

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

LAB CHRONICLE

OrderID:	P4959	OrderDate:	11/22/2024 10:42:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	CTO WE13
Contact:	Ernie Wu	Location:	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4959-01	RW5-SP100-2024112 1	Water			11/21/24			11/22/24
			SVOC-SIMGroup1	8270-Modified		11/22/24	11/26/24	
P4959-01DL	RW5-SP100-2024112 1DL	Water			11/21/24			11/22/24
			SVOC-SIMGroup1	8270-Modified		11/22/24	11/28/24	
P4959-02	RW5-SP201-2024112 1	Water			11/21/24			11/22/24
			SVOC-SIMGroup1	8270-Modified		11/22/24	11/26/24	
P4959-03	RW5-SP303-2024112 1	Water			11/21/24			11/22/24
			SVOC-SIMGroup1	8270-Modified		11/22/24	11/26/24	



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Fax : 908 789 8922

Hit Summary Sheet SW-846

SDG No.: P4959
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	RW5-SP100-20241121							
P4959-01	RW5-SP100-20241121	WATER	1,4-Dioxane	11.500	E	0.07	0.2	0.2 ug/L
			Total Svoc :	11.50				
			Total Concentration:	11.50				
Client ID :	RW5-SP100-20241121DL							
P4959-01DL	RW5-SP100-20241121DI	WATER	1,4-Dioxane	10.400	D	0.34	1	1 ug/L
			Total Svoc :	10.40				
			Total Concentration:	10.40				



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: P4959

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P4959-01	RW5-SP100-20241121	2-Methylnaphthalene-d10	0.4	0.48	119		30	150
		Fluoranthene-d10	0.4	0.50	125		30	150
		Nitrobenzene-d5	0.4	0.24	60		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
		Terphenyl-d14	0.4	0.73	182	*	58	132
P4959-01DL	RW5-SP100-20241121DL	2-Methylnaphthalene-d10	0.4	0.49	123		30	150
		Fluoranthene-d10	0.4	0.58	145		30	150
		Nitrobenzene-d5	0.4	0.43	106		55	111
		2-Fluorobiphenyl	0.4	0.44	110	*	53	106
		Terphenyl-d14	0.4	0.66	165	*	58	132
P4959-02	RW5-SP201-20241121	2-Methylnaphthalene-d10	0.4	0.55	136		30	150
		Fluoranthene-d10	0.4	0.53	132		30	150
		Nitrobenzene-d5	0.4	0.25	61		55	111
		2-Fluorobiphenyl	0.4	0.086	22	*	53	106
		Terphenyl-d14	0.4	0.92	229	*	58	132
P4959-03	RW5-SP303-20241121	2-Methylnaphthalene-d10	0.4	0.45	113		30	150
		Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.23	57		55	111
		2-Fluorobiphenyl	0.4	0.24	60		53	106
		Terphenyl-d14	0.4	0.73	182	*	58	132
PB165198BL	PB165198BL	2-Methylnaphthalene-d10	0.4	0.42	104		30	150
		Fluoranthene-d10	0.4	0.41	101		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
		2-Fluorobiphenyl	0.4	0.39	98		53	106
		Terphenyl-d14	0.4	0.49	122		58	132
PB165198BS	PB165198BS	2-Methylnaphthalene-d10	0.4	0.58	145		30	150
		Fluoranthene-d10	0.4	0.46	115		30	150
		Nitrobenzene-d5	0.4	0.47	117	*	55	111
		2-Fluorobiphenyl	0.4	0.48	119	*	53	106
		Terphenyl-d14	0.4	0.52	130		58	132
PB165198BSD	PB165198BSD	2-Methylnaphthalene-d10	0.4	0.51	127		30	150
		Fluoranthene-d10	0.4	0.40	99		30	150
		Nitrobenzene-d5	0.4	0.41	103		55	111
		2-Fluorobiphenyl	0.4	0.42	104		53	106
		Terphenyl-d14	0.4	0.45	113		58	132

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4959

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN035370.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB165198BS	1,4-Dioxane	0.4	0.41	ug/L	103				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4959

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN035371.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB165198BSD	1,4-Dioxane	0.4	0.35	ug/L	88	33	*		70	130	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165198BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: P4959

SAS No.: P4959 SDG NO.: P4959

Lab File ID: BN035369.D

Lab Sample ID: PB165198BL

Instrument ID: BNA_N

Date Extracted: 11/22/2024

Matrix: (soil/water) Water

Date Analyzed: 11/28/2024

Level: (low/med) LOW

Time Analyzed: 05:27

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165198BS	PB165198BS	BN035370.D	11/28/2024
PB165198BSD	PB165198BSD	BN035371.D	11/28/2024
RW5-SP100-20241121	P4959-01	BN035297.D	11/26/2024
RW5-SP201-20241121	P4959-02	BN035298.D	11/26/2024
RW5-SP303-20241121	P4959-03	BN035299.D	11/26/2024

COMMENTS: _____



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: TETR06Lab Code: CHEMSAS No.: P4959 SDG NO.: P4959Lab File ID: BN035276.DDFTPP Injection Date: 11/25/2024Instrument ID: BNA_NDFTPP Injection Time: 09:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.2
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	30.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	10.4
442	Greater than 50% of mass 198	65.2
443	15.0 - 24.0% of mass 442	12.3 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN035277.D	11/25/2024	10:16
SSTDICC0.2	SSTDICC0.2	BN035278.D	11/25/2024	10:52
SSTDICCC0.4	SSTDICCC0.4	BN035279.D	11/25/2024	11:28
SSTDICC0.8	SSTDICC0.8	BN035280.D	11/25/2024	12:04
SSTDICC1.6	SSTDICC1.6	BN035281.D	11/25/2024	12:40
SSTDICC3.2	SSTDICC3.2	BN035282.D	11/25/2024	13:16
SSTDICC5.0	SSTDICC5.0	BN035283.D	11/25/2024	13:52
SSTDCCC0.4EC	SSTDCCC0.4	BN035291.D	11/25/2024	19:20



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: TETR06Lab Code: CHEMSAS No.: P4959SDG NO.: P4959Lab File ID: BN035292.DDFTPP Injection Date: 11/25/2024Instrument ID: BNA_NDFTPP Injection Time: 20:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.5
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	28.6
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	40.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	29
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	11.9
442	Greater than 50% of mass 198	71
443	15.0 - 24.0% of mass 442	13.4 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN035293.D	11/25/2024	23:02
RW5-SP100-20241121	P4959-01	BN035297.D	11/26/2024	01:26
RW5-SP201-20241121	P4959-02	BN035298.D	11/26/2024	02:02
RW5-SP303-20241121	P4959-03	BN035299.D	11/26/2024	02:38
SSTDCCC0.4EC	SSTDCCC0.4	BN035300.D	11/26/2024	03:14



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: TETR06Lab Code: CHEMSAS No.: P4959 SDG NO.: P4959Lab File ID: BN035349.DDFTPP Injection Date: 11/27/2024Instrument ID: BNA_NDFTPP Injection Time: 14:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.6
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	28.9
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	39.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	70.8
443	15.0 - 24.0% of mass 442	14 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN035350.D	11/27/2024	15:34
SSTDICC0.2	SSTDICC0.2	BN035351.D	11/27/2024	16:10
SSTDICCC0.4	SSTDICCC0.4	BN035352.D	11/27/2024	16:46
SSTDICC0.8	SSTDICC0.8	BN035353.D	11/27/2024	17:21
SSTDICC1.6	SSTDICC1.6	BN035354.D	11/27/2024	17:57
SSTDICC3.2	SSTDICC3.2	BN035355.D	11/27/2024	18:33
SSTDICC5.0	SSTDICC5.0	BN035356.D	11/27/2024	19:09
SSTDCCC0.4EC	SSTDCCC0.4	BN035366.D	11/28/2024	02:20



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: TETR06Lab Code: CHEMSAS No.: P4959SDG NO.: P4959Lab File ID: BN035367.DDFTPP Injection Date: 11/28/2024Instrument ID: BNA_NDFTPP Injection Time: 03:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.7
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	29.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	40.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	29.7
365	Greater than 1% of mass 198	4.8
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	76.8
443	15.0 - 24.0% of mass 442	15 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN035368.D	11/28/2024	04:51
PB165198BL	PB165198BL	BN035369.D	11/28/2024	05:27
PB165198BS	PB165198BS	BN035370.D	11/28/2024	06:03
PB165198BSD	PB165198BSD	BN035371.D	11/28/2024	06:39
RW5-SP100-20241121DL	P4959-01DL	BN035374.D	11/28/2024	08:26
SSTDCCC0.4EC	SSTDCCC0.4	BN035375.D	11/28/2024	09:02

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG NO.: P4959

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 11/25/2024

Lab File ID: BN035293.D Time Analyzed: 23:02

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	3724	7.315	9273	10.06	5865	13.97
UPPER LIMIT	7448	7.815	18546	10.563	11730	14.473
LOWER LIMIT	1862	6.815	4636.5	9.563	2932.5	13.473
EPA SAMPLE NO.						
01 RW5-SP100-20241121	3474	7.32	8594	10.06	5314	13.97
02 RW5-SP201-20241121	3353	7.32	8974	10.06	7827	13.97
03 RW5-SP303-20241121	4025	7.32	10571	10.06	6682	13.97

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG NO.: P4959

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 11/25/2024

Lab File ID: BN035293.D Time Analyzed: 23:02

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	12563	16.741	932	21.00€	7119	23.078
UPPER LIMIT	25126	17.241	1864	21.50€	14238	23.578
LOWER LIMIT	6281.5	16.241	466	20.50€	3559.5	22.578
EPA SAMPLE NO.						
01 RW5-SP100-20241121	12516	16.74	912	21.01	6981	23.08
02 RW5-SP201-20241121	12956	16.73	823	21.01	7685	23.08
03 RW5-SP303-20241121	14026	16.73	880	21.01	7740	23.08

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG NO.: P4959

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 11/28/2024

Lab File ID: BN035368.D Time Analyzed: 04:51

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	2051	7.308	5360	10.05	3908	13.97
UPPER LIMIT	4102	7.808	10720	10.552	7816	14.467
LOWER LIMIT	1025.5	6.808	2680	9.552	1954	13.467
EPA SAMPLE NO.						
01 RW5-SP100-20241121DL	1752	7.31	4244	10.05	3218	13.97
02 PB165198BL	2540	7.31	6378	10.06	4630	13.97
03 PB165198BS	2262	7.31	5496	10.05	3686	13.97
04 PB165198BSD	2376	7.31	5724	10.05	3806	13.97

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG NO.: P4959

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 11/28/2024

Lab File ID: BN035368.D Time Analyzed: 04:51

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	9758	16.723	9496	20.974	10416	23.067
UPPER LIMIT	19516	17.223	18992	21.474	20832	23.567
LOWER LIMIT	4879	16.223	4748	20.474	5208	22.567
EPA SAMPLE NO.						
01 RW5-SP100-20241121DL	8380	16.74	7890	20.97	7953	23.07
02 PB165198BL	11721	16.74	10667	20.97	11480	23.07
03 PB165198BS	9203	16.72	8666	20.97	8924	23.07
04 PB165198BSD	9566	16.74	8948	20.97	9280	23.07

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/21/24
Project:	CTO WE13	Date Received:	11/22/24
Client Sample ID:	RW5-SP100-20241121	SDG No.:	P4959
Lab Sample ID:	P4959-01	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035297.D	1	11/22/24 12:25	11/26/24 01:26	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	11.5	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.48		30 - 150		119%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.50		30 - 150		125%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.24		55 - 111		60%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		87%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.73	*	58 - 132		182%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3470	7.315				
1146-65-2	Naphthalene-d8	8590	10.063				
15067-26-2	Acenaphthene-d10	5310	13.973				
1517-22-2	Phenanthrene-d10	12500	16.741				
1719-03-5	Chrysene-d12	912	21.006				
1520-96-3	Perylene-d12	6980	23.078				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035297.D
 Acq On : 26 Nov 2024 01:26
 Operator : RC/JU
 Sample : P4959-01
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20241121

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 26 02:54:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 02:36:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3474	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	8594	0.400	ng	# 0.00
13) Acenaphthene-d10	13.973	164	5314	0.400	ng	# 0.00
19) Phenanthrene-d10	16.741	188	12516	0.400	ng	# 0.00
29) Chrysene-d12	21.006	240	912	0.400	ng	# 0.00
35) Perylene-d12	23.078	264	6981	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1086	0.165	ng	0.00
5) Phenol-d6	6.521	99	751	0.082	ng	0.00
8) Nitrobenzene-d5	8.451	82	1671m	0.240	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	5726	0.476	ng	0.00
14) 2,4,6-Tribromophenol	15.480	330	885	0.326	ng	0.00
15) 2-Fluorobiphenyl	12.604	172	1025	0.349	ng	0.00
27) Fluoranthene-d10	18.790	212	16757	0.500	ng	0.00
31) Terphenyl-d14	19.417	244	12231	0.726	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.003	88	28516	11.419	ng	# 70
6) bis(2-Chloroethyl)ether	6.766	93	518	0.067	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

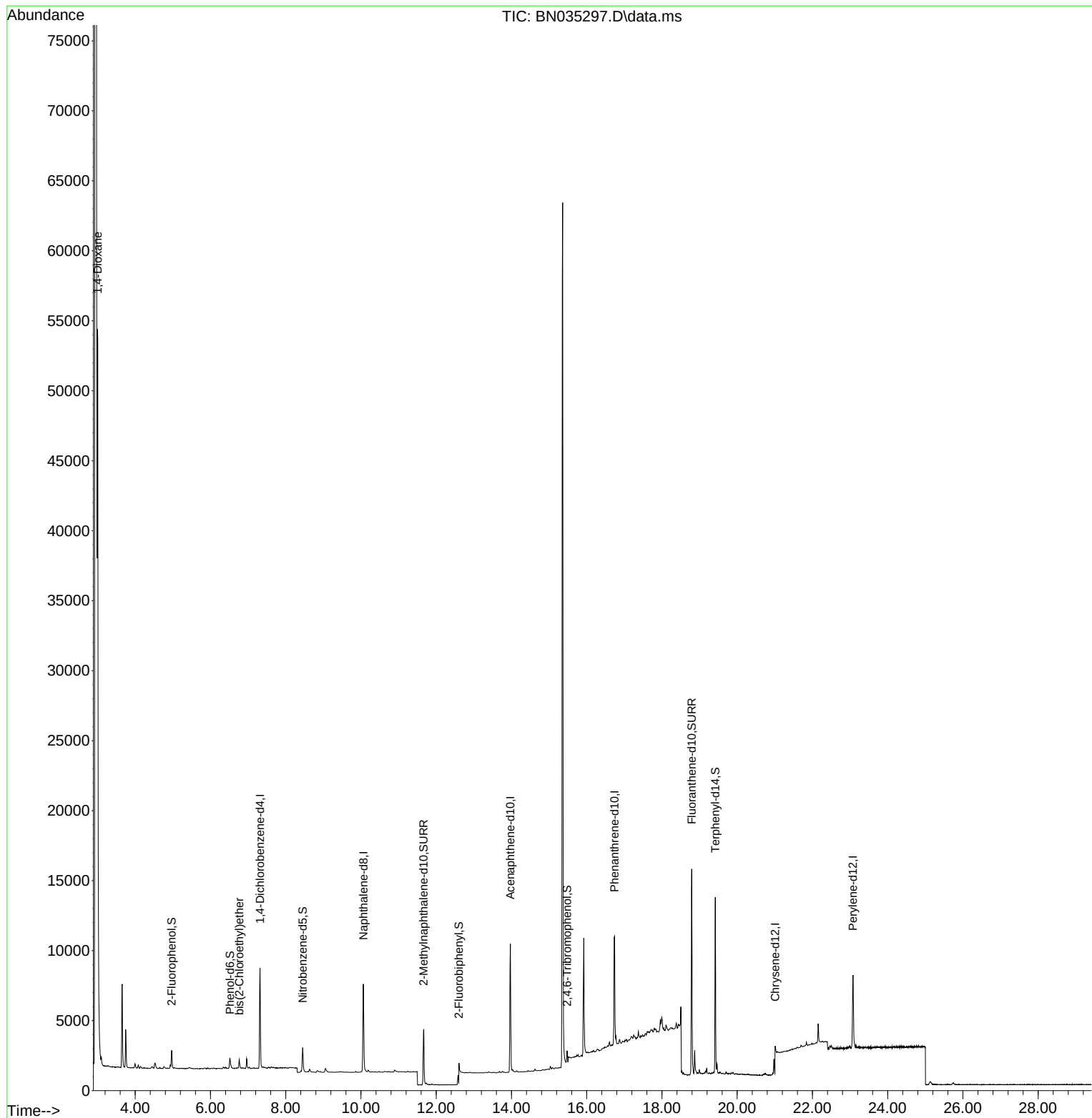
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Data File : BN035297.D
Acq On : 26 Nov 2024 01:26
Operator : RC/JU
Sample : P4959-01
Misc :
ALS Vial : 73 Sample Multiplier: 1

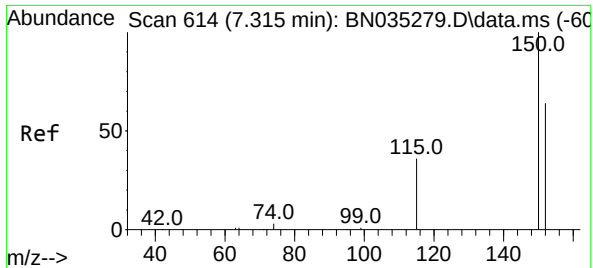
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

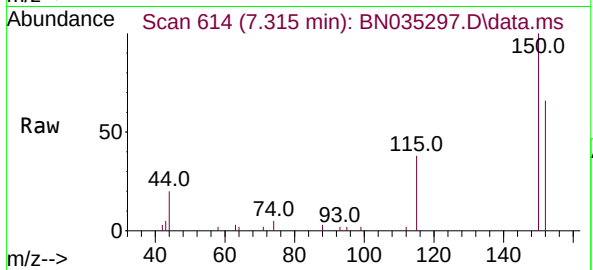
Quant Time: Nov 26 02:54:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 614
Delta R.T. 0.000 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

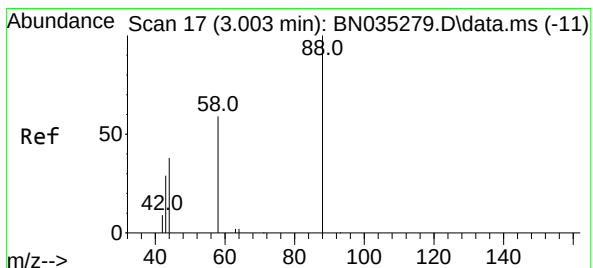
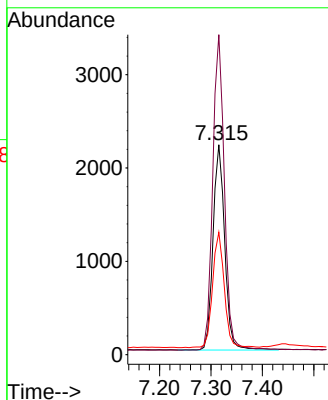
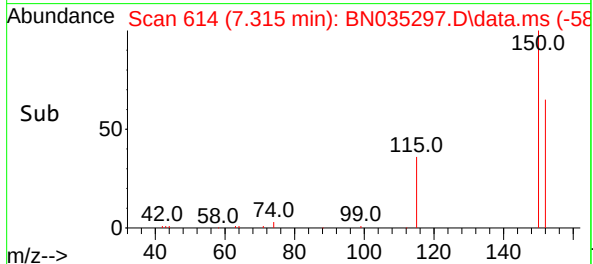
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121



Tgt Ion: 152 Resp: 3474
Ion Ratio Lower Upper
152 100
150 152.5 124.5 186.7
115 58.3 47.8 71.8

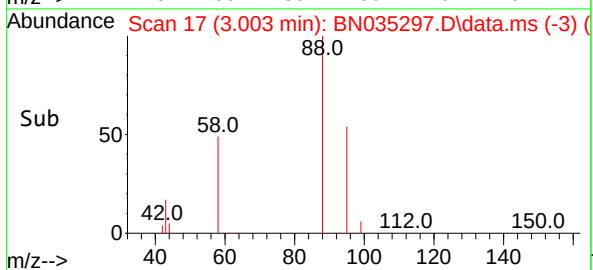
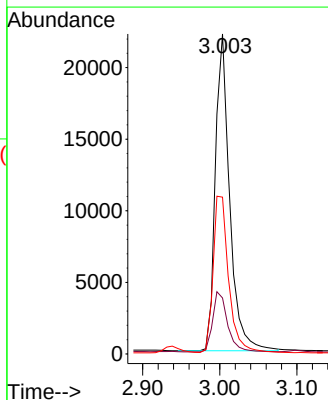
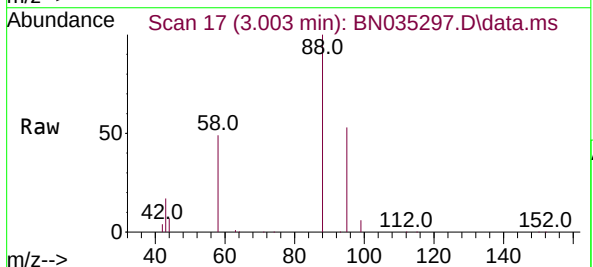
Manual Integrations
APPROVED

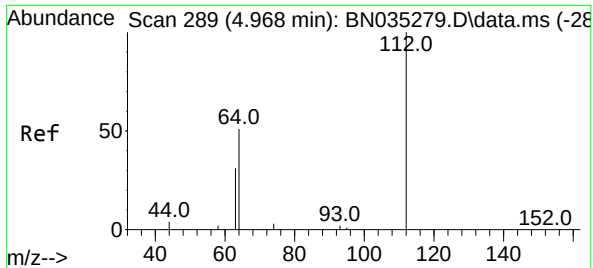
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#2
1,4-Dioxane
Concen: 11.419 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Tgt Ion: 88 Resp: 28516
Ion Ratio Lower Upper
88 100
43 19.7 48.1 72.1#
58 53.5 46.9 70.3





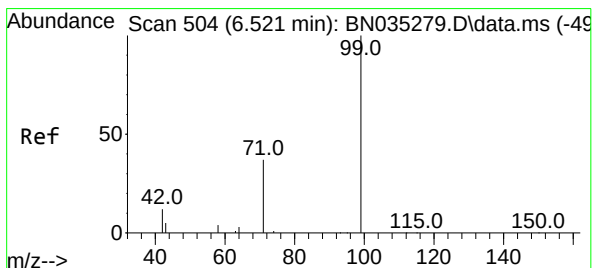
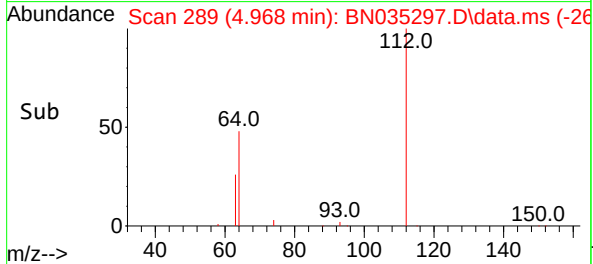
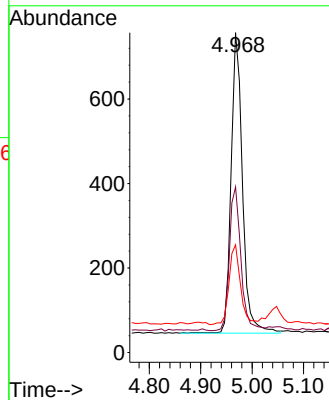
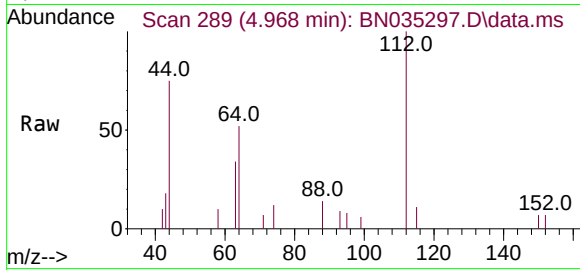
#4
2-Fluorophenol
Concen: 0.165 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121

Tgt Ion: 112 Resp: 108
Ion Ratio Lower Upper
112 100
64 48.4 40.4 60.6
63 27.0 23.8 35.8

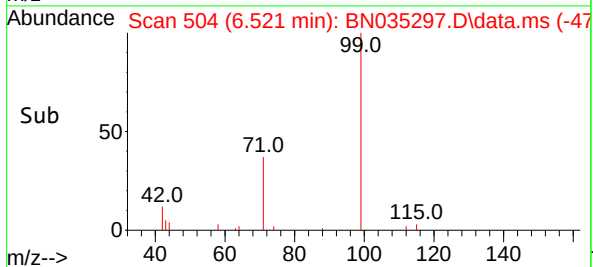
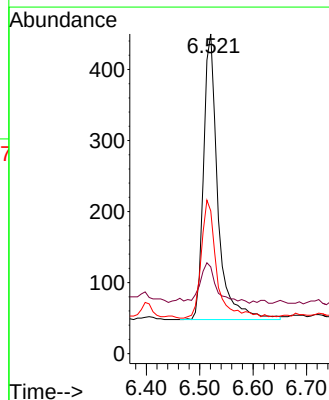
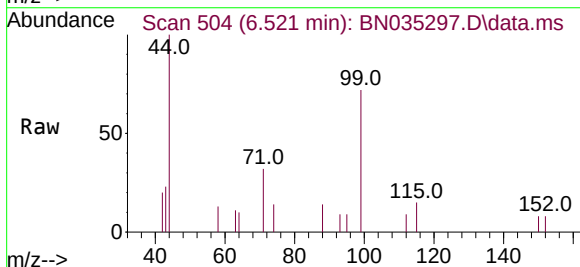
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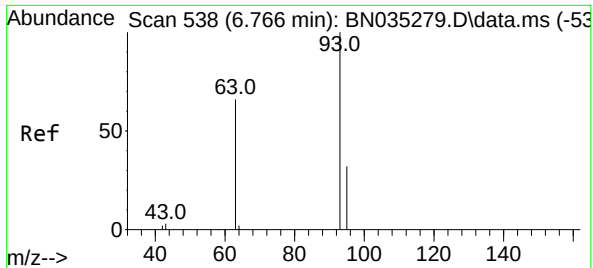
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#5
Phenol-d6
Concen: 0.082 ng
RT: 6.521 min Scan# 504
Delta R.T. 0.000 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Tgt Ion: 99 Resp: 751
Ion Ratio Lower Upper
99 100
42 16.2 12.8 19.2
71 45.0 31.4 47.2





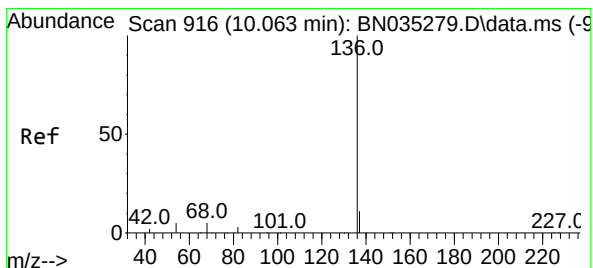
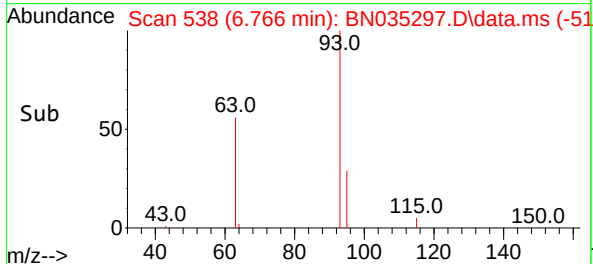
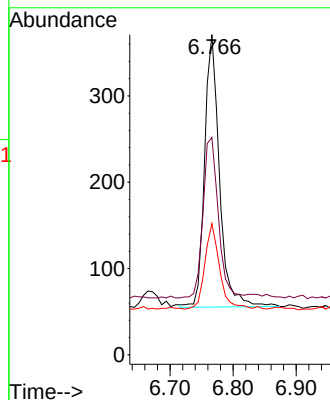
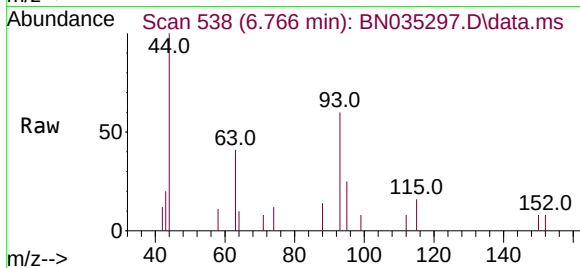
#6
bis(2-Chloroethyl)ether
Concen: 0.067 ng
RT: 6.766 min Scan# 538
Delta R.T. 0.000 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121

Tgt Ion: 93 Resp: 518
Ion Ratio Lower Upper
93 100
63 60.4 52.3 78.5
95 31.5 25.5 38.3

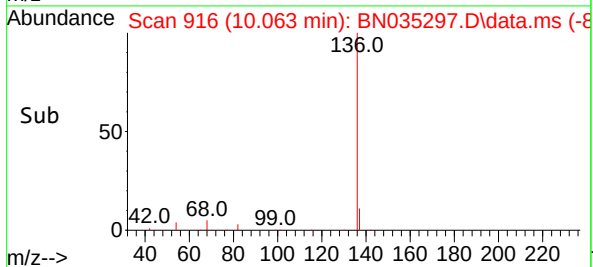
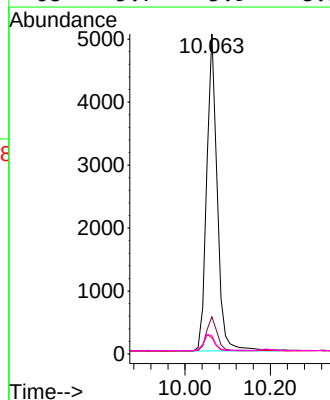
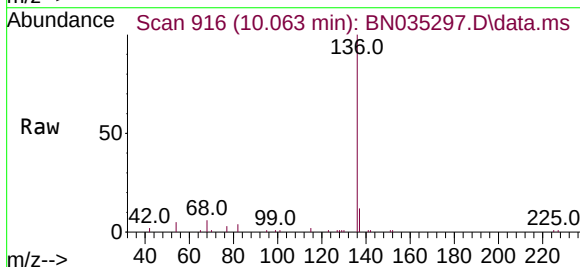
Manual Integrations
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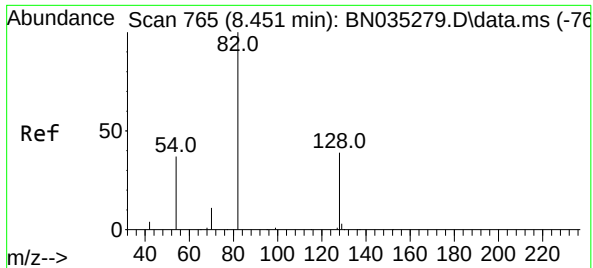
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. 0.000 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Tgt Ion:136 Resp: 8594
Ion Ratio Lower Upper
136 100
137 11.6 9.7 14.5
54 5.1 5.3 7.9#
68 5.7 5.9 8.9#





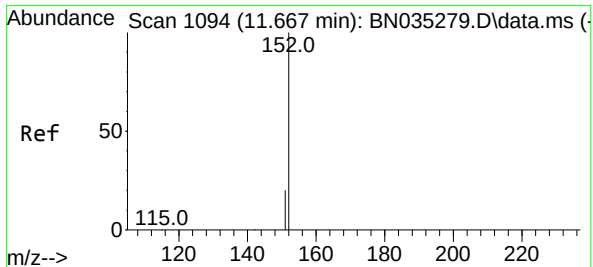
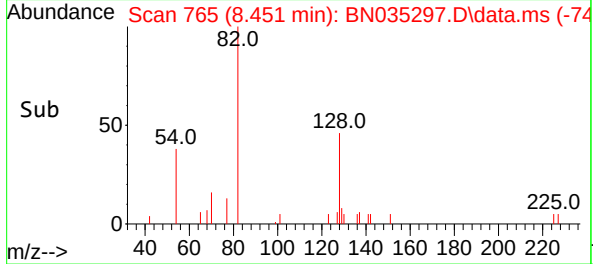
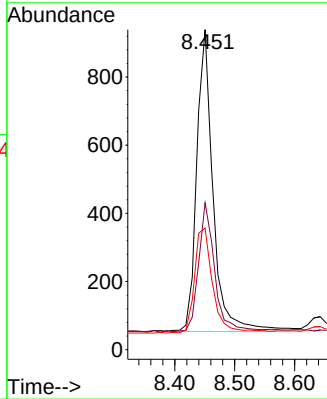
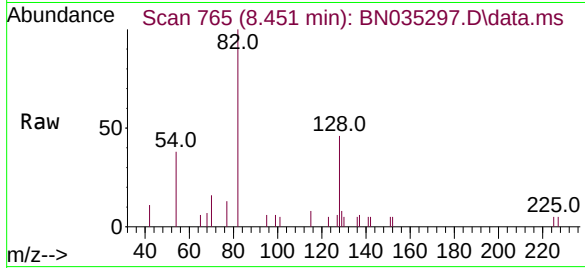
#8
Nitrobenzene-d5
Concen: 0.240 ng m
RT: 8.451 min Scan# 765
Delta R.T. 0.000 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121

Tgt Ion: 82 Resp: 167
Ion Ratio Lower Upper
82 100
128 45.9 33.0 49.4
54 38.0 33.3 49.9

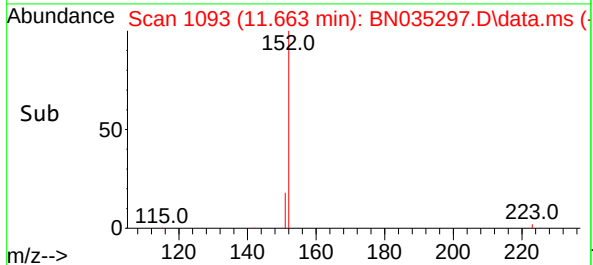
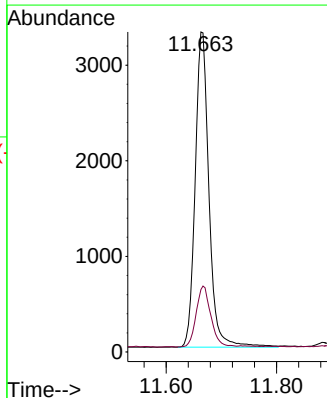
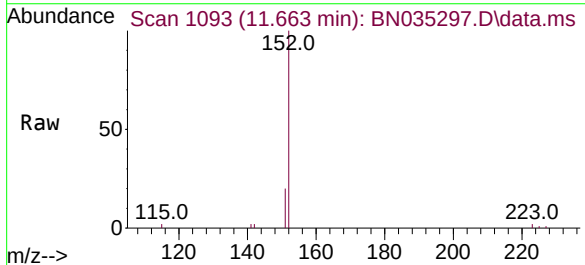
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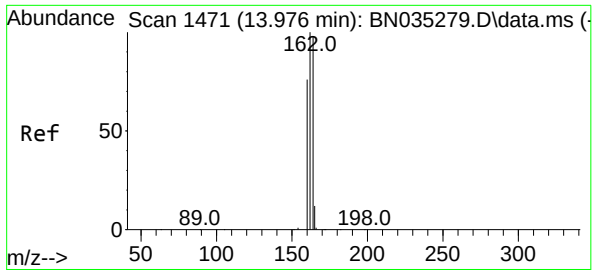
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#11
2-Methylnaphthalene-d10
Concen: 0.476 ng
RT: 11.663 min Scan# 1093
Delta R.T. -0.004 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

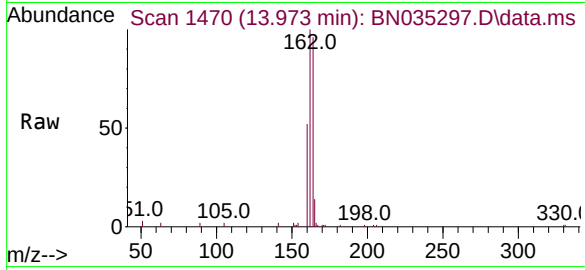
Tgt Ion:152 Resp: 5726
Ion Ratio Lower Upper
152 100
151 20.5 17.2 25.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.973 min Scan# 1470
Delta R.T. -0.004 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

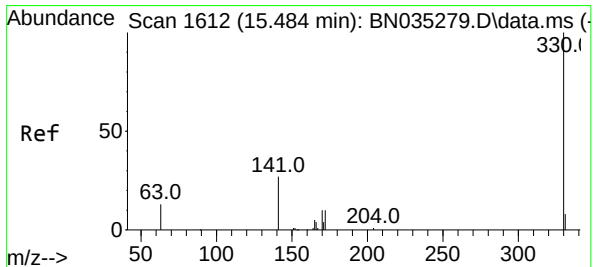
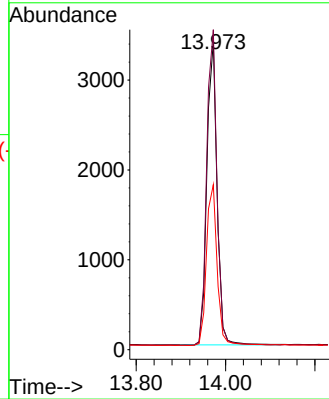
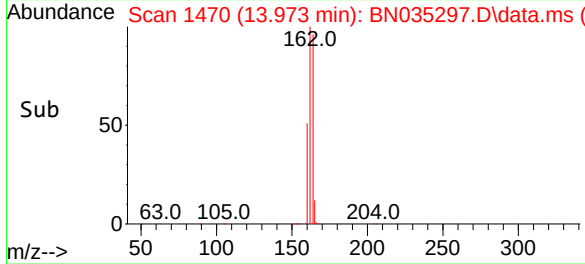
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121



Tgt Ion:164 Resp: 5314
Ion Ratio Lower Upper
164 100
162 103.9 82.0 123.0
160 53.6 63.0 94.4

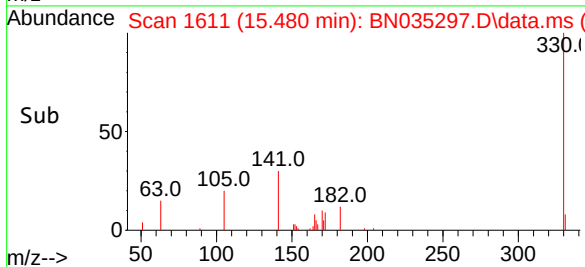
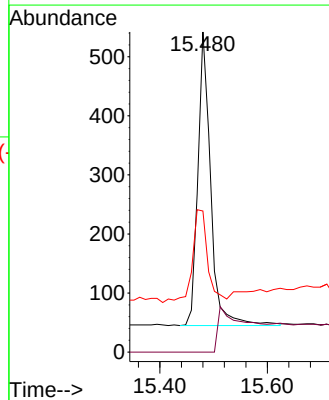
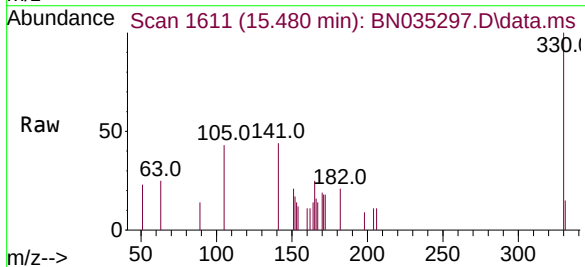
Manual Integrations
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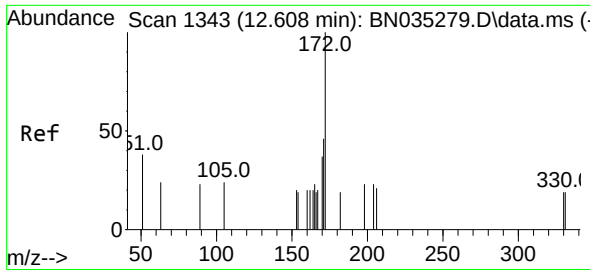
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#14
2,4,6-Tribromophenol
Concen: 0.326 ng
RT: 15.480 min Scan# 1611
Delta R.T. -0.004 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

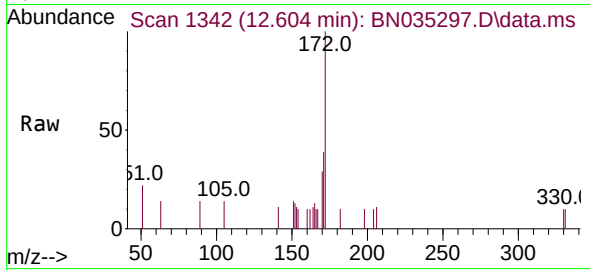
Tgt Ion:330 Resp: 885
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 35.4 32.4 48.6





#15
2-Fluorobiphenyl
Concen: 0.349 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

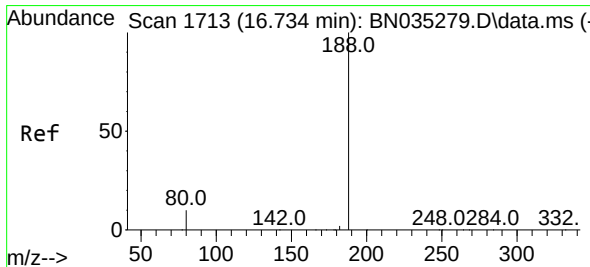
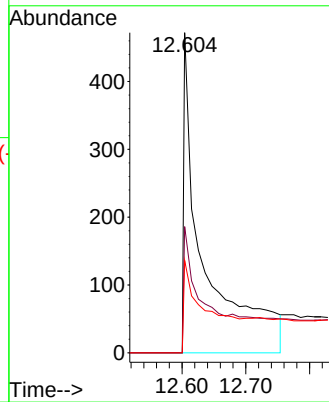
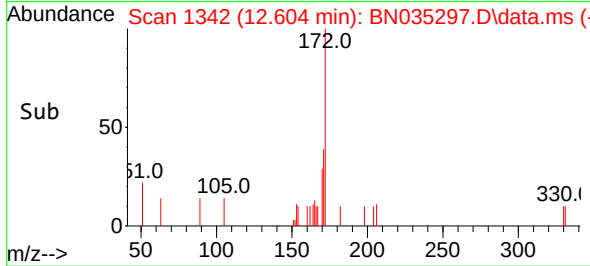
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121



Tgt Ion:172 Resp: 102
Ion Ratio Lower Upper
172 100
171 39.4 36.6 55.0
170 28.8 29.7 44.5

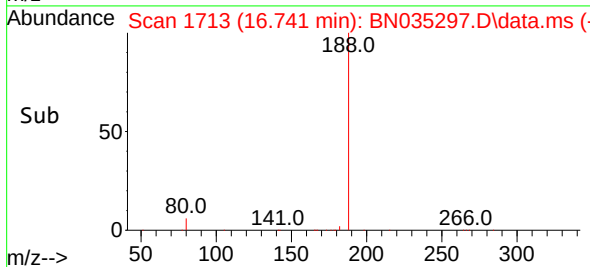
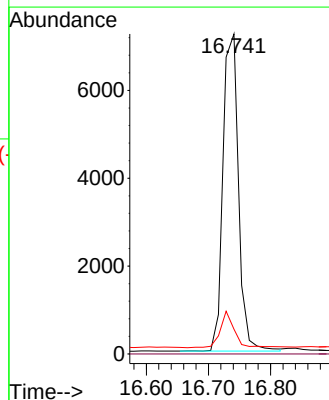
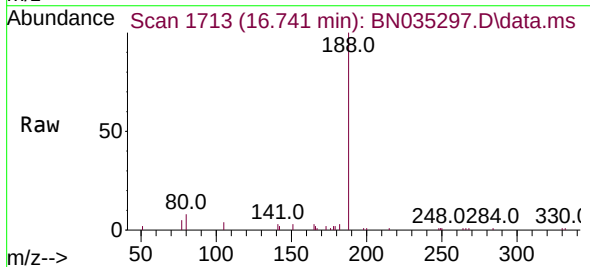
Manual Integrations
APPROVED

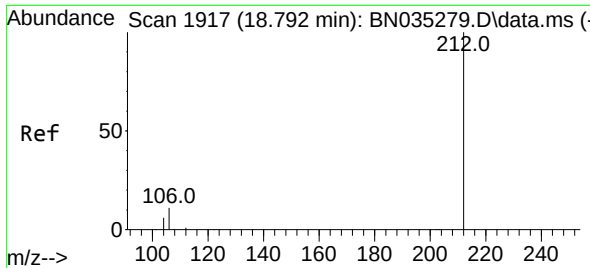
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.741 min Scan# 1713
Delta R.T. 0.007 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Tgt Ion:188 Resp: 12516
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.8 8.9 13.3





#27

Fluoranthene-d10

Concen: 0.500 ng

RT: 18.790 min Scan# 1915

Delta R.T. -0.002 min

Lab File: BN035297.D

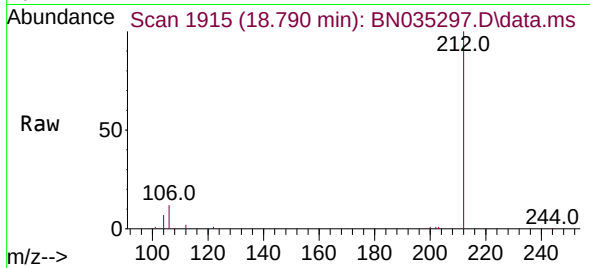
Acq: 26 Nov 2024 01:26

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20241121



Tgt Ion:212 Resp: 1675

Ion Ratio Lower Upper

212 100

106 11.8 9.8 14.8

104 6.4 5.6 8.4

Manual Integrations

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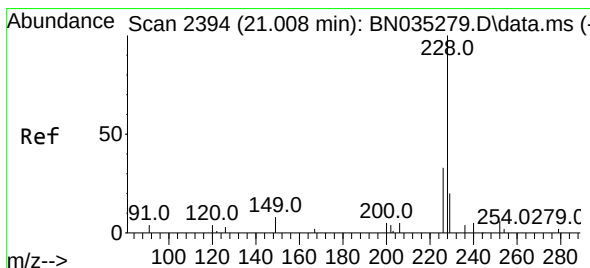
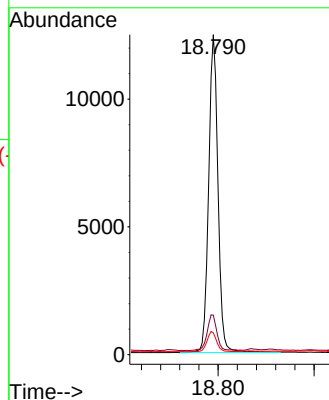
Reviewed By :Yogesh

Patel

11/27/2024

Supervised By :mohammad
ahmed

11/27/2024



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.006 min Scan# 2392

Delta R.T. -0.002 min

Lab File: BN035297.D

Acq: 26 Nov 2024 01:26

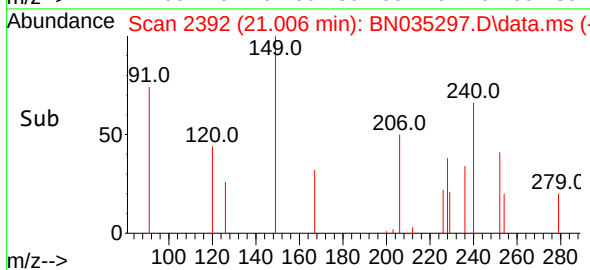
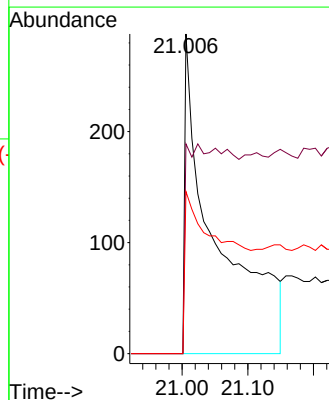
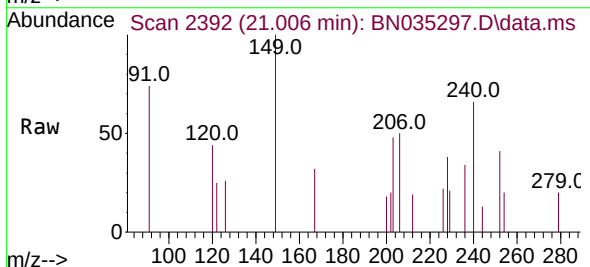
Tgt Ion:240 Resp: 912

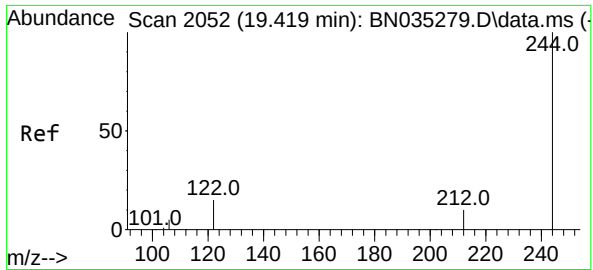
Ion Ratio Lower Upper

240 100

120 65.6 54.9 82.3

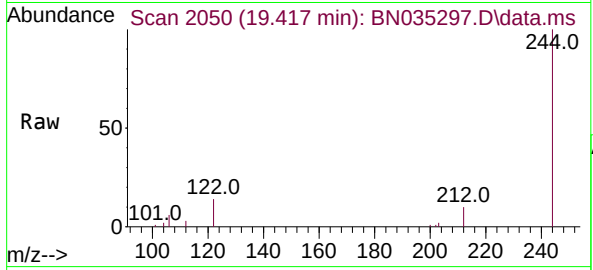
236 50.7 54.0 81.0#





#31
Terphenyl-d14
Concen: 0.726 ng
RT: 19.417 min Scan# 2050
Delta R.T. -0.002 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121



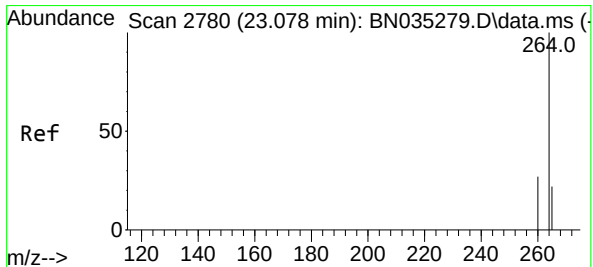
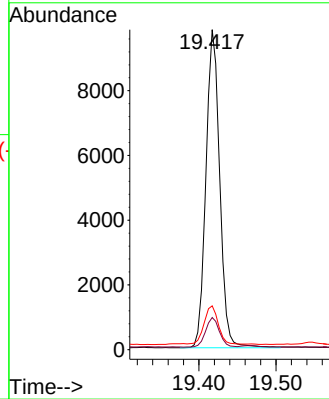
Tgt Ion:244 Resp: 1223
Ion Ratio Lower Upper
244 100
212 10.0 9.4 14.0
122 13.7 13.0 19.4

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

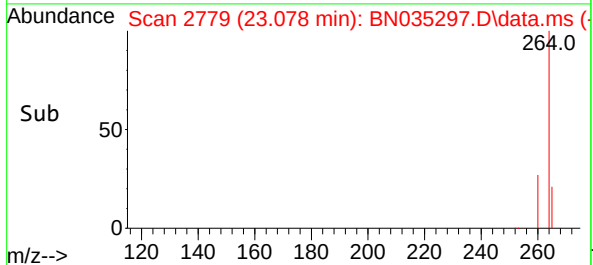
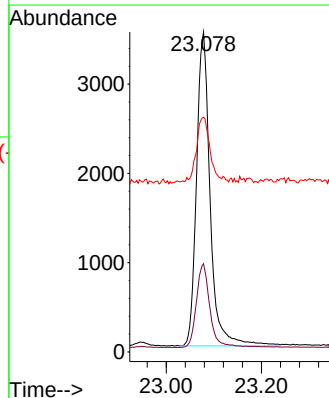
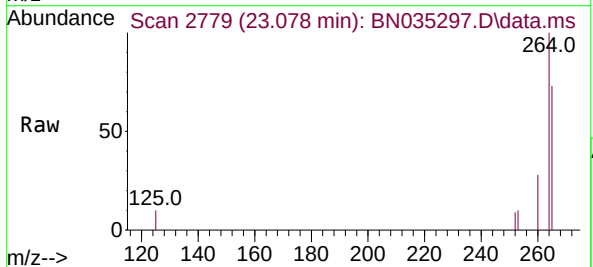
11/27/2024
Supervised By :mohammad
ahmed

11/27/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.078 min Scan# 2779
Delta R.T. 0.001 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Tgt Ion:264 Resp: 6981
Ion Ratio Lower Upper
264 100
260 27.5 22.3 33.5
265 73.4 68.6 103.0



Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/21/24
Project:	CTO WE13	Date Received:	11/22/24
Client Sample ID:	RW5-SP100-20241121DL	SDG No.:	P4959
Lab Sample ID:	P4959-01DL	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035374.D	5	11/22/24 12:25	11/28/24 08:26	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	10.4	D	0.34	1.00	1.00	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.49		30 - 150		123%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.58		30 - 150		145%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.43		55 - 111		106%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.44	*	53 - 106		110%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.66	*	58 - 132		165%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1750		7.308			
1146-65-2	Naphthalene-d8	4240		10.052			
15067-26-2	Acenaphthene-d10	3220		13.967			
1517-22-2	Phenanthrene-d10	8380		16.736			
1719-03-5	Chrysene-d12	7890		20.974			
1520-96-3	Perylene-d12	7950		23.067			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035374.D
 Acq On : 28 Nov 2024 08:26
 Operator : RC/JU
 Sample : P4959-01DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20241121DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/29/2024
 Supervised By :mohammad ahmed 11/29/2024

Quant Time: Nov 29 00:19:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	1752	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	4244	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	3218	0.400	ng	0.00
19) Phenanthrene-d10	16.736	188	8380	0.400	ng	# 0.00
29) Chrysene-d12	20.974	240	7890	0.400	ng	0.00
35) Perylene-d12	23.067	264	7953	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	133	0.030	ng	0.00
5) Phenol-d6	6.513	99	78	0.015	ng	0.00
8) Nitrobenzene-d5	8.450	82	220m	0.085	ng	0.01
11) 2-Methylnaphthalene-d10	11.666	152	652	0.098	ng	0.01
14) 2,4,6-Tribromophenol	15.485	330	129	0.056	ng	0.01
15) 2-Fluorobiphenyl	12.579	172	1075	0.088	ng	0.00
27) Fluoranthene-d10	18.785	212	2744	0.116	ng	0.00
31) Terphenyl-d14	19.412	244	2060	0.132	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.996	88	3433	2.050	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

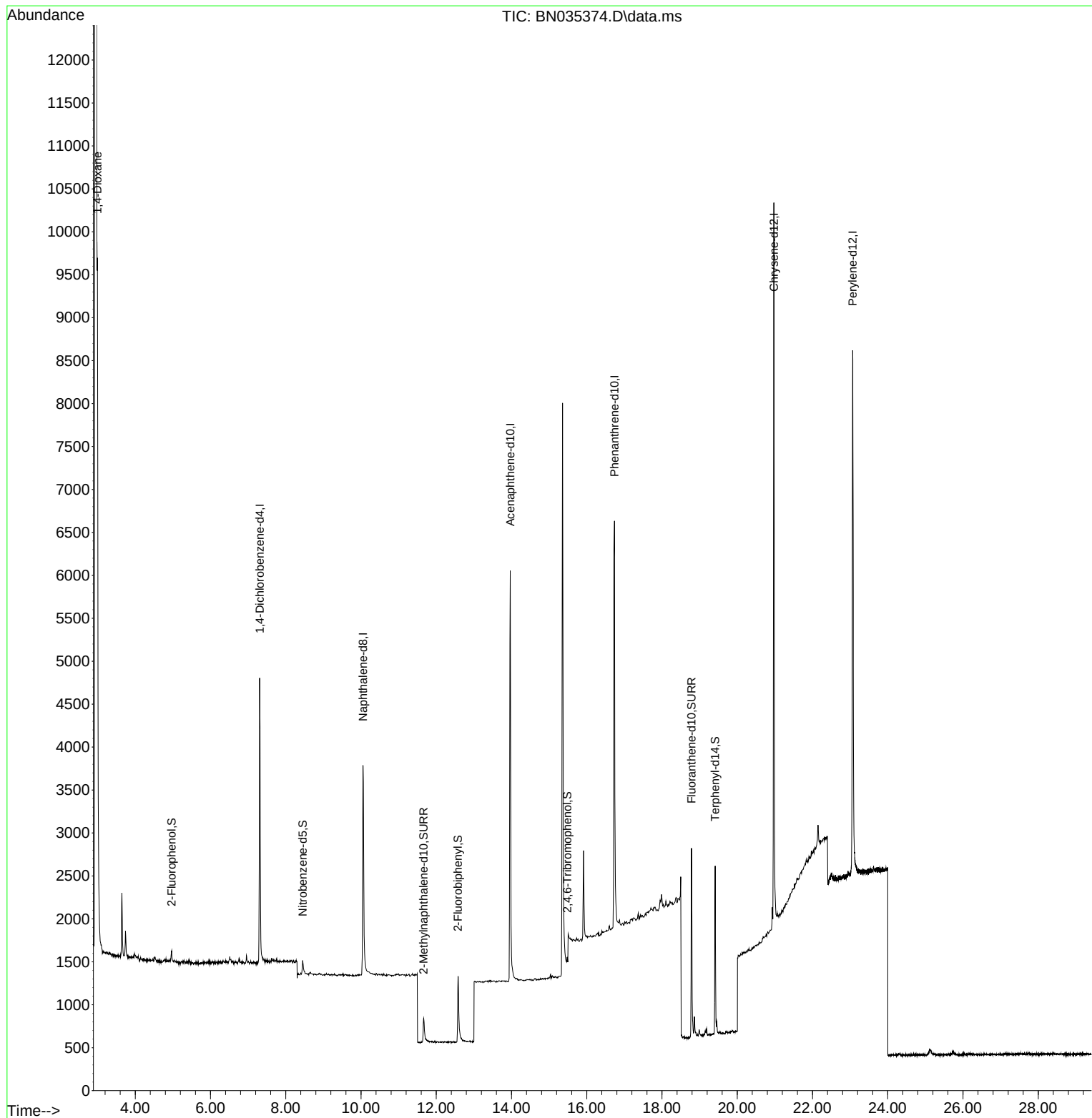
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035374.D
Acq On : 28 Nov 2024 08:26
Operator : RC/JU
Sample : P4959-01DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

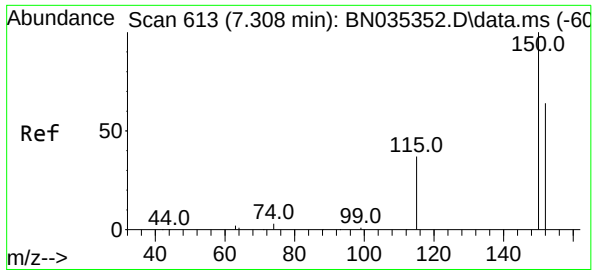
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024

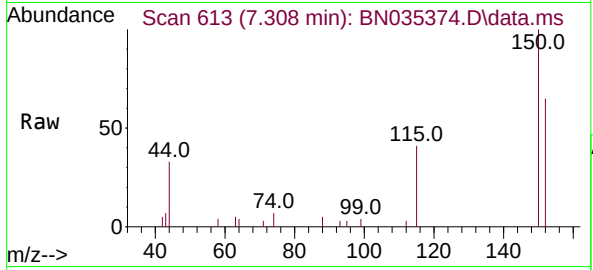
Quant Time: Nov 29 00:19:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

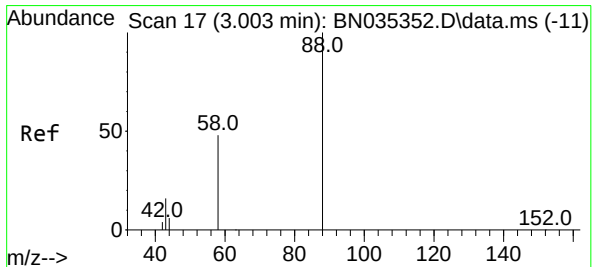
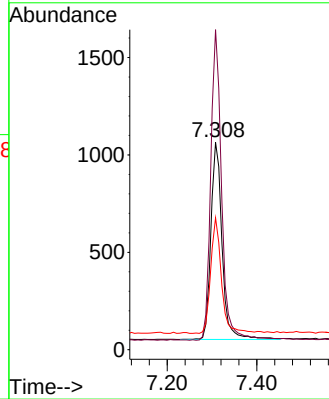
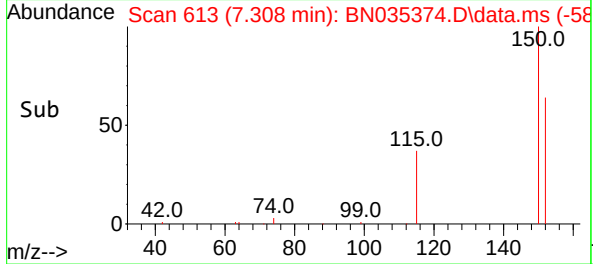
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121DL



Tgt Ion: 152 Resp: 1752
Ion Ratio Lower Upper
152 100
150 154.3 124.0 186.0
115 63.6 49.6 74.4

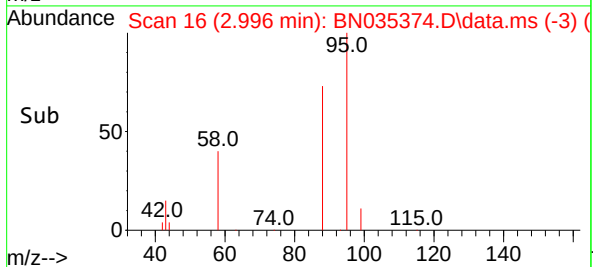
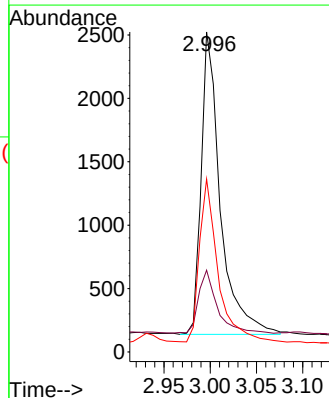
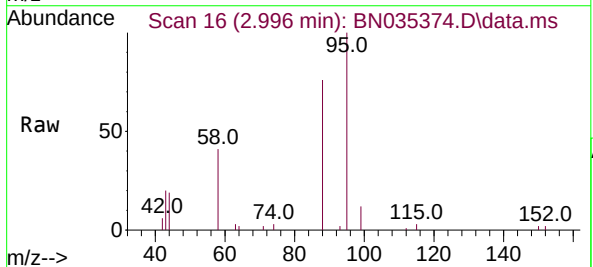
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024

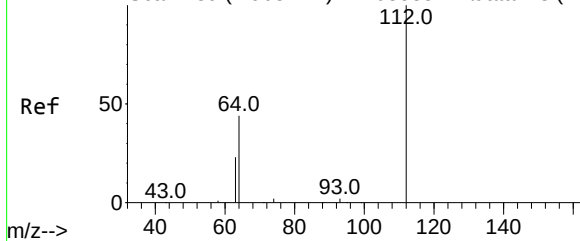


#2
1,4-Dioxane
Concen: 2.050 ng
RT: 2.996 min Scan# 16
Delta R.T. -0.007 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

Tgt Ion: 88 Resp: 3433
Ion Ratio Lower Upper
88 100
43 20.4 17.2 25.8
58 52.1 44.5 66.7



Abundance Scan 289 (4.968 min): BN035352.D\data.ms (-28



#4

2-Fluorophenol

Concen: 0.030 ng

RT: 4.968 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035374.D

Acq: 28 Nov 2024 08:26

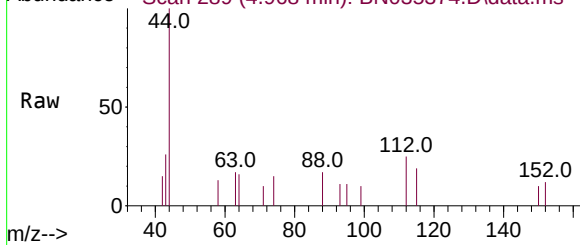
Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20241121DL

Abundance Scan 289 (4.968 min): BN035374.D\data.ms



Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	39.8	59.8
63	27.8	21.0	31.6

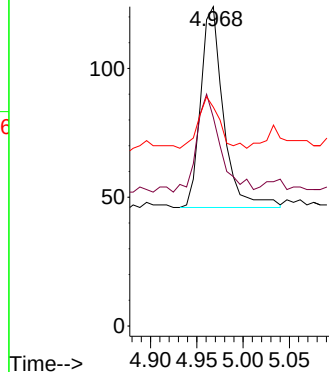
Manual Integrations

APPROVED

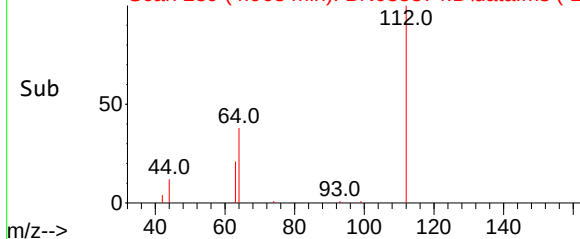
Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024

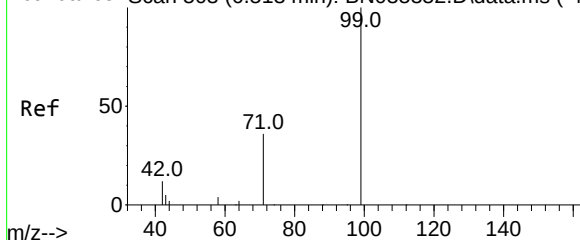
Abundance



Abundance Scan 289 (4.968 min): BN035374.D\data.ms (-26



Abundance Scan 503 (6.513 min): BN035352.D\data.ms (-49



#5

Phenol-d6

Concen: 0.015 ng

RT: 6.513 min Scan# 503

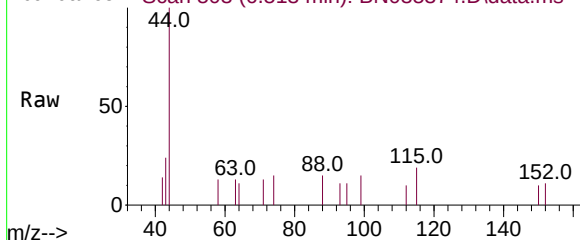
Delta R.T. 0.000 min

Lab File: BN035374.D

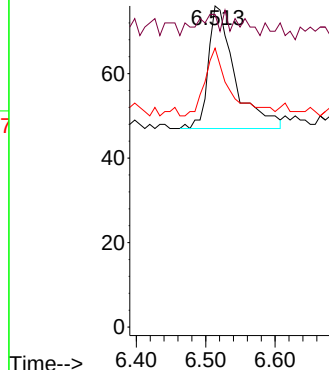
Acq: 28 Nov 2024 08:26

Tgt Ion	Ratio	Lower	Upper
99	100		
42	14.1	11.4	17.2
71	56.4	29.3	43.9

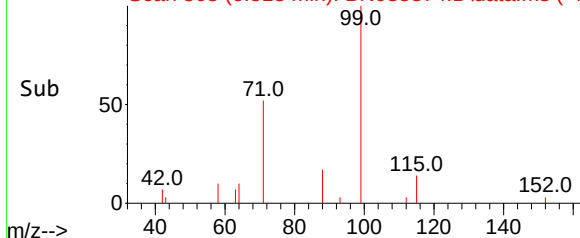
Abundance Scan 503 (6.513 min): BN035374.D\data.ms

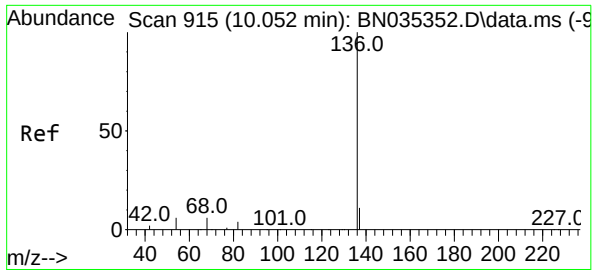


Abundance



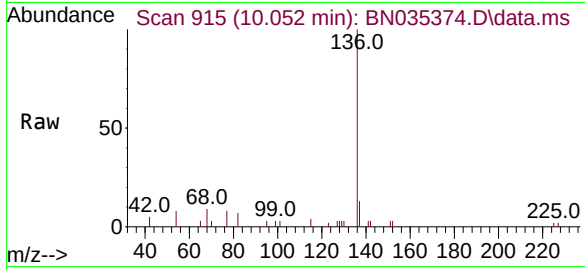
Abundance Scan 503 (6.513 min): BN035374.D\data.ms (-47





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. 0.000 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

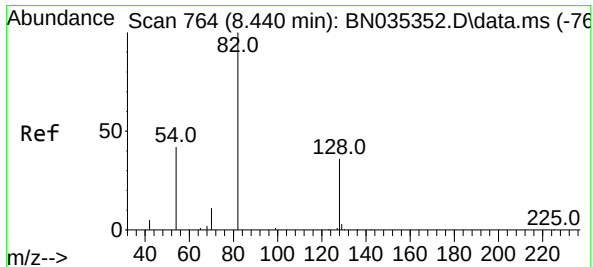
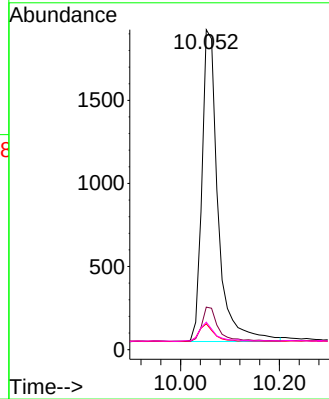
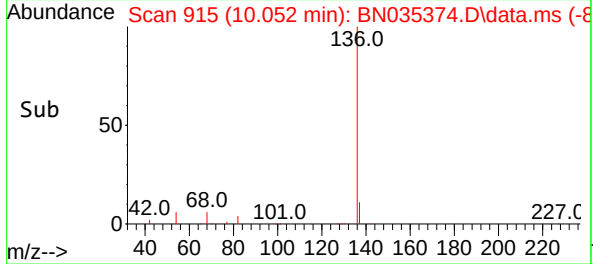
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121DL



Tgt Ion: 136 Resp: 4244
Ion Ratio Lower Upper
136 100
137 13.3 10.2 15.2
54 8.1 6.1 9.1
68 8.6 6.4 9.6

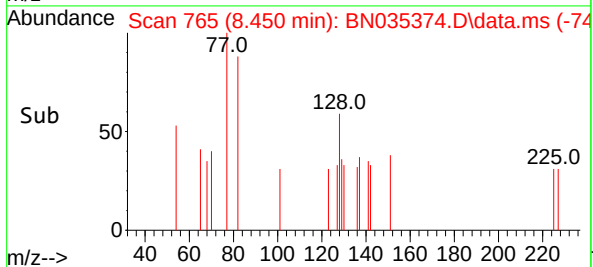
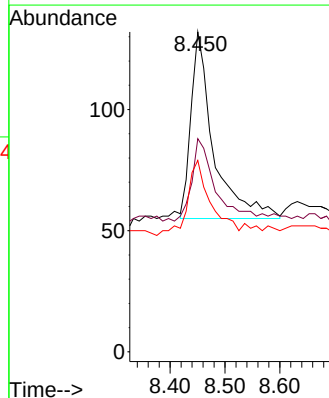
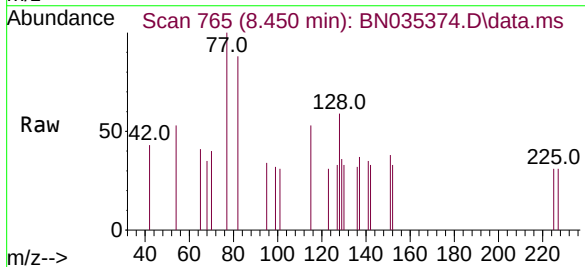
Manual Integrations
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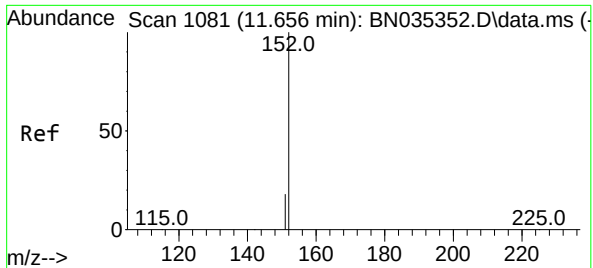
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#8
Nitrobenzene-d5
Concen: 0.085 ng m
RT: 8.450 min Scan# 765
Delta R.T. 0.011 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

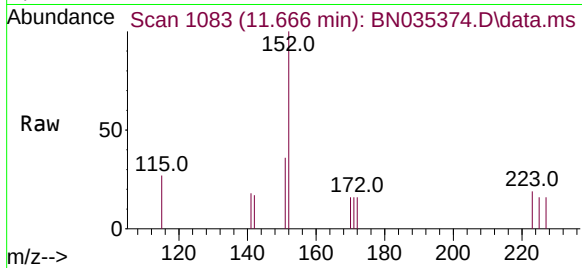
Tgt Ion: 82 Resp: 220
Ion Ratio Lower Upper
82 100
128 66.7 33.4 50.0#
54 59.8 36.7 55.1#





#11
2-Methylnaphthalene-d10
Concen: 0.098 ng
RT: 11.666 min Scan# 1083
Delta R.T. 0.010 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

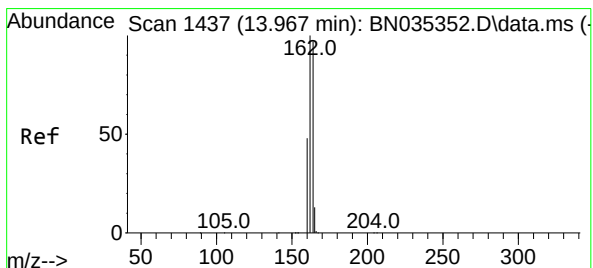
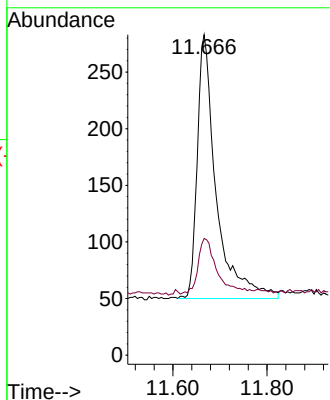
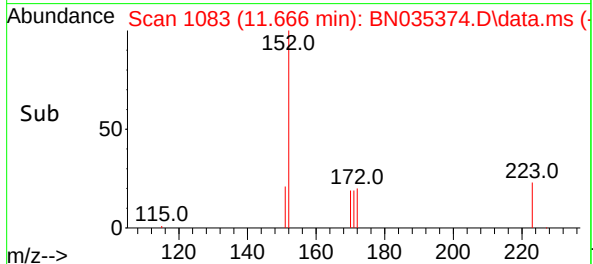
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121DL



Tgt Ion:152 Resp: 652
Ion Ratio Lower Upper
152 100
151 21.3 16.6 25.0

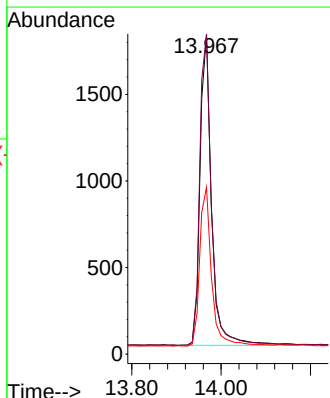
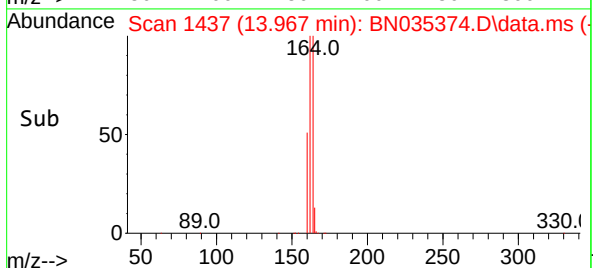
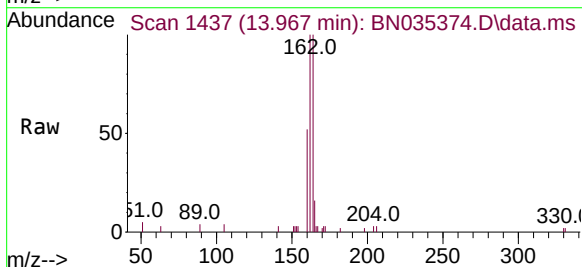
Manual Integrations
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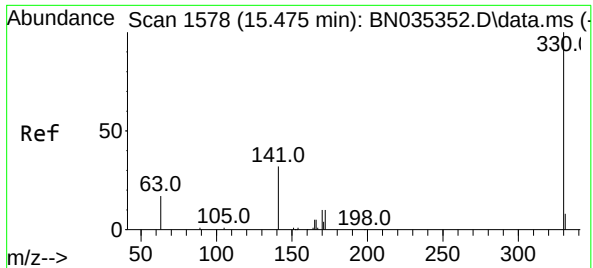
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

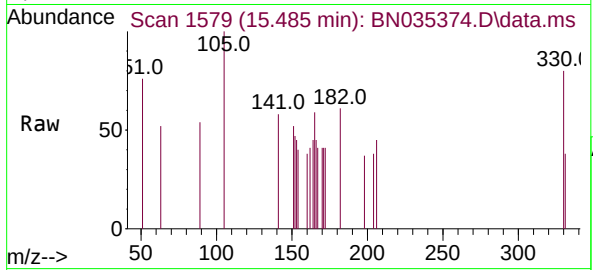
Tgt Ion:164 Resp: 3218
Ion Ratio Lower Upper
164 100
162 100.1 82.2 123.2
160 52.2 40.1 60.1





#14
2,4,6-Tribromophenol
Concen: 0.056 ng
RT: 15.485 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

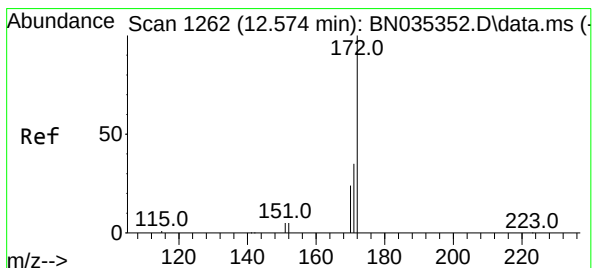
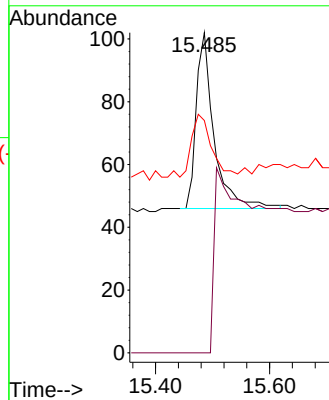
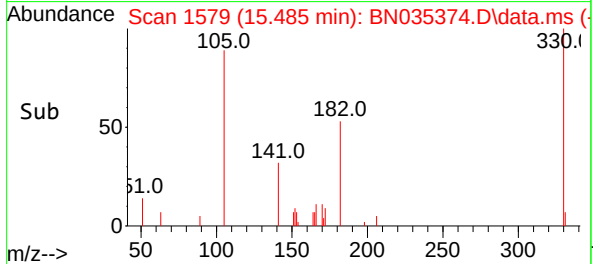
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121DL



Tgt Ion:330 Resp: 129
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.5 26.6 40.0

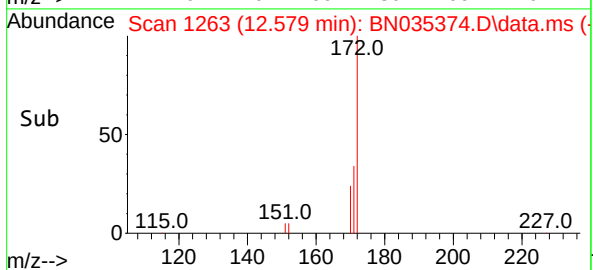
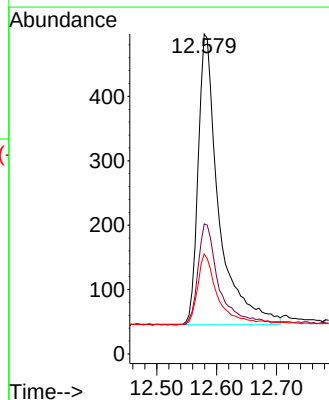
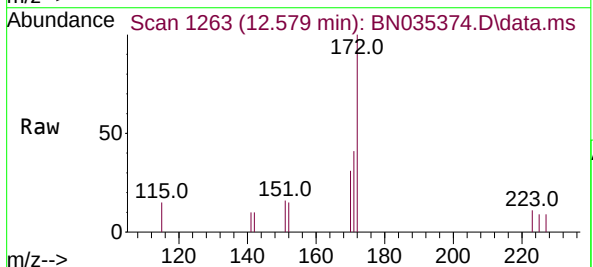
Manual Integrations
APPROVED

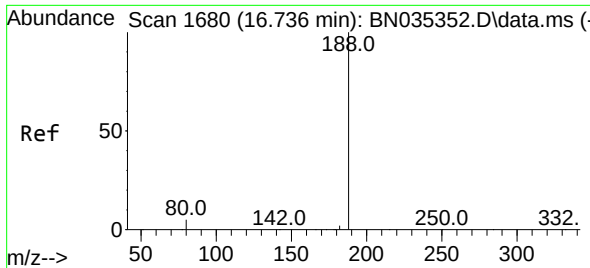
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#15
2-Fluorobiphenyl
Concen: 0.088 ng
RT: 12.579 min Scan# 1263
Delta R.T. 0.005 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

Tgt Ion:172 Resp: 1075
Ion Ratio Lower Upper
172 100
171 40.6 29.0 43.4
170 31.2 19.8 29.8#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.736 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BN035374.D

Acq: 28 Nov 2024 08:26

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20241121DL

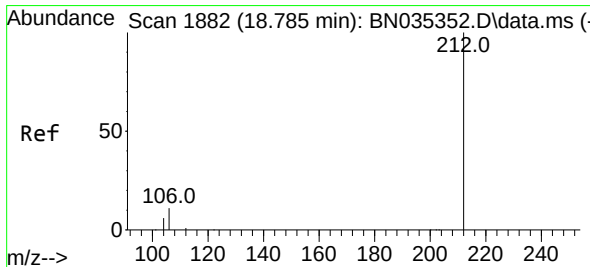
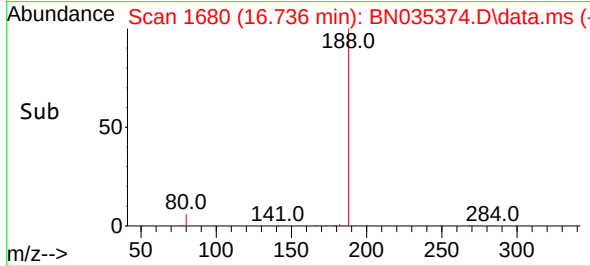
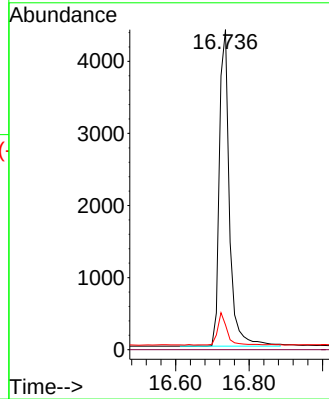
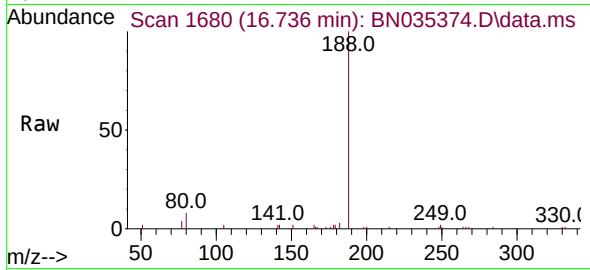
Tgt Ion:	188	Resp:	8380
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.7	4.6	6.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#27

Fluoranthene-d10

Concen: 0.116 ng

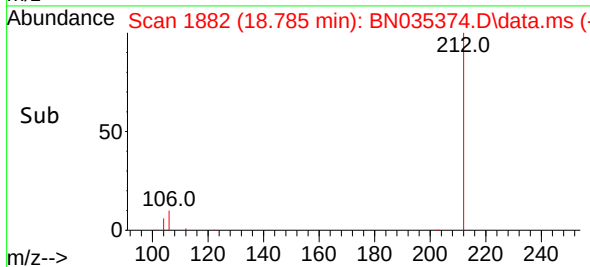
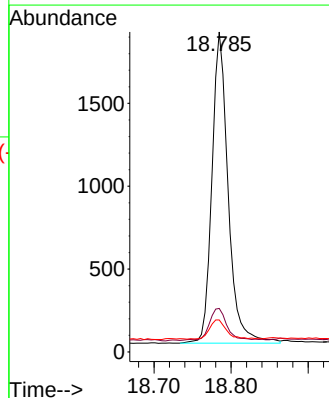
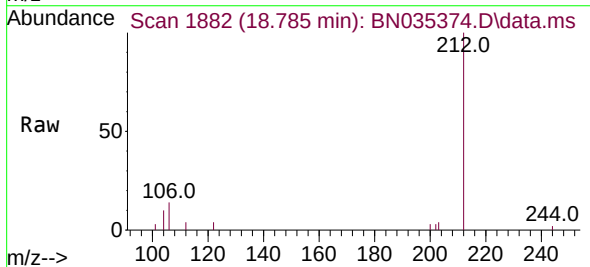
RT: 18.785 min Scan# 1882

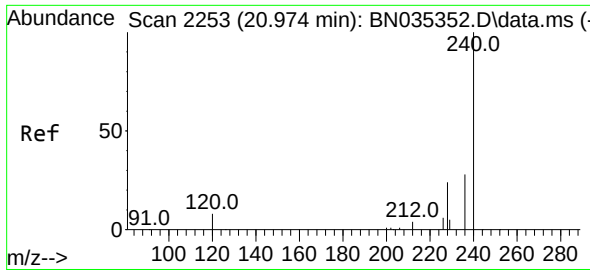
Delta R.T. 0.000 min

Lab File: BN035374.D

Acq: 28 Nov 2024 08:26

Tgt Ion:	212	Resp:	2744
Ion Ratio	Lower	Upper	
212	100		
106	11.4	9.2	13.8
104	6.7	5.3	7.9





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.974 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035374.D

Acq: 28 Nov 2024 08:26

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20241121DL

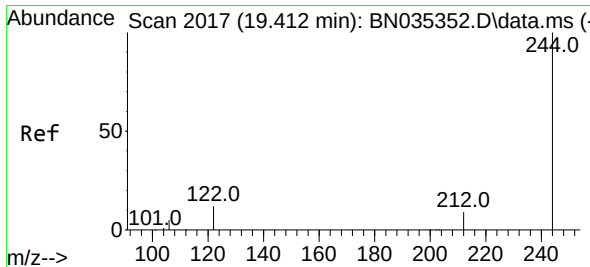
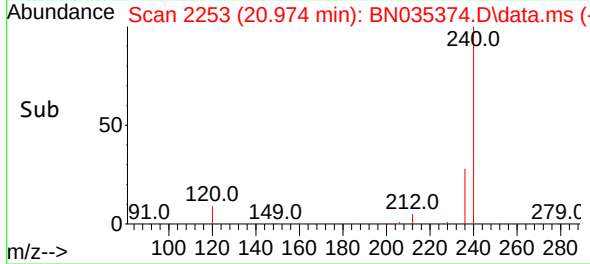
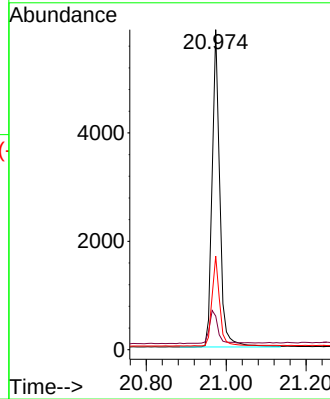
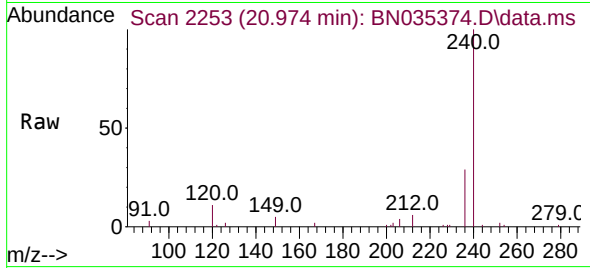
Tgt Ion:	240	Resp:	7890
Ion Ratio	Lower	Upper	
240	100		
120	10.5	7.9	11.9
236	29.2	22.9	34.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#31

Terphenyl-d14

Concen: 0.132 ng

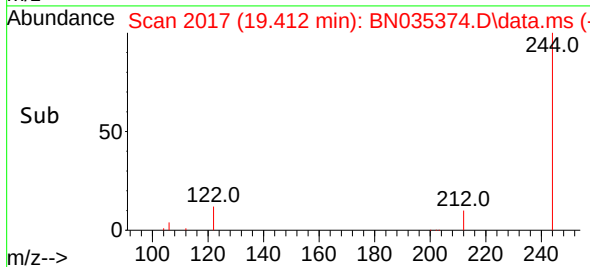
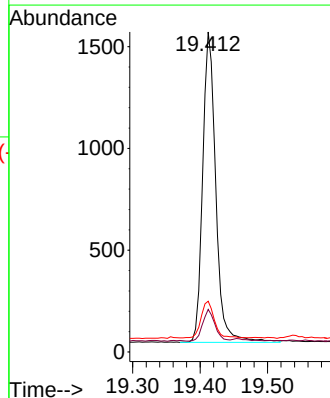
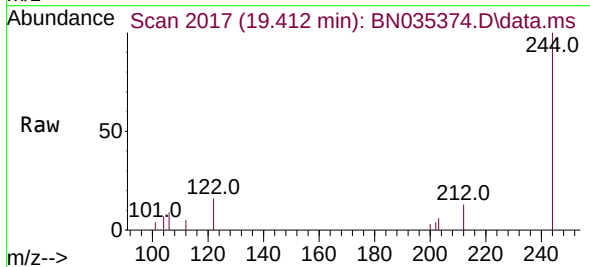
RT: 19.412 min Scan# 2017

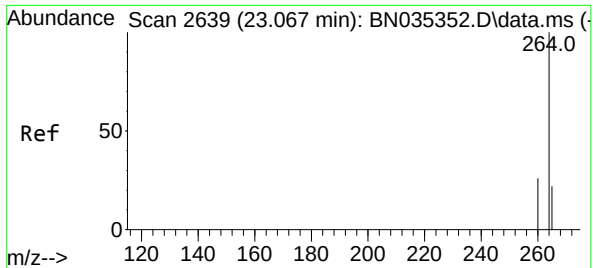
Delta R.T. 0.000 min

Lab File: BN035374.D

Acq: 28 Nov 2024 08:26

Tgt Ion:	244	Resp:	2060
Ion Ratio	Lower	Upper	
244	100		
212	13.3	8.1	12.1#
122	15.8	10.3	15.5#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.067 min Scan# 20

Delta R.T. 0.000 min

Lab File: BN035374.D

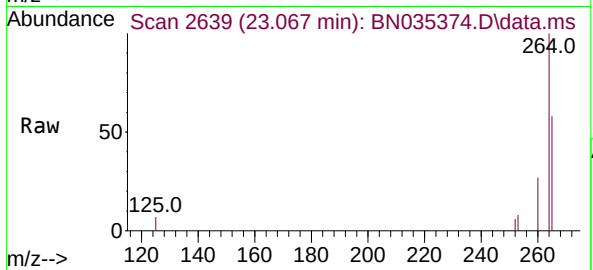
Acq: 28 Nov 2024 08:26

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20241121DL



Tgt Ion:264 Resp: 795

Ion Ratio Lower Upper

264 100

260 26.9 21.4 32.2

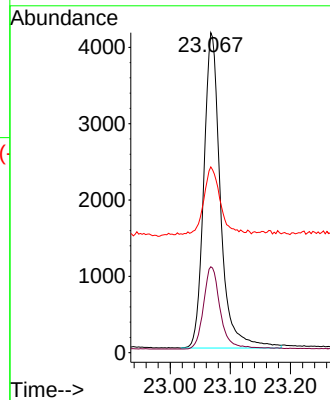
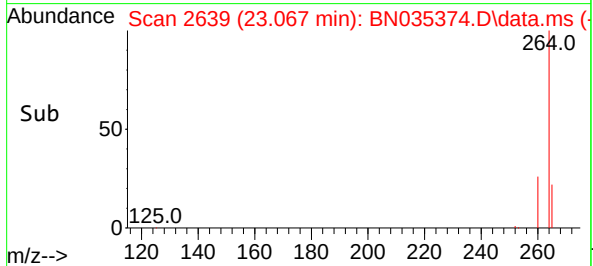
265 58.1 40.2 60.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/21/24
Project:	CTO WE13	Date Received:	11/22/24
Client Sample ID:	RW5-SP201-20241121	SDG No.:	P4959
Lab Sample ID:	P4959-02	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035298.D	1	11/22/24 12:25	11/26/24 02:02	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.55		30 - 150		136%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.53		30 - 150		132%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		55 - 111		61%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.086	*	53 - 106		22%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.92	*	58 - 132		229%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3350		7.315			
1146-65-2	Naphthalene-d8	8970		10.062			
15067-26-2	Acenaphthene-d10	7830		13.965			
1517-22-2	Phenanthrene-d10	13000		16.734			
1719-03-5	Chrysene-d12	823		21.008			
1520-96-3	Perylene-d12	7690		23.075			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035298.D
 Acq On : 26 Nov 2024 02:02
 Operator : RC/JU
 Sample : P4959-02
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP201-20241121

Manual Integrations
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Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 26 03:32:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 02:36:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3353	0.400	ng	0.00
7) Naphthalene-d8	10.062	136	8974	0.400	ng	0.00
13) Acenaphthene-d10	13.965	164	7827	0.400	ng	#-0.01
19) Phenanthrene-d10	16.734	188	12956	0.400	ng	0.00
29) Chrysene-d12	21.008	240	823	0.400	ng	# 0.00
35) Perylene-d12	23.075	264	7685	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1124	0.177	ng	0.00
5) Phenol-d6	6.520	99	772	0.087	ng	0.00
8) Nitrobenzene-d5	8.450	82	1783m	0.245	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	6842	0.545	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	1237	0.310	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	373	0.086	ng	0.00
27) Fluoranthene-d10	18.787	212	18292	0.528	ng	0.00
31) Terphenyl-d14	19.419	244	13926	0.916	ng	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

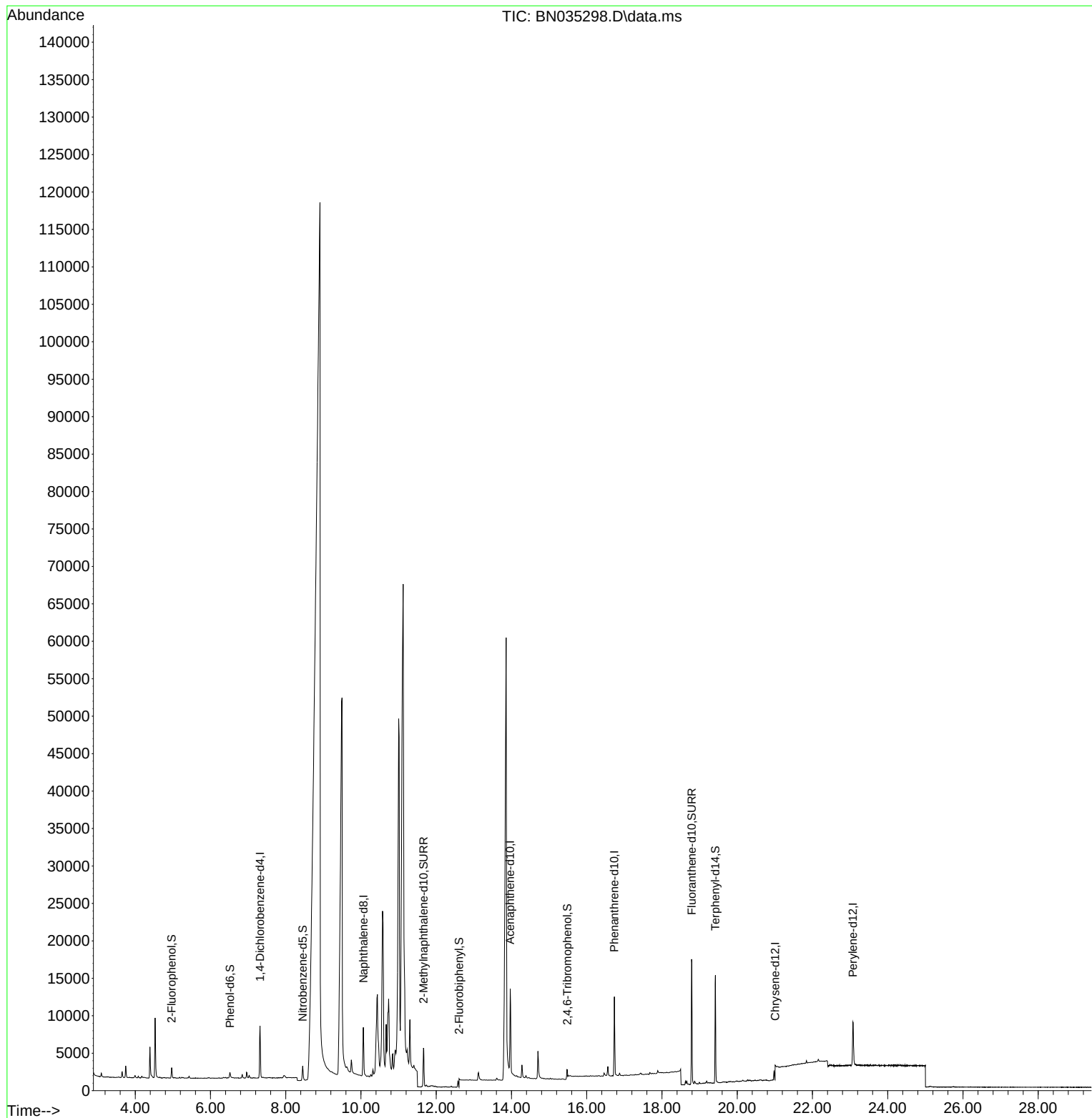
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035298.D
Acq On : 26 Nov 2024 02:02
Operator : RC/JU
Sample : P4959-02
Misc :
ALS Vial : 74 Sample Multiplier: 1

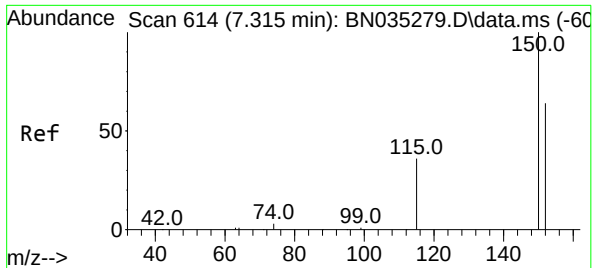
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20241121

Manual Integrations
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Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

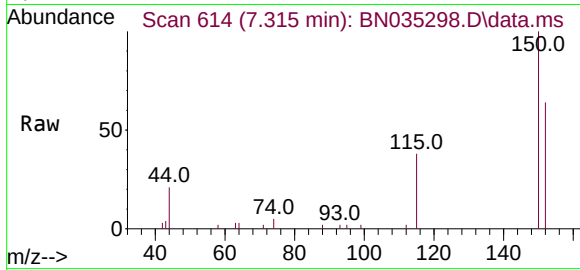
Quant Time: Nov 26 03:32:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 614
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

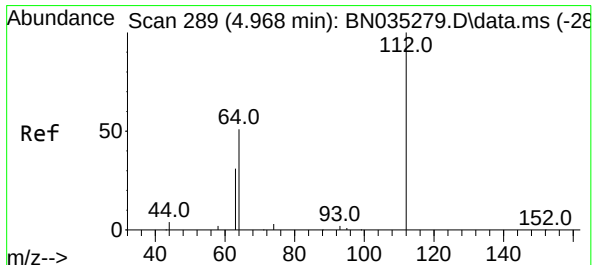
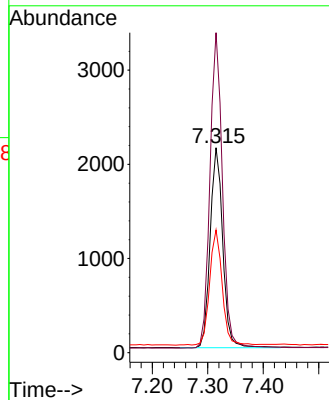
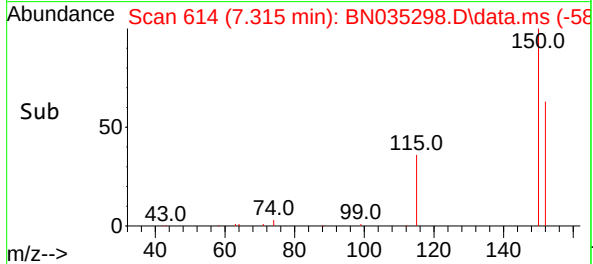
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20241121



Tgt Ion:152 Resp: 335
Ion Ratio Lower Upper
152 100
150 156.1 124.5 186.7
115 59.9 47.8 71.8

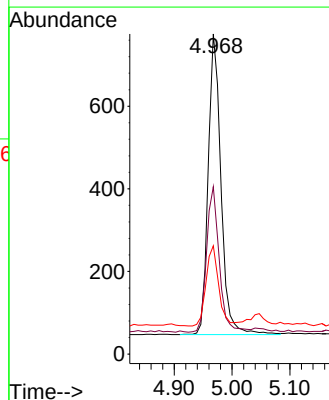
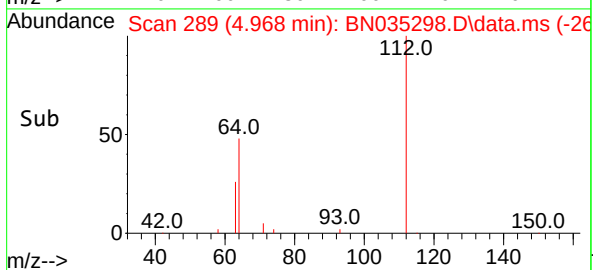
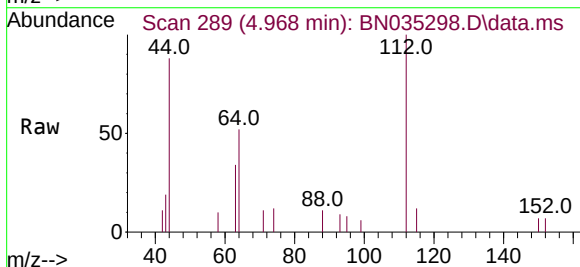
Manual Integrations
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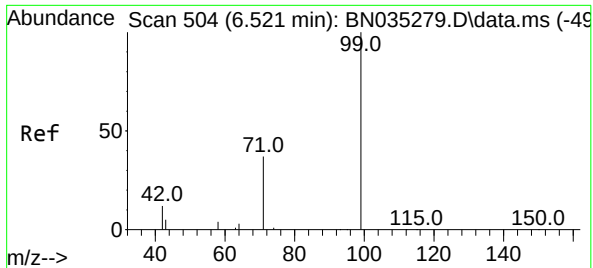
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#4
2-Fluorophenol
Concen: 0.177 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

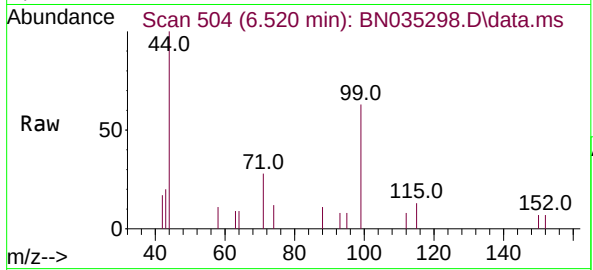
Tgt Ion:112 Resp: 1124
Ion Ratio Lower Upper
112 100
64 48.0 40.4 60.6
63 26.2 23.8 35.8





#5
Phenol-d6
Concen: 0.087 ng
RT: 6.520 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

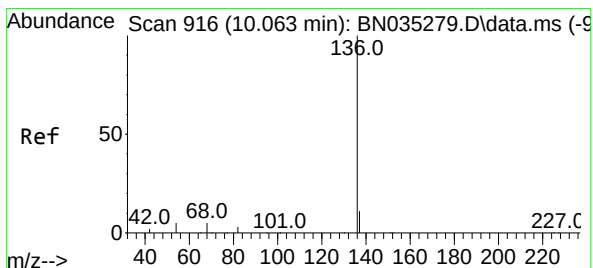
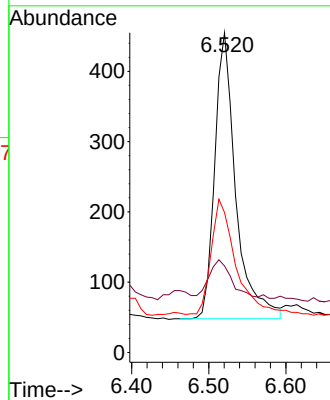
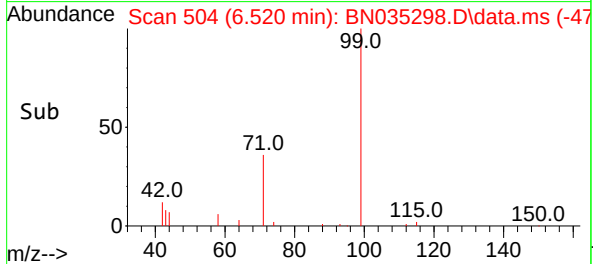
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20241121



Tgt Ion: 99 Resp: 772
Ion Ratio Lower Upper
99 100
42 14.5 12.8 19.2
71 48.4 31.4 47.2

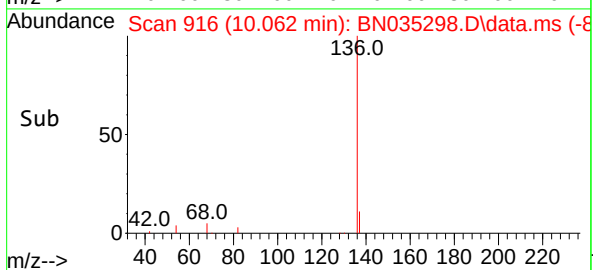
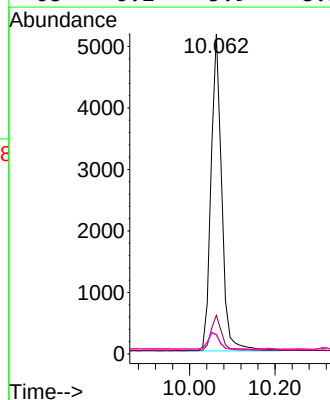
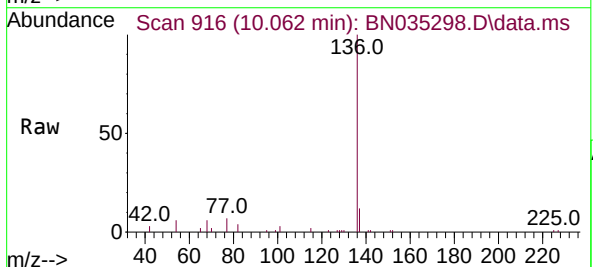
Manual Integrations
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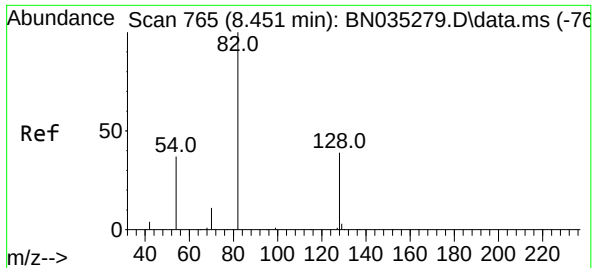
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.062 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

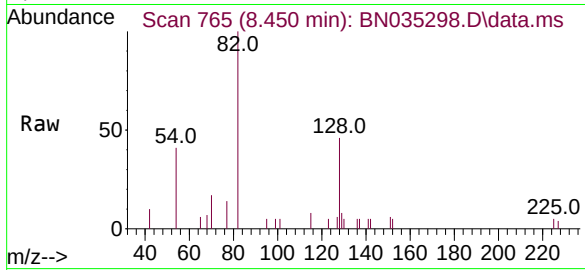
Tgt Ion:136 Resp: 8974
Ion Ratio Lower Upper
136 100
137 12.1 9.7 14.5
54 5.9 5.3 7.9
68 6.2 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.245 ng m
RT: 8.450 min Scan# 70
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

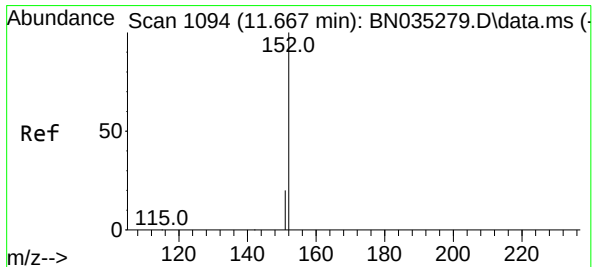
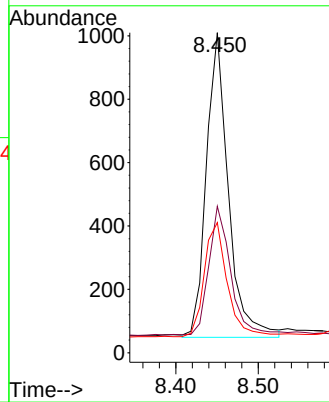
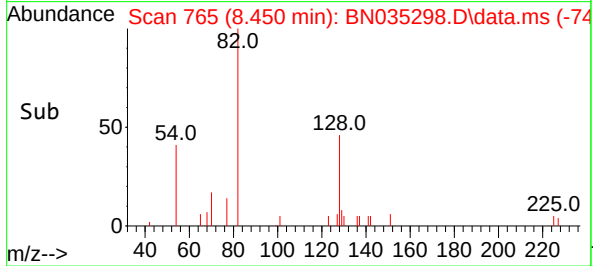
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20241121



Tgt Ion: 82 Resp: 178
Ion Ratio Lower Upper
82 100
128 45.7 33.0 49.4
54 40.7 33.3 49.9

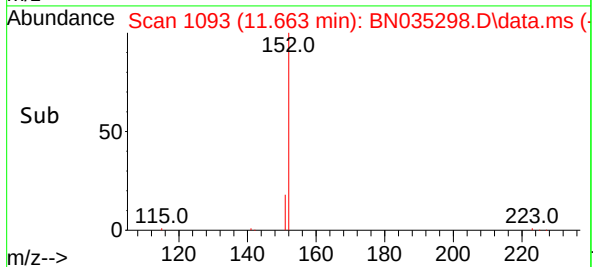
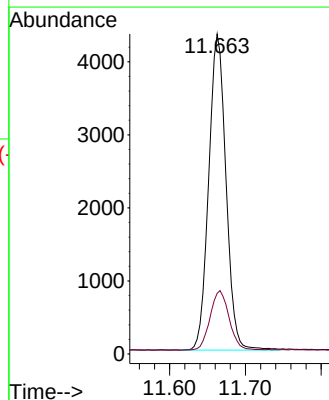
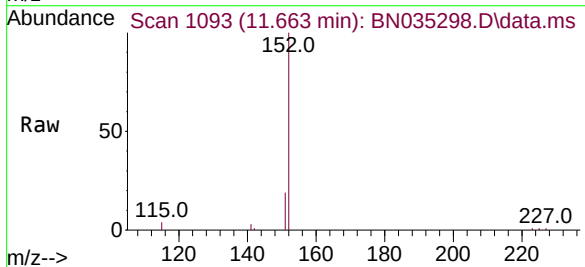
Manual Integrations
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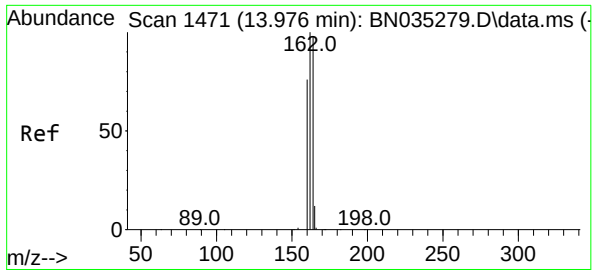
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#11
2-Methylnaphthalene-d10
Concen: 0.545 ng
RT: 11.663 min Scan# 1093
Delta R.T. -0.004 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

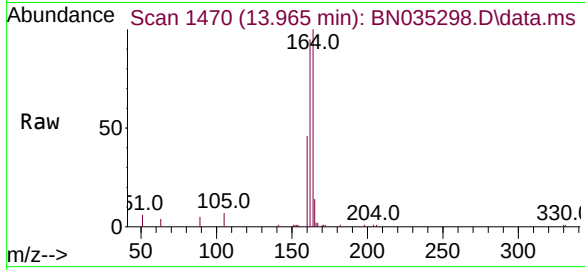
Tgt Ion:152 Resp: 6842
Ion Ratio Lower Upper
152 100
151 20.8 17.2 25.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.965 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

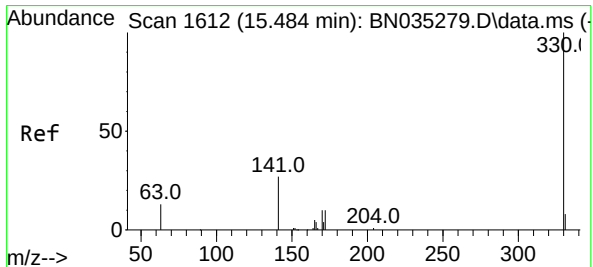
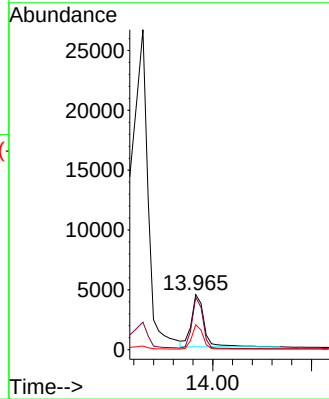
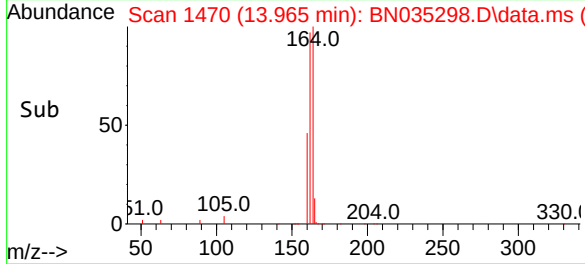
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20241121



Tgt Ion:164 Resp: 782
Ion Ratio Lower Upper
164 100
162 95.1 82.0 123.0
160 45.6 63.0 94.4

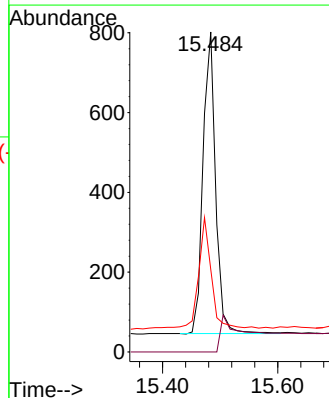
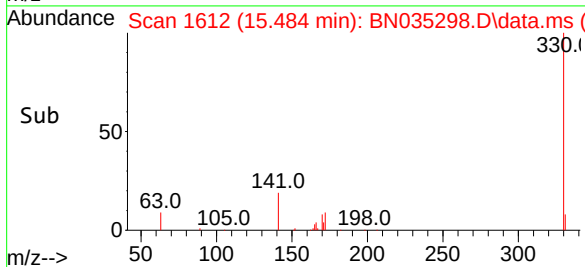
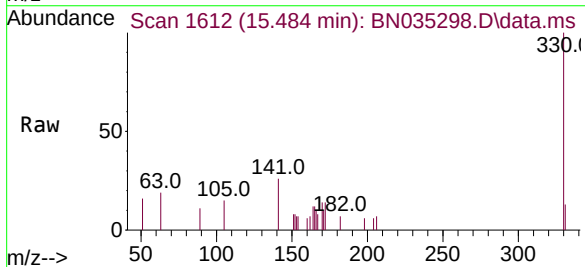
Manual Integrations
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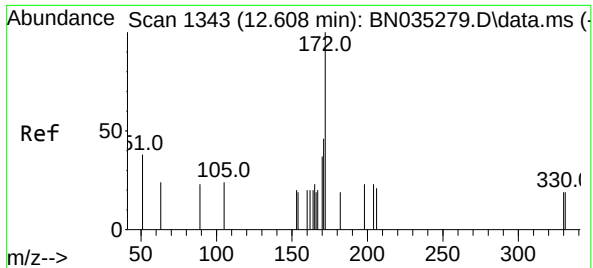
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#14
2,4,6-Tribromophenol
Concen: 0.310 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

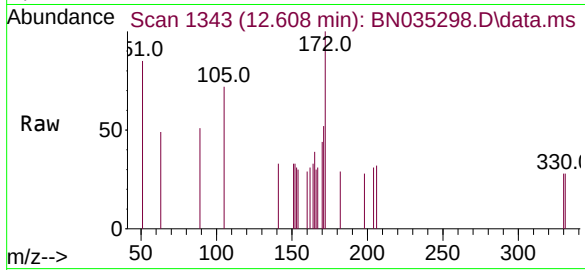
Tgt Ion:330 Resp: 1237
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 37.5 32.4 48.6





#15
2-Fluorobiphenyl
Concen: 0.086 ng
RT: 12.608 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

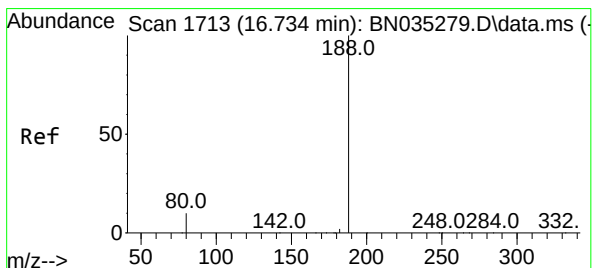
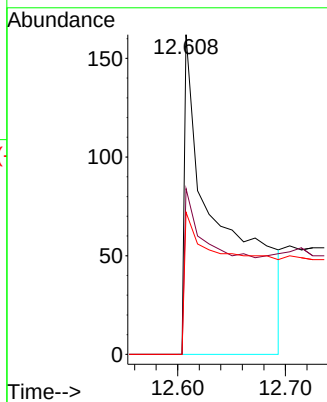
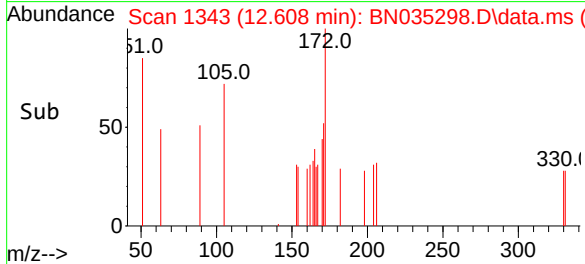
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20241121



Tgt Ion:172 Resp: 37
Ion Ratio Lower Upper
172 100
171 51.9 36.6 55.0
170 44.4 29.7 44.5

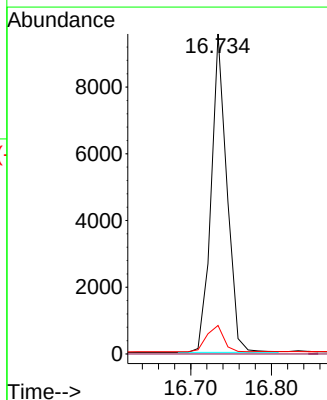
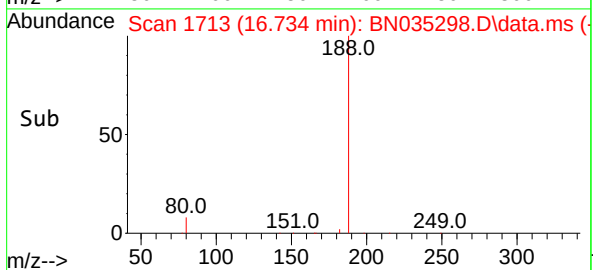
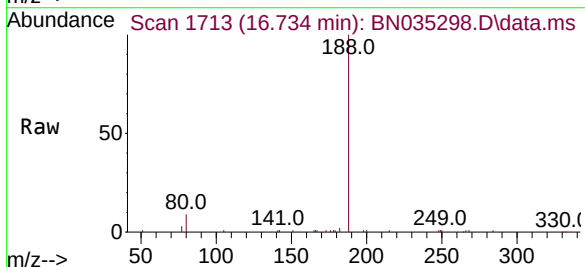
Manual Integrations
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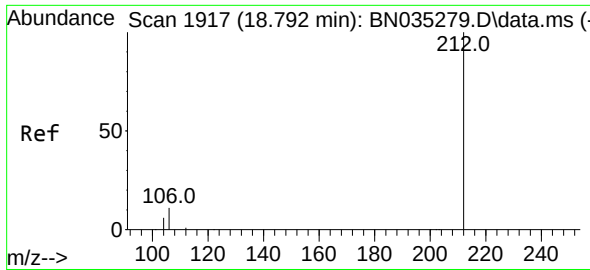
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

Tgt Ion:188 Resp: 12956
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.9 8.9 13.3





#27

Fluoranthene-d10

Concen: 0.528 ng

RT: 18.787 min Scan# 1916

Delta R.T. -0.005 min

Lab File: BN035298.D

Acq: 26 Nov 2024 02:02

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-20241121

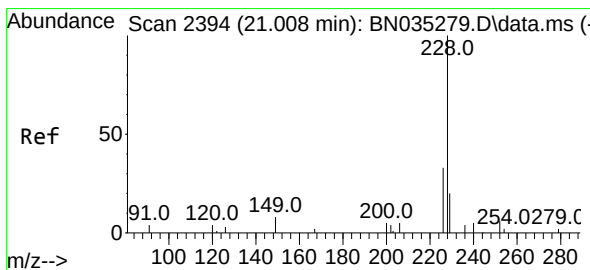
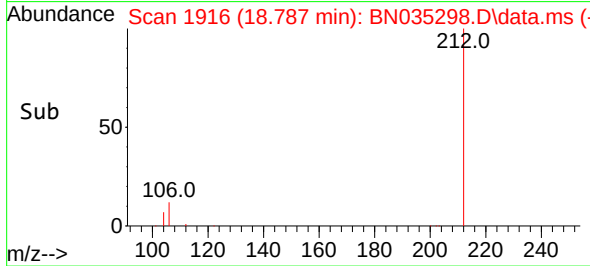
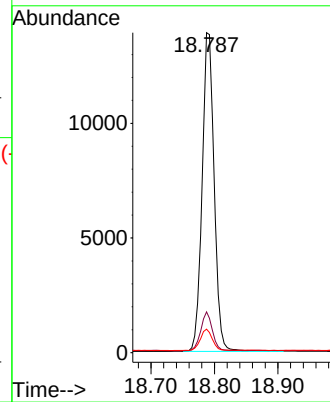
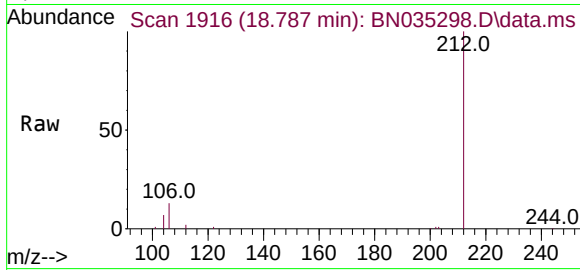
Tgt Ion:	212	Resp:	1829
Ion Ratio	Lower	Upper	
212	100		
106	11.6	9.8	14.8
104	6.6	5.6	8.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#29

Chrysene-d12

Concen: 0.400 ng

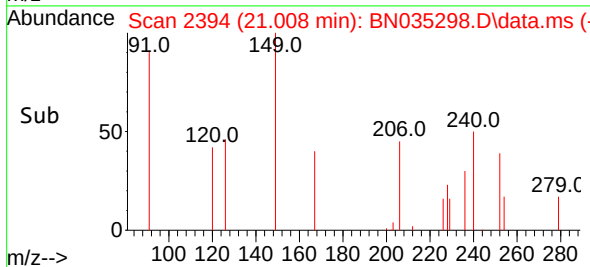
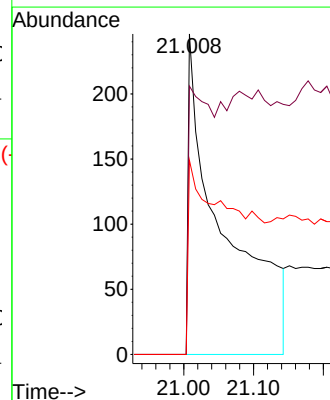
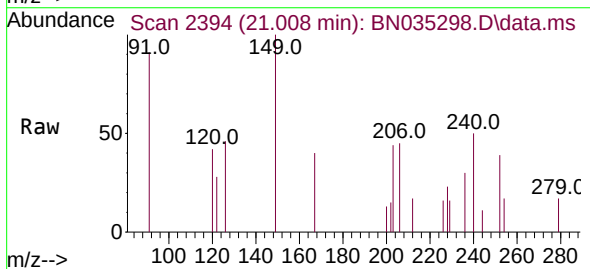
RT: 21.008 min Scan# 2394

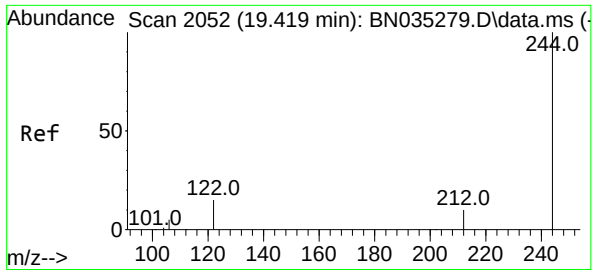
Delta R.T. -0.000 min

Lab File: BN035298.D

Acq: 26 Nov 2024 02:02

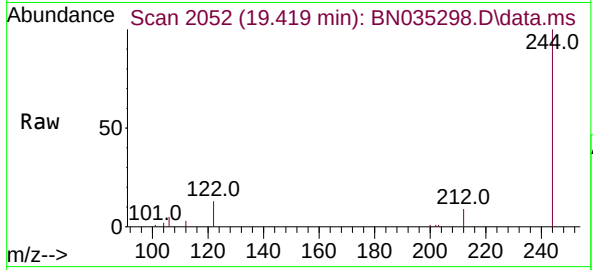
Tgt Ion:	240	Resp:	823
Ion Ratio	Lower	Upper	
240	100		
120	83.7	54.9	82.3
236	60.6	54.0	81.0





#31
Terphenyl-d14
Concen: 0.916 ng
RT: 19.419 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

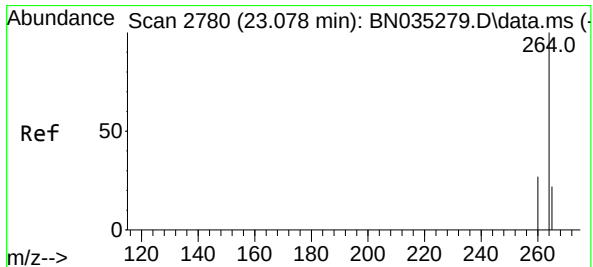
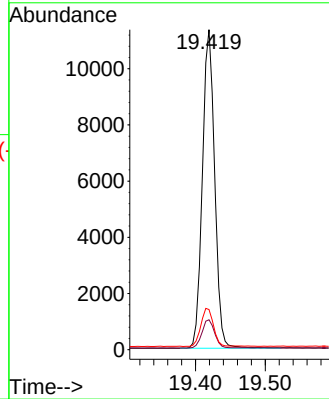
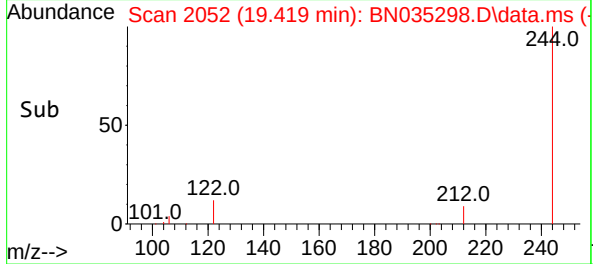
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20241121



Tgt Ion:244 Resp: 13920
Ion Ratio Lower Upper
244 100
212 9.4 9.4 14.0
122 12.6 13.0 19.4

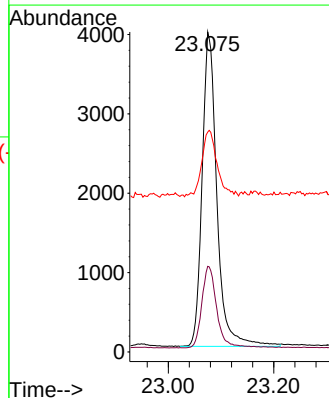
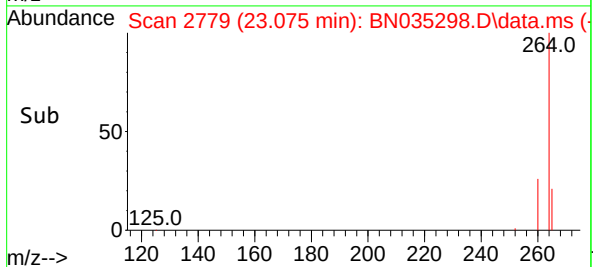
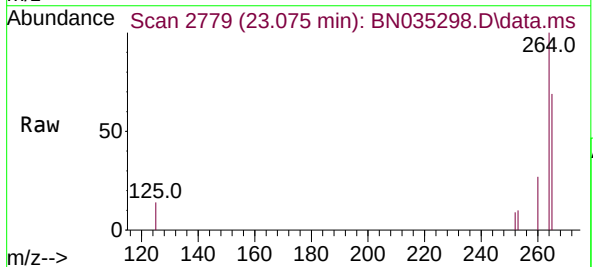
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.075 min Scan# 2779
Delta R.T. -0.003 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

Tgt Ion:264 Resp: 7685
Ion Ratio Lower Upper
264 100
260 26.8 22.3 33.5
265 68.7 68.6 103.0



Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/21/24
Project:	CTO WE13	Date Received:	11/22/24
Client Sample ID:	RW5-SP303-20241121	SDG No.:	P4959
Lab Sample ID:	P4959-03	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035299.D	1	11/22/24 12:25	11/26/24 02:38	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.45		30 - 150		113%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.23		55 - 111		57%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.24		53 - 106		60%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.73	*	58 - 132		182%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4030		7.315			
1146-65-2	Naphthalene-d8	10600		10.063			
15067-26-2	Acenaphthene-d10	6680		13.966			
1517-22-2	Phenanthrene-d10	14000		16.734			
1719-03-5	Chrysene-d12	880		21.008			
1520-96-3	Perylene-d12	7740		23.078			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035299.D
Acq On : 26 Nov 2024 02:38
Operator : RC/JU
Sample : P4959-03
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20241121

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 26 03:33:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	4025	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	10571	0.400	ng	# 0.00
13) Acenaphthene-d10	13.966	164	6682	0.400	ng	#-0.01
19) Phenanthrene-d10	16.734	188	14026	0.400	ng	0.00
29) Chrysene-d12	21.008	240	880	0.400	ng	# 0.00
35) Perylene-d12	23.078	264	7740	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1297	0.171	ng	0.00
5) Phenol-d6	6.520	99	900	0.085	ng	0.00
8) Nitrobenzene-d5	8.450	82	1970m	0.230	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	6676	0.451	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	972	0.285	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	890	0.241	ng	0.00
27) Fluoranthene-d10	18.788	212	15405	0.410	ng	0.00
31) Terphenyl-d14	19.419	244	11853	0.729	ng	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

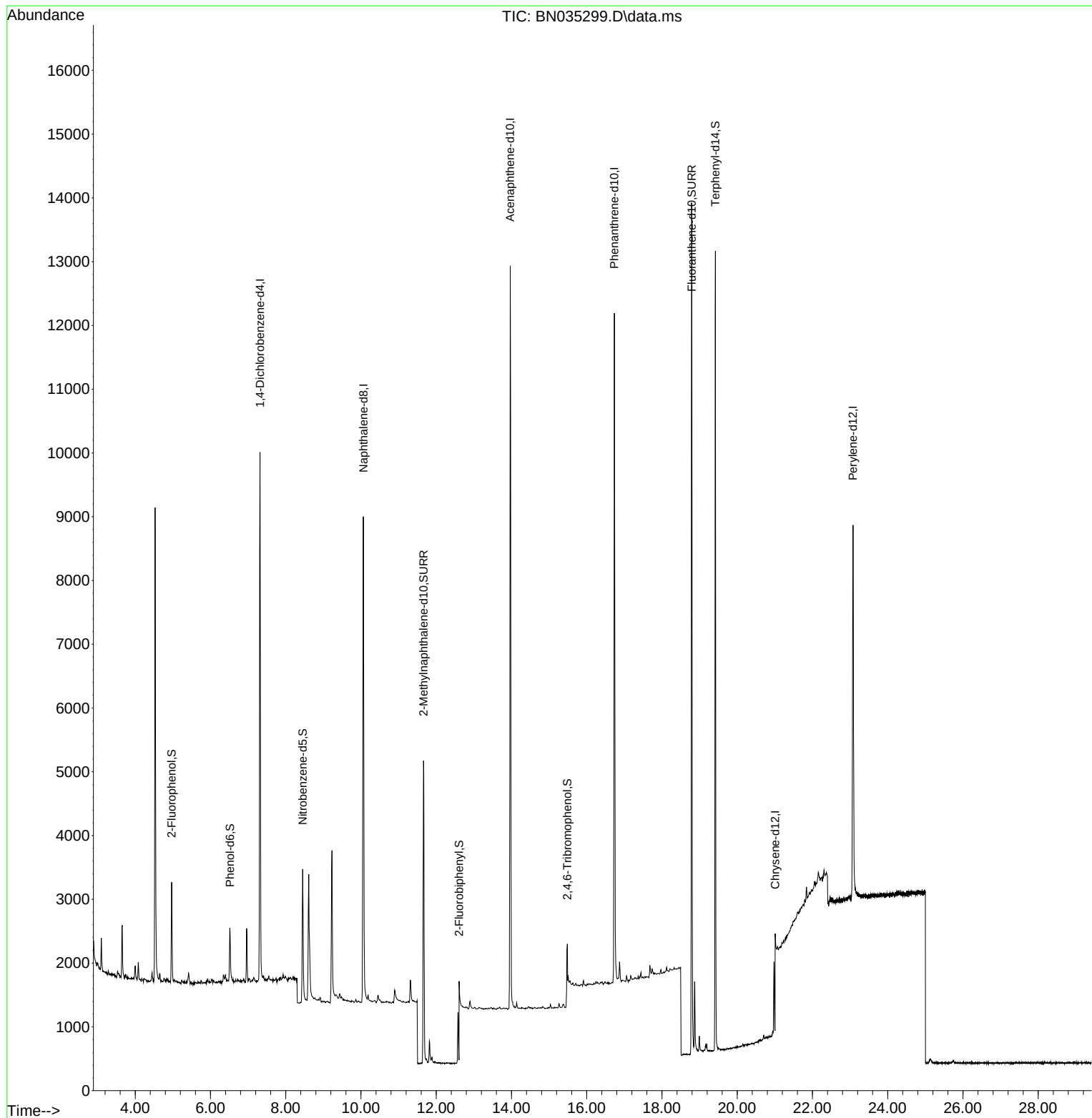
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035299.D
Acq On : 26 Nov 2024 02:38
Operator : RC/JU
Sample : P4959-03
Misc :
ALS Vial : 75 Sample Multiplier: 1

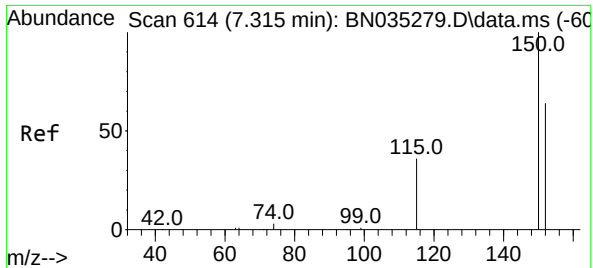
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20241121

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

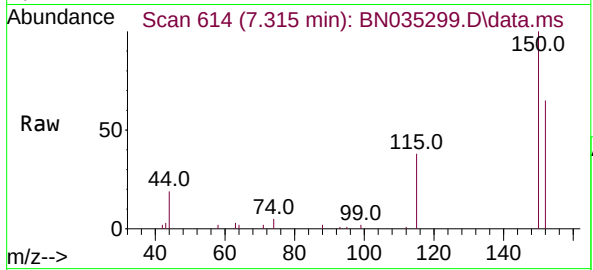
Quant Time: Nov 26 03:33:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 614
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

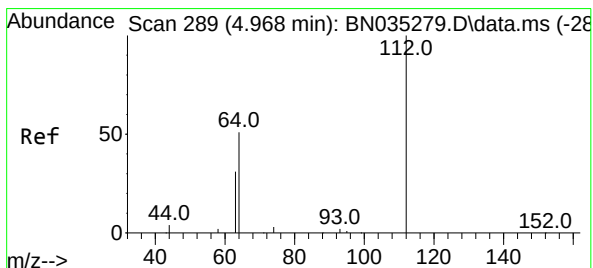
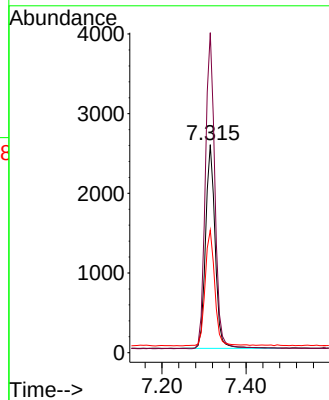
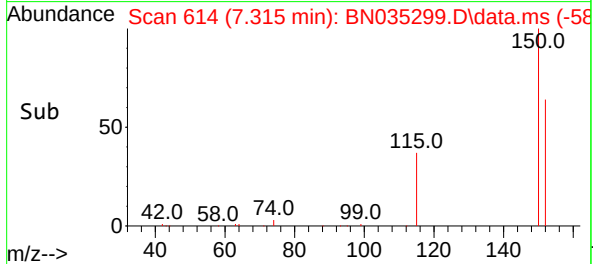
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20241121



Tgt Ion:152 Resp: 4029
Ion Ratio Lower Upper
152 100
150 153.8 124.5 186.7
115 58.9 47.8 71.8

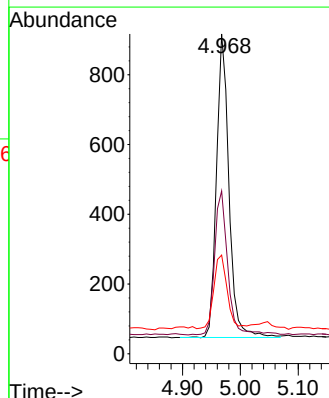
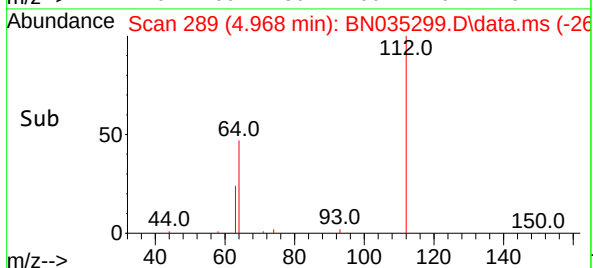
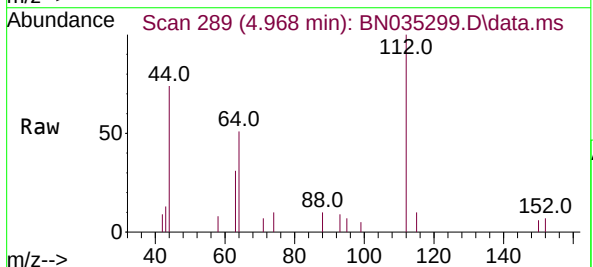
Manual Integrations
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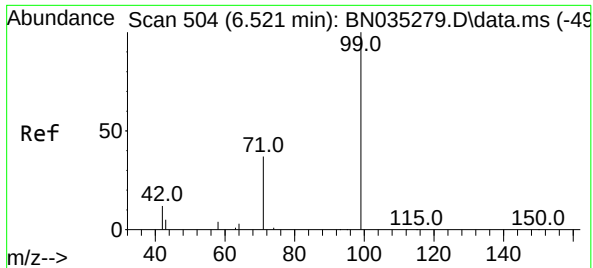
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#4
2-Fluorophenol
Concen: 0.171 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

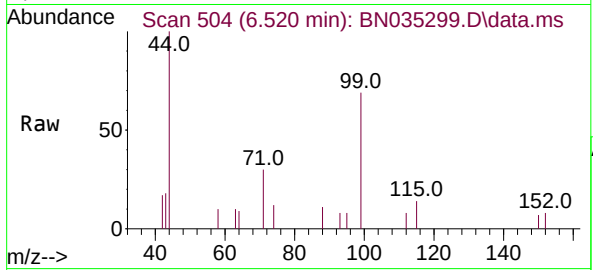
Tgt Ion:112 Resp: 1297
Ion Ratio Lower Upper
112 100
64 50.6 40.4 60.6
63 26.8 23.8 35.8





#5
Phenol-d6
Concen: 0.085 ng
RT: 6.520 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

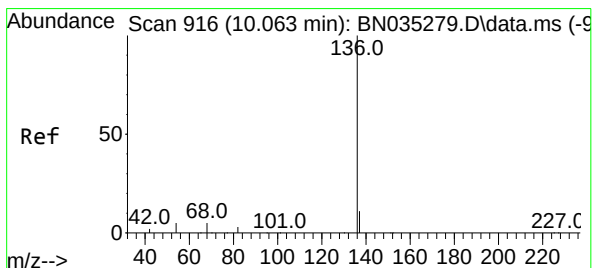
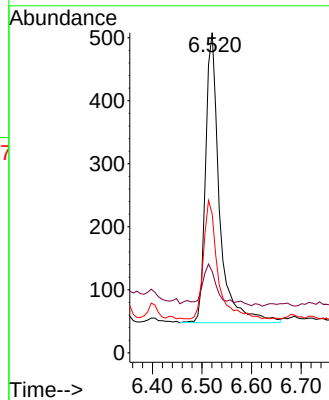
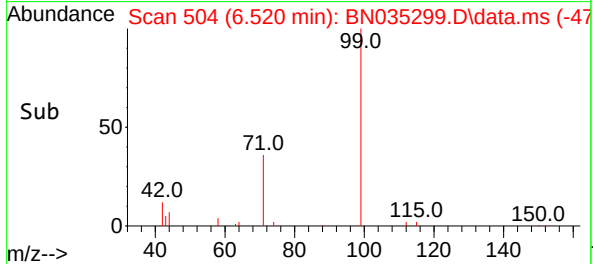
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20241121



Tgt Ion: 99 Resp: 900
Ion Ratio Lower Upper
99 100
42 14.9 12.8 19.2
71 41.7 31.4 47.2

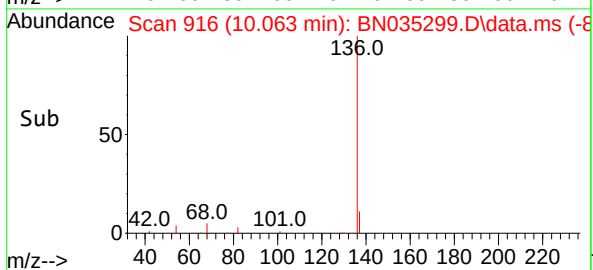
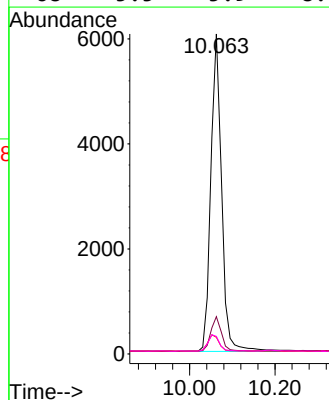
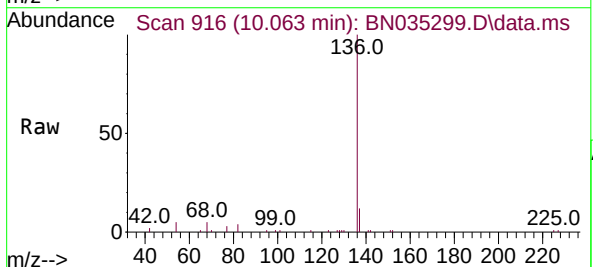
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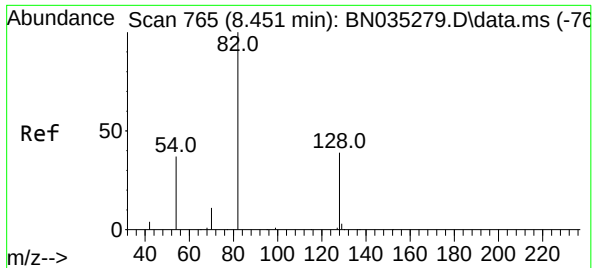
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

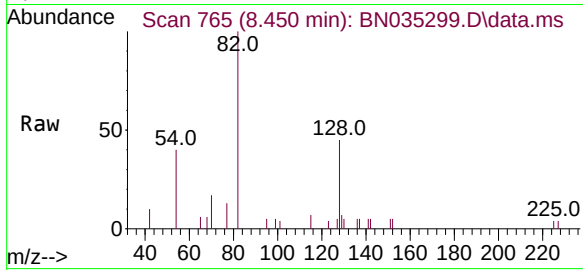
Tgt Ion:136 Resp: 10571
Ion Ratio Lower Upper
136 100
137 11.7 9.7 14.5
54 5.2 5.3 7.9#
68 5.5 5.9 8.9#





#8
Nitrobenzene-d5
Concen: 0.230 ng m
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

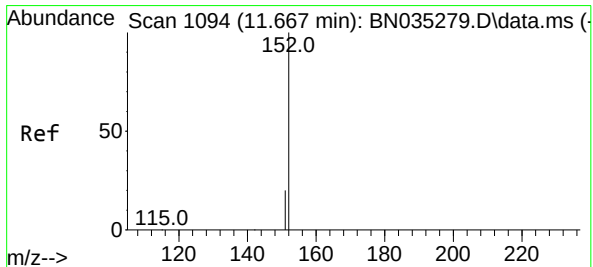
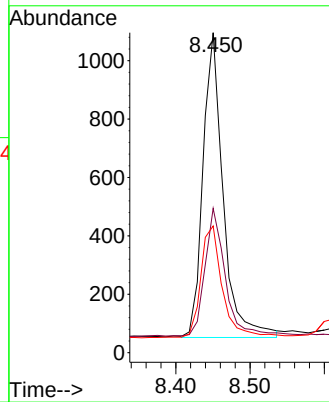
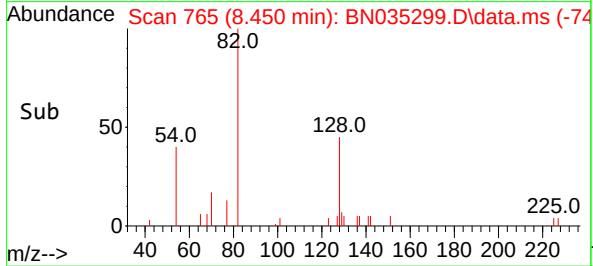
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20241121



Tgt Ion: 82 Resp: 1970
Ion Ratio Lower Upper
82 100
128 45.1 33.0 49.4
54 39.6 33.3 49.9

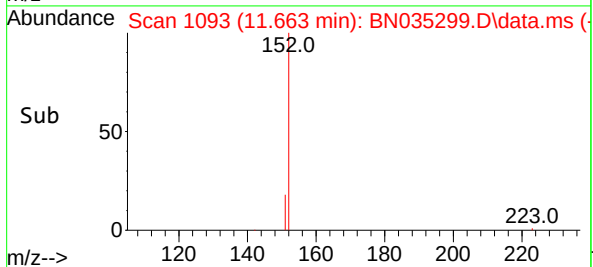
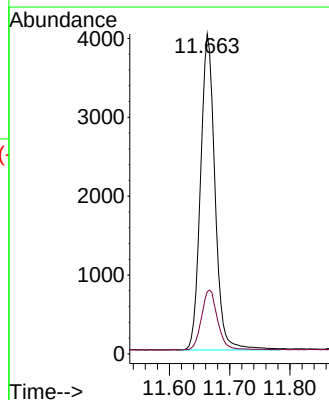
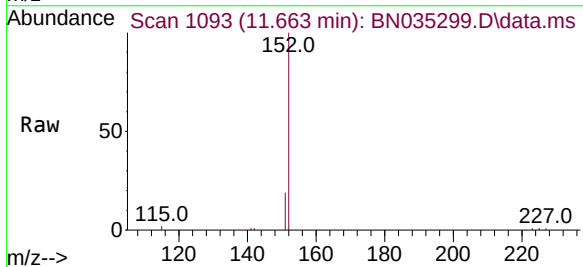
Manual Integrations
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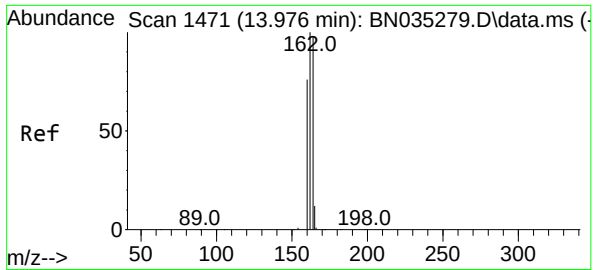
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#11
2-Methylnaphthalene-d10
Concen: 0.451 ng
RT: 11.663 min Scan# 1093
Delta R.T. -0.004 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

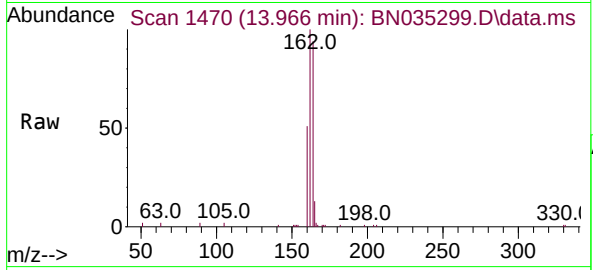
Tgt Ion:152 Resp: 6676
Ion Ratio Lower Upper
152 100
151 21.0 17.2 25.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.966 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

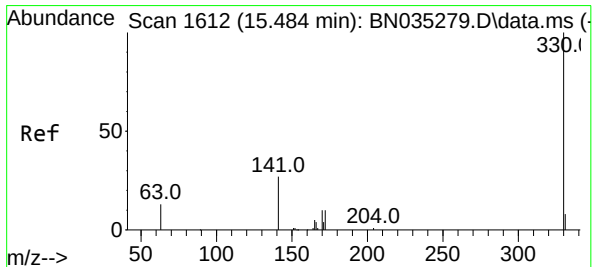
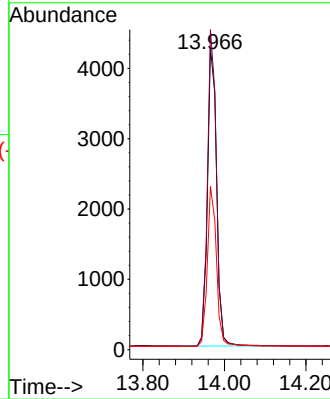
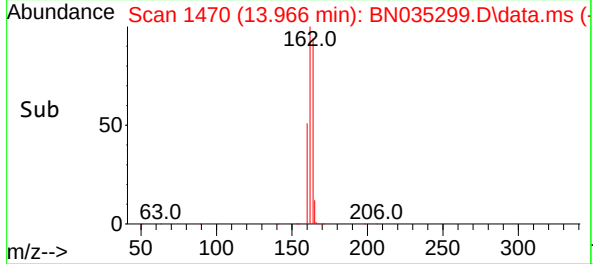
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20241121



Tgt Ion:164 Resp: 668
Ion Ratio Lower Upper
164 100
162 106.0 82.0 123.0
160 54.1 63.0 94.4

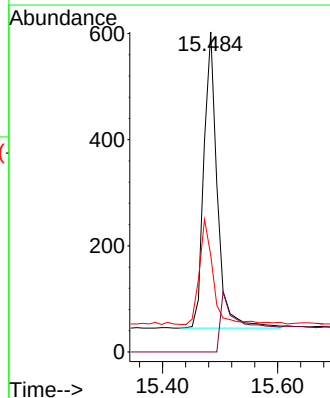
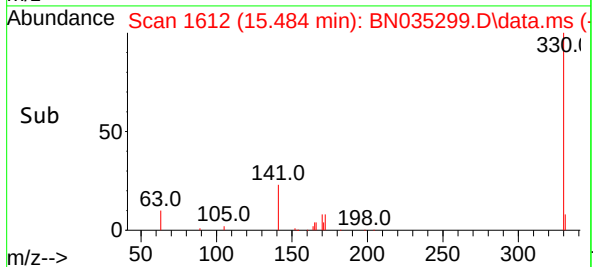
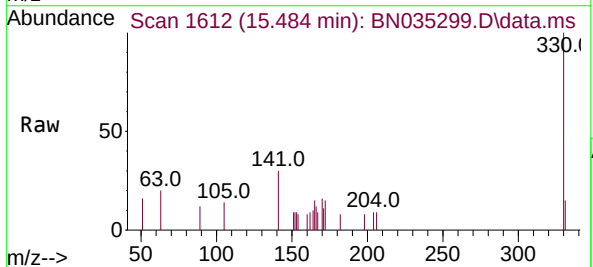
Manual Integrations
APPROVED

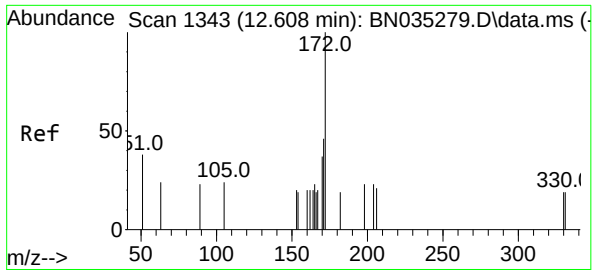
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#14
2,4,6-Tribromophenol
Concen: 0.285 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

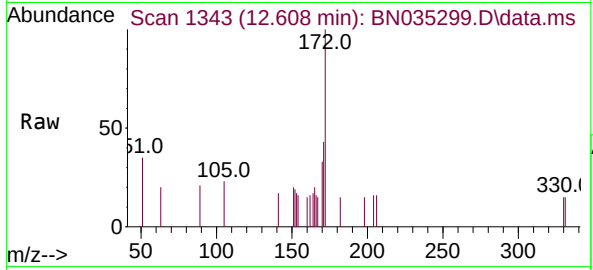
Tgt Ion:330 Resp: 972
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.7 32.4 48.6





#15
2-Fluorobiphenyl
Concen: 0.241 ng
RT: 12.608 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

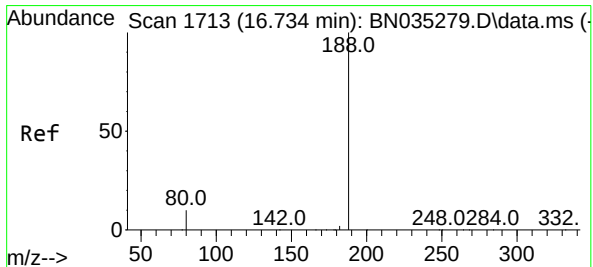
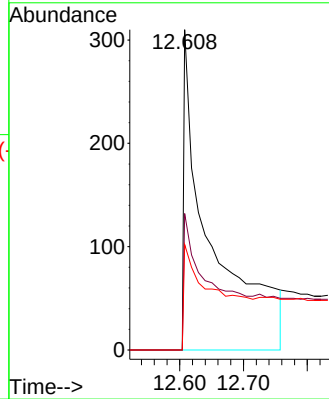
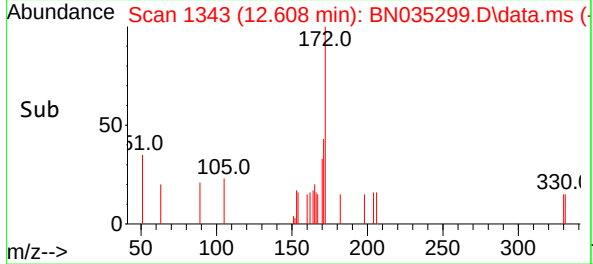
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20241121



Tgt Ion:172 Resp: 890
Ion Ratio Lower Upper
172 100
171 42.6 36.6 55.0
170 32.9 29.7 44.5

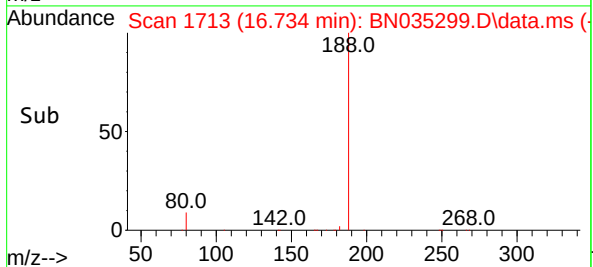
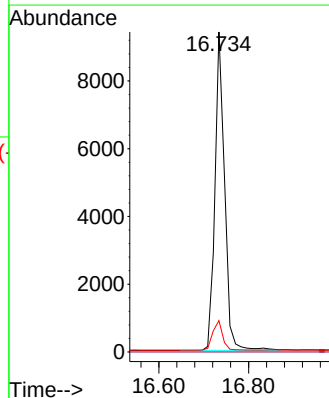
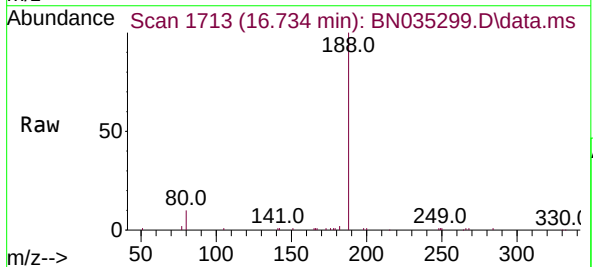
Manual Integrations
APPROVED

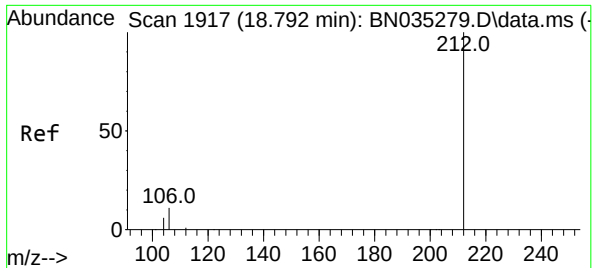
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

Tgt Ion:188 Resp: 14026
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.8 8.9 13.3





#27

Fluoranthene-d10

Concen: 0.410 ng

RT: 18.788 min Scan# 1916

Delta R.T. -0.005 min

Lab File: BN035299.D

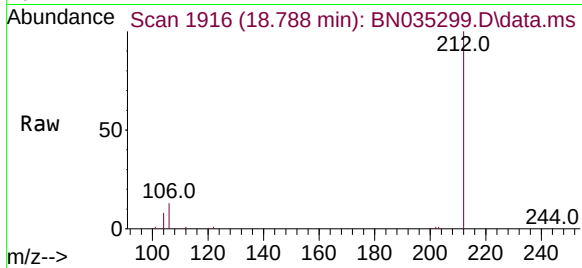
Acq: 26 Nov 2024 02:38

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20241121



Tgt Ion:212 Resp: 1540

Ion Ratio Lower Upper

212 100

106 11.7 9.8 14.8

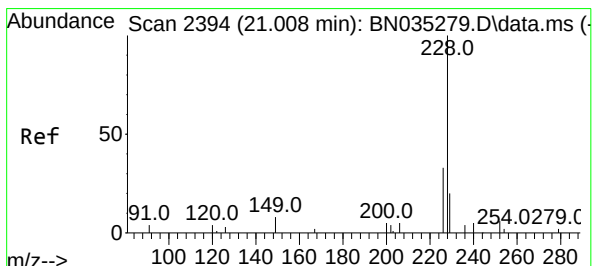
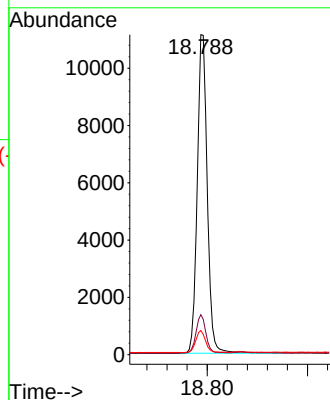
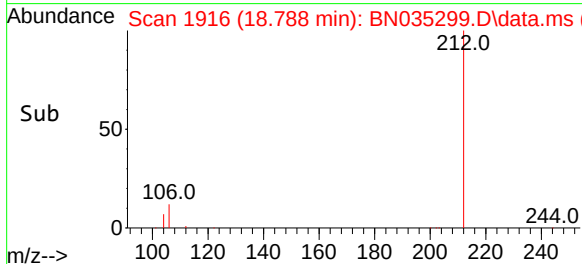
104 6.8 5.6 8.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 2394

Delta R.T. -0.000 min

Lab File: BN035299.D

Acq: 26 Nov 2024 02:38

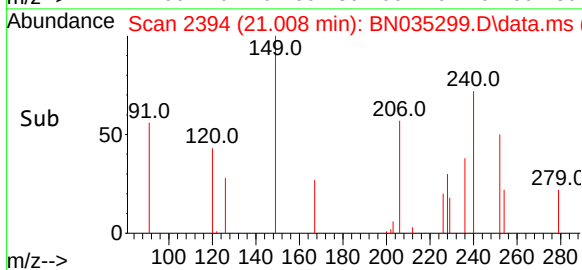
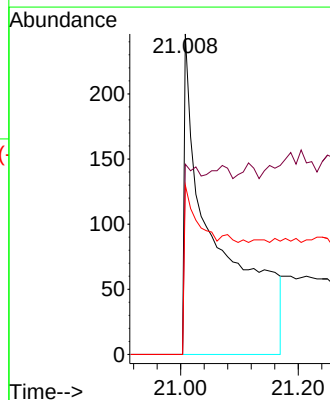
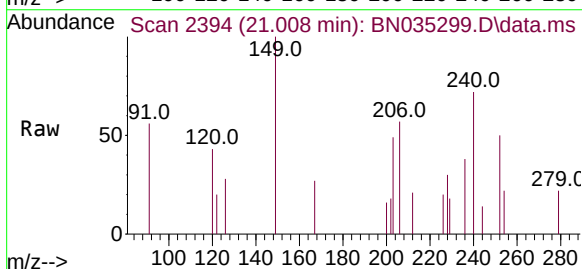
Tgt Ion:240 Resp: 880

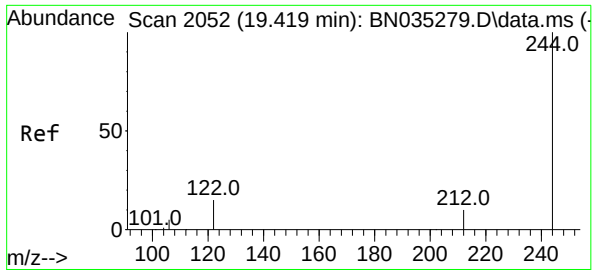
Ion Ratio Lower Upper

240 100

120 59.3 54.9 82.3

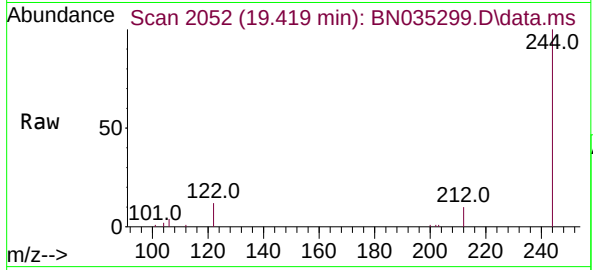
236 52.8 54.0 81.0#





#31
Terphenyl-d14
Concen: 0.729 ng
RT: 19.419 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

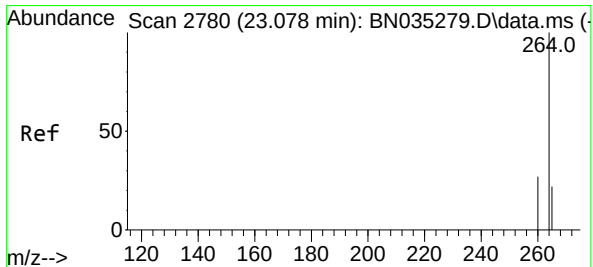
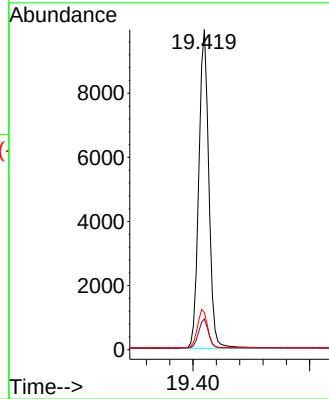
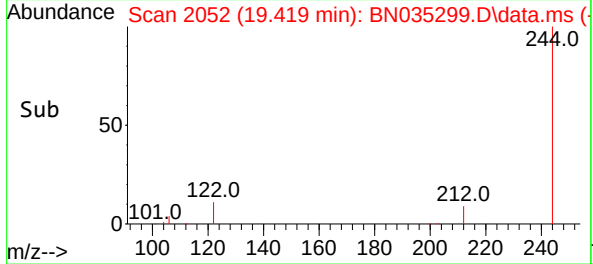
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20241121



Tgt Ion:244 Resp: 1185
Ion Ratio Lower Upper
244 100
212 9.6 9.4 14.0
122 11.7 13.0 19.4

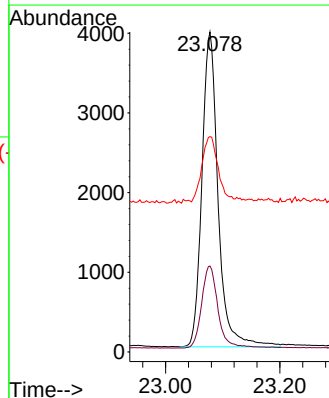
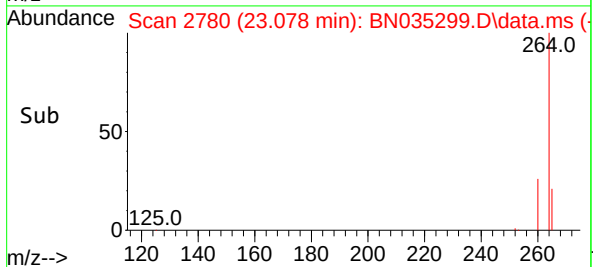
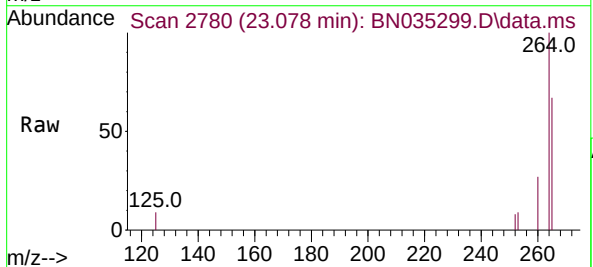
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.078 min Scan# 2780
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

Tgt Ion:264 Resp: 7740
Ion Ratio Lower Upper
264 100
260 26.8 22.3 33.5
265 67.3 68.6 103.0





CALIBRATION SUMMARY



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06
 Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG No.: P4959
 Instrument ID: BNA_N Calibration Date(s): 11/25/2024 11/25/2024
 Calibration Time(s): 10:16 13:52

LAB FILE ID:		RRF0.1 = BN035277.D		RRF0.2 = BN035278.D		RRF0.4 = BN035279.D		
		RRF0.8 = BN035280.D		RRF1.6 = BN035281.D		RRF3.2 = BN035282.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.561	0.531	0.539	0.527	0.566	0.580	0.560	5.6
Fluoranthene-d10	0.953	0.963	0.967	0.998	1.120	1.224	1.070	12.5
2-Fluorophenol	0.858	0.793	0.789	0.725	0.730	0.678	0.756	8.0
Phenol-d6	1.194	1.125	1.105	1.022	1.025	0.963	1.056	8.4
Nitrobenzene-d5	0.267	0.272	0.347	0.327	0.356	0.348	0.324	12.0
2-Fluorobiphenyl	0.595	0.424	0.245	0.118	0.082	0.049	0.221	97.2
2,4,6-Tribromophenol	0.174	0.174	0.180	0.186	0.213	0.230	0.204	18.0
Terphenyl-d14	6.283	5.513	7.259	6.077	8.616	7.644	7.392	22.7
1,4-Dioxane	0.375	0.276	0.287	0.263	0.284	0.262	0.288	13.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN112524.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Nov 26 02:36:08 2024
 Response Via : Initial Calibration

Calibration Files

0.1 =BN035277.D 0.2 =BN035278.D 0.4 =BN035279.D 0.8 =BN035280.D 1.6 =BN035281.D 3.2 =BN035282.D 5.0 =BN035283.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.375	0.276	0.287	0.263	0.284	0.262	0.267	0.288	13.80
3)	n-Nitrosodimet...		0.279	0.284	0.306	0.313	0.299	0.306	0.298	4.56
4) S	2-Fluorophenol	0.858	0.793	0.789	0.725	0.730	0.678	0.718	0.756	8.00
5) S	Phenol-d6	1.194	1.125	1.105	1.022	1.025	0.963	0.955	1.056	8.40
6)	bis(2-Chloroet...	0.910	0.870	0.896	0.887	0.914	0.874	0.869	0.889	2.11
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.267	0.272	0.347	0.327	0.356	0.348	0.354	0.324	11.95
9)	Naphthalene	1.085	1.055	1.091	1.075	1.150	1.140	1.174	1.110	4.01
10)	Hexachlorobuta...	0.281	0.289	0.312	0.311	0.339	0.330	0.322	0.312	6.74
11) SURR	2-Methylnaphth...	0.561	0.531	0.539	0.527	0.566	0.580	0.616	0.560	5.61
12)	2-Methylnaphth...	0.690	0.680	0.680	0.675	0.748	0.782	0.829	0.726	8.37
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.174	0.174	0.180	0.186	0.213	0.230	0.272	0.204	17.97
15) S	2-Fluorobiphenyl	0.595	0.424	0.245	0.118	0.082	0.049	0.033	0.221	97.20
16)	Acenaphthylene	1.859	1.869	1.885	1.919	2.117	2.147	2.294	2.013	8.53
17)	Acenaphthene	1.144	1.158	1.176	1.194	1.341	1.386	1.473	1.267	10.33
18)	Fluorene	1.538	1.617	1.634	1.688	1.907	1.985	2.068	1.777	11.63
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...		0.027	0.034	0.039	0.048	0.056		0.041	27.63
21)	4-Bromophenyl-...	0.248	0.236	0.235	0.233	0.252	0.271	0.300	0.254	9.59
22)	Hexachlorobenzene	0.326	0.336	0.352	0.363	0.391	0.381	0.394	0.363	7.33
23)	Atrazine	0.091	0.095	0.100	0.100	0.114	0.117	0.133	0.107	13.85
24)	Pentachlorophenol		0.067	0.079	0.082	0.097	0.112		0.087	19.82
25)	Phenanthrene	1.121	1.103	1.131	1.162	1.271	1.364	1.448	1.229	11.00
26)	Anthracene	0.904	0.899	0.911	0.953	1.100	1.252	1.367	1.055	18.01
27) SURR	Fluoranthene-d10	0.953	0.963	0.967	0.998	1.120	1.224	1.269	1.070	12.46
28)	Fluoranthene	1.248	1.282	1.340	1.453	1.732	1.890	1.907	1.550	18.48
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.357	1.179	1.528	1.271	1.779	1.615		1.455 E1	15.55
31) S	Terphenyl-d14	0.628	0.551	0.726	0.608	0.862	0.764	1.035	0.739 E1	22.66
32)	Benzo(a)anthra...	1.299	1.119	1.382	1.150	1.641	1.439	1.714	1.392 E1	16.32
33)	Chrysene	1.299	1.119	1.382	1.150	1.641	1.439	1.714	1.392 E1	16.32
34)	Bis(2-ethylhex...		1.747	0.910	0.506	0.436	0.229		0.765	78.59
35) I	Perylene-d12	-----ISTD-----								

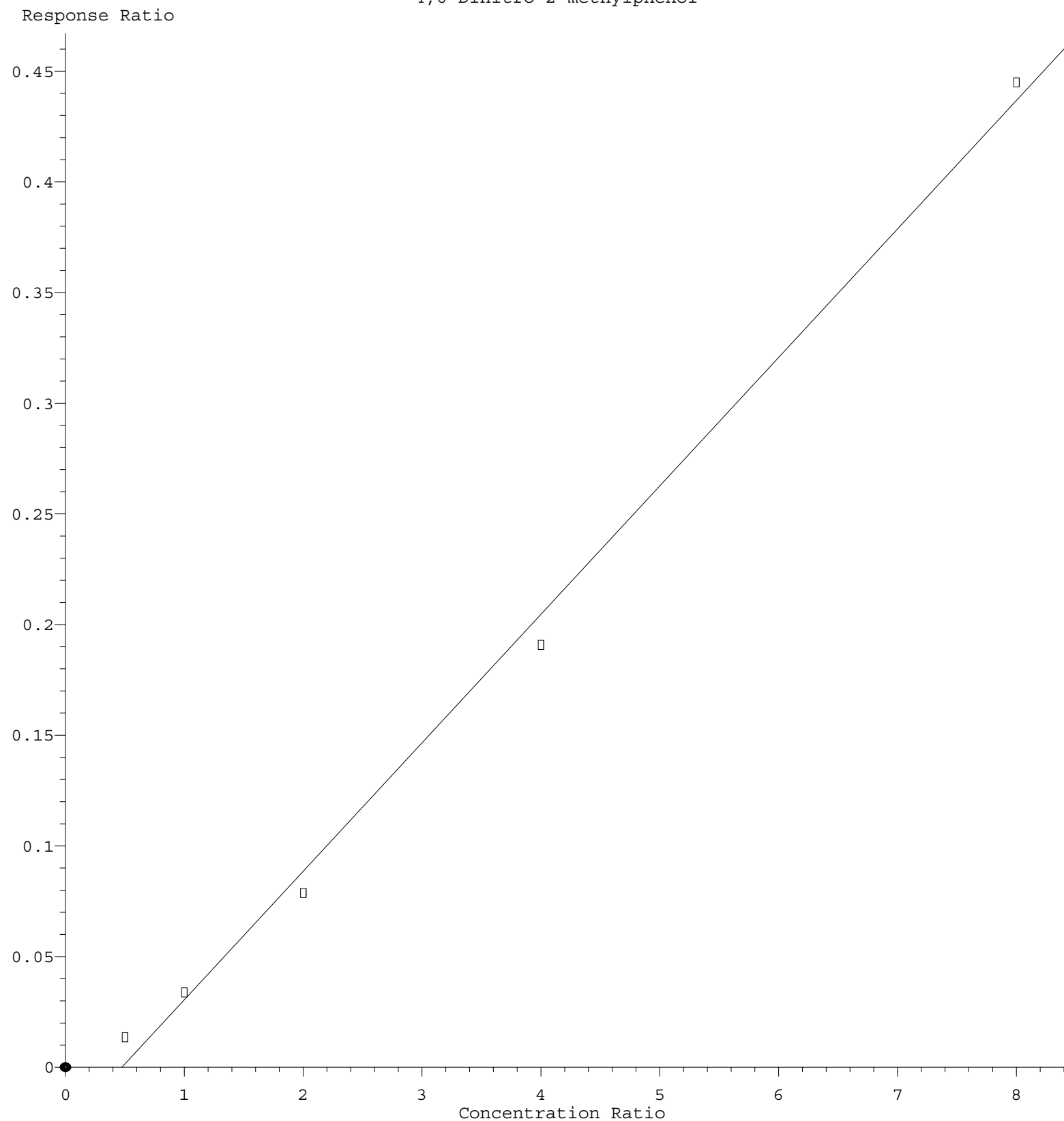
Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

Method File : 8270-SIM-BN112524.M

36)	Indeno(1,2,3-c...	1.377	1.410	1.523	1.574	1.744	1.787	2.049	1.638	14.53
37)	Benzo(b)fluora...	1.505	1.552	1.452	1.714	1.877	2.005	2.064	1.738	14.25
38)	Benzo(k)fluora...	1.567	1.585	1.632	1.796	2.049	2.079	2.165	1.839	13.87
39) C	Benzo(a)pyrene	1.191	1.181	1.143	1.297	1.428	1.476	1.586	1.329	12.80
40)	Dibenzo(a,h)an...	0.961	1.028	1.107	1.202	1.353	1.402	1.612	1.238	18.62
41)	Benzo(g,h,i)pe...	1.296	1.311	1.241	1.412	1.508	1.517	1.737	1.432	11.97

(#) = Out of Range

4,6-Dinitro-2-methylphenol



Response = $5.804 \times 10^{-2} \times \text{Amt} - 2.756 \times 10^{-2}$
 Coef of Det (r^2) = 0.995953 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN112524.M
 Calibration Table Last Updated: Tue Nov 26 02:36:08 2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035277.D
 Acq On : 25 Nov 2024 10:16
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Nov 25 14:17:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 25 14:16:35 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							11/27/2024
1) 1,4-Dichlorobenzene-d4	7.315	152	2616	0.400	ng	0.00	Supervised By :mohammad Ahmed
7) Naphthalene-d8	10.063	136	6701	0.400	ng	0.00	
13) Acenaphthene-d10	13.976	164	3999	0.400	ng	0.00	
19) Phenanthrene-d10	16.734	188	9103	0.400	ng	0.00	
29) Chrysene-d12	21.008	240	834	0.400	ng	0.00	
35) Perylene-d12	23.081	264	5298	0.400	ng	0.00	11/27/2024
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	561	0.084	ng	0.00	
5) Phenol-d6	6.520	99	781	0.094	ng	0.00	
8) Nitrobenzene-d5	8.450	82	447m	0.077	ng	0.00	
11) 2-Methylnaphthalene-d10	11.670	152	939	0.079	ng	0.00	
14) 2,4,6-Tribromophenol	15.484	330	174	0.060	ng	0.00	
15) 2-Fluorobiphenyl	12.608	172	595	0.037	ng	0.00	
27) Fluoranthene-d10	18.792	212	2168	0.078	ng	0.00	
31) Terphenyl-d14	19.419	244	1310	0.749	ng	0.00	
Target Compounds							Qvalue
2) 1,4-Dioxane	3.010	88	245	0.103	ng	#	78
6) bis(2-Chloroethyl)ether	6.766	93	595	0.095	ng		97
9) Naphthalene	10.116	128	1817	0.104	ng	#	92
10) Hexachlorobutadiene	10.415	225	471	0.092	ng	#	98
12) 2-Methylnaphthalene	11.746	142	1156	0.090	ng		98
16) Acenaphthylene	13.688	152	1859	0.109	ng		99
17) Acenaphthene	14.030	154	1144	0.102	ng		92
18) Fluorene	15.035	166	1538	0.093	ng		99
21) 4-Bromophenyl-phenylether	15.952	248	565	0.097	ng	#	70
22) Hexachlorobenzene	16.051	284	743	0.123	ng		98
23) Atrazine	16.237	200	206	0.040	ng	#	82
25) Phenanthrene	16.783	178	2552	0.107	ng		99
26) Anthracene	16.870	178	2057	0.093	ng		99
28) Fluoranthene	18.825	202	2840	0.086	ng		99
30) Pyrene	19.192	202	2830	1.019	ng		100
32) Benzo(a)anthracene	21.017	228	2709	0.933	ng		98
33) Chrysene	21.017	228	2709	0.942	ng		98
36) Indeno(1,2,3-cd)pyrene	25.121	276	1824	0.086	ng		98
37) Benzo(b)fluoranthene	22.464	252	1993	0.112	ng	#	78
38) Benzo(k)fluoranthene	22.505	252	2076	0.116	ng	#	78
39) Benzo(a)pyrene	22.987	252	1578	0.101	ng	#	73
40) Dibenzo(a,h)anthracene	25.142	278	1273	0.076	ng	#	76
41) Benzo(g,h,i)perylene	25.738	276	1716	0.096	ng	#	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

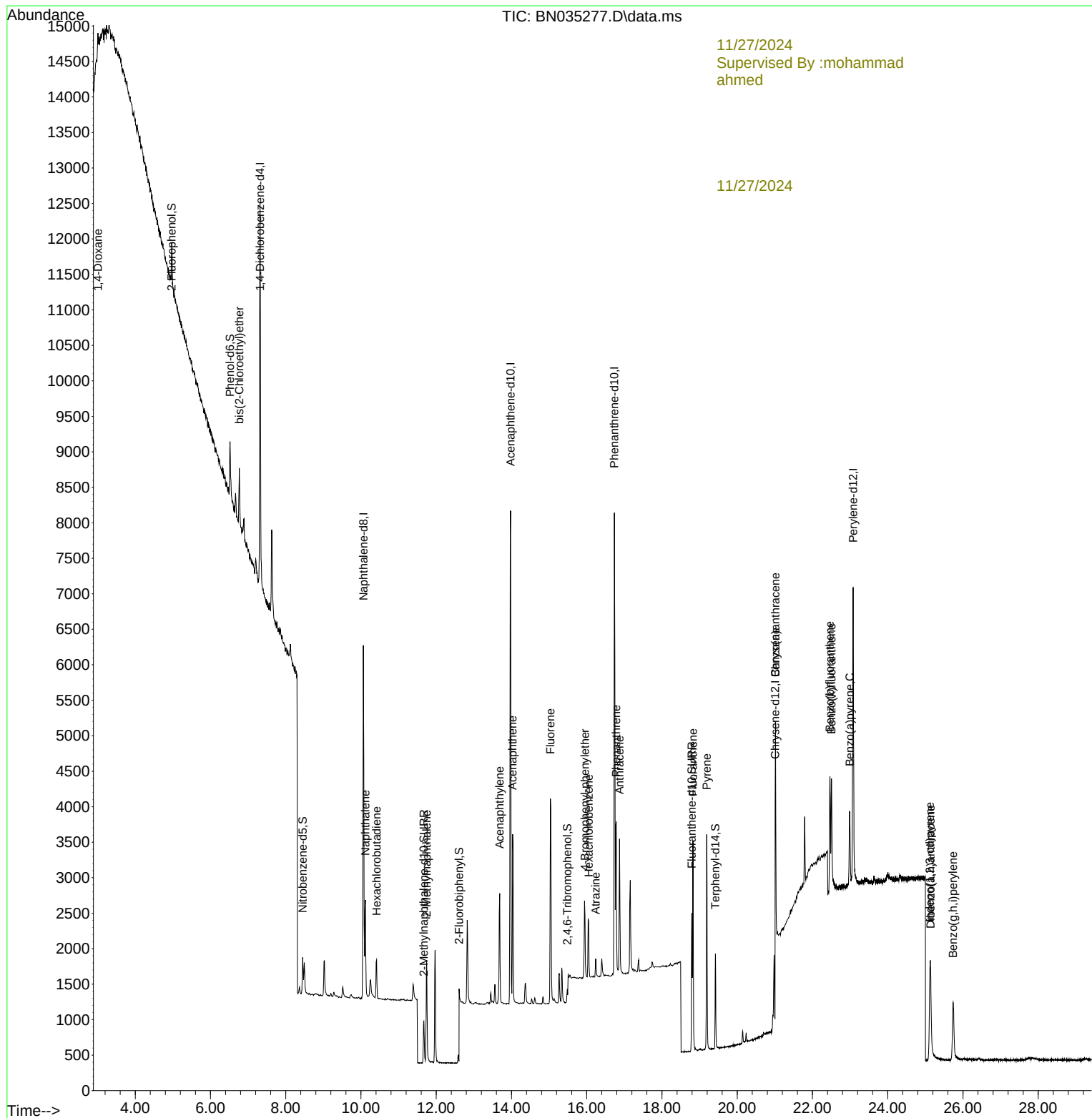
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035277.D
Acq On : 25 Nov 2024 10:16
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 52 Sample Multiplier: 1

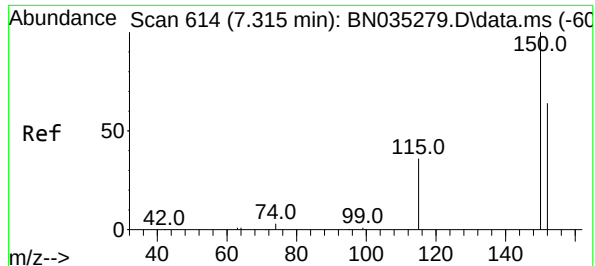
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Nov 25 14:17:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

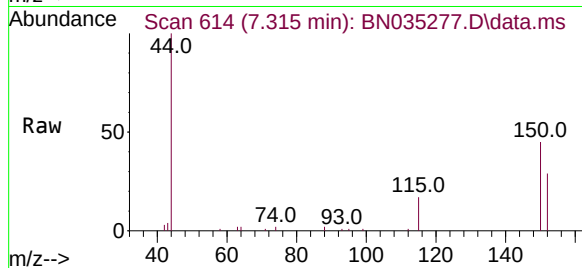
Reviewed By :Yogesh
Patel





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 614
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

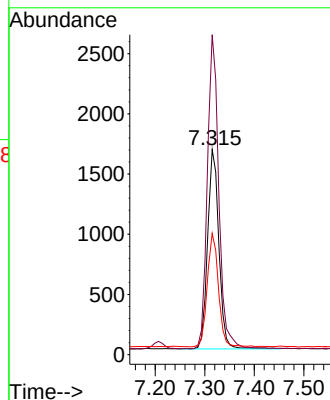
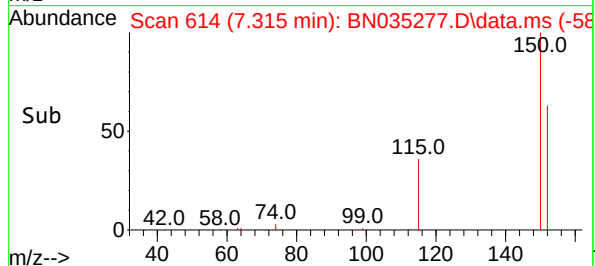
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion: 152 Resp: 2610
Ion Ratio Lower Upper
152 100
150 156.0 124.5 186.7
115 59.1 47.8 71.8

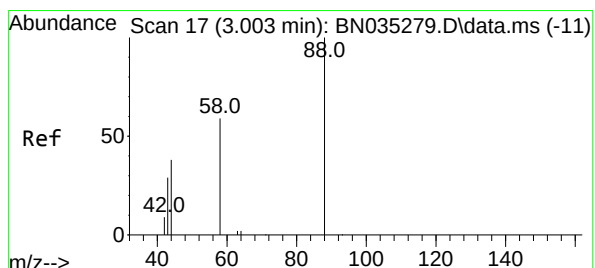
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Reviewed By :Yogesh
Patel



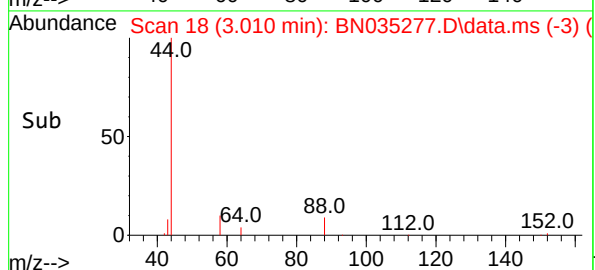
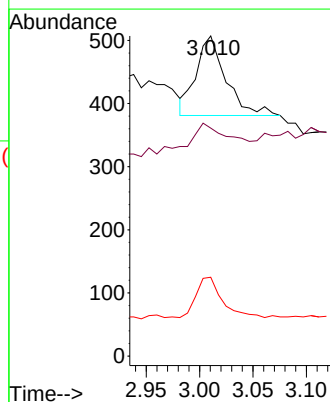
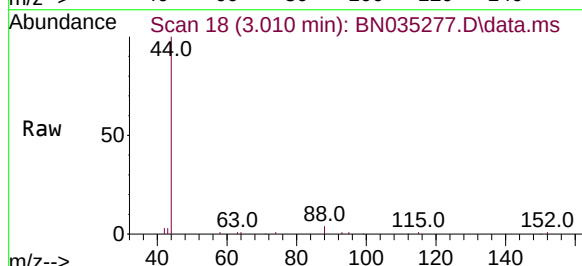
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Supervised By :mohammad
ahmed

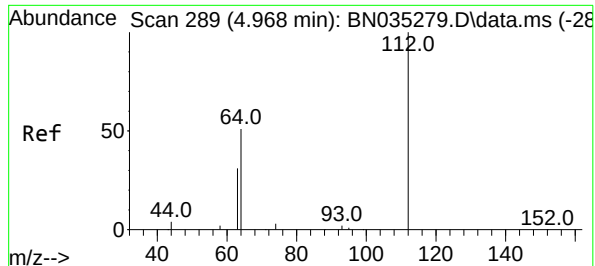
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#2
1,4-Dioxane
Concen: 0.103 ng
RT: 3.010 min Scan# 18
Delta R.T. 0.007 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion: 88 Resp: 245
Ion Ratio Lower Upper
88 100
43 78.8 48.1 72.1#
58 44.9 46.9 70.3#





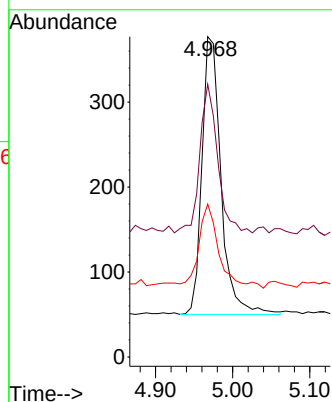
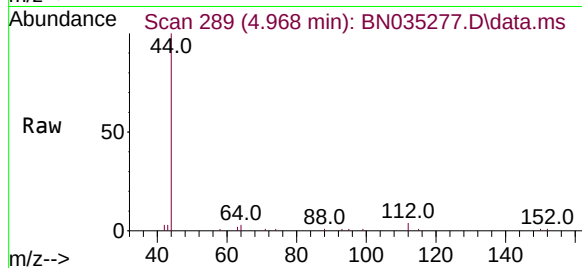
#4
2-Fluorophenol
Concen: 0.084 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 112 Resp: 56
Ion Ratio Lower Upper
112 100
64 49.9 40.4 60.6
63 32.1 23.8 35.8

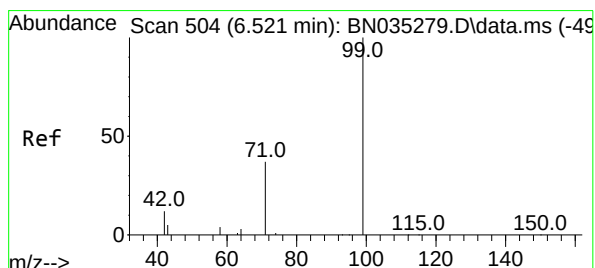
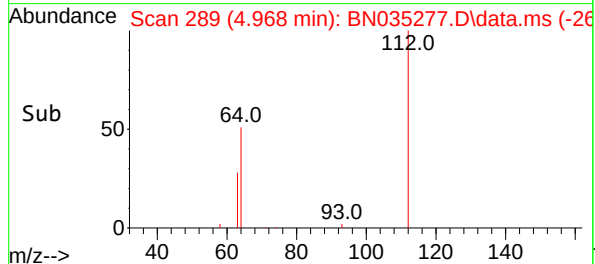
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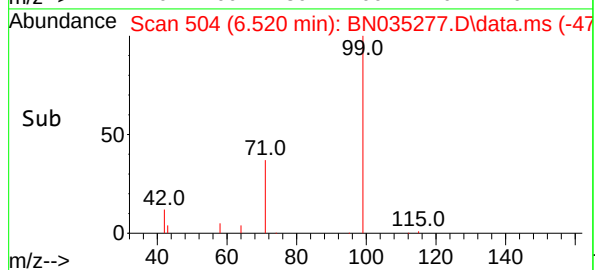
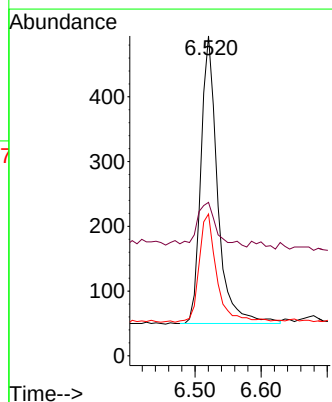
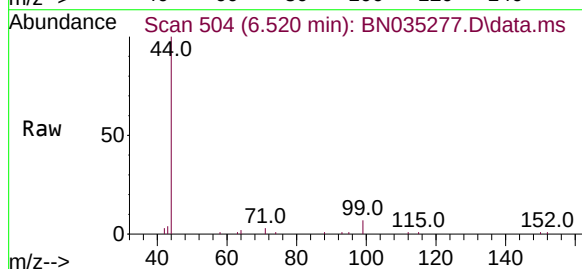
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Supervised By :mohammad
ahmed

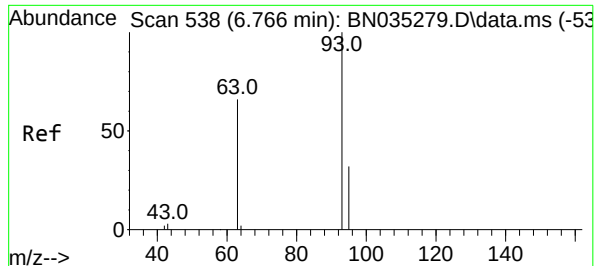
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#5
Phenol-d6
Concen: 0.094 ng
RT: 6.520 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion: 99 Resp: 781
Ion Ratio Lower Upper
99 100
42 18.4 12.8 19.2
71 39.8 31.4 47.2





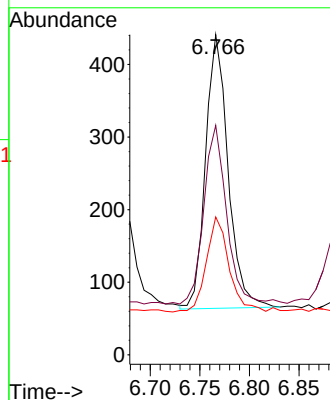
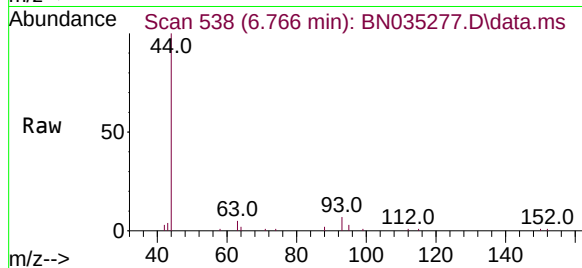
#6
bis(2-Chloroethyl)ether
Concen: 0.095 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 93 Resp: 599
Ion Ratio Lower Upper
93 100
63 66.6 52.3 78.5
95 35.0 25.5 38.3

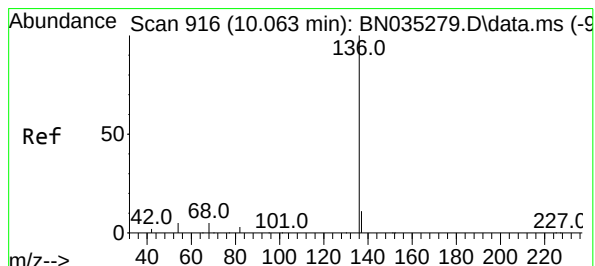
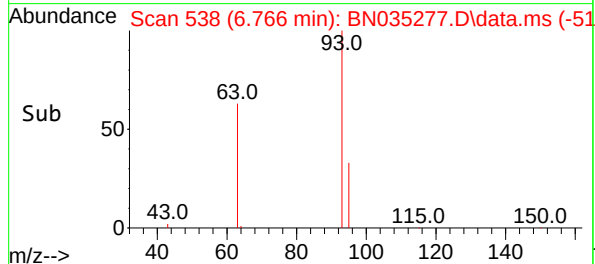
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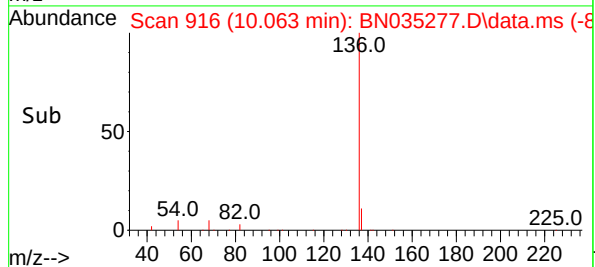
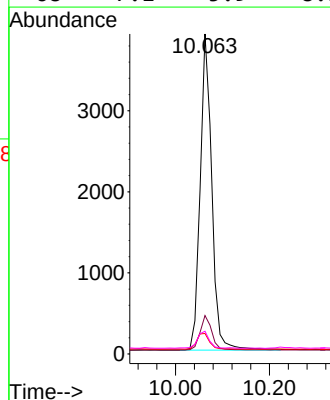
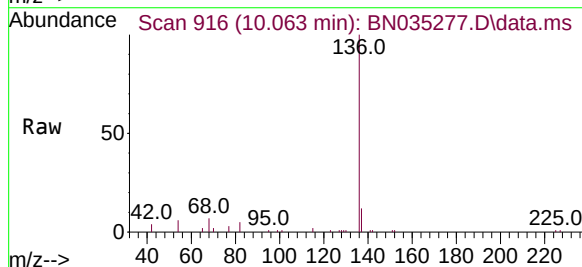
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Supervised By :mohammad
ahmed

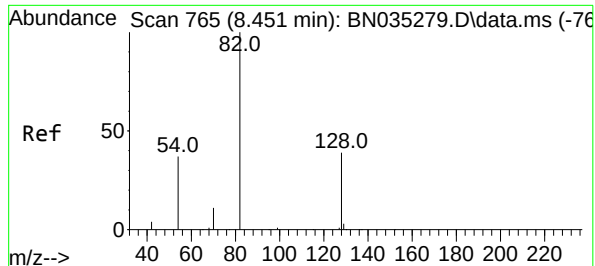
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:136 Resp: 6701
Ion Ratio Lower Upper
136 100
137 12.0 9.7 14.5
54 6.4 5.3 7.9
68 7.1 5.9 8.9





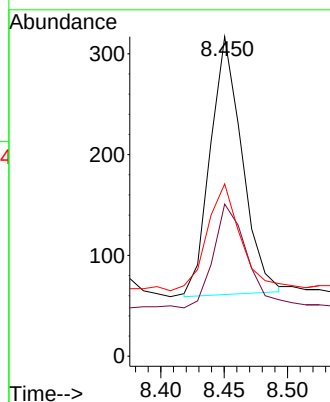
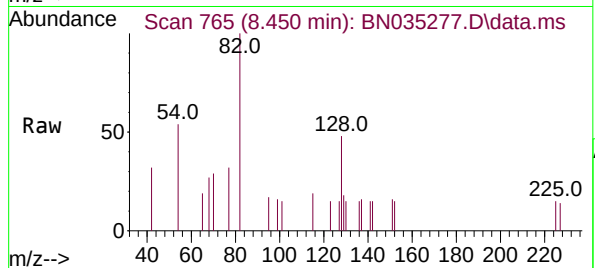
#8
Nitrobenzene-d5
Concen: 0.077 ng m
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 82 Resp: 44
Ion Ratio Lower Upper
82 100
128 47.6 33.0 49.4
54 53.9 33.3 49.9

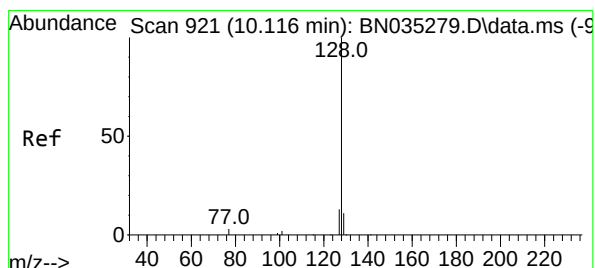
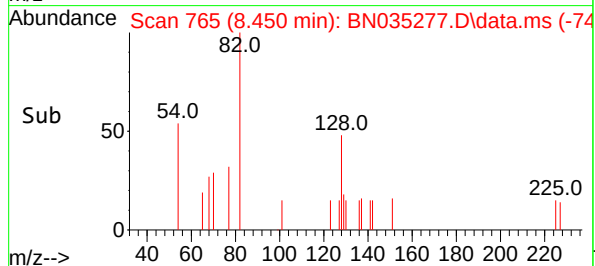
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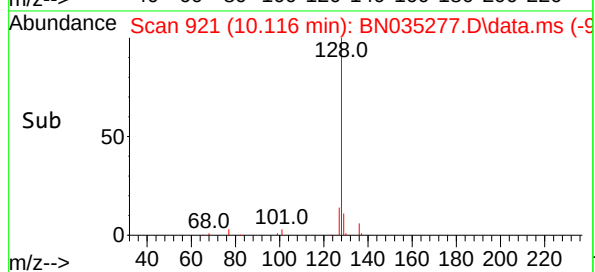
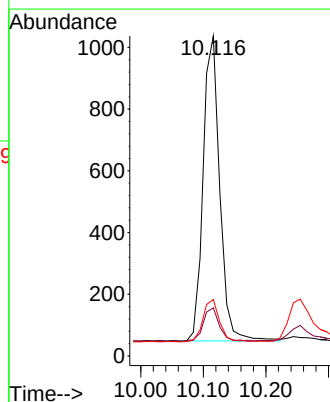
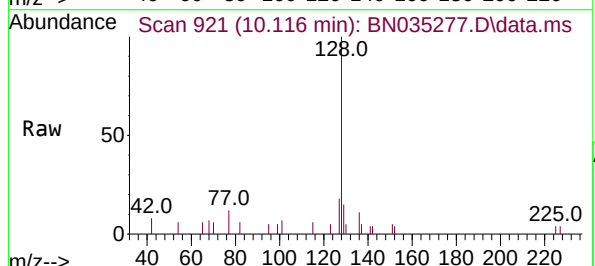
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Supervised By :mohammad
ahmed

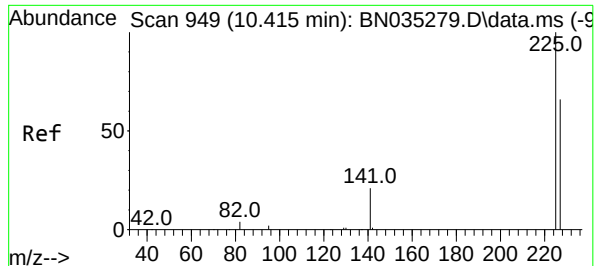
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#9
Naphthalene
Concen: 0.104 ng
RT: 10.116 min Scan# 921
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:128 Resp: 1817
Ion Ratio Lower Upper
128 100
129 15.0 9.6 14.4#
127 17.6 11.3 16.9#





#10

Hexachlorobutadiene

Concen: 0.092 ng

RT: 10.415 min Scan# 949

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

Tgt Ion:225 Resp: 47

Ion Ratio Lower Upper

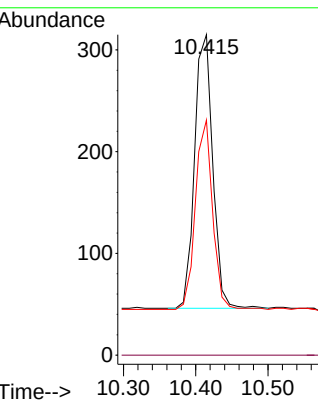
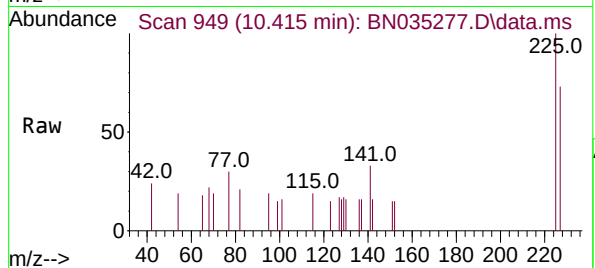
225 100

223 0.0 0.0 0.0

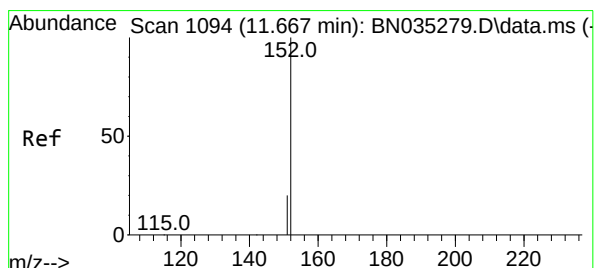
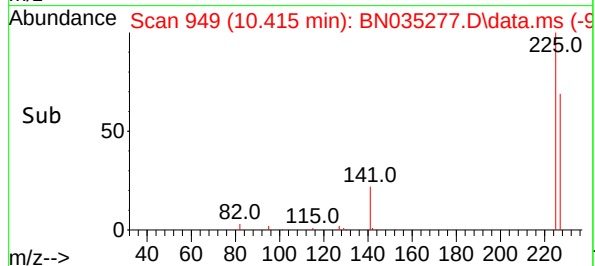
227 65.6 51.3 76.9

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ahmed

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#11

2-Methylnaphthalene-d10

Concen: 0.079 ng

RT: 11.670 min Scan# 1095

Delta R.T. 0.004 min

Lab File: BN035277.D

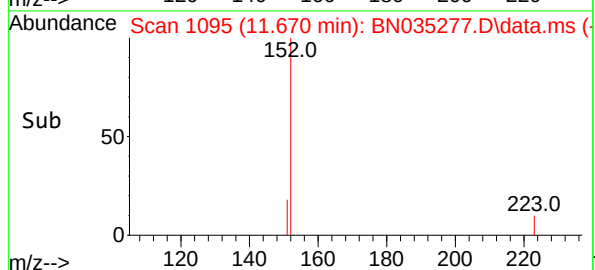
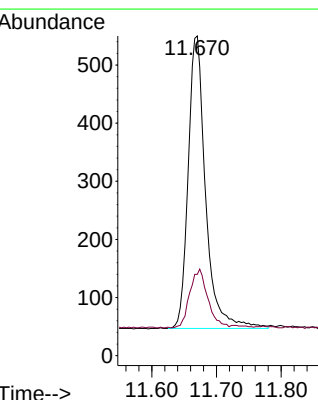
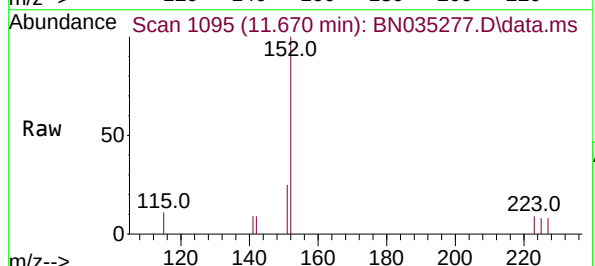
Acq: 25 Nov 2024 10:16

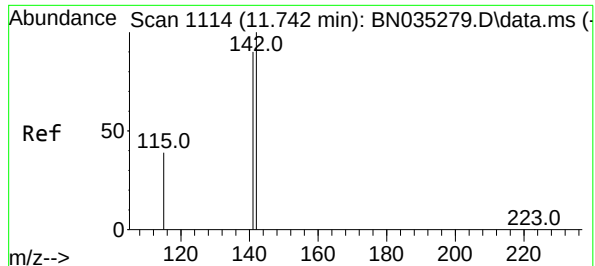
Tgt Ion:152 Resp: 939

Ion Ratio Lower Upper

152 100

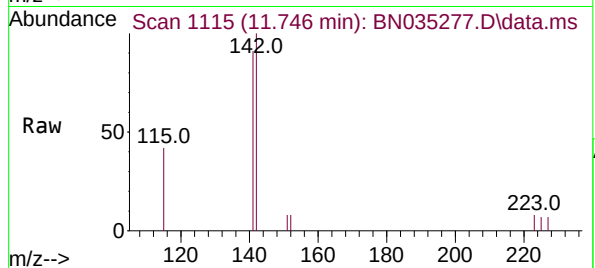
151 20.7 17.2 25.8





#12
2-Methylnaphthalene
Concen: 0.090 ng
RT: 11.746 min Scan# 1114
Delta R.T. 0.004 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

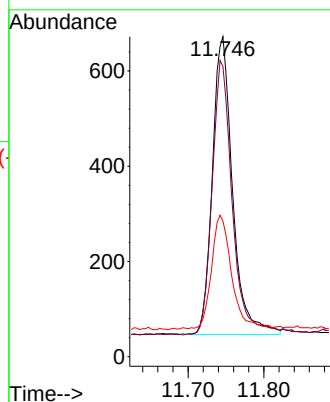
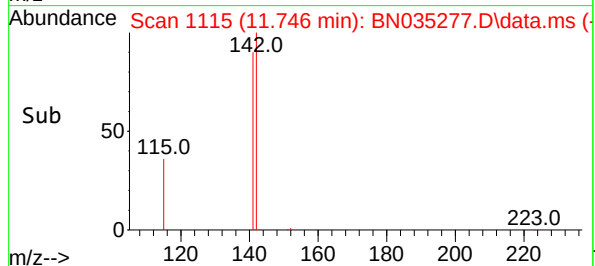
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:142 Resp: 1150
Ion Ratio Lower Upper
142 100
141 90.8 71.8 107.8
115 42.4 32.6 49.0

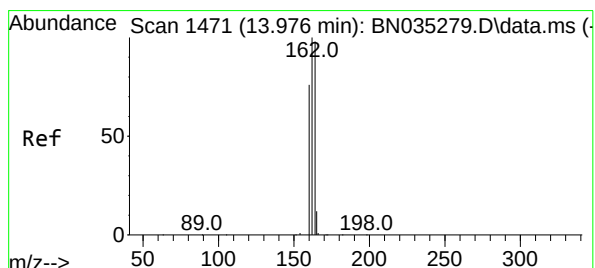
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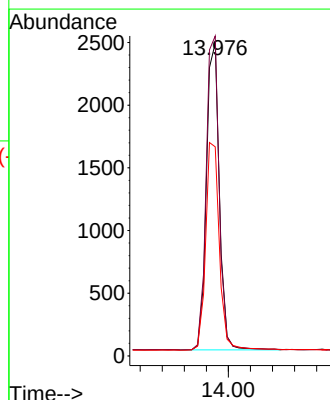
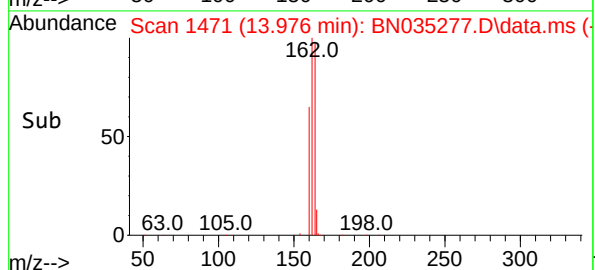
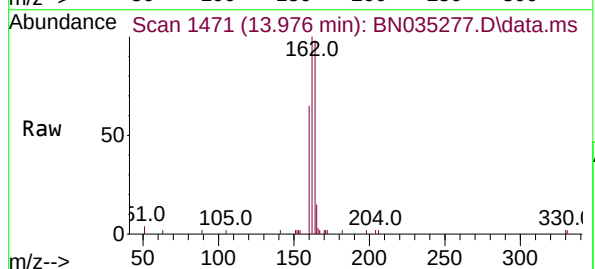
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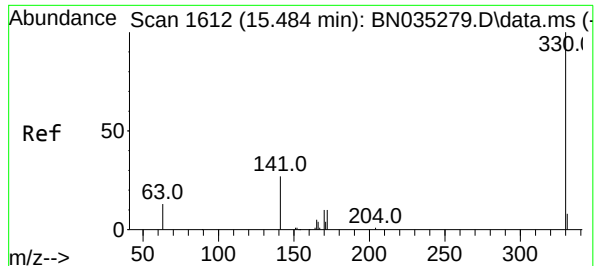
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:164 Resp: 3999
Ion Ratio Lower Upper
164 100
162 102.2 82.0 123.0
160 66.8 63.0 94.4





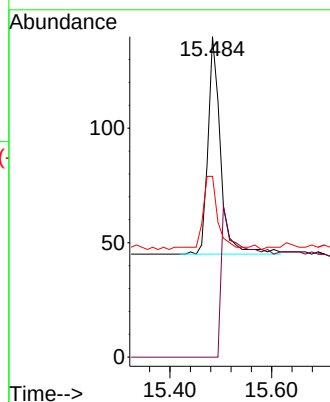
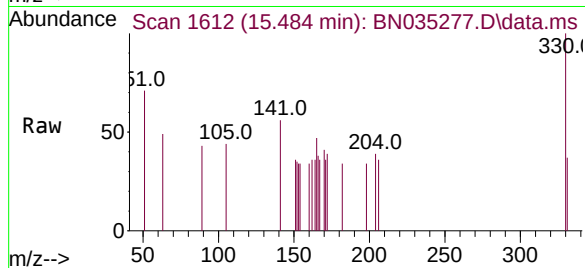
#14
2,4,6-Tribromophenol
Concen: 0.060 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:330 Resp: 174
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.5 32.4 48.6

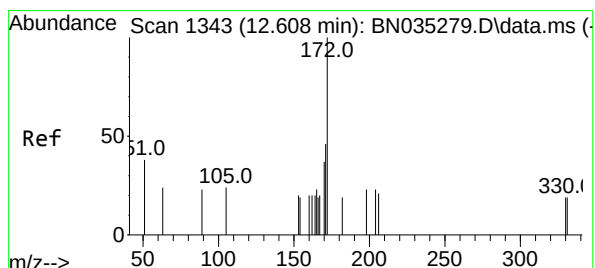
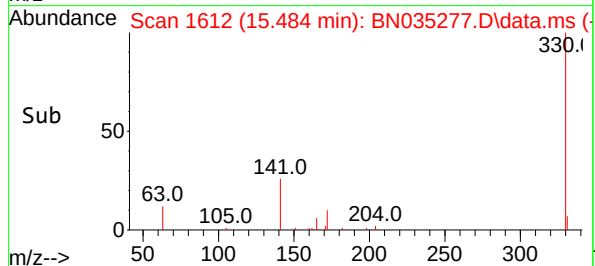
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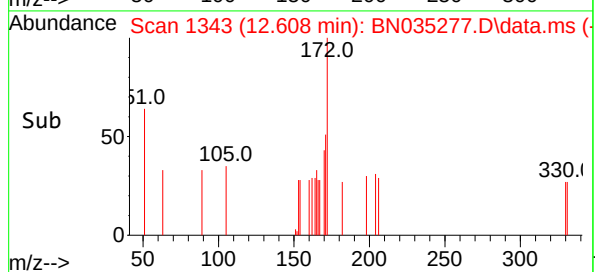
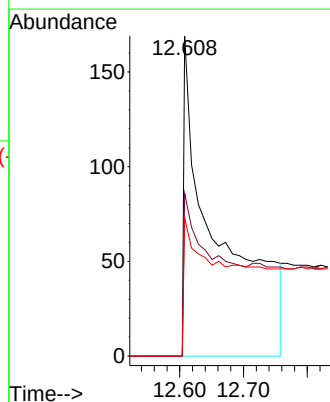
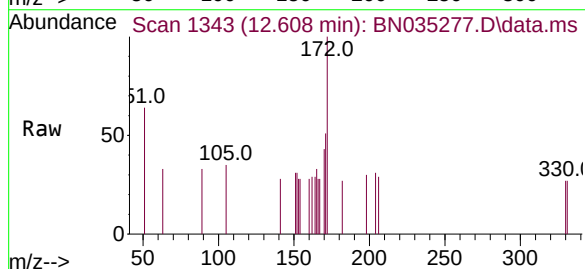
11/27/2024
Supervised By :mohammad
ahmed

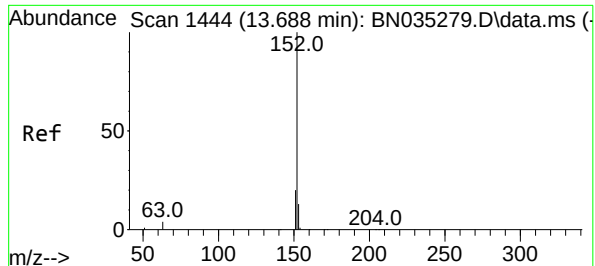
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#15
2-Fluorobiphenyl
Concen: 0.037 ng
RT: 12.608 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

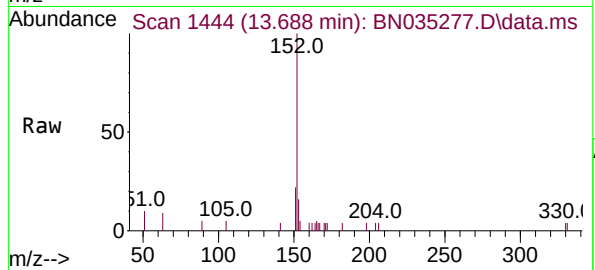
Tgt Ion:172 Resp: 595
Ion Ratio Lower Upper
172 100
171 50.9 36.6 55.0
170 43.2 29.7 44.5





#16
Acenaphthylene
Concen: 0.109 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

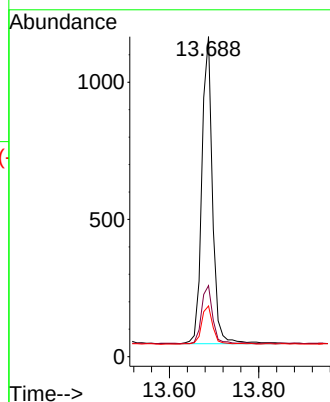
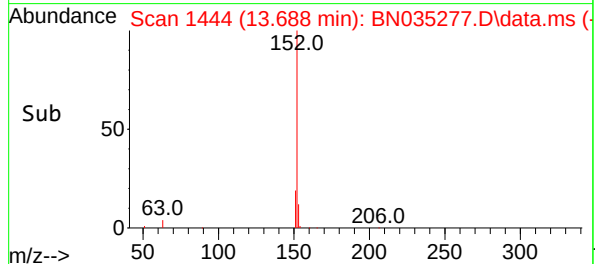
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:152 Resp: 1859
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 13.4 10.2 15.4

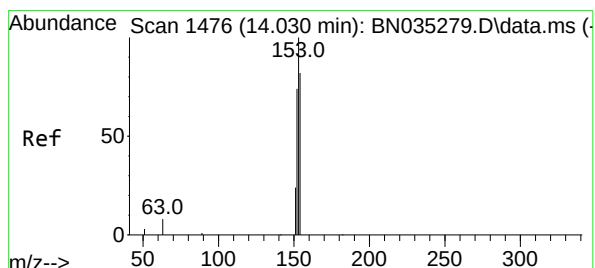
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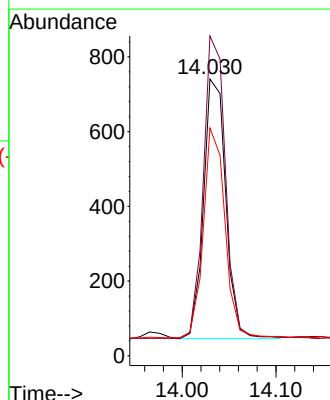
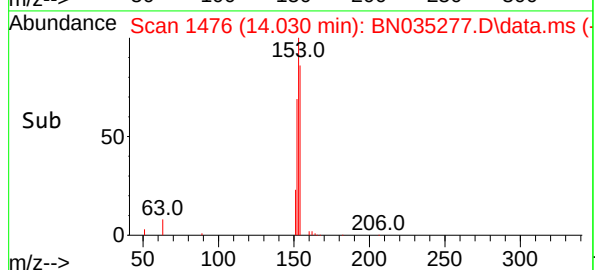
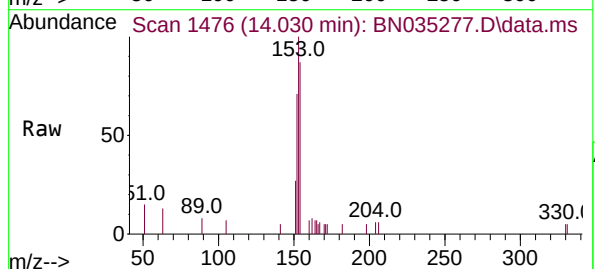
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Supervised By :mohammad
ahmed

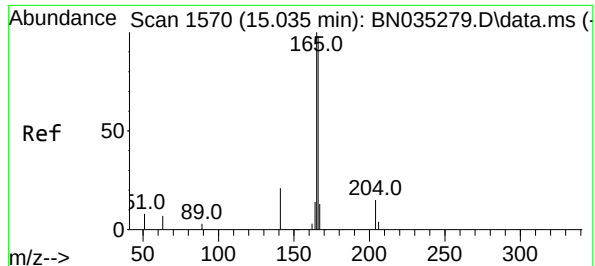
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#17
Acenaphthene
Concen: 0.102 ng
RT: 14.030 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

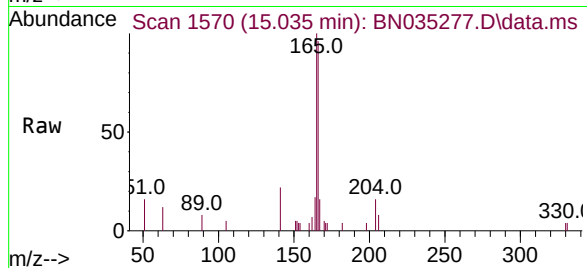
Tgt Ion:154 Resp: 1144
Ion Ratio Lower Upper
154 100
153 115.4 96.1 144.1
152 78.8 72.2 108.2





#18
Fluorene
Concen: 0.093 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

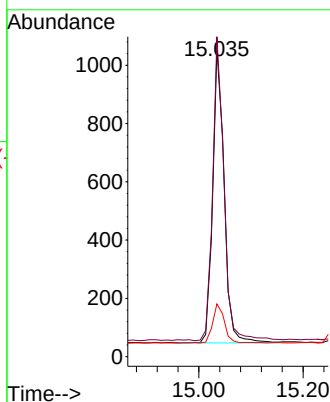
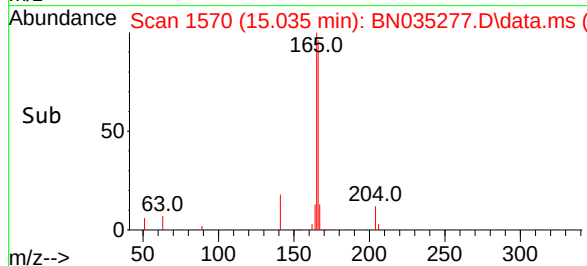
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:166 Resp: 1538
Ion Ratio Lower Upper
166 100
165 101.9 81.2 121.8
167 13.8 10.5 15.7

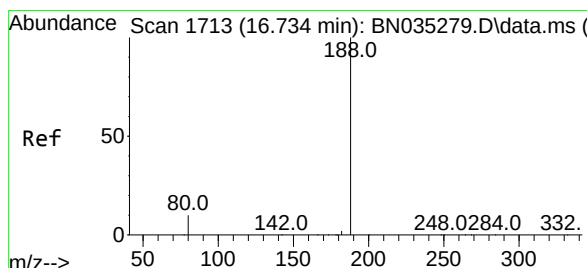
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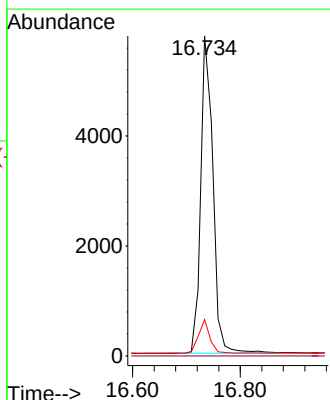
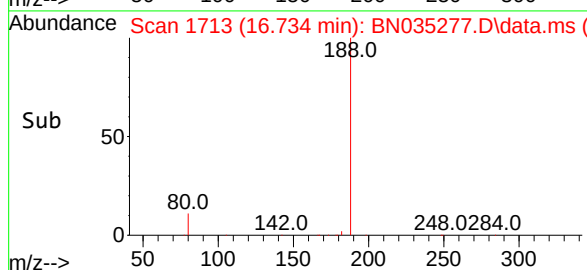
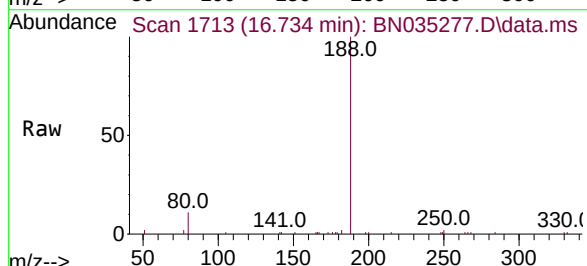
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Supervised By :mohammad
ahmed

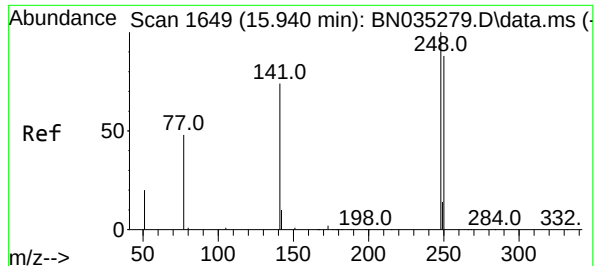
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

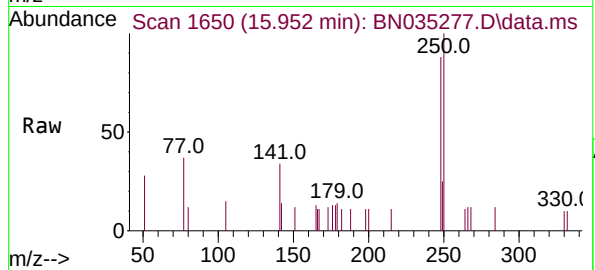
Tgt Ion:188 Resp: 9103
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 8.9 13.3





#21
4-Bromophenyl-phenylether
Concen: 0.097 ng
RT: 15.952 min Scan# 1650
Delta R.T. 0.012 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

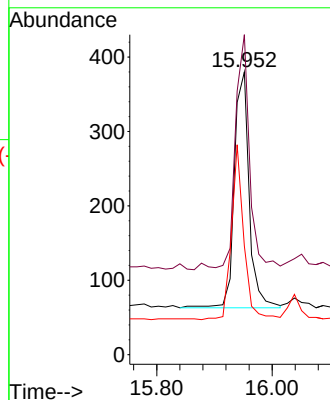
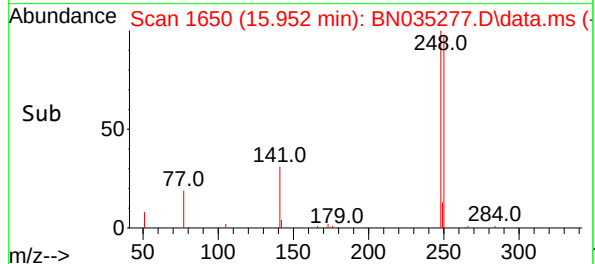
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion: 248 Resp: 568
Ion Ratio Lower Upper
248 100
250 113.2 74.8 112.2
141 38.4 59.0 88.4

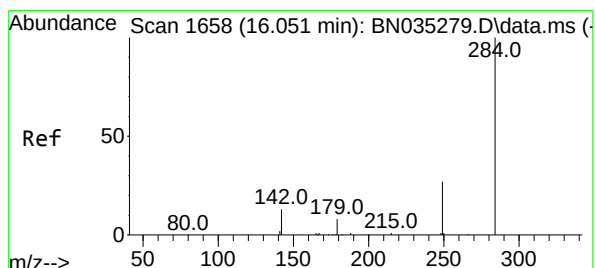
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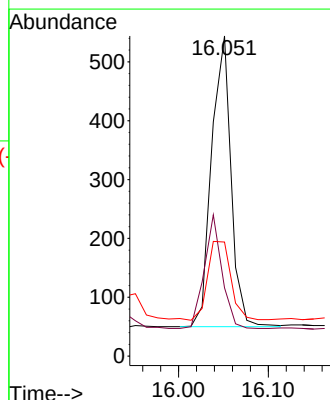
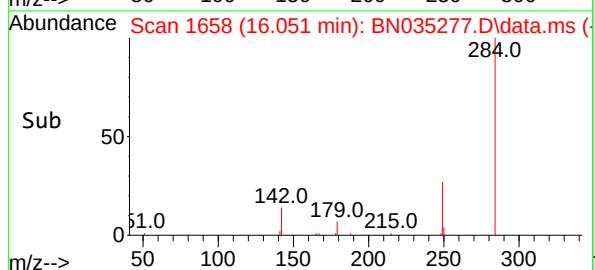
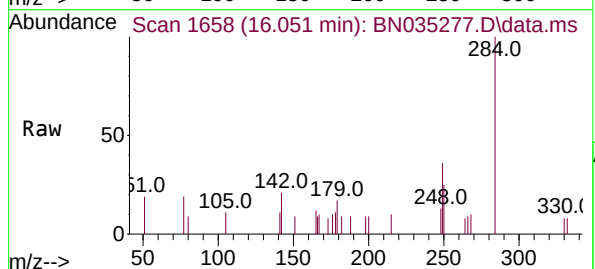
11/27/2024
Supervised By : mohammad
ahmed

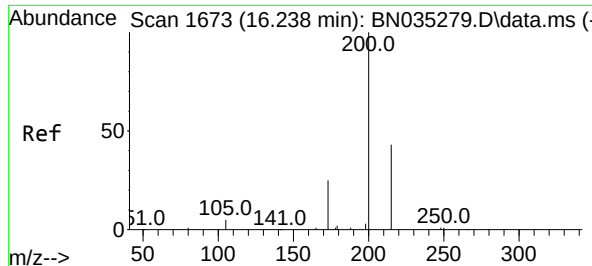
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#22
Hexachlorobenzene
Concen: 0.123 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

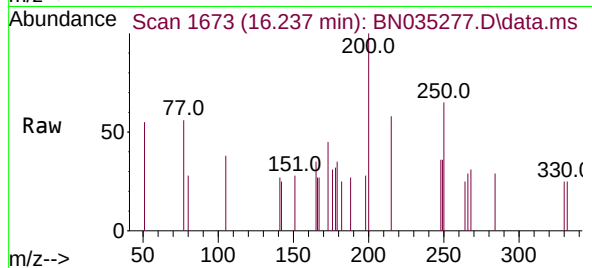
Tgt Ion: 284 Resp: 743
Ion Ratio Lower Upper
284 100
142 35.4 28.7 43.1
249 33.1 25.4 38.0





#23
Atrazine
Concen: 0.040 ng
RT: 16.237 min Scan# 1673
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

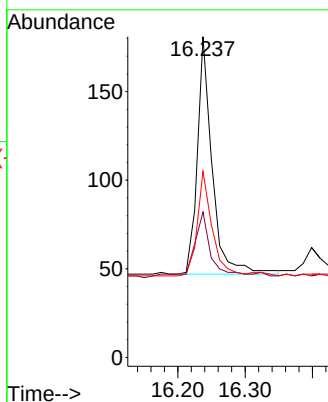
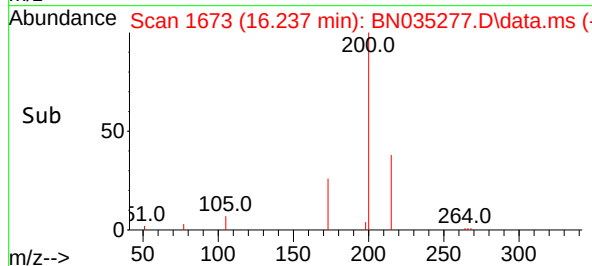
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:200 Resp: 200
Ion Ratio Lower Upper
200 100
173 45.3 25.8 38.8
215 58.0 38.6 58.0

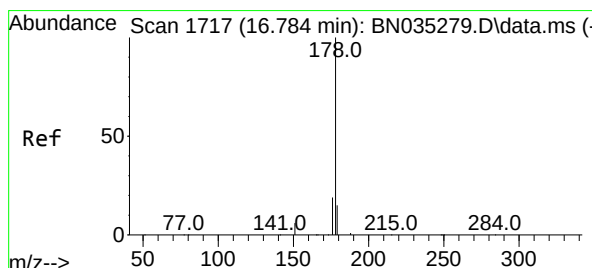
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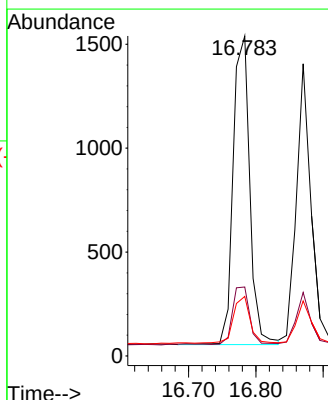
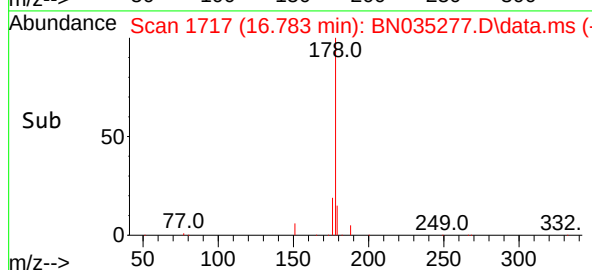
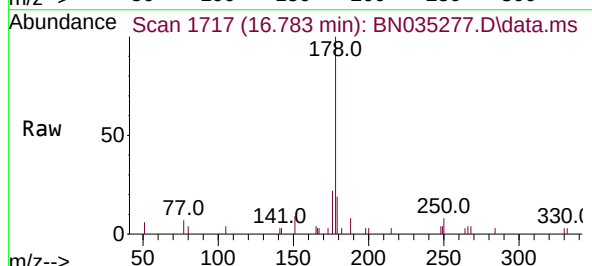
11/27/2024
Supervised By :mohammad
ahmed

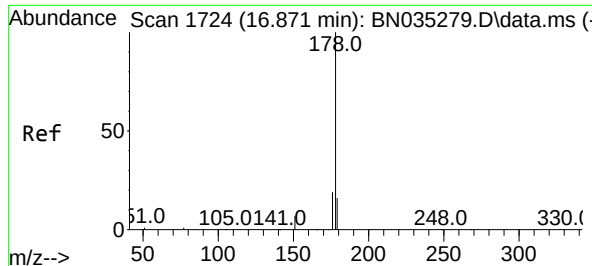
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#25
Phenanthrene
Concen: 0.107 ng
RT: 16.783 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

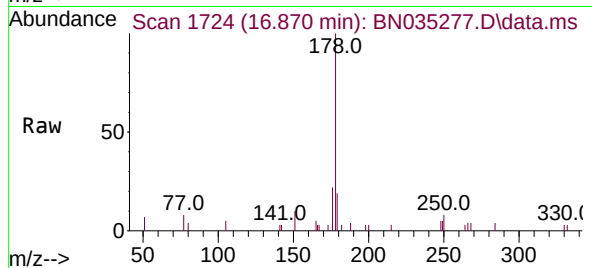
Tgt Ion:178 Resp: 2552
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.2 12.6 18.8





#26
Anthracene
Concen: 0.093 ng
RT: 16.870 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

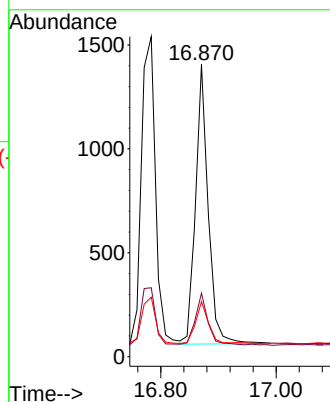
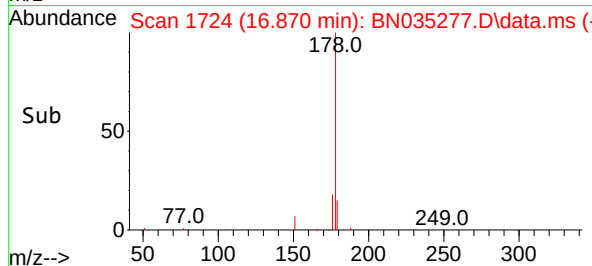
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:178 Resp: 205
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 15.9 12.4 18.6

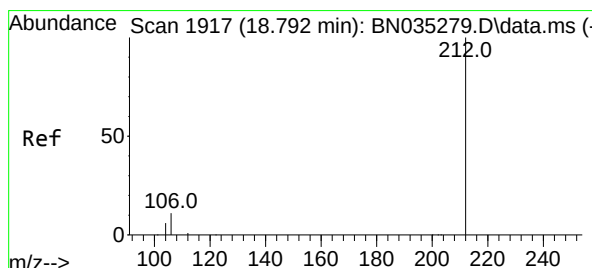
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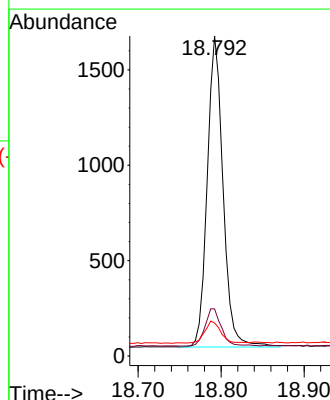
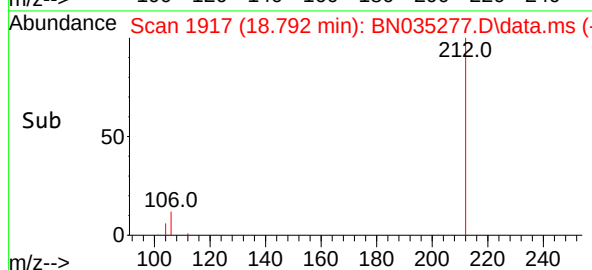
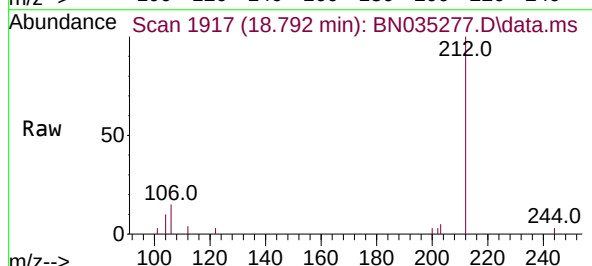
11/27/2024
Supervised By :mohammad
ahmed

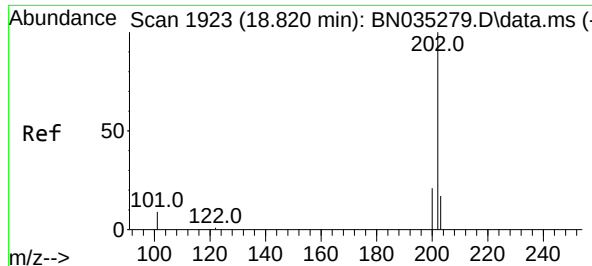
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#27
Fluoranthene-d10
Concen: 0.078 ng
RT: 18.792 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

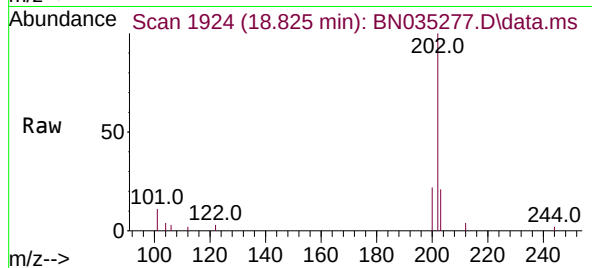
Tgt Ion:212 Resp: 2168
Ion Ratio Lower Upper
212 100
106 12.5 9.8 14.8
104 7.1 5.6 8.4





#28
Fluoranthene
Concen: 0.086 ng
RT: 18.825 min Scan# 1924
Delta R.T. 0.004 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

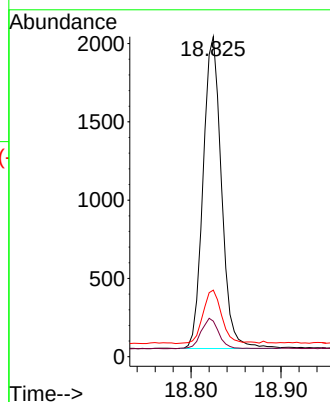
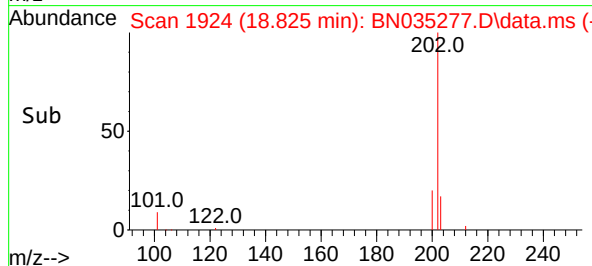
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:202 Resp: 2840
Ion Ratio Lower Upper
202 100
101 9.6 7.6 11.4
203 17.6 13.8 20.8

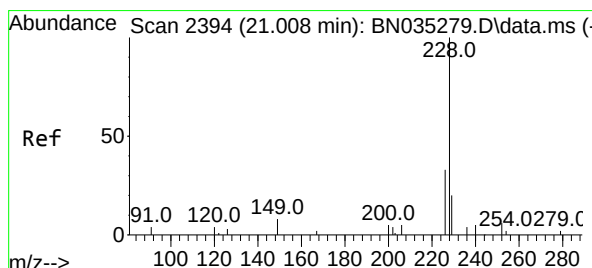
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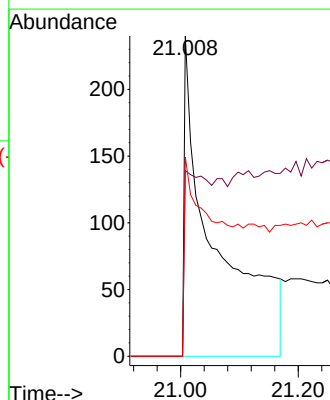
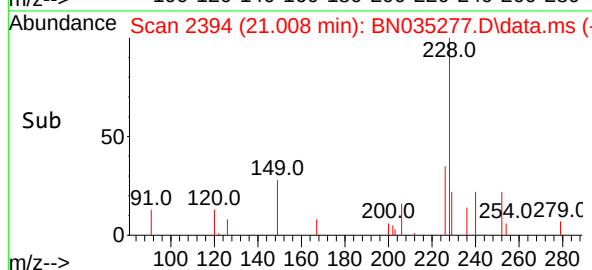
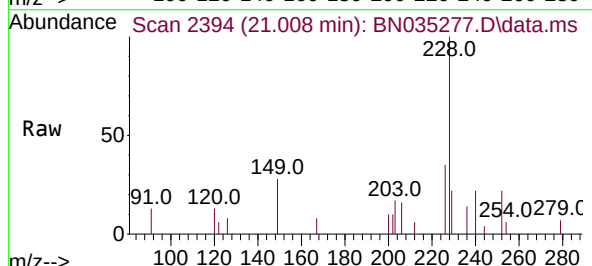
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Supervised By :mohammad
ahmed

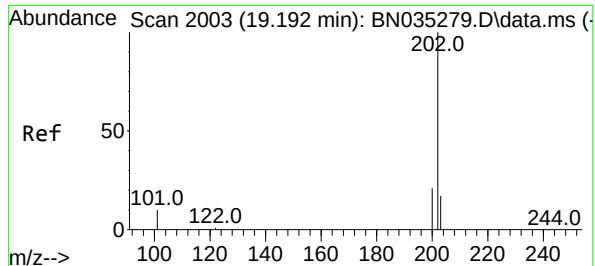
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#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

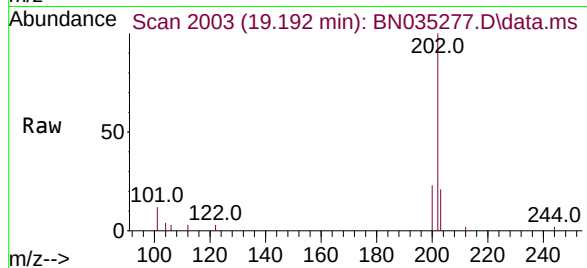
Tgt Ion:240 Resp: 834
Ion Ratio Lower Upper
240 100
120 57.9 54.9 82.3
236 62.1 54.0 81.0





#30
Pyrene
Concen: 1.019 ng
RT: 19.192 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

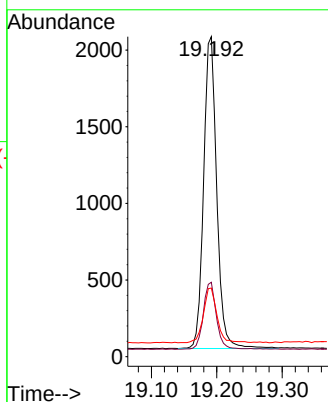
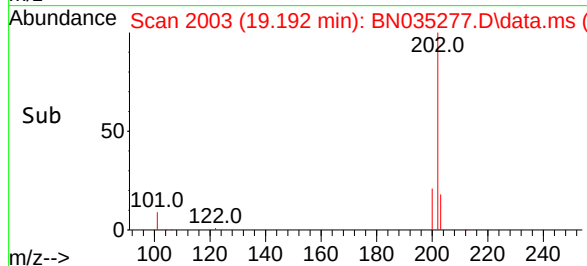
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:202 Resp: 2830
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 17.9 14.4 21.6

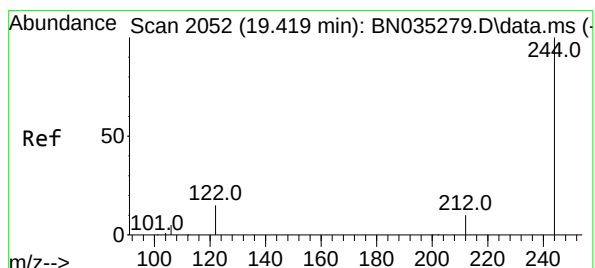
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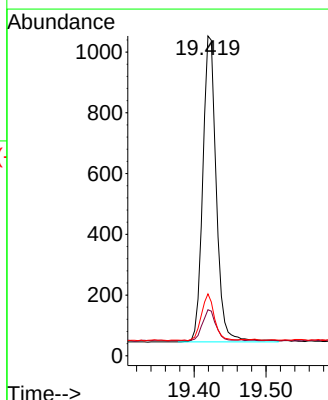
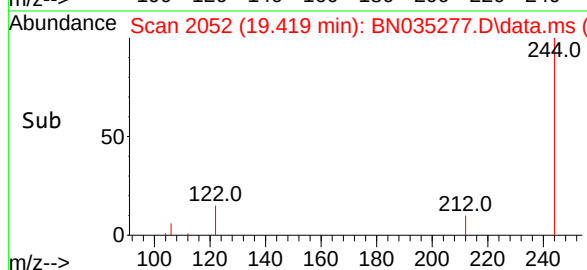
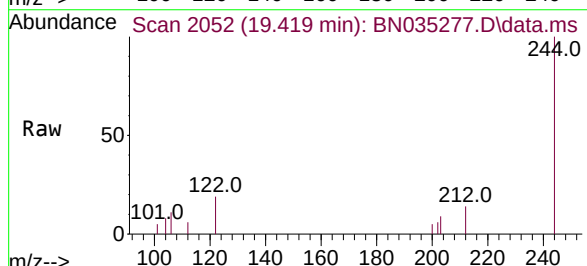
11/27/2024
Supervised By :mohammad
ahmed

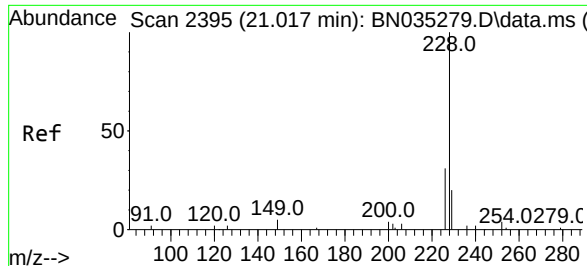
11/27/2024



#31
Terphenyl-d14
Concen: 0.749 ng
RT: 19.419 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

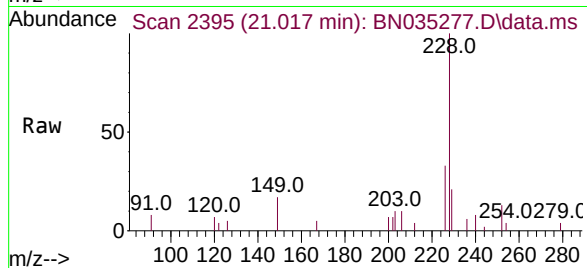
Tgt Ion:244 Resp: 1310
Ion Ratio Lower Upper
244 100
212 14.4 9.4 14.0#
122 19.4 13.0 19.4





#32
Benzo(a)anthracene
Concen: 0.933 ng
RT: 21.017 min Scan# 2109
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

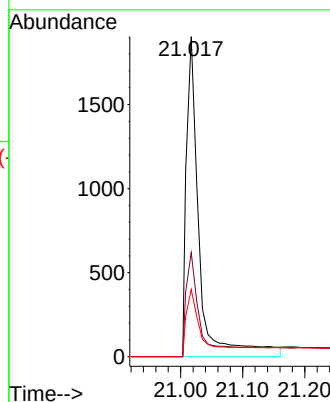
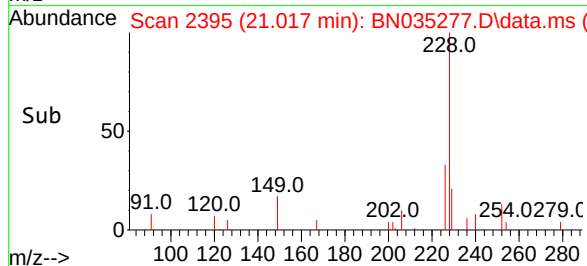
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:228 Resp: 2709
Ion Ratio Lower Upper
228 100
226 32.5 24.7 37.1
229 21.0 16.2 24.2

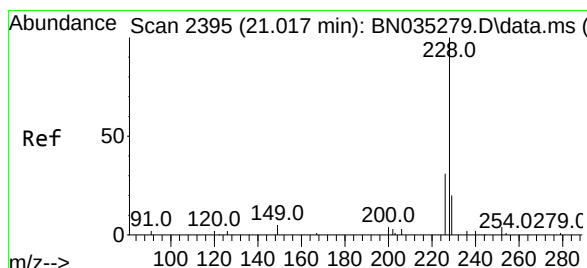
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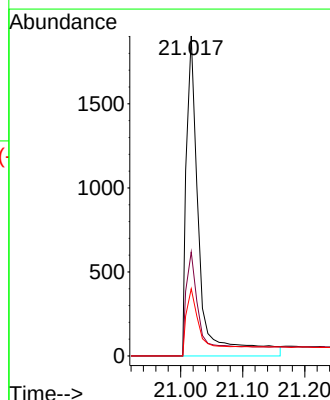
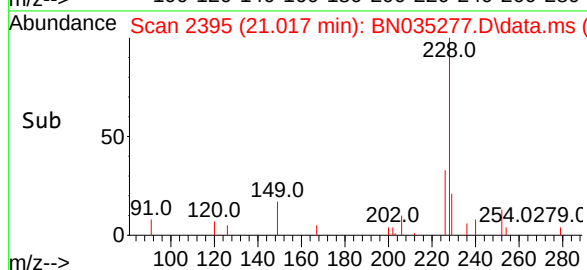
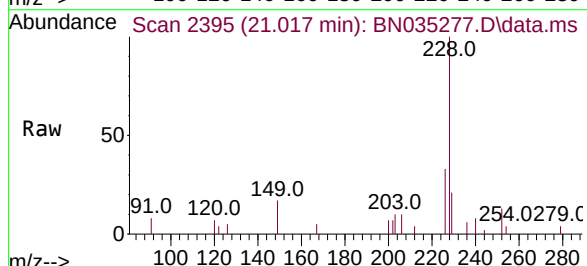
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ahmed

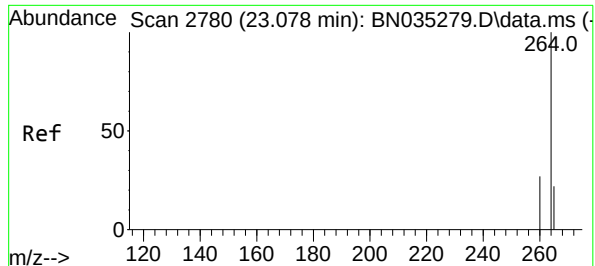
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#33
Chrysene
Concen: 0.942 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

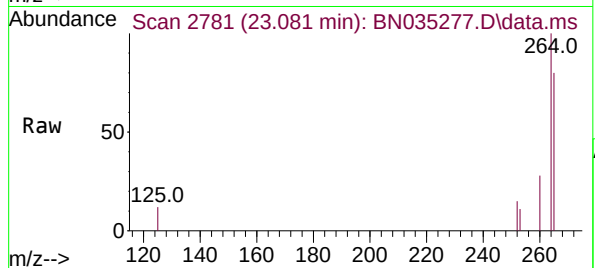
Tgt Ion:228 Resp: 2709
Ion Ratio Lower Upper
228 100
226 32.5 24.7 37.1
229 21.0 16.2 24.2





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

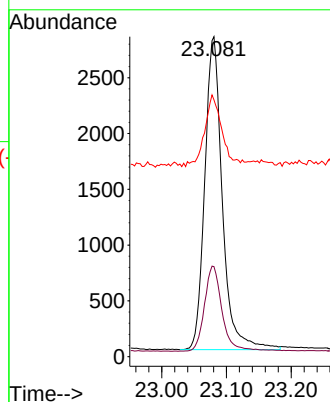
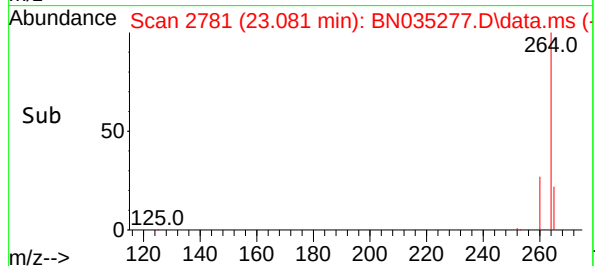
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:264 Resp: 5298
Ion Ratio Lower Upper
264 100
260 28.1 22.3 33.5
265 80.3 68.6 103.0

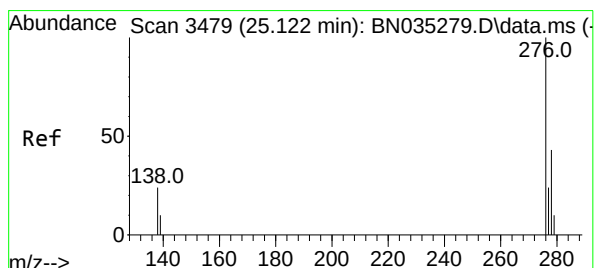
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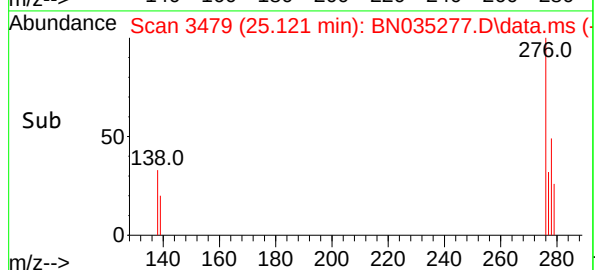
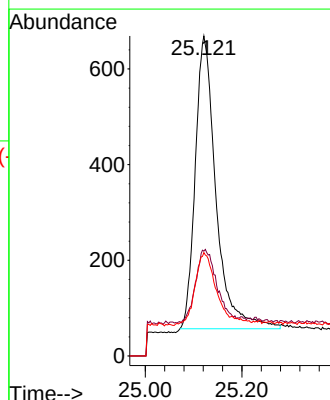
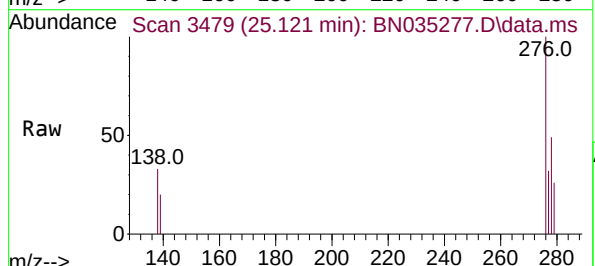
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Supervised By :mohammad
ahmed

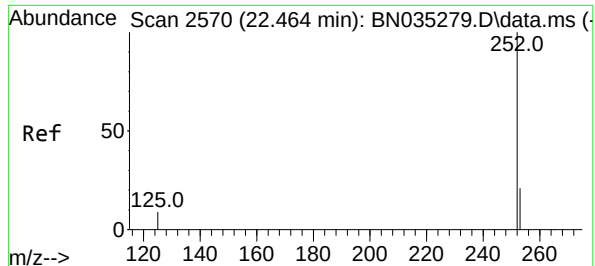
11/27/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.086 ng
RT: 25.121 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:276 Resp: 1824
Ion Ratio Lower Upper
276 100
138 21.8 18.8 28.2
277 22.8 18.2 27.4





#37

Benzo(b)fluoranthene

Concen: 0.112 ng

RT: 22.464 min Scan# 2570

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

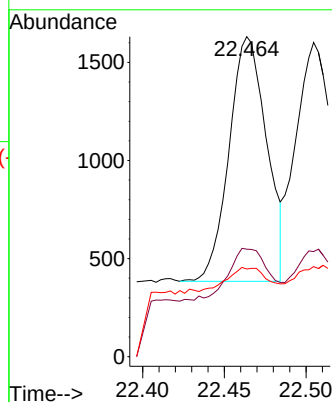
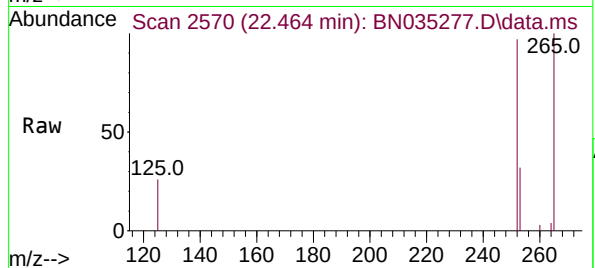
Instrument :

BNA_N

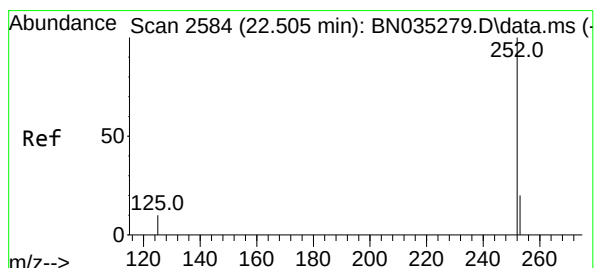
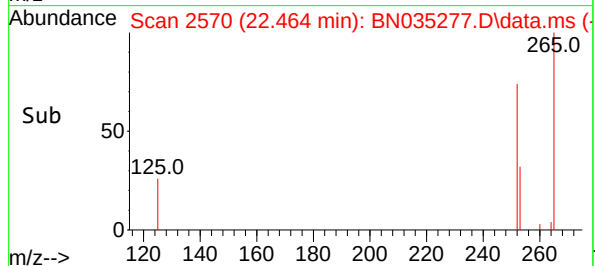
ClientSampleId :

SSTDICC0.1

Tgt Ion:252	Resp:	199
Ion Ratio	Lower	Upper
252	100	
253	33.6	20.2 30.2
125	27.4	12.0 18.0

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Patel11/27/2024
Supervised By :mohammad
ahmed

11/27/2024



#38

Benzo(k)fluoranthene

Concen: 0.116 ng

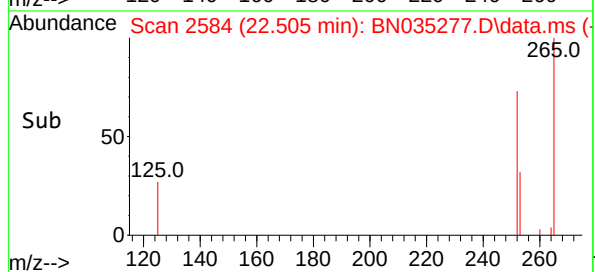
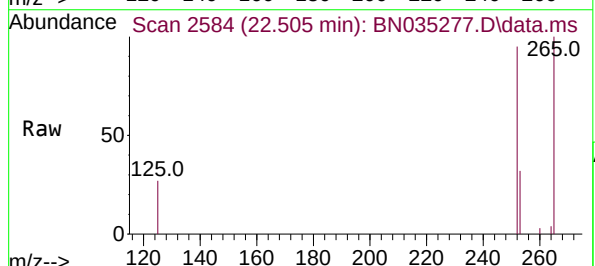
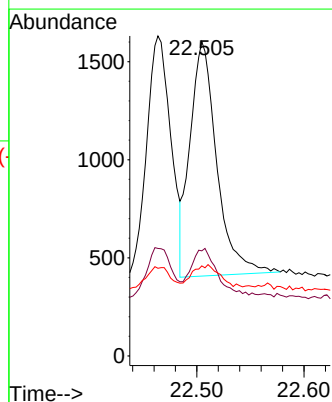
RT: 22.505 min Scan# 2584

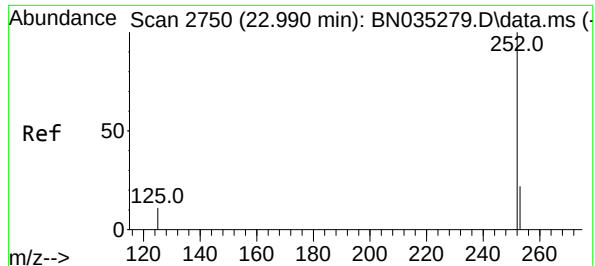
Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

Tgt Ion:252	Resp:	2076
Ion Ratio	Lower	Upper
252	100	
253	33.5	20.1 30.1#
125	28.7	12.7 19.1#





#39

Benzo(a)pyrene

Concen: 0.101 ng

RT: 22.987 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

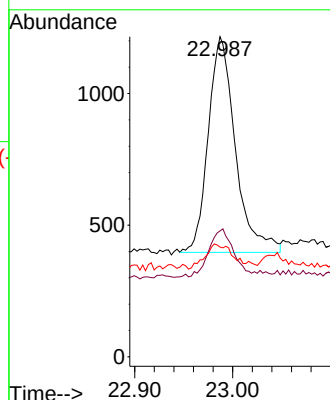
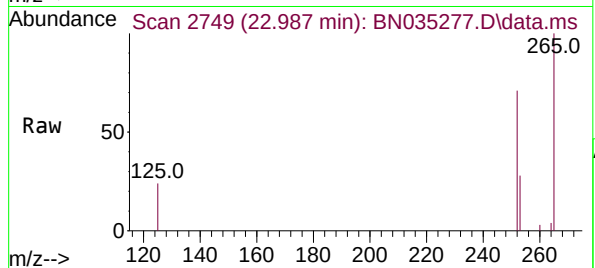
Instrument :

BNA_N

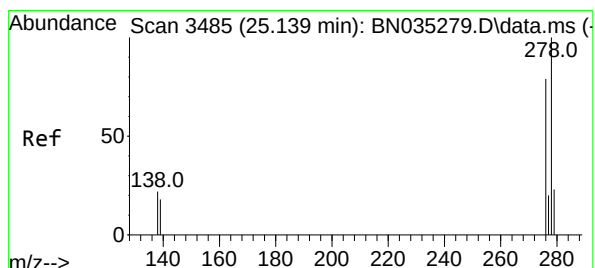
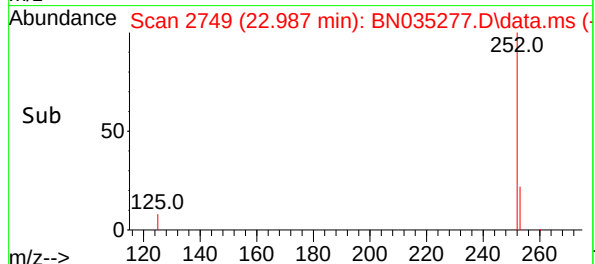
ClientSampleId :

SSTDICC0.1

Tgt Ion:252	Resp:	1578
Ion Ratio	Lower	Upper
252	100	
253	39.3	22.3 33.5
125	34.3	15.3 22.9

Manual Integrations
APPROVEDReviewed By :Yogesh
Patel11/27/2024
Supervised By :mohammad
ahmed

11/27/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.076 ng

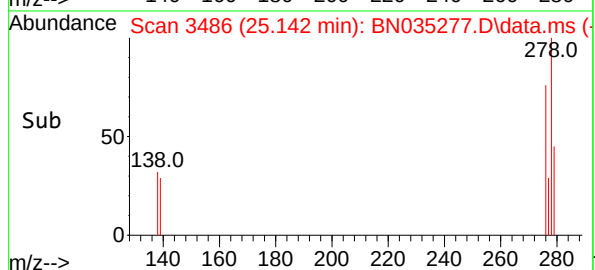
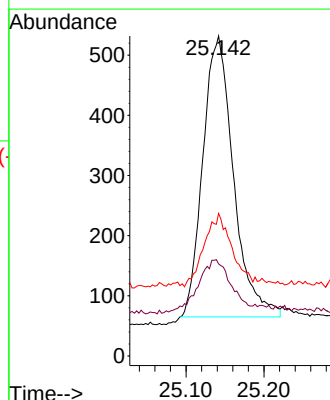
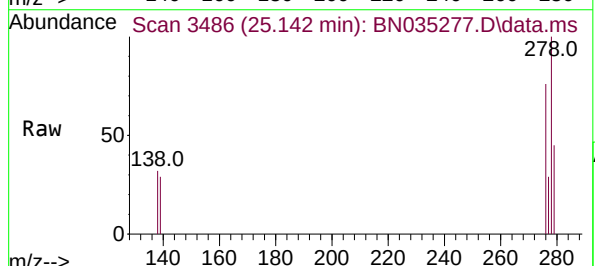
RT: 25.142 min Scan# 3486

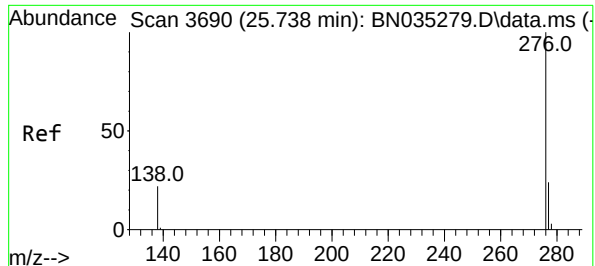
Delta R.T. 0.003 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

Tgt Ion:278	Resp:	1273
Ion Ratio	Lower	Upper
278	100	
139	28.8	17.0 25.6
279	44.5	23.0 34.4





#41

Benzo(g,h,i)perylene

Concen: 0.096 ng

RT: 25.738 min Scan# 30

Delta R.T. -0.000 min

Lab File: BN035277.D

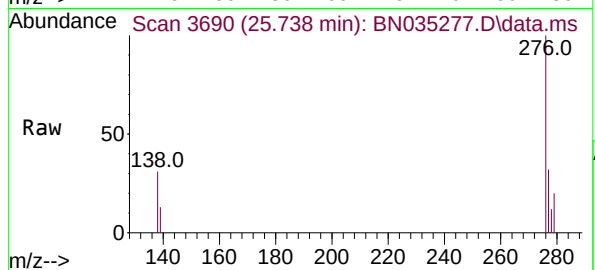
Acq: 25 Nov 2024 10:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1



Tgt Ion:276 Resp: 1710

Ion Ratio Lower Upper

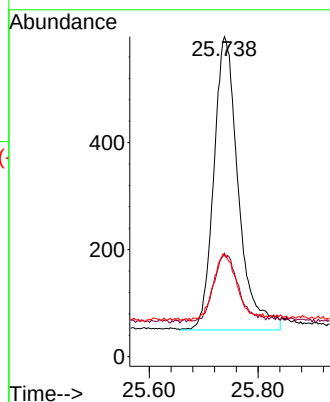
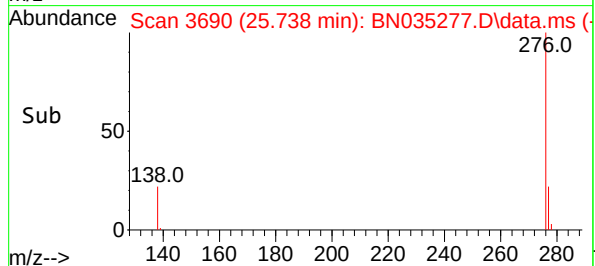
276 100

277 32.3 21.1 31.7

138 31.4 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel

11/27/2024

Supervised By :mohammad
ahmed

11/27/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035278.D
 Acq On : 25 Nov 2024 10:52
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 25 14:18:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 25 14:16:35 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	2248	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	5670	0.400	ng	0.00
13) Acenaphthene-d10	13.976	164	3200	0.400	ng	0.00
19) Phenanthrene-d10	16.734	188	7531	0.400	ng	0.00
29) Chrysene-d12	21.008	240	797	0.400	ng	0.00
35) Perylene-d12	23.084	264	4527	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	891	0.156	ng	0.00
5) Phenol-d6	6.520	99	1264	0.177	ng	0.00
8) Nitrobenzene-d5	8.450	82	771m	0.156	ng	0.00
11) 2-Methylnaphthalene-d10	11.666	152	1506	0.149	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	279	0.121	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	679	0.052	ng	0.00
27) Fluoranthene-d10	18.792	212	3625	0.157	ng	0.00
31) Terphenyl-d14	19.424	244	2197	1.314	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.003	88	310	0.152	ng	# 75
3) n-Nitrosodimethylamine	3.299	42	314	0.165	ng	# 82
6) bis(2-Chloroethyl)ether	6.766	93	978	0.182	ng	98
9) Naphthalene	10.116	128	2990	0.202	ng	96
10) Hexachlorobutadiene	10.415	225	818	0.189	ng	# 98
12) 2-Methylnaphthalene	11.742	142	1929	0.177	ng	97
16) Acenaphthylene	13.688	152	2991	0.219	ng	99
17) Acenaphthene	14.040	154	1852	0.207	ng	97
18) Fluorene	15.035	166	2587	0.196	ng	98
20) 4,6-Dinitro-2-methylph...	15.131	198	102	0.065	ng	# 49
21) 4-Bromophenyl-phenylether	15.952	248	888	0.185	ng	# 70
22) Hexachlorobenzene	16.051	284	1264	0.254	ng	98
23) Atrazine	16.237	200	357	0.083	ng	92
24) Pentachlorophenol	16.399	266	252	0.108	ng	97
25) Phenanthrene	16.783	178	4155	0.210	ng	100
26) Anthracene	16.870	178	3384	0.186	ng	99
28) Fluoranthene	18.825	202	4828	0.177	ng	100
30) Pyrene	19.192	202	4697	1.770	ng	99
32) Benzo(a)anthracene	21.017	228	4459	1.607	ng	99
33) Chrysene	21.017	228	4459	1.622	ng	99
34) Bis(2-ethylhexyl)phtha...	21.017	149	696	0.478	ng	# 92
36) Indeno(1,2,3-cd)pyrene	25.121	276	3191	0.177	ng	99
37) Benzo(b)fluoranthene	22.467	252	3513	0.231	ng	# 90
38) Benzo(k)fluoranthene	22.505	252	3588	0.235	ng	# 90
39) Benzo(a)pyrene	22.990	252	2673	0.199	ng	# 87
40) Dibenzo(a,h)anthracene	25.142	278	2328	0.163	ng	# 90
41) Benzo(g,h,i)perylene	25.741	276	2967	0.195	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

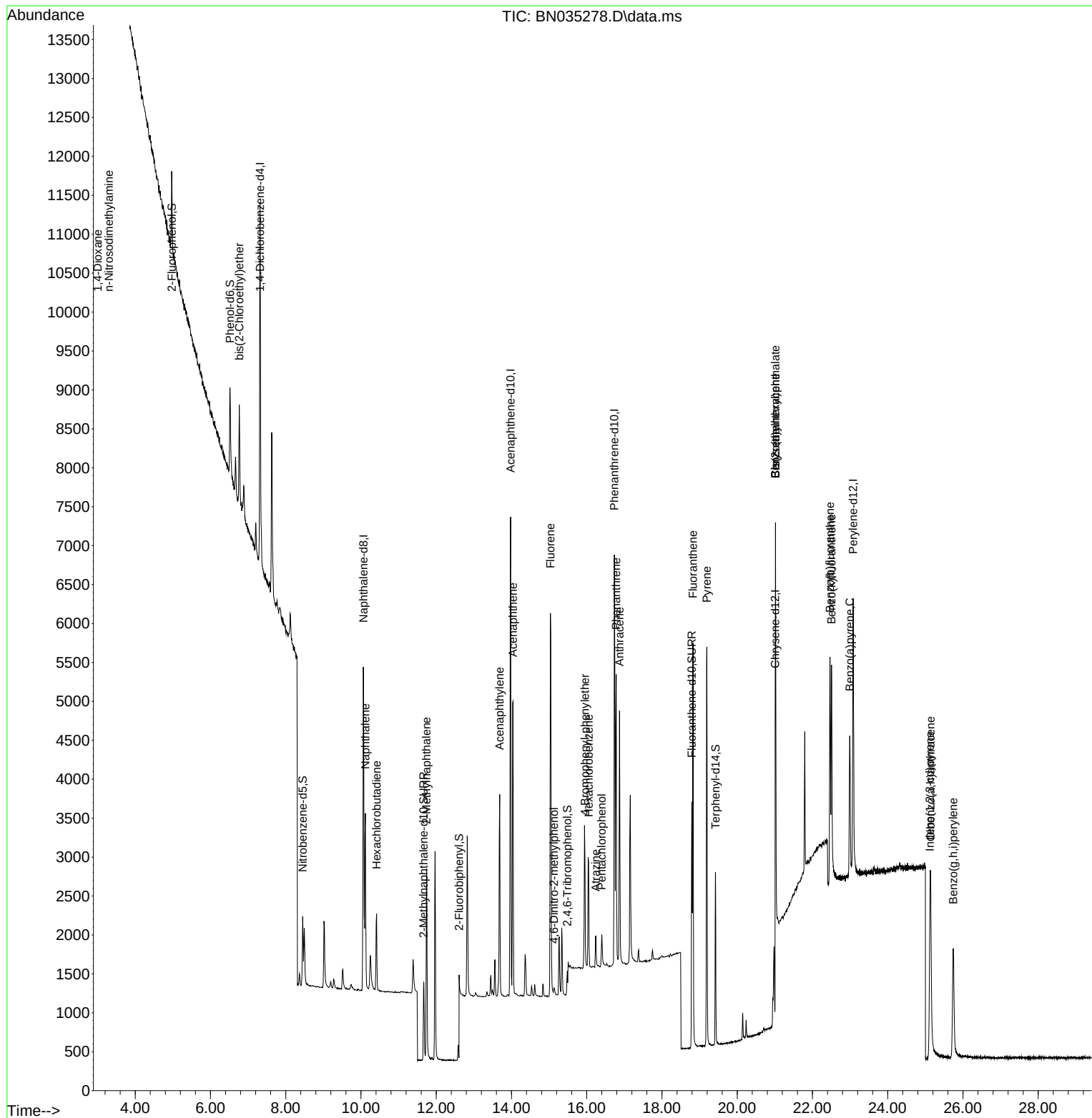
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Data File : BN035278.D
Acq On : 25 Nov 2024 10:52
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 53 Sample Multiplier: 1

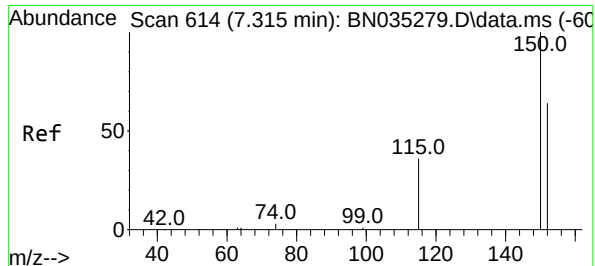
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 25 14:18:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

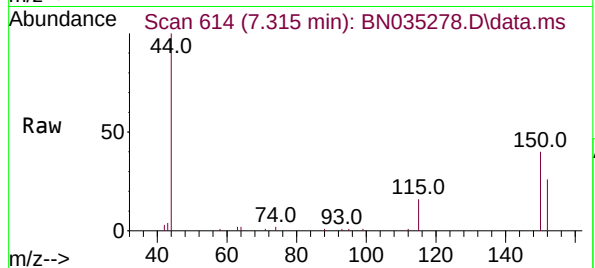
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 614
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

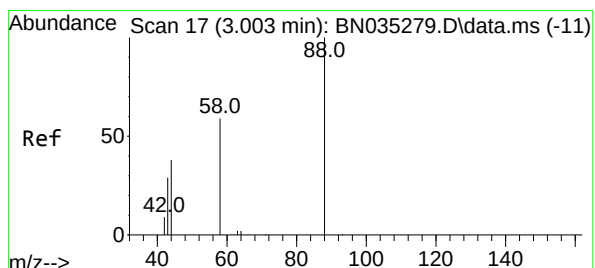
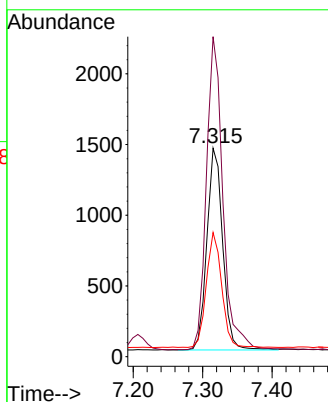
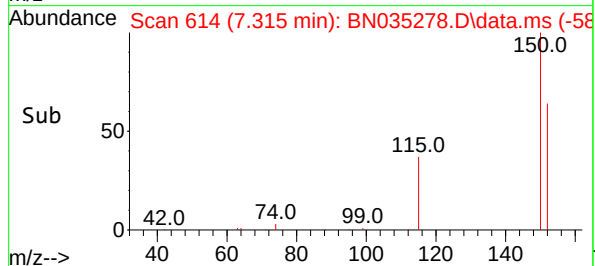
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion: 152 Resp: 2248
Ion Ratio Lower Upper
152 100
150 153.5 124.5 186.7
115 59.6 47.8 71.8

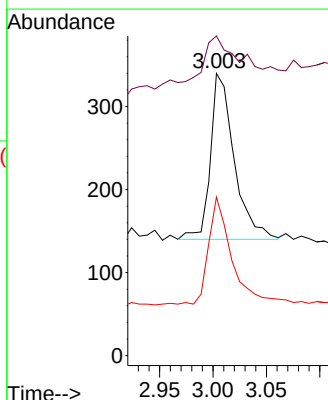
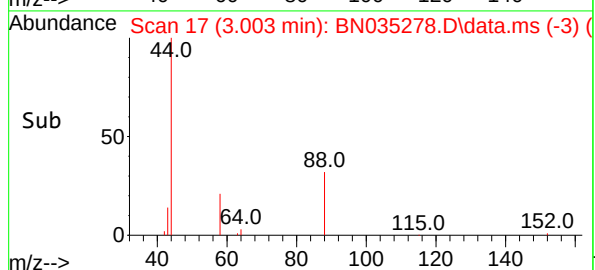
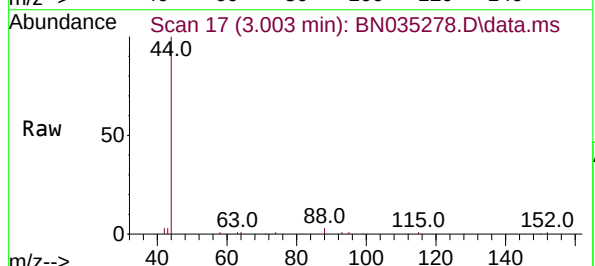
Manual Integrations
APPROVED

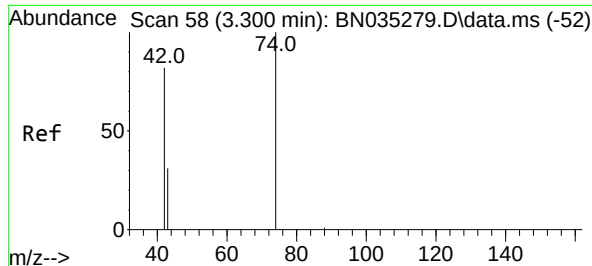
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#2
1,4-Dioxane
Concen: 0.152 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

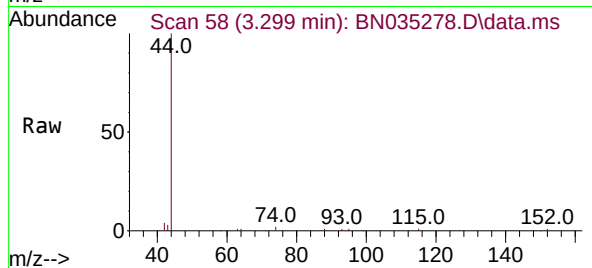
Tgt Ion: 88 Resp: 310
Ion Ratio Lower Upper
88 100
43 91.0 48.1 72.1#
58 65.5 46.9 70.3





#3
n-Nitrosodimethylamine
Concen: 0.165 ng
RT: 3.299 min Scan# 58
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

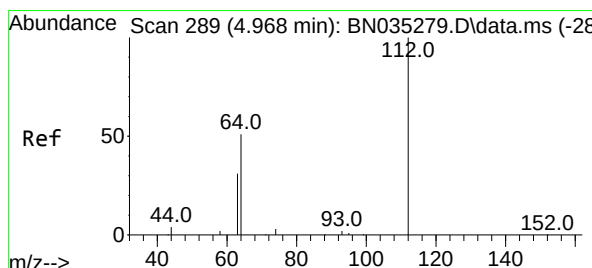
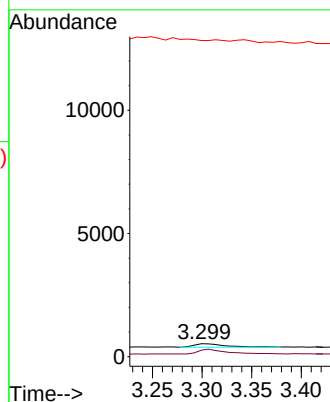
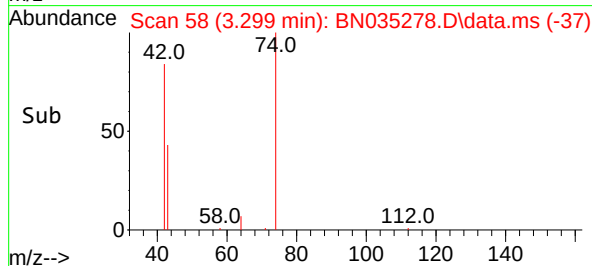
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion: 42 Resp: 314
Ion Ratio Lower Upper
42 100
74 125.8 102.7 154.1
44 0.0 34.1 51.1

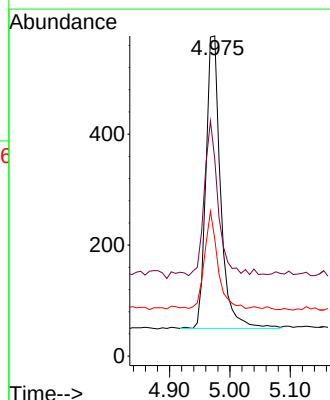
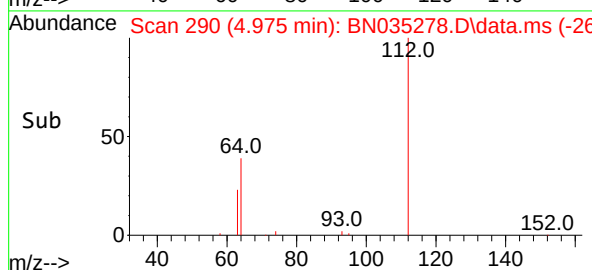
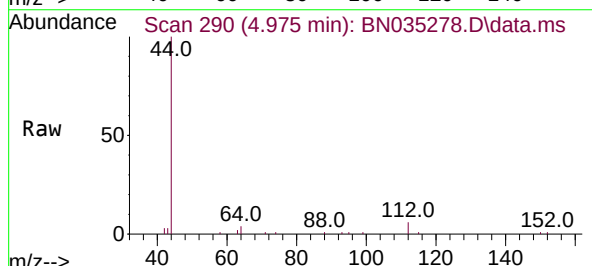
Manual Integrations
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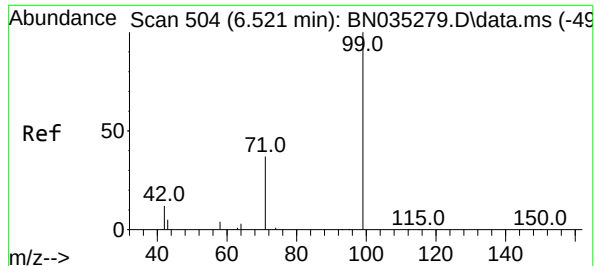
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#4
2-Fluorophenol
Concen: 0.156 ng
RT: 4.975 min Scan# 290
Delta R.T. 0.007 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

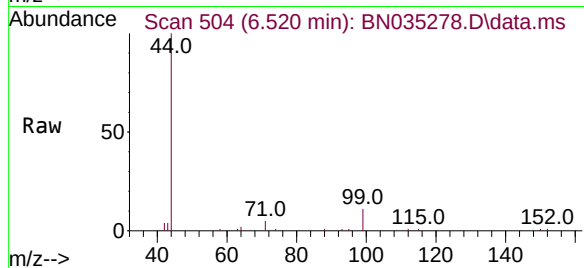
Tgt Ion:112 Resp: 891
Ion Ratio Lower Upper
112 100
64 50.3 40.4 60.6
63 29.5 23.8 35.8





#5
Phenol-d6
Concen: 0.177 ng
RT: 6.520 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

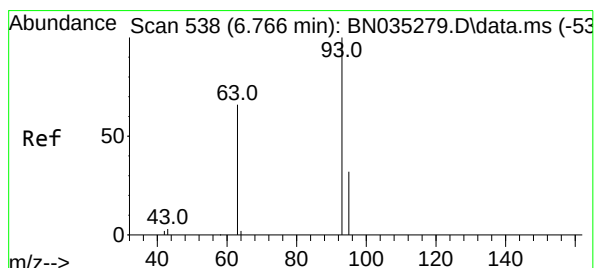
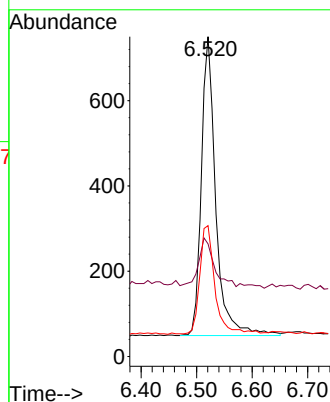
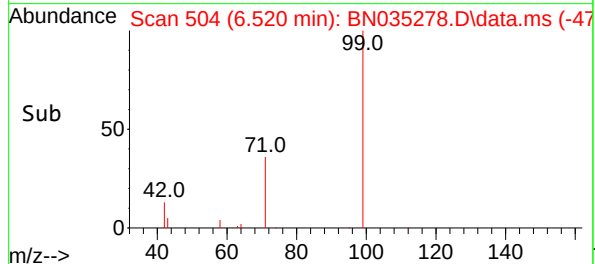
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion: 99 Resp: 1264
Ion Ratio Lower Upper
99 100
42 20.3 12.8 19.2
71 37.8 31.4 47.2

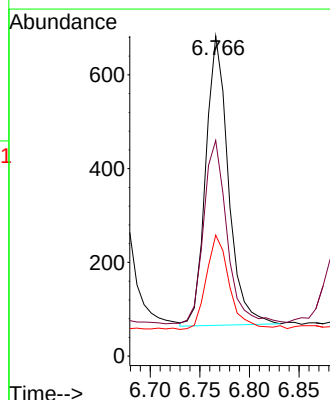
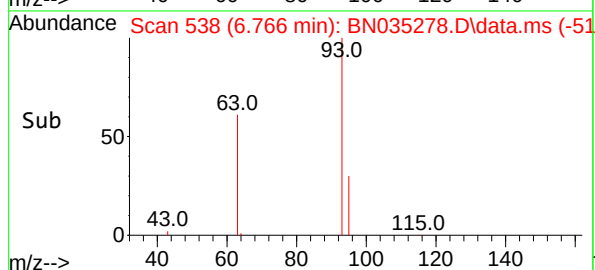
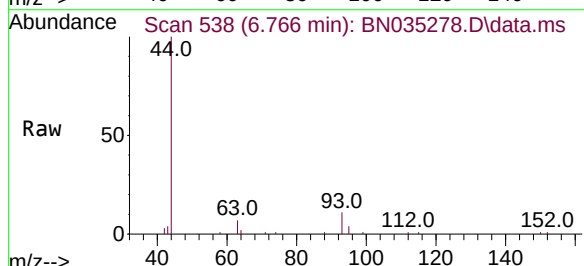
Manual Integrations
APPROVED

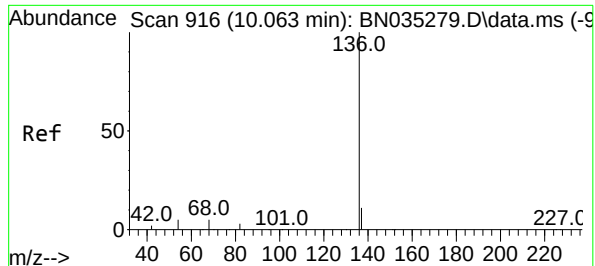
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#6
bis(2-Chloroethyl)ether
Concen: 0.182 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion: 93 Resp: 978
Ion Ratio Lower Upper
93 100
63 66.0 52.3 78.5
95 33.7 25.5 38.3





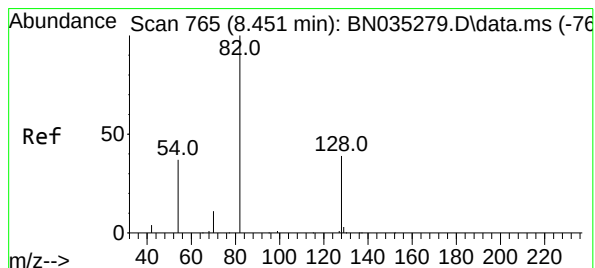
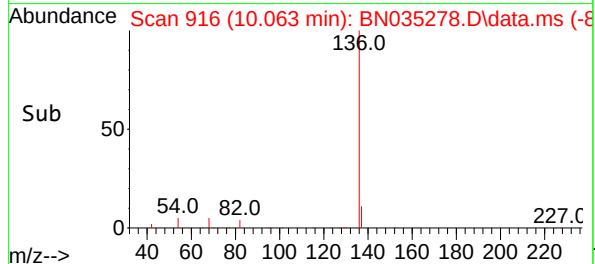
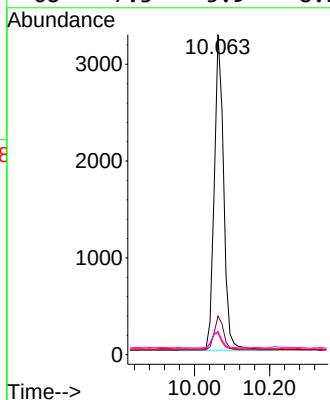
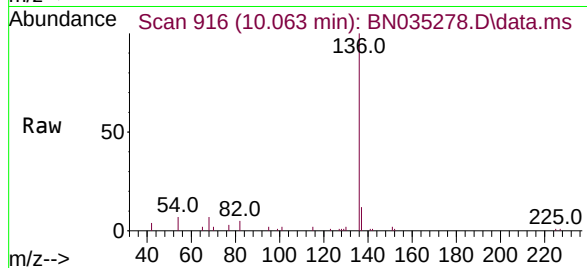
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:	136	Resp:	5670
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	6.8	5.3	7.9
68	7.3	5.9	8.9

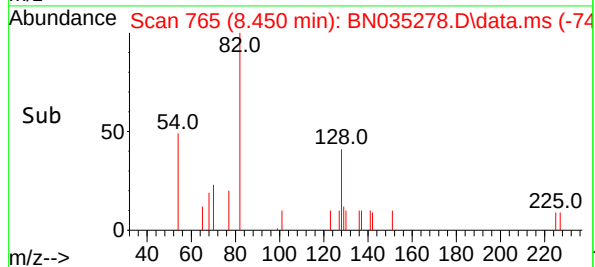
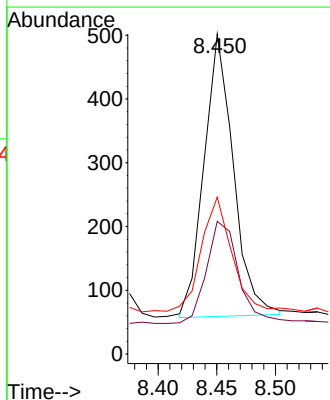
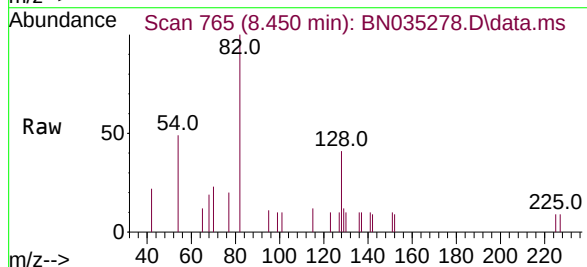
Manual Integrations
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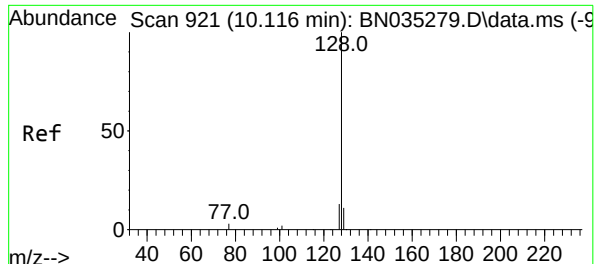
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#8
Nitrobenzene-d5
Concen: 0.156 ng m
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:	82	Resp:	771
Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.0	49.4
54	49.0	33.3	49.9





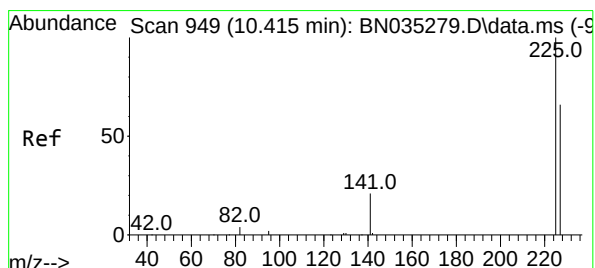
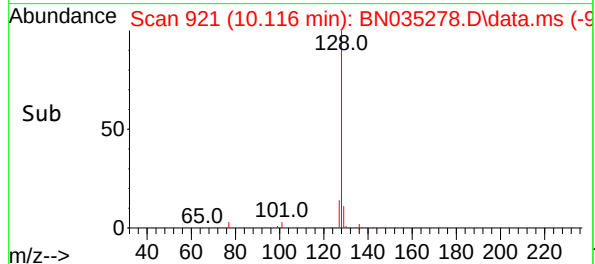
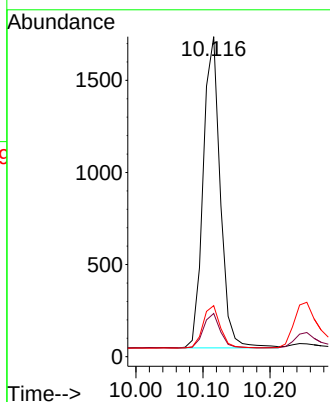
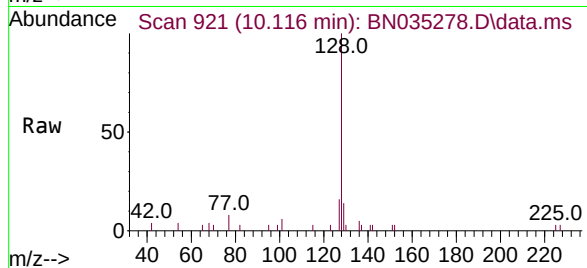
#9
Naphthalene
Concen: 0.202 ng
RT: 10.116 min Scan# 921
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 2990
Ion Ratio Lower Upper
128 100
129 13.5 9.6 14.4
127 15.9 11.3 16.9

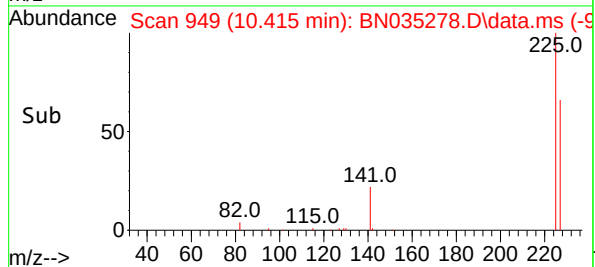
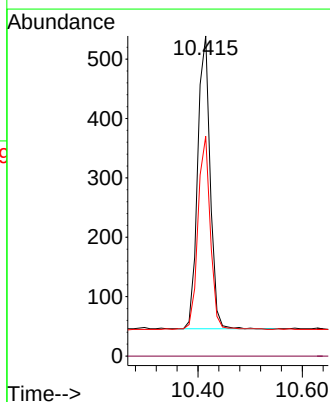
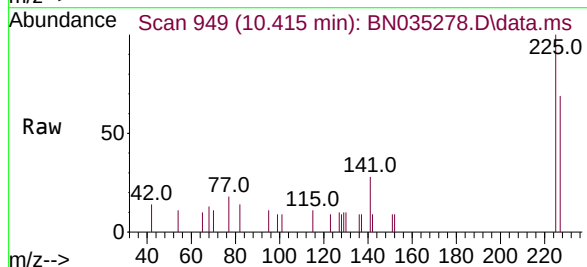
Manual Integrations
APPROVED

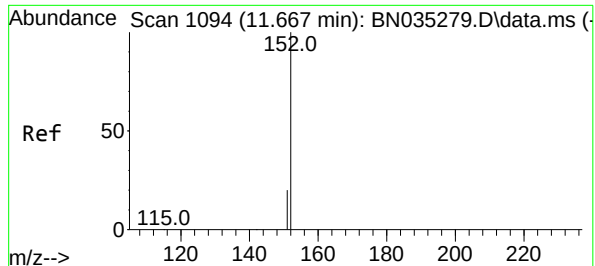
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#10
Hexachlorobutadiene
Concen: 0.189 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

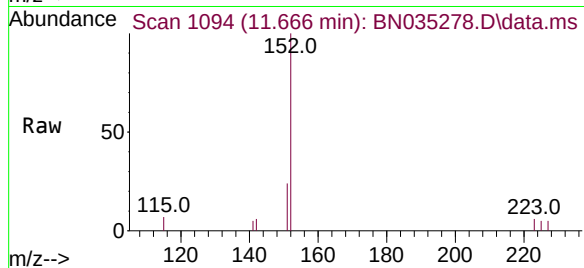
Tgt Ion:225 Resp: 818
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 65.4 51.3 76.9





#11
2-Methylnaphthalene-d10
Concen: 0.149 ng
RT: 11.666 min Scan# 1094
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

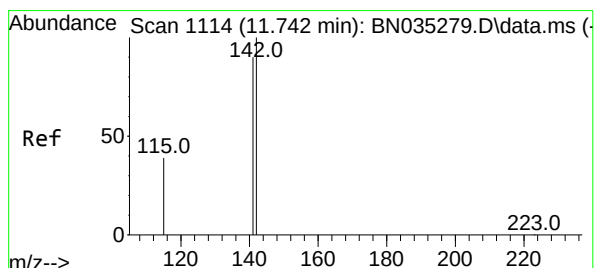
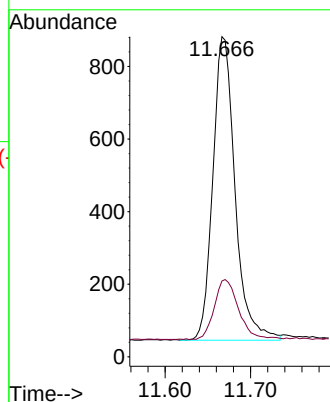
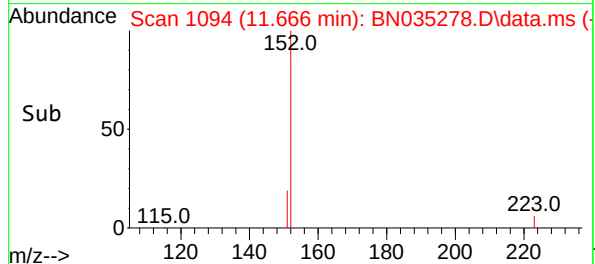
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:152 Resp: 1500
Ion Ratio Lower Upper
152 100
151 22.0 17.2 25.8

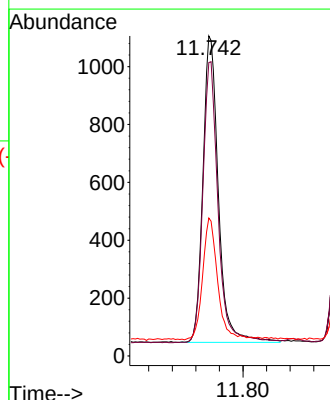
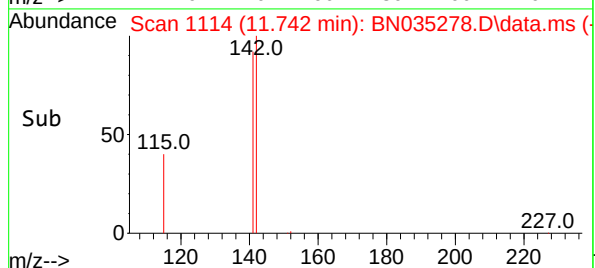
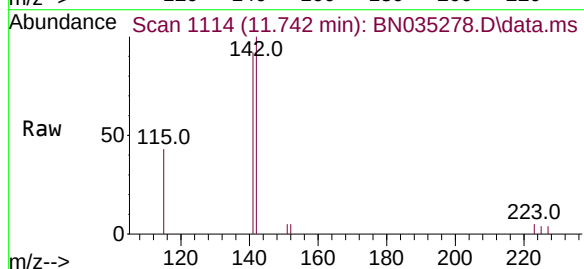
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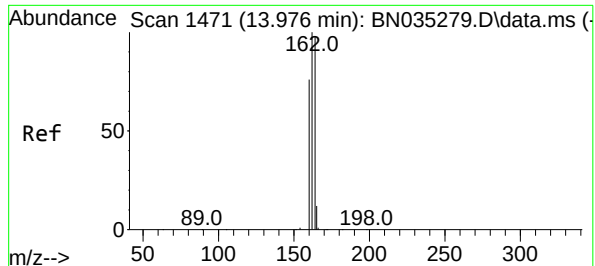
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#12
2-Methylnaphthalene
Concen: 0.177 ng
RT: 11.742 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

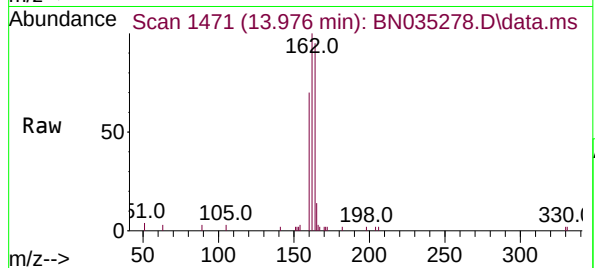
Tgt Ion:142 Resp: 1929
Ion Ratio Lower Upper
142 100
141 91.7 71.8 107.8
115 43.1 32.6 49.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

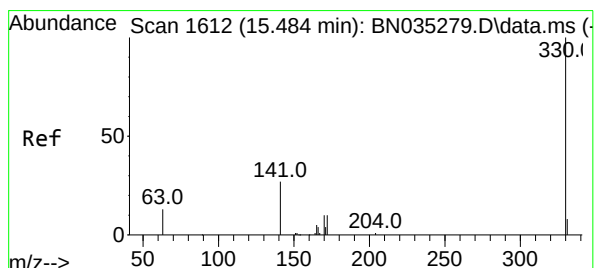
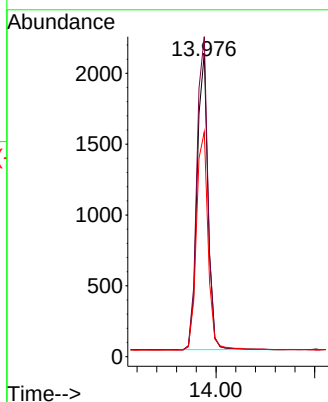
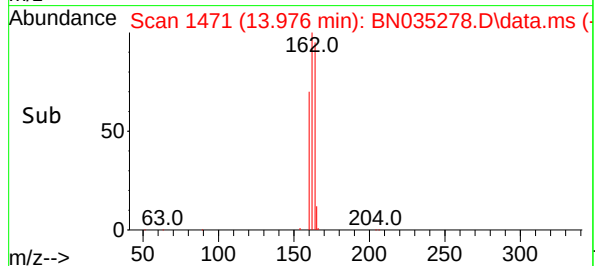
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:164 Resp: 3200
Ion Ratio Lower Upper
164 100
162 105.6 82.0 123.0
160 74.2 63.0 94.4

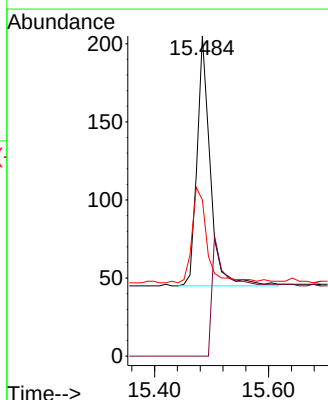
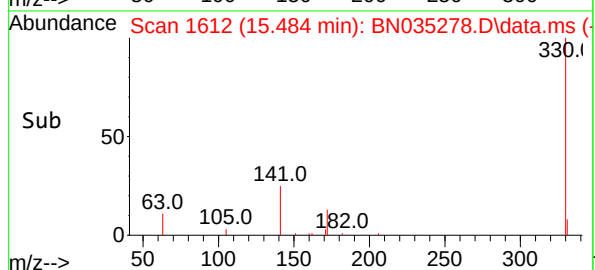
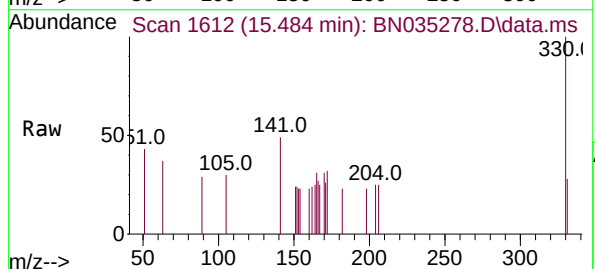
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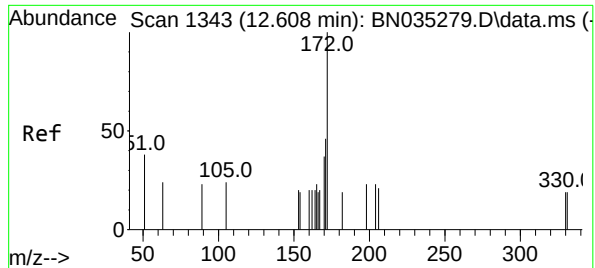
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#14
2,4,6-Tribromophenol
Concen: 0.121 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:330 Resp: 279
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 43.4 32.4 48.6





#15

2-Fluorobiphenyl

Concen: 0.052 ng

RT: 12.608 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:172 Resp: 679

Ion Ratio Lower Upper

172 100

171 47.6 36.6 55.0

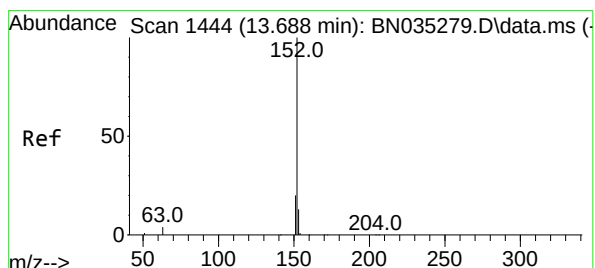
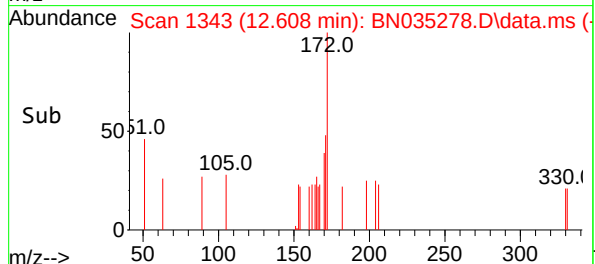
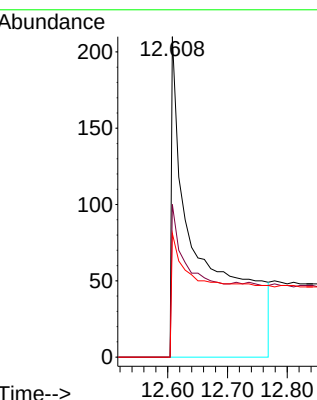
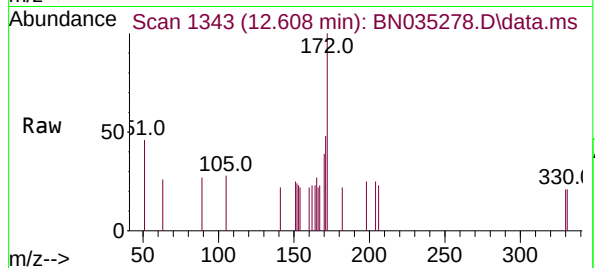
170 38.6 29.7 44.5

Manual Integrations

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Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#16

Acenaphthylene

Concen: 0.219 ng

RT: 13.688 min Scan# 1444

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

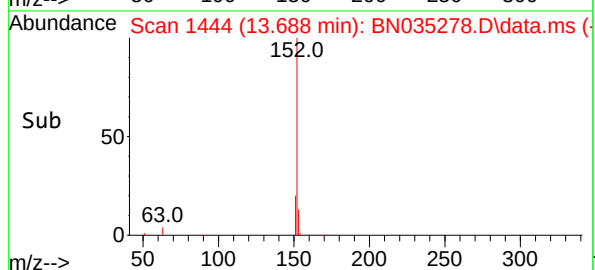
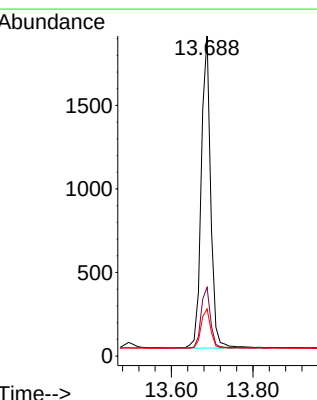
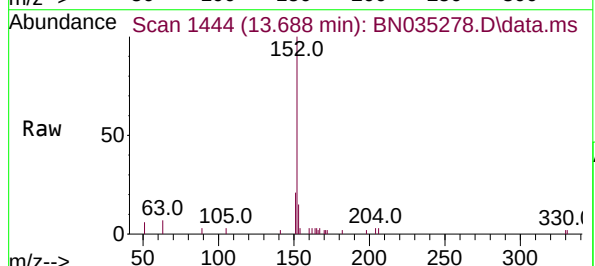
Tgt Ion:152 Resp: 2991

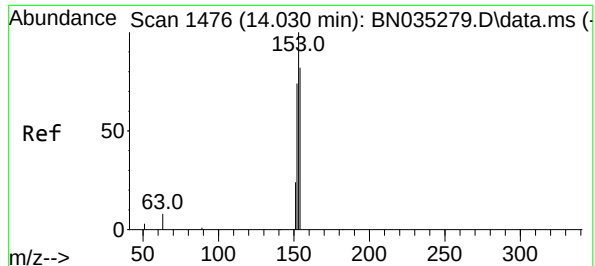
Ion Ratio Lower Upper

152 100

151 19.4 15.9 23.9

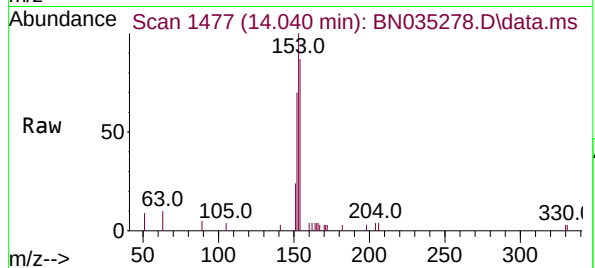
153 12.9 10.2 15.4





#17
Acenaphthene
Concen: 0.207 ng
RT: 14.040 min Scan# 1476
Delta R.T. 0.010 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

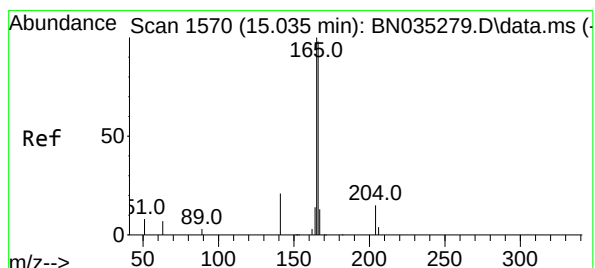
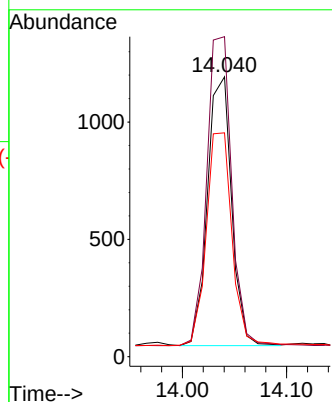
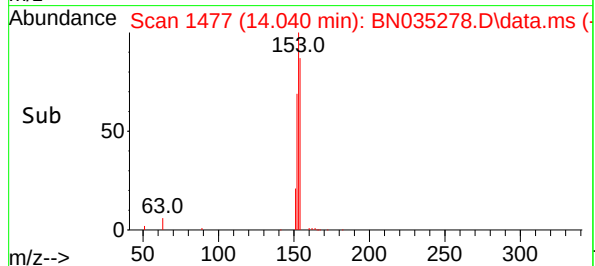
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:154 Resp: 1852
Ion Ratio Lower Upper
154 100
153 119.7 96.1 144.1
152 84.6 72.2 108.2

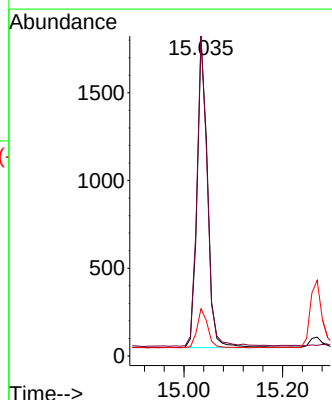
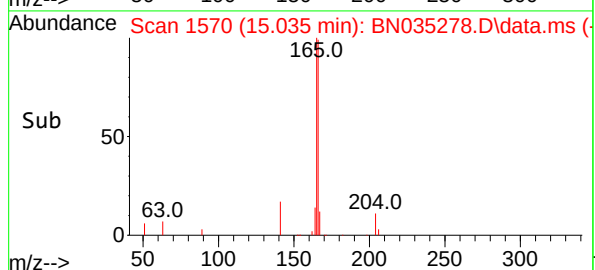
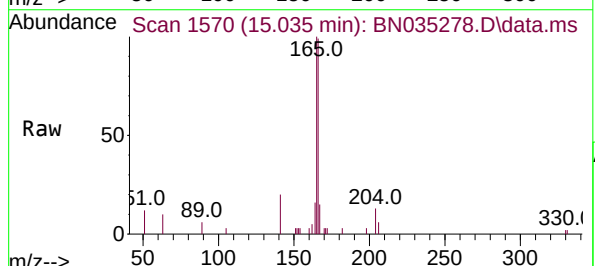
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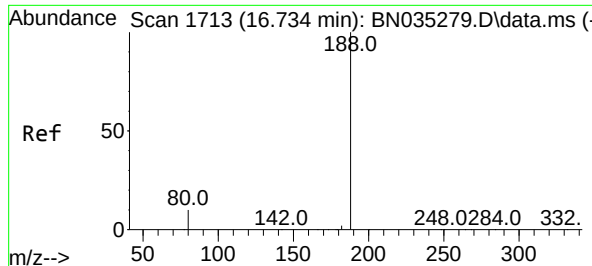
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#18
Fluorene
Concen: 0.196 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:166 Resp: 2587
Ion Ratio Lower Upper
166 100
165 99.7 81.2 121.8
167 13.2 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.734 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:188 Resp: 753

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

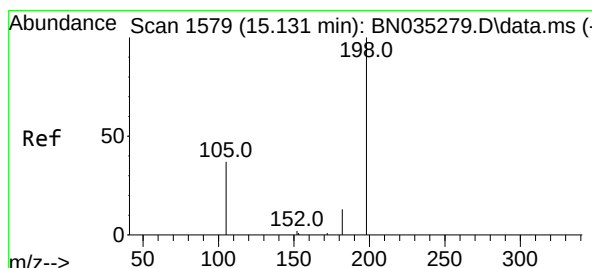
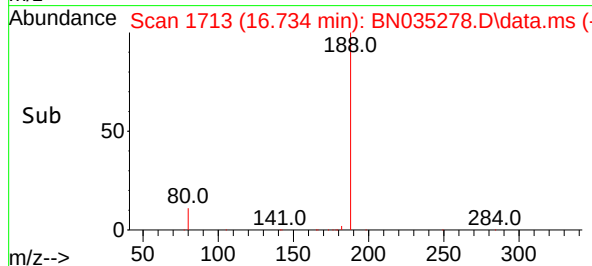
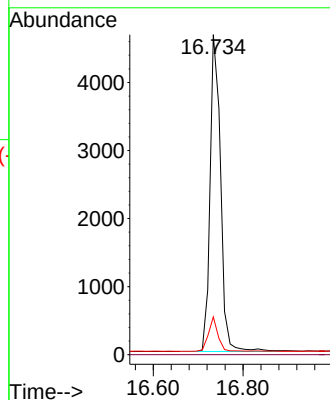
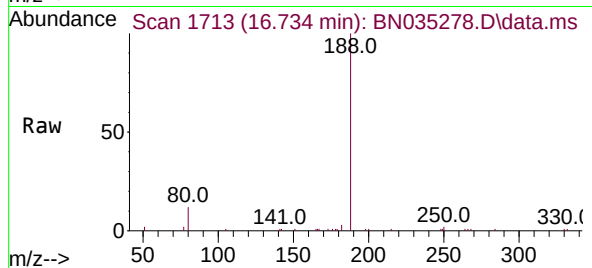
80 11.8 8.9 13.3

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Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#20

4,6-Dinitro-2-methylphenol

Concen: 0.065 ng

RT: 15.131 min Scan# 1579

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

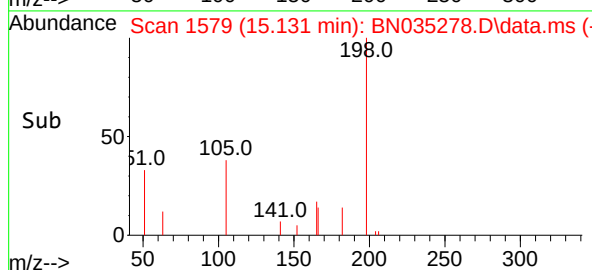
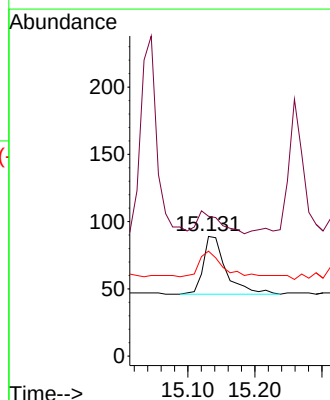
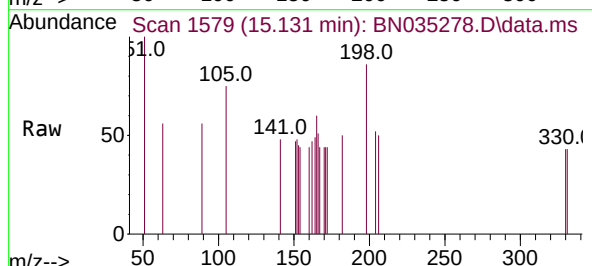
Tgt Ion:198 Resp: 102

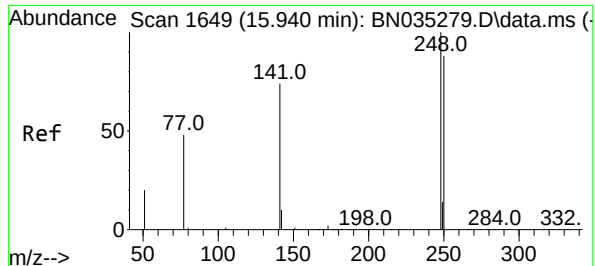
Ion Ratio Lower Upper

198 100

51 116.9 53.6 80.4#

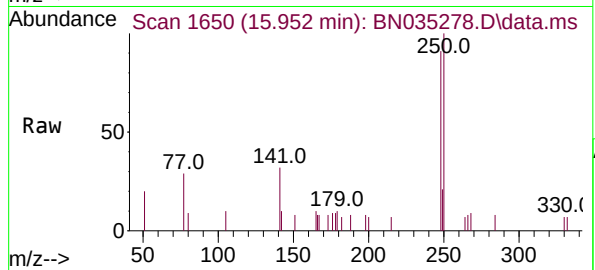
105 87.6 47.4 71.2#





#21
4-Bromophenyl-phenylether
Concen: 0.185 ng
RT: 15.952 min Scan# 1650
Delta R.T. 0.012 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

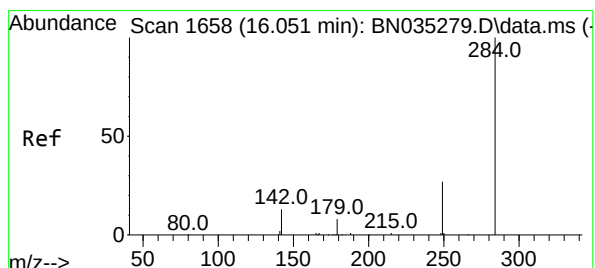
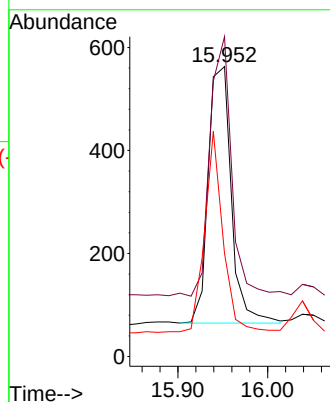
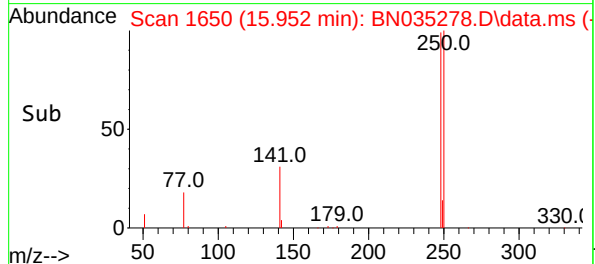
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:248 Resp: 88.4
Ion Ratio Lower Upper
248 100
250 110.3 74.8 112.2
141 35.5 59.0 88.4

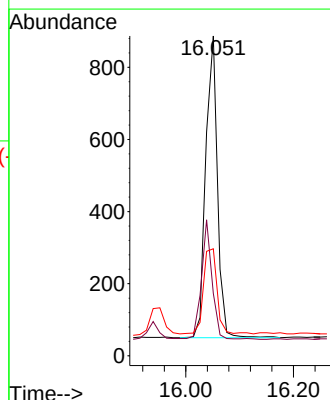
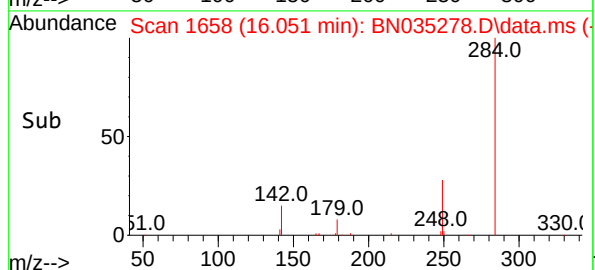
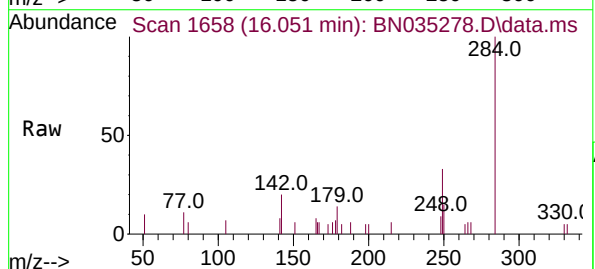
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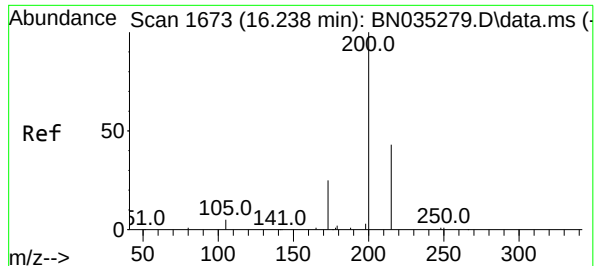
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#22
Hexachlorobenzene
Concen: 0.254 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

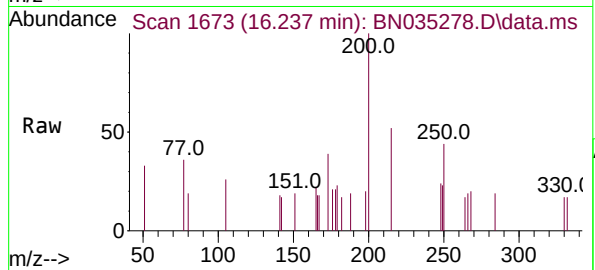
Tgt Ion:284 Resp: 1264
Ion Ratio Lower Upper
284 100
142 35.2 28.7 43.1
249 33.8 25.4 38.0





#23
Atrazine
Concen: 0.083 ng
RT: 16.237 min Scan# 1673
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

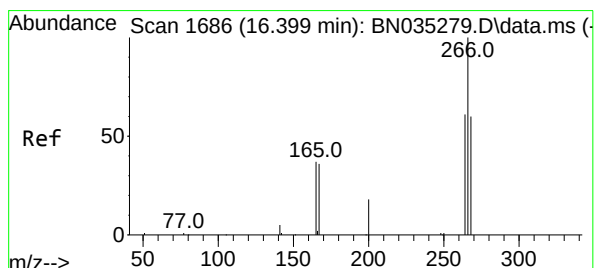
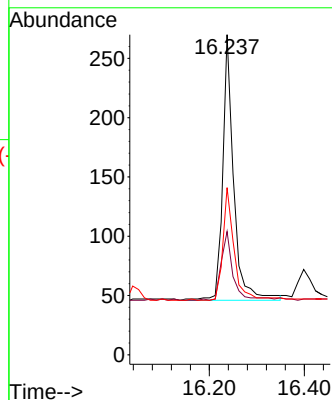
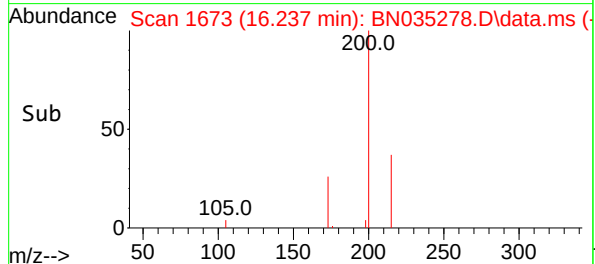
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:200 Resp: 352
Ion Ratio Lower Upper
200 100
173 38.5 25.8 38.8
215 52.2 38.6 58.0

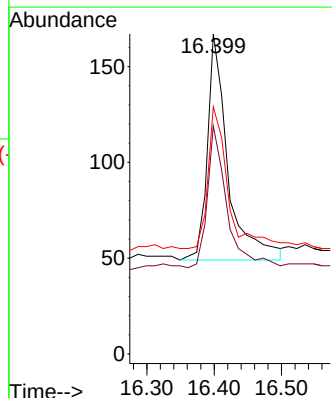
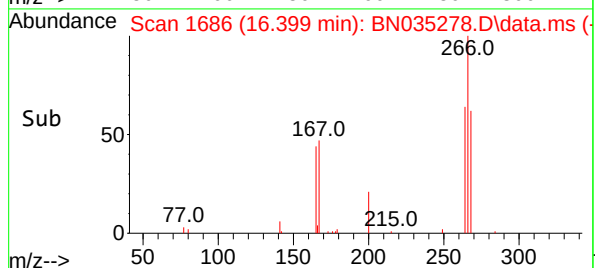
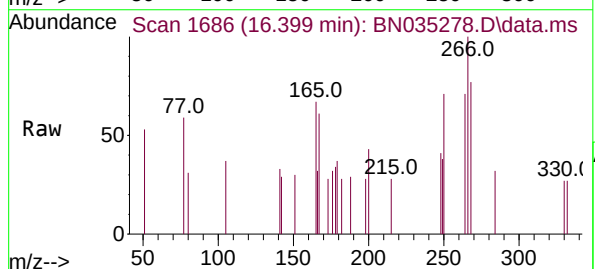
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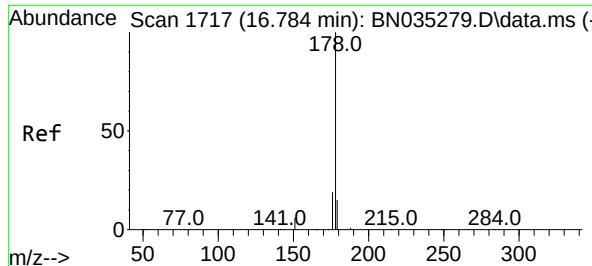
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#24
Pentachlorophenol
Concen: 0.108 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:266 Resp: 252
Ion Ratio Lower Upper
266 100
264 59.1 49.3 73.9
268 63.1 48.6 73.0





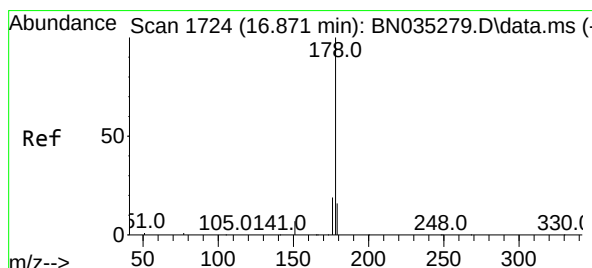
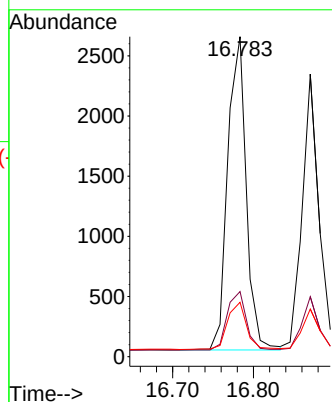
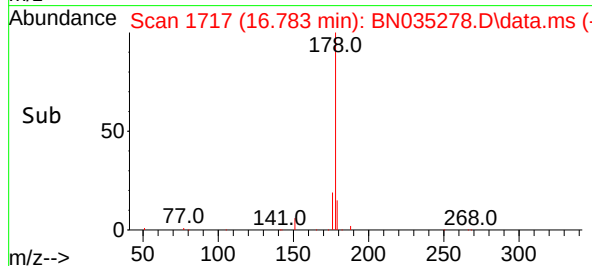
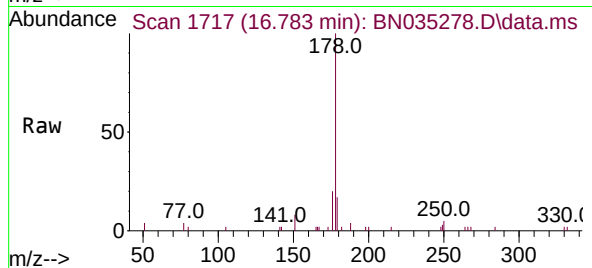
#25
Phenanthrene
Concen: 0.210 ng
RT: 16.783 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 415
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.5 12.6 18.8

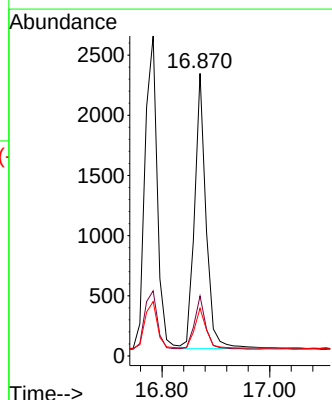
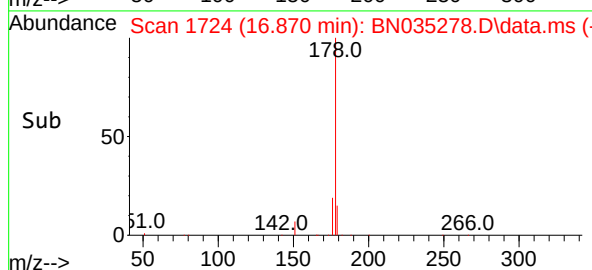
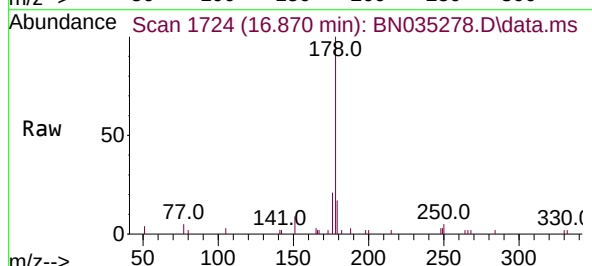
Manual Integrations
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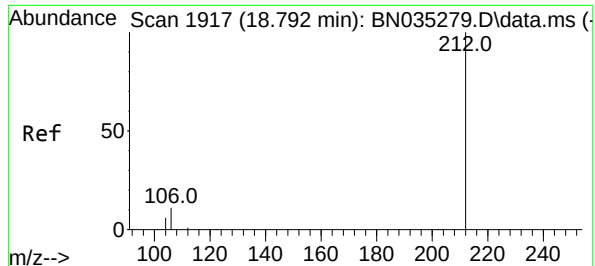
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#26
Anthracene
Concen: 0.186 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:178 Resp: 3384
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.0 12.4 18.6





#27

Fluoranthene-d10

Concen: 0.157 ng

RT: 18.792 min Scan# 1917

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

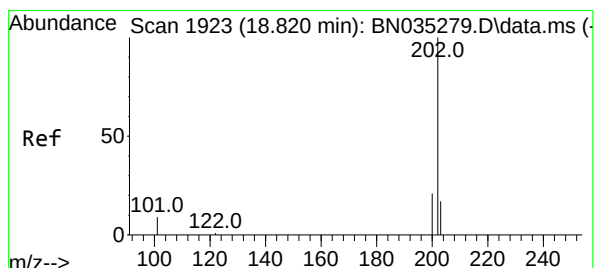
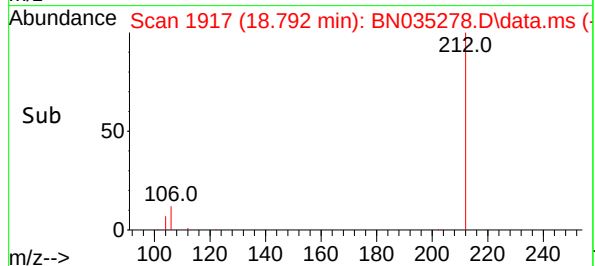
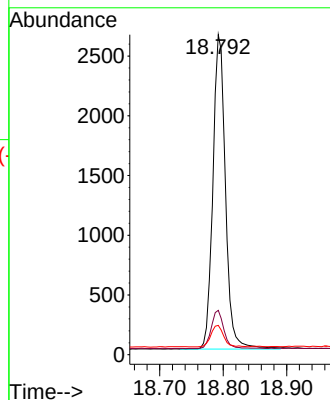
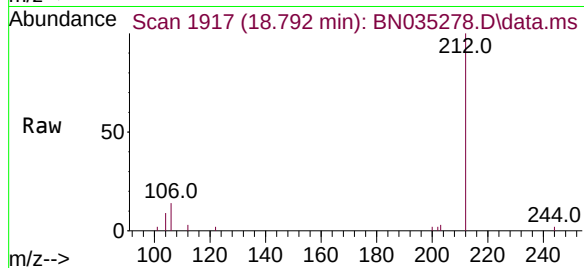
SSTDICC0.2

Tgt Ion:	212	Resp:	362
Ion	Ratio	Lower	Upper
212	100		
106	12.3	9.8	14.8
104	6.9	5.6	8.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#28

Fluoranthene

Concen: 0.177 ng

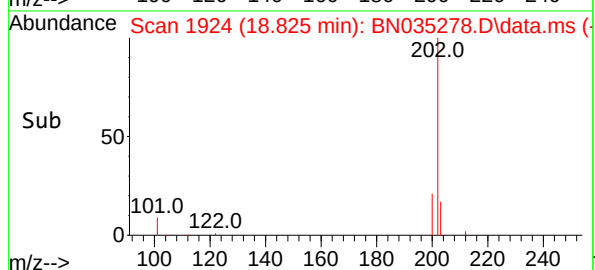
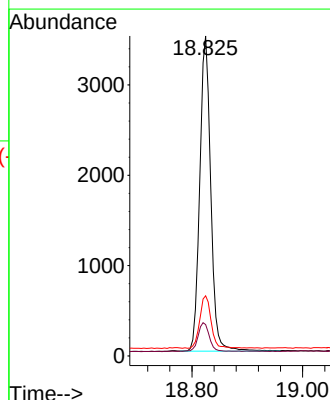
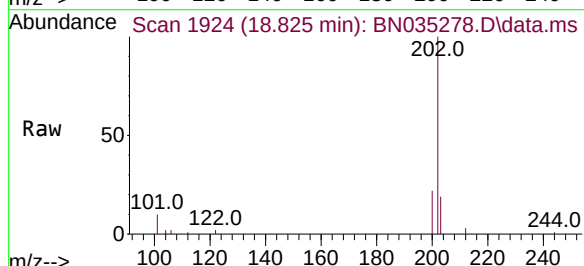
RT: 18.825 min Scan# 1924

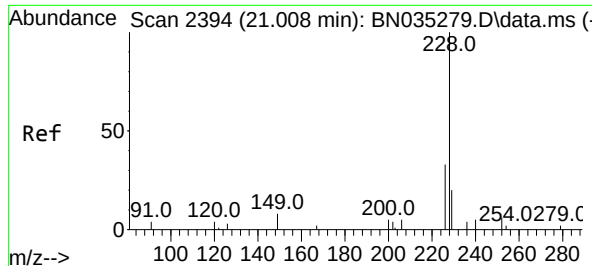
Delta R.T. 0.004 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Tgt Ion:	202	Resp:	4828
Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.6	11.4
203	17.3	13.8	20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035278.D

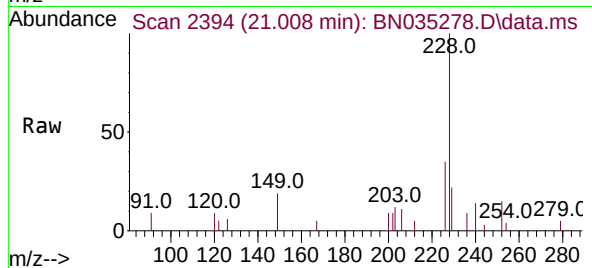
Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

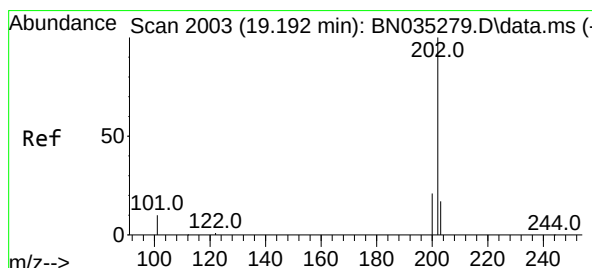
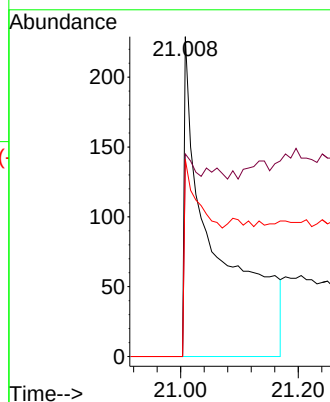
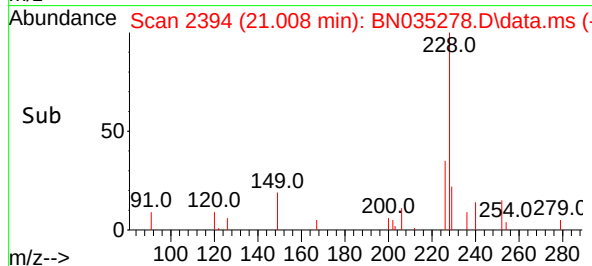
SSTDICC0.2



Tgt Ion:	240	Resp:	79
Ion Ratio	Lower	Upper	
240	100		
120	63.3	54.9	82.3
236	61.6	54.0	81.0

Manual Integrations
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Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#30

Pyrene

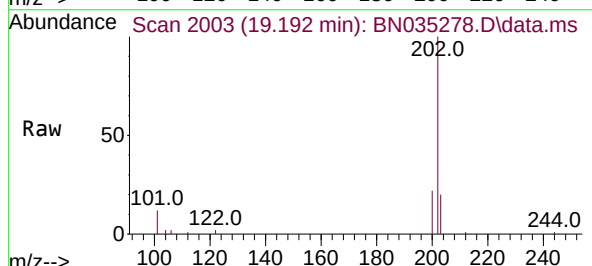
Concen: 1.770 ng

RT: 19.192 min Scan# 2003

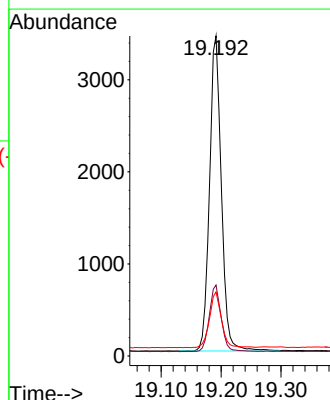
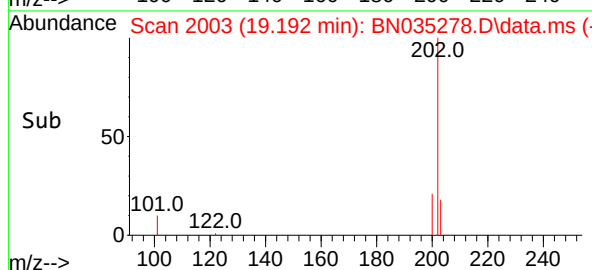
Delta R.T. -0.000 min

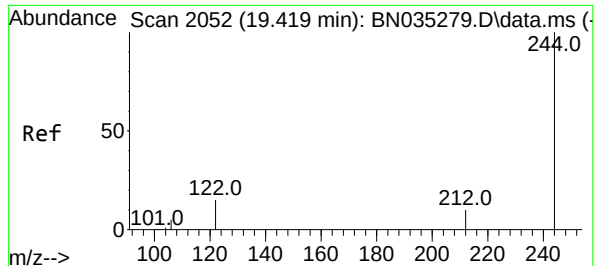
Lab File: BN035278.D

Acq: 25 Nov 2024 10:52



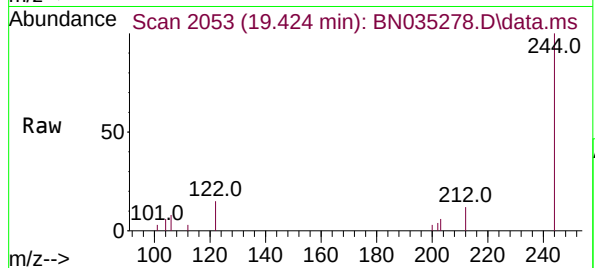
Tgt Ion:	202	Resp:	4697
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.8	25.2
203	17.7	14.4	21.6





#31
Terphenyl-d14
Concen: 1.314 ng
RT: 19.424 min Scan# 2052
Delta R.T. 0.004 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

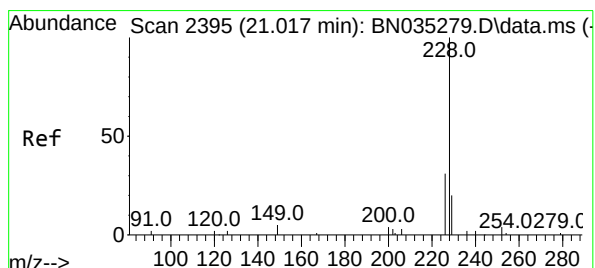
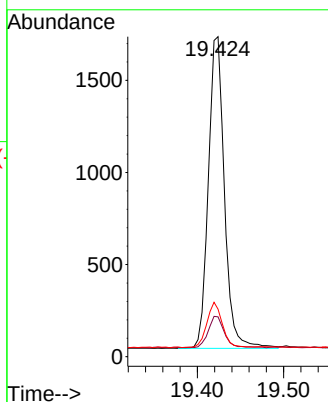
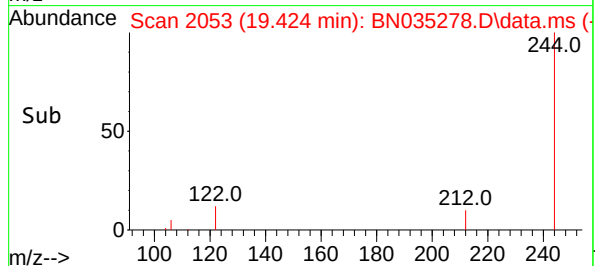
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:244 Resp: 219
Ion Ratio Lower Upper
244 100
212 12.4 9.4 14.0
122 14.9 13.0 19.4

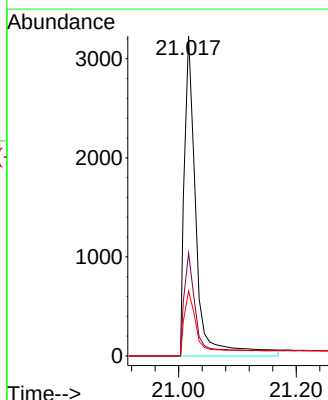
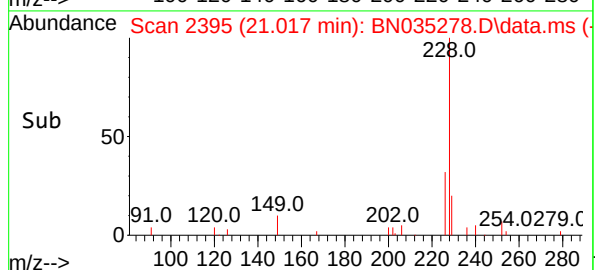
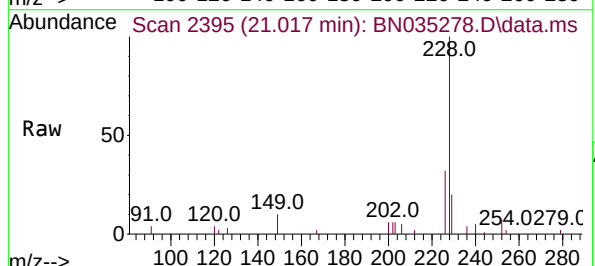
Manual Integrations
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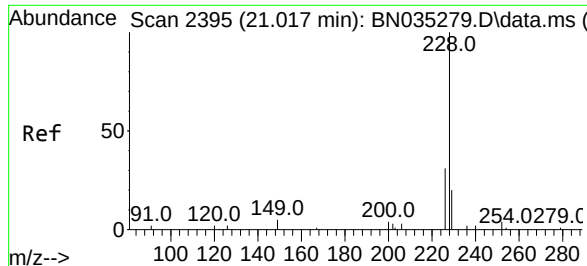
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#32
Benzo(a)anthracene
Concen: 1.607 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:228 Resp: 4459
Ion Ratio Lower Upper
228 100
226 32.1 24.7 37.1
229 20.3 16.2 24.2





#33

Chrysene

Concen: 1.622 ng

RT: 21.017 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:228 Resp: 445

Ion Ratio Lower Upper

228 100

226 32.1 24.7 37.1

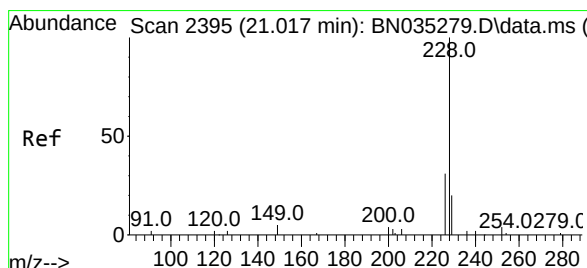
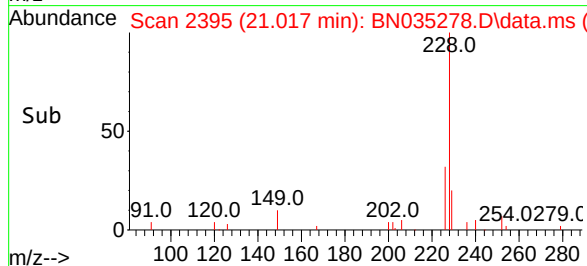
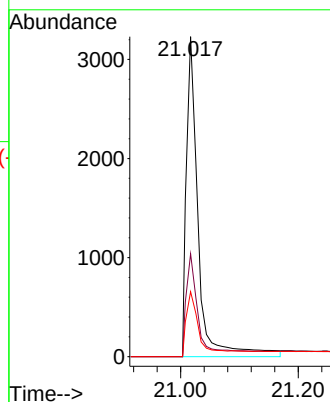
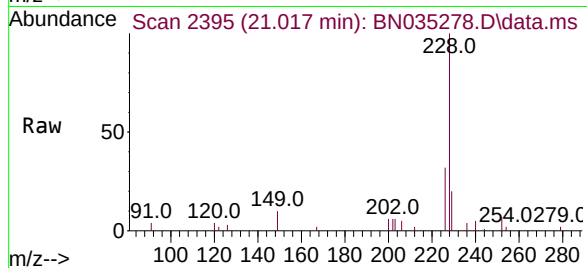
229 20.3 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.478 ng

RT: 21.017 min Scan# 2395

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

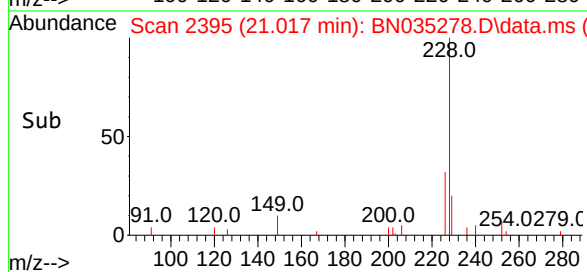
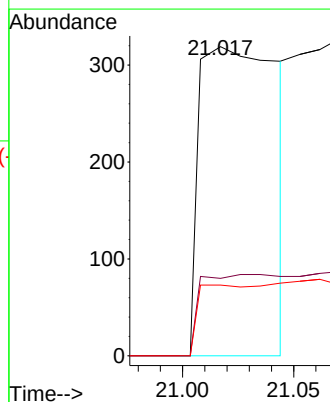
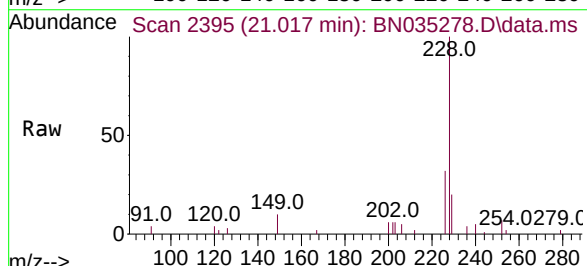
Tgt Ion:149 Resp: 696

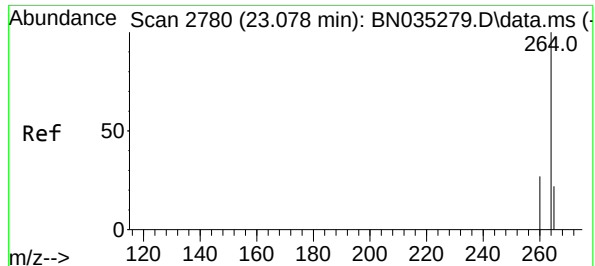
Ion Ratio Lower Upper

149 100

167 26.7 0.0 0.0#

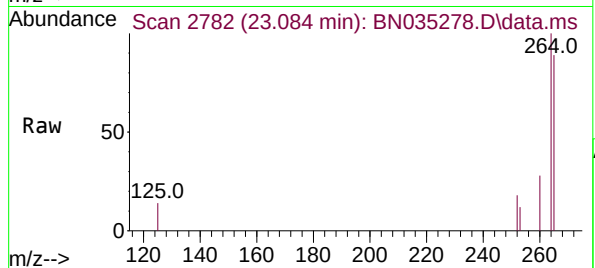
279 12.8 13.0 19.6#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.084 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

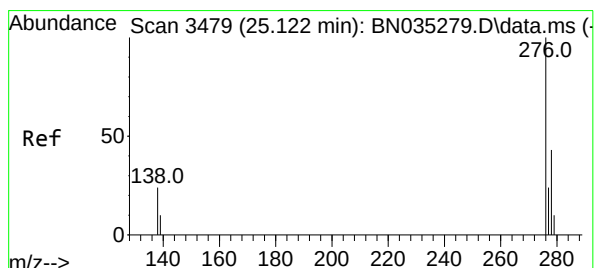
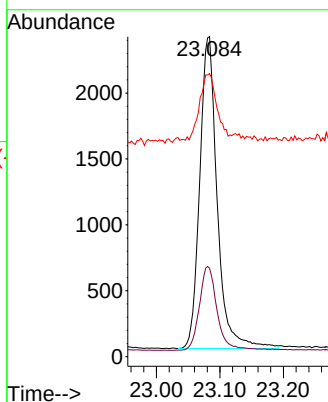
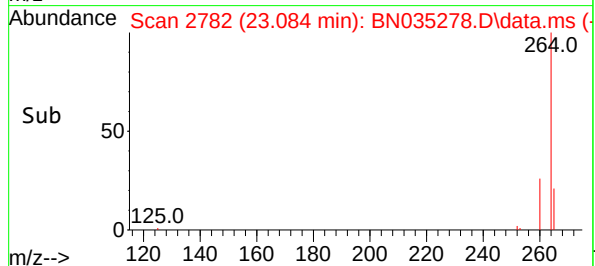
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:264 Resp: 452
Ion Ratio Lower Upper
264 100
260 27.6 22.3 33.5
265 88.5 68.6 103.0

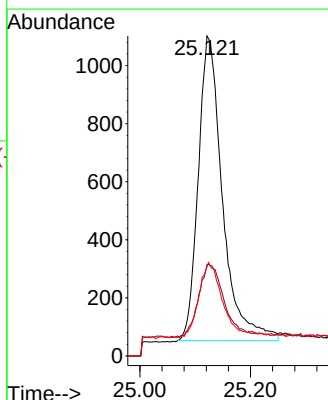
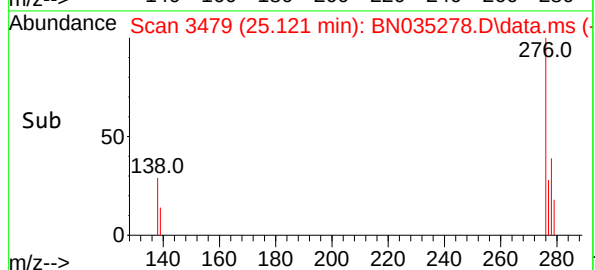
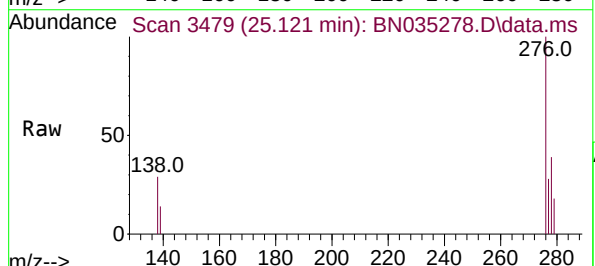
Manual Integrations
APPROVED

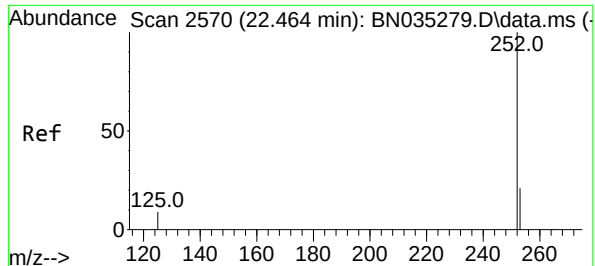
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.177 ng
RT: 25.121 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:276 Resp: 3191
Ion Ratio Lower Upper
276 100
138 23.2 18.8 28.2
277 23.0 18.2 27.4





#37

Benzo(b)fluoranthene

Concen: 0.231 ng

RT: 22.467 min Scan# 2571

Delta R.T. 0.003 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

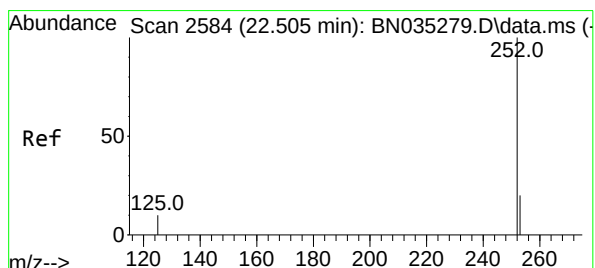
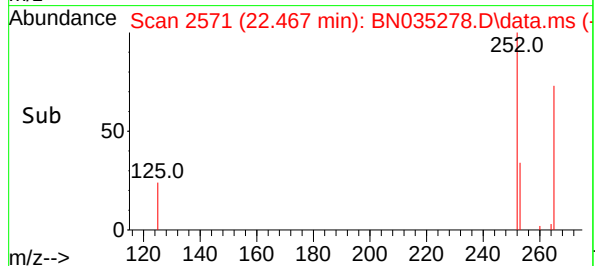
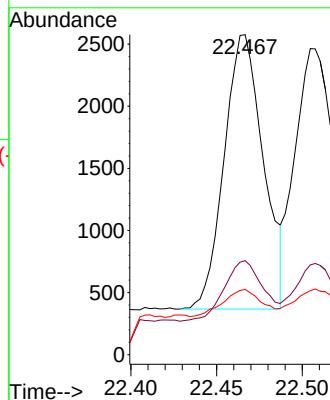
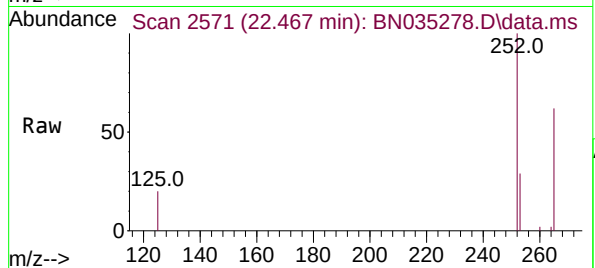
Tgt Ion:	252	Resp:	351
Ion Ratio	Lower	Upper	
252	100		
253	29.4	20.2	30.2
125	20.4	12.0	18.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#38

Benzo(k)fluoranthene

Concen: 0.235 ng

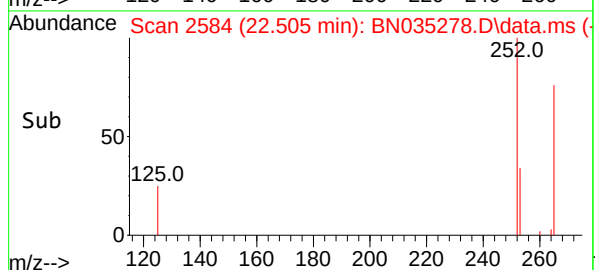
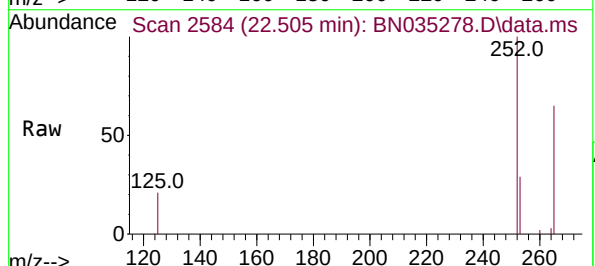
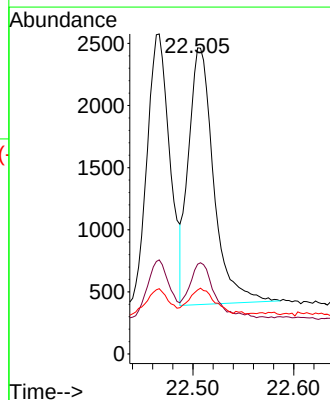
RT: 22.505 min Scan# 2584

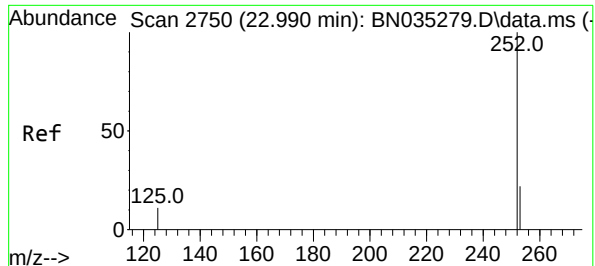
Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Tgt Ion:	252	Resp:	3588
Ion Ratio	Lower	Upper	
252	100		
253	29.3	20.1	30.1
125	20.9	12.7	19.1





#39

Benzo(a)pyrene

Concen: 0.199 ng

RT: 22.990 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035278.D

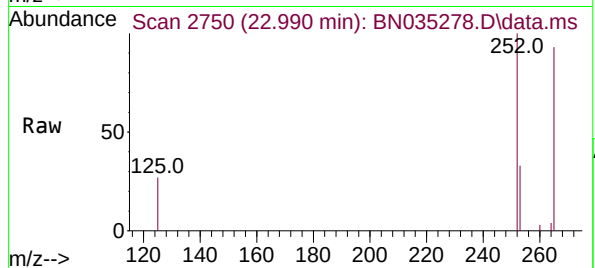
Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



Tgt Ion:252 Resp: 267

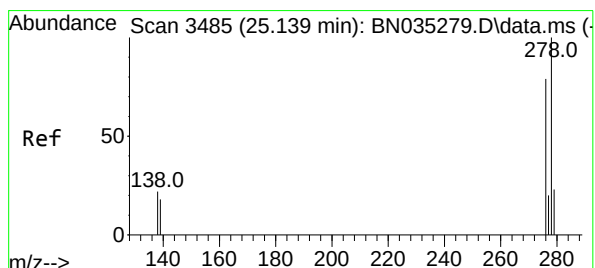
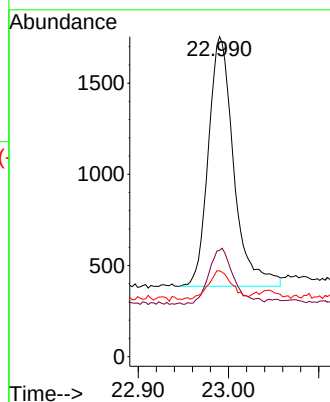
Ion	Ratio	Lower	Upper
252	100		
253	33.2	22.3	33.5
125	26.8	15.3	22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.163 ng

RT: 25.142 min Scan# 3486

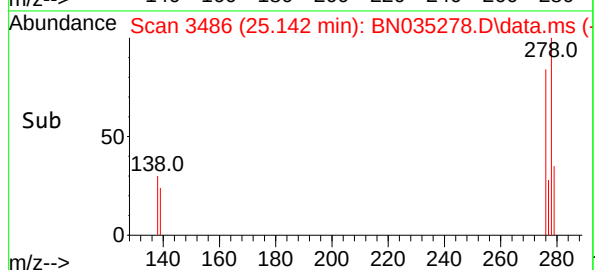
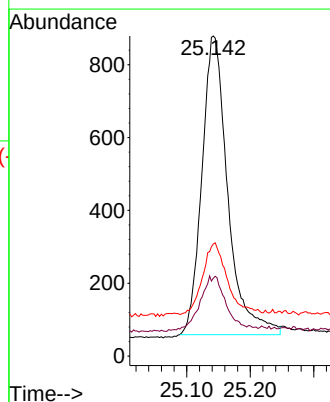
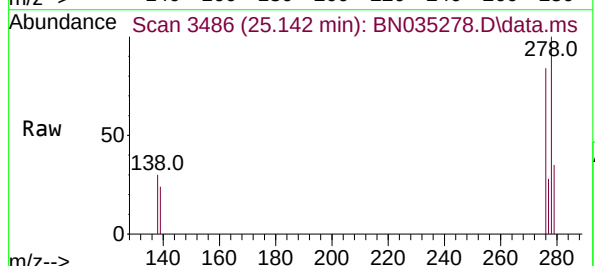
Delta R.T. 0.003 min

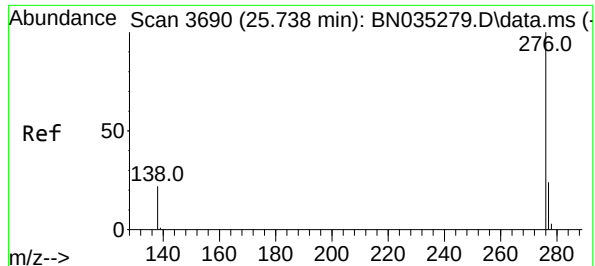
Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Tgt Ion:278 Resp: 2328

Ion	Ratio	Lower	Upper
278	100		
139	24.3	17.0	25.6
279	35.0	23.0	34.4





#41

Benzo(g,h,i)perylene

Concen: 0.195 ng

RT: 25.741 min Scan# 30

Delta R.T. 0.003 min

Lab File: BN035278.D

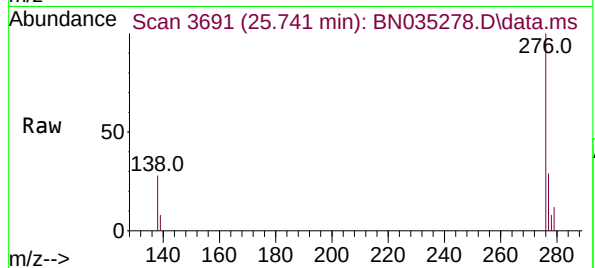
Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



Tgt Ion:276 Resp: 296

Ion Ratio Lower Upper

276 100

277 28.6 21.1 31.7

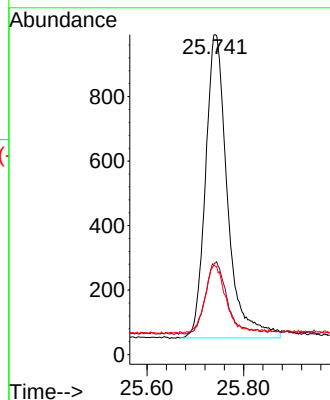
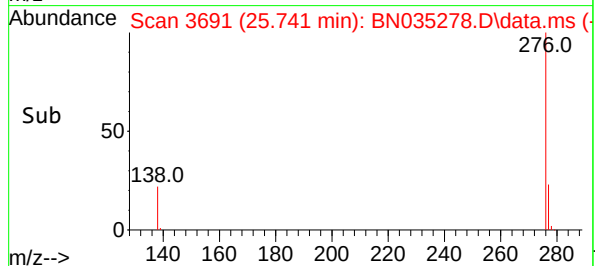
138 27.6 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035279.D
 Acq On : 25 Nov 2024 11:28
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Nov 25 14:13:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 25 14:13:00 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

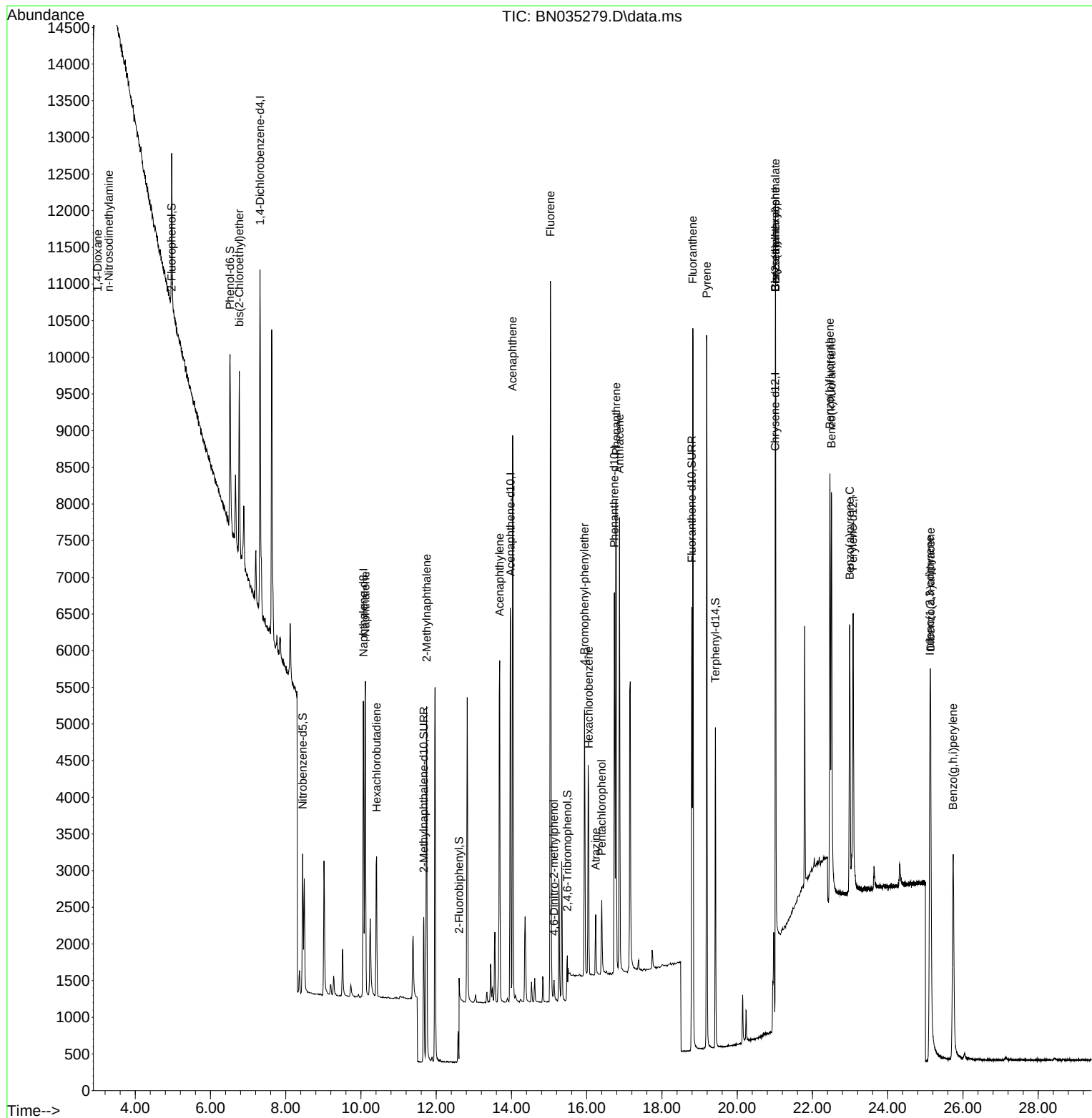
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	2200	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	5326	0.400	ng	0.00
13) Acenaphthene-d10	13.976	164	2947	0.400	ng	0.00
19) Phenanthrene-d10	16.734	188	6895	0.400	ng	0.00
29) Chrysene-d12	21.008	240	586	0.400	ng	0.00
35) Perylene-d12	23.078	264	4692	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1735	0.311	ng	0.00
5) Phenol-d6	6.521	99	2431	0.347	ng	0.00
8) Nitrobenzene-d5	8.451	82	1846	0.398	ng	0.00
11) 2-Methylnaphthalene-d10	11.667	152	2873	0.303	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	531	0.250	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	721	0.060	ng	0.00
27) Fluoranthene-d10	18.792	212	6669	0.316	ng	0.00
31) Terphenyl-d14	19.419	244	4254	3.460	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	631	0.316	ng	100
3) n-Nitrosodimethylamine	3.300	42	624	0.335	ng	100
6) bis(2-Chloroethyl)ether	6.766	93	1971	0.375	ng	100
9) Naphthalene	10.116	128	5810	0.418	ng	100
10) Hexachlorobutadiene	10.415	225	1664	0.408	ng	# 100
12) 2-Methylnaphthalene	11.742	142	3623	0.353	ng	100
16) Acenaphthylene	13.688	152	5556	0.441	ng	100
17) Acenaphthene	14.030	154	3465	0.420	ng	100
18) Fluorene	15.035	166	4816	0.397	ng	100
20) 4,6-Dinitro-2-methylph...	15.131	198	233	0.162	ng	100
21) 4-Bromophenyl-phenylether	15.940	248	1623	0.369	ng	100
22) Hexachlorobenzene	16.051	284	2429	0.533	ng	100
23) Atrazine	16.238	200	689	0.175	ng	100
24) Pentachlorophenol	16.399	266	544	0.255	ng	100
25) Phenanthrene	16.784	178	7798	0.430	ng	100
26) Anthracene	16.871	178	6280	0.377	ng	100
28) Fluoranthene	18.820	202	9240	0.370	ng	100
30) Pyrene	19.192	202	8957	4.590	ng	100
32) Benzo(a)anthracene	21.017	228	8100	3.970	ng	100
33) Chrysene	21.017	228	8100	4.007	ng	100
34) Bis(2-ethylhexyl)phtha...	21.017	149	533	0.498	ng	# 100
36) Indeno(1,2,3-cd)pyrene	25.122	276	7146	0.382	ng	100
37) Benzo(b)fluoranthene	22.464	252	6813	0.432	ng	100
38) Benzo(k)fluoranthene	22.505	252	7659	0.485	ng	100
39) Benzo(a)pyrene	22.990	252	5365	0.386	ng	100
40) Dibenzo(a,h)anthracene	25.139	278	5194	0.350	ng	100
41) Benzo(g,h,i)perylene	25.738	276	5823	0.369	ng	100

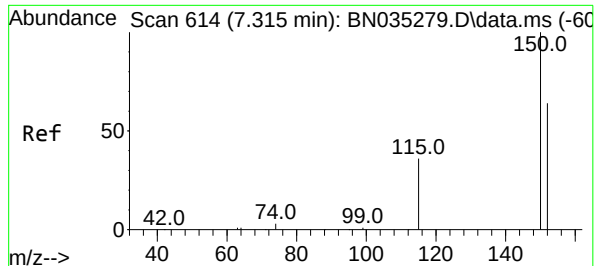
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035279.D
Acq On : 25 Nov 2024 11:28
Operator : RC/JU
Sample : SSTDICC0.4
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.4

Quant Time: Nov 25 14:13:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:13:00 2024
Response via : Initial Calibration

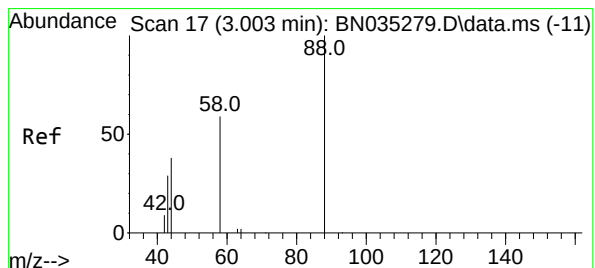
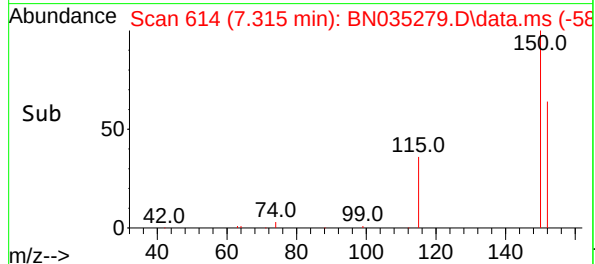
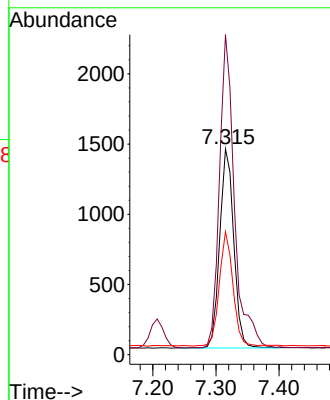
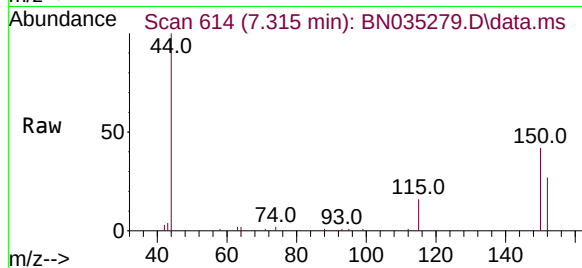




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

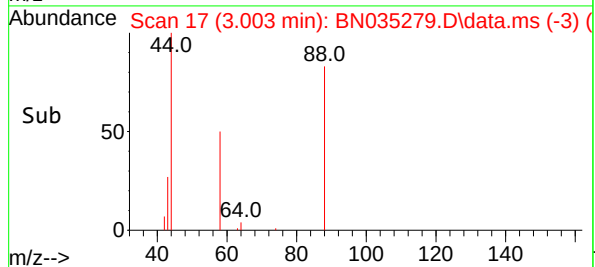
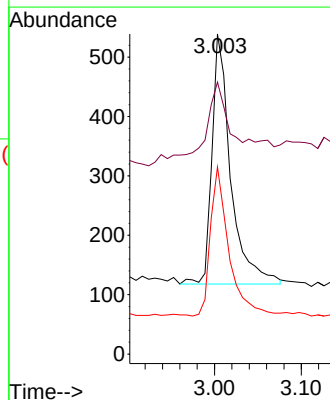
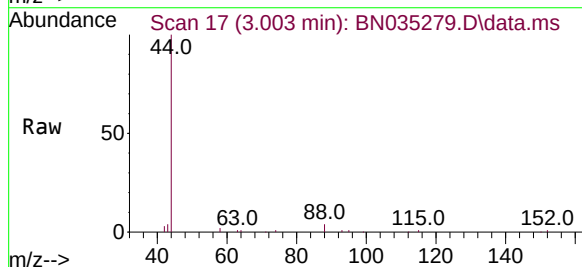
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

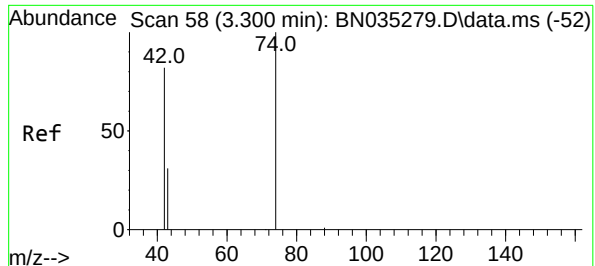
Tgt Ion:152 Resp: 2200
Ion Ratio Lower Upper
152 100
150 155.6 124.5 186.7
115 59.8 47.8 71.8



#2
1,4-Dioxane
Concen: 0.316 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion: 88 Resp: 631
Ion Ratio Lower Upper
88 100
43 60.1 48.1 72.1
58 58.6 46.9 70.3

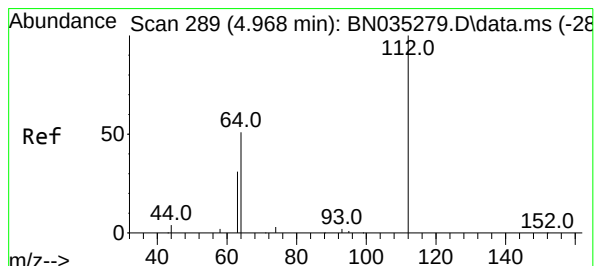
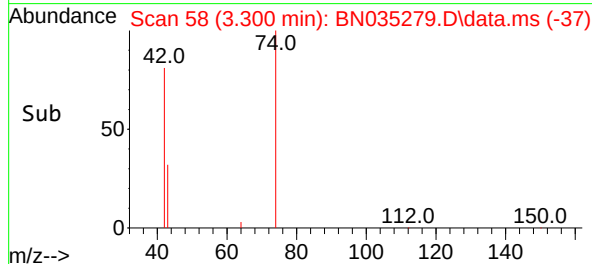
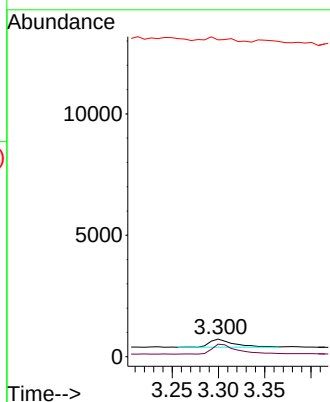
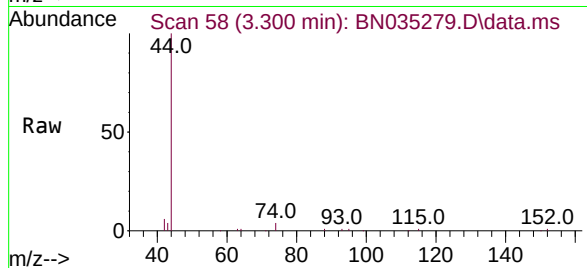




#3
n-Nitrosodimethylamine
Concen: 0.335 ng
RT: 3.300 min Scan# 58
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

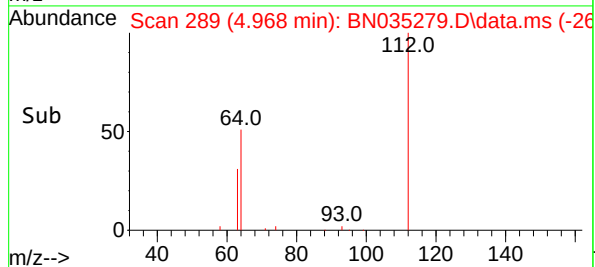
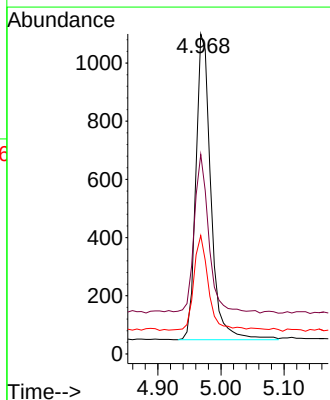
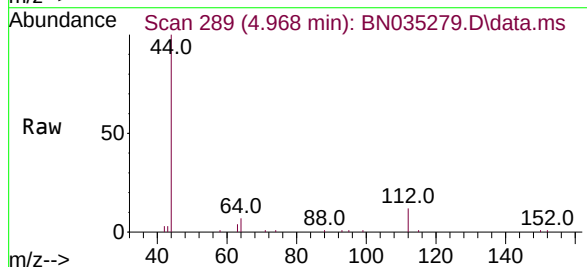
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

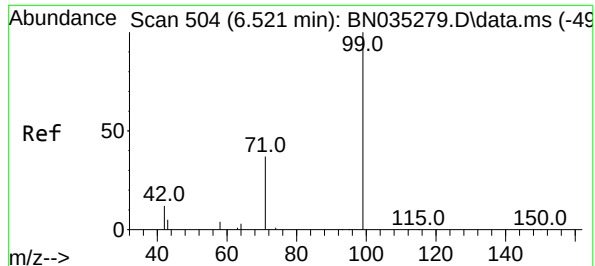
Tgt Ion: 42 Resp: 624
Ion Ratio Lower Upper
42 100
74 128.4 102.7 154.1
44 42.6 34.1 51.1



#4
2-Fluorophenol
Concen: 0.311 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion: 112 Resp: 1735
Ion Ratio Lower Upper
112 100
64 50.5 40.4 60.6
63 29.8 23.8 35.8





#5

Phenol-d6

Concen: 0.347 ng

RT: 6.521 min Scan# 504

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

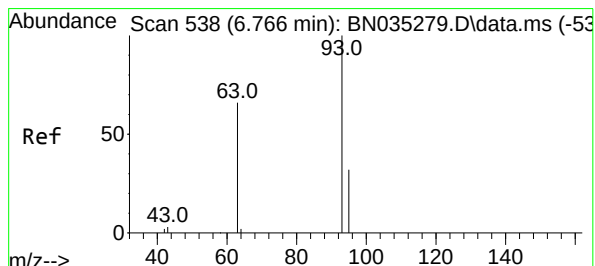
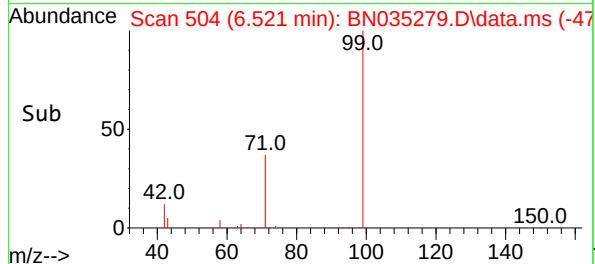
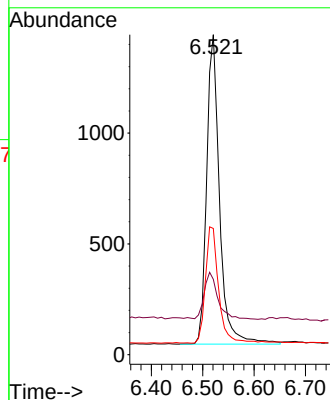
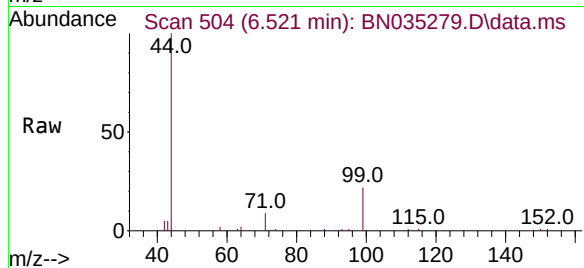
Tgt Ion: 99 Resp: 2431

Ion Ratio Lower Upper

99 100

42 16.0 12.8 19.2

71 39.3 31.4 47.2



#6

bis(2-Chloroethyl)ether

Concen: 0.375 ng

RT: 6.766 min Scan# 538

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

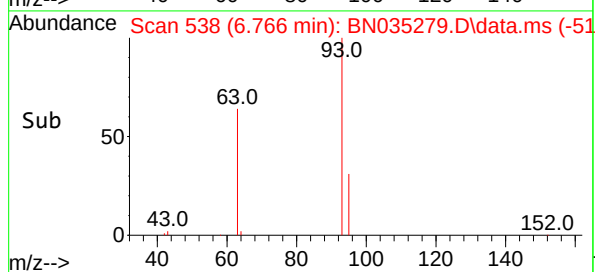
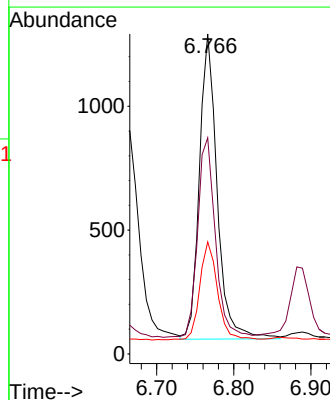
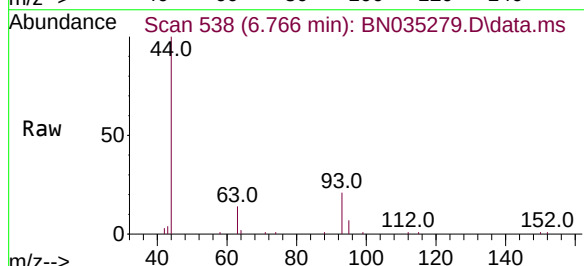
Tgt Ion: 93 Resp: 1971

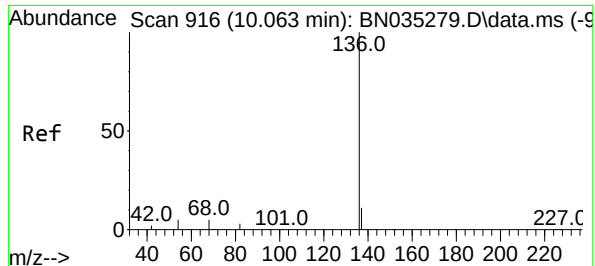
Ion Ratio Lower Upper

93 100

63 65.4 52.3 78.5

95 31.9 25.5 38.3

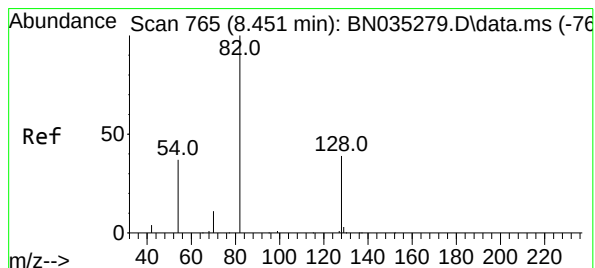
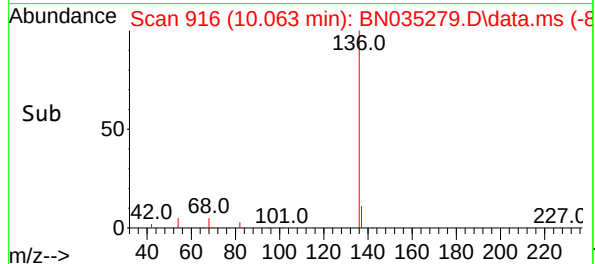
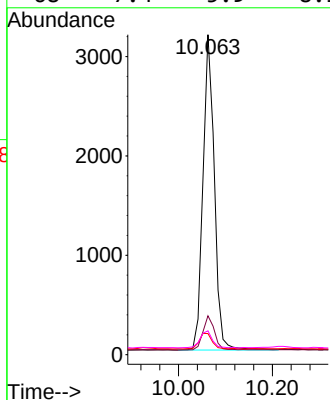
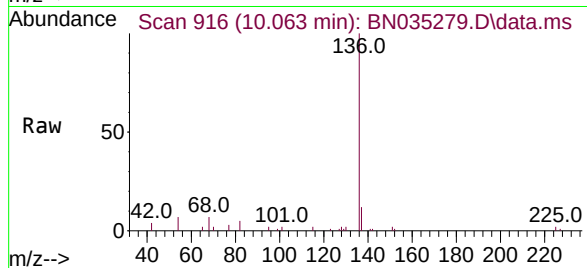




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

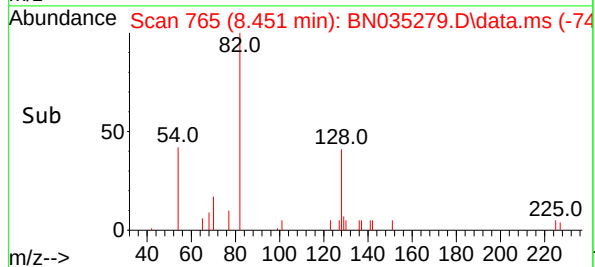
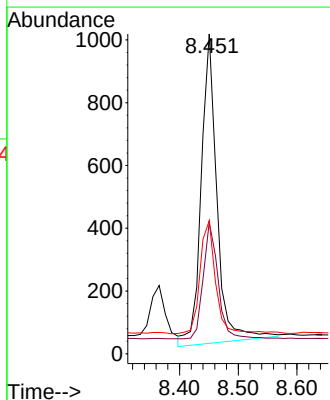
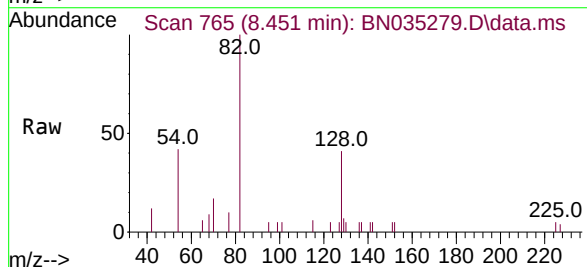
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

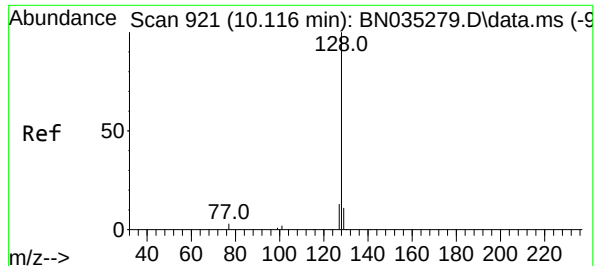
Tgt Ion:	136	Resp:	5326
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	6.6	5.3	7.9
68	7.4	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.398 ng
RT: 8.451 min Scan# 765
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:	82	Resp:	1846
Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.0	49.4
54	41.6	33.3	49.9





#9

Naphthalene

Concen: 0.418 ng

RT: 10.116 min Scan# 921

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

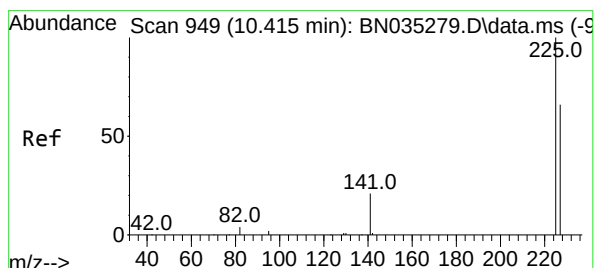
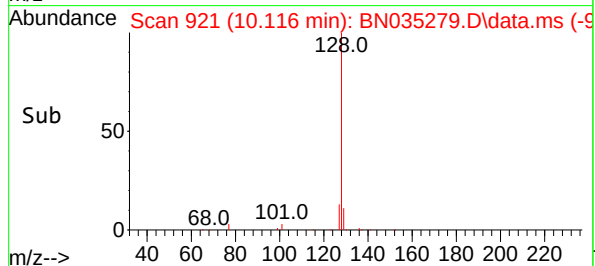
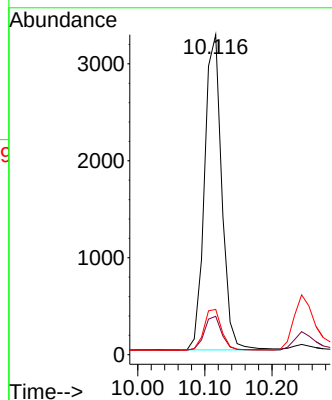
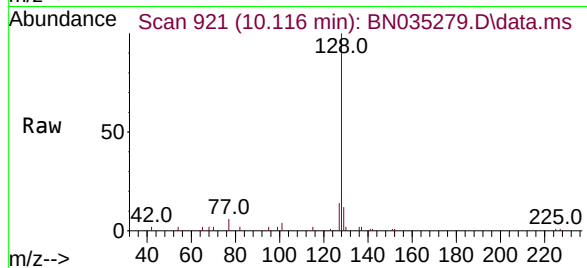
Tgt Ion:128 Resp: 5810

Ion Ratio Lower Upper

128 100

129 12.0 9.6 14.4

127 14.1 11.3 16.9



#10

Hexachlorobutadiene

Concen: 0.408 ng

RT: 10.415 min Scan# 949

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

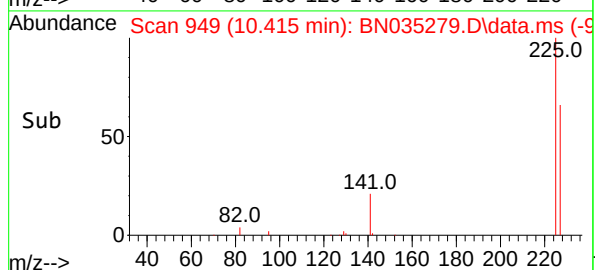
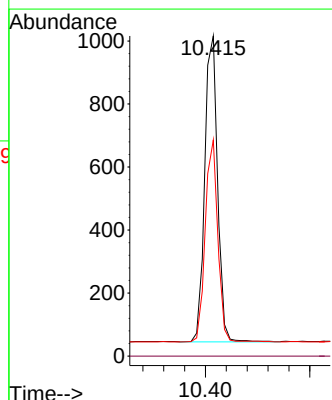
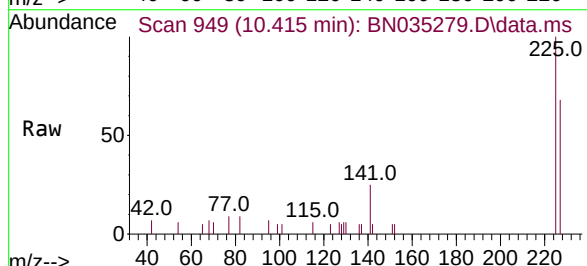
Tgt Ion:225 Resp: 1664

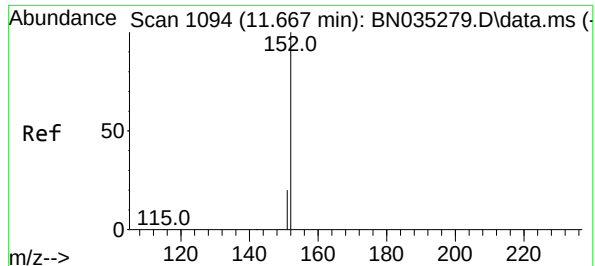
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 64.1 51.3 76.9

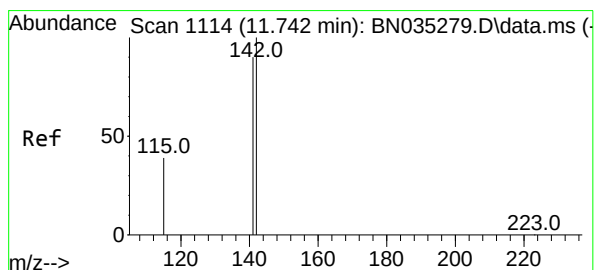
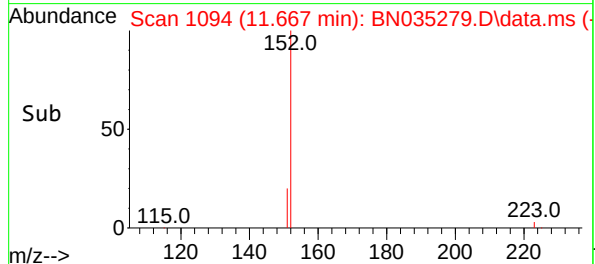
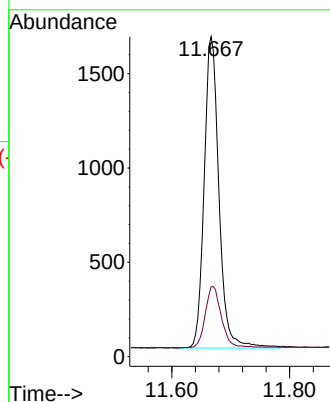
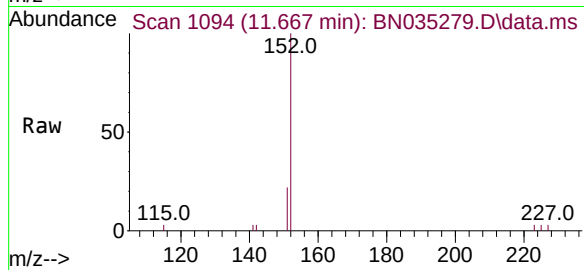




#11
2-Methylnaphthalene-d10
Concen: 0.303 ng
RT: 11.667 min Scan# 1094
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

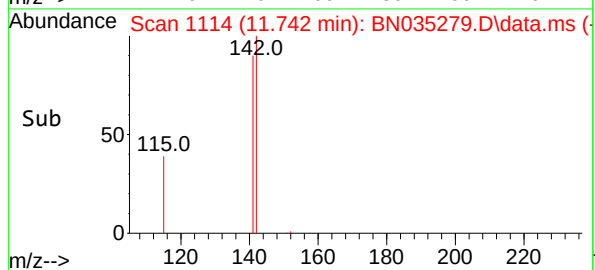
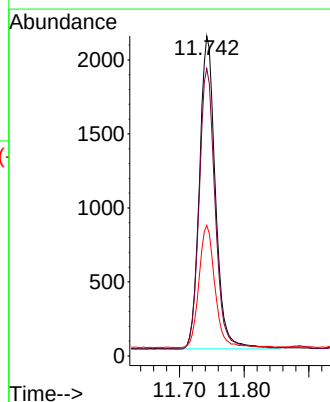
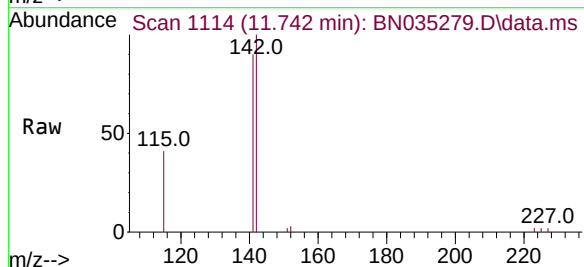
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

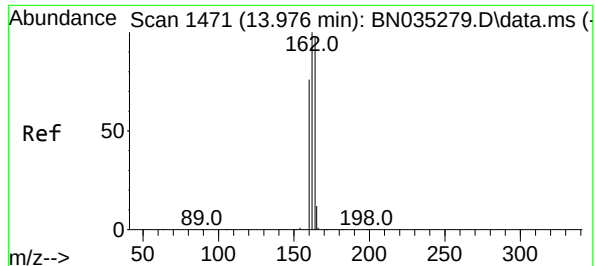
Tgt Ion:152 Resp: 2873
Ion Ratio Lower Upper
152 100
151 21.5 17.2 25.8



#12
2-Methylnaphthalene
Concen: 0.353 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:142 Resp: 3623
Ion Ratio Lower Upper
142 100
141 89.8 71.8 107.8
115 40.8 32.6 49.0

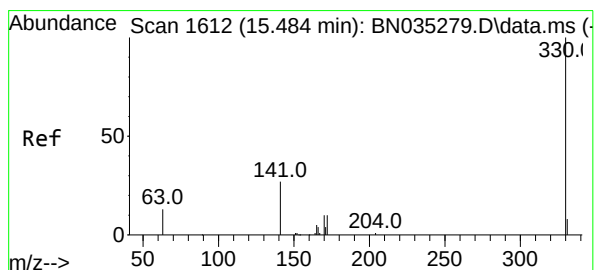
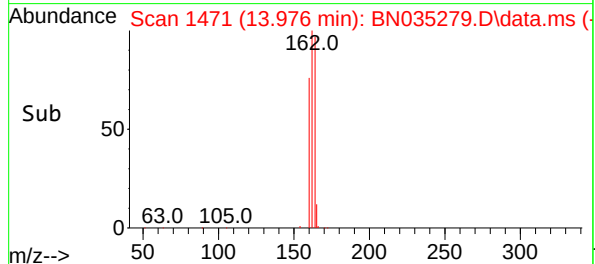
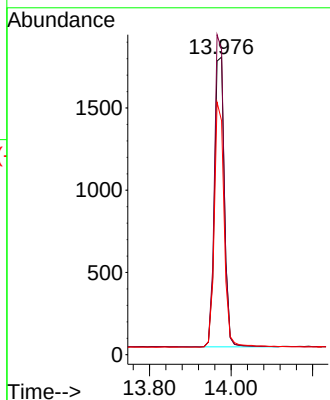
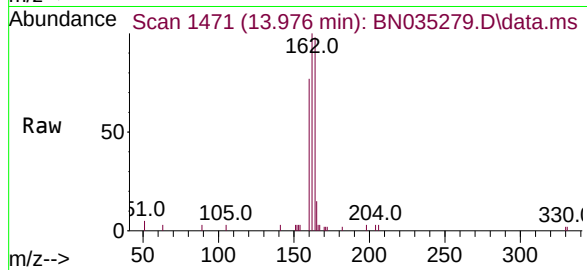




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

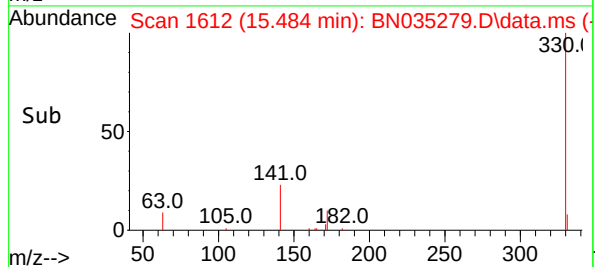
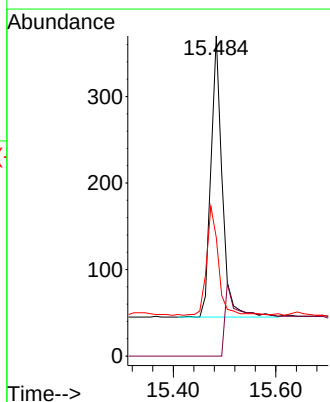
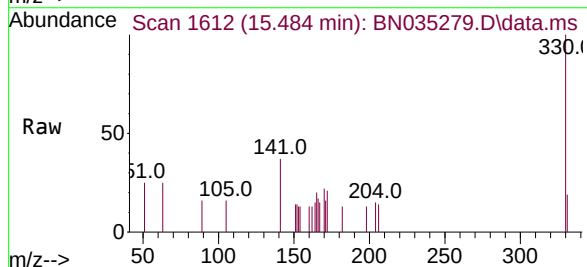
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

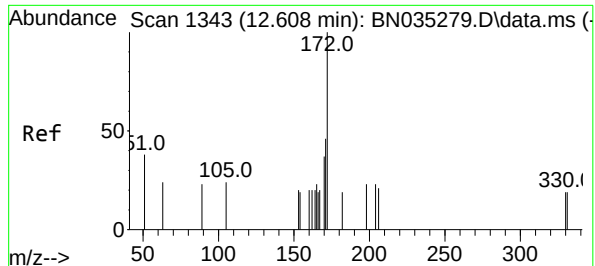
Tgt Ion:164 Resp: 2947
Ion Ratio Lower Upper
164 100
162 102.5 82.0 123.0
160 78.7 63.0 94.4



#14
2,4,6-Tribromophenol
Concen: 0.250 ng
RT: 15.484 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:330 Resp: 531
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 40.5 32.4 48.6

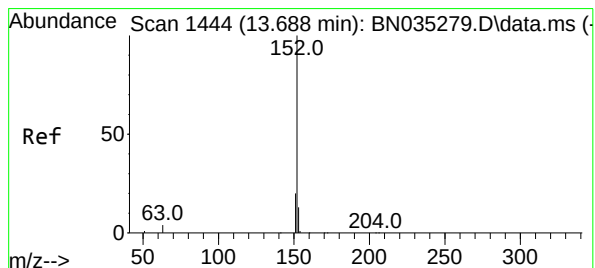
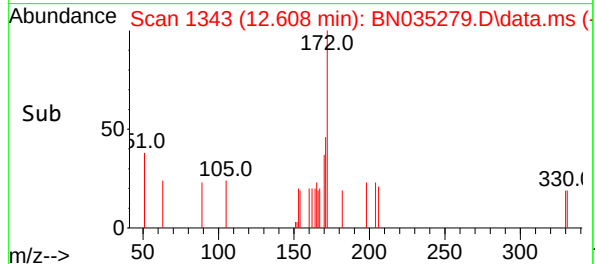
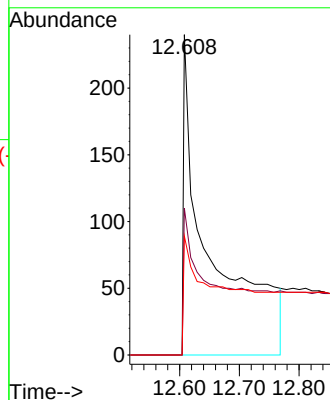
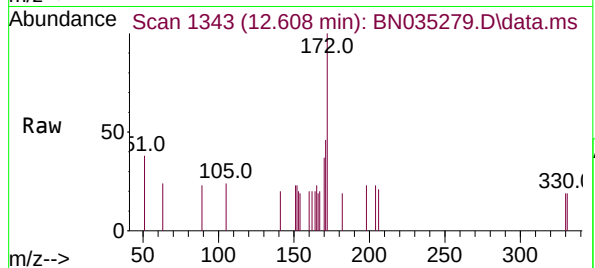




#15
2-Fluorobiphenyl
Concen: 0.060 ng
RT: 12.608 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

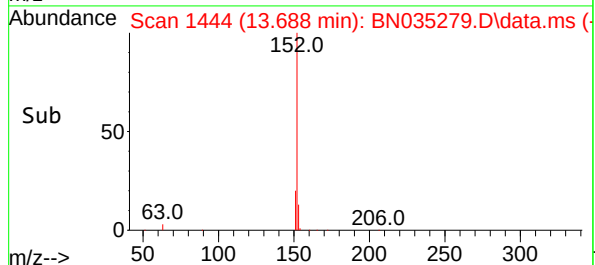
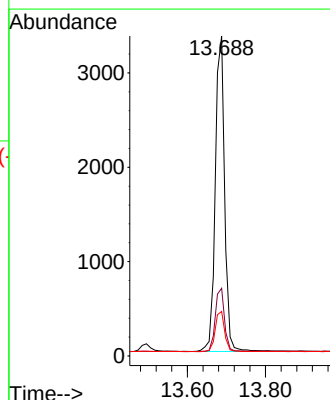
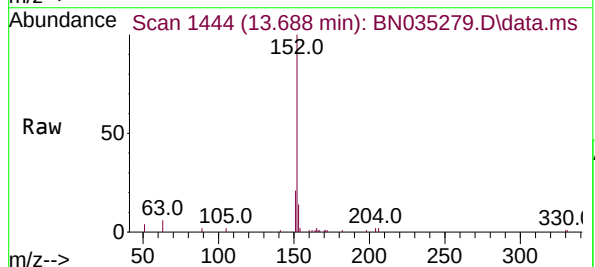
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

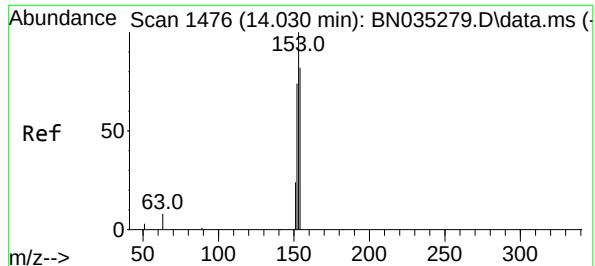
Tgt Ion:172 Resp: 721
Ion Ratio Lower Upper
172 100
171 45.8 36.6 55.0
170 37.1 29.7 44.5



#16
Acenaphthylene
Concen: 0.441 ng
RT: 13.688 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:152 Resp: 5556
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 12.8 10.2 15.4





#17

Acenaphthene

Concen: 0.420 ng

RT: 14.030 min Scan# 1476

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

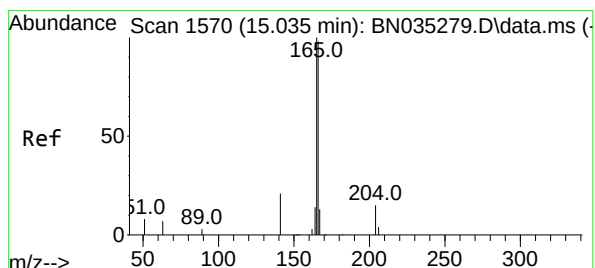
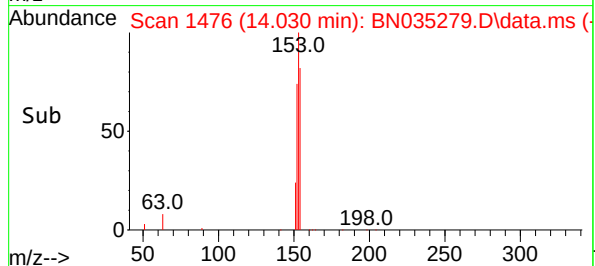
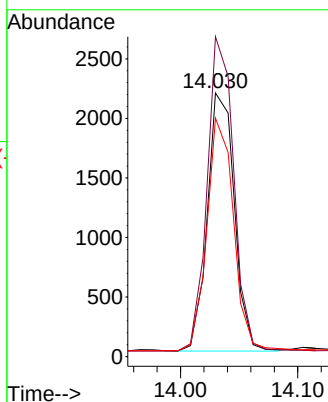
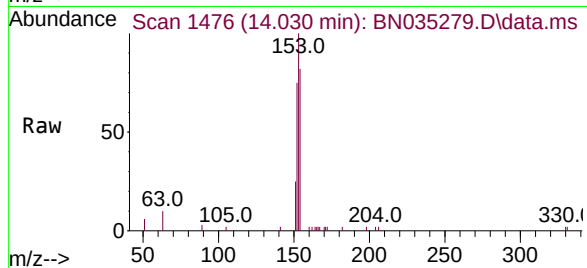
Tgt Ion:154 Resp: 3465

Ion Ratio Lower Upper

154 100

153 120.1 96.1 144.1

152 90.2 72.2 108.4



#18

Fluorene

Concen: 0.397 ng

RT: 15.035 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

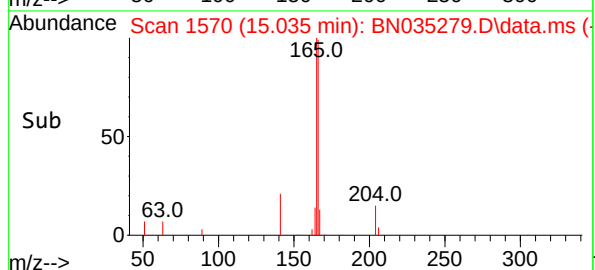
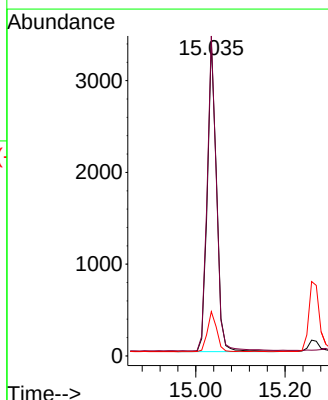
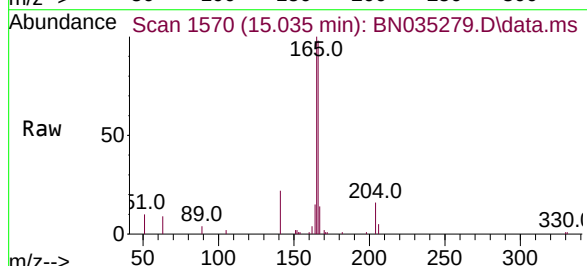
Tgt Ion:166 Resp: 4816

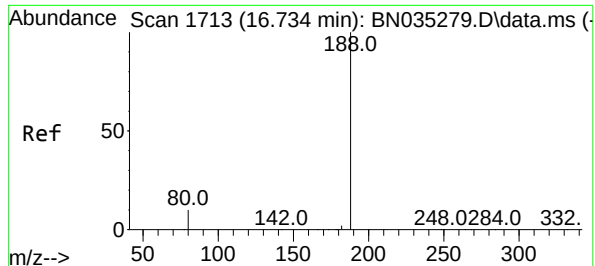
Ion Ratio Lower Upper

166 100

165 101.5 81.2 121.8

167 13.1 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.734 min Scan# 1713

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

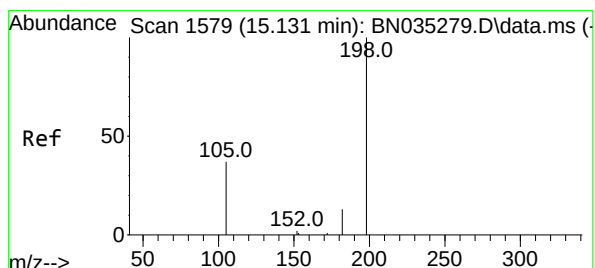
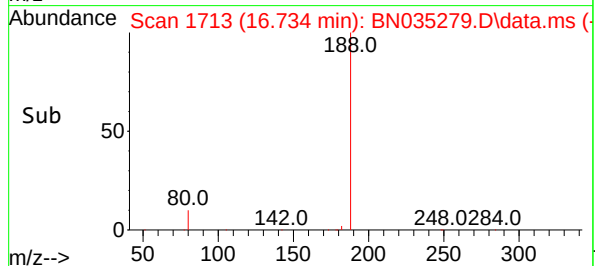
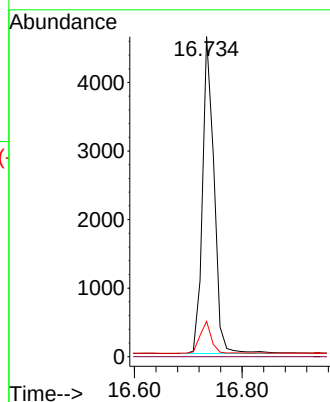
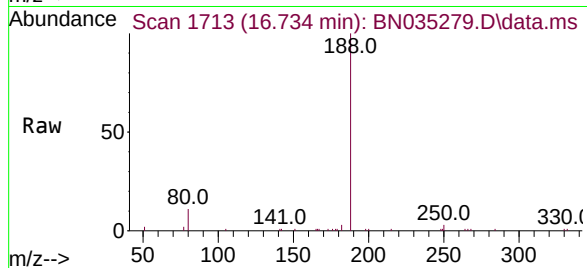
Tgt Ion:188 Resp: 6895

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.1 8.9 13.3



#20

4,6-Dinitro-2-methylphenol

Concen: 0.162 ng

RT: 15.131 min Scan# 1579

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

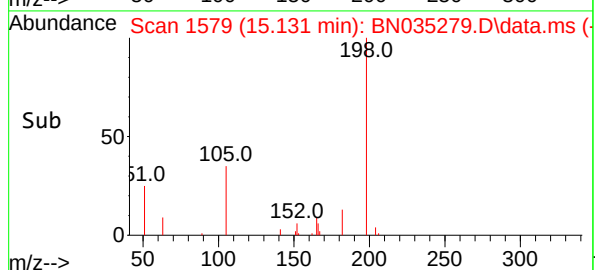
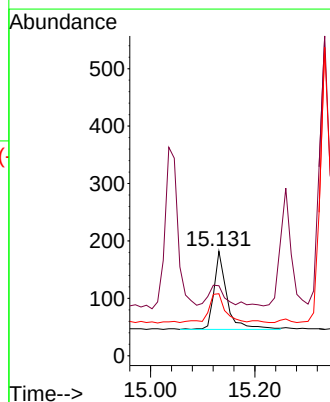
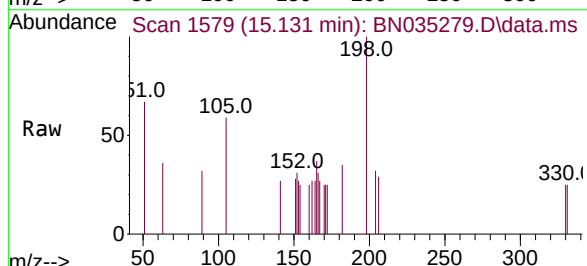
Tgt Ion:198 Resp: 233

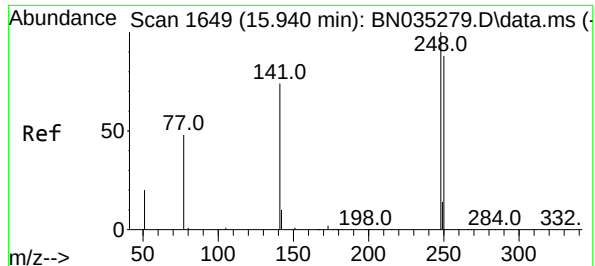
Ion Ratio Lower Upper

198 100

51 67.0 53.6 80.4

105 59.3 47.4 71.2

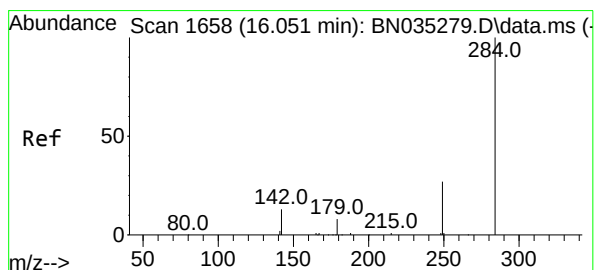
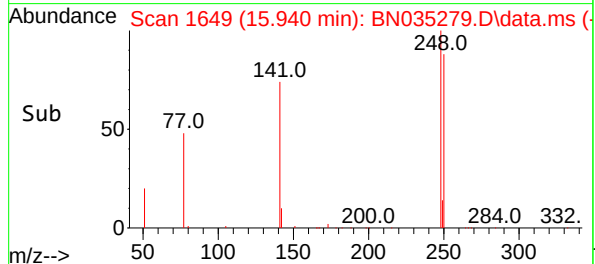
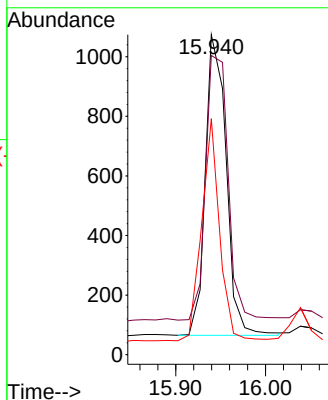
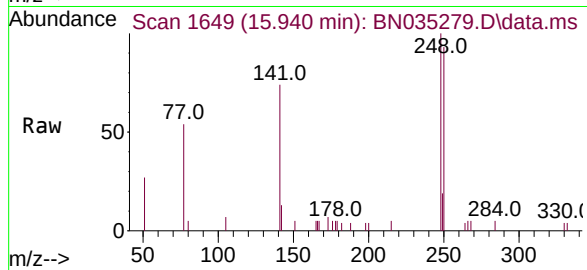




#21
4-Bromophenyl-phenylether
Concen: 0.369 ng
RT: 15.940 min Scan# 1649
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

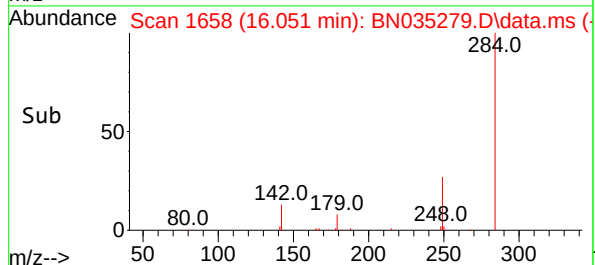
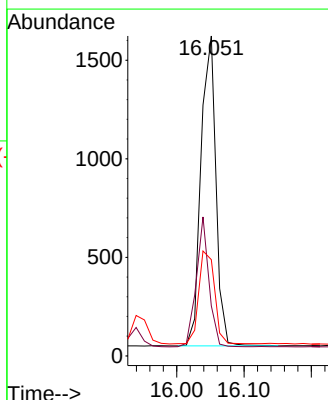
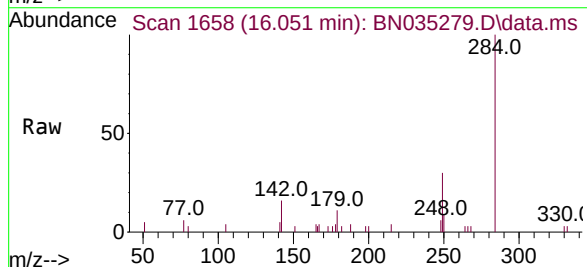
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

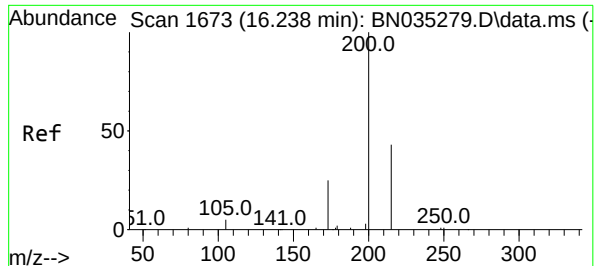
Tgt Ion	Ratio	Lower	Upper
248	100		
250	93.5	74.8	112.2
141	73.7	59.0	88.4



#22
Hexachlorobenzene
Concen: 0.533 ng
RT: 16.051 min Scan# 1658
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.9	28.7	43.1
249	31.7	25.4	38.0

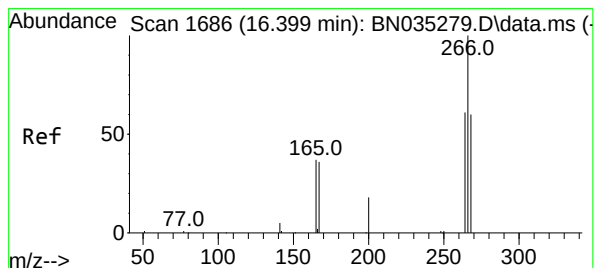
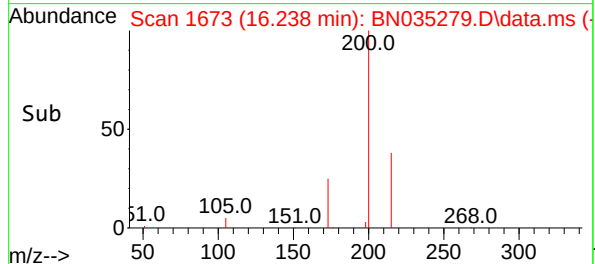
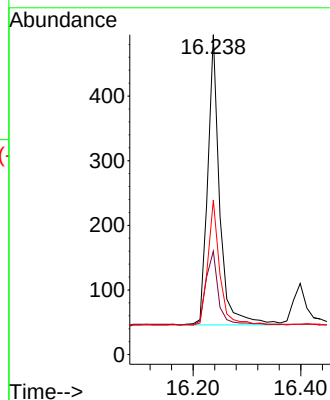
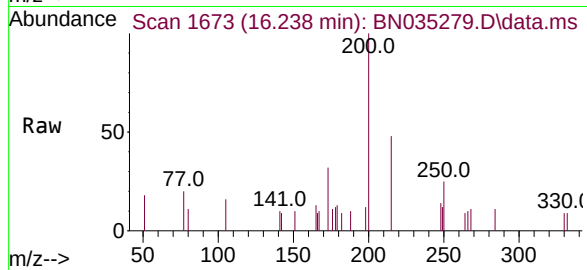




#23
Atrazine
Concen: 0.175 ng
RT: 16.238 min Scan# 1673
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

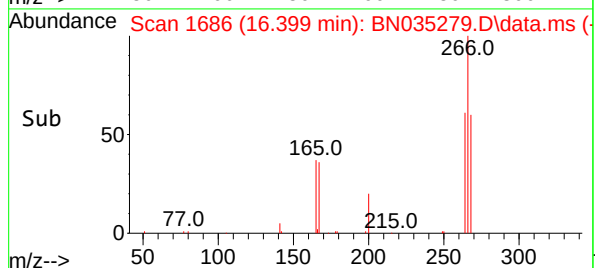
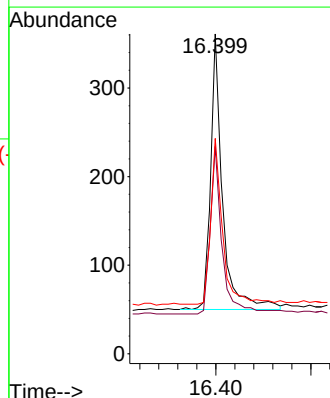
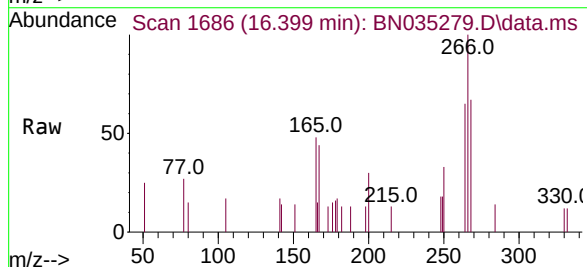
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

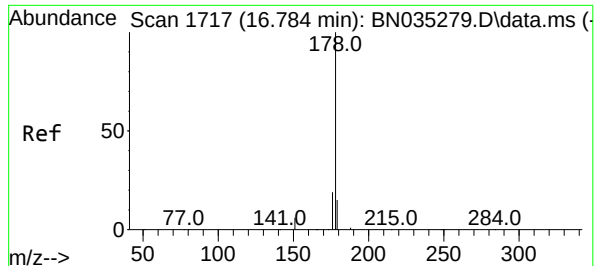
Tgt Ion	Ratio	Lower	Upper
200	100		
173	32.3	25.8	38.8
215	48.3	38.6	58.0



#24
Pentachlorophenol
Concen: 0.255 ng
RT: 16.399 min Scan# 1686
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.6	49.3	73.9
268	60.8	48.6	73.0

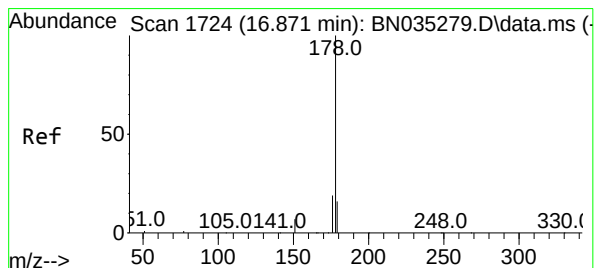
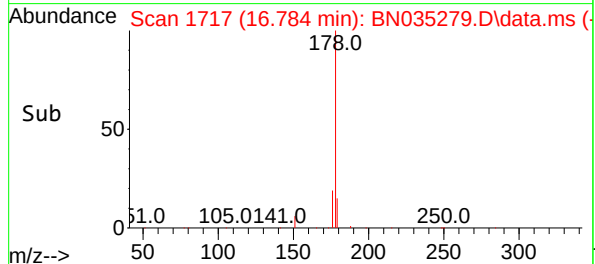
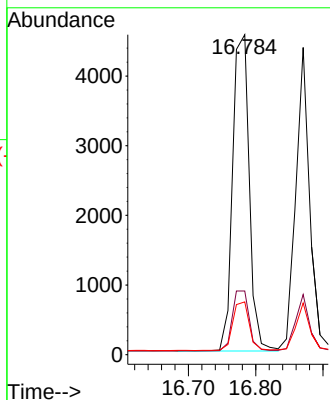
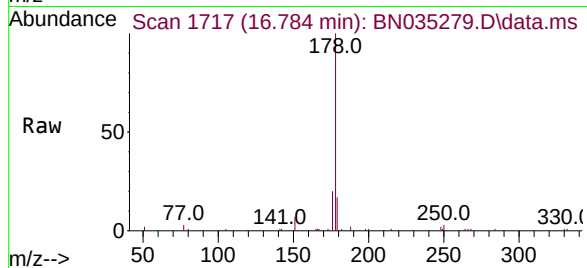




#25
Phenanthrene
Concen: 0.430 ng
RT: 16.784 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

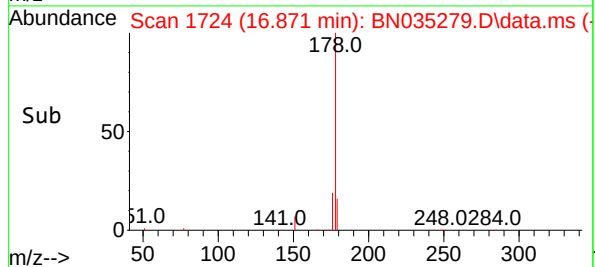
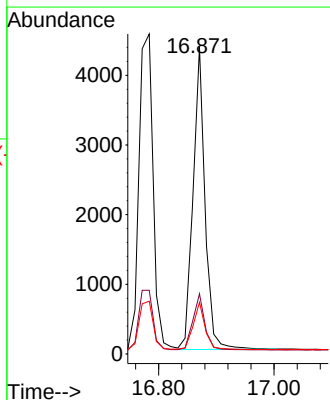
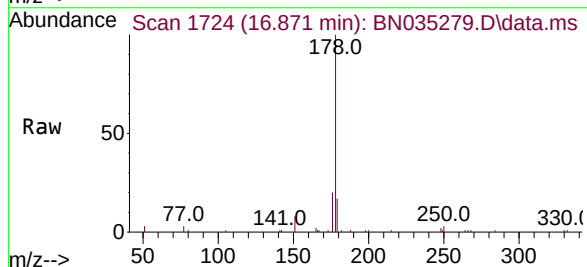
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

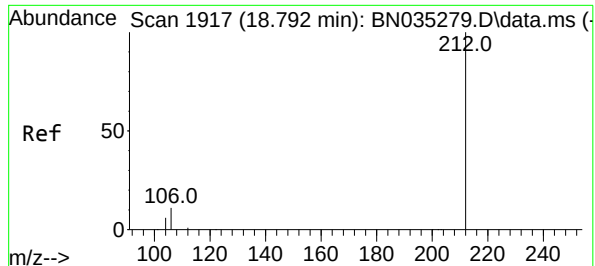
Tgt Ion:178 Resp: 7798
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.7 12.6 18.8



#26
Anthracene
Concen: 0.377 ng
RT: 16.871 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:178 Resp: 6280
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.5 12.4 18.6





#27

Fluoranthene-d10

Concen: 0.316 ng

RT: 18.792 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

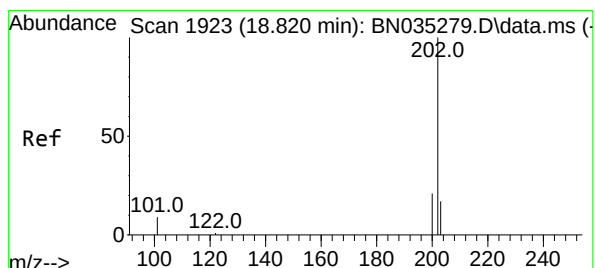
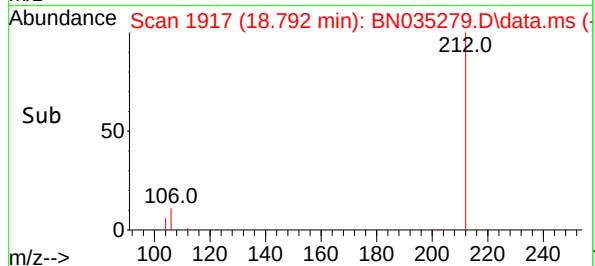
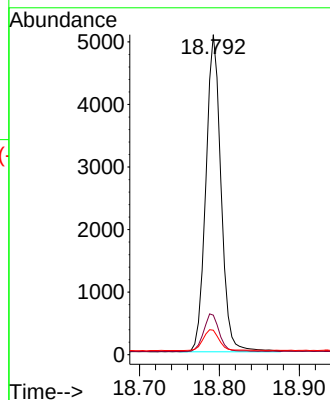
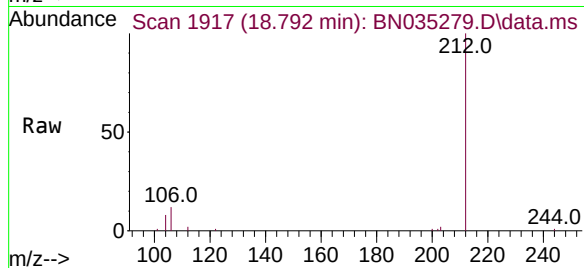
Tgt Ion:212 Resp: 6669

Ion Ratio Lower Upper

212 100

106 12.3 9.8 14.8

104 7.0 5.6 8.4



#28

Fluoranthene

Concen: 0.370 ng

RT: 18.820 min Scan# 1923

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

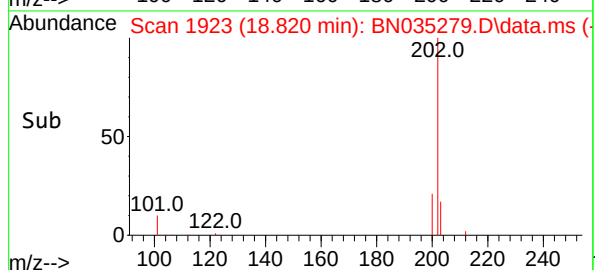
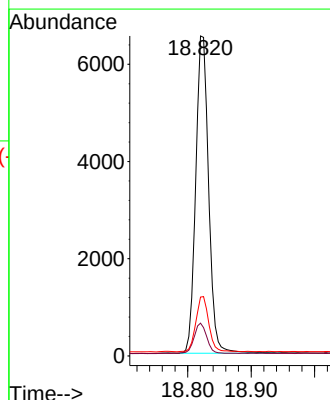
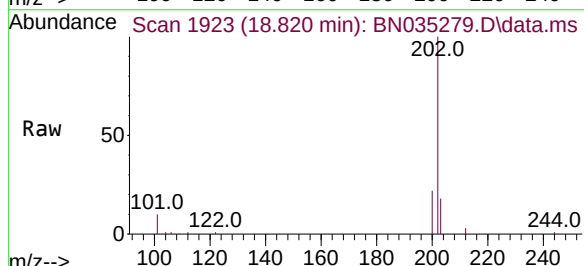
Tgt Ion:202 Resp: 9240

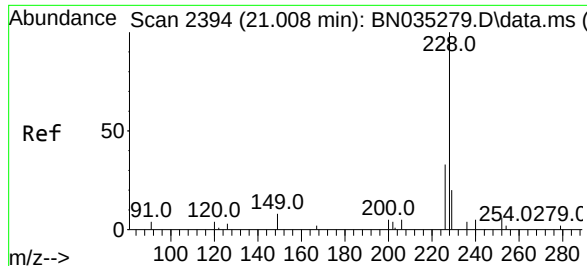
Ion Ratio Lower Upper

202 100

101 9.5 7.6 11.4

203 17.3 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

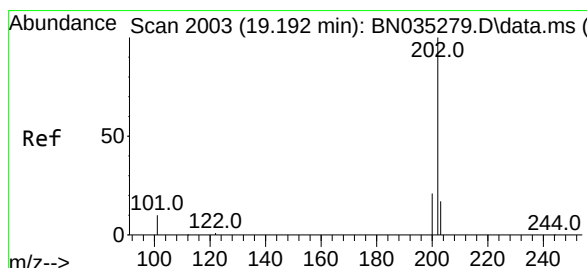
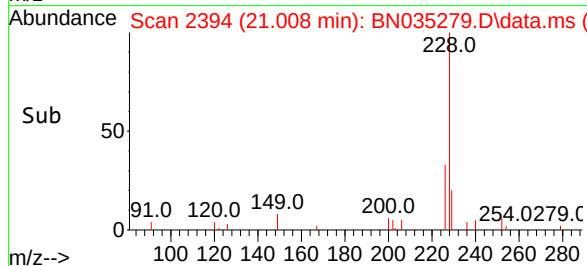
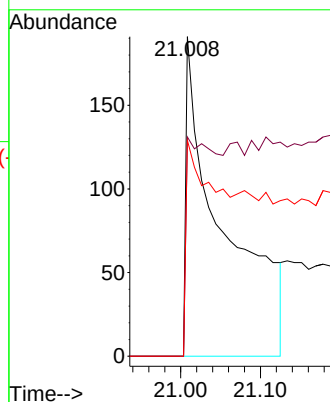
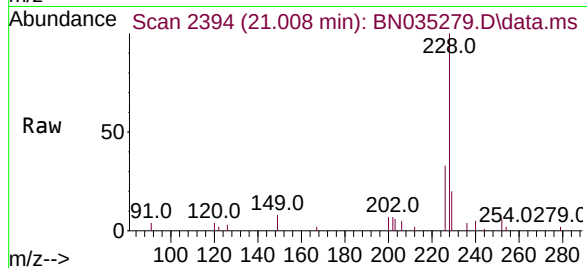
Tgt Ion:240 Resp: 586

Ion Ratio Lower Upper

240 100

120 68.6 54.9 82.3

236 67.5 54.0 81.0



#30

Pyrene

Concen: 4.590 ng

RT: 19.192 min Scan# 2003

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

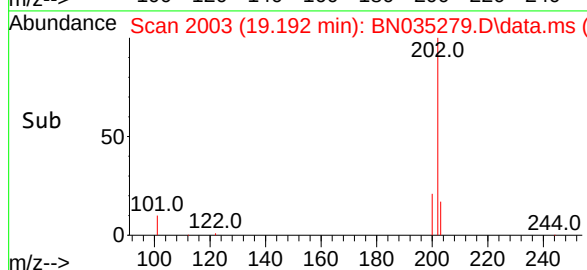
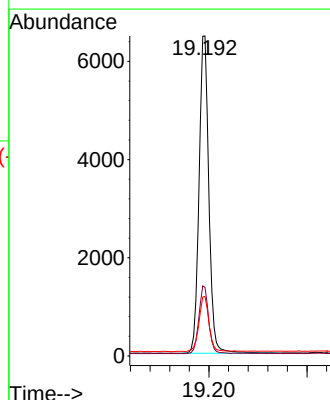
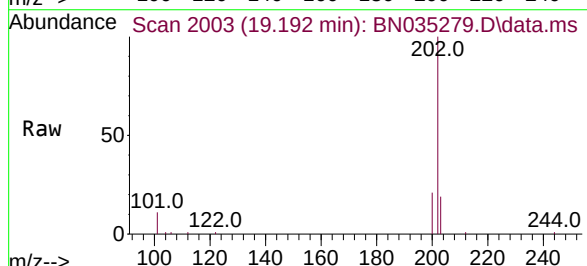
Tgt Ion:202 Resp: 8957

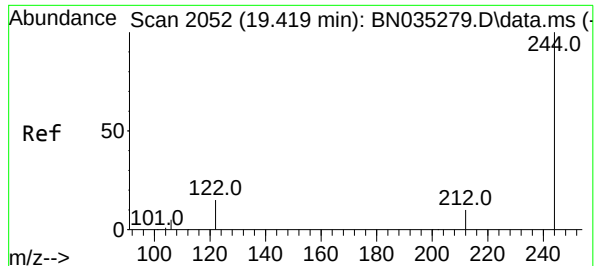
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 18.0 14.4 21.6

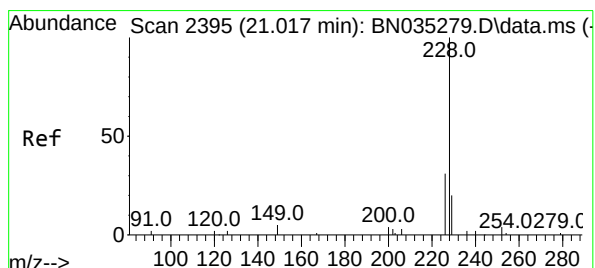
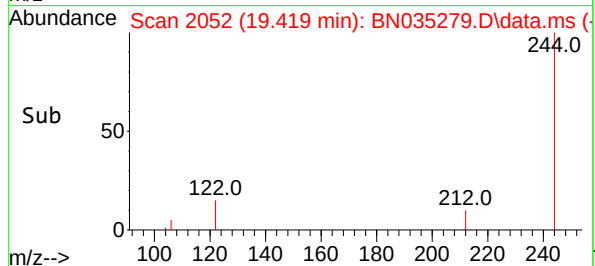
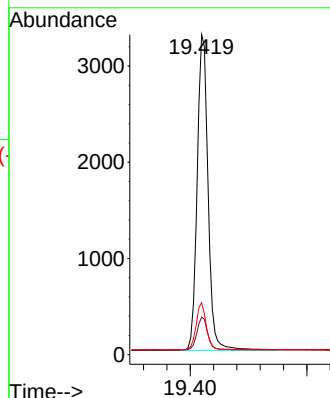
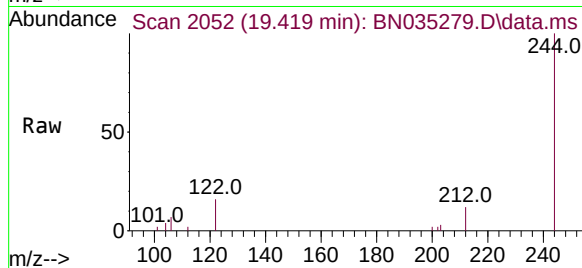




#31
Terphenyl-d14
Concen: 3.460 ng
RT: 19.419 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

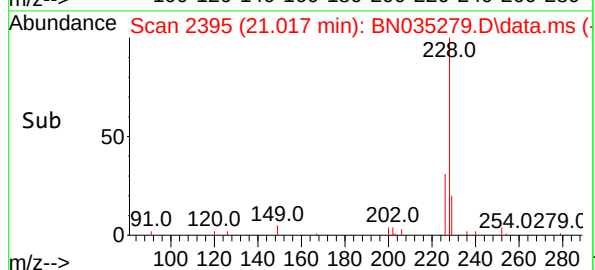
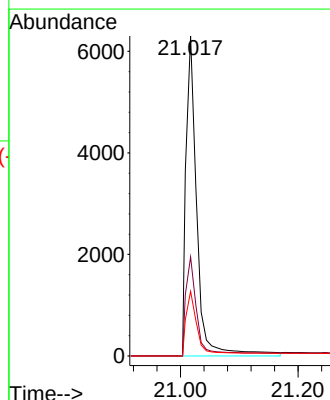
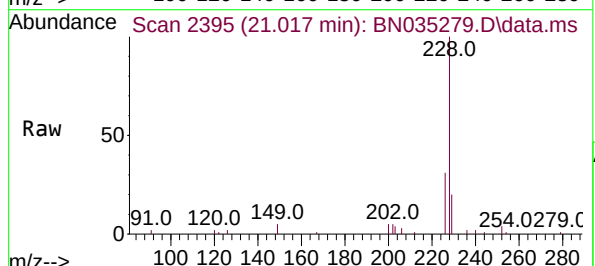
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

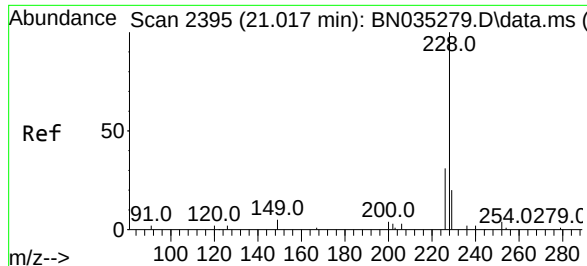
Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.7	9.4	14.0
122	16.2	13.0	19.4



#32
Benzo(a)anthracene
Concen: 3.970 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.7	37.1
229	20.2	16.2	24.2





#33

Chrysene

Concen: 4.007 ng

RT: 21.017 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

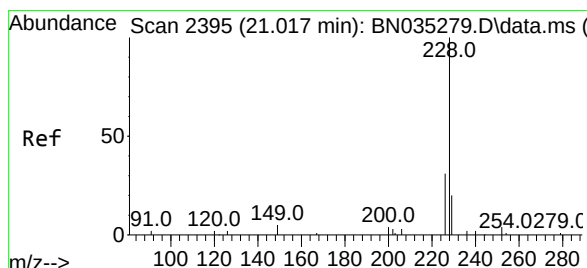
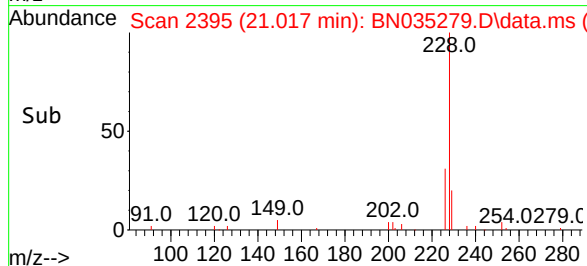
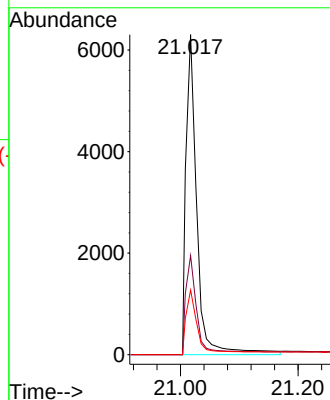
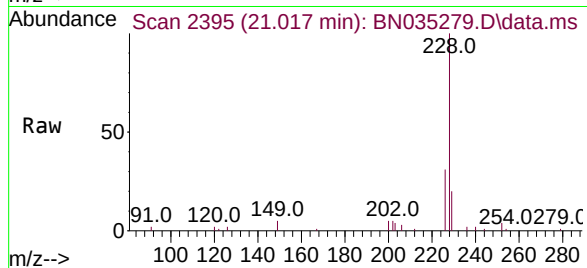
Tgt Ion:228 Resp: 8100

Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

229 20.2 16.2 24.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.498 ng

RT: 21.017 min Scan# 2395

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

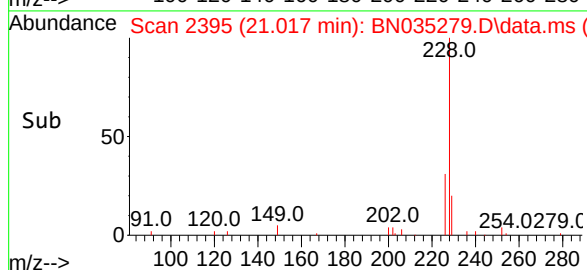
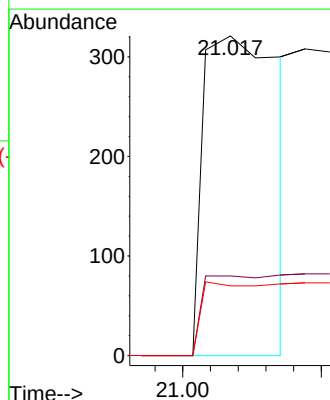
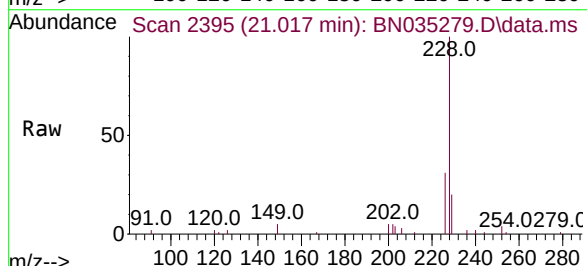
Tgt Ion:149 Resp: 533

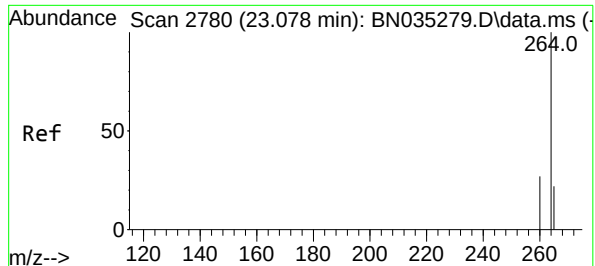
Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

279 16.3 13.0 19.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.078 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

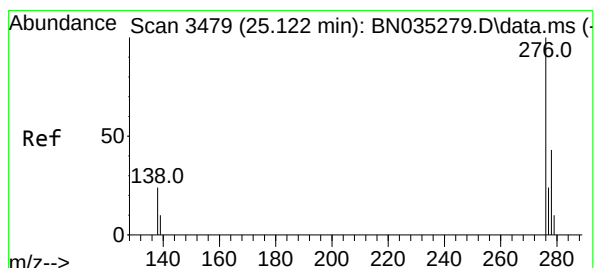
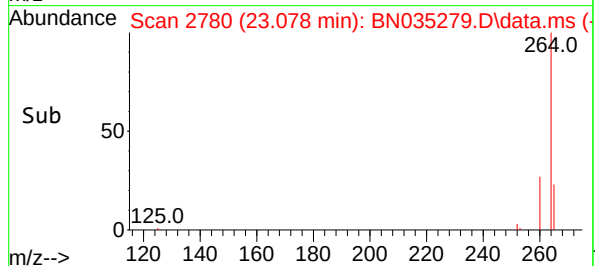
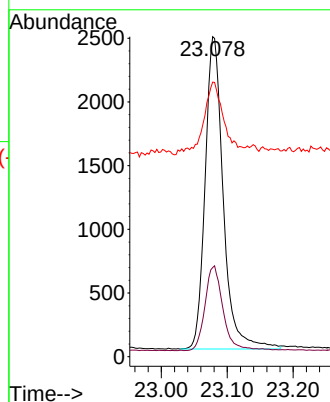
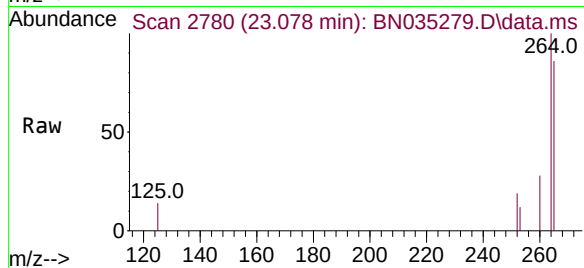
Tgt Ion:264 Resp: 4692

Ion Ratio Lower Upper

264 100

260 27.9 22.3 33.5

265 85.8 68.6 103.0



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.382 ng

RT: 25.122 min Scan# 3479

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

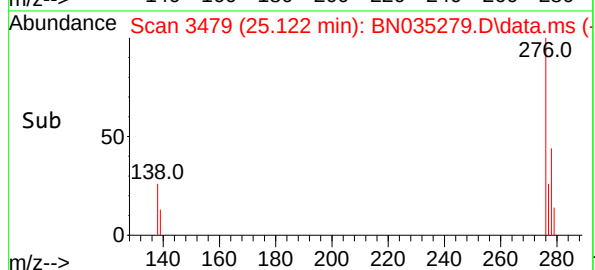
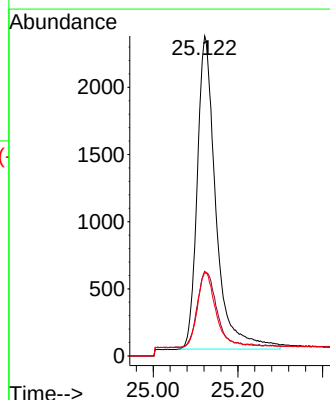
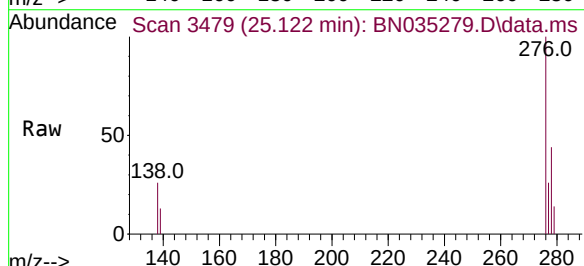
Tgt Ion:276 Resp: 7146

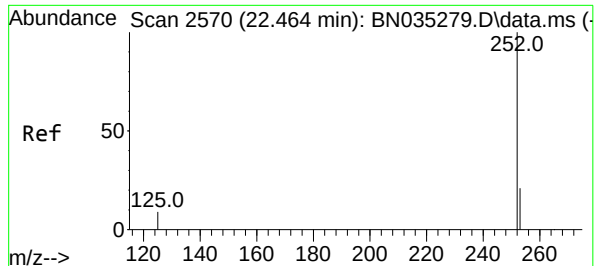
Ion Ratio Lower Upper

276 100

138 23.5 18.8 28.2

277 22.8 18.2 27.4





#37

Benzo(b)fluoranthene

Concen: 0.432 ng

RT: 22.464 min Scan# 2570

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

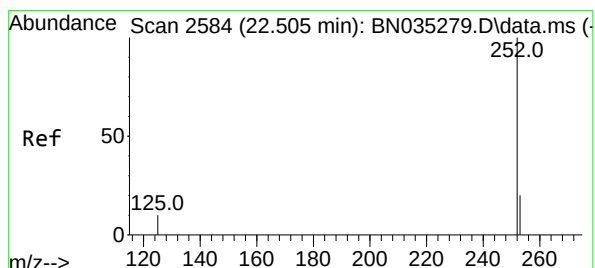
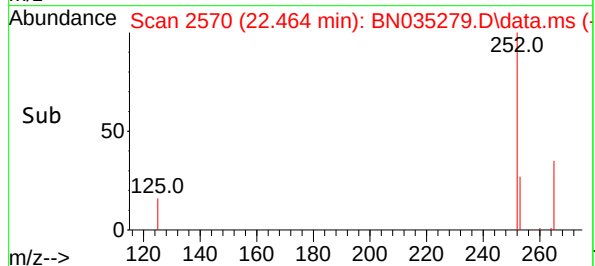
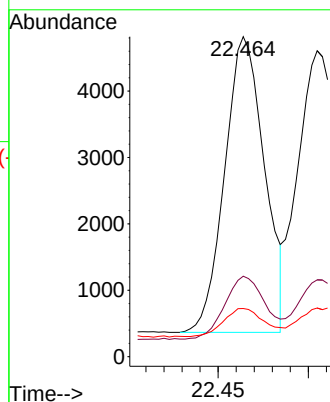
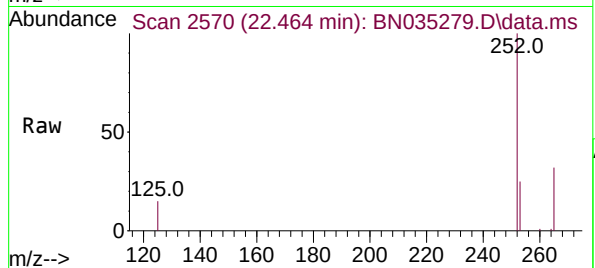
Tgt Ion:252 Resp: 6813

Ion Ratio Lower Upper

252 100

253 25.2 20.2 30.2

125 15.0 12.0 18.0



#38

Benzo(k)fluoranthene

Concen: 0.485 ng

RT: 22.505 min Scan# 2584

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

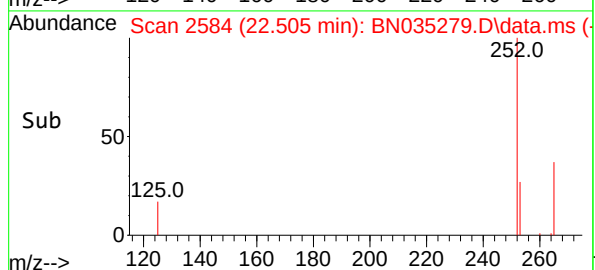
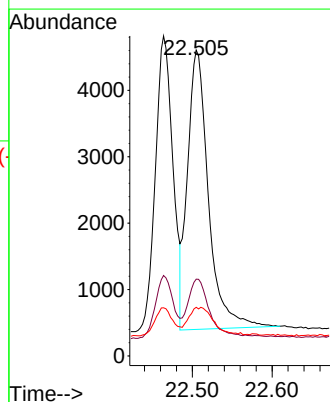
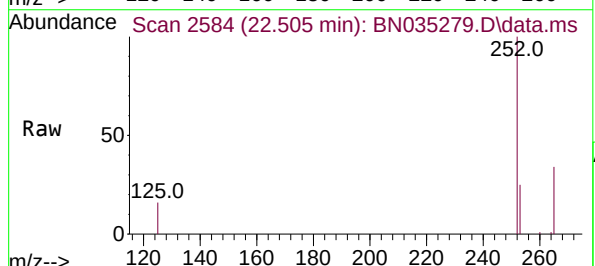
Tgt Ion:252 Resp: 7659

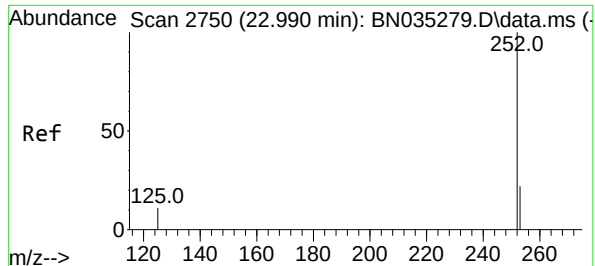
Ion Ratio Lower Upper

252 100

253 25.1 20.1 30.1

125 15.9 12.7 19.1





#39

Benzo(a)pyrene

Concen: 0.386 ng

RT: 22.990 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

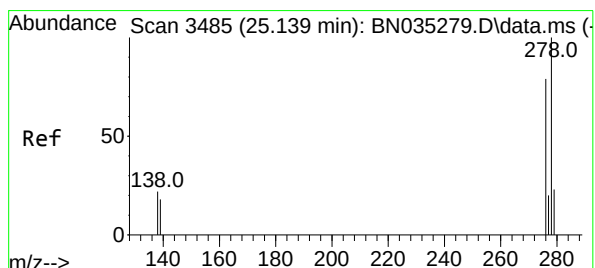
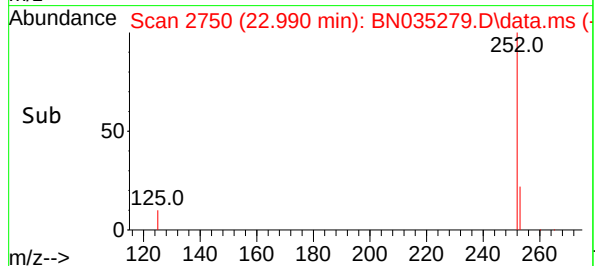
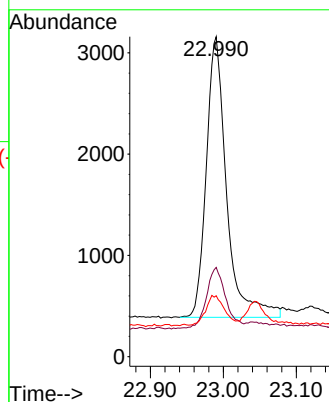
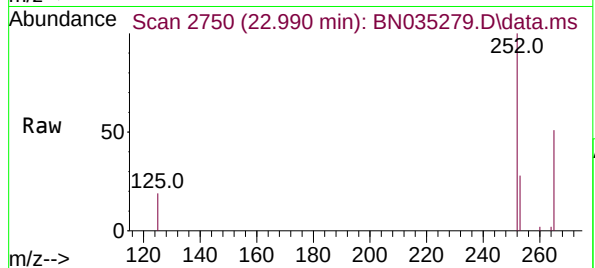
Tgt Ion:252 Resp: 5365

Ion Ratio Lower Upper

252 100

253 27.9 22.3 33.5

125 19.1 15.3 22.9



#40

Dibenzo(a,h)anthracene

Concen: 0.350 ng

RT: 25.139 min Scan# 3485

Delta R.T. 0.000 min

Lab File: BN035279.D

Acq: 25 Nov 2024 11:28

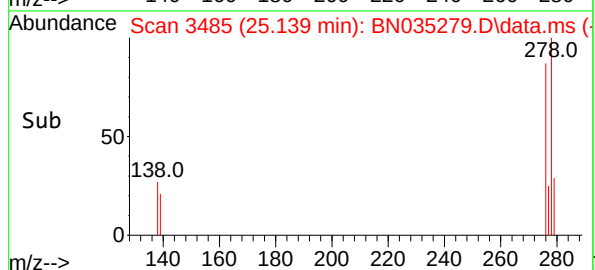
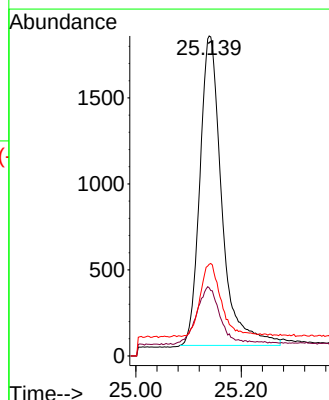
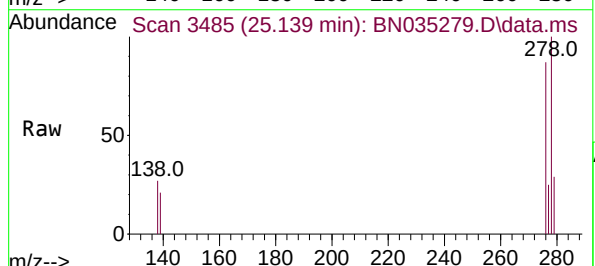
Tgt Ion:278 Resp: 5194

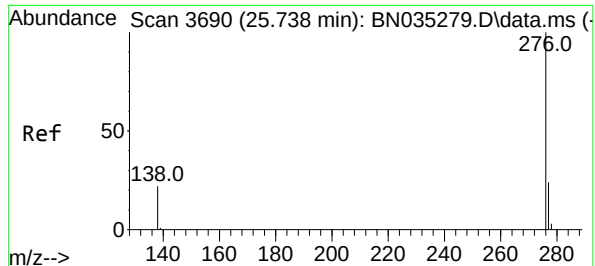
Ion Ratio Lower Upper

278 100

139 21.3 17.0 25.6

279 28.7 23.0 34.4





#41

Benzo(g,h,i)perylene

Concen: 0.369 ng

RT: 25.738 min Scan# 30

Delta R.T. 0.000 min

Lab File: BN035279.D

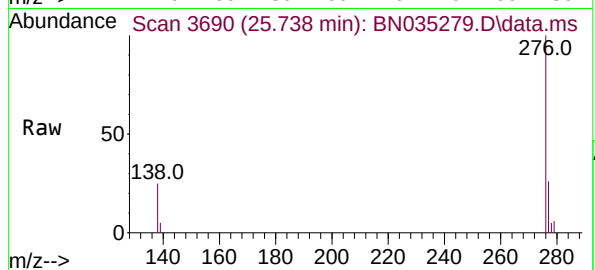
Acq: 25 Nov 2024 11:28

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



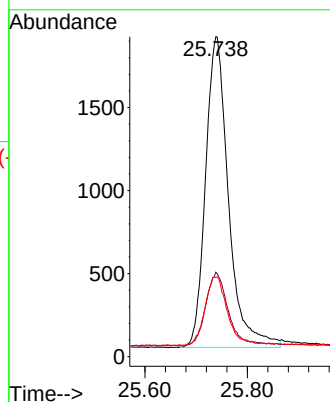
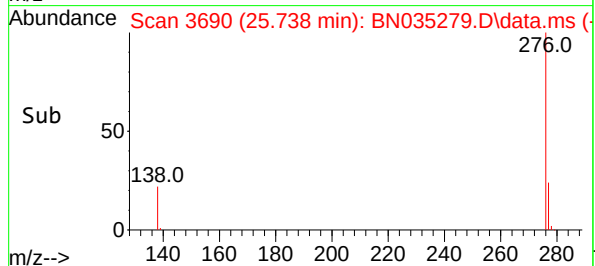
Tgt Ion:276 Resp: 5823

Ion Ratio Lower Upper

276 100

277 26.4 21.1 31.7

138 24.8 19.8 29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035280.D
 Acq On : 25 Nov 2024 12:04
 Operator : RC/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.8

Quant Time: Nov 25 14:19:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 25 14:16:35 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

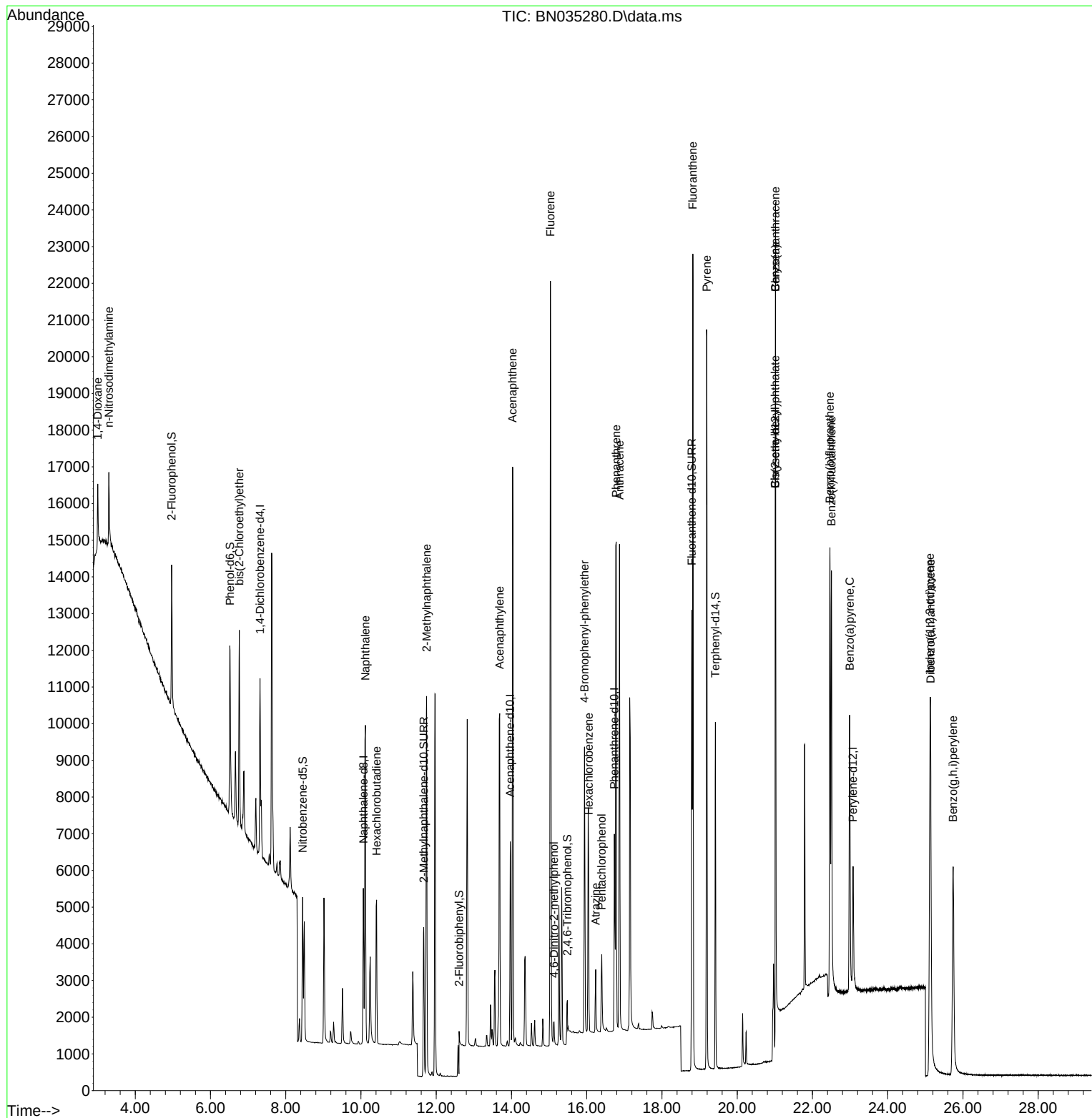
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	2258	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	5425	0.400	ng	0.00
13) Acenaphthene-d10	13.966	164	2924	0.400	ng	-0.01
19) Phenanthrene-d10	16.734	188	6884	0.400	ng	0.00
29) Chrysene-d12	21.008	240	725	0.400	ng	0.00
35) Perylene-d12	23.078	264	4193	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	3276	0.572	ng	0.00
5) Phenol-d6	6.520	99	4617	0.642	ng	0.00
8) Nitrobenzene-d5	8.450	82	3545	0.751	ng	0.00
11) 2-Methylnaphthalene-d10	11.666	152	5717	0.591	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	1086	0.515	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	691	0.058	ng	0.00
27) Fluoranthene-d10	18.792	212	13734	0.651	ng	0.00
31) Terphenyl-d14	19.419	244	8811	5.792	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	1187	0.579	ng	# 83
3) n-Nitrosodimethylamine	3.299	42	1383	0.724	ng	# 78
6) bis(2-Chloroethyl)ether	6.766	93	4007	0.743	ng	99
9) Naphthalene	10.116	128	11664	0.824	ng	98
10) Hexachlorobutadiene	10.415	225	3379	0.814	ng	# 100
12) 2-Methylnaphthalene	11.742	142	7328	0.701	ng	99
16) Acenaphthylene	13.688	152	11221	0.898	ng	99
17) Acenaphthene	14.030	154	6985	0.853	ng	99
18) Fluorene	15.035	166	9874	0.820	ng	100
20) 4,6-Dinitro-2-methylph...	15.131	198	542	0.378	ng	# 71
21) 4-Bromophenyl-phenylether	15.939	248	3203	0.730	ng	98
22) Hexachlorobenzene	16.051	284	5001	1.099	ng	99
23) Atrazine	16.237	200	1376	0.350	ng	95
24) Pentachlorophenol	16.399	266	1125	0.529	ng	96
25) Phenanthrene	16.783	178	16001	0.883	ng	99
26) Anthracene	16.870	178	13123	0.789	ng	99
28) Fluoranthene	18.820	202	20007	0.803	ng	100
30) Pyrene	19.192	202	18434	7.635	ng	99
32) Benzo(a)anthracene	21.017	228	16677	6.606	ng	99
33) Chrysene	21.017	228	16677	6.669	ng	99
34) Bis(2-ethylhexyl)phtha...	21.008	149	733	0.553	ng	# 62
36) Indeno(1,2,3-cd)pyrene	25.124	276	13203	0.789	ng	99
37) Benzo(b)fluoranthene	22.464	252	14372	1.019	ng	95
38) Benzo(k)fluoranthene	22.505	252	15061	1.067	ng	# 95
39) Benzo(a)pyrene	22.987	252	10876	0.876	ng	# 92
40) Dibenzo(a,h)anthracene	25.139	278	10078	0.760	ng	94
41) Benzo(g,h,i)perylene	25.738	276	11838	0.840	ng	97

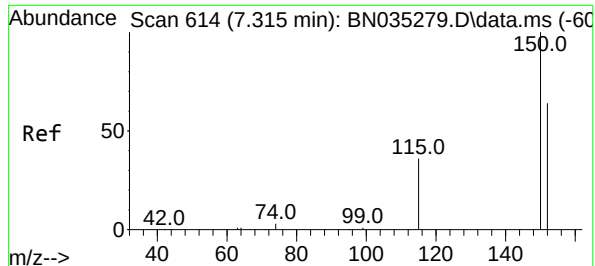
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035280.D
Acq On : 25 Nov 2024 12:04
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

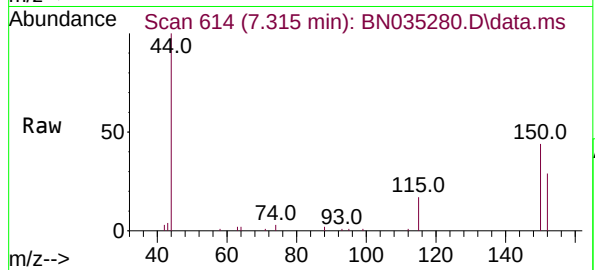
Quant Time: Nov 25 14:19:24 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration



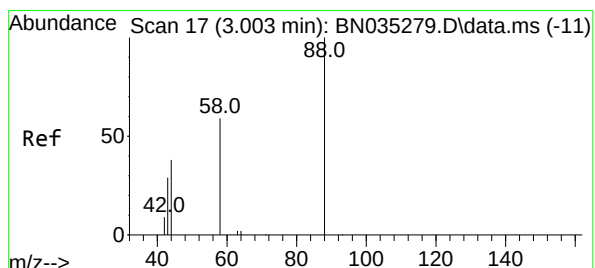
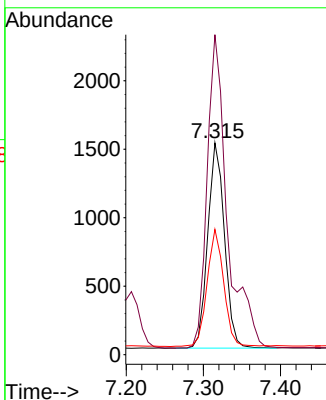
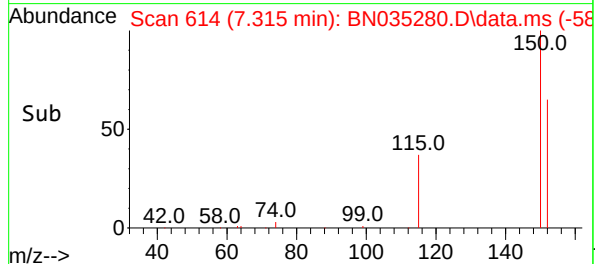


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

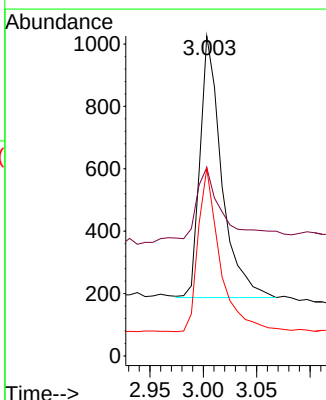
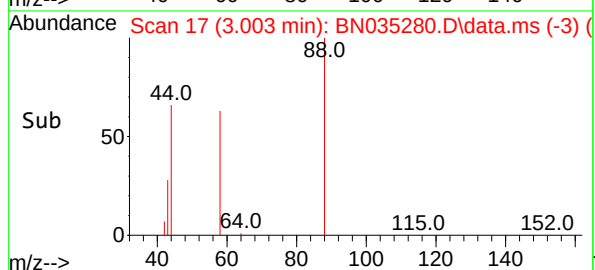
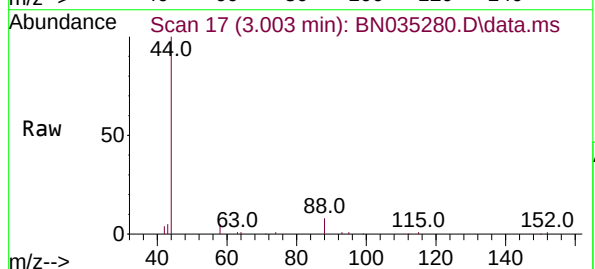


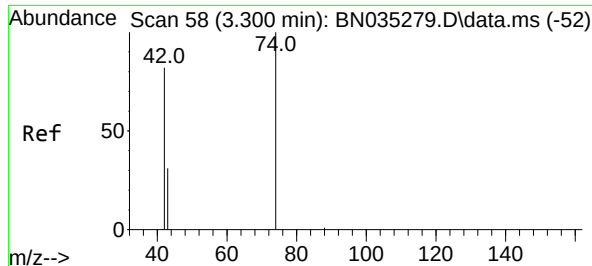
Tgt Ion:152 Resp: 2258
Ion Ratio Lower Upper
152 100
150 151.1 124.5 186.7
115 59.1 47.8 71.8



#2
1,4-Dioxane
Concen: 0.579 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion: 88 Resp: 1187
Ion Ratio Lower Upper
88 100
43 39.6 48.1 72.1#
58 63.3 46.9 70.3

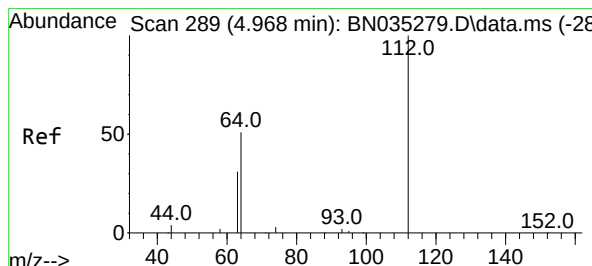
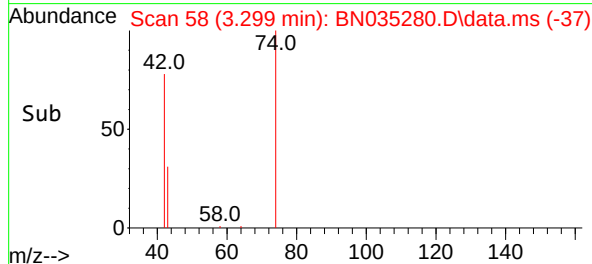
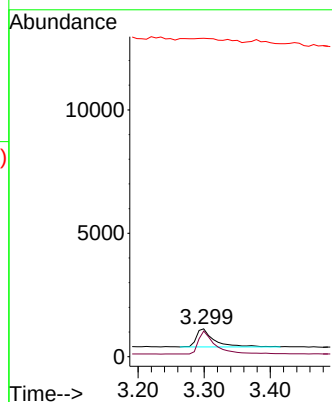
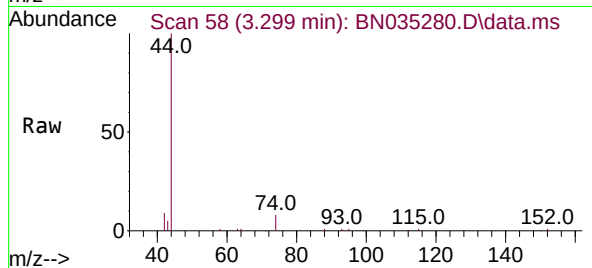




#3
n-Nitrosodimethylamine
Concen: 0.724 ng
RT: 3.299 min Scan# 58
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

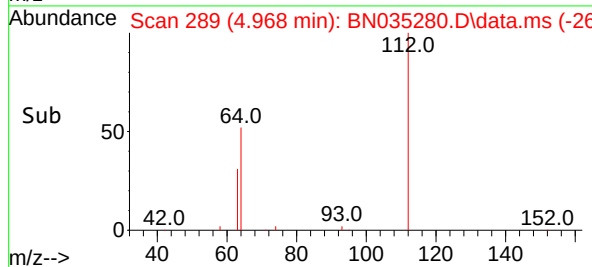
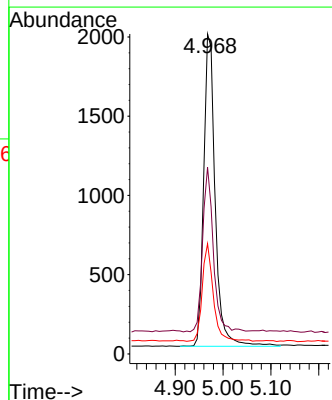
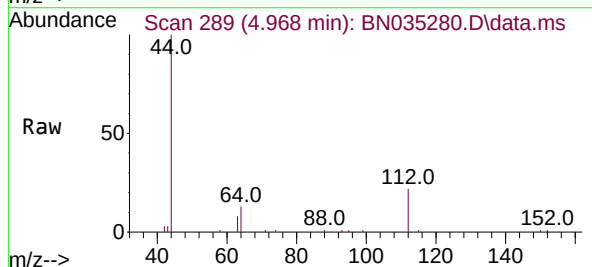
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

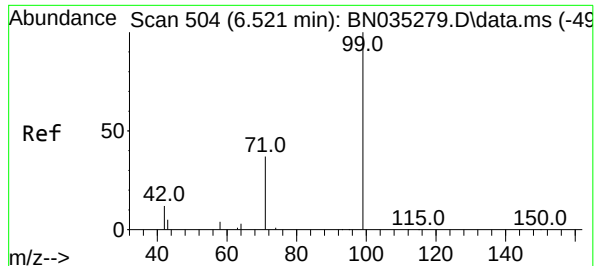
Tgt Ion: 42 Resp: 1383
Ion Ratio Lower Upper
42 100
74 120.0 102.7 154.1
44 0.0 34.1 51.1#



#4
2-Fluorophenol
Concen: 0.572 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion: 112 Resp: 3276
Ion Ratio Lower Upper
112 100
64 49.6 40.4 60.6
63 30.1 23.8 35.8

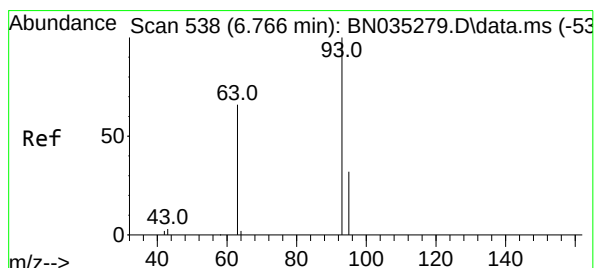
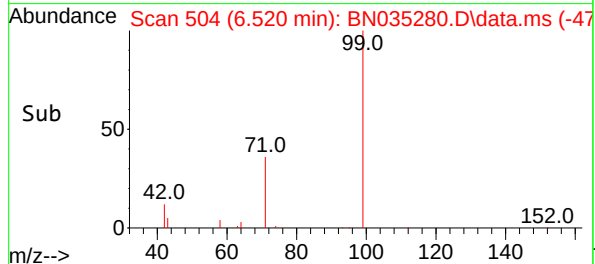
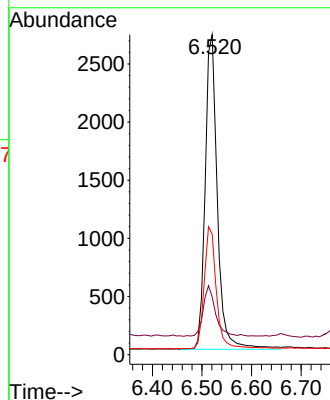
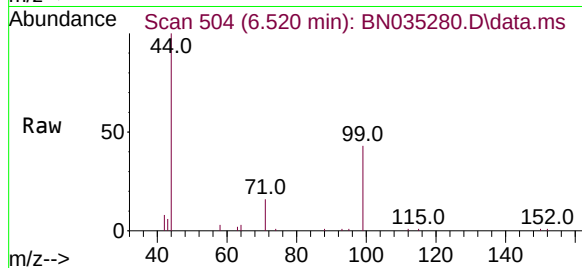




#5
Phenol-d6
Concen: 0.642 ng
RT: 6.520 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

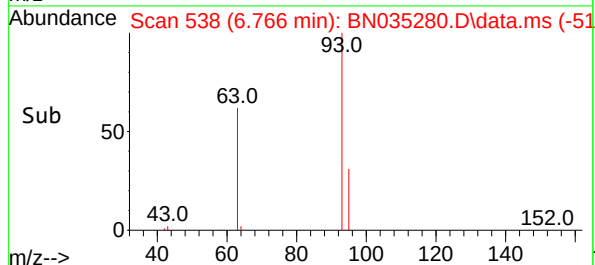
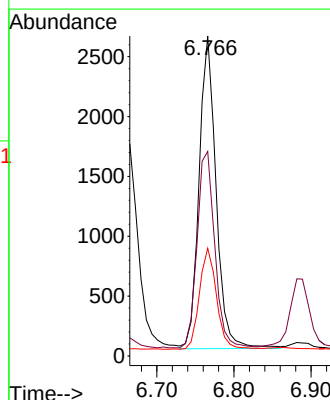
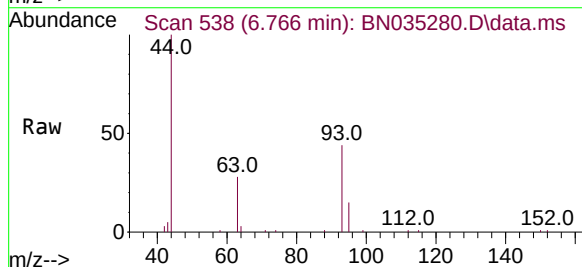
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

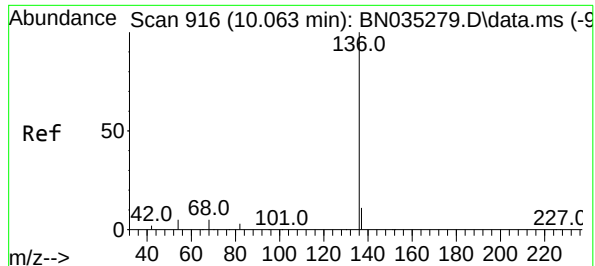
Tgt Ion: 99 Resp: 4617
Ion Ratio Lower Upper
99 100
42 16.7 12.8 19.2
71 38.6 31.4 47.2



#6
bis(2-Chloroethyl)ether
Concen: 0.743 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion: 93 Resp: 4007
Ion Ratio Lower Upper
93 100
63 65.0 52.3 78.5
95 32.3 25.5 38.3

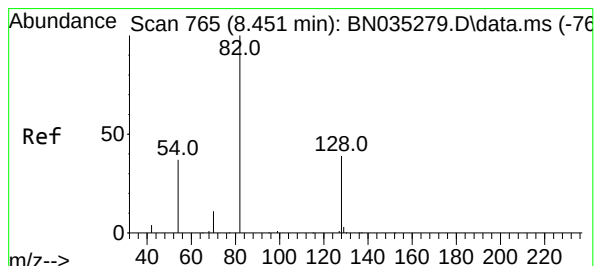
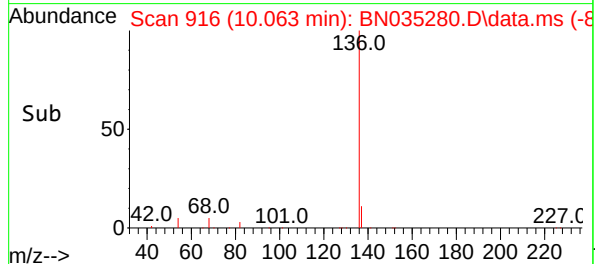
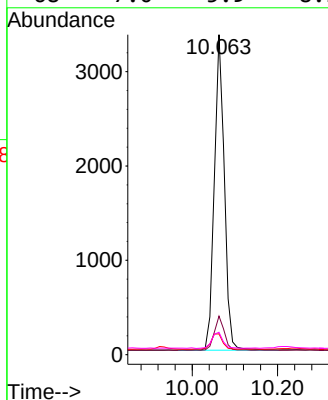
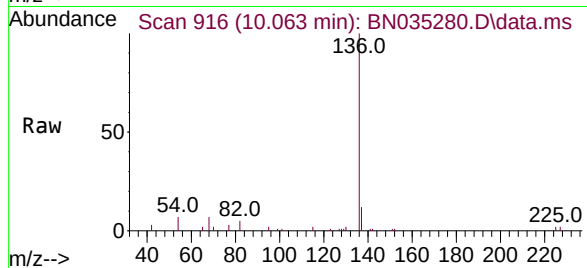




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

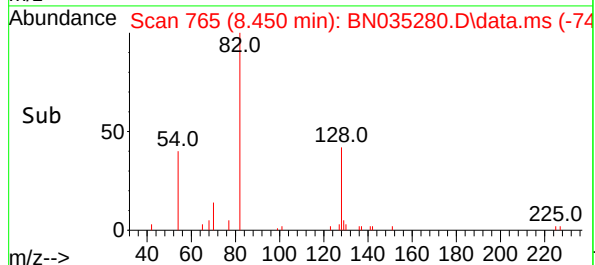
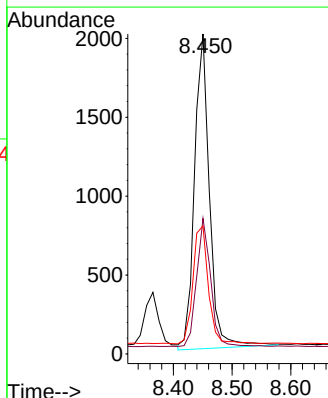
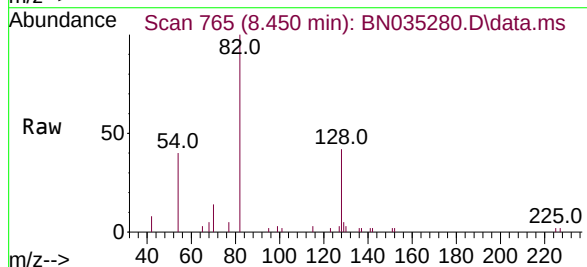
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

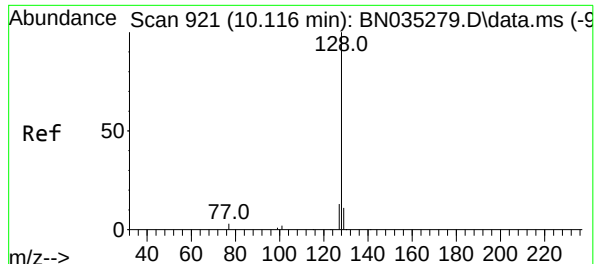
Tgt Ion:	136	Resp:	5425
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	6.5	5.3	7.9
68	7.0	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.751 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:	82	Resp:	3545
Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.0	49.4
54	40.0	33.3	49.9

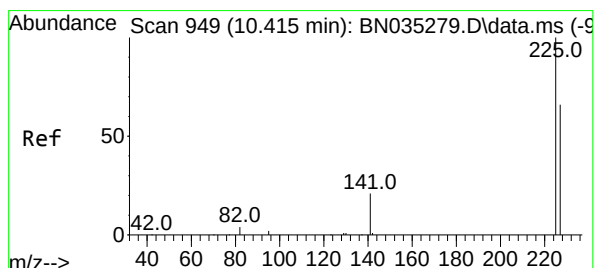
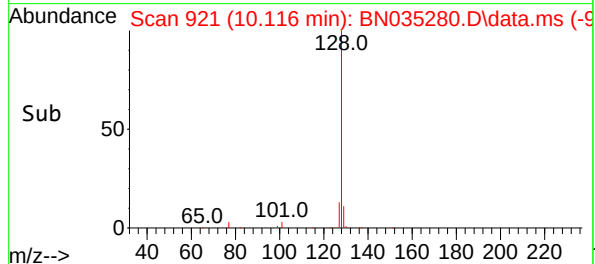
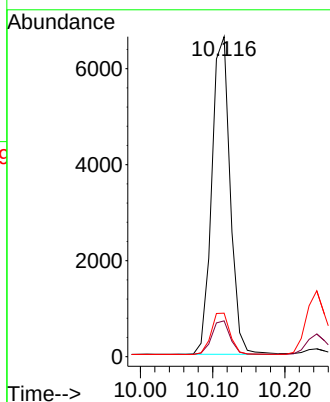
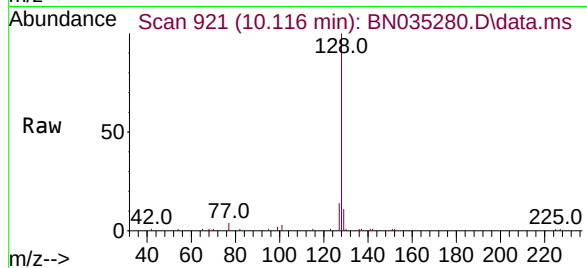




#9
Naphthalene
Concen: 0.824 ng
RT: 10.116 min Scan# 921
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

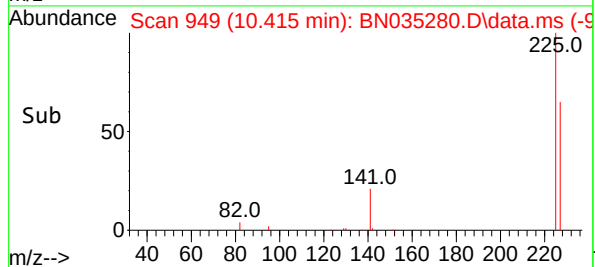
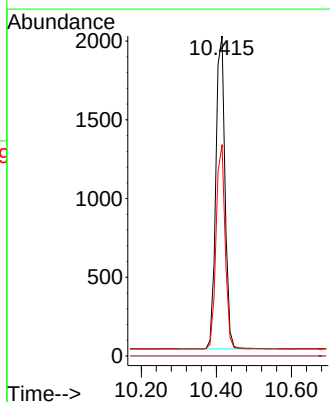
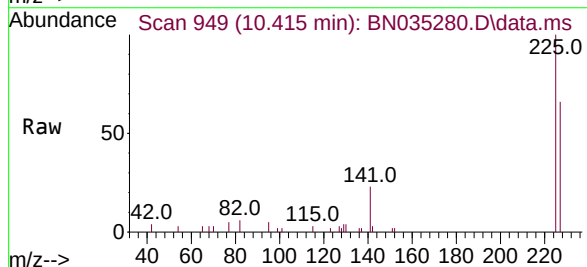
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

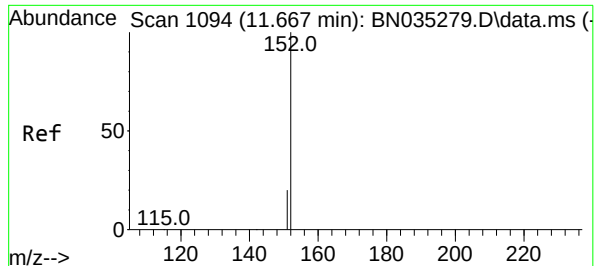
Tgt Ion:128 Resp: 11664
Ion Ratio Lower Upper
128 100
129 11.2 9.6 14.4
127 13.6 11.3 16.9



#10
Hexachlorobutadiene
Concen: 0.814 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:225 Resp: 3379
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.1 51.3 76.9

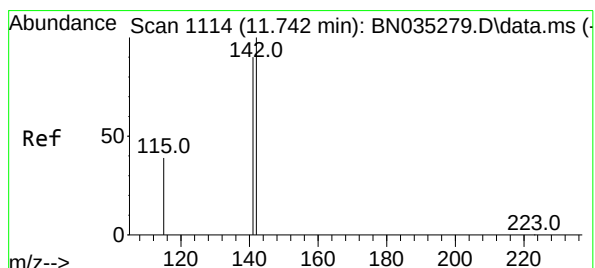
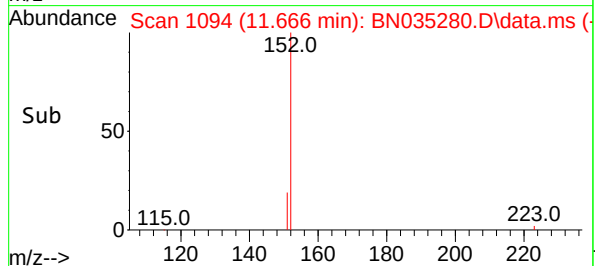
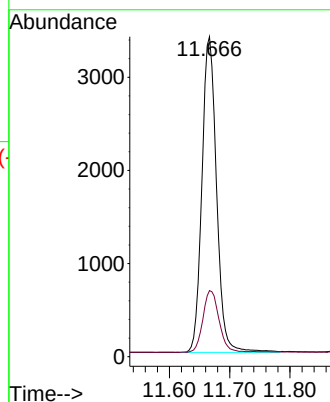
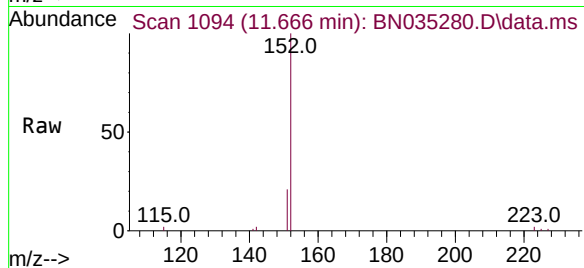




#11
2-Methylnaphthalene-d10
Concen: 0.591 ng
RT: 11.666 min Scan# 1094
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

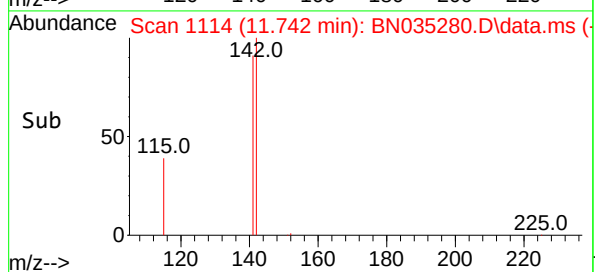
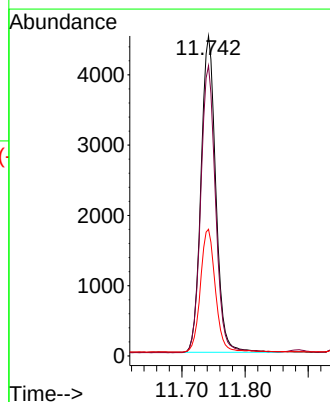
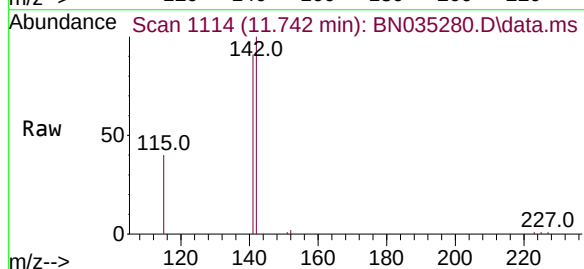
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

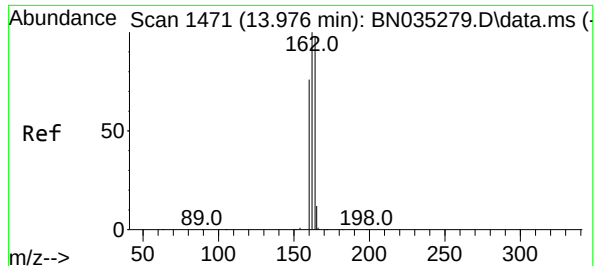
Tgt Ion:152 Resp: 5717
Ion Ratio Lower Upper
152 100
151 21.5 17.2 25.8



#12
2-Methylnaphthalene
Concen: 0.701 ng
RT: 11.742 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:142 Resp: 7328
Ion Ratio Lower Upper
142 100
141 90.7 71.8 107.8
115 39.6 32.6 49.0

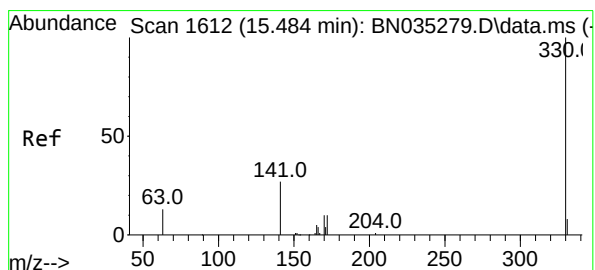
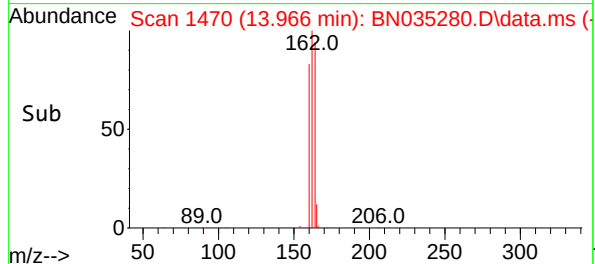
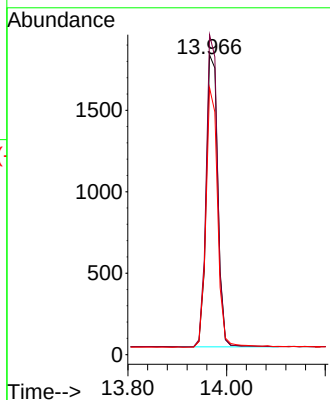
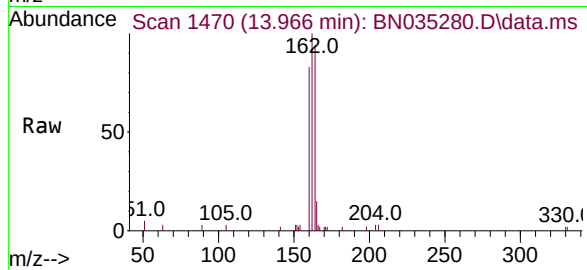




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.966 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

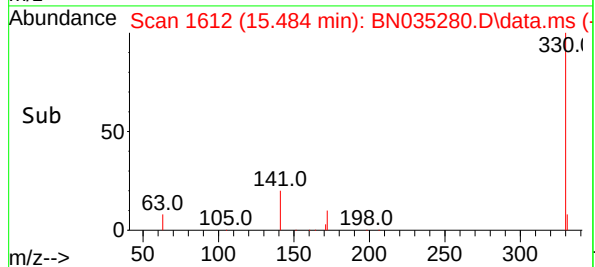
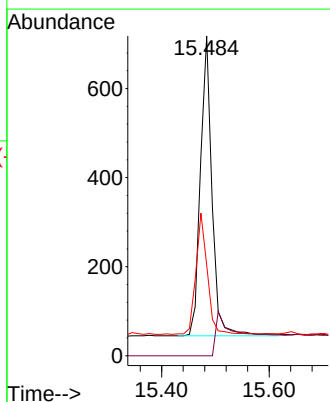
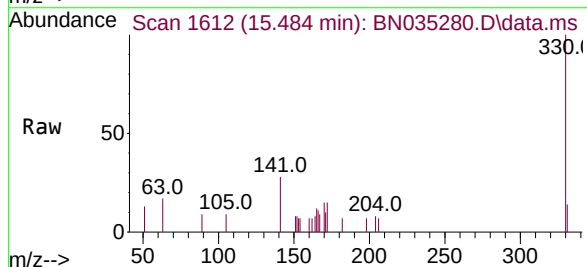
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

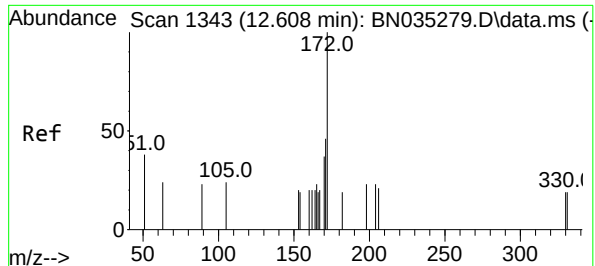
Tgt Ion:164 Resp: 2924
Ion Ratio Lower Upper
164 100
162 106.8 82.0 123.0
160 89.1 63.0 94.4



#14
2,4,6-Tribromophenol
Concen: 0.515 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:330 Resp: 1086
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.4 32.4 48.6





#15

2-Fluorobiphenyl

Concen: 0.058 ng

RT: 12.608 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

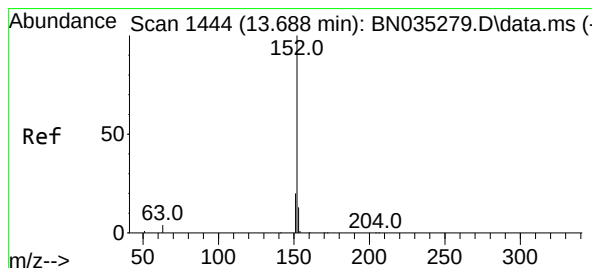
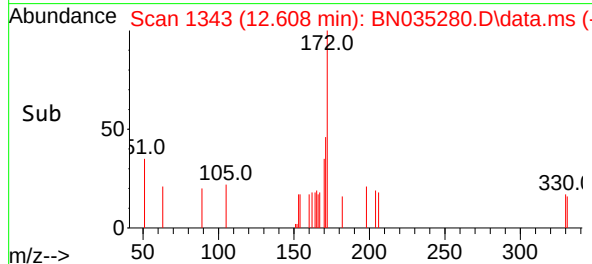
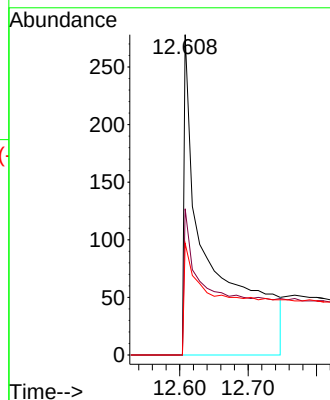
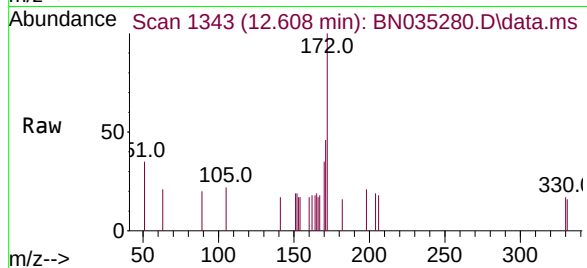
Tgt Ion:172 Resp: 691

Ion Ratio Lower Upper

172 100

171 45.7 36.6 55.0

170 34.9 29.7 44.5



#16

Acenaphthylene

Concen: 0.898 ng

RT: 13.688 min Scan# 1444

Delta R.T. -0.000 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

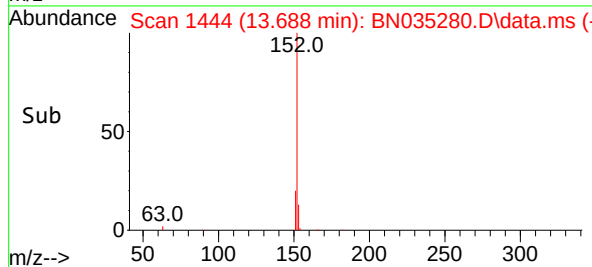
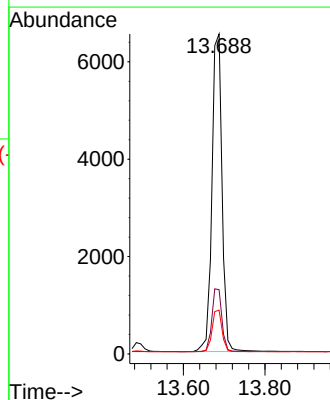
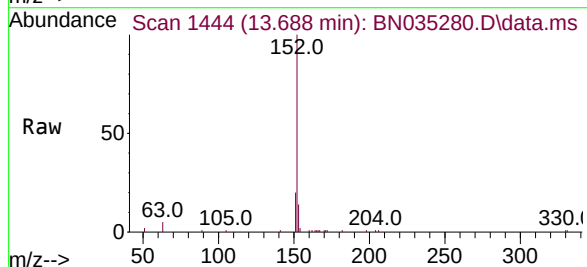
Tgt Ion:152 Resp: 11221

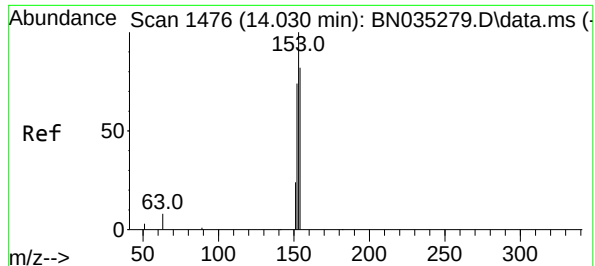
Ion Ratio Lower Upper

152 100

151 19.6 15.9 23.9

153 13.0 10.2 15.4

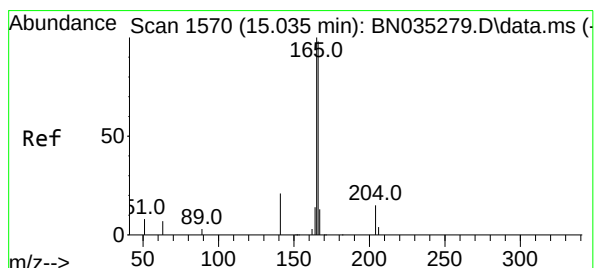
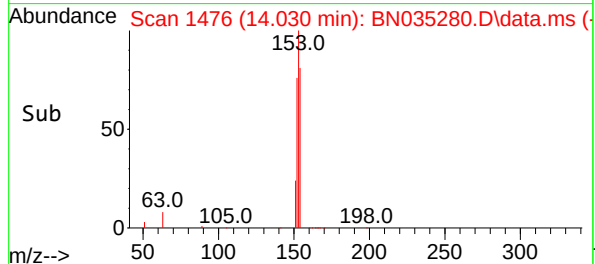
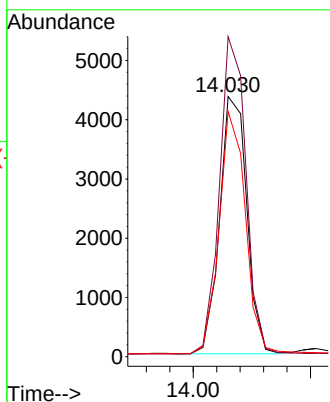
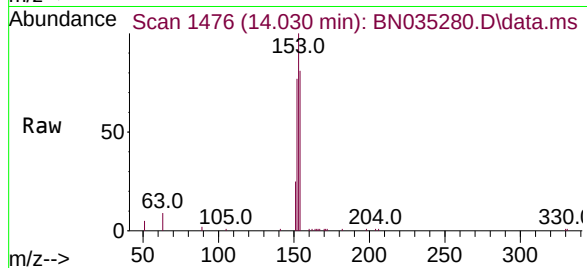




#17
Acenaphthene
Concen: 0.853 ng
RT: 14.030 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

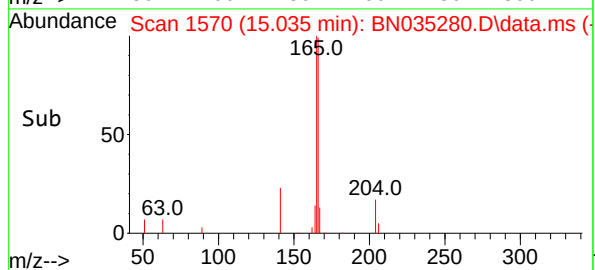
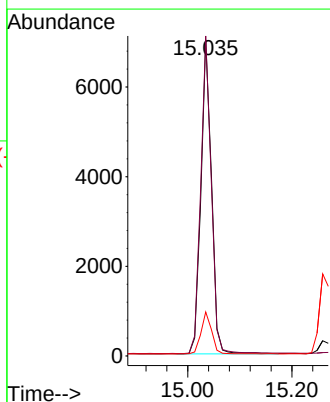
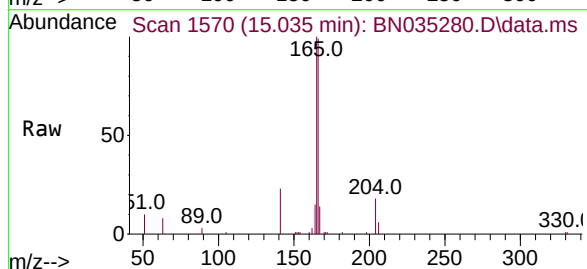
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

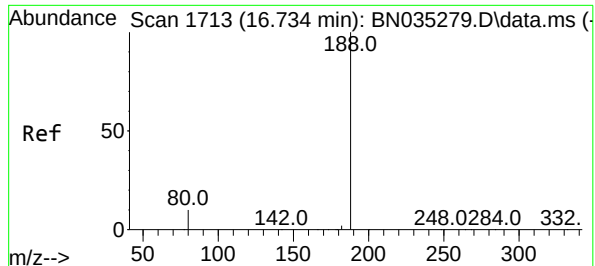
Tgt Ion:154 Resp: 6985
Ion Ratio Lower Upper
154 100
153 120.3 96.1 144.1
152 92.3 72.2 108.2



#18
Fluorene
Concen: 0.820 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:166 Resp: 9874
Ion Ratio Lower Upper
166 100
165 101.4 81.2 121.8
167 13.3 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.734 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

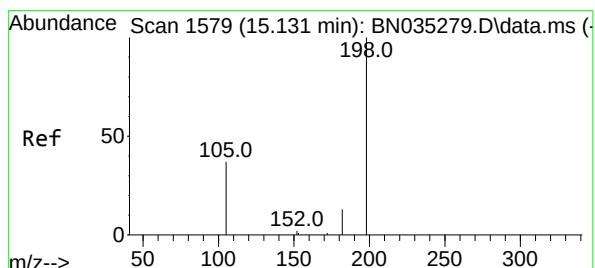
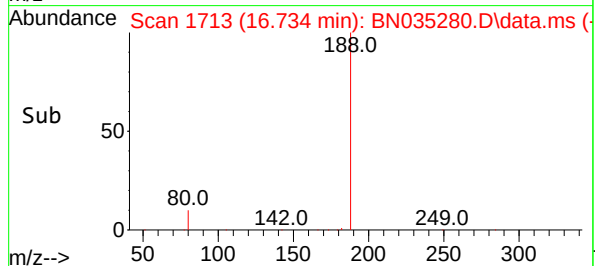
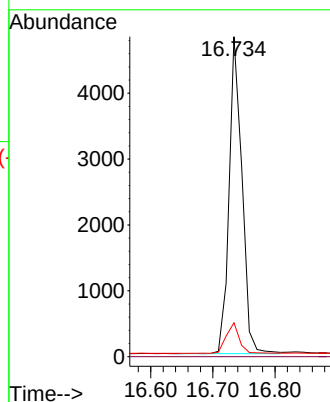
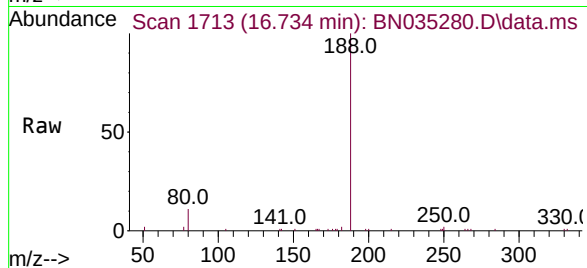
Tgt Ion:188 Resp: 6884

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.6 8.9 13.3



#20

4,6-Dinitro-2-methylphenol

Concen: 0.378 ng

RT: 15.131 min Scan# 1579

Delta R.T. -0.000 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

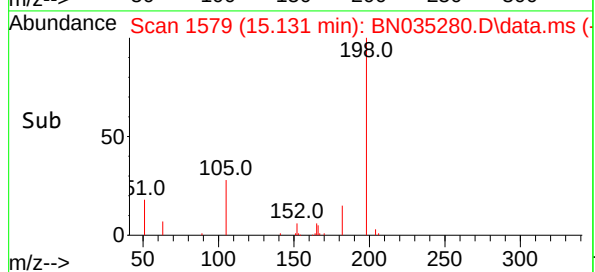
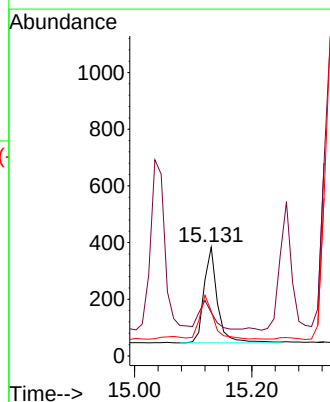
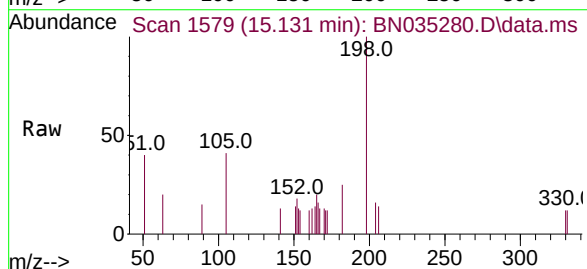
Tgt Ion:198 Resp: 542

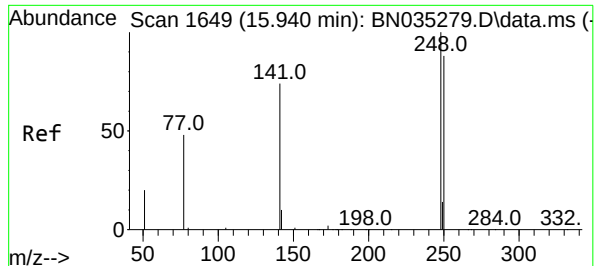
Ion Ratio Lower Upper

198 100

51 39.8 53.6 80.4#

105 41.1 47.4 71.2#

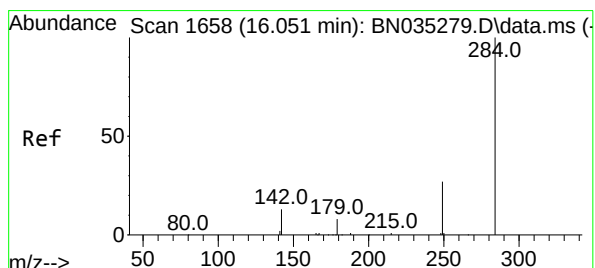
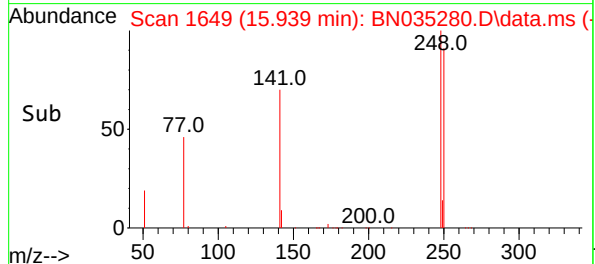
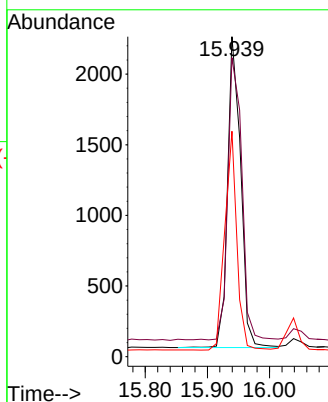
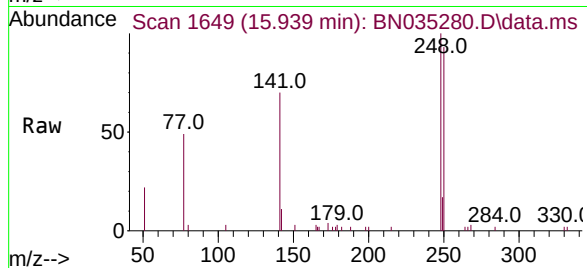




#21
4-Bromophenyl-phenylether
Concen: 0.730 ng
RT: 15.939 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

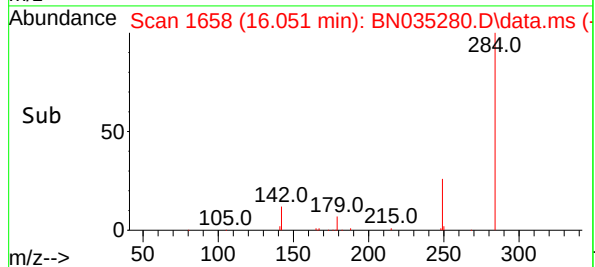
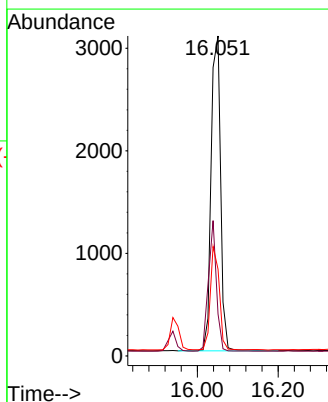
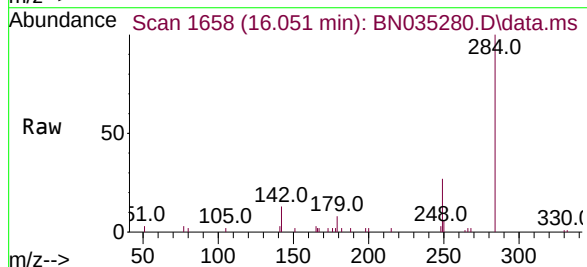
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

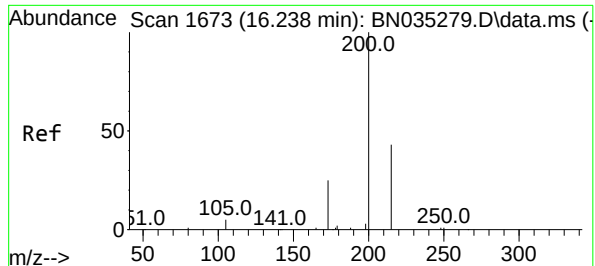
Tgt Ion:248 Resp: 3203
Ion Ratio Lower Upper
248 100
250 93.5 74.8 112.2
141 70.5 59.0 88.4



#22
Hexachlorobenzene
Concen: 1.099 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:284 Resp: 5001
Ion Ratio Lower Upper
284 100
142 35.2 28.7 43.1
249 30.8 25.4 38.0

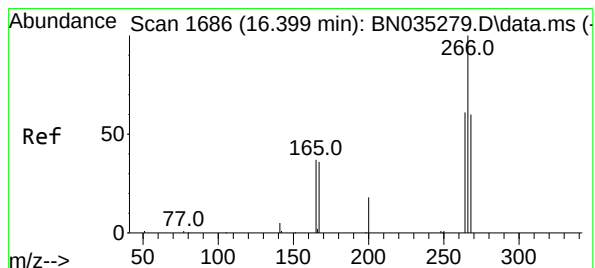
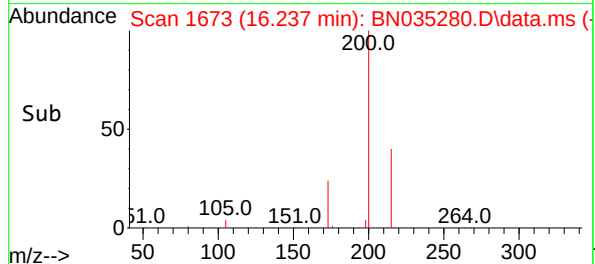
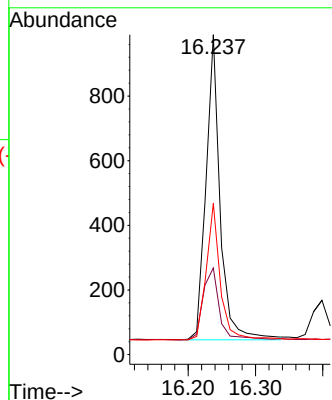
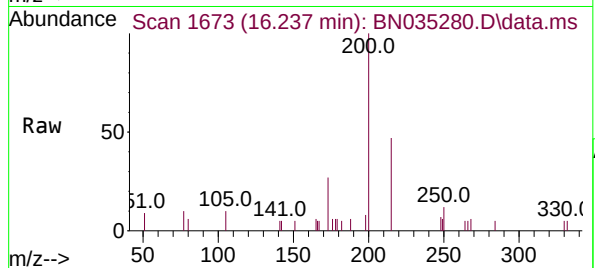




#23
Atrazine
Concen: 0.350 ng
RT: 16.237 min Scan# 1673
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

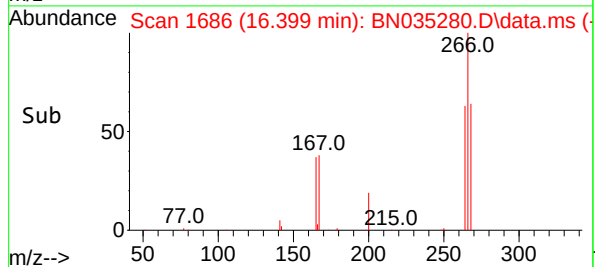
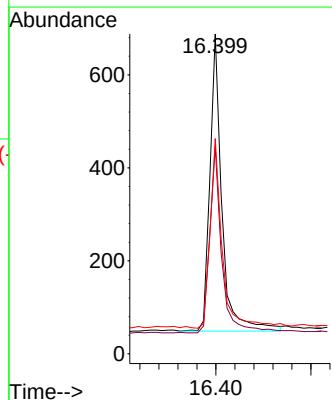
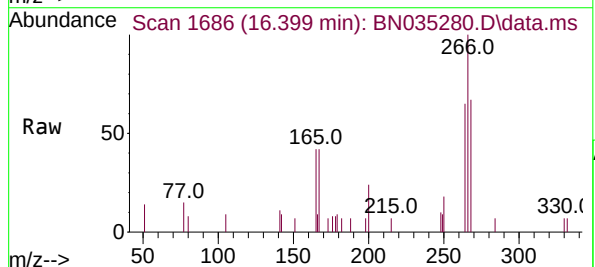
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

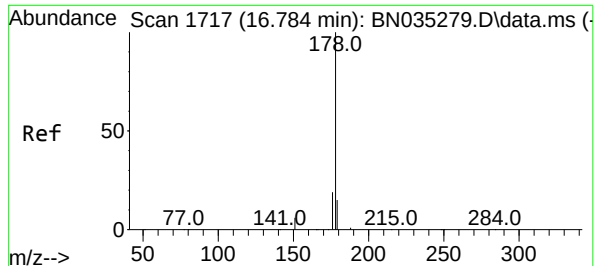
Tgt Ion:200 Resp: 1376
Ion Ratio Lower Upper
200 100
173 27.1 25.8 38.8
215 47.3 38.6 58.0



#24
Pentachlorophenol
Concen: 0.529 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:266 Resp: 1125
Ion Ratio Lower Upper
266 100
264 62.7 49.3 73.9
268 65.5 48.6 73.0

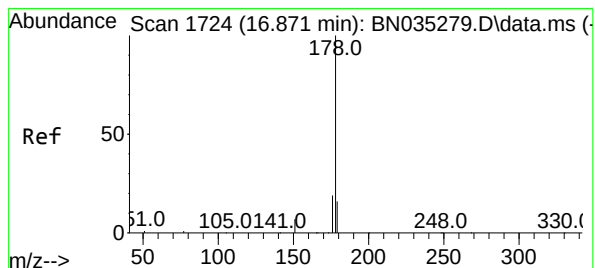
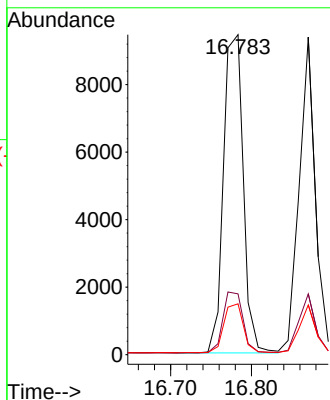
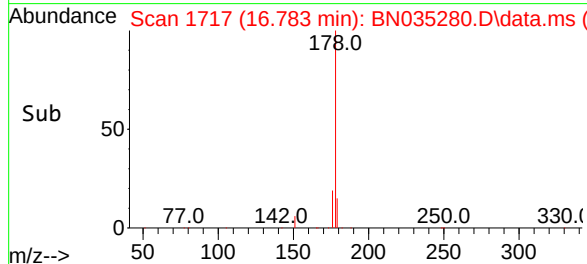
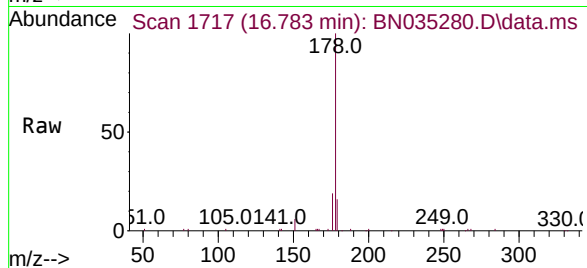




#25
Phenanthrene
Concen: 0.883 ng
RT: 16.783 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

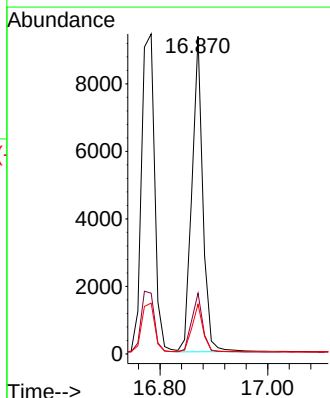
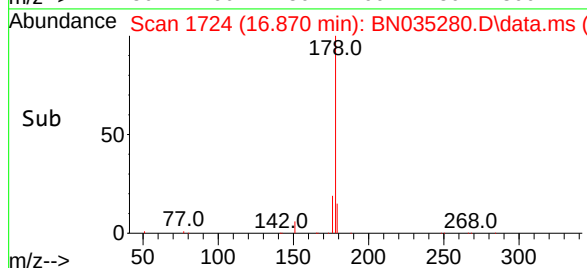
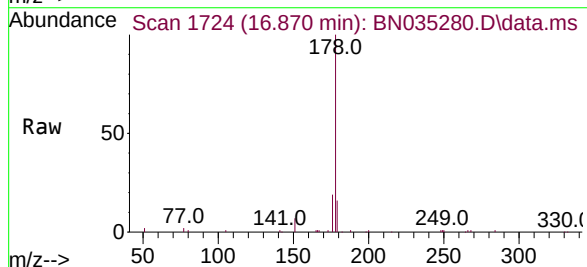
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

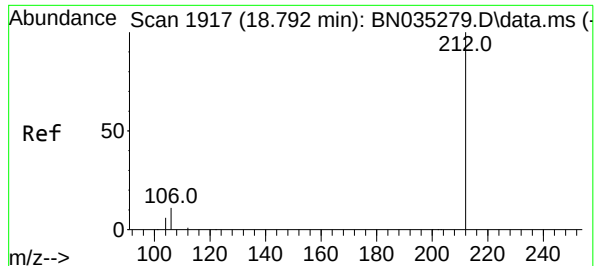
Tgt Ion:178 Resp: 16001
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.3 12.6 18.8



#26
Anthracene
Concen: 0.789 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:178 Resp: 13123
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.4
179 15.2 12.4 18.6





#27

Fluoranthene-d10

Concen: 0.651 ng

RT: 18.792 min Scan# 1917

Delta R.T. -0.000 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

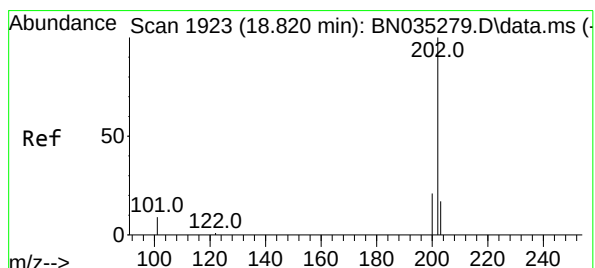
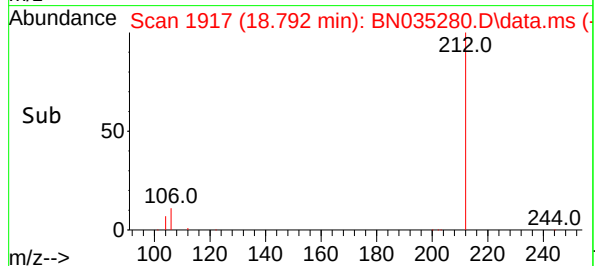
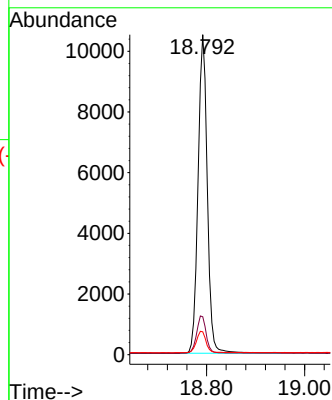
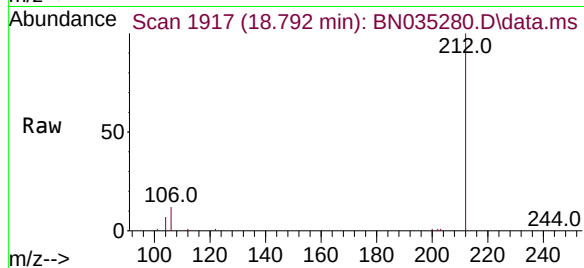
Tgt Ion:212 Resp: 13734

Ion Ratio Lower Upper

212 100

106 12.1 9.8 14.8

104 6.9 5.6 8.4



#28

Fluoranthene

Concen: 0.803 ng

RT: 18.820 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

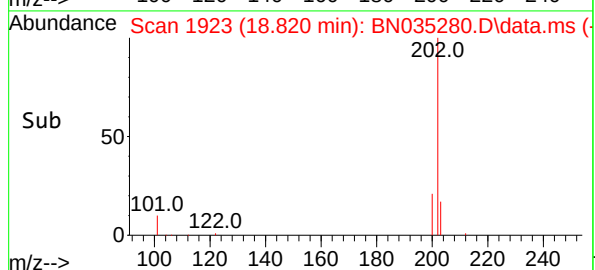
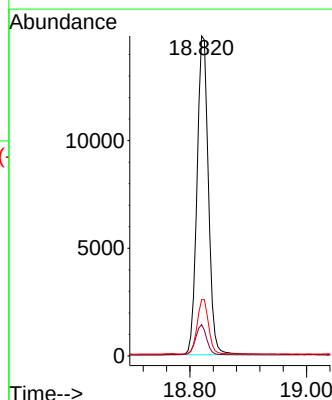
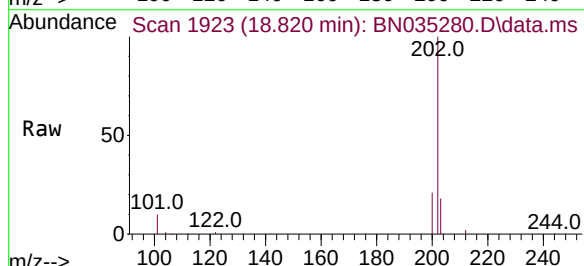
Tgt Ion:202 Resp: 20007

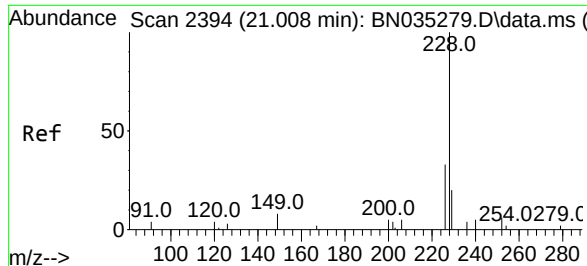
Ion Ratio Lower Upper

202 100

101 9.4 7.6 11.4

203 17.1 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

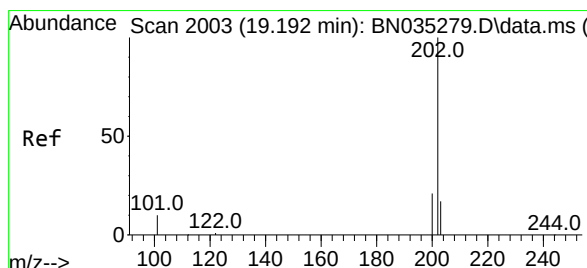
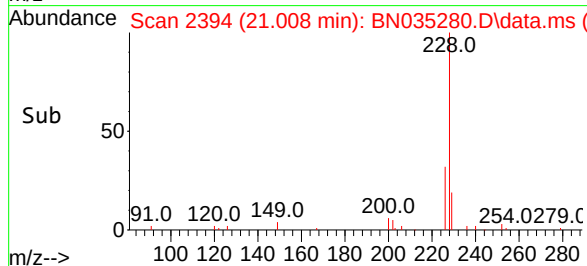
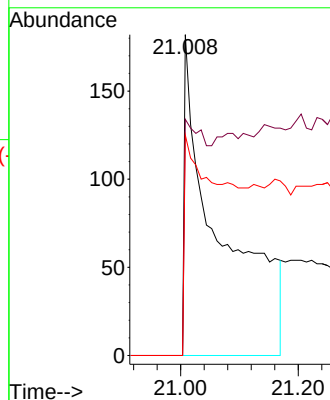
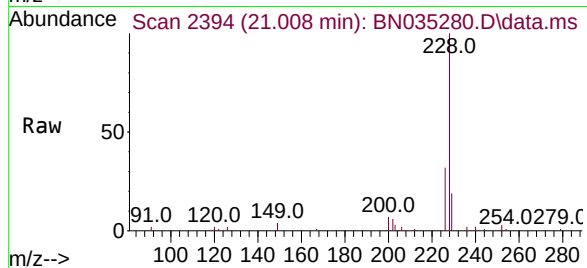
Tgt Ion:240 Resp: 725

Ion Ratio Lower Upper

240 100

120 73.6 54.9 82.3

236 68.7 54.0 81.0



#30

Pyrene

Concen: 7.635 ng

RT: 19.192 min Scan# 2003

Delta R.T. -0.000 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

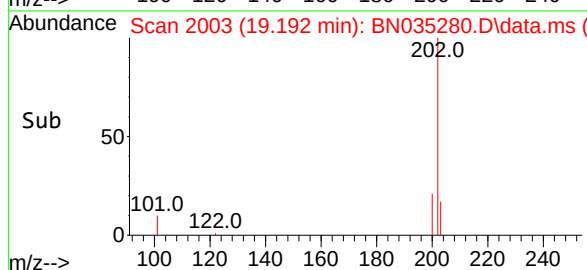
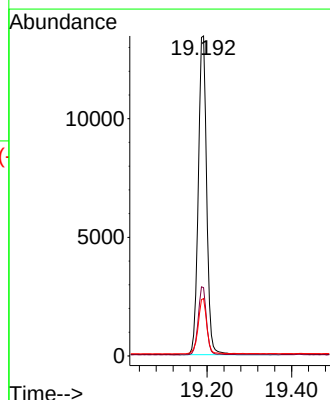
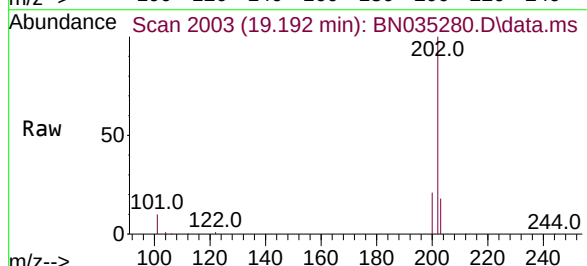
Tgt Ion:202 Resp: 18434

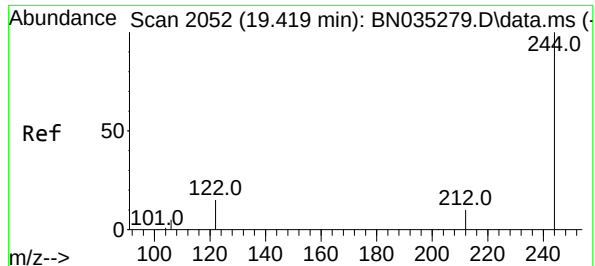
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 17.6 14.4 21.6

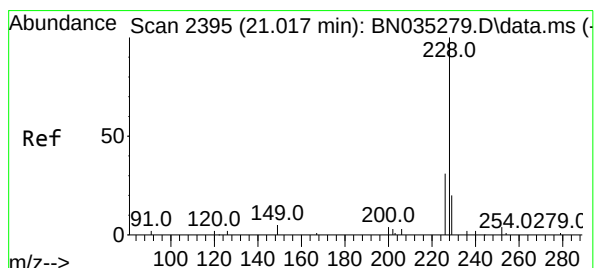
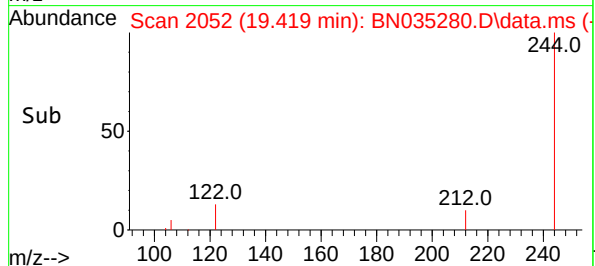
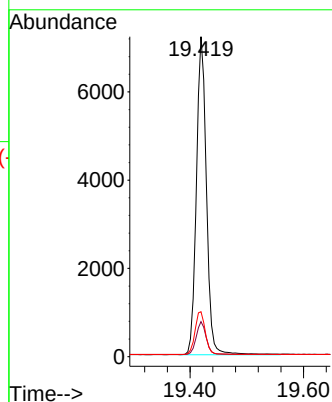
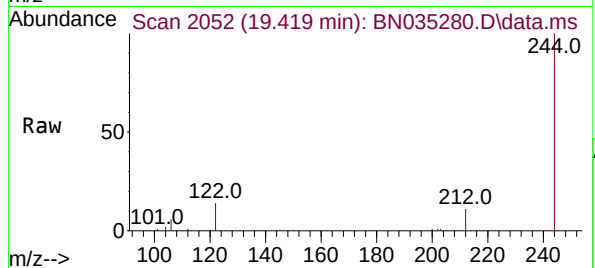




#31
Terphenyl-d14
Concen: 5.792 ng
RT: 19.419 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

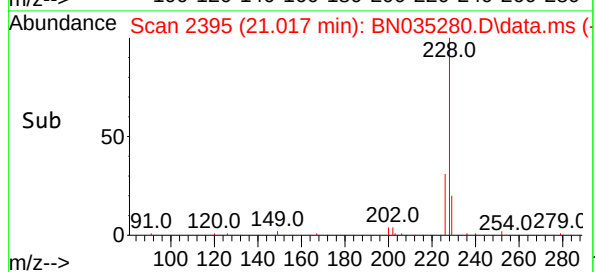
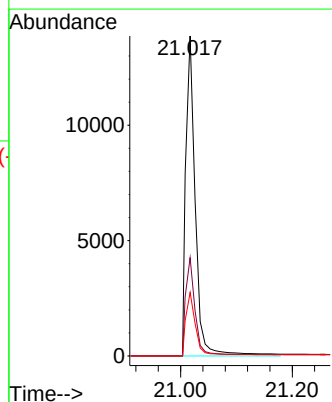
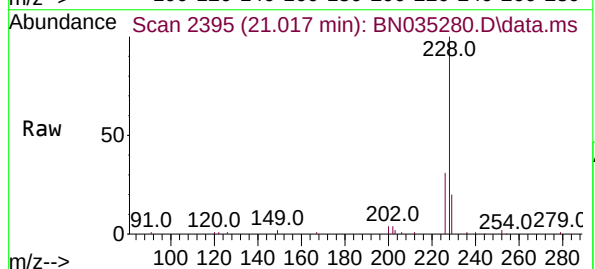
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

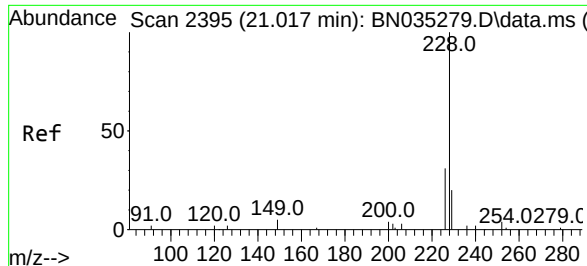
Tgt Ion:244 Resp: 8811
Ion Ratio Lower Upper
244 100
212 10.9 9.4 14.0
122 14.1 13.0 19.4



#32
Benzo(a)anthracene
Concen: 6.606 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:228 Resp: 16677
Ion Ratio Lower Upper
228 100
226 30.7 24.7 37.1
229 19.9 16.2 24.2





#33

Chrysene

Concen: 6.669 ng

RT: 21.017 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

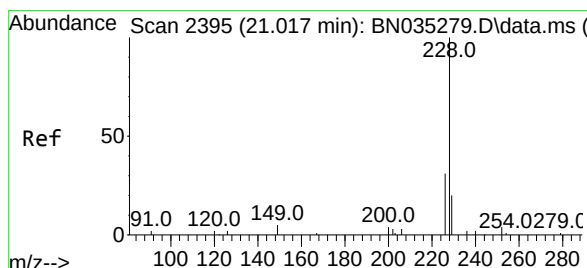
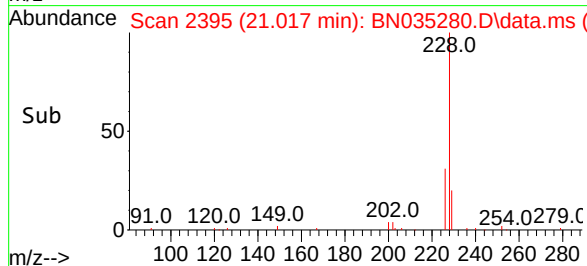
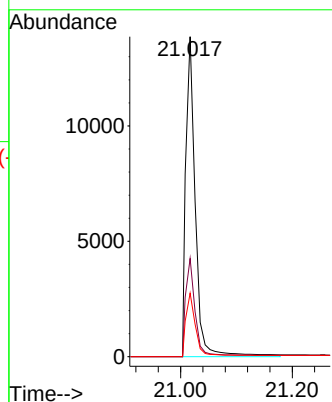
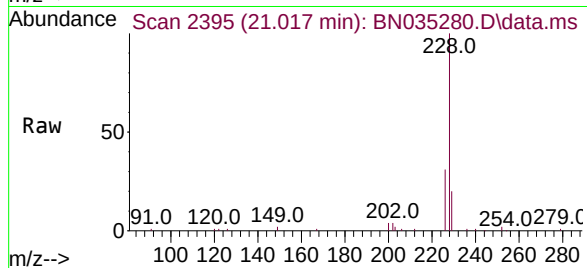
Tgt Ion:228 Resp: 16677

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

229 19.9 16.2 24.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.553 ng

RT: 21.008 min Scan# 2394

Delta R.T. -0.009 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

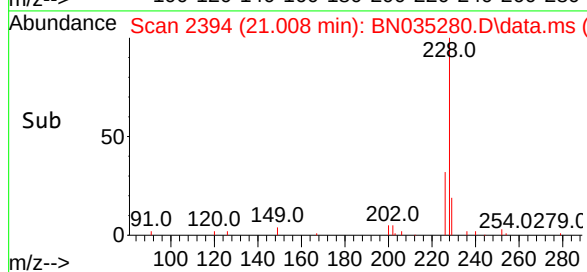
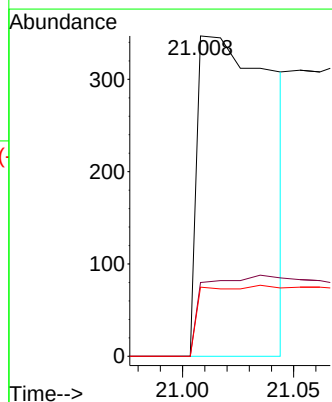
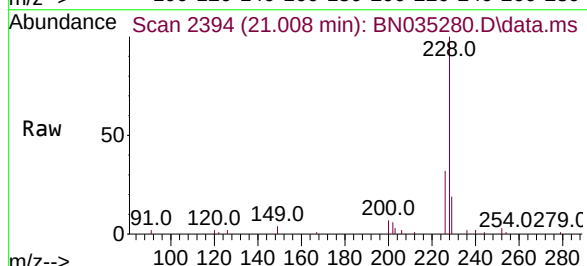
Tgt Ion:149 Resp: 733

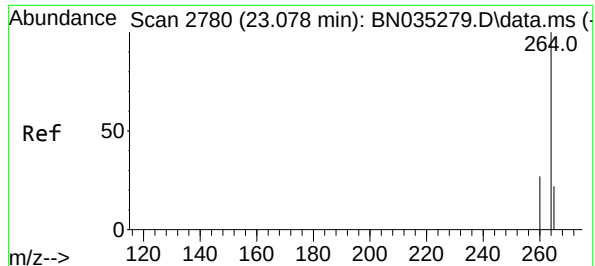
Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

279 0.0 13.0 19.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.078 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

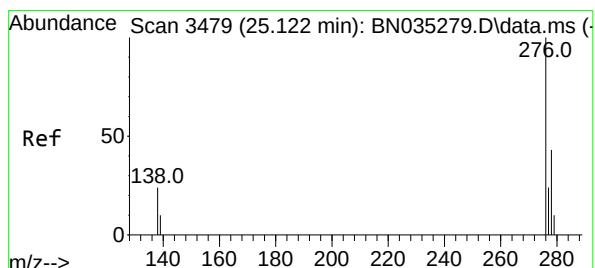
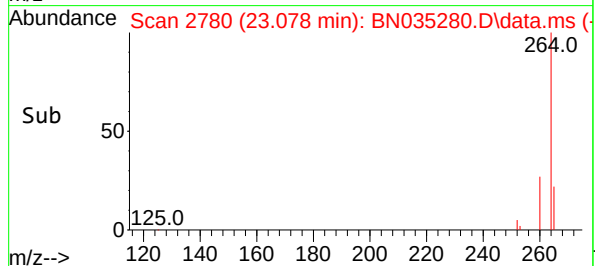
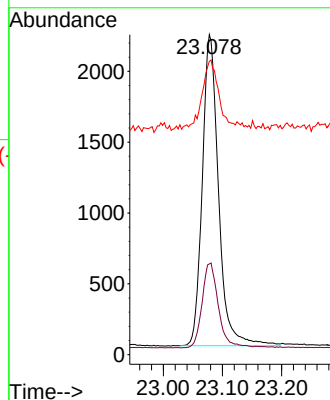
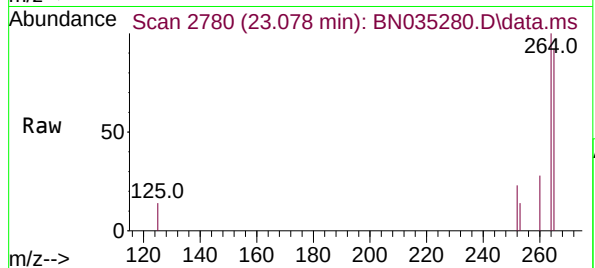
Tgt Ion:264 Resp: 4193

Ion Ratio Lower Upper

264 100

260 28.3 22.3 33.5

265 91.6 68.6 103.0



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.789 ng

RT: 25.124 min Scan# 3480

Delta R.T. 0.003 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

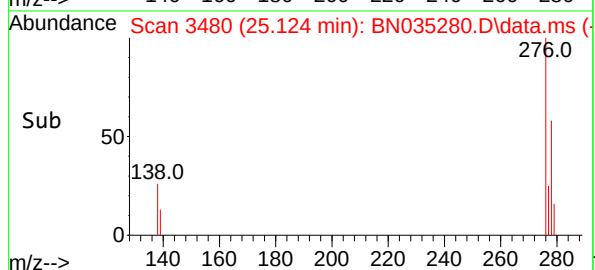
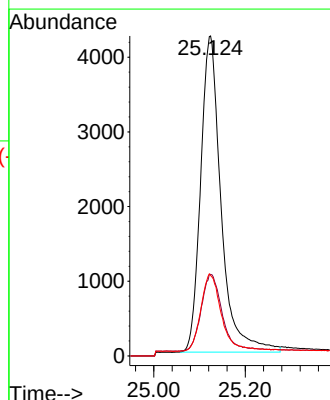
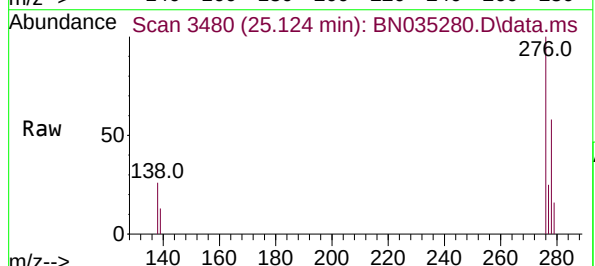
Tgt Ion:276 Resp: 13203

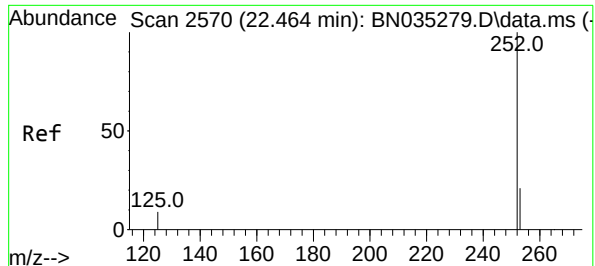
Ion Ratio Lower Upper

276 100

138 23.8 18.8 28.2

277 23.7 18.2 27.4





#37

Benzo(b)fluoranthene

Concen: 1.019 ng

RT: 22.464 min Scan# 2570

Delta R.T. -0.000 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

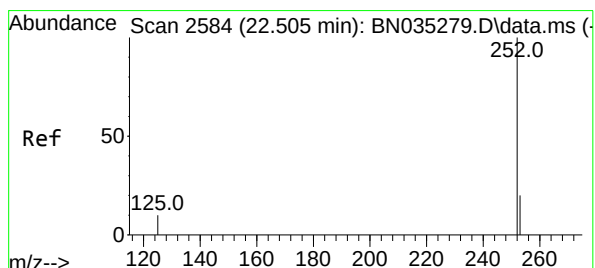
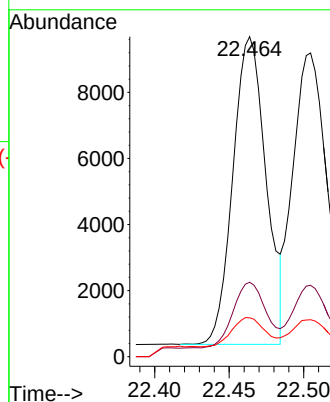
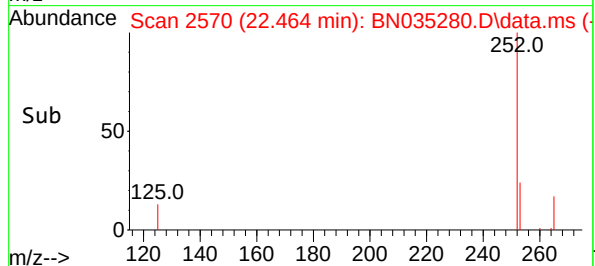
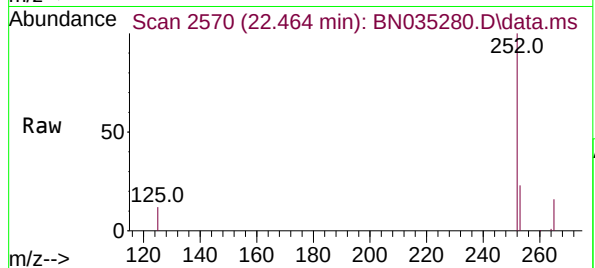
Tgt Ion:252 Resp: 14372

Ion Ratio Lower Upper

252 100

253 23.3 20.2 30.2

125 12.2 12.0 18.0



#38

Benzo(k)fluoranthene

Concen: 1.067 ng

RT: 22.505 min Scan# 2584

Delta R.T. -0.000 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

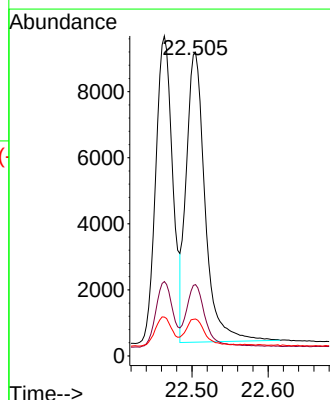
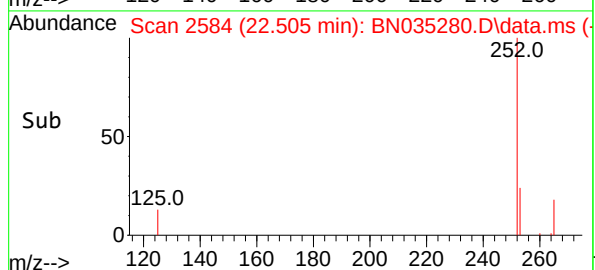
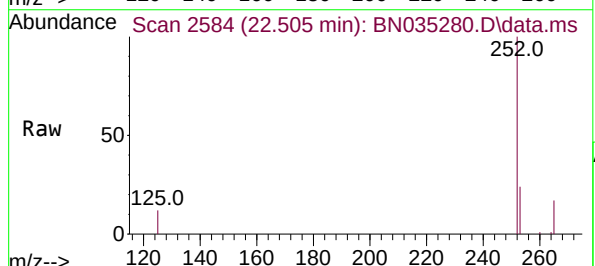
Tgt Ion:252 Resp: 15061

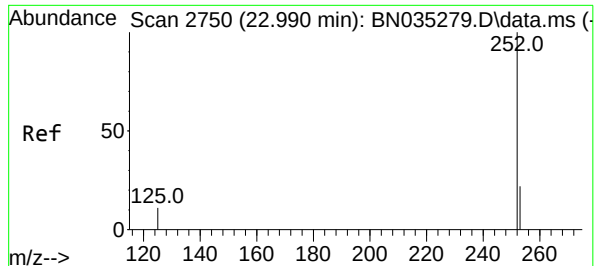
Ion Ratio Lower Upper

252 100

253 23.5 20.1 30.1

125 12.2 12.7 19.1#





#39

Benzo(a)pyrene

Concen: 0.876 ng

RT: 22.987 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN035280.D

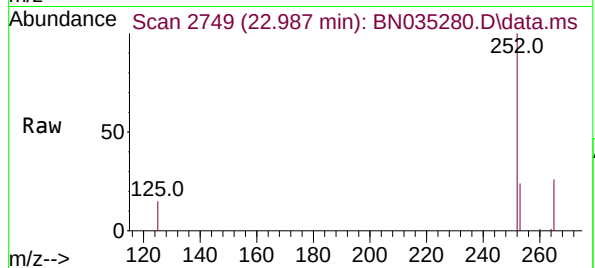
Acq: 25 Nov 2024 12:04

Instrument :

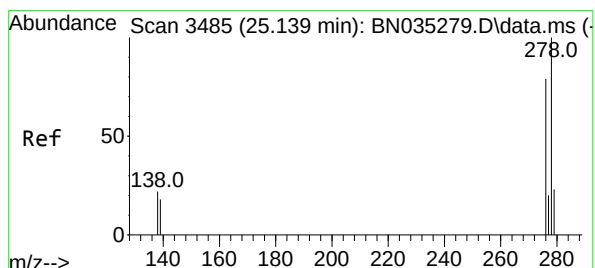
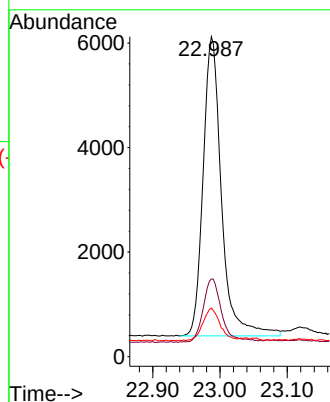
BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:	252	Resp:	10876
Ion Ratio	Lower	Upper	
252	100		
253	24.3	22.3	33.5
125	15.2	15.3	22.9#



#40

Dibenzo(a,h)anthracene

Concen: 0.760 ng

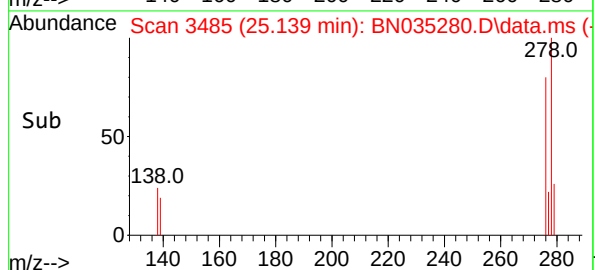
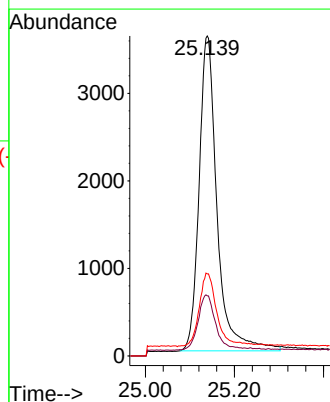
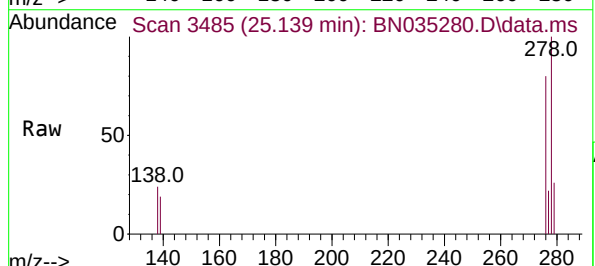
RT: 25.139 min Scan# 3485

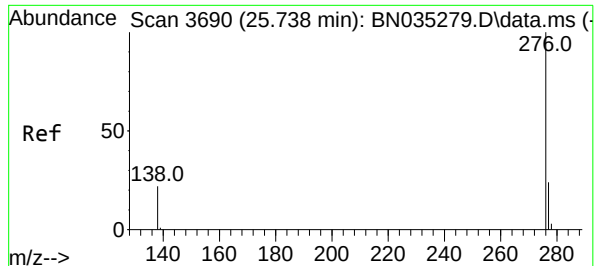
Delta R.T. -0.000 min

Lab File: BN035280.D

Acq: 25 Nov 2024 12:04

Tgt Ion:	278	Resp:	10078
Ion Ratio	Lower	Upper	
278	100		
139	18.8	17.0	25.6
279	25.6	23.0	34.4





#41

Benzo(g,h,i)perylene

Concen: 0.840 ng

RT: 25.738 min Scan# 30

Delta R.T. -0.000 min

Lab File: BN035280.D

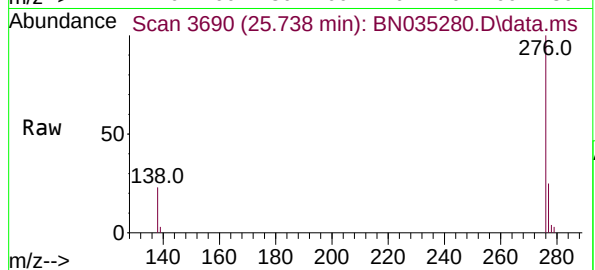
Acq: 25 Nov 2024 12:04

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



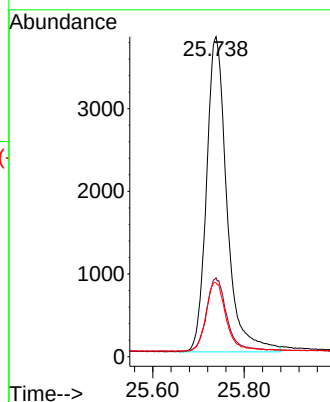
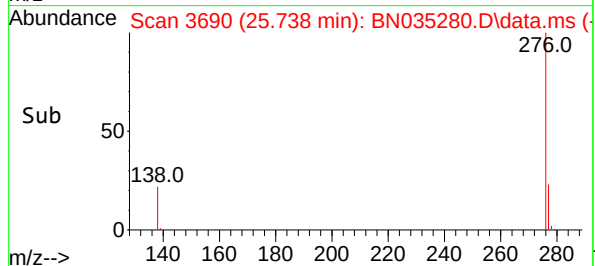
Tgt Ion:276 Resp: 11838

Ion Ratio Lower Upper

276 100

277 24.7 21.1 31.7

138 23.0 19.8 29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035281.D
 Acq On : 25 Nov 2024 12:40
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Nov 25 14:20:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 25 14:16:35 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

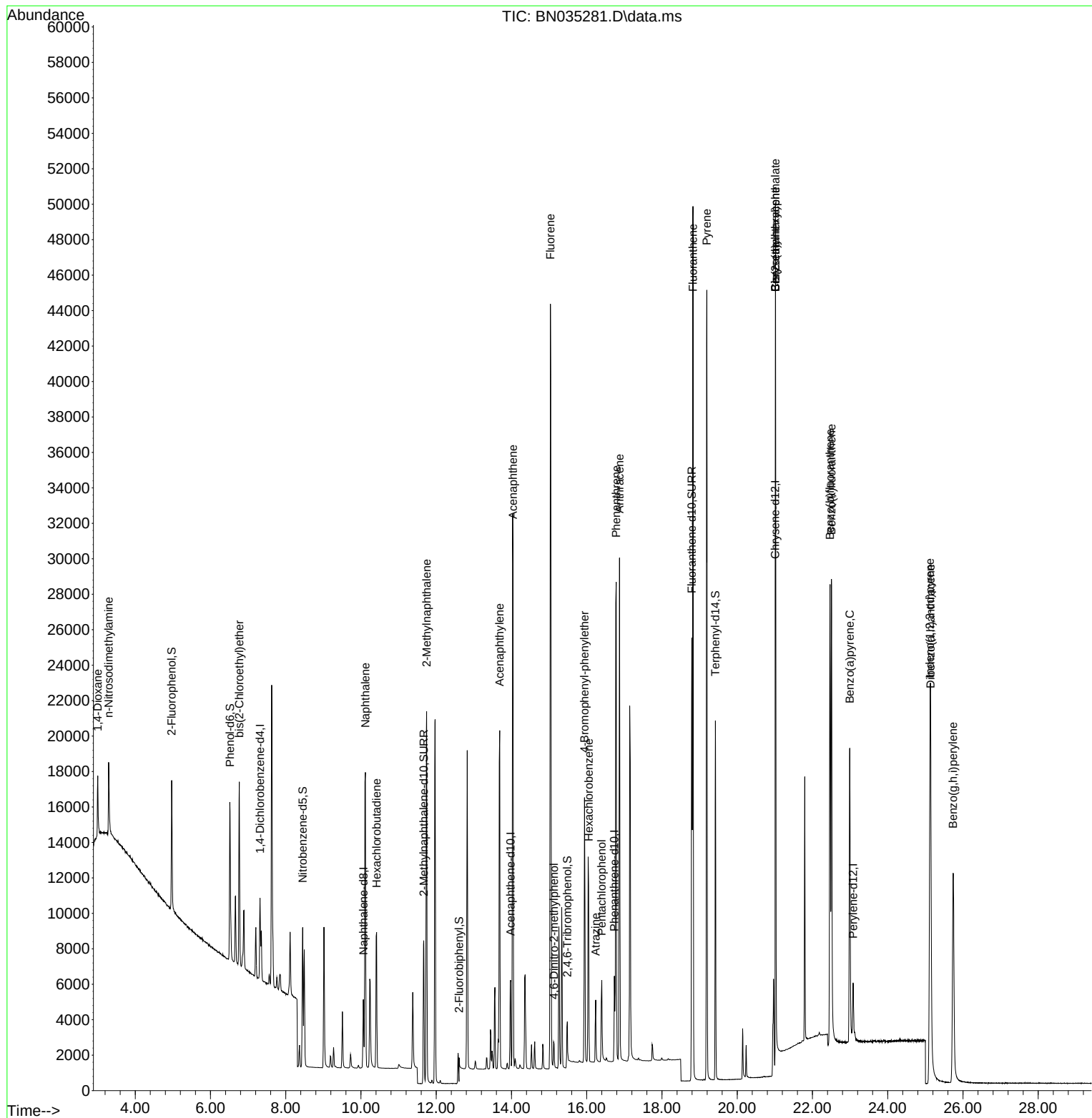
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	2108	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	4875	0.400	ng	0.00
13) Acenaphthene-d10	13.976	164	2647	0.400	ng	0.00
19) Phenanthrene-d10	16.734	188	6226	0.400	ng	0.00
29) Chrysene-d12	21.008	240	542	0.400	ng	0.00
35) Perylene-d12	23.081	264	3989	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	6152	1.150	ng	0.00
5) Phenol-d6	6.520	99	8647	1.289	ng	0.00
8) Nitrobenzene-d5	8.450	82	6940	1.635	ng	0.00
11) 2-Methylnaphthalene-d10	11.666	152	11029	1.270	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	2250	1.178	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	871	0.081	ng	0.00
27) Fluoranthene-d10	18.792	212	27881	1.462	ng	0.00
31) Terphenyl-d14	19.419	244	18679	16.424	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	2397	1.252	ng	# 80
3) n-Nitrosodimethylamine	3.292	42	2641	1.480	ng	# 81
6) bis(2-Chloroethyl)ether	6.766	93	7711	1.531	ng	99
9) Naphthalene	10.116	128	22419	1.761	ng	98
10) Hexachlorobutadiene	10.415	225	6605	1.770	ng	# 99
12) 2-Methylnaphthalene	11.742	142	14579	1.553	ng	98
16) Acenaphthylene	13.688	152	22416	1.982	ng	99
17) Acenaphthene	14.040	154	14198	1.915	ng	100
18) Fluorene	15.035	166	20193	1.852	ng	99
20) 4,6-Dinitro-2-methylph...	15.131	198	1188	0.917	ng	# 56
21) 4-Bromophenyl-phenylether	15.939	248	6288	1.585	ng	98
22) Hexachlorobenzene	16.051	284	9730	2.364	ng	99
23) Atrazine	16.237	200	2833	0.796	ng	# 93
24) Pentachlorophenol	16.399	266	2413	1.255	ng	97
25) Phenanthrene	16.783	178	31649	1.932	ng	99
26) Anthracene	16.870	178	27397	1.820	ng	99
28) Fluoranthene	18.825	202	43133	1.914	ng	99
30) Pyrene	19.192	202	38572	21.370	ng	99
32) Benzo(a)anthracene	21.017	228	35573	18.849	ng	99
33) Chrysene	21.017	228	35573	19.028	ng	99
34) Bis(2-ethylhexyl)phtha...	21.017	149	946	0.955	ng	# 62
36) Indeno(1,2,3-cd)pyrene	25.124	276	27825	1.749	ng	97
37) Benzo(b)fluoranthene	22.467	252	29950	2.232	ng	# 93
38) Benzo(k)fluoranthene	22.505	252	32689	2.434	ng	# 92
39) Benzo(a)pyrene	22.990	252	22785	1.929	ng	# 88
40) Dibenzo(a,h)anthracene	25.142	278	21588	1.712	ng	92
41) Benzo(g,h,i)perylene	25.738	276	24058	1.794	ng	95

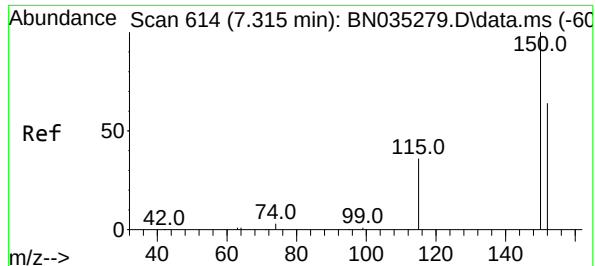
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035281.D
Acq On : 25 Nov 2024 12:40
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

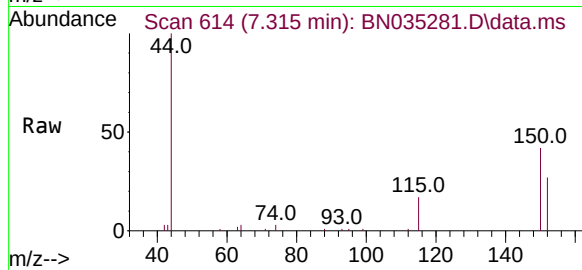
Quant Time: Nov 25 14:20:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration



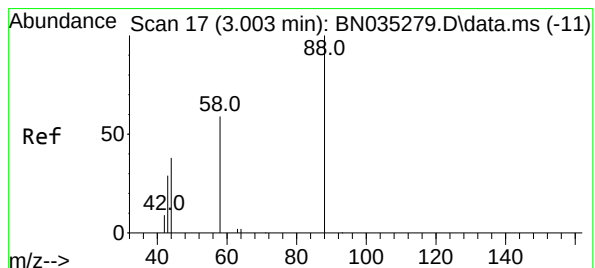
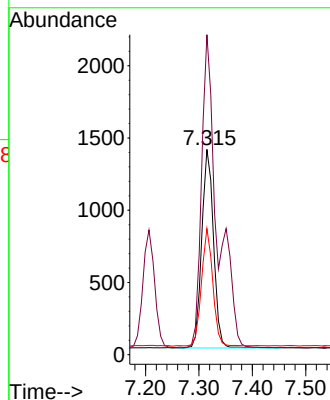
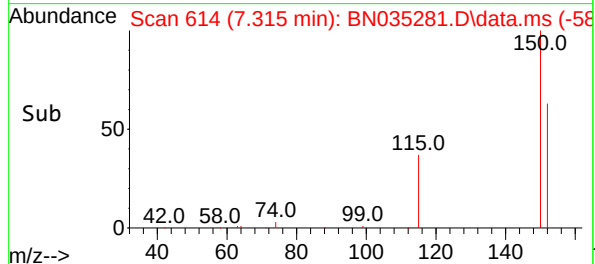


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

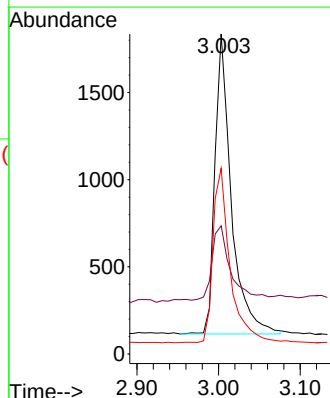
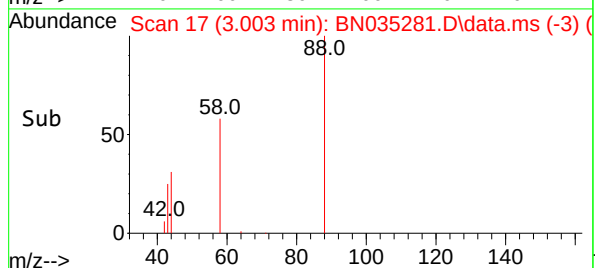
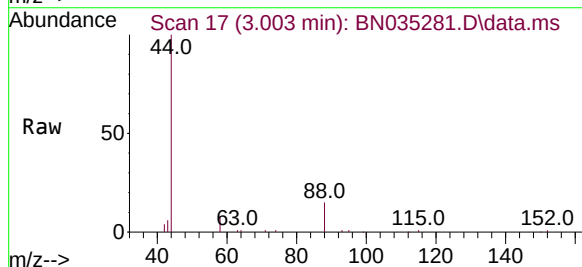


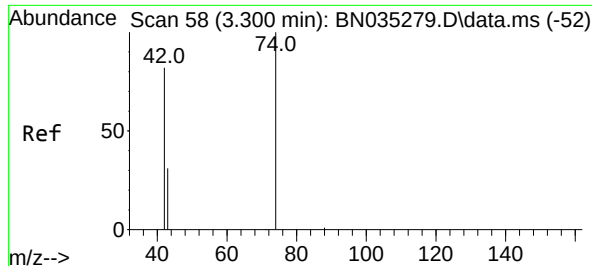
Tgt Ion:152 Resp: 2108
Ion Ratio Lower Upper
152 100
150 155.9 124.5 186.7
115 61.4 47.8 71.8



#2
1,4-Dioxane
Concen: 1.252 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion: 88 Resp: 2397
Ion Ratio Lower Upper
88 100
43 32.7 48.1 72.1#
58 61.1 46.9 70.3

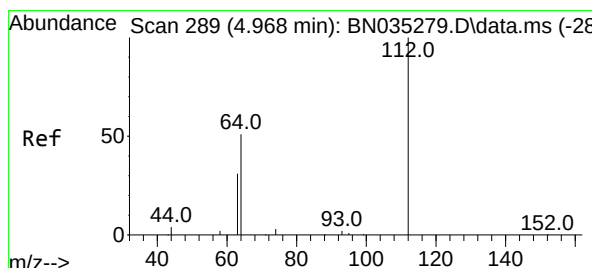
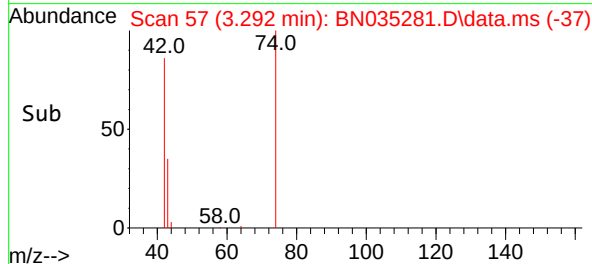
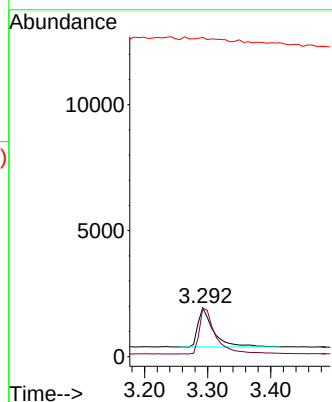
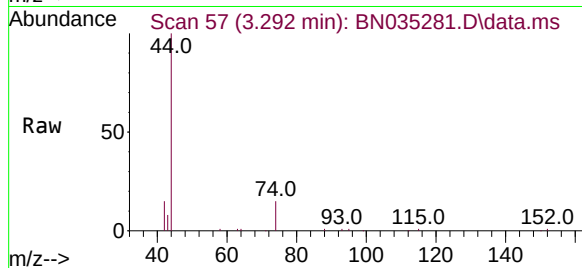




#3
n-Nitrosodimethylamine
Concen: 1.480 ng
RT: 3.292 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

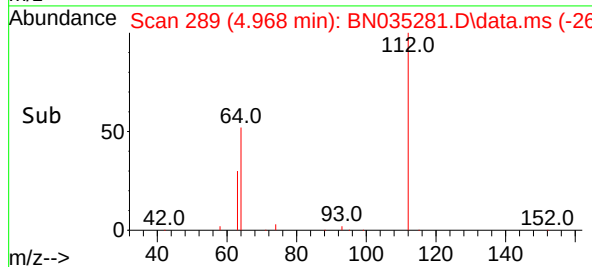
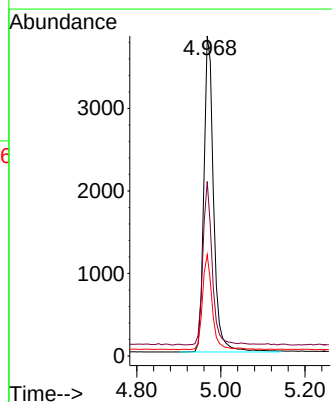
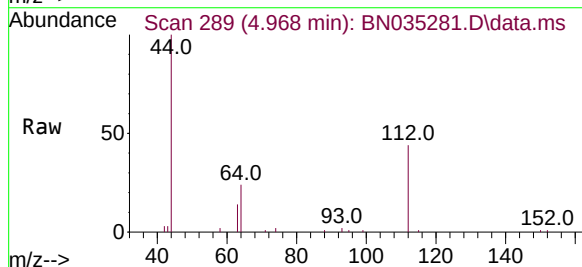
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

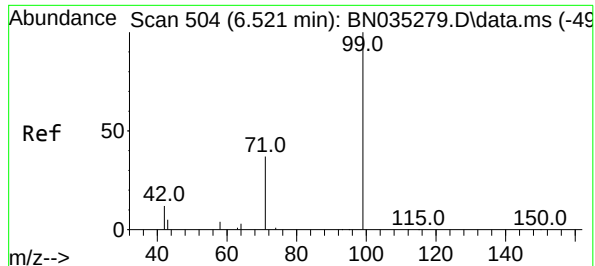
Tgt Ion: 42 Resp: 2641
Ion Ratio Lower Upper
42 100
74 124.1 102.7 154.1
44 0.0 34.1 51.1#



#4
2-Fluorophenol
Concen: 1.150 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion: 112 Resp: 6152
Ion Ratio Lower Upper
112 100
64 49.1 40.4 60.6
63 29.1 23.8 35.8

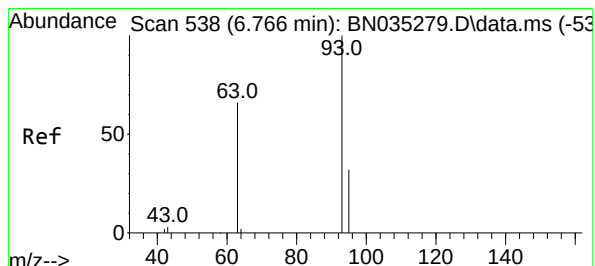
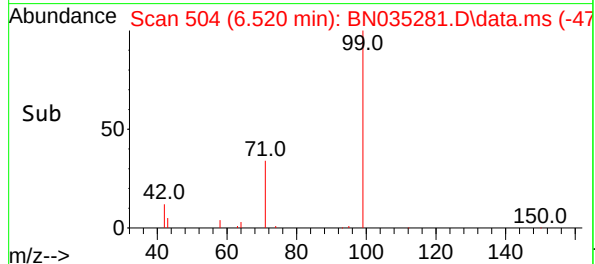
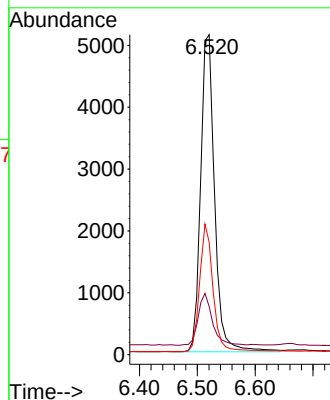
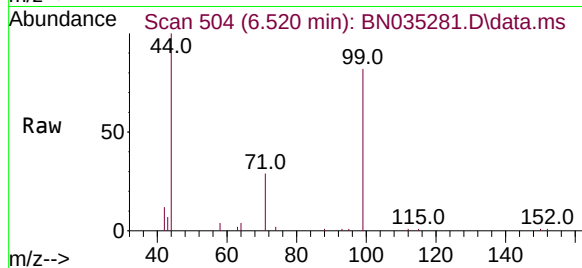




#5
Phenol-d6
Concen: 1.289 ng
RT: 6.520 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

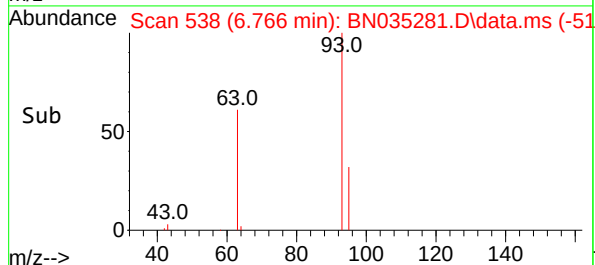
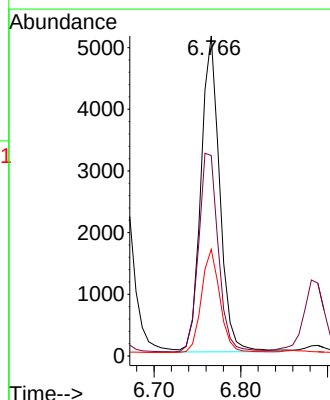
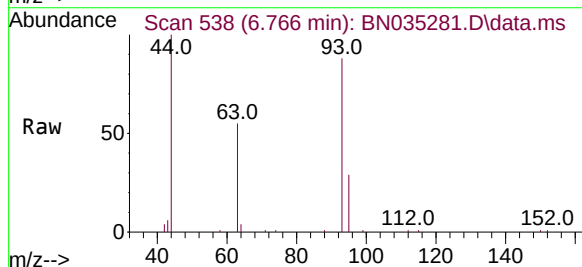
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

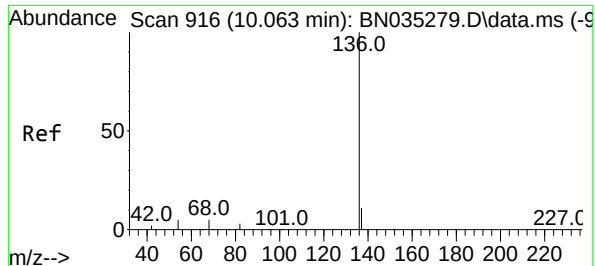
Tgt Ion: 99 Resp: 8647
Ion Ratio Lower Upper
99 100
42 16.6 12.8 19.2
71 38.4 31.4 47.2



#6
bis(2-Chloroethyl)ether
Concen: 1.531 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion: 93 Resp: 7711
Ion Ratio Lower Upper
93 100
63 66.1 52.3 78.5
95 32.1 25.5 38.3

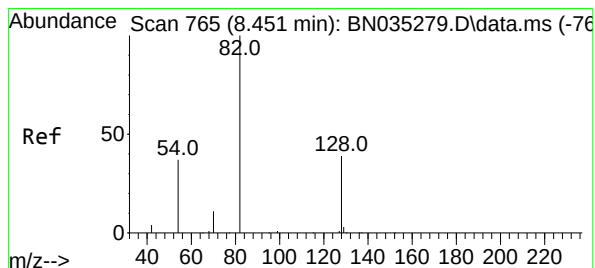
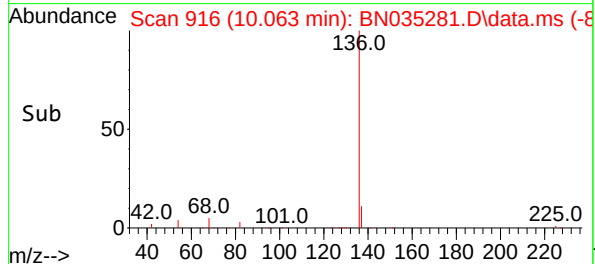
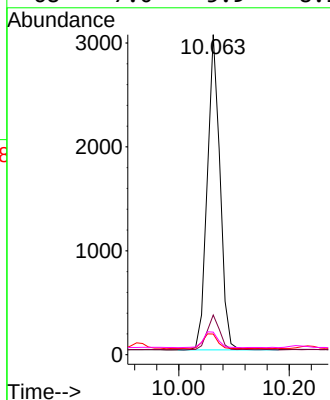
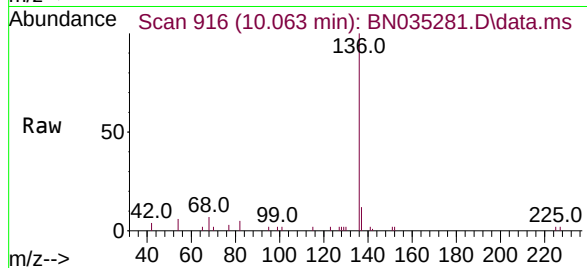




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

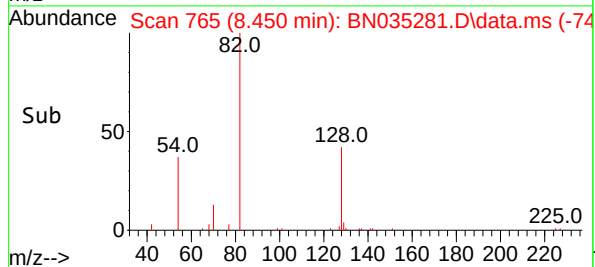
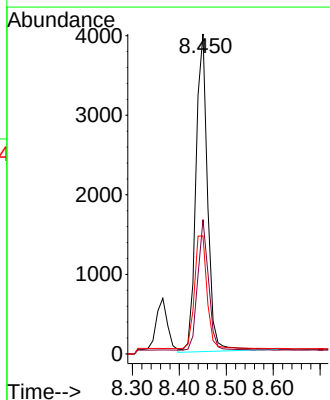
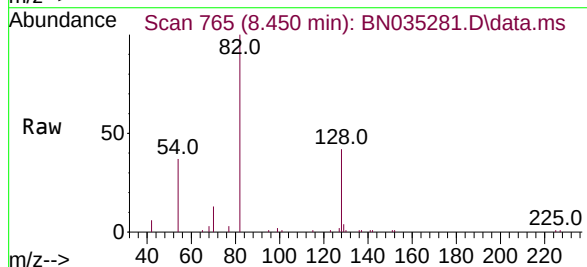
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

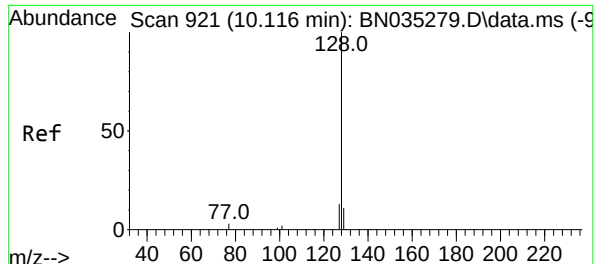
Tgt Ion:	136	Resp:	4875
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	6.5	5.3	7.9
68	7.0	5.9	8.9



#8
Nitrobenzene-d5
Concen: 1.635 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:	82	Resp:	6940
Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.0	49.4
54	36.9	33.3	49.9

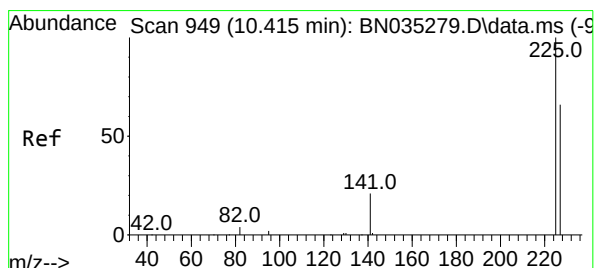
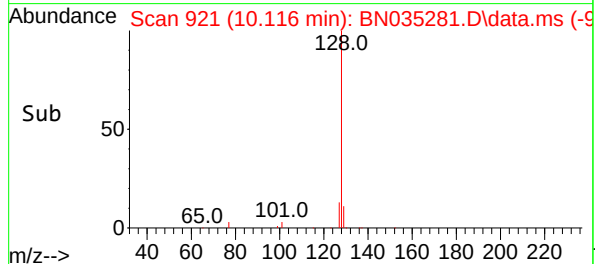
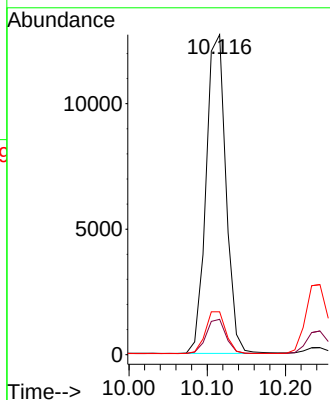
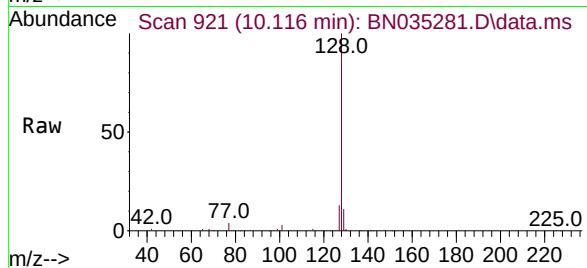




#9
Naphthalene
Concen: 1.761 ng
RT: 10.116 min Scan# 921
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

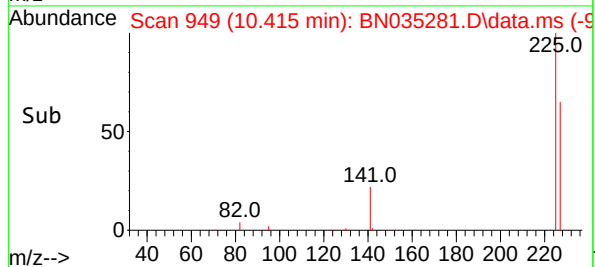
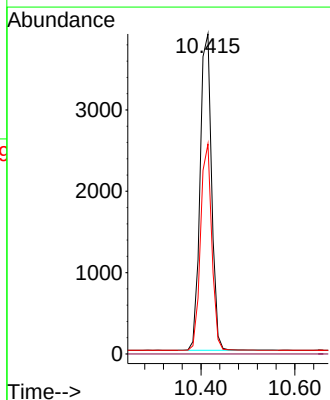
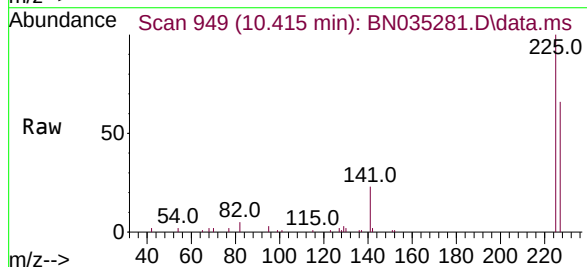
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

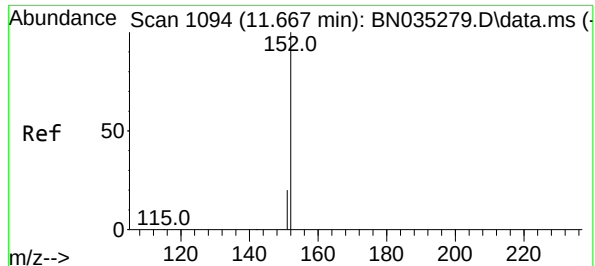
Tgt Ion:128 Resp: 22419
Ion Ratio Lower Upper
128 100
129 11.1 9.6 14.4
127 13.4 11.3 16.9



#10
Hexachlorobutadiene
Concen: 1.770 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:225 Resp: 6605
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.7 51.3 76.9

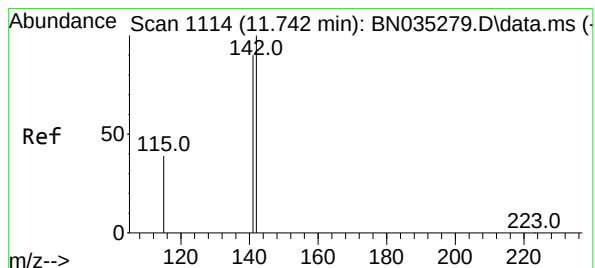
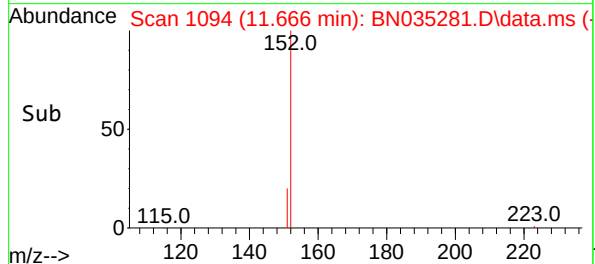
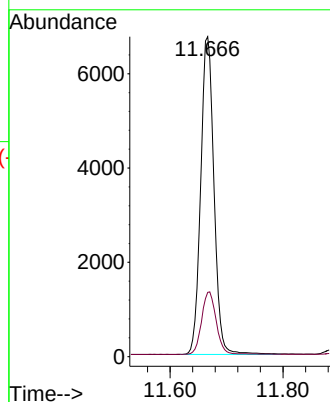
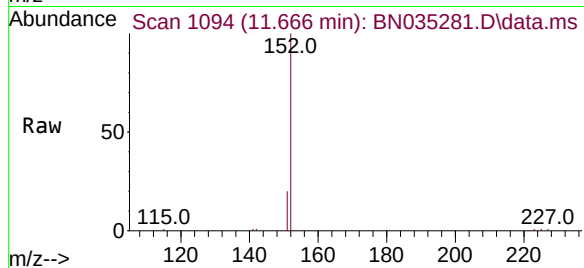




#11
2-Methylnaphthalene-d10
Concen: 1.270 ng
RT: 11.666 min Scan# 11029
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

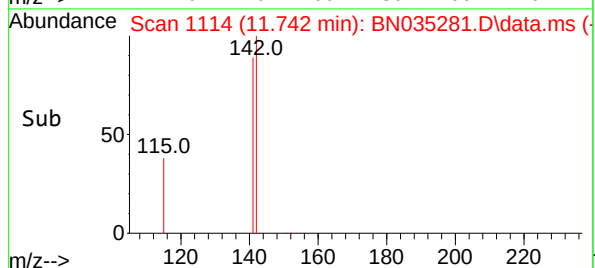
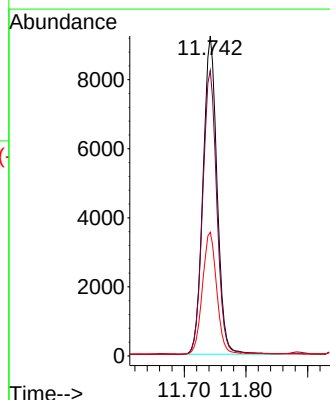
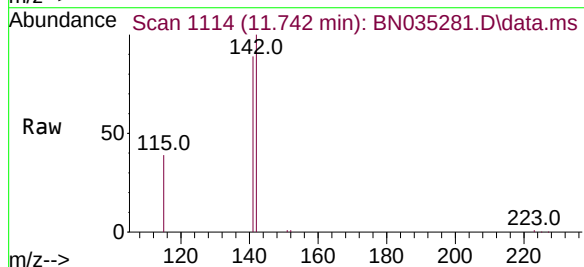
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

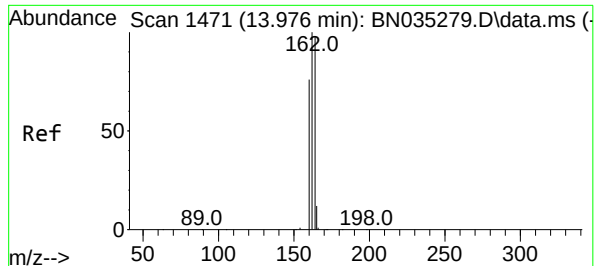
Tgt Ion:152 Resp: 11029
Ion Ratio Lower Upper
152 100
151 21.6 17.2 25.8



#12
2-Methylnaphthalene
Concen: 1.553 ng
RT: 11.742 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:142 Resp: 14579
Ion Ratio Lower Upper
142 100
141 89.2 71.8 107.8
115 38.7 32.6 49.0

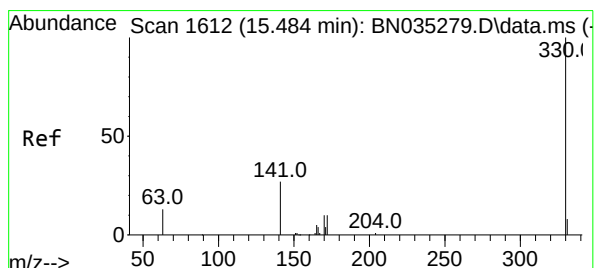
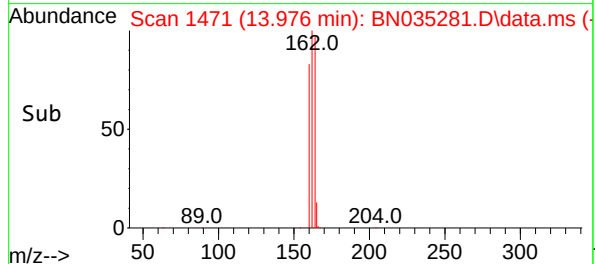
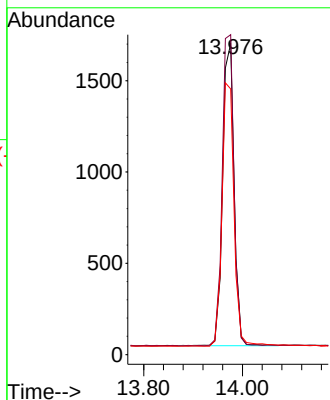
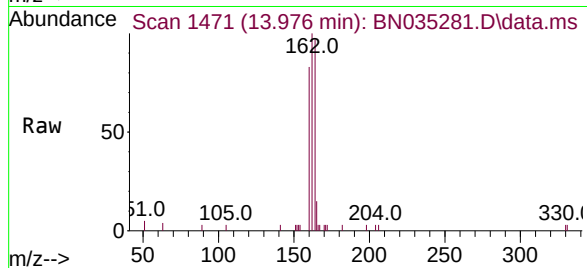




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

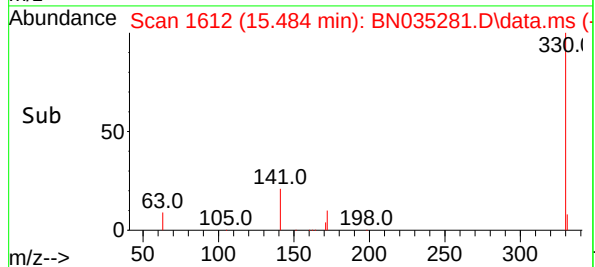
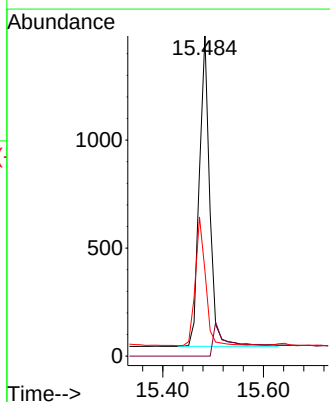
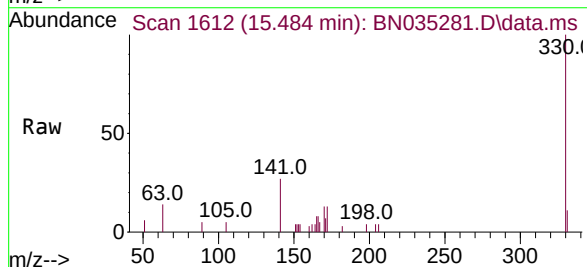
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

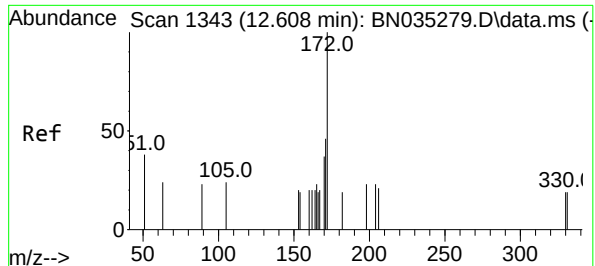
Tgt Ion:164 Resp: 2647
Ion Ratio Lower Upper
164 100
162 102.9 82.0 123.0
160 85.4 63.0 94.4



#14
2,4,6-Tribromophenol
Concen: 1.178 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:330 Resp: 2250
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 40.6 32.4 48.6





#15

2-Fluorobiphenyl

Concen: 0.081 ng

RT: 12.608 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN035281.D

Acq: 25 Nov 2024 12:40

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

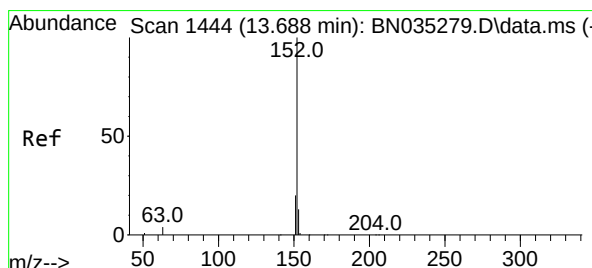
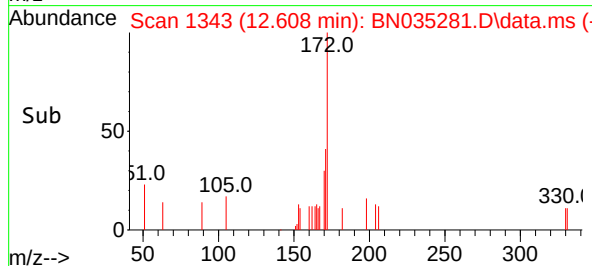
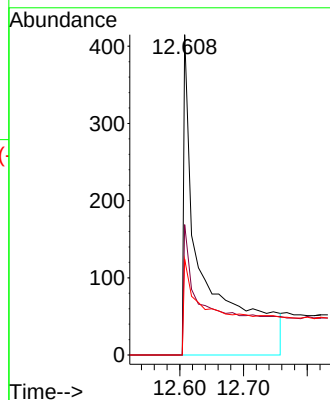
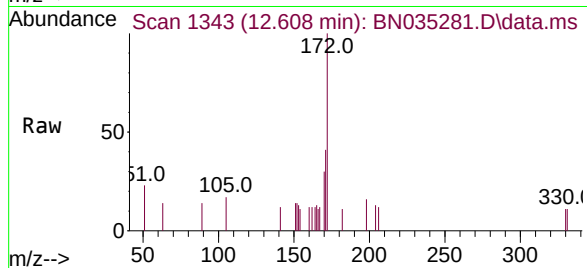
Tgt Ion:172 Resp: 871

Ion Ratio Lower Upper

172 100

171 40.7 36.6 55.0

170 29.9 29.7 44.5



#16

Acenaphthylene

Concen: 1.982 ng

RT: 13.688 min Scan# 1444

Delta R.T. -0.000 min

Lab File: BN035281.D

Acq: 25 Nov 2024 12:40

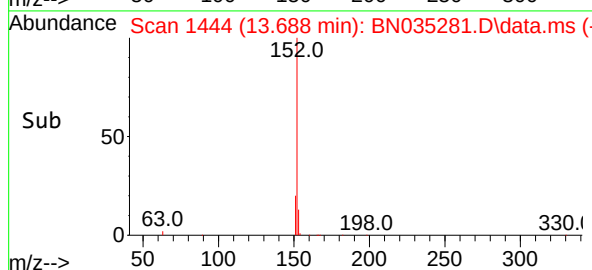
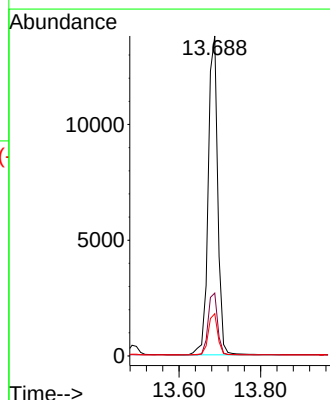
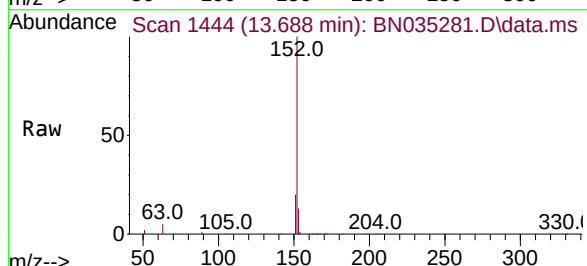
Tgt Ion:152 Resp: 22416

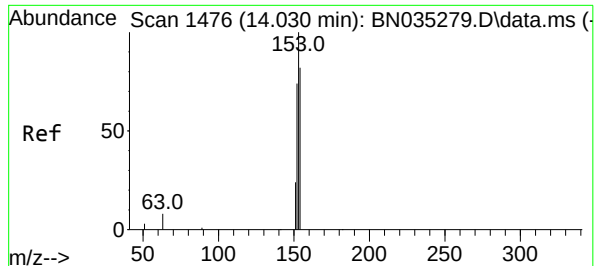
Ion Ratio Lower Upper

152 100

151 19.3 15.9 23.9

153 12.9 10.2 15.4

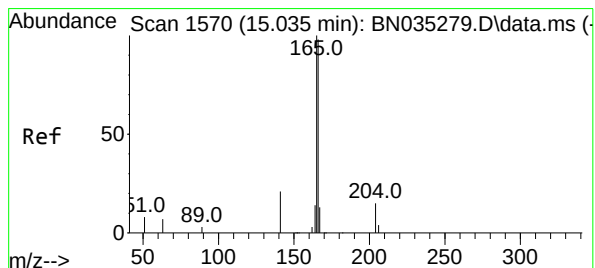
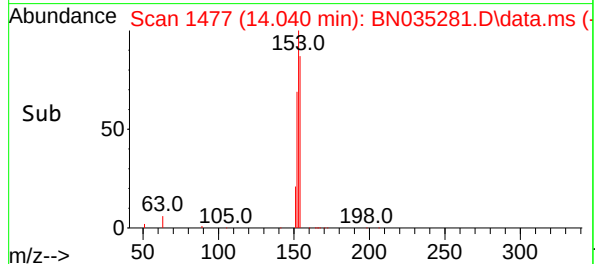
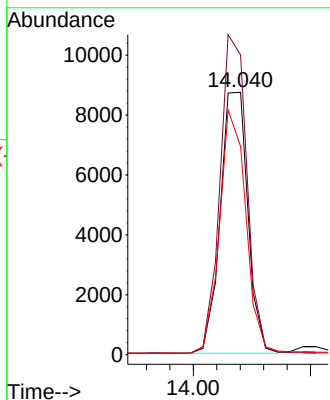
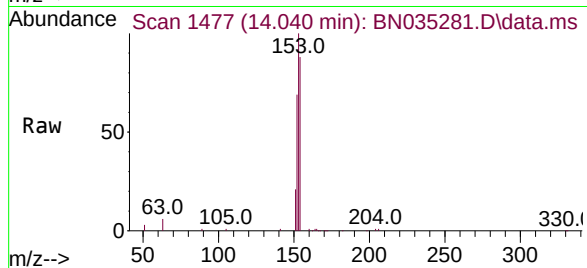




#17
Acenaphthene
Concen: 1.915 ng
RT: 14.040 min Scan# 1476
Delta R.T. 0.010 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

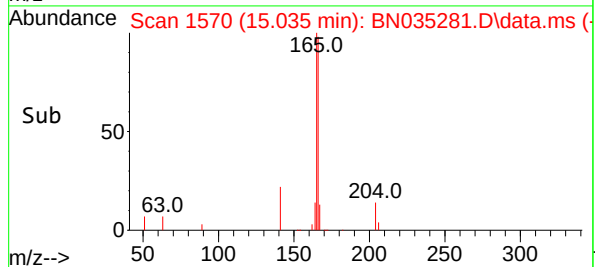
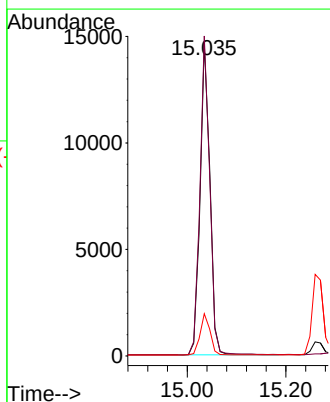
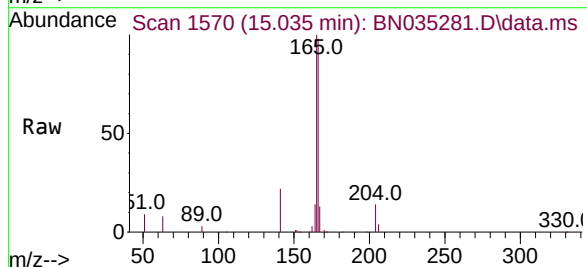
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

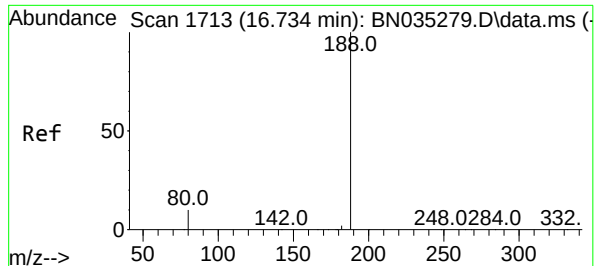
Tgt Ion:154 Resp: 14198
Ion Ratio Lower Upper
154 100
153 119.8 96.1 144.1
152 90.0 72.2 108.2



#18
Fluorene
Concen: 1.852 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:166 Resp: 20193
Ion Ratio Lower Upper
166 100
165 102.0 81.2 121.8
167 13.5 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.734 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BN035281.D

Acq: 25 Nov 2024 12:40

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

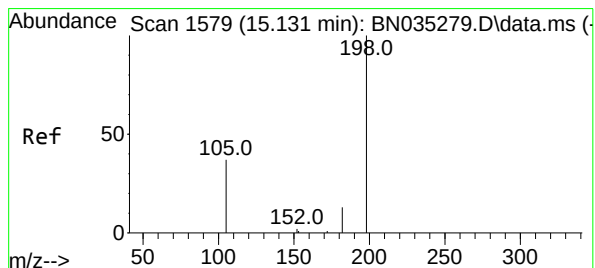
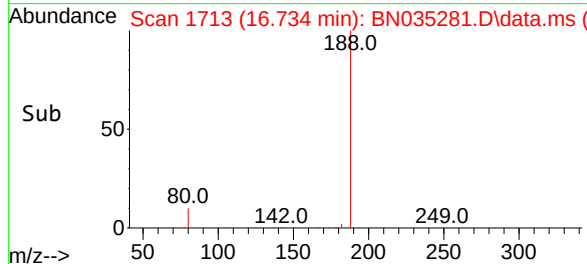
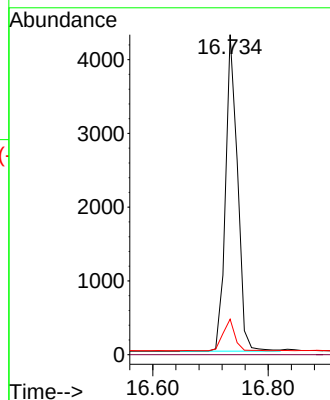
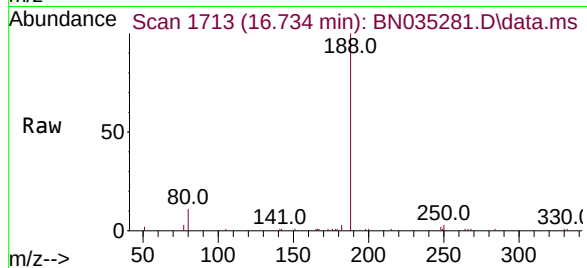
Tgt Ion:188 Resp: 6226

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.1 8.9 13.3



#20

4,6-Dinitro-2-methylphenol

Concen: 0.917 ng

RT: 15.131 min Scan# 1579

Delta R.T. -0.000 min

Lab File: BN035281.D

Acq: 25 Nov 2024 12:40

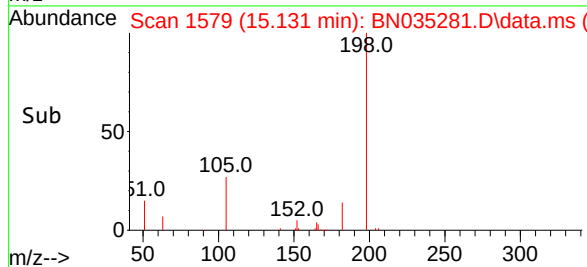
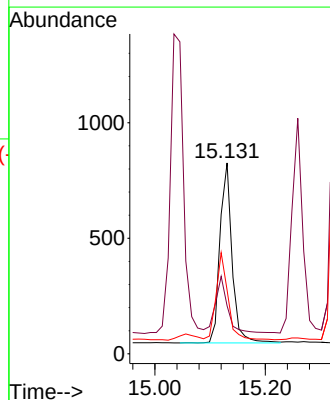
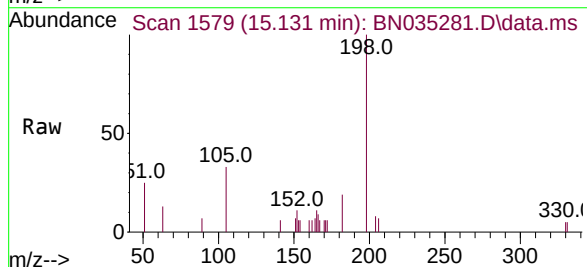
Tgt Ion:198 Resp: 1188

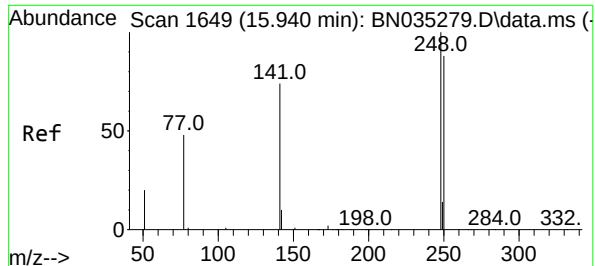
Ion Ratio Lower Upper

198 100

51 25.2 53.6 80.4#

105 33.4 47.4 71.2#

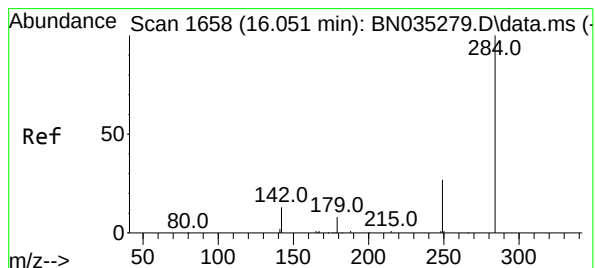
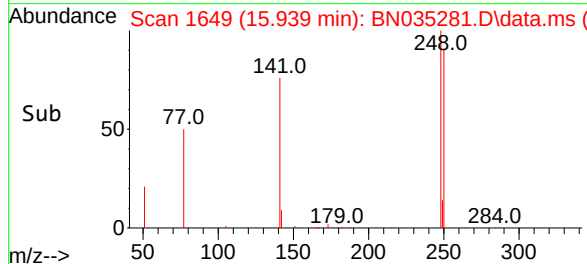
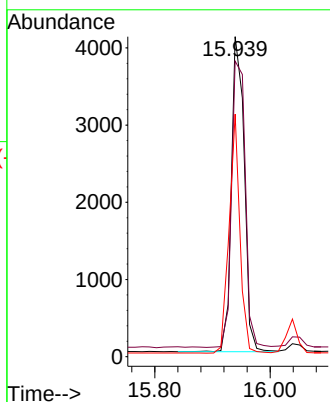
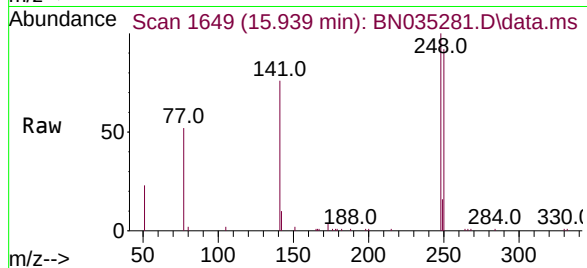




#21
4-Bromophenyl-phenylether
Concen: 1.585 ng
RT: 15.939 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

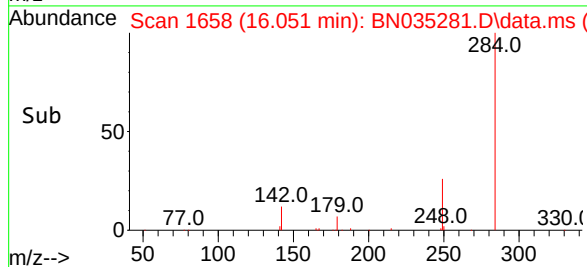
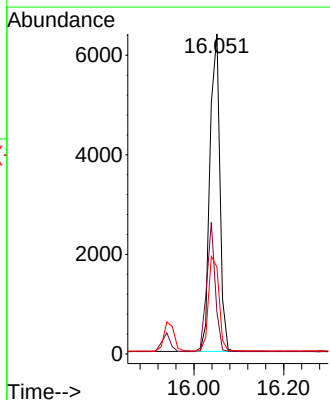
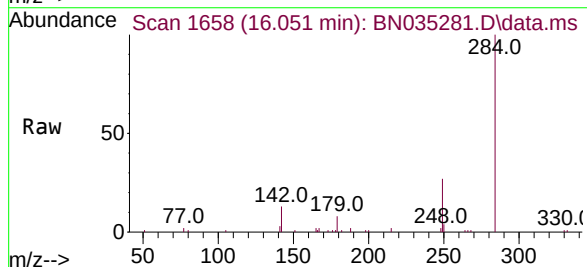
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

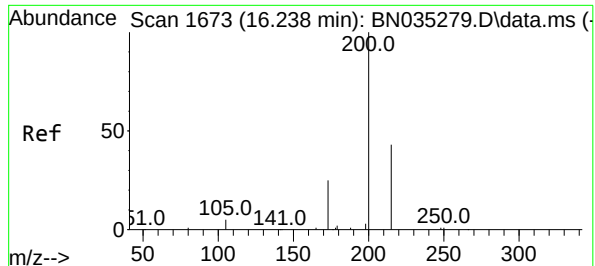
Tgt Ion:248 Resp: 6288
Ion Ratio Lower Upper
248 100
250 92.4 74.8 112.2
141 75.8 59.0 88.4



#22
Hexachlorobenzene
Concen: 2.364 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:284 Resp: 9730
Ion Ratio Lower Upper
284 100
142 35.4 28.7 43.1
249 31.4 25.4 38.0

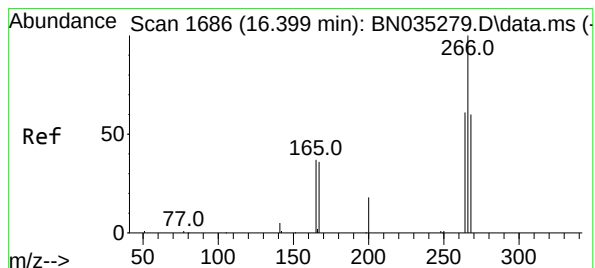
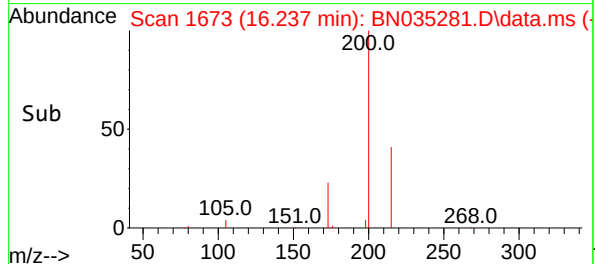
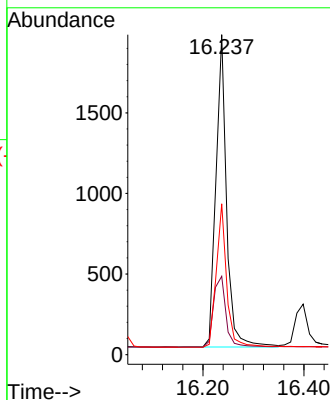
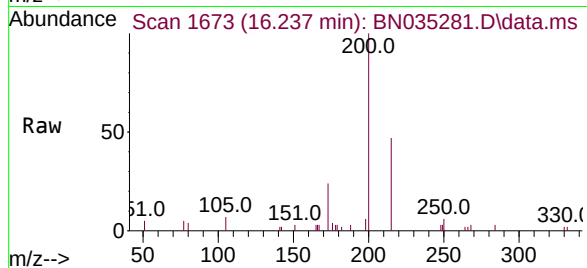




#23
Atrazine
Concen: 0.796 ng
RT: 16.237 min Scan# 1673
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

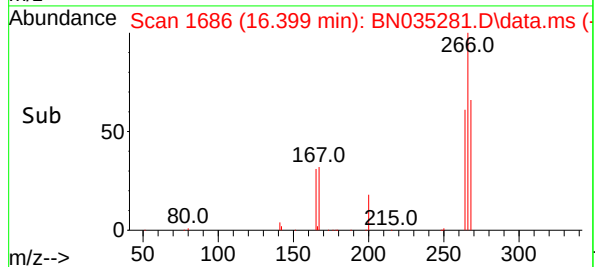
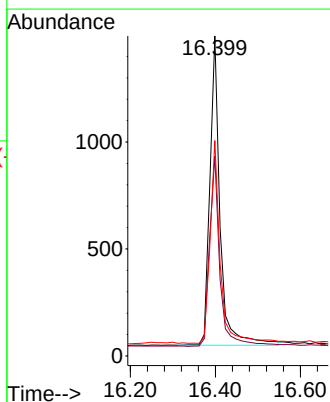
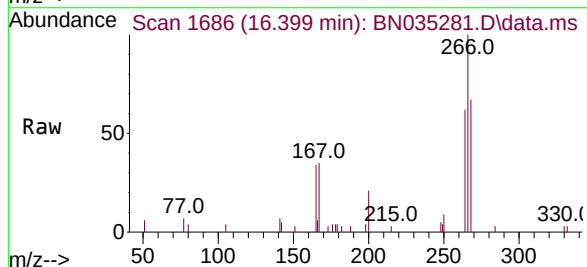
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

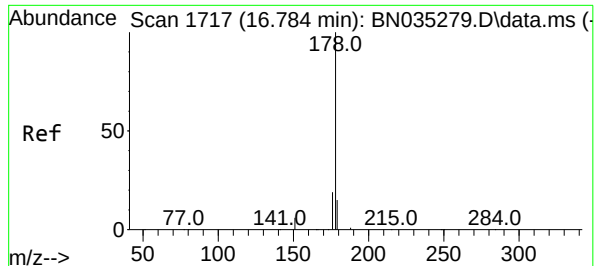
Tgt Ion:200 Resp: 2833
Ion Ratio Lower Upper
200 100
173 24.5 25.8 38.8#
215 47.2 38.6 58.0



#24
Pentachlorophenol
Concen: 1.255 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:266 Resp: 2413
Ion Ratio Lower Upper
266 100
264 62.3 49.3 73.9
268 65.1 48.6 73.0

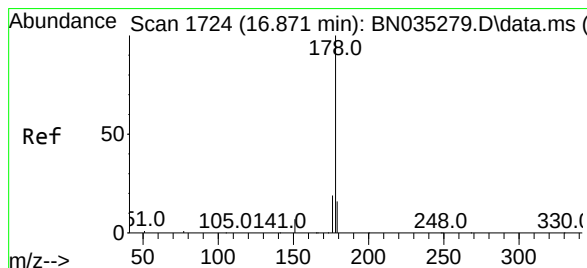
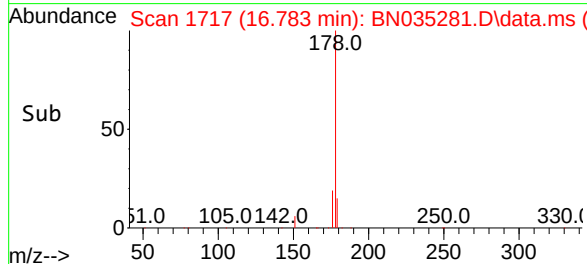
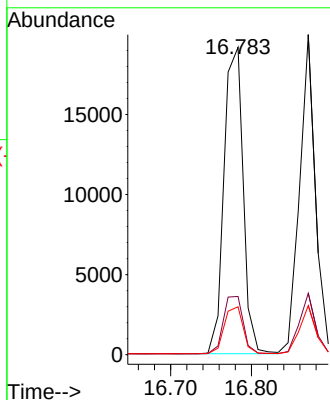
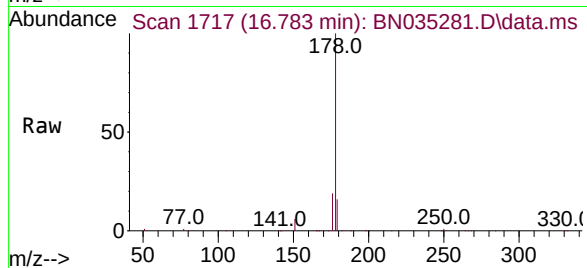




#25
Phenanthrene
Concen: 1.932 ng
RT: 16.783 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

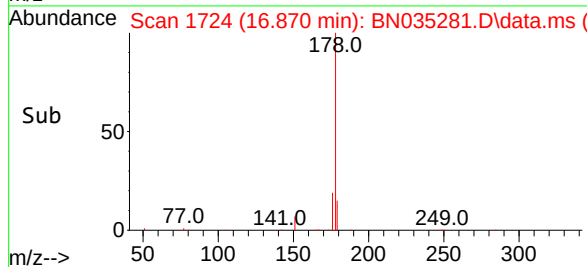
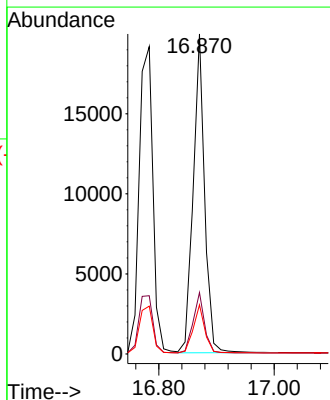
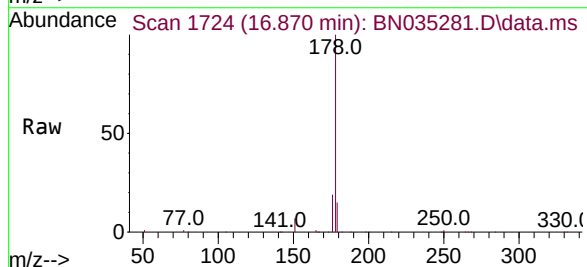
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

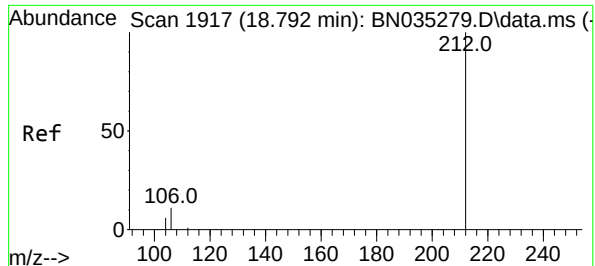
Tgt Ion:178 Resp: 31649
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.3 12.6 18.8



#26
Anthracene
Concen: 1.820 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:178 Resp: 27397
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.4
179 15.3 12.4 18.6

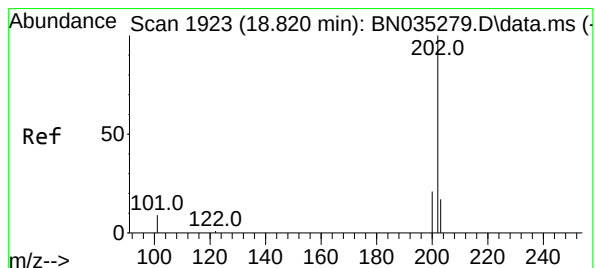
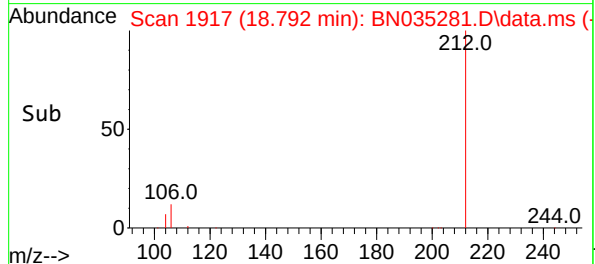
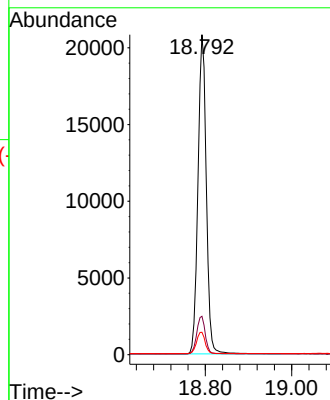
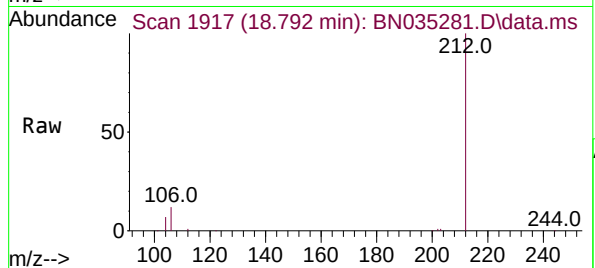




#27
Fluoranthene-d10
Concen: 1.462 ng
RT: 18.792 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

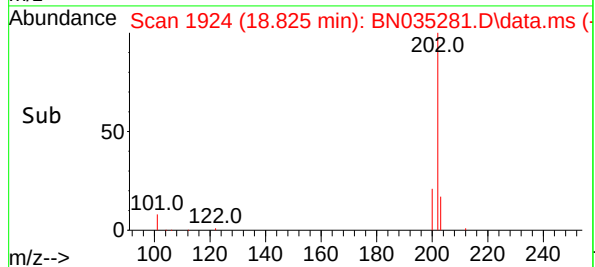
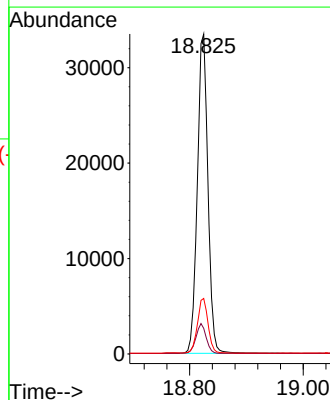
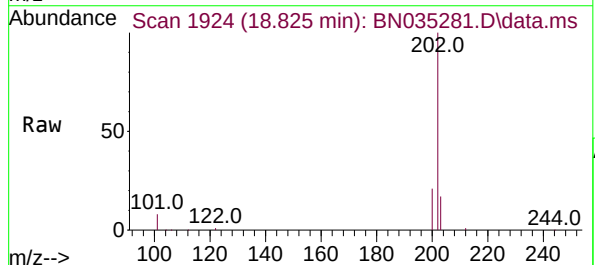
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

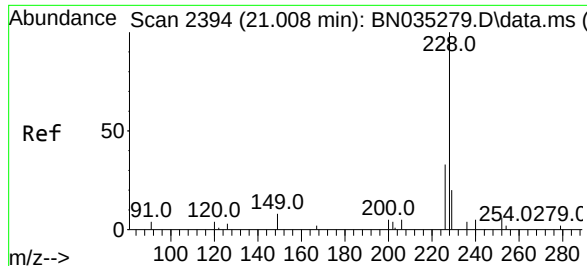
Tgt Ion:212 Resp: 27881
Ion Ratio Lower Upper
212 100
106 12.1 9.8 14.8
104 7.0 5.6 8.4



#28
Fluoranthene
Concen: 1.914 ng
RT: 18.825 min Scan# 1924
Delta R.T. 0.004 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:202 Resp: 43133
Ion Ratio Lower Upper
202 100
101 9.2 7.6 11.4
203 17.1 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035281.D

Acq: 25 Nov 2024 12:40

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

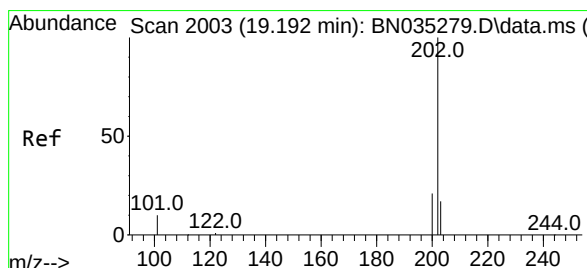
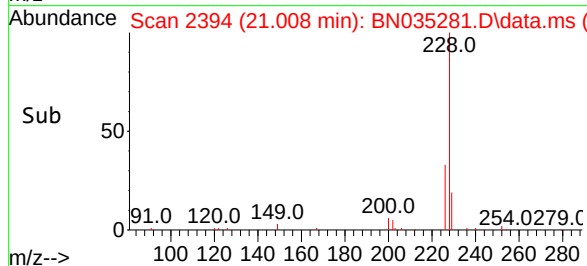
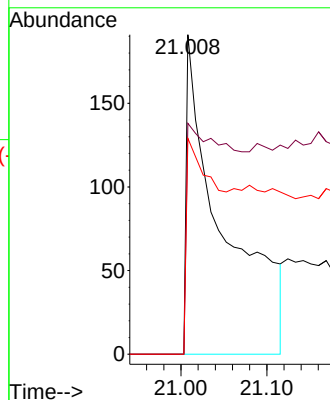
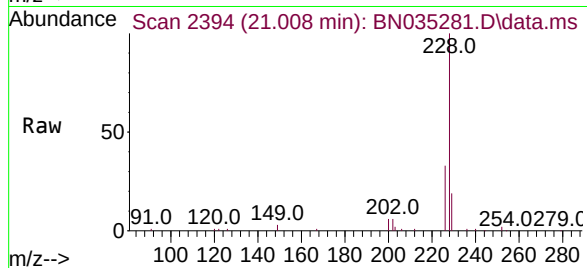
Tgt Ion:240 Resp: 542

Ion Ratio Lower Upper

240 100

120 72.3 54.9 82.3

236 67.5 54.0 81.0



#30

Pyrene

Concen: 21.370 ng

RT: 19.192 min Scan# 2003

Delta R.T. -0.000 min

Lab File: BN035281.D

Acq: 25 Nov 2024 12:40

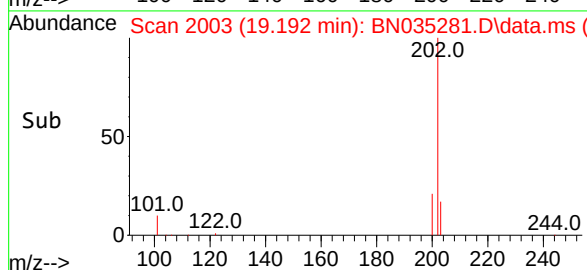
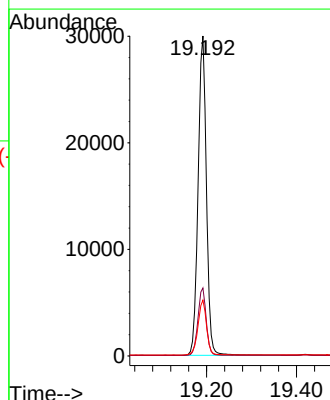
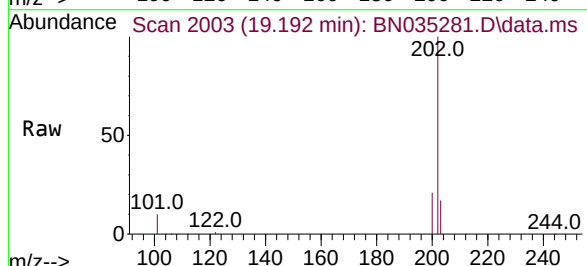
Tgt Ion:202 Resp: 38572

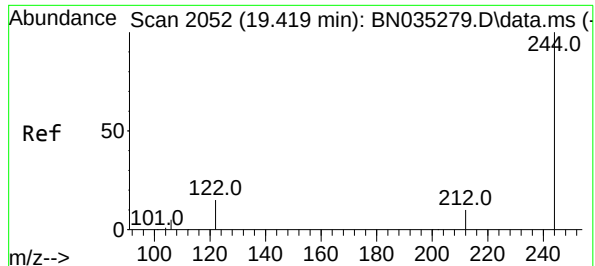
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 17.7 14.4 21.6

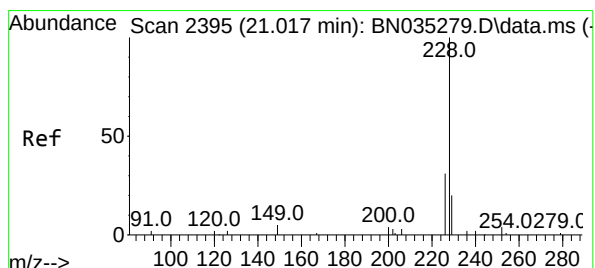
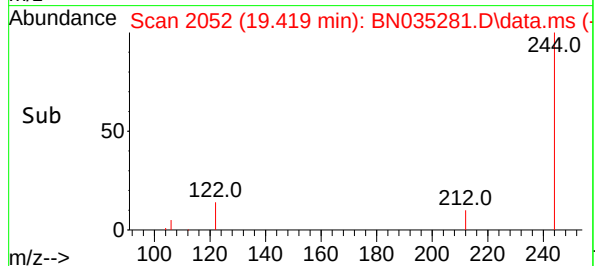
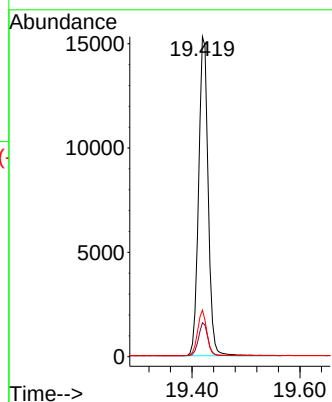
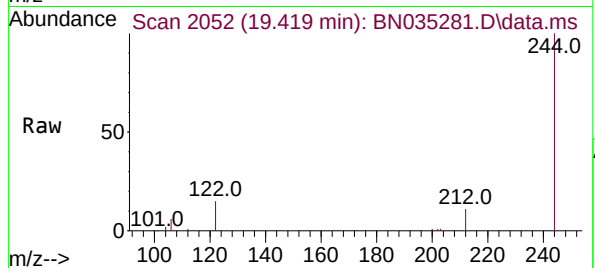




#31
Terphenyl-d14
Concen: 16.424 ng
RT: 19.419 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

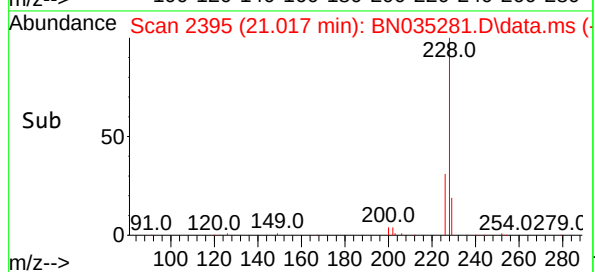
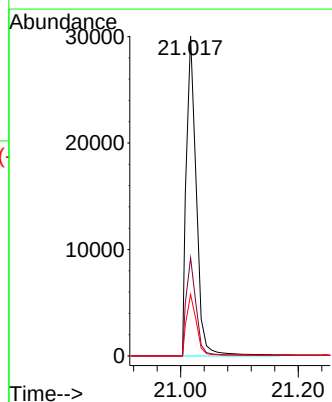
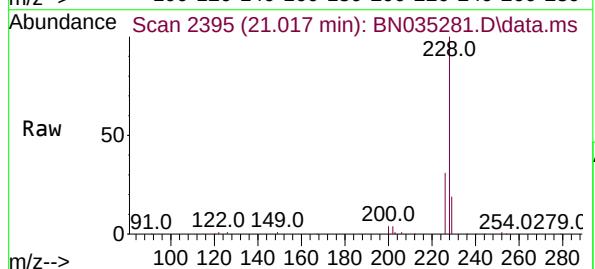
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

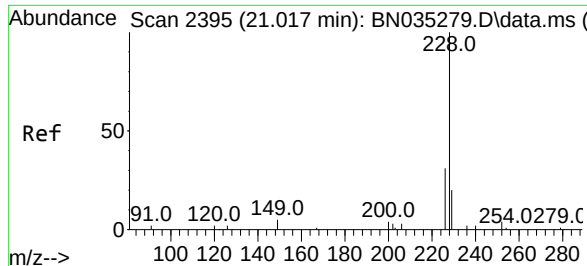
Tgt Ion:244 Resp: 18679
Ion Ratio Lower Upper
244 100
212 10.6 9.4 14.0
122 14.6 13.0 19.4



#32
Benzo(a)anthracene
Concen: 18.849 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:228 Resp: 35573
Ion Ratio Lower Upper
228 100
226 30.7 24.7 37.1
229 19.2 16.2 24.2





#33

Chrysene

Concen: 19.028 ng

RT: 21.017 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035281.D

Acq: 25 Nov 2024 12:40

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

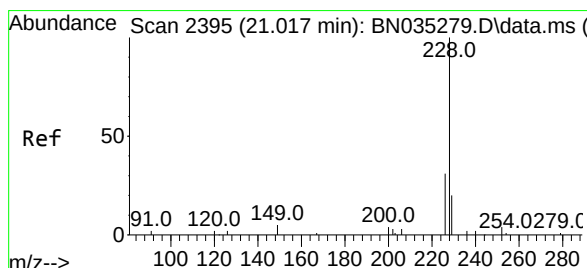
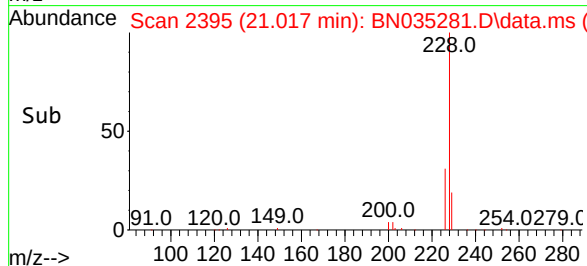
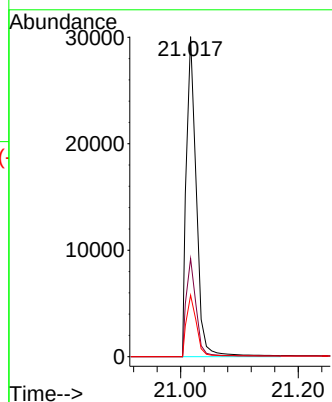
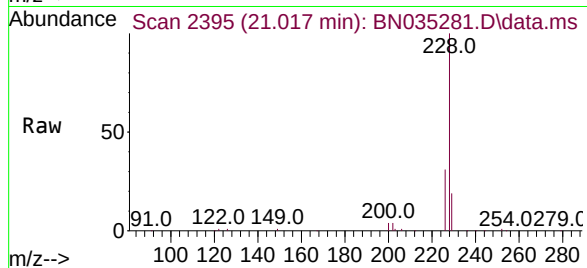
Tgt Ion:228 Resp: 35573

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

229 19.2 16.2 24.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.955 ng

RT: 21.017 min Scan# 2395

Delta R.T. -0.000 min

Lab File: BN035281.D

Acq: 25 Nov 2024 12:40

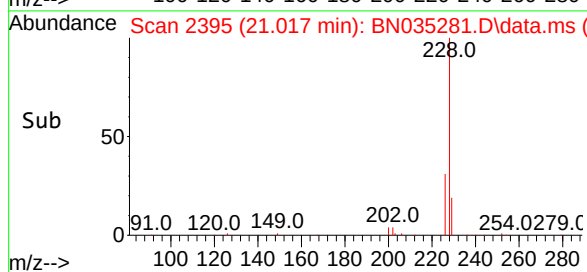
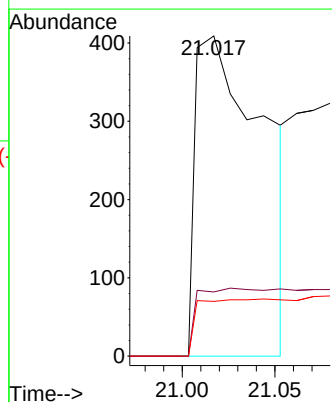
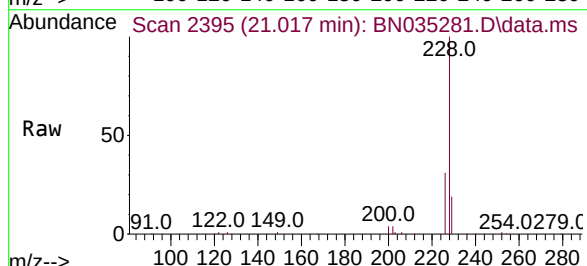
Tgt Ion:149 Resp: 946

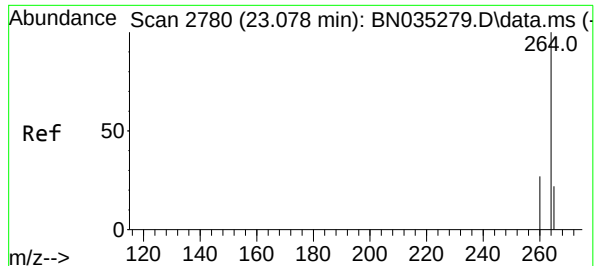
Ion Ratio Lower Upper

149 100

167 20.1 0.0 0.0#

279 0.0 13.0 19.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.081 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN035281.D

Acq: 25 Nov 2024 12:40

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

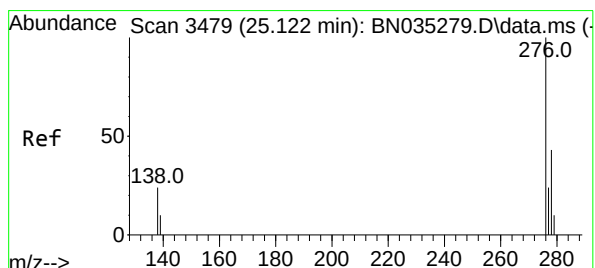
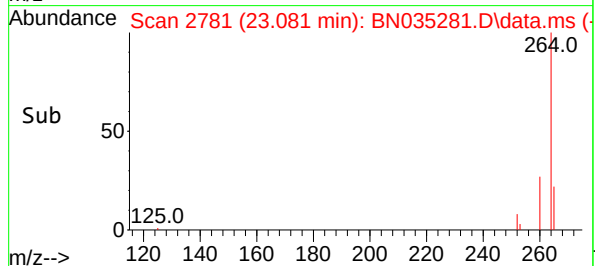
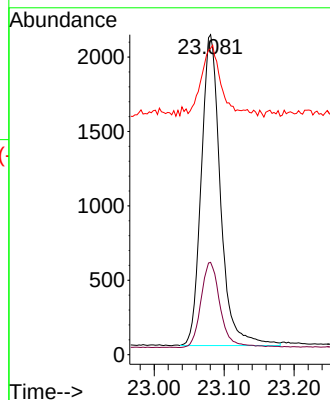
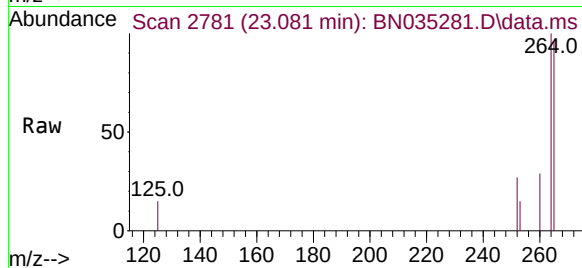
Tgt Ion:264 Resp: 3989

Ion Ratio Lower Upper

264 100

260 28.8 22.3 33.5

265 95.7 68.6 103.0



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.749 ng

RT: 25.124 min Scan# 3480

Delta R.T. 0.003 min

Lab File: BN035281.D

Acq: 25 Nov 2024 12:40

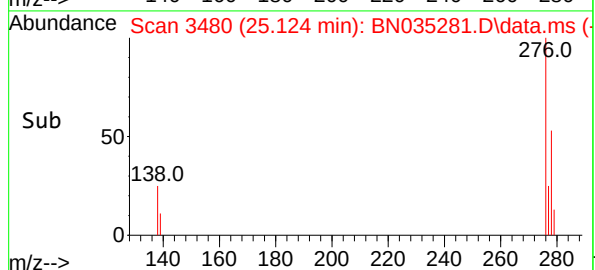
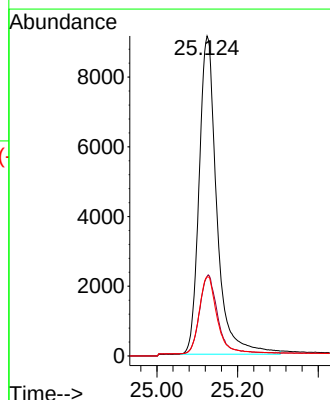
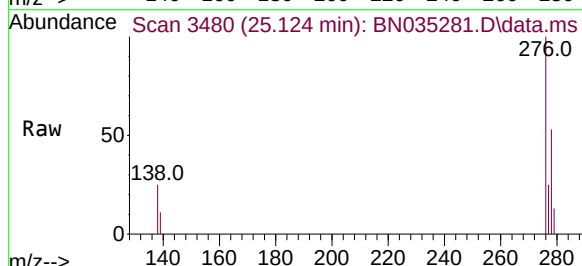
Tgt Ion:276 Resp: 27825

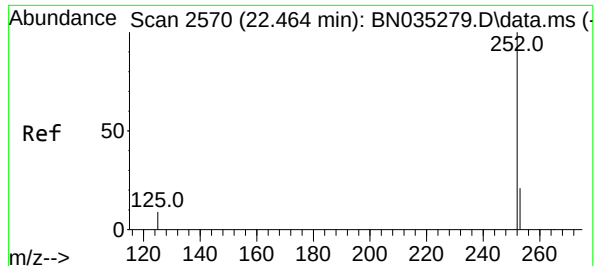
Ion Ratio Lower Upper

276 100

138 24.8 18.8 28.2

277 24.3 18.2 27.4





#37

Benzo(b)fluoranthene

Concen: 2.232 ng

RT: 22.467 min Scan# 2571

Delta R.T. 0.003 min

Lab File: BN035281.D

Acq: 25 Nov 2024 12:40

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

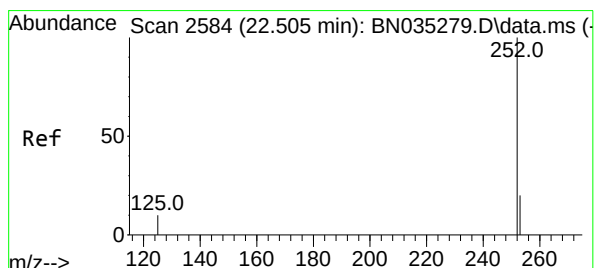
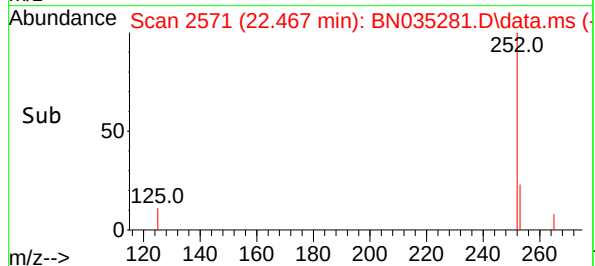
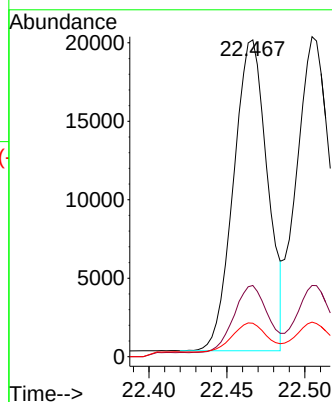
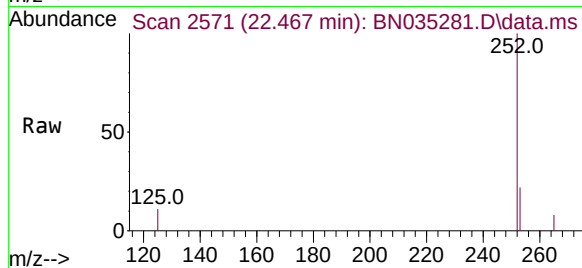
Tgt Ion:252 Resp: 29950

Ion Ratio Lower Upper

252 100

253 22.5 20.2 30.2

125 10.6 12.0 18.0#



#38

Benzo(k)fluoranthene

Concen: 2.434 ng

RT: 22.505 min Scan# 2584

Delta R.T. -0.000 min

Lab File: BN035281.D

Acq: 25 Nov 2024 12:40

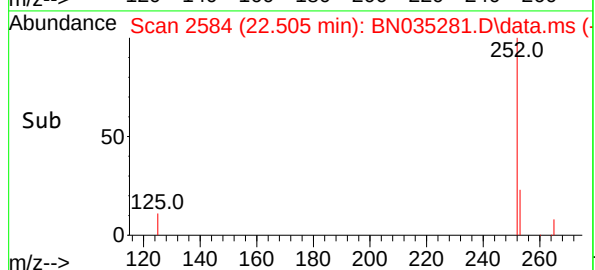
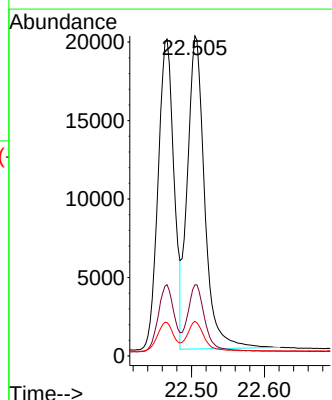
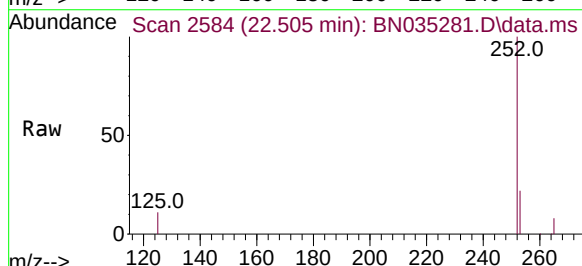
Tgt Ion:252 Resp: 32689

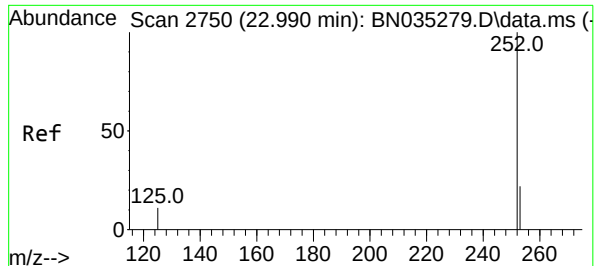
Ion Ratio Lower Upper

252 100

253 22.2 20.1 30.1

125 10.8 12.7 19.1#





#39

Benzo(a)pyrene

Concen: 1.929 ng

RT: 22.990 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035281.D

Acq: 25 Nov 2024 12:40

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

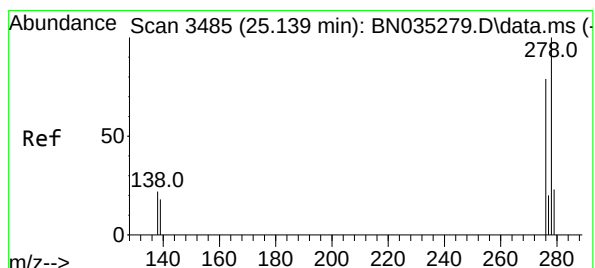
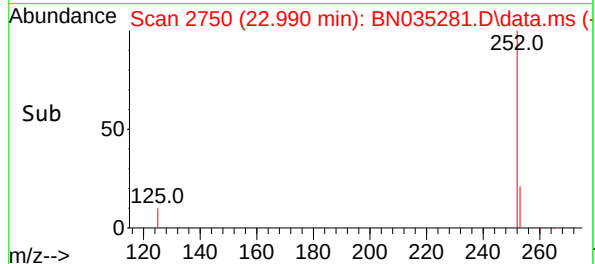
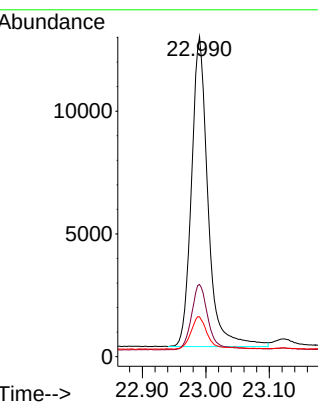
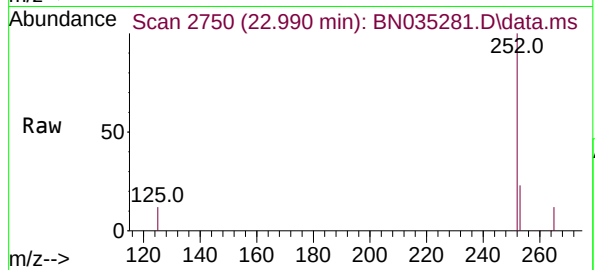
Tgt Ion:252 Resp: 22785

Ion Ratio Lower Upper

252 100

253 22.5 22.3 33.5

125 12.5 15.3 22.9#



#40

Dibenzo(a,h)anthracene

Concen: 1.712 ng

RT: 25.142 min Scan# 3486

Delta R.T. 0.003 min

Lab File: BN035281.D

Acq: 25 Nov 2024 12:40

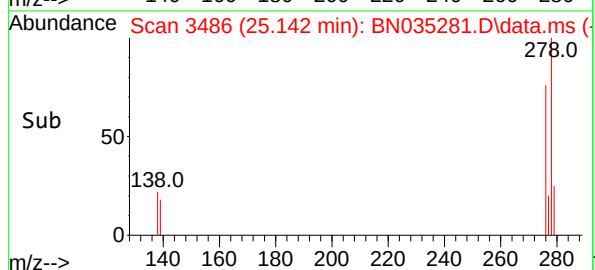
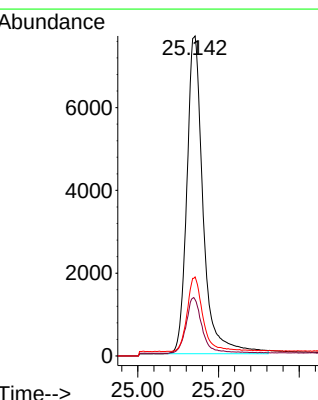
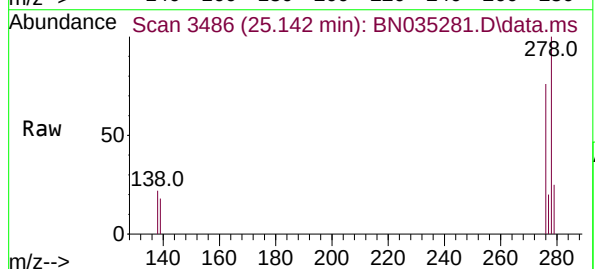
Tgt Ion:278 Resp: 21588

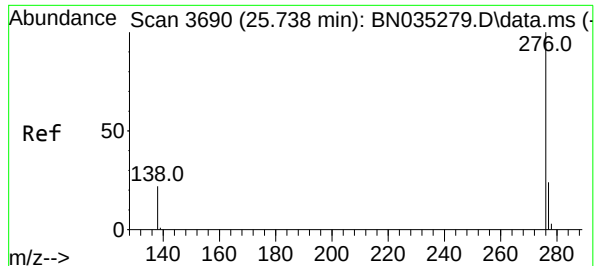
Ion Ratio Lower Upper

278 100

139 17.6 17.0 25.6

279 24.7 23.0 34.4





#41

Benzo(g,h,i)perylene

Concen: 1.794 ng

RT: 25.738 min Scan# 30

Delta R.T. -0.000 min

Lab File: BN035281.D

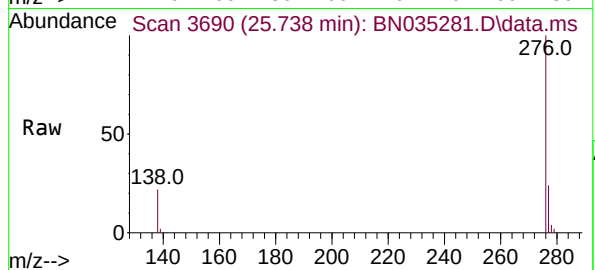
Acq: 25 Nov 2024 12:40

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



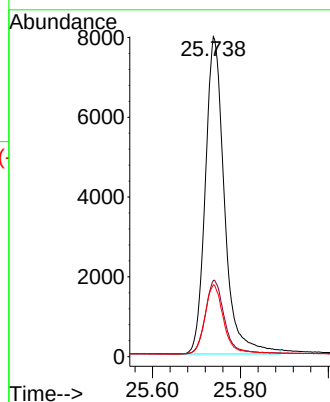
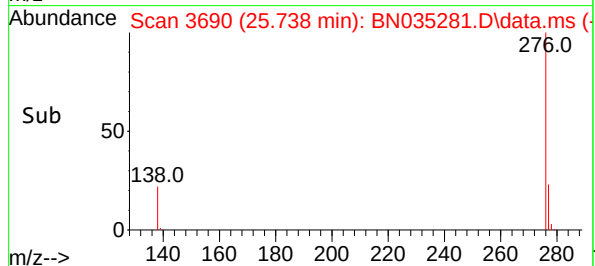
Tgt Ion:276 Resp: 24058

Ion Ratio Lower Upper

276 100

277 23.8 21.1 31.7

138 22.4 19.8 29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035282.D
 Acq On : 25 Nov 2024 13:16
 Operator : RC/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

Quant Time: Nov 25 14:21:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 25 14:16:35 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

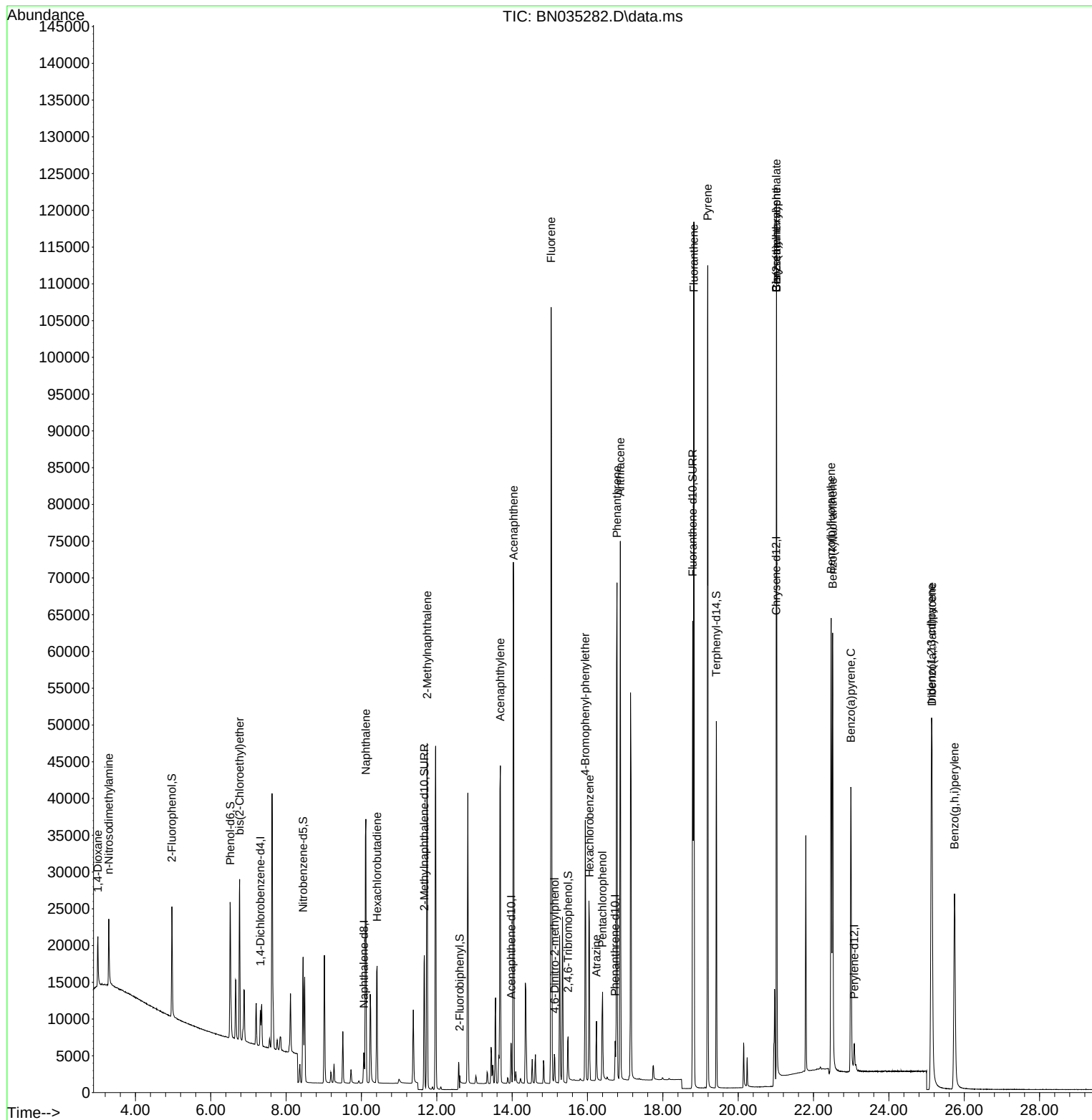
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	2270	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	5138	0.400	ng	0.00
13) Acenaphthene-d10	13.976	164	2927	0.400	ng	0.00
19) Phenanthrene-d10	16.734	188	6761	0.400	ng	0.00
29) Chrysene-d12	21.008	240	721	0.400	ng	0.00
35) Perylene-d12	23.081	264	4343	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	12319	2.138	ng	0.00
5) Phenol-d6	6.520	99	17485	2.420	ng	0.00
8) Nitrobenzene-d5	8.450	82	14309	3.199	ng	0.00
11) 2-Methylnaphthalene-d10	11.667	152	23828	2.602	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	5391	2.553	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1139	0.096	ng	0.00
27) Fluoranthene-d10	18.792	212	66182	3.195	ng	0.00
31) Terphenyl-d14	19.419	244	44092	29.144	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	4753	2.305	ng	# 77
3) n-Nitrosodimethylamine	3.292	42	5433	2.827	ng	# 85
6) bis(2-Chloroethyl)ether	6.766	93	15869	2.926	ng	100
9) Naphthalene	10.116	128	46866	3.494	ng	98
10) Hexachlorobutadiene	10.415	225	13571	3.452	ng	# 99
12) 2-Methylnaphthalene	11.742	142	32151	3.249	ng	98
16) Acenaphthylene	13.688	152	50280	4.019	ng	99
17) Acenaphthene	14.040	154	32466	3.960	ng	96
18) Fluorene	15.035	166	46490	3.855	ng	99
20) 4,6-Dinitro-2-methylph...	15.131	198	3008	2.137	ng	# 48
21) 4-Bromophenyl-phenylether	15.939	248	14640	3.399	ng	99
22) Hexachlorobenzene	16.051	284	20624	4.614	ng	100
23) Atrazine	16.237	200	6312	1.633	ng	# 92
24) Pentachlorophenol	16.399	266	6031	2.888	ng	97
25) Phenanthrene	16.784	178	73801	4.148	ng	99
26) Anthracene	16.870	178	67705	4.143	ng	100
28) Fluoranthene	18.825	202	102229	4.178	ng	100
30) Pyrene	19.192	202	93180	38.808	ng	99
32) Benzo(a)anthracene	21.017	228	82975	33.051	ng	99
33) Chrysene	21.017	228	82975	33.364	ng	99
34) Bis(2-ethylhexyl)phtha...	21.017	149	1320	1.002	ng	# 84
36) Indeno(1,2,3-cd)pyrene	25.127	276	62075	3.583	ng	97
37) Benzo(b)fluoranthene	22.467	252	69657	4.767	ng	# 91
38) Benzo(k)fluoranthene	22.508	252	72243	4.941	ng	# 91
39) Benzo(a)pyrene	22.990	252	51266	3.987	ng	# 87
40) Dibenzo(a,h)anthracene	25.145	278	48696	3.547	ng	91
41) Benzo(g,h,i)perylene	25.744	276	52706	3.610	ng	94

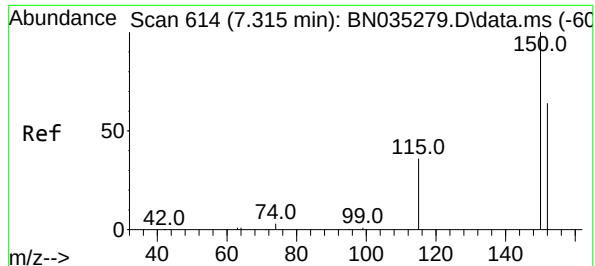
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035282.D
Acq On : 25 Nov 2024 13:16
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

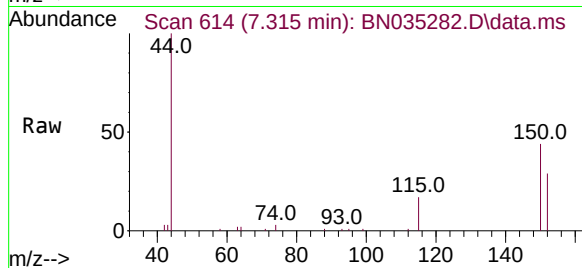
Quant Time: Nov 25 14:21:04 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration



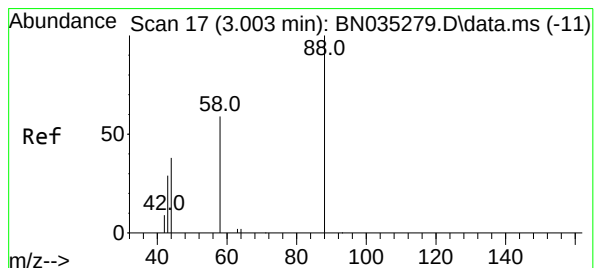
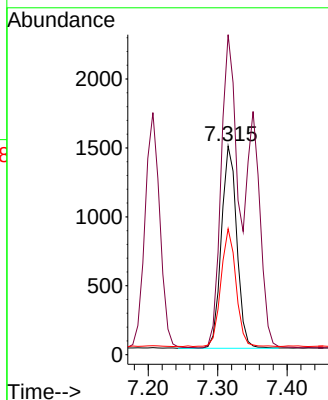
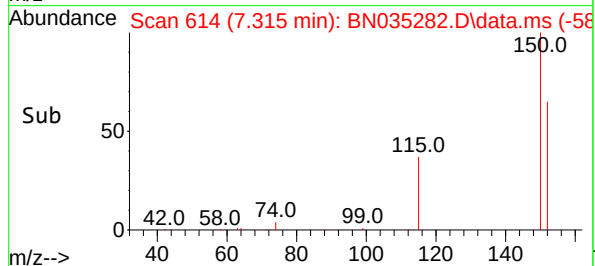


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

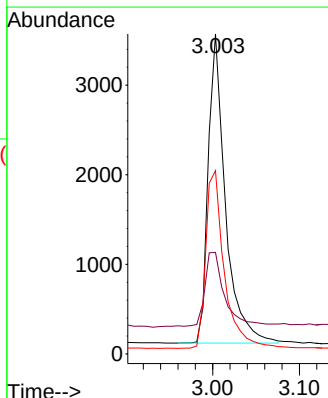
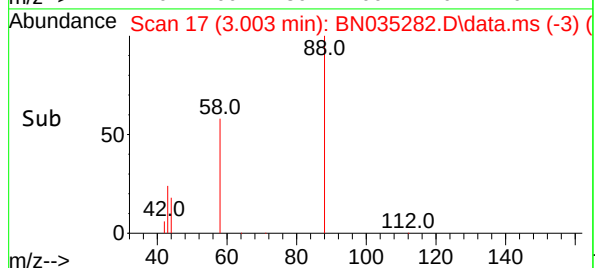
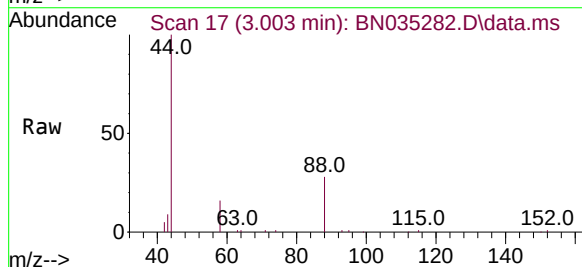


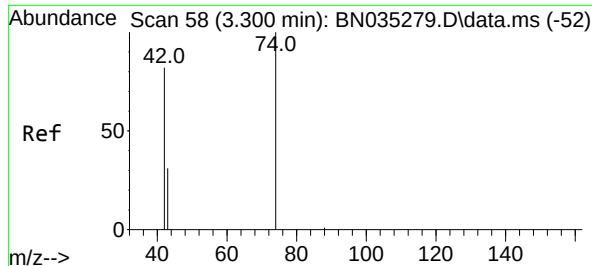
Tgt Ion:152 Resp: 2270
Ion Ratio Lower Upper
152 100
150 153.4 124.5 186.7
115 60.4 47.8 71.8



#2
1,4-Dioxane
Concen: 2.305 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion: 88 Resp: 4753
Ion Ratio Lower Upper
88 100
43 29.5 48.1 72.1#
58 61.9 46.9 70.3

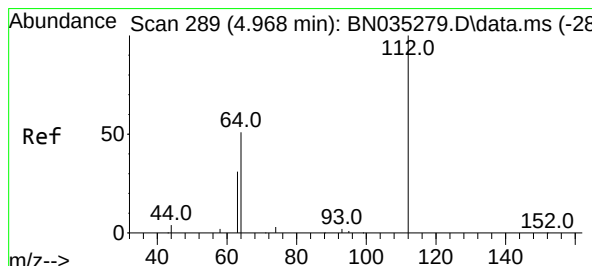
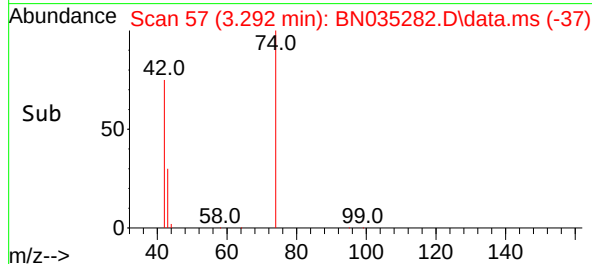
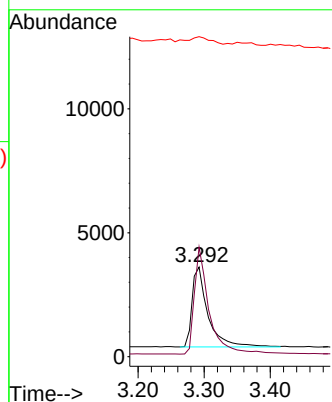
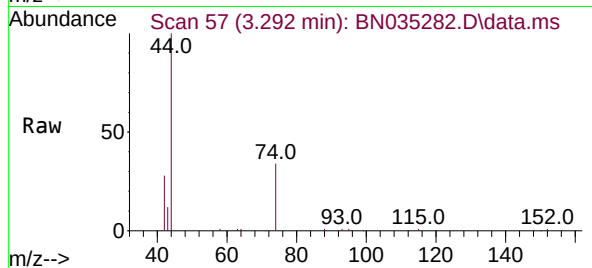




#3
n-Nitrosodimethylamine
Concen: 2.827 ng
RT: 3.292 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

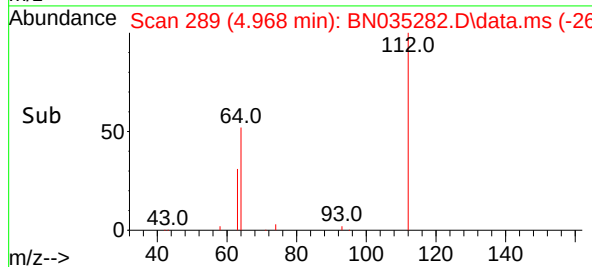
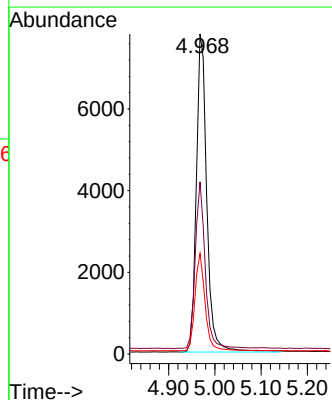
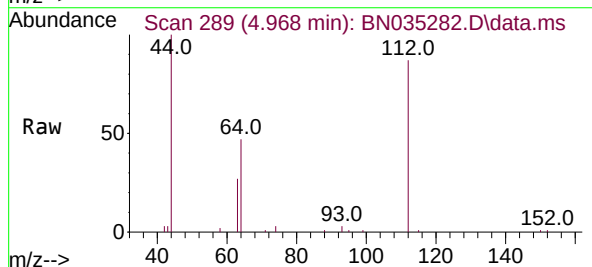
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

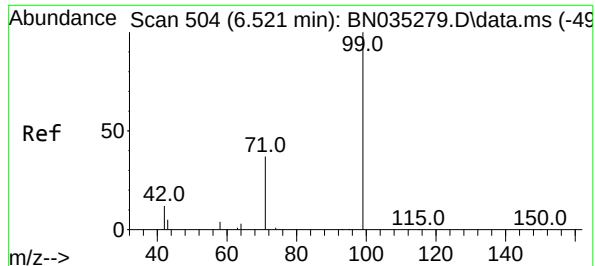
Tgt Ion: 42 Resp: 5433
Ion Ratio Lower Upper
42 100
74 124.6 102.7 154.1
44 9.3 34.1 51.1#



#4
2-Fluorophenol
Concen: 2.138 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion: 112 Resp: 12319
Ion Ratio Lower Upper
112 100
64 50.4 40.4 60.6
63 29.7 23.8 35.8

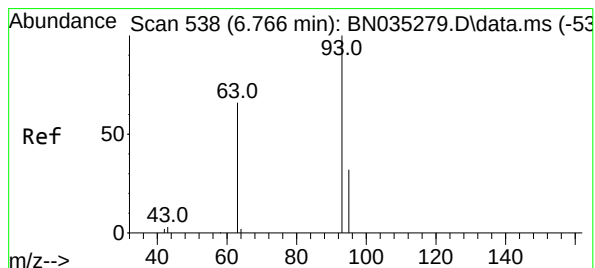
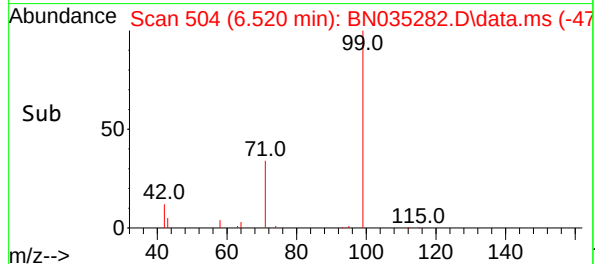
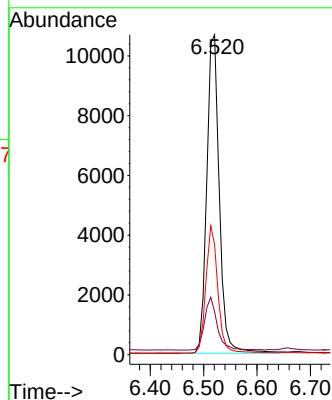
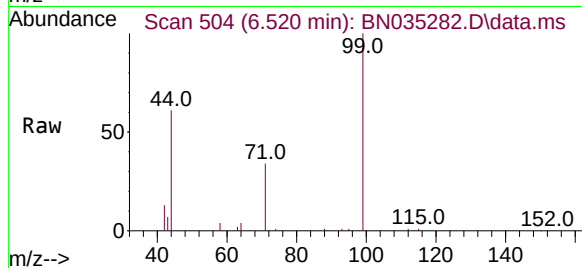




#5
Phenol-d6
Concen: 2.420 ng
RT: 6.520 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

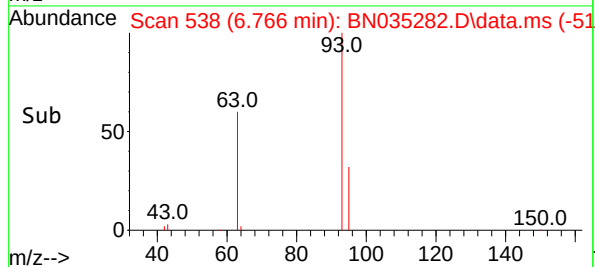
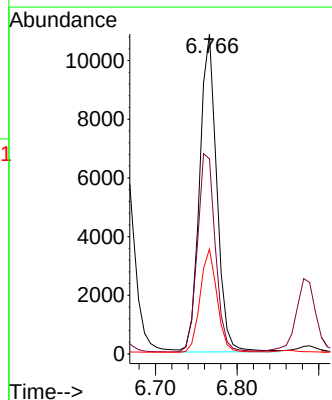
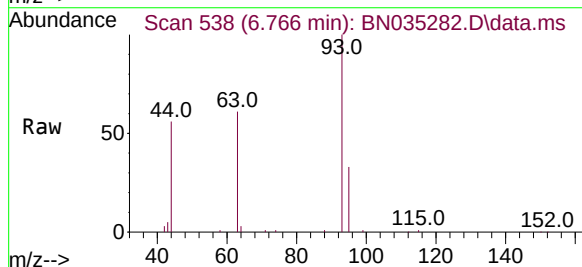
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

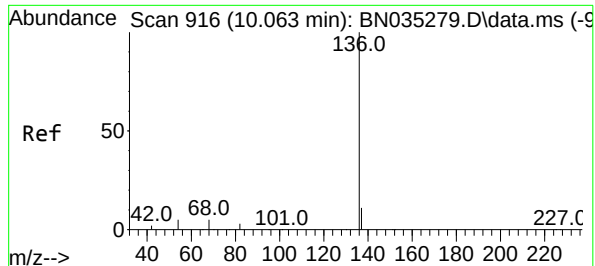
Tgt Ion: 99 Resp: 17485
Ion Ratio Lower Upper
99 100
42 16.7 12.8 19.2
71 38.2 31.4 47.2



#6
bis(2-Chloroethyl)ether
Concen: 2.926 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion: 93 Resp: 15869
Ion Ratio Lower Upper
93 100
63 65.4 52.3 78.5
95 32.0 25.5 38.3

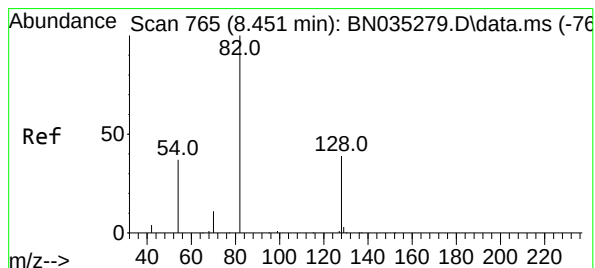
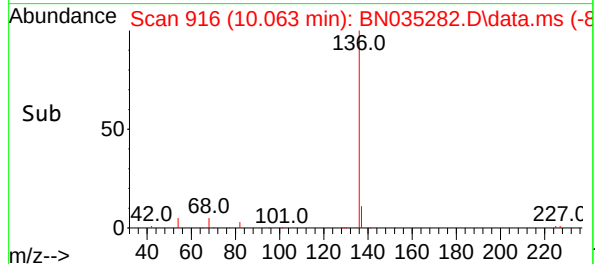
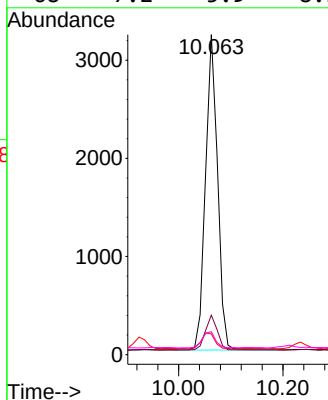
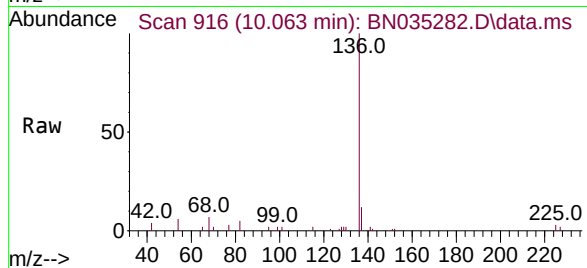




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

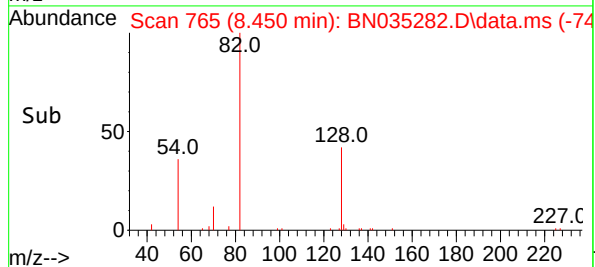
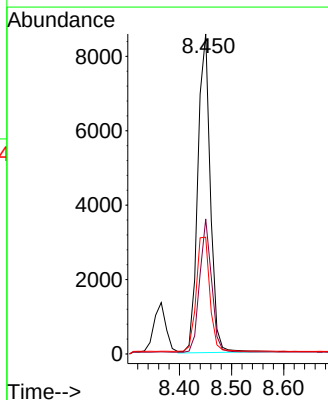
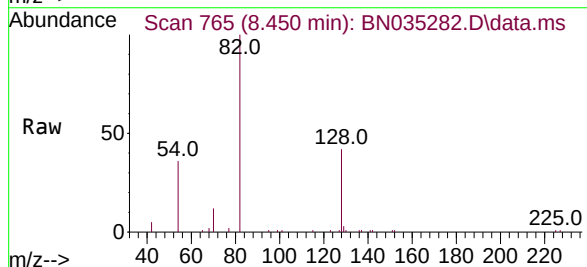
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

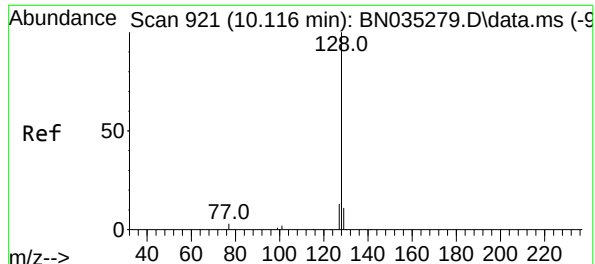
Tgt Ion:	136	Resp:	5138
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.7	14.5
54	6.5	5.3	7.9
68	7.2	5.9	8.9



#8
Nitrobenzene-d5
Concen: 3.199 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:	82	Resp:	14309
Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.0	49.4
54	36.5	33.3	49.9

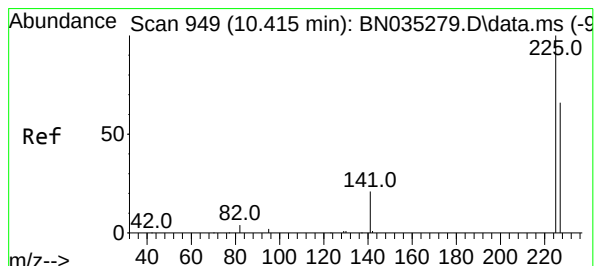
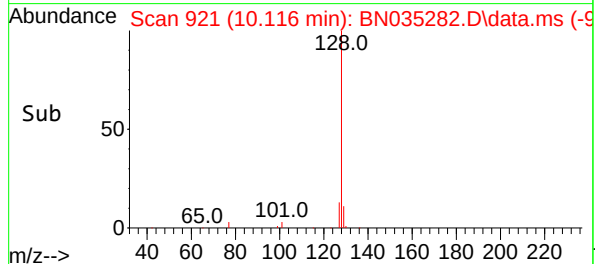
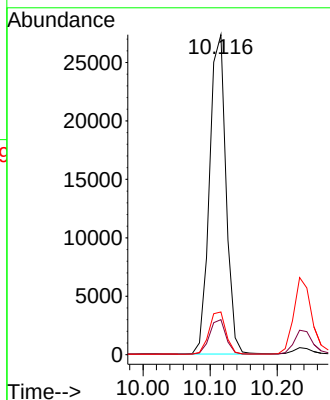
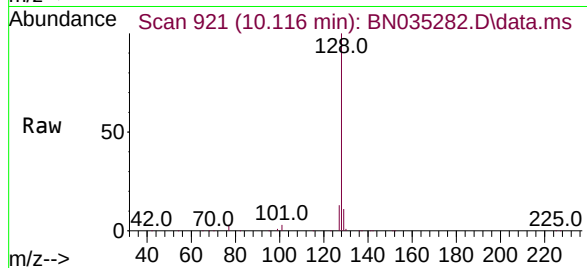




#9
Naphthalene
Concen: 3.494 ng
RT: 10.116 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

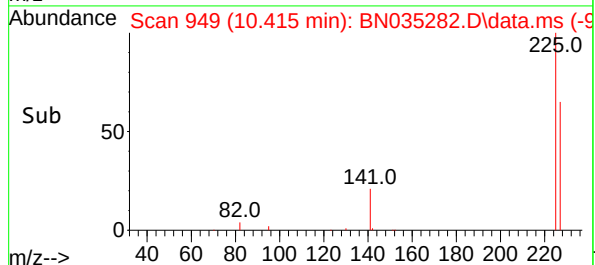
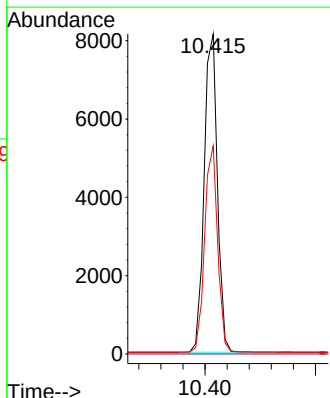
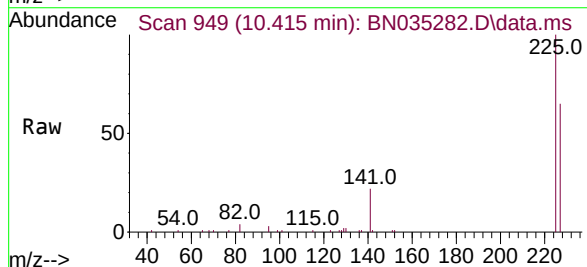
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

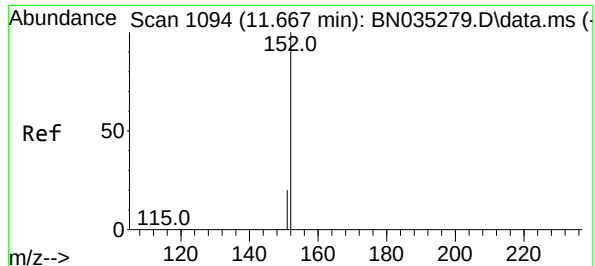
Tgt Ion:128 Resp: 46866
Ion Ratio Lower Upper
128 100
129 10.9 9.6 14.4
127 13.4 11.3 16.9



#10
Hexachlorobutadiene
Concen: 3.452 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:225 Resp: 13571
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.5 51.3 76.9

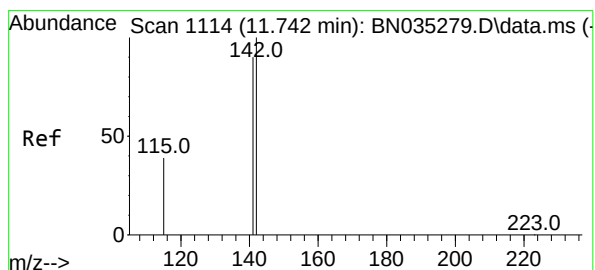
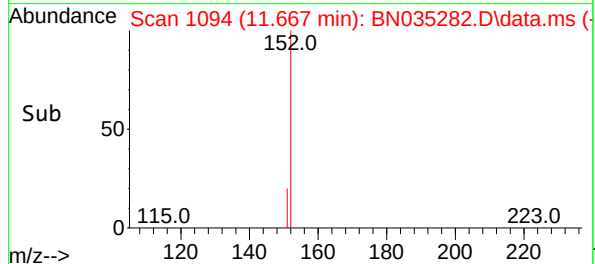
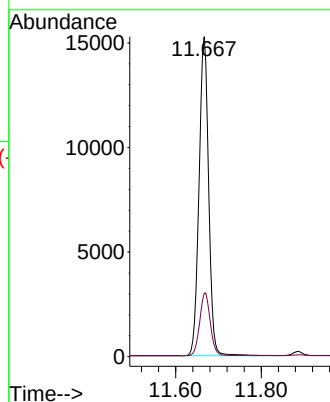
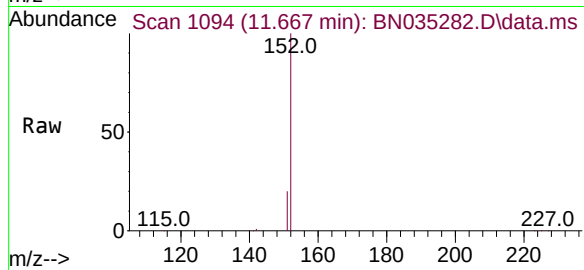




#11
2-Methylnaphthalene-d10
Concen: 2.602 ng
RT: 11.667 min Scan# 1094
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

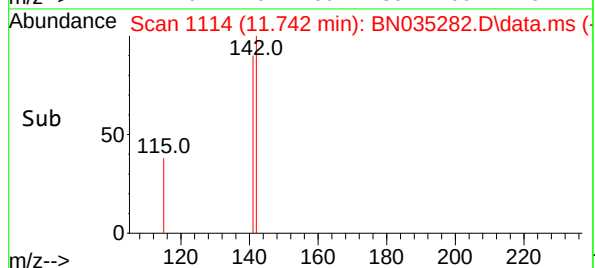
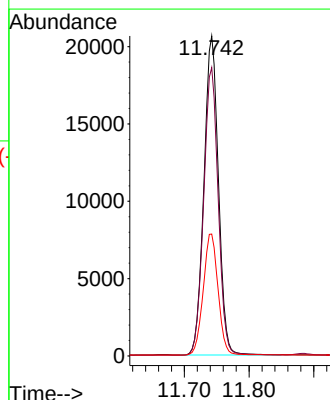
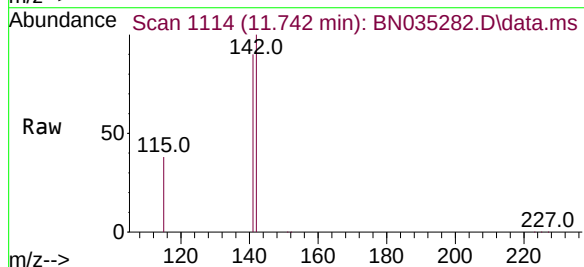
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

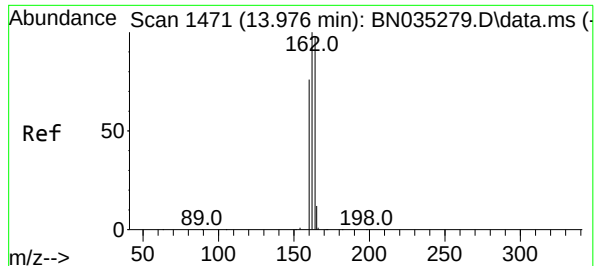
Tgt Ion:152 Resp: 23828
Ion Ratio Lower Upper
152 100
151 21.6 17.2 25.8



#12
2-Methylnaphthalene
Concen: 3.249 ng
RT: 11.742 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:142 Resp: 32151
Ion Ratio Lower Upper
142 100
141 90.1 71.8 107.8
115 38.1 32.6 49.0

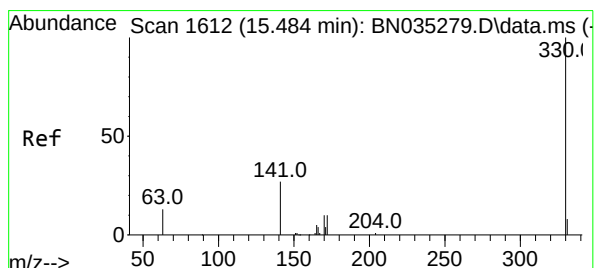
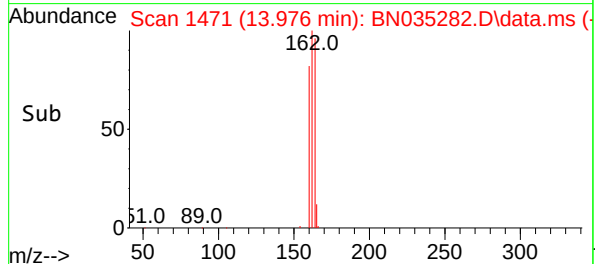
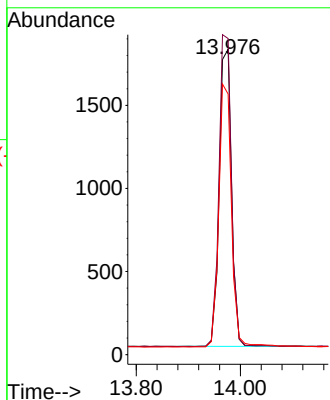
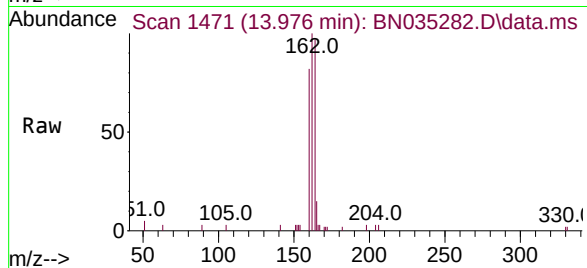




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

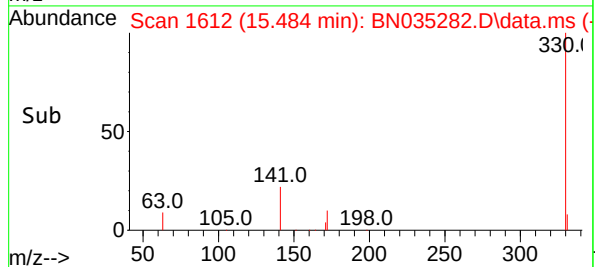
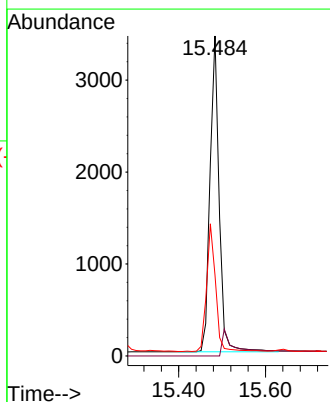
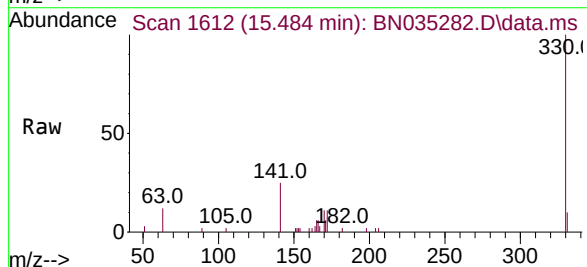
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

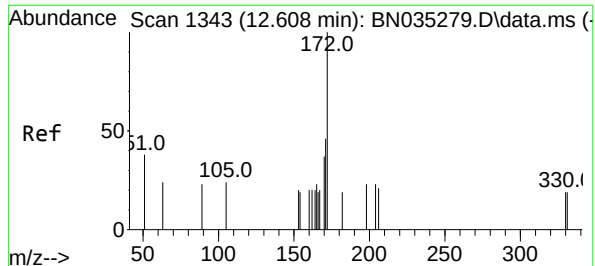
Tgt Ion:164 Resp: 2927
Ion Ratio Lower Upper
164 100
162 103.5 82.0 123.0
160 85.4 63.0 94.4



#14
2,4,6-Tribromophenol
Concen: 2.553 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:330 Resp: 5391
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.7 32.4 48.6

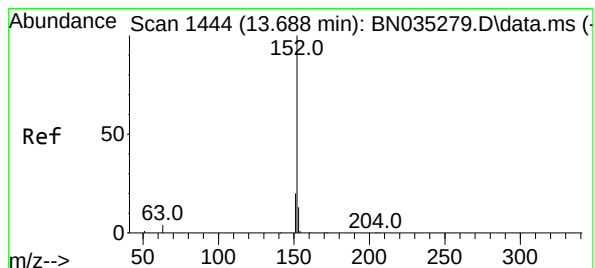
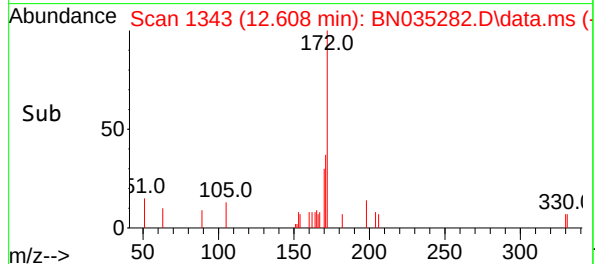
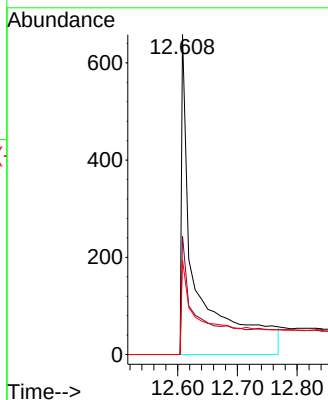
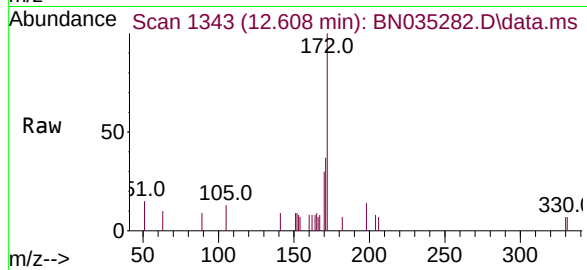




#15
2-Fluorobiphenyl
Concen: 0.096 ng
RT: 12.608 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

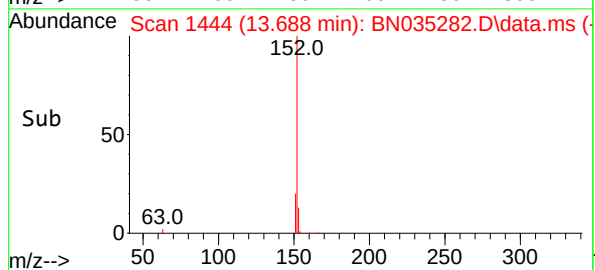
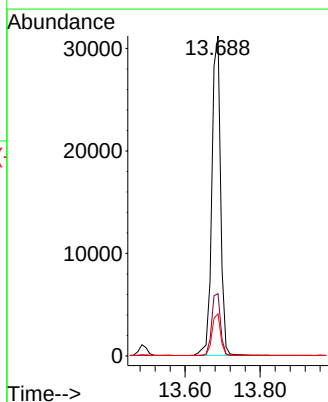
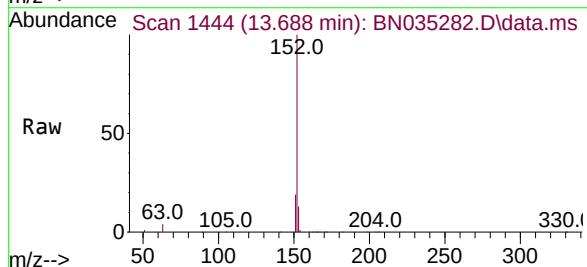
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

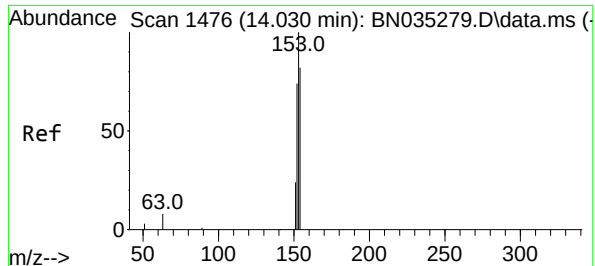
Tgt Ion:172 Resp: 1139
Ion Ratio Lower Upper
172 100
171 37.1 36.6 55.0
170 29.6 29.7 44.5#



#16
Acenaphthylene
Concen: 4.019 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:152 Resp: 50280
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 12.9 10.2 15.4

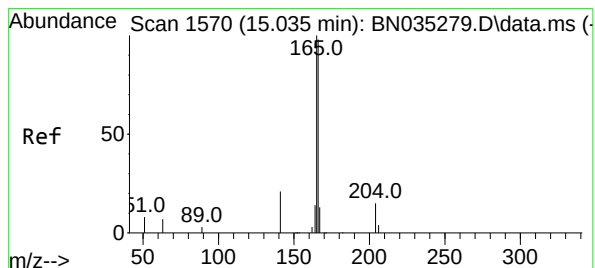
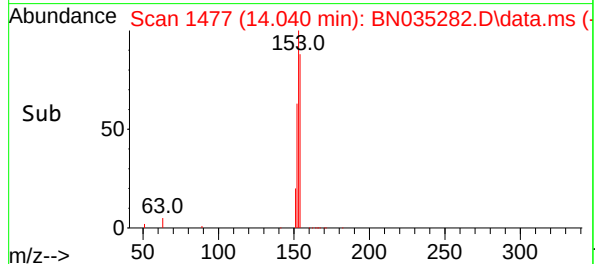
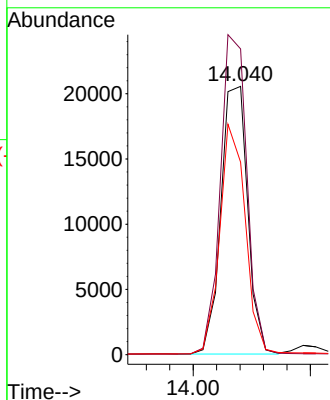
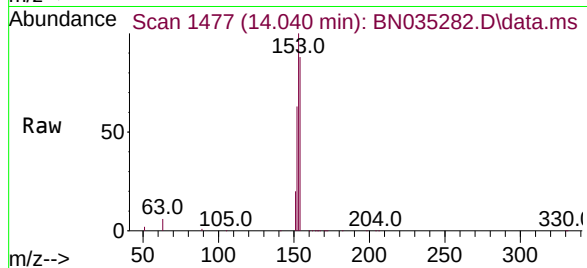




#17
Acenaphthene
Concen: 3.960 ng
RT: 14.040 min Scan# 1476
Delta R.T. 0.011 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

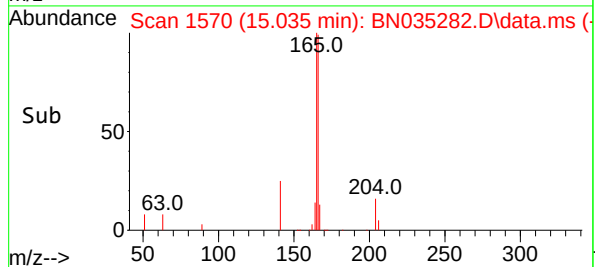
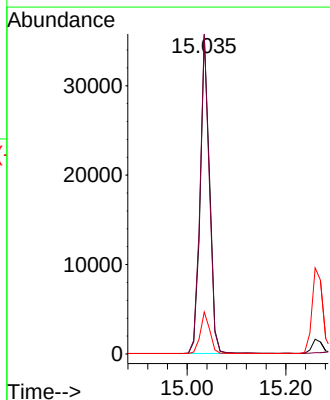
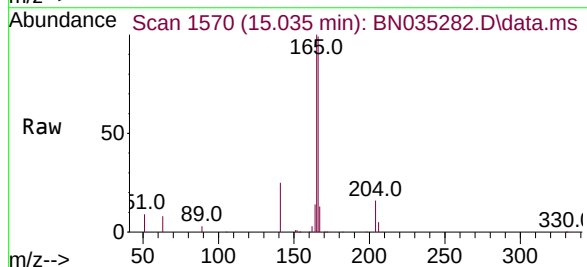
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

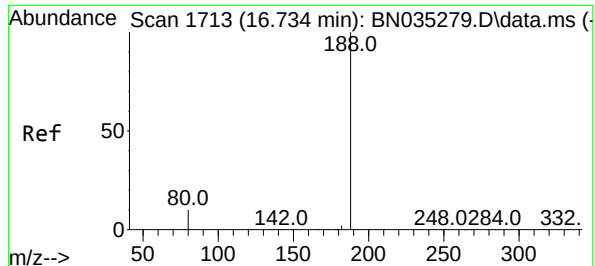
Tgt Ion:154 Resp: 32466
Ion Ratio Lower Upper
154 100
153 118.6 96.1 144.1
152 82.9 72.2 108.2



#18
Fluorene
Concen: 3.855 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:166 Resp: 46490
Ion Ratio Lower Upper
166 100
165 100.0 81.2 121.8
167 13.3 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.734 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BN035282.D

Acq: 25 Nov 2024 13:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

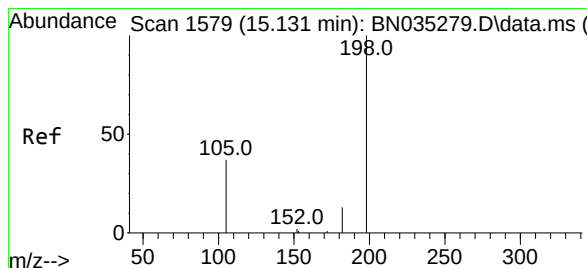
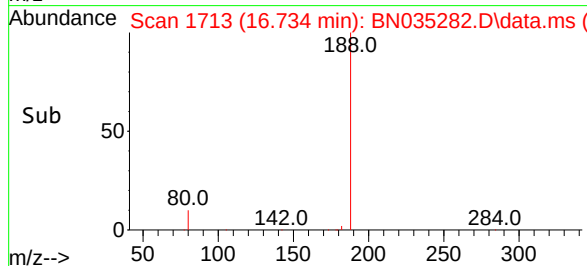
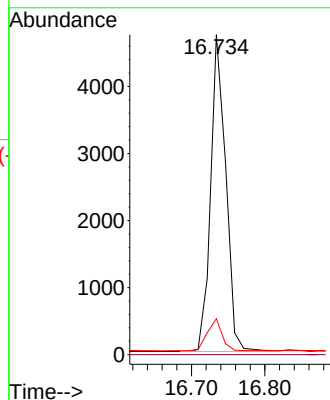
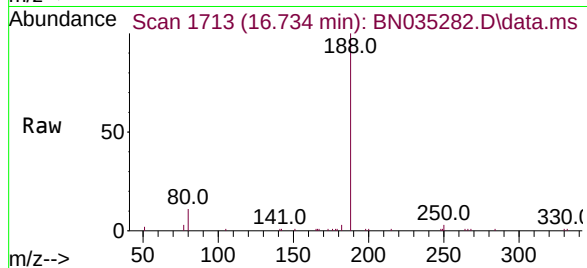
Tgt Ion:188 Resp: 6761

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.3 8.9 13.3



#20

4,6-Dinitro-2-methylphenol

Concen: 2.137 ng

RT: 15.131 min Scan# 1579

Delta R.T. -0.000 min

Lab File: BN035282.D

Acq: 25 Nov 2024 13:16

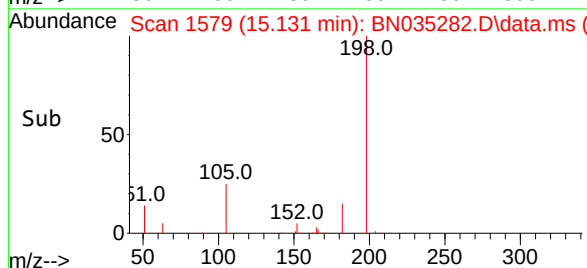
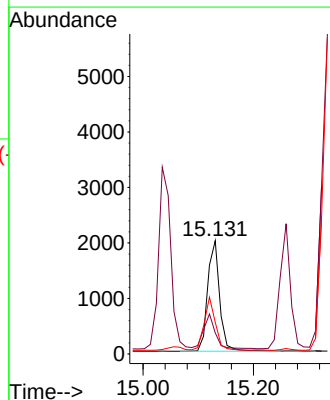
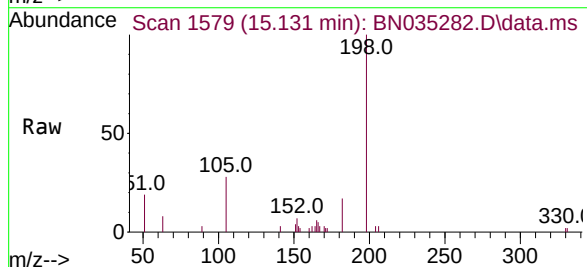
Tgt Ion:198 Resp: 3008

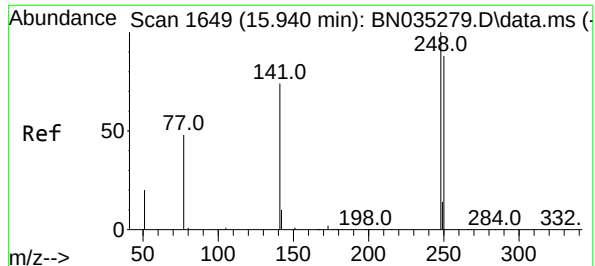
Ion Ratio Lower Upper

198 100

51 18.6 53.6 80.4#

105 28.0 47.4 71.2#





#21

4-Bromophenyl-phenylether

Concen: 3.399 ng

RT: 15.939 min Scan# 1649

Delta R.T. -0.000 min

Lab File: BN035282.D

Acq: 25 Nov 2024 13:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

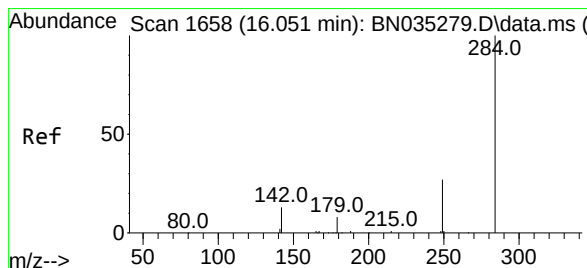
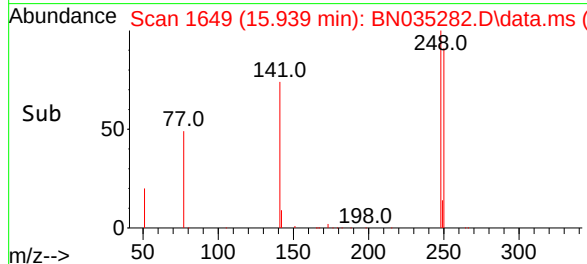
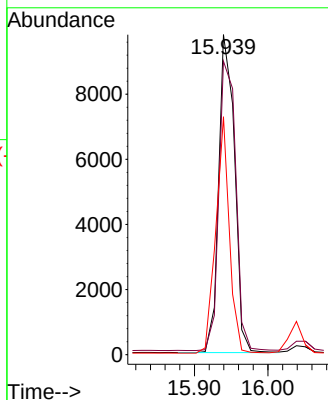
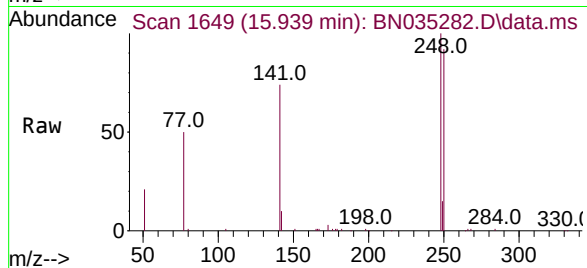
Tgt Ion:248 Resp: 14640

Ion Ratio Lower Upper

248 100

250 91.7 74.8 112.2

141 74.4 59.0 88.4



#22

Hexachlorobenzene

Concen: 4.614 ng

RT: 16.051 min Scan# 1658

Delta R.T. -0.000 min

Lab File: BN035282.D

Acq: 25 Nov 2024 13:16

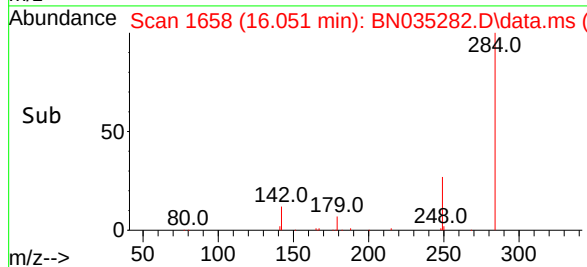
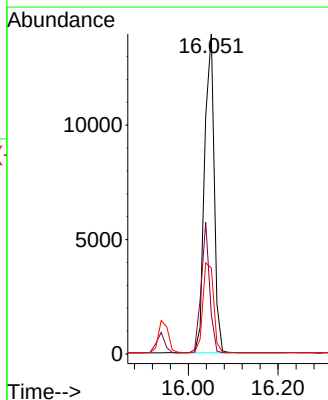
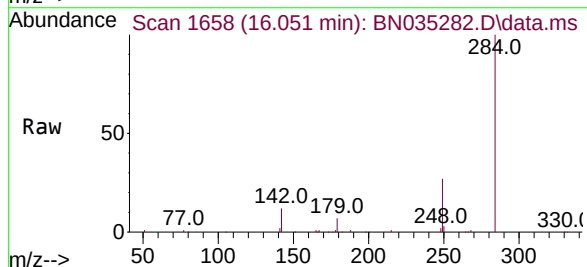
Tgt Ion:284 Resp: 20624

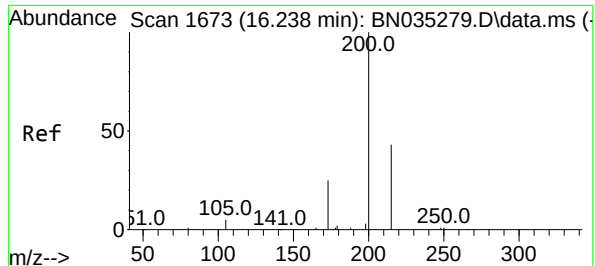
Ion Ratio Lower Upper

284 100

142 36.0 28.7 43.1

249 31.4 25.4 38.0

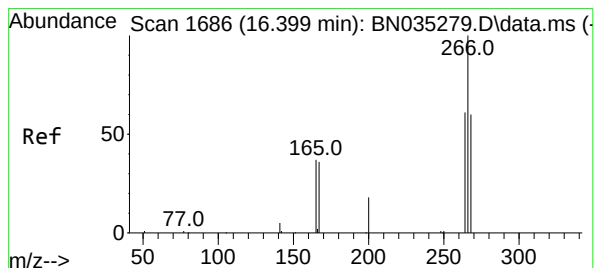
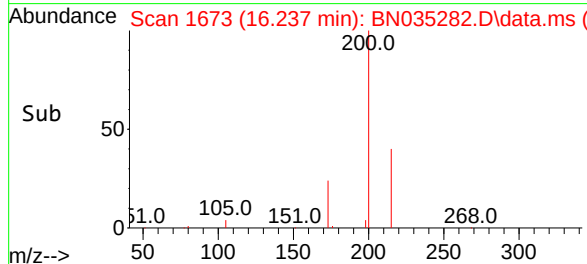
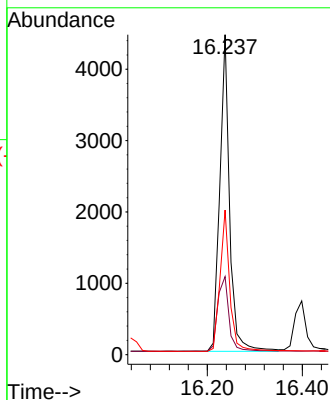
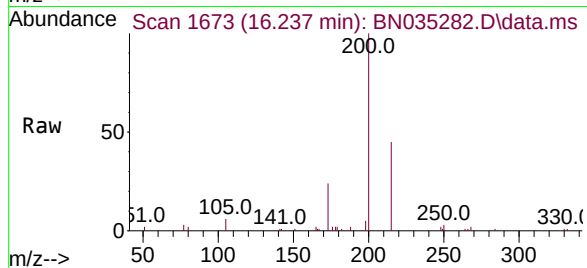




#23
Atrazine
Concen: 1.633 ng
RT: 16.237 min Scan# 1673
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

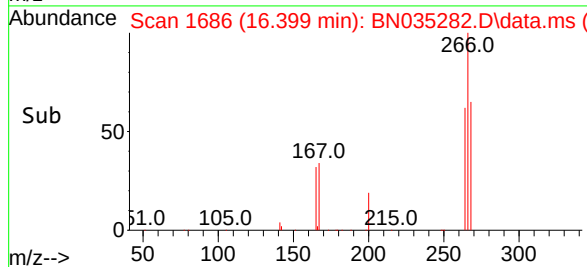
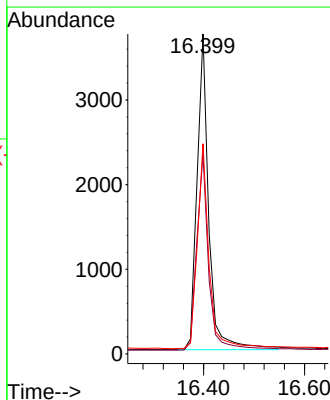
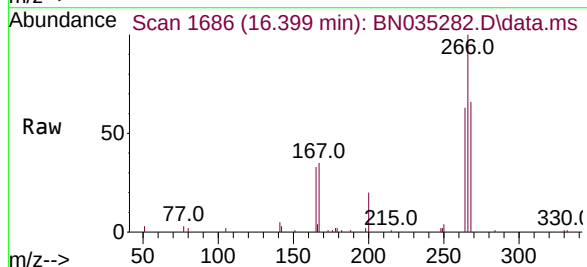
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

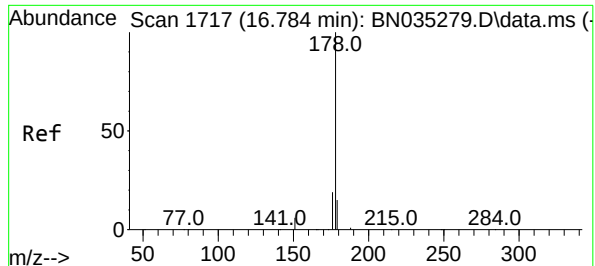
Tgt Ion:200 Resp: 6312
Ion Ratio Lower Upper
200 100
173 24.4 25.8 38.8#
215 45.2 38.6 58.0



#24
Pentachlorophenol
Concen: 2.888 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:266 Resp: 6031
Ion Ratio Lower Upper
266 100
264 62.7 49.3 73.9
268 64.9 48.6 73.0

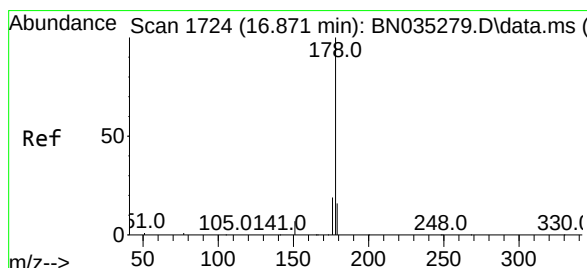
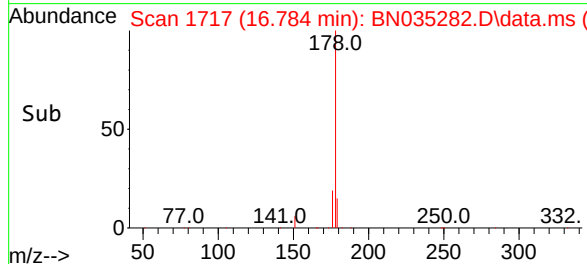
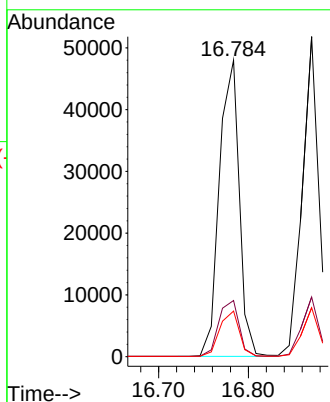
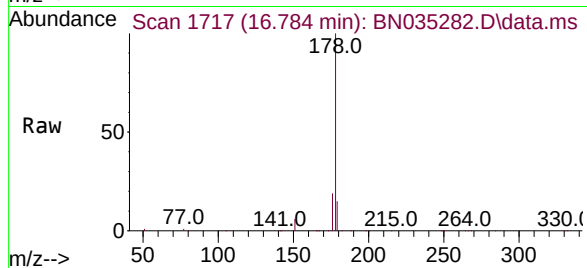




#25
Phenanthrene
Concen: 4.148 ng
RT: 16.784 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

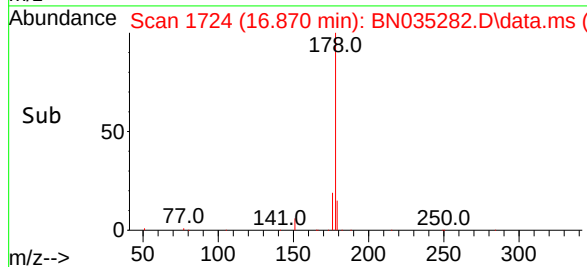
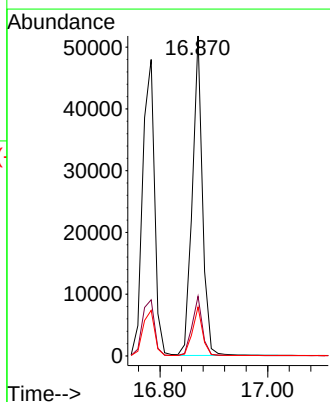
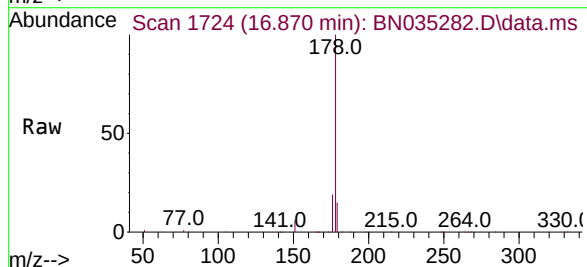
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

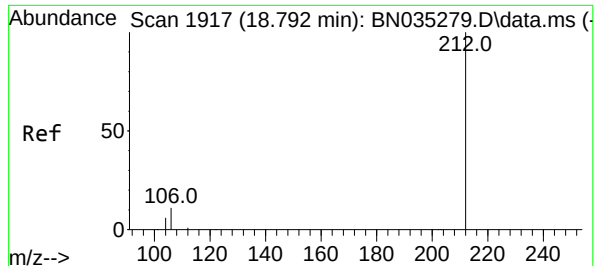
Tgt Ion:178 Resp: 73801
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.1 12.6 18.8



#26
Anthracene
Concen: 4.143 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:178 Resp: 67705
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.2 12.4 18.6





#27

Fluoranthene-d10

Concen: 3.195 ng

RT: 18.792 min Scan# 1917

Delta R.T. -0.000 min

Lab File: BN035282.D

Acq: 25 Nov 2024 13:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

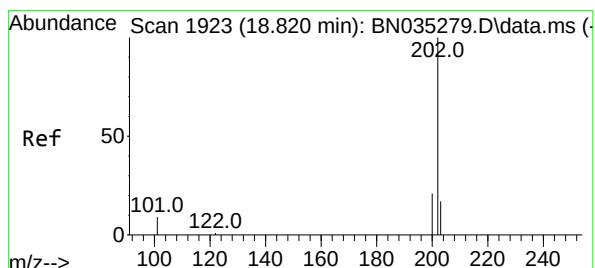
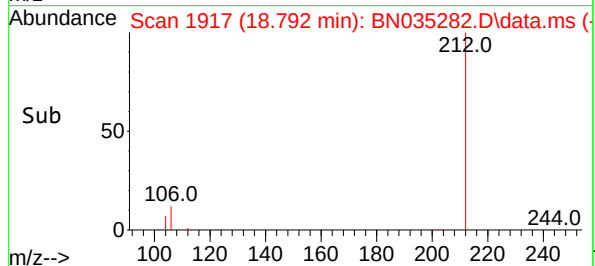
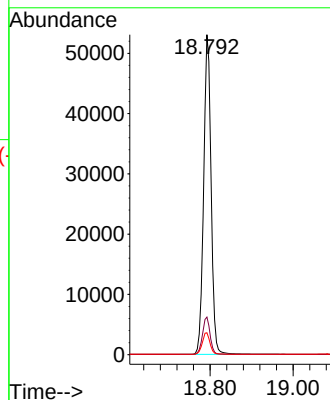
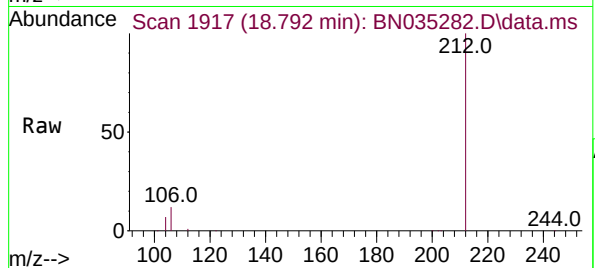
Tgt Ion:212 Resp: 66182

Ion Ratio Lower Upper

212 100

106 11.9 9.8 14.8

104 7.0 5.6 8.4



#28

Fluoranthene

Concen: 4.178 ng

RT: 18.825 min Scan# 1924

Delta R.T. 0.005 min

Lab File: BN035282.D

Acq: 25 Nov 2024 13:16

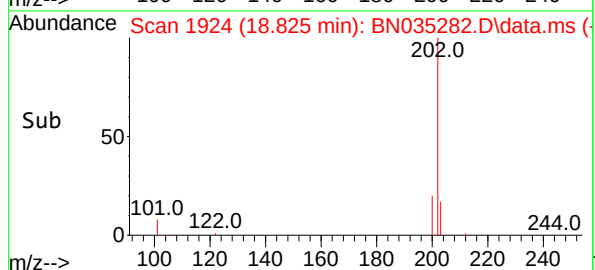
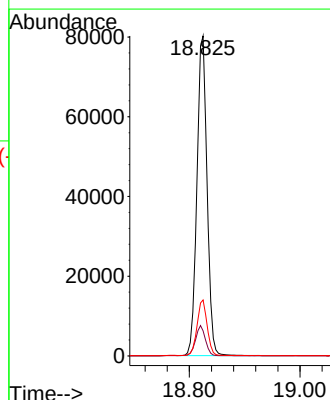
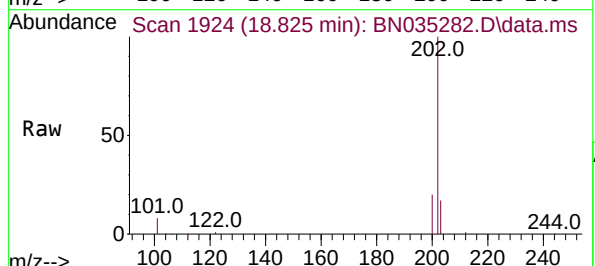
Tgt Ion:202 Resp: 102229

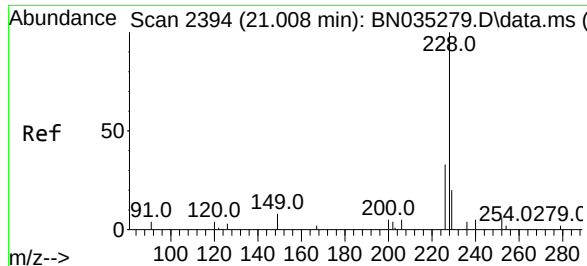
Ion Ratio Lower Upper

202 100

101 9.3 7.6 11.4

203 17.3 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035282.D

Acq: 25 Nov 2024 13:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

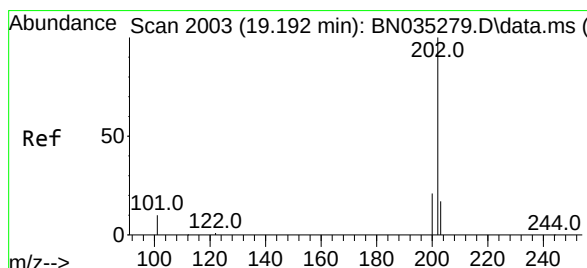
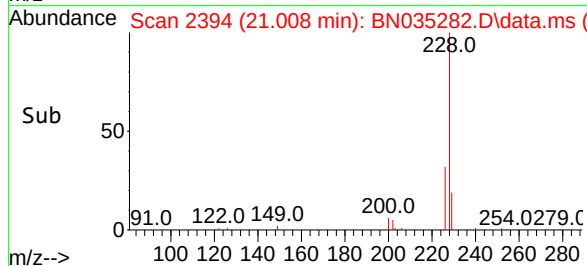
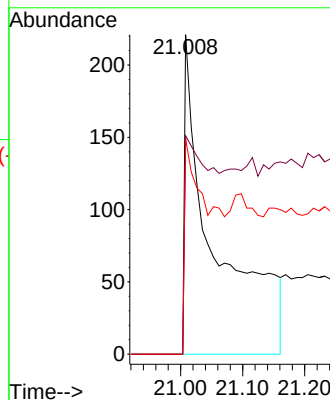
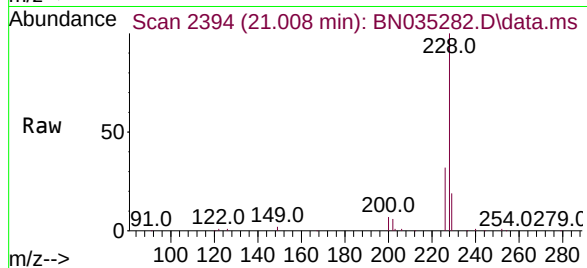
Tgt Ion:240 Resp: 721

Ion Ratio Lower Upper

240 100

120 68.3 54.9 82.3

236 67.4 54.0 81.0



#30

Pyrene

Concen: 38.808 ng

RT: 19.192 min Scan# 2003

Delta R.T. -0.000 min

Lab File: BN035282.D

Acq: 25 Nov 2024 13:16

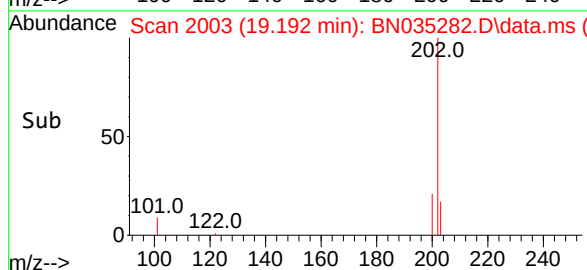
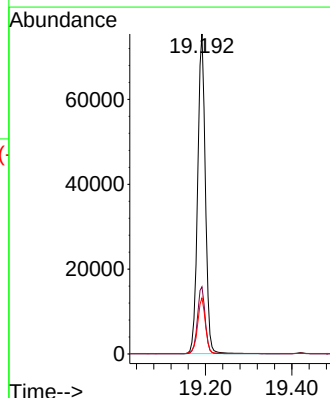
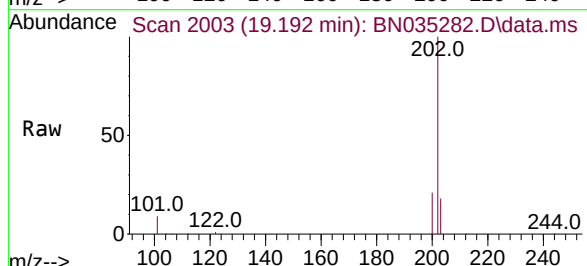
Tgt Ion:202 Resp: 93180

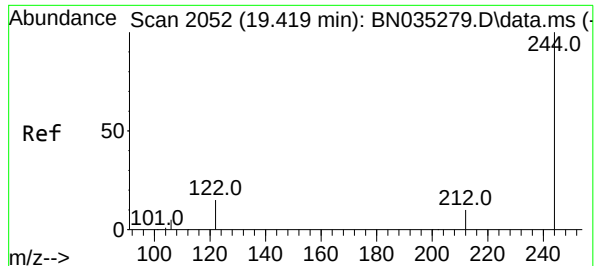
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 17.7 14.4 21.6

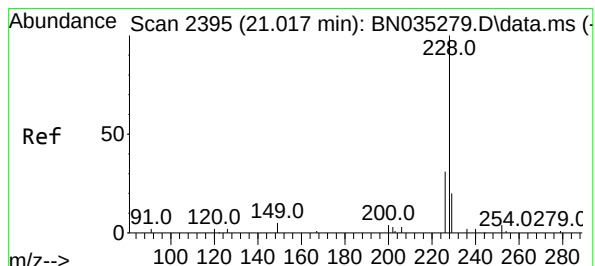
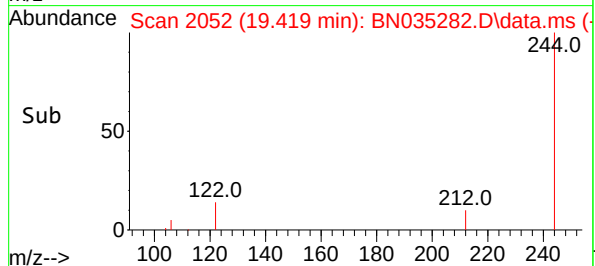
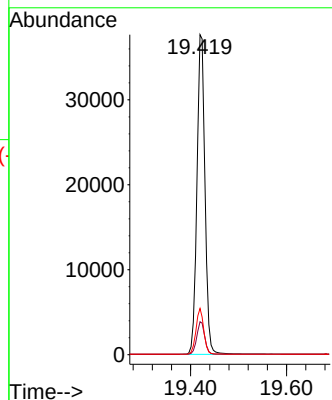
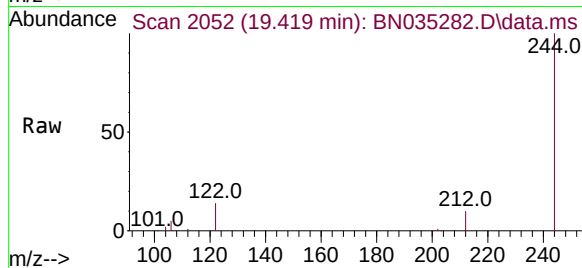




#31
Terphenyl-d14
Concen: 29.144 ng
RT: 19.419 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

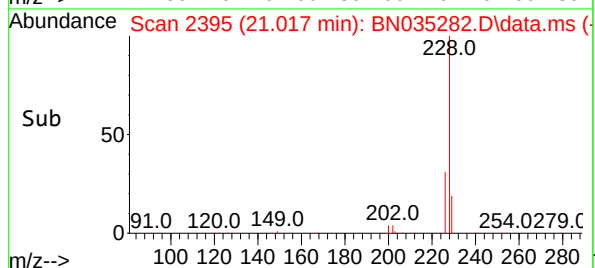
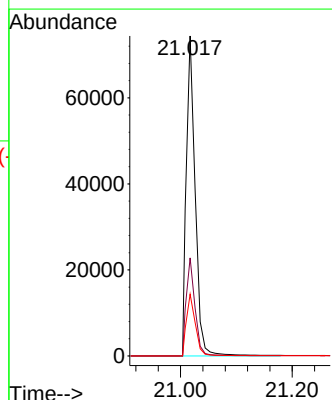
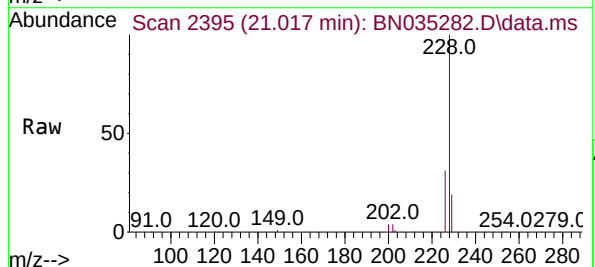
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

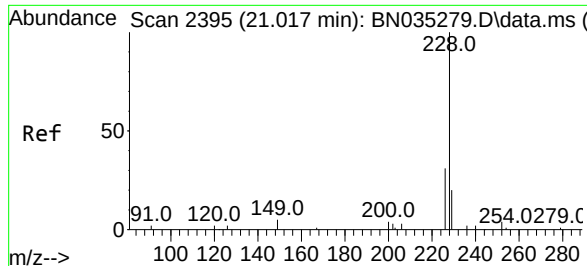
Tgt Ion:244 Resp: 44092
Ion Ratio Lower Upper
244 100
212 10.3 9.4 14.0
122 14.5 13.0 19.4



#32
Benzo(a)anthracene
Concen: 33.051 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:228 Resp: 82975
Ion Ratio Lower Upper
228 100
226 30.7 24.7 37.1
229 19.3 16.2 24.2





#33

Chrysene

Concen: 33.364 ng

RT: 21.017 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035282.D

Acq: 25 Nov 2024 13:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

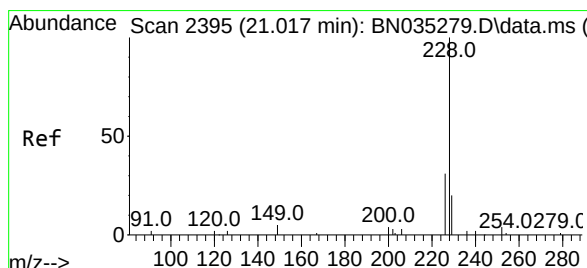
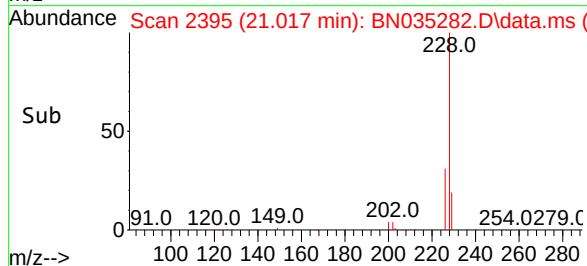
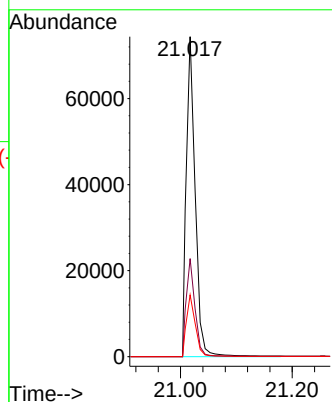
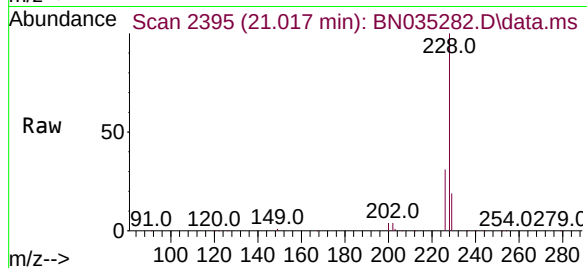
Tgt Ion:228 Resp: 82975

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

229 19.3 16.2 24.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.002 ng

RT: 21.017 min Scan# 2395

Delta R.T. -0.000 min

Lab File: BN035282.D

Acq: 25 Nov 2024 13:16

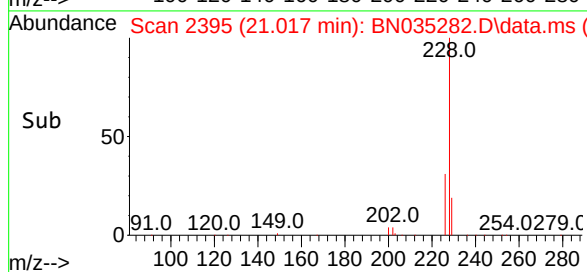
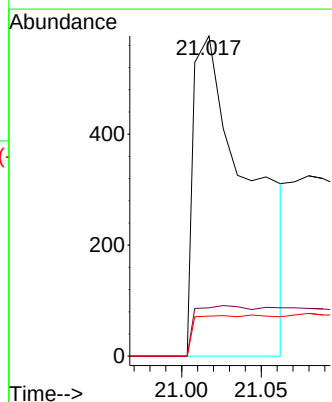
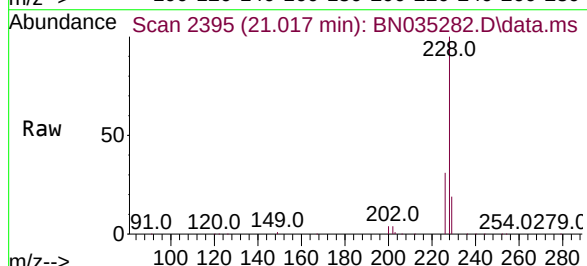
Tgt Ion:149 Resp: 1320

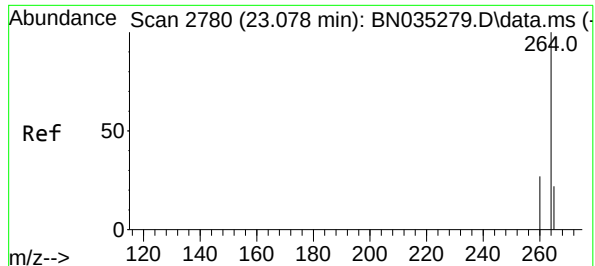
Ion Ratio Lower Upper

149 100

167 14.9 0.0 0.0#

279 9.5 13.0 19.6#

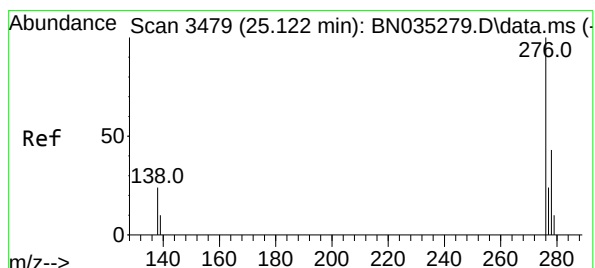
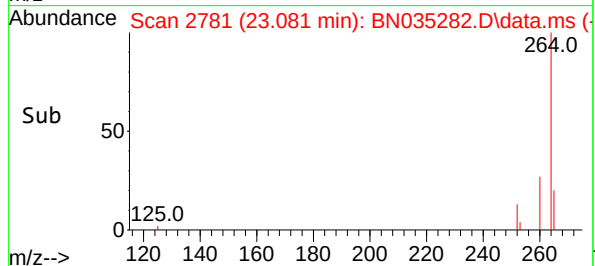
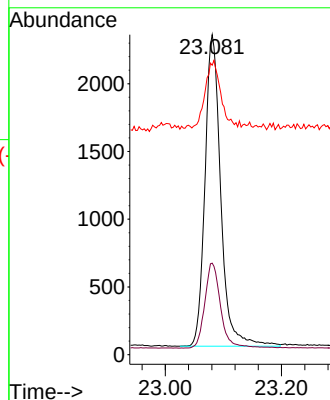
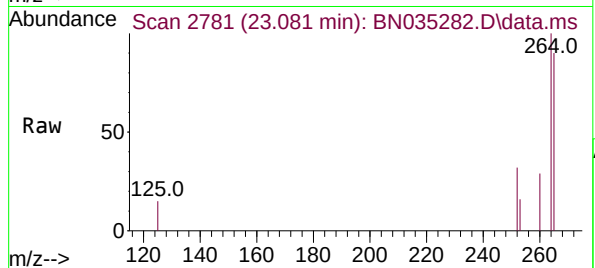




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

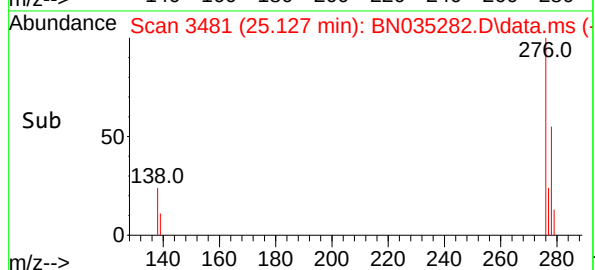
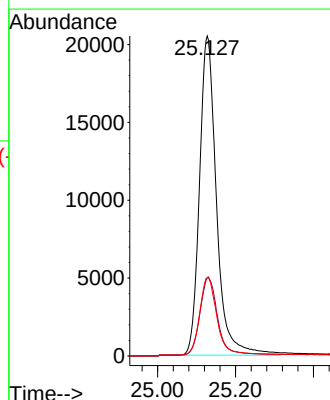
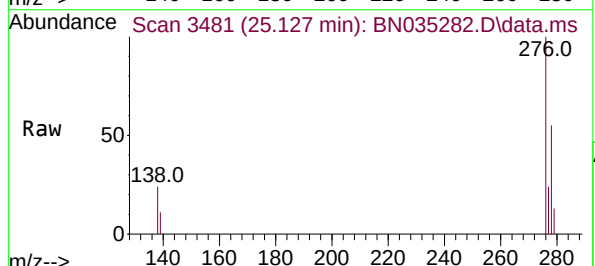
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

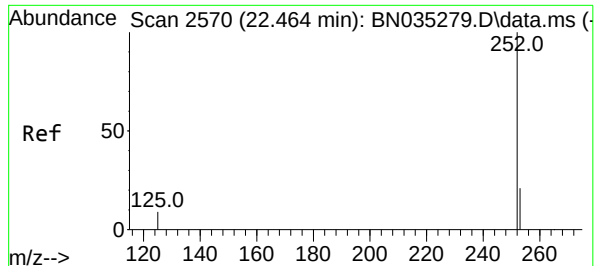
Tgt Ion:264 Resp: 4343
Ion Ratio Lower Upper
264 100
260 28.6 22.3 33.5
265 90.4 68.6 103.0



#36
Indeno(1,2,3-cd)pyrene
Concen: 3.583 ng
RT: 25.127 min Scan# 3481
Delta R.T. 0.006 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:276 Resp: 62075
Ion Ratio Lower Upper
276 100
138 24.8 18.8 28.2
277 24.5 18.2 27.4





#37

Benzo(b)fluoranthene

Concen: 4.767 ng

RT: 22.467 min Scan# 2570

Delta R.T. 0.003 min

Lab File: BN035282.D

Acq: 25 Nov 2024 13:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

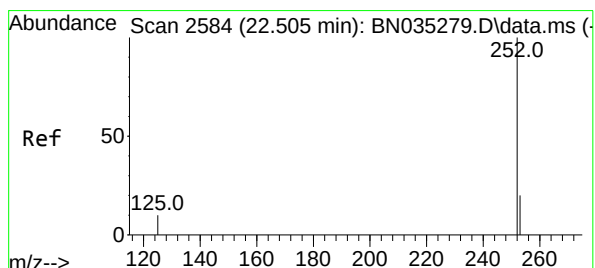
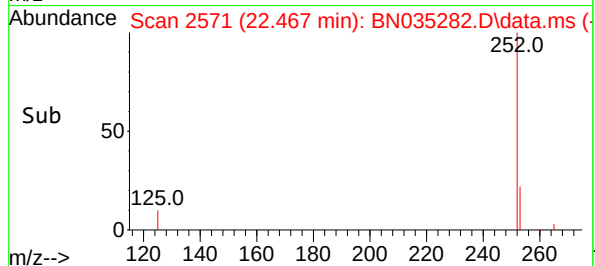
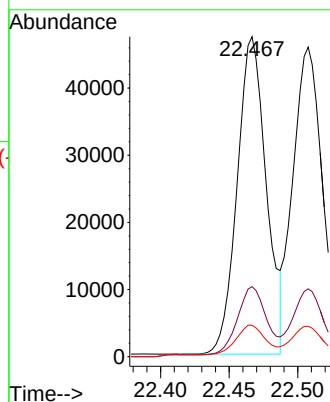
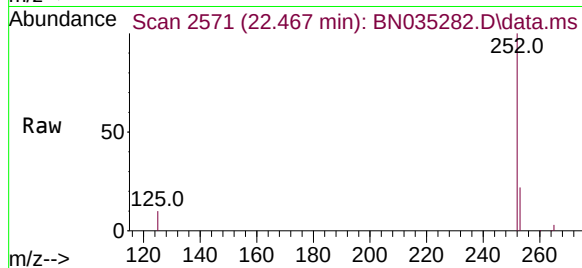
Tgt Ion:252 Resp: 69657

Ion Ratio Lower Upper

252 100

253 21.9 20.2 30.2

125 9.8 12.0 18.0#



#38

Benzo(k)fluoranthene

Concen: 4.941 ng

RT: 22.508 min Scan# 2585

Delta R.T. 0.003 min

Lab File: BN035282.D

Acq: 25 Nov 2024 13:16

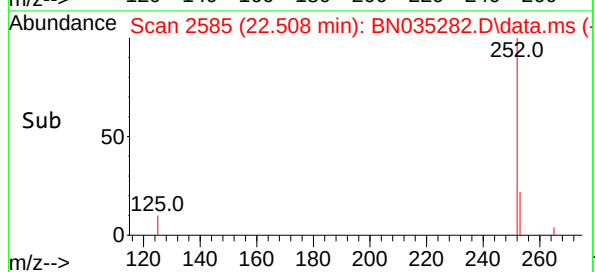
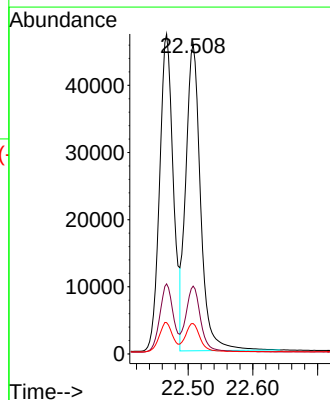
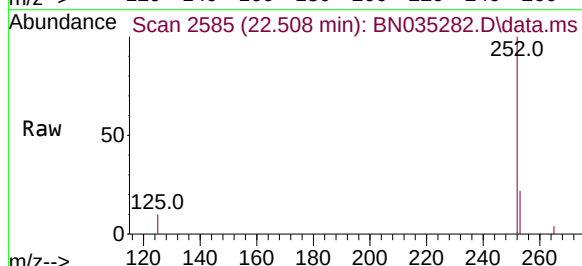
Tgt Ion:252 Resp: 72243

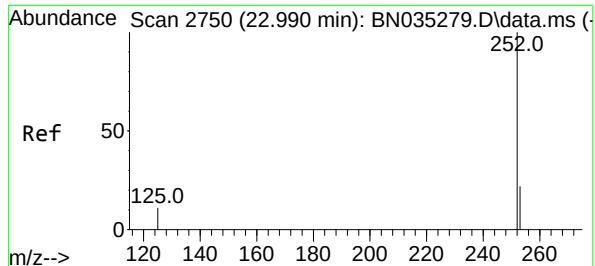
Ion Ratio Lower Upper

252 100

253 21.9 20.1 30.1

125 9.8 12.7 19.1#





#39

Benzo(a)pyrene

Concen: 3.987 ng

RT: 22.990 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035282.D

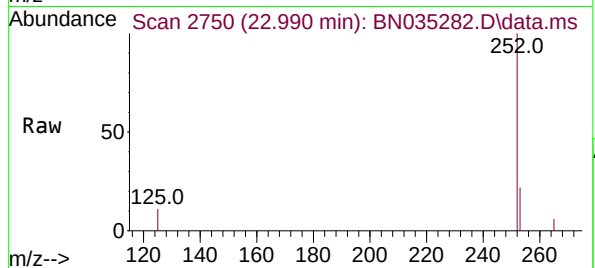
Acq: 25 Nov 2024 13:16

Instrument :

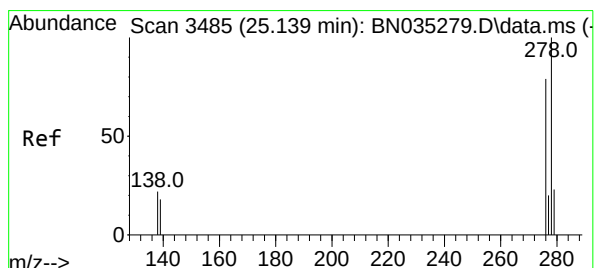
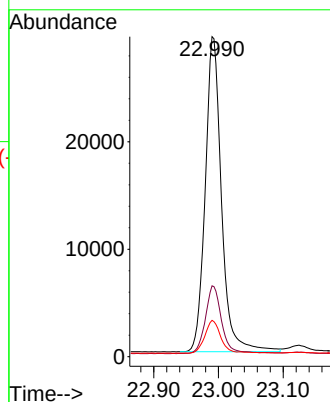
BNA_N

ClientSampleId :

SSTDICC3.2



Tgt Ion:	252	Resp:	51266
Ion Ratio	Lower	Upper	
252	100		
253	22.1	22.3	33.5#
125	11.3	15.3	22.9#



#40

Dibenzo(a,h)anthracene

Concen: 3.547 ng

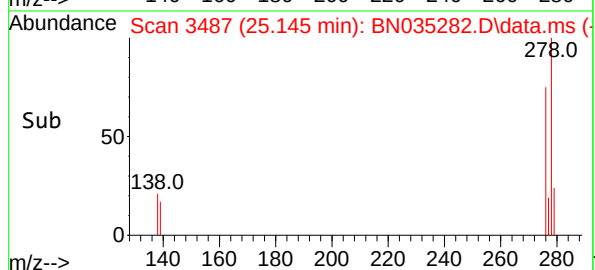
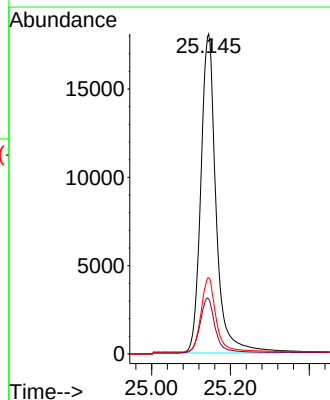
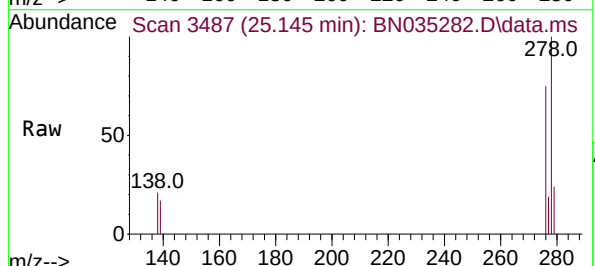
RT: 25.145 min Scan# 3487

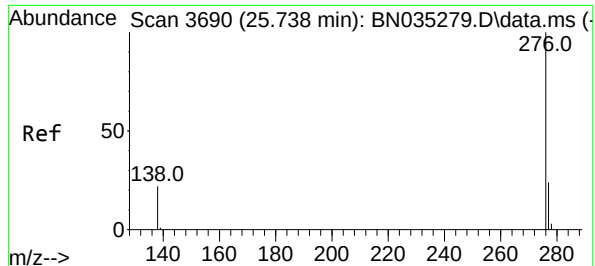
Delta R.T. 0.006 min

Lab File: BN035282.D

Acq: 25 Nov 2024 13:16

Tgt Ion:	278	Resp:	48696
Ion Ratio	Lower	Upper	
278	100		
139	17.2	17.0	25.6
279	23.8	23.0	34.4





#41

Benzo(g,h,i)perylene

Concen: 3.610 ng

RT: 25.744 min Scan# 30

Delta R.T. 0.006 min

Lab File: BN035282.D

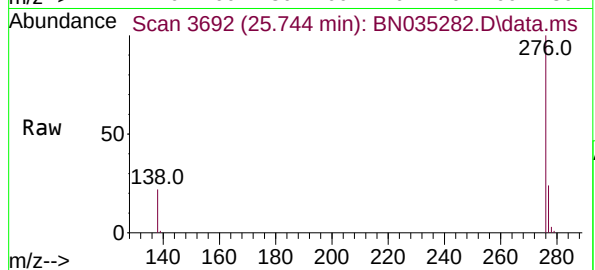
Acq: 25 Nov 2024 13:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



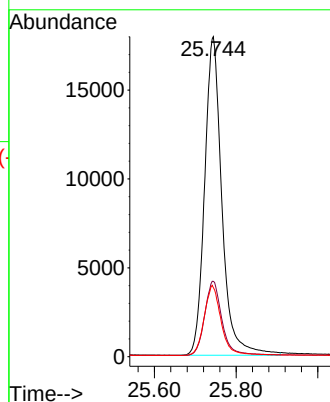
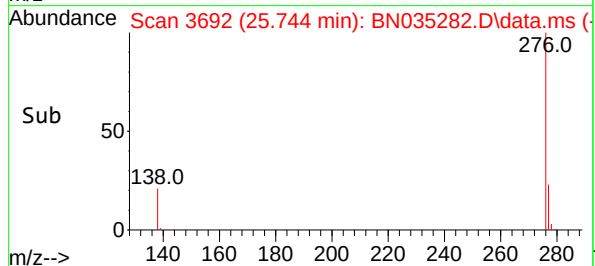
Tgt Ion:276 Resp: 52706

Ion Ratio Lower Upper

276 100

277 23.6 21.1 31.7

138 21.6 19.8 29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035283.D
 Acq On : 25 Nov 2024 13:52
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Quant Time: Nov 25 14:21:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 25 14:16:35 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

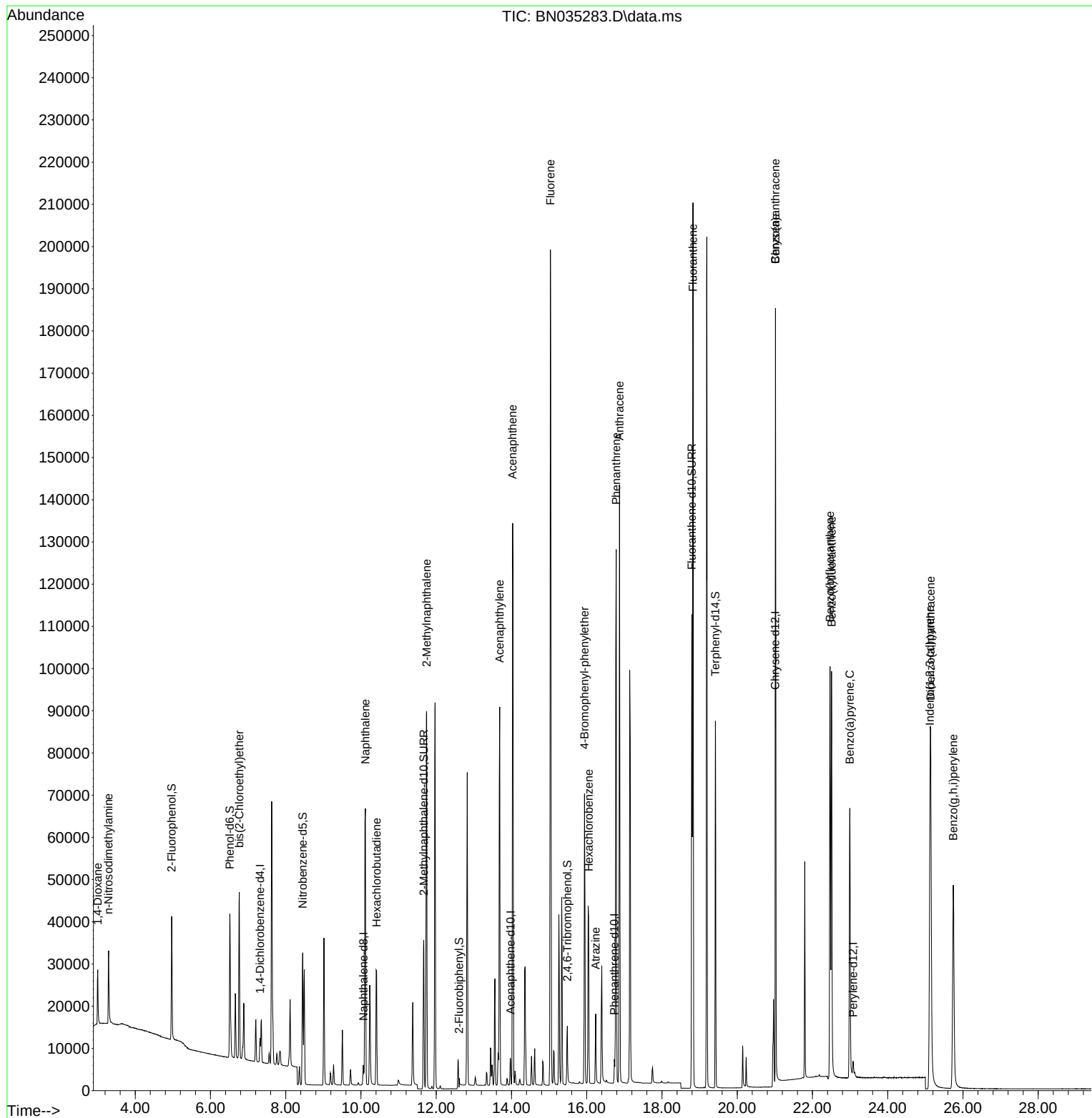
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	2617	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	5861	0.400	ng	0.00
13) Acenaphthene-d10	13.976	164	3371	0.400	ng	0.00
19) Phenanthrene-d10	16.734	188	7456	0.400	ng	0.00
29) Chrysene-d12	21.008	240	600	0.400	ng	0.00
35) Perylene-d12	23.081	264	4243	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	23473	3.533	ng	0.00
5) Phenol-d6	6.513	99	31227	3.749	ng	0.00
8) Nitrobenzene-d5	8.450	82	25967	5.090	ng	0.00
11) 2-Methylnaphthalene-d10	11.667	152	45135	4.321	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	11465	4.715	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1400	0.102	ng	0.00
27) Fluoranthene-d10	18.792	212	118272	5.178	ng	0.00
31) Terphenyl-d14	19.419	244	77655	61.679	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	8723	3.670	ng	# 76
3) n-Nitrosodimethylamine	3.285	42	10016	4.521	ng	# 85
6) bis(2-Chloroethyl)ether	6.766	93	28430	4.547	ng	100
9) Naphthalene	10.116	128	86023	5.622	ng	98
10) Hexachlorobutadiene	10.415	225	23614	5.265	ng	# 100
12) 2-Methylnaphthalene	11.742	142	60715	5.378	ng	98
16) Acenaphthylene	13.688	152	96646	6.708	ng	100
17) Acenaphthene	14.030	154	62066	6.574	ng	92
18) Fluorene	15.035	166	87161	6.276	ng	99
21) 4-Bromophenyl-phenylether	15.939	248	27951	5.884	ng	91
22) Hexachlorobenzene	16.051	284	36728	7.450	ng	99
23) Atrazine	16.237	200	12358	2.900	ng	# 92
25) Phenanthrene	16.784	178	134973	6.879	ng	99
26) Anthracene	16.870	178	127410	7.069	ng	100
28) Fluoranthene	18.825	202	177741	6.587	ng	100
32) Benzo(a)anthracene	21.017	228	128544	61.527	ng	99
33) Chrysene	21.017	228	128544	62.111	ng	99
36) Indeno(1,2,3-cd)pyrene	25.124	276	108670	6.420	ng	96
37) Benzo(b)fluoranthene	22.467	252	109463	7.668	ng	# 91
38) Benzo(k)fluoranthene	22.508	252	114816	8.038	ng	# 90
39) Benzo(a)pyrene	22.993	252	84108	6.696	ng	# 86
40) Dibenzo(a,h)anthracene	25.142	278	85497	6.375	ng	91
41) Benzo(g,h,i)perylene	25.741	276	92138	6.459	ng	95

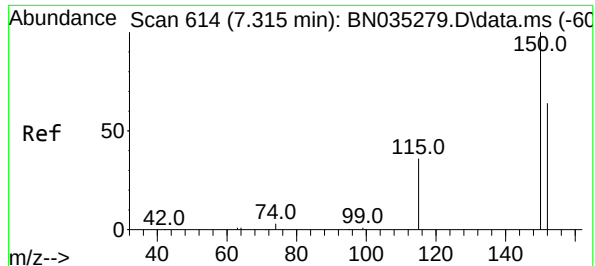
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN035283.D
Acq On : 25 Nov 2024 13:52
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

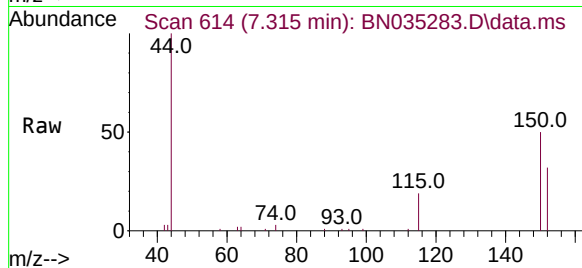
Quant Time: Nov 25 14:21:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration



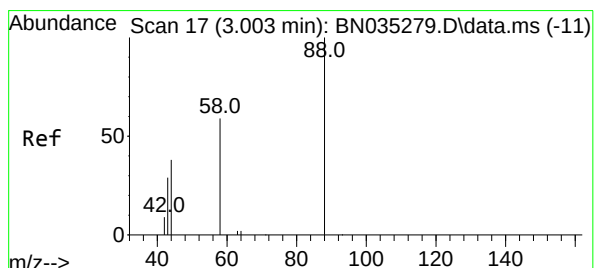
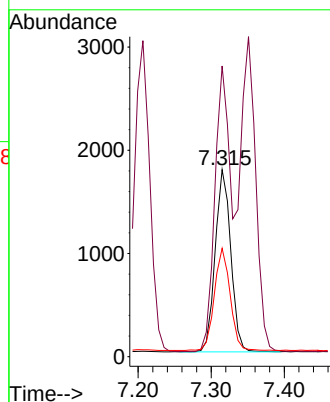
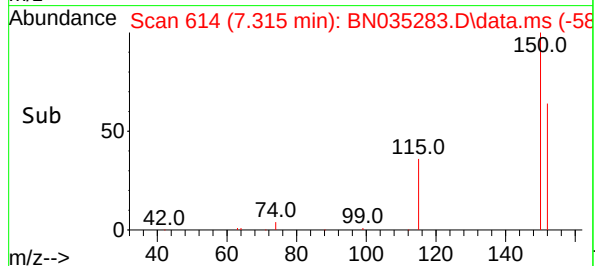


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

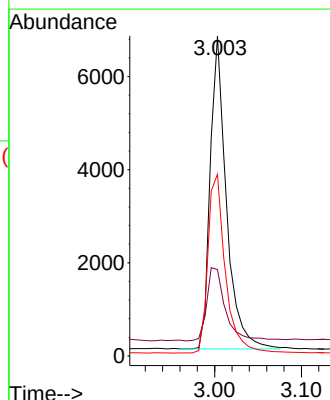
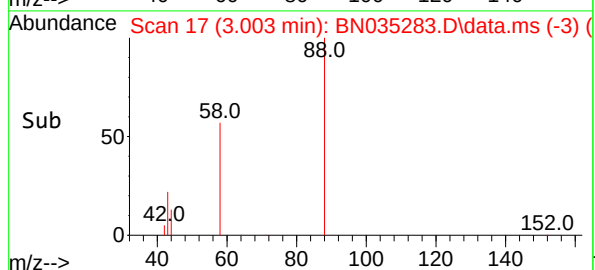
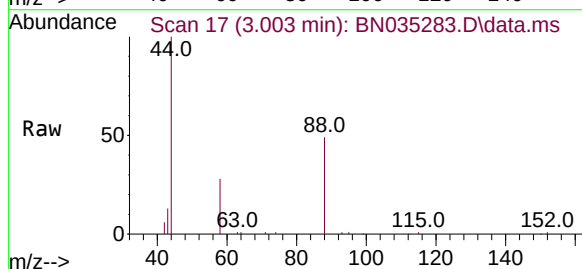


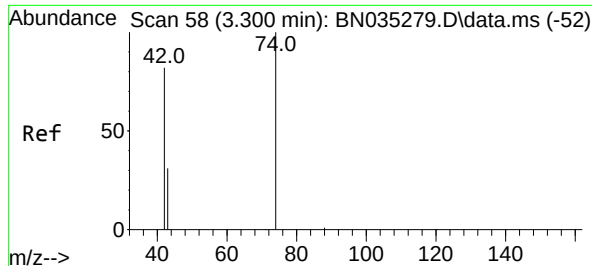
Tgt Ion:152 Resp: 2617
Ion Ratio Lower Upper
152 100
150 155.4 124.5 186.7
115 57.9 47.8 71.8



#2
1,4-Dioxane
Concen: 3.670 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion: 88 Resp: 8723
Ion Ratio Lower Upper
88 100
43 27.1 48.1 72.1#
58 61.7 46.9 70.3

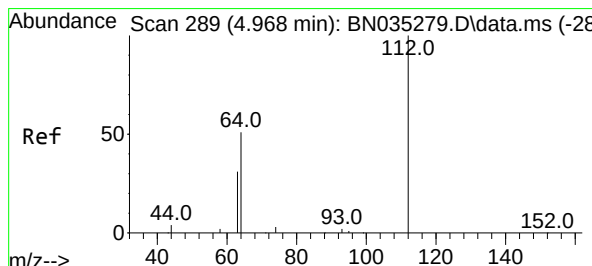
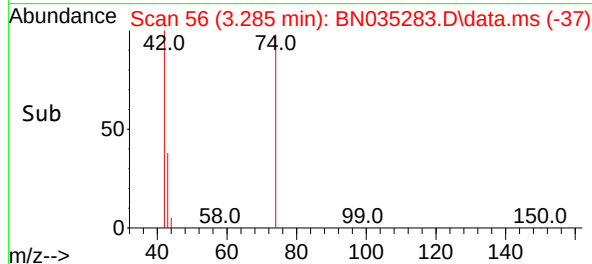
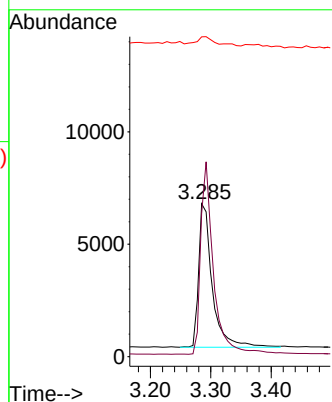
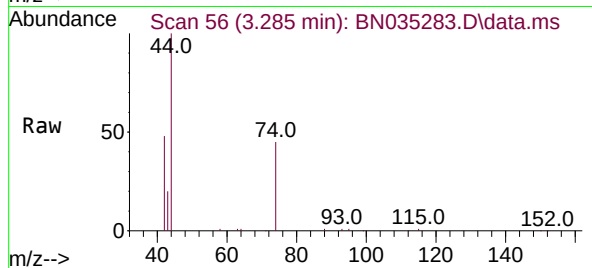




#3
n-Nitrosodimethylamine
Concen: 4.521 ng
RT: 3.285 min Scan# 50
Delta R.T. -0.015 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

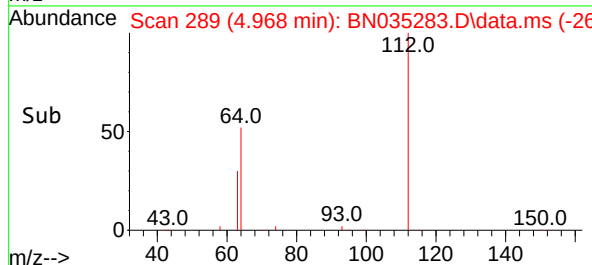
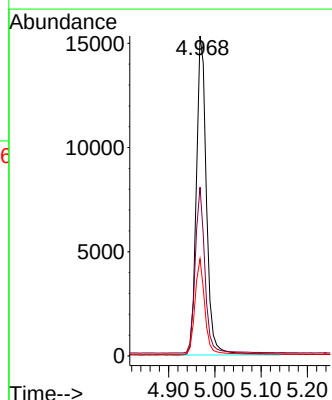
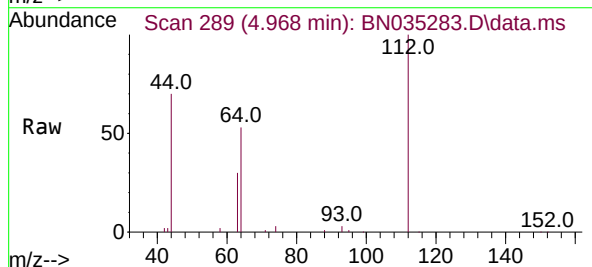
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

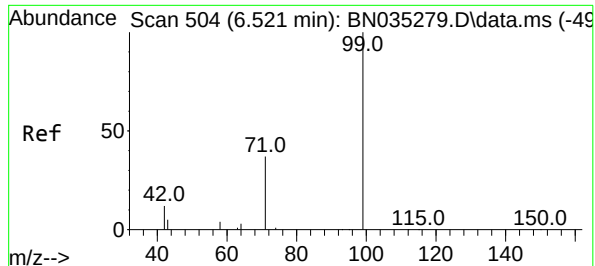
Tgt Ion: 42 Resp: 10016
Ion Ratio Lower Upper
42 100
74 126.0 102.7 154.1
44 8.4 34.1 51.1#



#4
2-Fluorophenol
Concen: 3.533 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion: 112 Resp: 23473
Ion Ratio Lower Upper
112 100
64 50.0 40.4 60.6
63 29.1 23.8 35.8

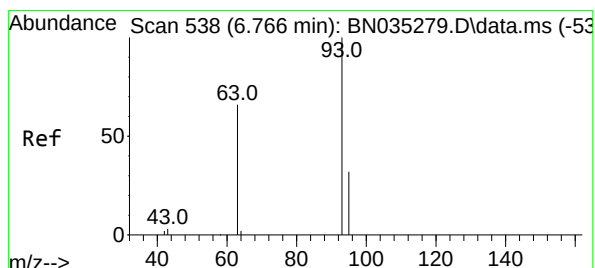
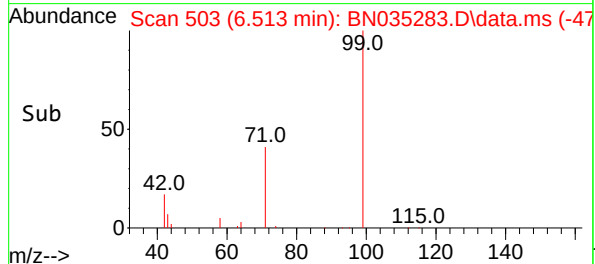
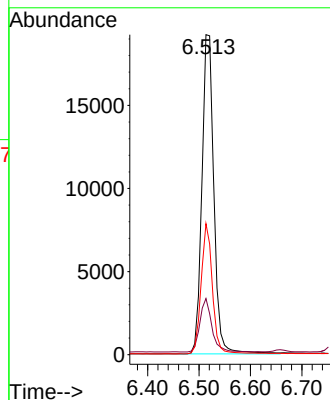
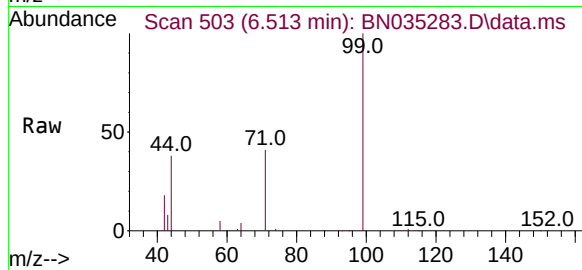




#5
Phenol-d6
Concen: 3.749 ng
RT: 6.513 min Scan# 50
Delta R.T. -0.007 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

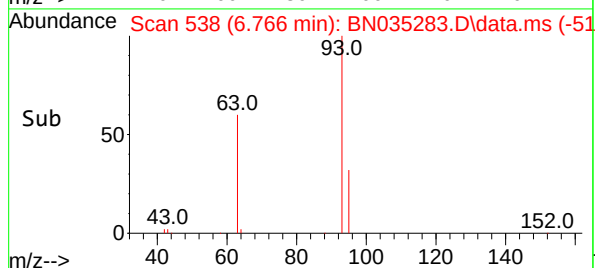
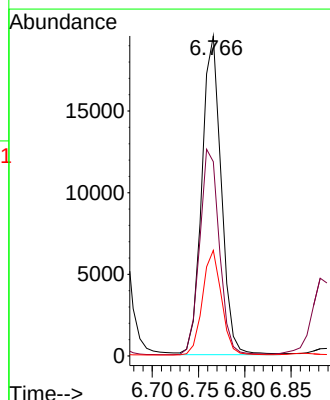
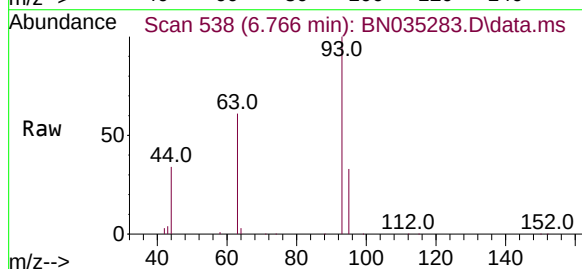
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

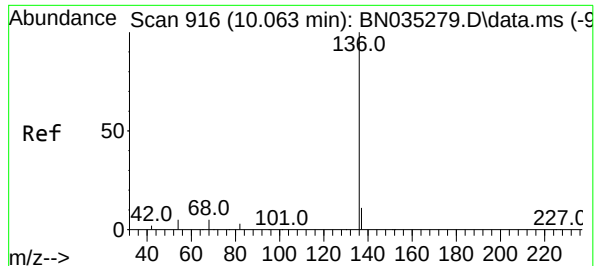
Tgt Ion: 99 Resp: 31227
Ion Ratio Lower Upper
99 100
42 16.8 12.8 19.2
71 38.6 31.4 47.2



#6
bis(2-Chloroethyl)ether
Concen: 4.547 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion: 93 Resp: 28430
Ion Ratio Lower Upper
93 100
63 65.4 52.3 78.5
95 32.2 25.5 38.3

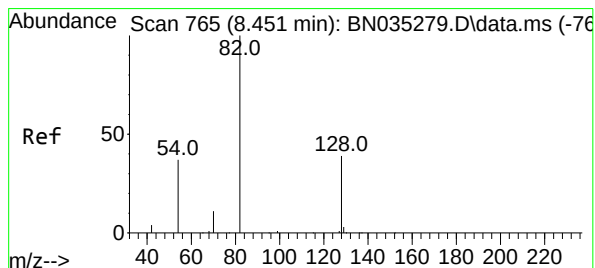
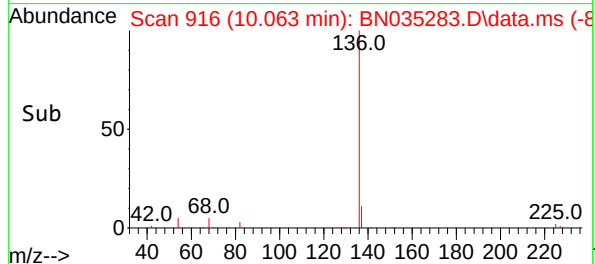
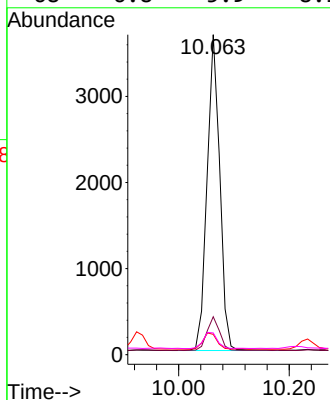
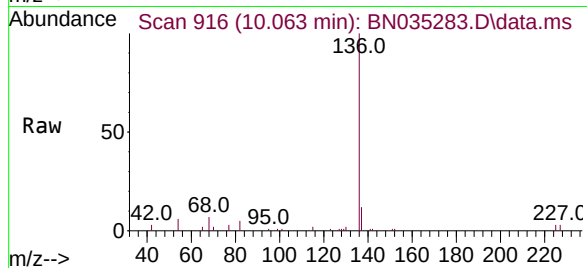




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

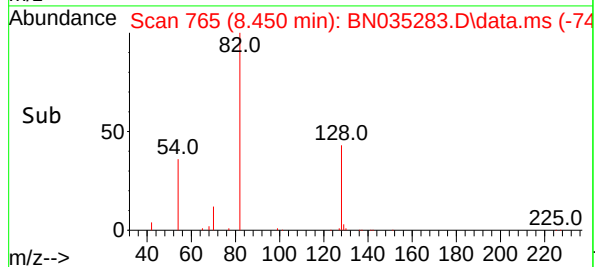
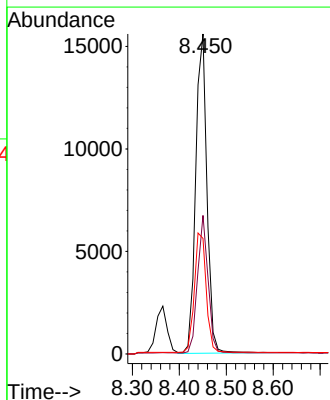
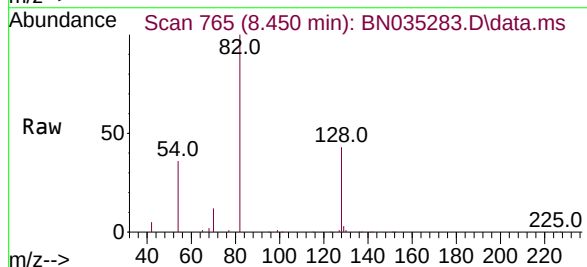
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

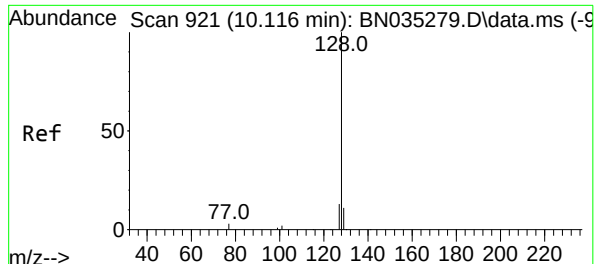
Tgt Ion:	136	Resp:	5861
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.7	14.5
54	6.3	5.3	7.9
68	6.8	5.9	8.9



#8
Nitrobenzene-d5
Concen: 5.090 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:	82	Resp:	25967
Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.0	49.4
54	36.1	33.3	49.9

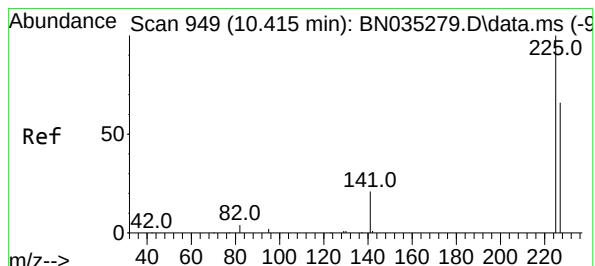
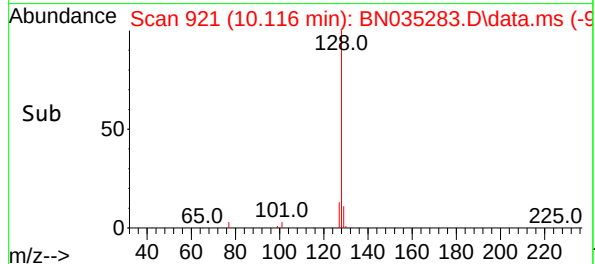
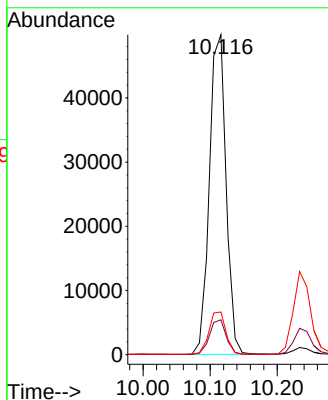
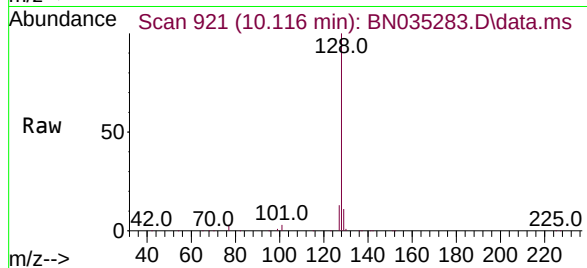




#9
Naphthalene
Concen: 5.622 ng
RT: 10.116 min Scan# 921
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

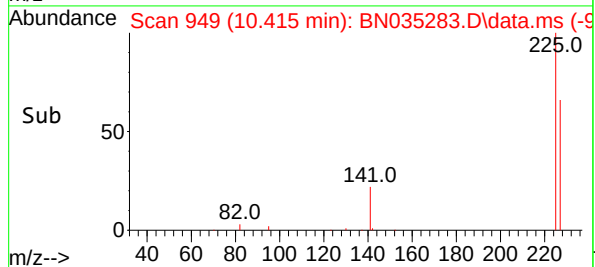
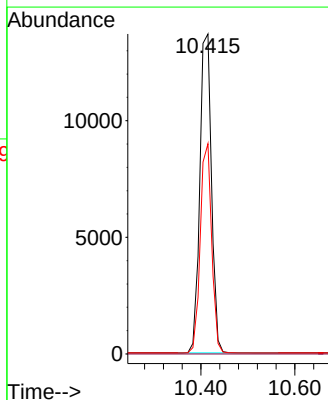
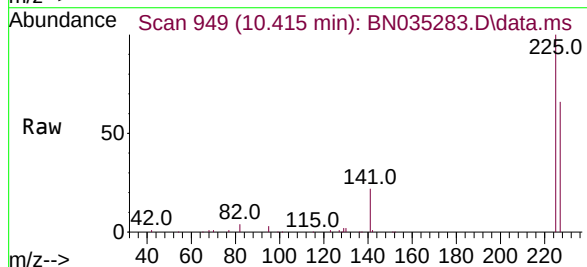
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

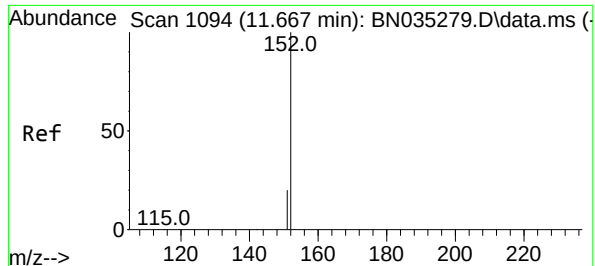
Tgt Ion:128 Resp: 86023
Ion Ratio Lower Upper
128 100
129 10.9 9.6 14.4
127 13.4 11.3 16.9



#10
Hexachlorobutadiene
Concen: 5.265 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:225 Resp: 23614
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 51.3 76.9

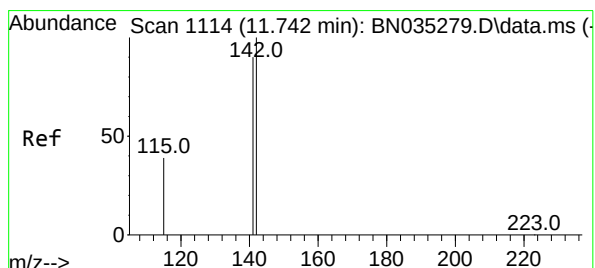
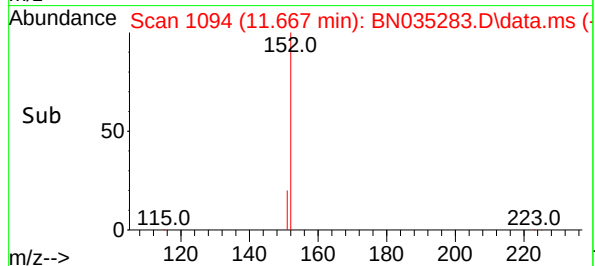
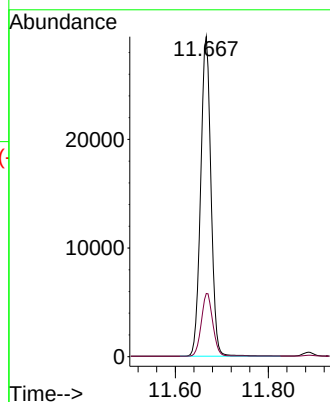
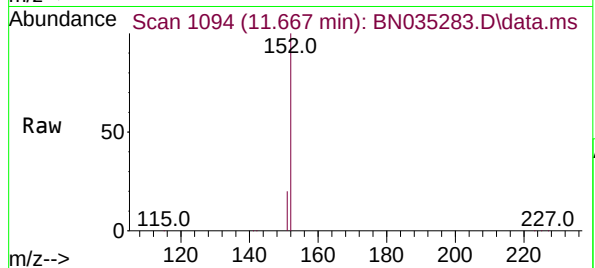




#11
2-Methylnaphthalene-d10
Concen: 4.321 ng
RT: 11.667 min Scan# 1094
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

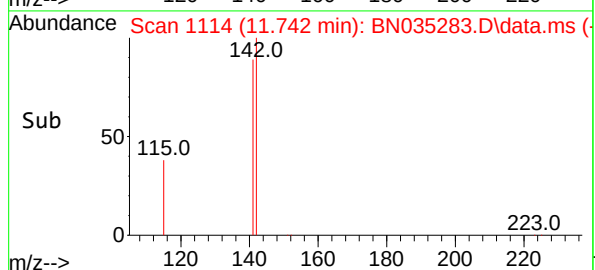
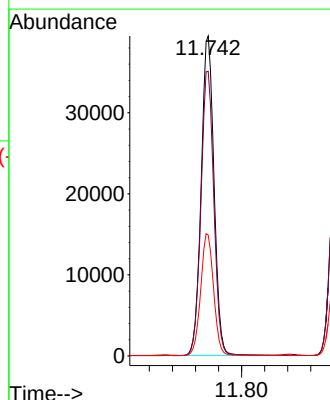
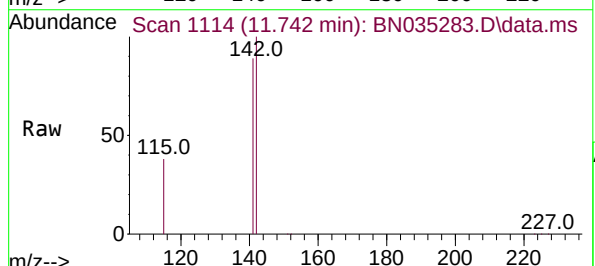
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

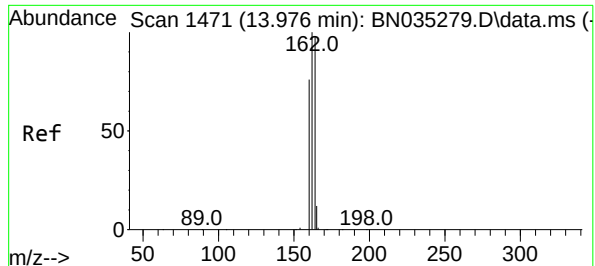
Tgt Ion:152 Resp: 45135
Ion Ratio Lower Upper
152 100
151 21.7 17.2 25.8



#12
2-Methylnaphthalene
Concen: 5.378 ng
RT: 11.742 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:142 Resp: 60715
Ion Ratio Lower Upper
142 100
141 88.9 71.8 107.8
115 37.8 32.6 49.0

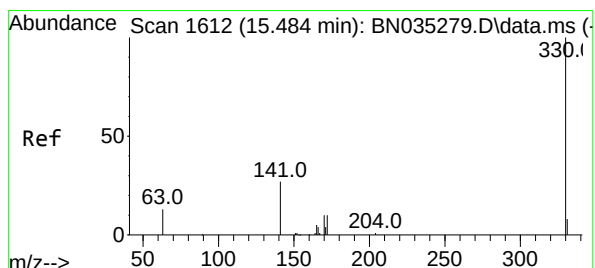
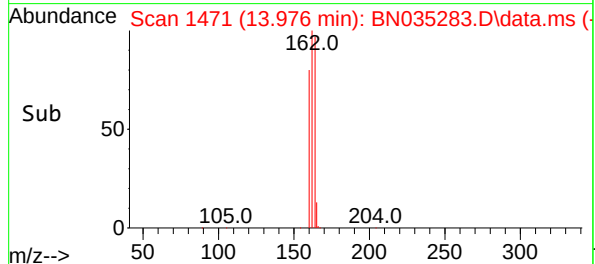
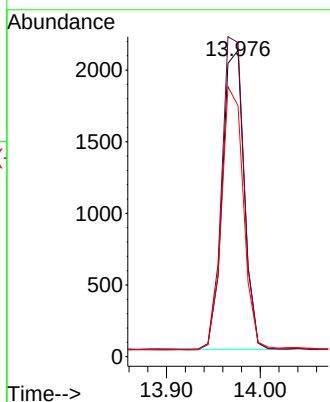
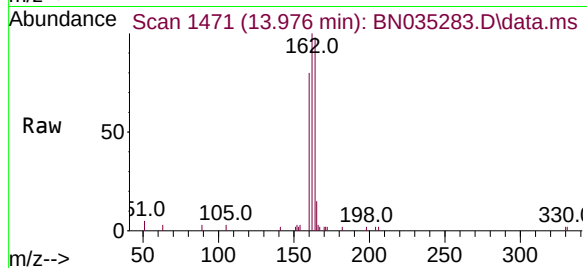




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

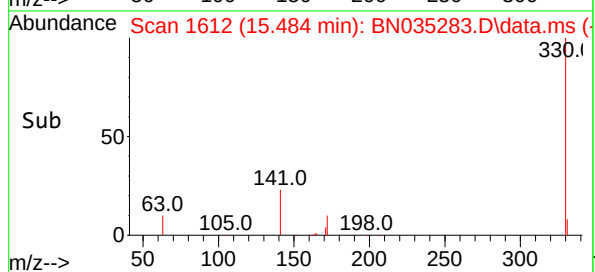
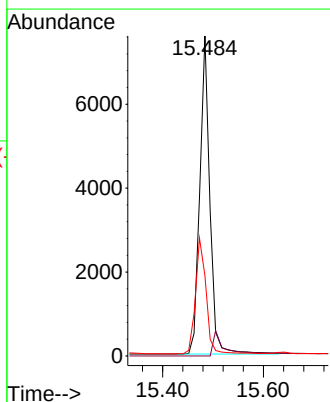
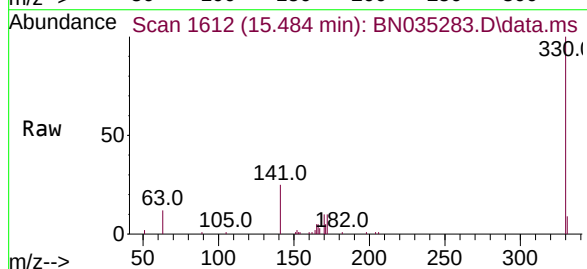
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

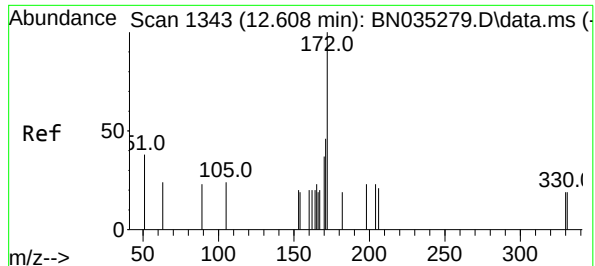
Tgt Ion:164 Resp: 3371
Ion Ratio Lower Upper
164 100
162 102.5 82.0 123.0
160 81.9 63.0 94.4



#14
2,4,6-Tribromophenol
Concen: 4.715 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:330 Resp: 11465
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 37.3 32.4 48.6

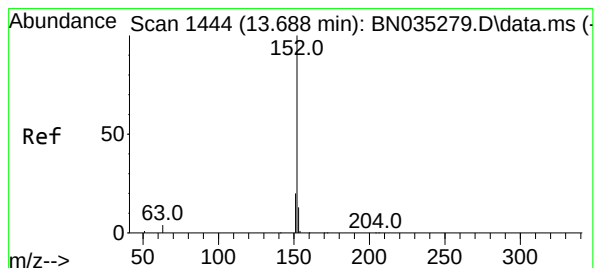
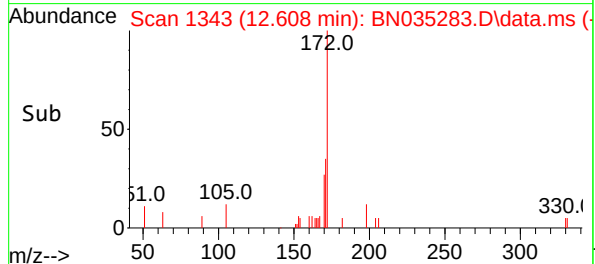
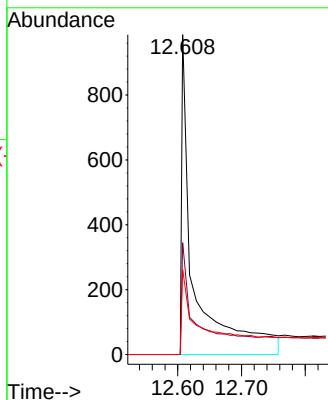
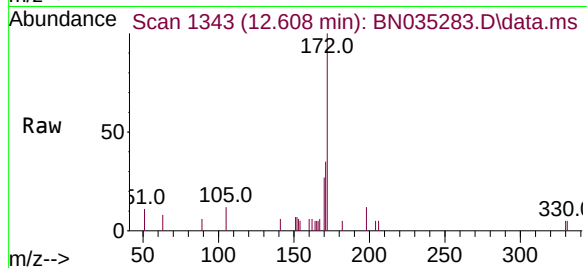




#15
2-Fluorobiphenyl
Concen: 0.102 ng
RT: 12.608 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

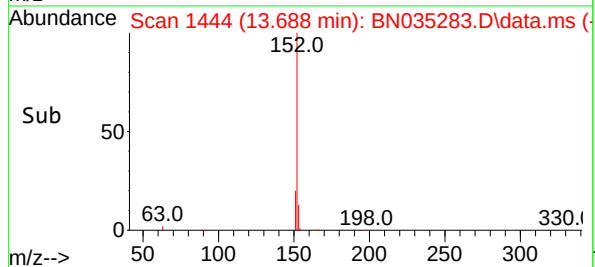
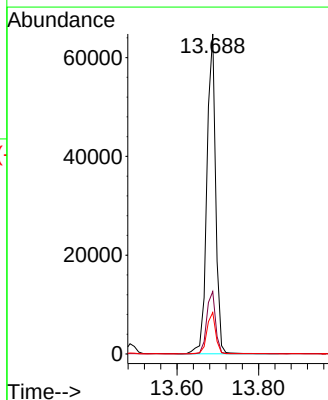
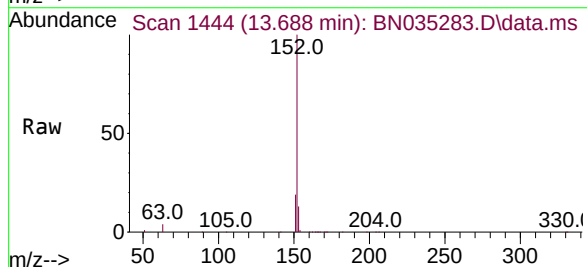
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

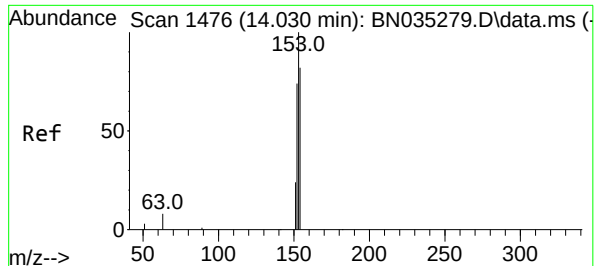
Tgt Ion:172 Resp: 1400
Ion Ratio Lower Upper
172 100
171 35.0 36.6 55.0#
170 26.6 29.7 44.5#



#16
Acenaphthylene
Concen: 6.708 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:152 Resp: 96646
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 12.9 10.2 15.4

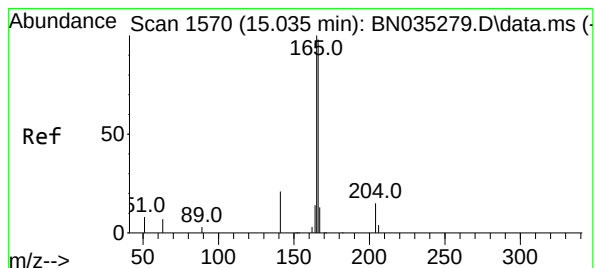
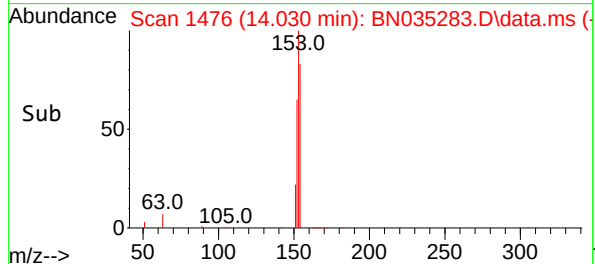
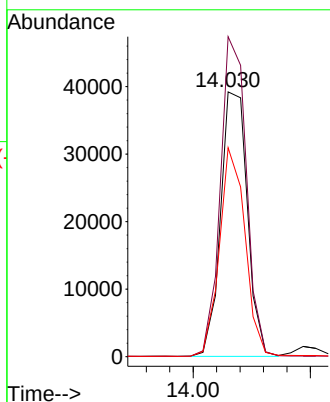
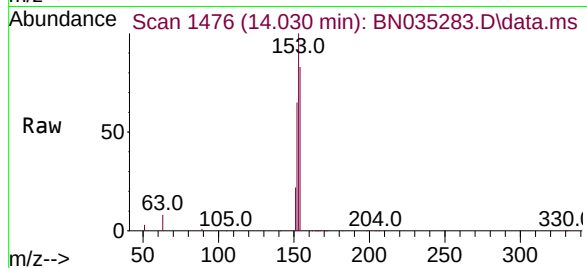




#17
Acenaphthene
Concen: 6.574 ng
RT: 14.030 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

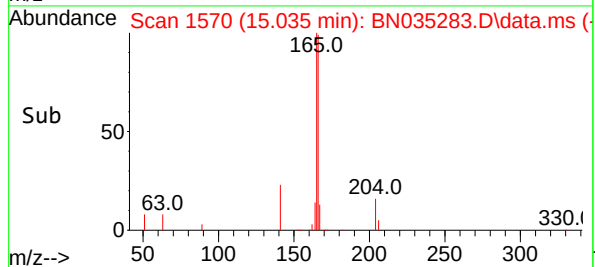
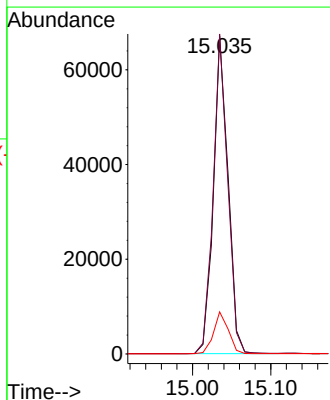
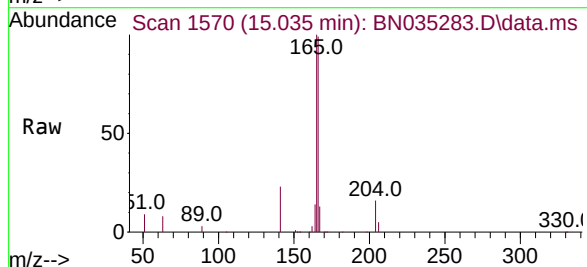
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

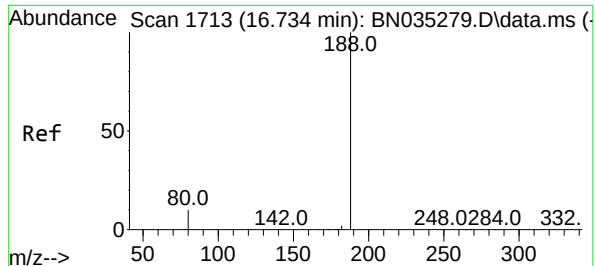
Tgt Ion:154 Resp: 62066
Ion Ratio Lower Upper
154 100
153 117.7 96.1 144.1
152 76.1 72.2 108.2



#18
Fluorene
Concen: 6.276 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:166 Resp: 87161
Ion Ratio Lower Upper
166 100
165 100.1 81.2 121.8
167 13.3 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.734 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BN035283.D

Acq: 25 Nov 2024 13:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

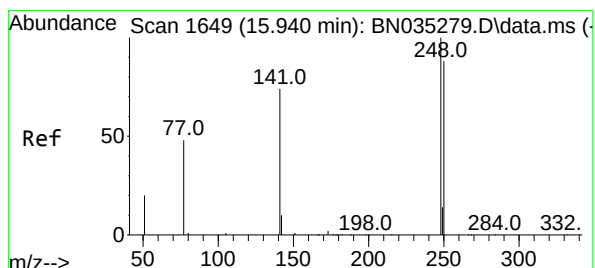
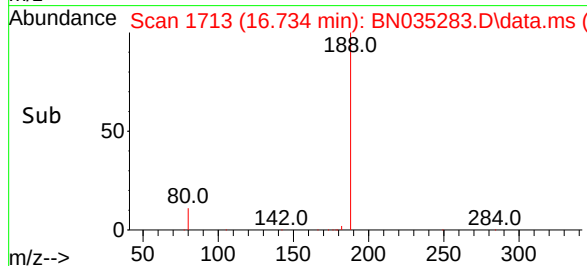
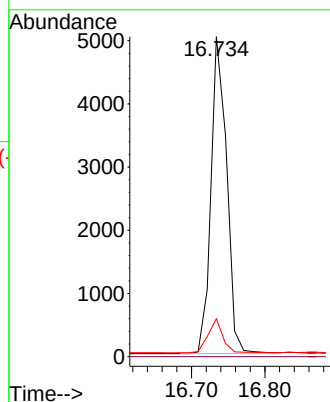
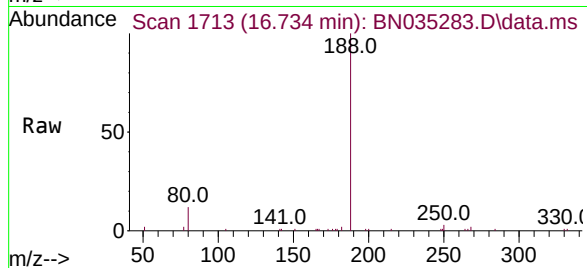
Tgt Ion:188 Resp: 7456

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.9 8.9 13.3



#21

4-Bromophenyl-phenylether

Concen: 5.884 ng

RT: 15.939 min Scan# 1649

Delta R.T. -0.000 min

Lab File: BN035283.D

Acq: 25 Nov 2024 13:52

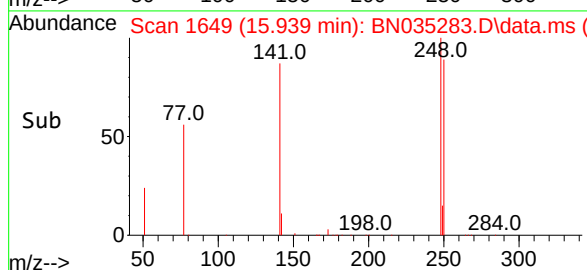
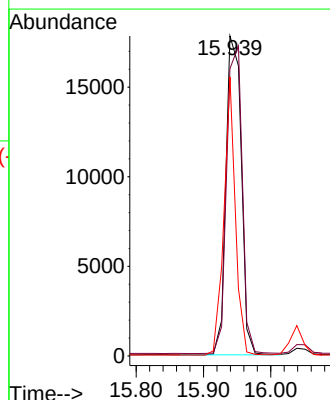
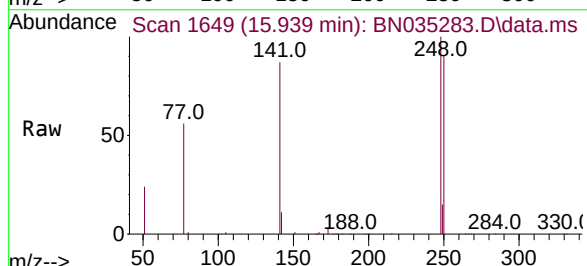
Tgt Ion:248 Resp: 27951

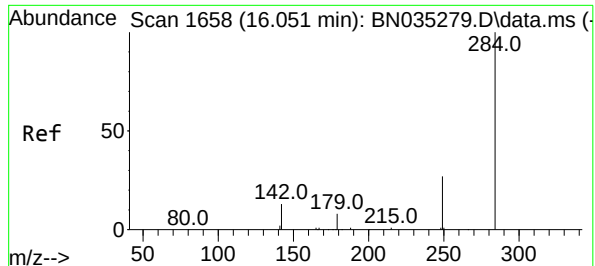
Ion Ratio Lower Upper

248 100

250 89.8 74.8 112.2

141 87.2 59.0 88.4





#22

Hexachlorobenzene

Concen: 7.450 ng

RT: 16.051 min Scan# 1658

Delta R.T. -0.000 min

Lab File: BN035283.D

Acq: 25 Nov 2024 13:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

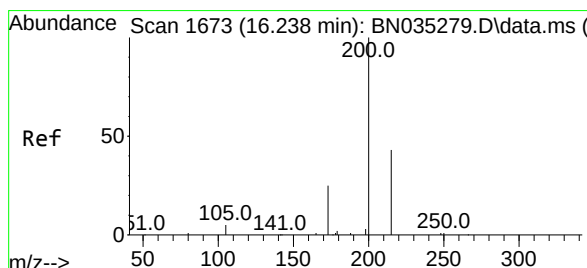
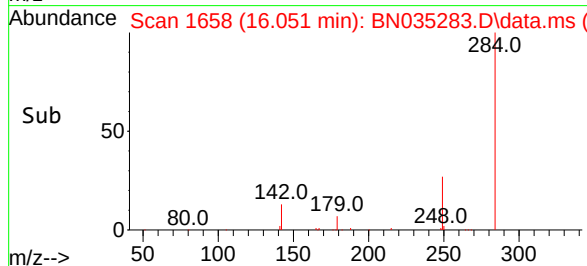
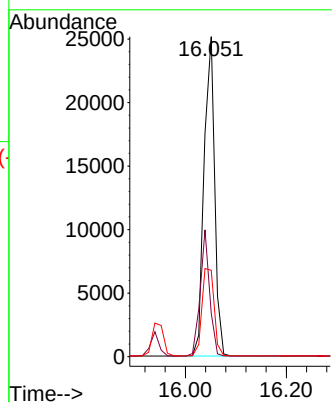
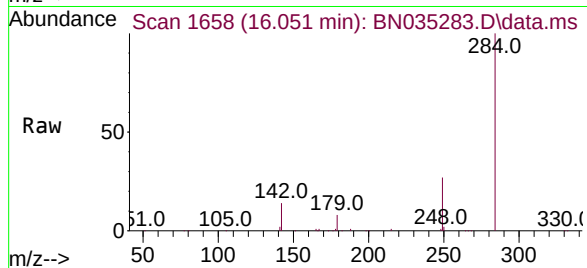
Tgt Ion:284 Resp: 36728

Ion Ratio Lower Upper

284 100

142 35.3 28.7 43.1

249 31.4 25.4 38.0



#23

Atrazine

Concen: 2.900 ng

RT: 16.237 min Scan# 1673

Delta R.T. -0.000 min

Lab File: BN035283.D

Acq: 25 Nov 2024 13:52

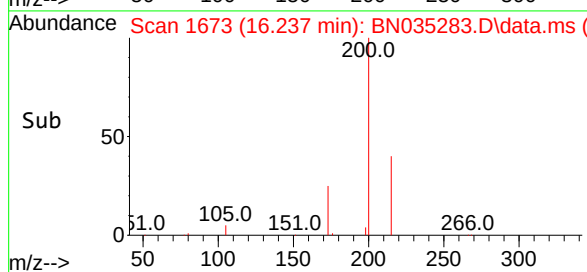
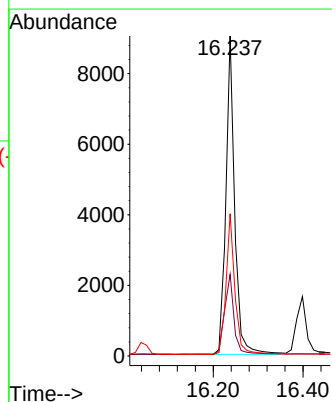
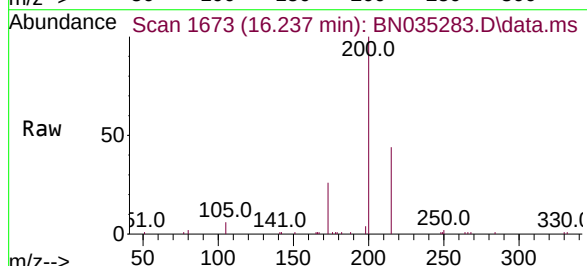
Tgt Ion:200 Resp: 12358

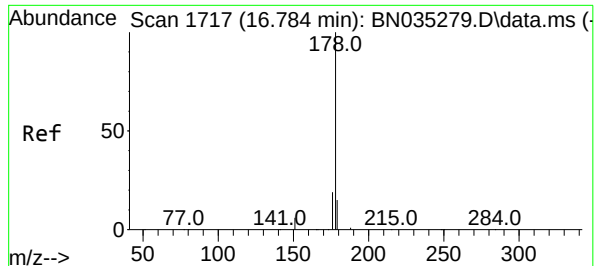
Ion Ratio Lower Upper

200 100

173 25.5 25.8 38.8#

215 44.4 38.6 58.0

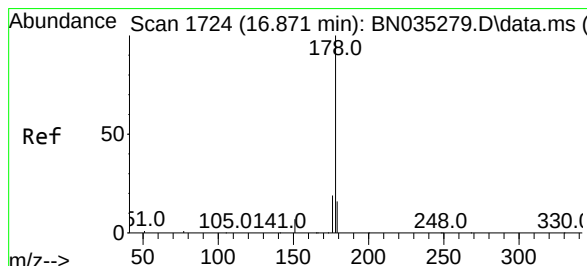
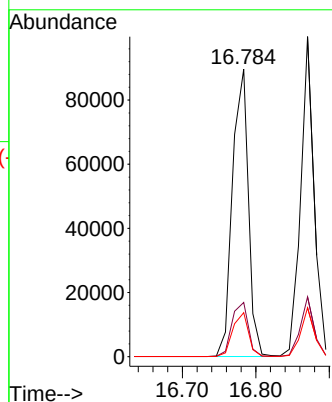
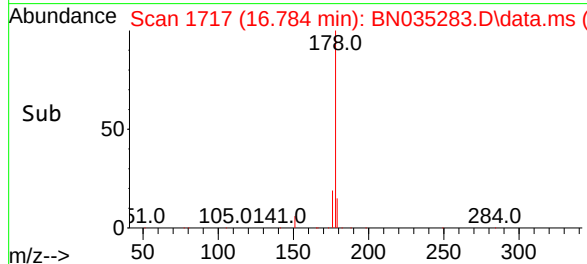
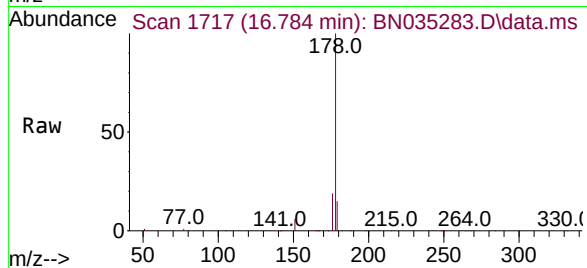




#25
Phenanthrene
Concen: 6.879 ng
RT: 16.784 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

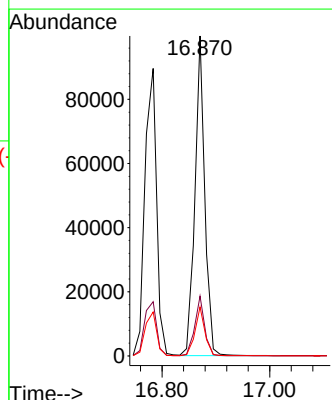
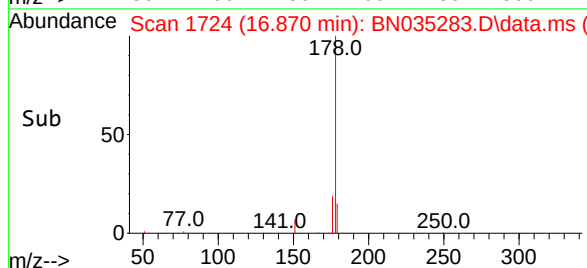
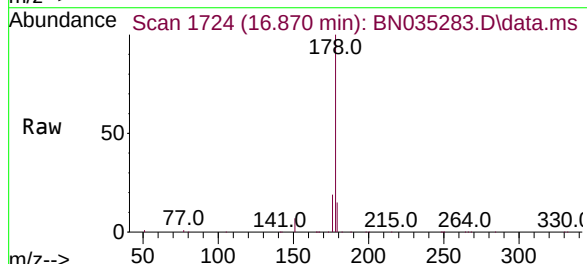
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

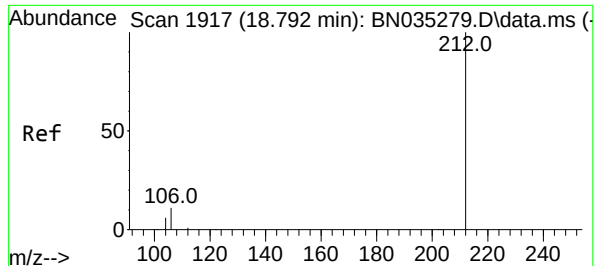
Tgt Ion:178 Resp: 134973
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.1 12.6 18.8



#26
Anthracene
Concen: 7.069 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:178 Resp: 127410
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.3 12.4 18.6

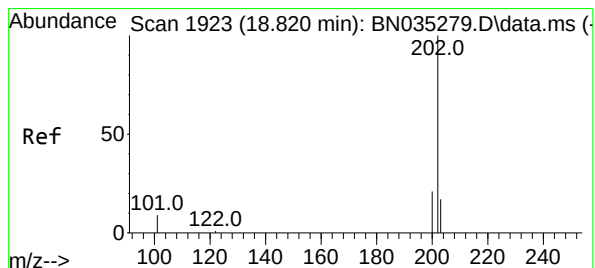
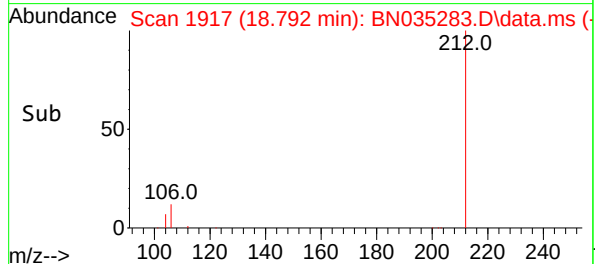
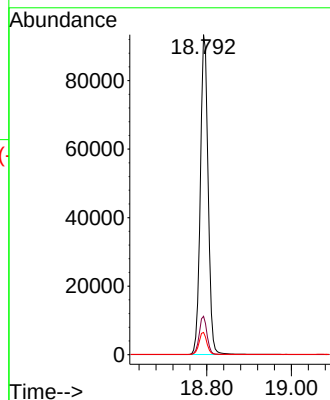
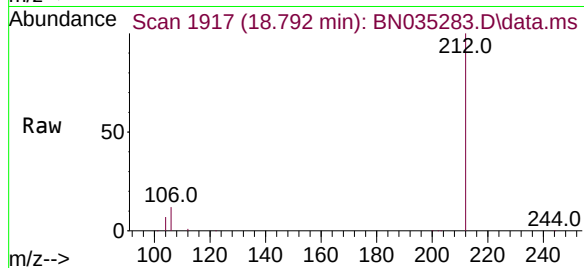




#27
Fluoranthene-d10
Concen: 5.178 ng
RT: 18.792 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

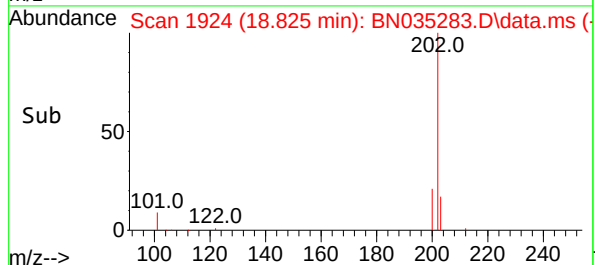
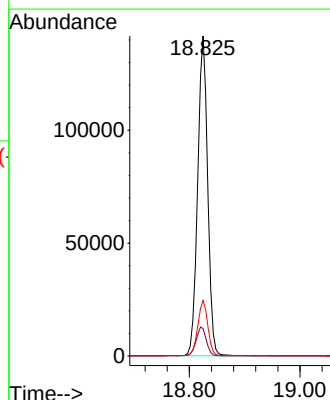
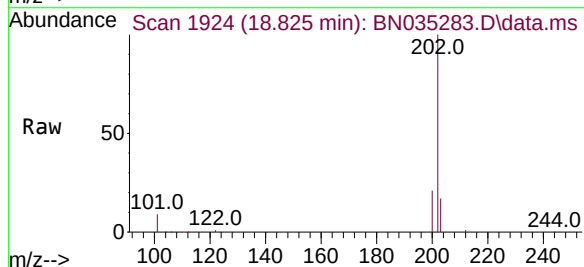
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

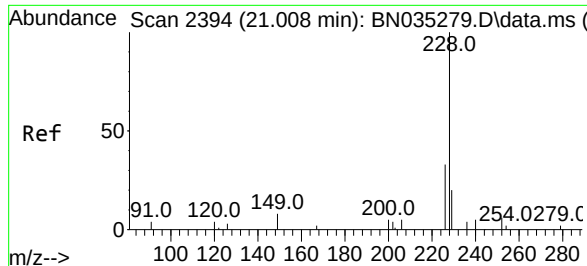
Tgt Ion:212 Resp: 118272
Ion Ratio Lower Upper
212 100
106 12.0 9.8 14.8
104 7.0 5.6 8.4



#28
Fluoranthene
Concen: 6.587 ng
RT: 18.825 min Scan# 1924
Delta R.T. 0.005 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:202 Resp: 177741
Ion Ratio Lower Upper
202 100
101 9.3 7.6 11.4
203 17.3 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035283.D

Acq: 25 Nov 2024 13:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

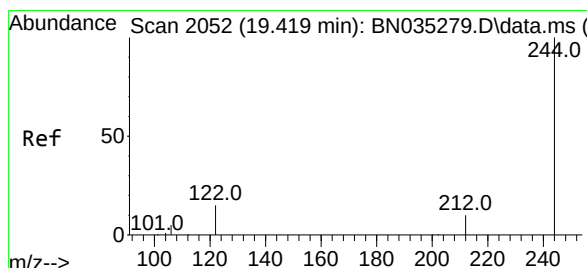
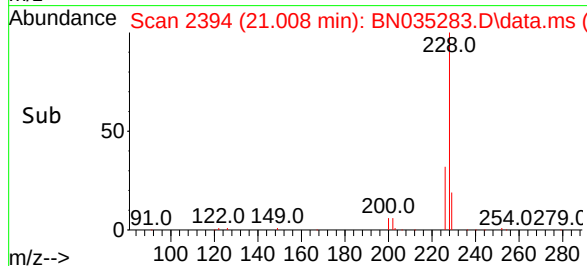
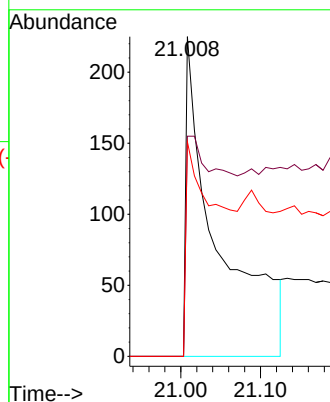
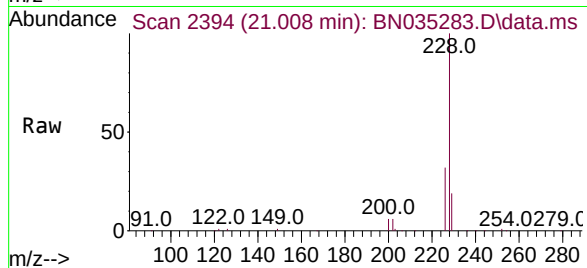
Tgt Ion:240 Resp: 600

Ion Ratio Lower Upper

240 100

120 68.9 54.9 82.3

236 67.1 54.0 81.0



#31

Terphenyl-d14

Concen: 61.679 ng

RT: 19.419 min Scan# 2052

Delta R.T. -0.000 min

Lab File: BN035283.D

Acq: 25 Nov 2024 13:52

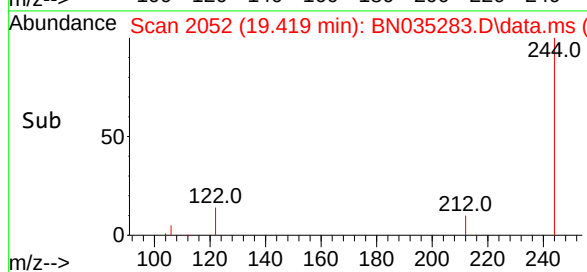
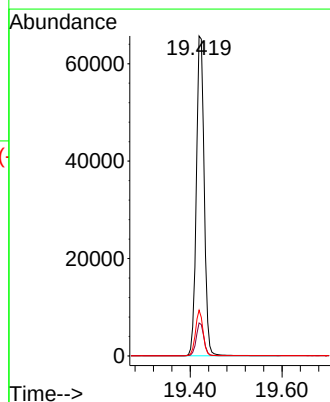
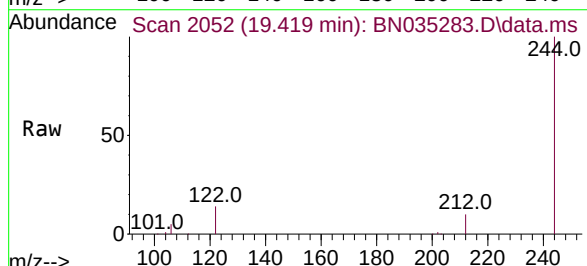
Tgt Ion:244 Resp: 77655

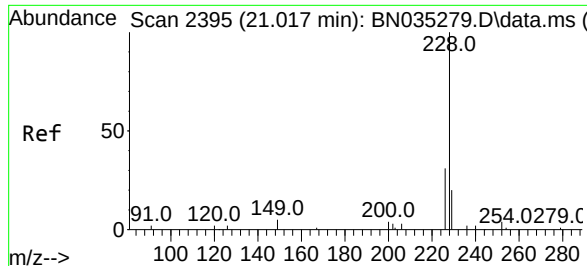
Ion Ratio Lower Upper

244 100

212 10.3 9.4 14.0

122 14.3 13.0 19.4

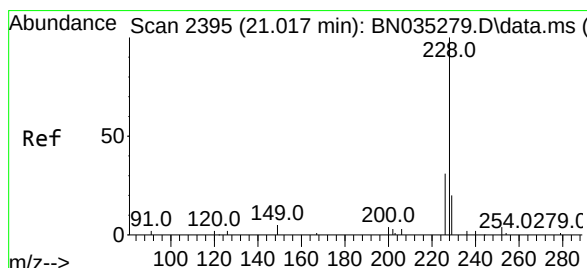
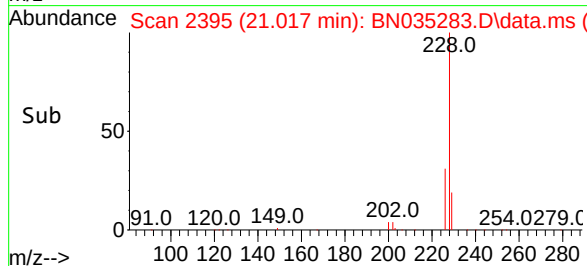
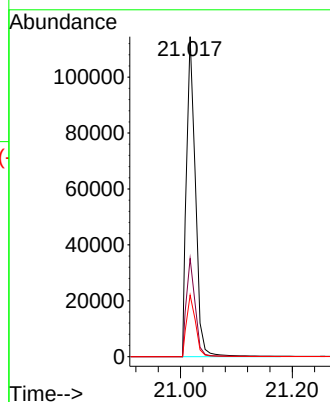
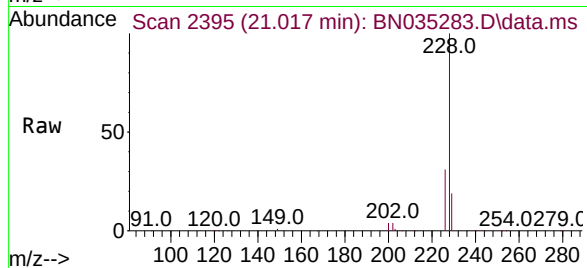




#32
Benzo(a)anthracene
Concen: 61.527 ng
RT: 21.017 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

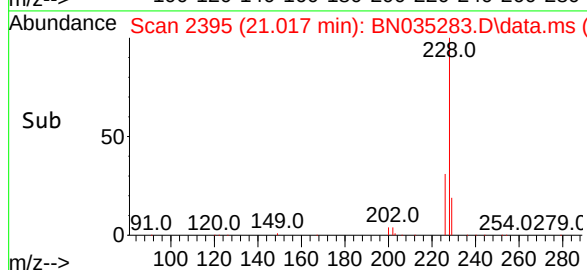
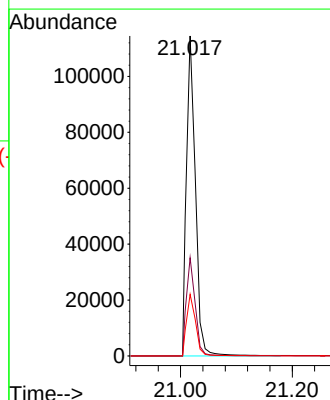
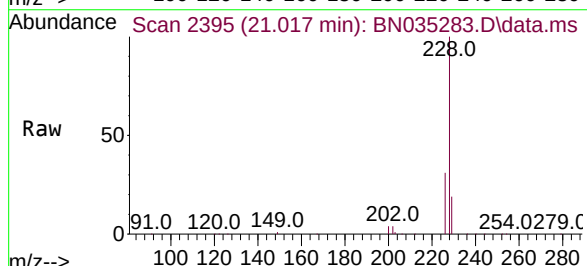
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

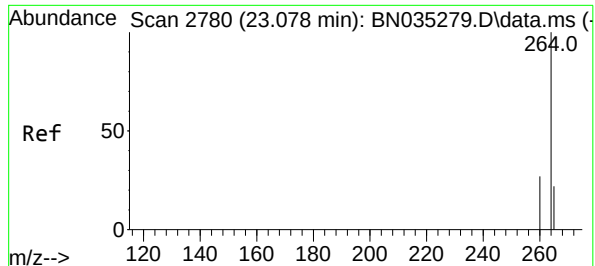
Tgt Ion:228 Resp: 128544
Ion Ratio Lower Upper
228 100
226 30.7 24.7 37.1
229 19.2 16.2 24.2



#33
Chrysene
Concen: 62.111 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:228 Resp: 128544
Ion Ratio Lower Upper
228 100
226 30.7 24.7 37.1
229 19.2 16.2 24.2

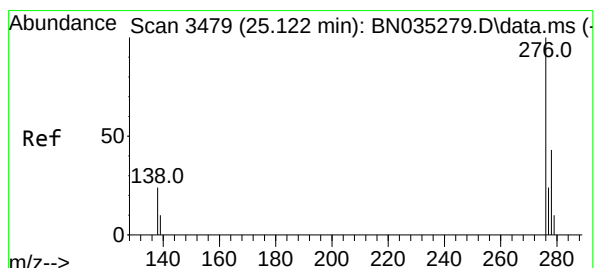
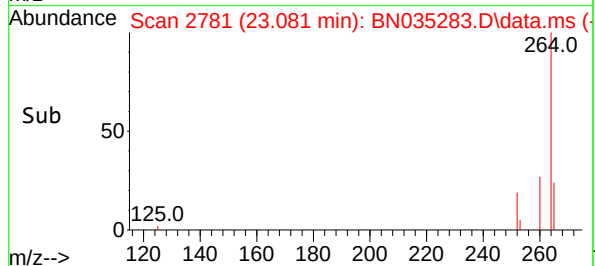
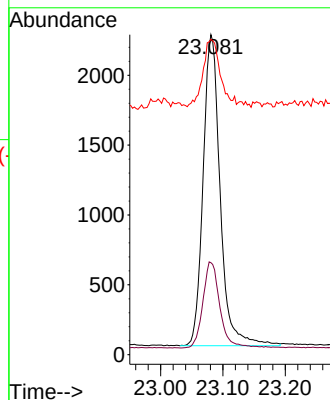
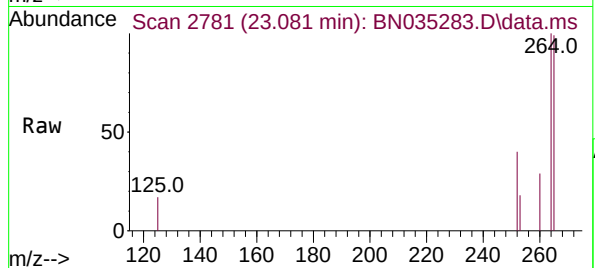




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

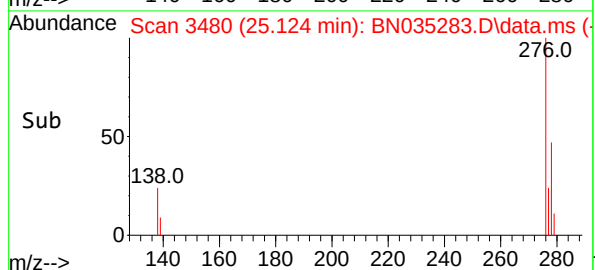
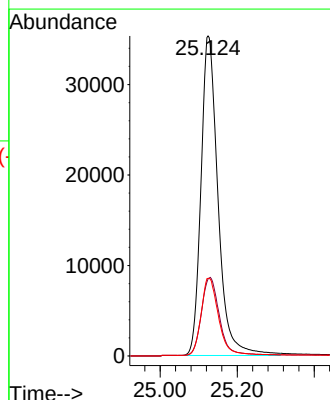
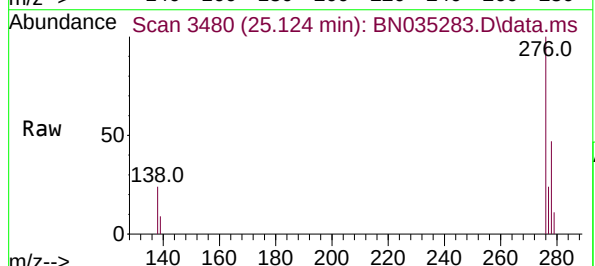
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

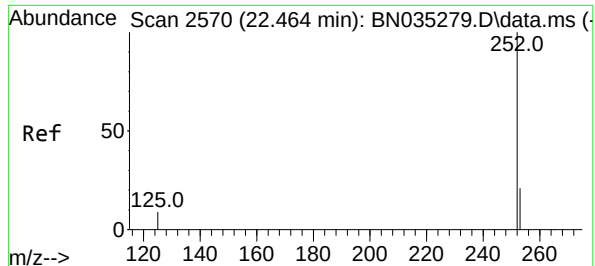
Tgt Ion:264 Resp: 4243
Ion Ratio Lower Upper
264 100
260 28.8 22.3 33.5
265 98.6 68.6 103.0



#36
Indeno(1,2,3-cd)pyrene
Concen: 6.420 ng
RT: 25.124 min Scan# 3480
Delta R.T. 0.003 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:276 Resp: 108670
Ion Ratio Lower Upper
276 100
138 25.5 18.8 28.2
277 24.8 18.2 27.4





#37

Benzo(b)fluoranthene

Concen: 7.668 ng

RT: 22.467 min Scan# 2570

Delta R.T. 0.003 min

Lab File: BN035283.D

Acq: 25 Nov 2024 13:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

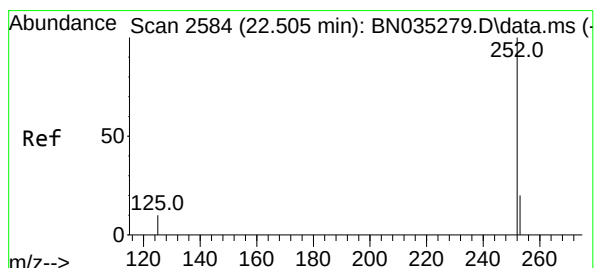
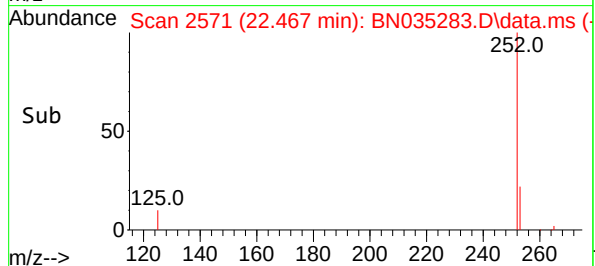
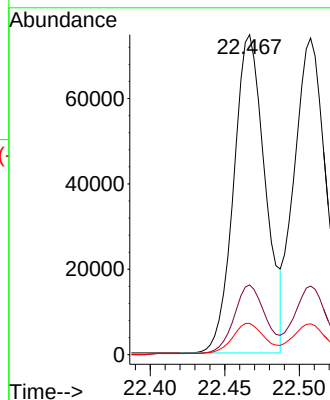
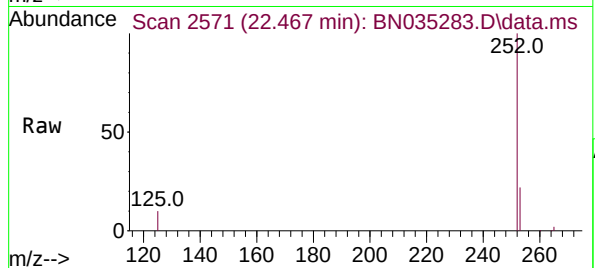
Tgt Ion:252 Resp: 109463

Ion Ratio Lower Upper

252 100

253 21.8 20.2 30.2

125 9.8 12.0 18.0#



#38

Benzo(k)fluoranthene

Concen: 8.038 ng

RT: 22.508 min Scan# 2585

Delta R.T. 0.003 min

Lab File: BN035283.D

Acq: 25 Nov 2024 13:52

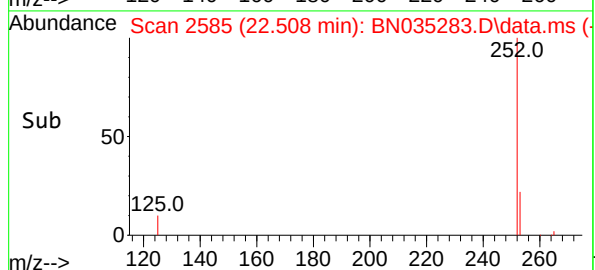
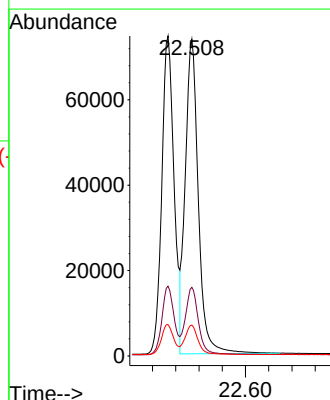
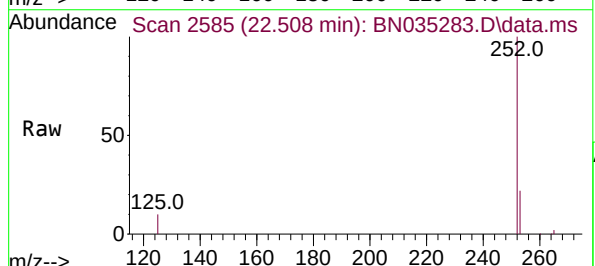
Tgt Ion:252 Resp: 114816

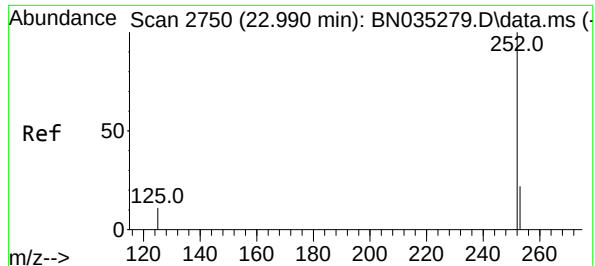
Ion Ratio Lower Upper

252 100

253 21.7 20.1 30.1

125 9.8 12.7 19.1#





#39

Benzo(a)pyrene

Concen: 6.696 ng

RT: 22.993 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN035283.D

Acq: 25 Nov 2024 13:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

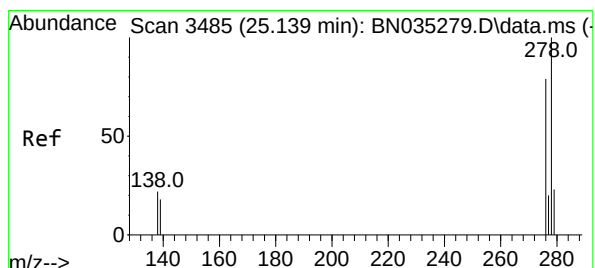
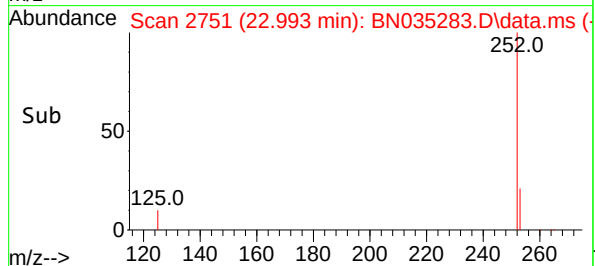
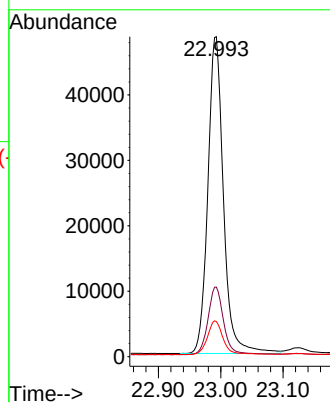
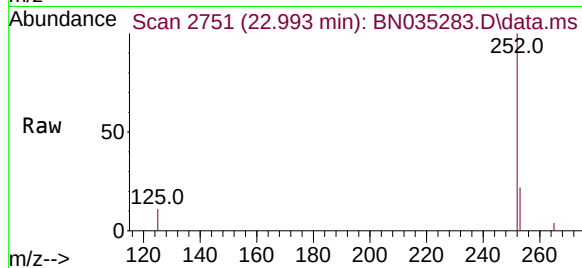
Tgt Ion:252 Resp: 84108

Ion Ratio Lower Upper

252 100

253 21.7 22.3 33.5#

125 11.0 15.3 22.9#



#40

Dibenzo(a,h)anthracene

Concen: 6.375 ng

RT: 25.142 min Scan# 3486

Delta R.T. 0.003 min

Lab File: BN035283.D

Acq: 25 Nov 2024 13:52

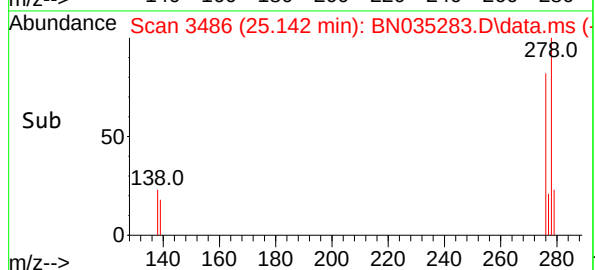
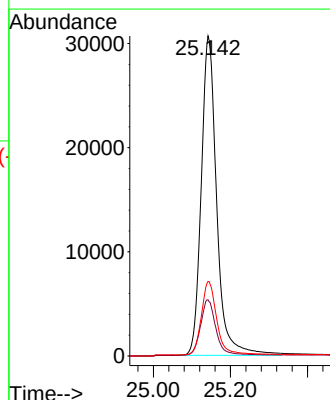
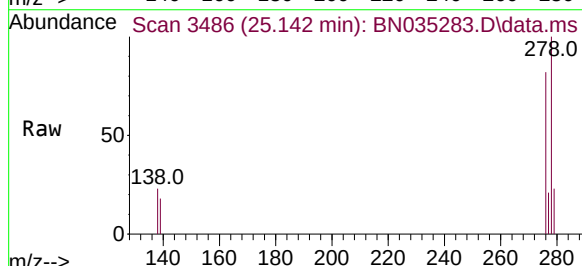
Tgt Ion:278 Resp: 85497

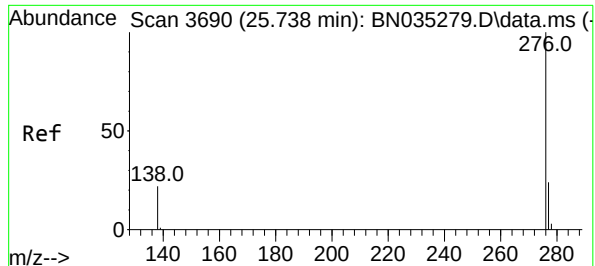
Ion Ratio Lower Upper

278 100

139 17.6 17.0 25.6

279 23.3 23.0 34.4





#41

Benzo(g,h,i)perylene

Concen: 6.459 ng

RT: 25.741 min Scan# 30

Delta R.T. 0.003 min

Lab File: BN035283.D

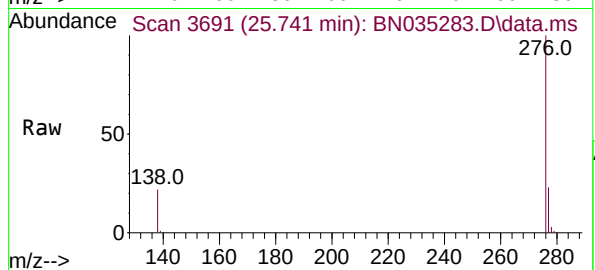
Acq: 25 Nov 2024 13:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0



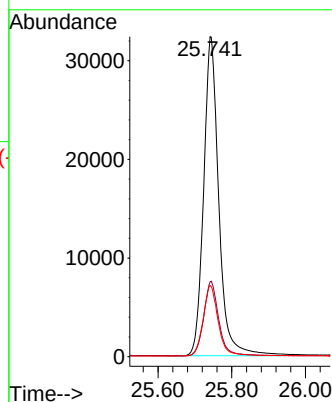
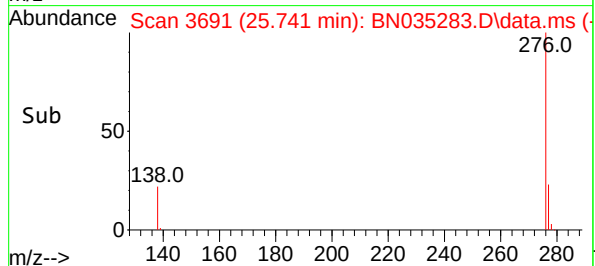
Tgt Ion:276 Resp: 92138

Ion Ratio Lower Upper

276 100

277 23.4 21.1 31.7

138 22.3 19.8 29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035284.D
 Acq On : 25 Nov 2024 14:29
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112524

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 25 22:35:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 25 14:32:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	2519	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	5593	0.400	ng	0.00
13) Acenaphthene-d10	13.976	164	2659	0.400	ng	# 0.00
19) Phenanthrene-d10	16.734	188	5748	0.400	ng	0.00
29) Chrysene-d12	21.008	240	611	0.400	ng	0.00
35) Perylene-d12	23.081	264	3470	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1712	0.360	ng	0.00
5) Phenol-d6	6.521	99	2314	0.348	ng	0.00
8) Nitrobenzene-d5	8.450	82	2129	0.469	ng	0.00
11) 2-Methylnaphthalene-d10	11.667	152	2635	0.337	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	546	0.402	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	683	0.465	ng	0.00
27) Fluoranthene-d10	18.792	212	5270m	0.343	ng	0.00
31) Terphenyl-d14	19.419	244	3187	0.282	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	689	0.381	ng	# 83
3) n-Nitrosodimethylamine	3.299	42	809	0.431	ng	# 76
6) bis(2-Chloroethyl)ether	6.766	93	2132	0.381	ng	99
9) Naphthalene	10.116	128	5975	0.385	ng	99
10) Hexachlorobutadiene	10.415	225	1929	0.442	ng	# 100
12) 2-Methylnaphthalene	11.742	142	3297	0.325	ng	98
16) Acenaphthylene	13.688	152	5175	0.387	ng	99
17) Acenaphthene	14.030	154	3227	0.383	ng	# 90
18) Fluorene	15.035	166	4194	0.355	ng	97
20) 4,6-Dinitro-2-methylph...	15.131	198	239	0.477	ng	98
21) 4-Bromophenyl-phenylether	15.940	248	1328	0.364	ng	92
22) Hexachlorobenzene	16.051	284	2564	0.491	ng	98
23) Atrazine	16.237	200	643	0.419	ng	98
24) Pentachlorophenol	16.399	266	510	0.407	ng	95
25) Phenanthrene	16.784	178	6385	0.362	ng	100
26) Anthracene	16.870	178	4852	0.320	ng	99
28) Fluoranthene	18.825	202	6686	0.300	ng	99
30) Pyrene	19.192	202	6525	0.294	ng	100
32) Benzo(a)anthracene	21.017	228	5799	0.273	ng	100
33) Chrysene	21.017	228	5799	0.273	ng	100
34) Bis(2-ethylhexyl)phtha...	21.017	149	520	0.041	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.121	276	5652	0.398	ng	99
37) Benzo(b)fluoranthene	22.464	252	5358	0.355	ng	97
38) Benzo(k)fluoranthene	22.508	252	5559	0.348	ng	97
39) Benzo(a)pyrene	22.990	252	4167	0.361	ng	97
40) Dibenzo(a,h)anthracene	25.145	278	4182	0.389	ng	98
41) Benzo(g,h,i)perylene	25.738	276	5121	0.412	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035284.D
 Acq On : 25 Nov 2024 14:29
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

ICVBN112524

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024

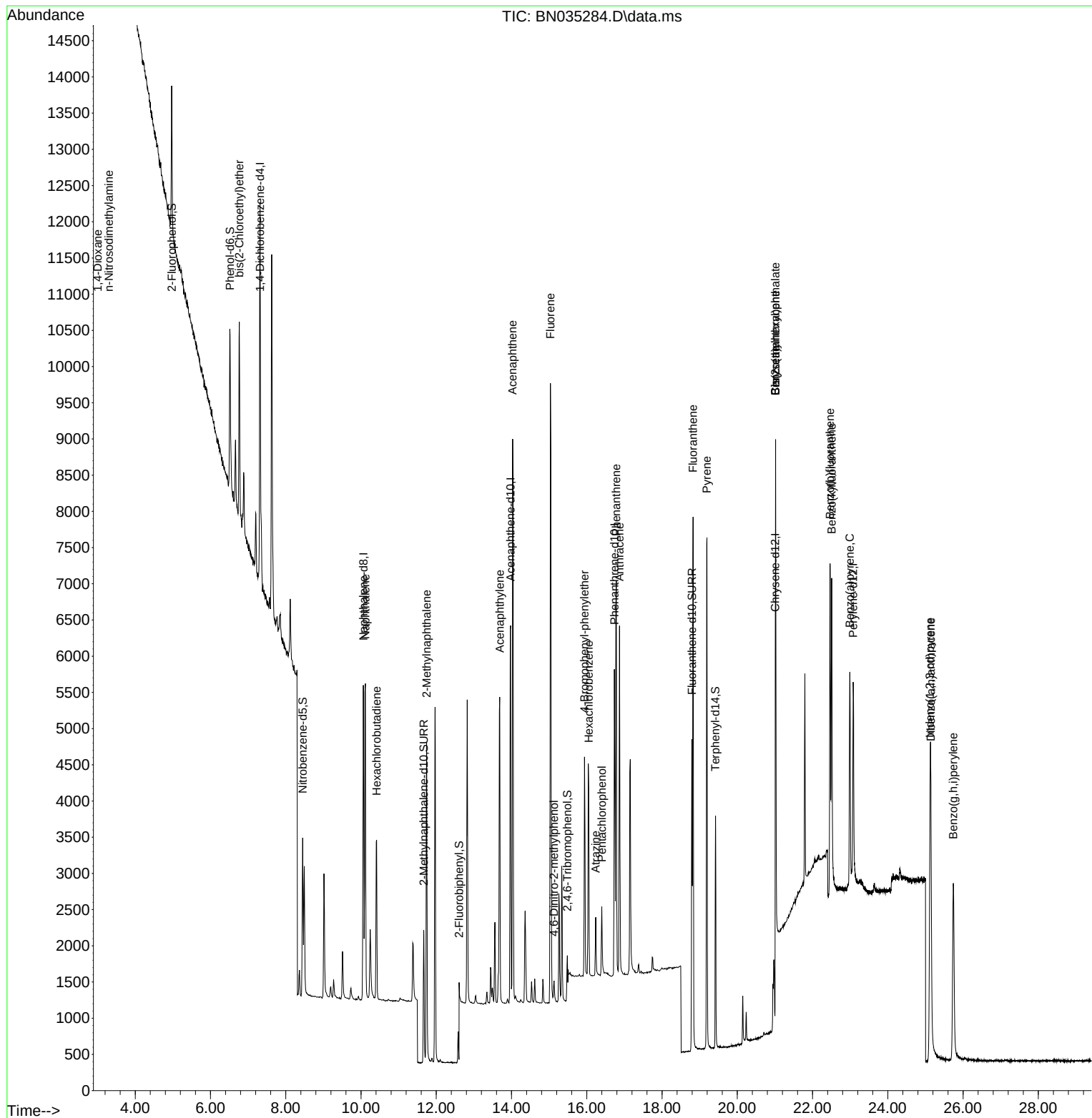
Quant Time: Nov 25 22:35:44 2024

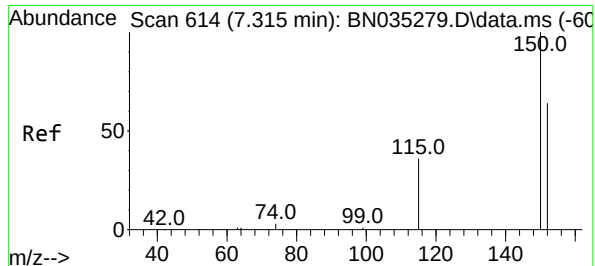
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 25 14:32:52 2024

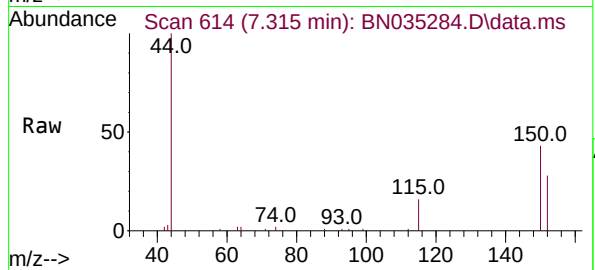
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 614
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

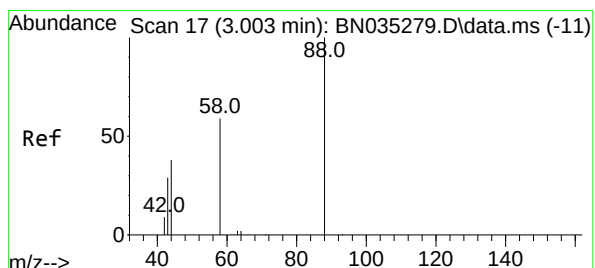
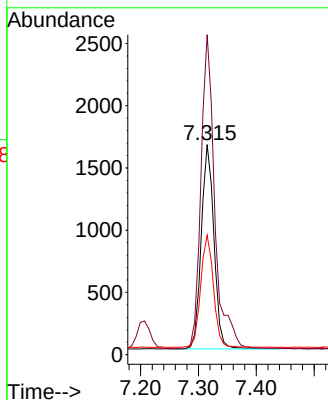
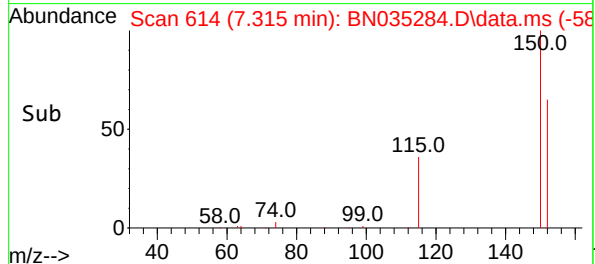
Instrument :
BNA_N
ClientSampleId :
ICVBN112524



Tgt Ion:152 Resp: 2519
Ion Ratio Lower Upper
152 100
150 152.3 124.5 186.7
115 56.9 47.8 71.8

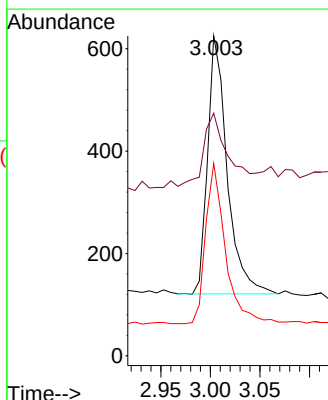
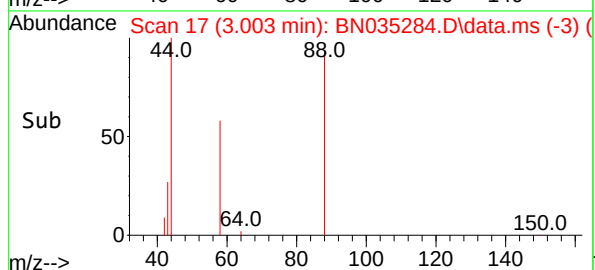
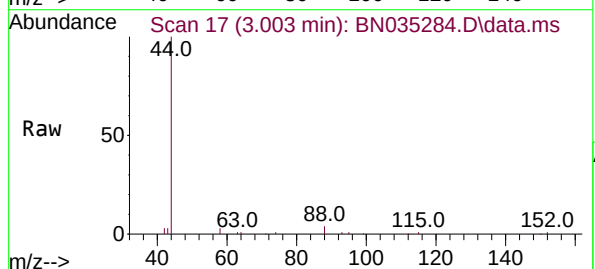
Manual Integrations
APPROVED

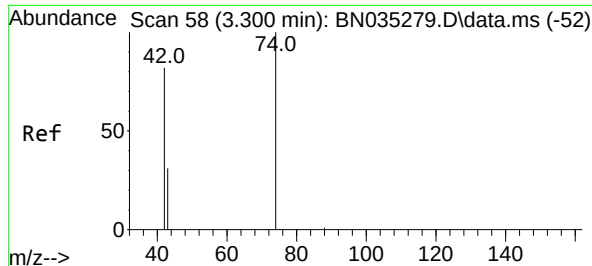
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#2
1,4-Dioxane
Concen: 0.381 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

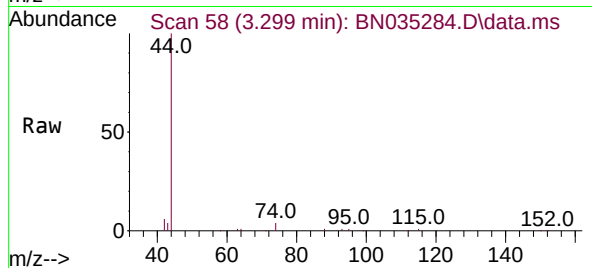
Tgt Ion: 88 Resp: 689
Ion Ratio Lower Upper
88 100
43 38.3 48.1 72.1#
58 62.8 46.9 70.3





#3
n-Nitrosodimethylamine
Concen: 0.431 ng
RT: 3.299 min Scan# 58
Delta R.T. -0.001 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

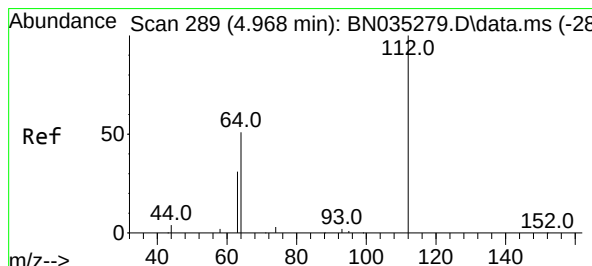
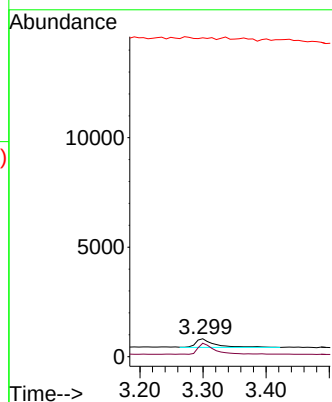
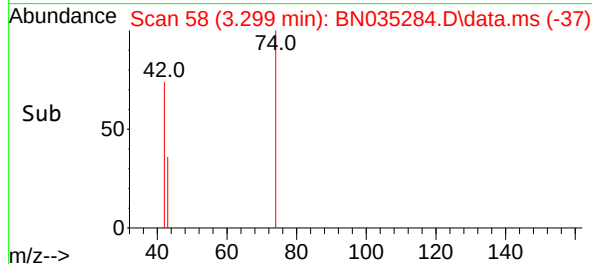
Instrument :
BNA_N
ClientSampleId :
ICVBN112524



Tgt Ion: 42 Resp: 809
Ion Ratio Lower Upper
42 100
74 116.4 102.7 154.1
44 0.0 34.1 51.1

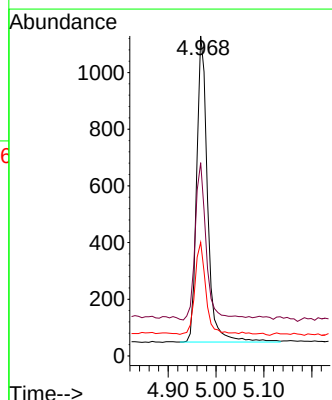
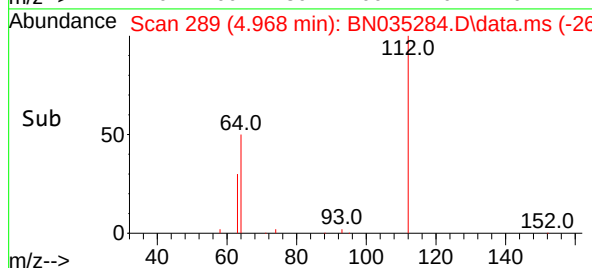
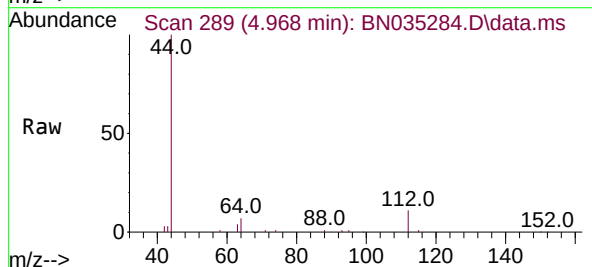
Manual Integrations
APPROVED

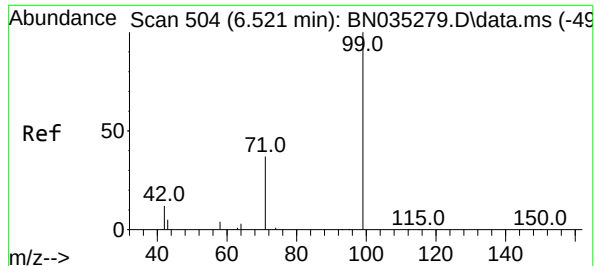
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#4
2-Fluorophenol
Concen: 0.360 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

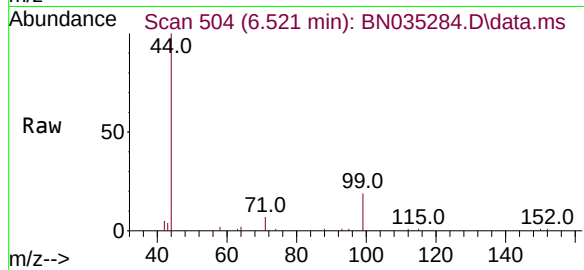
Tgt Ion:112 Resp: 1712
Ion Ratio Lower Upper
112 100
64 53.3 40.4 60.6
63 29.8 23.8 35.8





#5
Phenol-d6
Concen: 0.348 ng
RT: 6.521 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

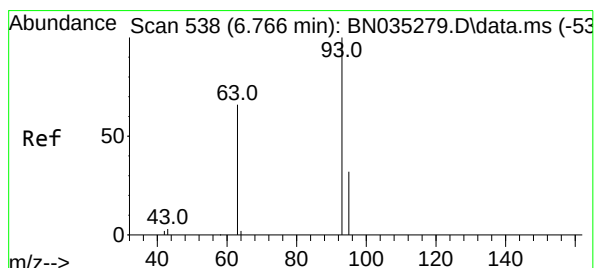
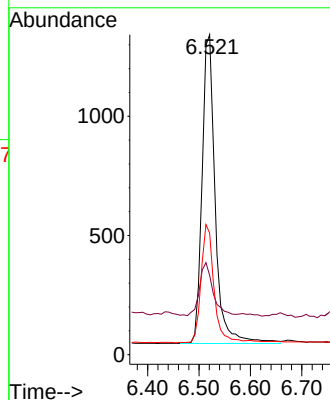
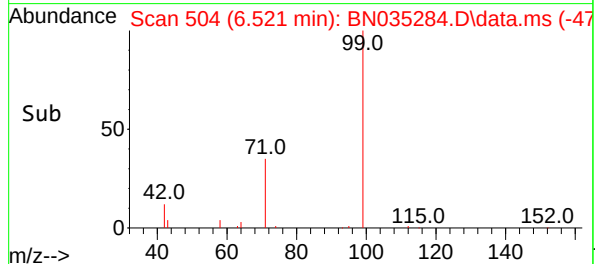
Instrument :
BNA_N
ClientSampleId :
ICVBN112524



Tgt Ion: 99 Resp: 2314
Ion Ratio Lower Upper
99 100
42 17.3 12.8 19.2
71 38.1 31.4 47.2

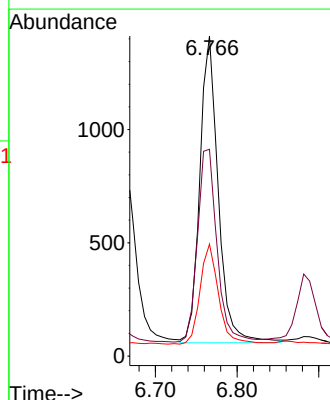
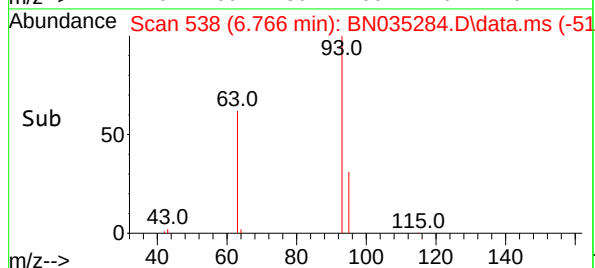
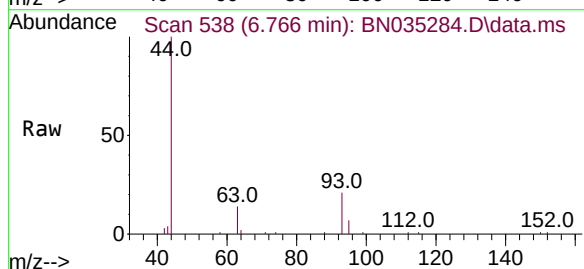
Manual Integrations
APPROVED

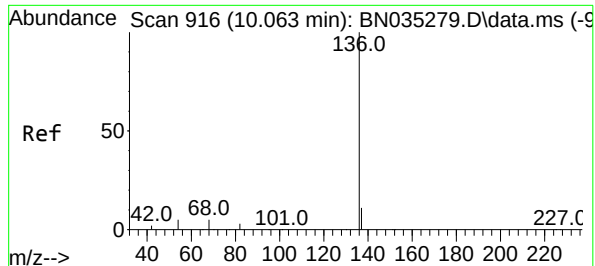
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#6
bis(2-Chloroethyl)ether
Concen: 0.381 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

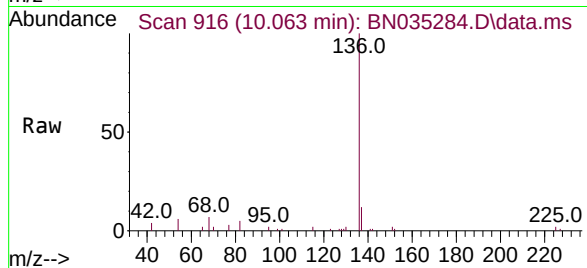
Tgt Ion: 93 Resp: 2132
Ion Ratio Lower Upper
93 100
63 66.4 52.3 78.5
95 32.6 25.5 38.3





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

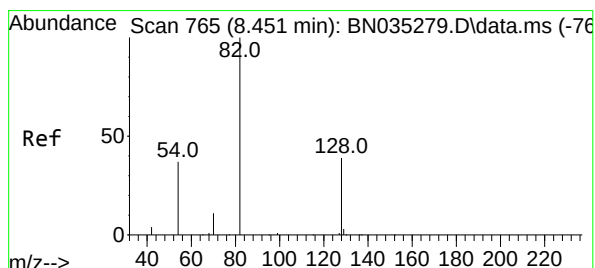
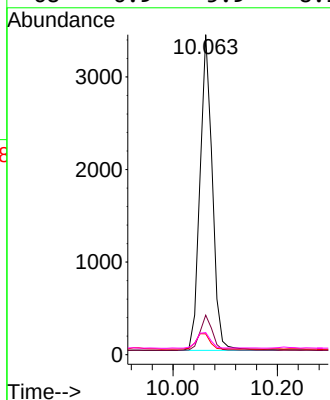
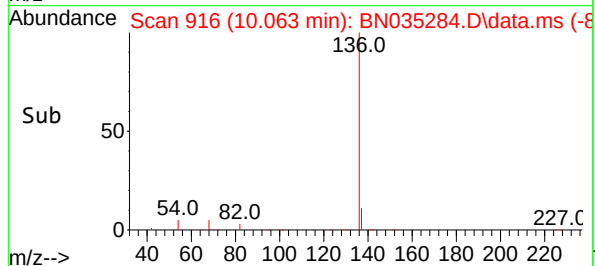
Instrument :
BNA_N
ClientSampleId :
ICVBN112524



Tgt Ion: 136 Resp: 559
Ion Ratio Lower Upper
136 100
137 12.3 9.7 14.5
54 6.5 5.3 7.9
68 6.9 5.9 8.9

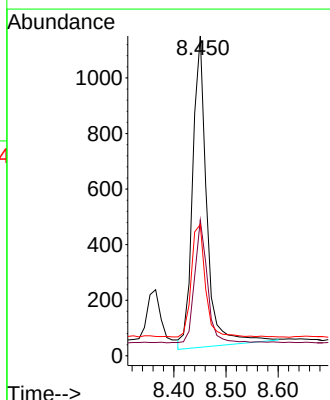
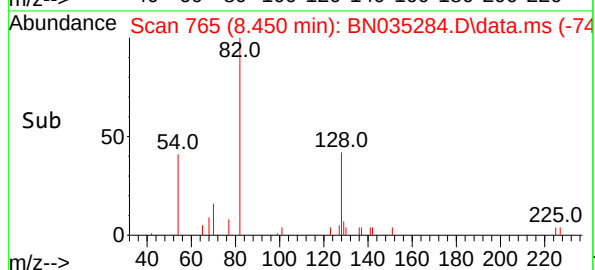
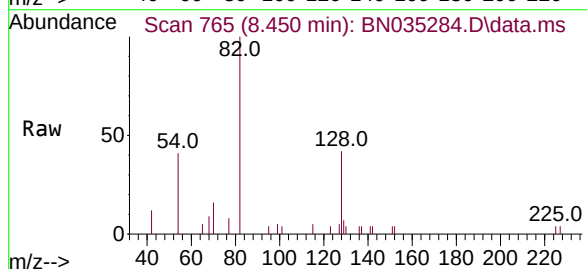
Manual Integrations
APPROVED

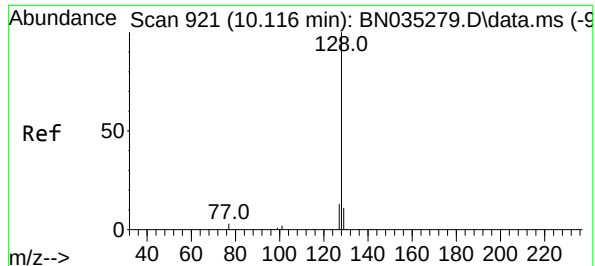
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#8
Nitrobenzene-d5
Concen: 0.469 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion: 82 Resp: 2129
Ion Ratio Lower Upper
82 100
128 42.5 33.0 49.4
54 41.1 33.3 49.9





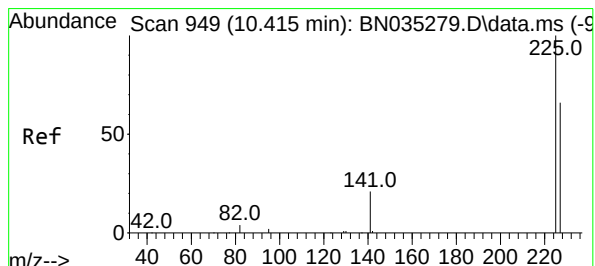
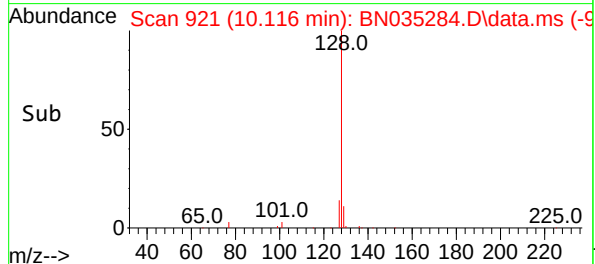
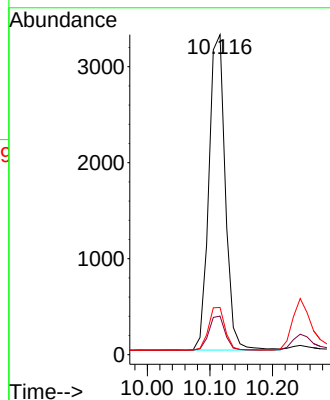
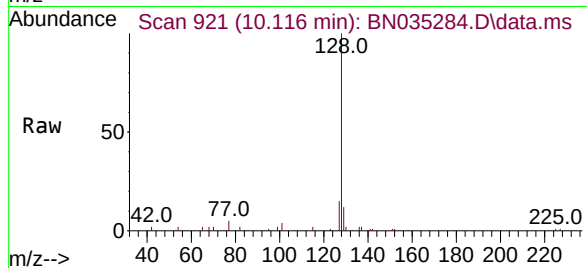
#9
Naphthalene
Concen: 0.385 ng
RT: 10.116 min Scan# 921
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:128 Resp: 5974
Ion Ratio Lower Upper
128 100
129 12.0 9.6 14.4
127 14.8 11.3 16.9

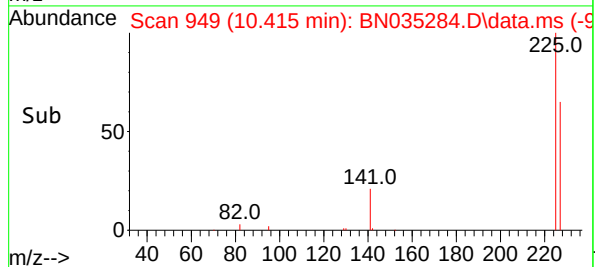
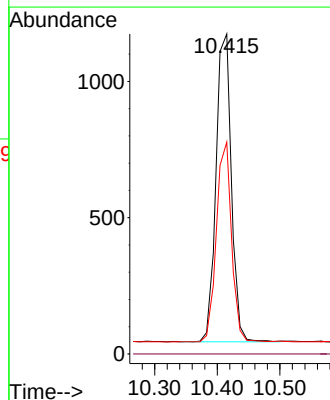
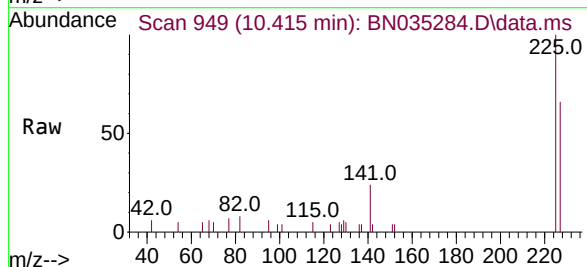
Manual Integrations
APPROVED

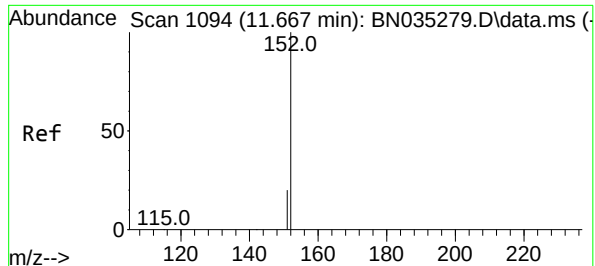
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#10
Hexachlorobutadiene
Concen: 0.442 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

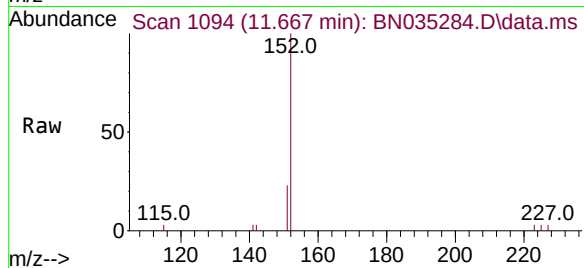
Tgt Ion:225 Resp: 1929
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.7 51.3 76.9





#11
2-Methylnaphthalene-d10
Concen: 0.337 ng
RT: 11.667 min Scan# 1094
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

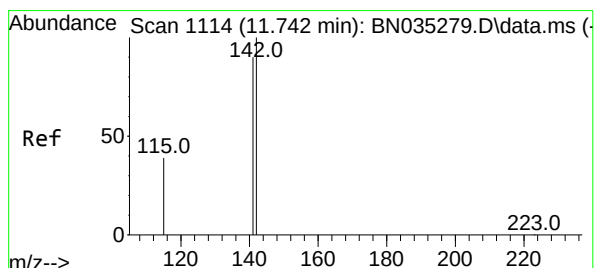
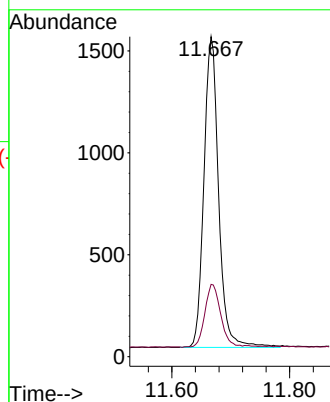
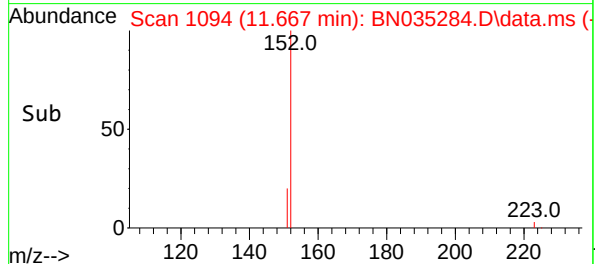
Instrument :
BNA_N
ClientSampleId :
ICVBN112524



Tgt Ion:152 Resp: 2638
Ion Ratio Lower Upper
152 100
151 21.9 17.2 25.8

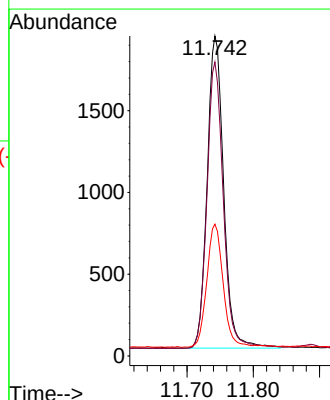
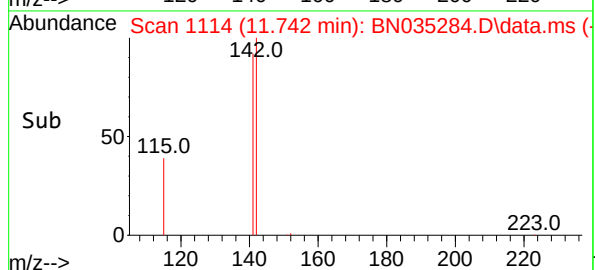
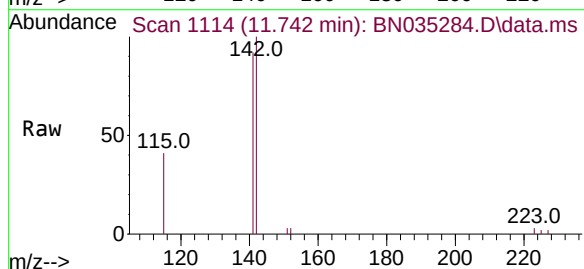
Manual Integrations
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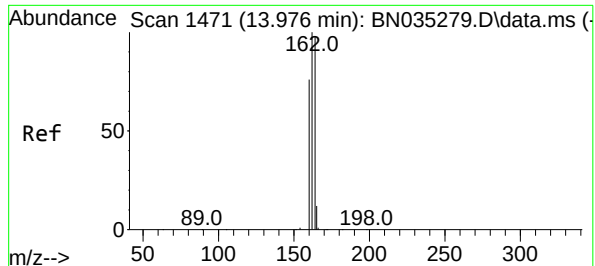
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#12
2-Methylnaphthalene
Concen: 0.325 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

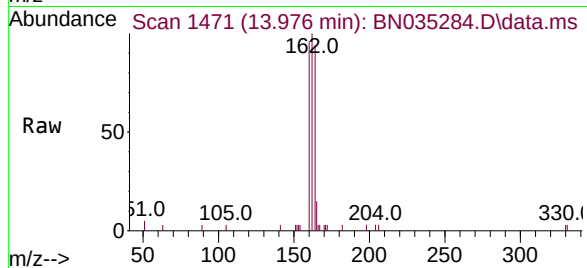
Tgt Ion:142 Resp: 3297
Ion Ratio Lower Upper
142 100
141 91.9 71.8 107.8
115 41.2 32.6 49.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

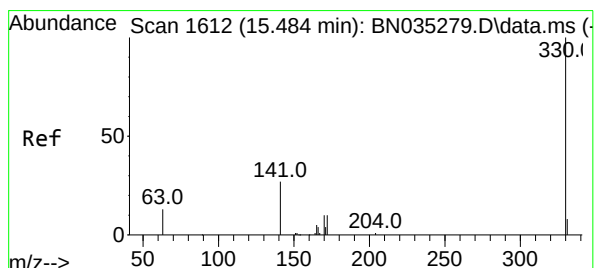
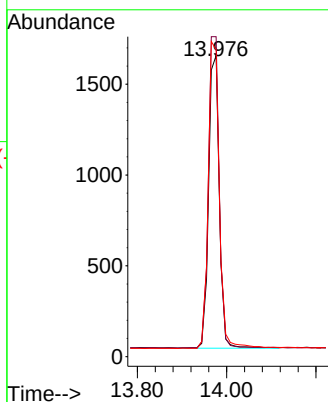
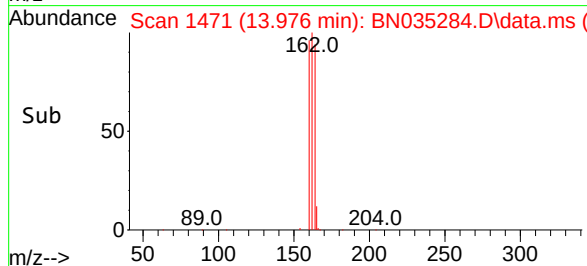
Instrument :
BNA_N
ClientSampleId :
ICVBN112524



Tgt Ion:164 Resp: 2659
Ion Ratio Lower Upper
164 100
162 106.3 82.0 123.0
160 101.9 63.0 94.4

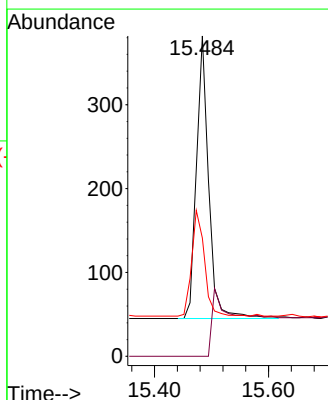
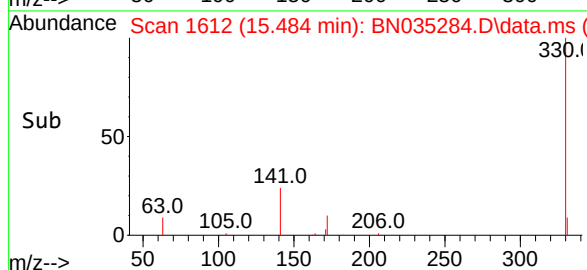
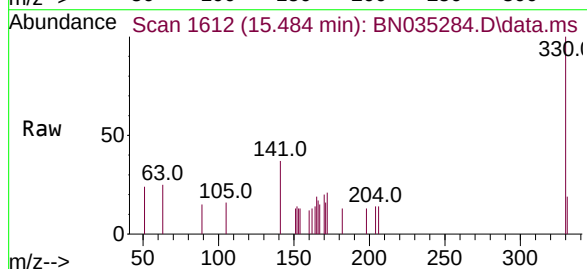
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APPROVED

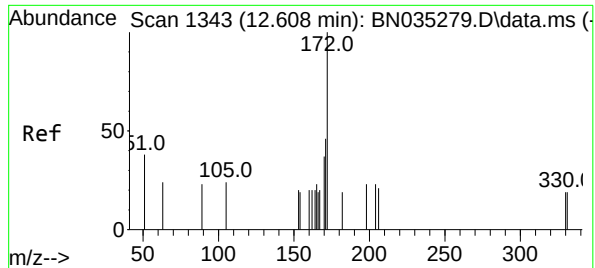
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#14
2,4,6-Tribromophenol
Concen: 0.402 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:330 Resp: 546
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 37.7 32.4 48.6





#15
2-Fluorobiphenyl
Concen: 0.465 ng
RT: 12.608 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :

BNA_N

ClientSampleId :

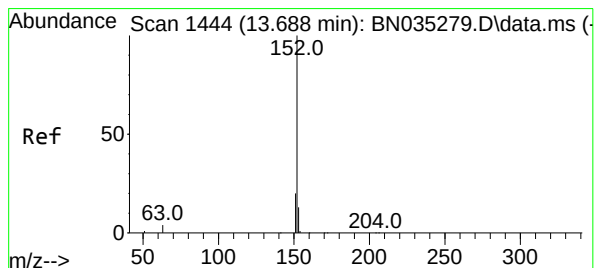
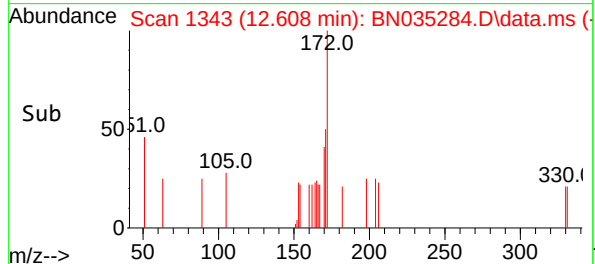
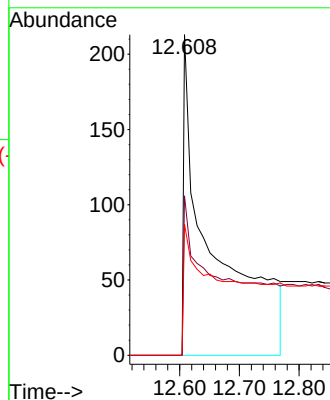
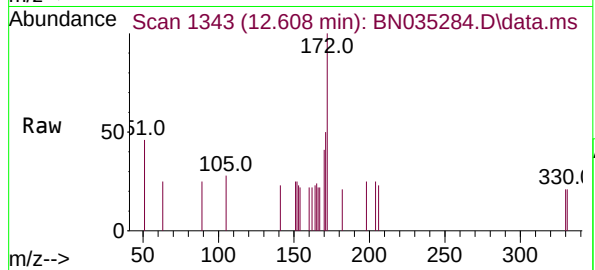
ICVBN112524

Tgt Ion	Ratio	Lower	Upper
172	100		
171	49.8	36.6	55.0
170	40.8	29.7	44.5

Manual Integrations

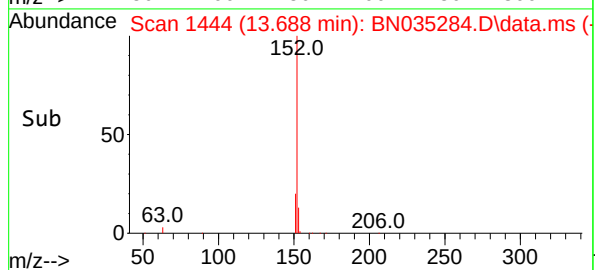
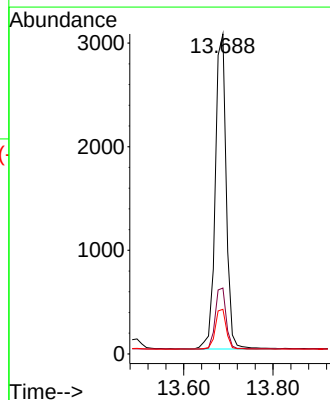
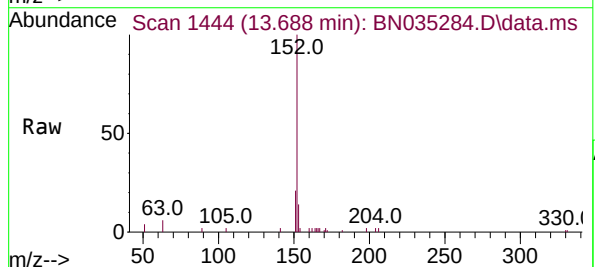
APPROVED

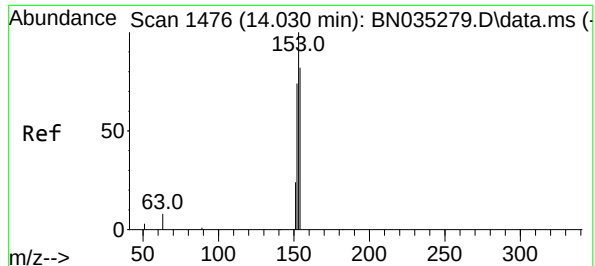
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#16
Acenaphthylene
Concen: 0.387 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

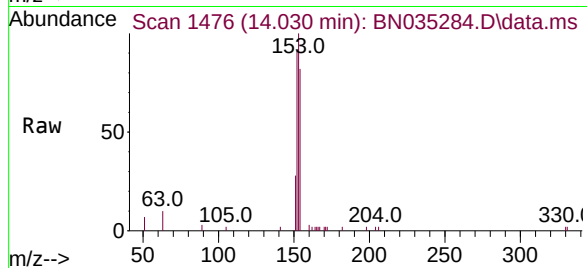
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.9	23.9
153	12.9	10.2	15.4





#17
Acenaphthene
Concen: 0.383 ng
RT: 14.030 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

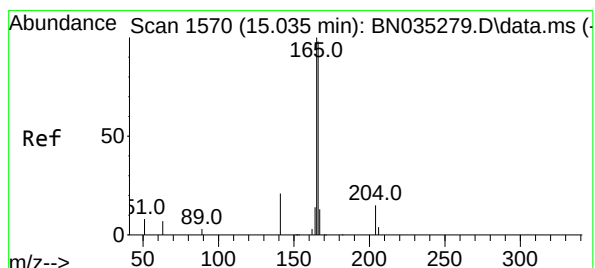
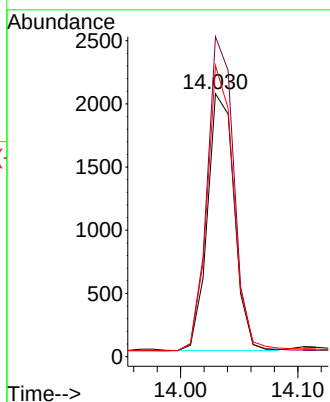
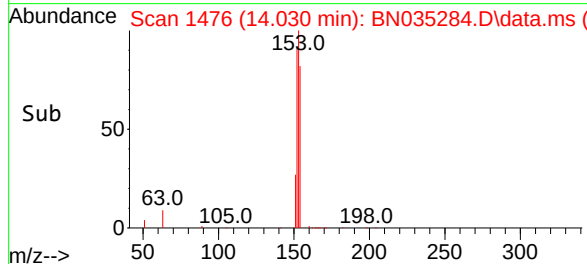
Instrument :
BNA_N
ClientSampleId :
ICVBN112524



Tgt Ion:154 Resp: 322
Ion Ratio Lower Upper
154 100
153 121.8 96.1 144.1
152 111.1 72.2 108.2

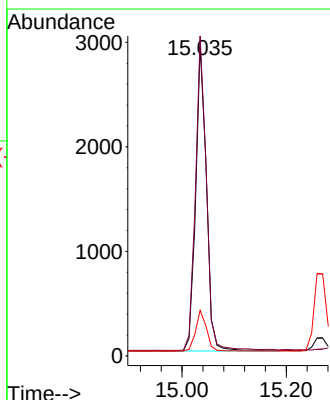
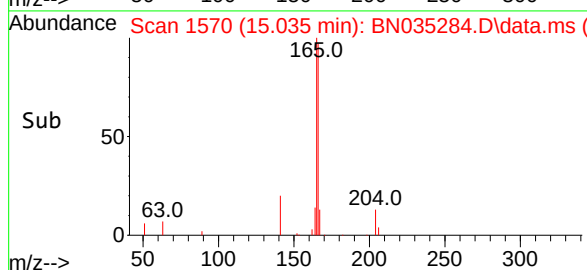
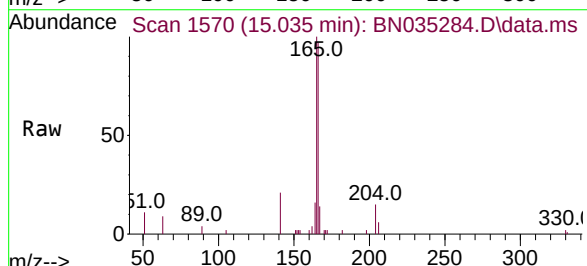
Manual Integrations
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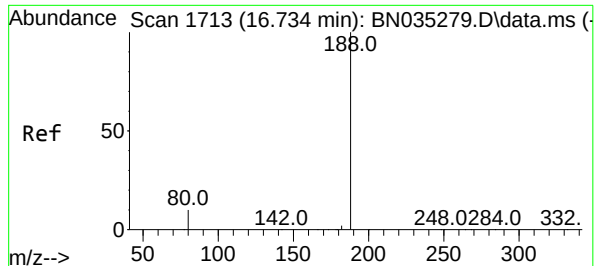
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#18
Fluorene
Concen: 0.355 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

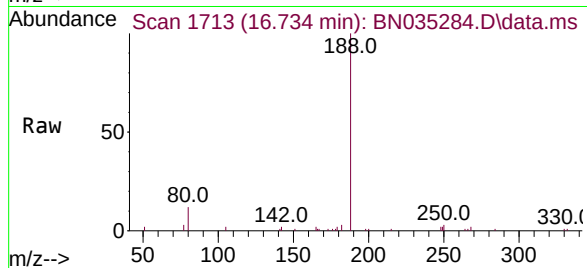
Tgt Ion:166 Resp: 4194
Ion Ratio Lower Upper
166 100
165 104.2 81.2 121.8
167 13.7 10.5 15.7





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

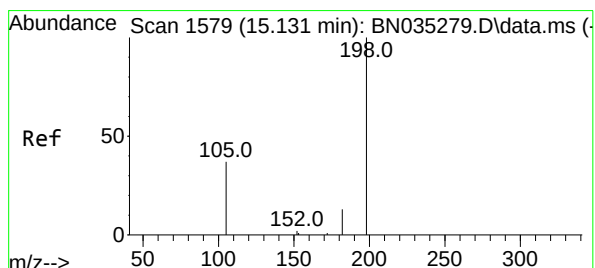
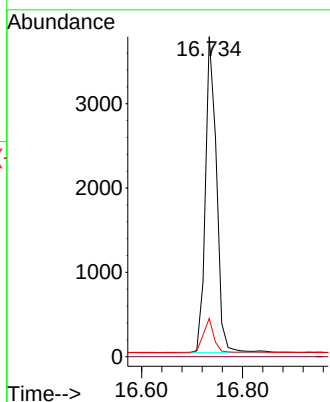
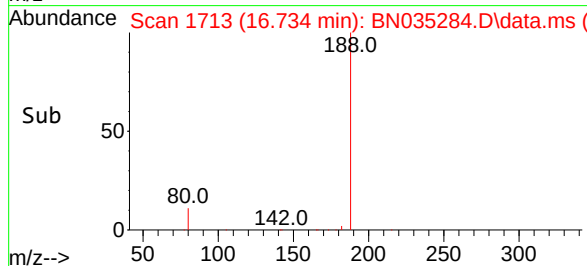
Instrument :
BNA_N
ClientSampleId :
ICVBN112524



Tgt Ion:188 Resp: 5748
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.9 8.9 13.3

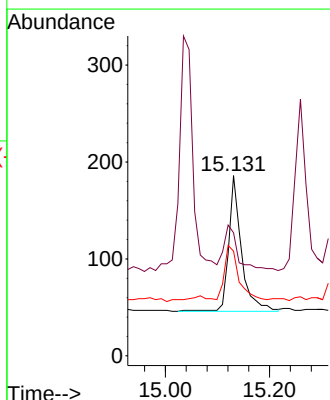
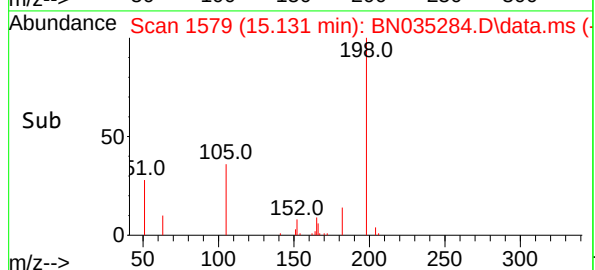
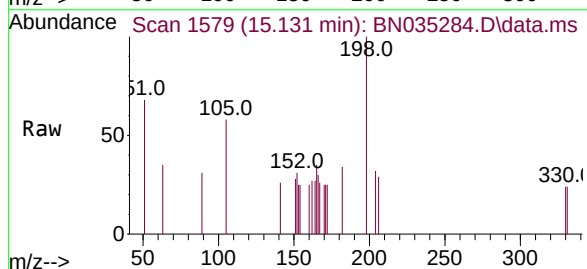
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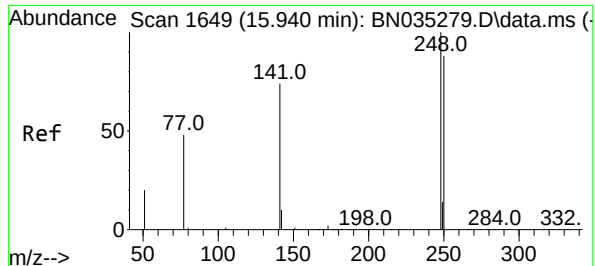
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#20
4,6-Dinitro-2-methylphenol
Concen: 0.477 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

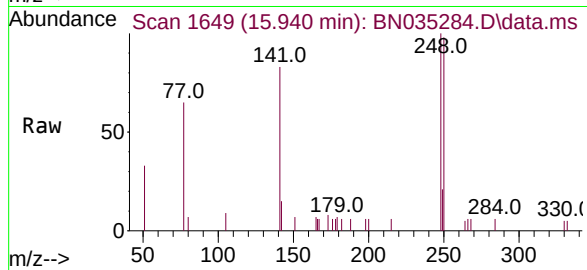
Tgt Ion:198 Resp: 239
Ion Ratio Lower Upper
198 100
51 68.3 53.6 80.4
105 58.1 47.4 71.2





#21
4-Bromophenyl-phenylether
Concen: 0.364 ng
RT: 15.940 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

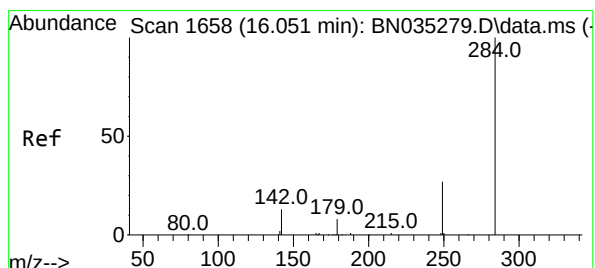
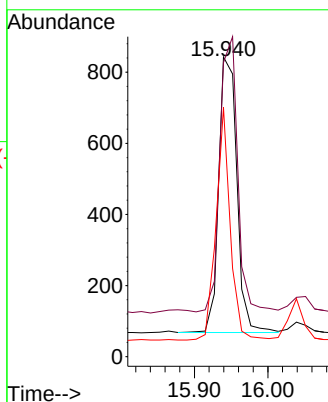
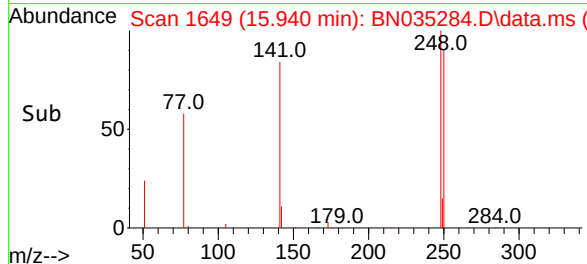
Instrument :
BNA_N
ClientSampleId :
ICVBN112524



Tgt Ion:248 Resp: 1328
Ion Ratio Lower Upper
248 100
250 98.1 74.8 112.2
141 83.2 59.0 88.4

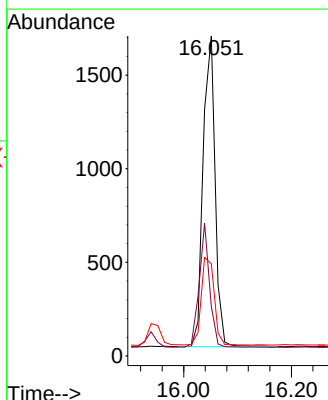
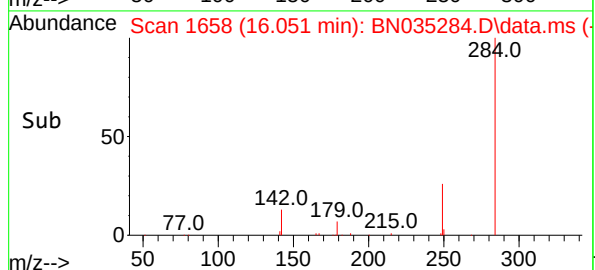
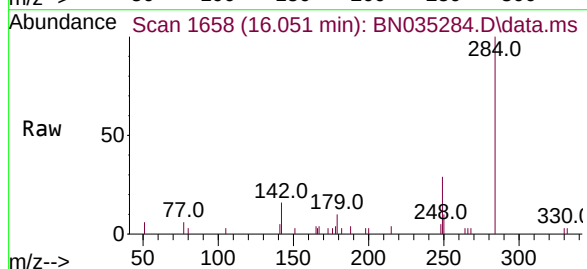
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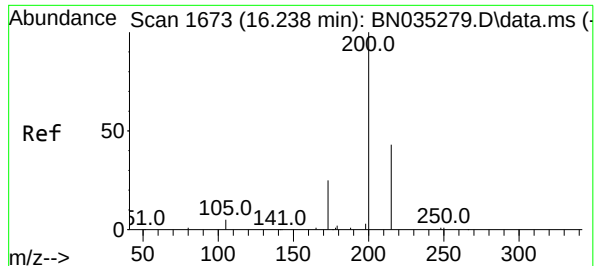
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#22
Hexachlorobenzene
Concen: 0.491 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:284 Resp: 2564
Ion Ratio Lower Upper
284 100
142 35.1 28.7 43.1
249 30.5 25.4 38.0





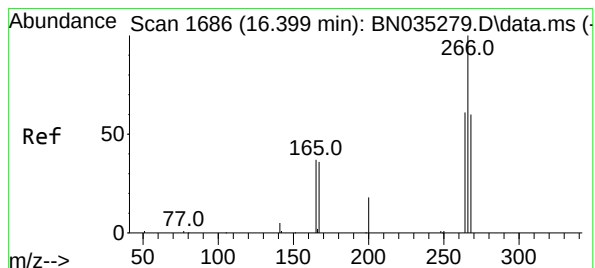
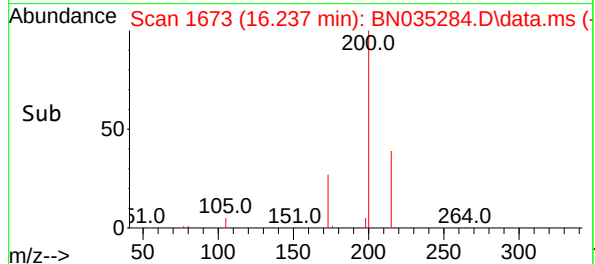
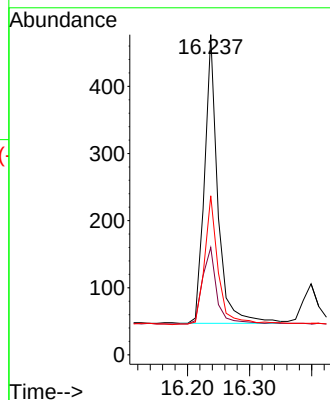
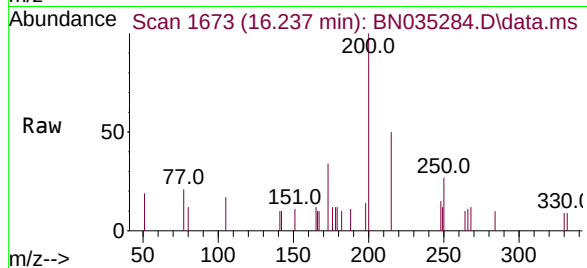
#23
Atrazine
Concen: 0.419 ng
RT: 16.237 min Scan# 1673
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:200 Resp: 64.0
Ion Ratio Lower Upper
200 100
173 33.5 25.8 38.8
215 49.7 38.6 58.0

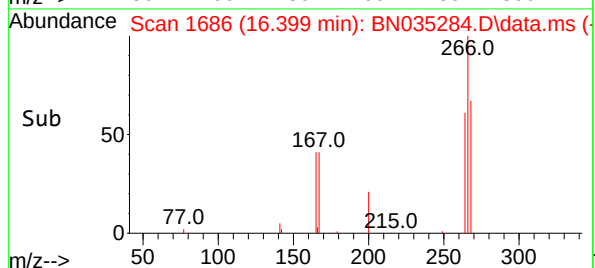
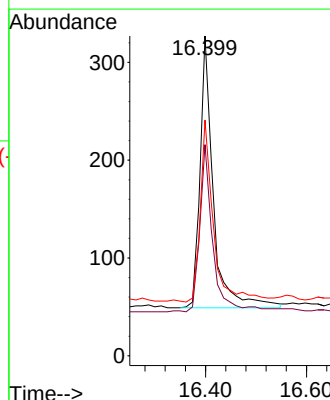
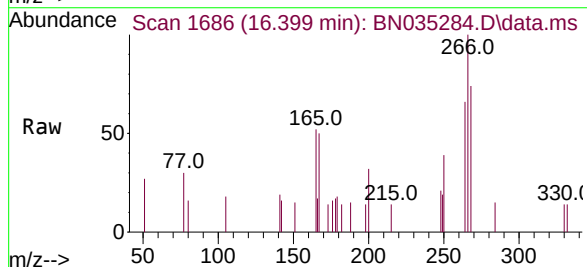
Manual Integrations
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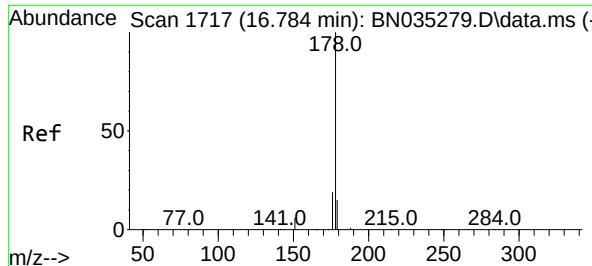
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#24
Pentachlorophenol
Concen: 0.407 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:266 Resp: 510
Ion Ratio Lower Upper
266 100
264 59.8 49.3 73.9
268 66.9 48.6 73.0





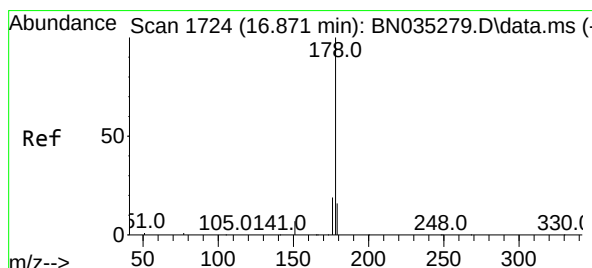
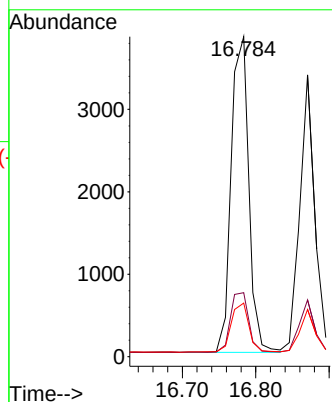
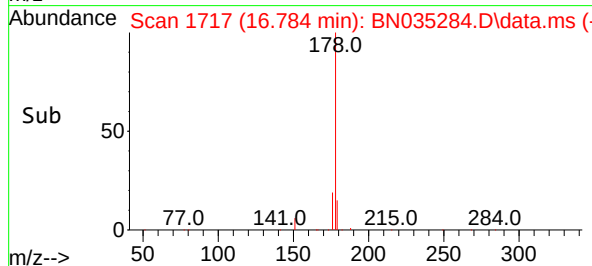
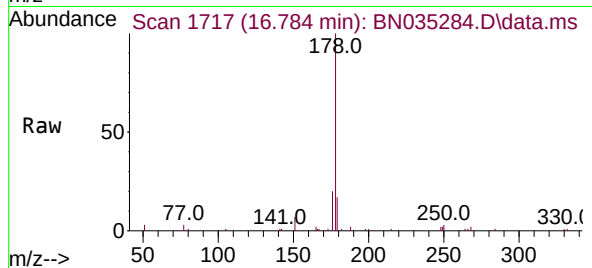
#25
Phenanthrene
Concen: 0.362 ng
RT: 16.784 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:178 Resp: 6385
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.8 12.6 18.8

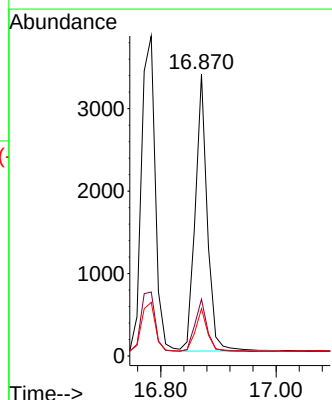
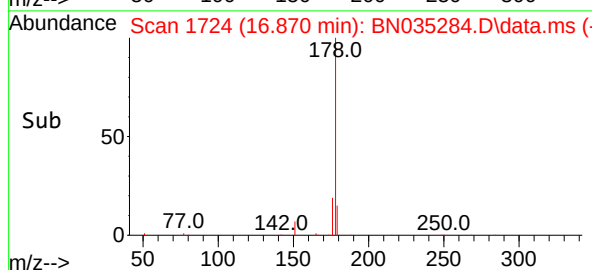
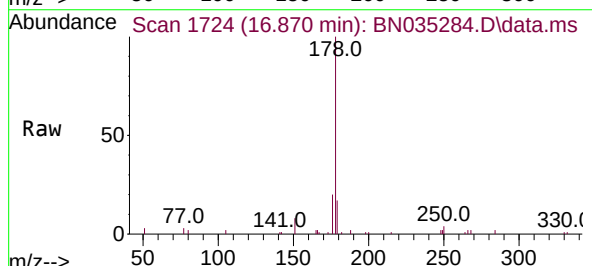
Manual Integrations
APPROVED

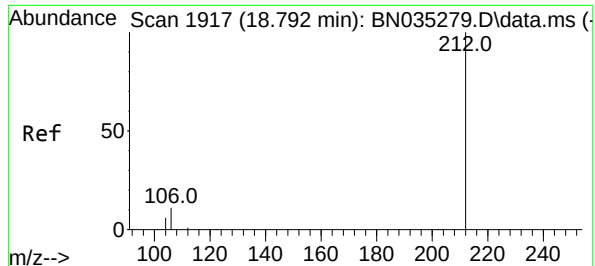
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#26
Anthracene
Concen: 0.320 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:178 Resp: 4852
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.4
179 15.5 12.4 18.6





#27

Fluoranthene-d10

Concen: 0.343 ng m

RT: 18.792 min Scan# 1917

Delta R.T. -0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

Instrument :

BNA_N

ClientSampleId :

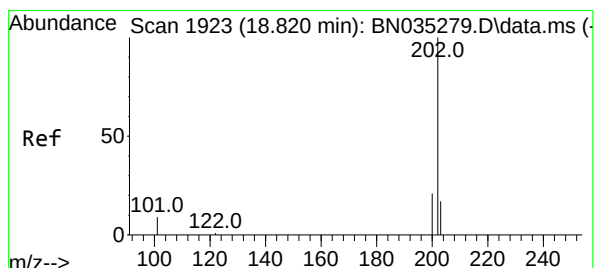
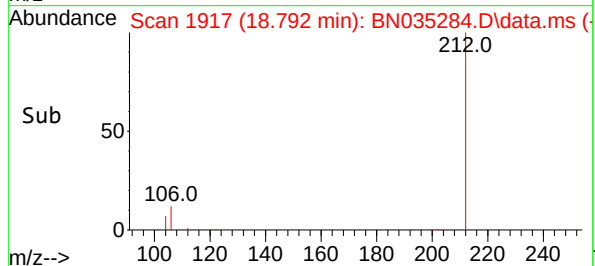
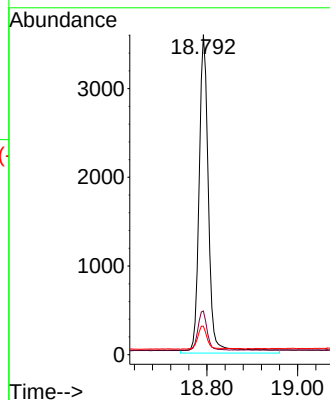
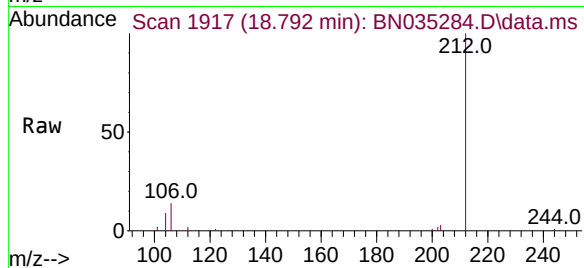
ICVBN112524

Tgt Ion:	212	Resp:	5270
Ion	Ratio	Lower	Upper
212	100		
106	11.8	9.8	14.8
104	7.3	5.6	8.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#28

Fluoranthene

Concen: 0.300 ng

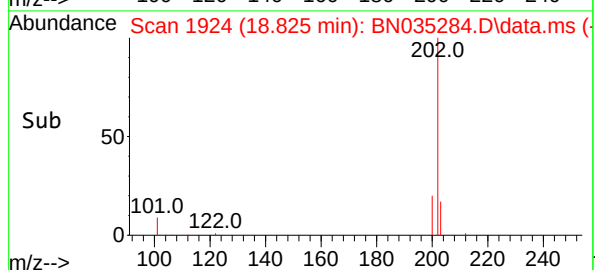
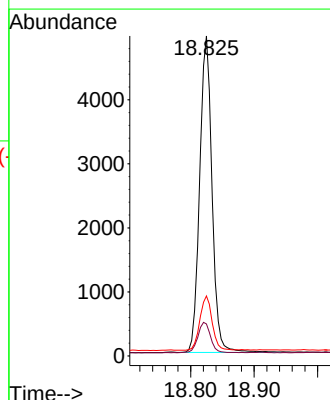
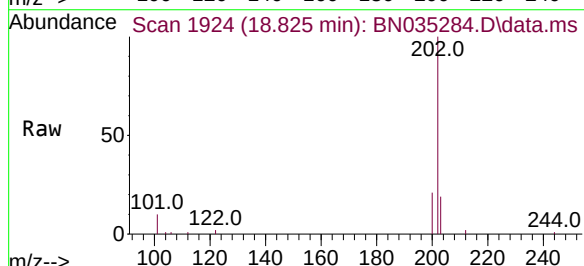
RT: 18.825 min Scan# 1924

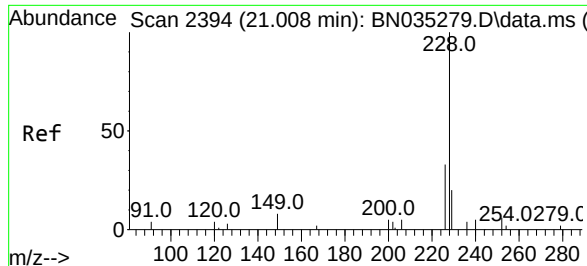
Delta R.T. 0.005 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

Tgt Ion:	202	Resp:	6686
Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.6	11.4
203	17.1	13.8	20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035284.D

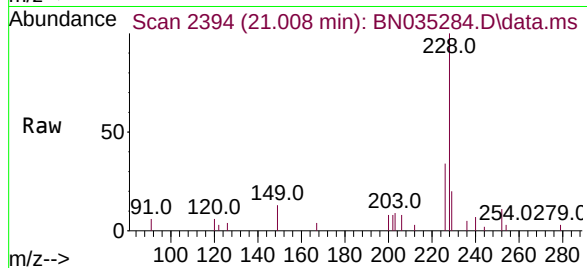
Acq: 25 Nov 2024 14:29

Instrument :

BNA_N

ClientSampleId :

ICVBN112524



Tgt Ion: 240 Resp: 61

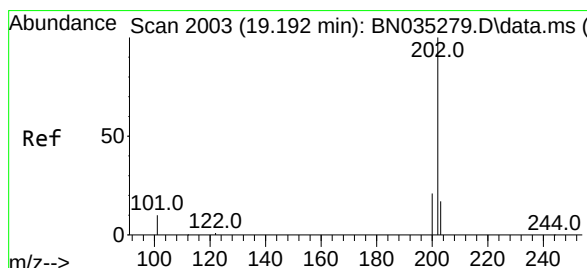
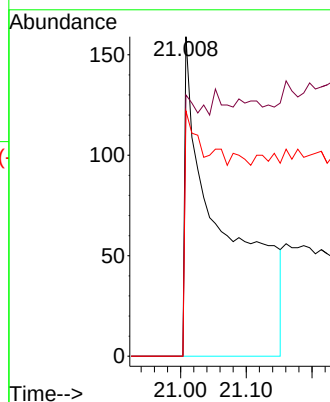
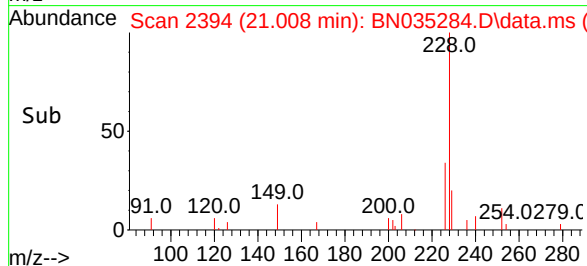
Ion	Ratio	Lower	Upper
240	100		
120	81.8	54.9	82.3
236	76.7	54.0	81.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#30

Pyrene

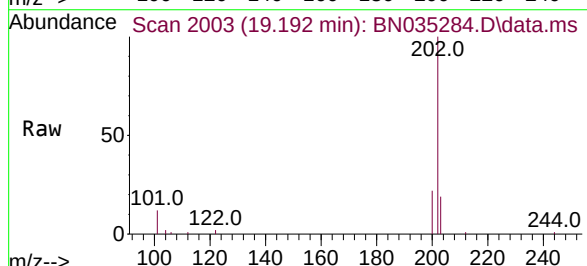
Concen: 0.294 ng

RT: 19.192 min Scan# 2003

Delta R.T. -0.000 min

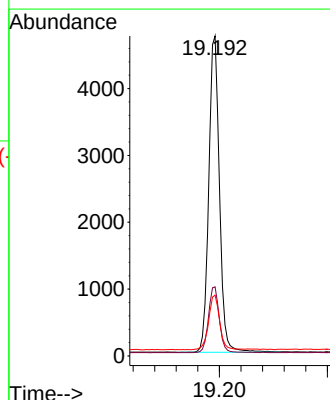
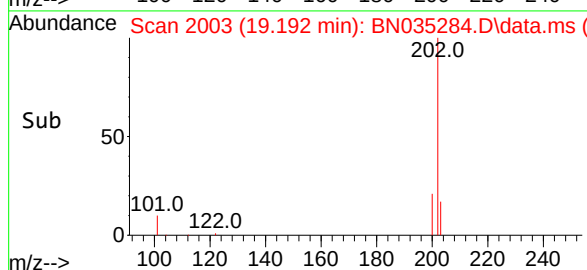
Lab File: BN035284.D

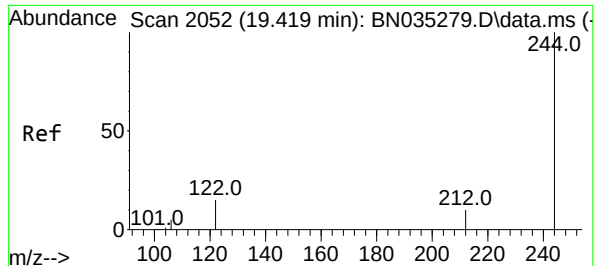
Acq: 25 Nov 2024 14:29



Tgt Ion: 202 Resp: 6525

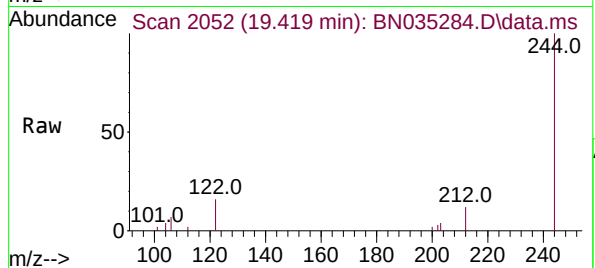
Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.9	14.4	21.6





#31
Terphenyl-d14
Concen: 0.282 ng
RT: 19.419 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

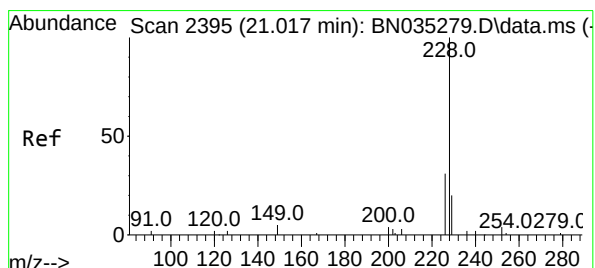
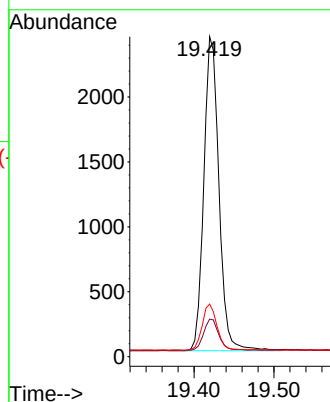
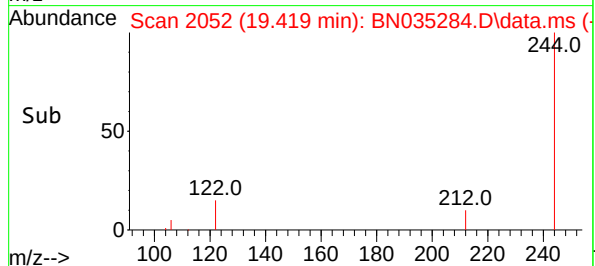
Instrument :
BNA_N
ClientSampleId :
ICVBN112524



Tgt Ion:244 Resp: 318
Ion Ratio Lower Upper
244 100
212 11.8 9.4 14.0
122 16.4 13.0 19.4

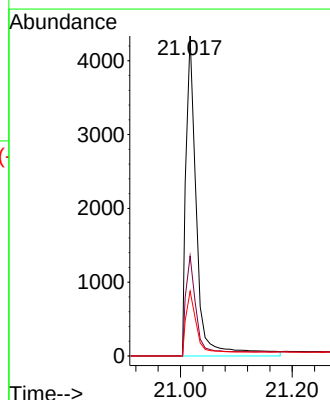
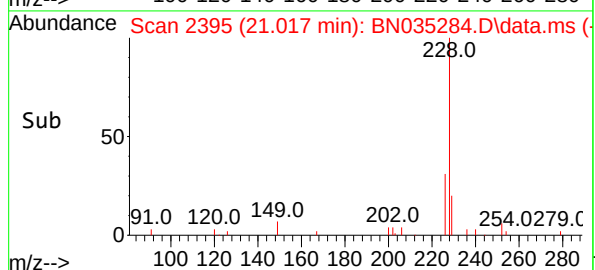
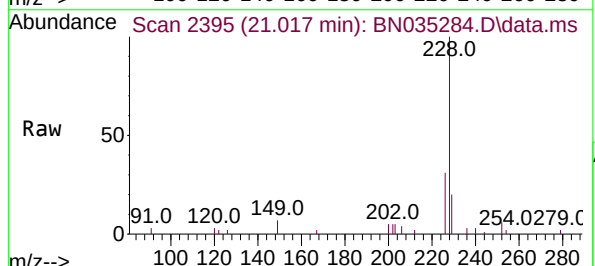
Manual Integrations
APPROVED

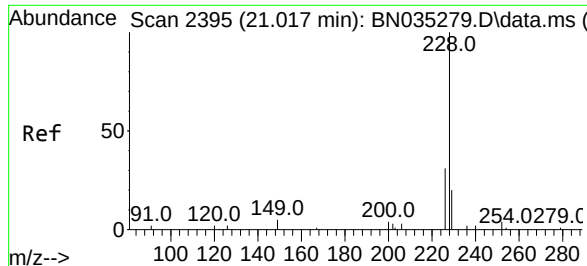
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#32
Benzo(a)anthracene
Concen: 0.273 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:228 Resp: 5799
Ion Ratio Lower Upper
228 100
226 31.3 24.7 37.1
229 20.3 16.2 24.2





#33

Chrysene

Concen: 0.273 ng

RT: 21.017 min Scan# 2395

Delta R.T. -0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

Instrument :

BNA_N

ClientSampleId :

ICVBN112524

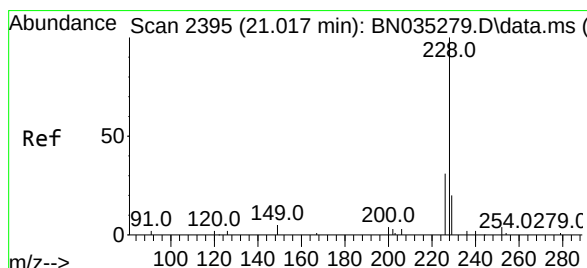
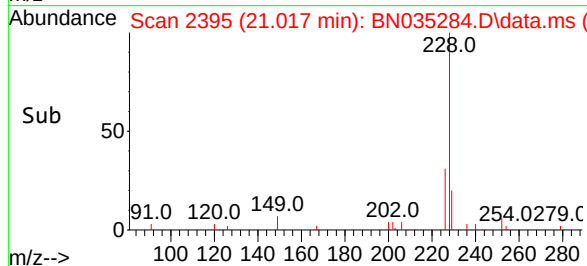
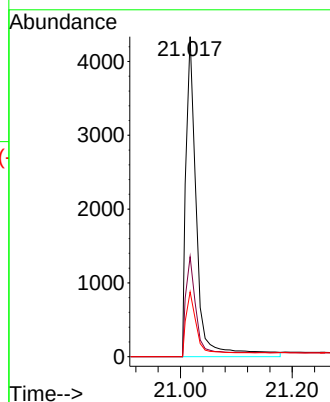
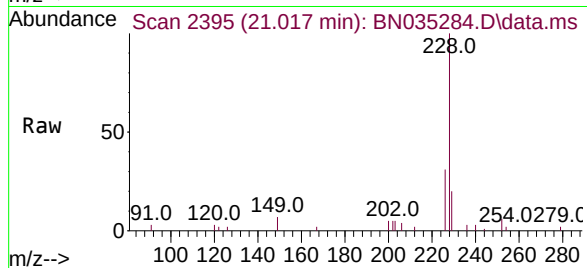
Tgt Ion:228	Resp:	579
Ion Ratio	Lower	Upper
228	100	
226	31.3	24.7 37.1
229	20.3	16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.041 ng

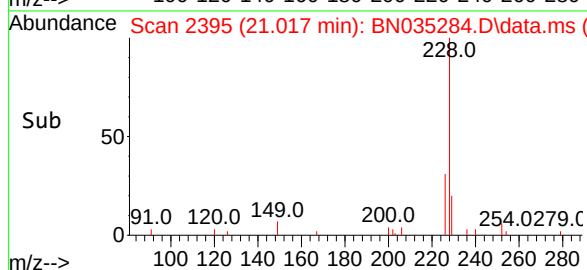
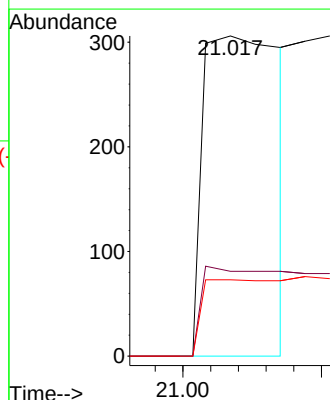
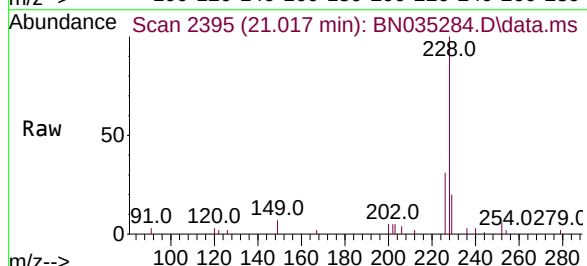
RT: 21.017 min Scan# 2395

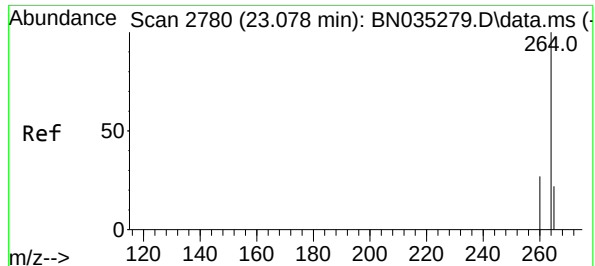
Delta R.T. 0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

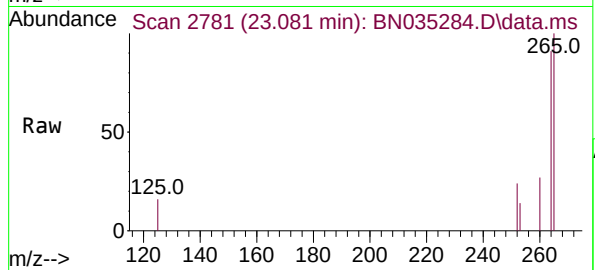
Tgt Ion:149	Resp:	520
Ion Ratio	Lower	Upper
149	100	
167	35.4	0.0 0.0#
279	17.1	13.0 19.6





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

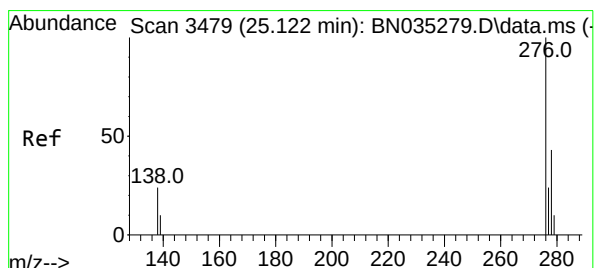
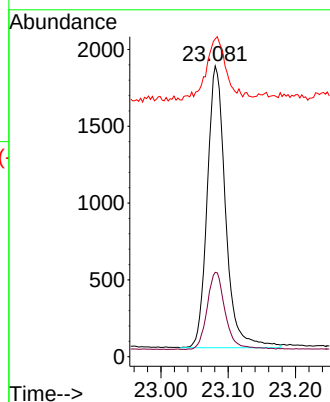
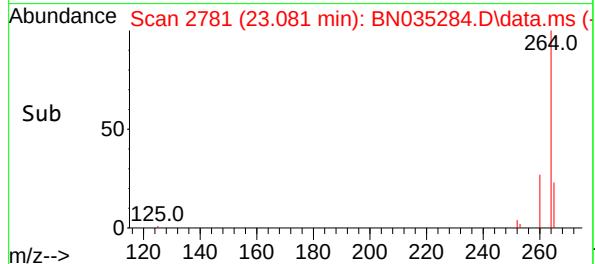
Instrument :
BNA_N
ClientSampleId :
ICVBN112524



Tgt Ion:264 Resp: 3470
Ion Ratio Lower Upper
264 100
260 29.0 22.3 33.5
265 109.3 68.6 103.0

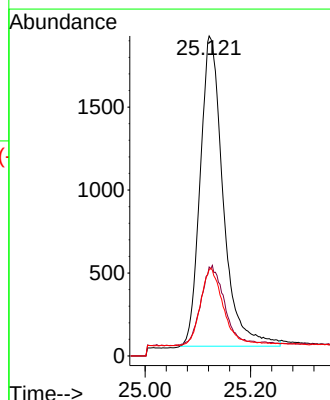
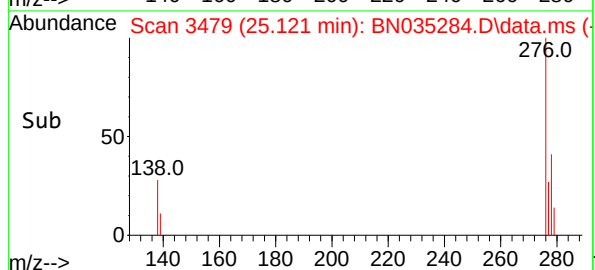
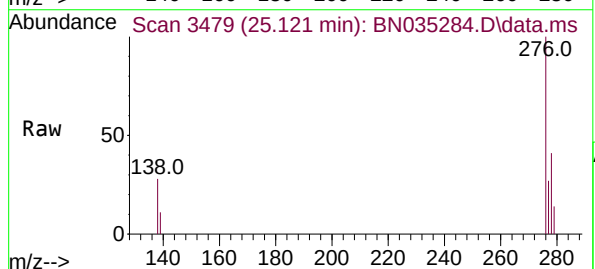
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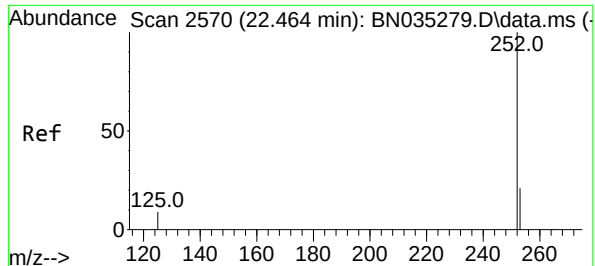
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.398 ng
RT: 25.121 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:276 Resp: 5652
Ion Ratio Lower Upper
276 100
138 23.1 18.8 28.2
277 23.0 18.2 27.4





#37

Benzo(b)fluoranthene

Concen: 0.355 ng

RT: 22.464 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

Instrument :

BNA_N

ClientSampleId :

ICVBN112524

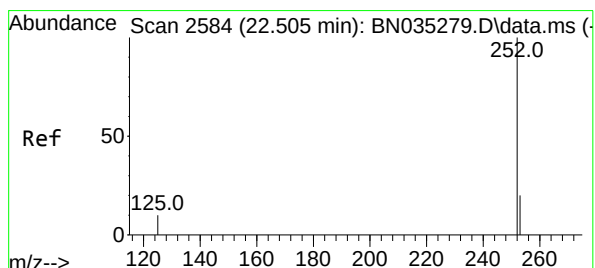
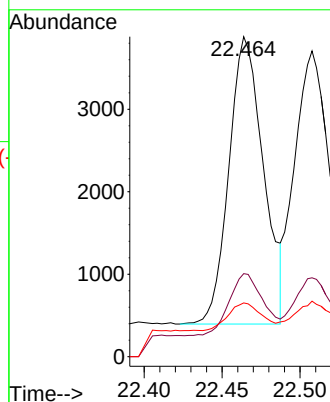
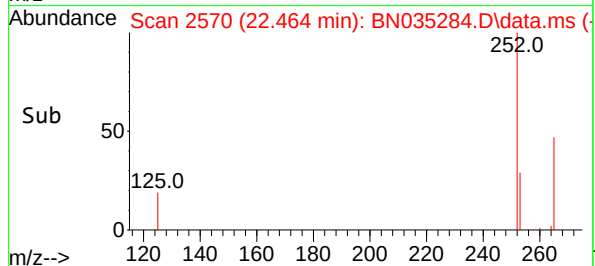
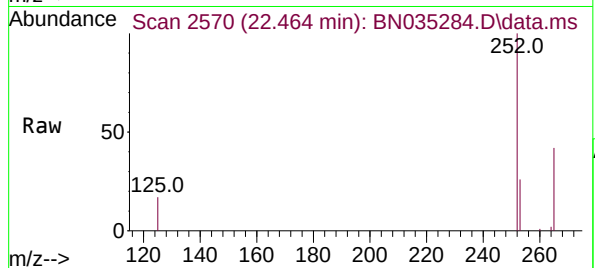
Tgt Ion:252	Resp:	5358
Ion Ratio	Lower	Upper
252	100	
253	26.0	20.2 30.2
125	16.8	12.0 18.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#38

Benzo(k)fluoranthene

Concen: 0.348 ng

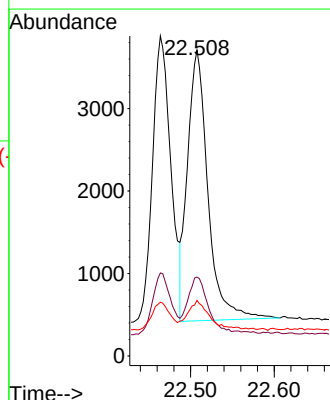
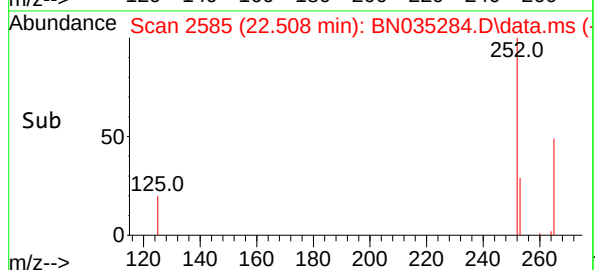
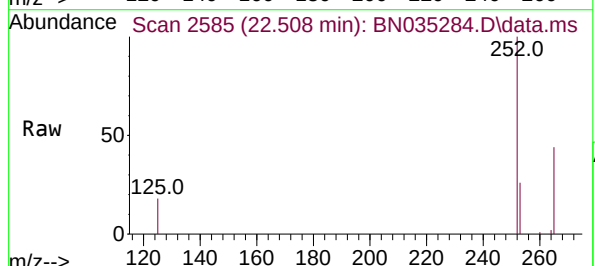
RT: 22.508 min Scan# 2585

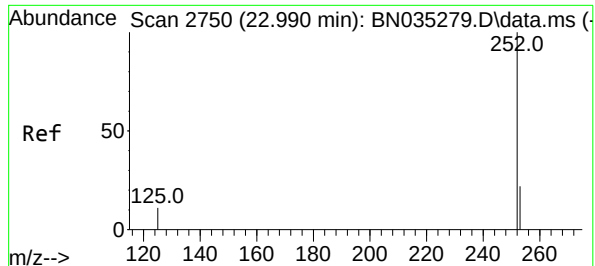
Delta R.T. 0.003 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

Tgt Ion:252	Resp:	5559
Ion Ratio	Lower	Upper
252	100	
253	25.8	20.1 30.1
125	18.1	12.7 19.1





#39

Benzo(a)pyrene

Concen: 0.361 ng

RT: 22.990 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

Instrument :

BNA_N

ClientSampleId :

ICVBN112524

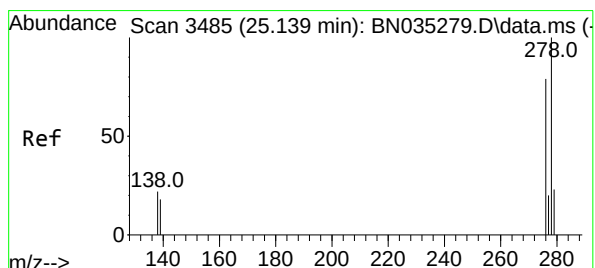
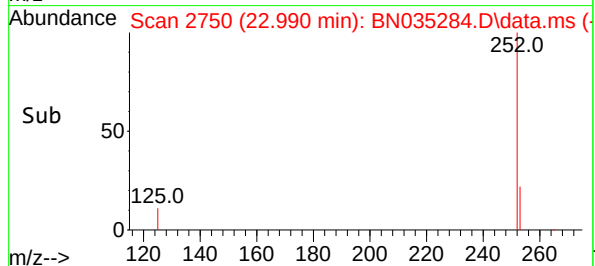
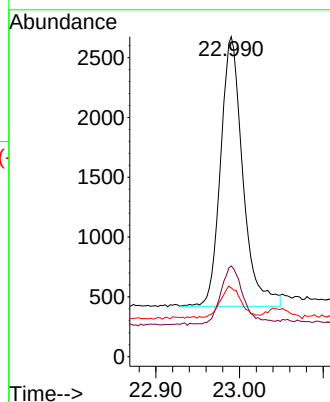
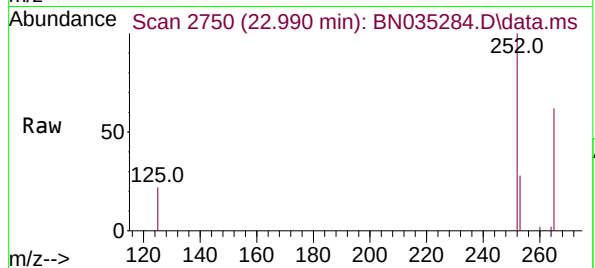
Tgt Ion:	252	Resp:	416
Ion Ratio	Lower	Upper	
252	100		
253	28.3	22.3	33.5
125	21.5	15.3	22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.389 ng

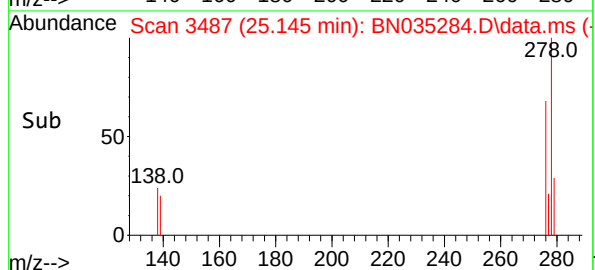
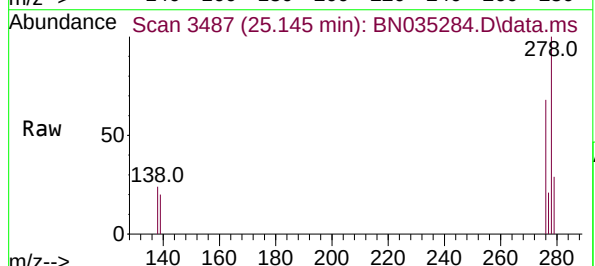
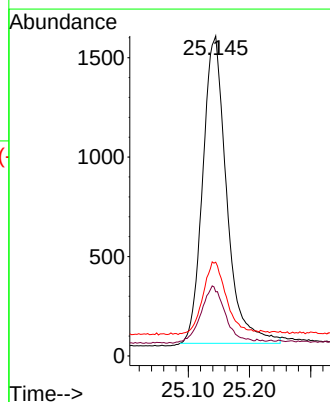
RT: 25.145 min Scan# 3487

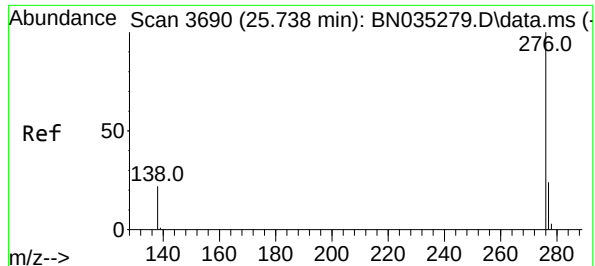
Delta R.T. 0.006 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

Tgt Ion:	278	Resp:	4182
Ion Ratio	Lower	Upper	
278	100		
139	20.1	17.0	25.6
279	29.3	23.0	34.4





#41

Benzo(g,h,i)perylene

Concen: 0.412 ng

RT: 25.738 min Scan# 30

Delta R.T. -0.000 min

Lab File: BN035284.D

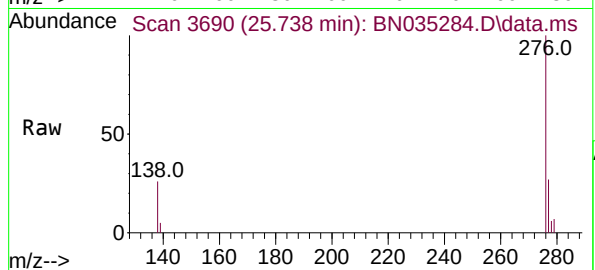
Acq: 25 Nov 2024 14:29

Instrument :

BNA_N

ClientSampleId :

ICVBN112524



Tgt Ion:276 Resp: 512

Ion Ratio Lower Upper

276 100

277 26.8 21.1 31.7

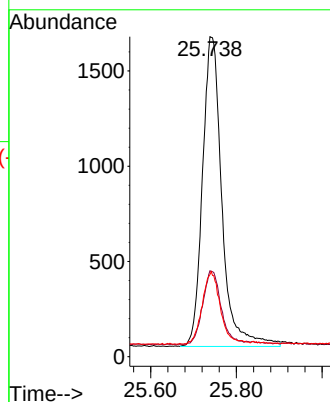
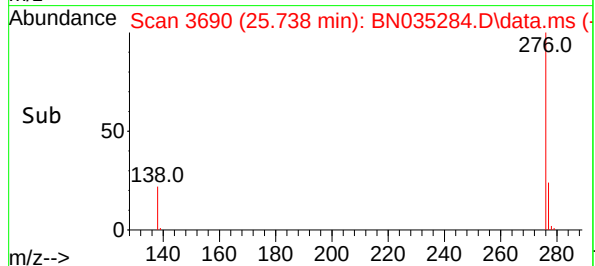
138 25.7 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035284.D
 Acq On : 25 Nov 2024 14:29
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112524

Quant Time: Nov 25 22:35:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 25 14:32:52 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	115	0.00
2	1,4-Dioxane	0.288	0.274	4.9	109	0.00
3	n-Nitrosodimethylamine	0.298	0.321	-7.7	130	0.00
4 S	2-Fluorophenol	0.756	0.680	10.1	99	0.00
5 S	Phenol-d6	1.056	0.919	13.0	95	0.00
6	bis(2-Chloroethyl)ether	0.889	0.846	4.8	108	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
8 S	Nitrobenzene-d5	0.324	0.381	-17.6	115	0.00
9	Naphthalene	1.110	1.068	3.8	103	0.00
10	Hexachlorobutadiene	0.312	0.345	-10.6	116	0.00
11 SURR	2-Methylnaphthalene-d10	0.560	0.471	15.9	92	0.00
12	2-Methylnaphthalene	0.726	0.589	18.9	91	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	90	0.00
14 S	2,4,6-Tribromophenol	0.204	0.205	-0.5	103	0.00
15 S	2-Fluorobiphenyl	0.221	0.257	-16.3	95	0.00
16	Acenaphthylene	2.013	1.946	3.3	93	0.00
17	Acenaphthene	1.267	1.214	4.2	93	0.00
18	Fluorene	1.777	1.577	11.3	87	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	83	0.00
20	4,6-Dinitro-2-methylphenol	0.041	0.042	-2.4	103	0.00
21	4-Bromophenyl-phenylether	0.254	0.231	9.1	82	0.00
22	Hexachlorobenzene	0.363	0.446	-22.9	106	0.00
23	Atrazine	0.107	0.112	-4.7	93	0.00
24	Pentachlorophenol	0.087	0.089	-2.3	94	0.00
25	Phenanthrene	1.229	1.111	9.6	82	0.00
26	Anthracene	1.055	0.844	20.0	77	0.00
27 SURR	Fluoranthene-d10	1.070	0.917	14.3	79	0.00
28	Fluoranthene	1.550	1.163	25.0	72	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	104	0.00
30	Pyrene	14.551	10.679	26.6#	73	0.00
31 S	Terphenyl-d14	7.392	5.216	29.4#	75	0.00
32	Benzo(a)anthracene	13.920	9.491	31.8#	72	0.00
33	Chrysene	13.920	9.491	31.8#	72	0.00
34	Bis(2-ethylhexyl)phthalate	0.765	0.851	-11.2	98	0.00
35 I	Perylene-d12	1.000	1.000	0.0	74	0.00
36	Indeno(1,2,3-cd)pyrene	1.638	1.629	0.5	79	0.00
37	Benzo(b)fluoranthene	1.738	1.544	11.2	79	0.00
38	Benzo(k)fluoranthene	1.839	1.602	12.9	73	0.00
39 C	Benzo(a)pyrene	1.329	1.201	9.6	78	0.00
40	Dibenzo(a,h)anthracene	1.238	1.205	2.7	81	0.00
41	Benzo(g,h,i)perylene	1.432	1.476	-3.1	88	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

ClientSampleId :

ICVBN112524

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035284.D
 Acq On : 25 Nov 2024 14:29
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112524

Quant Time: Nov 25 22:35:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 25 14:32:52 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	115	0.00
2	1,4-Dioxane	0.400	0.381	4.8	109	0.00
3	n-Nitrosodimethylamine	0.400	0.431	-7.7	130	0.00
4 S	2-Fluorophenol	0.400	0.360	10.0	99	0.00
5 S	Phenol-d6	0.400	0.348	13.0	95	0.00
6	bis(2-Chloroethyl)ether	0.400	0.381	4.8	108	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	105	0.00
8 S	Nitrobenzene-d5	0.400	0.469	-17.2	115	0.00
9	Naphthalene	0.400	0.385	3.8	103	0.00
10	Hexachlorobutadiene	0.400	0.442	-10.5	116	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.337	15.8	92	0.00
12	2-Methylnaphthalene	0.400	0.325	18.8	91	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	90	0.00
14 S	2,4,6-Tribromophenol	0.400	0.402	-0.5	103	0.00
15 S	2-Fluorobiphenyl	0.400	0.465	-16.3	95	0.00
16	Acenaphthylene	0.400	0.387	3.3	93	0.00
17	Acenaphthene	0.400	0.383	4.3	93	0.00
18	Fluorene	0.400	0.355	11.3	87	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	83	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.477	-19.2	103	0.00
21	4-Bromophenyl-phenylether	0.400	0.364	9.0	82	0.00
22	Hexachlorobenzene	0.400	0.491	-22.7	106	0.00
23	Atrazine	0.400	0.419	-4.7	93	0.00
24	Pentachlorophenol	0.400	0.407	-1.7	94	0.00
25	Phenanthrene	0.400	0.362	9.5	82	0.00
26	Anthracene	0.400	0.320	20.0	77	0.00
27 SURR	Fluoranthene-d10	0.400	0.343	14.2	79	0.00
28	Fluoranthene	0.400	0.300	25.0#	72	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	104	0.00
30	Pyrene	0.400	0.294	26.5#	73	0.00
31 S	Terphenyl-d14	0.400	0.282	29.5#	75	0.00
32	Benzo(a)anthracene	0.400	0.273	31.8#	72	0.00
33	Chrysene	0.400	0.273	31.8#	72	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.041	89.8#	98	0.00
35 I	Perylene-d12	0.400	0.400	0.0	74	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.398	0.5	79	0.00
37	Benzo(b)fluoranthene	0.400	0.355	11.3	79	0.00
38	Benzo(k)fluoranthene	0.400	0.348	13.0	73	0.00
39 C	Benzo(a)pyrene	0.400	0.361	9.8	78	0.00
40	Dibenzo(a,h)anthracene	0.400	0.389	2.8	81	0.00
41	Benzo(g,h,i)perylene	0.400	0.412	-3.0	88	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

ClientSampleId :

ICVBN112524



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06
 Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG No.: P4959
 Instrument ID: BNA_N Calibration Date(s): 11/27/2024 11/27/2024
 Calibration Time(s): 15:34 19:09

LAB FILE ID:		RRF0.1 = BN035350.D			RRF0.2 = BN035351.D		RRF0.4 = BN035352.D	
		RRF0.8 = BN035353.D			RRF1.6 = BN035354.D		RRF3.2 = BN035355.D	
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.591	0.603	0.619	0.615	0.659	0.639	0.626	4.2
Fluoranthene-d10	1.203	1.086	1.077	1.105	1.165	1.138	1.134	4.1
2-Fluorophenol	1.025	1.112	1.018	0.958	0.998	0.954	1.001	5.9
Phenol-d6	1.227	1.186	1.193	1.143	1.235	1.215	1.204	2.7
Nitrobenzene-d5	0.227	0.232	0.235	0.248	0.257	0.251	0.244	5.3
2-Fluorobiphenyl	1.489	1.491	1.510	1.508	1.566	1.511	1.512	1.7
2,4,6-Tribromophenol	0.273	0.258	0.257	0.268	0.293	0.311	0.284	9.7
Terphenyl-d14	0.832	0.777	0.791	0.771	0.812	0.772	0.789	3.1
1,4-Dioxane	0.406	0.417	0.376	0.380	0.392	0.357	0.382	6.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN112724.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Nov 27 23:03:24 2024
 Response Via : Initial Calibration

Calibration Files

0.1 =BN035350.D 0.2 =BN035351.D 0.4 =BN035352.D 0.8 =BN035353.D 1.6 =BN035354.D 3.2 =BN035355.D 5.0 =BN035356.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.406	0.417	0.376	0.380	0.392	0.357	0.348	0.382	6.52
3)	n-Nitrosodimet...	0.334	0.302	0.326	0.315	0.332	0.310	0.309	0.319	3.92
4) S	2-Fluorophenol	1.025	1.112	1.018	0.958	0.998	0.954	0.942	1.001	5.88
5) S	Phenol-d6	1.227	1.186	1.193	1.143	1.235	1.215	1.229	1.204	2.69
6)	bis(2-Chloroet...	1.035	1.021	0.992	0.993	1.051	0.997	0.991	1.012	2.39
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.227	0.232	0.235	0.248	0.257	0.251	0.261	0.244	5.31
9)	Naphthalene	1.062	1.029	1.047	1.032	1.096	1.049	1.070	1.055	2.22
10)	Hexachlorobuta...	0.245	0.242	0.247	0.241	0.255	0.236	0.238	0.243	2.60
11) SURR2	Methylnaphth...	0.591	0.603	0.619	0.615	0.659	0.639	0.656	0.626	4.16
12)	2-Methylnaphth...	0.724	0.716	0.740	0.747	0.795	0.771	0.795	0.755	4.25
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.273	0.258	0.257	0.268	0.293	0.311	0.328	0.284	9.67
15) S	2-Fluorobiphenyl	1.489	1.491	1.510	1.508	1.566	1.511	1.511	1.512	1.68
16)	Acenaphthylene	1.643	1.600	1.595	1.638	1.737	1.763	1.781	1.680	4.68
17)	Acenaphthene	1.121	1.084	1.086	1.108	1.145	1.122	1.140	1.115	2.17
18)	Fluorene	1.589	1.549	1.543	1.600	1.652	1.614	1.625	1.596	2.47
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.038	0.031	0.036	0.041	0.051			0.039	19.30
21)	4-Bromophenyl-...	0.226	0.218	0.226	0.233	0.249	0.242	0.244	0.234	4.85
22)	Hexachlorobenzene	0.265	0.266	0.273	0.276	0.288	0.278	0.277	0.275	2.82
23)	Atrazine	0.155	0.155	0.154	0.156	0.175	0.179	0.191	0.167	8.98
24)	Pentachlorophenol	0.140	0.090	0.095	0.103	0.121	0.136	0.150	0.120	19.86
25)	Phenanthrene	1.092	1.046	1.067	1.092	1.148	1.121	1.125	1.099	3.20
26)	Anthracene	0.964	0.923	0.940	0.973	1.050	1.042	1.064	0.994	5.76
27) SURR	Fluoranthene-d10	1.203	1.086	1.077	1.105	1.165	1.138	1.164	1.134	4.10
28)	Fluoranthene	1.538	1.396	1.416	1.456	1.539	1.497	1.526	1.481	3.99
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.583	1.445	1.475	1.443	1.519	1.440	1.431	1.477	3.79
31) S	Terphenyl-d14	0.832	0.777	0.791	0.771	0.812	0.772	0.769	0.789	3.08
32)	Benzo(a)anthra...	1.431	1.343	1.355	1.375	1.451	1.411	1.429	1.399	2.98
33)	Chrysene	1.463	1.452	1.441	1.415	1.487	1.422	1.420	1.443	1.84
34)	Bis(2-ethylhex...	0.710	0.558	0.516	0.505	0.520	0.516	0.544	0.553	12.96
35) I	Perylene-d12	-----ISTD-----								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

Method File : 8270-SIM-BN112724.M

36)	Indeno(1,2,3-c...	1.411	1.489	1.532	1.554	1.660	1.615	1.685	1.564	6.22
37)	Benzo(b)fluora...	1.305	1.348	1.313	1.378	1.827	1.463	1.608	1.463	13.12
38)	Benzo(k)fluora...	1.444	1.376	1.402	1.419	1.527	1.447	1.468	1.440	3.39
39) C	Benzo(a)pyrene	1.204	1.156	1.146	1.171	1.256	1.232	1.271	1.205	4.11
40)	Dibenzo(a,h)an...	1.104	1.187	1.194	1.226	1.315	1.280	1.332	1.234	6.55
41)	Benzo(g,h,i)pe...	1.188	1.238	1.248	1.269	1.360	1.330	1.394	1.289	5.71

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035350.D
 Acq On : 27 Nov 2024 15:34
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024

Quant Time: Nov 27 22:52:09 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 27 22:48:24 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2237	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5753	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	4077	0.400	ng	0.00
19) Phenanthrene-d10	16.736	188	10855	0.400	ng	0.00
29) Chrysene-d12	20.974	240	11269	0.400	ng	0.00
35) Perylene-d12	23.067	264	13004	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	573	0.101	ng	0.00
5) Phenol-d6	6.513	99	686	0.096	ng	0.00
8) Nitrobenzene-d5	8.450	82	327m	0.065	ng	0.01
11) 2-Methylnaphthalene-d10	11.661	152	850	0.083	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	278	0.095	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	1518	0.092	ng	0.00
27) Fluoranthene-d10	18.785	212	3265	0.098	ng	0.00
31) Terphenyl-d14	19.412	244	2344	0.099	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	227	0.112	ng	# 87
3) n-Nitrosodimethylamine	3.299	42	187	0.099	ng	# 90
6) bis(2-Chloroethyl)ether	6.759	93	579	0.108	ng	98
9) Naphthalene	10.105	128	1527	0.102	ng	# 91
10) Hexachlorobutadiene	10.404	225	352	0.080	ng	# 97
12) 2-Methylnaphthalene	11.737	142	1042	0.094	ng	96
16) Acenaphthylene	13.679	152	1675	0.096	ng	100
17) Acenaphthene	14.031	154	1143	0.100	ng	99
18) Fluorene	15.026	166	1620	0.096	ng	98
20) 4,6-Dinitro-2-methylph...	15.133	198	103	0.046	ng	# 29
21) 4-Bromophenyl-phenylether	15.941	248	612	0.088	ng	# 94
22) Hexachlorobenzene	16.041	284	720	0.100	ng	97
23) Atrazine	16.227	200	421	0.068	ng	# 86
24) Pentachlorophenol	16.401	266	381	0.114	ng	90
25) Phenanthrene	16.773	178	2963	0.104	ng	99
26) Anthracene	16.860	178	2617	0.100	ng	98
28) Fluoranthene	18.817	202	4173	0.106	ng	99
30) Pyrene	19.184	202	4461	0.119	ng	100
32) Benzo(a)anthracene	20.956	228	4031	0.103	ng	99
33) Chrysene	21.010	228	4123	0.106	ng	97
34) Bis(2-ethylhexyl)phtha...	20.929	149	1999	0.097	ng	99
36) Indeno(1,2,3-cd)pyrene	25.105	276	4586	0.088	ng	97
37) Benzo(b)fluoranthene	22.456	252	4243	0.097	ng	# 82
38) Benzo(k)fluoranthene	22.494	252	4695m	0.107	ng	
39) Benzo(a)pyrene	22.977	252	3913	0.102	ng	# 69
40) Dibenzo(a,h)anthracene	25.126	278	3588	0.087	ng	# 86
41) Benzo(g,h,i)perylene	25.725	276	3863	0.088	ng	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

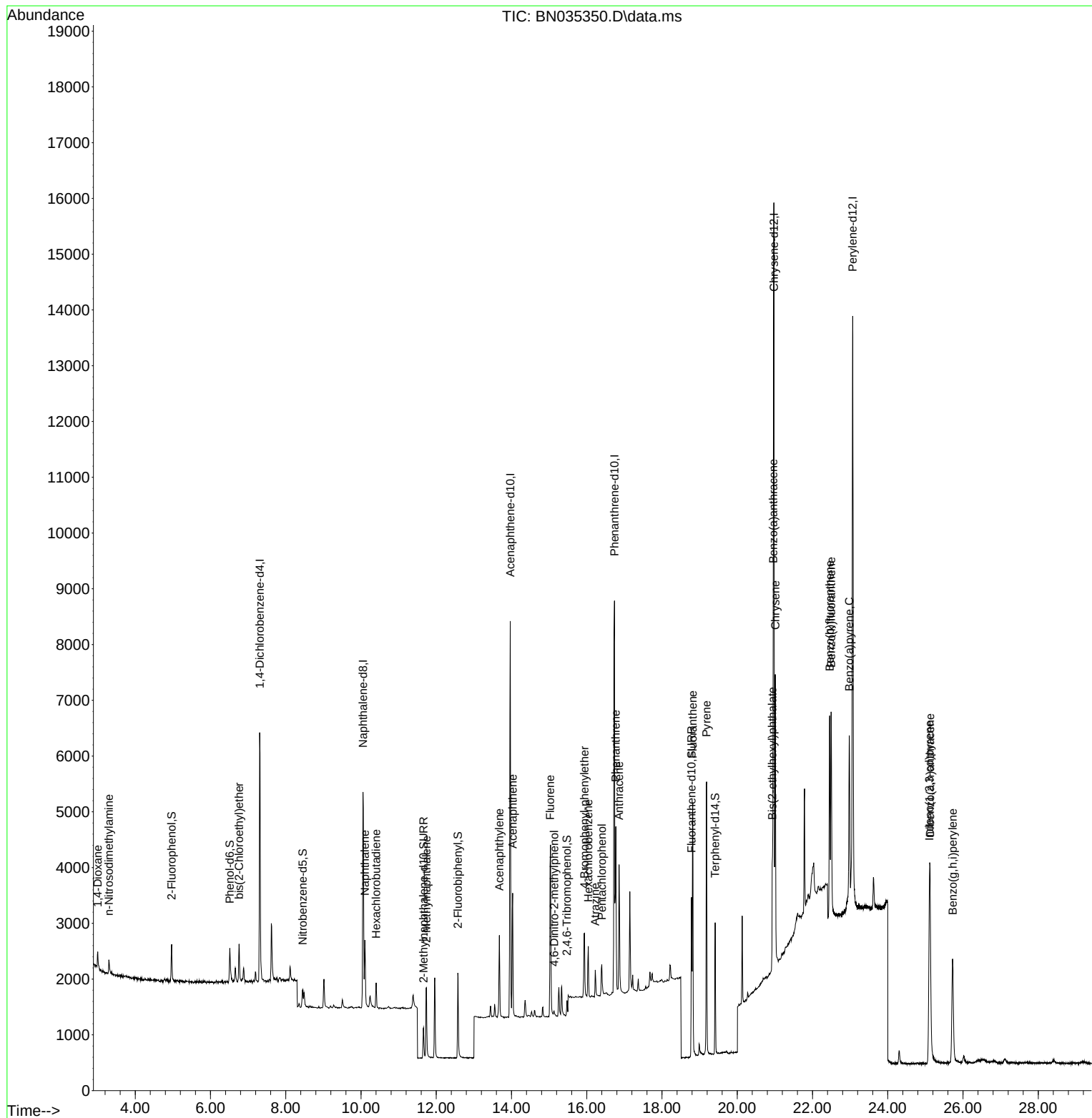
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Data File : BN035350.D
Acq On : 27 Nov 2024 15:34
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

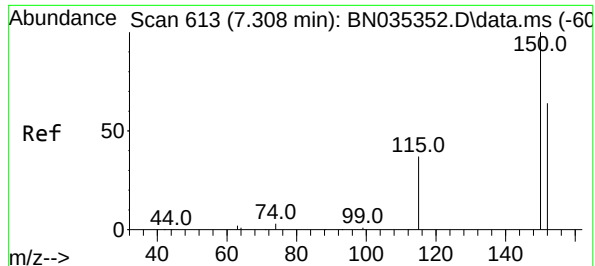
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Nov 27 22:52:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

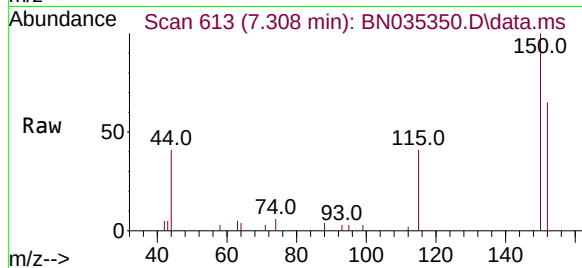
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 613
Delta R.T. -0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

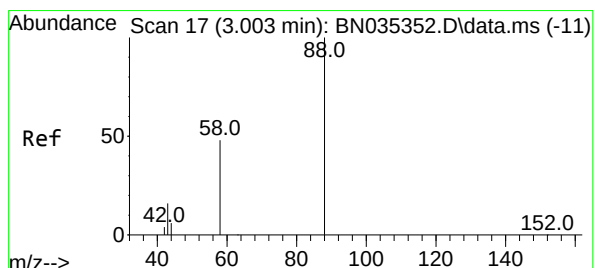
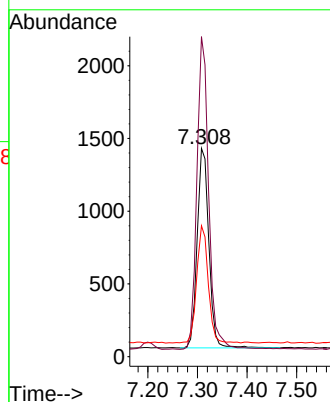
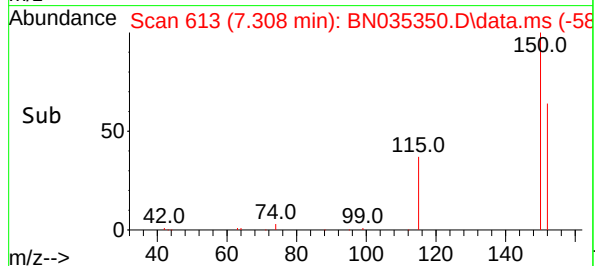
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion: 152 Resp: 223
Ion Ratio Lower Upper
152 100
150 153.6 124.0 186.0
115 62.8 49.6 74.4

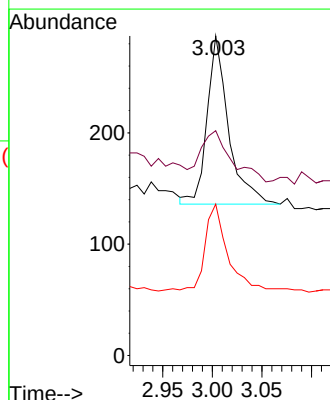
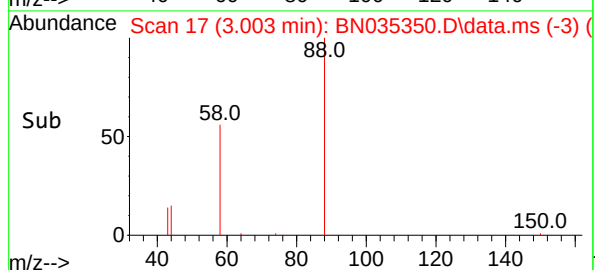
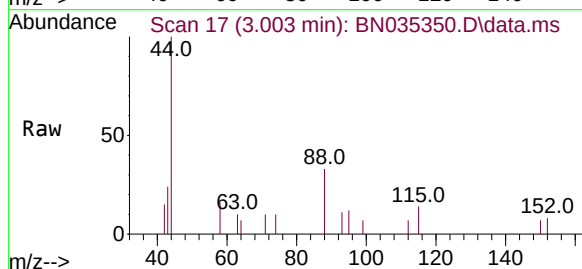
Manual Integrations
APPROVED

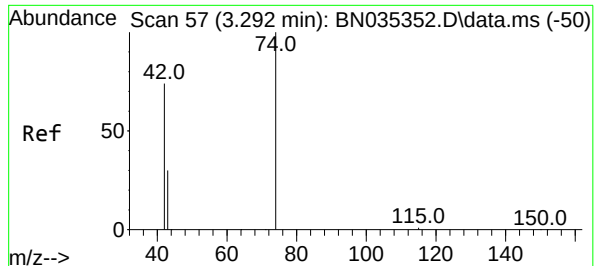
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#2
1,4-Dioxane
Concen: 0.112 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

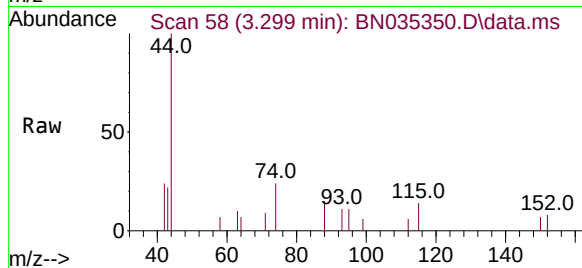
Tgt Ion: 88 Resp: 227
Ion Ratio Lower Upper
88 100
43 41.4 17.2 25.8#
58 54.6 44.5 66.7





#3
n-Nitrosodimethylamine
Concen: 0.099 ng
RT: 3.299 min Scan# 50
Delta R.T. 0.007 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

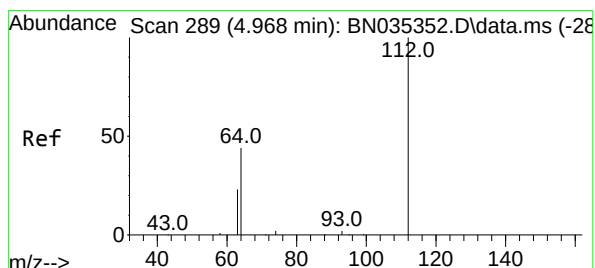
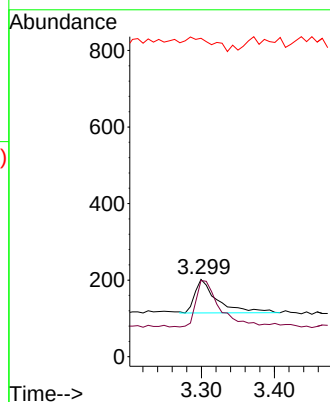
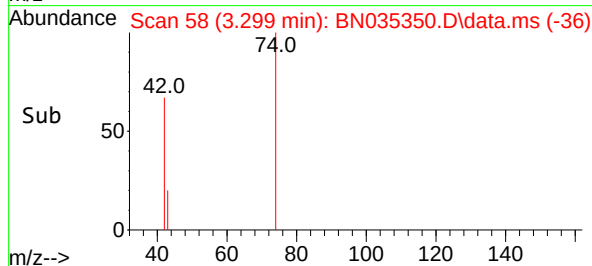
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion: 42 Resp: 187
Ion Ratio Lower Upper
42 100
74 146.5 124.9 187.3
44 51.9 2.2 3.4

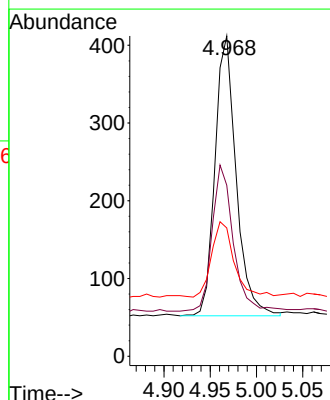
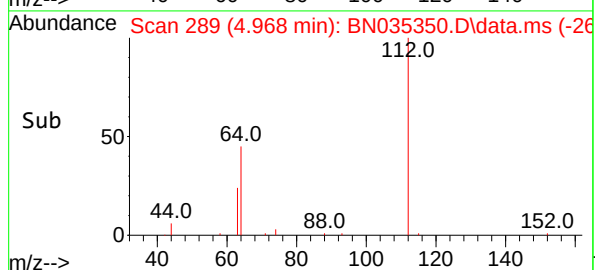
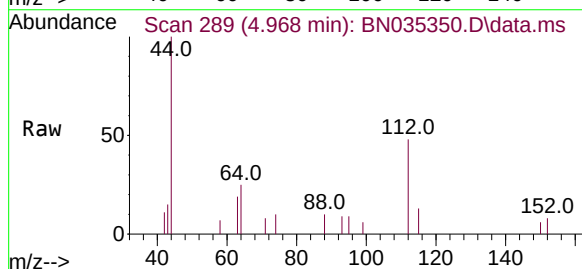
Manual Integrations
APPROVED

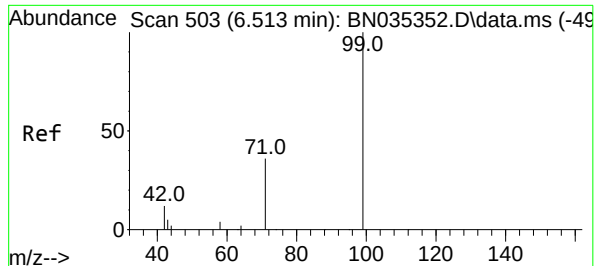
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#4
2-Fluorophenol
Concen: 0.101 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

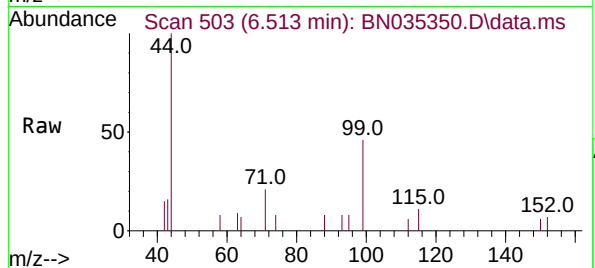
Tgt Ion:112 Resp: 573
Ion Ratio Lower Upper
112 100
64 52.0 39.8 59.8
63 28.8 21.0 31.6





#5
Phenol-d6
Concen: 0.096 ng
RT: 6.513 min Scan# 503
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

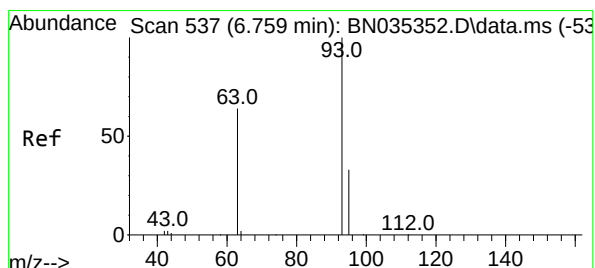
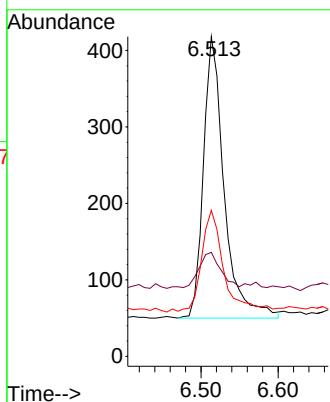
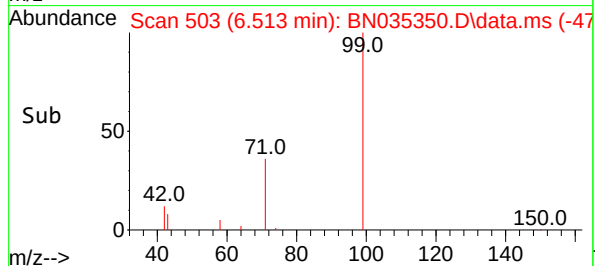
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion: 99 Resp: 680
Ion Ratio Lower Upper
99 100
42 13.7 11.4 17.2
71 38.9 29.3 43.9

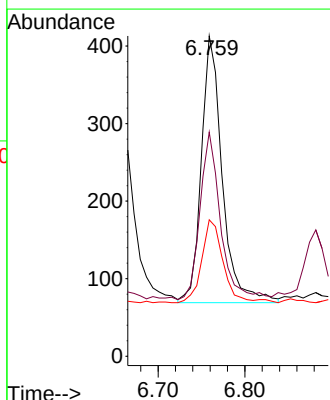
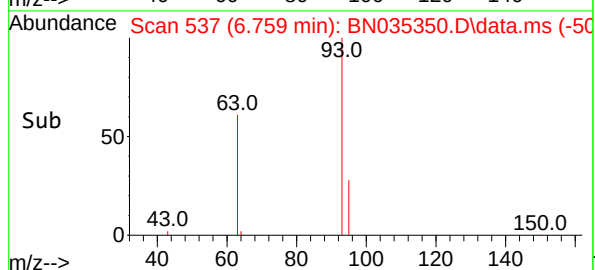
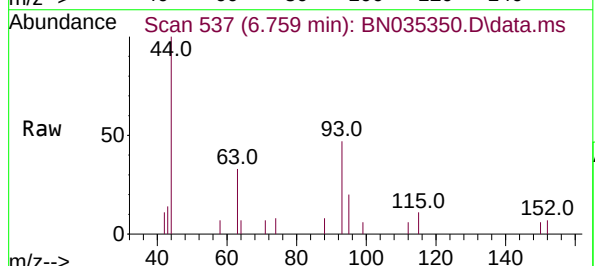
Manual Integrations
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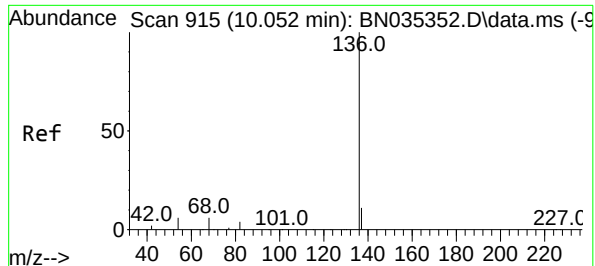
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#6
bis(2-Chloroethyl)ether
Concen: 0.108 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

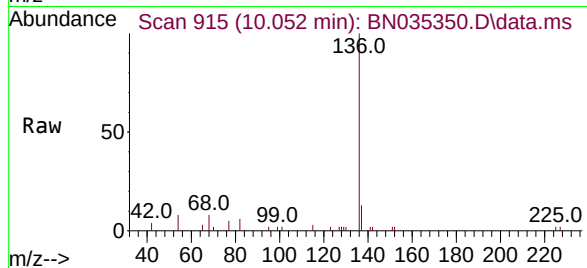
Tgt Ion: 93 Resp: 579
Ion Ratio Lower Upper
93 100
63 61.7 50.4 75.6
95 31.3 25.7 38.5





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

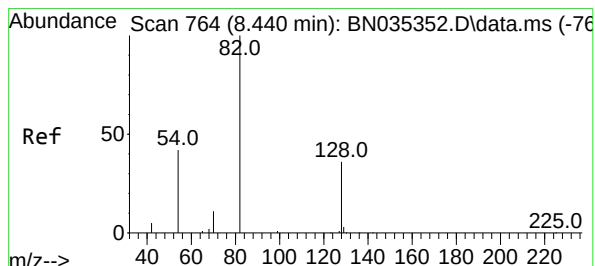
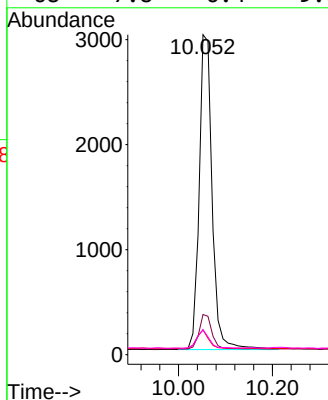
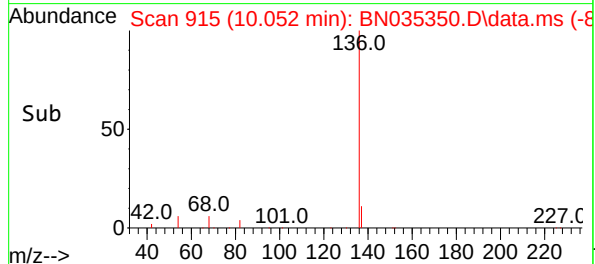
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion: 136 Resp: 575
Ion Ratio Lower Upper
136 100
137 12.6 10.2 15.2
54 7.7 6.1 9.1
68 7.8 6.4 9.6

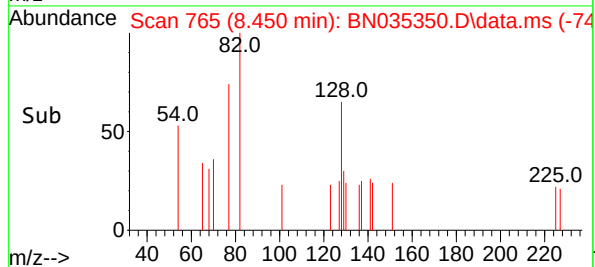
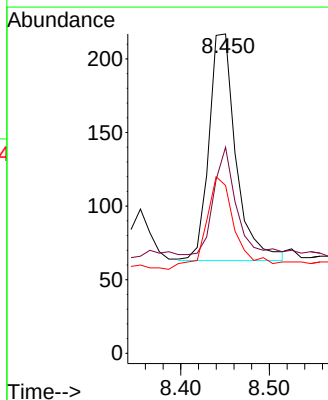
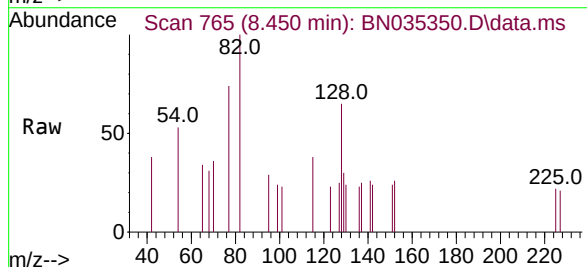
Manual Integrations
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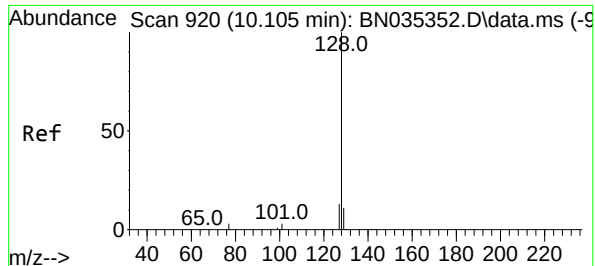
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#8
Nitrobenzene-d5
Concen: 0.065 ng m
RT: 8.450 min Scan# 765
Delta R.T. 0.011 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion: 82 Resp: 327
Ion Ratio Lower Upper
82 100
128 64.5 33.4 50.0#
54 52.5 36.7 55.1





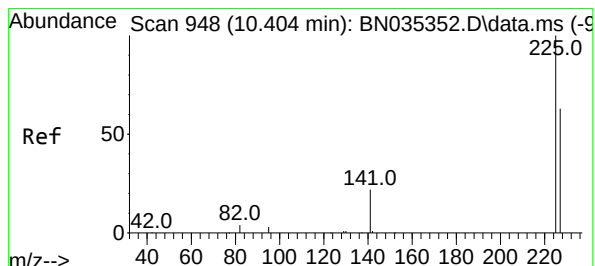
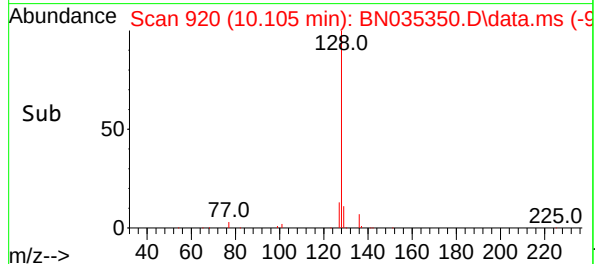
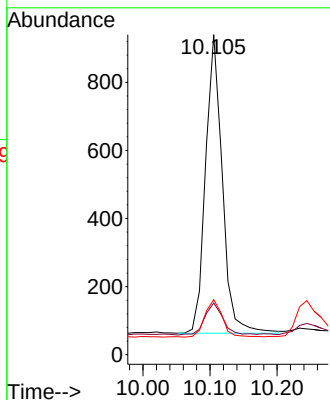
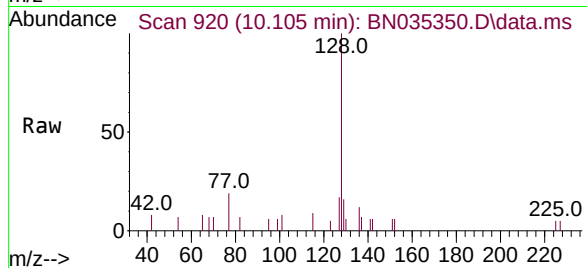
#9
Naphthalene
Concen: 0.102 ng
RT: 10.105 min Scan# 912
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 152
Ion Ratio Lower Upper
128 100
129 16.2 9.8 14.6
127 17.2 11.4 17.2

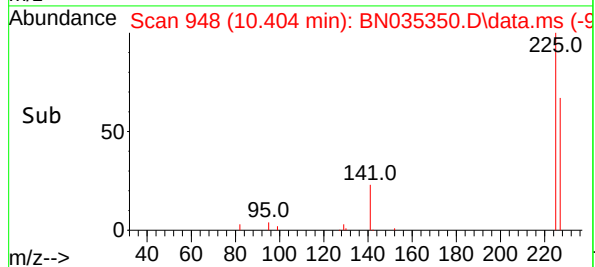
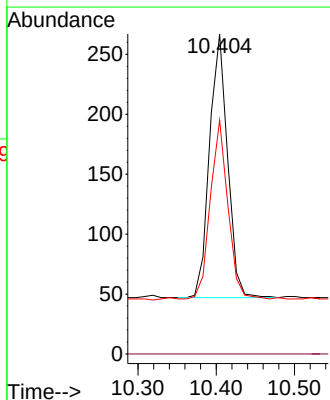
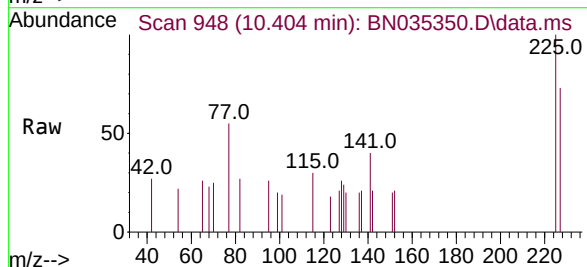
Manual Integrations
APPROVED

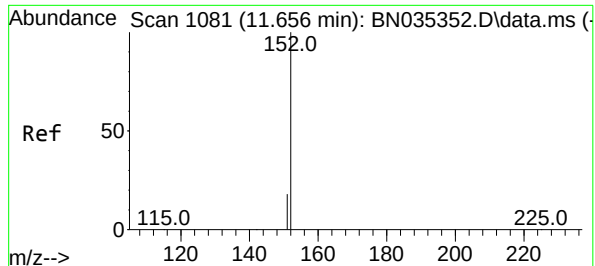
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#10
Hexachlorobutadiene
Concen: 0.080 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

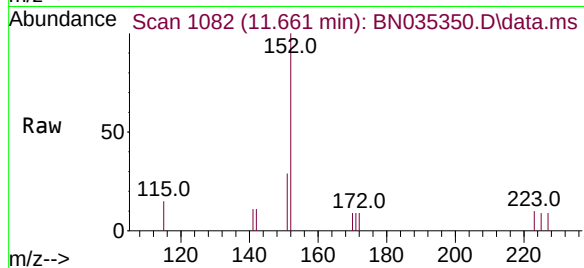
Tgt Ion:225 Resp: 352
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 66.2 51.3 76.9





#11
2-Methylnaphthalene-d10
Concen: 0.083 ng
RT: 11.661 min Scan# 1081
Delta R.T. 0.005 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

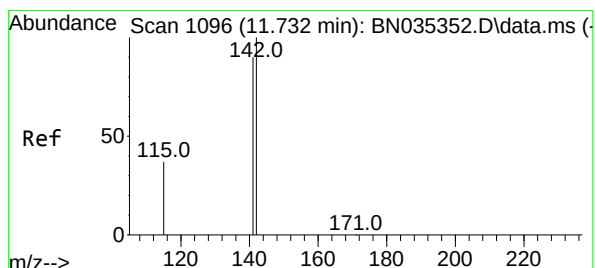
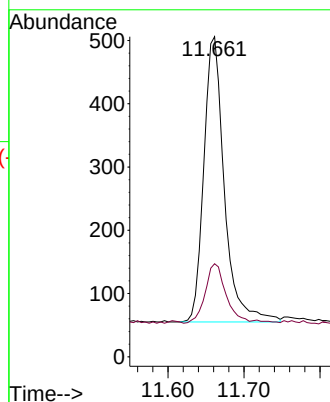
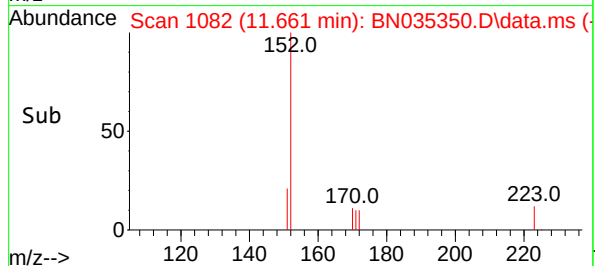
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:152 Resp: 850
Ion Ratio Lower Upper
152 100
151 21.1 16.6 25.0

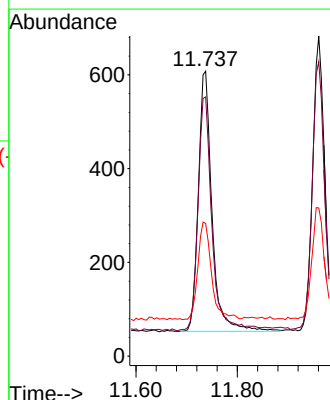
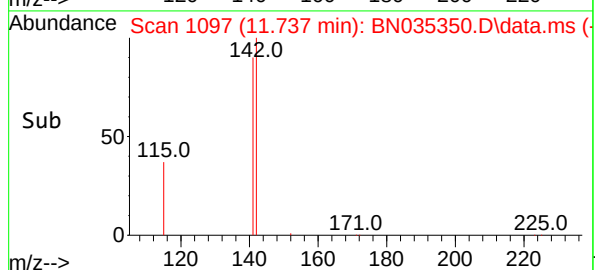
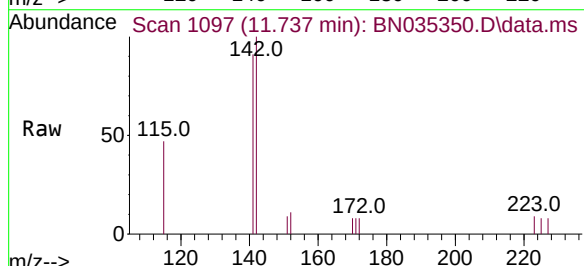
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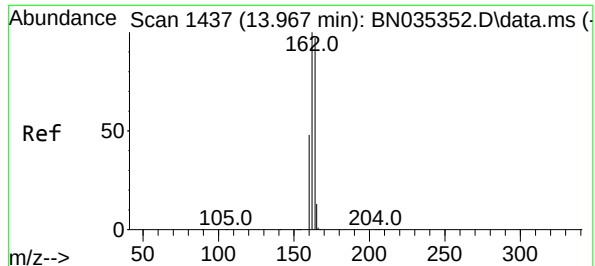
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#12
2-Methylnaphthalene
Concen: 0.094 ng
RT: 11.737 min Scan# 1097
Delta R.T. 0.005 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

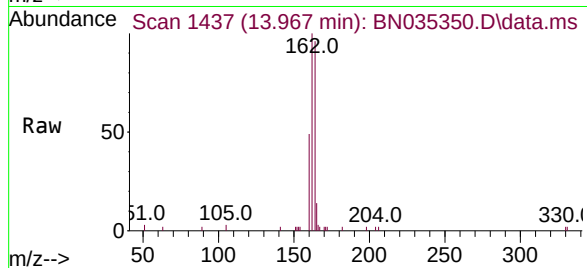
Tgt Ion:142 Resp: 1042
Ion Ratio Lower Upper
142 100
141 91.0 72.2 108.4
115 46.5 31.4 47.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

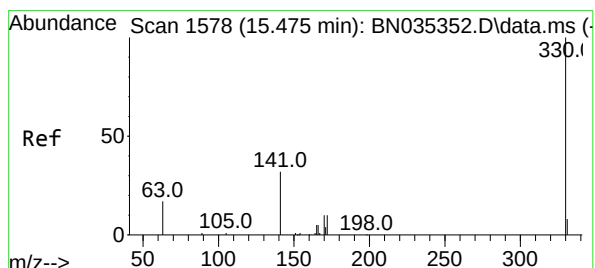
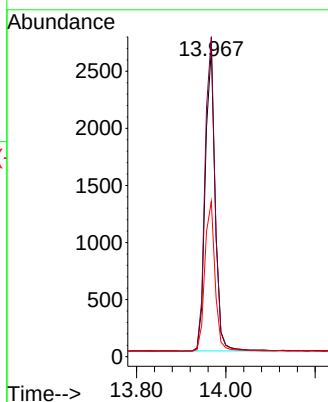
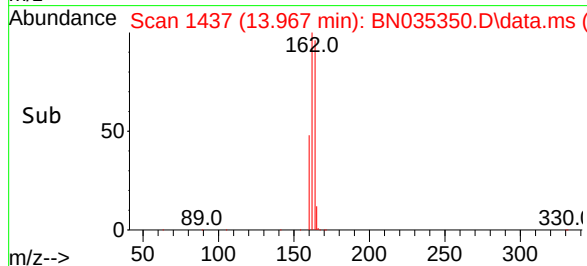
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:164 Resp: 407
Ion Ratio Lower Upper
164 100
162 103.9 82.2 123.2
160 50.4 40.1 60.1

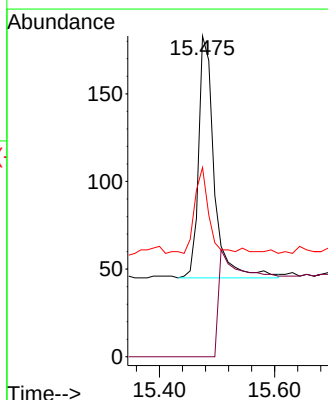
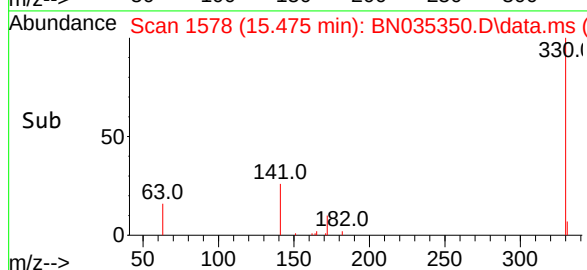
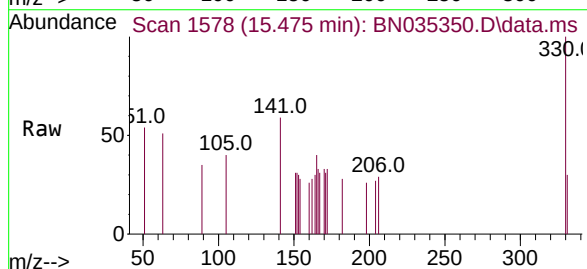
Manual Integrations
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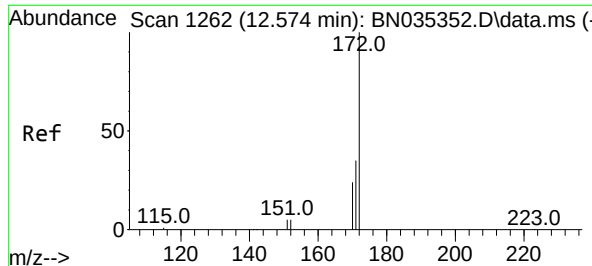
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#14
2,4,6-Tribromophenol
Concen: 0.095 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

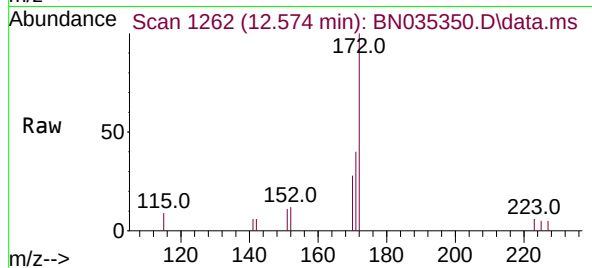
Tgt Ion:330 Resp: 278
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 29.1 26.6 40.0





#15
2-Fluorobiphenyl
Concen: 0.092 ng
RT: 12.574 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

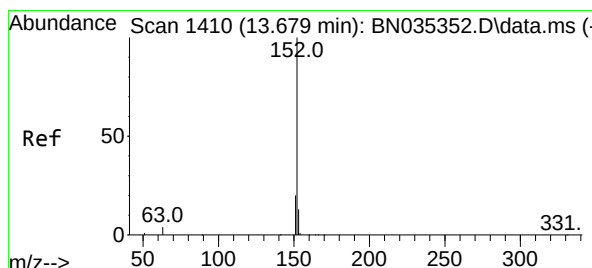
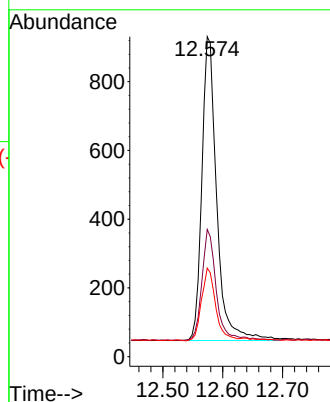
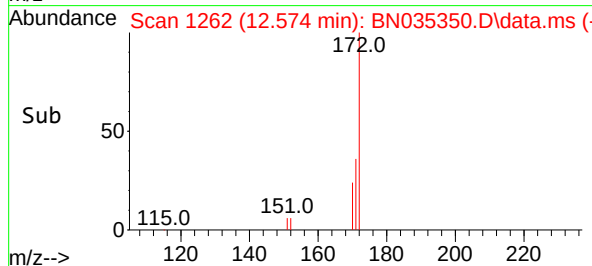
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:172 Resp: 1518
Ion Ratio Lower Upper
172 100
171 39.7 29.0 43.4
170 27.7 19.8 29.8

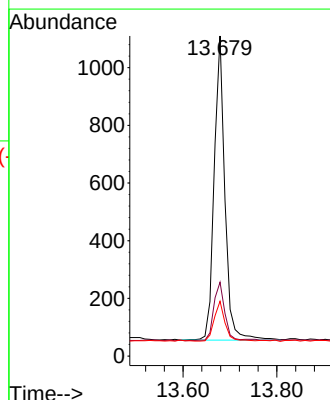
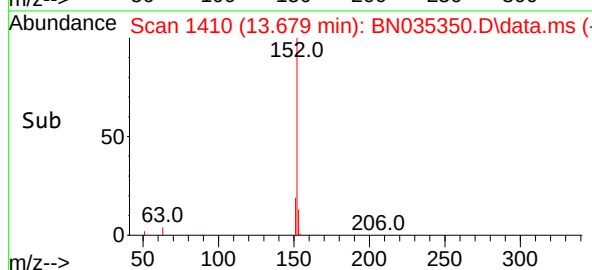
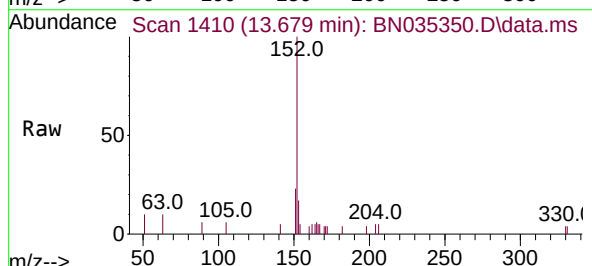
Manual Integrations
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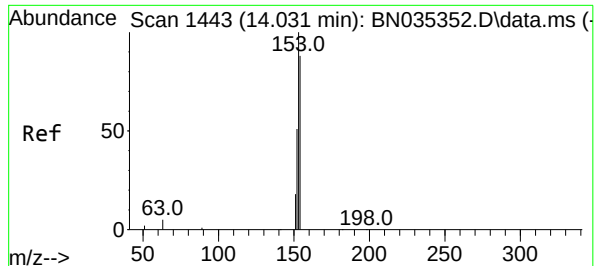
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#16
Acenaphthylene
Concen: 0.096 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

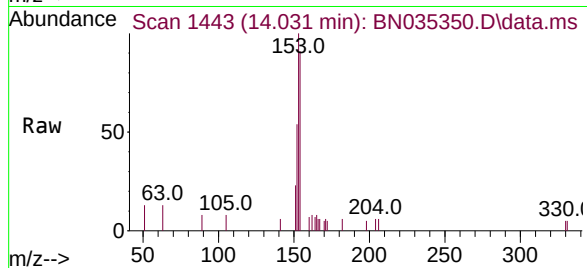
Tgt Ion:152 Resp: 1675
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 13.1 10.4 15.6





#17
Acenaphthene
Concen: 0.100 ng
RT: 14.031 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

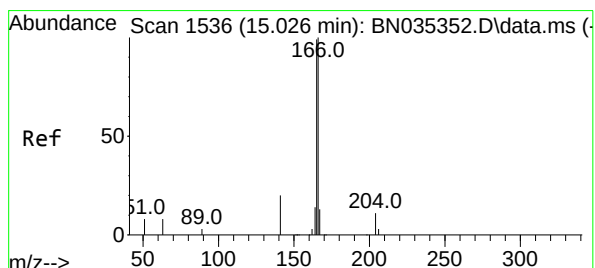
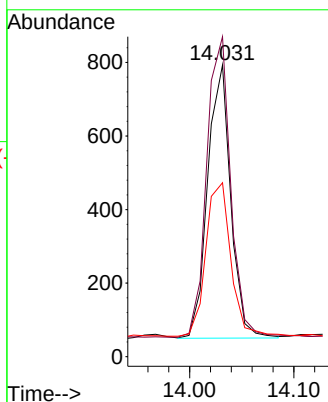
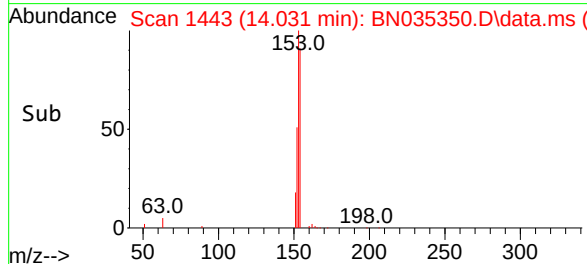
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:154 Resp: 114.0
Ion Ratio Lower Upper
154 100
153 115.0 92.6 139.0
152 60.9 49.0 73.6

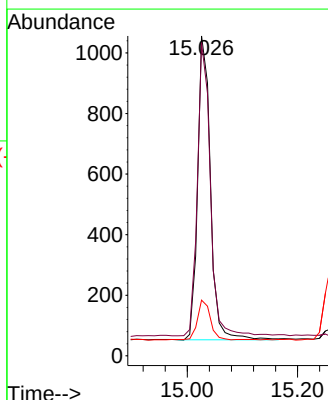
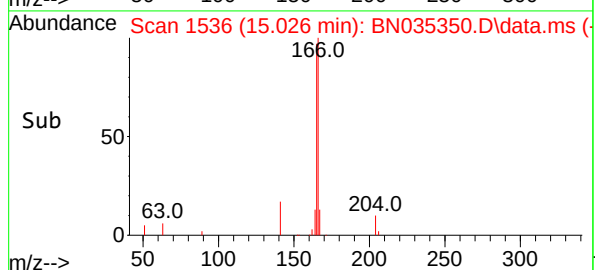
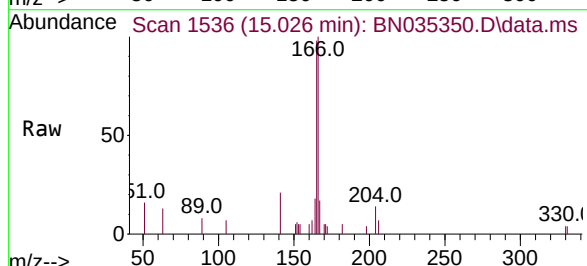
Manual Integrations
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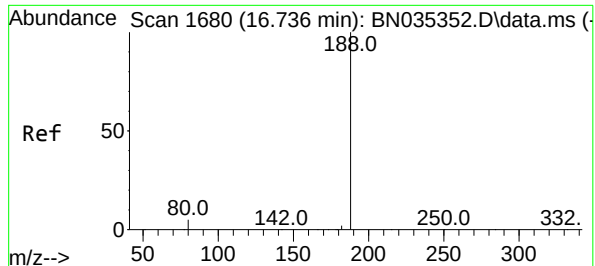
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#18
Fluorene
Concen: 0.096 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:166 Resp: 1620
Ion Ratio Lower Upper
166 100
165 97.7 79.7 119.5
167 13.1 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.736 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

Tgt Ion:188 Resp: 1085

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

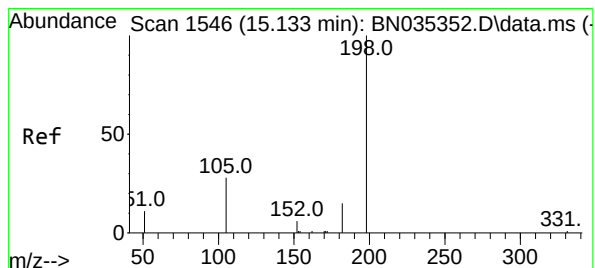
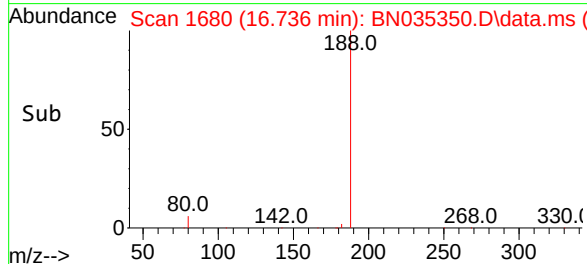
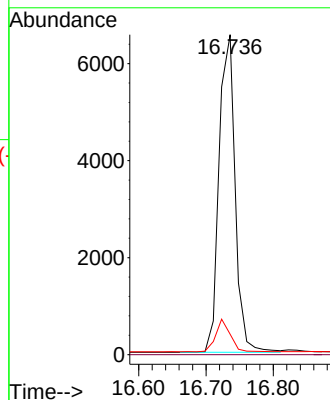
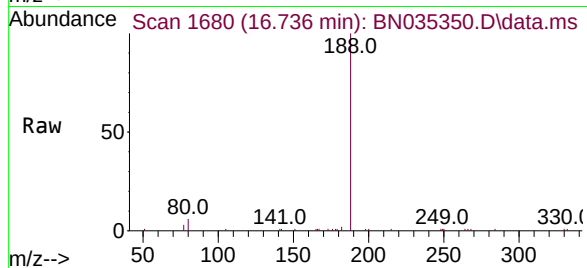
80 6.4 4.6 6.8

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#20

4,6-Dinitro-2-methylphenol

Concen: 0.046 ng

RT: 15.133 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

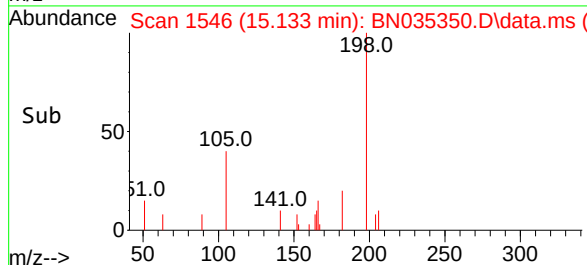
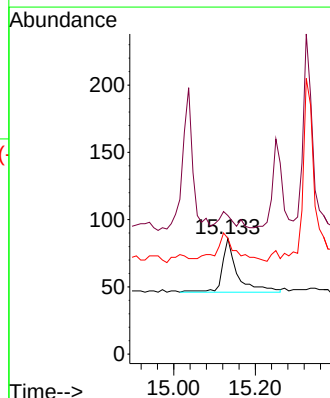
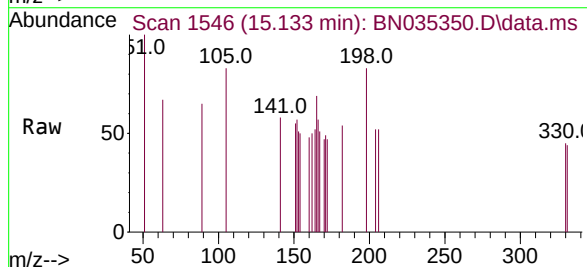
Tgt Ion:198 Resp: 103

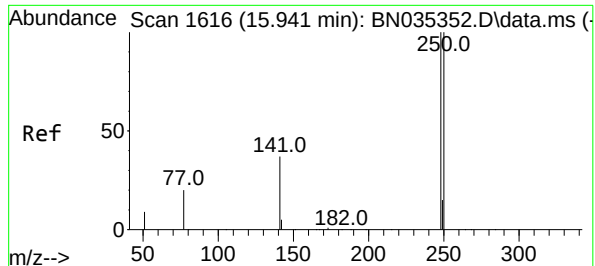
Ion Ratio Lower Upper

198 100

51 119.8 46.5 69.7#

105 100.0 45.3 67.9#





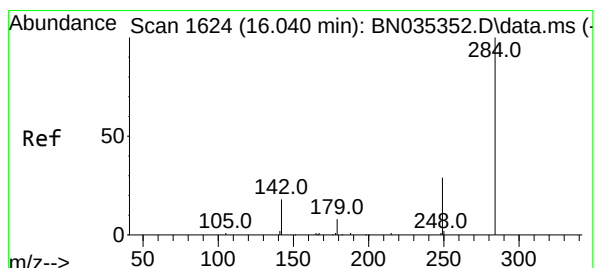
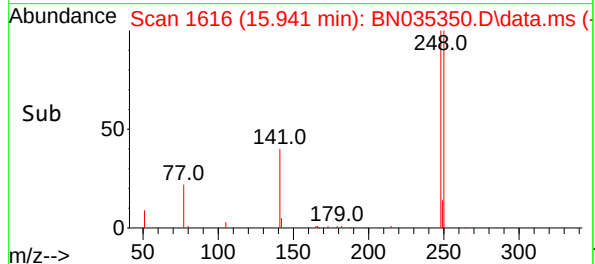
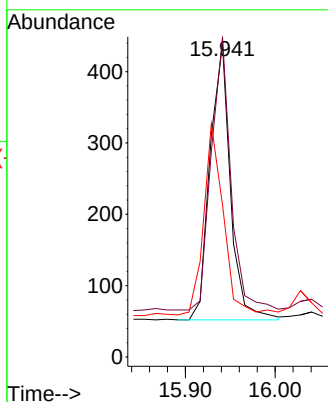
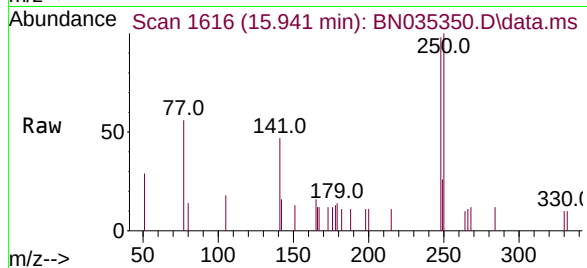
#21
4-Bromophenyl-phenylether
Concen: 0.088 ng
RT: 15.941 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 612
Ion Ratio Lower Upper
248 100
250 102.5 80.6 120.8
141 48.6 31.5 47.3

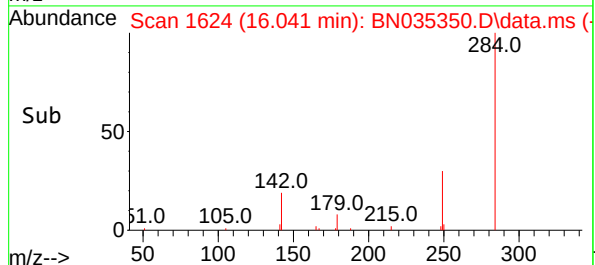
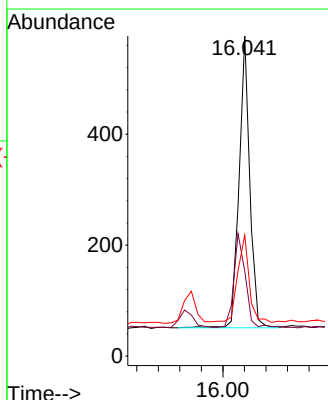
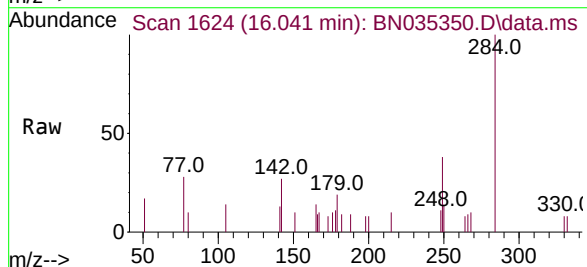
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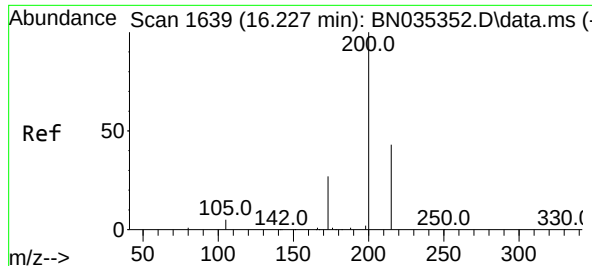
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#22
Hexachlorobenzene
Concen: 0.100 ng
RT: 16.041 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:284 Resp: 720
Ion Ratio Lower Upper
284 100
142 35.4 26.7 40.1
249 32.2 24.6 36.8





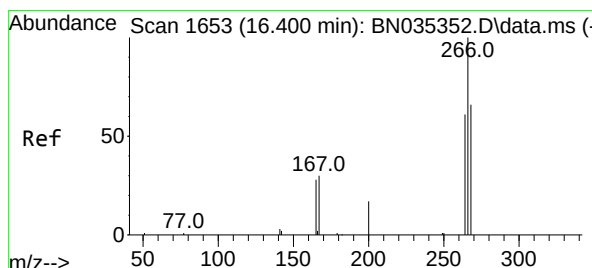
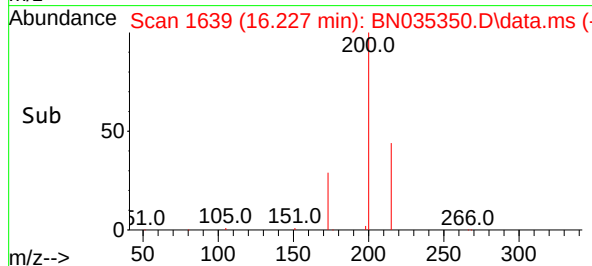
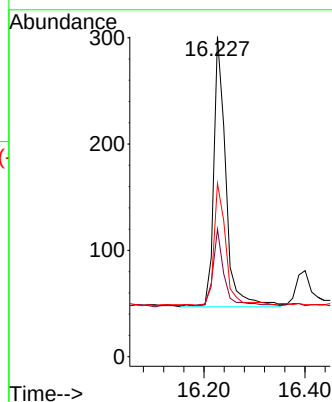
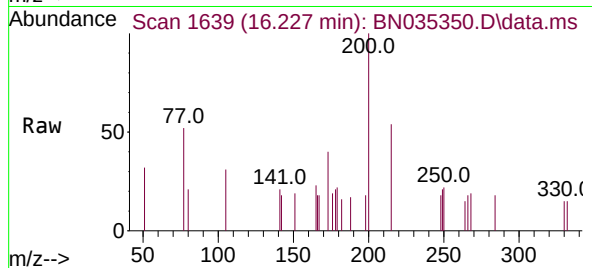
#23
Atrazine
Concen: 0.068 ng
RT: 16.227 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:200 Resp: 42.1
Ion Ratio Lower Upper
200 100
173 39.9 24.1 36.1
215 54.2 36.9 55.3

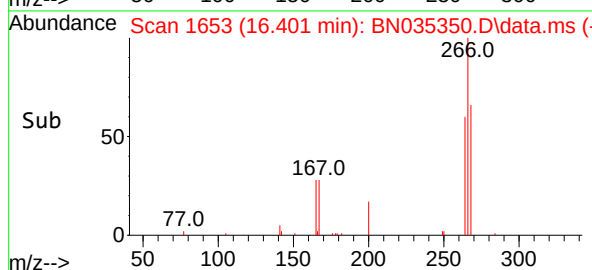
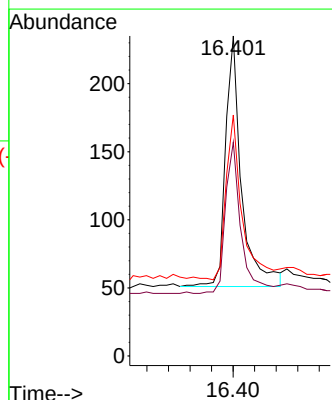
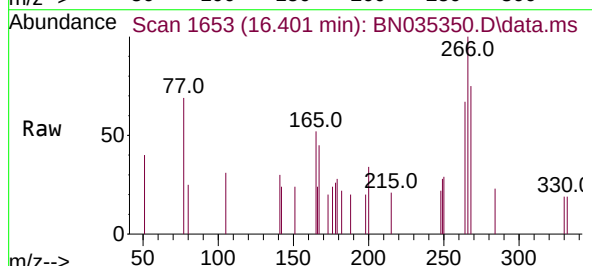
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APPROVED

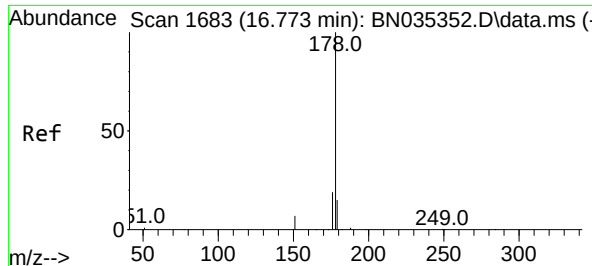
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#24
Pentachlorophenol
Concen: 0.114 ng
RT: 16.401 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:266 Resp: 381
Ion Ratio Lower Upper
266 100
264 58.3 42.3 63.5
268 63.3 43.3 64.9





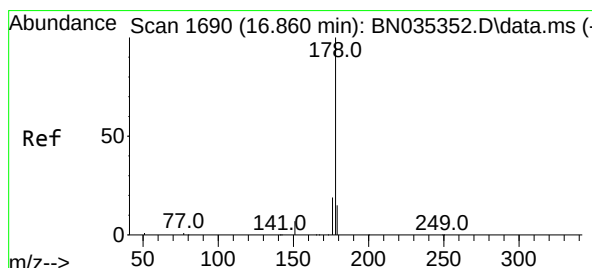
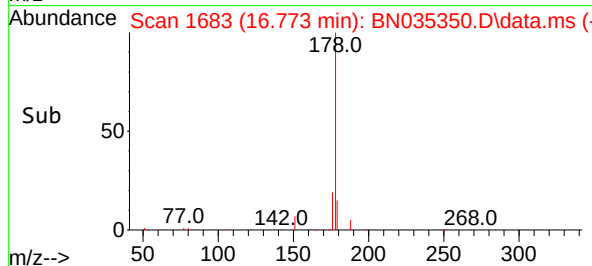
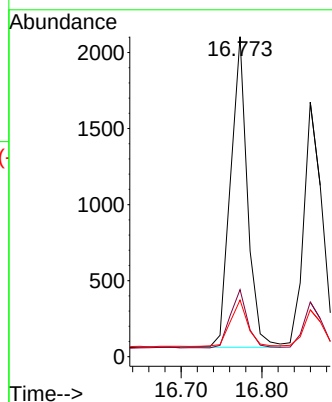
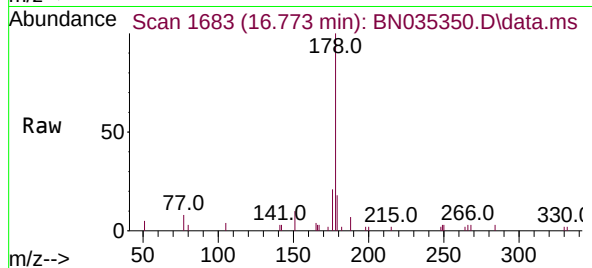
#25
Phenanthrene
Concen: 0.104 ng
RT: 16.773 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 296
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.6 12.3 18.5

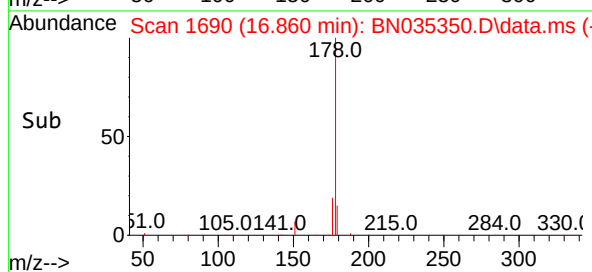
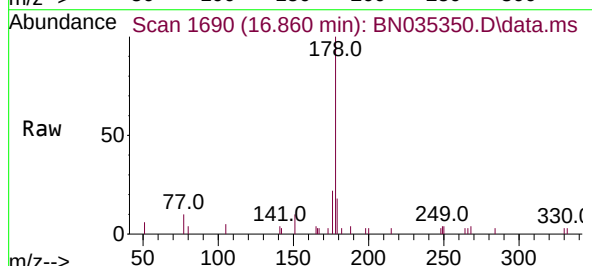
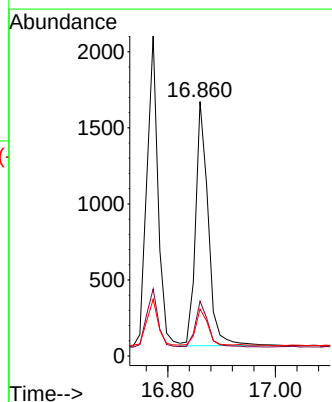
Manual Integrations
APPROVED

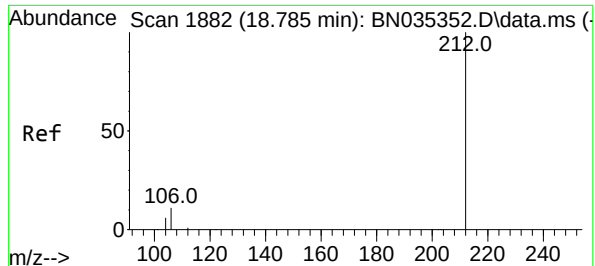
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#26
Anthracene
Concen: 0.100 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

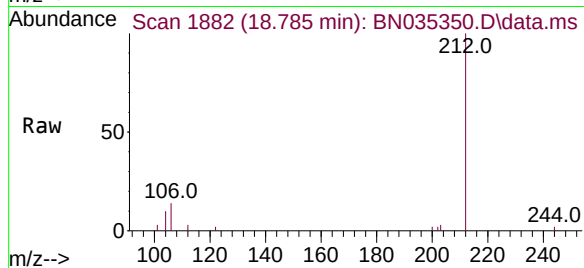
Tgt Ion:178 Resp: 2617
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 14.3 12.6 18.8





#27
Fluoranthene-d10
Concen: 0.098 ng
RT: 18.785 min Scan# 1882
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

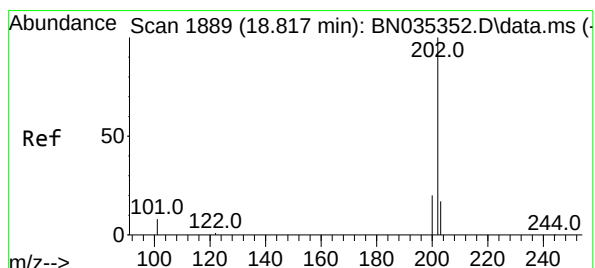
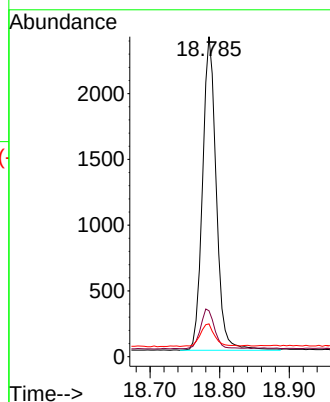
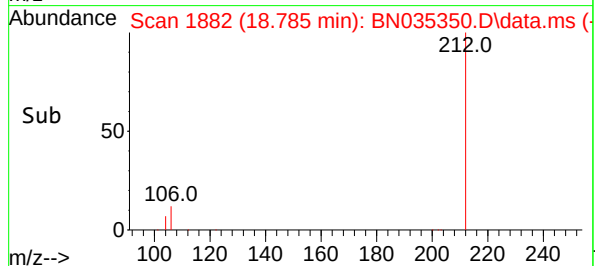
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:212 Resp: 326
Ion Ratio Lower Upper
212 100
106 12.8 9.2 13.8
104 7.6 5.3 7.9

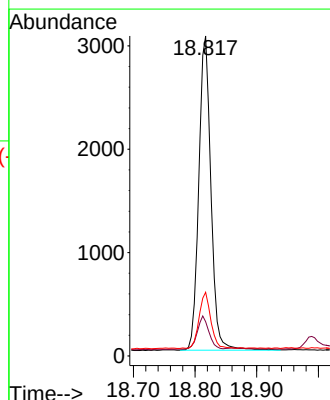
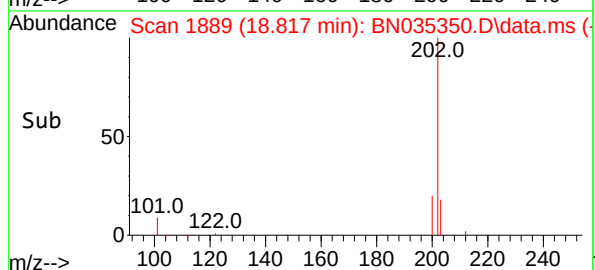
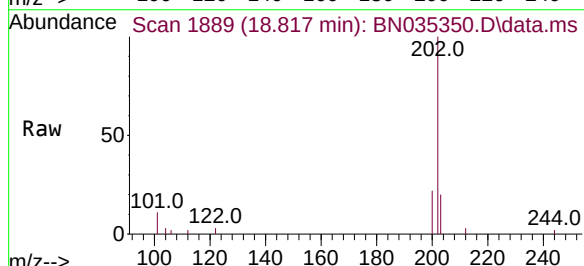
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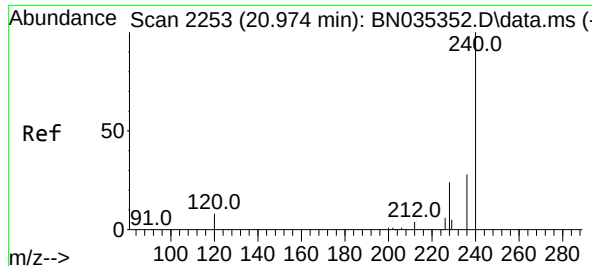
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#28
Fluoranthene
Concen: 0.106 ng
RT: 18.817 min Scan# 1889
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:202 Resp: 4173
Ion Ratio Lower Upper
202 100
101 10.2 7.4 11.0
203 17.3 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.974 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Instrument :

BNA_N

ClientSampleId :

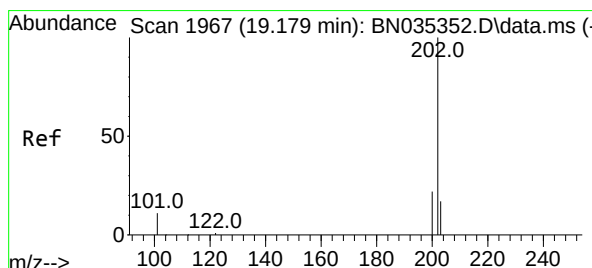
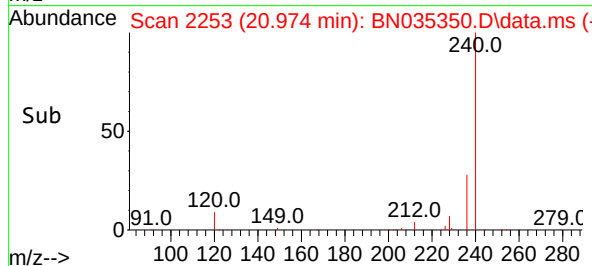
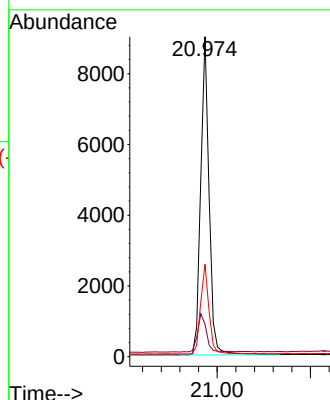
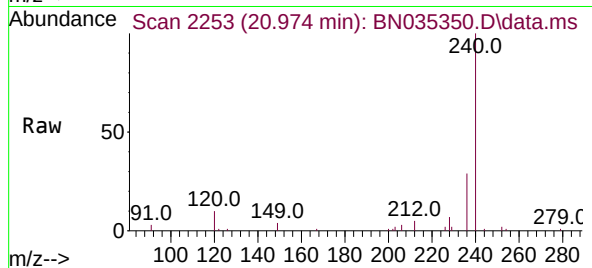
SSTDICC0.1

Tgt Ion:240	Resp:	11269
Ion Ratio	Lower	Upper
240	100	
120	10.1	7.9 11.9
236	28.8	22.9 34.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#30

Pyrene

Concen: 0.119 ng

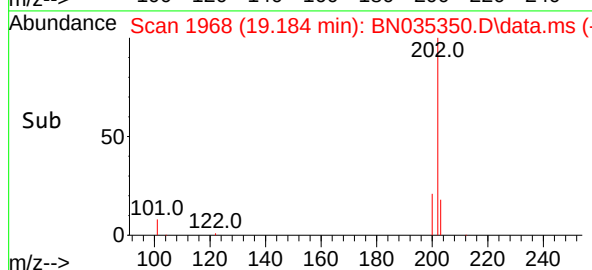
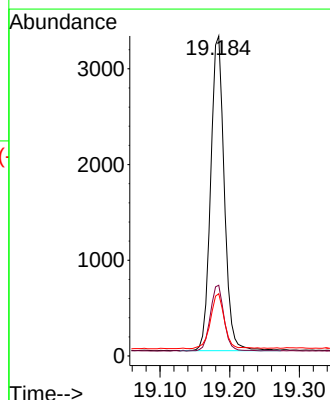
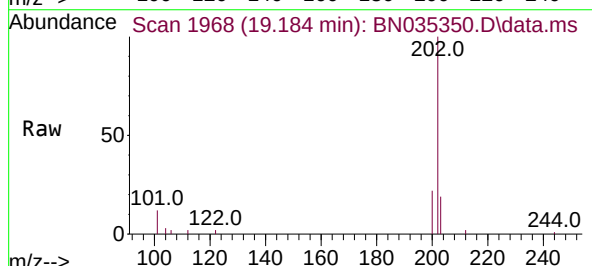
RT: 19.184 min Scan# 1968

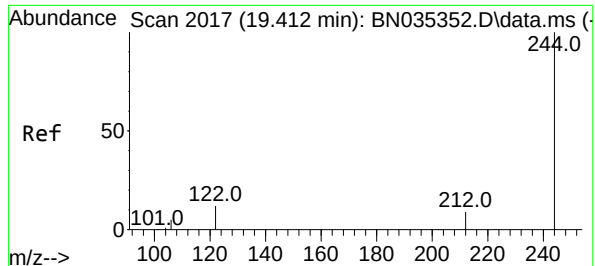
Delta R.T. 0.005 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

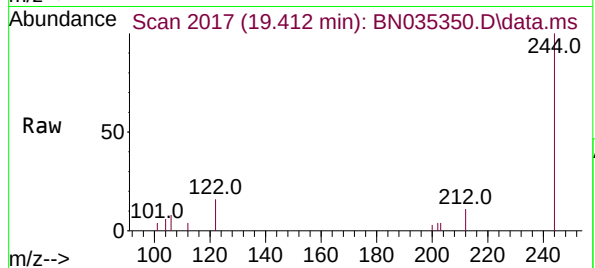
Tgt Ion:202	Resp:	4461
Ion Ratio	Lower	Upper
202	100	
200	21.1	17.0 25.4
203	18.0	14.3 21.5





#31
Terphenyl-d14
Concen: 0.099 ng
RT: 19.412 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

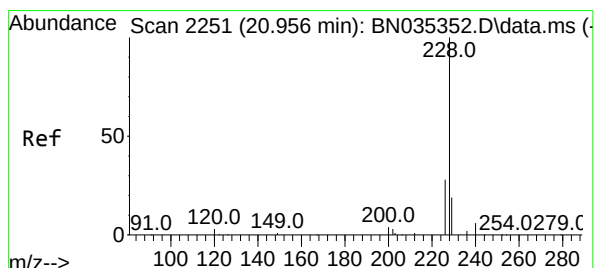
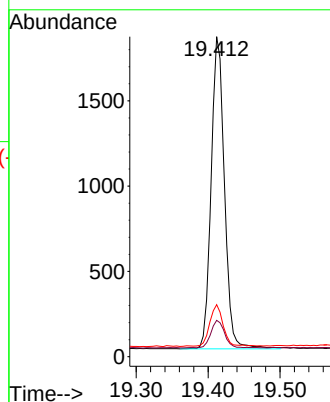
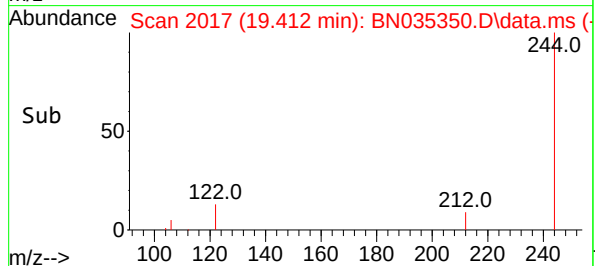
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:244 Resp: 2344
Ion Ratio Lower Upper
244 100
212 11.4 8.1 12.1
122 16.3 10.3 15.5

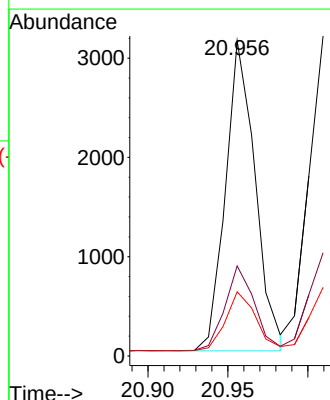
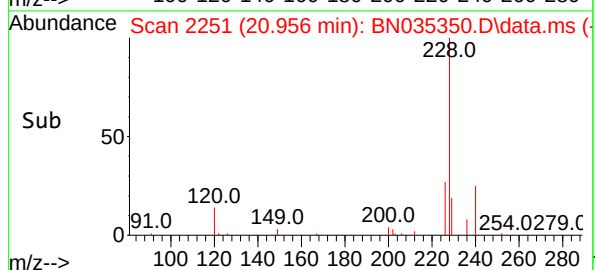
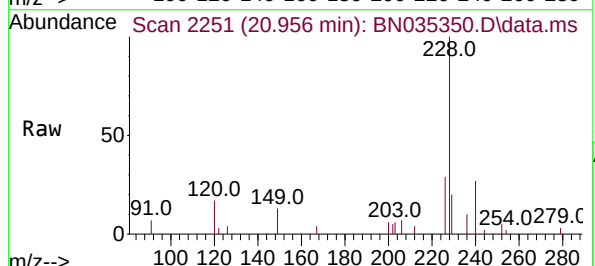
Manual Integrations
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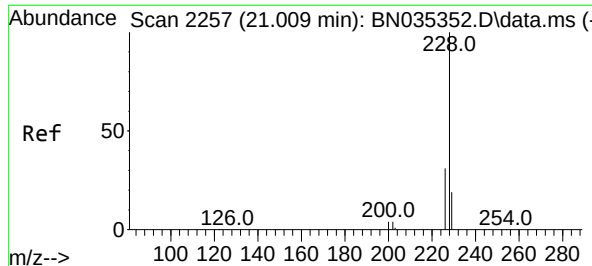
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#32
Benzo(a)anthracene
Concen: 0.103 ng
RT: 20.956 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:228 Resp: 4031
Ion Ratio Lower Upper
228 100
226 28.5 22.5 33.7
229 20.4 15.8 23.8





#33

Chrysene

Concen: 0.106 ng

RT: 21.010 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

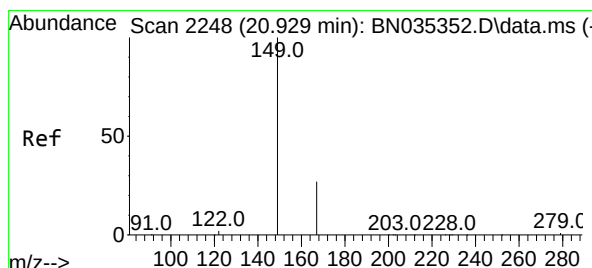
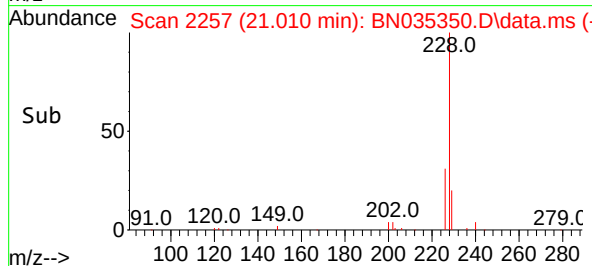
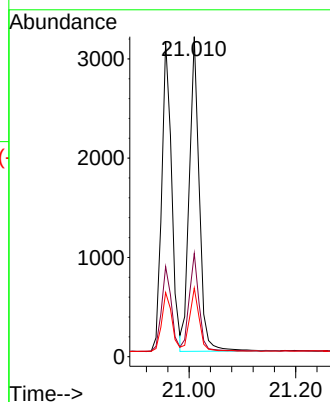
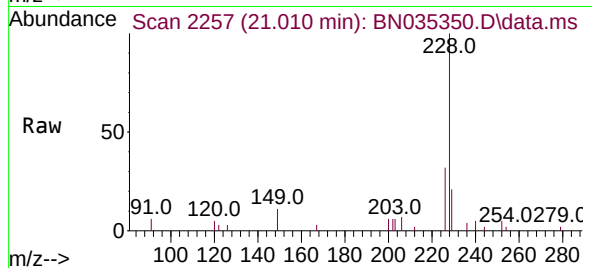
Tgt Ion:	228	Resp:	412
Ion Ratio	Lower	Upper	
228	100		
226	32.3	24.6	37.0
229	21.5	15.9	23.9

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.097 ng

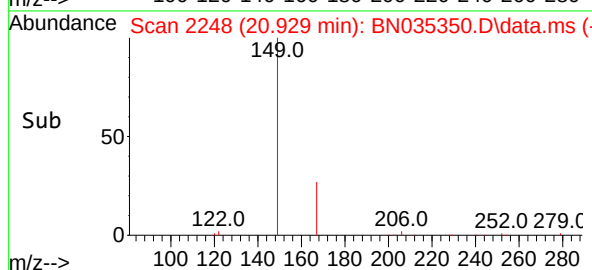
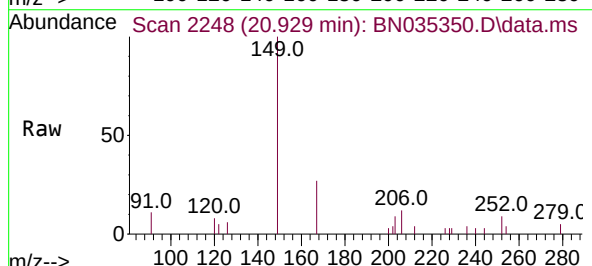
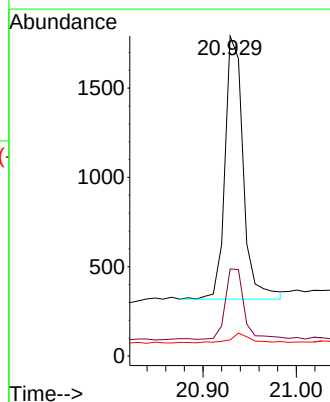
RT: 20.929 min Scan# 2248

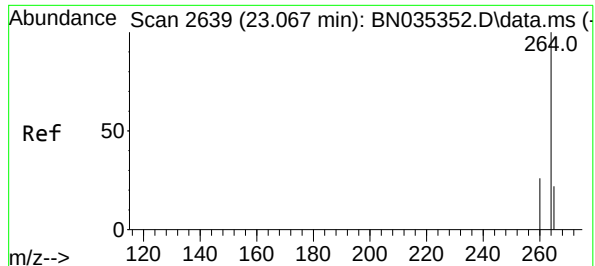
Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Tgt Ion:	149	Resp:	1999
Ion Ratio	Lower	Upper	
149	100		
167	27.5	22.2	33.4
279	3.6	2.7	4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.067 min Scan# 2639

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

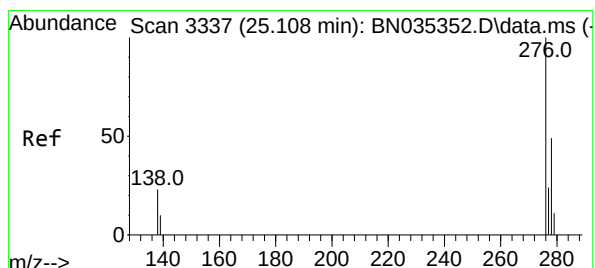
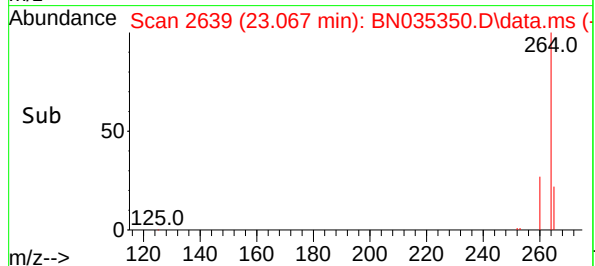
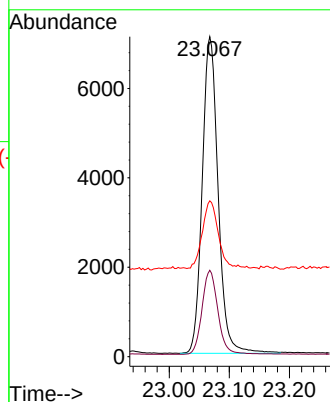
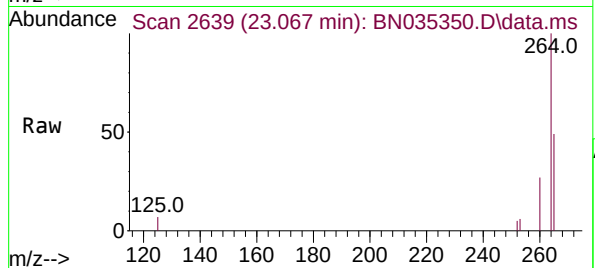
Tgt Ion:	264	Resp:	13004
Ion Ratio	Lower	Upper	
264	100		
260	27.0	21.4	32.2
265	48.7	40.2	60.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.088 ng

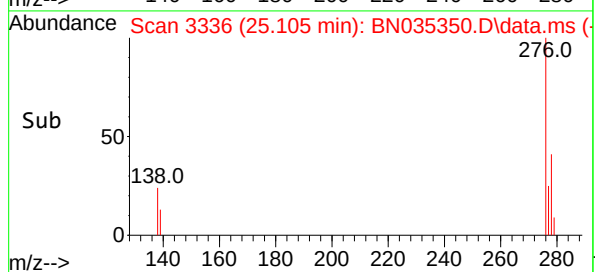
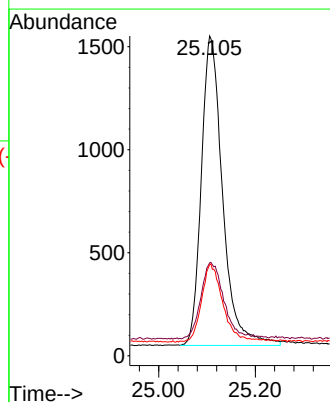
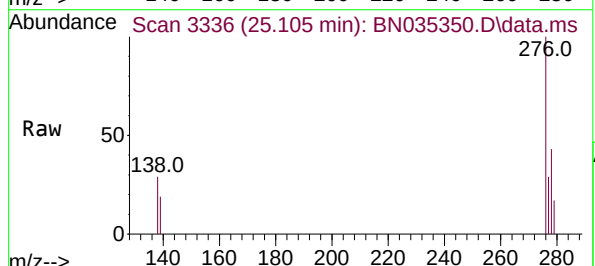
RT: 25.105 min Scan# 3336

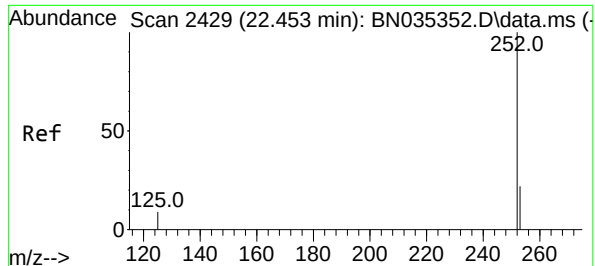
Delta R.T. -0.003 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Tgt Ion:	276	Resp:	4586
Ion Ratio	Lower	Upper	
276	100		
138	26.2	19.4	29.0
277	25.6	19.8	29.6





#37

Benzo(b)fluoranthene

Concen: 0.097 ng

RT: 22.456 min Scan# 2430

Delta R.T. 0.003 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Instrument :

BNA_N

ClientSampleId :

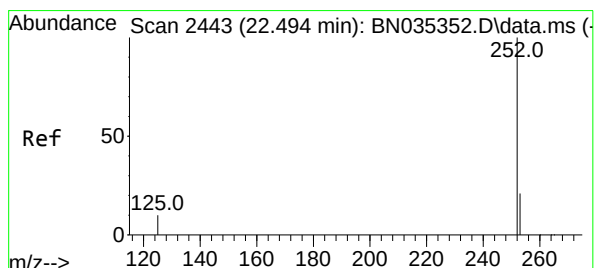
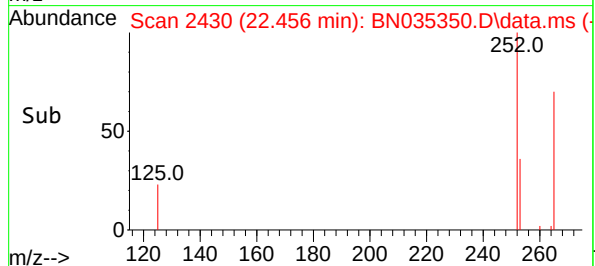
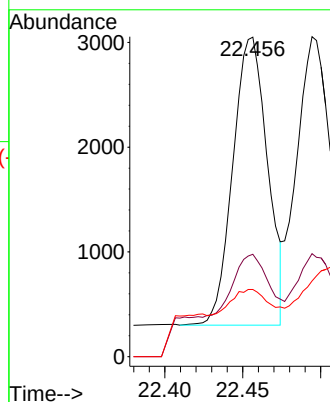
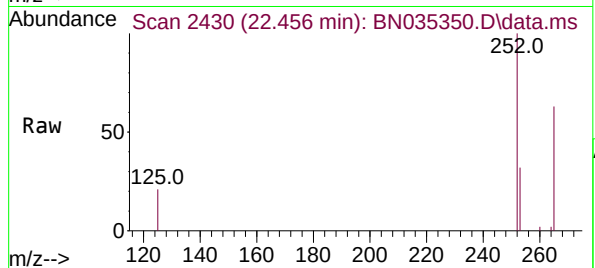
SSTDICC0.1

Tgt Ion:252	Resp:	424
Ion Ratio	Lower	Upper
252	100	
253	32.1	19.6 29.4
125	21.0	9.6 14.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#38

Benzo(k)fluoranthene

Concen: 0.107 ng m

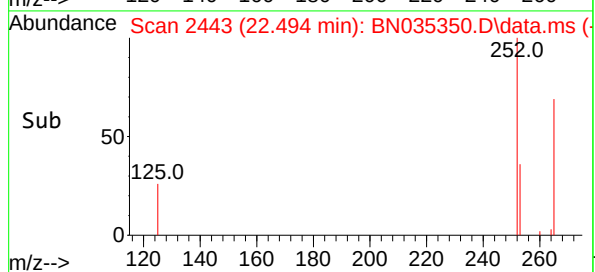
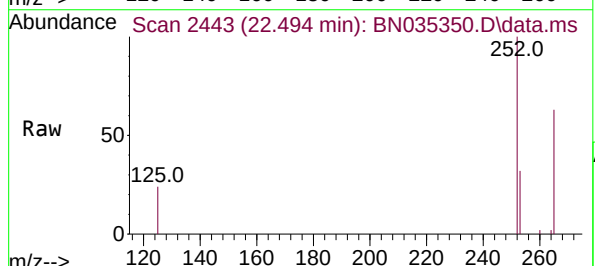
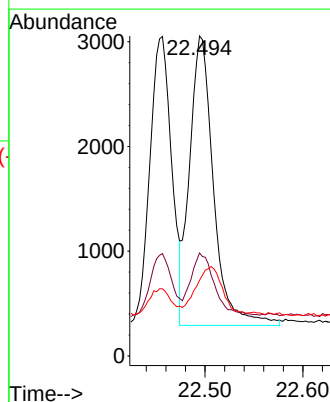
RT: 22.494 min Scan# 2443

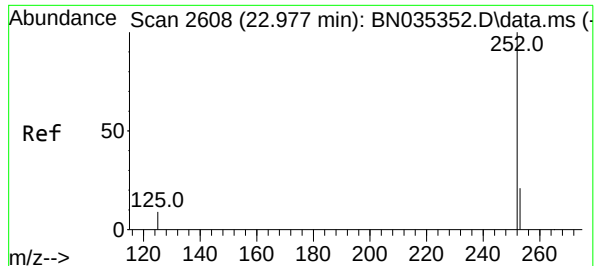
Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Tgt Ion:252	Resp:	4695
Ion Ratio	Lower	Upper
252	100	
253	32.2	19.5 29.3
125	23.7	10.2 15.4





#39

Benzo(a)pyrene

Concen: 0.102 ng

RT: 22.977 min Scan# 2608

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

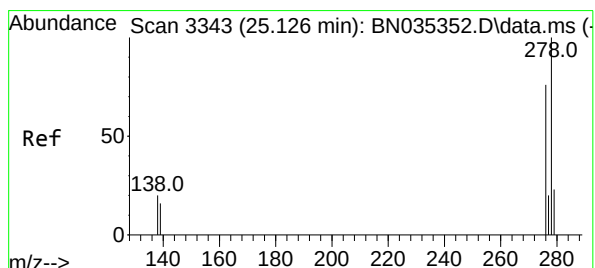
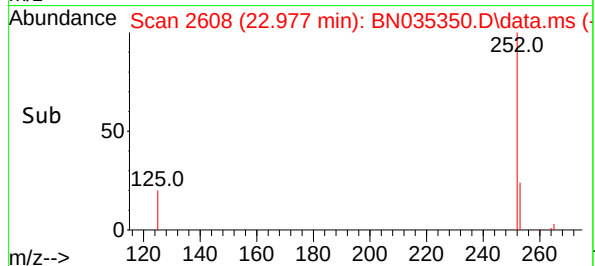
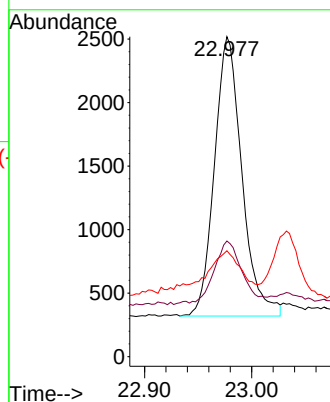
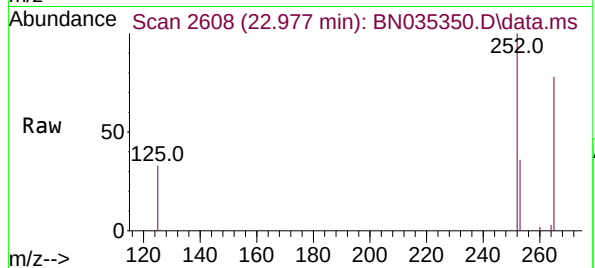
Tgt Ion:	252	Resp:	391
Ion Ratio	Lower	Upper	
252	100		
253	36.1	20.2	30.4
125	33.1	10.9	16.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.087 ng

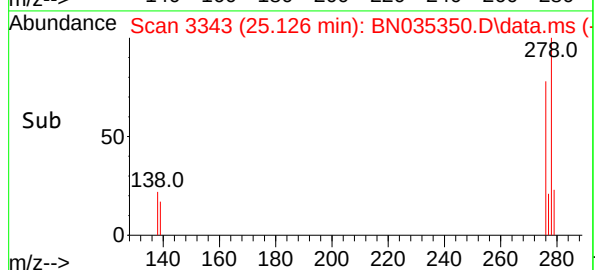
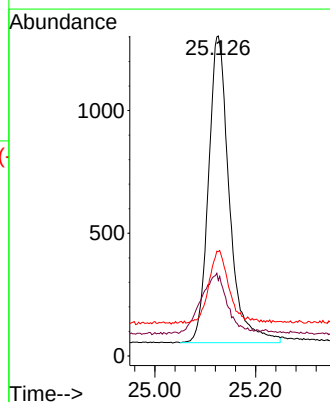
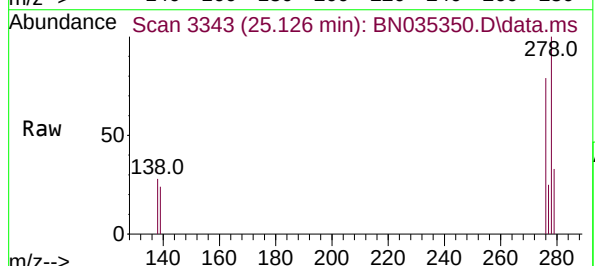
RT: 25.126 min Scan# 3343

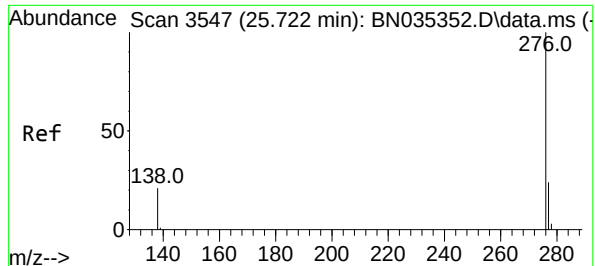
Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Tgt Ion:	278	Resp:	3588
Ion Ratio	Lower	Upper	
278	100		
139	23.6	14.2	21.4
279	32.6	20.5	30.7





#41

Benzo(g,h,i)perylene

Concen: 0.088 ng

RT: 25.725 min Scan# 3

Delta R.T. 0.003 min

Lab File: BN035350.D

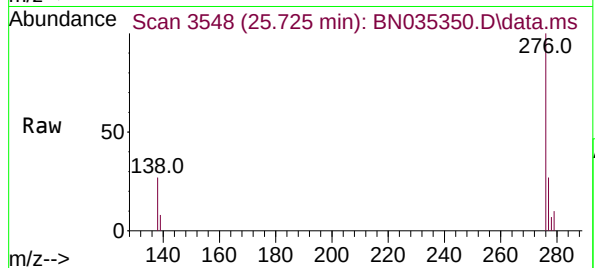
Acq: 27 Nov 2024 15:34

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1



Tgt Ion:276 Resp: 386

Ion Ratio Lower Upper

276 100

277 26.9 19.9 29.9

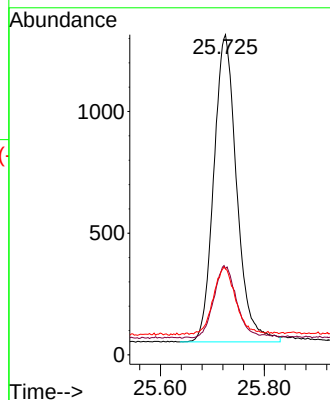
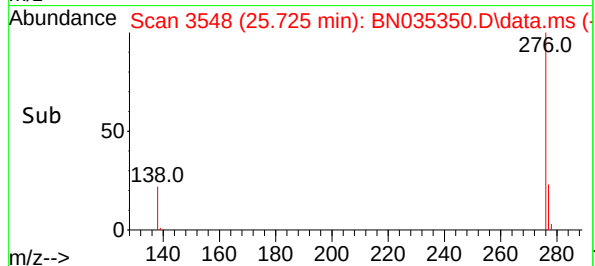
138 26.8 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035351.D
 Acq On : 27 Nov 2024 16:10
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/29/2024
 Supervised By :mohammad ahmed 11/29/2024

Quant Time: Nov 27 22:52:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 22:48:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2084	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	5334	0.400	ng	# 0.01
13) Acenaphthene-d10	13.967	164	3808	0.400	ng	0.00
19) Phenanthrene-d10	16.735	188	9904	0.400	ng	0.00
29) Chrysene-d12	20.974	240	9963	0.400	ng	0.00
35) Perylene-d12	23.070	264	11158	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1159	0.219	ng	0.00
5) Phenol-d6	6.513	99	1236	0.186	ng	0.00
8) Nitrobenzene-d5	8.450	82	618m	0.133	ng	0.01
11) 2-Methylnaphthalene-d10	11.661	152	1608	0.169	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	492	0.179	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	2838	0.184	ng	0.00
27) Fluoranthene-d10	18.784	212	5379	0.177	ng	0.00
31) Terphenyl-d14	19.416	244	3871	0.185	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.003	88	435	0.230	ng	# 95
3) n-Nitrosodimethylamine	3.299	42	315	0.179	ng	# 87
6) bis(2-Chloroethyl)ether	6.759	93	1064	0.214	ng	99
9) Naphthalene	10.105	128	2744	0.197	ng	96
10) Hexachlorobutadiene	10.404	225	646	0.158	ng	# 99
12) 2-Methylnaphthalene	11.737	142	1910	0.186	ng	98
16) Acenaphthylene	13.678	152	3047	0.187	ng	99
17) Acenaphthene	14.031	154	2064	0.194	ng	99
18) Fluorene	15.026	166	2949	0.188	ng	99
20) 4,6-Dinitro-2-methylph...	15.132	198	153	0.074	ng	# 53
21) 4-Bromophenyl-phenylether	15.941	248	1081	0.171	ng	96
22) Hexachlorobenzene	16.040	284	1318	0.201	ng	98
23) Atrazine	16.227	200	770	0.136	ng	93
24) Pentachlorophenol	16.400	266	445	0.145	ng	# 84
25) Phenanthrene	16.773	178	5182	0.199	ng	99
26) Anthracene	16.860	178	4571	0.191	ng	100
28) Fluoranthene	18.817	202	6914	0.193	ng	100
30) Pyrene	19.184	202	7198	0.217	ng	100
32) Benzo(a)anthracene	20.956	228	6691	0.193	ng	99
33) Chrysene	21.009	228	7234	0.211	ng	99
34) Bis(2-ethylhexyl)phtha...	20.938	149	2779	0.153	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.108	276	8305	0.187	ng	100
37) Benzo(b)fluoranthene	22.456	252	7522	0.200	ng	# 94
38) Benzo(k)fluoranthene	22.497	252	7675m	0.204	ng	
39) Benzo(a)pyrene	22.980	252	6450	0.195	ng	# 90
40) Dibenzo(a,h)anthracene	25.128	278	6620	0.188	ng	96
41) Benzo(g,h,i)perylene	25.725	276	6908	0.184	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

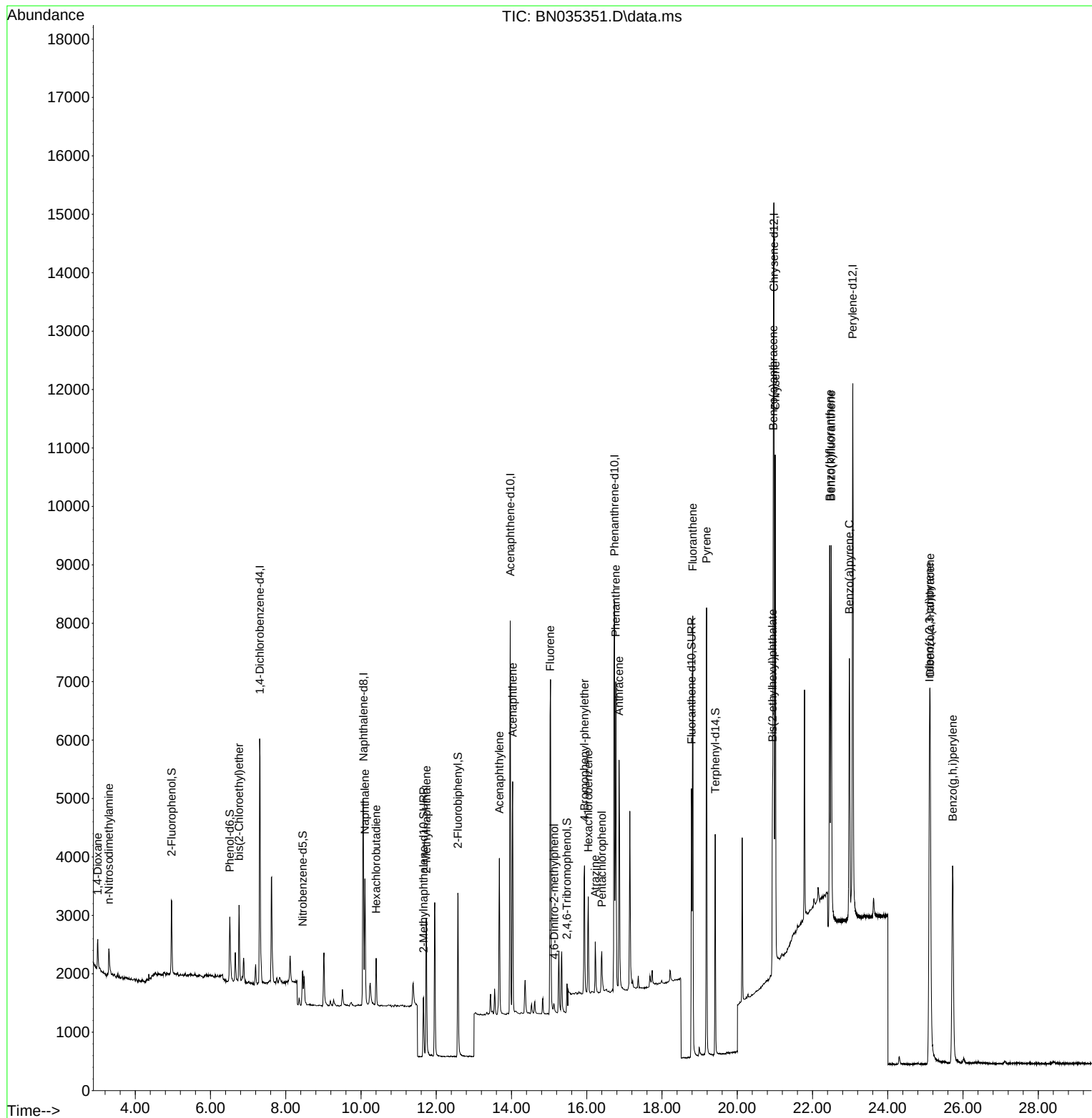
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Data File : BN035351.D
Acq On : 27 Nov 2024 16:10
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

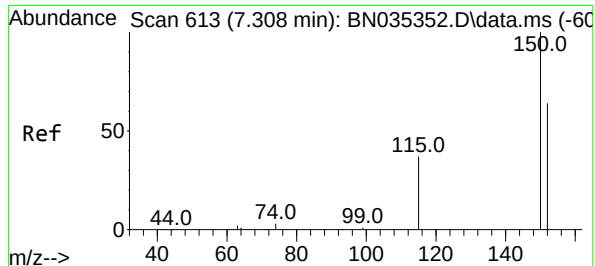
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 27 22:52:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

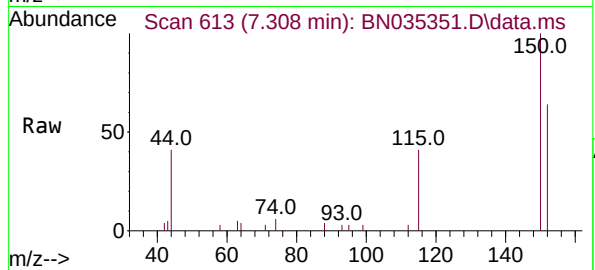
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

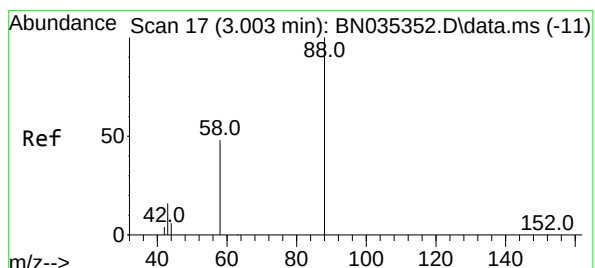
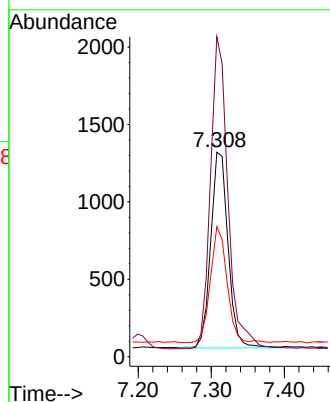
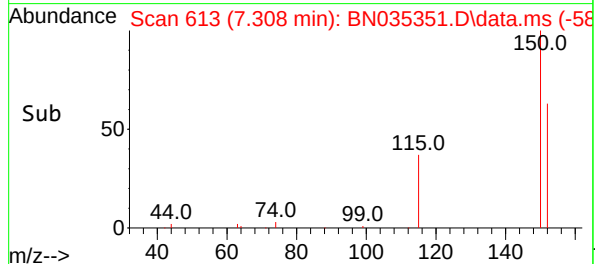
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion: 152 Resp: 2084
Ion Ratio Lower Upper
152 100
150 156.5 124.0 186.0
115 63.5 49.6 74.4

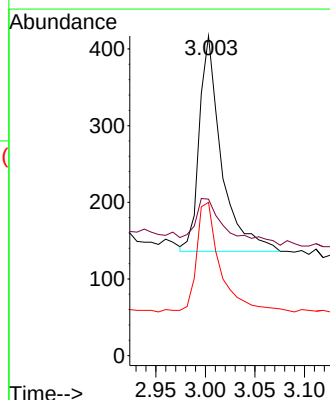
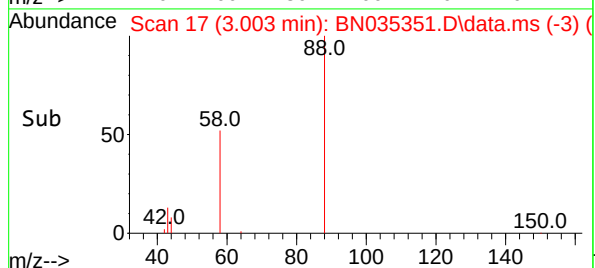
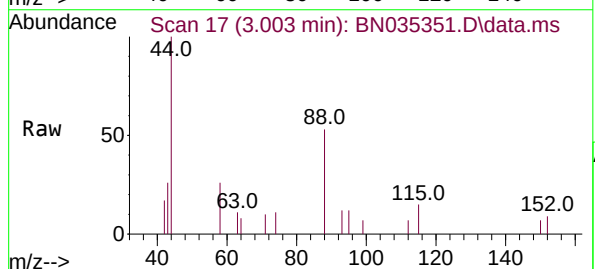
Manual Integrations
APPROVED

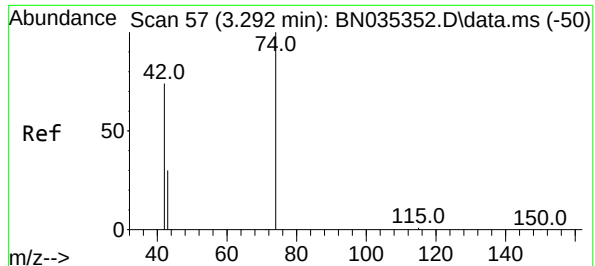
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#2
1,4-Dioxane
Concen: 0.230 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion: 88 Resp: 435
Ion Ratio Lower Upper
88 100
43 29.9 17.2 25.8#
58 55.2 44.5 66.7





#3
n-Nitrosodimethylamine
Concen: 0.179 ng
RT: 3.299 min Scan# 50
Delta R.T. 0.007 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

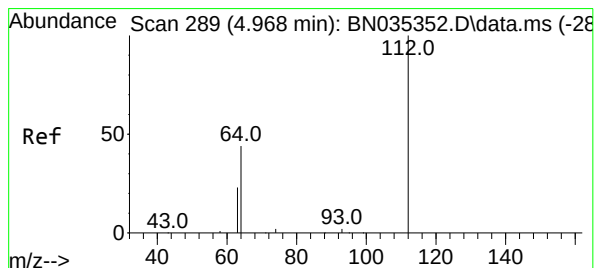
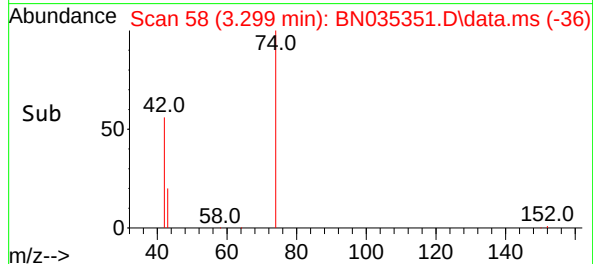
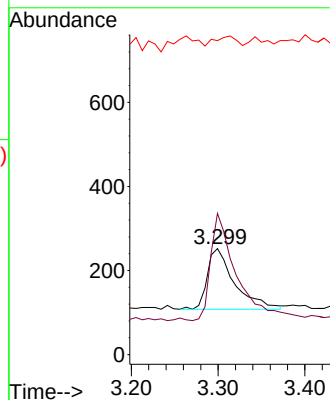
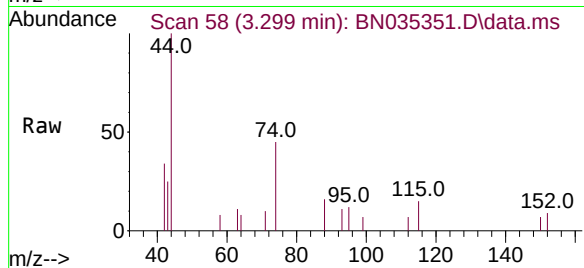
SSTDICC0.2

Tgt Ion: 42 Resp: 315
Ion Ratio Lower Upper
42 100
74 172.4 124.9 187.3
44 16.2 2.2 3.4

Manual Integrations

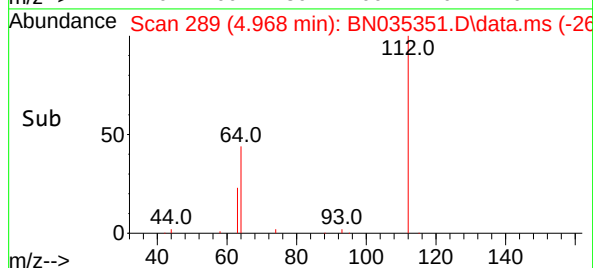
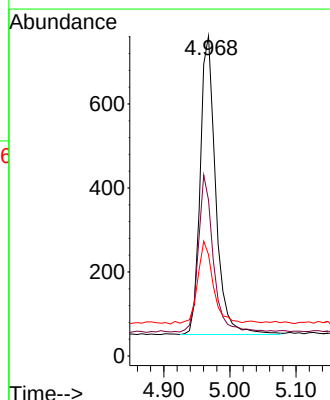
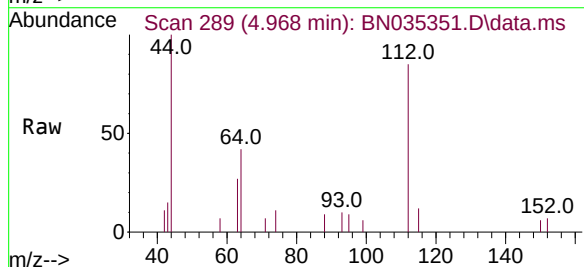
APPROVED

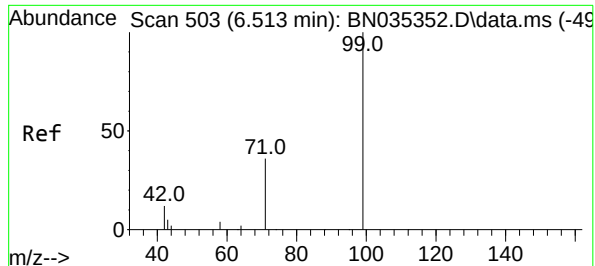
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#4
2-Fluorophenol
Concen: 0.219 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:112 Resp: 1159
Ion Ratio Lower Upper
112 100
64 51.2 39.8 59.8
63 27.9 21.0 31.6





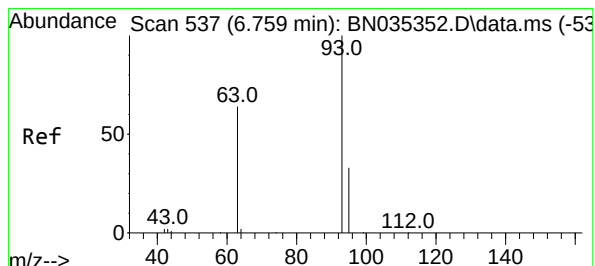
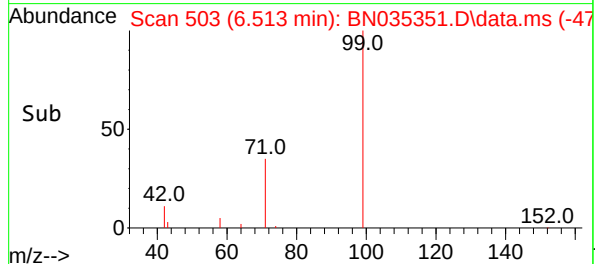
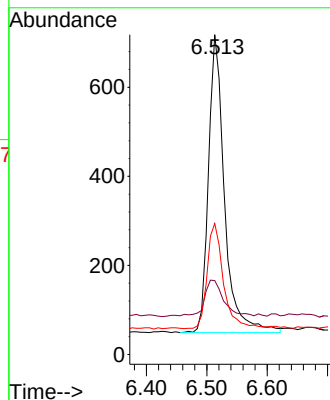
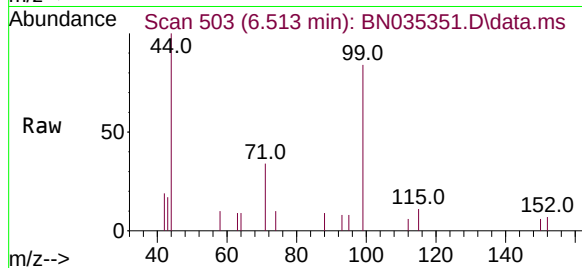
#5
Phenol-d6
Concen: 0.186 ng
RT: 6.513 min Scan# 503
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 1230
Ion Ratio Lower Upper
99 100
42 15.0 11.4 17.2
71 35.8 29.3 43.9

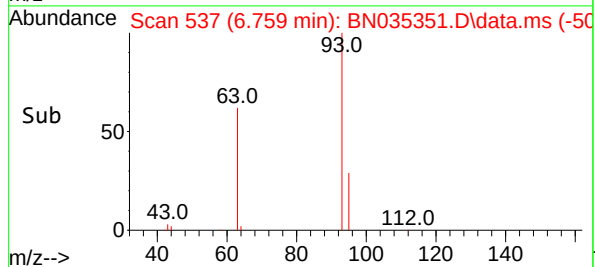
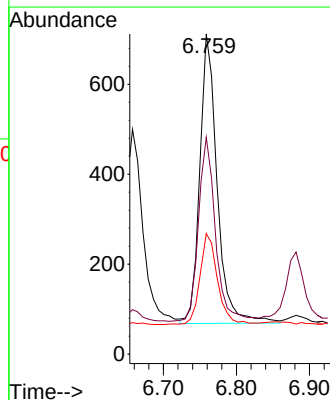
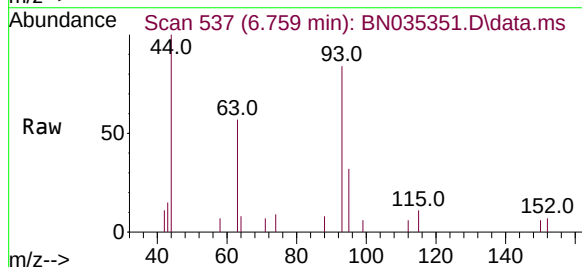
Manual Integrations
APPROVED

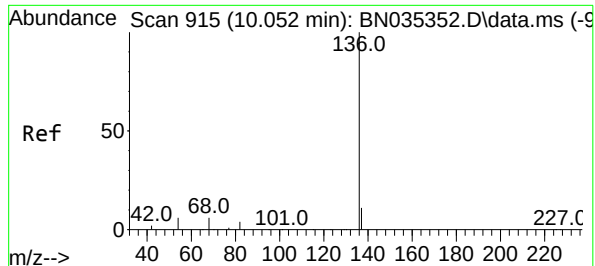
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#6
bis(2-Chloroethyl)ether
Concen: 0.214 ng
RT: 6.759 min Scan# 537
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

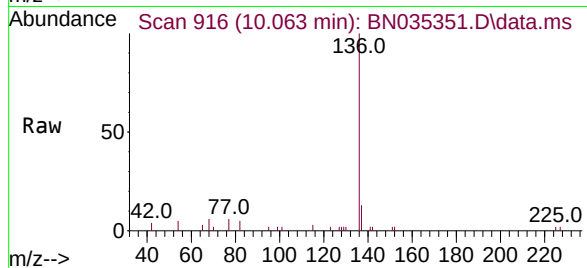
Tgt Ion: 93 Resp: 1064
Ion Ratio Lower Upper
93 100
63 62.2 50.4 75.6
95 31.6 25.7 38.5





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 915
Delta R.T. 0.011 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

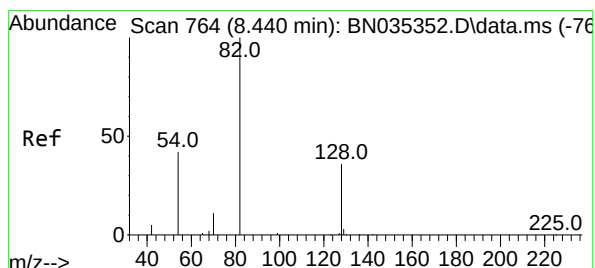
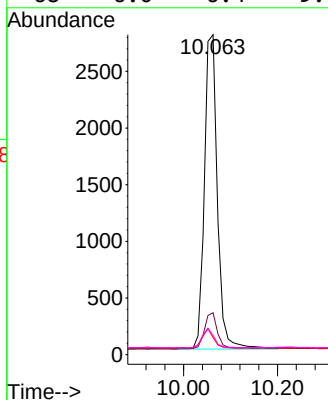
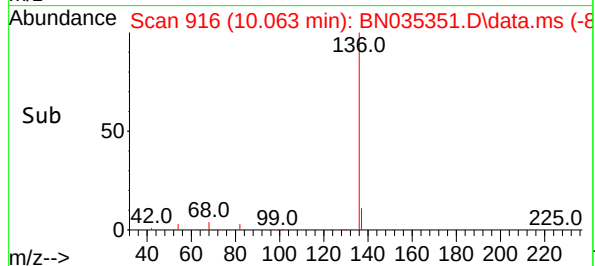
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion: 136 Resp: 5334
Ion Ratio Lower Upper
136 100
137 13.1 10.2 15.2
54 5.3 6.1 9.1
68 6.0 6.4 9.6#

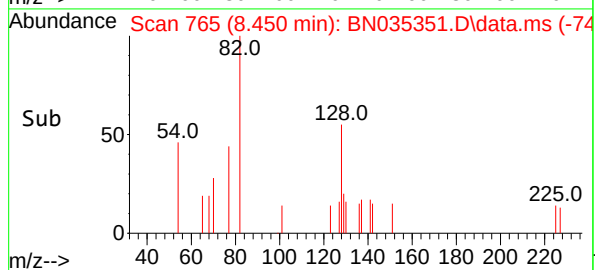
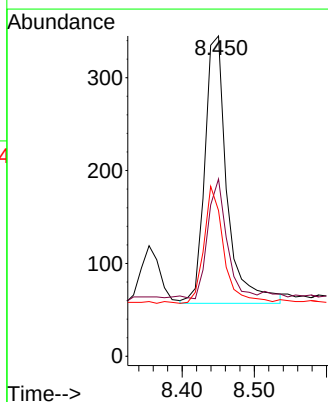
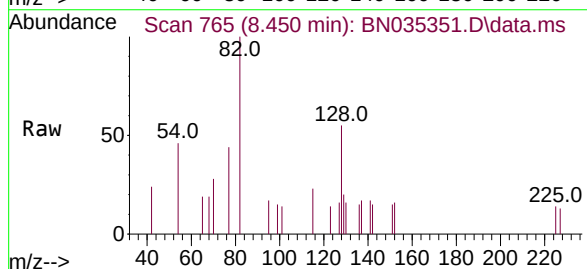
Manual Integrations
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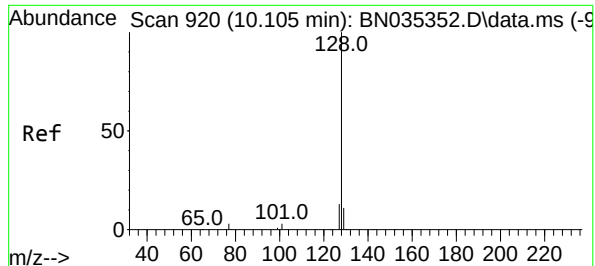
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#8
Nitrobenzene-d5
Concen: 0.133 ng m
RT: 8.450 min Scan# 765
Delta R.T. 0.011 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion: 82 Resp: 618
Ion Ratio Lower Upper
82 100
128 55.4 33.4 50.0#
54 45.5 36.7 55.1





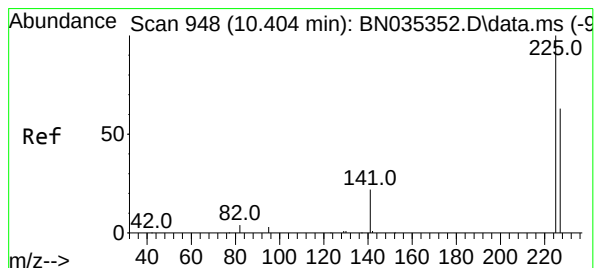
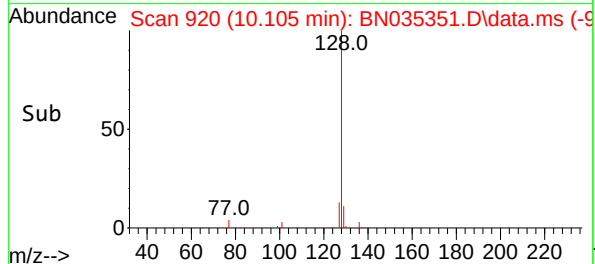
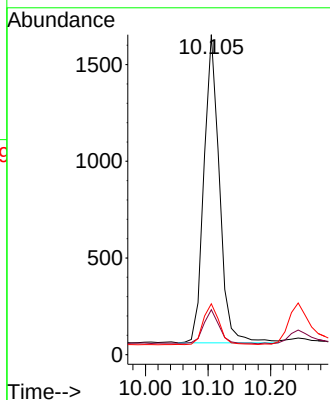
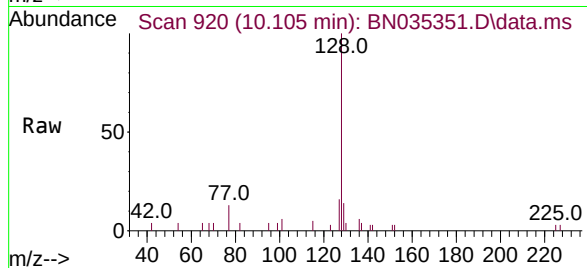
#9
Naphthalene
Concen: 0.197 ng
RT: 10.105 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 2744
Ion Ratio Lower Upper
128 100
129 14.0 9.8 14.6
127 15.9 11.4 17.2

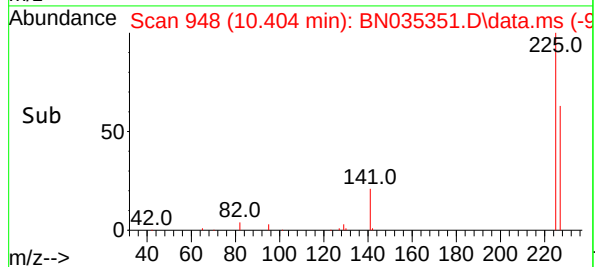
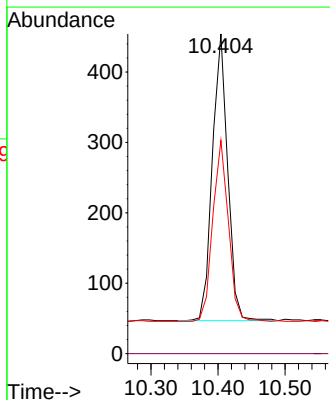
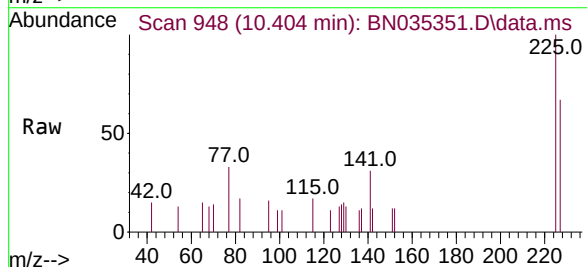
Manual Integrations
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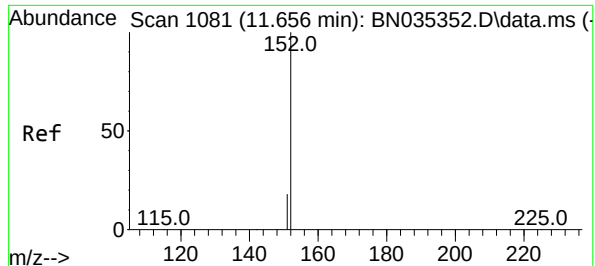
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#10
Hexachlorobutadiene
Concen: 0.158 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

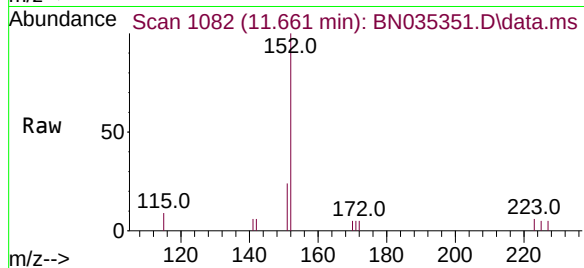
Tgt Ion:225 Resp: 646
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.7 51.3 76.9





#11
2-Methylnaphthalene-d10
Concen: 0.169 ng
RT: 11.661 min Scan# 1082
Delta R.T. 0.005 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

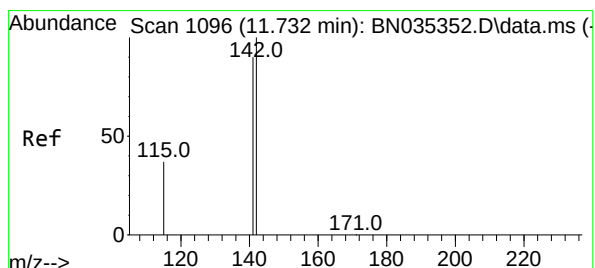
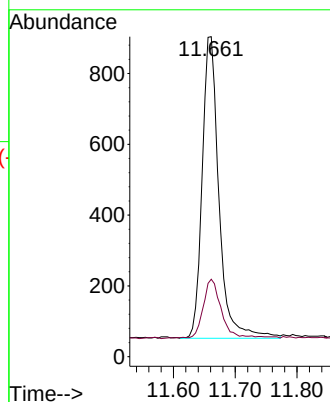
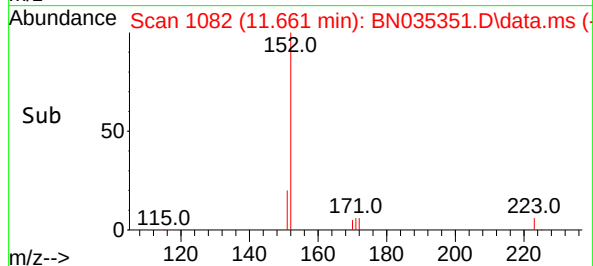
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:152 Resp: 1608
Ion Ratio Lower Upper
152 100
151 22.3 16.6 25.0

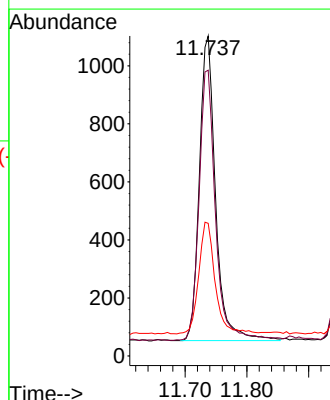
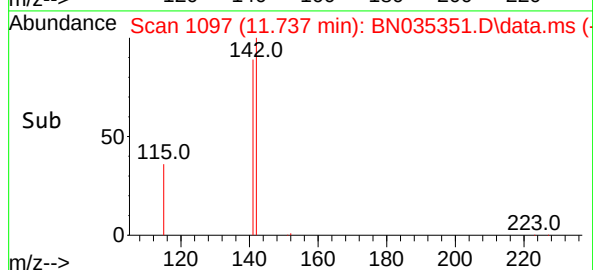
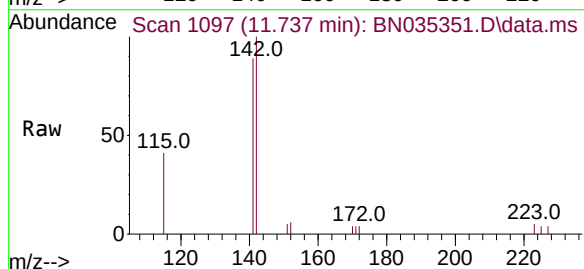
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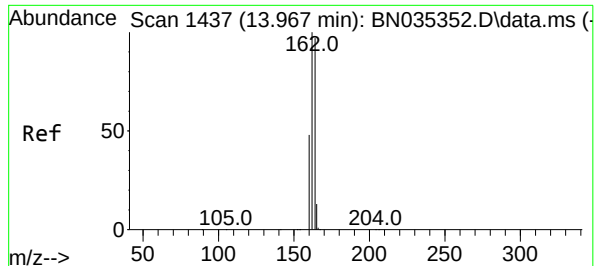
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#12
2-Methylnaphthalene
Concen: 0.186 ng
RT: 11.737 min Scan# 1097
Delta R.T. 0.005 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

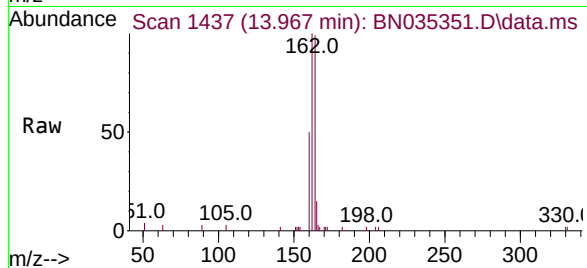
Tgt Ion:142 Resp: 1910
Ion Ratio Lower Upper
142 100
141 89.3 72.2 108.4
115 41.4 31.4 47.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

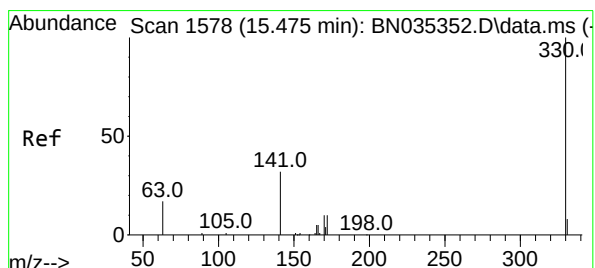
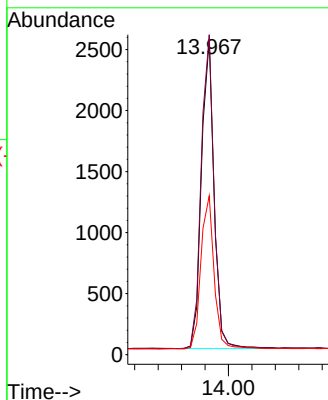
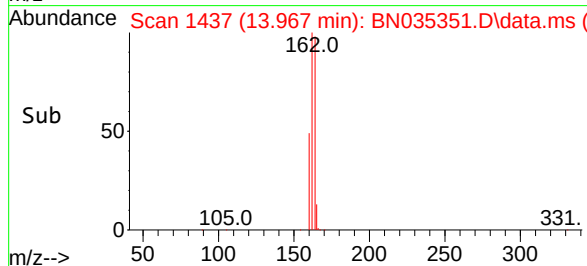
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:164 Resp: 380
Ion Ratio Lower Upper
164 100
162 101.5 82.2 123.2
160 50.4 40.1 60.1

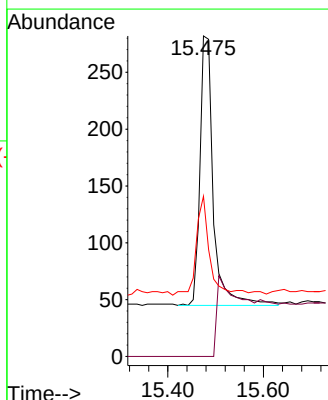
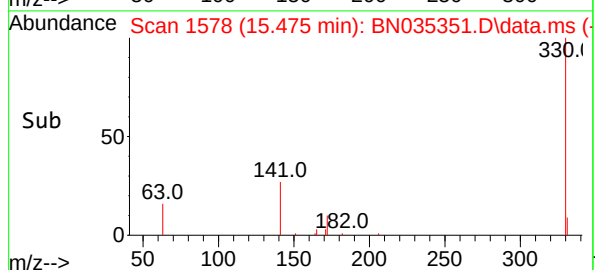
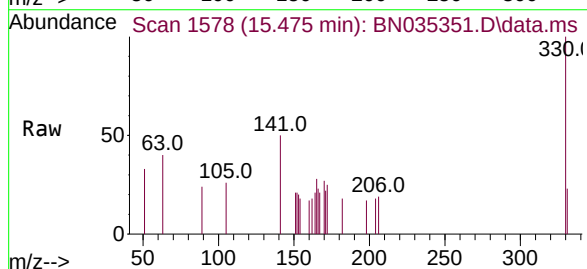
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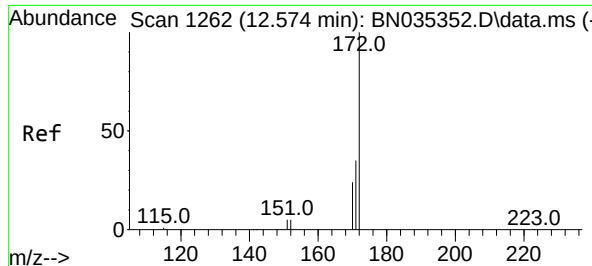
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#14
2,4,6-Tribromophenol
Concen: 0.179 ng
RT: 15.475 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:330 Resp: 492
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 37.2 26.6 40.0





#15

2-Fluorobiphenyl

Concen: 0.184 ng

RT: 12.574 min Scan# 1262

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:172 Resp: 2838

Ion Ratio Lower Upper

172 100

171 37.9 29.0 43.4

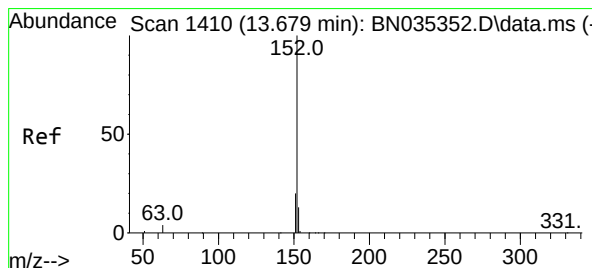
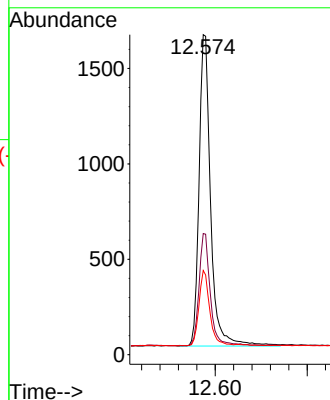
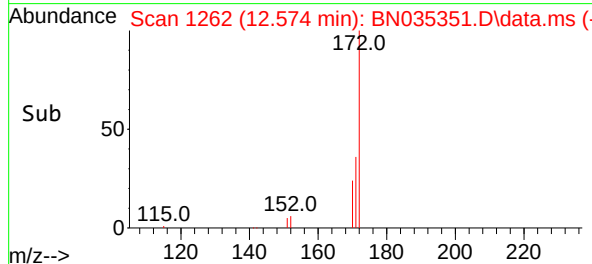
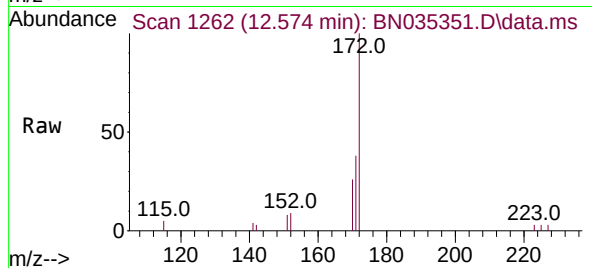
170 26.3 19.8 29.8

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#16

Acenaphthylene

Concen: 0.187 ng

RT: 13.678 min Scan# 1410

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

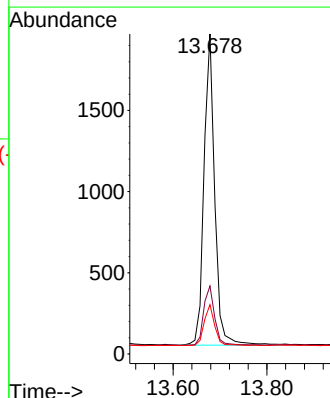
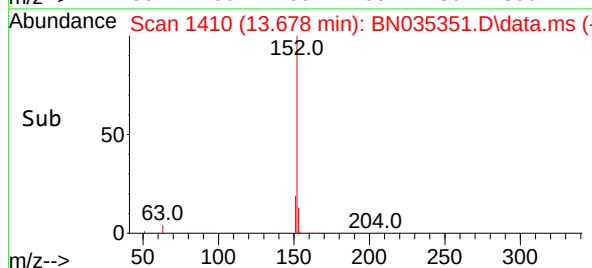
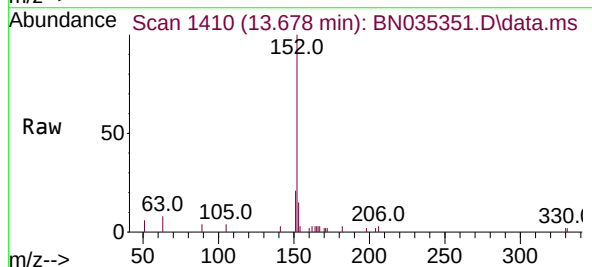
Tgt Ion:152 Resp: 3047

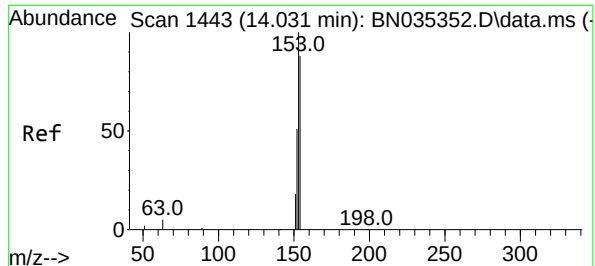
Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.2

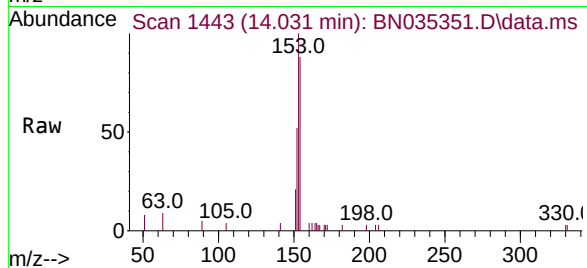
153 12.9 10.4 15.6





#17
Acenaphthene
Concen: 0.194 ng
RT: 14.031 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

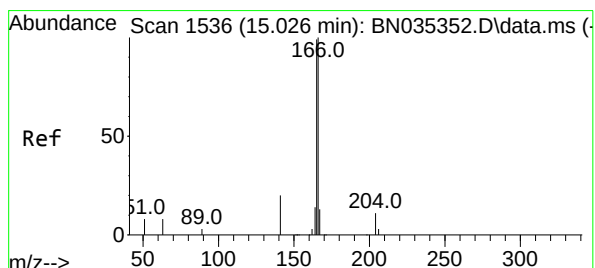
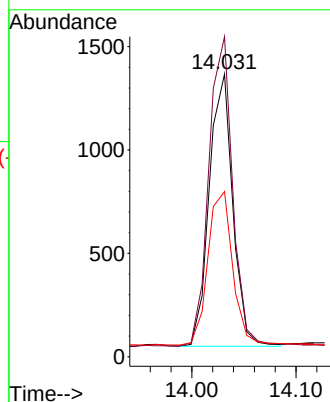
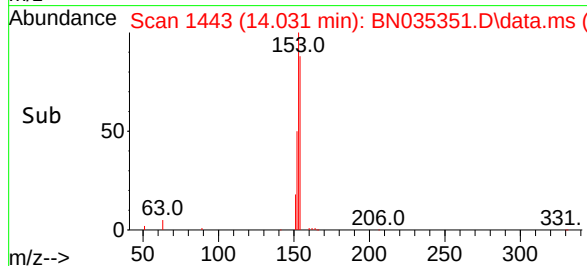
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:154 Resp: 2064
Ion Ratio Lower Upper
154 100
153 115.2 92.6 139.0
152 60.7 49.0 73.6

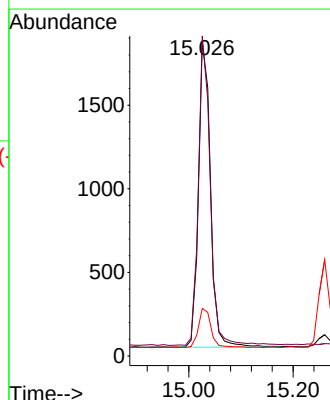
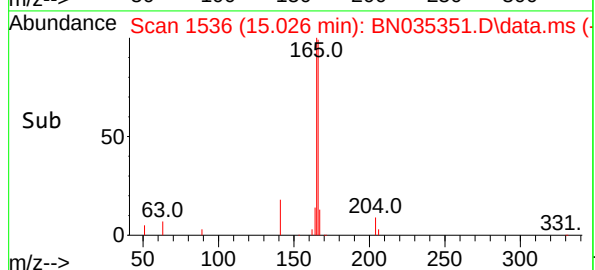
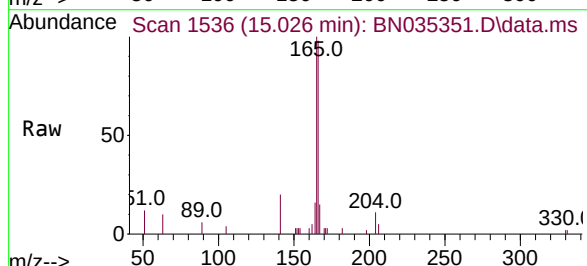
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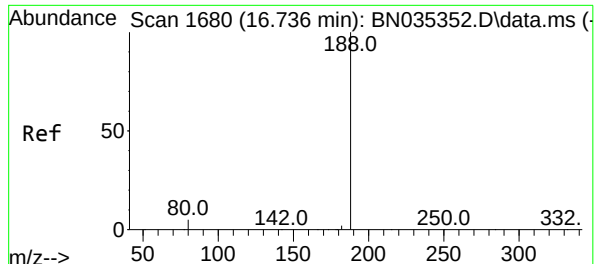
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#18
Fluorene
Concen: 0.188 ng
RT: 15.026 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:166 Resp: 2949
Ion Ratio Lower Upper
166 100
165 99.1 79.7 119.5
167 14.1 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.735 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:188 Resp: 990

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

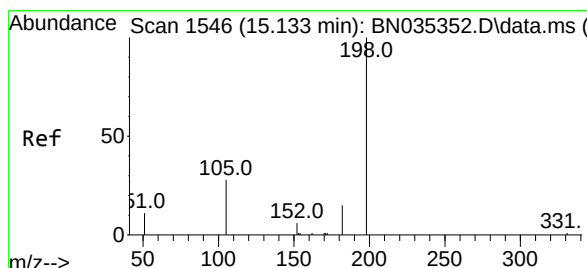
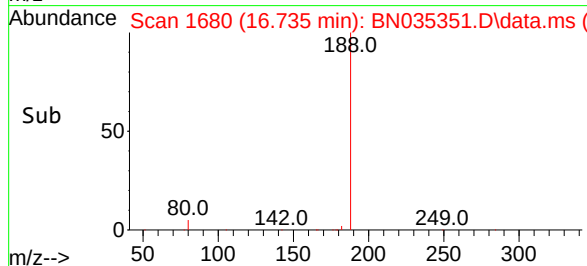
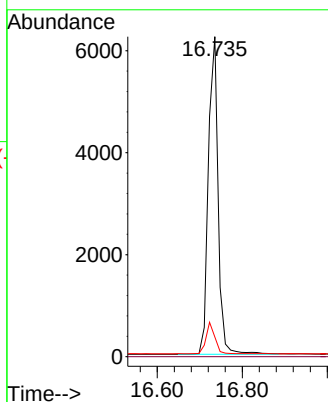
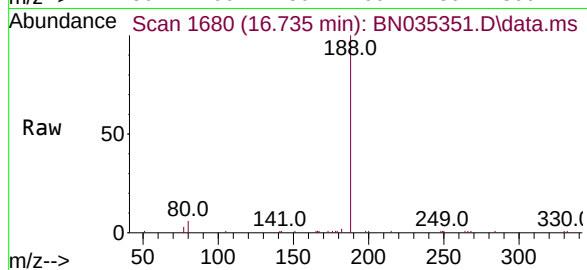
80 6.2 4.6 6.8

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#20

4,6-Dinitro-2-methylphenol

Concen: 0.074 ng

RT: 15.132 min Scan# 1546

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

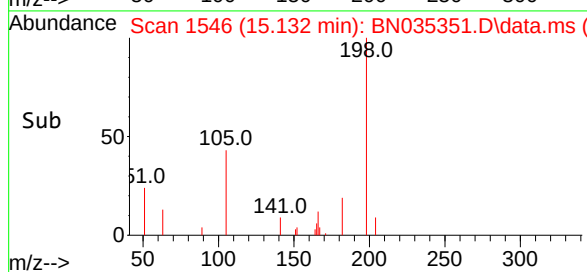
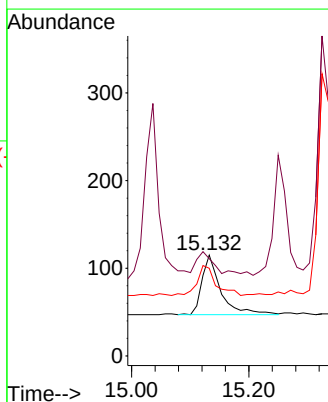
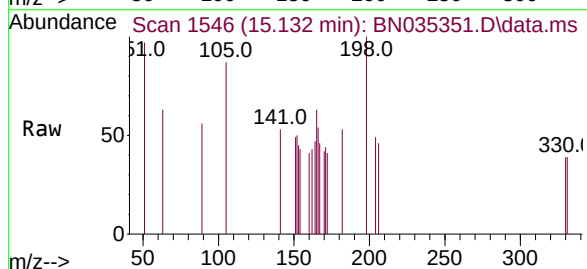
Tgt Ion:198 Resp: 153

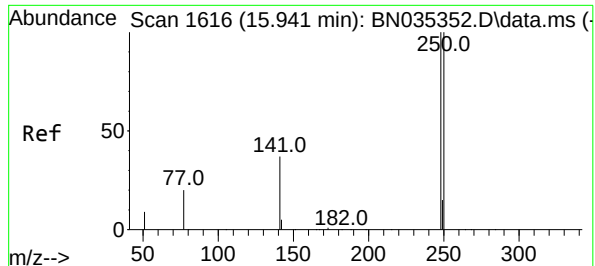
Ion Ratio Lower Upper

198 100

51 96.5 46.5 69.7#

105 87.0 45.3 67.9#





#21
4-Bromophenyl-phenylether
Concen: 0.171 ng
RT: 15.941 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

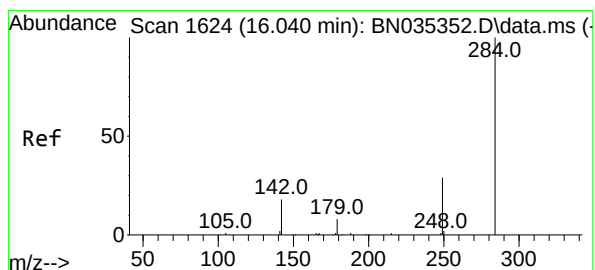
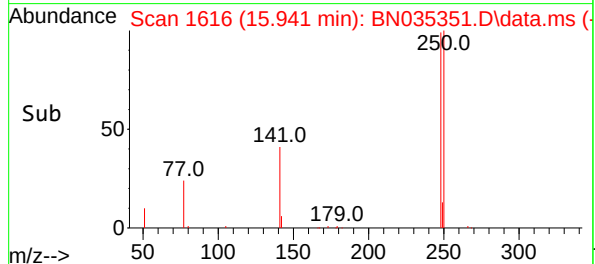
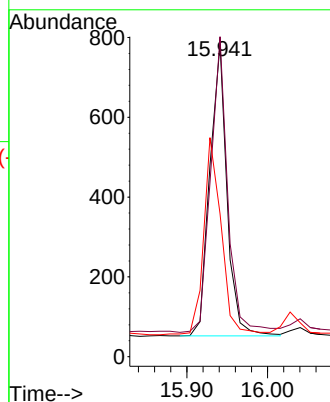
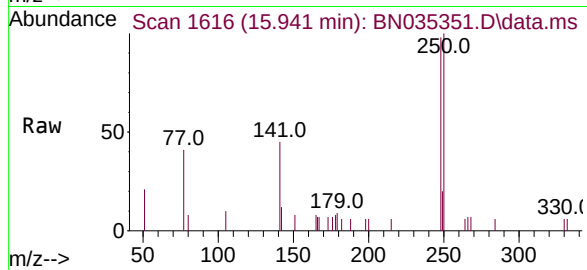
ClientSampleId :

SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
248	100		
250	102.3	80.6	120.8
141	45.7	31.5	47.3

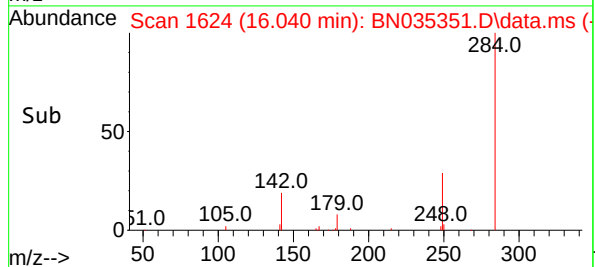
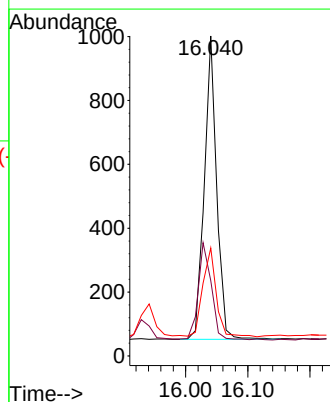
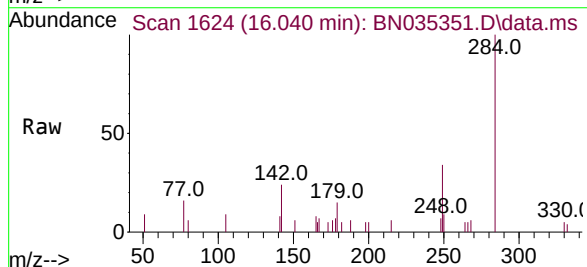
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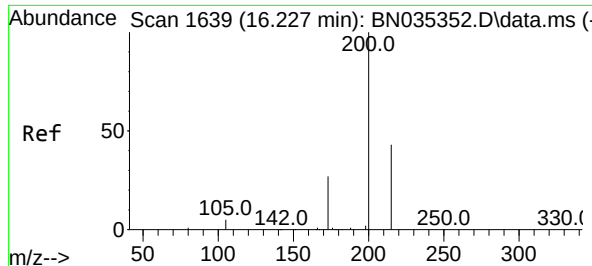
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#22
Hexachlorobenzene
Concen: 0.201 ng
RT: 16.040 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

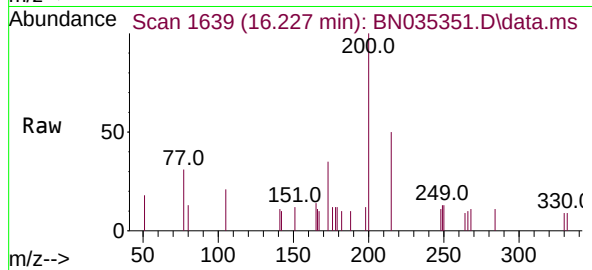
Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.2	26.7	40.1
249	32.0	24.6	36.8





#23
Atrazine
Concen: 0.136 ng
RT: 16.227 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

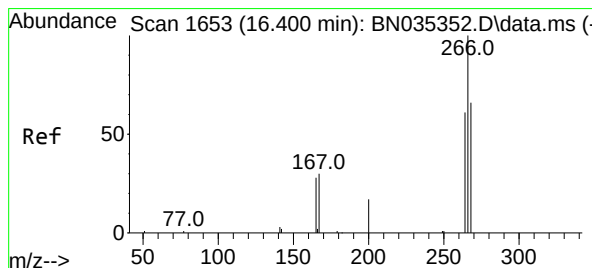
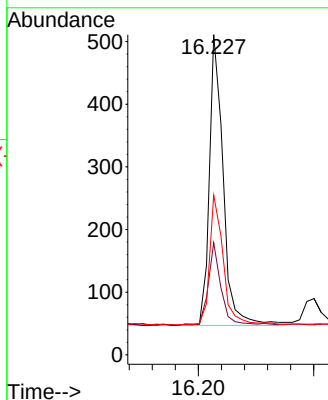
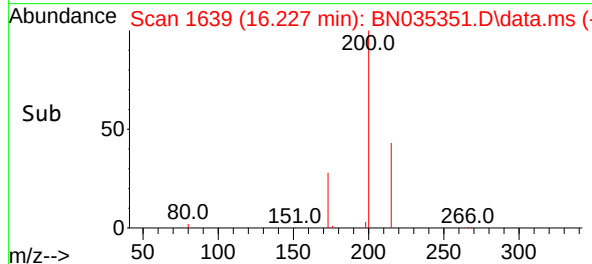
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:200 Resp: 770
Ion Ratio Lower Upper
200 100
173 35.0 24.1 36.1
215 49.9 36.9 55.3

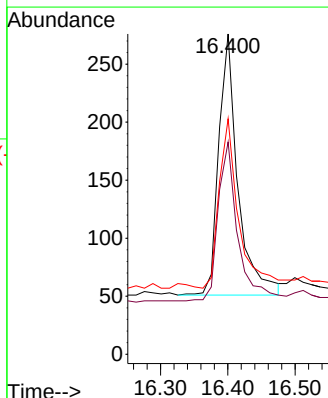
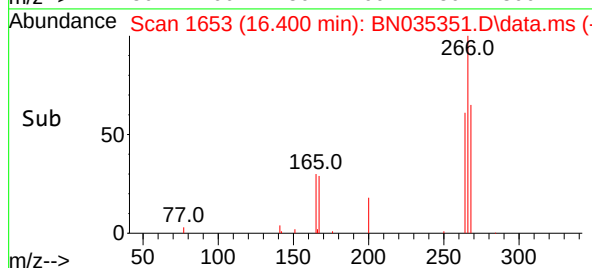
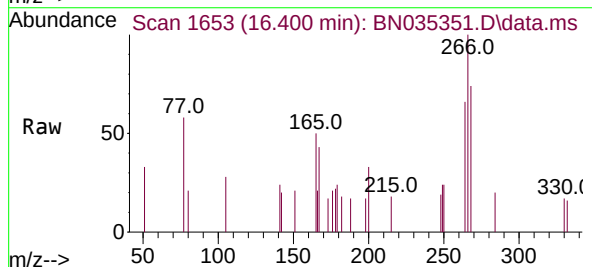
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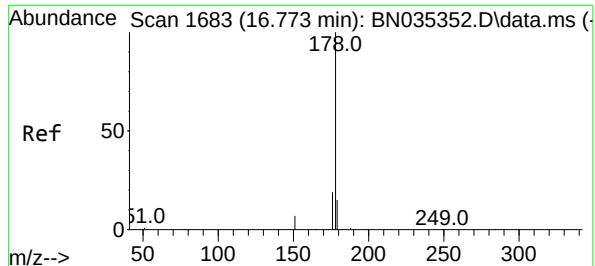
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#24
Pentachlorophenol
Concen: 0.145 ng
RT: 16.400 min Scan# 1653
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:266 Resp: 445
Ion Ratio Lower Upper
266 100
264 62.7 42.3 63.5
268 67.2 43.3 64.9#





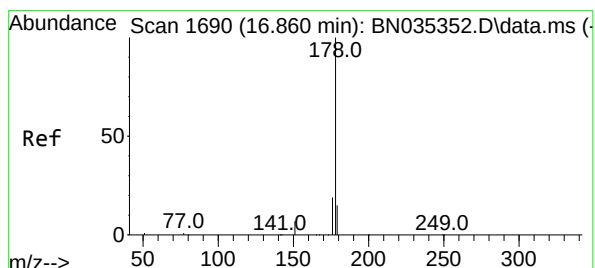
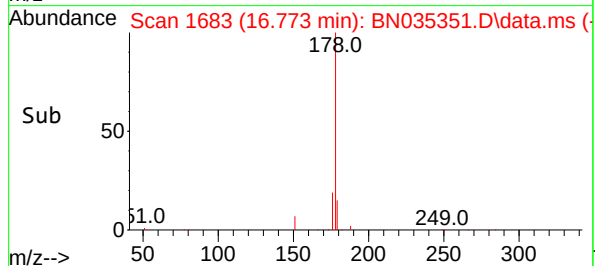
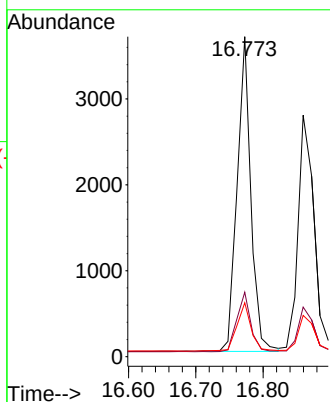
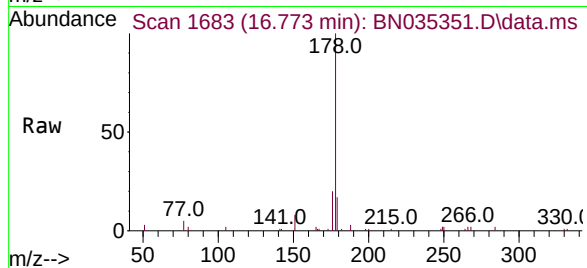
#25
Phenanthrene
Concen: 0.199 ng
RT: 16.773 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 518
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.9 12.3 18.5

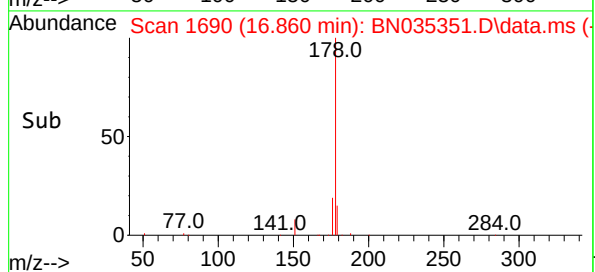
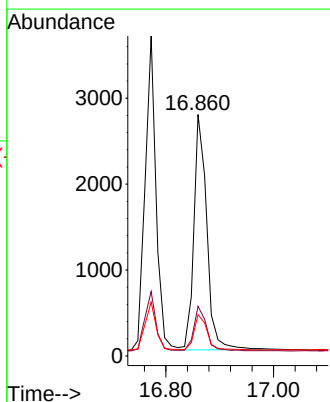
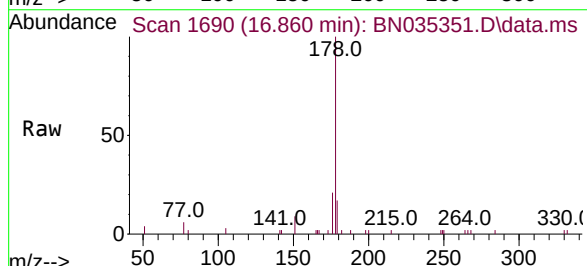
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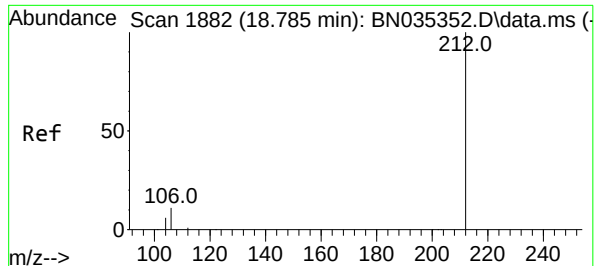
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#26
Anthracene
Concen: 0.191 ng
RT: 16.860 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:178 Resp: 4571
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.4 12.6 18.8





#27

Fluoranthene-d10

Concen: 0.177 ng

RT: 18.784 min Scan# 1882

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

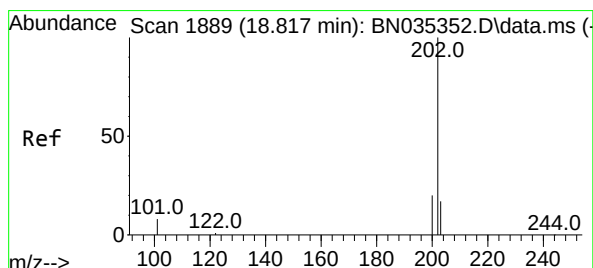
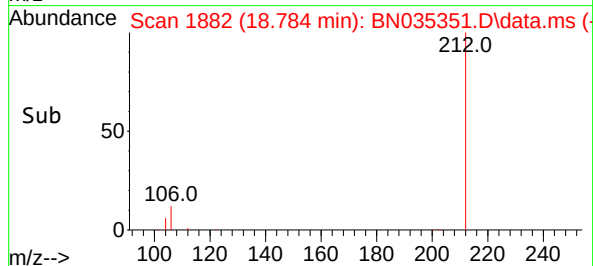
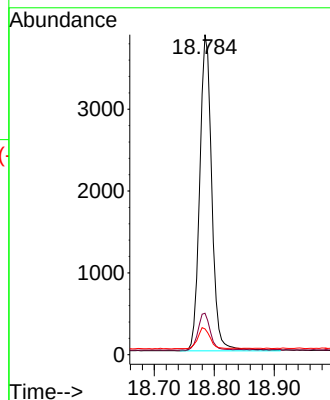
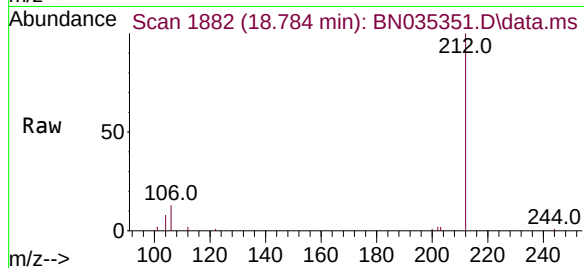
SSTDICC0.2

Tgt Ion:	212	Resp:	5379
Ion Ratio	Lower	Upper	
212	100		
106	11.8	9.2	13.8
104	6.9	5.3	7.9

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#28

Fluoranthene

Concen: 0.193 ng

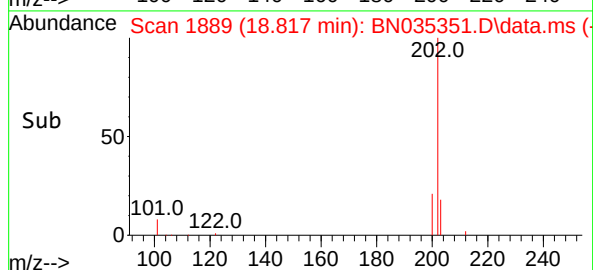
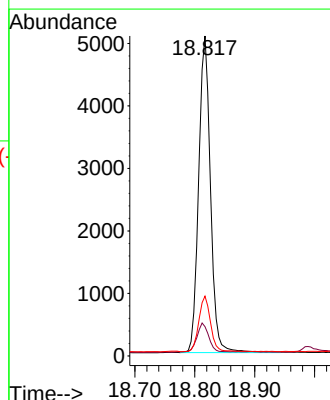
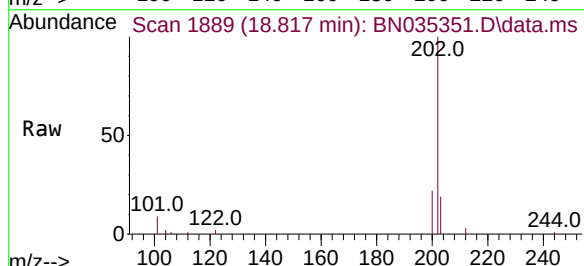
RT: 18.817 min Scan# 1889

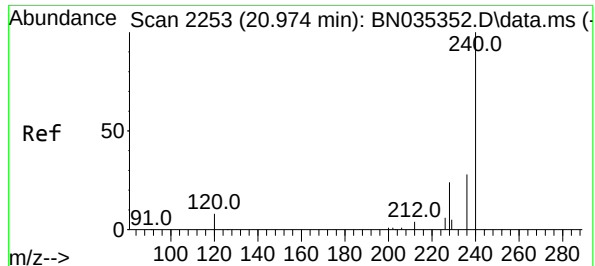
Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Tgt Ion:	202	Resp:	6914
Ion Ratio	Lower	Upper	
202	100		
101	9.3	7.4	11.0
203	17.3	13.7	20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.974 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:240 Resp: 996

Ion Ratio Lower Upper

240 100

120 11.3 7.9 11.9

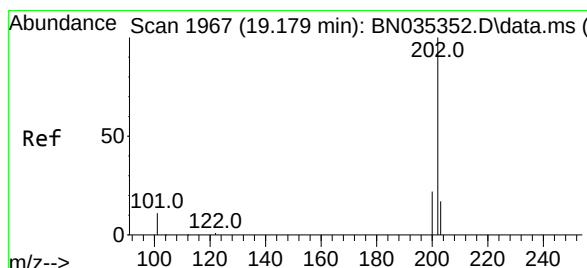
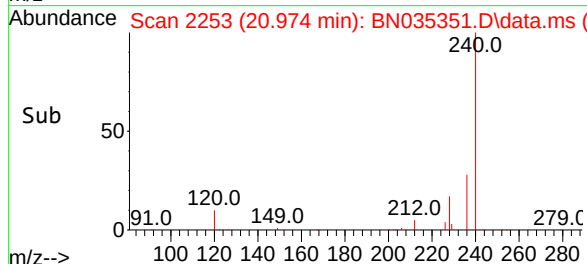
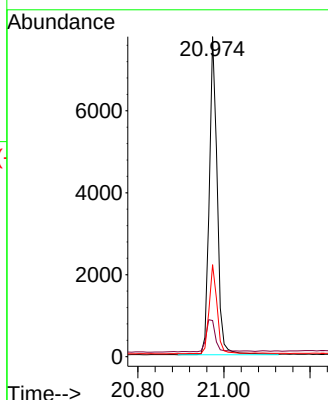
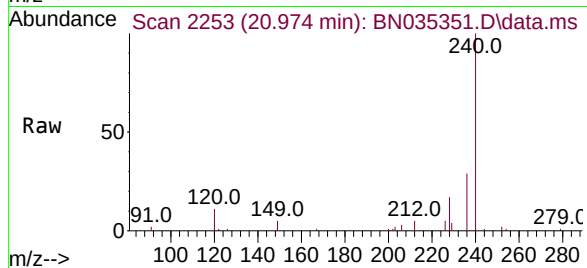
236 28.8 22.9 34.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#30

Pyrene

Concen: 0.217 ng

RT: 19.184 min Scan# 1968

Delta R.T. 0.005 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

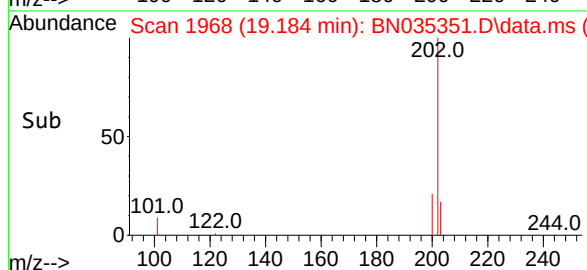
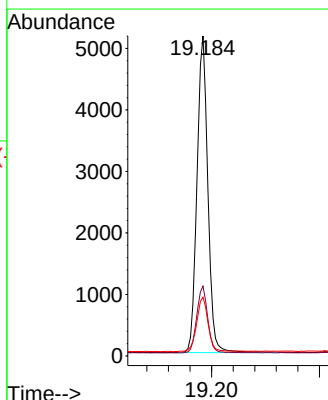
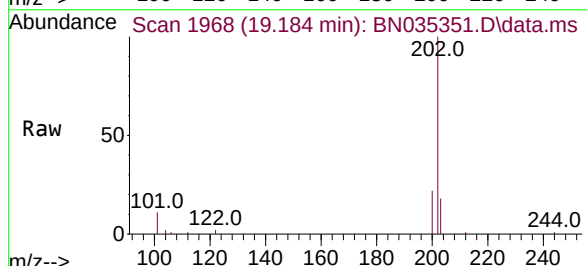
Tgt Ion:202 Resp: 7198

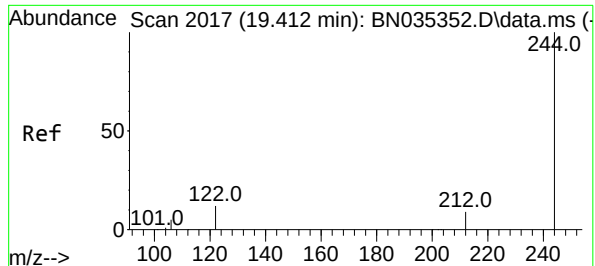
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

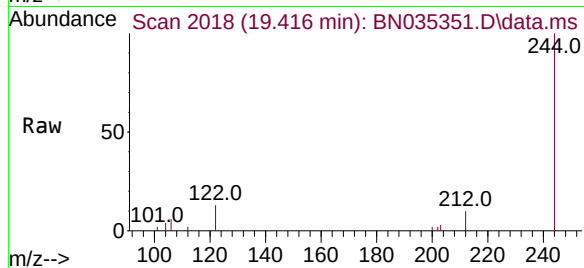
203 18.0 14.3 21.5





#31
Terphenyl-d14
Concen: 0.185 ng
RT: 19.416 min Scan# 2017
Delta R.T. 0.005 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

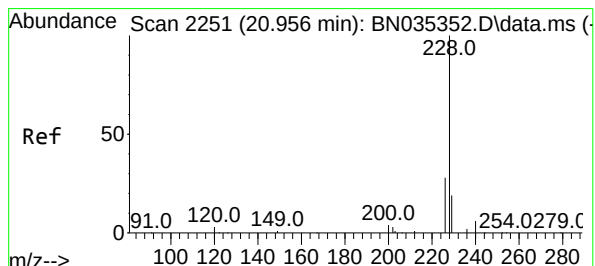
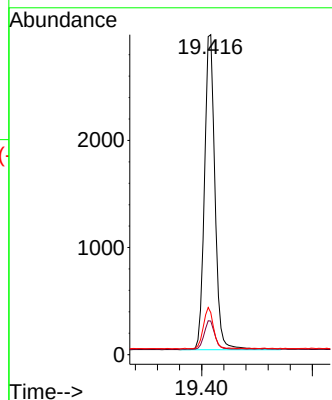
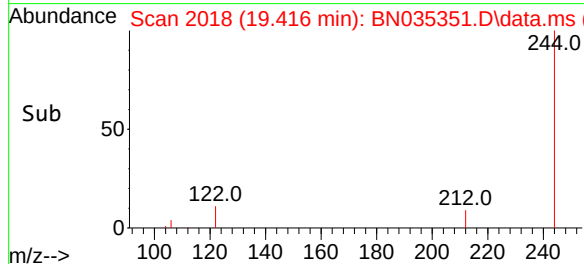
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:244 Resp: 387
Ion Ratio Lower Upper
244 100
212 10.5 8.1 12.1
122 13.1 10.3 15.5

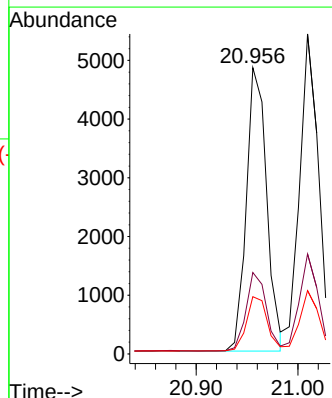
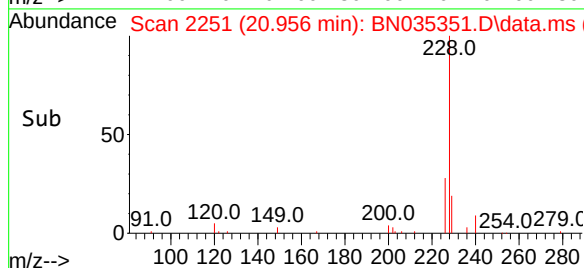
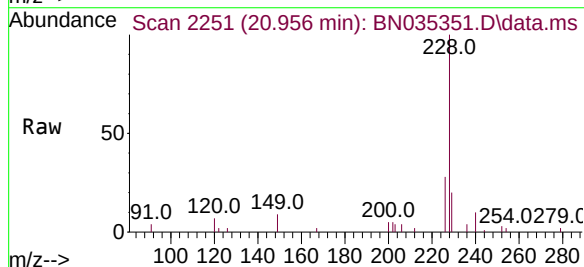
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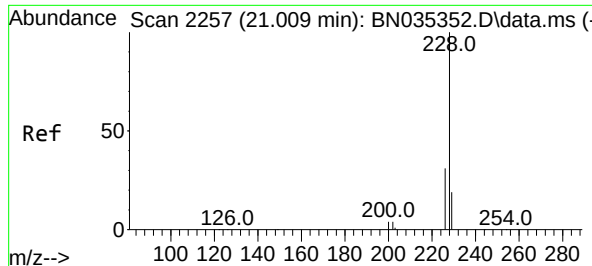
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#32
Benzo(a)anthracene
Concen: 0.193 ng
RT: 20.956 min Scan# 2251
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:228 Resp: 6691
Ion Ratio Lower Upper
228 100
226 28.4 22.5 33.7
229 20.0 15.8 23.8





#33

Chrysene

Concen: 0.211 ng

RT: 21.009 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

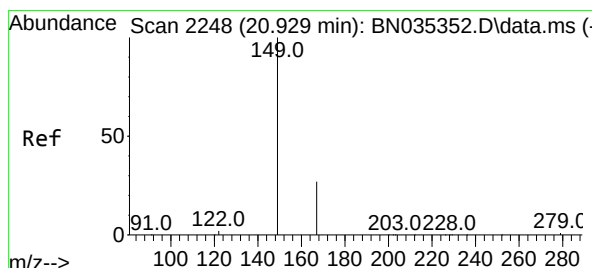
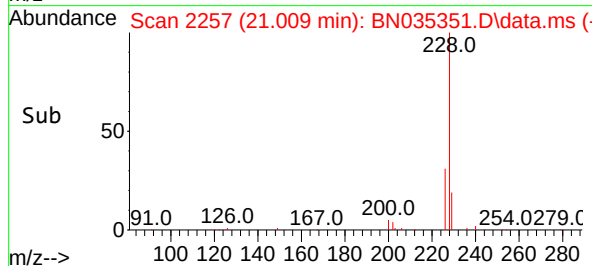
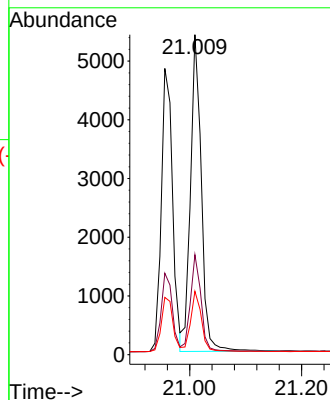
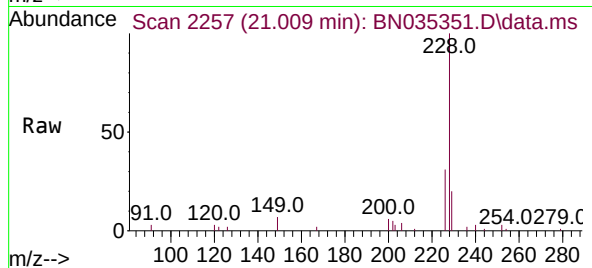
SSTDICC0.2

Tgt Ion:	228	Resp:	7234
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.6	37.0
229	19.8	15.9	23.9

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.153 ng

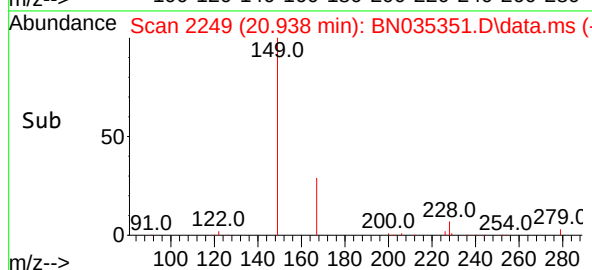
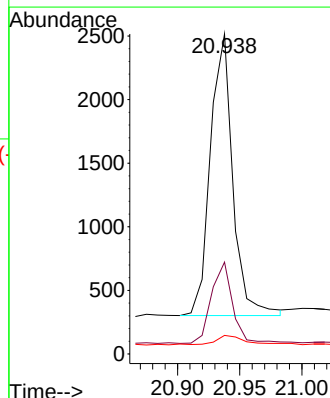
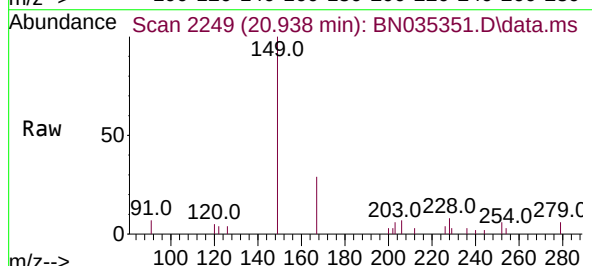
RT: 20.938 min Scan# 2249

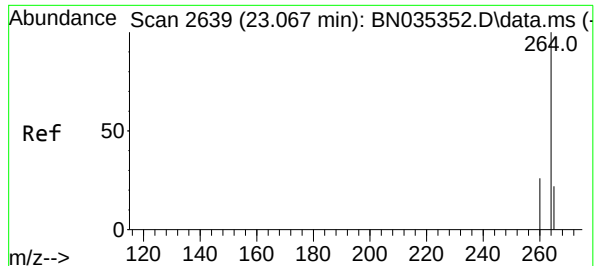
Delta R.T. 0.009 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

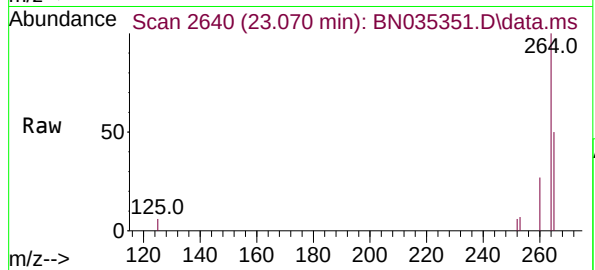
Tgt Ion:	149	Resp:	2779
Ion Ratio	Lower	Upper	
149	100		
167	27.5	22.2	33.4
279	4.8	2.7	4.1#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.070 min Scan# 2640
Delta R.T. 0.003 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

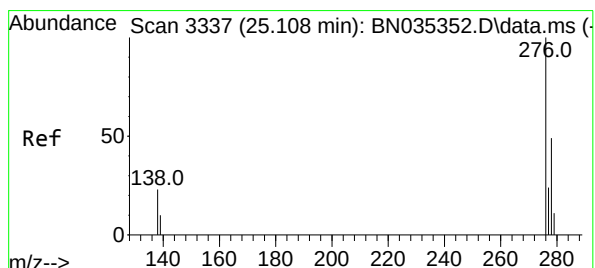
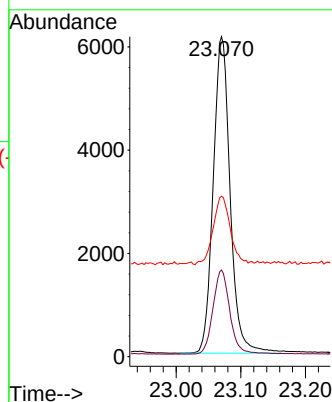
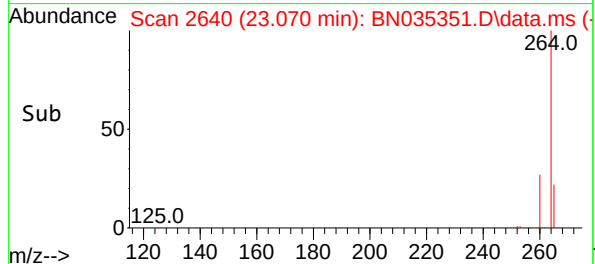
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:264 Resp: 11158
Ion Ratio Lower Upper
264 100
260 27.1 21.4 32.2
265 50.2 40.2 60.4

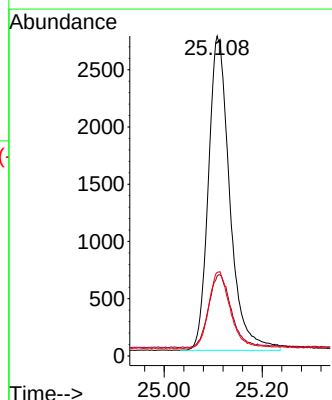
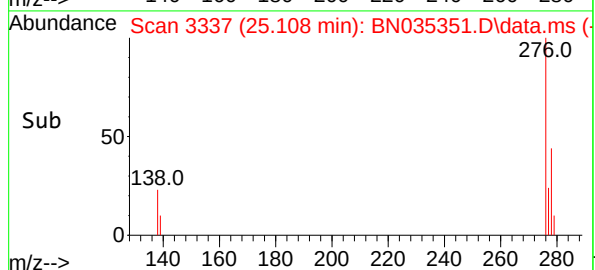
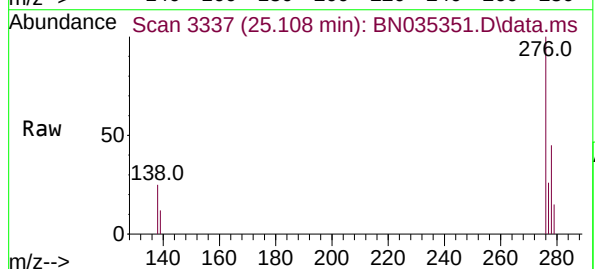
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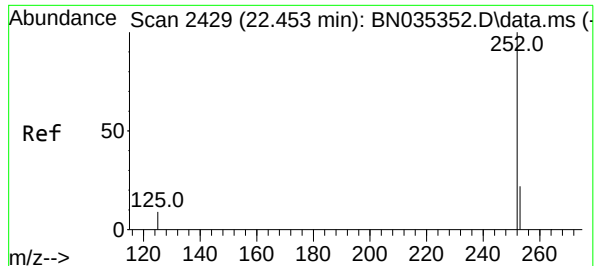
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.187 ng
RT: 25.108 min Scan# 3337
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:276 Resp: 8305
Ion Ratio Lower Upper
276 100
138 24.3 19.4 29.0
277 24.7 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.200 ng

RT: 22.456 min Scan# 2429

Delta R.T. 0.003 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

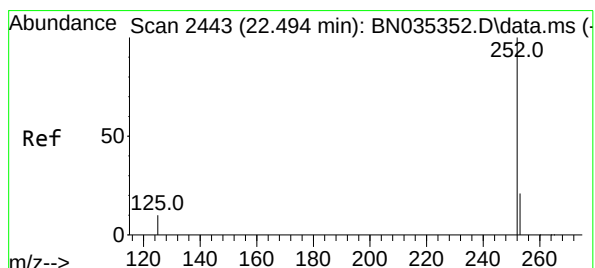
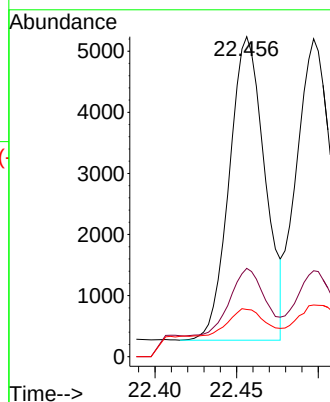
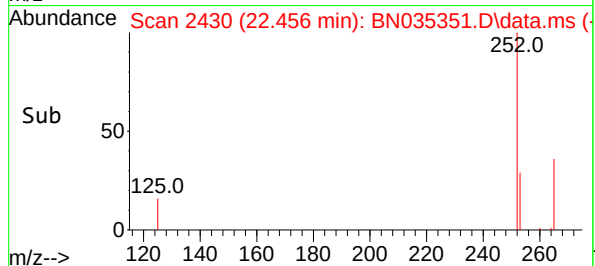
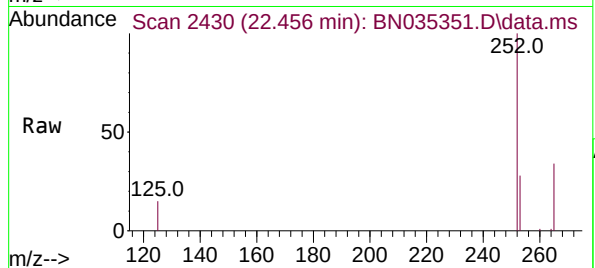
Tgt Ion:	252	Resp:	752
Ion Ratio	Lower	Upper	
252	100		
253	27.6	19.6	29.4
125	14.8	9.6	14.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#38

Benzo(k)fluoranthene

Concen: 0.204 ng m

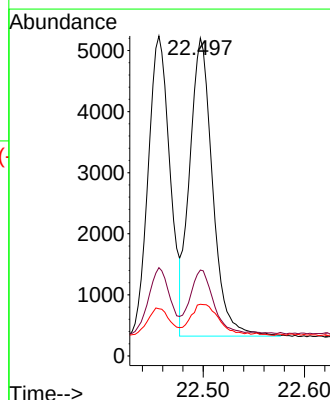
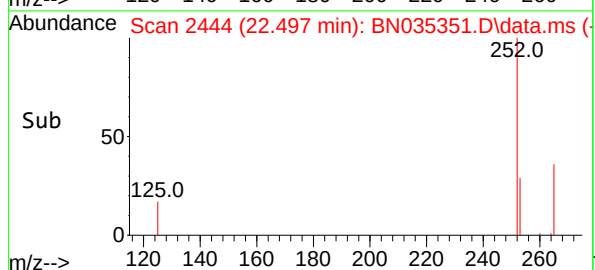
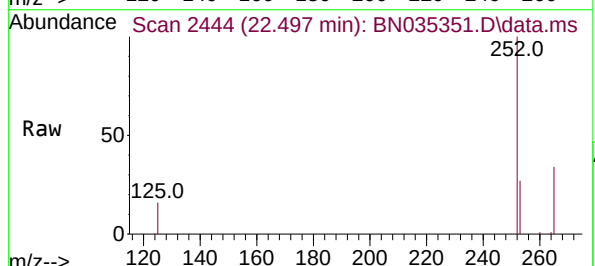
RT: 22.497 min Scan# 2444

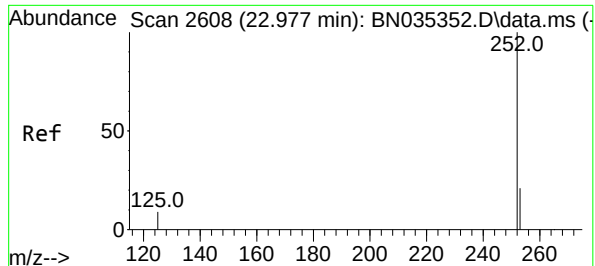
Delta R.T. 0.003 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Tgt Ion:	252	Resp:	7675
Ion Ratio	Lower	Upper	
252	100		
253	27.0	19.5	29.3
125	16.2	10.2	15.4





#39

Benzo(a)pyrene

Concen: 0.195 ng

RT: 22.980 min Scan# 2609

Delta R.T. 0.003 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

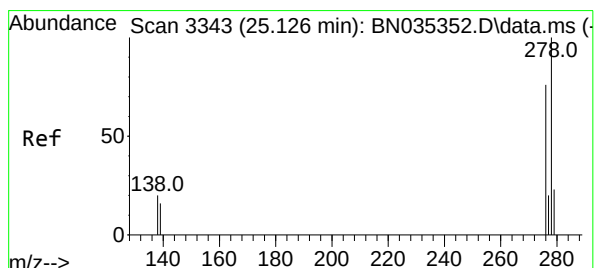
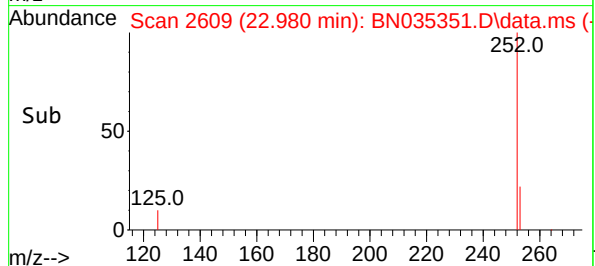
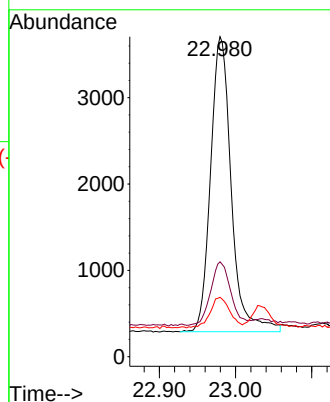
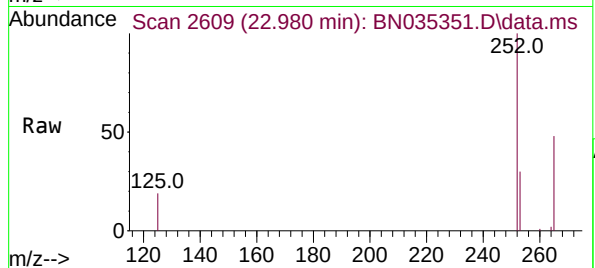
SSTDICC0.2

Tgt Ion:252	Resp:	6450
Ion Ratio	Lower	Upper
252	100	
253	29.7	20.2 30.4
125	18.5	10.9 16.3

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Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.188 ng

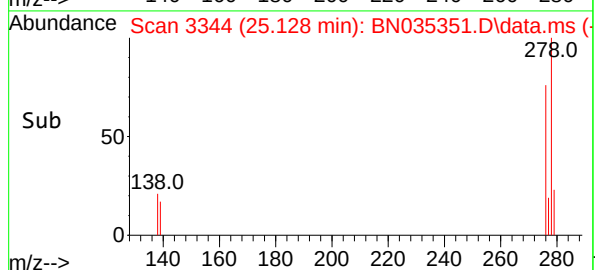
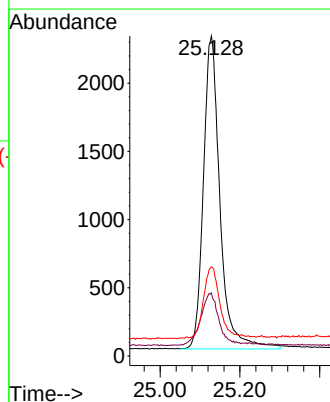
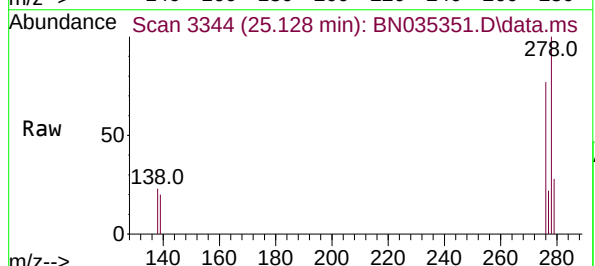
RT: 25.128 min Scan# 3344

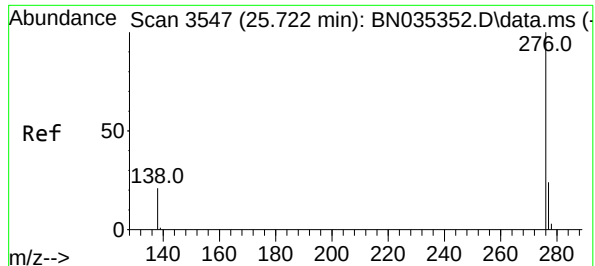
Delta R.T. 0.003 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Tgt Ion:278	Resp:	6620
Ion Ratio	Lower	Upper
278	100	
139	19.7	14.2 21.4
279	27.9	20.5 30.7





#41

Benzo(g,h,i)perylene

Concen: 0.184 ng

RT: 25.725 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN035351.D

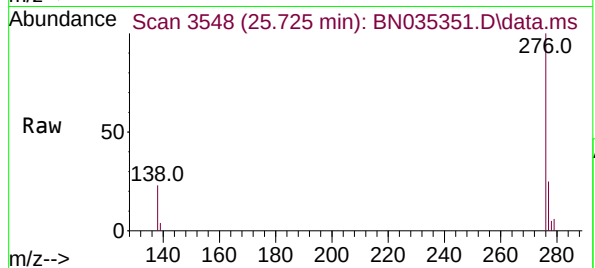
Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



Tgt Ion:276 Resp: 6908

Ion Ratio Lower Upper

276 100

277 25.5 19.9 29.9

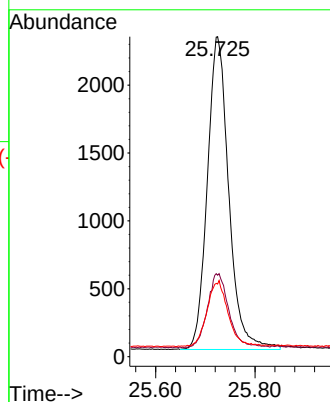
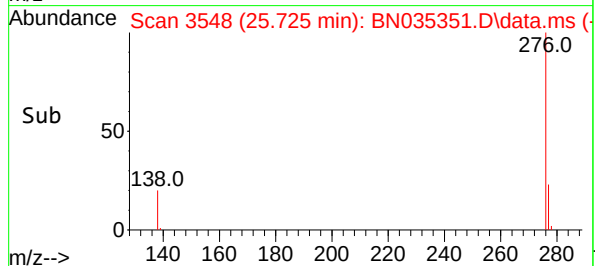
138 22.7 17.8 26.8

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035352.D
 Acq On : 27 Nov 2024 16:46
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

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Reviewed By :Yogesh Patel 11/29/2024
 Supervised By :mohammad ahmed 11/29/2024

Quant Time: Nov 27 22:52:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 22:48:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2048	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5229	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	3799	0.400	ng	0.00
19) Phenanthrene-d10	16.736	188	9490	0.400	ng	0.00
29) Chrysene-d12	20.974	240	9527	0.400	ng	0.00
35) Perylene-d12	23.067	264	10842	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	2085	0.401	ng	0.00
5) Phenol-d6	6.513	99	2444	0.375	ng	0.00
8) Nitrobenzene-d5	8.440	82	1228m	0.270	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	3237	0.347	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	975	0.356	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	5735	0.372	ng	0.00
27) Fluoranthene-d10	18.785	212	10223	0.352	ng	0.00
31) Terphenyl-d14	19.412	244	7533	0.377	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.003	88	771	0.414	ng	100
3) n-Nitrosodimethylamine	3.292	42	668	0.385	ng	100
6) bis(2-Chloroethyl)ether	6.759	93	2032	0.415	ng	100
9) Naphthalene	10.105	128	5475	0.401	ng	100
10) Hexachlorobutadiene	10.404	225	1292	0.323	ng	# 100
12) 2-Methylnaphthalene	11.732	142	3867	0.384	ng	100
16) Acenaphthylene	13.679	152	6058	0.373	ng	100
17) Acenaphthene	14.031	154	4125	0.388	ng	100
18) Fluorene	15.026	166	5863	0.375	ng	100
20) 4,6-Dinitro-2-methylph...	15.133	198	337	0.171	ng	100
21) 4-Bromophenyl-phenylether	15.941	248	2146	0.355	ng	100
22) Hexachlorobenzene	16.040	284	2590	0.413	ng	100
23) Atrazine	16.227	200	1461	0.269	ng	100
24) Pentachlorophenol	16.400	266	906	0.309	ng	87
25) Phenanthrene	16.773	178	10127	0.405	ng	100
26) Anthracene	16.860	178	8921	0.389	ng	100
28) Fluoranthene	18.817	202	13438	0.391	ng	100
30) Pyrene	19.179	202	14053	0.443	ng	100
32) Benzo(a)anthracene	20.956	228	12908	0.389	ng	100
33) Chrysene	21.009	228	13729	0.418	ng	100
34) Bis(2-ethylhexyl)phtha...	20.929	149	4912	0.282	ng	100
36) Indeno(1,2,3-cd)pyrene	25.108	276	16615	0.384	ng	100
37) Benzo(b)fluoranthene	22.453	252	14235	0.390	ng	100
38) Benzo(k)fluoranthene	22.494	252	15199	0.416	ng	100
39) Benzo(a)pyrene	22.977	252	12425	0.387	ng	100
40) Dibenzo(a,h)anthracene	25.126	278	12948	0.378	ng	100
41) Benzo(g,h,i)perylene	25.722	276	13529	0.371	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035352.D
 Acq On : 27 Nov 2024 16:46
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_N

Client SampleId :

SSTDICCC0.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024

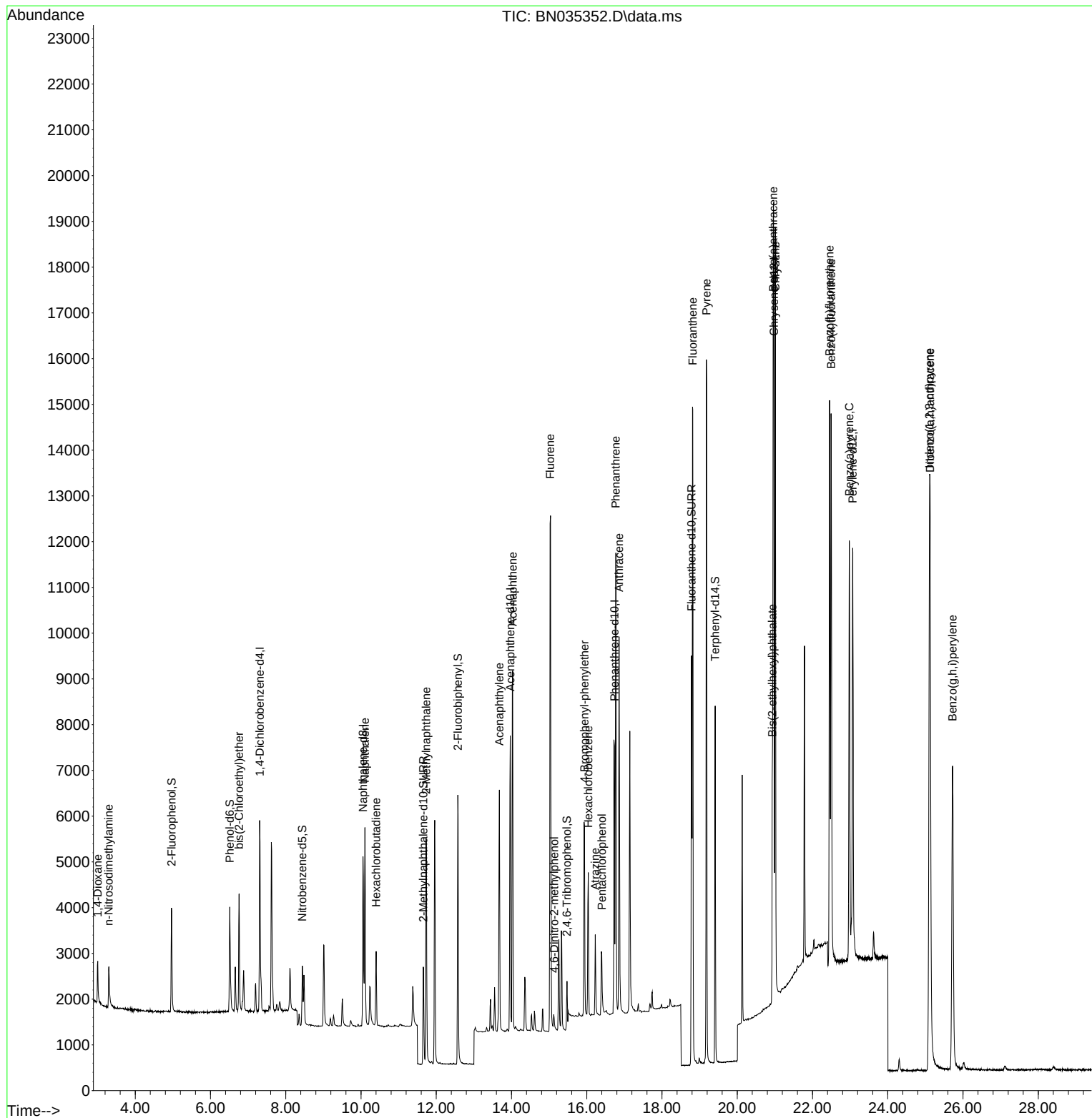
Quant Time: Nov 27 22:52:52 2024

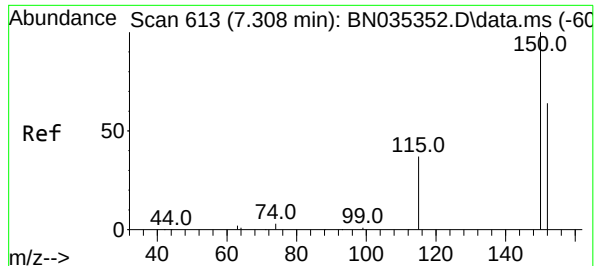
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 27 22:48:24 2024

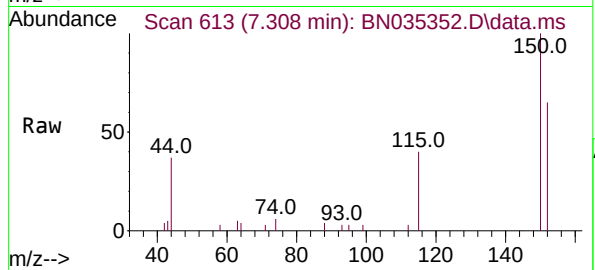
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 613
Delta R.T. -0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

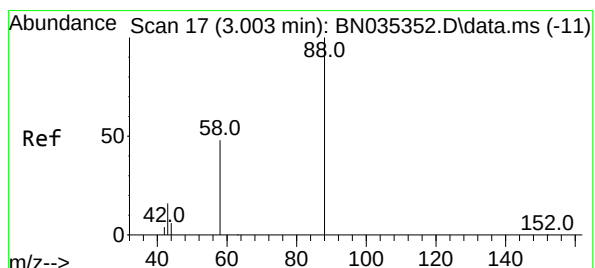
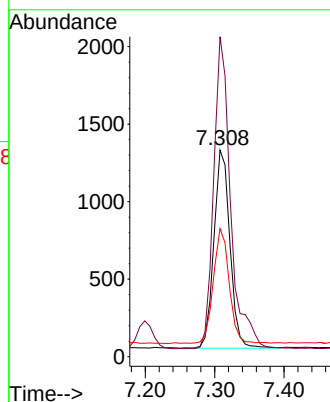
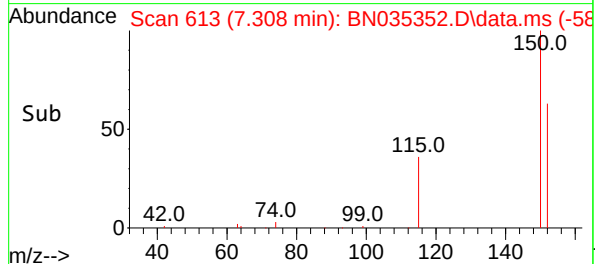
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4



Tgt Ion: 152 Resp: 2048
Ion Ratio Lower Upper
152 100
150 155.0 124.0 186.0
115 62.0 49.6 74.4

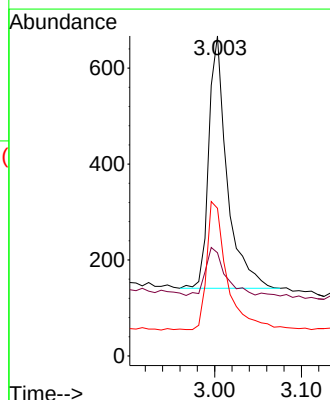
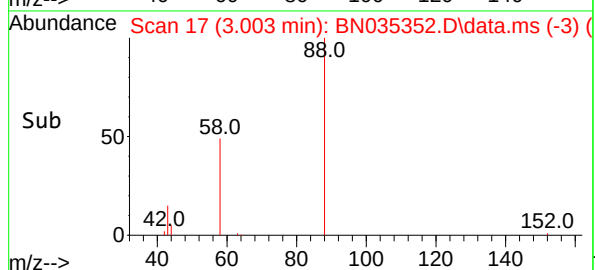
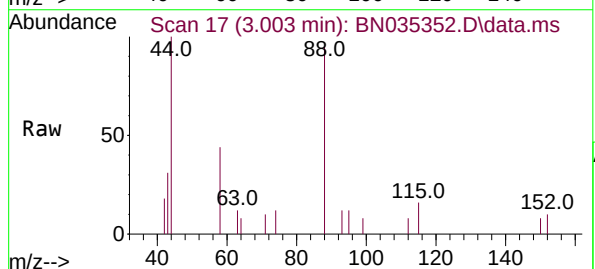
Manual Integrations
APPROVED

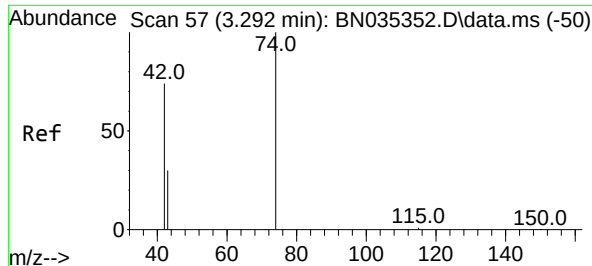
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#2
1,4-Dioxane
Concen: 0.414 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

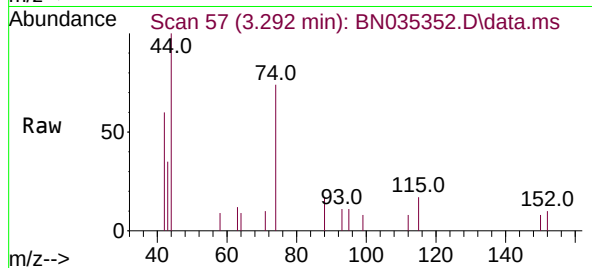
Tgt Ion: 88 Resp: 771
Ion Ratio Lower Upper
88 100
43 21.5 17.2 25.8
58 55.6 44.5 66.7





#3
n-Nitrosodimethylamine
Concen: 0.385 ng
RT: 3.292 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

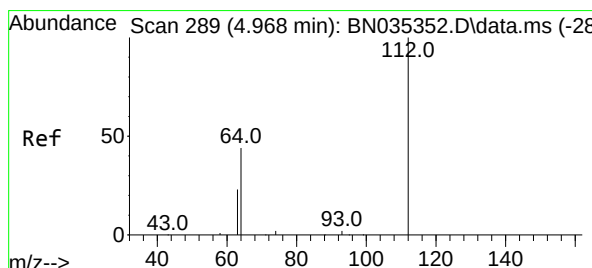
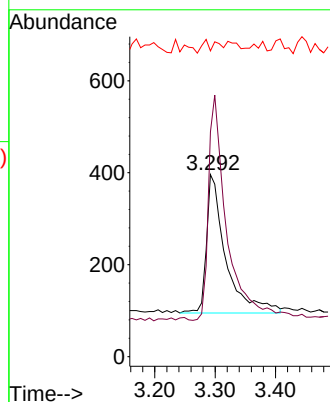
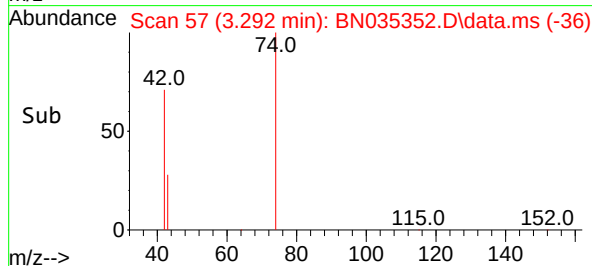
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4



Tgt Ion: 42 Resp: 668
Ion Ratio Lower Upper
42 100
74 156.1 124.9 187.3
44 2.8 2.2 3.4

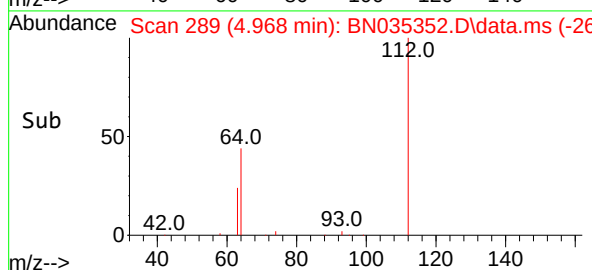
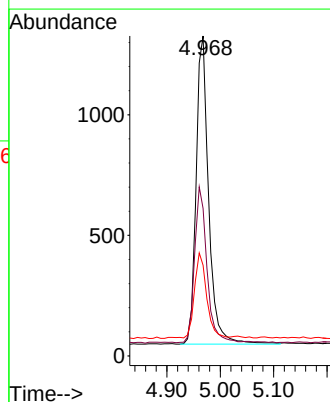
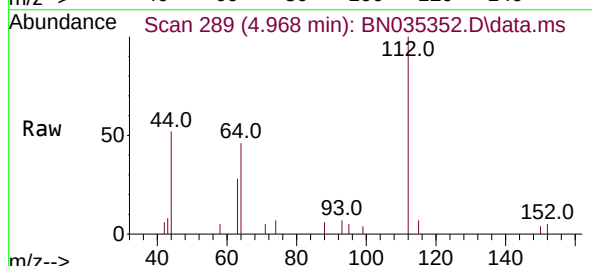
Manual Integrations
APPROVED

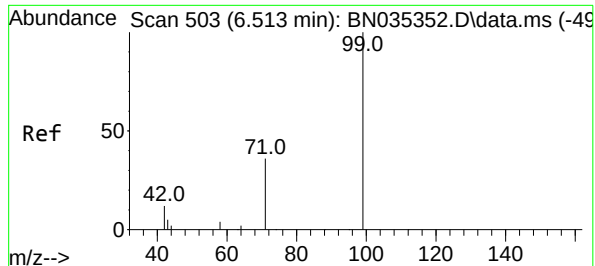
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#4
2-Fluorophenol
Concen: 0.401 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:112 Resp: 2085
Ion Ratio Lower Upper
112 100
64 49.8 39.8 59.8
63 26.3 21.0 31.6





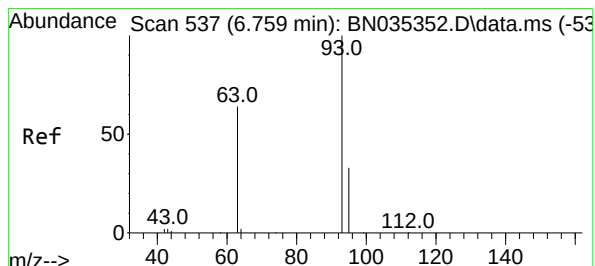
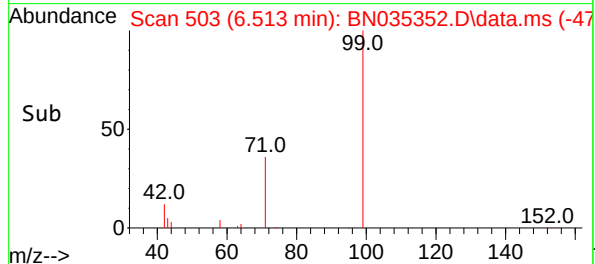
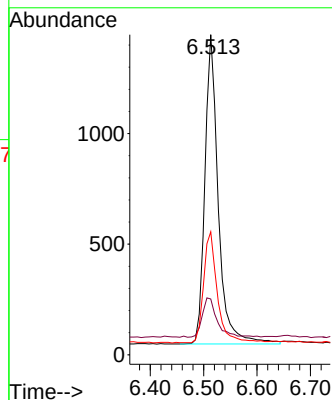
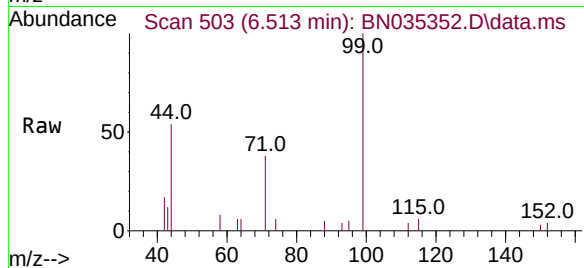
#5
Phenol-d6
Concen: 0.375 ng
RT: 6.513 min Scan# 503
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 244
Ion Ratio Lower Upper
99 100
42 14.3 11.4 17.2
71 36.6 29.3 43.9

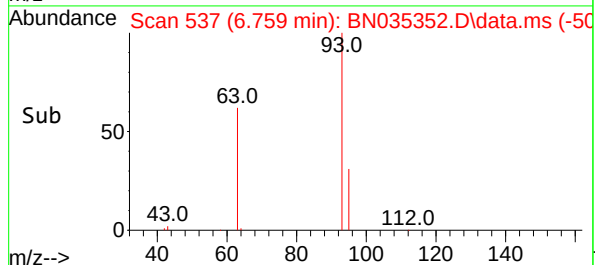
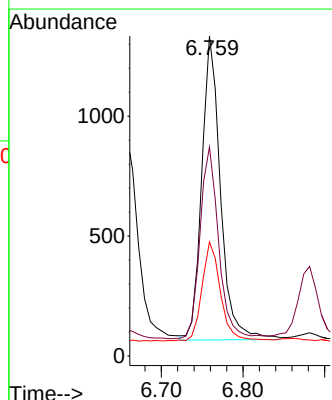
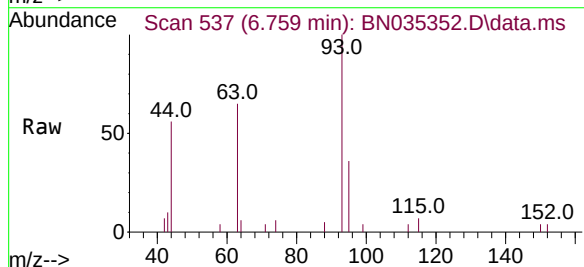
Manual Integrations
APPROVED

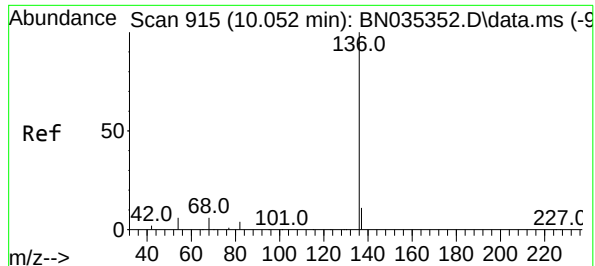
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#6
bis(2-Chloroethyl)ether
Concen: 0.415 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

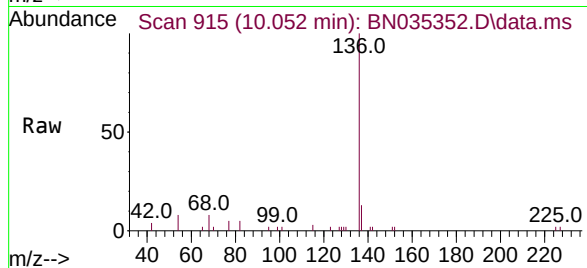
Tgt Ion: 93 Resp: 2032
Ion Ratio Lower Upper
93 100
63 63.0 50.4 75.6
95 32.1 25.7 38.5





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

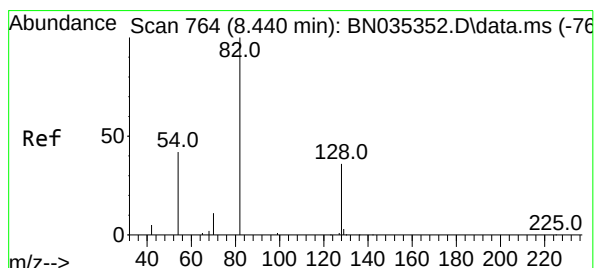
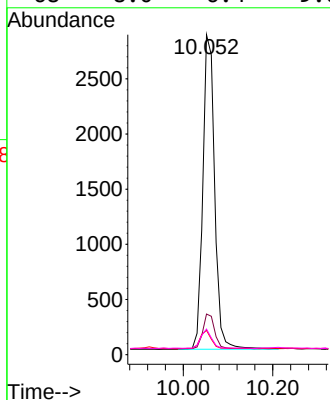
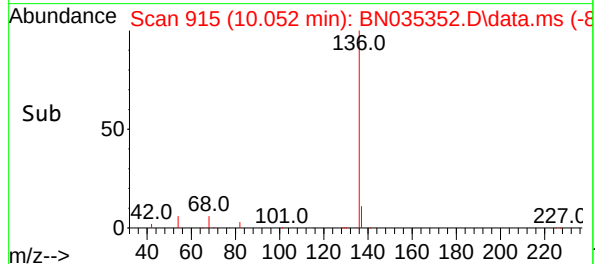
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4



Tgt Ion:136 Resp: 5229
Ion Ratio Lower Upper
136 100
137 12.7 10.2 15.2
54 7.6 6.1 9.1
68 8.0 6.4 9.6

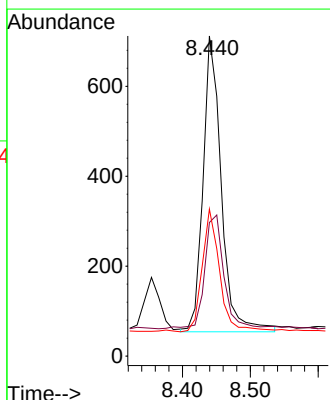
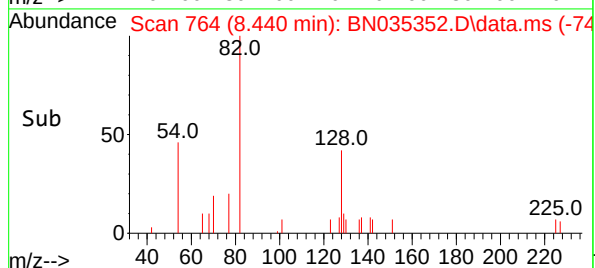
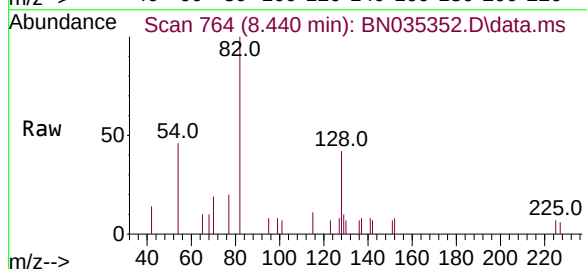
Manual Integrations
APPROVED

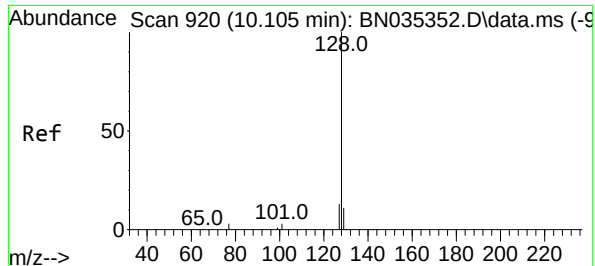
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#8
Nitrobenzene-d5
Concen: 0.270 ng m
RT: 8.440 min Scan# 764
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion: 82 Resp: 1228
Ion Ratio Lower Upper
82 100
128 41.7 33.4 50.0
54 45.9 36.7 55.1





#9

Naphthalene

Concen: 0.401 ng

RT: 10.105 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

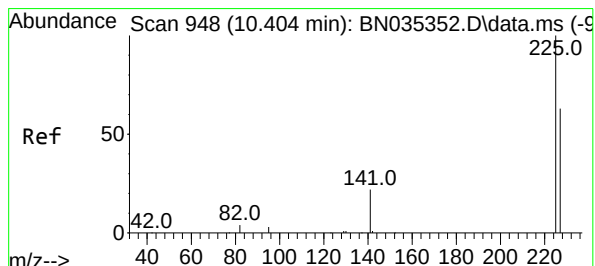
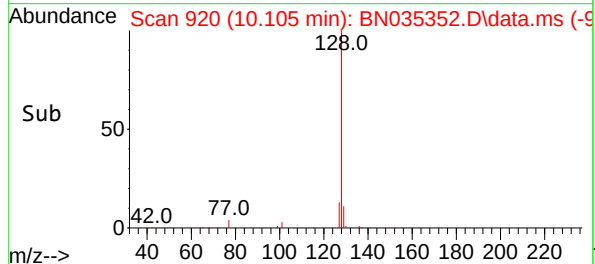
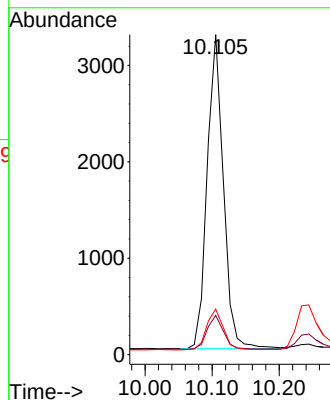
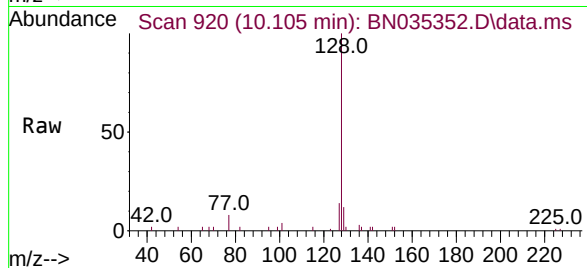
SSTDICCC0.4

Tgt Ion:	128	Resp:	547
Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.8	14.6
127	14.3	11.4	17.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#10

Hexachlorobutadiene

Concen: 0.323 ng

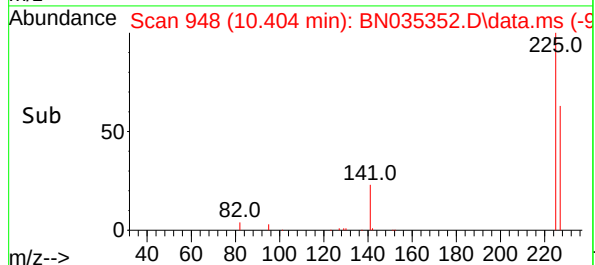
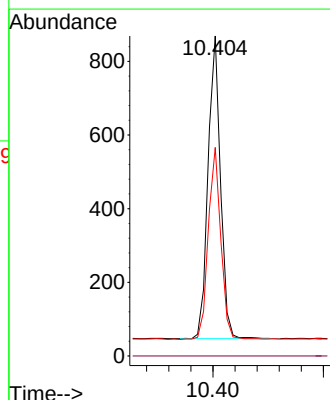
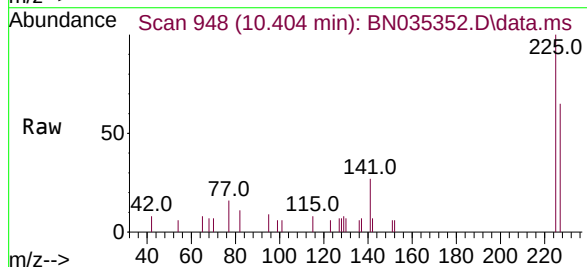
RT: 10.404 min Scan# 948

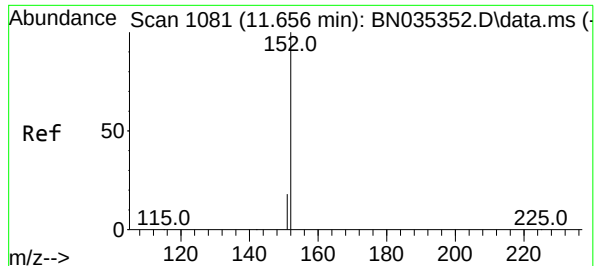
Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

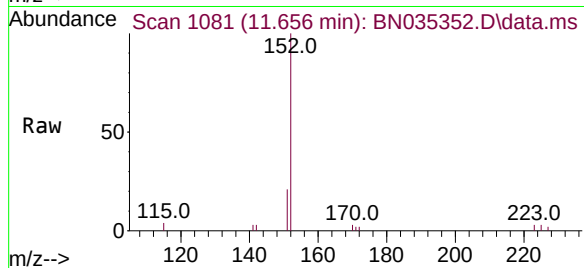
Tgt Ion:	225	Resp:	1292
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.3	76.9





#11
2-Methylnaphthalene-d10
Concen: 0.347 ng
RT: 11.656 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

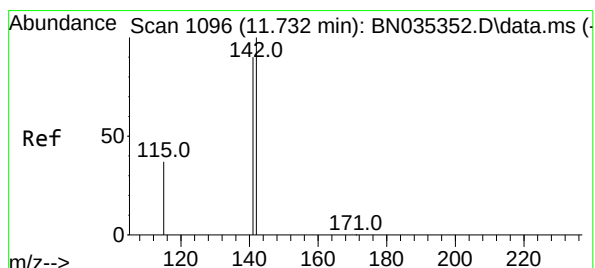
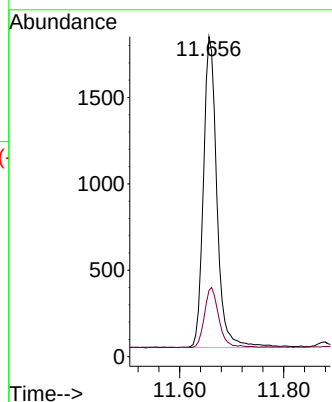
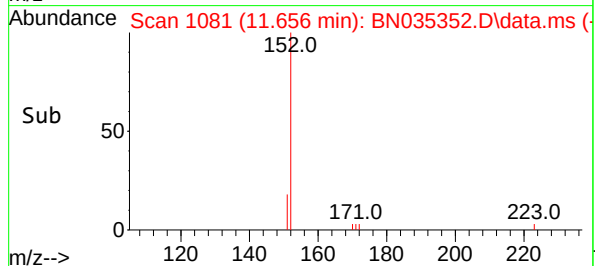
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4



Tgt Ion:152 Resp: 323
Ion Ratio Lower Upper
152 100
151 20.8 16.6 25.0

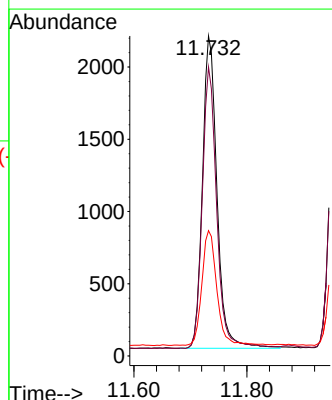
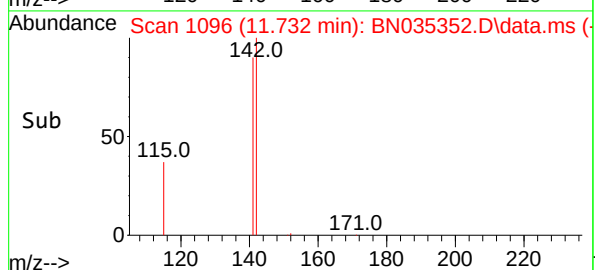
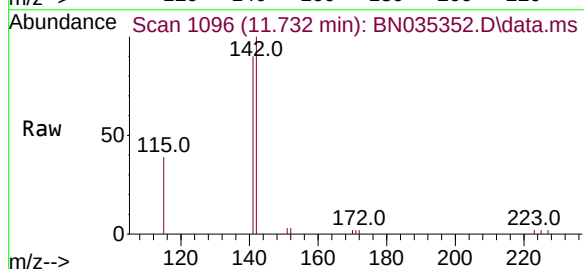
Manual Integrations
APPROVED

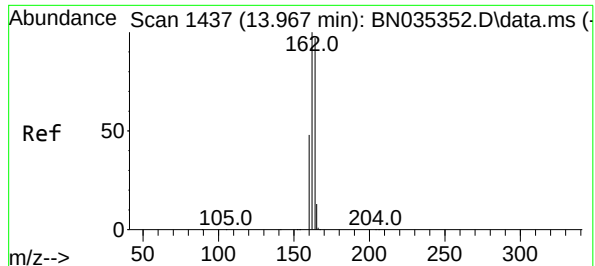
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#12
2-Methylnaphthalene
Concen: 0.384 ng
RT: 11.732 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

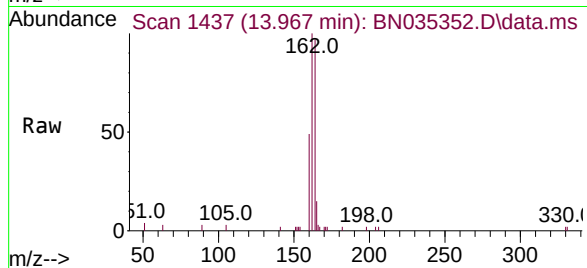
Tgt Ion:142 Resp: 3867
Ion Ratio Lower Upper
142 100
141 90.3 72.2 108.4
115 39.2 31.4 47.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

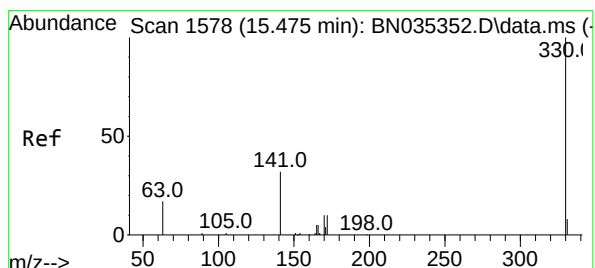
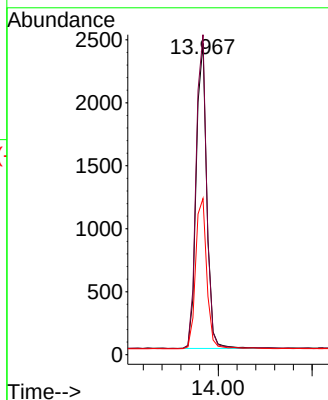
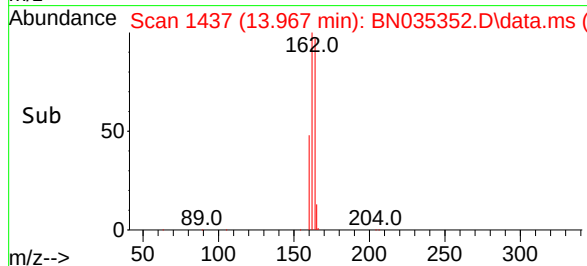
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4



Tgt Ion:164 Resp: 3799
Ion Ratio Lower Upper
164 100
162 102.7 82.2 123.2
160 50.1 40.1 60.1

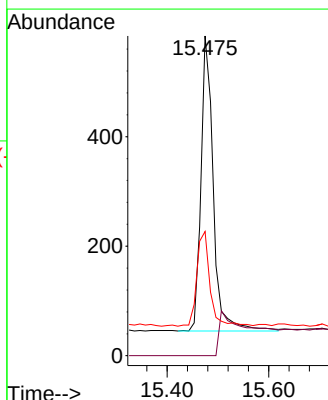
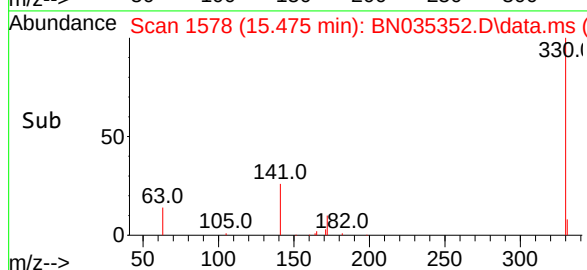
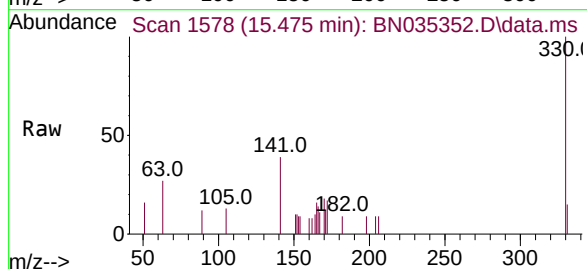
Manual Integrations
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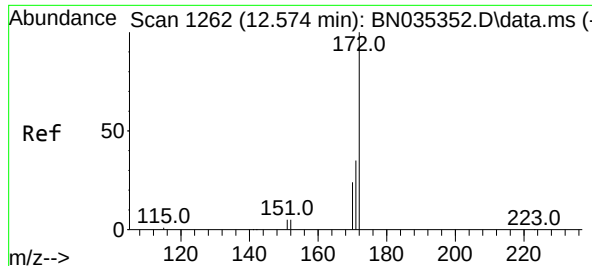
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#14
2,4,6-Tribromophenol
Concen: 0.356 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

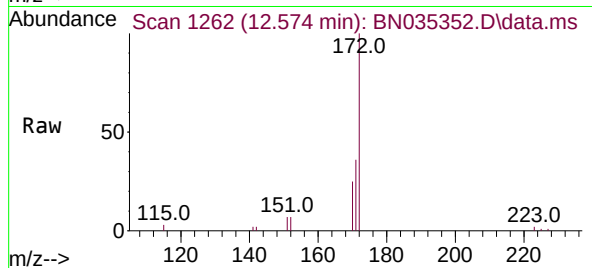
Tgt Ion:330 Resp: 975
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.3 26.6 40.0





#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 12.574 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

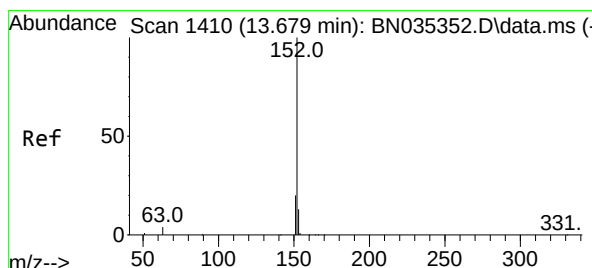
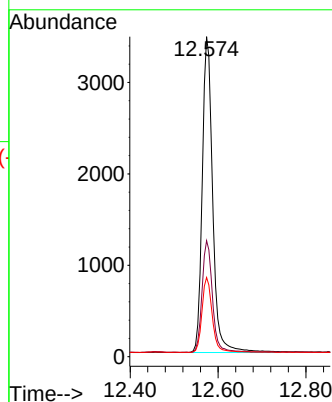
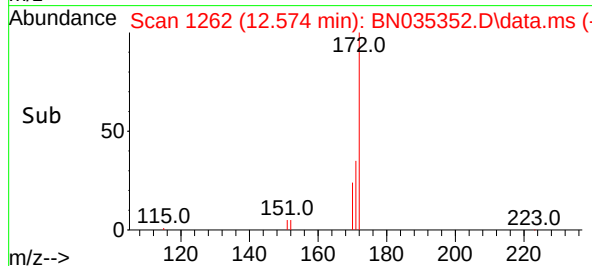
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4



Tgt Ion:172 Resp: 573
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.4
170 24.8 19.8 29.8

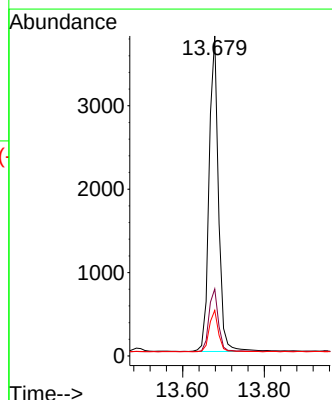
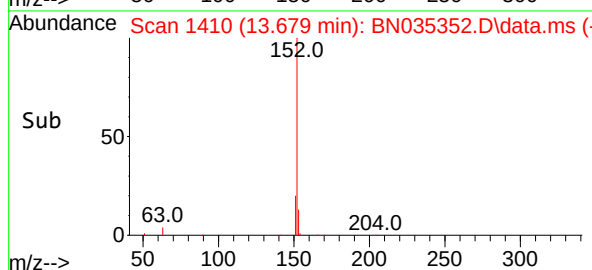
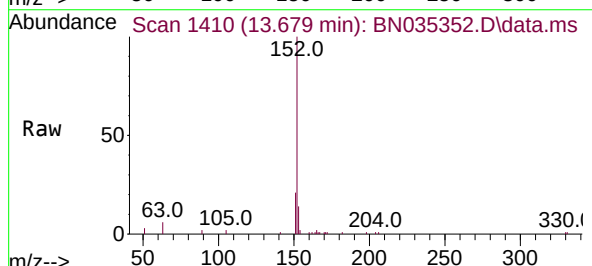
Manual Integrations
APPROVED

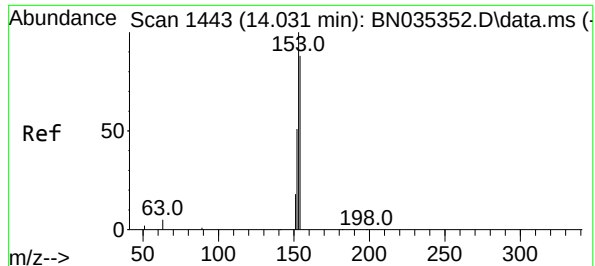
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#16
Acenaphthylene
Concen: 0.373 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:152 Resp: 6058
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.0 10.4 15.6





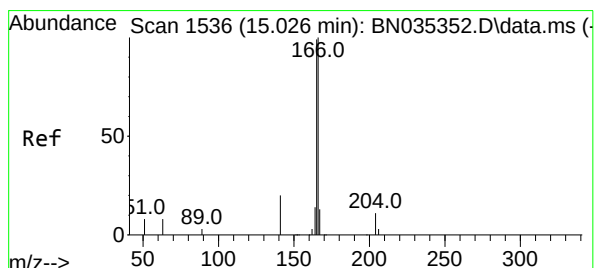
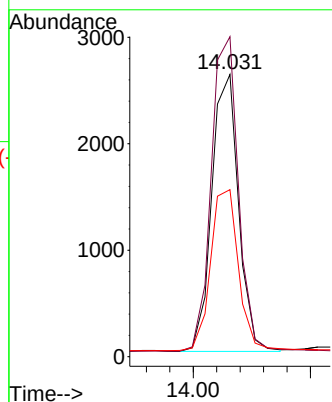
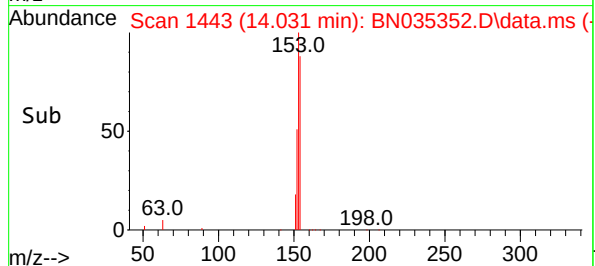
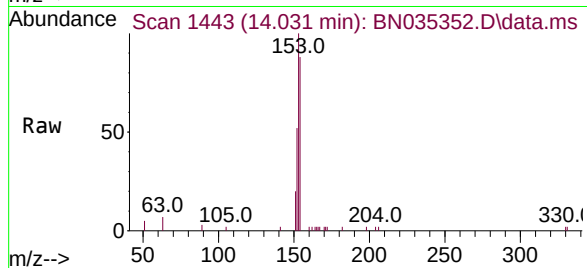
#17
Acenaphthene
Concen: 0.388 ng
RT: 14.031 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 4125
Ion Ratio Lower Upper
154 100
153 115.8 92.6 139.0
152 61.3 49.0 73.6

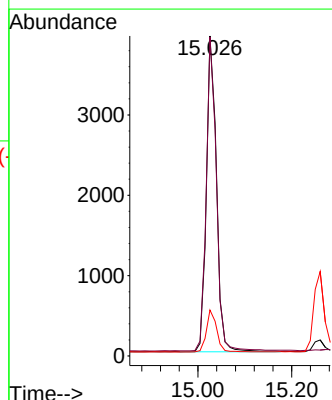
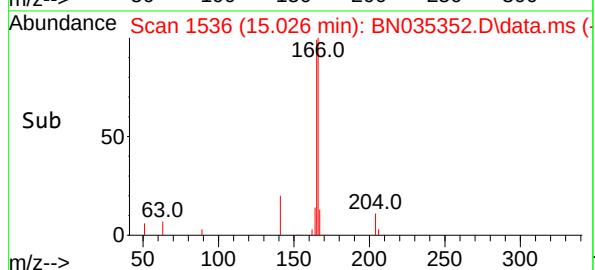
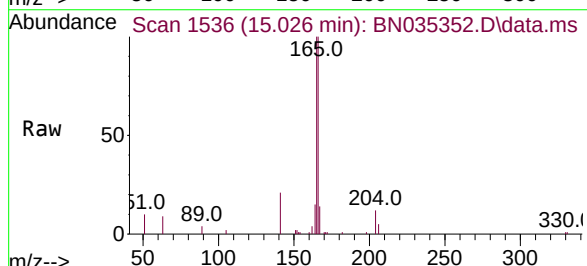
Manual Integrations
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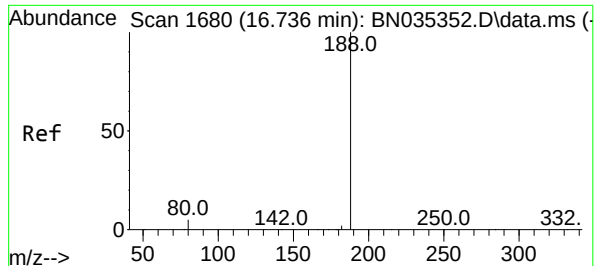
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#18
Fluorene
Concen: 0.375 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

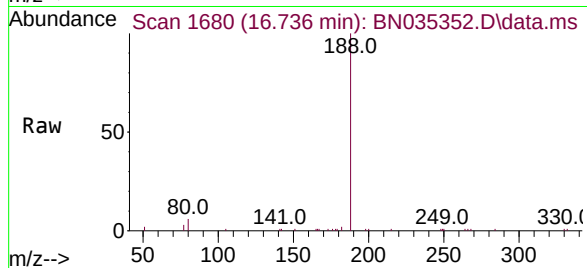
Tgt Ion:166 Resp: 5863
Ion Ratio Lower Upper
166 100
165 99.6 79.7 119.5
167 13.5 10.8 16.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.736 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

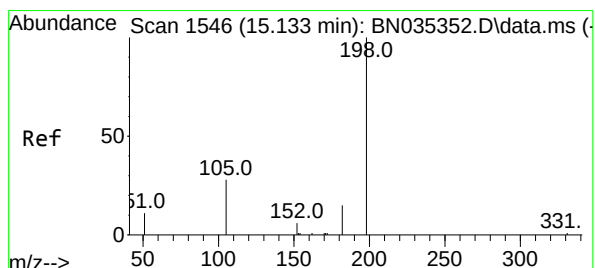
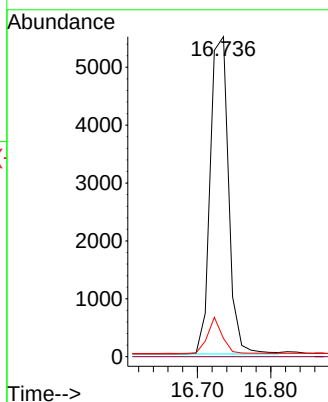
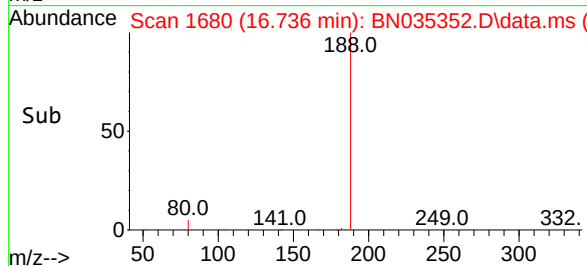
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4



Tgt Ion:188 Resp: 9490
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.7 4.6 6.8

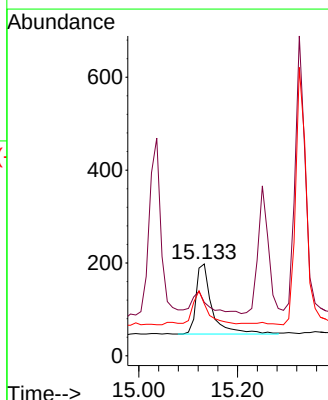
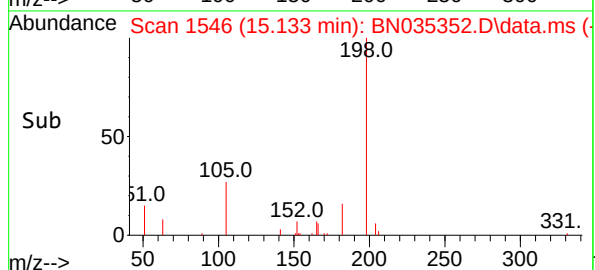
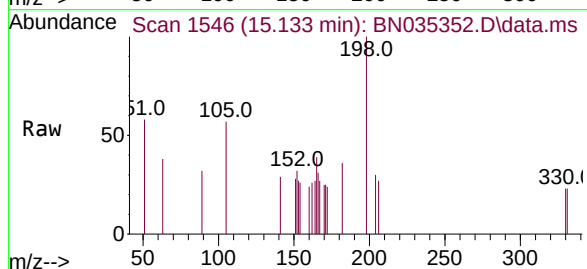
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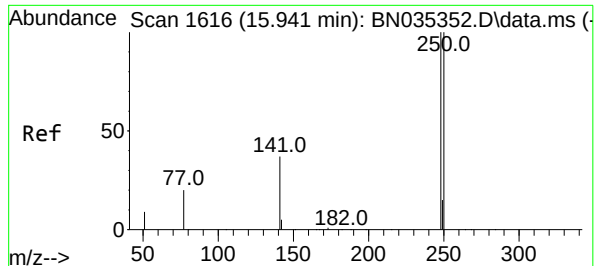
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#20
4,6-Dinitro-2-methylphenol
Concen: 0.171 ng
RT: 15.133 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:198 Resp: 337
Ion Ratio Lower Upper
198 100
51 58.1 46.5 69.7
105 56.6 45.3 67.9





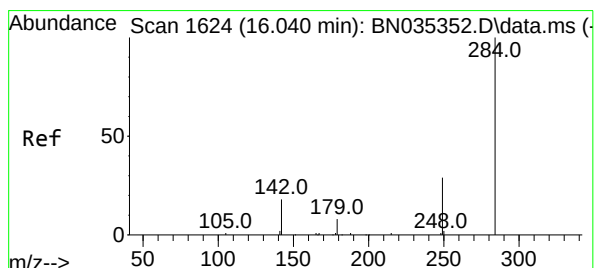
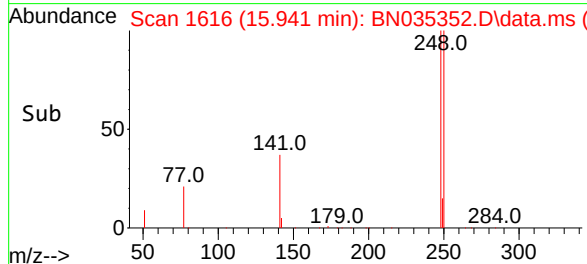
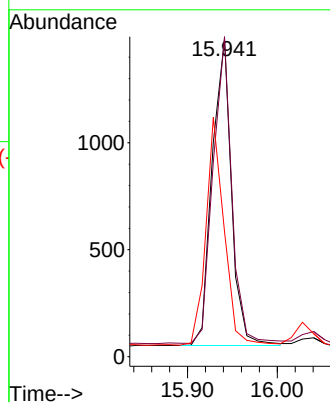
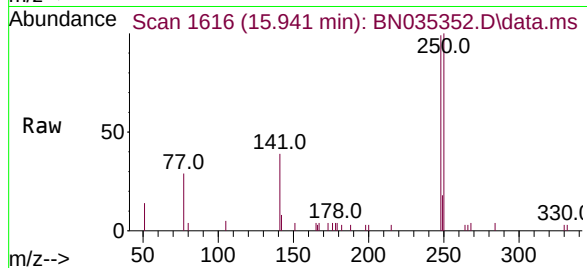
#21
4-Bromophenyl-phenylether
Concen: 0.355 ng
RT: 15.941 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 2140
Ion Ratio Lower Upper
248 100
250 100.7 80.6 120.8
141 39.4 31.5 47.3

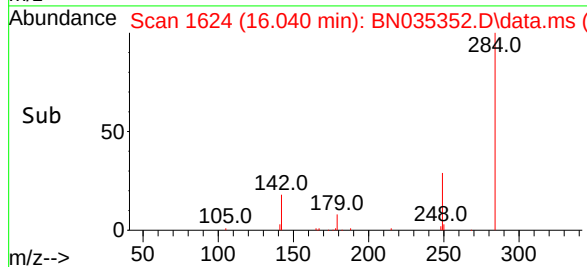
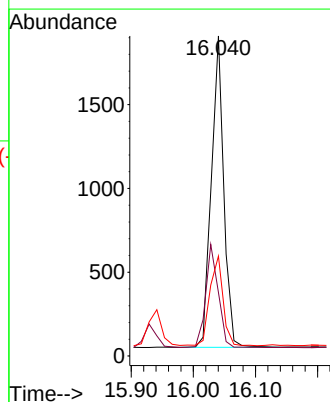
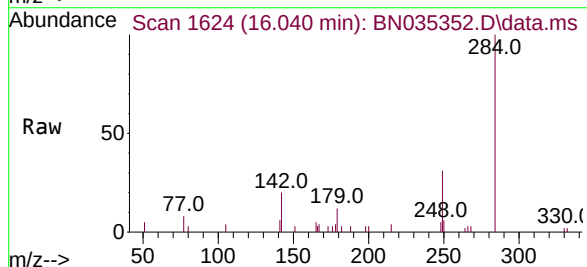
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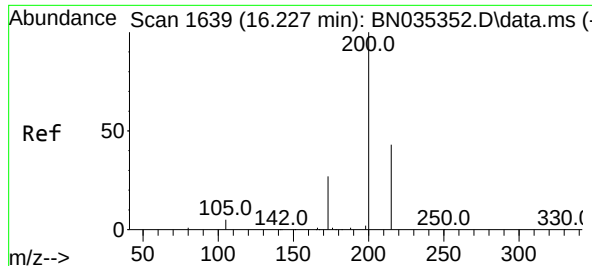
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#22
Hexachlorobenzene
Concen: 0.413 ng
RT: 16.040 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

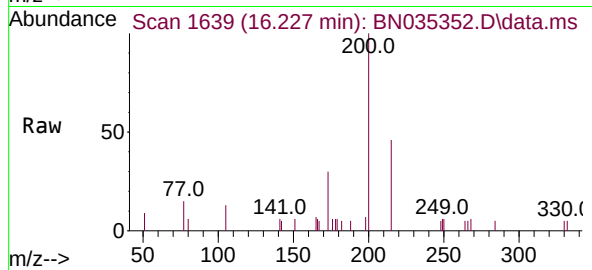
Tgt Ion:284 Resp: 2590
Ion Ratio Lower Upper
284 100
142 33.4 26.7 40.1
249 30.7 24.6 36.8





#23
Atrazine
Concen: 0.269 ng
RT: 16.227 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

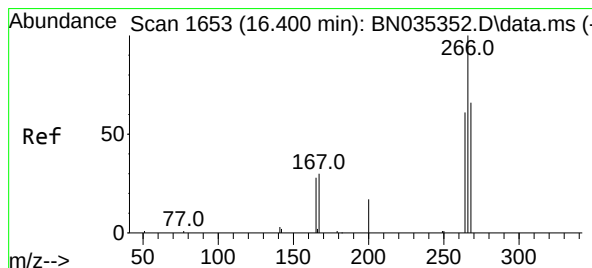
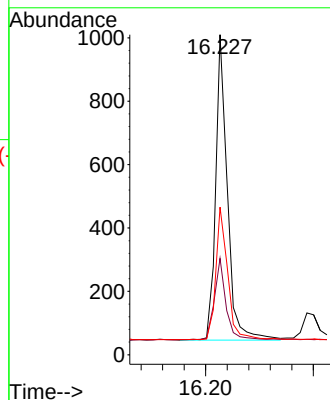
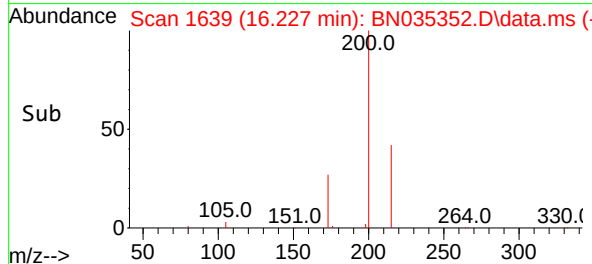
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4



Tgt Ion:200 Resp: 146
Ion Ratio Lower Upper
200 100
173 30.1 24.1 36.1
215 46.1 36.9 55.3

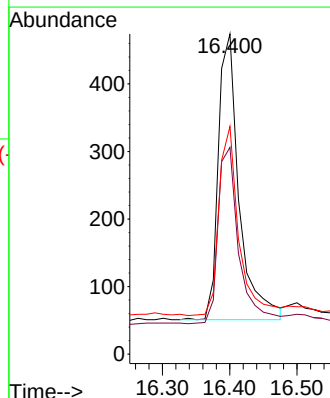
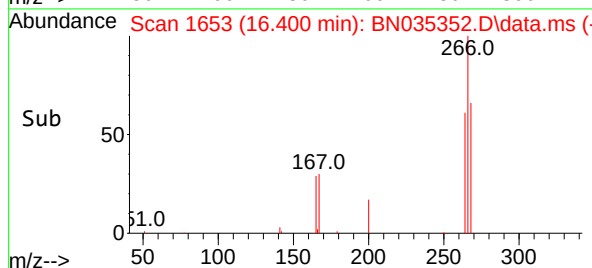
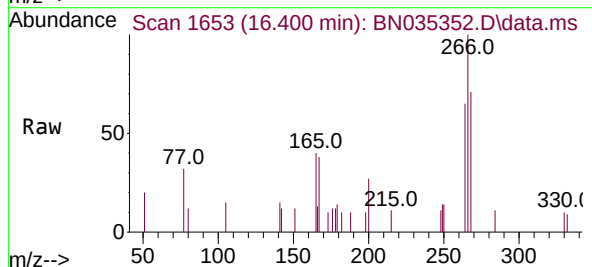
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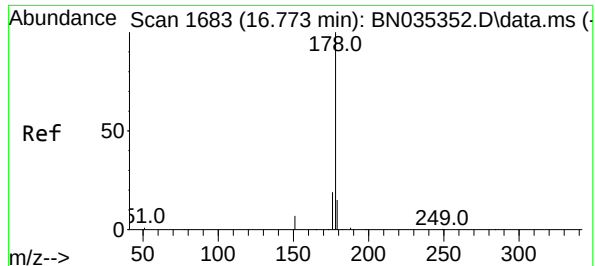
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#24
Pentachlorophenol
Concen: 0.309 ng
RT: 16.400 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

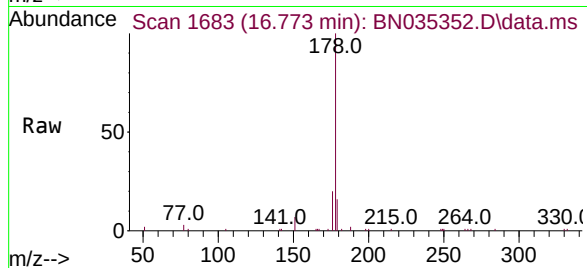
Tgt Ion:266 Resp: 906
Ion Ratio Lower Upper
266 100
264 62.4 42.3 63.5
268 63.8 43.3 64.9





#25
Phenanthrene
Concen: 0.405 ng
RT: 16.773 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

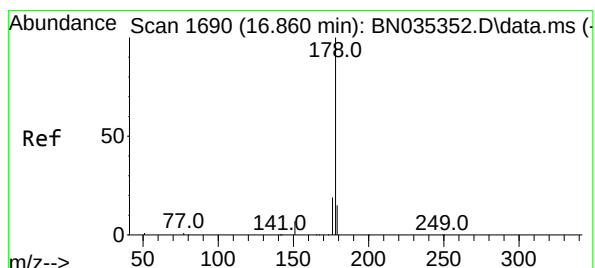
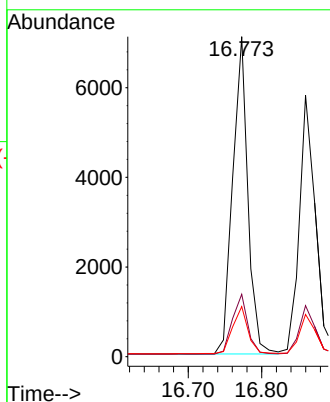
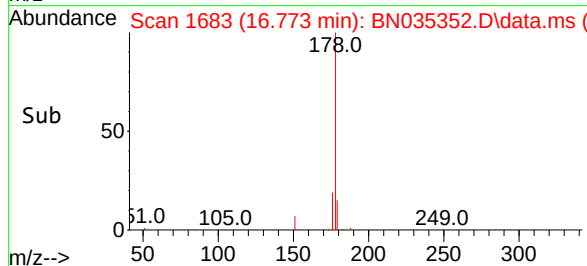
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4



Tgt Ion:178 Resp: 1012
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.4 12.3 18.5

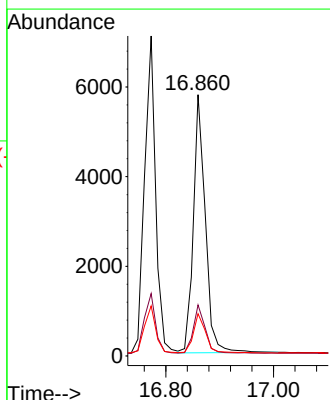
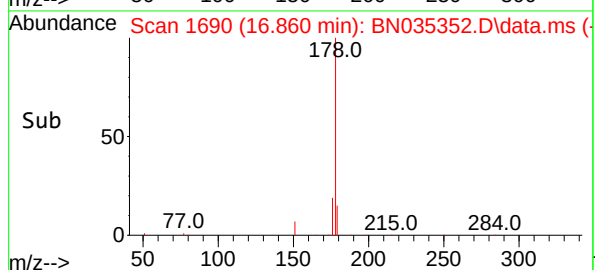
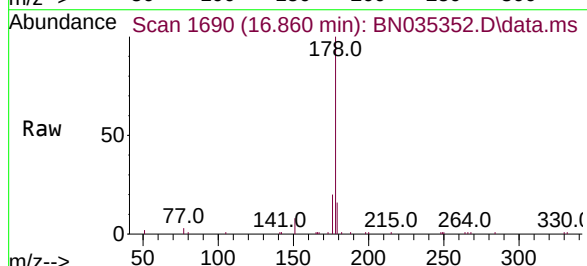
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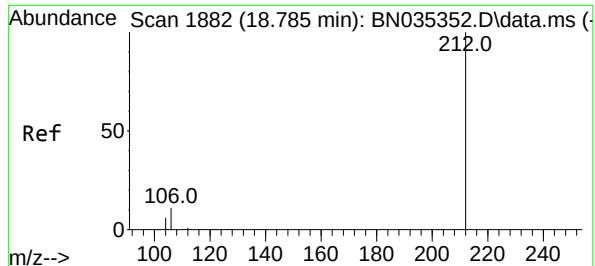
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#26
Anthracene
Concen: 0.389 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:178 Resp: 8921
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.7 12.6 18.8





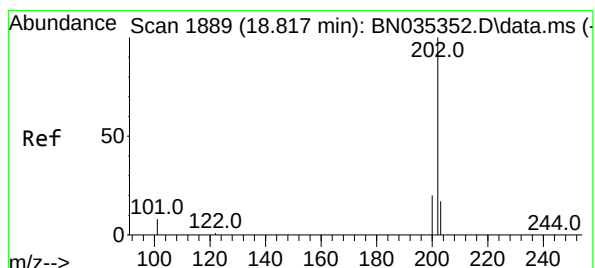
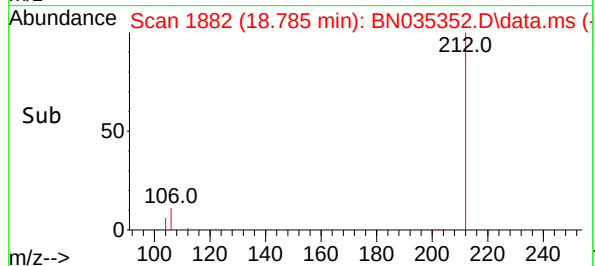
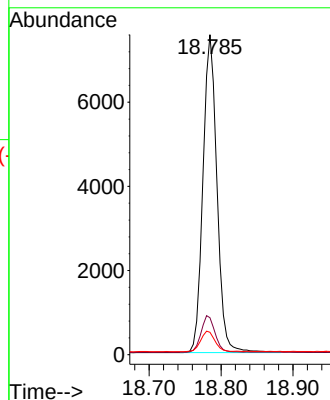
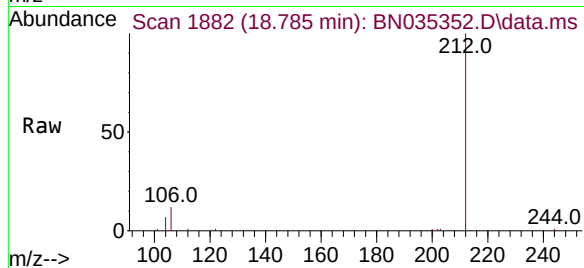
#27
Fluoranthene-d10
Concen: 0.352 ng
RT: 18.785 min Scan# 1882
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 1022
Ion Ratio Lower Upper
212 100
106 11.5 9.2 13.8
104 6.6 5.3 7.9

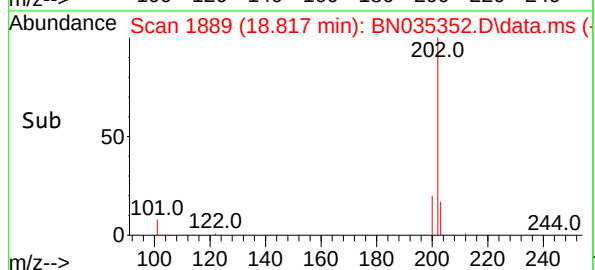
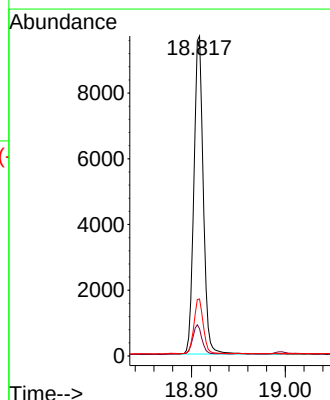
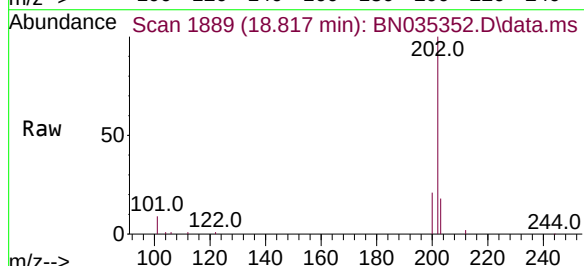
Manual Integrations
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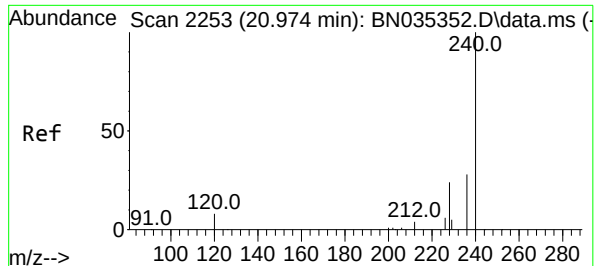
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#28
Fluoranthene
Concen: 0.391 ng
RT: 18.817 min Scan# 1889
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:202 Resp: 13438
Ion Ratio Lower Upper
202 100
101 9.2 7.4 11.0
203 17.1 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.974 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

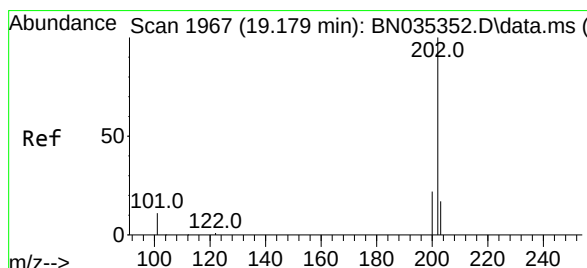
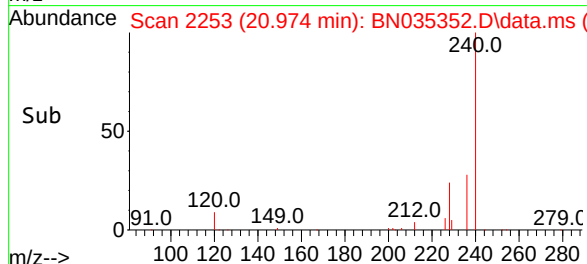
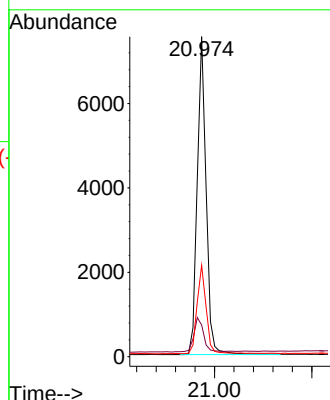
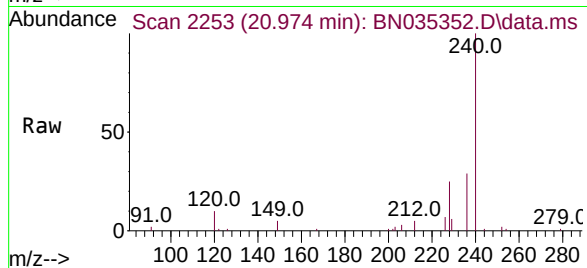
Tgt Ion:	240	Resp:	952
Ion Ratio	Lower	Upper	
240	100		
120	9.9	7.9	11.9
236	28.6	22.9	34.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#30

Pyrene

Concen: 0.443 ng

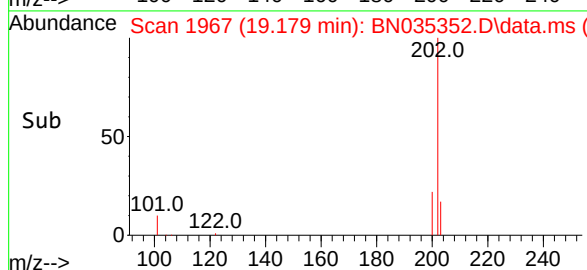
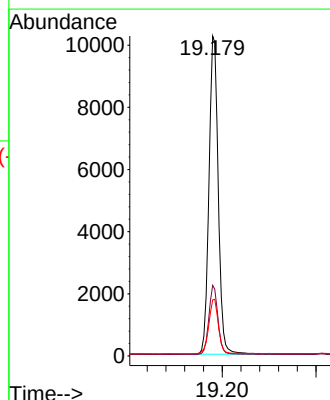
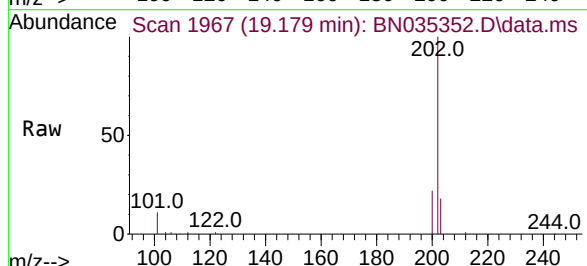
RT: 19.179 min Scan# 1967

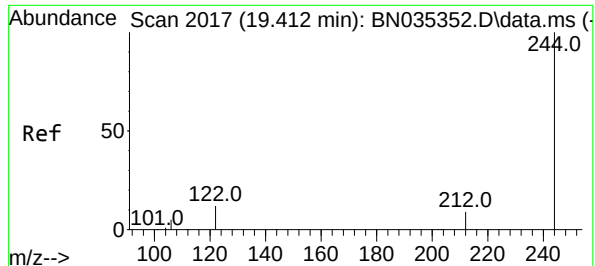
Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Tgt Ion:	202	Resp:	14053
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.0	25.4
203	17.9	14.3	21.5





#31
Terphenyl-d14
Concen: 0.377 ng
RT: 19.412 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

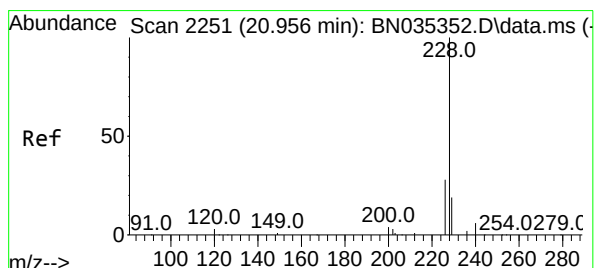
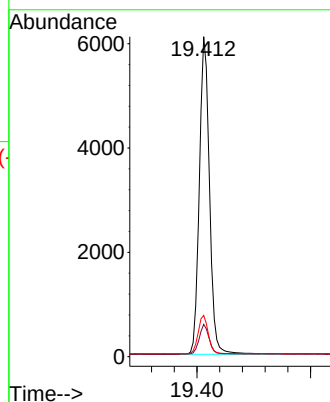
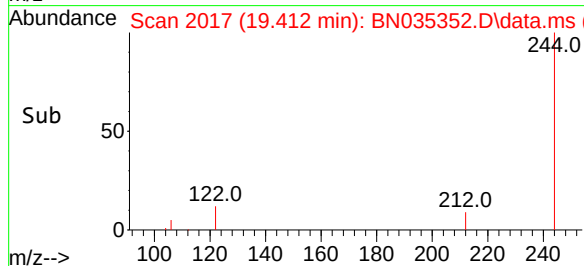
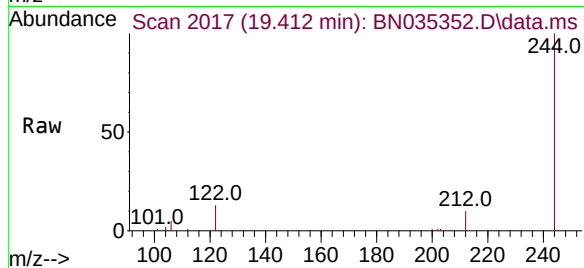
SSTDICCC0.4

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.1	8.1	12.1
122	12.9	10.3	15.5

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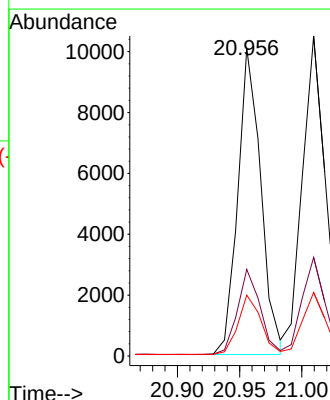
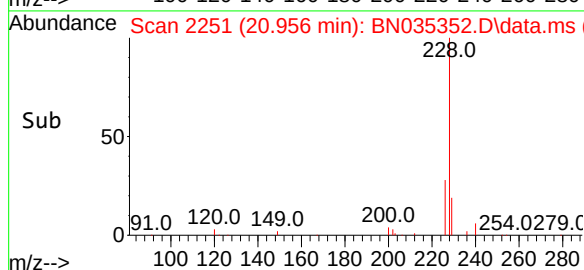
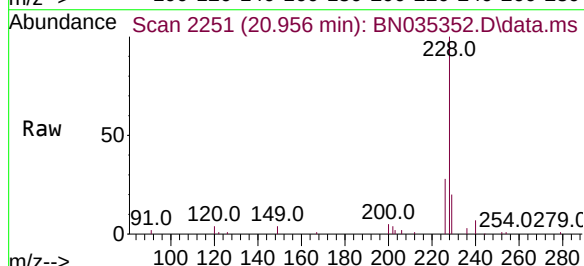
APPROVED

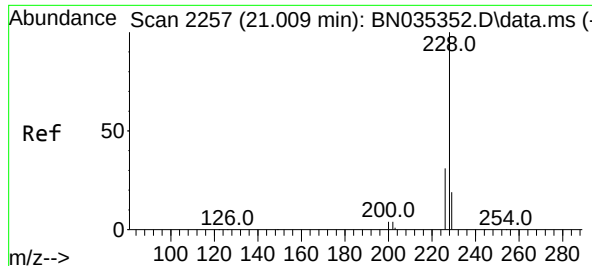
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#32
Benzo(a)anthracene
Concen: 0.389 ng
RT: 20.956 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	19.8	15.8	23.8





#33

Chrysene

Concen: 0.418 ng

RT: 21.009 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

Tgt Ion:228 Resp: 13729

Ion Ratio Lower Upper

228 100

226 30.8 24.6 37.0

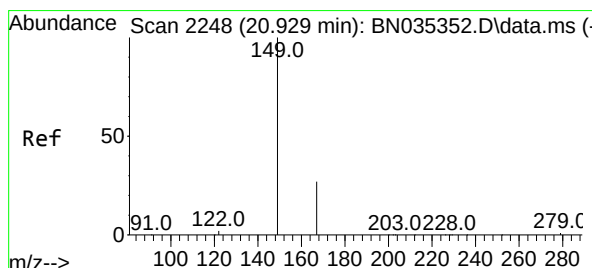
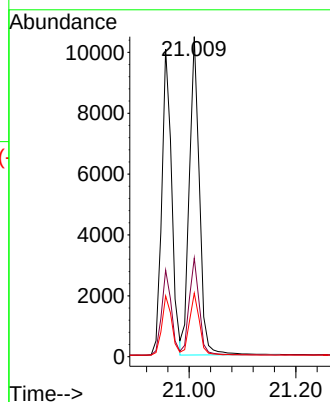
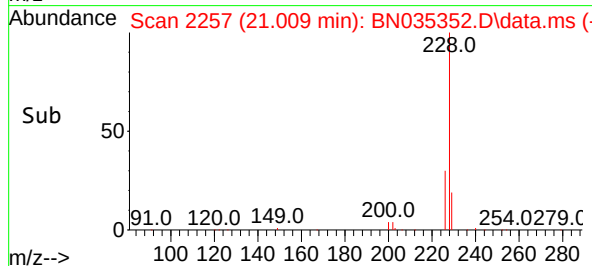
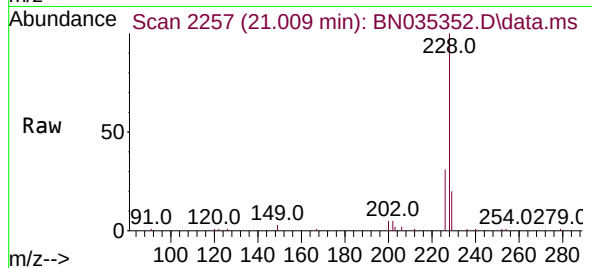
229 19.9 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.282 ng

RT: 20.929 min Scan# 2248

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

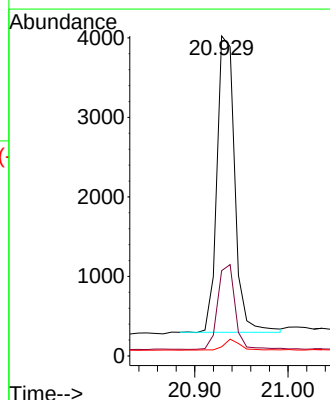
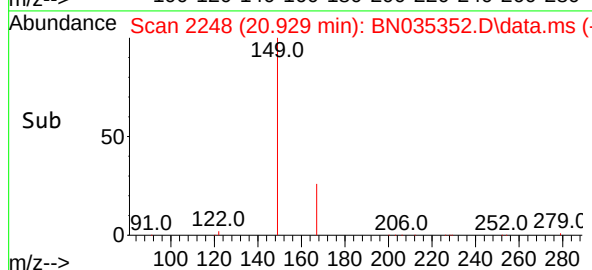
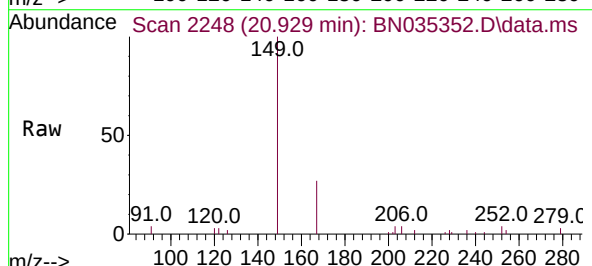
Tgt Ion:149 Resp: 4912

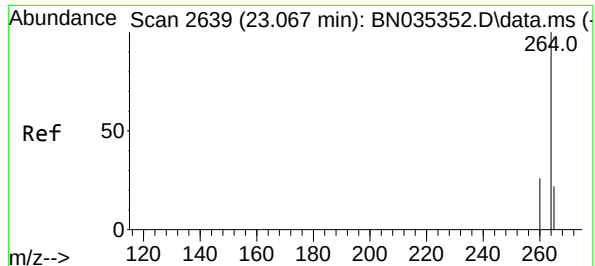
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.4

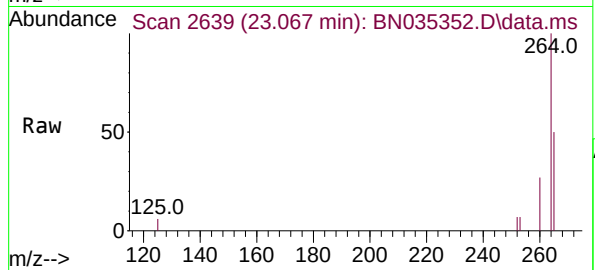
279 3.4 2.7 4.1





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2639
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

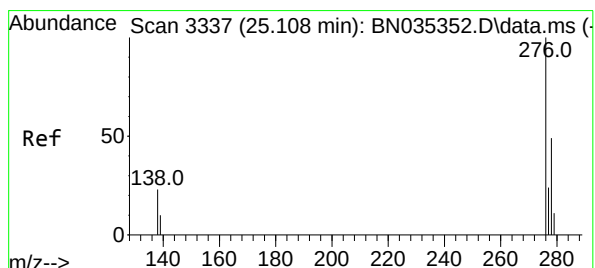
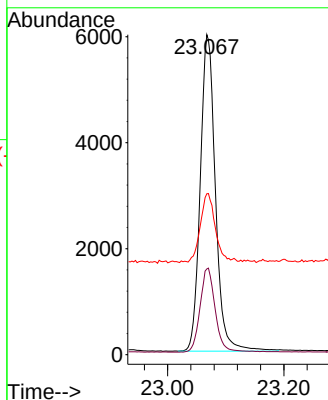
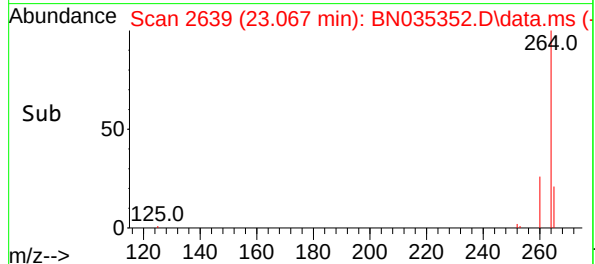
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4



Tgt Ion:264 Resp: 1084
Ion Ratio Lower Upper
264 100
260 26.8 21.4 32.2
265 50.3 40.2 60.4

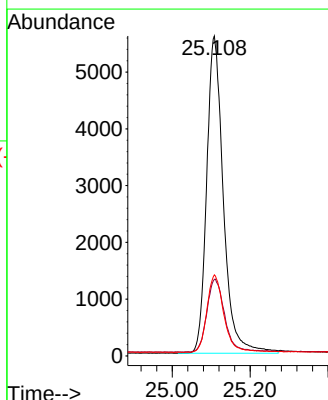
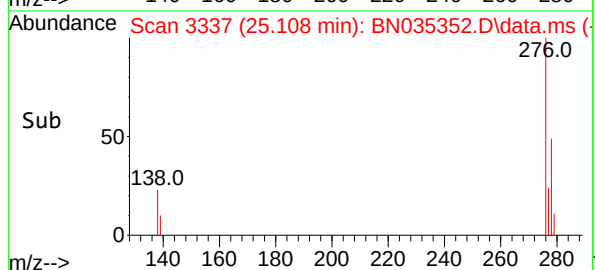
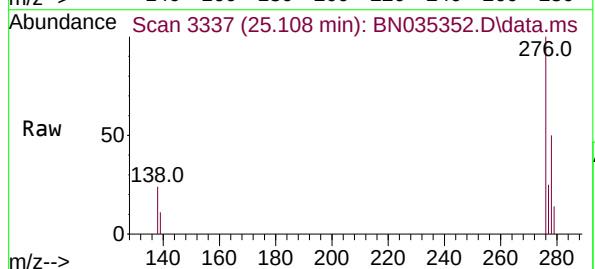
Manual Integrations
APPROVED

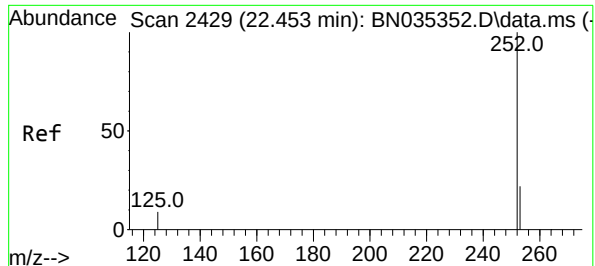
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.384 ng
RT: 25.108 min Scan# 3337
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:276 Resp: 16615
Ion Ratio Lower Upper
276 100
138 24.2 19.4 29.0
277 24.7 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.390 ng

RT: 22.453 min Scan# 2429

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

Tgt Ion:252 Resp: 1423

Ion Ratio Lower Upper

252 100

253 24.5 19.6 29.4

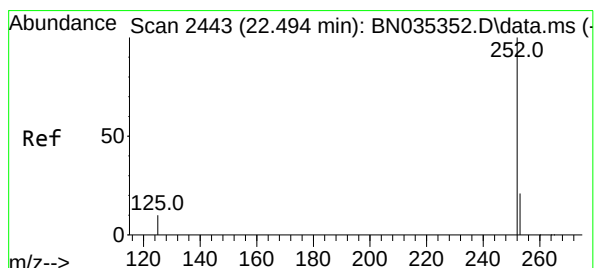
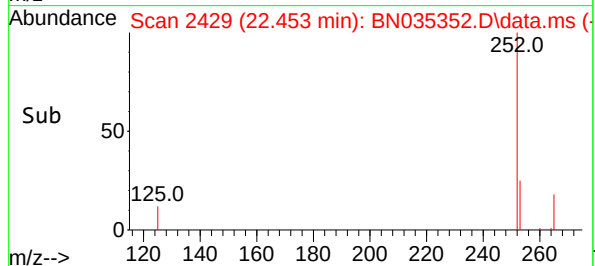
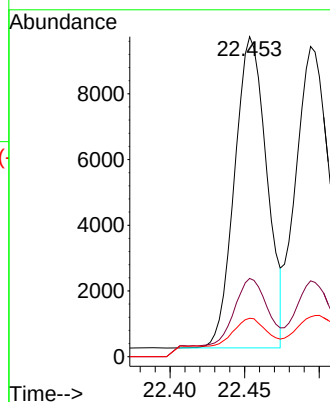
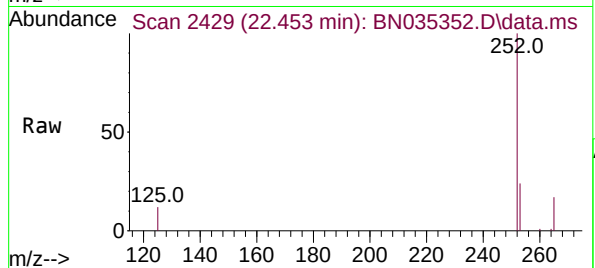
125 12.0 9.6 14.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#38

Benzo(k)fluoranthene

Concen: 0.416 ng

RT: 22.494 min Scan# 2443

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

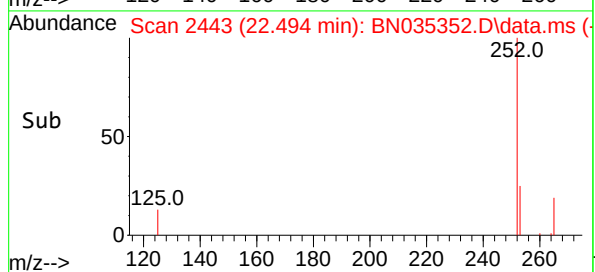
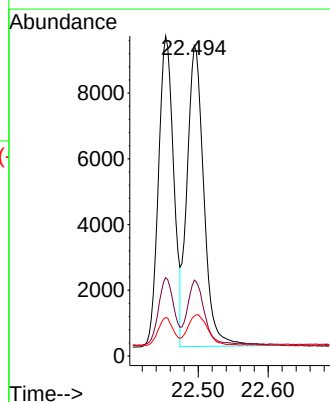
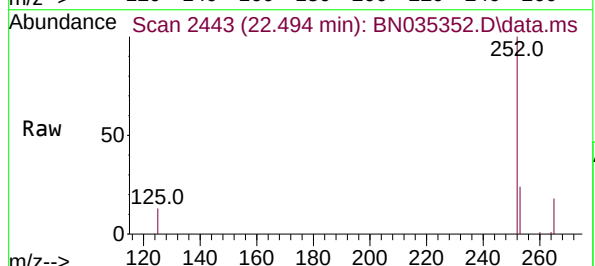
Tgt Ion:252 Resp: 15199

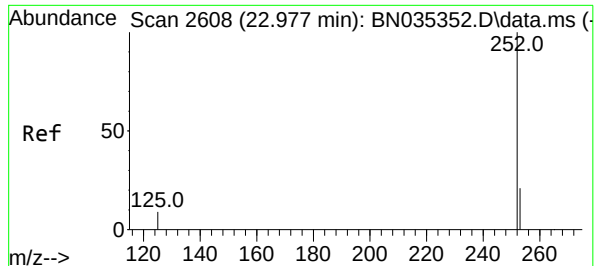
Ion Ratio Lower Upper

252 100

253 24.4 19.5 29.3

125 12.8 10.2 15.4





#39

Benzo(a)pyrene

Concen: 0.387 ng

RT: 22.977 min Scan# 2608

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

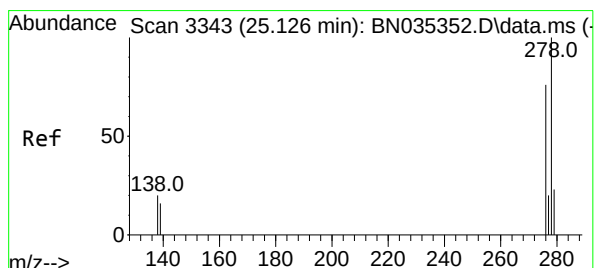
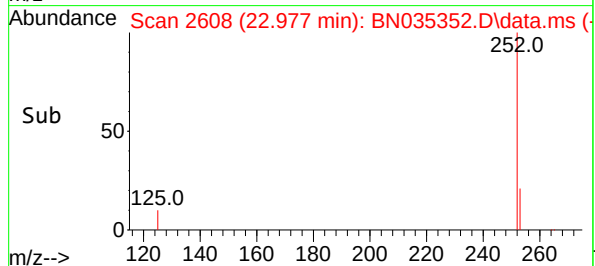
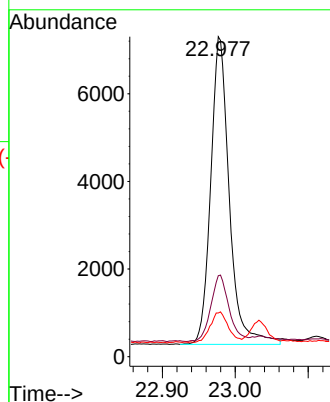
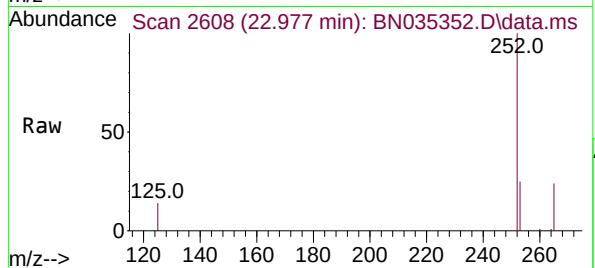
Tgt Ion:	252	Resp:	12425
Ion Ratio	Lower	Upper	
252	100		
253	25.3	20.2	30.4
125	13.6	10.9	16.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.378 ng

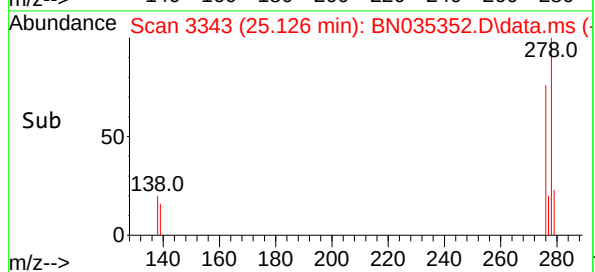
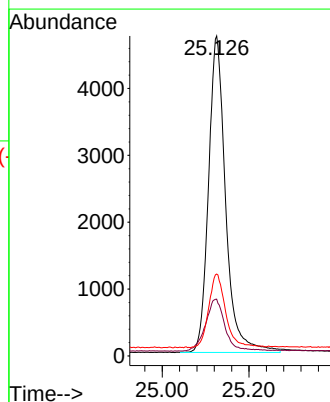
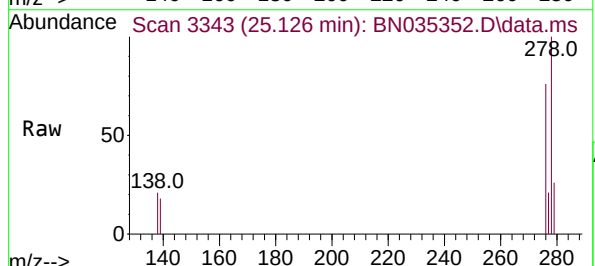
RT: 25.126 min Scan# 3343

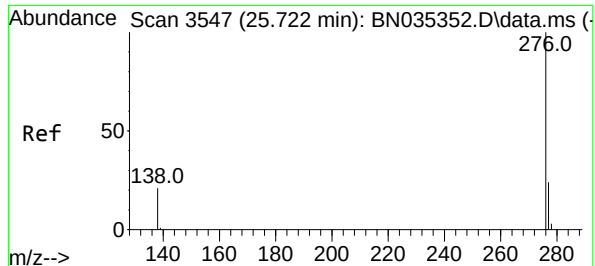
Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Tgt Ion:	278	Resp:	12948
Ion Ratio	Lower	Upper	
278	100		
139	17.8	14.2	21.4
279	25.6	20.5	30.7





#41

Benzo(g,h,i)perylene

Concen: 0.371 ng

RT: 25.722 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN035352.D

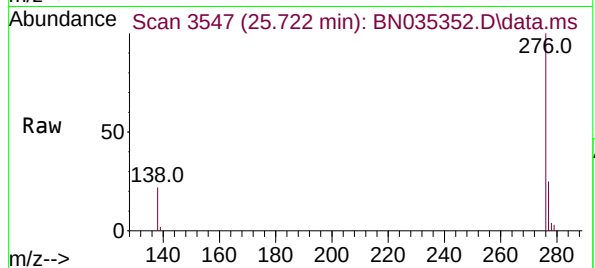
Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



Tgt Ion:276 Resp: 13529

Ion Ratio Lower Upper

276 100

277 24.9 19.9 29.9

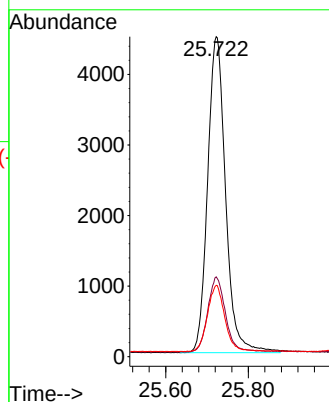
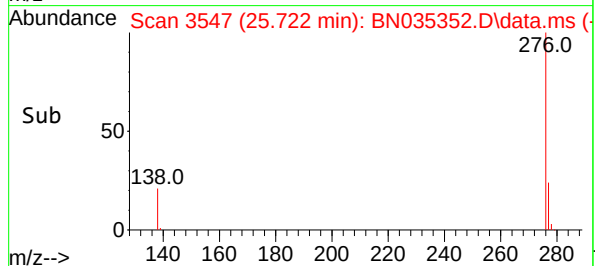
138 22.3 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035353.D
 Acq On : 27 Nov 2024 17:21
 Operator : RC/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.8

Quant Time: Nov 27 22:53:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 22:48:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

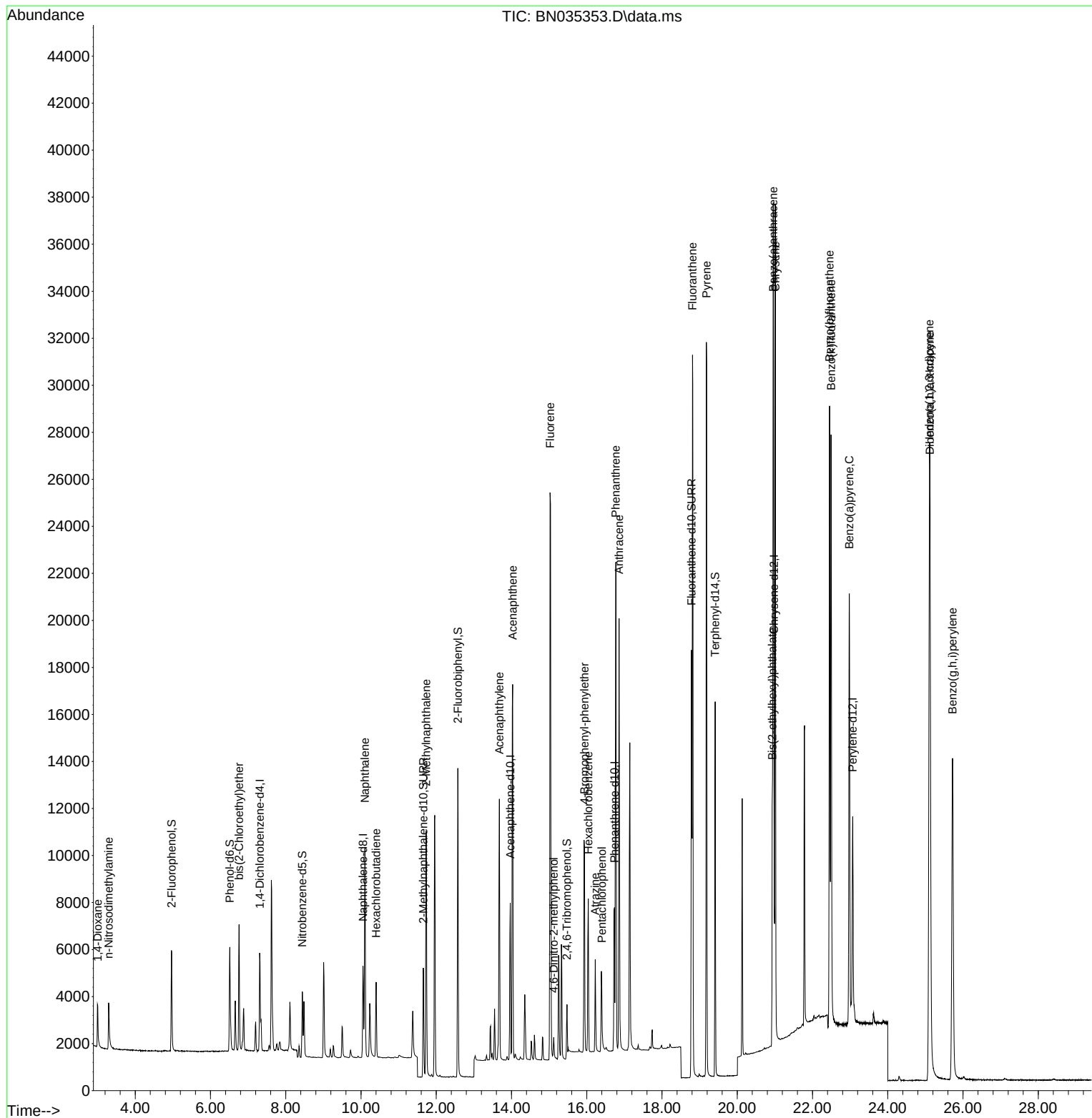
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2047	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5308	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	3823	0.400	ng	0.00
19) Phenanthrene-d10	16.736	188	9525	0.400	ng	0.00
29) Chrysene-d12	20.974	240	9837	0.400	ng	0.00
35) Perylene-d12	23.067	264	10698	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	3924	0.755	ng	0.00
5) Phenol-d6	6.513	99	4681	0.718	ng	0.00
8) Nitrobenzene-d5	8.440	82	2634	0.570	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	6530	0.690	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	2051	0.744	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	11528	0.742	ng	0.00
27) Fluoranthene-d10	18.785	212	21050	0.721	ng	0.00
31) Terphenyl-d14	19.412	244	15171	0.735	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	1554	0.836	ng	99
3) n-Nitrosodimethylamine	3.292	42	1291	0.745	ng	# 98
6) bis(2-Chloroethyl)ether	6.759	93	4066	0.831	ng	100
9) Naphthalene	10.105	128	10954	0.790	ng	99
10) Hexachlorobutadiene	10.404	225	2559	0.630	ng	# 100
12) 2-Methylnaphthalene	11.732	142	7925	0.775	ng	99
16) Acenaphthylene	13.679	152	12523	0.766	ng	100
17) Acenaphthene	14.031	154	8470	0.791	ng	99
18) Fluorene	15.026	166	12232	0.777	ng	99
20) 4,6-Dinitro-2-methylph...	15.122	198	784	0.395	ng	# 88
21) 4-Bromophenyl-phenylether	15.941	248	4440	0.732	ng	98
22) Hexachlorobenzene	16.041	284	5253	0.834	ng	99
23) Atrazine	16.227	200	2978	0.547	ng	99
24) Pentachlorophenol	16.400	266	1968	0.669	ng	87
25) Phenanthrene	16.773	178	20803	0.830	ng	100
26) Anthracene	16.860	178	18528	0.805	ng	99
28) Fluoranthene	18.813	202	27743	0.805	ng	100
30) Pyrene	19.180	202	28384	0.866	ng	100
32) Benzo(a)anthracene	20.956	228	27048	0.790	ng	99
33) Chrysene	21.010	228	27838	0.820	ng	99
34) Bis(2-ethylhexyl)phtha...	20.929	149	9941	0.553	ng	100
36) Indeno(1,2,3-cd)pyrene	25.108	276	33248	0.779	ng	100
37) Benzo(b)fluoranthene	22.453	252	29491	0.819	ng	96
38) Benzo(k)fluoranthene	22.494	252	30369	0.843	ng	96
39) Benzo(a)pyrene	22.977	252	25053	0.791	ng	96
40) Dibenzo(a,h)anthracene	25.123	278	26222	0.775	ng	98
41) Benzo(g,h,i)perylene	25.722	276	27143	0.755	ng	98

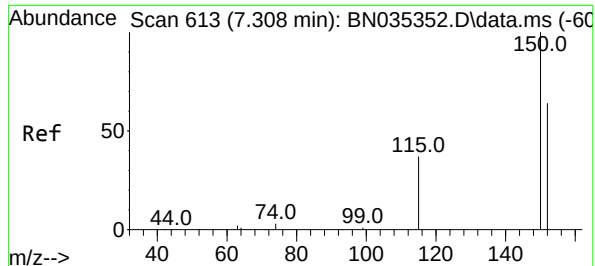
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035353.D
Acq On : 27 Nov 2024 17:21
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

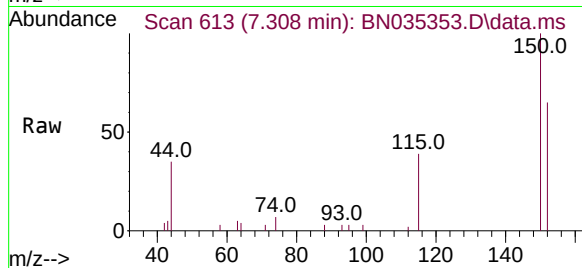
Quant Time: Nov 27 22:53:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration



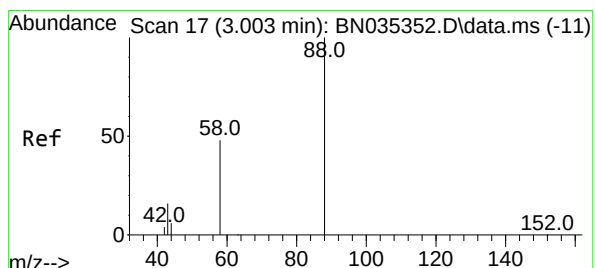
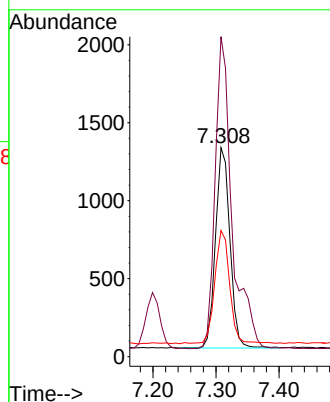
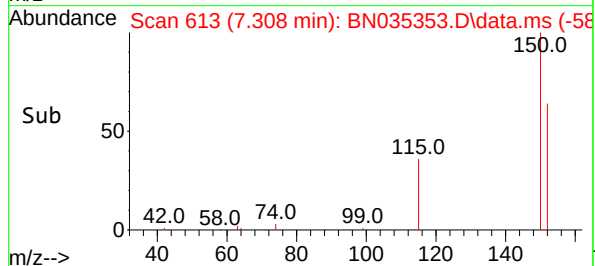


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

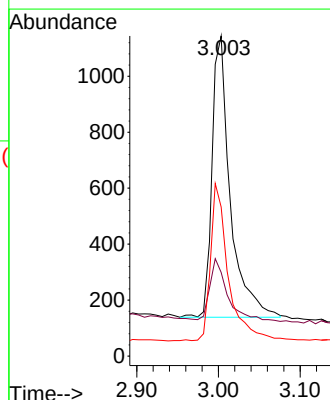
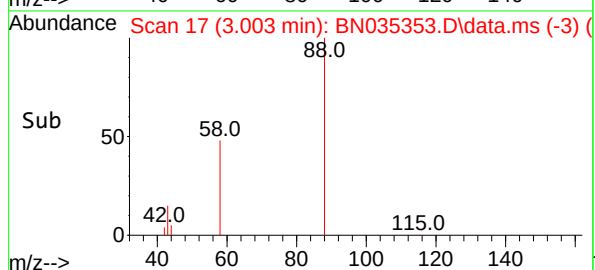
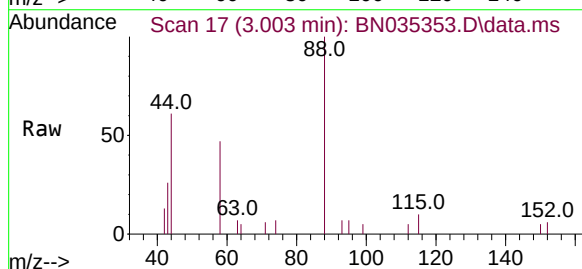


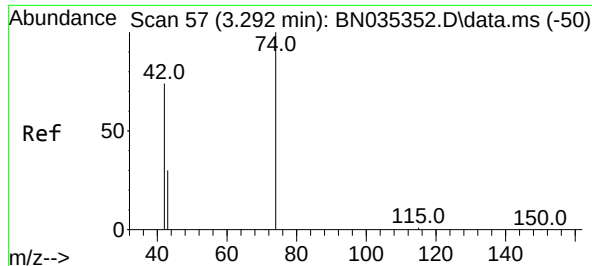
Tgt Ion: 152 Resp: 2047
Ion Ratio Lower Upper
152 100
150 153.1 124.0 186.0
115 60.3 49.6 74.4



#2
1,4-Dioxane
Concen: 0.836 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion: 88 Resp: 1554
Ion Ratio Lower Upper
88 100
43 22.1 17.2 25.8
58 54.8 44.5 66.7

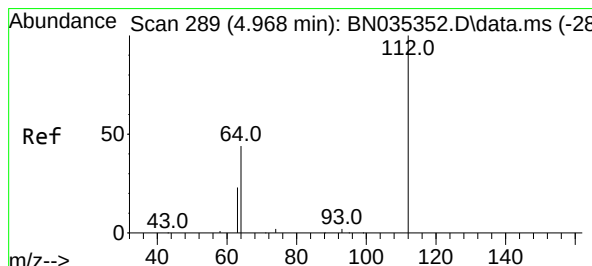
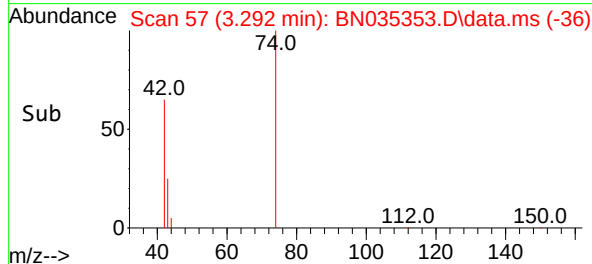
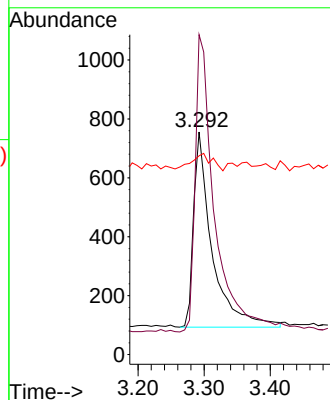
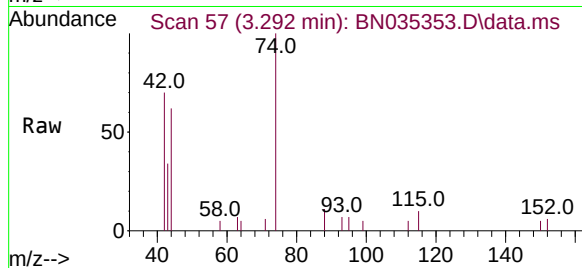




#3
n-Nitrosodimethylamine
Concen: 0.745 ng
RT: 3.292 min Scan# 57
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

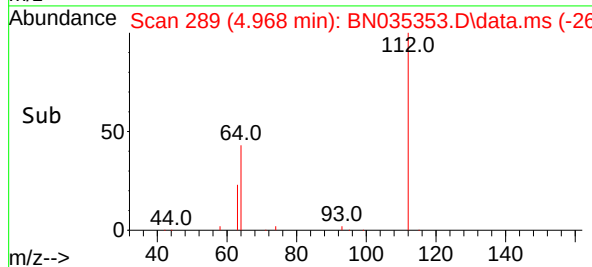
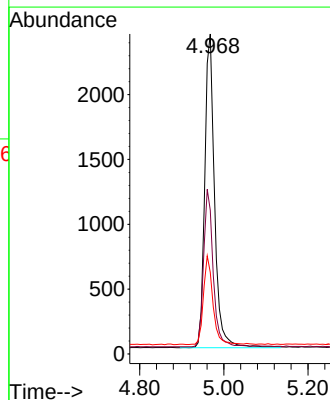
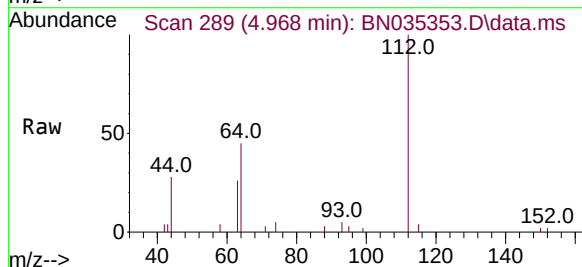
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

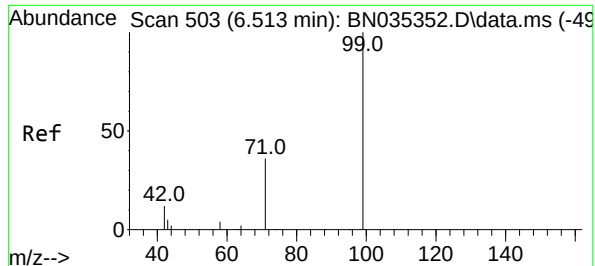
Tgt Ion: 42 Resp: 1291
Ion Ratio Lower Upper
42 100
74 158.7 124.9 187.3
44 9.8 2.2 3.4#



#4
2-Fluorophenol
Concen: 0.755 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion: 112 Resp: 3924
Ion Ratio Lower Upper
112 100
64 49.0 39.8 59.8
63 27.0 21.0 31.6

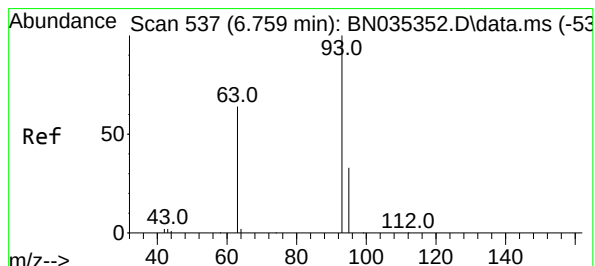
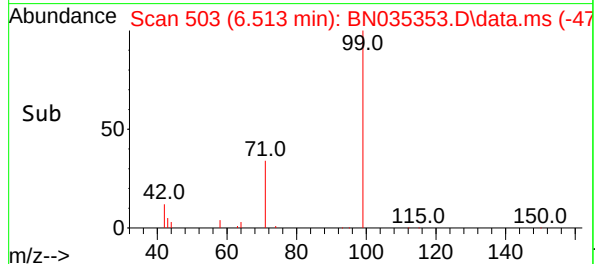
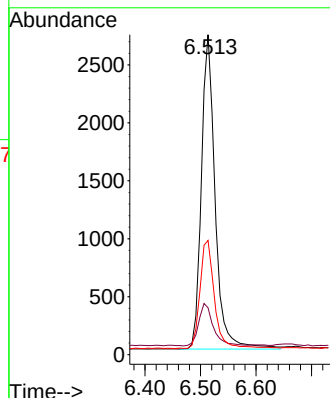
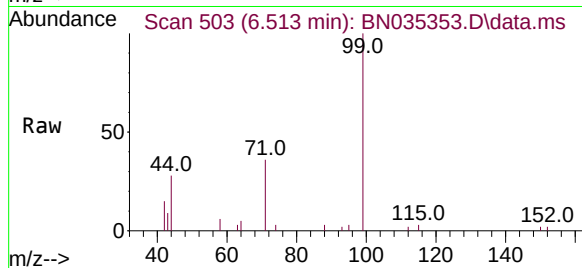




#5
Phenol-d6
Concen: 0.718 ng
RT: 6.513 min Scan# 503
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

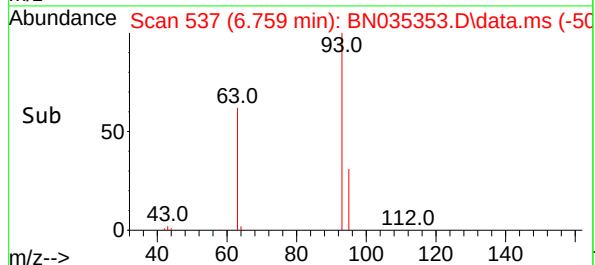
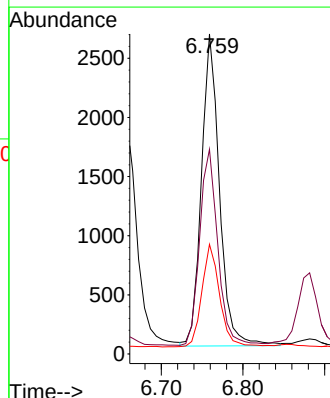
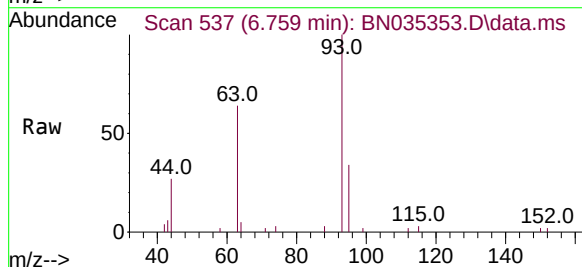
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

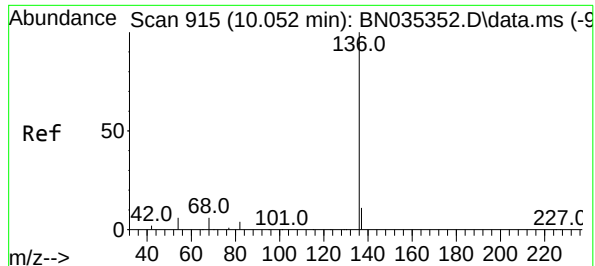
Tgt Ion	Ratio	Lower	Upper
99	100		
42	14.3	11.4	17.2
71	36.1	29.3	43.9



#6
bis(2-Chloroethyl)ether
Concen: 0.831 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion	Ratio	Lower	Upper
93	100		
63	62.8	50.4	75.6
95	32.4	25.7	38.5

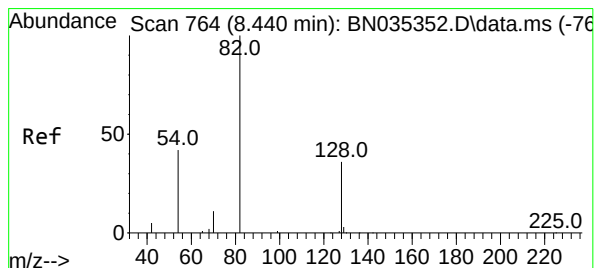
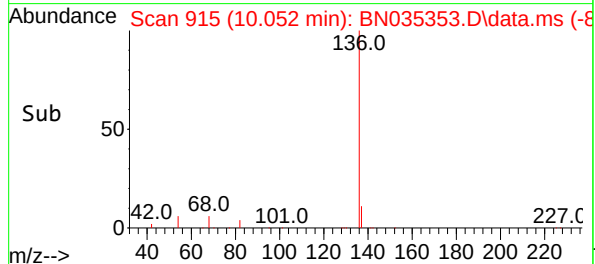
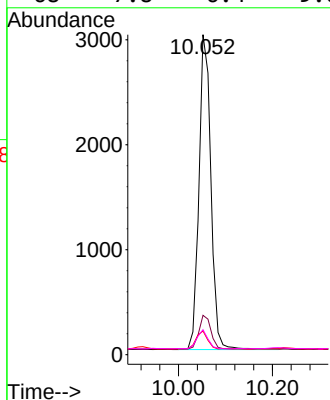
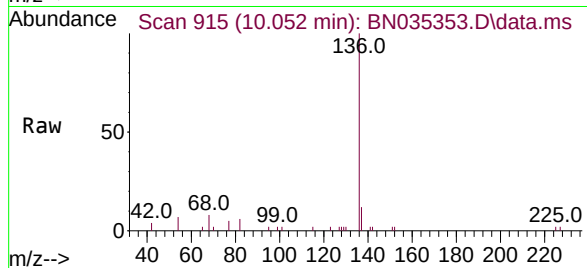




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

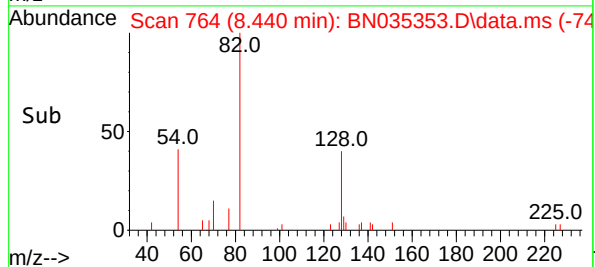
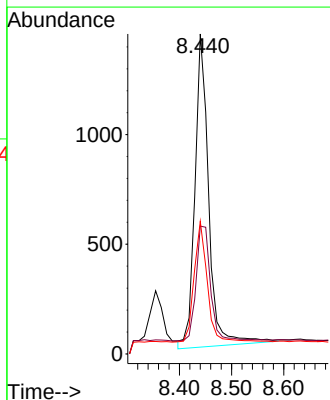
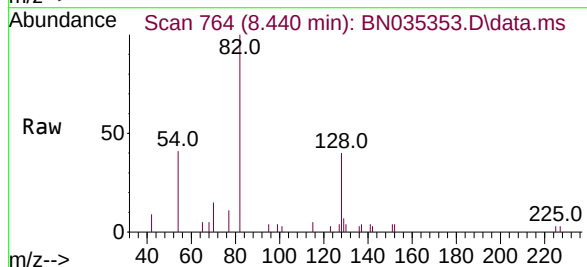
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

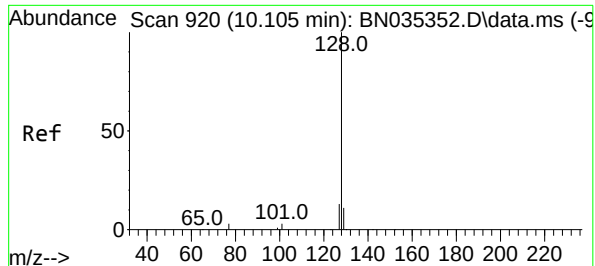
Tgt Ion:	136	Resp:	5308
Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.2	15.2
54	7.4	6.1	9.1
68	7.8	6.4	9.6



#8
Nitrobenzene-d5
Concen: 0.570 ng
RT: 8.440 min Scan# 764
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:	82	Resp:	2634
Ion	Ratio	Lower	Upper
82	100		
128	40.0	33.4	50.0
54	41.5	36.7	55.1

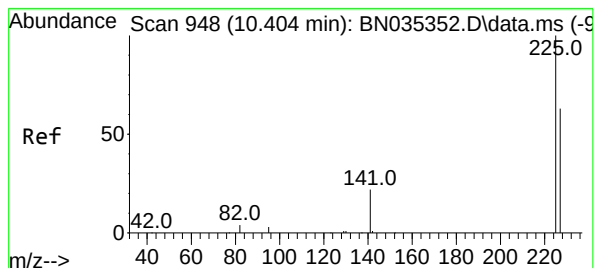
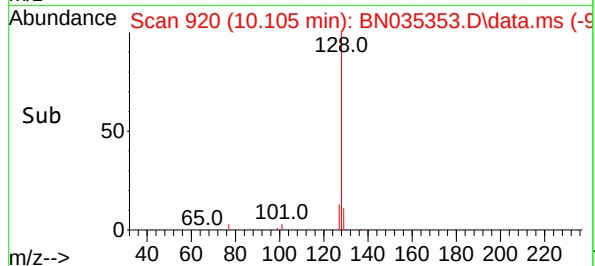
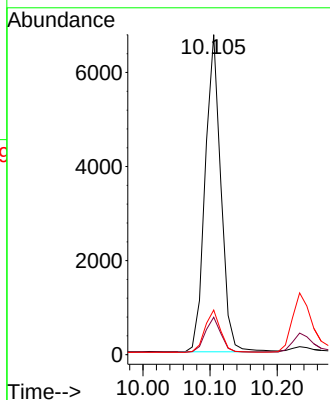
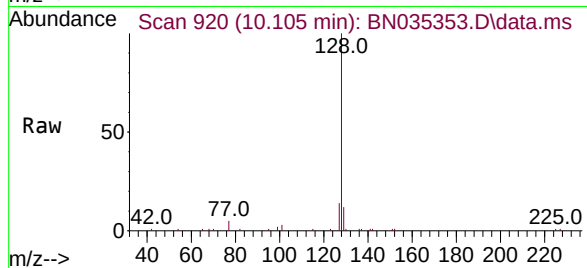




#9
Naphthalene
Concen: 0.790 ng
RT: 10.105 min Scan# 912
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

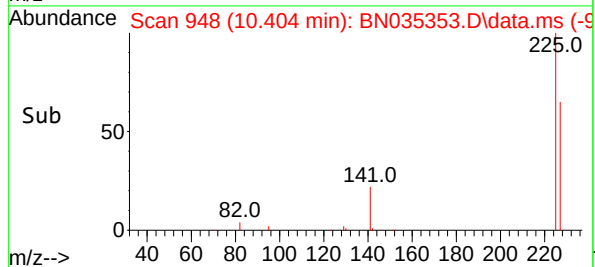
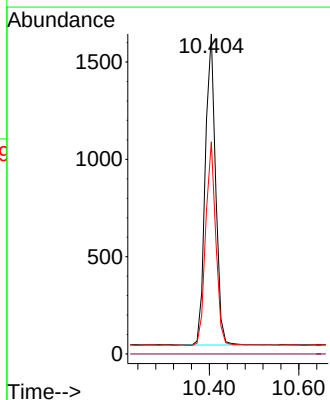
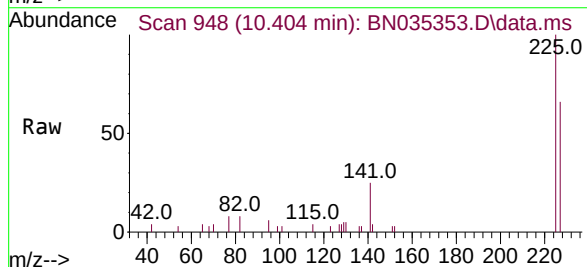
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

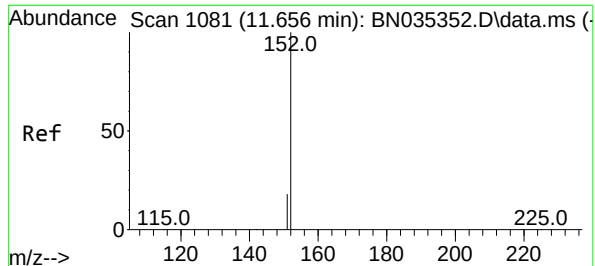
Tgt Ion:128 Resp: 10954
Ion Ratio Lower Upper
128 100
129 11.7 9.8 14.6
127 13.9 11.4 17.2



#10
Hexachlorobutadiene
Concen: 0.630 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:225 Resp: 2559
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.1 51.3 76.9

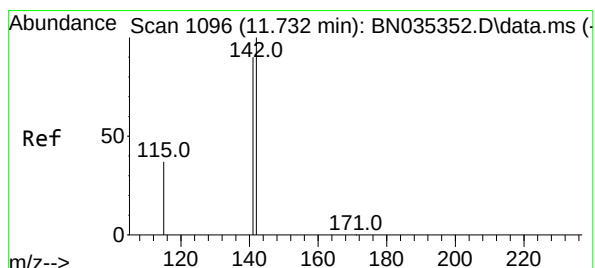
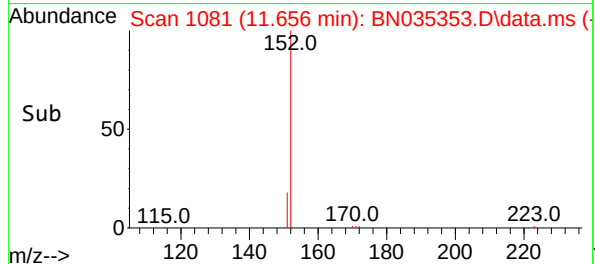
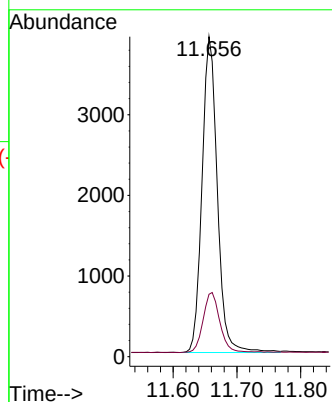
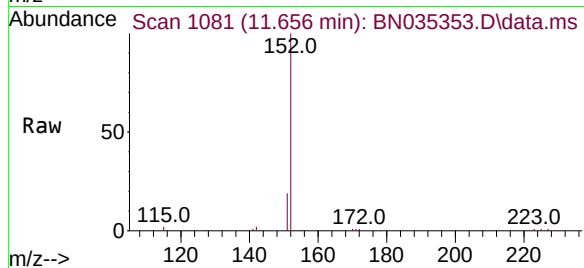




#11
2-Methylnaphthalene-d10
Concen: 0.690 ng
RT: 11.656 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

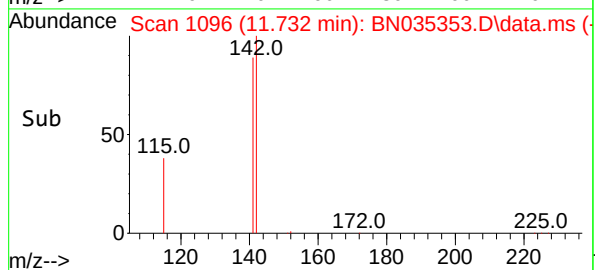
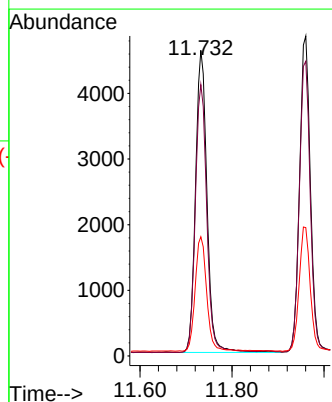
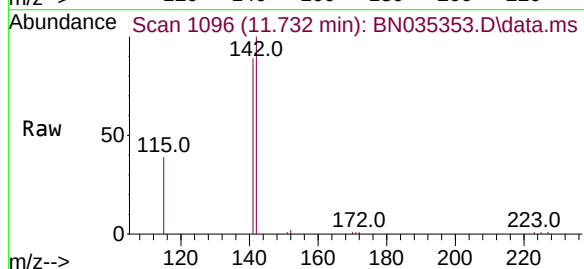
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

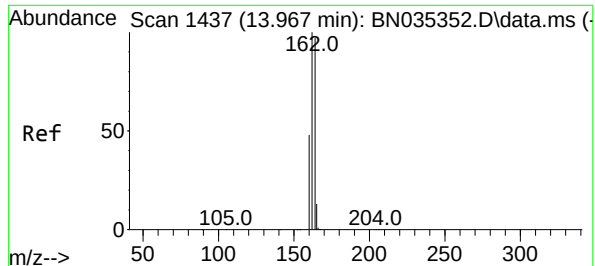
Tgt Ion:152 Resp: 6530
Ion Ratio Lower Upper
152 100
151 20.8 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.775 ng
RT: 11.732 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:142 Resp: 7925
Ion Ratio Lower Upper
142 100
141 88.8 72.2 108.4
115 39.0 31.4 47.0

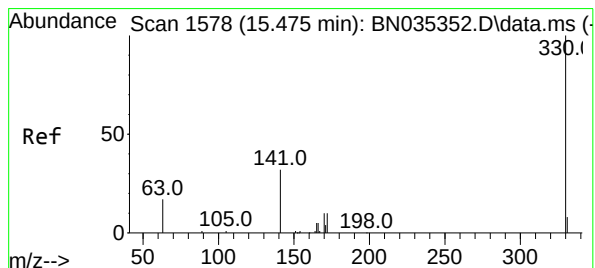
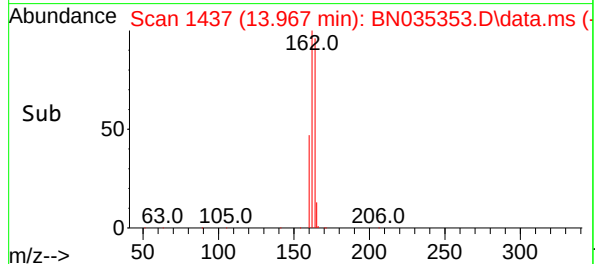
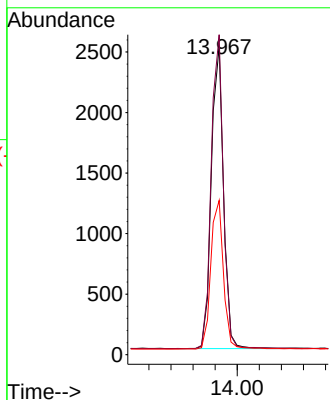
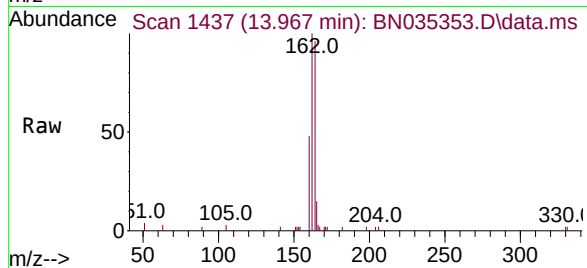




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

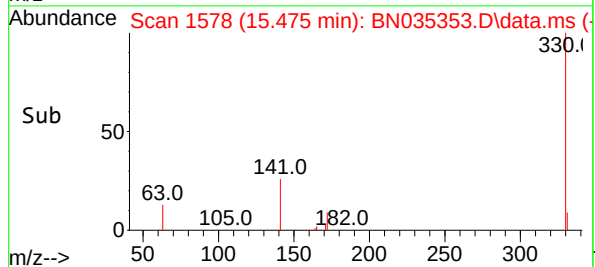
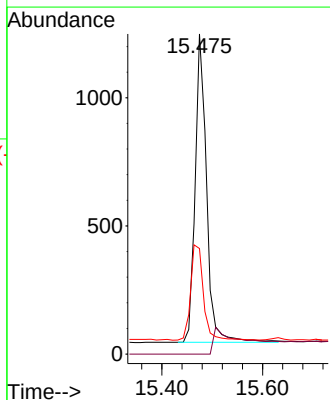
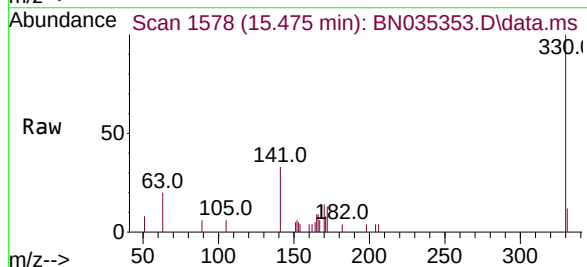
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

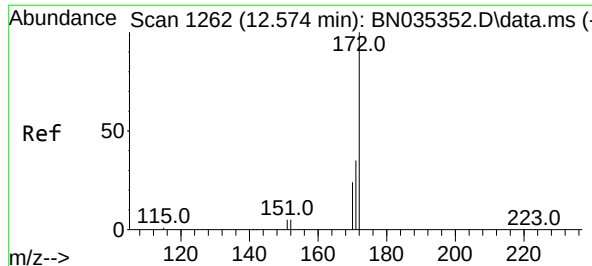
Tgt Ion:164 Resp: 3823
Ion Ratio Lower Upper
164 100
162 103.9 82.2 123.2
160 50.1 40.1 60.1



#14
2,4,6-Tribromophenol
Concen: 0.744 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:330 Resp: 2051
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.3 26.6 40.0





#15

2-Fluorobiphenyl

Concen: 0.742 ng

RT: 12.574 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

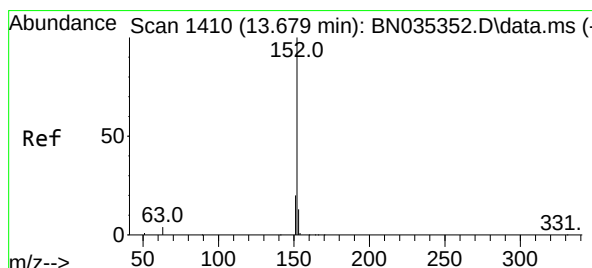
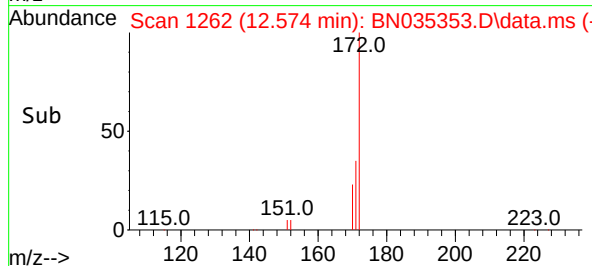
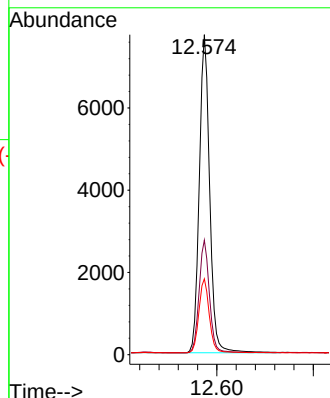
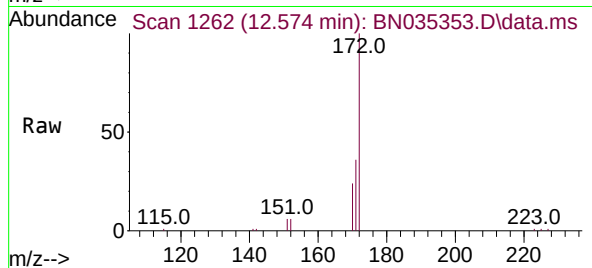
Tgt Ion:172 Resp: 11528

Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.4

170 23.7 19.8 29.8



#16

Acenaphthylene

Concen: 0.766 ng

RT: 13.679 min Scan# 1410

Delta R.T. 0.000 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

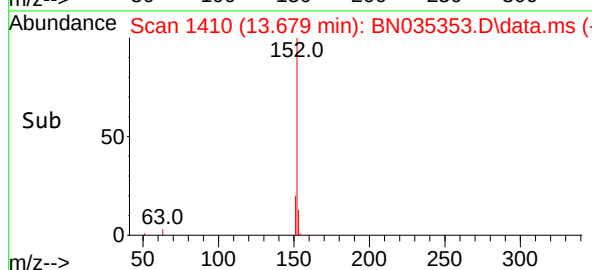
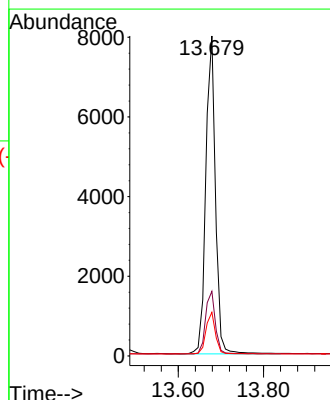
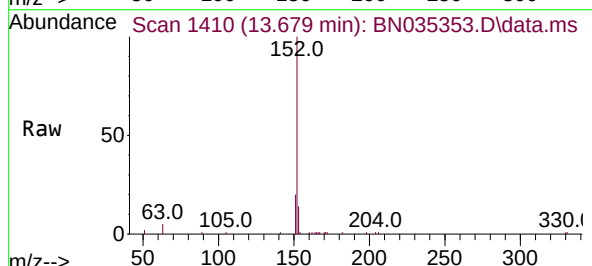
Tgt Ion:152 Resp: 12523

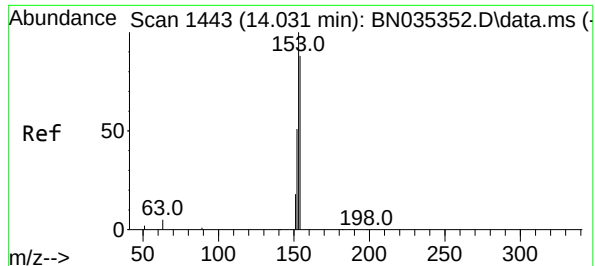
Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

153 12.9 10.4 15.6

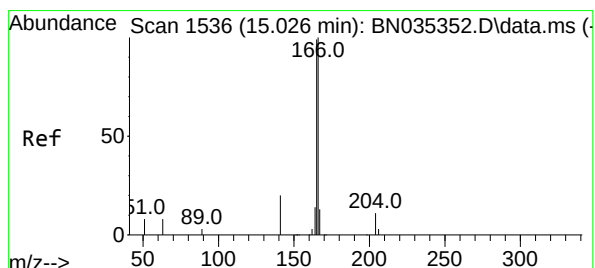
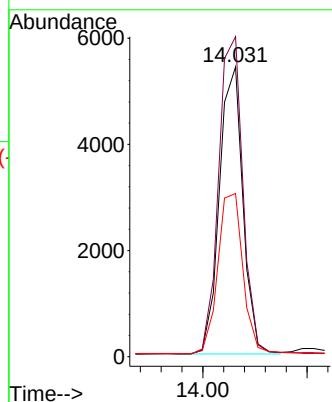
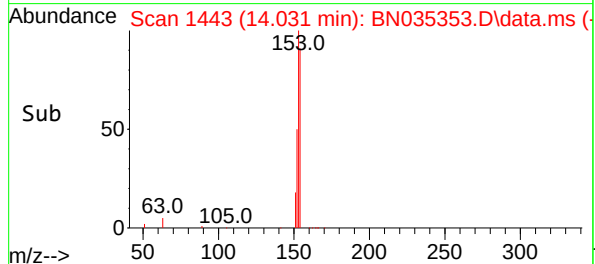
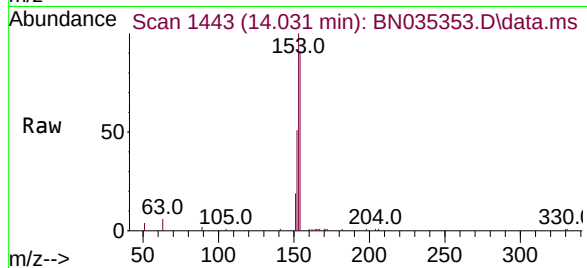




#17
Acenaphthene
Concen: 0.791 ng
RT: 14.031 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

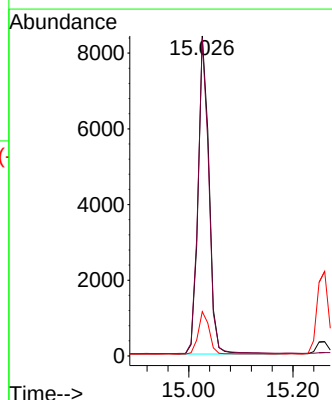
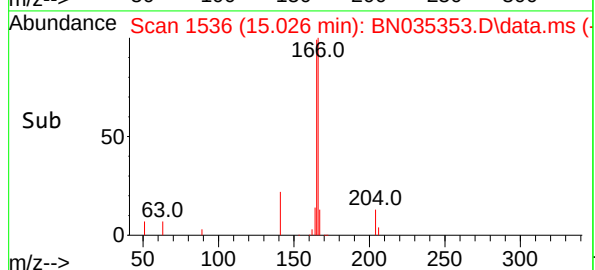
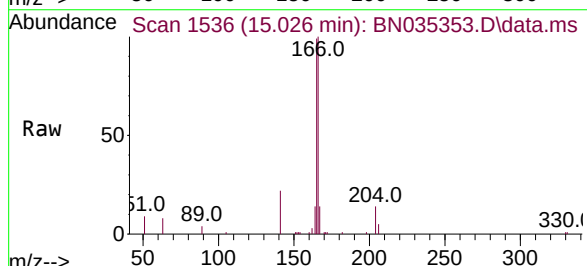
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

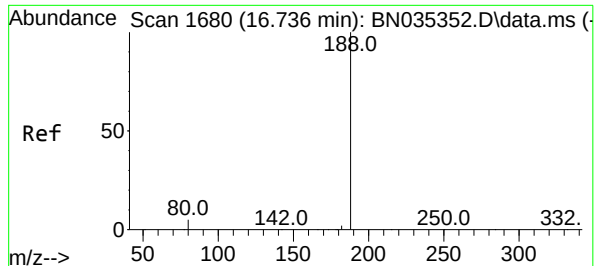
Tgt Ion:154 Resp: 8470
Ion Ratio Lower Upper
154 100
153 114.8 92.6 139.0
152 60.2 49.0 73.6



#18
Fluorene
Concen: 0.777 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:166 Resp: 12232
Ion Ratio Lower Upper
166 100
165 98.5 79.7 119.5
167 13.5 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.736 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

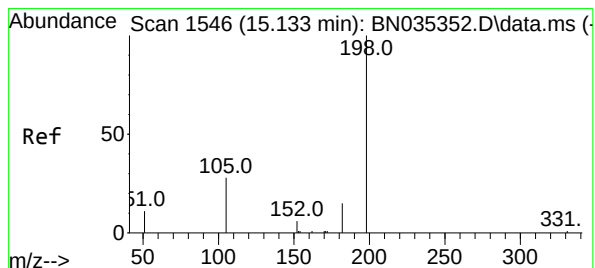
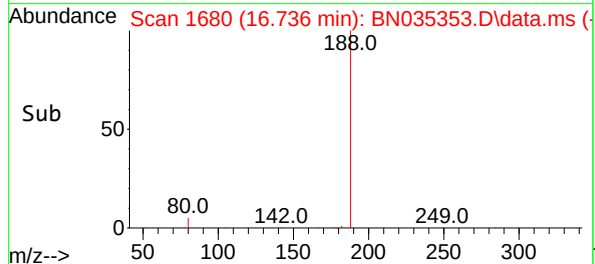
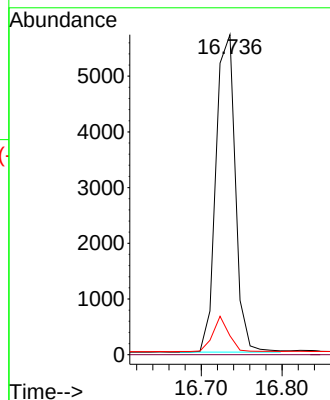
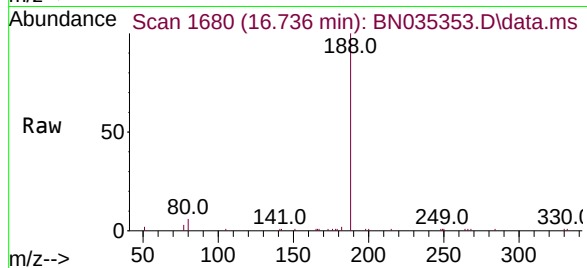
Tgt Ion:188 Resp: 9525

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 5.9 4.6 6.8



#20

4,6-Dinitro-2-methylphenol

Concen: 0.395 ng

RT: 15.122 min Scan# 1545

Delta R.T. -0.011 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

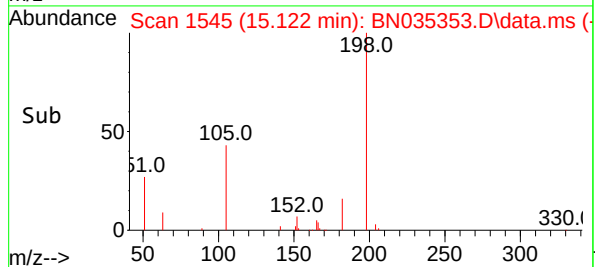
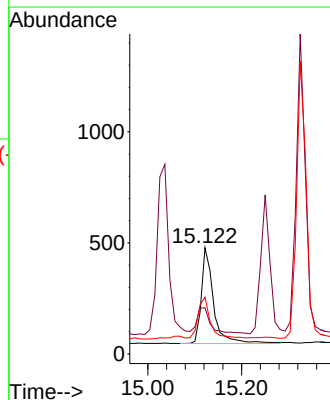
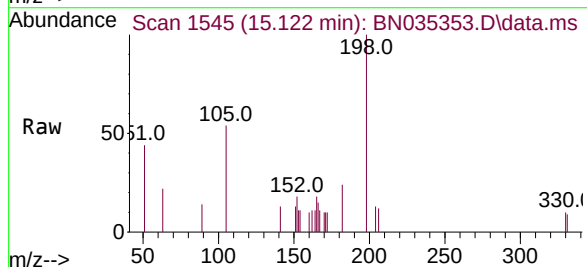
Tgt Ion:198 Resp: 784

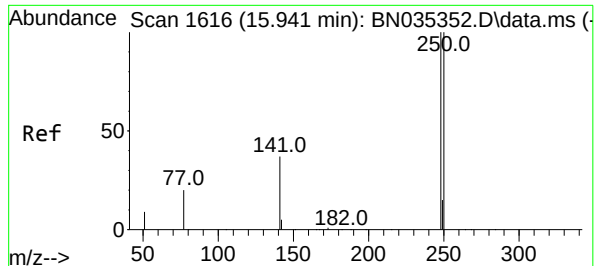
Ion Ratio Lower Upper

198 100

51 43.5 46.5 69.7#

105 53.6 45.3 67.9

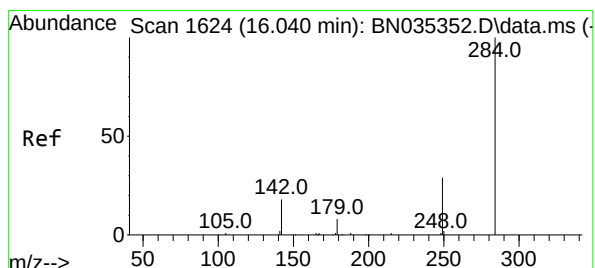
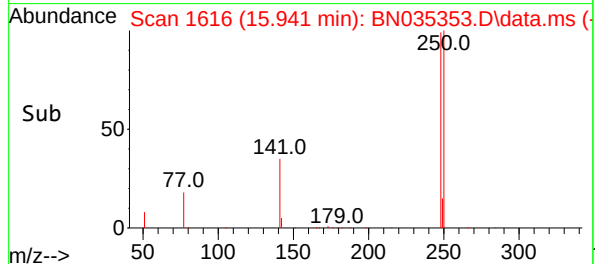
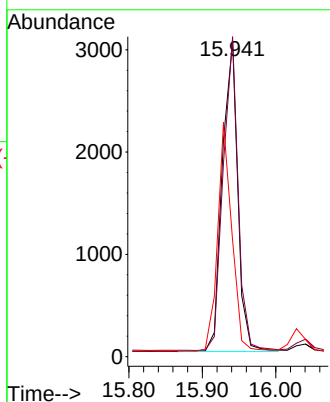
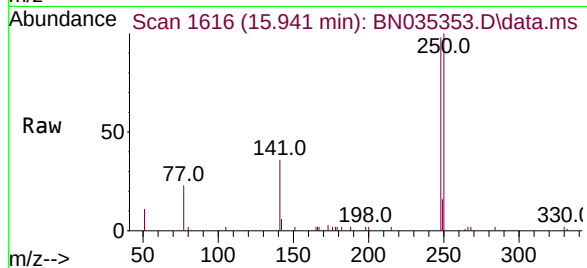




#21
4-Bromophenyl-phenylether
Concen: 0.732 ng
RT: 15.941 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

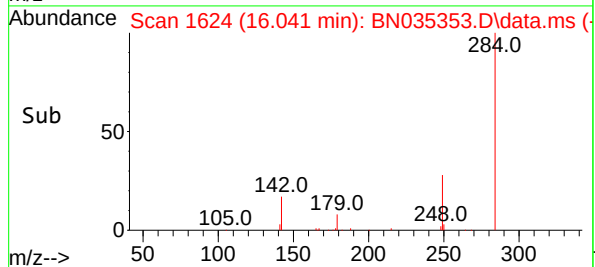
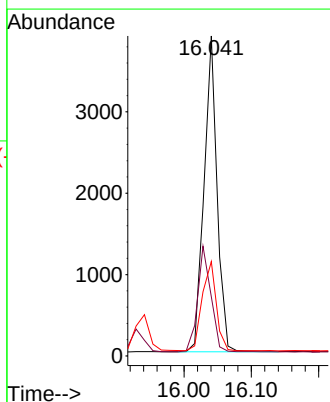
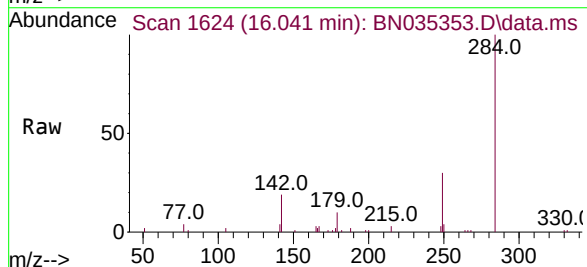
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

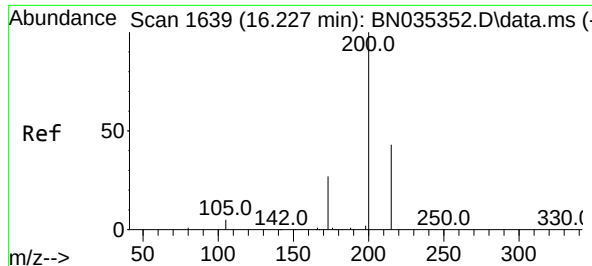
Tgt Ion	Ratio	Lower	Upper
248	100		
250	101.5	80.6	120.8
141	36.9	31.5	47.3



#22
Hexachlorobenzene
Concen: 0.834 ng
RT: 16.041 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.0	26.7	40.1
249	30.3	24.6	36.8

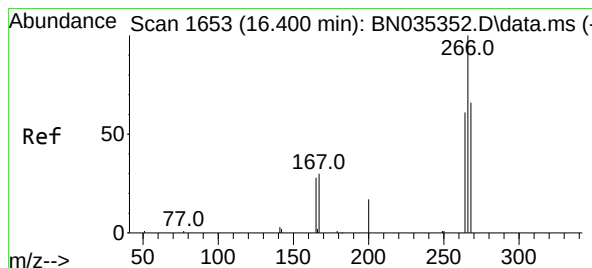
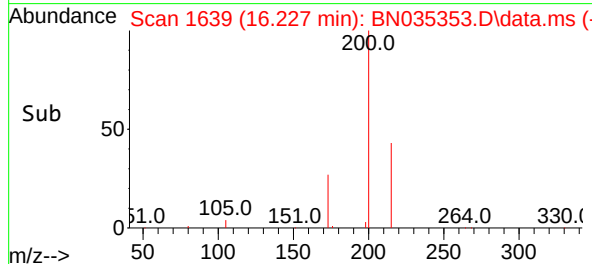
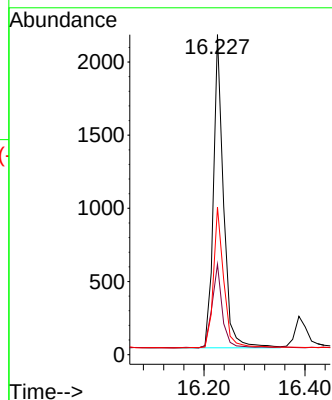
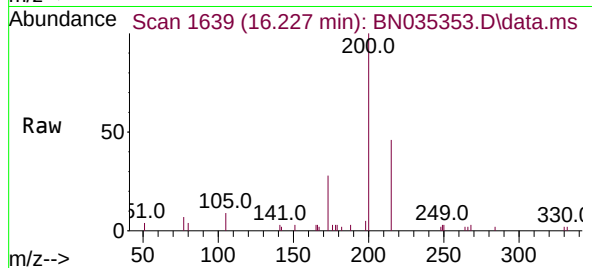




#23
Atrazine
Concen: 0.547 ng
RT: 16.227 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

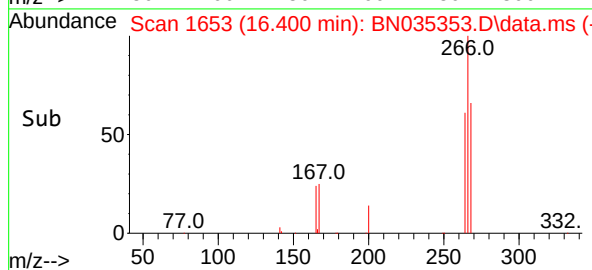
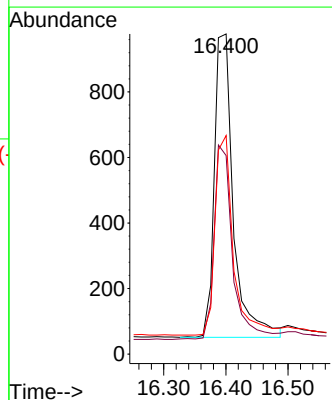
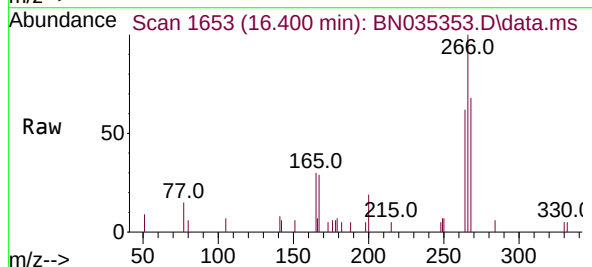
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

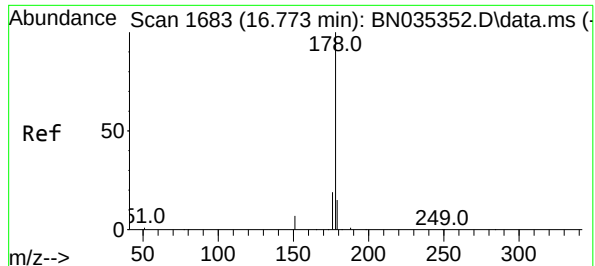
Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.3	24.1	36.1
215	46.1	36.9	55.3



#24
Pentachlorophenol
Concen: 0.669 ng
RT: 16.400 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.9	42.3	63.5
268	63.7	43.3	64.9

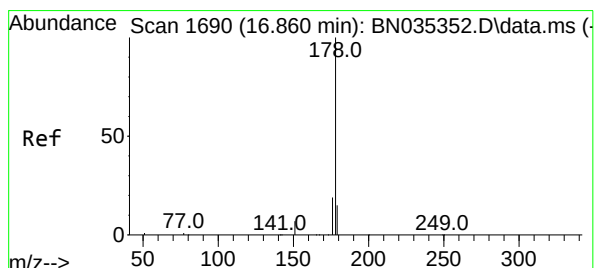
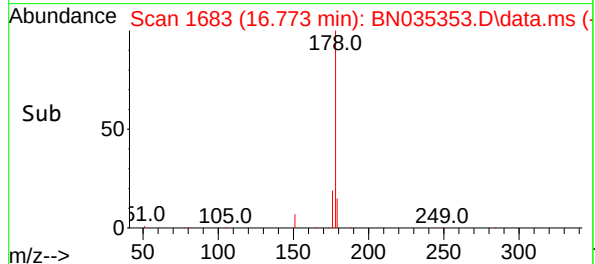
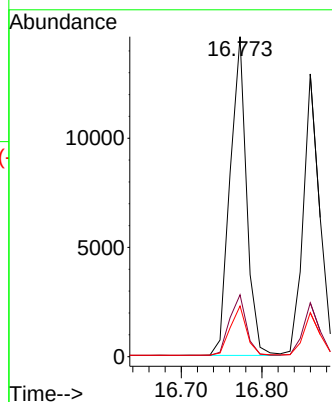
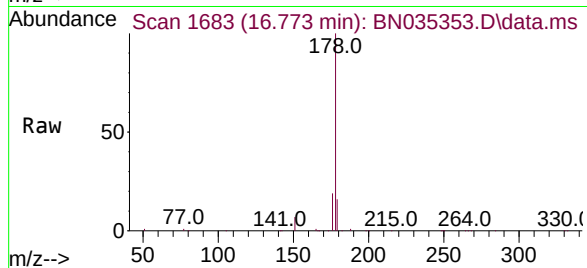




#25
Phenanthrene
Concen: 0.830 ng
RT: 16.773 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

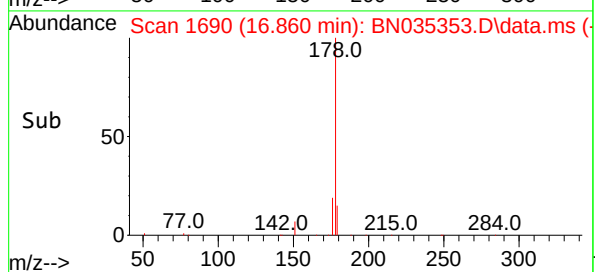
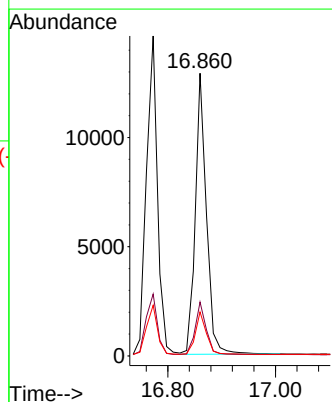
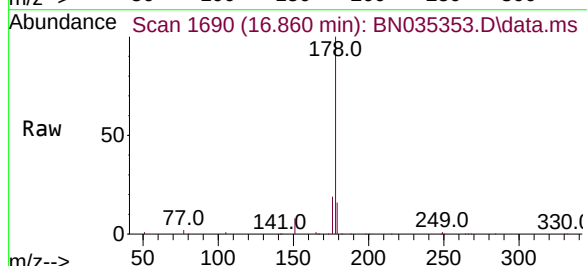
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

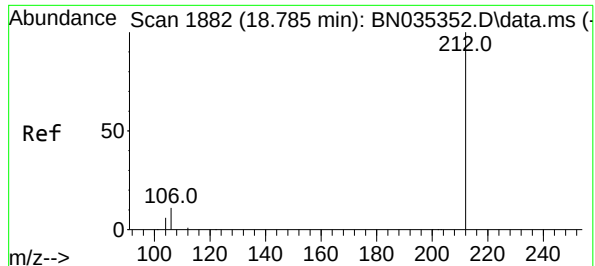
Tgt Ion:178 Resp: 20803
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.4 12.3 18.5



#26
Anthracene
Concen: 0.805 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:178 Resp: 18528
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.2 12.6 18.8





#27

Fluoranthene-d10

Concen: 0.721 ng

RT: 18.785 min Scan# 1882

Delta R.T. 0.000 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

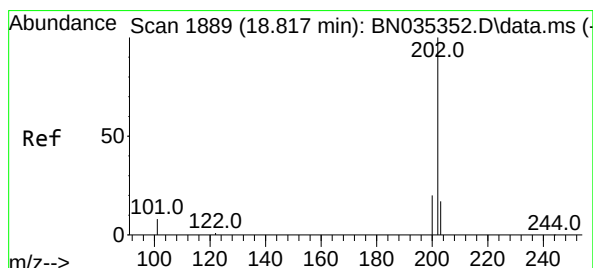
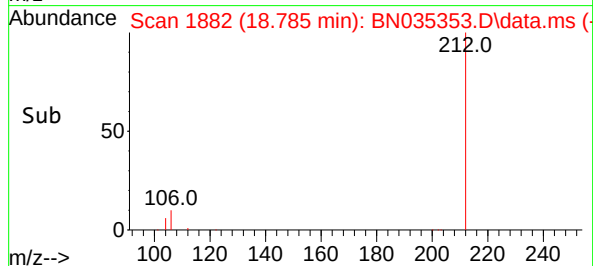
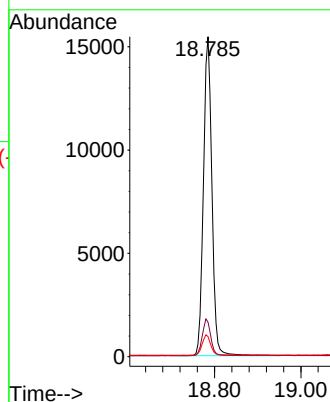
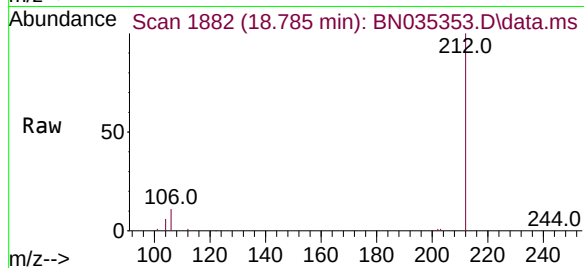
Tgt Ion:212 Resp: 21050

Ion Ratio Lower Upper

212 100

106 11.3 9.2 13.8

104 6.4 5.3 7.9



#28

Fluoranthene

Concen: 0.805 ng

RT: 18.813 min Scan# 1888

Delta R.T. -0.005 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

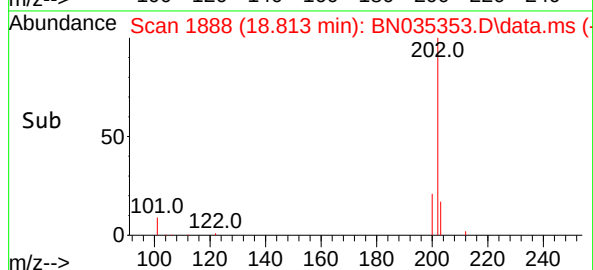
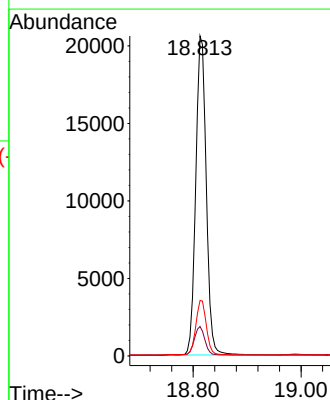
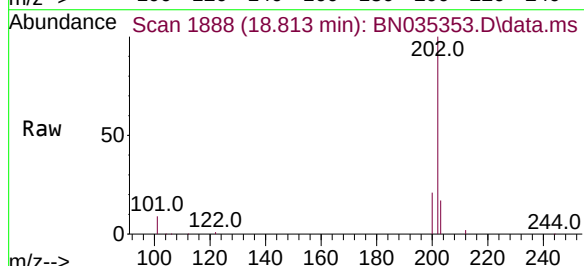
Tgt Ion:202 Resp: 27743

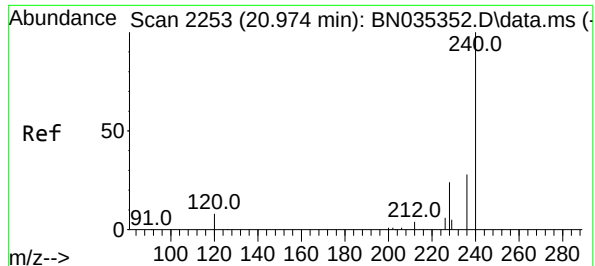
Ion Ratio Lower Upper

202 100

101 9.1 7.4 11.0

203 17.1 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.974 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

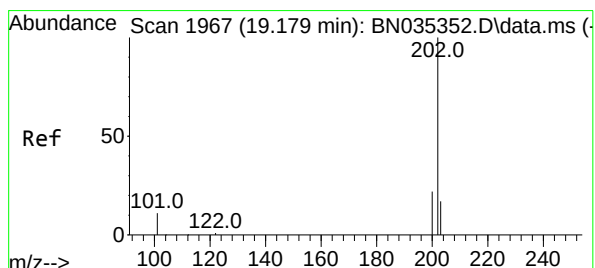
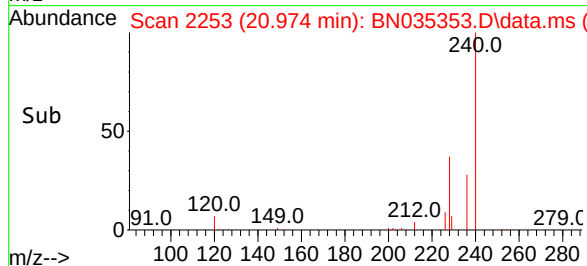
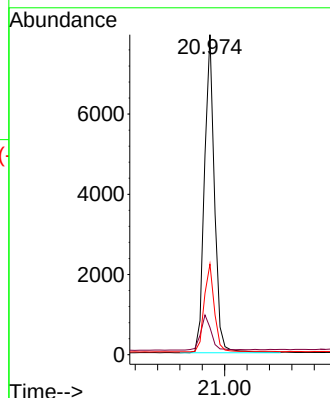
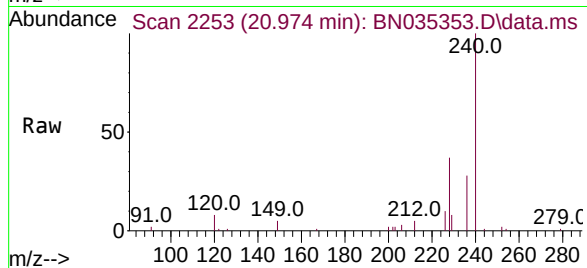
Tgt Ion:240 Resp: 9837

Ion Ratio Lower Upper

240 100

120 8.5 7.9 11.9

236 28.3 22.9 34.3



#30

Pyrene

Concen: 0.866 ng

RT: 19.180 min Scan# 1967

Delta R.T. 0.000 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

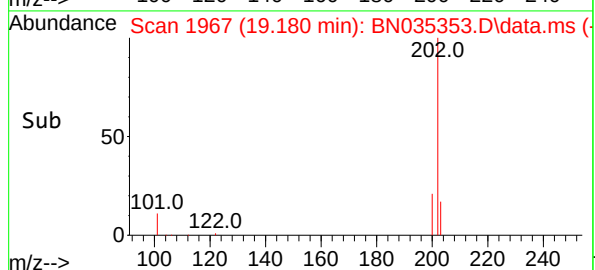
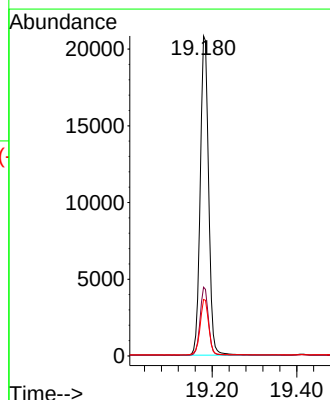
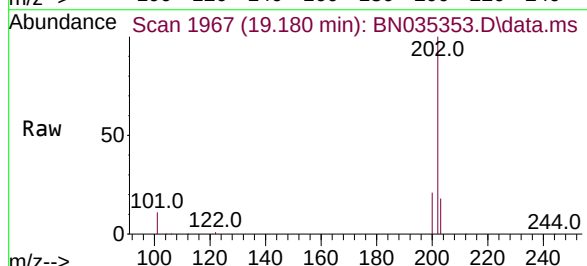
Tgt Ion:202 Resp: 28384

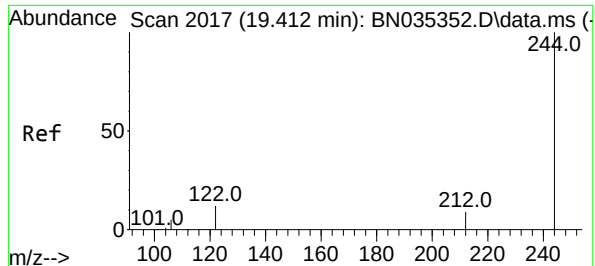
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 17.8 14.3 21.5

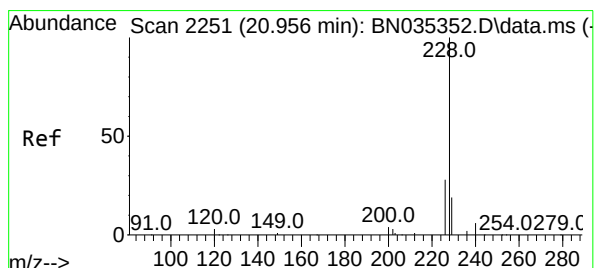
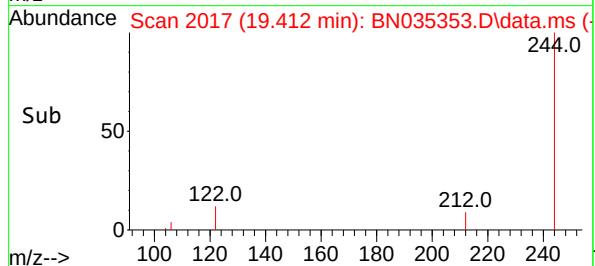
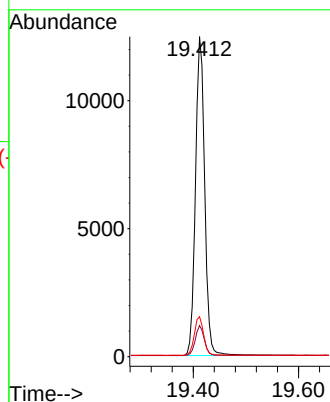
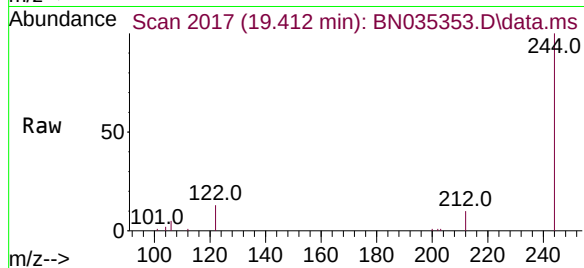




#31
Terphenyl-d14
Concen: 0.735 ng
RT: 19.412 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

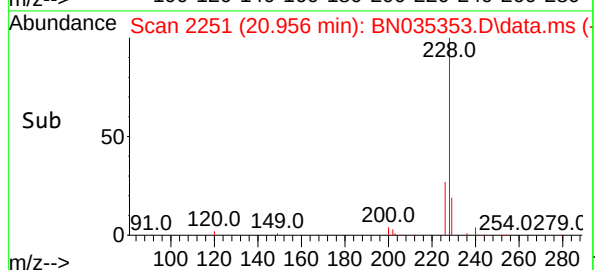
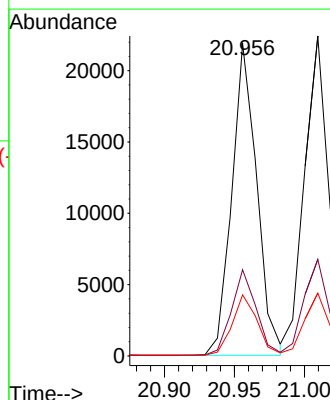
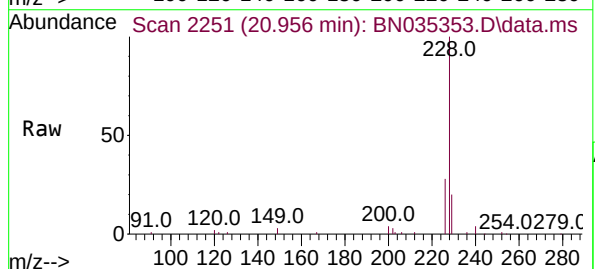
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

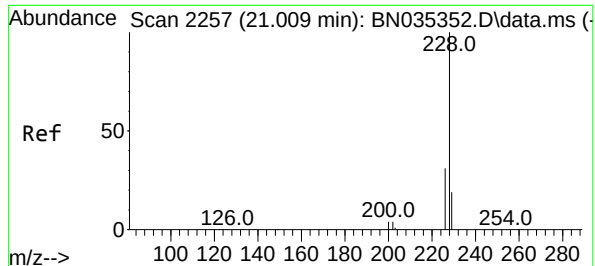
Tgt Ion:244 Resp: 15171
Ion Ratio Lower Upper
244 100
212 9.7 8.1 12.1
122 12.5 10.3 15.5



#32
Benzo(a)anthracene
Concen: 0.790 ng
RT: 20.956 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN035353.D
Acq: 27 Nov 2024 17:21

Tgt Ion:228 Resp: 27048
Ion Ratio Lower Upper
228 100
226 27.6 22.5 33.7
229 19.5 15.8 23.8





#33

Chrysene

Concen: 0.820 ng

RT: 21.010 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

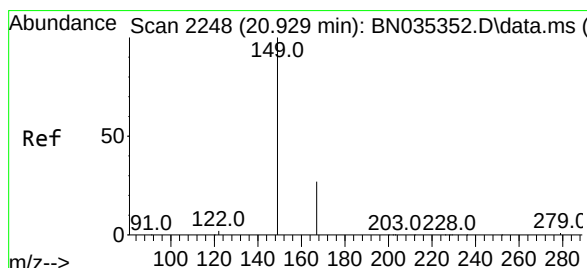
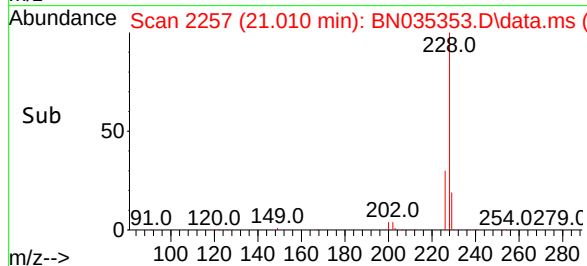
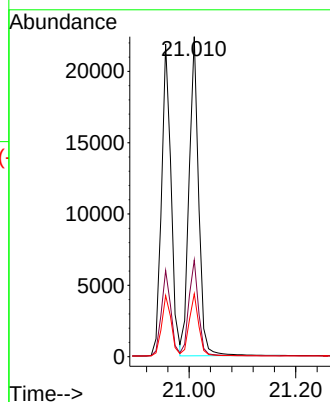
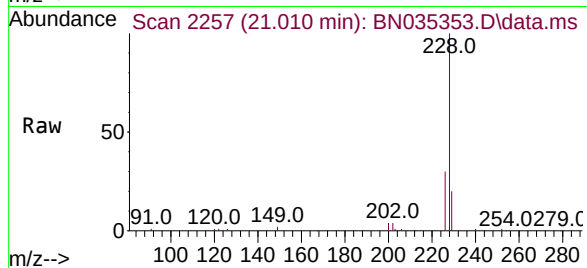
Tgt Ion:228 Resp: 27838

Ion Ratio Lower Upper

228 100

226 30.2 24.6 37.0

229 19.6 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.553 ng

RT: 20.929 min Scan# 2248

Delta R.T. 0.000 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

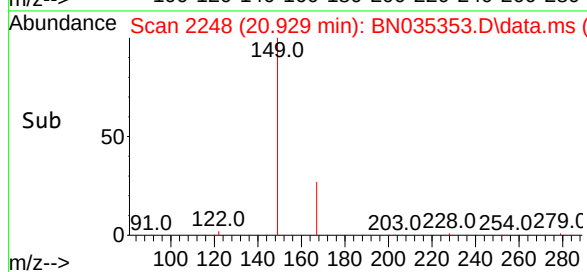
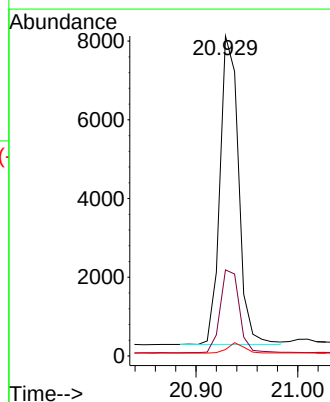
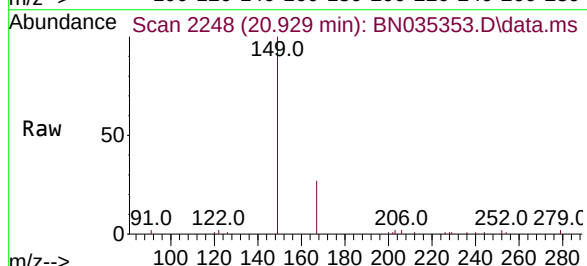
Tgt Ion:149 Resp: 9941

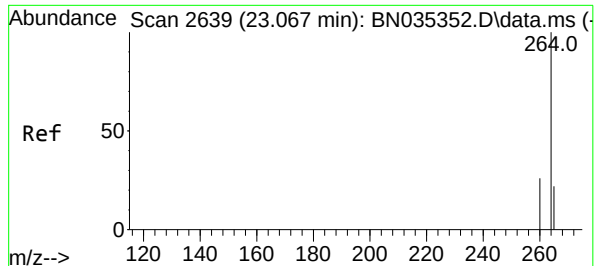
Ion Ratio Lower Upper

149 100

167 27.6 22.2 33.4

279 3.0 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.067 min Scan# 2

Delta R.T. 0.000 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

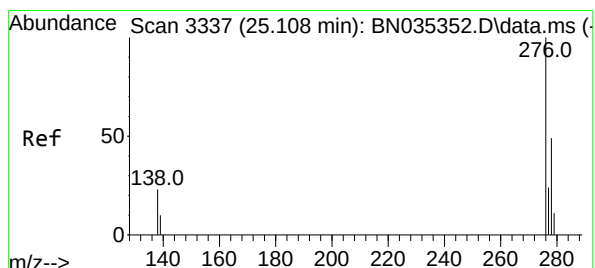
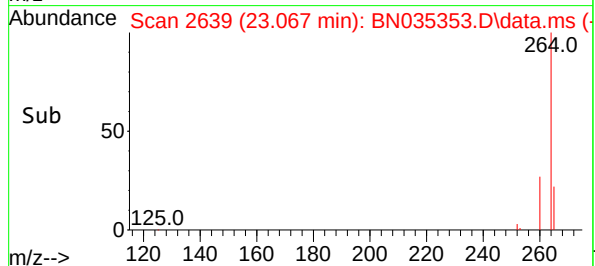
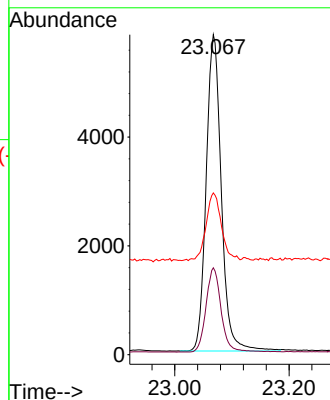
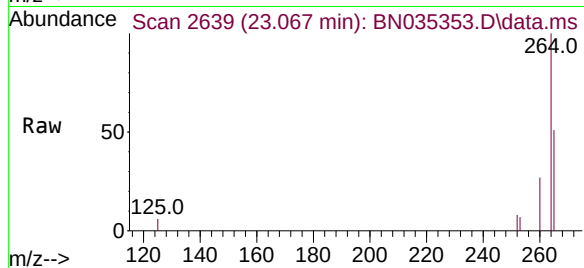
Tgt Ion:264 Resp: 10698

Ion Ratio Lower Upper

264 100

260 27.1 21.4 32.2

265 50.6 40.2 60.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.779 ng

RT: 25.108 min Scan# 3337

Delta R.T. 0.000 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

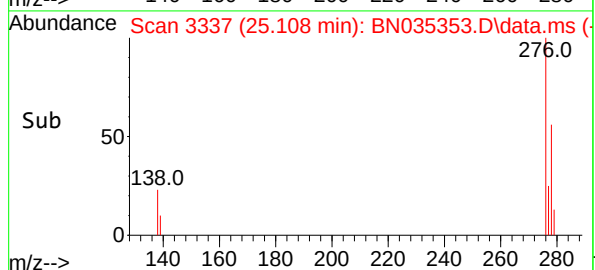
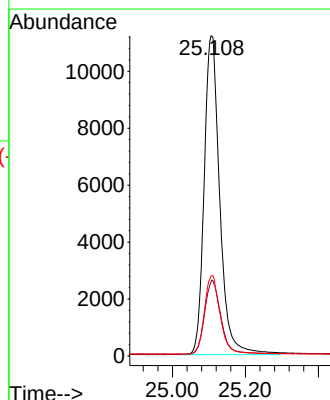
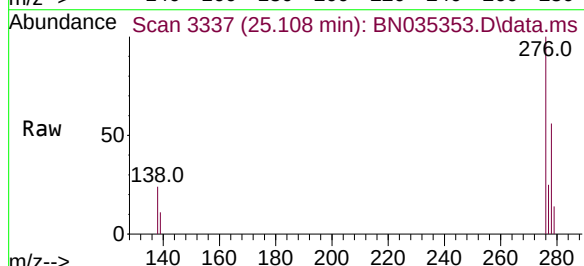
Tgt Ion:276 Resp: 33248

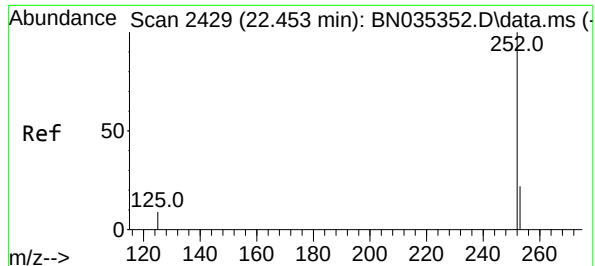
Ion Ratio Lower Upper

276 100

138 23.7 19.4 29.0

277 24.7 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.819 ng

RT: 22.453 min Scan# 2429

Delta R.T. 0.000 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

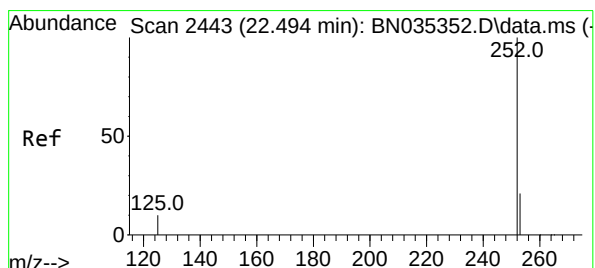
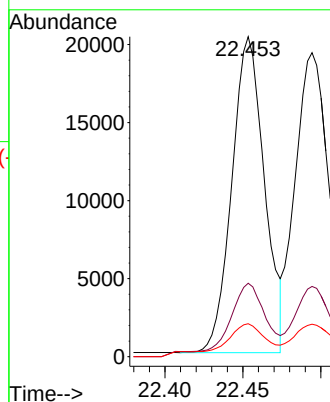
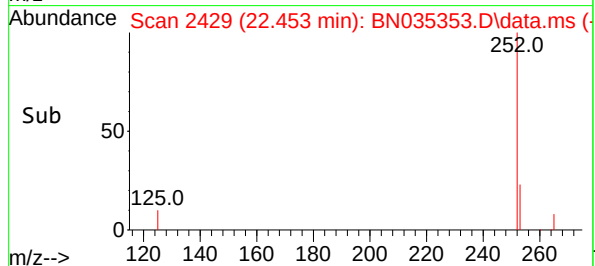
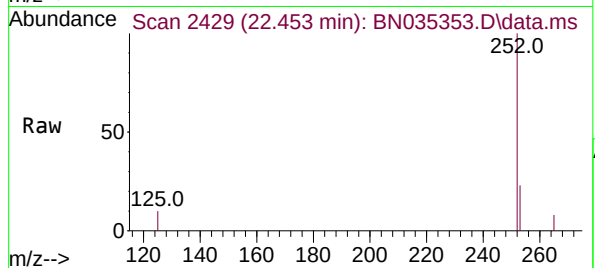
Tgt Ion:252 Resp: 29491

Ion Ratio Lower Upper

252 100

253 22.9 19.6 29.4

125 10.3 9.6 14.4



#38

Benzo(k)fluoranthene

Concen: 0.843 ng

RT: 22.494 min Scan# 2443

Delta R.T. 0.000 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

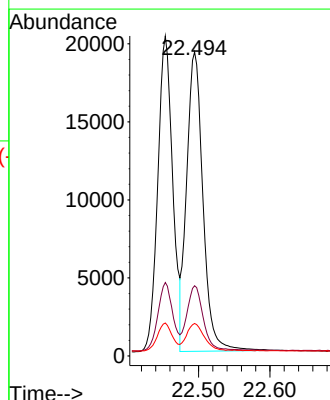
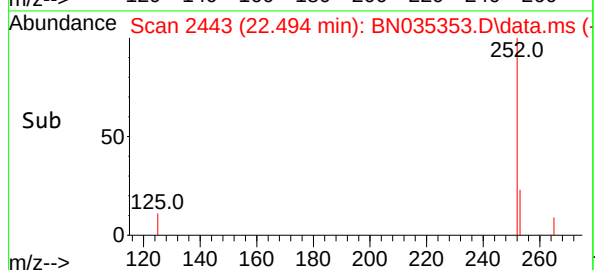
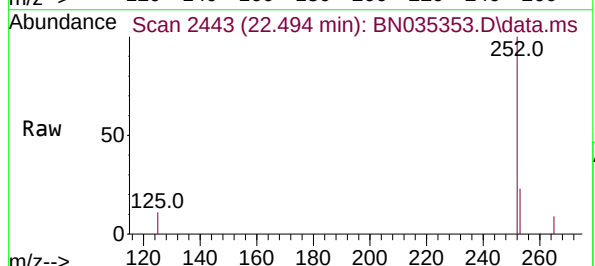
Tgt Ion:252 Resp: 30369

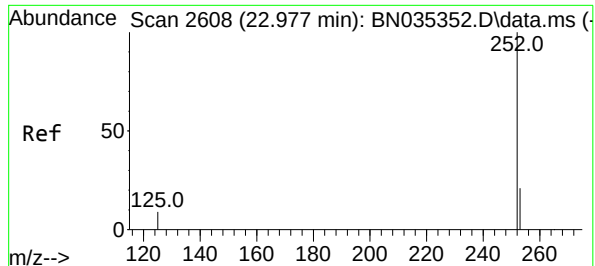
Ion Ratio Lower Upper

252 100

253 23.1 19.5 29.3

125 10.7 10.2 15.4





#39

Benzo(a)pyrene

Concen: 0.791 ng

RT: 22.977 min Scan# 2

Delta R.T. 0.000 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

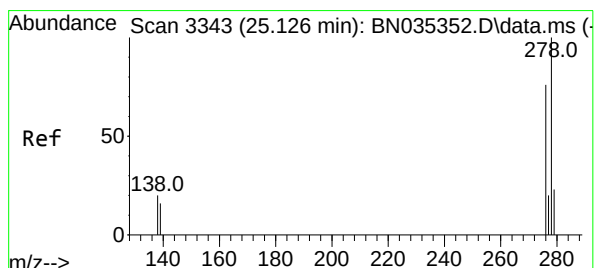
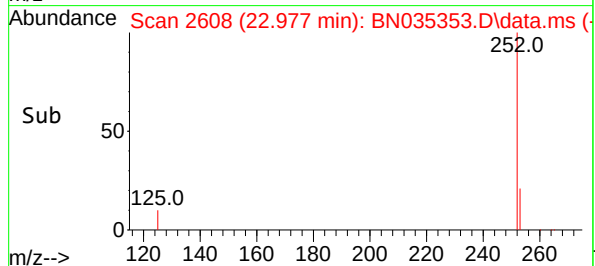
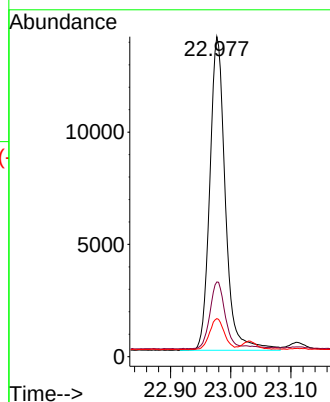
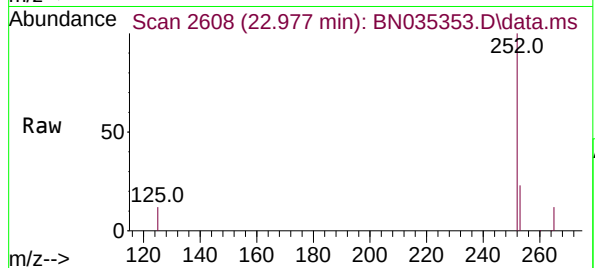
Tgt Ion:252 Resp: 25053

Ion Ratio Lower Upper

252 100

253 23.3 20.2 30.4

125 11.9 10.9 16.3



#40

Dibenzo(a,h)anthracene

Concen: 0.775 ng

RT: 25.123 min Scan# 3342

Delta R.T. -0.003 min

Lab File: BN035353.D

Acq: 27 Nov 2024 17:21

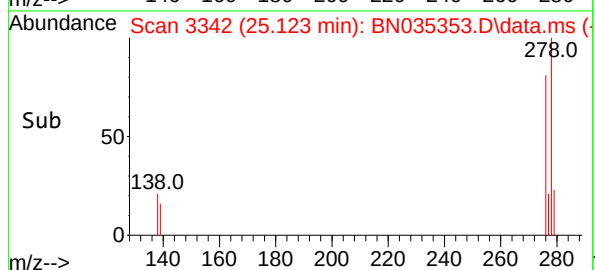
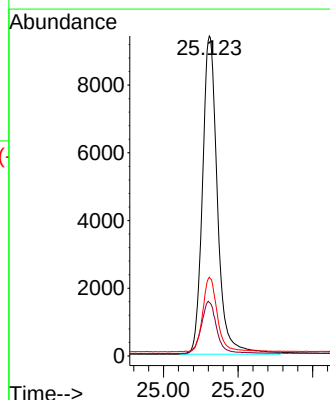
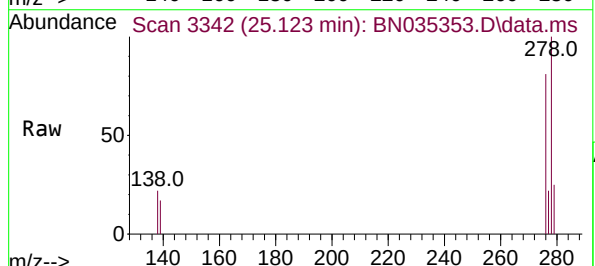
Tgt Ion:278 Resp: 26222

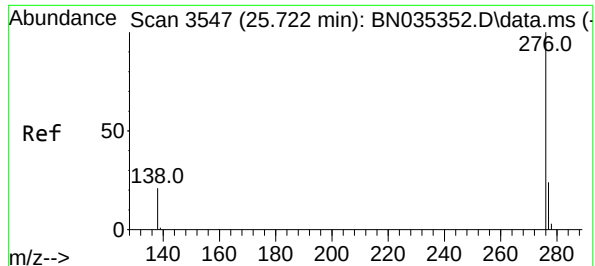
Ion Ratio Lower Upper

278 100

139 16.7 14.2 21.4

279 24.6 20.5 30.7





#41

Benzo(g,h,i)perylene

Concen: 0.755 ng

RT: 25.722 min Scan# 3

Delta R.T. 0.000 min

Lab File: BN035353.D

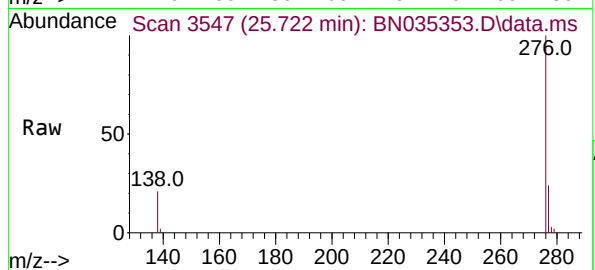
Acq: 27 Nov 2024 17:21

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



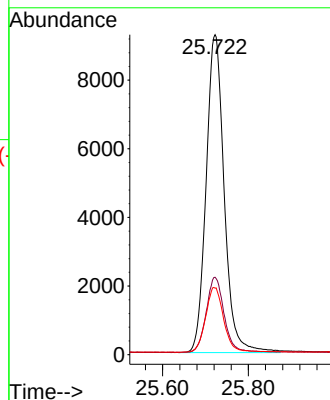
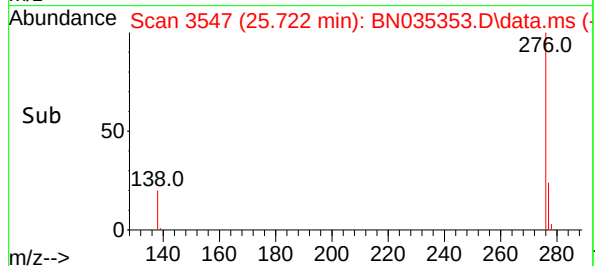
Tgt Ion:276 Resp: 27143

Ion Ratio Lower Upper

276 100

277 24.2 19.9 29.9

138 20.8 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035354.D
 Acq On : 27 Nov 2024 17:57
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Nov 27 22:53:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 22:48:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

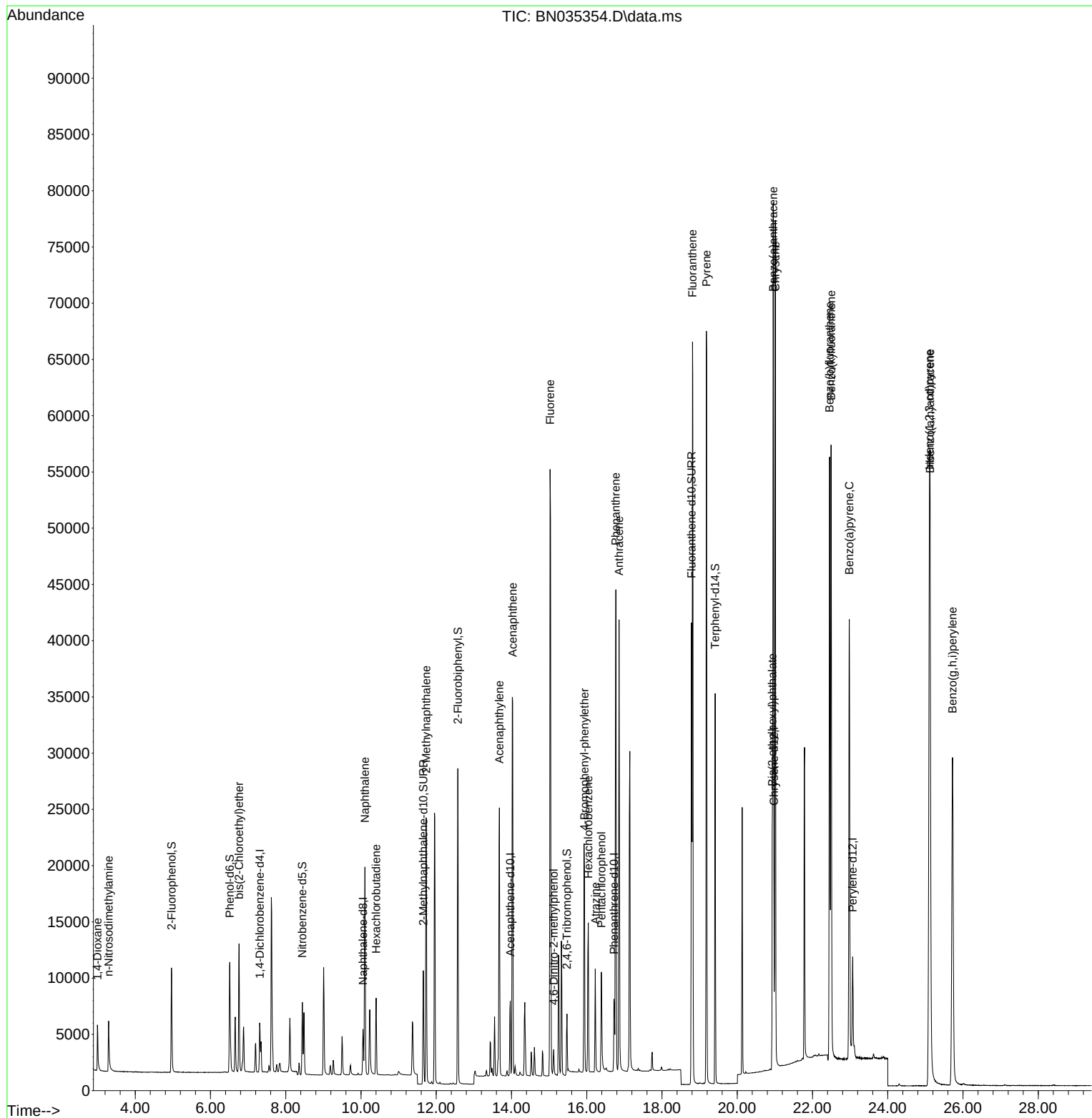
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2053	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5309	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	3942	0.400	ng	0.00
19) Phenanthrene-d10	16.723	188	9517	0.400	ng	#-0.01
29) Chrysene-d12	20.974	240	9905	0.400	ng	0.00
35) Perylene-d12	23.067	264	10469	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	8194	1.572	ng	0.00
5) Phenol-d6	6.513	99	10139	1.552	ng	0.00
8) Nitrobenzene-d5	8.440	82	5450	1.179	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	13988	1.478	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	4615	1.623	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	24687	1.542	ng	0.00
27) Fluoranthene-d10	18.785	212	44338	1.521	ng	0.00
31) Terphenyl-d14	19.412	244	32174	1.548	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.996	88	3220	1.727	ng	99
3) n-Nitrosodimethylamine	3.292	42	2729	1.570	ng	# 97
6) bis(2-Chloroethyl)ether	6.759	93	8629	1.759	ng	100
9) Naphthalene	10.105	128	23280	1.680	ng	98
10) Hexachlorobutadiene	10.404	225	5409	1.331	ng	# 100
12) 2-Methylnaphthalene	11.732	142	16881	1.651	ng	98
16) Acenaphthylene	13.679	152	27389	1.626	ng	99
17) Acenaphthene	14.032	154	18061	1.636	ng	99
18) Fluorene	15.026	166	26044	1.604	ng	99
20) 4,6-Dinitro-2-methylph...	15.122	198	1947	0.983	ng	# 69
21) 4-Bromophenyl-phenylether	15.941	248	9493	1.566	ng	96
22) Hexachlorobenzene	16.041	284	10969	1.743	ng	100
23) Atrazine	16.227	200	6644	1.221	ng	96
24) Pentachlorophenol	16.388	266	4618	1.571	ng	# 85
25) Phenanthrene	16.773	178	43698	1.745	ng	100
26) Anthracene	16.860	178	39964	1.737	ng	99
28) Fluoranthene	18.813	202	58605	1.702	ng	100
30) Pyrene	19.180	202	60164	1.824	ng	100
32) Benzo(a)anthracene	20.956	228	57498	1.667	ng	100
33) Chrysene	21.010	228	58919	1.725	ng	99
34) Bis(2-ethylhexyl)phtha...	20.929	149	20598	1.138	ng	100
36) Indeno(1,2,3-cd)pyrene	25.105	276	69517	1.665	ng	99
37) Benzo(b)fluoranthene	22.454	252	76506	2.172	ng	95
38) Benzo(k)fluoranthene	22.494	252	63925	1.814	ng	# 95
39) Benzo(a)pyrene	22.977	252	52595	1.697	ng	# 94
40) Dibenzo(a,h)anthracene	25.126	278	55068	1.664	ng	96
41) Benzo(g,h,i)perylene	25.719	276	56947	1.618	ng	97

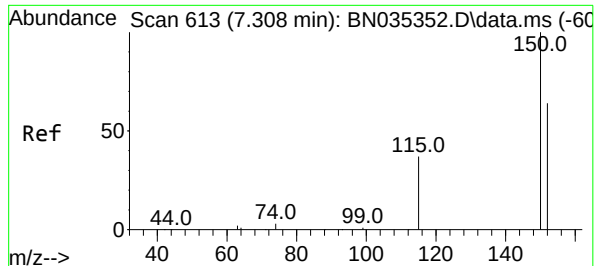
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN035354.D
Acq On : 27 Nov 2024 17:57
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

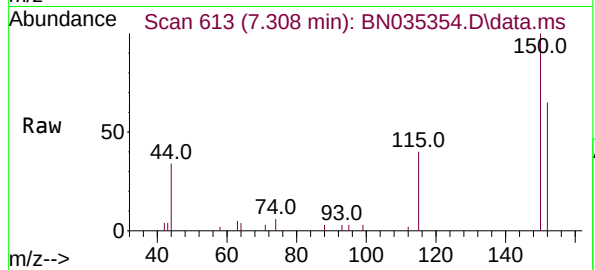
Quant Time: Nov 27 22:53:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration





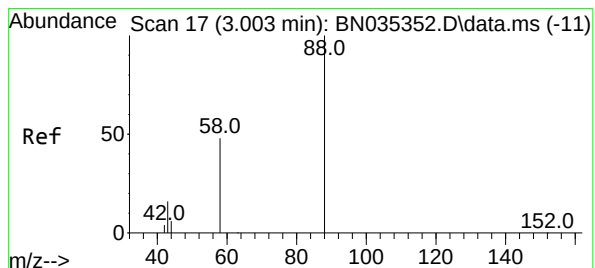
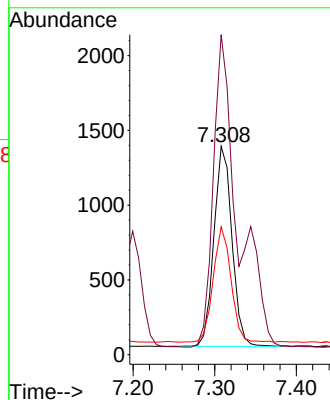
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6



Tgt Ion:152 Resp: 2053

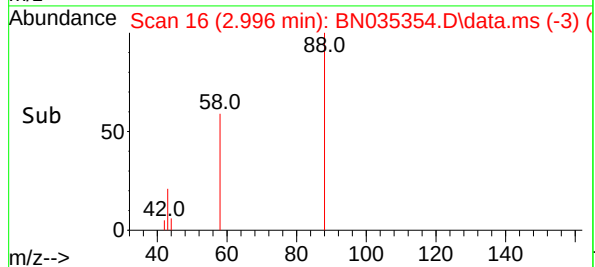
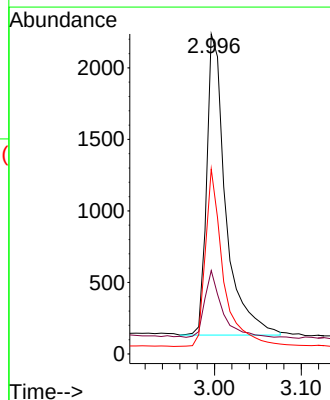
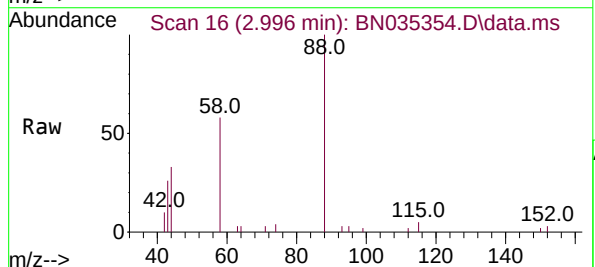
Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.0	186.0
115	61.4	49.6	74.4

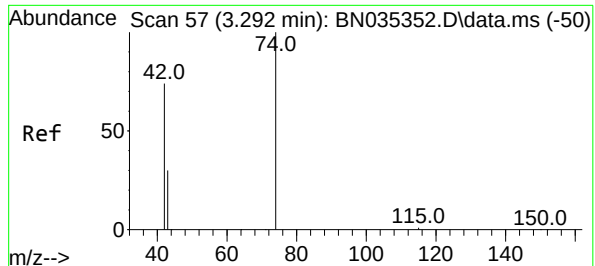


#2
1,4-Dioxane
Concen: 1.727 ng
RT: 2.996 min Scan# 16
Delta R.T. -0.007 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion: 88 Resp: 3220

Ion	Ratio	Lower	Upper
88	100		
43	20.3	17.2	25.8
58	55.1	44.5	66.7

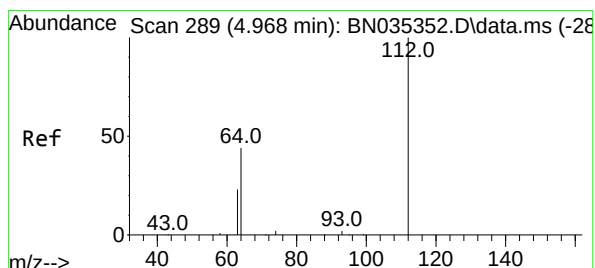
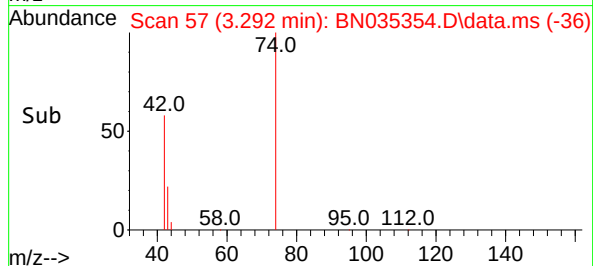
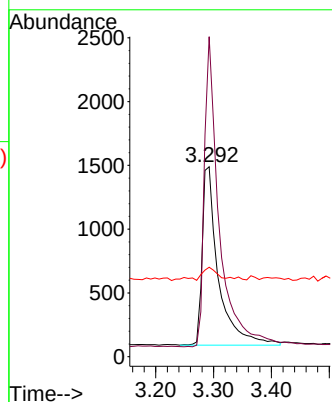
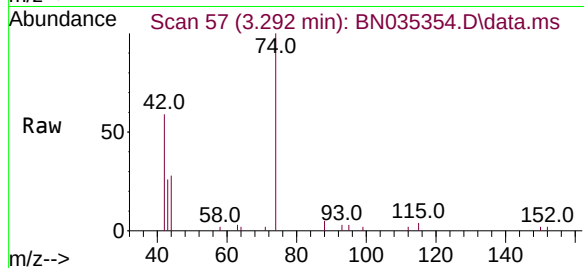




#3
n-Nitrosodimethylamine
Concen: 1.570 ng
RT: 3.292 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

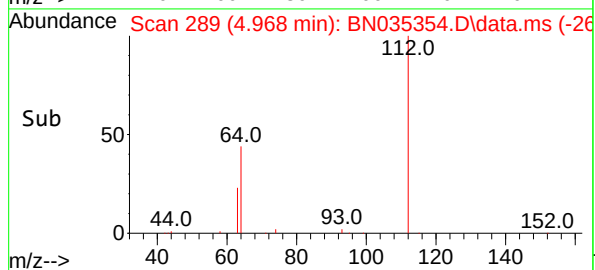
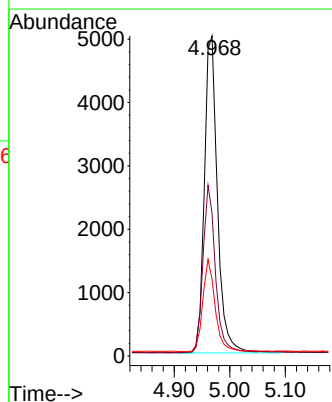
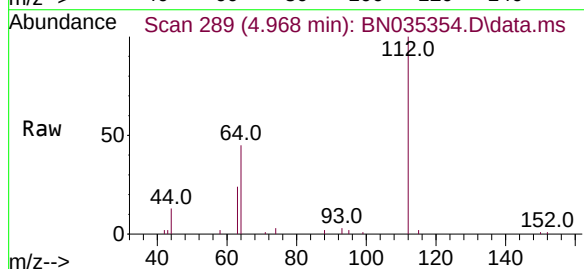
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

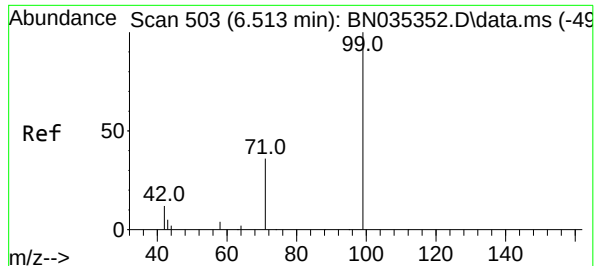
Tgt Ion: 42 Resp: 2729
Ion Ratio Lower Upper
42 100
74 160.4 124.9 187.3
44 6.2 2.2 3.4#



#4
2-Fluorophenol
Concen: 1.572 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion: 112 Resp: 8194
Ion Ratio Lower Upper
112 100
64 50.7 39.8 59.8
63 27.5 21.0 31.6

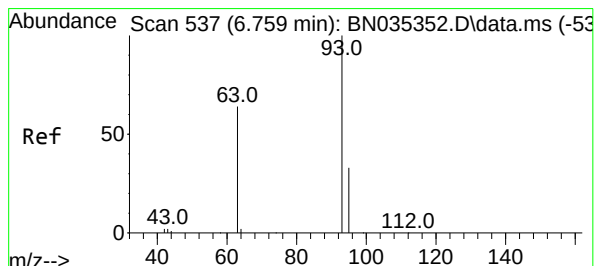
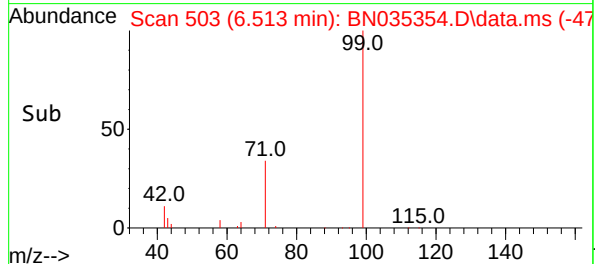
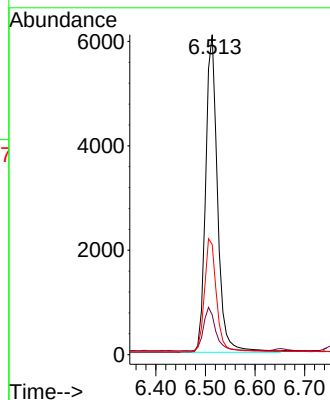
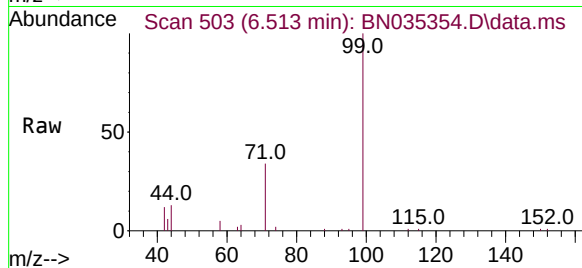




#5
Phenol-d6
Concen: 1.552 ng
RT: 6.513 min Scan# 503
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

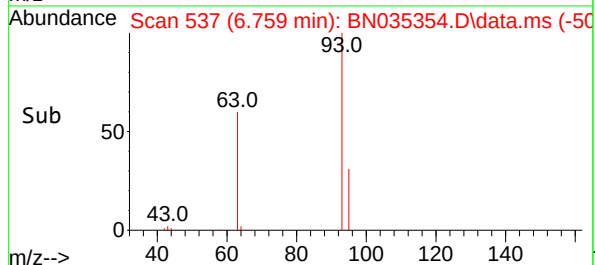
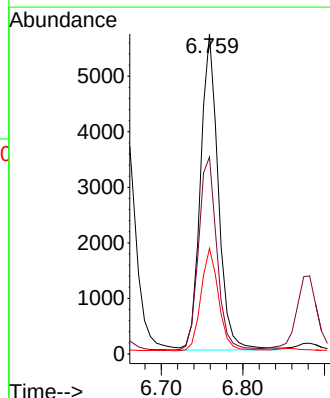
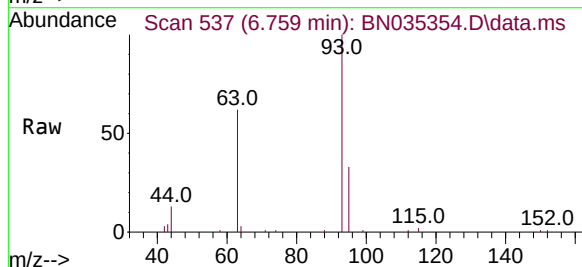
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

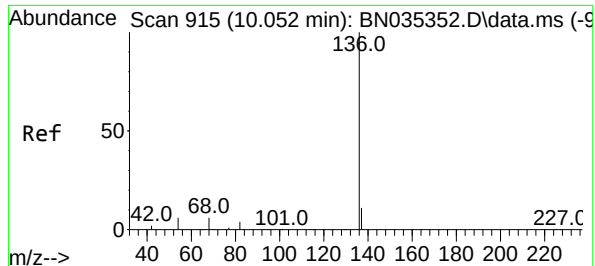
Tgt Ion	Ratio	Lower	Upper
99	100		
42	14.5	11.4	17.2
71	36.3	29.3	43.9



#6
bis(2-Chloroethyl)ether
Concen: 1.759 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion	Ratio	Lower	Upper
93	100		
63	62.6	50.4	75.6
95	32.2	25.7	38.5

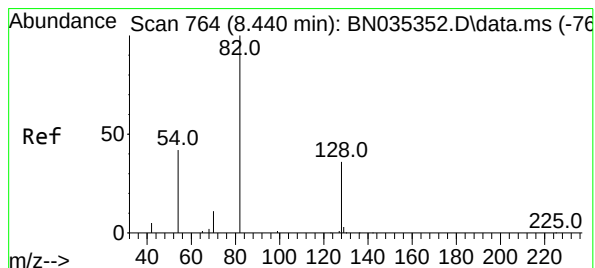
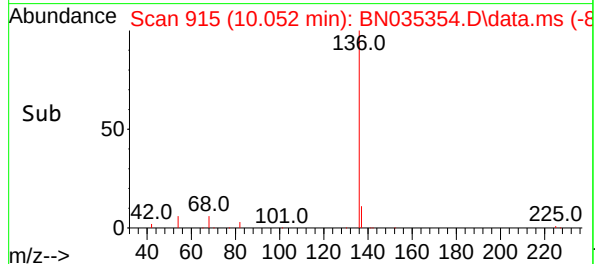
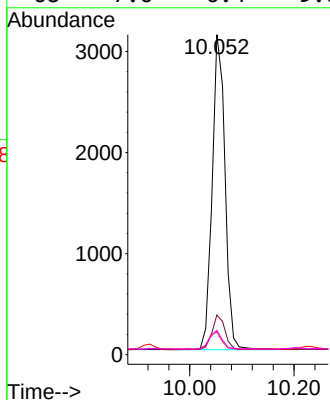
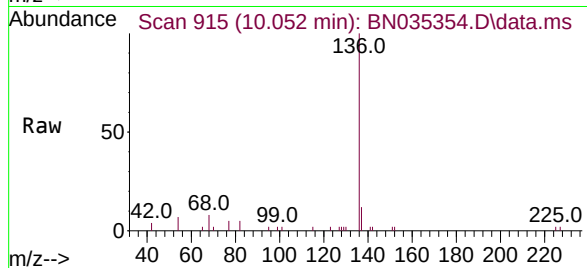




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

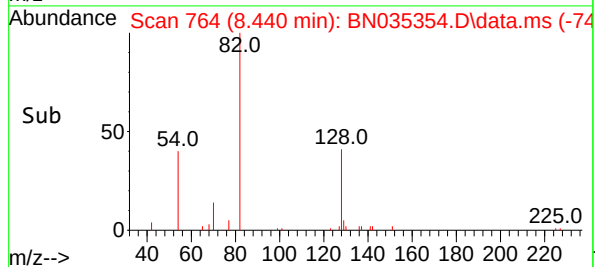
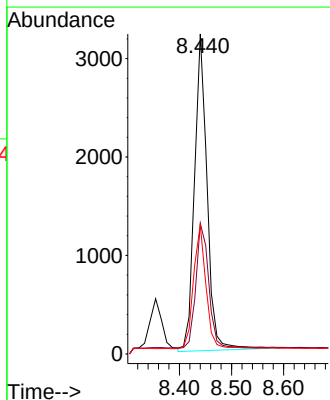
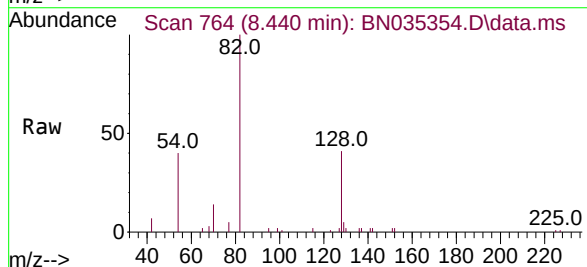
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

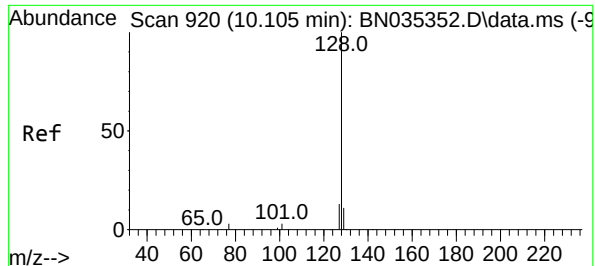
Tgt Ion:	136	Resp:	5309
Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.2	15.2
54	7.2	6.1	9.1
68	7.6	6.4	9.6



#8
Nitrobenzene-d5
Concen: 1.179 ng
RT: 8.440 min Scan# 764
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:	82	Resp:	5450
Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.4	50.0
54	40.3	36.7	55.1

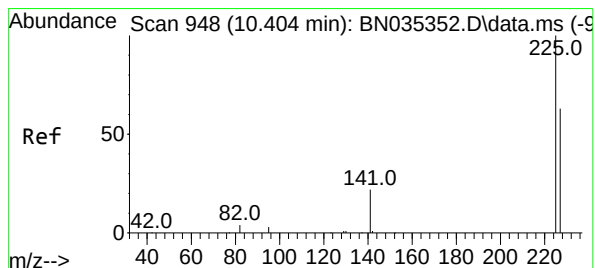
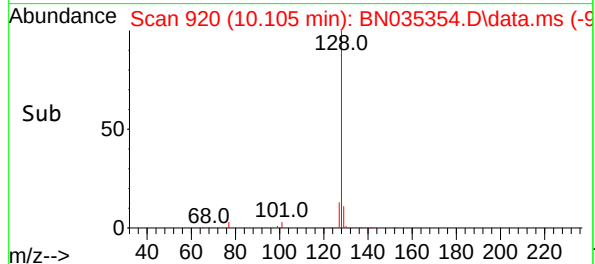
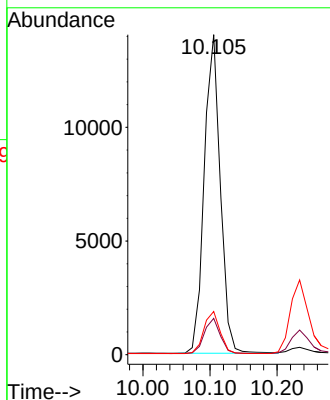
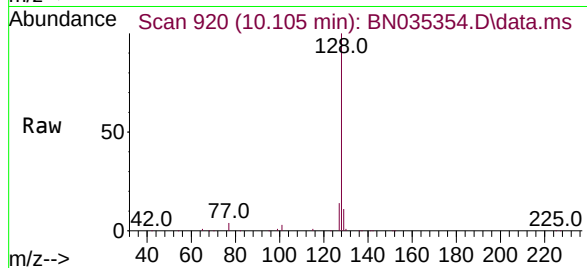




#9
Naphthalene
Concen: 1.680 ng
RT: 10.105 min Scan# 912
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

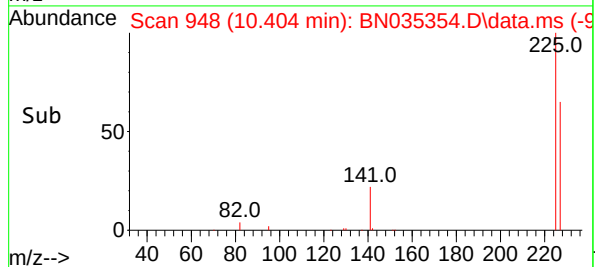
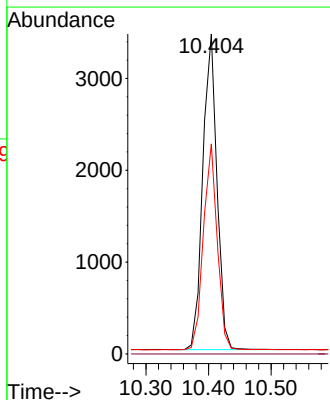
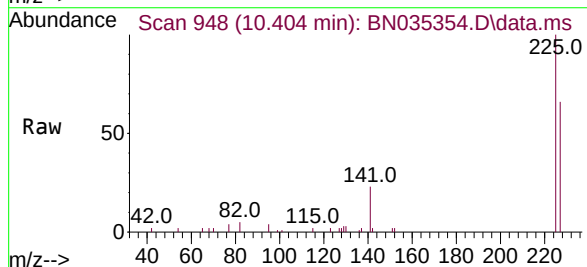
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

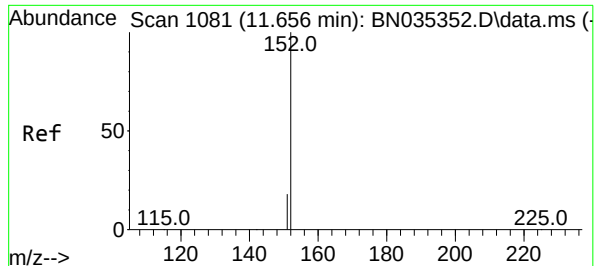
Tgt Ion:128 Resp: 23280
Ion Ratio Lower Upper
128 100
129 11.4 9.8 14.6
127 13.5 11.4 17.2



#10
Hexachlorobutadiene
Concen: 1.331 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:225 Resp: 5409
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.9 51.3 76.9

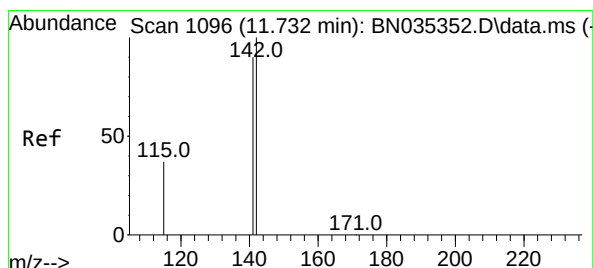
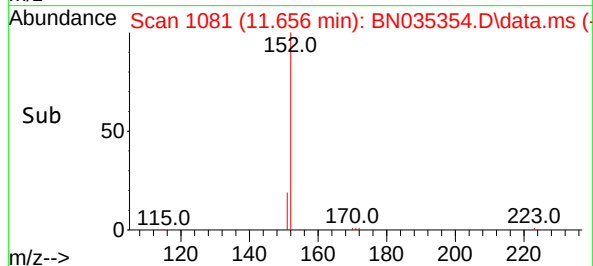
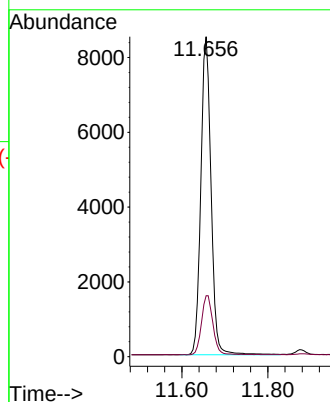
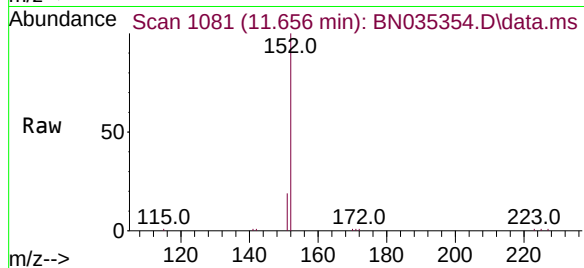




#11
2-Methylnaphthalene-d10
Concen: 1.478 ng
RT: 11.656 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

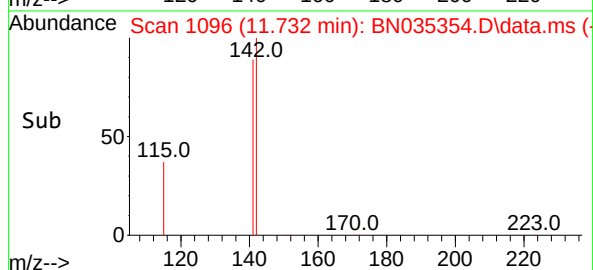
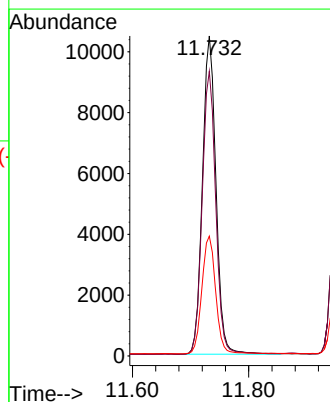
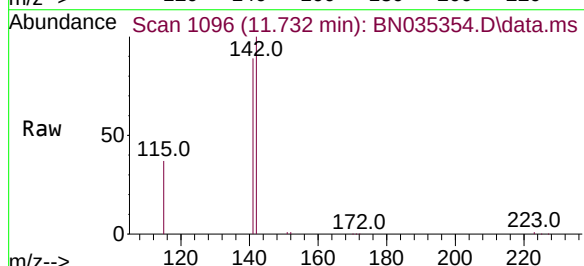
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

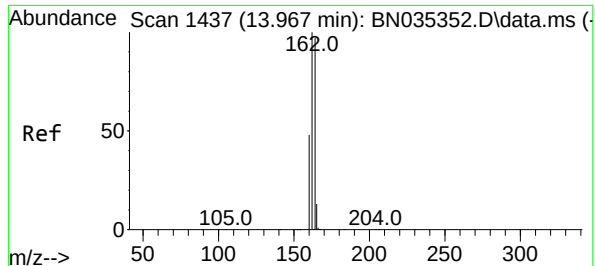
Tgt Ion:152 Resp: 13988
Ion Ratio Lower Upper
152 100
151 20.5 16.6 25.0



#12
2-Methylnaphthalene
Concen: 1.651 ng
RT: 11.732 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:142 Resp: 16881
Ion Ratio Lower Upper
142 100
141 89.0 72.2 108.4
115 37.5 31.4 47.0

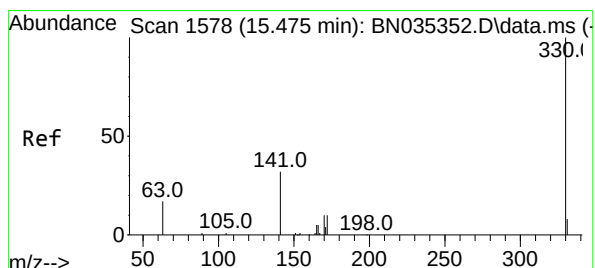
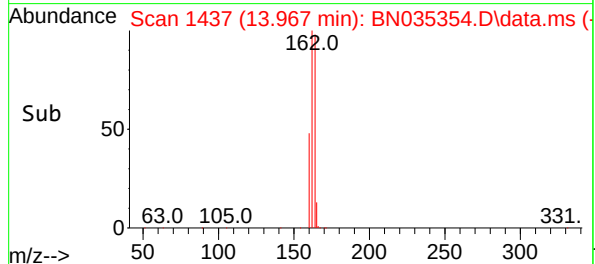
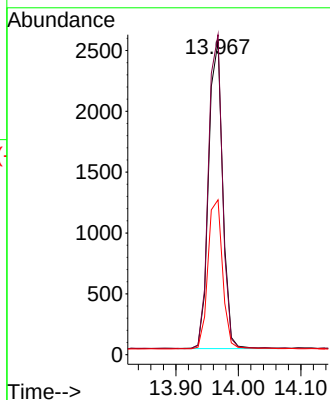
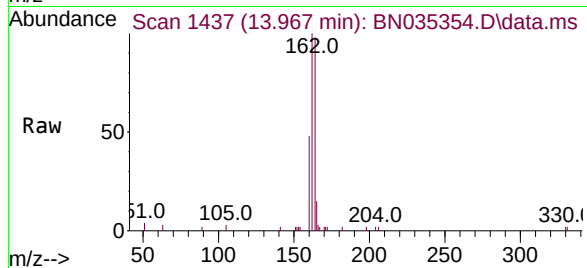




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

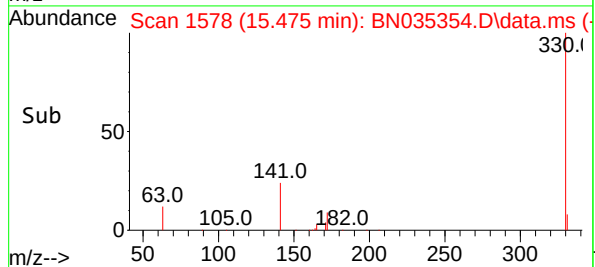
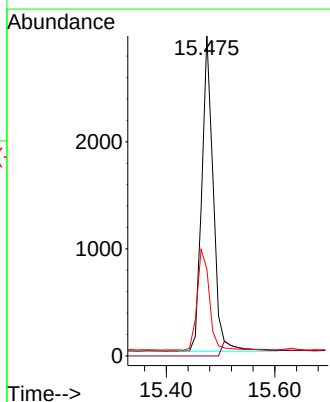
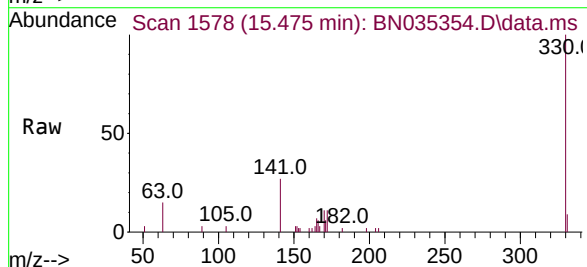
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BNA_N
ClientSampleId :
SSTDICC1.6

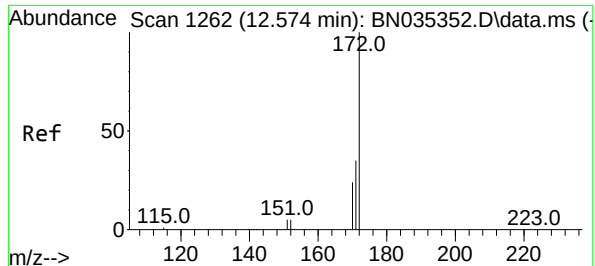
Tgt Ion:164 Resp: 3942
Ion Ratio Lower Upper
164 100
162 102.2 82.2 123.2
160 49.5 40.1 60.1



#14
2,4,6-Tribromophenol
Concen: 1.623 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:330 Resp: 4615
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.6 26.6 40.0

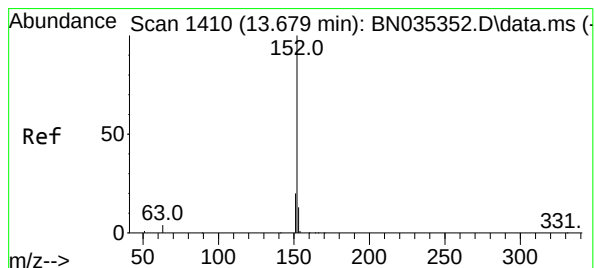
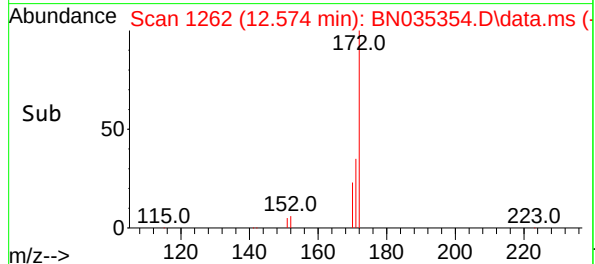
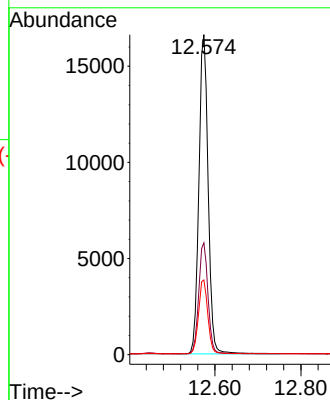
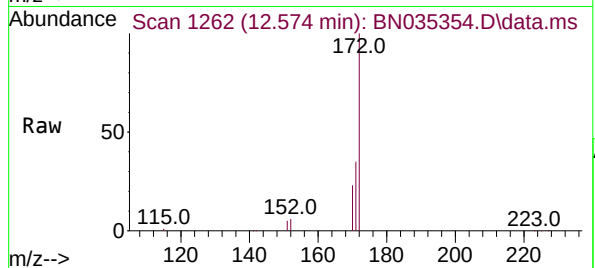




#15
2-Fluorobiphenyl
Concen: 1.542 ng
RT: 12.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

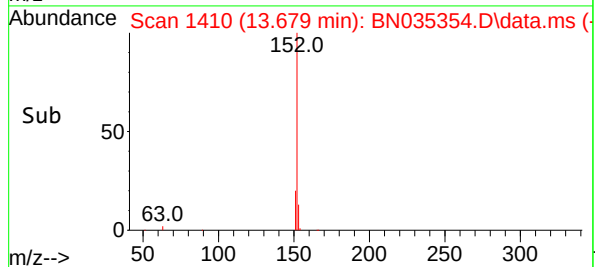
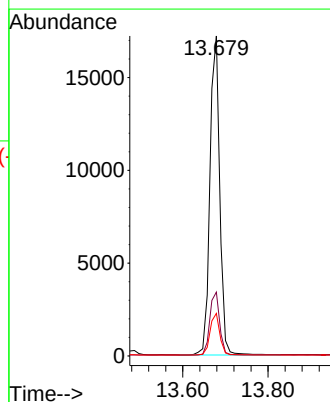
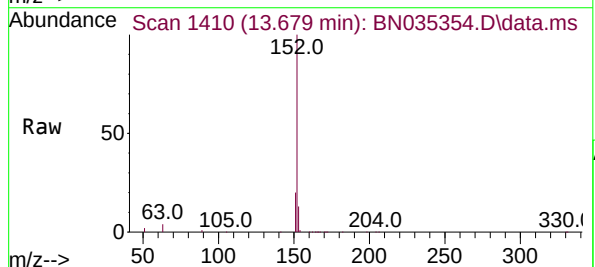
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

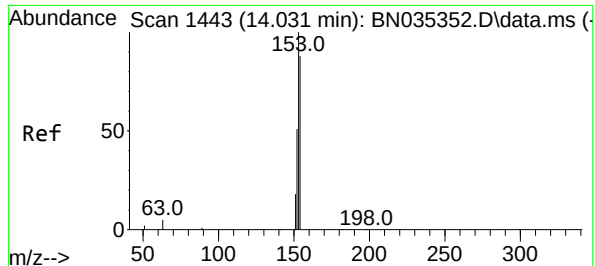
Tgt Ion:172 Resp: 24687
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.4
170 23.4 19.8 29.8



#16
Acenaphthylene
Concen: 1.626 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:152 Resp: 27389
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.0 10.4 15.6

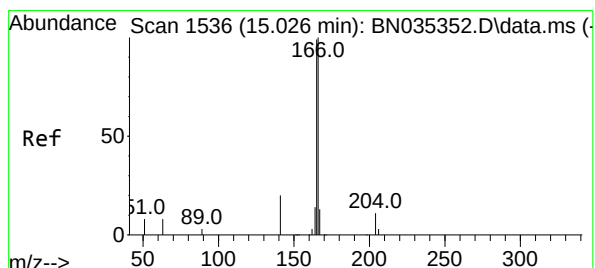
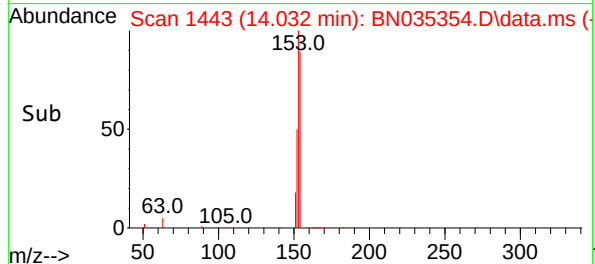
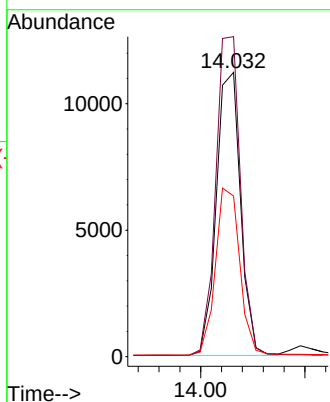
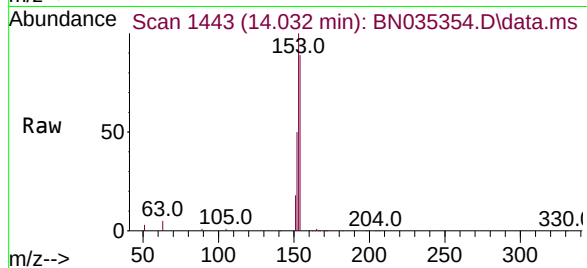




#17
Acenaphthene
Concen: 1.636 ng
RT: 14.032 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

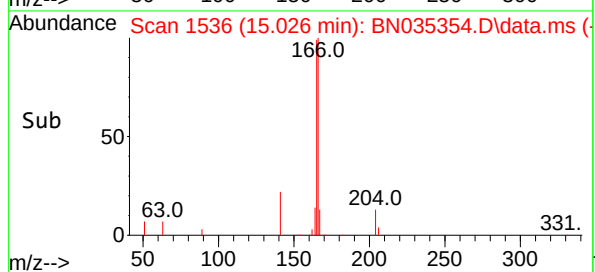
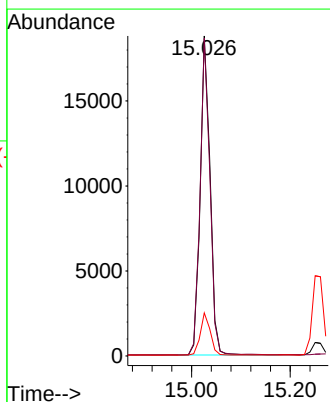
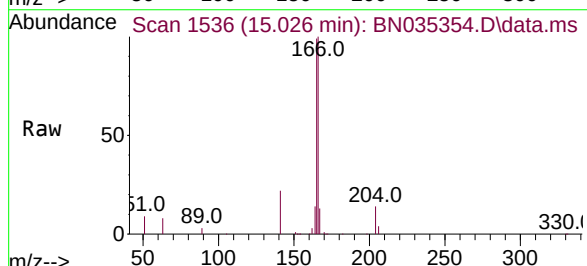
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

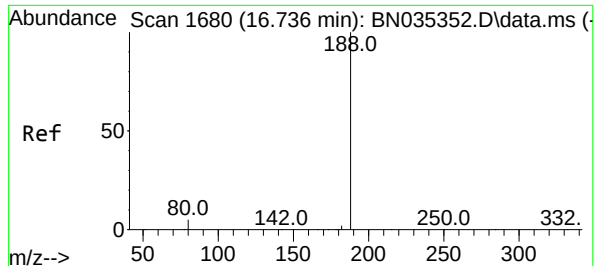
Tgt Ion:154 Resp: 18061
Ion Ratio Lower Upper
154 100
153 115.1 92.6 139.0
152 59.9 49.0 73.6



#18
Fluorene
Concen: 1.604 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:166 Resp: 26044
Ion Ratio Lower Upper
166 100
165 98.2 79.7 119.5
167 13.3 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.723 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN035354.D

Acq: 27 Nov 2024 17:57

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

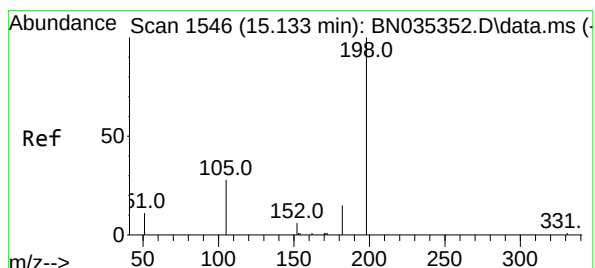
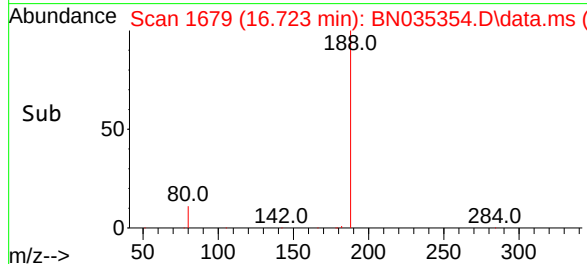
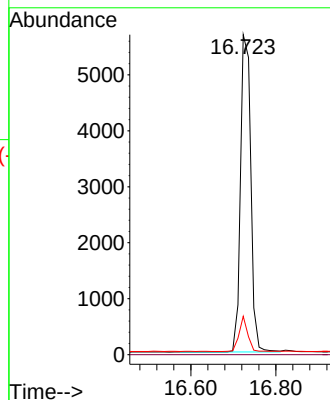
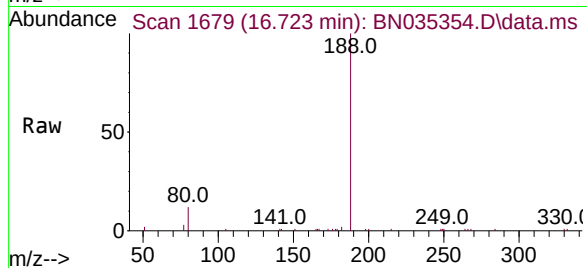
Tgt Ion:188 Resp: 9517

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.0 4.6 6.8#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.983 ng

RT: 15.122 min Scan# 1545

Delta R.T. -0.011 min

Lab File: BN035354.D

Acq: 27 Nov 2024 17:57

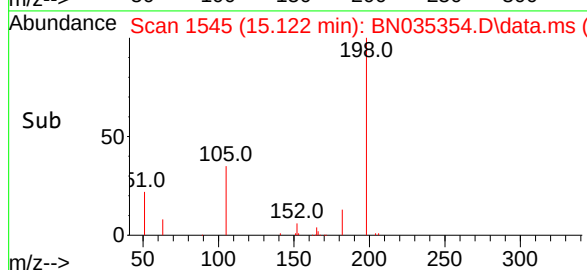
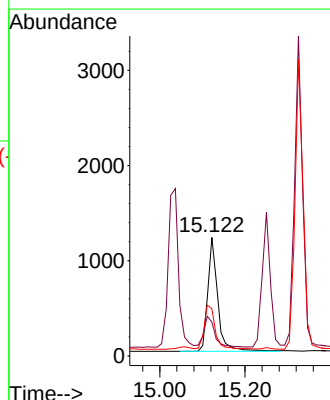
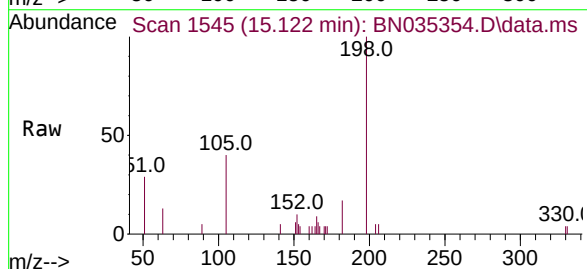
Tgt Ion:198 Resp: 1947

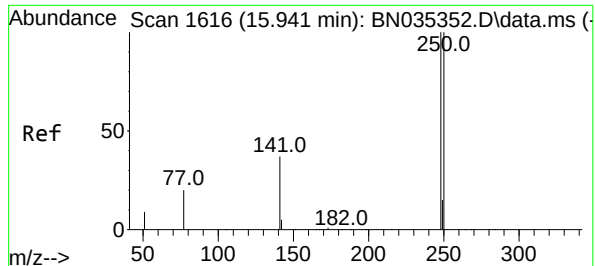
Ion Ratio Lower Upper

198 100

51 28.6 46.5 69.7#

105 39.8 45.3 67.9#

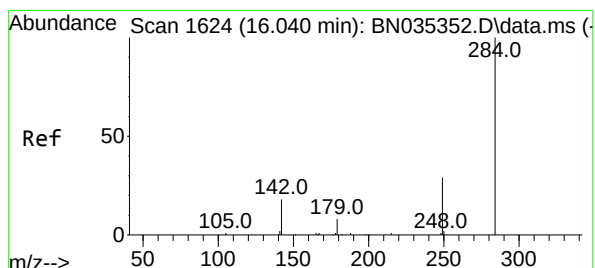
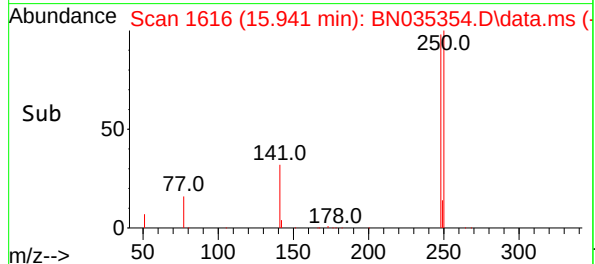
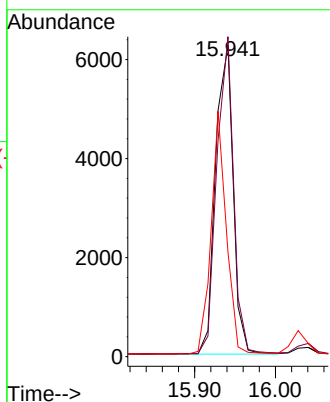
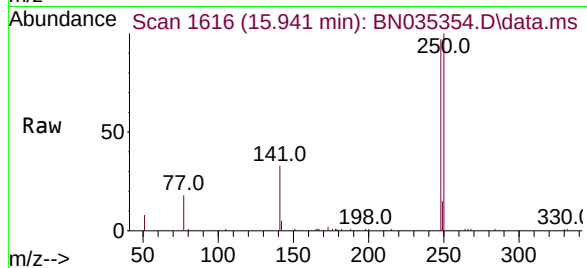




#21
4-Bromophenyl-phenylether
Concen: 1.566 ng
RT: 15.941 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

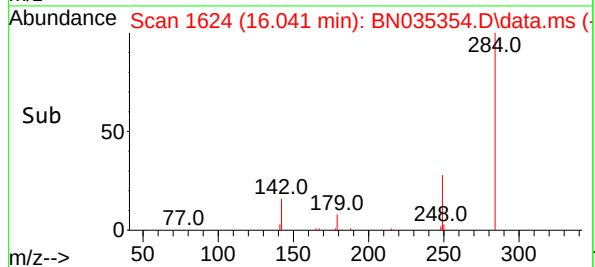
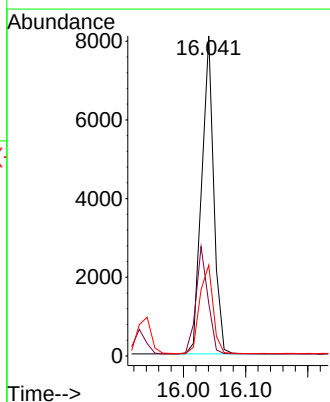
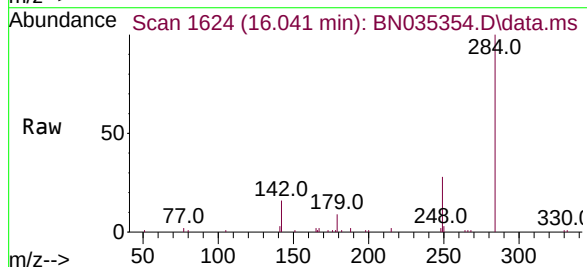
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

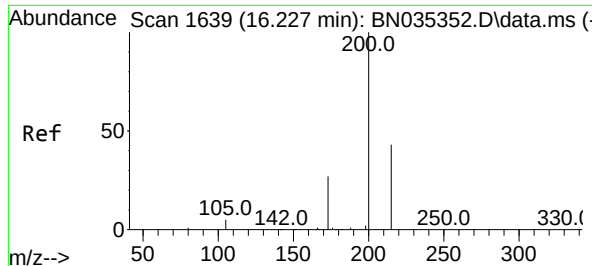
Tgt Ion	Ratio	Lower	Upper
248	100		
250	102.7	80.6	120.8
141	33.7	31.5	47.3



#22
Hexachlorobenzene
Concen: 1.743 ng
RT: 16.041 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.5	26.7	40.1
249	30.6	24.6	36.8

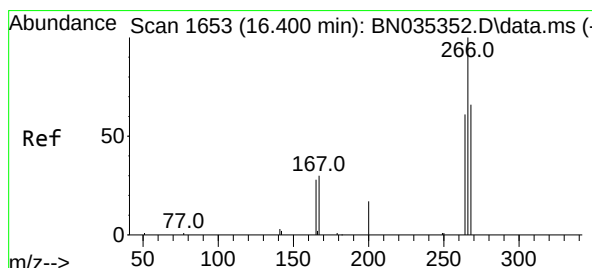
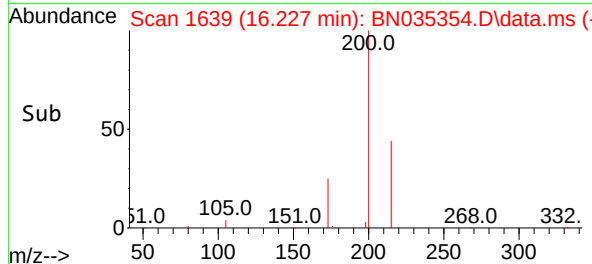
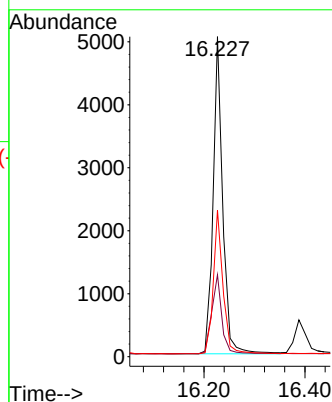
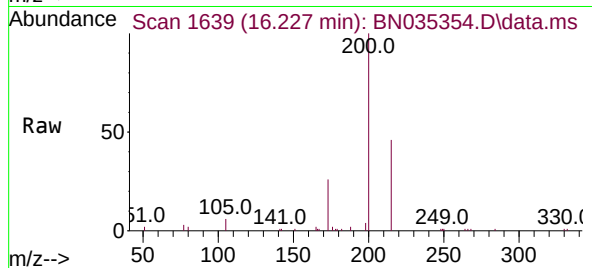




#23
Atrazine
Concen: 1.221 ng
RT: 16.227 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

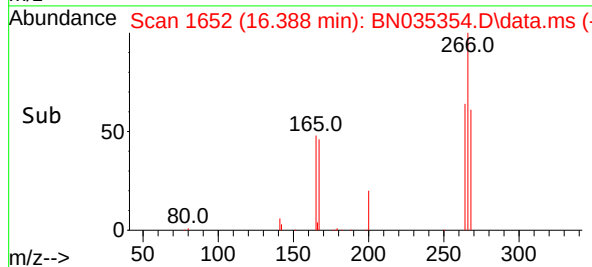
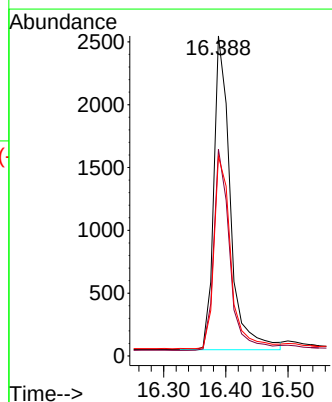
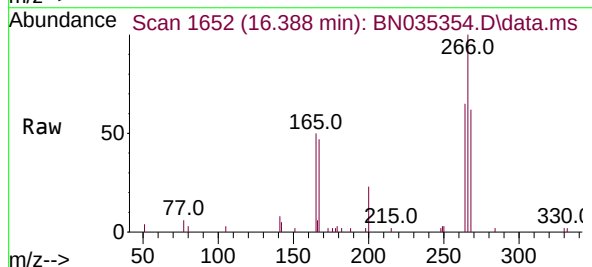
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

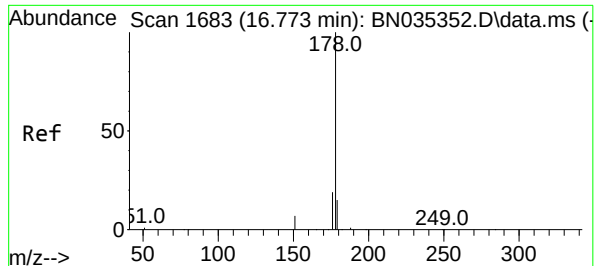
Tgt Ion	Ratio	Lower	Upper
200	100		
173	25.6	24.1	36.1
215	45.8	36.9	55.3



#24
Pentachlorophenol
Concen: 1.571 ng
RT: 16.388 min Scan# 1652
Delta R.T. -0.012 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion	Ratio	Lower	Upper
266	100		
264	64.8	42.3	63.5#
268	62.9	43.3	64.9

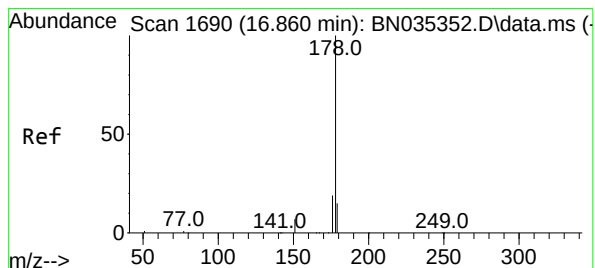
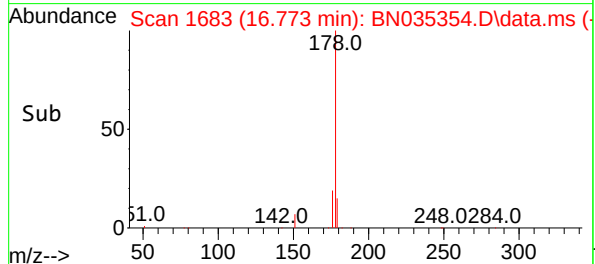
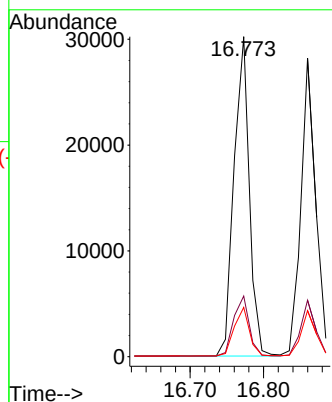
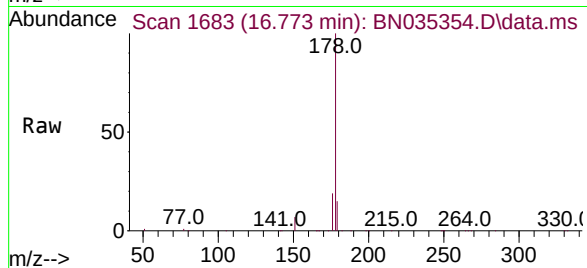




#25
Phenanthrene
Concen: 1.745 ng
RT: 16.773 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

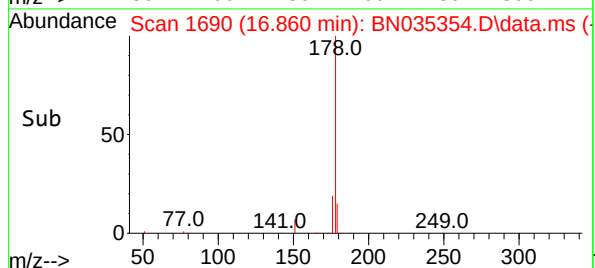
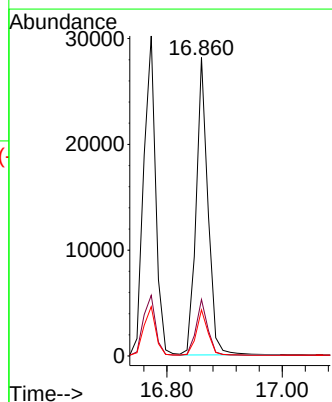
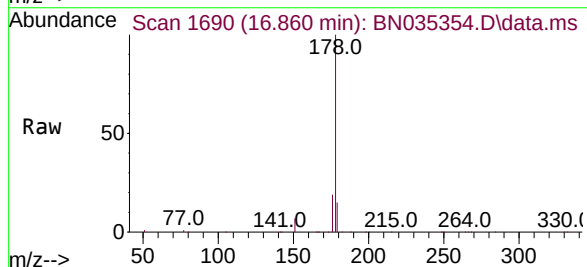
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

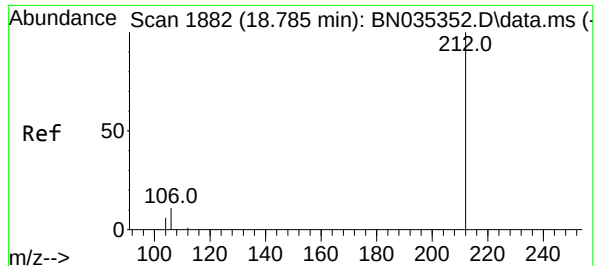
Tgt Ion:178 Resp: 43698
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.2 12.3 18.5



#26
Anthracene
Concen: 1.737 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion:178 Resp: 39964
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.3 12.6 18.8





#27

Fluoranthene-d10

Concen: 1.521 ng

RT: 18.785 min Scan# 1882

Delta R.T. 0.000 min

Lab File: BN035354.D

Acq: 27 Nov 2024 17:57

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

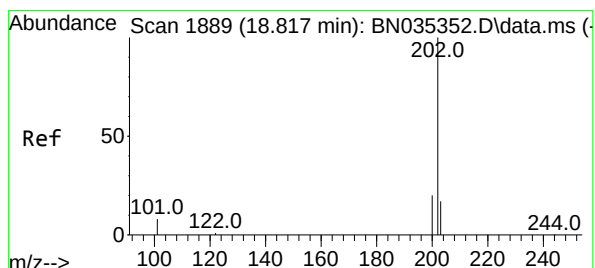
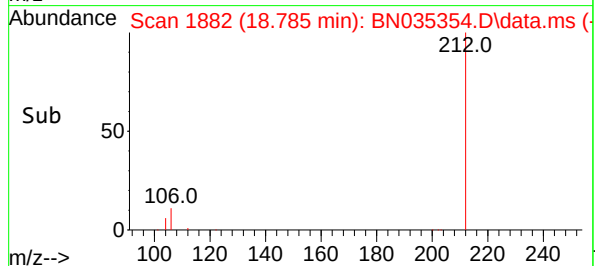
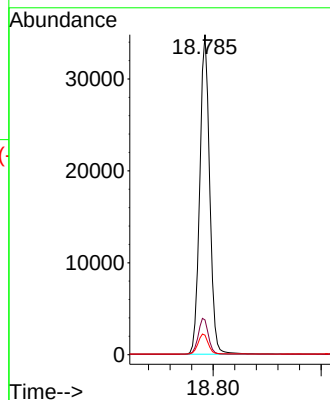
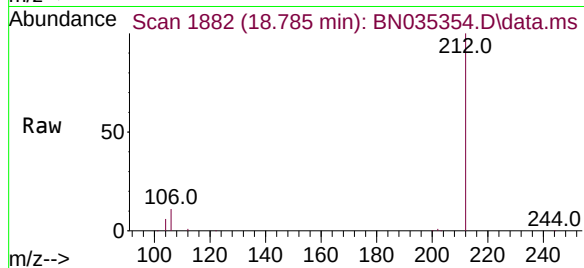
Tgt Ion:212 Resp: 44338

Ion Ratio Lower Upper

212 100

106 11.4 9.2 13.8

104 6.4 5.3 7.9



#28

Fluoranthene

Concen: 1.702 ng

RT: 18.813 min Scan# 1888

Delta R.T. -0.005 min

Lab File: BN035354.D

Acq: 27 Nov 2024 17:57

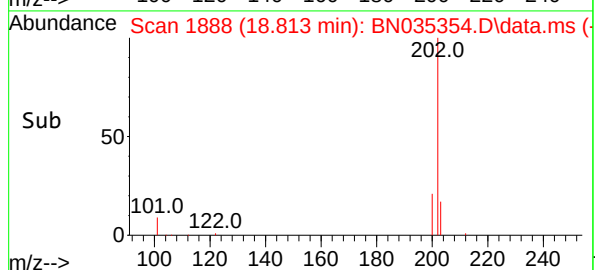
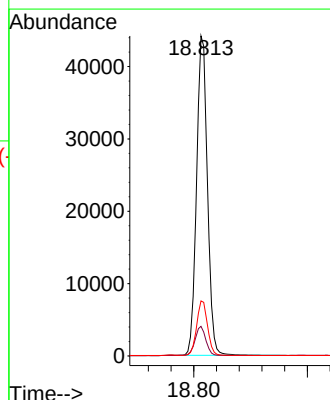
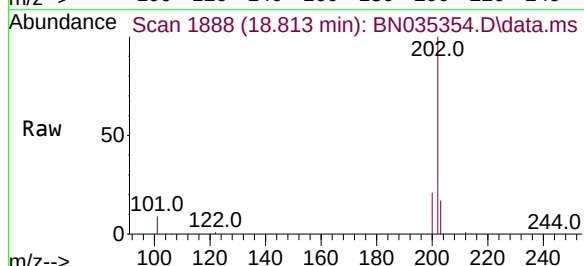
Tgt Ion:202 Resp: 58605

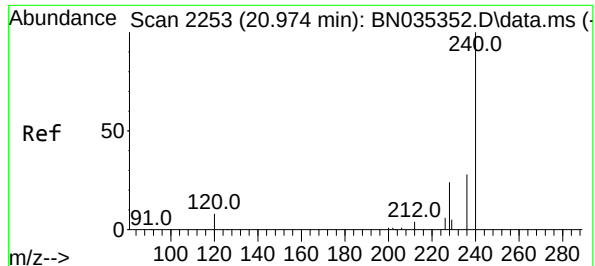
Ion Ratio Lower Upper

202 100

101 9.2 7.4 11.0

203 17.1 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.974 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035354.D

Acq: 27 Nov 2024 17:57

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

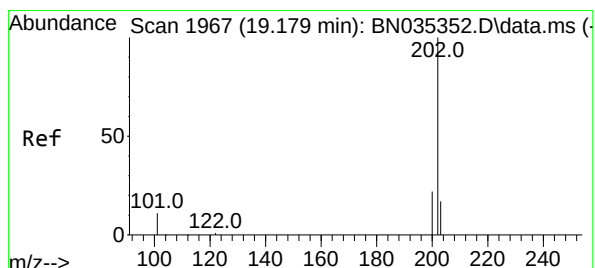
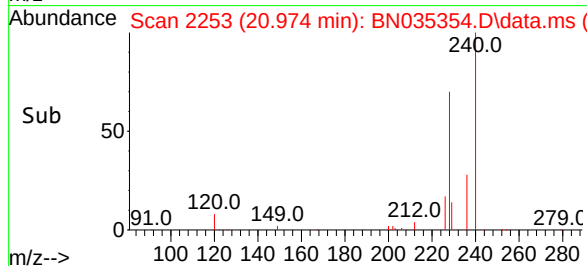
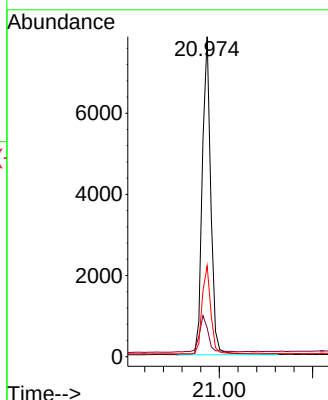
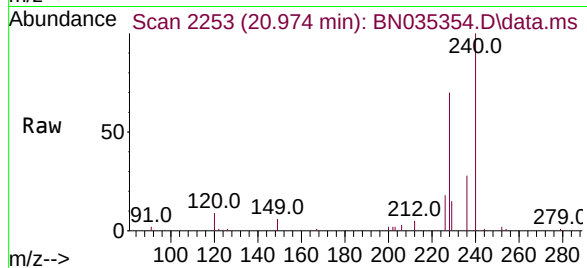
Tgt Ion:240 Resp: 9905

Ion Ratio Lower Upper

240 100

120 9.0 7.9 11.9

236 28.4 22.9 34.3



#30

Pyrene

Concen: 1.824 ng

RT: 19.180 min Scan# 1967

Delta R.T. 0.000 min

Lab File: BN035354.D

Acq: 27 Nov 2024 17:57

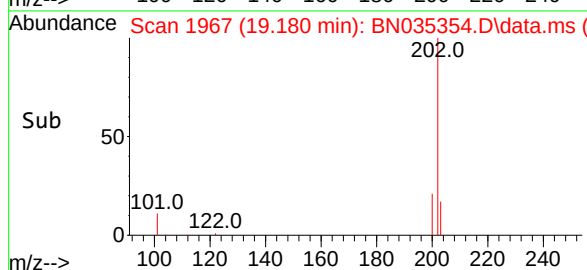
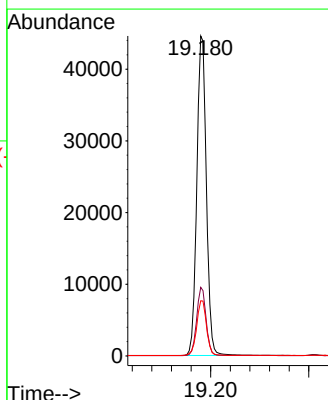
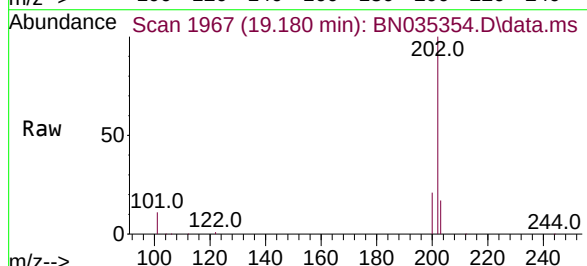
Tgt Ion:202 Resp: 60164

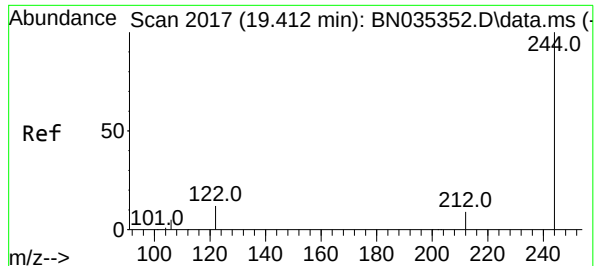
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 17.7 14.3 21.5

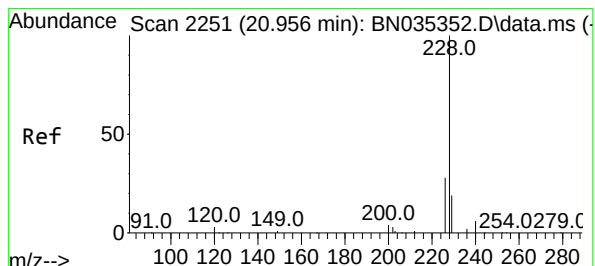
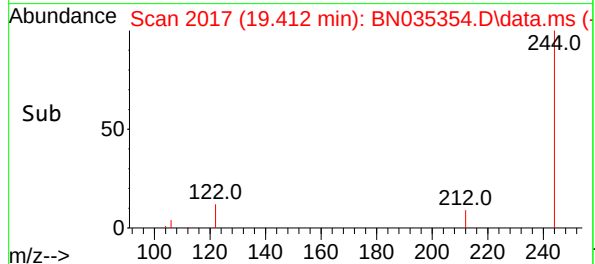
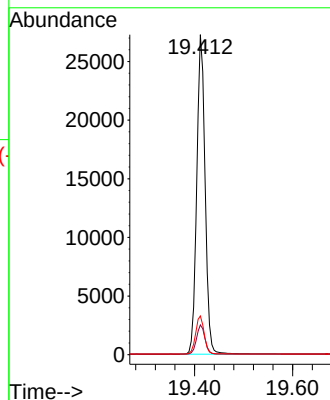
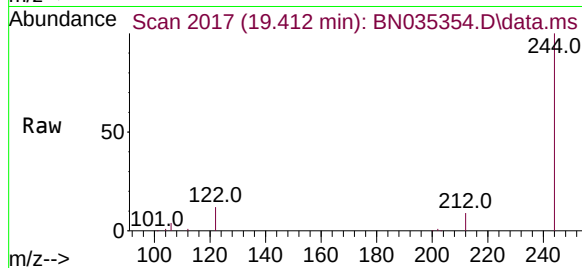




#31
Terphenyl-d14
Concen: 1.548 ng
RT: 19.412 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

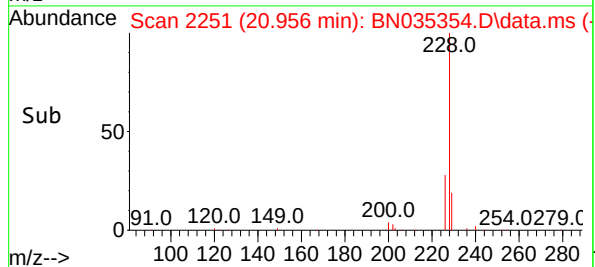
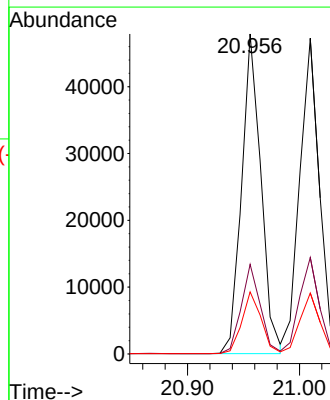
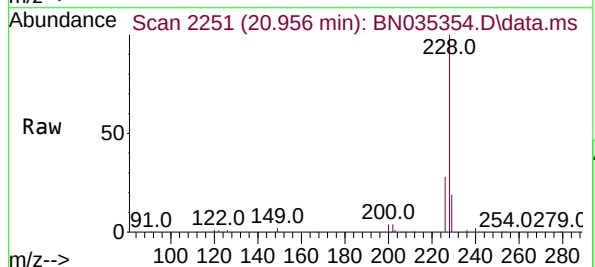
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

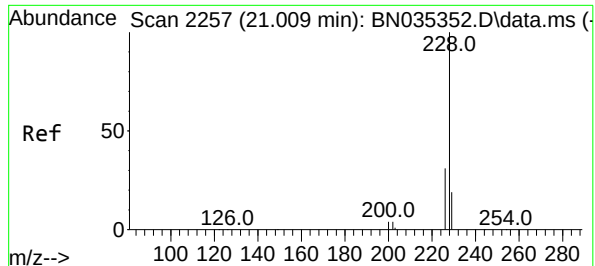
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	8.1	12.1
122	12.1	10.3	15.5



#32
Benzo(a)anthracene
Concen: 1.667 ng
RT: 20.956 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN035354.D
Acq: 27 Nov 2024 17:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.5	33.7
229	19.4	15.8	23.8





#33

Chrysene

Concen: 1.725 ng

RT: 21.010 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035354.D

Acq: 27 Nov 2024 17:57

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

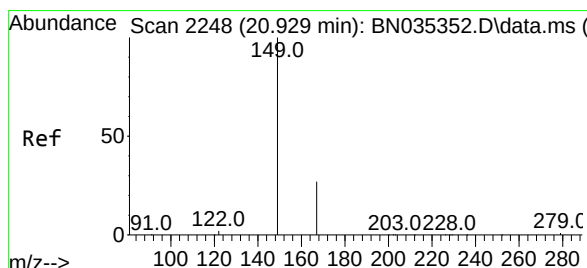
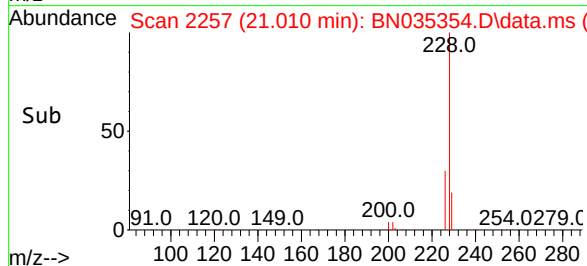
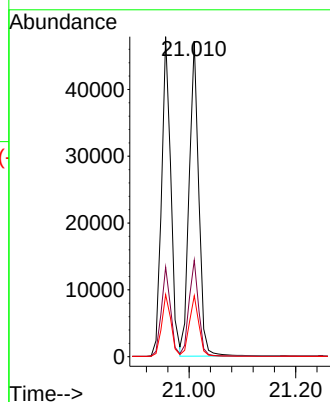
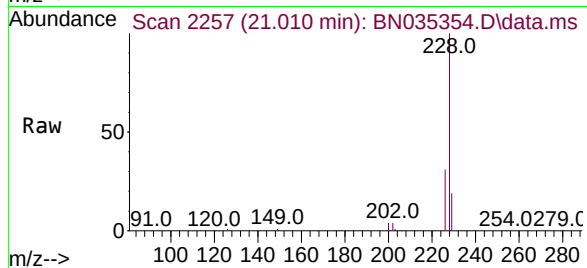
Tgt Ion:228 Resp: 58919

Ion Ratio Lower Upper

228 100

226 30.6 24.6 37.0

229 19.3 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.138 ng

RT: 20.929 min Scan# 2248

Delta R.T. 0.000 min

Lab File: BN035354.D

Acq: 27 Nov 2024 17:57

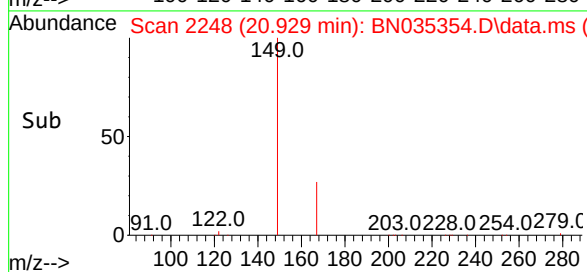
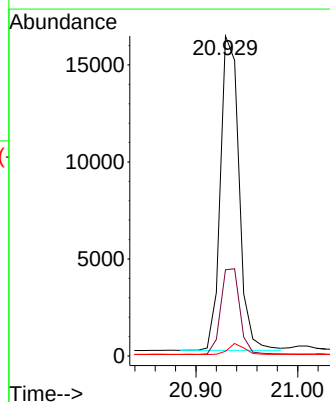
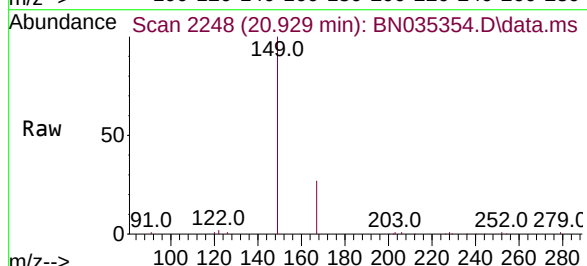
Tgt Ion:149 Resp: 20598

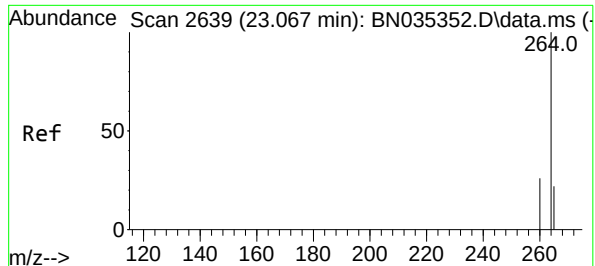
Ion Ratio Lower Upper

149 100

167 28.0 22.2 33.4

279 3.2 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.067 min Scan# 2

Delta R.T. 0.000 min

Lab File: BN035354.D

Acq: 27 Nov 2024 17:57

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

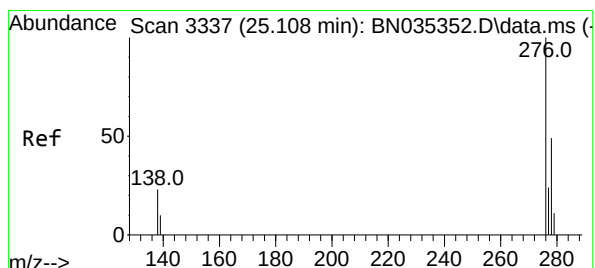
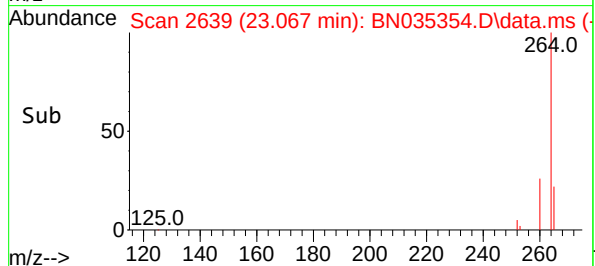
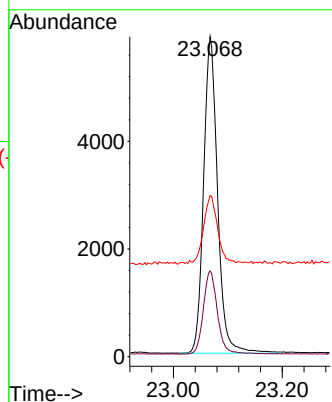
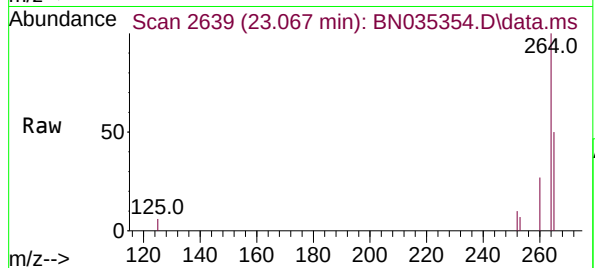
Tgt Ion:264 Resp: 10469

Ion Ratio Lower Upper

264 100

260 26.8 21.4 32.2

265 50.3 40.2 60.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.665 ng

RT: 25.105 min Scan# 3336

Delta R.T. -0.003 min

Lab File: BN035354.D

Acq: 27 Nov 2024 17:57

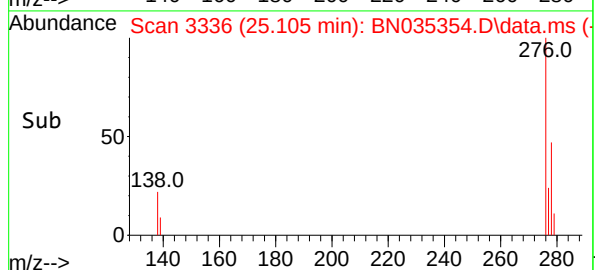
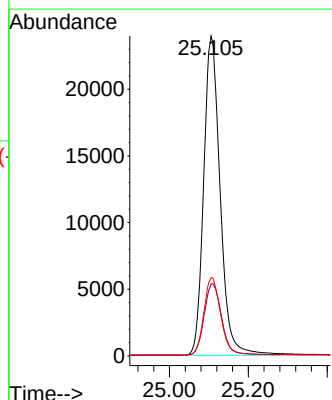
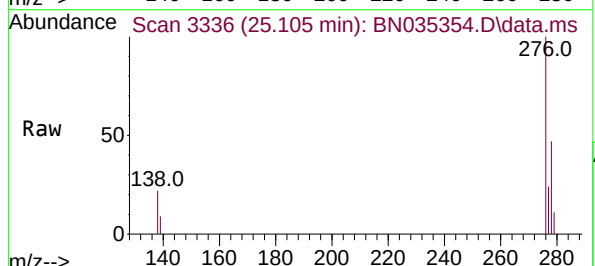
Tgt Ion:276 Resp: 69517

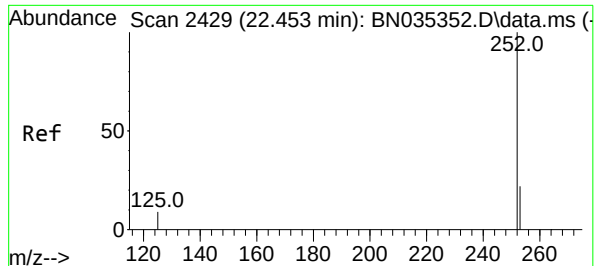
Ion Ratio Lower Upper

276 100

138 23.7 19.4 29.0

277 24.8 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 2.172 ng

RT: 22.454 min Scan# 2429

Delta R.T. 0.000 min

Lab File: BN035354.D

Acq: 27 Nov 2024 17:57

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

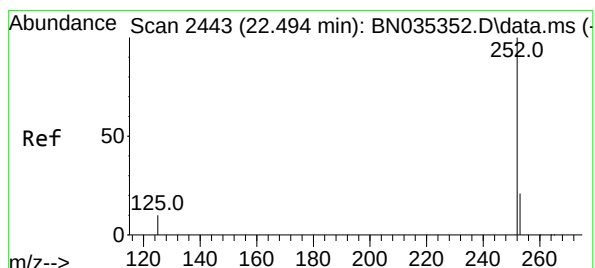
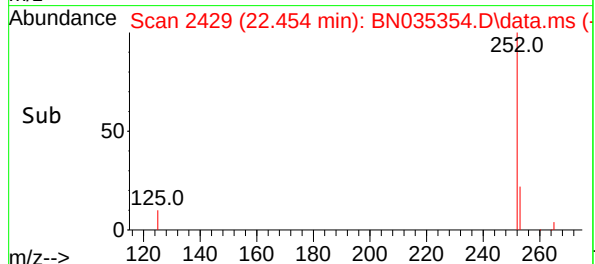
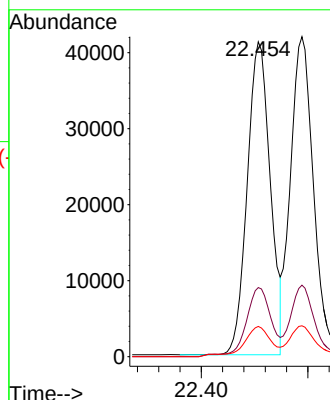
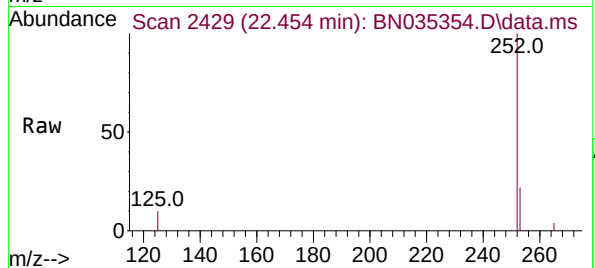
Tgt Ion:252 Resp: 76506

Ion Ratio Lower Upper

252 100

253 22.0 19.6 29.4

125 9.6 9.6 14.4



#38

Benzo(k)fluoranthene

Concen: 1.814 ng

RT: 22.494 min Scan# 2443

Delta R.T. 0.000 min

Lab File: BN035354.D

Acq: 27 Nov 2024 17:57

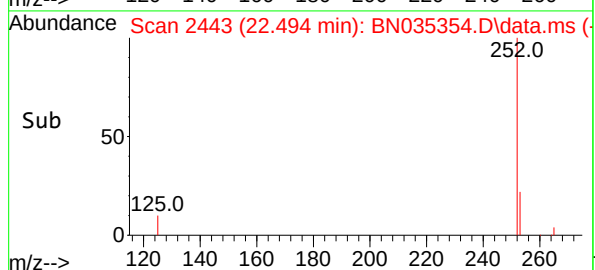
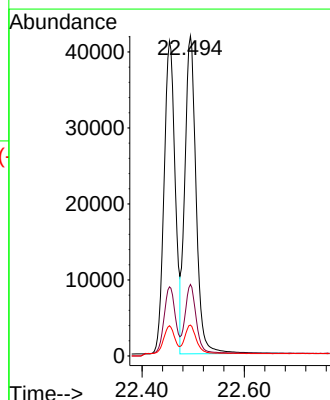
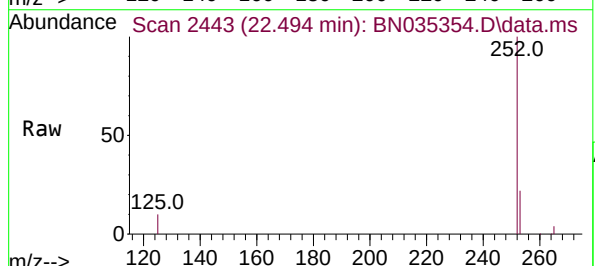
Tgt Ion:252 Resp: 63925

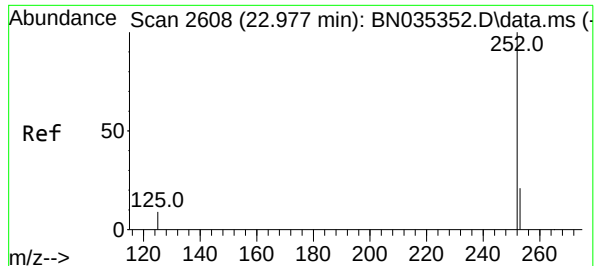
Ion Ratio Lower Upper

252 100

253 22.3 19.5 29.3

125 9.7 10.2 15.4#





#39

Benzo(a)pyrene

Concen: 1.697 ng

RT: 22.977 min Scan# 2

Delta R.T. 0.000 min

Lab File: BN035354.D

Acq: 27 Nov 2024 17:57

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

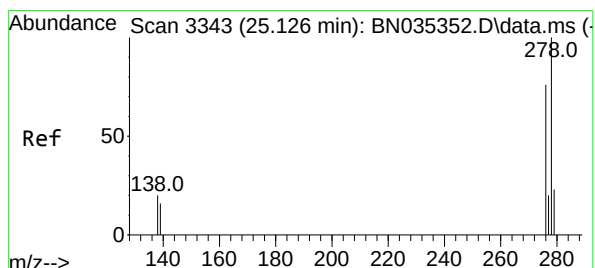
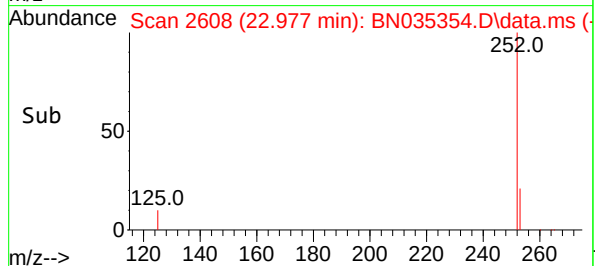
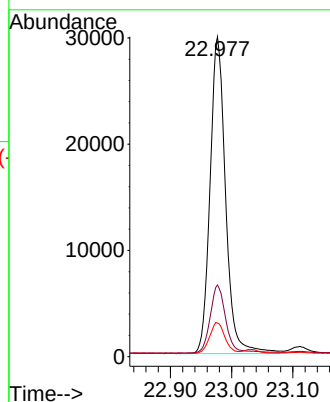
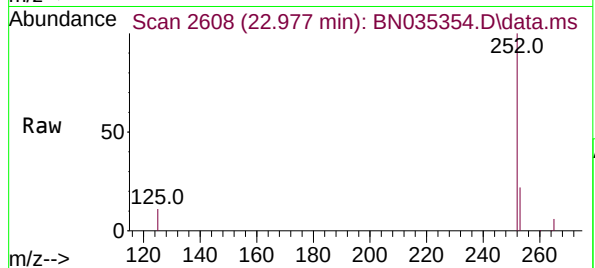
Tgt Ion:252 Resp: 52595

Ion Ratio Lower Upper

252 100

253 22.4 20.2 30.4

125 10.5 10.9 16.3#



#40

Dibenzo(a,h)anthracene

Concen: 1.664 ng

RT: 25.126 min Scan# 3343

Delta R.T. 0.000 min

Lab File: BN035354.D

Acq: 27 Nov 2024 17:57

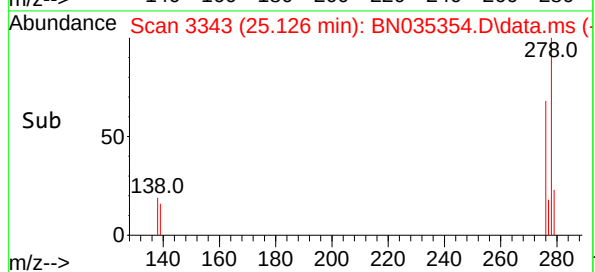
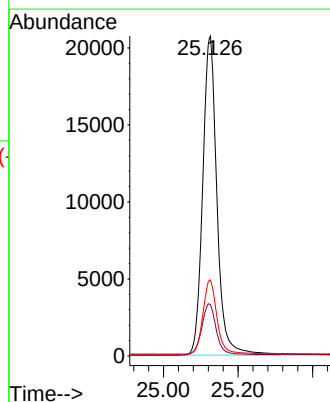
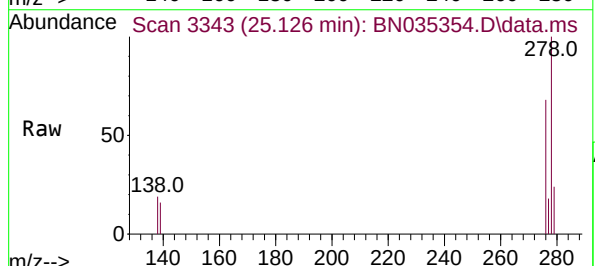
Tgt Ion:278 Resp: 55068

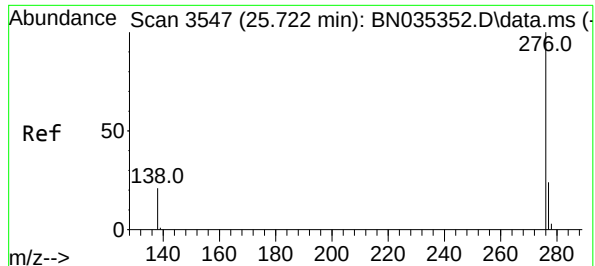
Ion Ratio Lower Upper

278 100

139 16.0 14.2 21.4

279 23.8 20.5 30.7





#41

Benzo(g,h,i)perylene

Concen: 1.618 ng

RT: 25.719 min Scan# 3

Delta R.T. -0.003 min

Lab File: BN035354.D

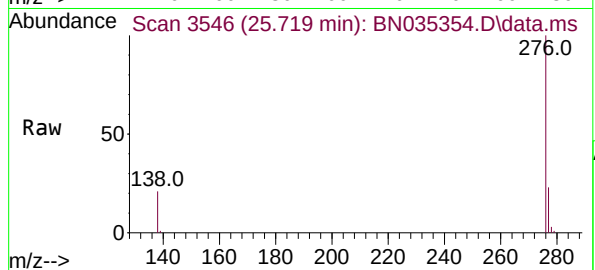
Acq: 27 Nov 2024 17:57

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



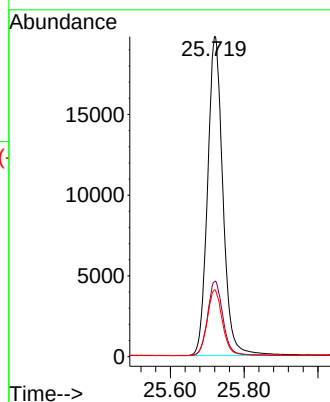
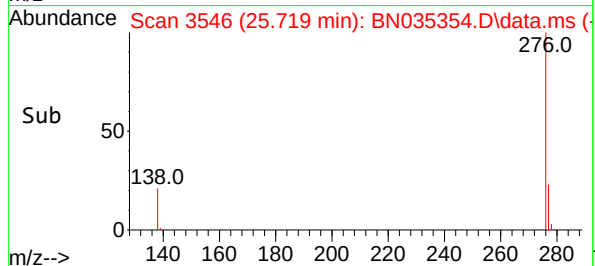
Tgt Ion:276 Resp: 56947

Ion Ratio Lower Upper

276 100

277 23.4 19.9 29.9

138 20.9 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035355.D
 Acq On : 27 Nov 2024 18:33
 Operator : RC/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

Quant Time: Nov 27 22:53:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 22:48:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

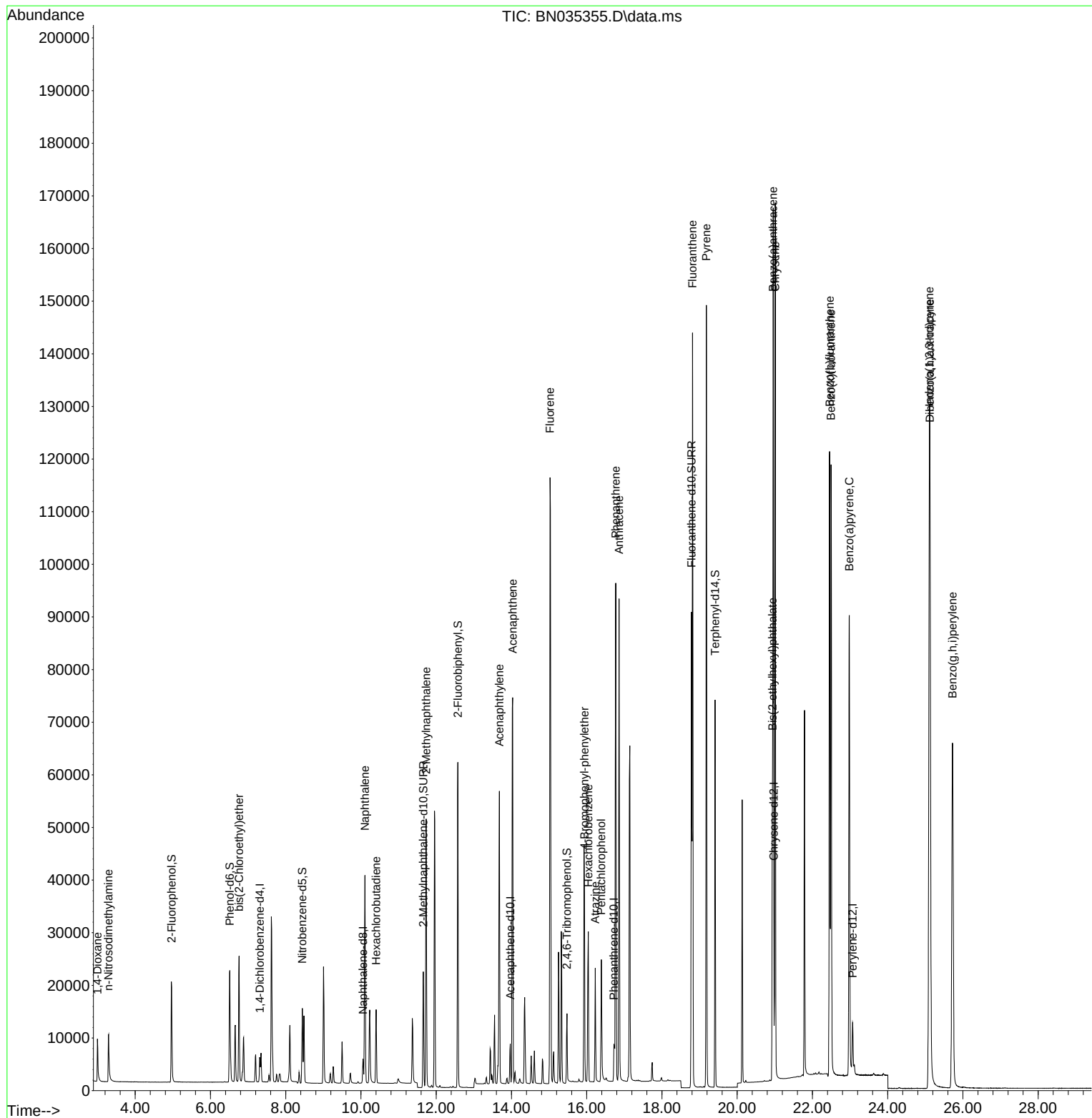
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2226	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5857	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	4307	0.400	ng	0.00
19) Phenanthrene-d10	16.723	188	10513	0.400	ng	#-0.01
29) Chrysene-d12	20.974	240	11206	0.400	ng	0.00
35) Perylene-d12	23.067	264	11643	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	16991	3.007	ng	0.00
5) Phenol-d6	6.513	99	21633	3.053	ng	0.00
8) Nitrobenzene-d5	8.440	82	11759	2.307	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	29957	2.870	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	10700	3.444	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	52048	2.976	ng	0.00
27) Fluoranthene-d10	18.785	212	95675	2.971	ng	0.00
31) Terphenyl-d14	19.412	244	69164	2.941	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.996	88	6360	3.146	ng	99
3) n-Nitrosodimethylamine	3.285	42	5524	2.932	ng	# 95
6) bis(2-Chloroethyl)ether	6.759	93	17762	3.339	ng	99
9) Naphthalene	10.105	128	49151	3.214	ng	97
10) Hexachlorobutadiene	10.404	225	11039	2.463	ng	# 100
12) 2-Methylnaphthalene	11.732	142	36121	3.202	ng	98
16) Acenaphthylene	13.679	152	60734	3.300	ng	99
17) Acenaphthene	14.031	154	38676	3.206	ng	99
18) Fluorene	15.026	166	55613	3.134	ng	99
21) 4-Bromophenyl-phenylether	15.941	248	20321	3.034	ng	# 93
22) Hexachlorobenzene	16.040	284	23349	3.359	ng	99
23) Atrazine	16.227	200	15072	2.508	ng	96
24) Pentachlorophenol	16.388	266	11439	3.522	ng	86
25) Phenanthrene	16.773	178	94243	3.406	ng	100
26) Anthracene	16.860	178	87657	3.449	ng	99
28) Fluoranthene	18.812	202	125901	3.309	ng	100
30) Pyrene	19.179	202	129105	3.460	ng	100
32) Benzo(a)anthracene	20.956	228	126517	3.242	ng	99
33) Chrysene	21.009	228	127439	3.297	ng	99
34) Bis(2-ethylhexyl)phtha...	20.938	149	46251	2.259	ng	99
36) Indeno(1,2,3-cd)pyrene	25.108	276	150433	3.239	ng	99
37) Benzo(b)fluoranthene	22.456	252	136261	3.478	ng	# 94
38) Benzo(k)fluoranthene	22.494	252	134789	3.439	ng	# 93
39) Benzo(a)pyrene	22.980	252	114719	3.328	ng	# 93
40) Dibenzo(a,h)anthracene	25.123	278	119216	3.240	ng	96
41) Benzo(g,h,i)perylene	25.722	276	123841	3.164	ng	97

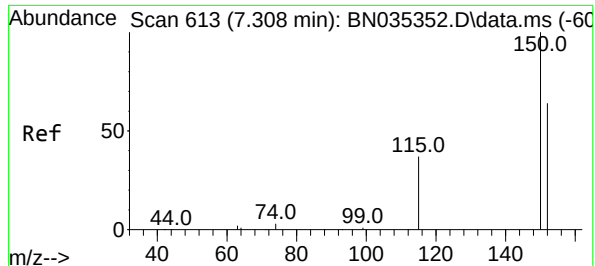
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035355.D
Acq On : 27 Nov 2024 18:33
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

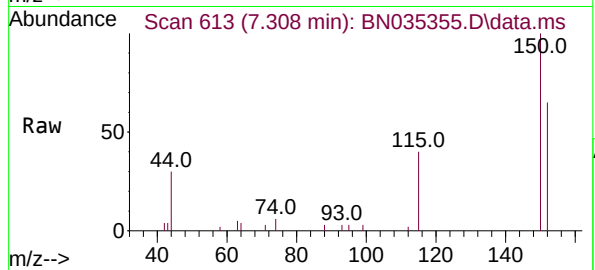
Quant Time: Nov 27 22:53:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration



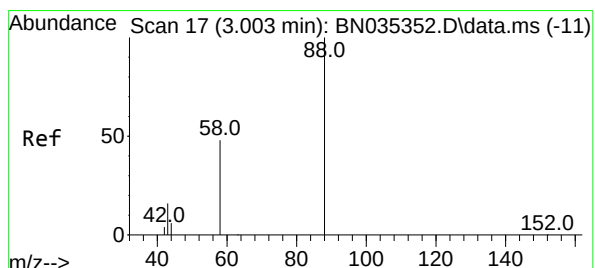
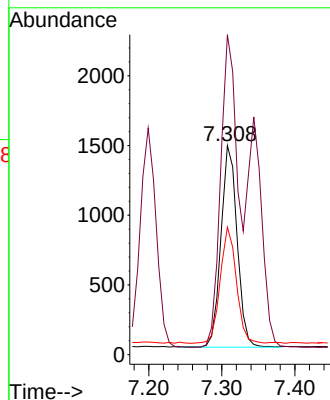
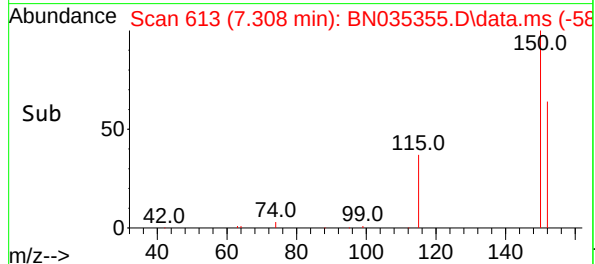


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

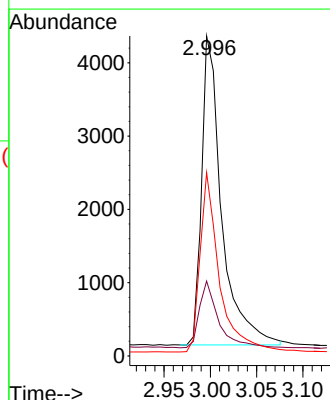
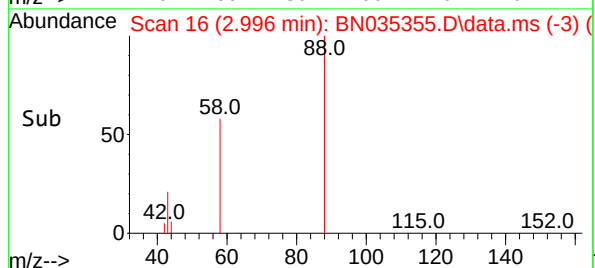
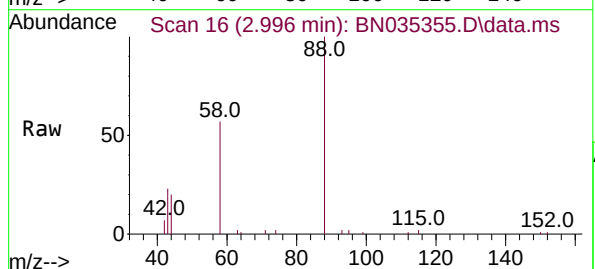


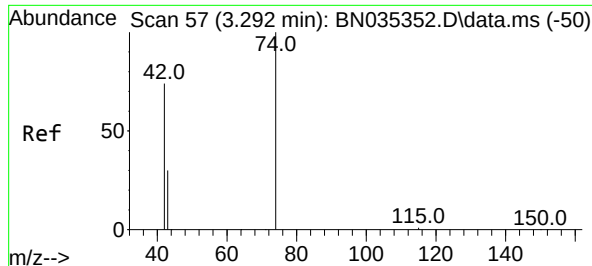
Tgt Ion:152 Resp: 2226
Ion Ratio Lower Upper
152 100
150 153.0 124.0 186.0
115 61.0 49.6 74.4



#2
1,4-Dioxane
Concen: 3.146 ng
RT: 2.996 min Scan# 16
Delta R.T. -0.007 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion: 88 Resp: 6360
Ion Ratio Lower Upper
88 100
43 20.6 17.2 25.8
58 55.4 44.5 66.7

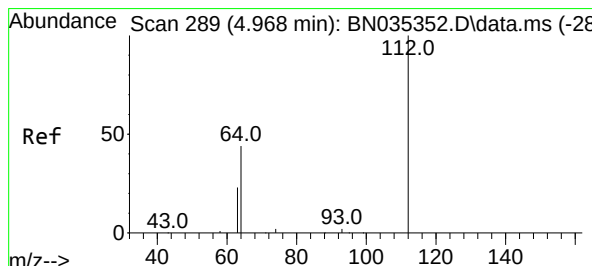
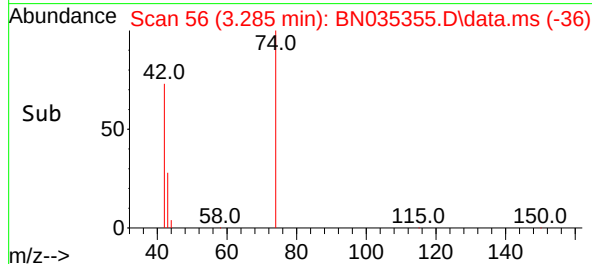
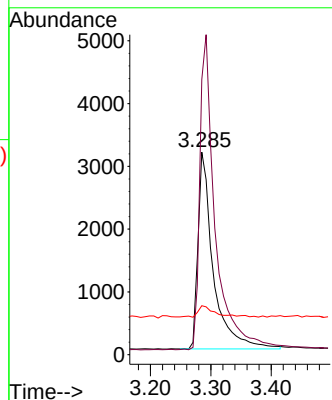
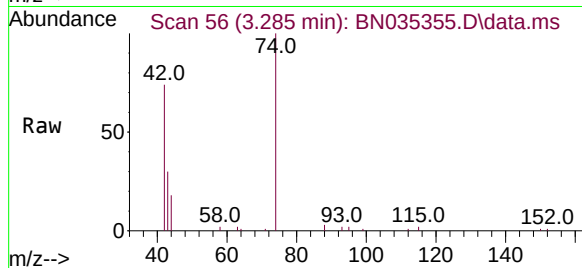




#3
n-Nitrosodimethylamine
Concen: 2.932 ng
RT: 3.285 min Scan# 50
Delta R.T. -0.007 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

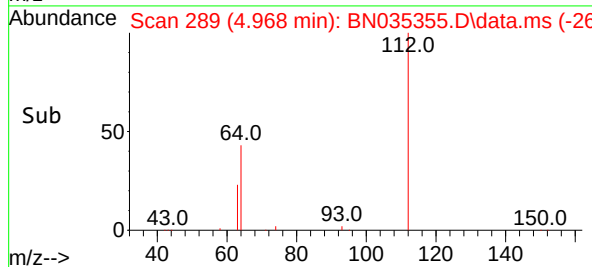
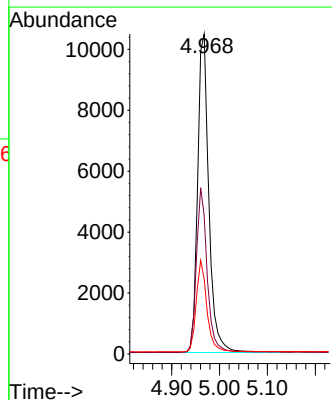
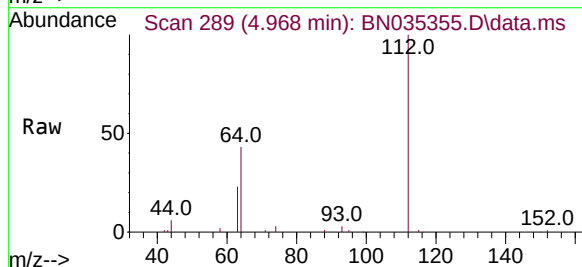
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

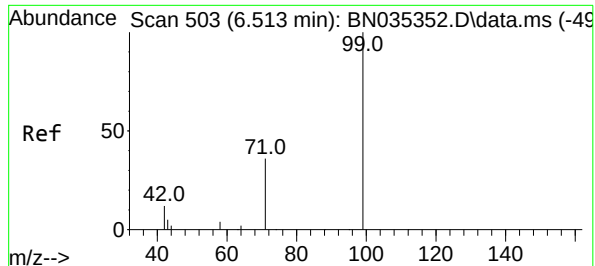
Tgt Ion: 42 Resp: 5524
Ion Ratio Lower Upper
42 100
74 162.0 124.9 187.3
44 6.4 2.2 3.4#



#4
2-Fluorophenol
Concen: 3.007 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion: 112 Resp: 16991
Ion Ratio Lower Upper
112 100
64 49.7 39.8 59.8
63 27.1 21.0 31.6

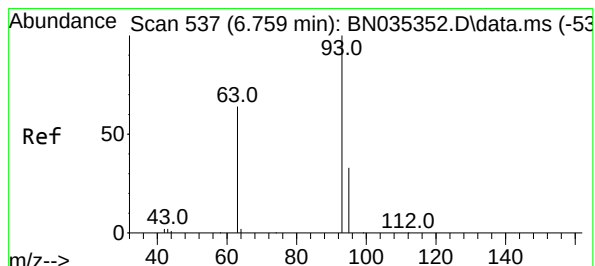
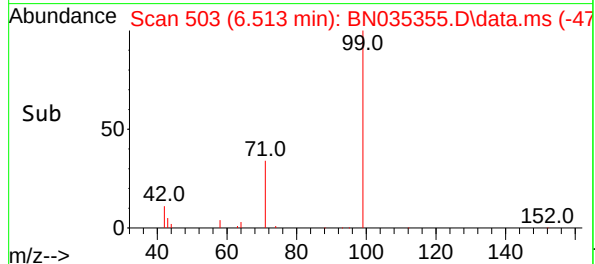
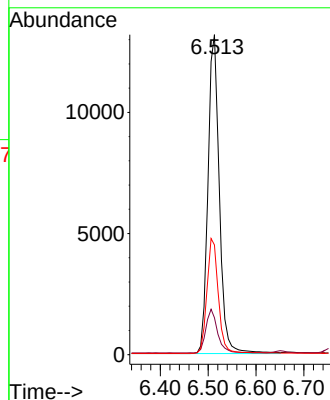
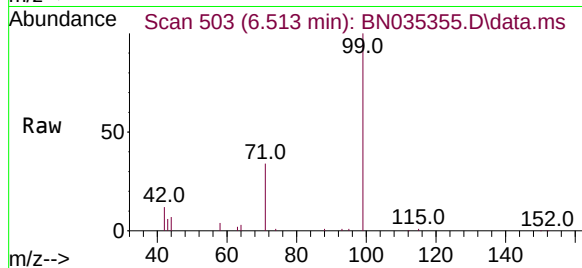




#5
Phenol-d6
Concen: 3.053 ng
RT: 6.513 min Scan# 503
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

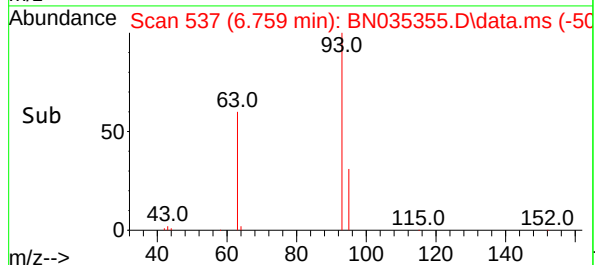
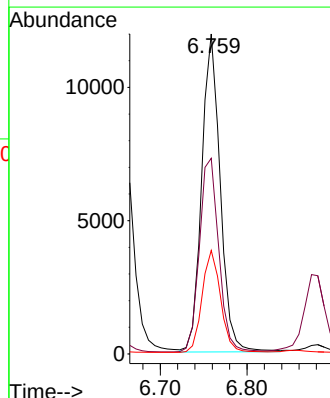
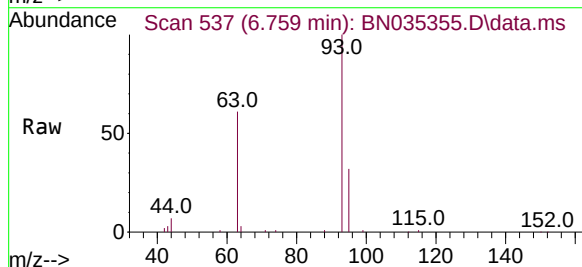
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

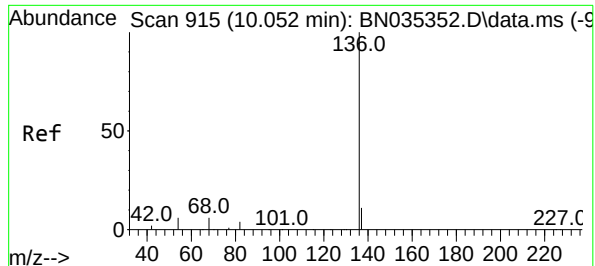
Tgt Ion: 99 Resp: 21633
Ion Ratio Lower Upper
99 100
42 14.1 11.4 17.2
71 36.5 29.3 43.9



#6
bis(2-Chloroethyl)ether
Concen: 3.339 ng
RT: 6.759 min Scan# 537
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion: 93 Resp: 17762
Ion Ratio Lower Upper
93 100
63 63.6 50.4 75.6
95 32.0 25.7 38.5

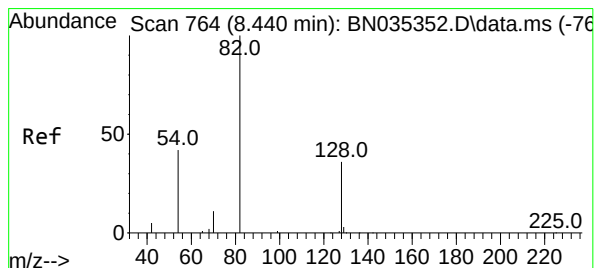
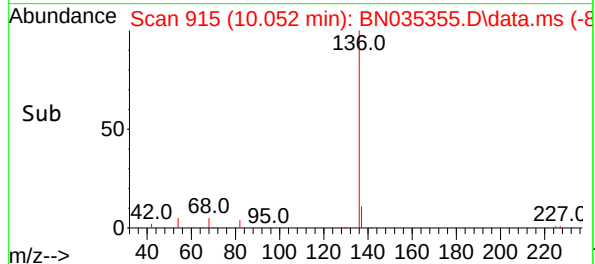
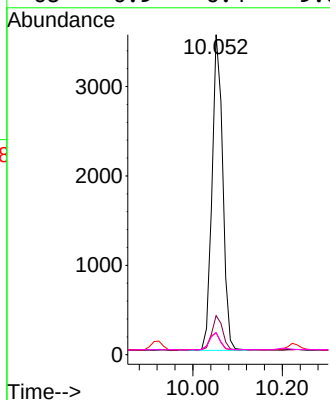
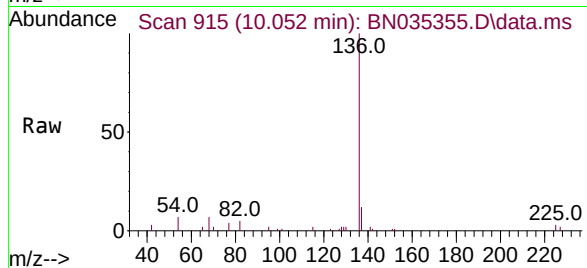




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

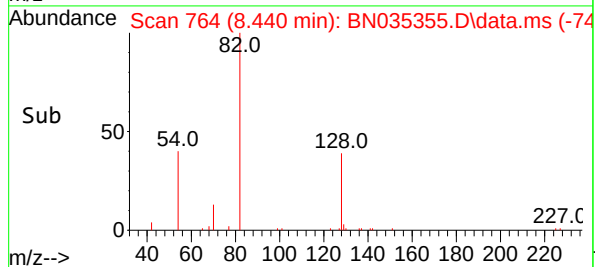
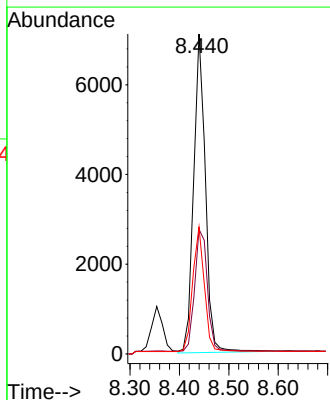
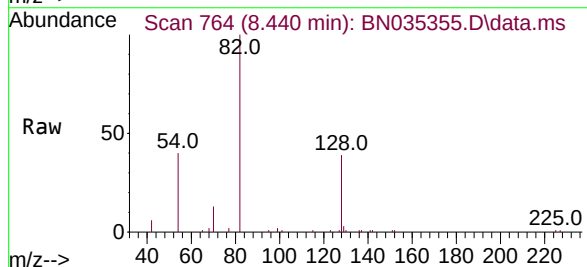
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

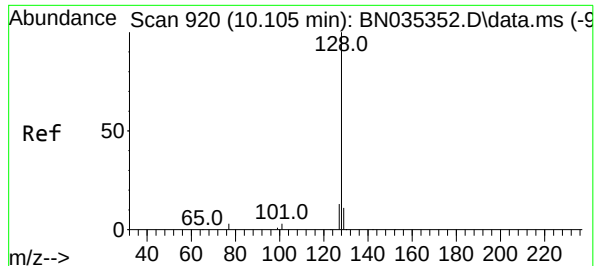
Tgt Ion:	136	Resp:	5857
Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.2	15.2
54	6.9	6.1	9.1
68	6.9	6.4	9.6



#8
Nitrobenzene-d5
Concen: 2.307 ng
RT: 8.440 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:	82	Resp:	11759
Ion	Ratio	Lower	Upper
82	100		
128	39.0	33.4	50.0
54	39.7	36.7	55.1

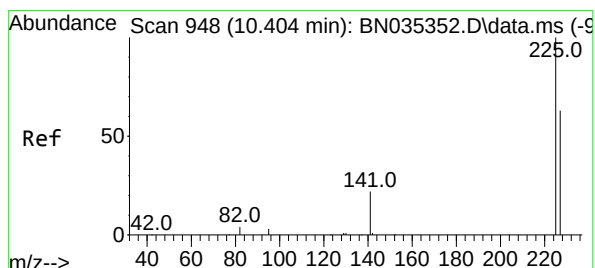
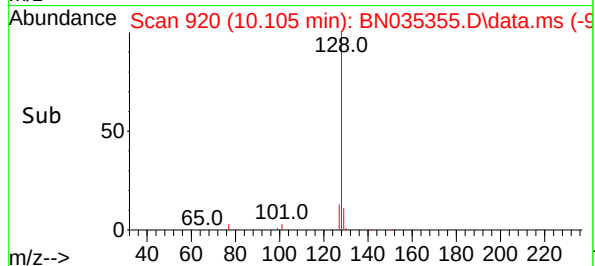
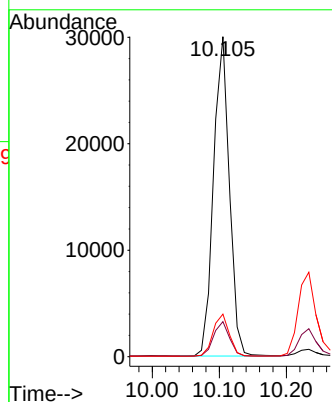
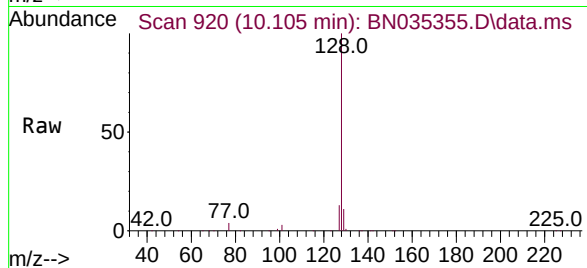




#9
Naphthalene
Concen: 3.214 ng
RT: 10.105 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

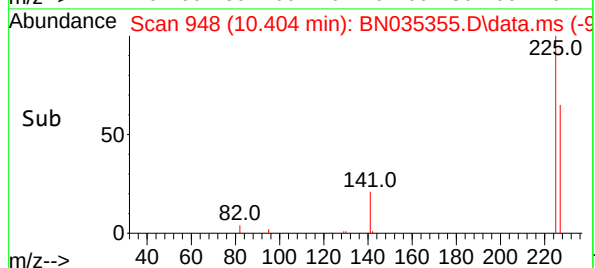
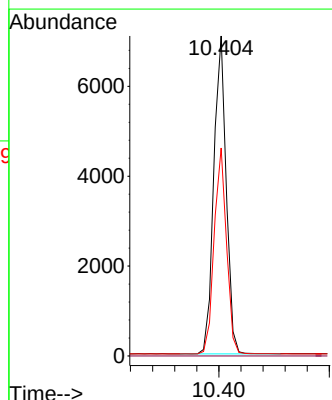
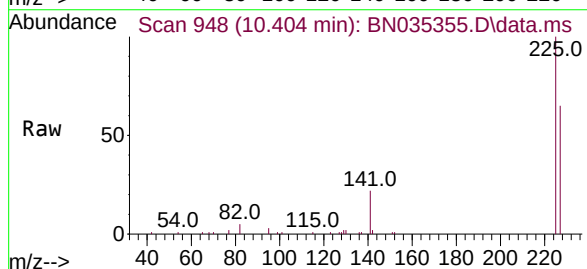
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

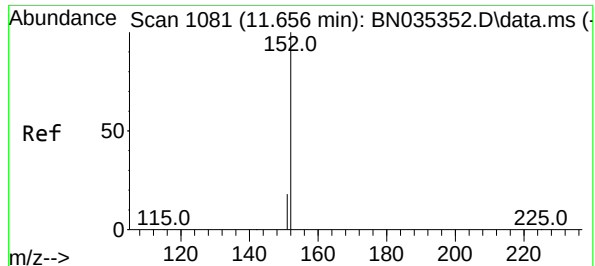
Tgt Ion:128 Resp: 49151
Ion Ratio Lower Upper
128 100
129 11.0 9.8 14.6
127 13.3 11.4 17.2



#10
Hexachlorobutadiene
Concen: 2.463 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:225 Resp: 11039
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.4 51.3 76.9

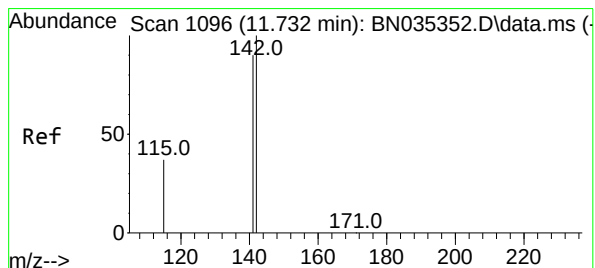
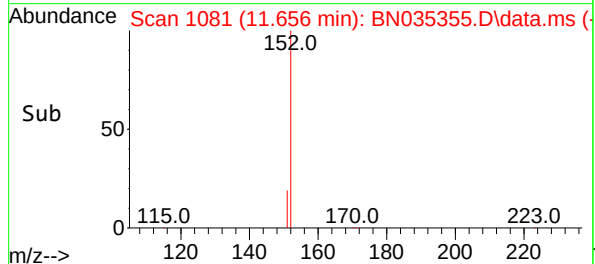
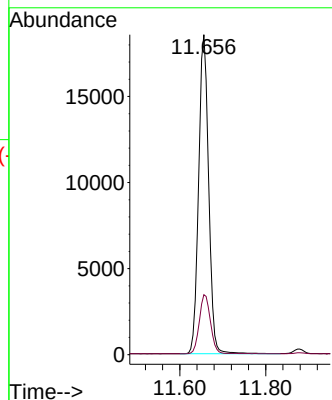
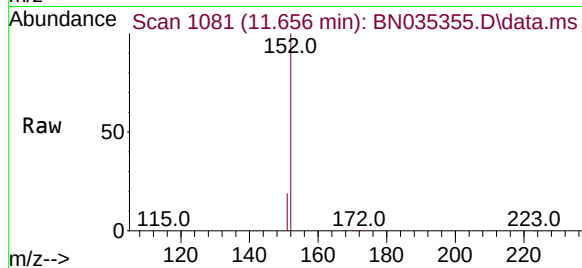




#11
2-Methylnaphthalene-d10
Concen: 2.870 ng
RT: 11.656 min Scan# 1081
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

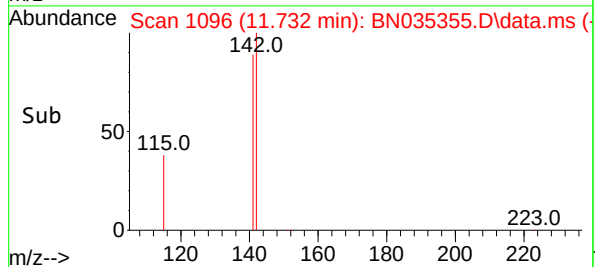
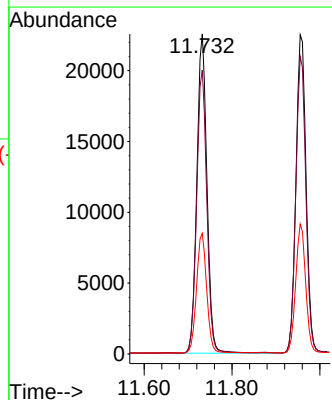
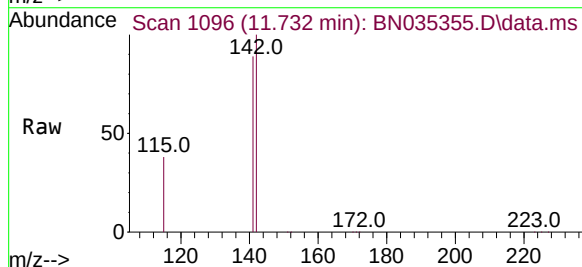
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

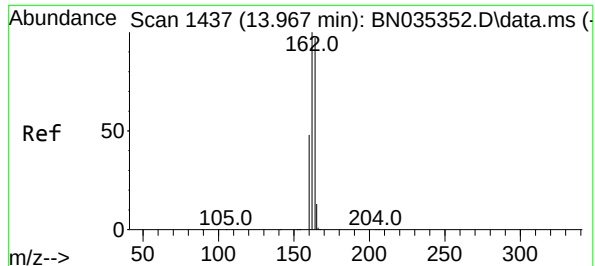
Tgt Ion:152 Resp: 29957
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0



#12
2-Methylnaphthalene
Concen: 3.202 ng
RT: 11.732 min Scan# 1096
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:142 Resp: 36121
Ion Ratio Lower Upper
142 100
141 88.7 72.2 108.4
115 37.7 31.4 47.0

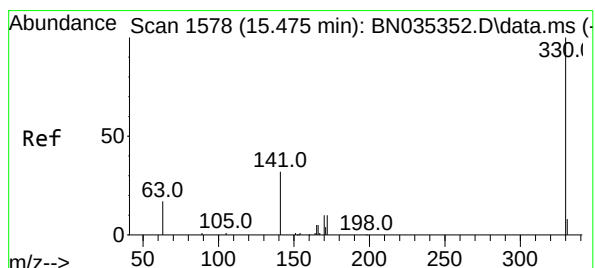
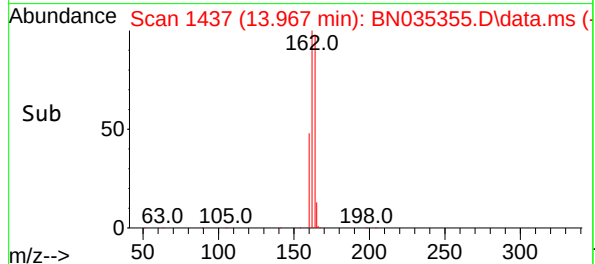
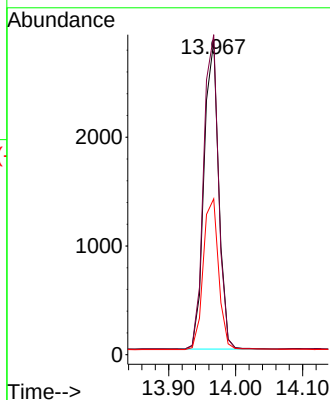
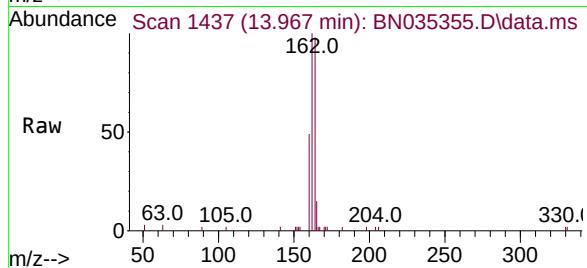




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

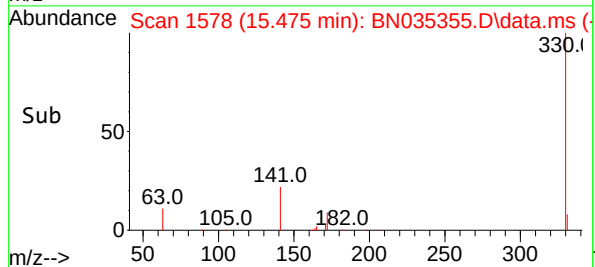
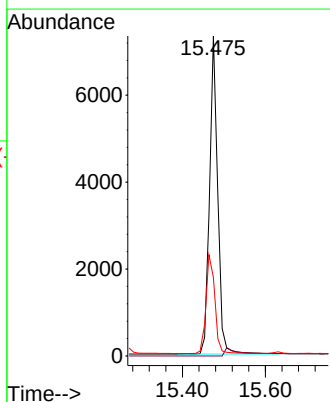
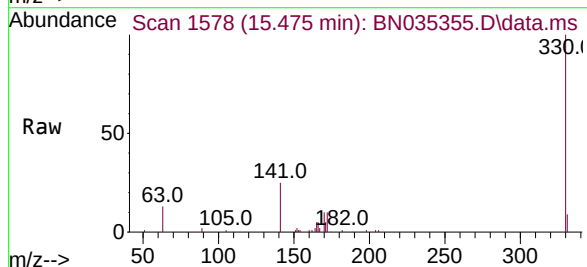
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

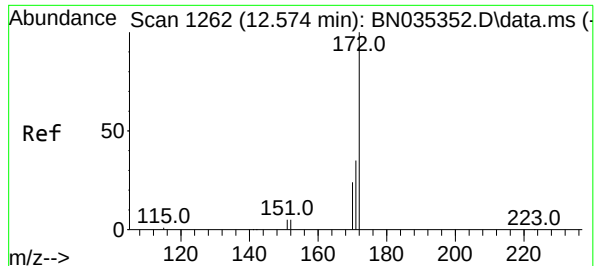
Tgt Ion:164 Resp: 4307
Ion Ratio Lower Upper
164 100
162 102.0 82.2 123.2
160 49.7 40.1 60.1



#14
2,4,6-Tribromophenol
Concen: 3.444 ng
RT: 15.475 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:330 Resp: 10700
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.7 26.6 40.0

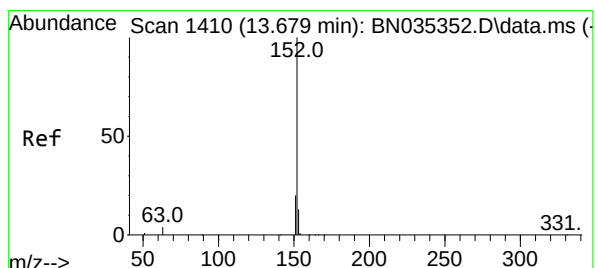
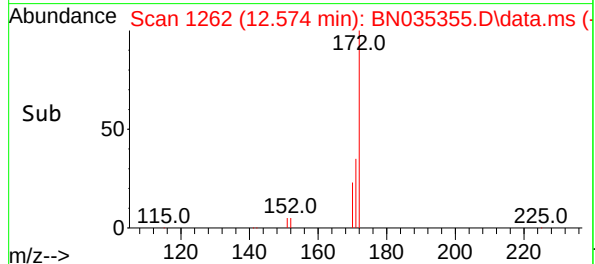
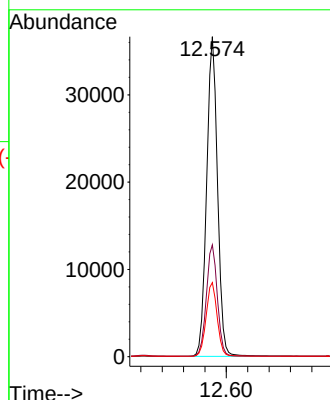
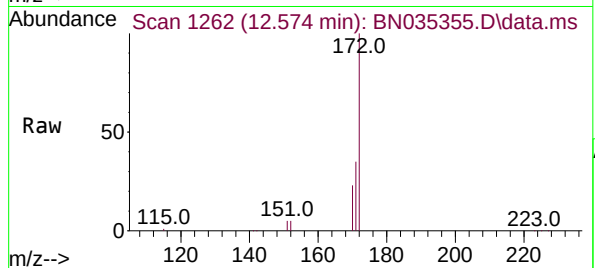




#15
2-Fluorobiphenyl
Concen: 2.976 ng
RT: 12.574 min Scan# 1262
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

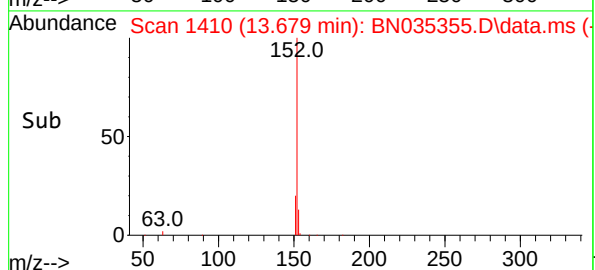
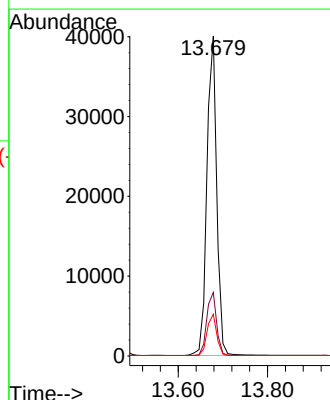
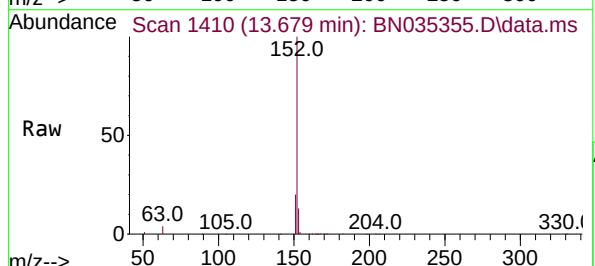
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

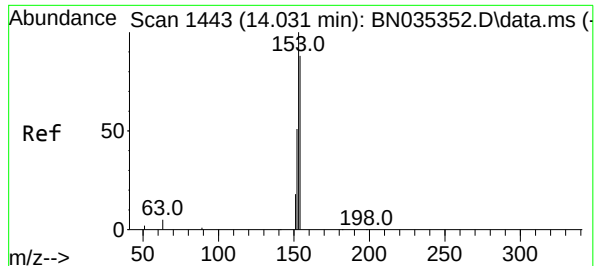
Tgt Ion:172 Resp: 52048
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.4
170 23.1 19.8 29.8



#16
Acenaphthylene
Concen: 3.300 ng
RT: 13.679 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:152 Resp: 60734
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 12.9 10.4 15.6

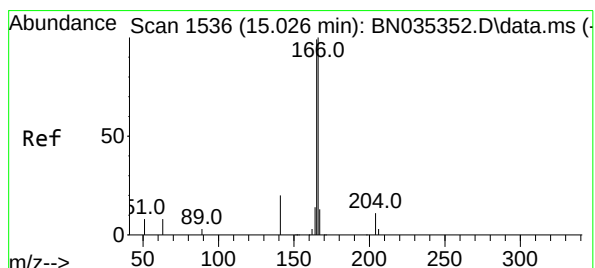
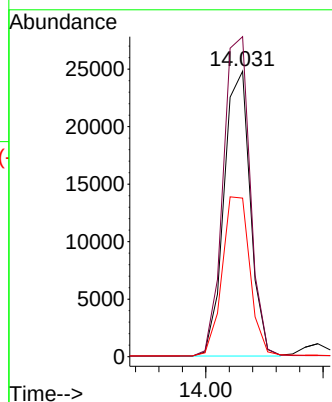
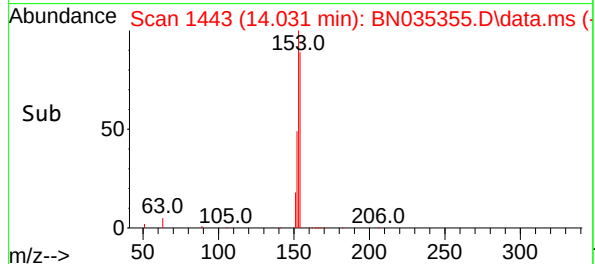
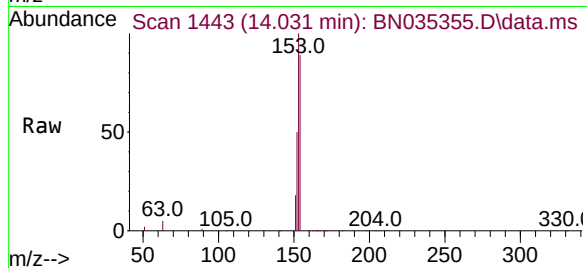




#17
Acenaphthene
Concen: 3.206 ng
RT: 14.031 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

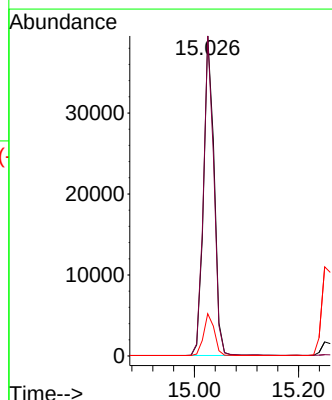
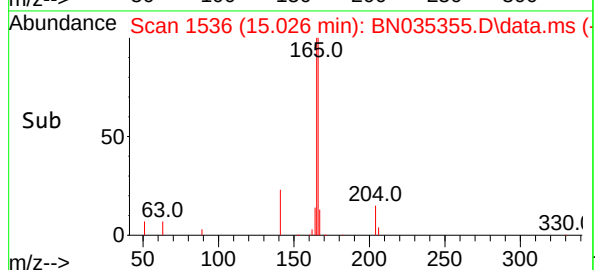
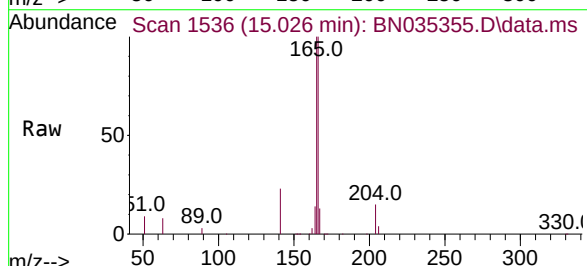
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

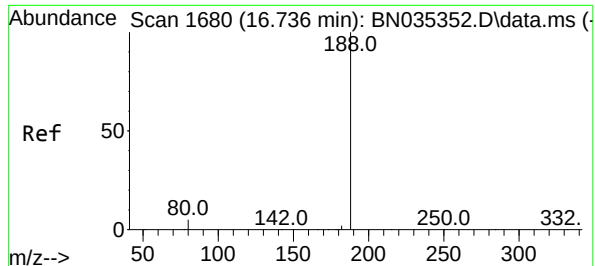
Tgt Ion:154 Resp: 38676
Ion Ratio Lower Upper
154 100
153 115.5 92.6 139.0
152 59.2 49.0 73.6



#18
Fluorene
Concen: 3.134 ng
RT: 15.026 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:166 Resp: 55613
Ion Ratio Lower Upper
166 100
165 98.5 79.7 119.5
167 13.3 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.723 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN035355.D

Acq: 27 Nov 2024 18:33

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

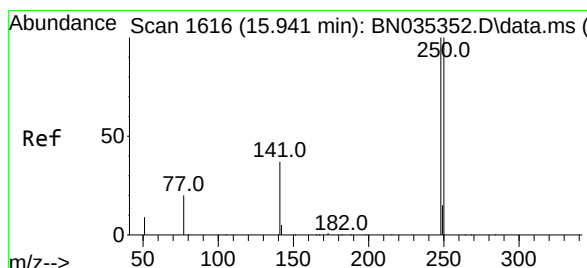
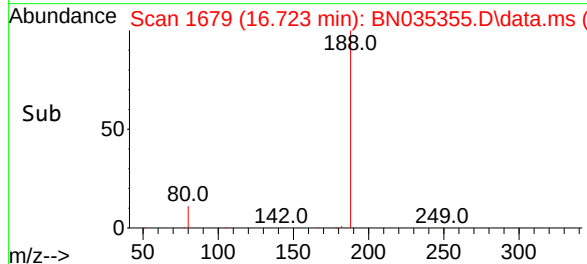
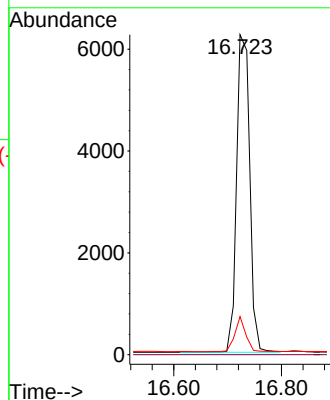
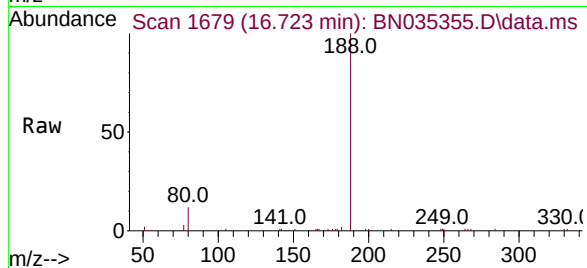
Tgt Ion:188 Resp: 10513

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.9 4.6 6.8#



#21

4-Bromophenyl-phenylether

Concen: 3.034 ng

RT: 15.941 min Scan# 1616

Delta R.T. -0.000 min

Lab File: BN035355.D

Acq: 27 Nov 2024 18:33

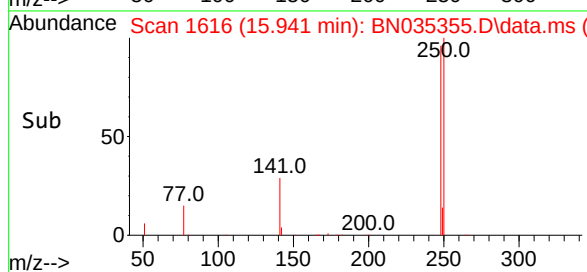
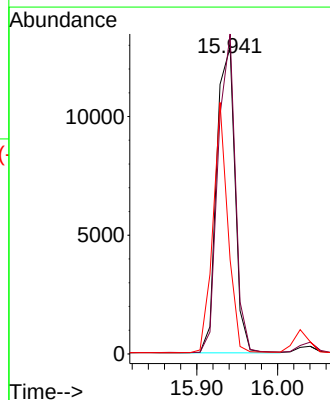
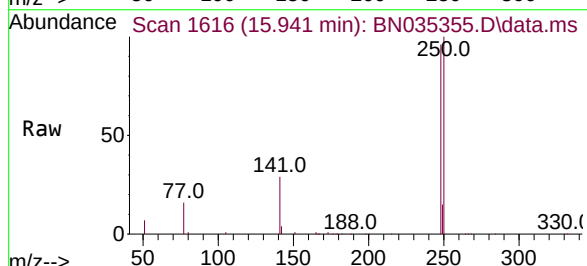
Tgt Ion:248 Resp: 20321

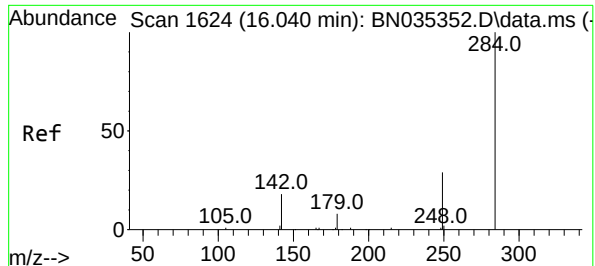
Ion Ratio Lower Upper

248 100

250 104.3 80.6 120.8

141 30.7 31.5 47.3#





#22

Hexachlorobenzene

Concen: 3.359 ng

RT: 16.040 min Scan# 1624

Delta R.T. -0.000 min

Lab File: BN035355.D

Acq: 27 Nov 2024 18:33

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

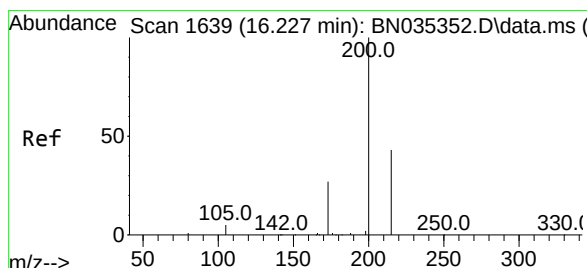
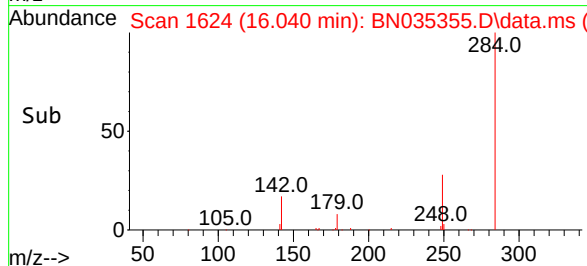
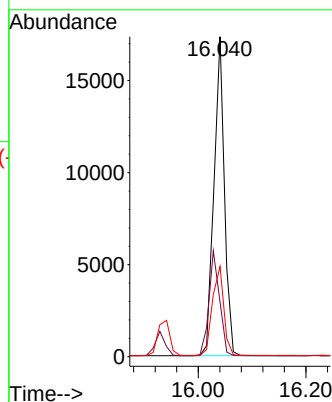
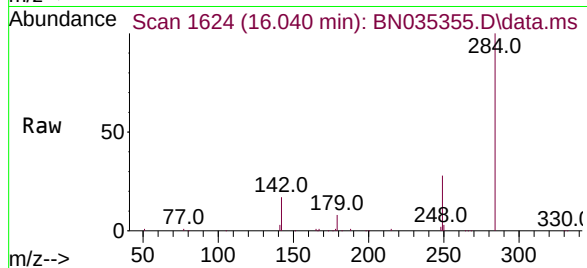
Tgt Ion:284 Resp: 23349

Ion Ratio Lower Upper

284 100

142 33.3 26.7 40.1

249 30.2 24.6 36.8



#23

Atrazine

Concen: 2.508 ng

RT: 16.227 min Scan# 1639

Delta R.T. -0.000 min

Lab File: BN035355.D

Acq: 27 Nov 2024 18:33

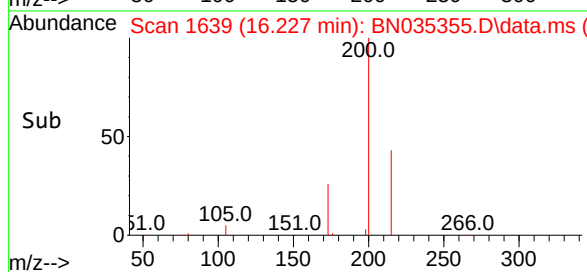
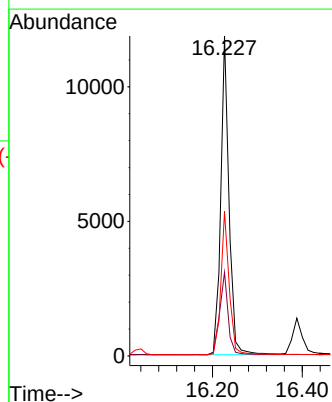
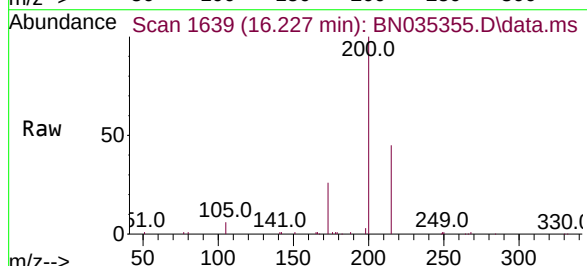
Tgt Ion:200 Resp: 15072

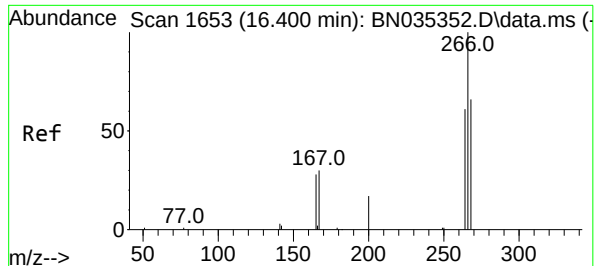
Ion Ratio Lower Upper

200 100

173 26.2 24.1 36.1

215 45.1 36.9 55.3

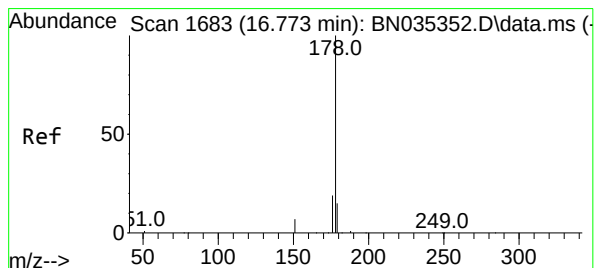
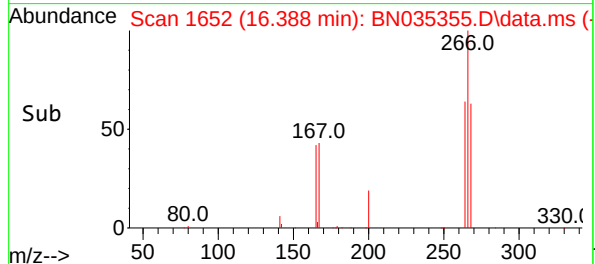
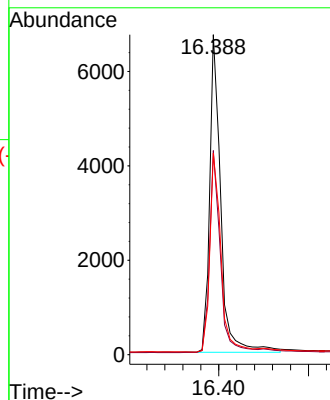
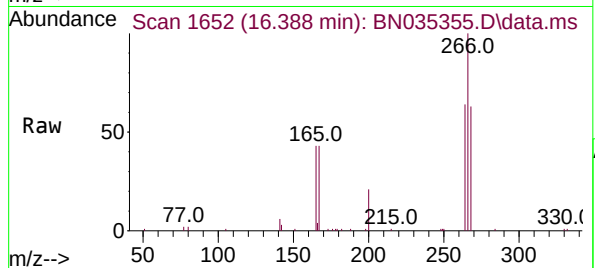




#24
Pentachlorophenol
Concen: 3.522 ng
RT: 16.388 min Scan# 1652
Delta R.T. -0.012 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

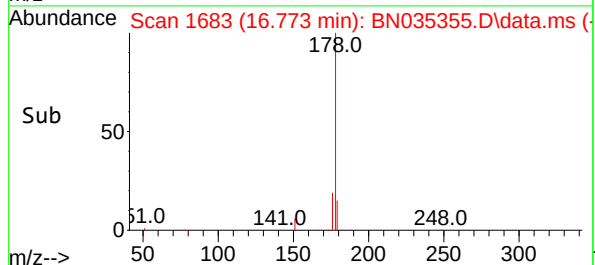
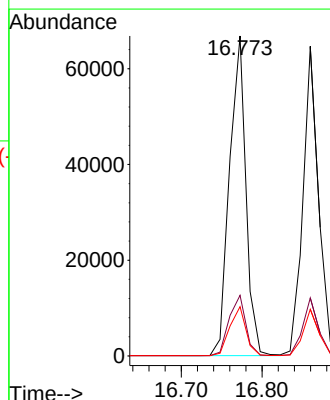
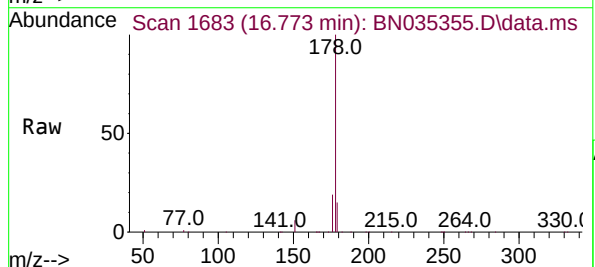
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

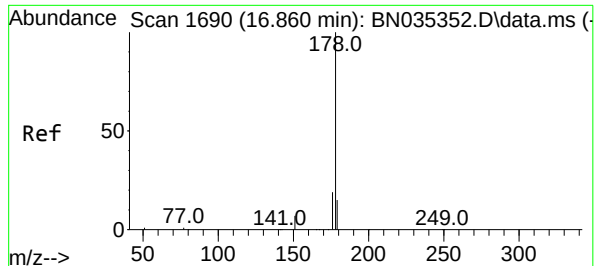
Tgt Ion:266 Resp: 11439
Ion Ratio Lower Upper
266 100
264 62.6 42.3 63.5
268 64.4 43.3 64.9



#25
Phenanthrene
Concen: 3.406 ng
RT: 16.773 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:178 Resp: 94243
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.3 12.3 18.5

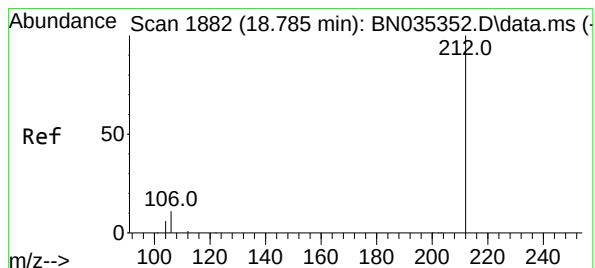
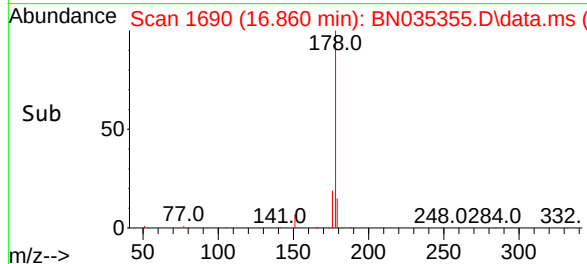
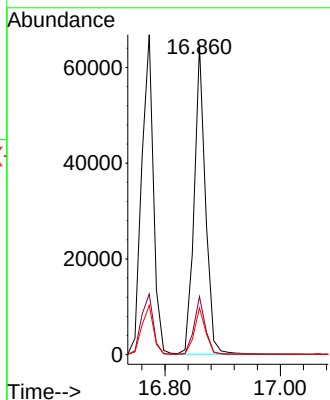
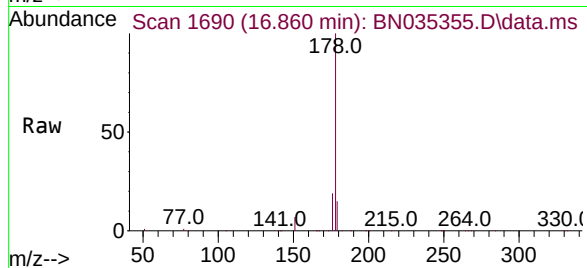




#26
Anthracene
Concen: 3.449 ng
RT: 16.860 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

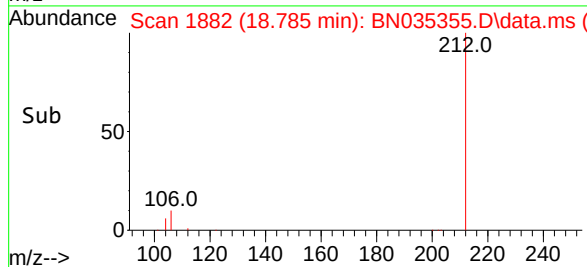
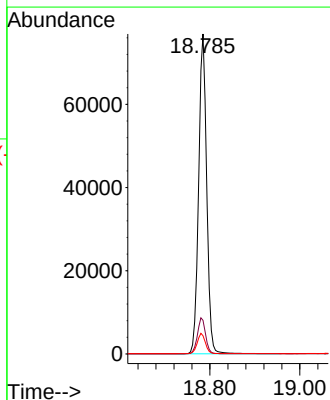
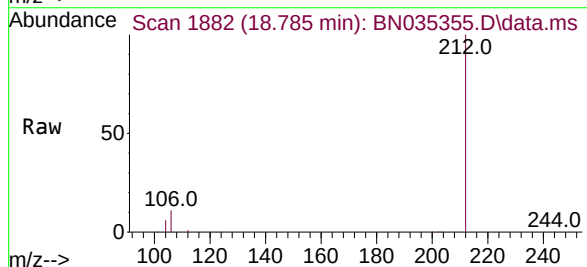
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

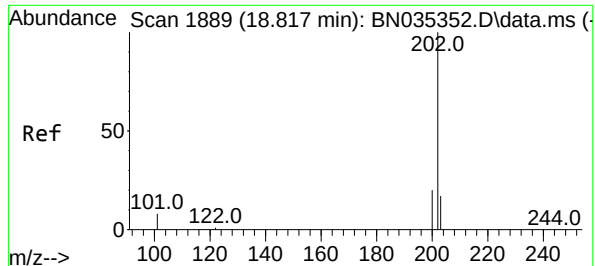
Tgt Ion:178 Resp: 87657
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.1 12.6 18.8



#27
Fluoranthene-d10
Concen: 2.971 ng
RT: 18.785 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:212 Resp: 95675
Ion Ratio Lower Upper
212 100
106 11.4 9.2 13.8
104 6.4 5.3 7.9

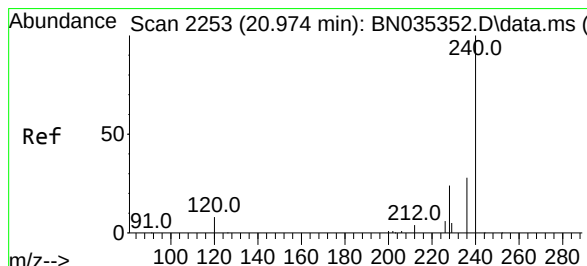
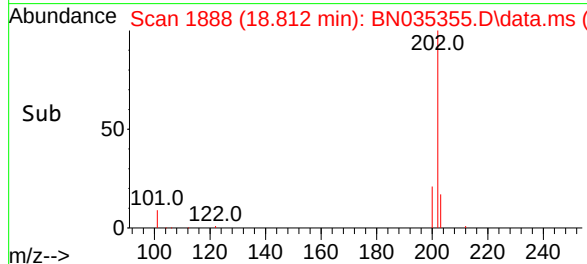
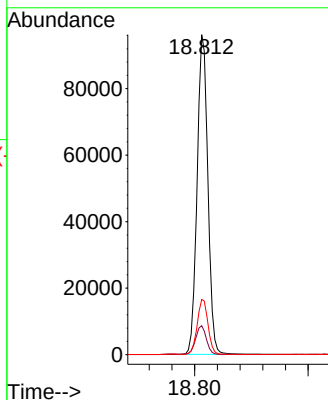
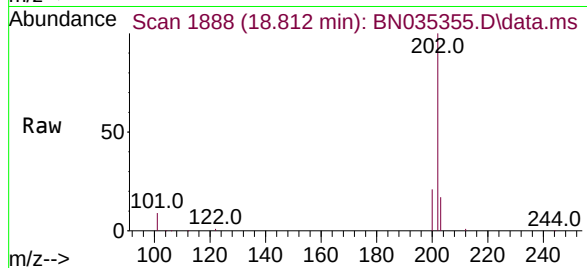




#28
Fluoranthene
Concen: 3.309 ng
RT: 18.812 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

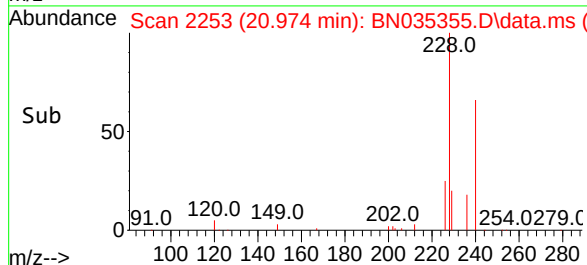
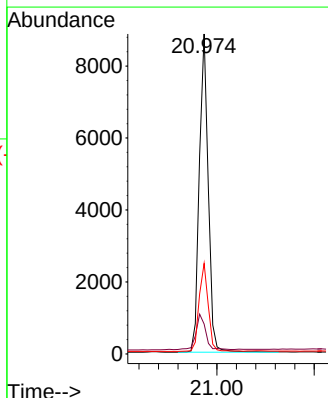
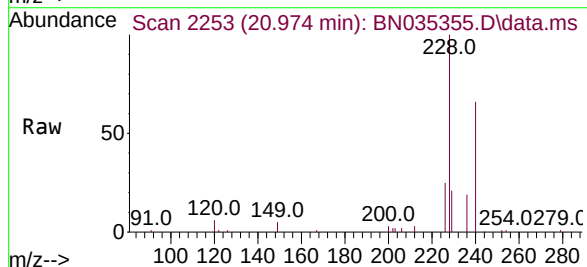
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

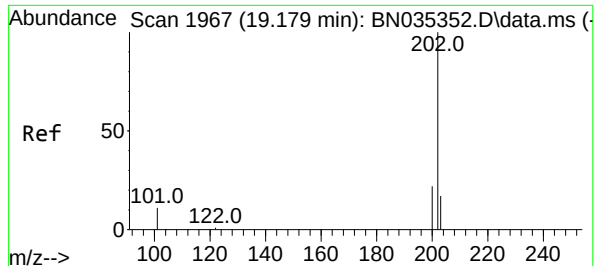
Tgt Ion:202 Resp: 125901
Ion Ratio Lower Upper
202 100
101 9.1 7.4 11.0
203 17.3 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2253
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:240 Resp: 11206
Ion Ratio Lower Upper
240 100
120 9.3 7.9 11.9
236 28.3 22.9 34.3

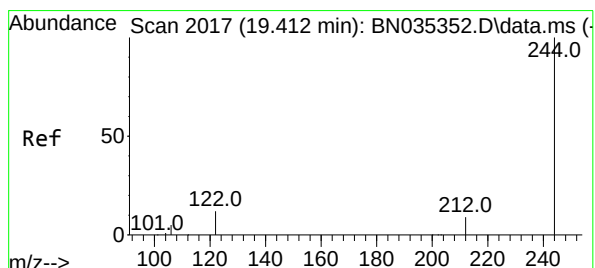
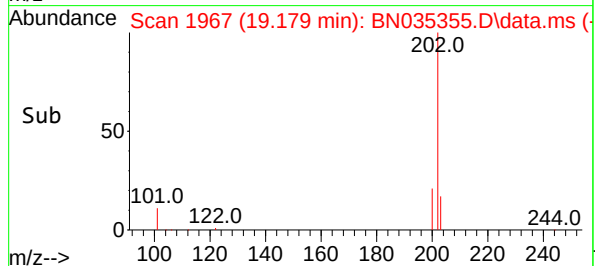
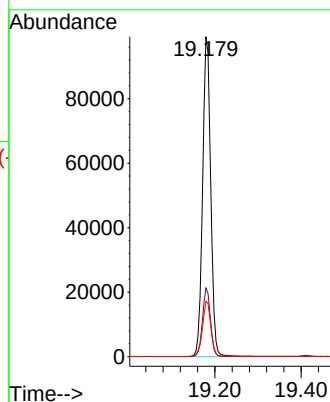
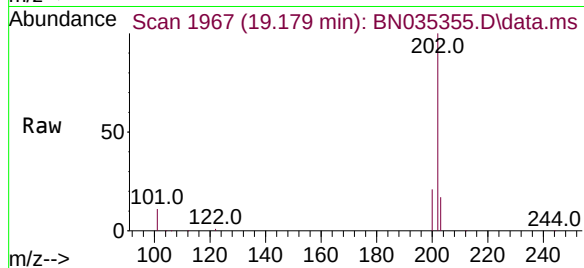




#30
Pyrene
Concen: 3.460 ng
RT: 19.179 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

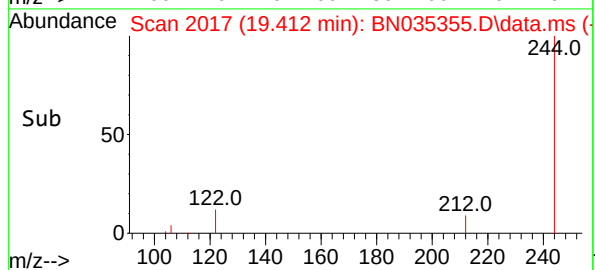
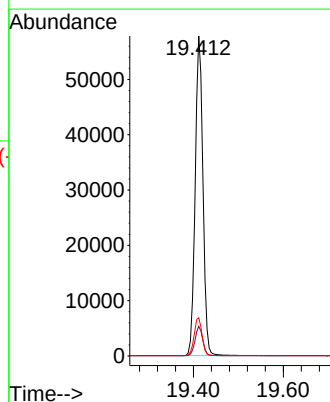
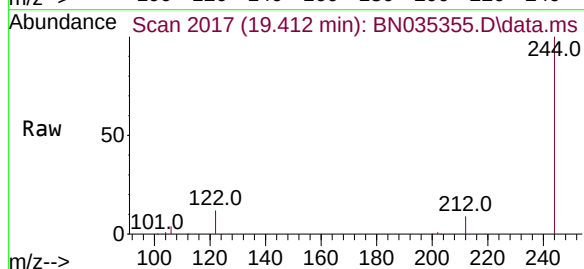
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

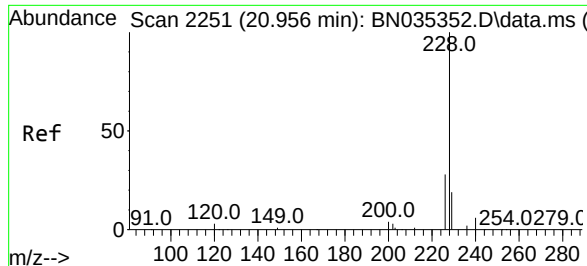
Tgt Ion:202 Resp: 129105
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.7 14.3 21.5



#31
Terphenyl-d14
Concen: 2.941 ng
RT: 19.412 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:244 Resp: 69164
Ion Ratio Lower Upper
244 100
212 9.2 8.1 12.1
122 12.0 10.3 15.5

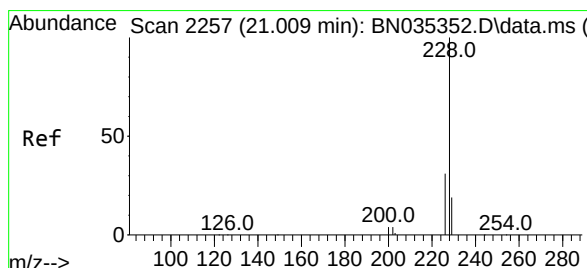
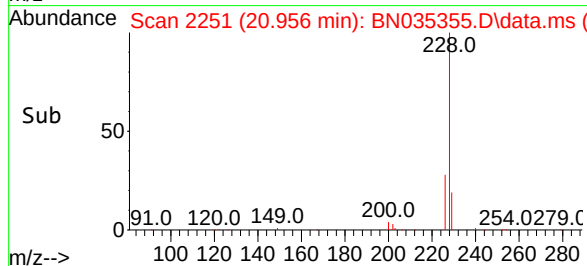
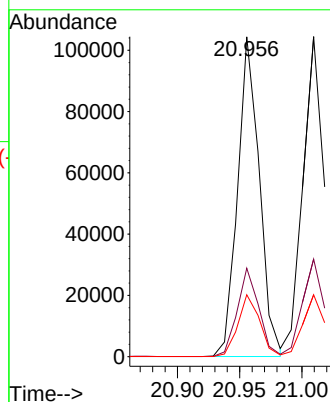
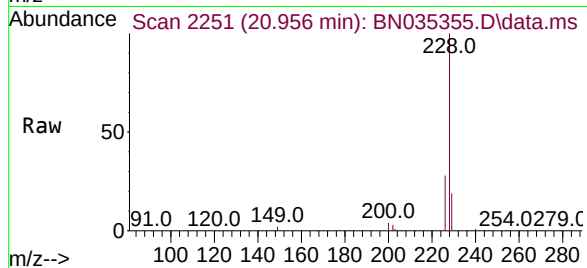




#32
Benzo(a)anthracene
Concen: 3.242 ng
RT: 20.956 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

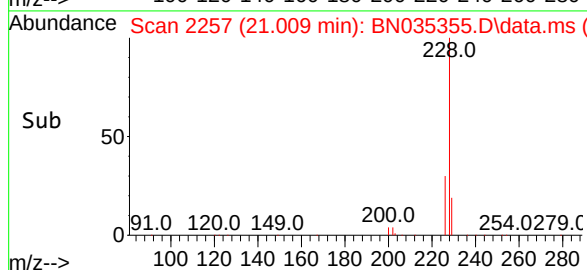
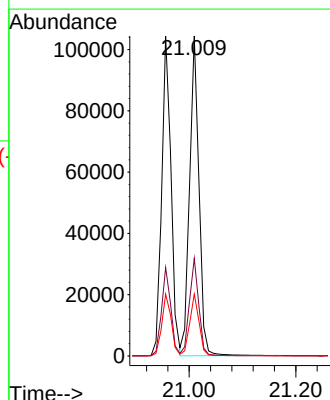
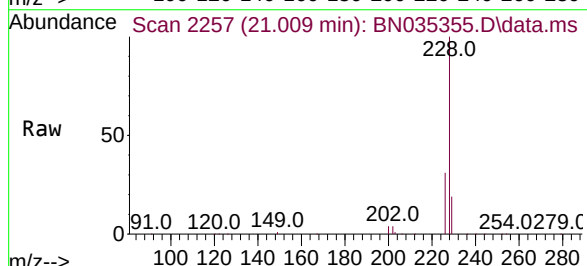
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

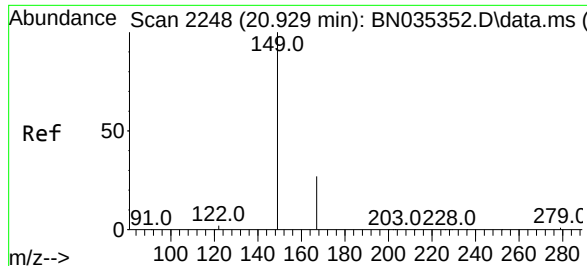
Tgt Ion:228 Resp: 126517
Ion Ratio Lower Upper
228 100
226 27.6 22.5 33.7
229 19.4 15.8 23.8



#33
Chrysene
Concen: 3.297 ng
RT: 21.009 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:228 Resp: 127439
Ion Ratio Lower Upper
228 100
226 30.5 24.6 37.0
229 19.4 15.9 23.9

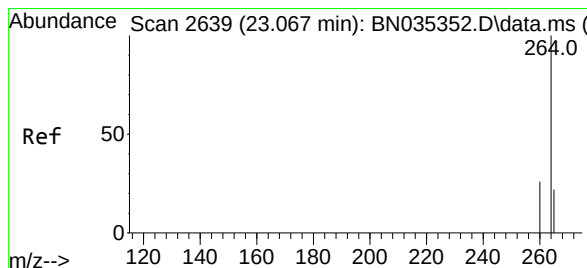
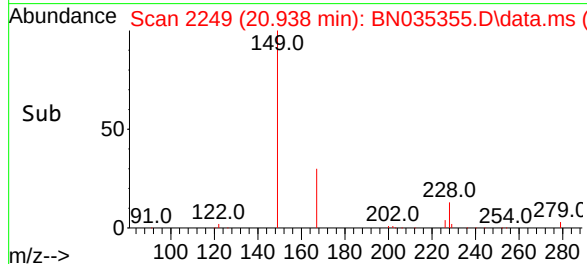
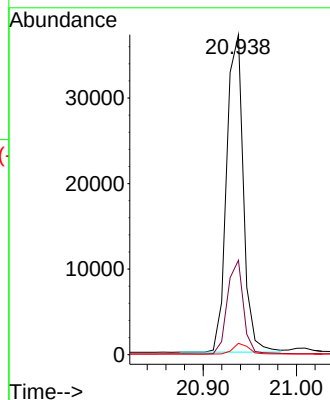
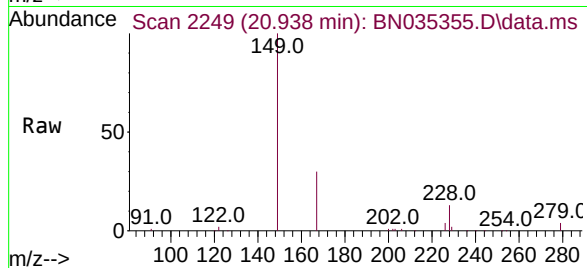




#34
Bis(2-ethylhexyl)phthalate
Concen: 2.259 ng
RT: 20.938 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

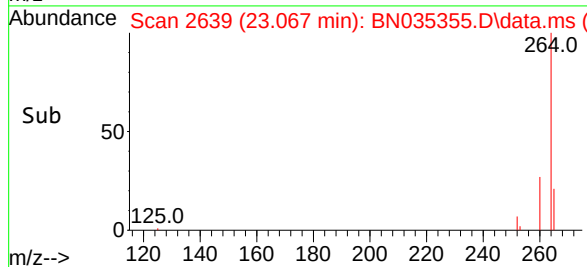
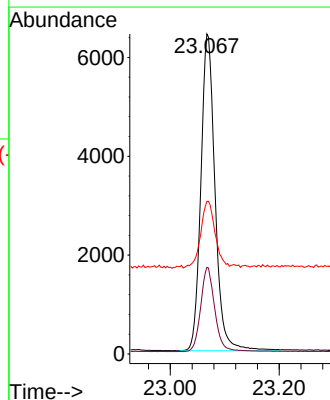
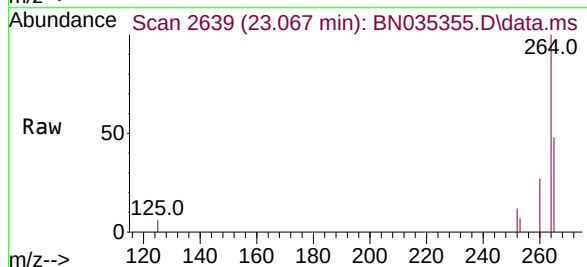
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

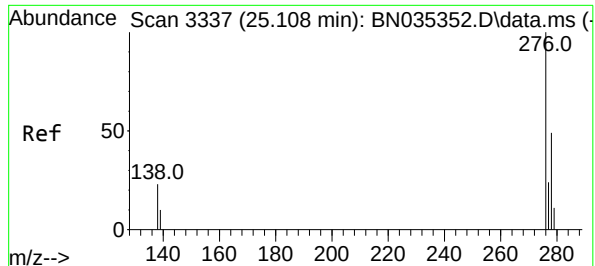
Tgt Ion:149 Resp: 46251
Ion Ratio Lower Upper
149 100
167 28.3 22.2 33.4
279 3.2 2.7 4.1



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2639
Delta R.T. -0.000 min
Lab File: BN035355.D
Acq: 27 Nov 2024 18:33

Tgt Ion:264 Resp: 11643
Ion Ratio Lower Upper
264 100
260 27.1 21.4 32.2
265 47.7 40.2 60.4





#36

Indeno(1,2,3-cd)pyrene

Concen: 3.239 ng

RT: 25.108 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN035355.D

Acq: 27 Nov 2024 18:33

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

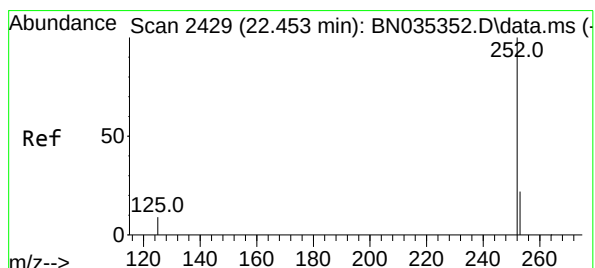
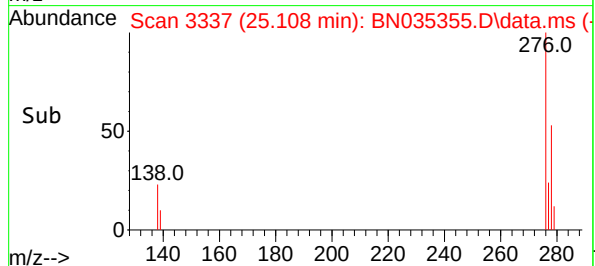
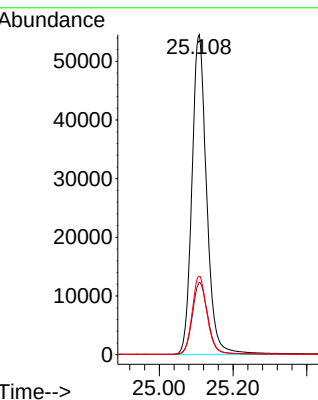
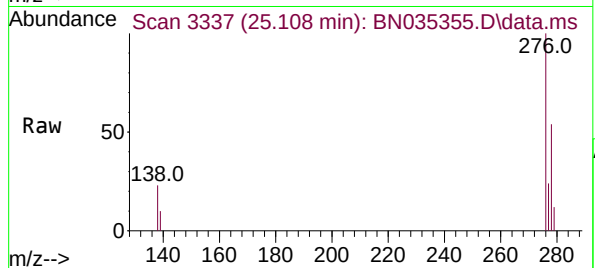
Tgt Ion:276 Resp: 150433

Ion Ratio Lower Upper

276 100

138 23.7 19.4 29.0

277 24.9 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 3.478 ng

RT: 22.456 min Scan# 2430

Delta R.T. 0.003 min

Lab File: BN035355.D

Acq: 27 Nov 2024 18:33

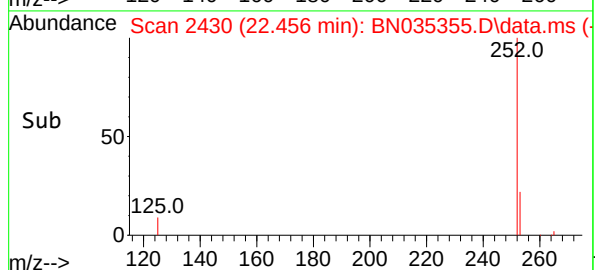
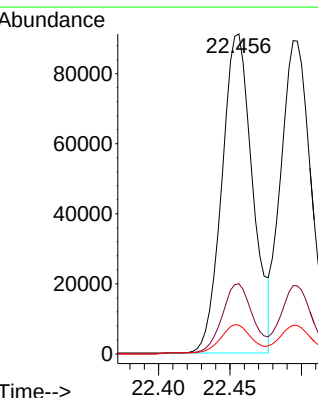
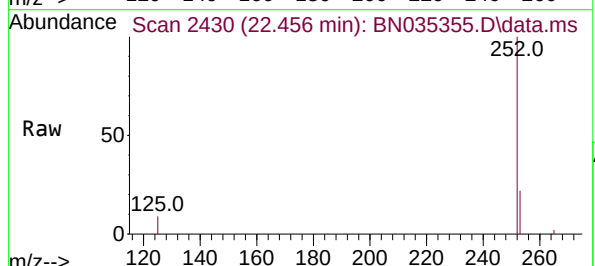
Tgt Ion:252 Resp: 136261

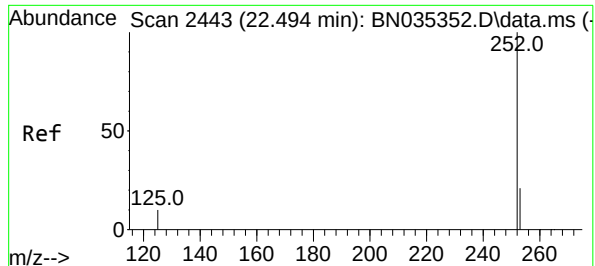
Ion Ratio Lower Upper

252 100

253 22.0 19.6 29.4

125 9.0 9.6 14.4#





#38

Benzo(k)fluoranthene

Concen: 3.439 ng

RT: 22.494 min Scan# 2443

Delta R.T. -0.000 min

Lab File: BN035355.D

Acq: 27 Nov 2024 18:33

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

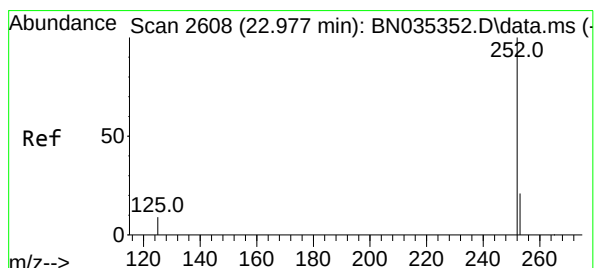
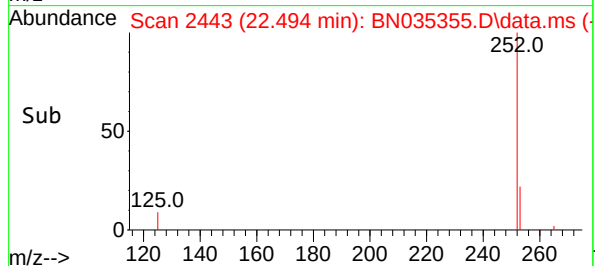
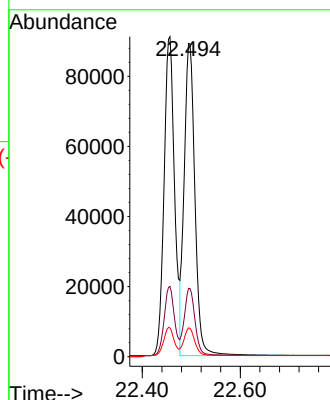
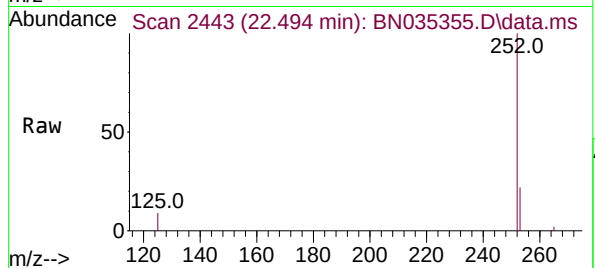
Tgt Ion:252 Resp: 134789

Ion Ratio Lower Upper

252 100

253 21.8 19.5 29.3

125 9.2 10.2 15.4#



#39

Benzo(a)pyrene

Concen: 3.328 ng

RT: 22.980 min Scan# 2609

Delta R.T. 0.003 min

Lab File: BN035355.D

Acq: 27 Nov 2024 18:33

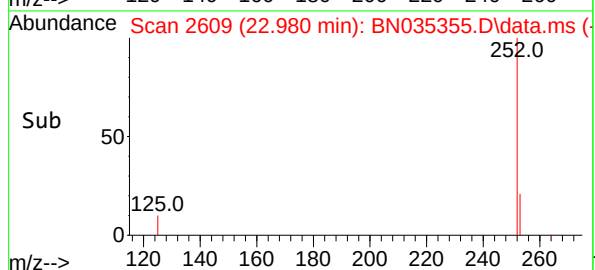
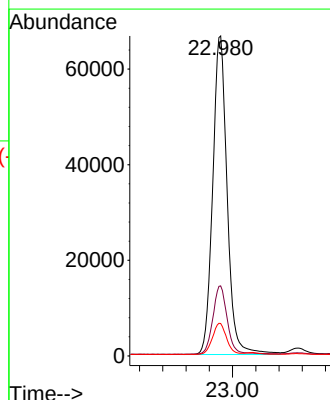
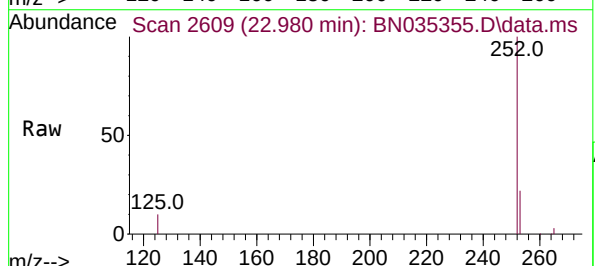
Tgt Ion:252 Resp: 114719

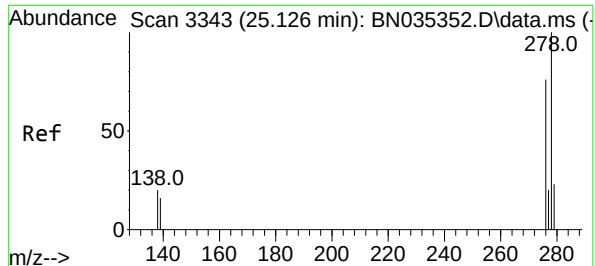
Ion Ratio Lower Upper

252 100

253 21.9 20.2 30.4

125 10.1 10.9 16.3#





#40

Dibenzo(a,h)anthracene

Concen: 3.240 ng

RT: 25.123 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN035355.D

Acq: 27 Nov 2024 18:33

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

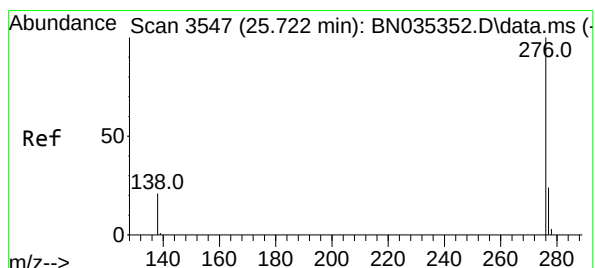
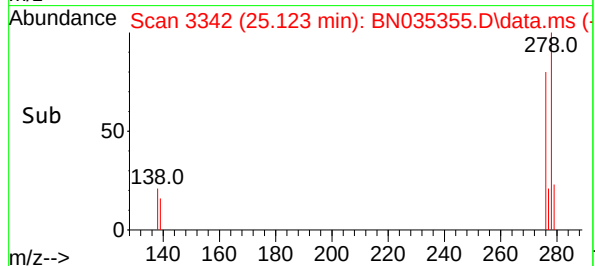
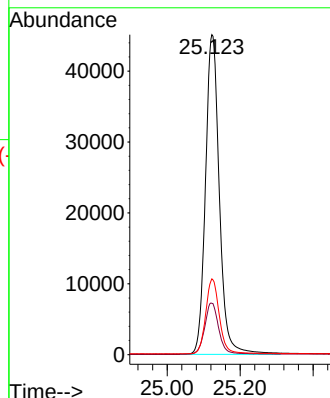
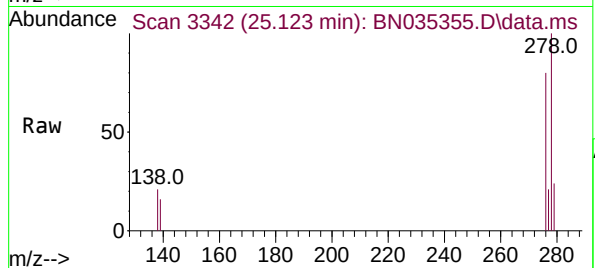
Tgt Ion:278 Resp: 119216

Ion Ratio Lower Upper

278 100

139 16.1 14.2 21.4

279 23.7 20.5 30.7



#41

Benzo(g,h,i)perylene

Concen: 3.164 ng

RT: 25.722 min Scan# 3547

Delta R.T. -0.000 min

Lab File: BN035355.D

Acq: 27 Nov 2024 18:33

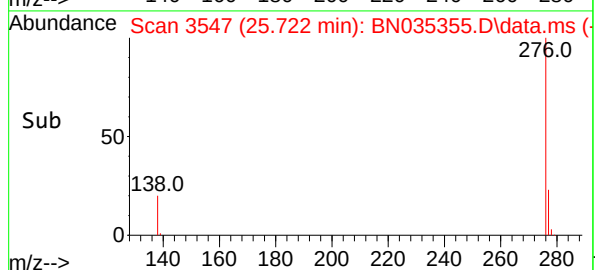
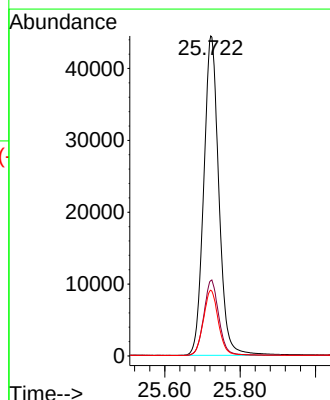
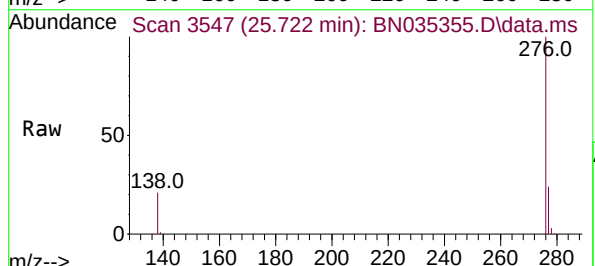
Tgt Ion:276 Resp: 123841

Ion Ratio Lower Upper

276 100

277 23.6 19.9 29.9

138 20.6 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035356.D
 Acq On : 27 Nov 2024 19:09
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Quant Time: Nov 27 22:54:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 22:48:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

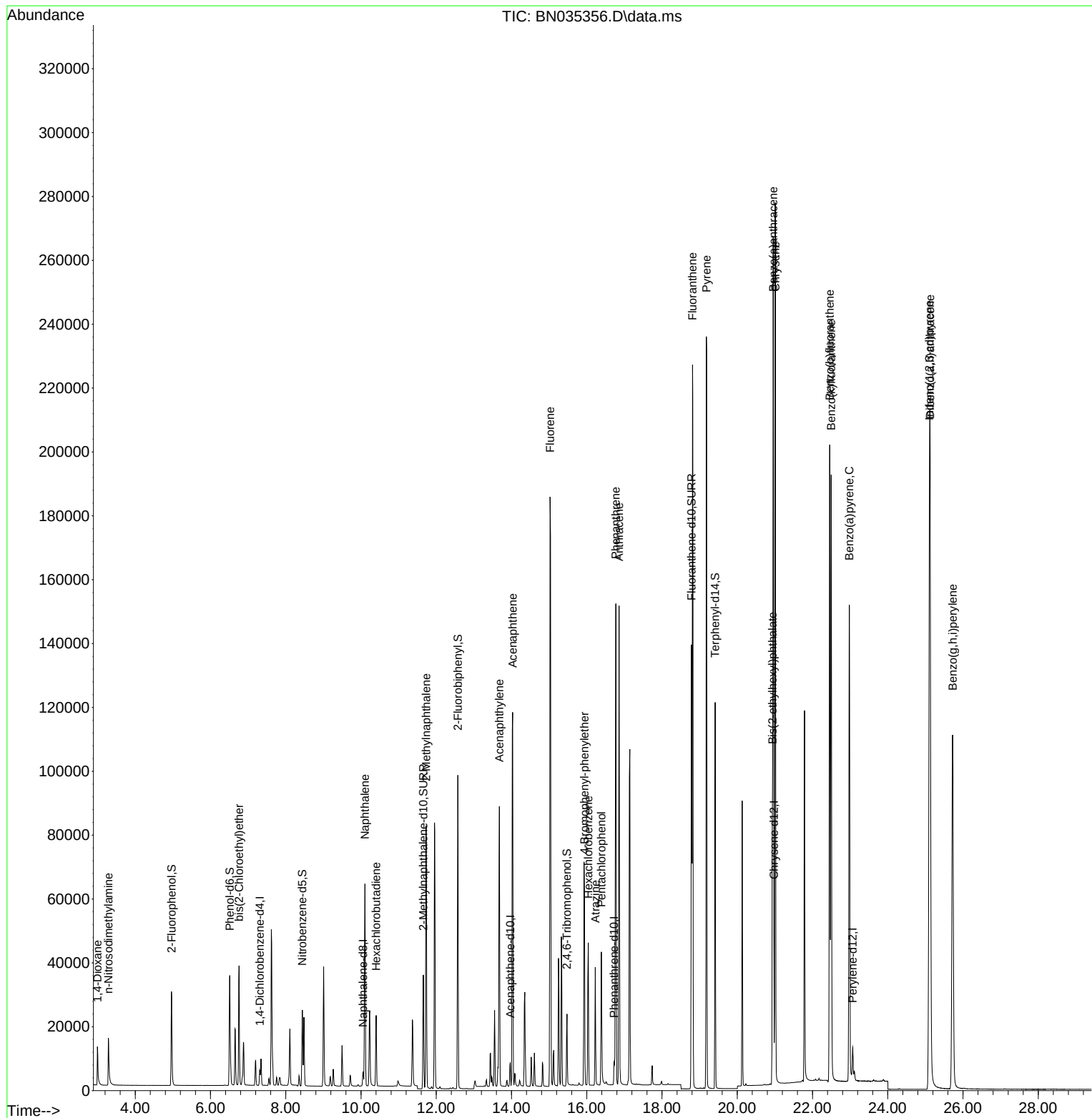
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2249	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5807	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	4363	0.400	ng	0.00
19) Phenanthrene-d10	16.723	188	10479	0.400	ng	#-0.01
29) Chrysene-d12	20.974	240	11520	0.400	ng	0.00
35) Perylene-d12	23.067	264	12000	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	26472	4.637	ng	0.00
5) Phenol-d6	6.513	99	34560	4.828	ng	0.00
8) Nitrobenzene-d5	8.440	82	18911	3.741	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	47612	4.601	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	17905	5.689	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	82401	4.650	ng	0.00
27) Fluoranthene-d10	18.785	212	152416	4.748	ng	0.00
31) Terphenyl-d14	19.412	244	110737	4.581	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.996	88	9786	4.790	ng	99
3) n-Nitrosodimethylamine	3.285	42	8681	4.560	ng	# 96
6) bis(2-Chloroethyl)ether	6.759	93	27872	5.187	ng	99
9) Naphthalene	10.105	128	77668	5.123	ng	97
10) Hexachlorobutadiene	10.404	225	17273	3.887	ng	# 100
12) 2-Methylnaphthalene	11.732	142	57698	5.158	ng	98
16) Acenaphthylene	13.679	152	97129	5.209	ng	99
17) Acenaphthene	14.031	154	62170	5.088	ng	98
18) Fluorene	15.026	166	88648	4.932	ng	99
21) 4-Bromophenyl-phenylether	15.941	248	31947	4.785	ng	# 94
22) Hexachlorobenzene	16.040	284	36315	5.241	ng	100
23) Atrazine	16.227	200	25034	4.179	ng	96
24) Pentachlorophenol	16.388	266	19691	6.083	ng	86
25) Phenanthrene	16.773	178	147357	5.343	ng	100
26) Anthracene	16.860	178	139399	5.503	ng	99
28) Fluoranthene	18.812	202	199850	5.270	ng	99
30) Pyrene	19.179	202	206018	5.370	ng	100
32) Benzo(a)anthracene	20.956	228	205712	5.128	ng	99
33) Chrysene	21.009	228	204475	5.146	ng	99
34) Bis(2-ethylhexyl)phtha...	20.938	149	78322	3.721	ng	99
36) Indeno(1,2,3-cd)pyrene	25.108	276	252709	5.279	ng	99
37) Benzo(b)fluoranthene	22.456	252	241201	5.974	ng	# 94
38) Benzo(k)fluoranthene	22.497	252	220146	5.449	ng	# 93
39) Benzo(a)pyrene	22.977	252	190665	5.367	ng	# 92
40) Dibenzo(a,h)anthracene	25.126	278	199852	5.269	ng	96
41) Benzo(g,h,i)perylene	25.725	276	209119	5.183	ng	97

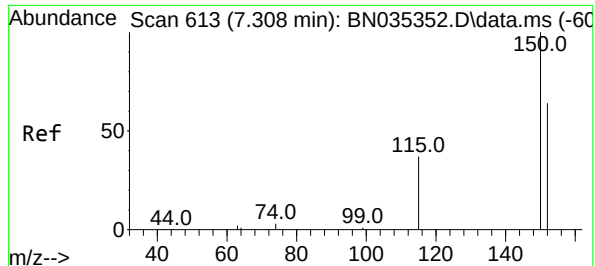
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN035356.D
Acq On : 27 Nov 2024 19:09
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

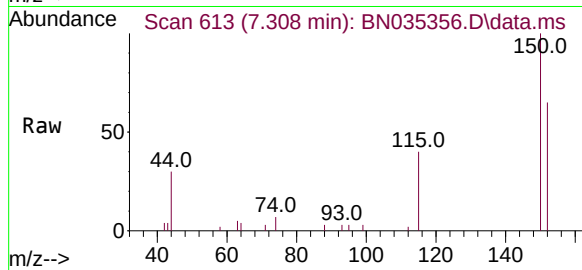
Quant Time: Nov 27 22:54:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration



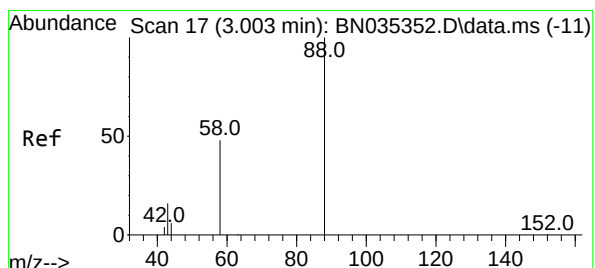
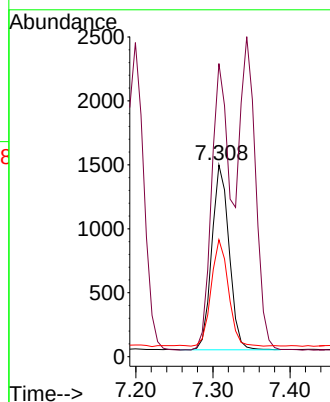
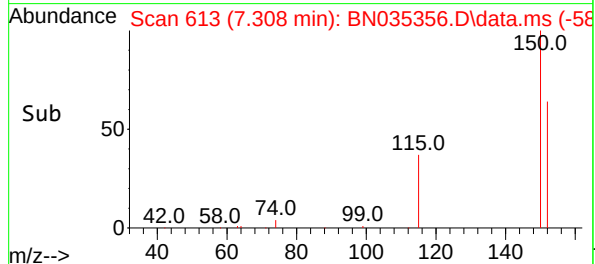


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

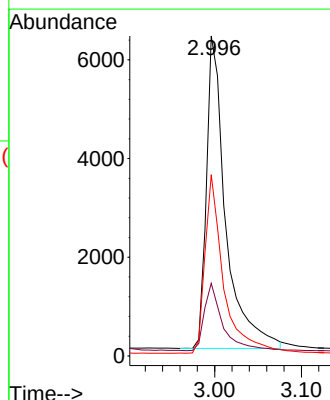
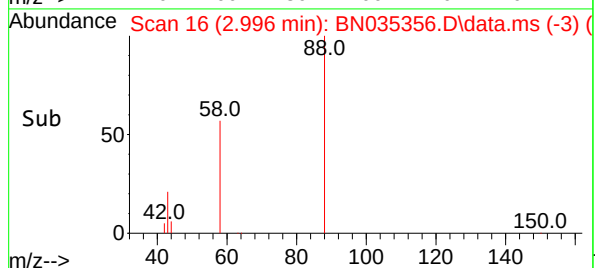
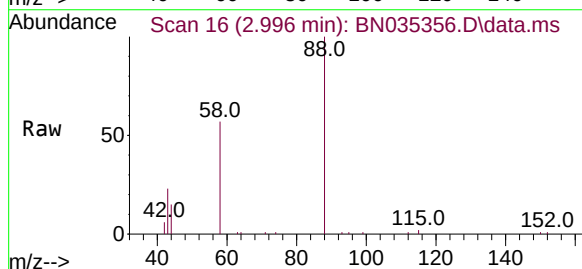


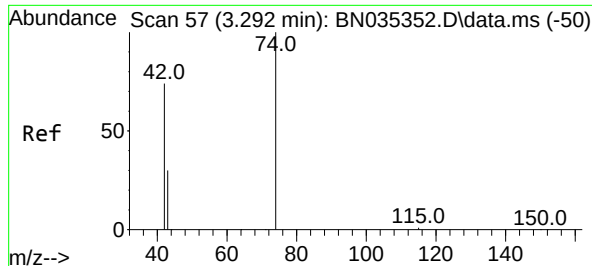
Tgt Ion:152 Resp: 2249
Ion Ratio Lower Upper
152 100
150 152.9 124.0 186.0
115 61.0 49.6 74.4



#2
1,4-Dioxane
Concen: 4.790 ng
RT: 2.996 min Scan# 16
Delta R.T. -0.007 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion: 88 Resp: 9786
Ion Ratio Lower Upper
88 100
43 20.5 17.2 25.8
58 54.8 44.5 66.7

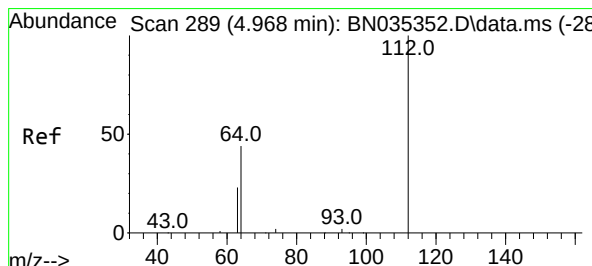
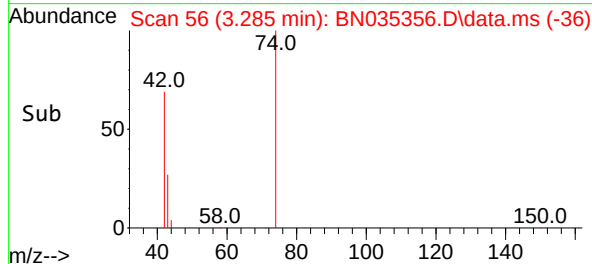
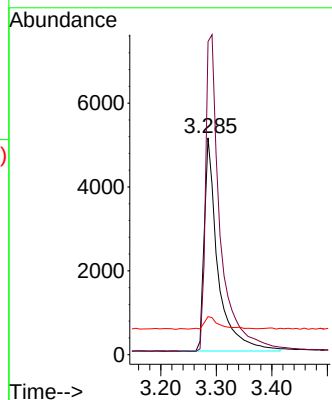
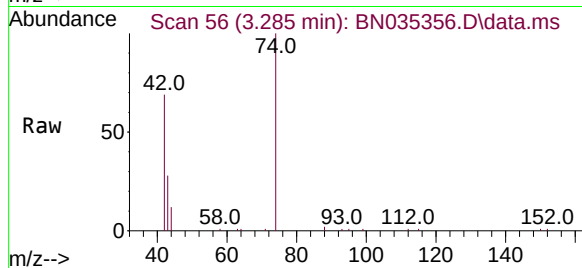




#3
n-Nitrosodimethylamine
Concen: 4.560 ng
RT: 3.285 min Scan# 50
Delta R.T. -0.007 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

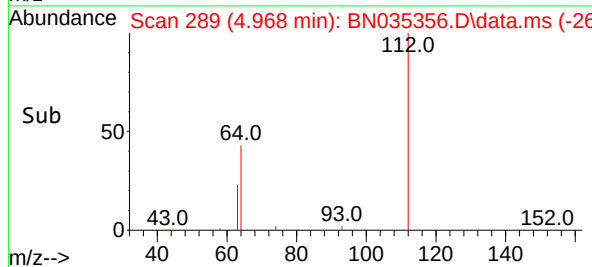
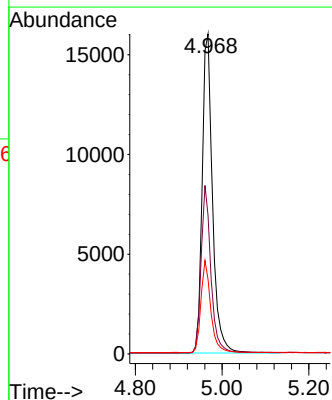
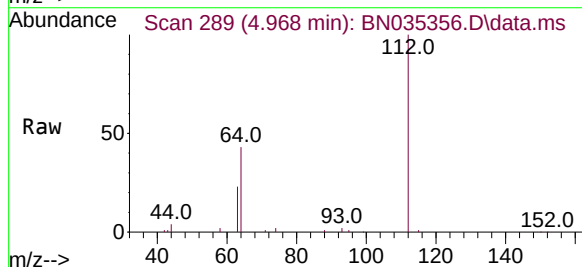
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ClientSampleId :
SSTDICC5.0

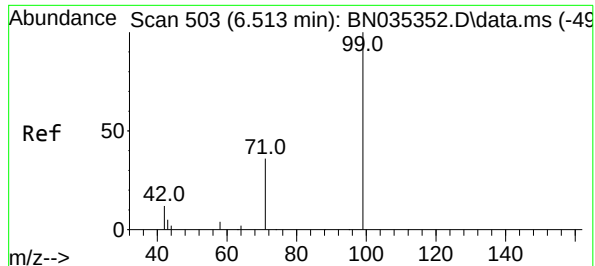
Tgt Ion: 42 Resp: 8681
Ion Ratio Lower Upper
42 100
74 161.2 124.9 187.3
44 6.7 2.2 3.4#



#4
2-Fluorophenol
Concen: 4.637 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion: 112 Resp: 26472
Ion Ratio Lower Upper
112 100
64 50.0 39.8 59.8
63 27.4 21.0 31.6

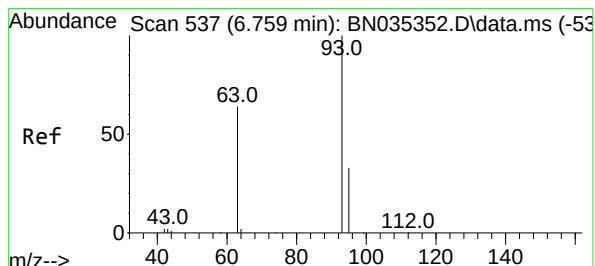
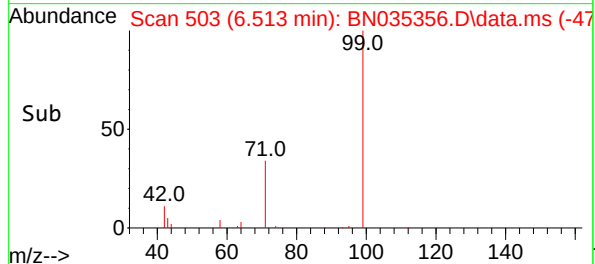
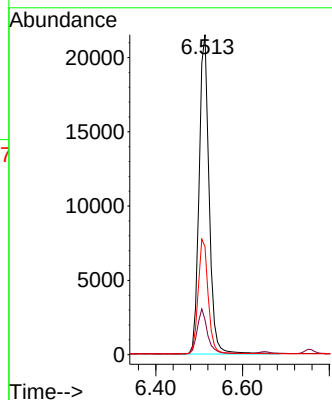
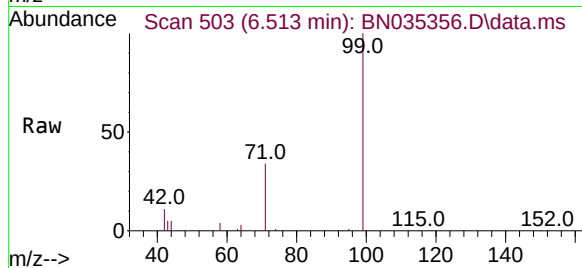




#5
Phenol-d6
Concen: 4.828 ng
RT: 6.513 min Scan# 503
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

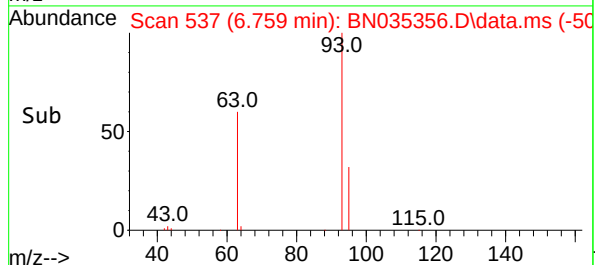
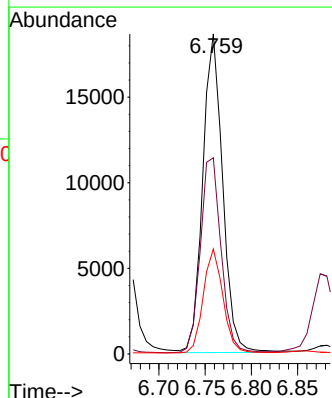
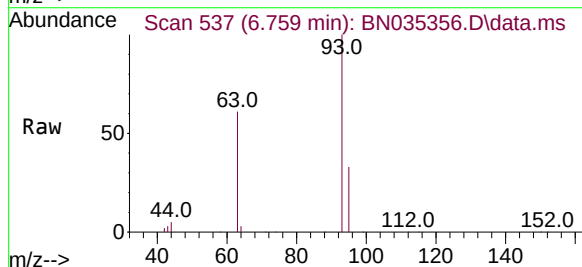
Instrument :
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ClientSampleId :
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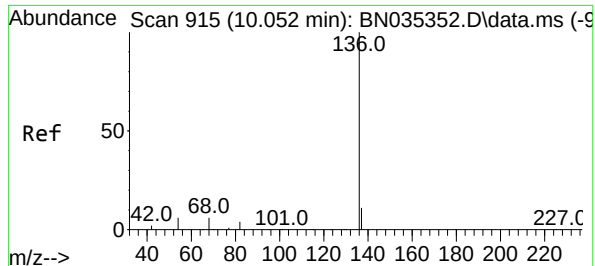
Tgt Ion: 99 Resp: 34560
Ion Ratio Lower Upper
99 100
42 14.1 11.4 17.2
71 36.4 29.3 43.9



#6
bis(2-Chloroethyl)ether
Concen: 5.187 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion: 93 Resp: 27872
Ion Ratio Lower Upper
93 100
63 63.7 50.4 75.6
95 32.1 25.7 38.5

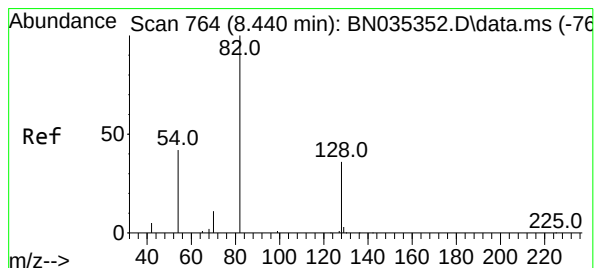
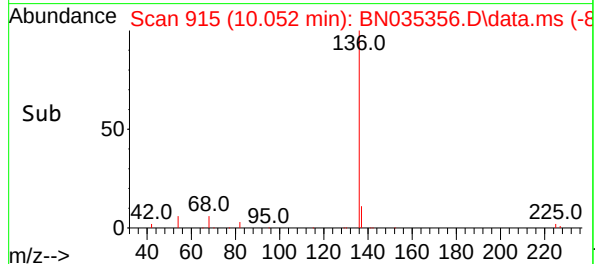
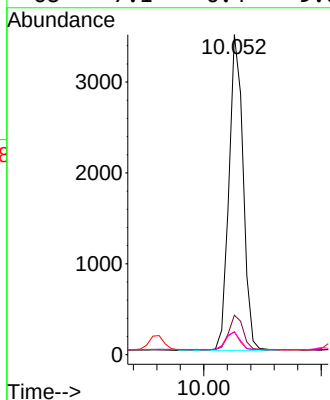
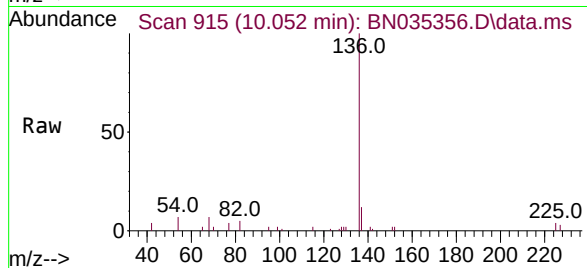




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

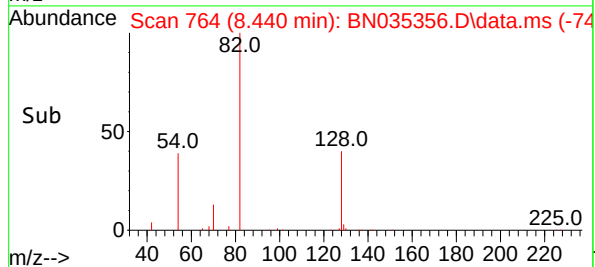
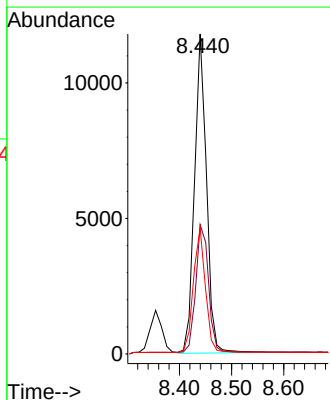
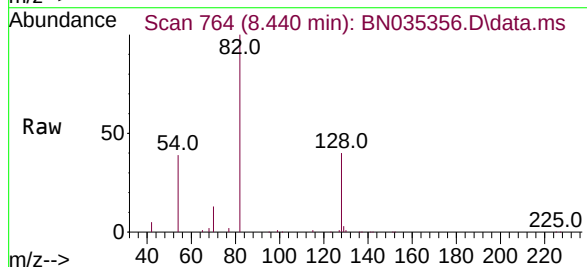
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

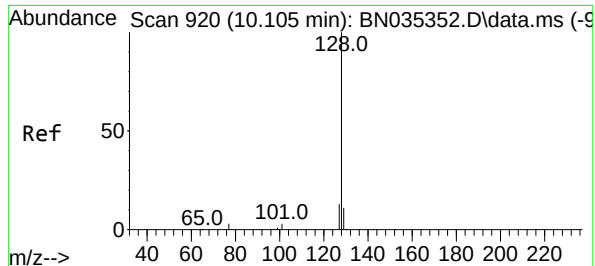
Tgt Ion:	136	Resp:	5807
Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.2	15.2
54	7.1	6.1	9.1
68	7.1	6.4	9.6



#8
Nitrobenzene-d5
Concen: 3.741 ng
RT: 8.440 min Scan# 764
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:	82	Resp:	18911
Ion	Ratio	Lower	Upper
82	100		
128	40.4	33.4	50.0
54	39.4	36.7	55.1

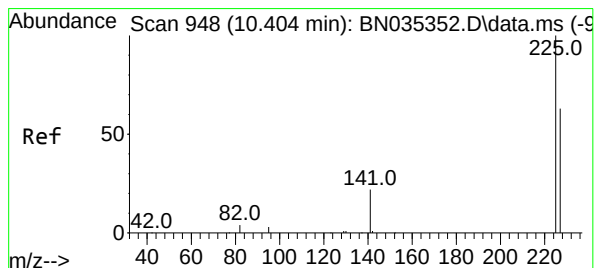
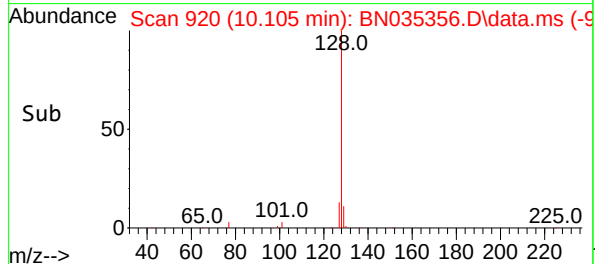
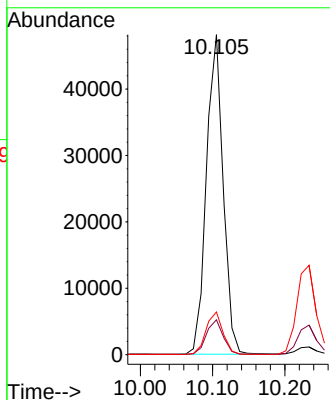
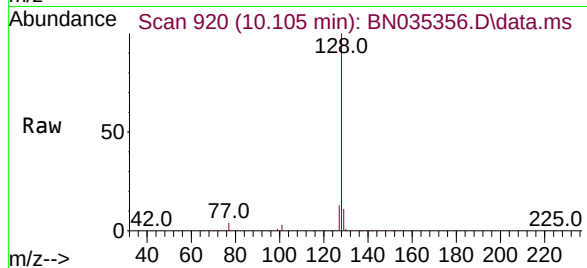




#9
Naphthalene
Concen: 5.123 ng
RT: 10.105 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

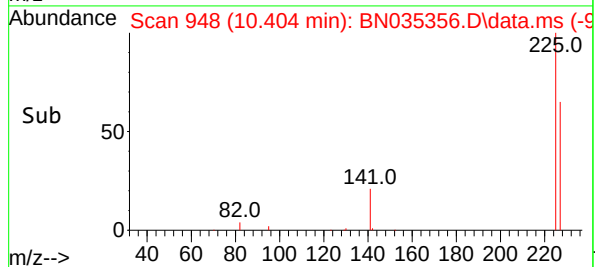
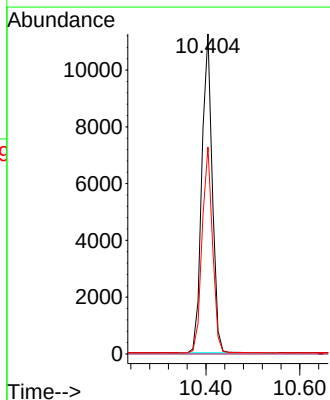
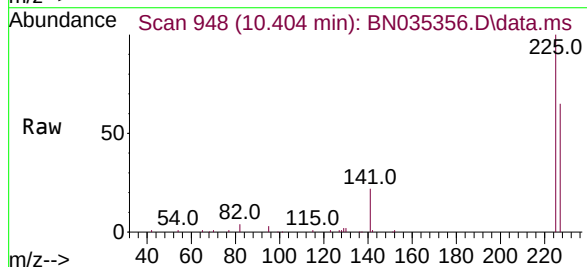
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

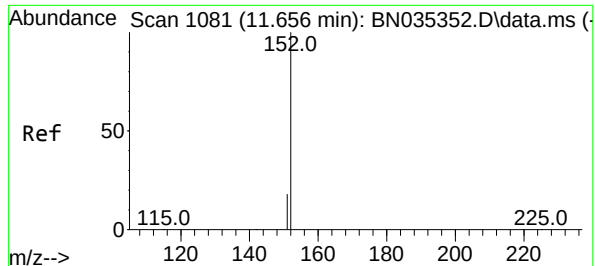
Tgt Ion:128 Resp: 77668
Ion Ratio Lower Upper
128 100
129 10.9 9.8 14.6
127 13.4 11.4 17.2



#10
Hexachlorobutadiene
Concen: 3.887 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:225 Resp: 17273
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.2 51.3 76.9

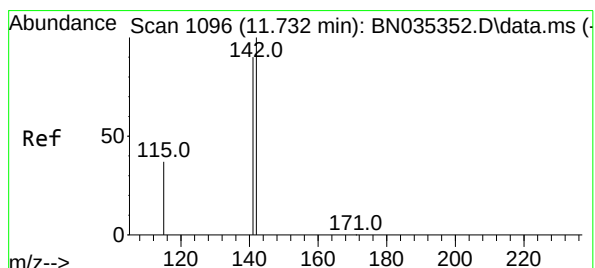
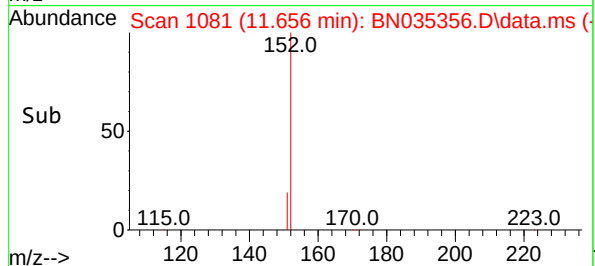
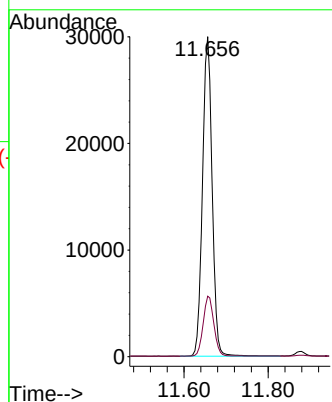
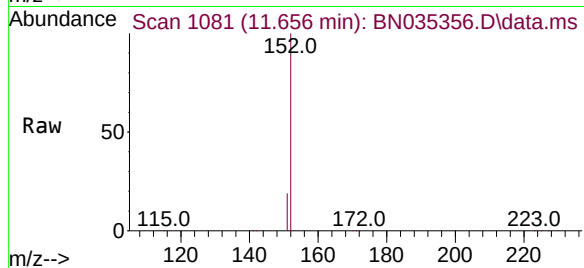




#11
2-Methylnaphthalene-d10
Concen: 4.601 ng
RT: 11.656 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

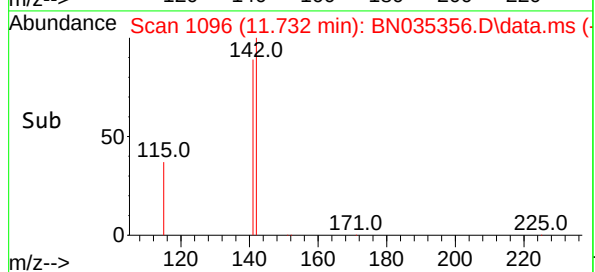
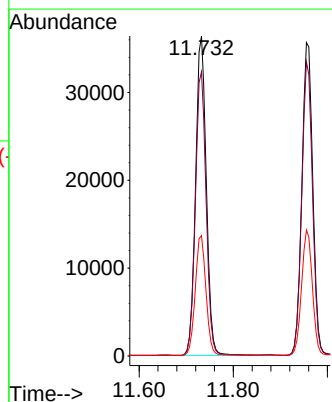
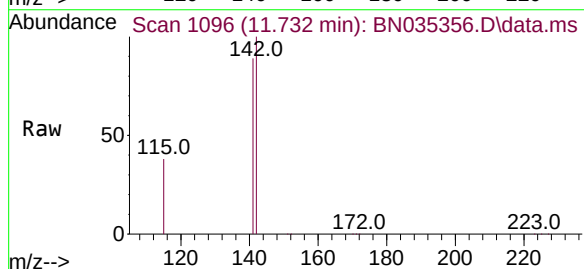
Instrument :
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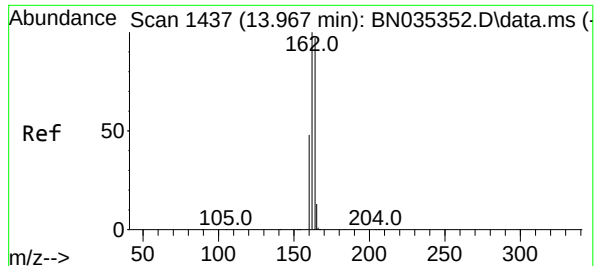
Tgt Ion:152 Resp: 47612
Ion Ratio Lower Upper
152 100
151 20.8 16.6 25.0



#12
2-Methylnaphthalene
Concen: 5.158 ng
RT: 11.732 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:142 Resp: 57698
Ion Ratio Lower Upper
142 100
141 88.8 72.2 108.4
115 37.6 31.4 47.0

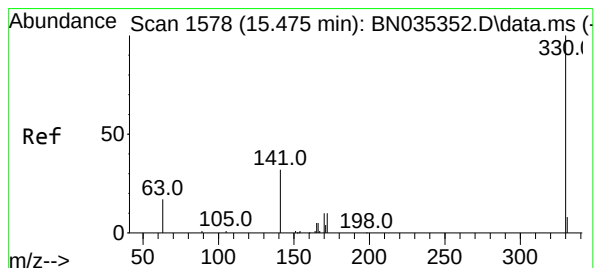
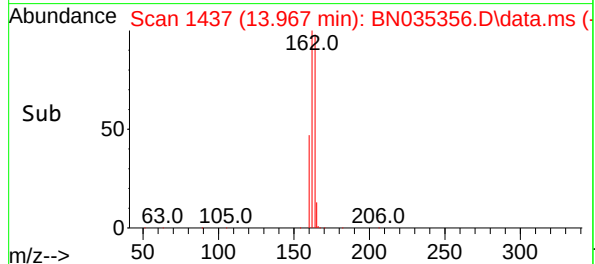
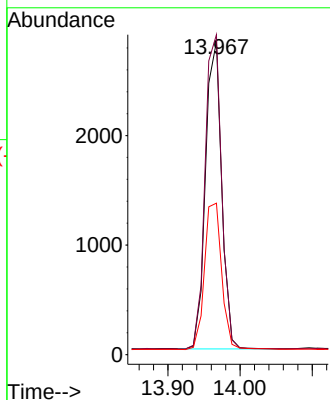
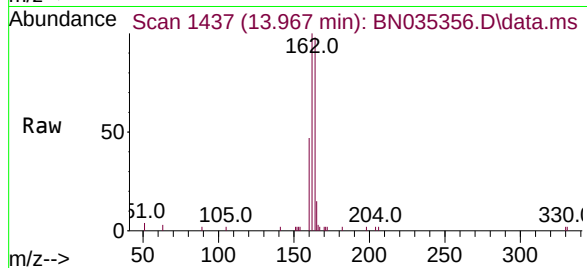




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

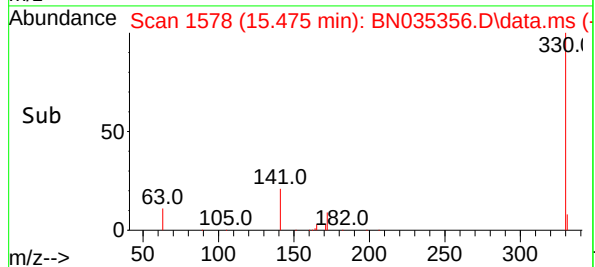
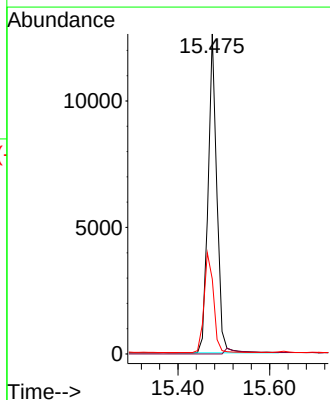
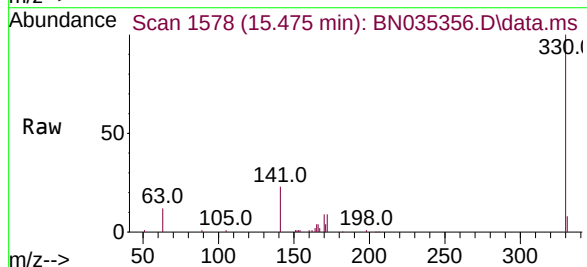
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

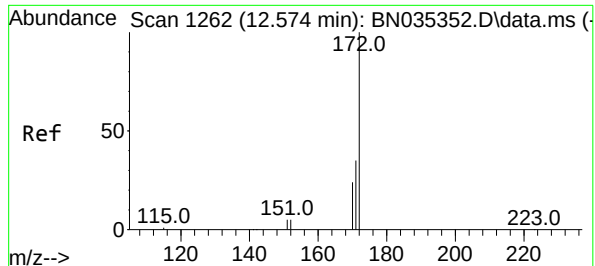
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.2
160	48.4	40.1	60.1



#14
2,4,6-Tribromophenol
Concen: 5.689 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.4	26.6	40.0

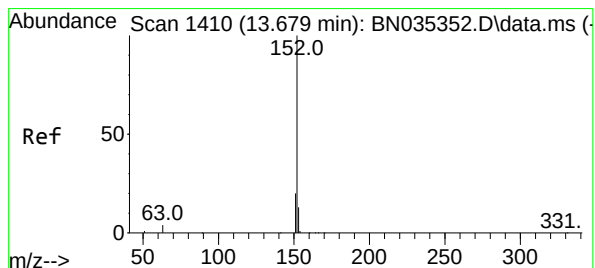
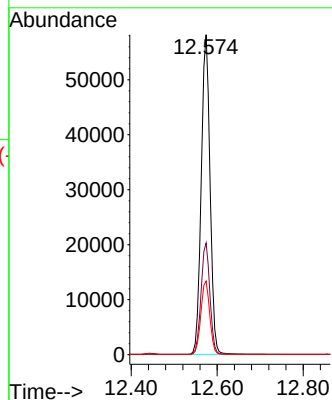
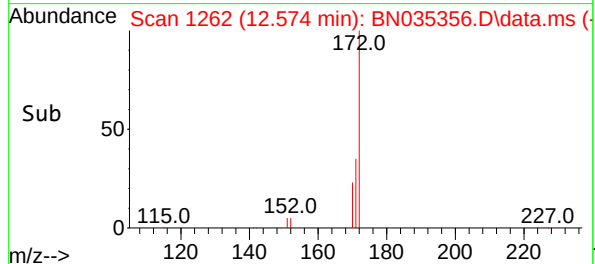
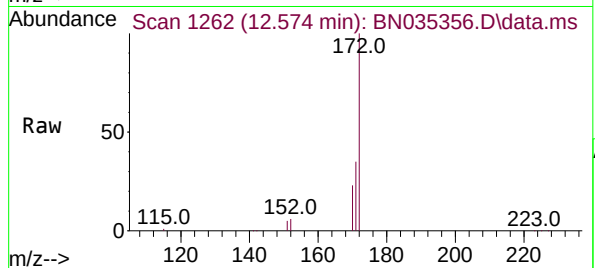




#15
2-Fluorobiphenyl
Concen: 4.650 ng
RT: 12.574 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

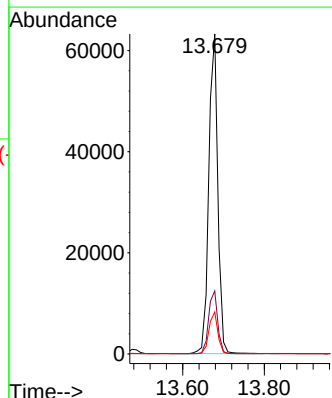
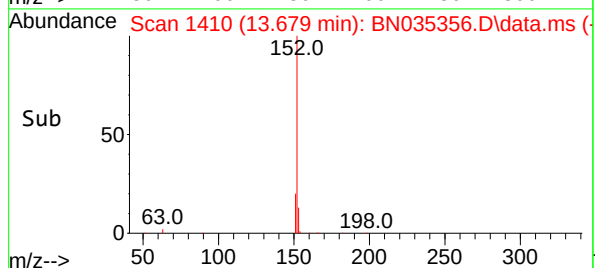
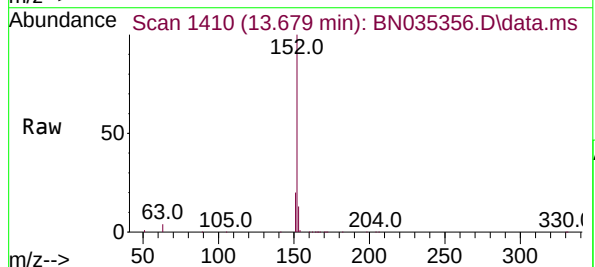
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

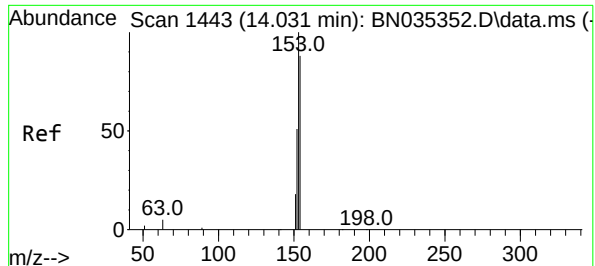
Tgt Ion:172 Resp: 82401
Ion Ratio Lower Upper
172 100
171 34.9 29.0 43.4
170 23.0 19.8 29.8



#16
Acenaphthylene
Concen: 5.209 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:152 Resp: 97129
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 12.9 10.4 15.6





#17

Acenaphthene

Concen: 5.088 ng

RT: 14.031 min Scan# 1443

Delta R.T. 0.000 min

Lab File: BN035356.D

Acq: 27 Nov 2024 19:09

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

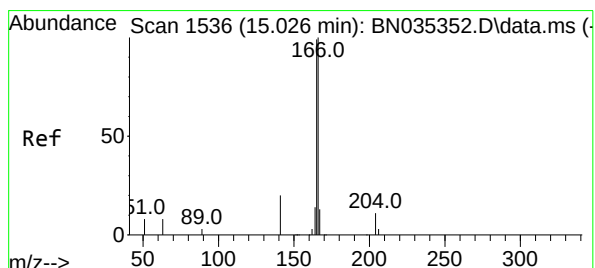
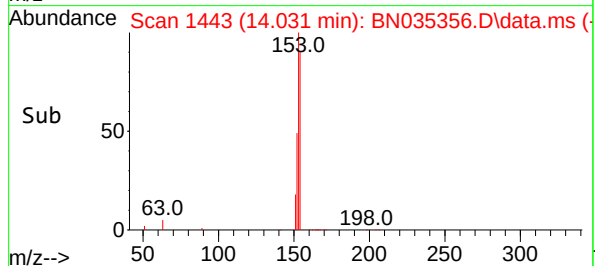
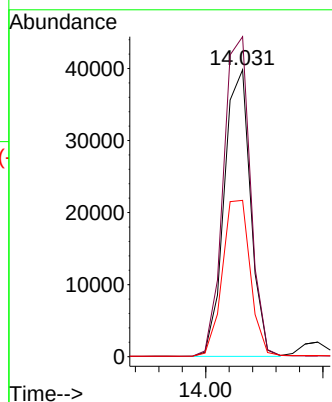
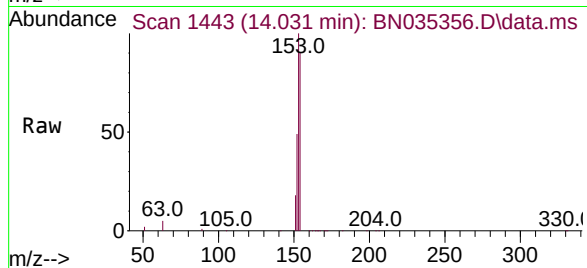
Tgt Ion:154 Resp: 62170

Ion Ratio Lower Upper

154 100

153 114.7 92.6 139.0

152 58.1 49.0 73.6



#18

Fluorene

Concen: 4.932 ng

RT: 15.026 min Scan# 1536

Delta R.T. 0.000 min

Lab File: BN035356.D

Acq: 27 Nov 2024 19:09

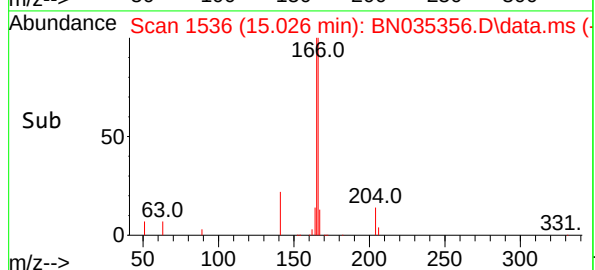
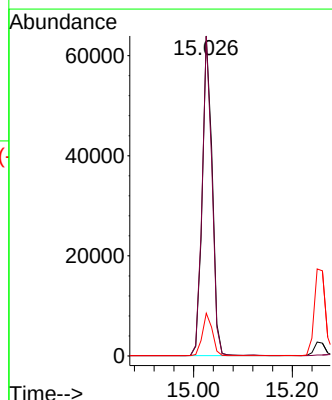
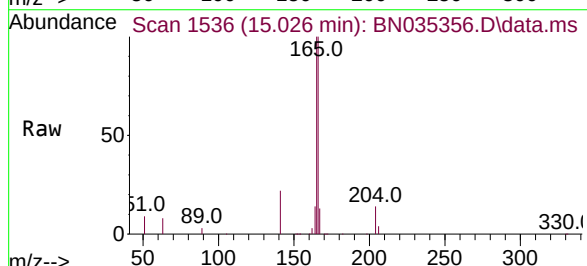
Tgt Ion:166 Resp: 88648

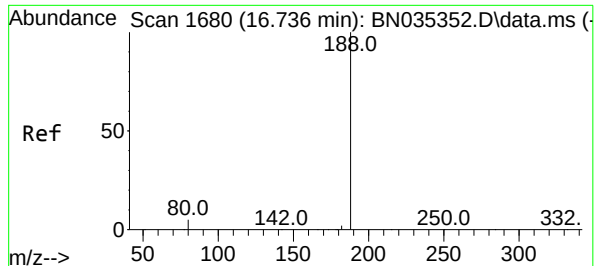
Ion Ratio Lower Upper

166 100

165 98.5 79.7 119.5

167 13.4 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.723 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN035356.D

Acq: 27 Nov 2024 19:09

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

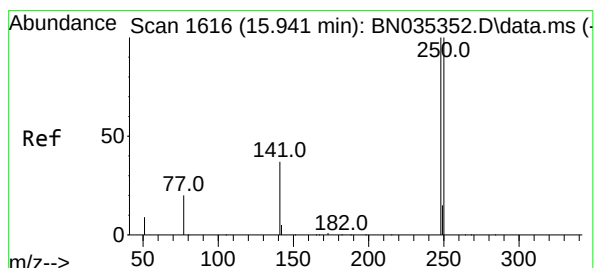
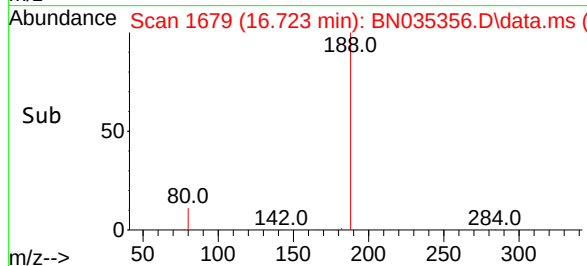
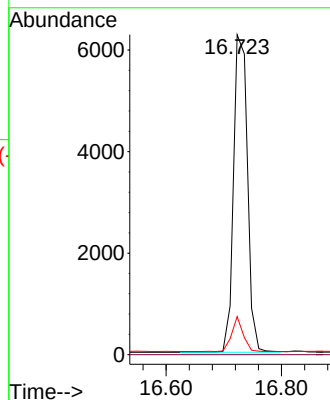
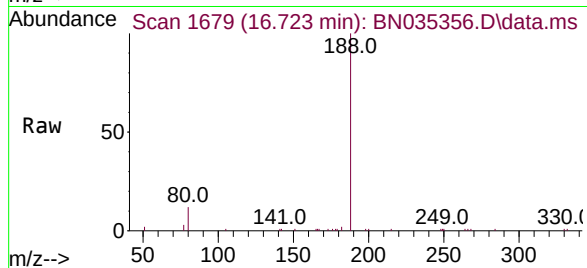
Tgt Ion:188 Resp: 10479

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.9 4.6 6.8#



#21

4-Bromophenyl-phenylether

Concen: 4.785 ng

RT: 15.941 min Scan# 1616

Delta R.T. 0.000 min

Lab File: BN035356.D

Acq: 27 Nov 2024 19:09

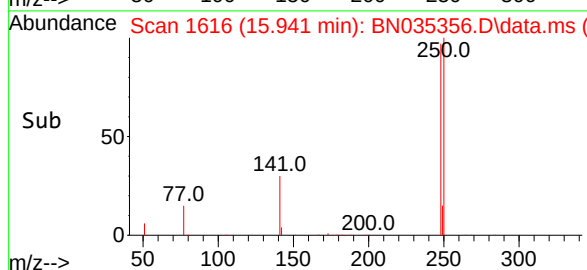
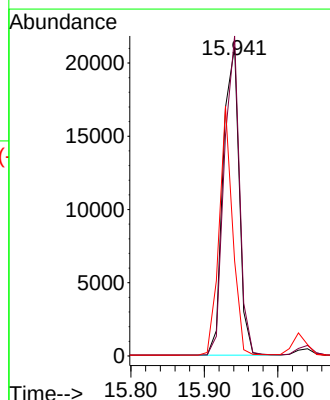
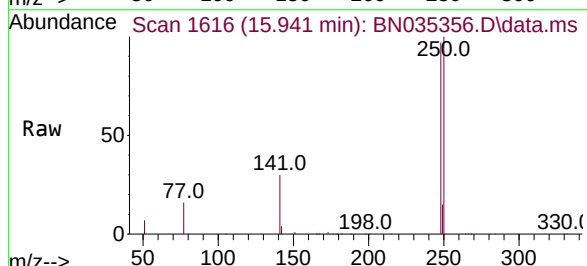
Tgt Ion:248 Resp: 31947

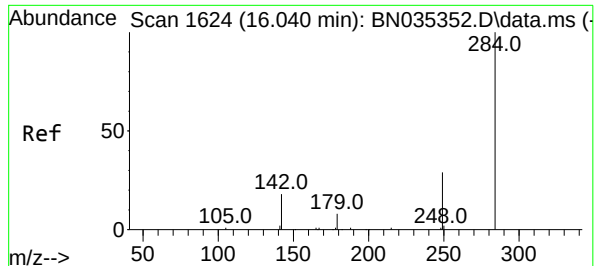
Ion Ratio Lower Upper

248 100

250 103.5 80.6 120.8

141 30.8 31.5 47.3#

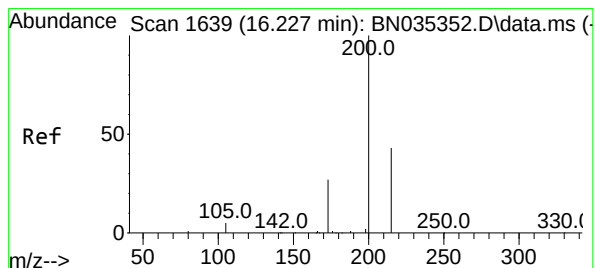
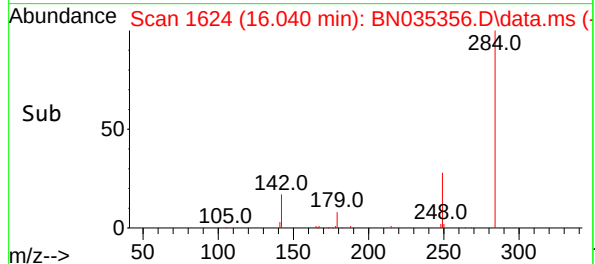
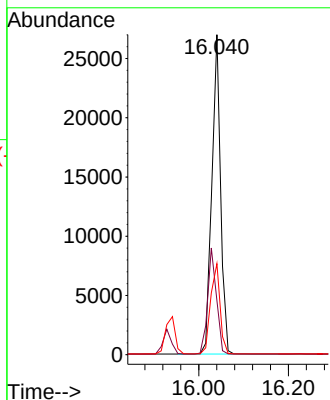
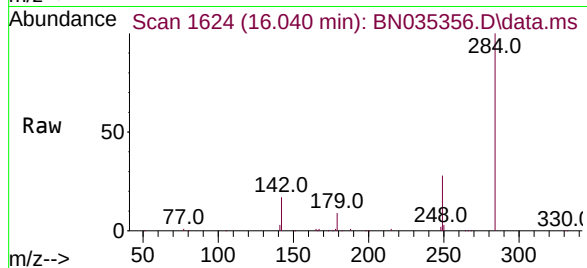




#22
Hexachlorobenzene
Concen: 5.241 ng
RT: 16.040 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

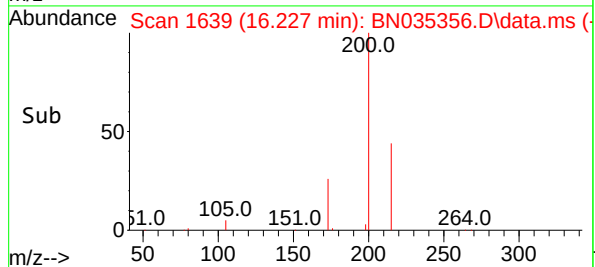
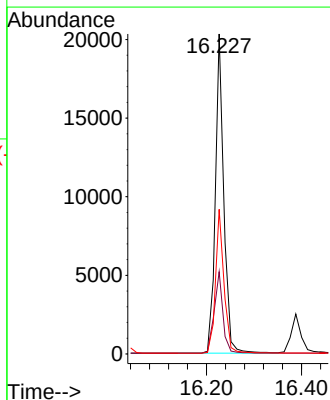
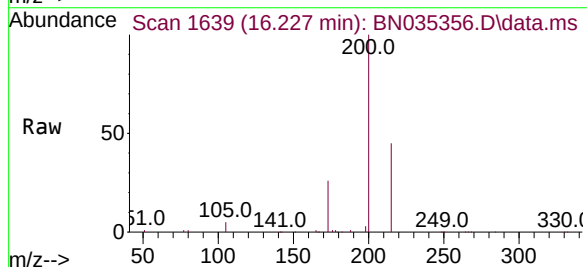
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

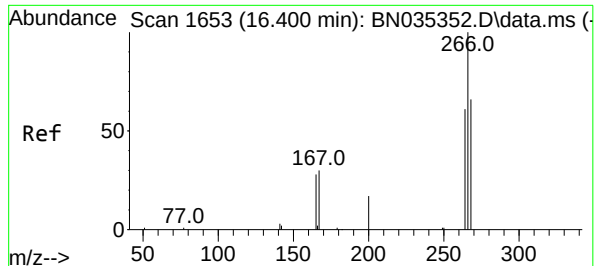
Tgt Ion:284 Resp: 36315
Ion Ratio Lower Upper
284 100
142 33.4 26.7 40.1
249 30.4 24.6 36.8



#23
Atrazine
Concen: 4.179 ng
RT: 16.227 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:200 Resp: 25034
Ion Ratio Lower Upper
200 100
173 25.7 24.1 36.1
215 45.2 36.9 55.3





#24

Pentachlorophenol

Concen: 6.083 ng

RT: 16.388 min Scan# 1652

Delta R.T. -0.012 min

Lab File: BN035356.D

Acq: 27 Nov 2024 19:09

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

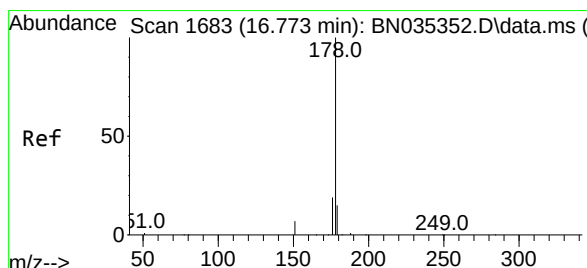
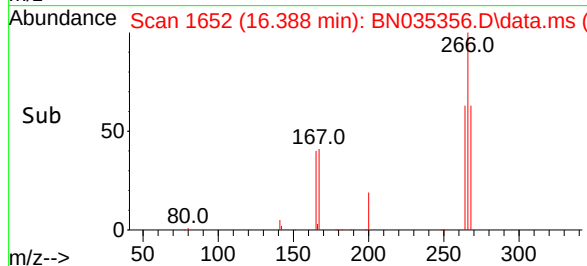
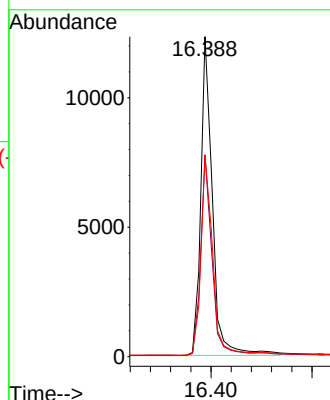
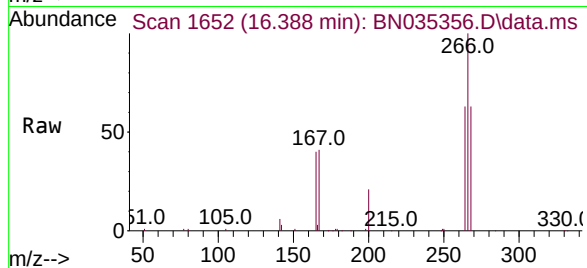
Tgt Ion:266 Resp: 19691

Ion Ratio Lower Upper

266 100

264 62.6 42.3 63.5

268 64.1 43.3 64.9



#25

Phenanthrene

Concen: 5.343 ng

RT: 16.773 min Scan# 1683

Delta R.T. 0.000 min

Lab File: BN035356.D

Acq: 27 Nov 2024 19:09

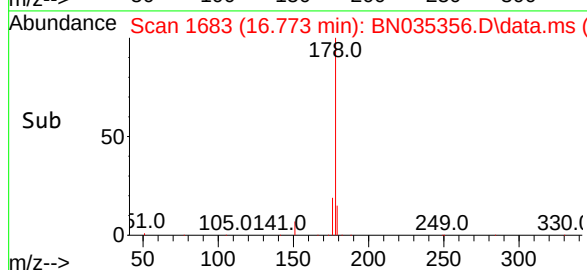
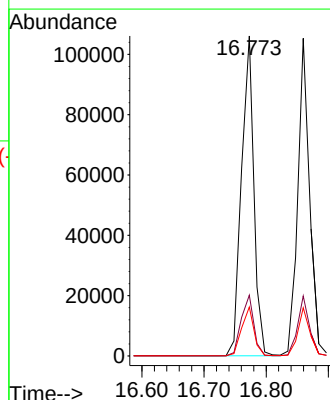
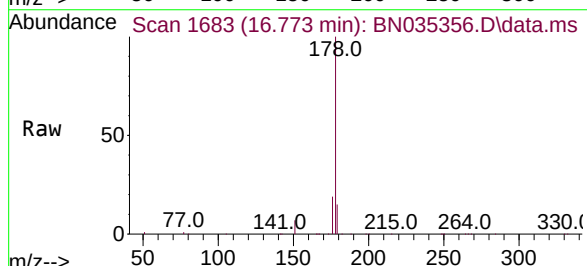
Tgt Ion:178 Resp: 147357

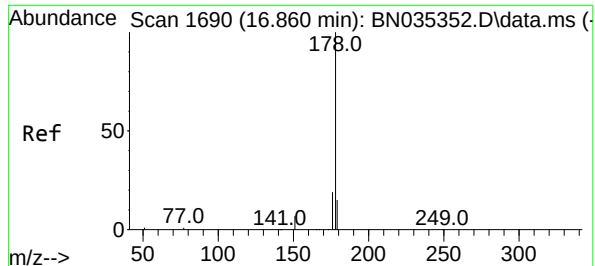
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.2 12.3 18.5

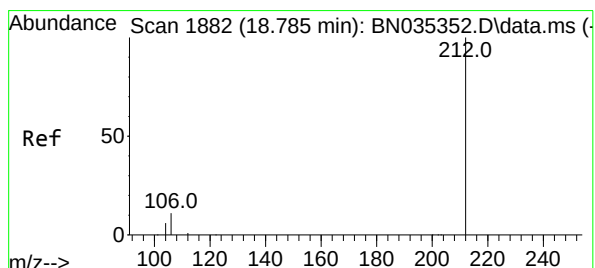
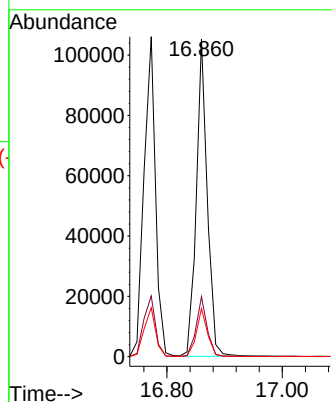
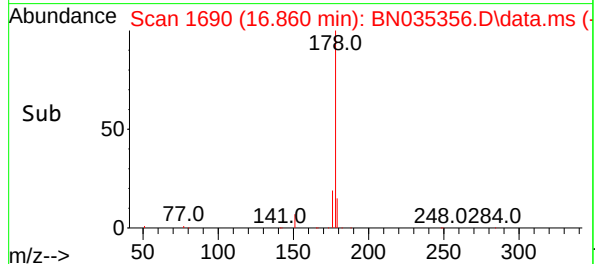
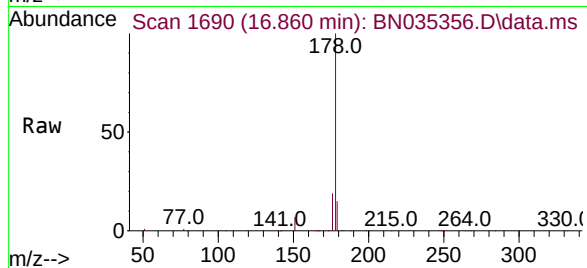




#26
Anthracene
Concen: 5.503 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

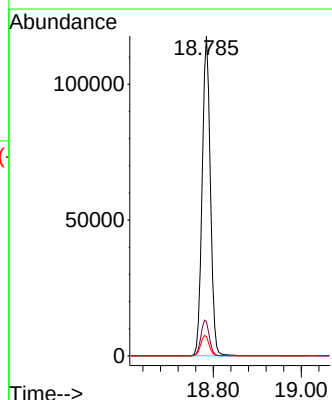
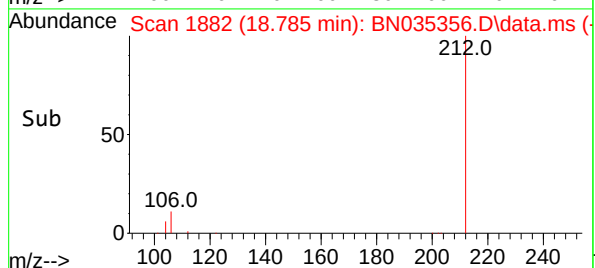
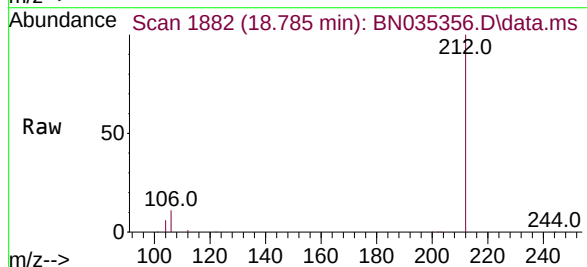
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

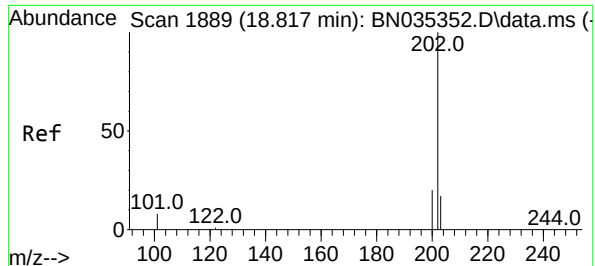
Tgt Ion:178 Resp: 139399
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.1 12.6 18.8



#27
Fluoranthene-d10
Concen: 4.748 ng
RT: 18.785 min Scan# 1882
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:212 Resp: 152416
Ion Ratio Lower Upper
212 100
106 11.5 9.2 13.8
104 6.5 5.3 7.9

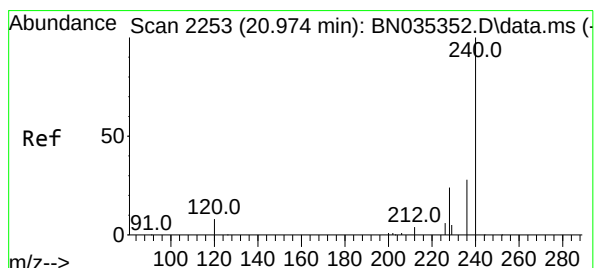
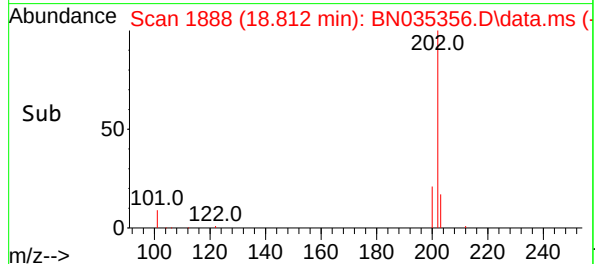
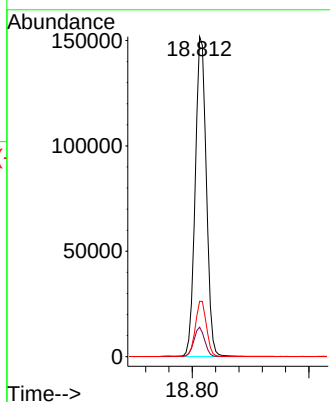
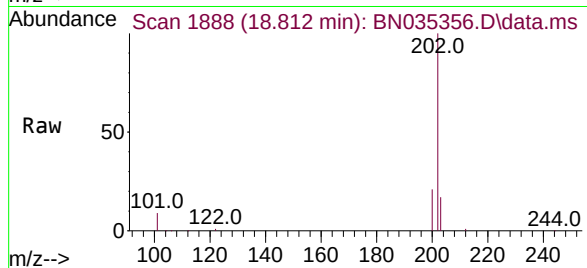




#28
Fluoranthene
Concen: 5.270 ng
RT: 18.812 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

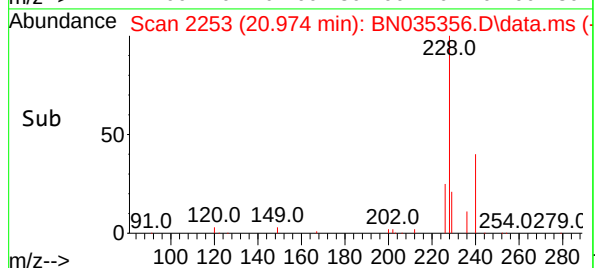
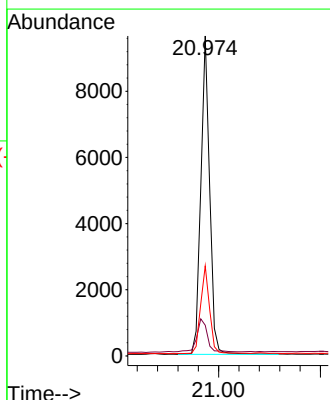
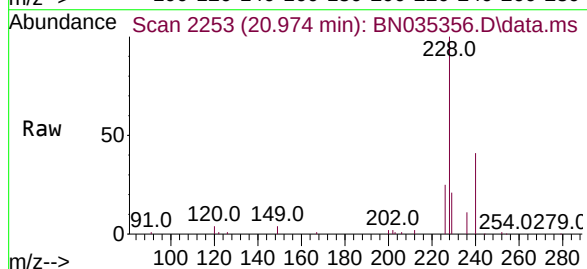
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

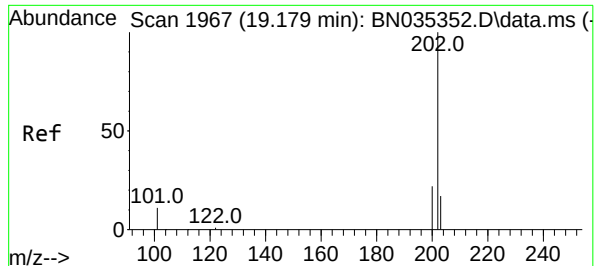
Tgt Ion:202 Resp: 199850
Ion Ratio Lower Upper
202 100
101 9.1 7.4 11.0
203 17.4 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2253
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:240 Resp: 11520
Ion Ratio Lower Upper
240 100
120 9.6 7.9 11.9
236 28.1 22.9 34.3

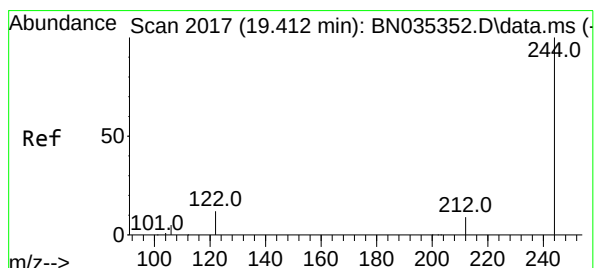
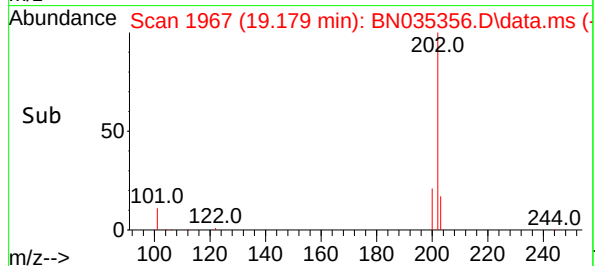
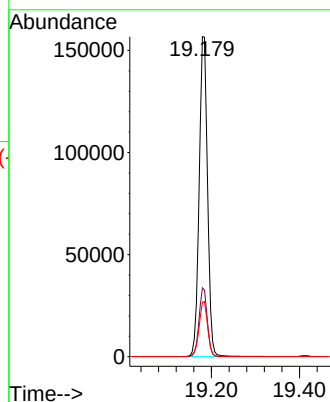
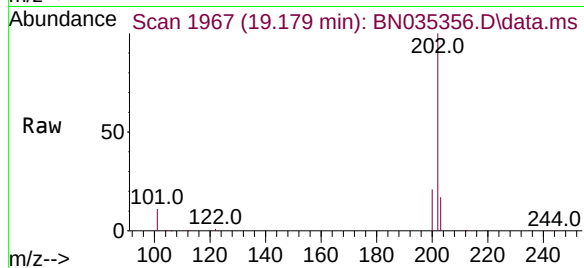




#30
Pyrene
Concen: 5.370 ng
RT: 19.179 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

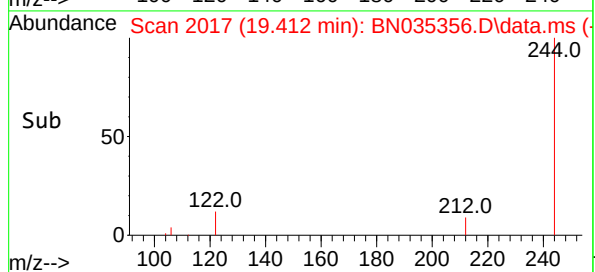
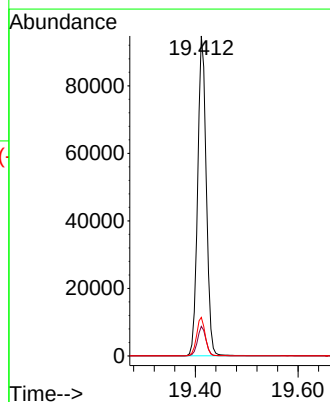
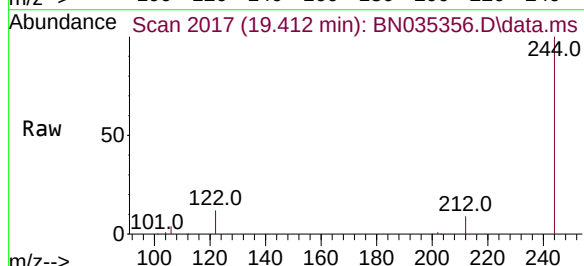
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

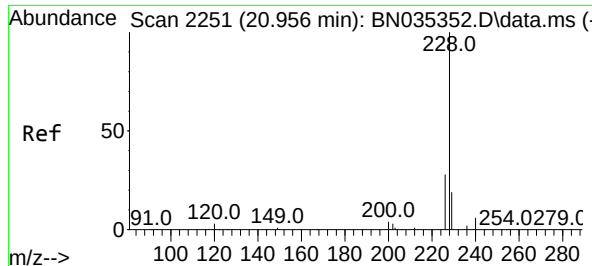
Tgt Ion:202 Resp: 206018
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.7 14.3 21.5



#31
Terphenyl-d14
Concen: 4.581 ng
RT: 19.412 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:244 Resp: 110737
Ion Ratio Lower Upper
244 100
212 9.2 8.1 12.1
122 12.1 10.3 15.5

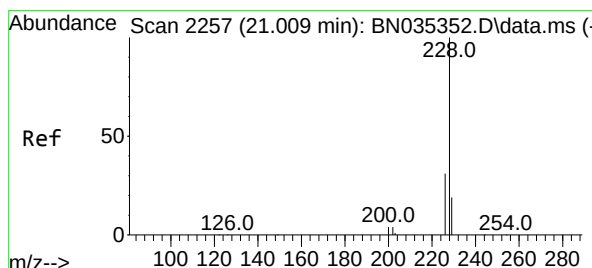
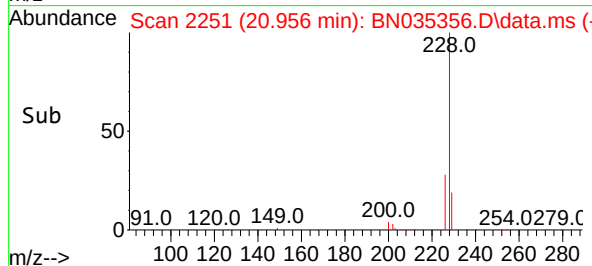
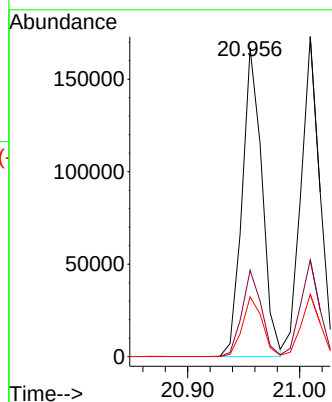
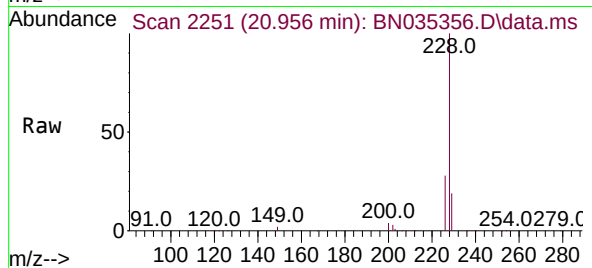




#32
Benzo(a)anthracene
Concen: 5.128 ng
RT: 20.956 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

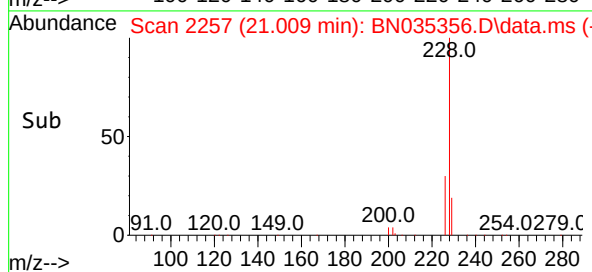
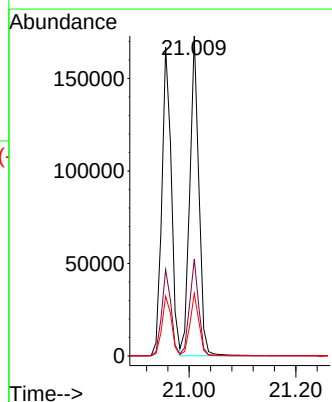
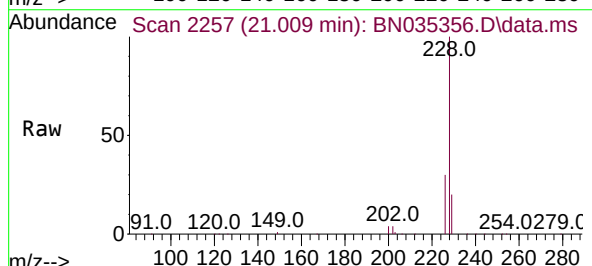
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

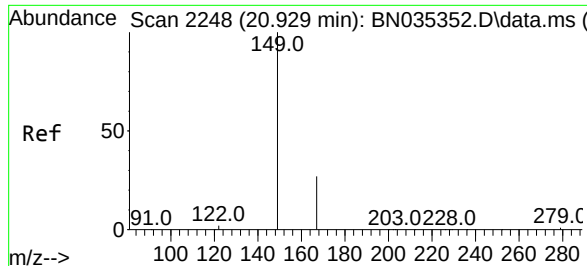
Tgt Ion:228 Resp: 205712
Ion Ratio Lower Upper
228 100
226 27.9 22.5 33.7
229 19.4 15.8 23.8



#33
Chrysene
Concen: 5.146 ng
RT: 21.009 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:228 Resp: 204475
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 19.5 15.9 23.9

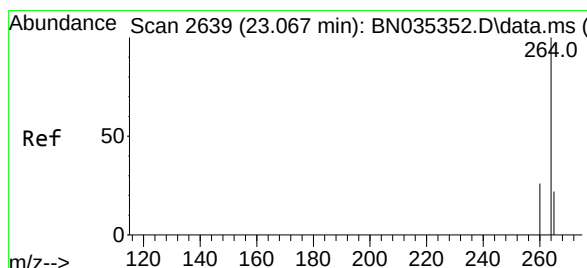
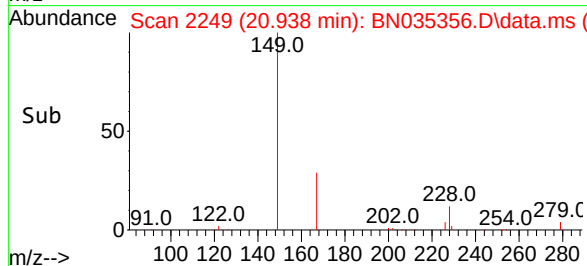
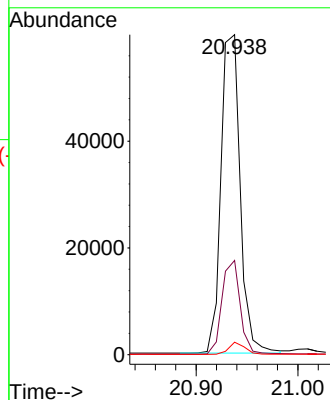
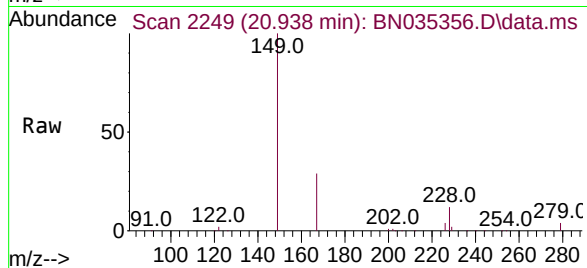




#34
Bis(2-ethylhexyl)phthalate
Concen: 3.721 ng
RT: 20.938 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

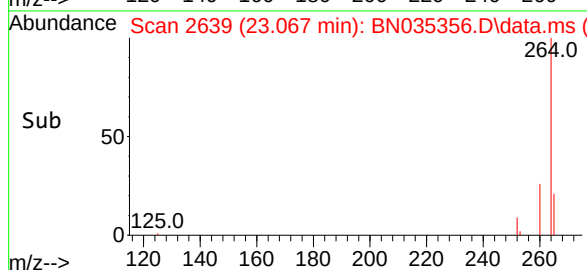
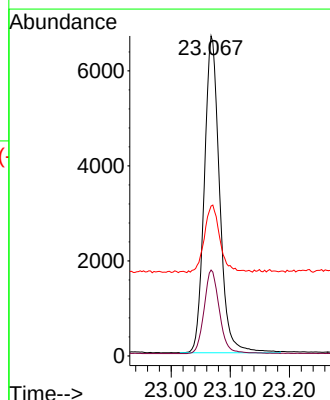
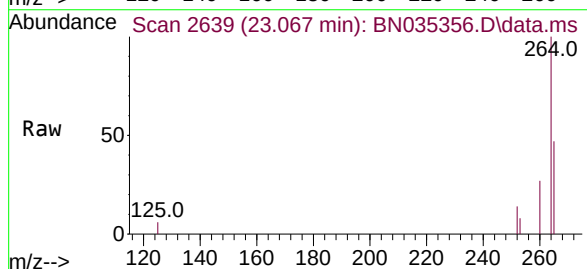
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

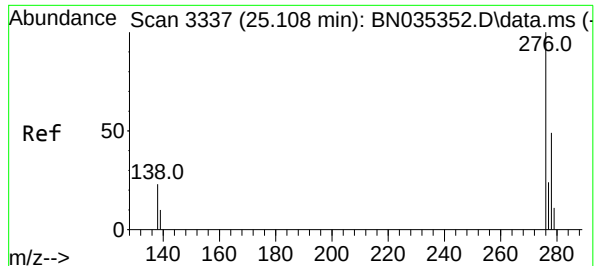
Tgt Ion:149 Resp: 78322
Ion Ratio Lower Upper
149 100
167 28.1 22.2 33.4
279 3.2 2.7 4.1



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2639
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:264 Resp: 12000
Ion Ratio Lower Upper
264 100
260 26.9 21.4 32.2
265 46.8 40.2 60.4





#36

Indeno(1,2,3-cd)pyrene

Concen: 5.279 ng

RT: 25.108 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN035356.D

Acq: 27 Nov 2024 19:09

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

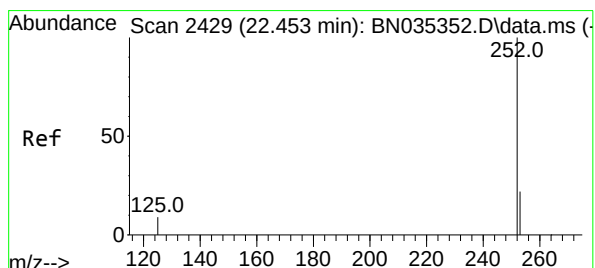
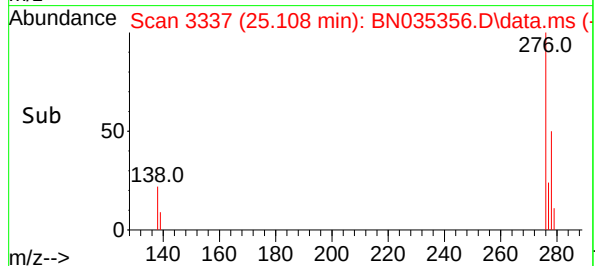
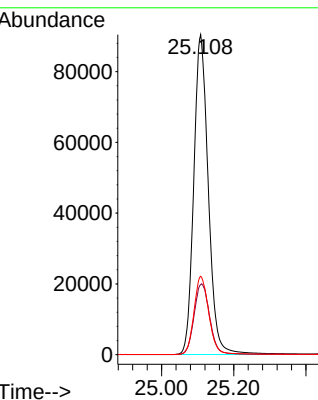
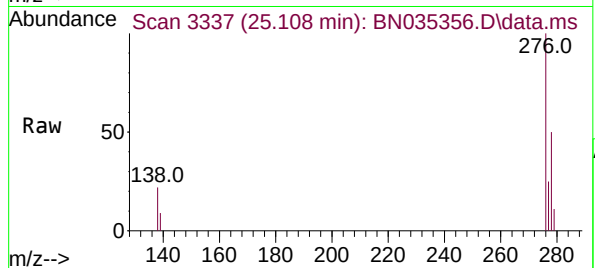
Tgt Ion:276 Resp: 252709

Ion Ratio Lower Upper

276 100

138 23.7 19.4 29.0

277 25.0 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 5.974 ng

RT: 22.456 min Scan# 2430

Delta R.T. 0.003 min

Lab File: BN035356.D

Acq: 27 Nov 2024 19:09

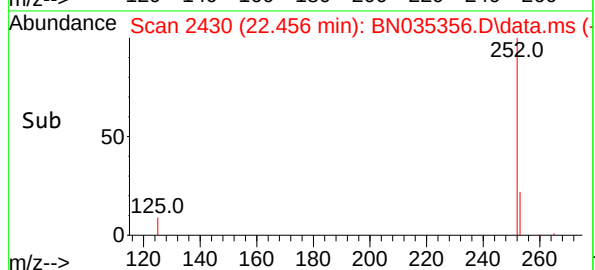
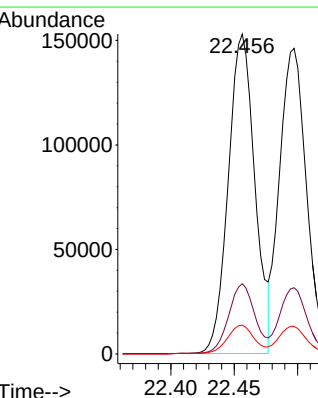
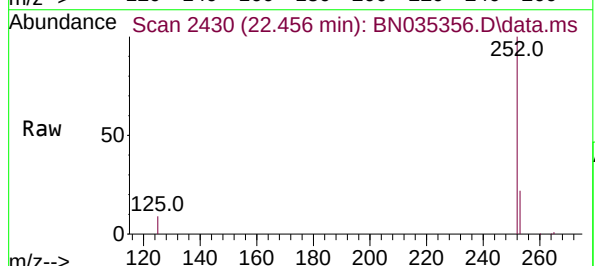
Tgt Ion:252 Resp: 241201

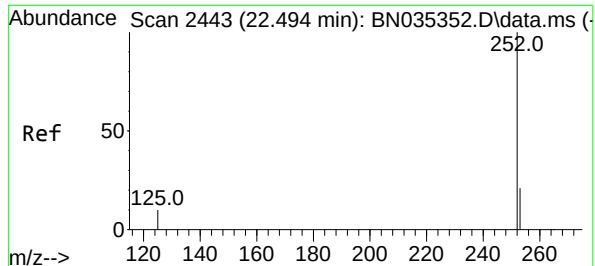
Ion Ratio Lower Upper

252 100

253 22.0 19.6 29.4

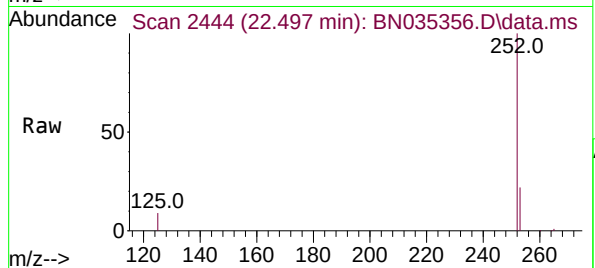
125 9.0 9.6 14.4#



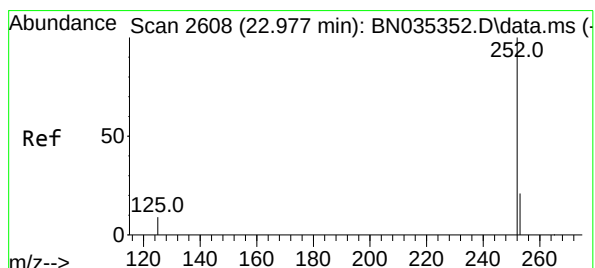
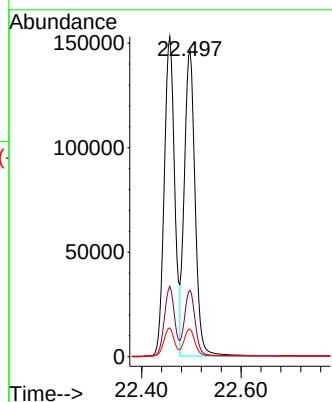


#38
Benzo(k)fluoranthene
Concen: 5.449 ng
RT: 22.497 min Scan# 2444
Delta R.T. 0.003 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

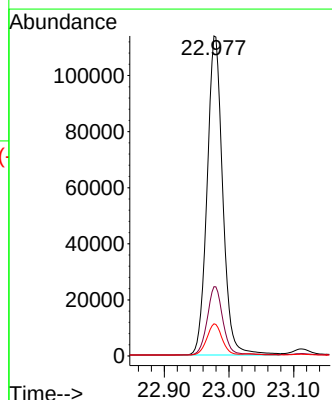
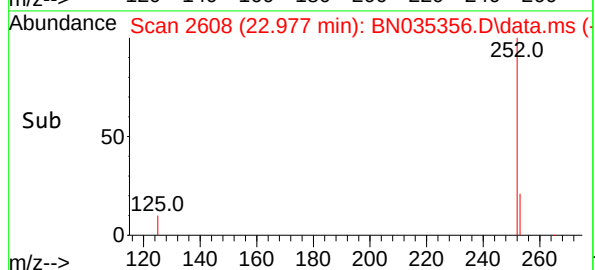
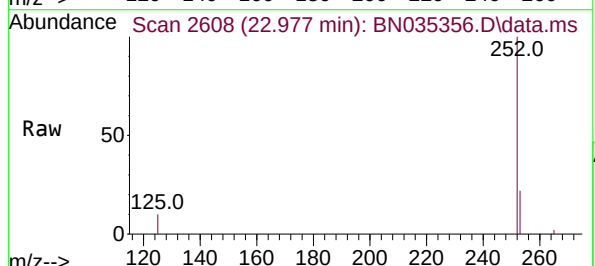


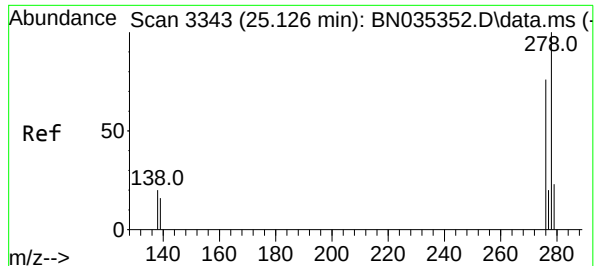
Tgt Ion:252 Resp: 220146
Ion Ratio Lower Upper
252 100
253 21.7 19.5 29.3
125 9.0 10.2 15.4#



#39
Benzo(a)pyrene
Concen: 5.367 ng
RT: 22.977 min Scan# 2608
Delta R.T. 0.000 min
Lab File: BN035356.D
Acq: 27 Nov 2024 19:09

Tgt Ion:252 Resp: 190665
Ion Ratio Lower Upper
252 100
253 21.6 20.2 30.4
125 10.0 10.9 16.3#





#40

Dibenzo(a,h)anthracene

Concen: 5.269 ng

RT: 25.126 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN035356.D

Acq: 27 Nov 2024 19:09

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

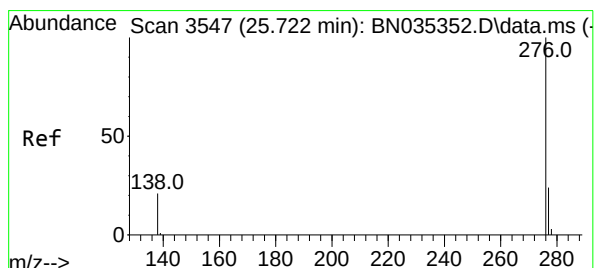
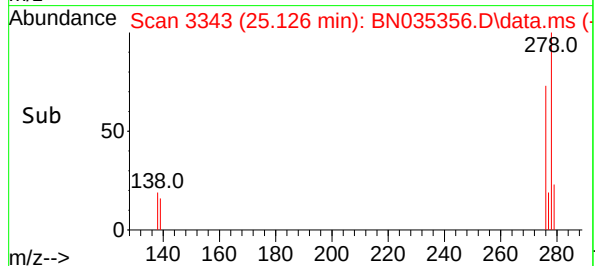
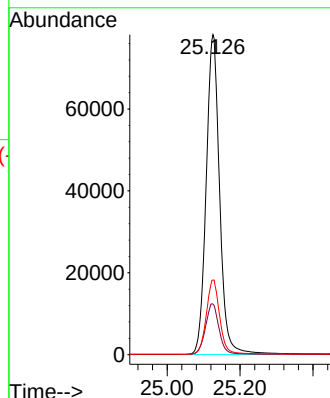
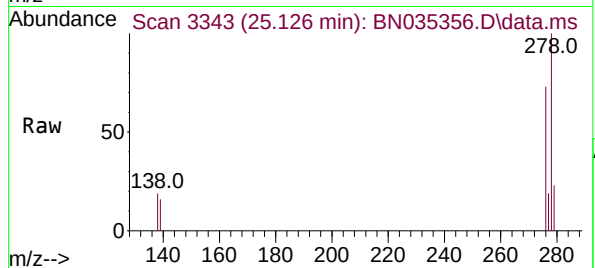
Tgt Ion:278 Resp: 199852

Ion Ratio Lower Upper

278 100

139 15.8 14.2 21.4

279 23.3 20.5 30.7



#41

Benzo(g,h,i)perylene

Concen: 5.183 ng

RT: 25.725 min Scan# 3548

Delta R.T. 0.003 min

Lab File: BN035356.D

Acq: 27 Nov 2024 19:09

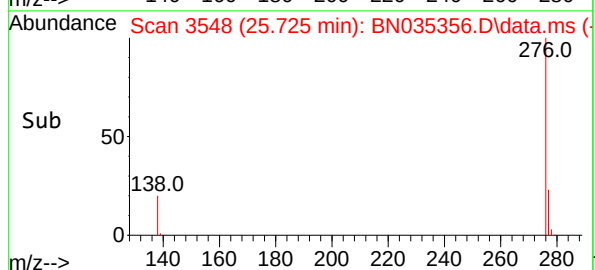
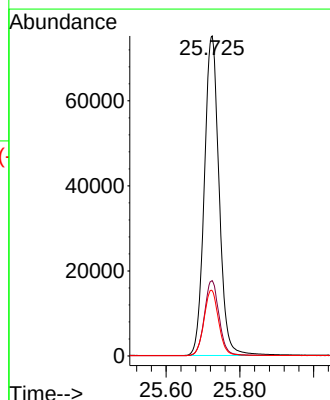
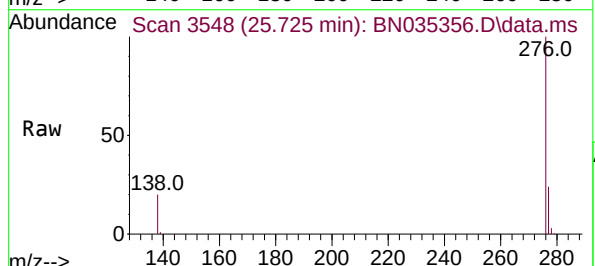
Tgt Ion:276 Resp: 209119

Ion Ratio Lower Upper

276 100

277 23.5 19.9 29.9

138 20.4 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035357.D
 Acq On : 27 Nov 2024 20:21
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

ICVBN112724

Manual Integrations

APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Nov 27 23:06:03 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 27 23:03:24 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	1540	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	3904	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	2879	0.400	ng	0.00
19) Phenanthrene-d10	16.723	188	7350	0.400	ng	#-0.01
29) Chrysene-d12	20.974	240	7576	0.400	ng	0.00
35) Perylene-d12	23.067	264	8338	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1280	0.332	ng	0.00
5) Phenol-d6	6.513	99	1437	0.310	ng	0.00
8) Nitrobenzene-d5	8.440	82	938m	0.393	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	2565	0.420	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	617	0.302	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	4647	0.427	ng	0.00
27) Fluoranthene-d10	18.785	212	8415	0.404	ng	0.00
31) Terphenyl-d14	19.412	244	6272	0.420	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.003	88	684	0.465	ng	99
3) n-Nitrosodimethylamine	3.299	42	495	0.404	ng	# 88
6) bis(2-Chloroethyl)ether	6.759	93	1676	0.430	ng	99
9) Naphthalene	10.105	128	4364	0.424	ng	99
10) Hexachlorobutadiene	10.404	225	1005	0.423	ng	# 100
12) 2-Methylnaphthalene	11.732	142	3157	0.428	ng	98
16) Acenaphthylene	13.679	152	5261	0.435	ng	100
17) Acenaphthene	14.031	154	3421	0.426	ng	99
18) Fluorene	15.026	166	4825	0.420	ng	99
20) 4,6-Dinitro-2-methylph...	15.132	198	263	0.364	ng	# 86
21) 4-Bromophenyl-phenylether	15.941	248	1742	0.405	ng	99
22) Hexachlorobenzene	16.040	284	2151	0.426	ng	99
23) Atrazine	16.227	200	1227	0.401	ng	99
24) Pentachlorophenol	16.400	266	662	0.301	ng	# 83
25) Phenanthrene	16.773	178	8509	0.421	ng	100
26) Anthracene	16.860	178	7849	0.430	ng	100
28) Fluoranthene	18.812	202	10941	0.402	ng	100
30) Pyrene	19.179	202	11476	0.410	ng	100
32) Benzo(a)anthracene	20.956	228	10934	0.413	ng	100
33) Chrysene	21.009	228	11926	0.436	ng	99
34) Bis(2-ethylhexyl)phtha...	20.929	149	4016	0.384	ng	100
36) Indeno(1,2,3-cd)pyrene	25.105	276	14433	0.443	ng	99
37) Benzo(b)fluoranthene	22.453	252	12988	0.426	ng	99
38) Benzo(k)fluoranthene	22.494	252	12669	0.422	ng	99
39) Benzo(a)pyrene	22.974	252	11094	0.442	ng	99
40) Dibenzo(a,h)anthracene	25.123	278	11141	0.433	ng	100
41) Benzo(g,h,i)perylene	25.722	276	10870	0.404	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035357.D
Acq On : 27 Nov 2024 20:21
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

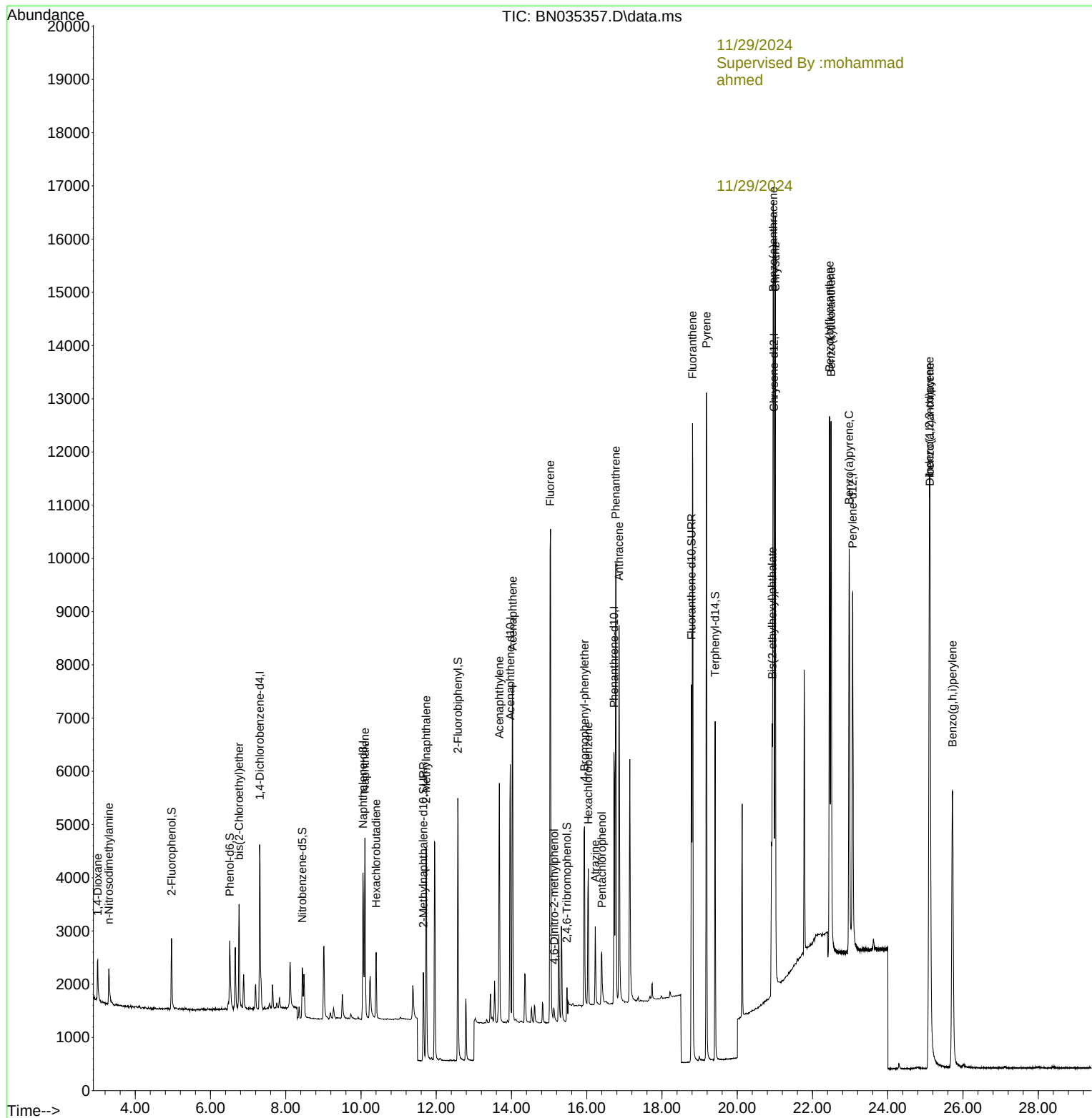
ICVBN112724

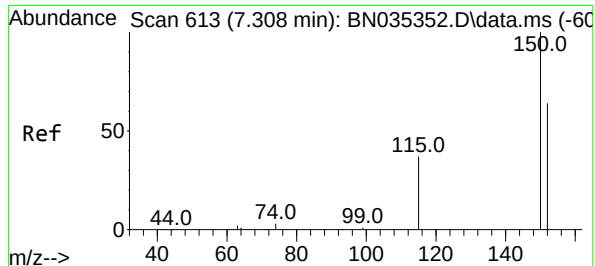
Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel

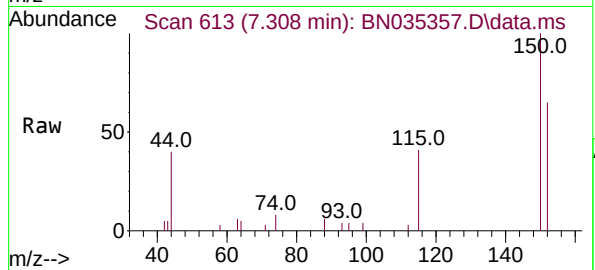
Quant Time: Nov 27 23:06:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

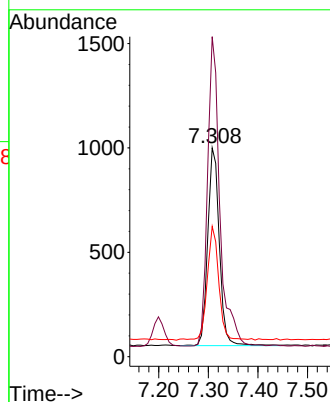
Instrument :
BNA_N
ClientSampleId :
ICVBN112724



Tgt Ion: 152 Resp: 1540
Ion Ratio Lower Upper
152 100
150 153.3 124.0 186.0
115 62.4 49.6 74.4

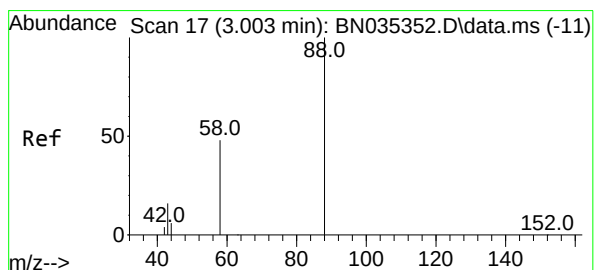
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



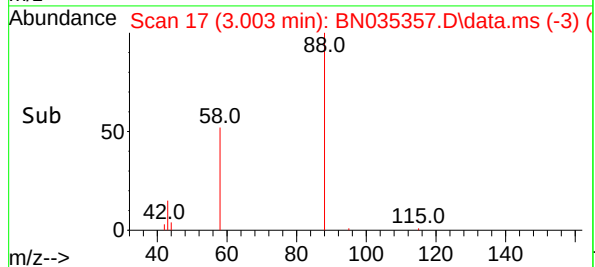
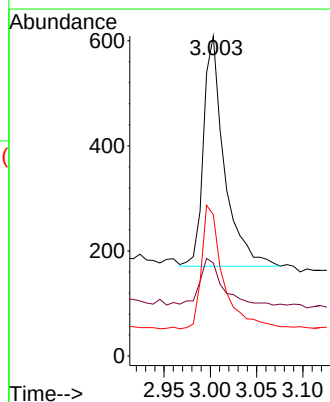
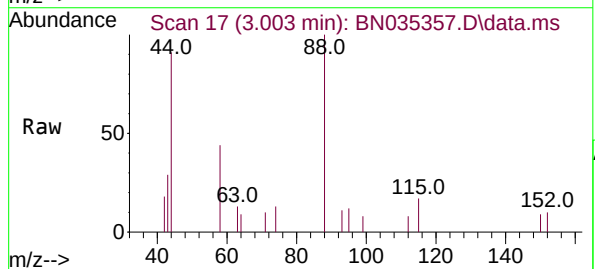
11/29/2024
Supervised By :mohammad
ahmed

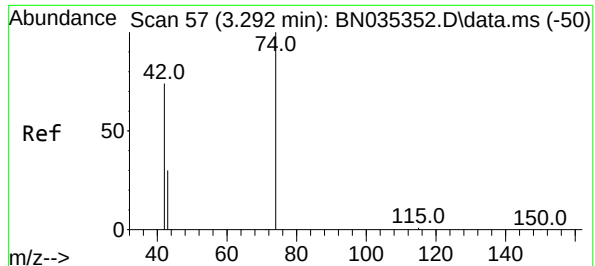
11/29/2024



#2
1,4-Dioxane
Concen: 0.465 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

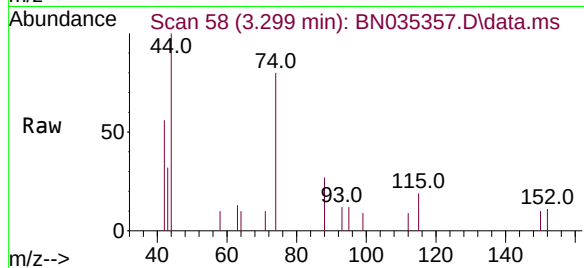
Tgt Ion: 88 Resp: 684
Ion Ratio Lower Upper
88 100
43 21.8 17.2 25.8
58 56.0 44.5 66.7





#3
n-Nitrosodimethylamine
Concen: 0.404 ng
RT: 3.299 min Scan# 57
Delta R.T. 0.007 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

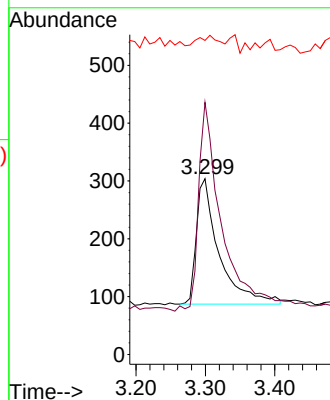
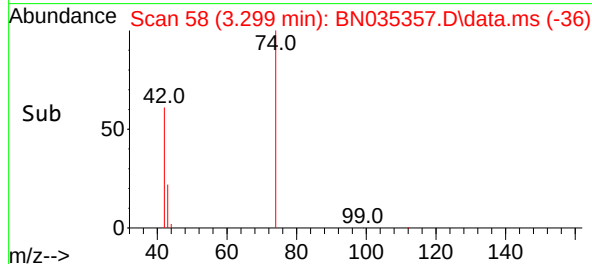
Instrument :
BNA_N
ClientSampleId :
ICVBN112724



Tgt Ion: 42 Resp: 495
Ion Ratio Lower Upper
42 100
74 172.1 124.9 187.3
44 6.3 2.2 3.4

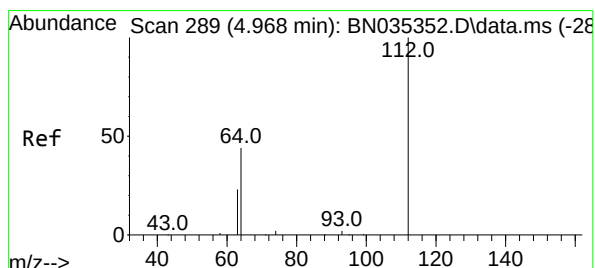
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



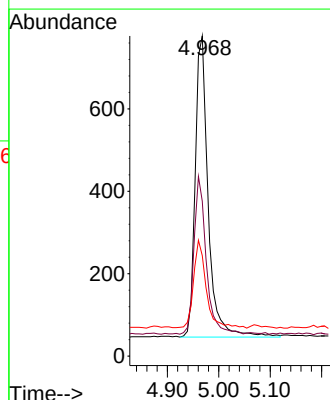
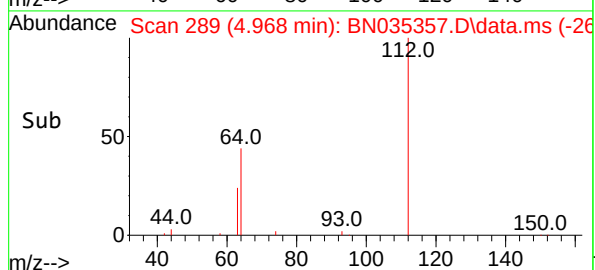
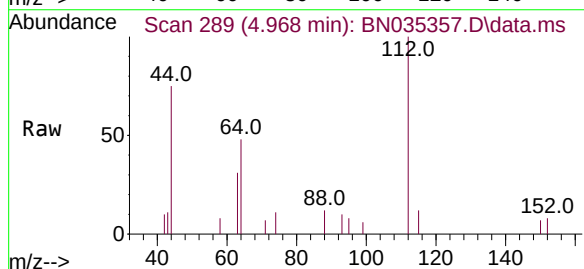
11/29/2024
Supervised By :mohammad
ahmed

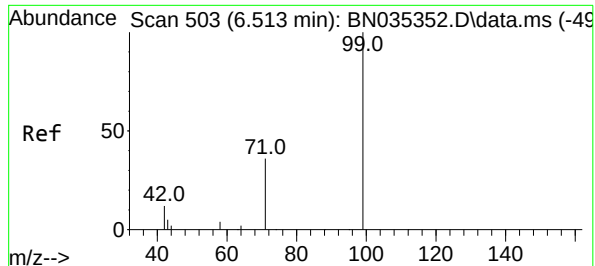
11/29/2024



#4
2-Fluorophenol
Concen: 0.332 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

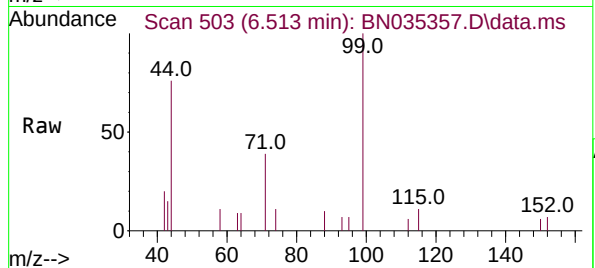
Tgt Ion:112 Resp: 1280
Ion Ratio Lower Upper
112 100
64 49.0 39.8 59.8
63 28.4 21.0 31.6





#5
Phenol-d6
Concen: 0.310 ng
RT: 6.513 min Scan# 503
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

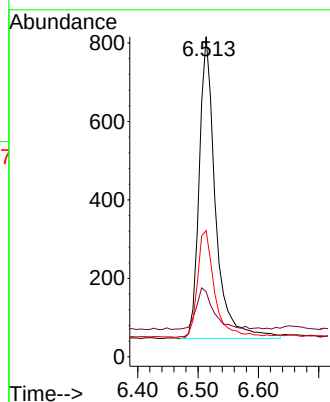
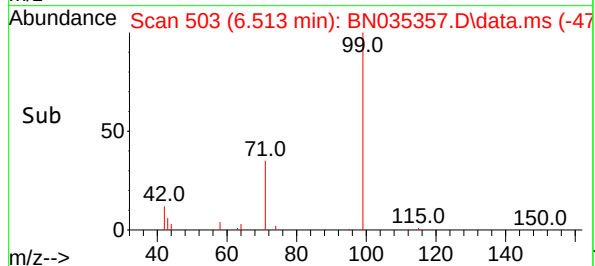
Instrument :
BNA_N
ClientSampleId :
ICVBN112724



Tgt Ion: 99 Resp: 143
Ion Ratio Lower Upper
99 100
42 13.9 11.4 17.2
71 37.2 29.3 43.9

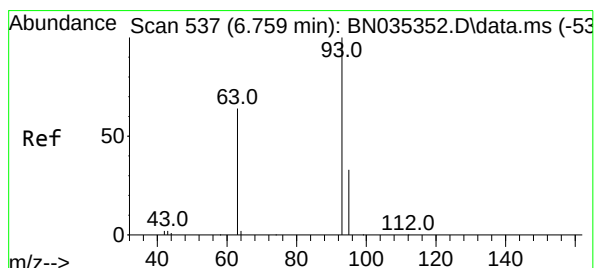
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



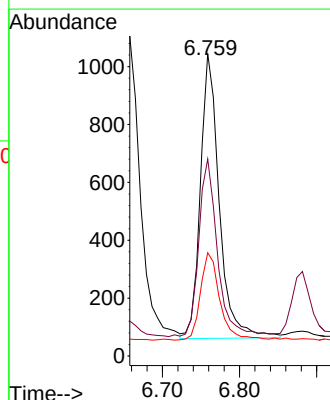
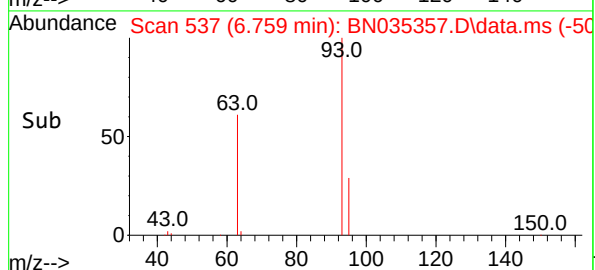
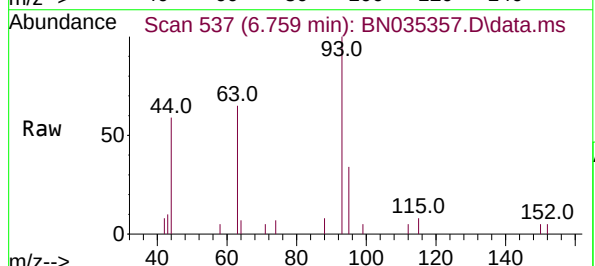
11/29/2024
Supervised By :mohammad
ahmed

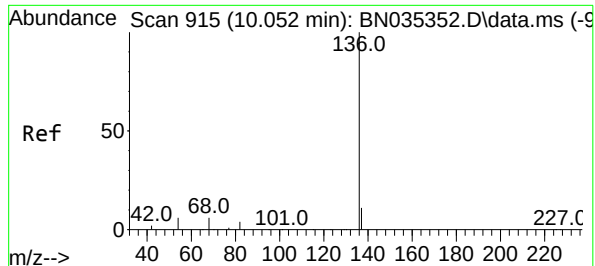
11/29/2024



#6
bis(2-Chloroethyl)ether
Concen: 0.430 ng
RT: 6.759 min Scan# 537
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

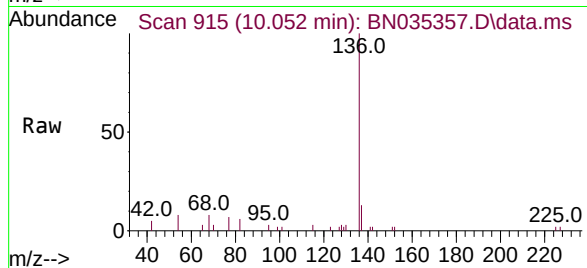
Tgt Ion: 93 Resp: 1676
Ion Ratio Lower Upper
93 100
63 62.1 50.4 75.6
95 31.4 25.7 38.5





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

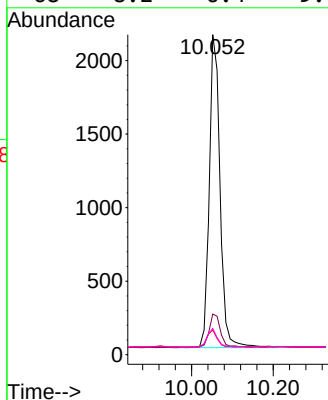
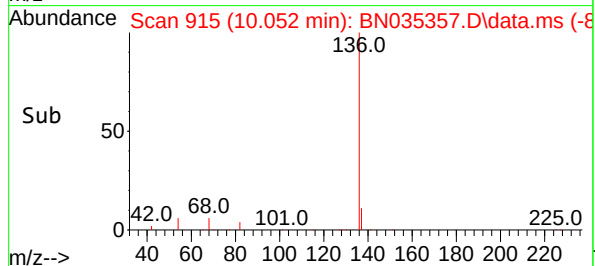
Instrument :
BNA_N
ClientSampleId :
ICVBN112724



Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.7	10.2	15.2
54	7.7	6.1	9.1
68	8.2	6.4	9.6

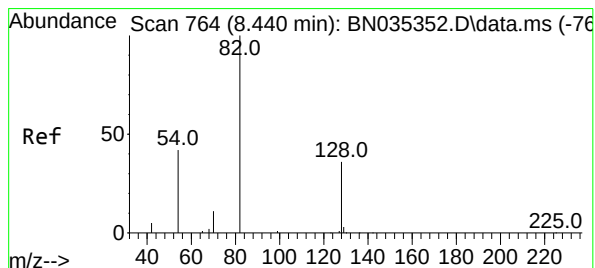
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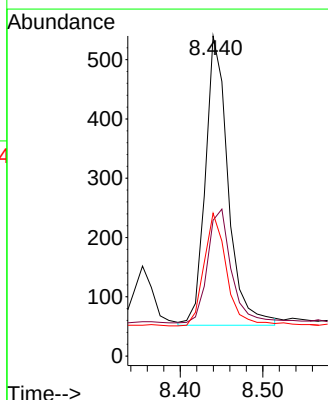
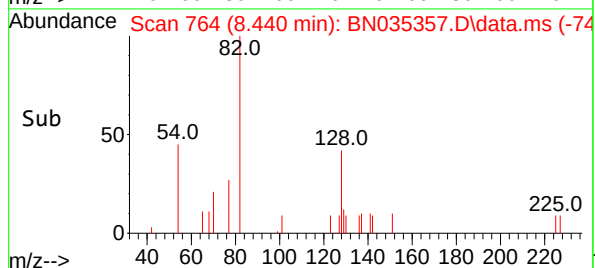
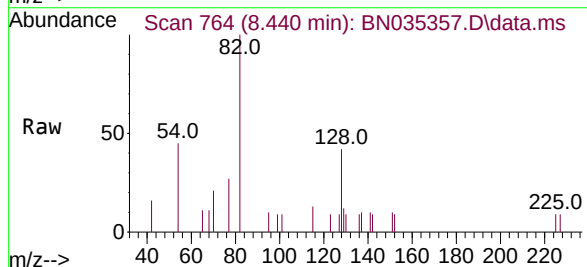
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ahmed

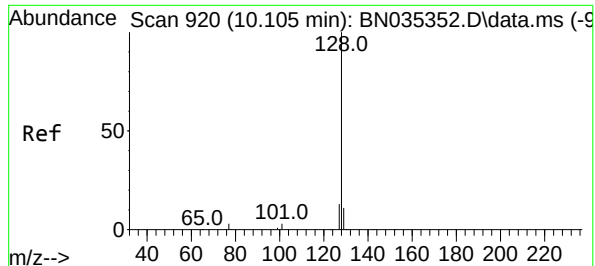
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#8
Nitrobenzene-d5
Concen: 0.393 ng m
RT: 8.440 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

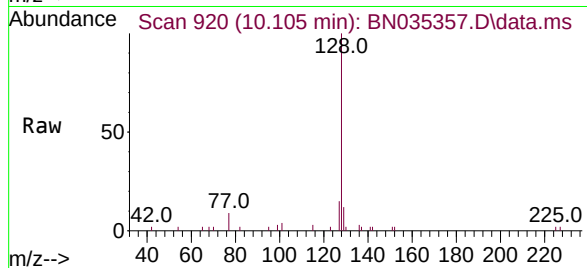
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.4	50.0
54	44.6	36.7	55.1





#9
Naphthalene
Concen: 0.424 ng
RT: 10.105 min Scan# 912
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

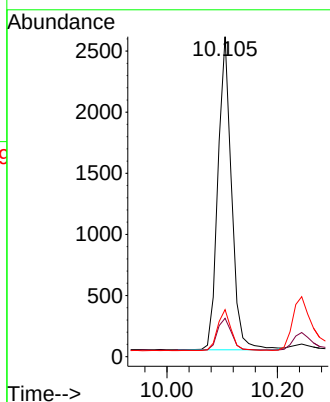
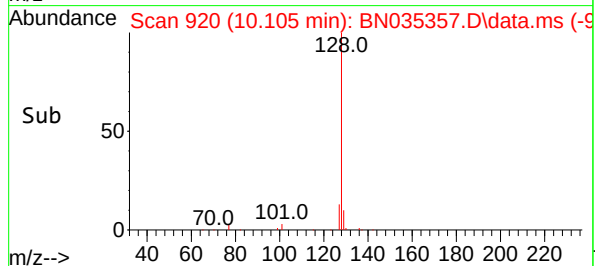
Instrument :
BNA_N
ClientSampleId :
ICVBN112724



Tgt Ion:128 Resp: 4364
Ion Ratio Lower Upper
128 100
129 12.0 9.8 14.6
127 14.7 11.4 17.2

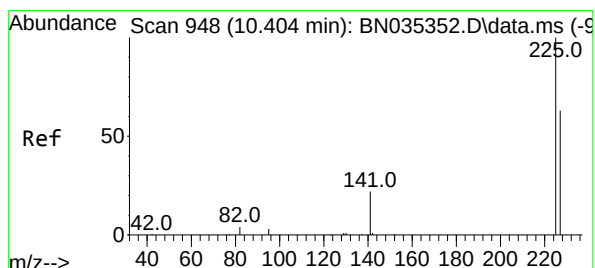
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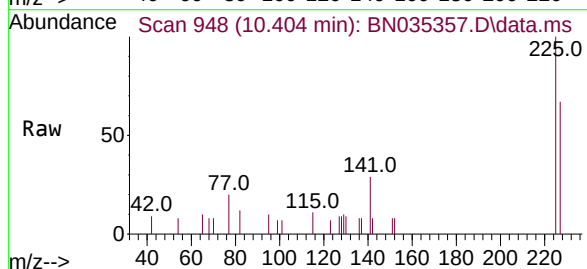


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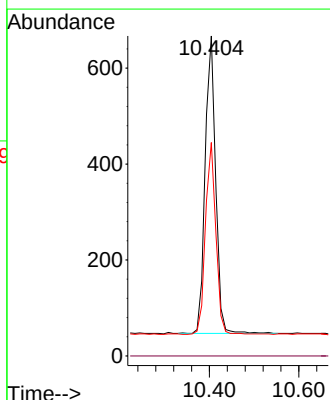
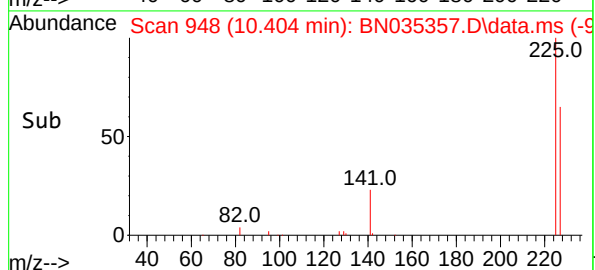
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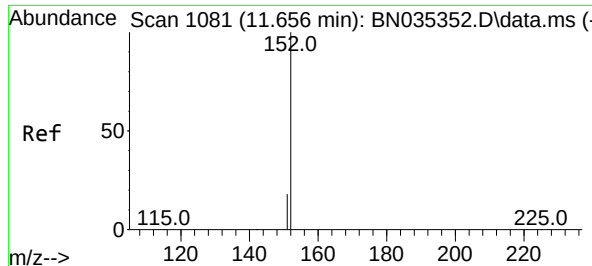


#10
Hexachlorobutadiene
Concen: 0.423 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21



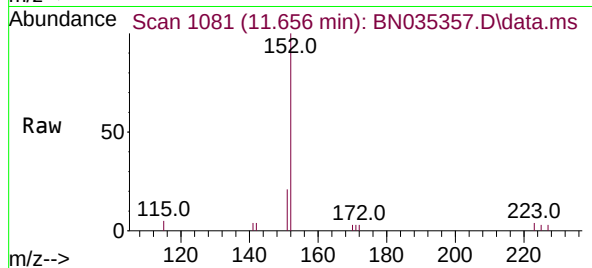
Tgt Ion:225 Resp: 1005
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.3 51.3 76.9





#11
2-Methylnaphthalene-d10
Concen: 0.420 ng
RT: 11.656 min Scan# 1081
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

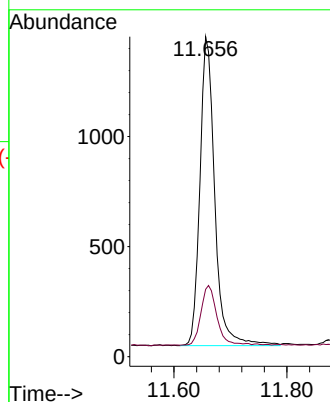
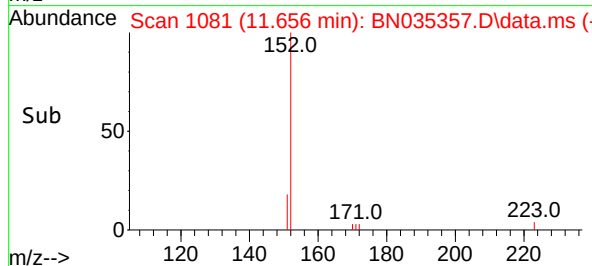
Instrument :
BNA_N
ClientSampleId :
ICVBN112724



Tgt Ion:152 Resp: 256
Ion Ratio Lower Upper
152 100
151 20.5 16.6 25.0

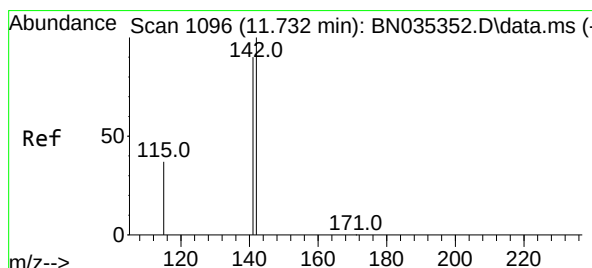
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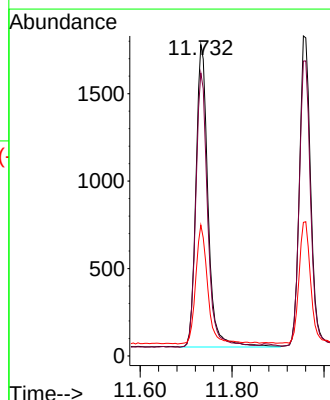
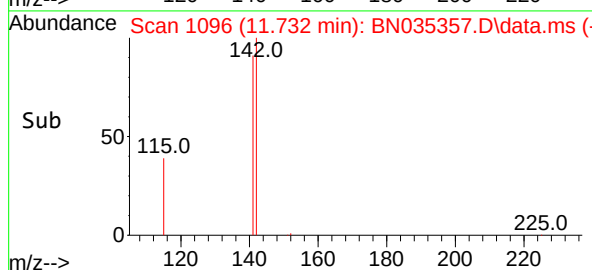
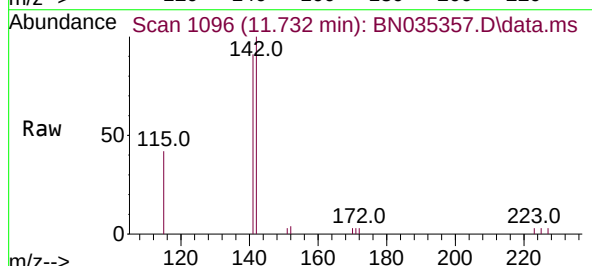
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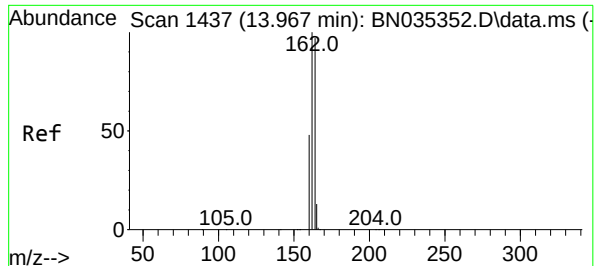
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#12
2-Methylnaphthalene
Concen: 0.428 ng
RT: 11.732 min Scan# 1096
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

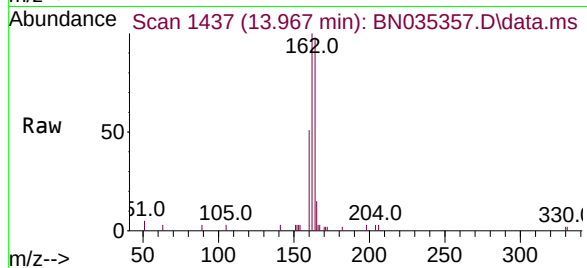
Tgt Ion:142 Resp: 3157
Ion Ratio Lower Upper
142 100
141 90.9 72.2 108.4
115 42.0 31.4 47.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

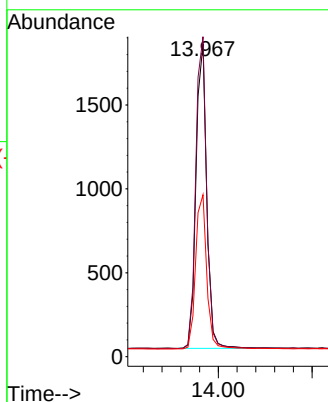
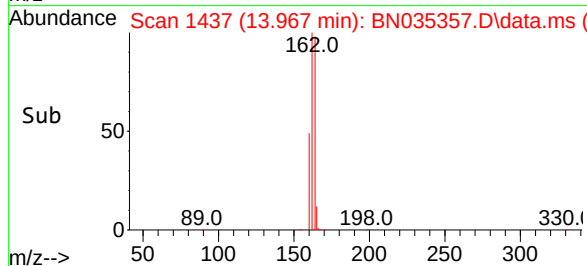
Instrument :
BNA_N
ClientSampleId :
ICVBN112724



Tgt Ion:164 Resp: 2879
Ion Ratio Lower Upper
164 100
162 102.3 82.2 123.2
160 51.8 40.1 60.1

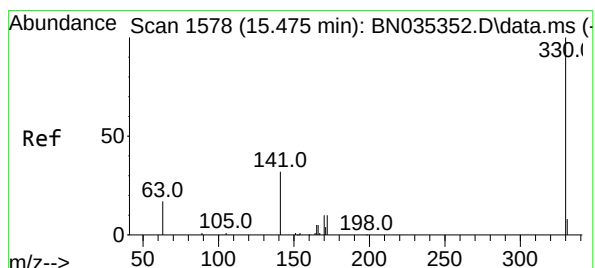
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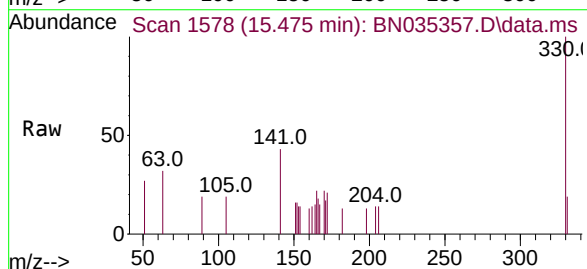


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Supervised By :mohammad
ahmed

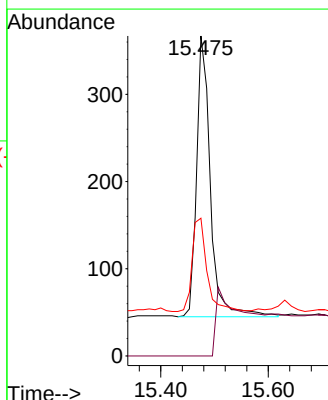
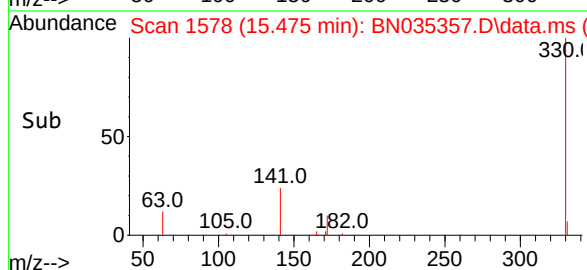
11/29/2024

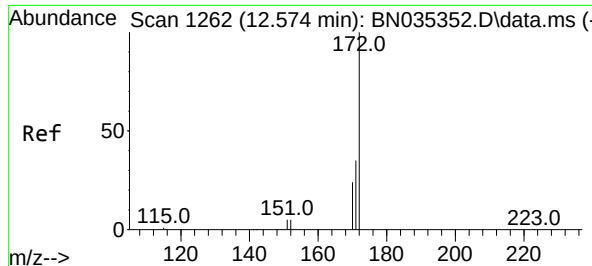


#14
2,4,6-Tribromophenol
Concen: 0.302 ng
RT: 15.475 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21



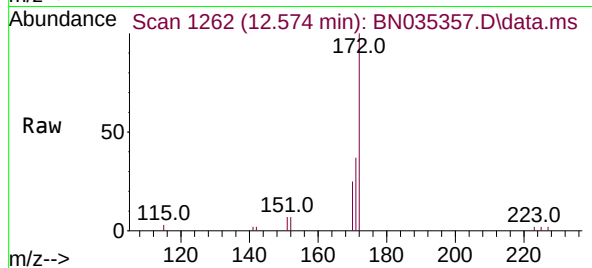
Tgt Ion:330 Resp: 617
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.7 26.6 40.0





#15
2-Fluorobiphenyl
Concen: 0.427 ng
RT: 12.574 min Scan# 1262
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

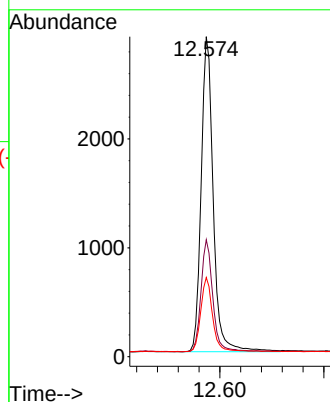
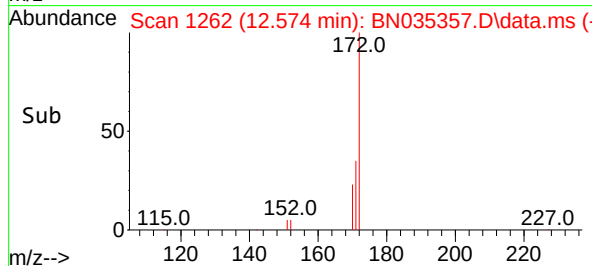
Instrument :
BNA_N
ClientSampleId :
ICVBN112724



Tgt Ion:172 Resp: 464
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.4
170 24.7 19.8 29.8

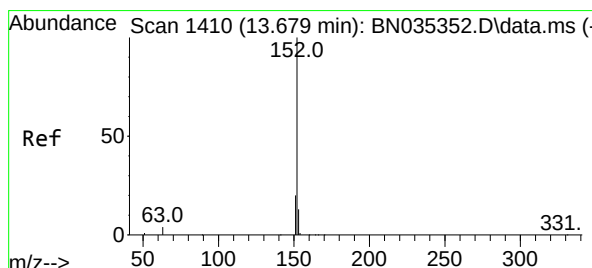
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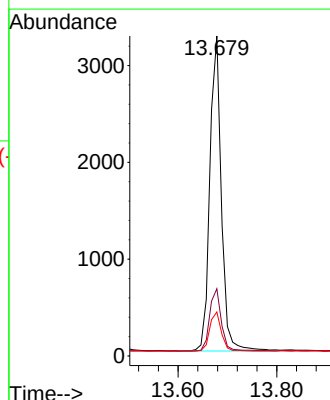
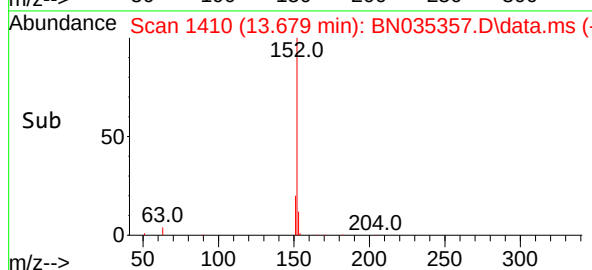
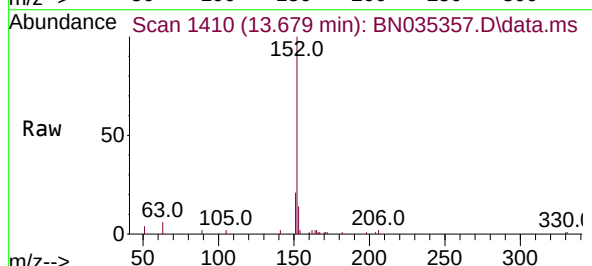
11/29/2024
Supervised By :mohammad
ahmed

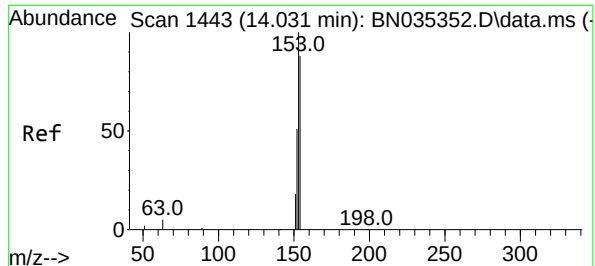
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#16
Acenaphthylene
Concen: 0.435 ng
RT: 13.679 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

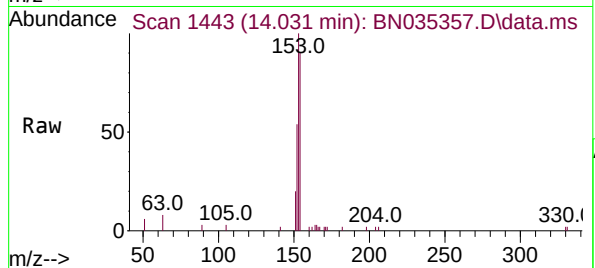
Tgt Ion:152 Resp: 5261
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 12.7 10.4 15.6





#17
Acenaphthene
Concen: 0.426 ng
RT: 14.031 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

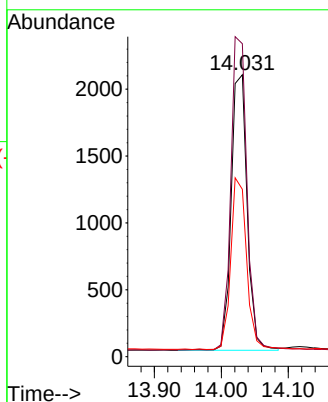
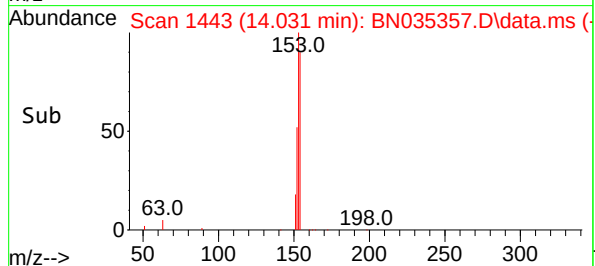
Instrument :
BNA_N
ClientSampleId :
ICVBN112724



Tgt Ion:154 Resp: 342
Ion Ratio Lower Upper
154 100
153 115.4 92.6 139.0
152 61.9 49.0 73.6

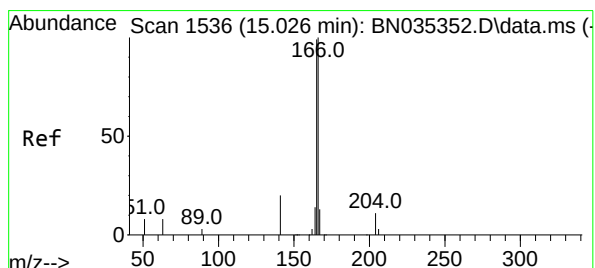
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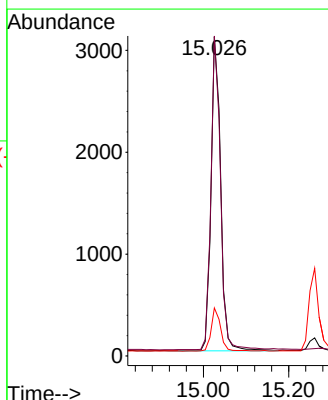
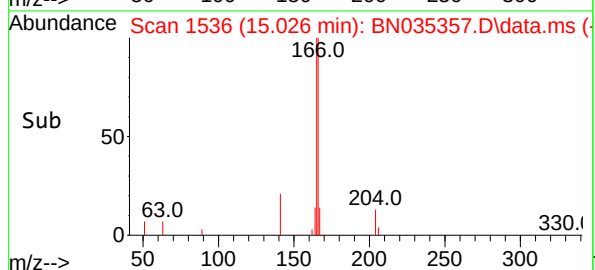
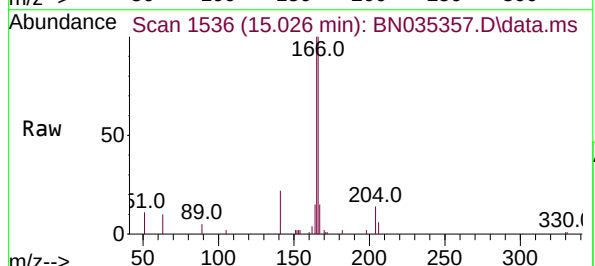
11/29/2024
Supervised By :mohammad
ahmed

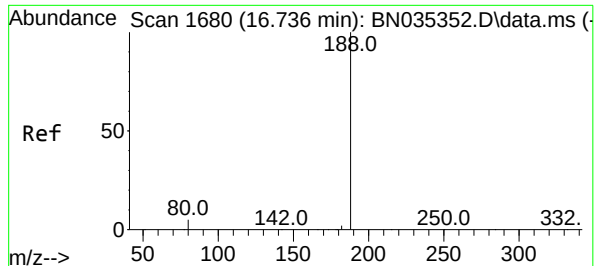
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#18
Fluorene
Concen: 0.420 ng
RT: 15.026 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

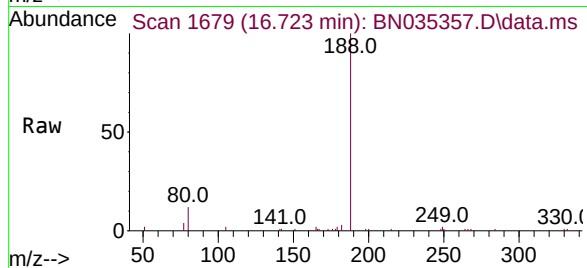
Tgt Ion:166 Resp: 4825
Ion Ratio Lower Upper
166 100
165 98.4 79.7 119.5
167 13.6 10.8 16.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.723 min Scan# 1679
Delta R.T. -0.012 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

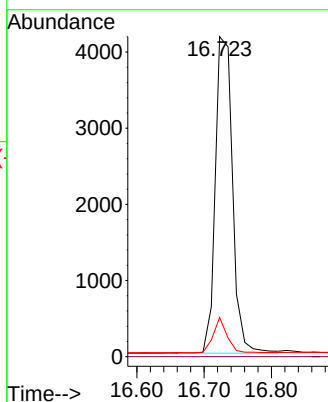
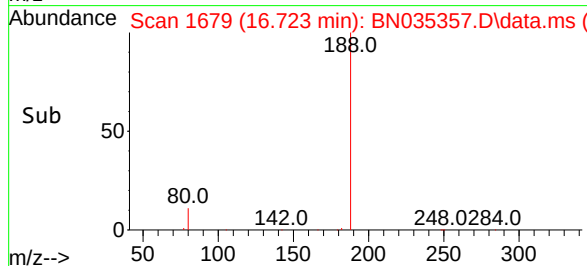
Instrument :
BNA_N
ClientSampleId :
ICVBN112724



Tgt Ion:188 Resp: 7350
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.2 4.6 6.8

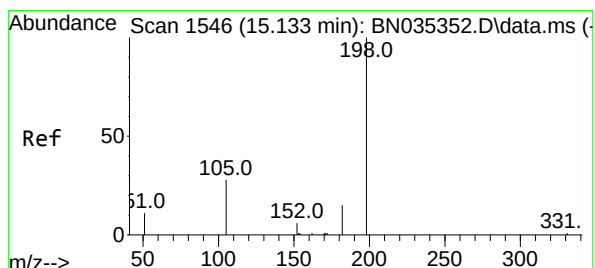
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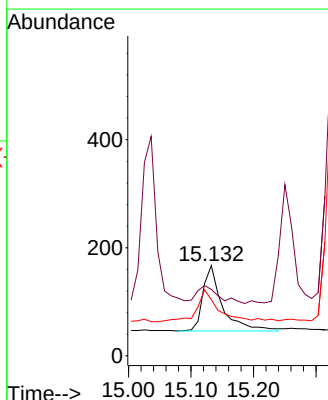
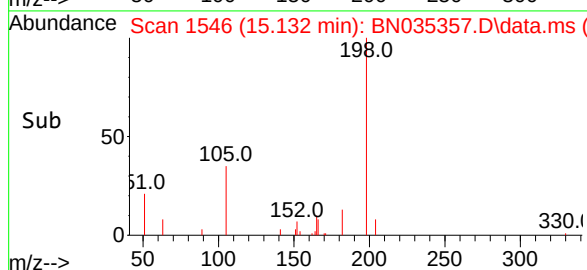
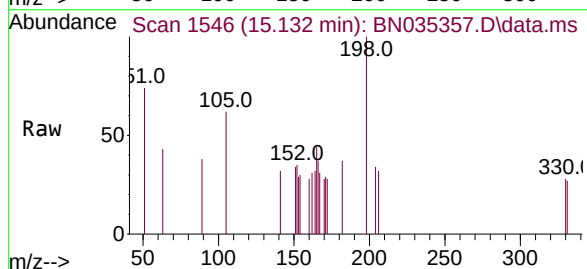
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Supervised By :mohammad
ahmed

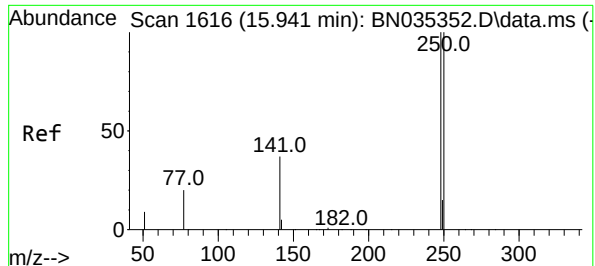
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#20
4,6-Dinitro-2-methylphenol
Concen: 0.364 ng
RT: 15.132 min Scan# 1546
Delta R.T. -0.001 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:198 Resp: 263
Ion Ratio Lower Upper
198 100
51 73.7 46.5 69.7#
105 62.3 45.3 67.9





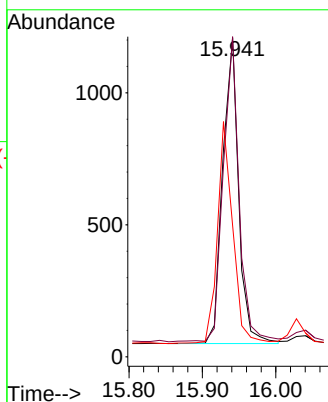
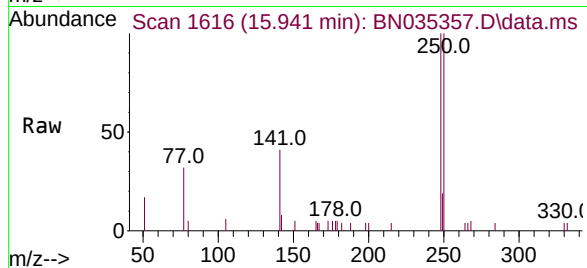
#21
4-Bromophenyl-phenylether
Concen: 0.405 ng
RT: 15.941 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:248 Resp: 174
Ion Ratio Lower Upper
248 100
250 100.3 80.6 120.8
141 41.2 31.5 47.3

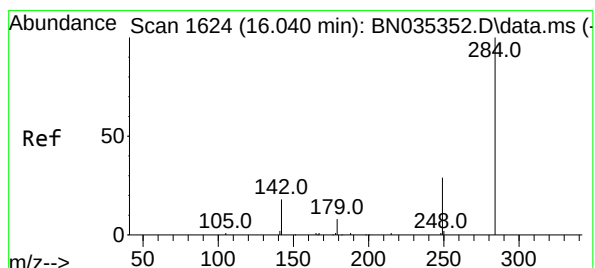
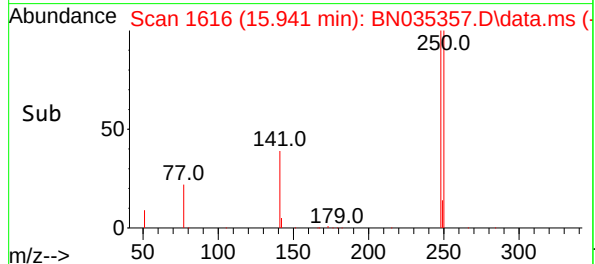
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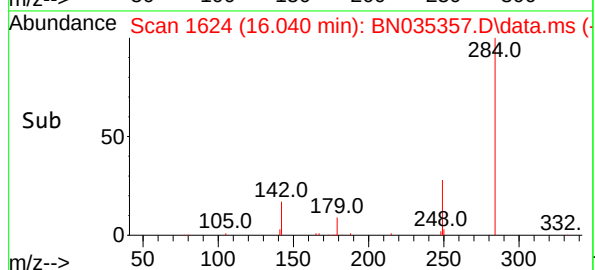
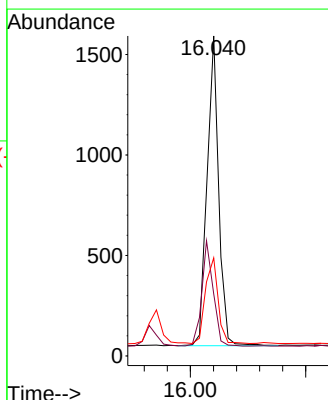
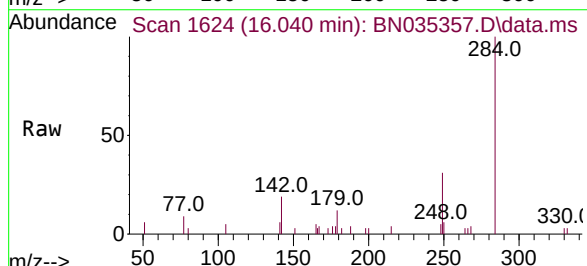
11/29/2024
Supervised By :mohammad
ahmed

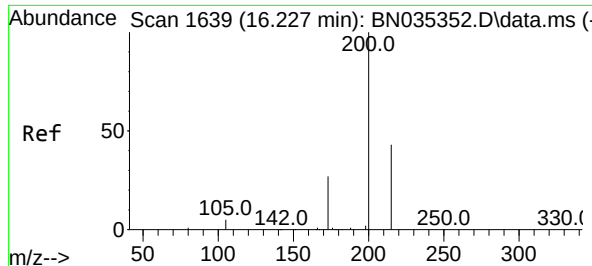
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#22
Hexachlorobenzene
Concen: 0.426 ng
RT: 16.040 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

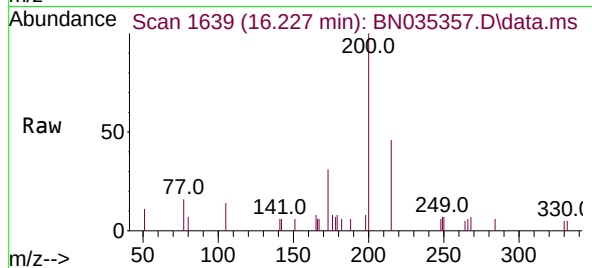
Tgt Ion:284 Resp: 2151
Ion Ratio Lower Upper
284 100
142 33.5 26.7 40.1
249 30.0 24.6 36.8





#23
Atrazine
Concen: 0.401 ng
RT: 16.227 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

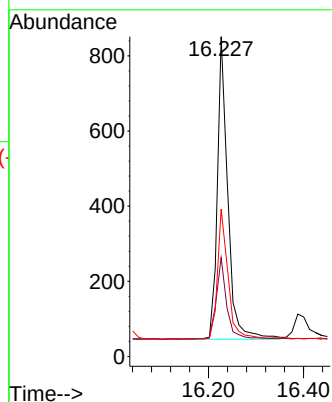
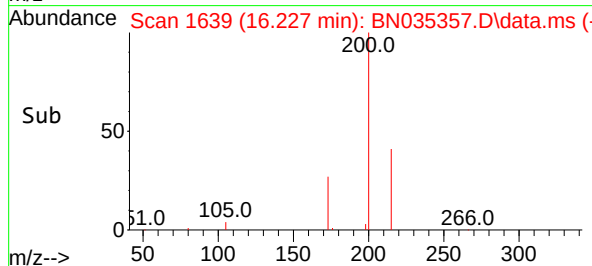
Instrument :
BNA_N
ClientSampleId :
ICVBN112724



Tgt Ion:200 Resp: 1227
Ion Ratio Lower Upper
200 100
173 30.9 24.1 36.1
215 46.1 36.9 55.3

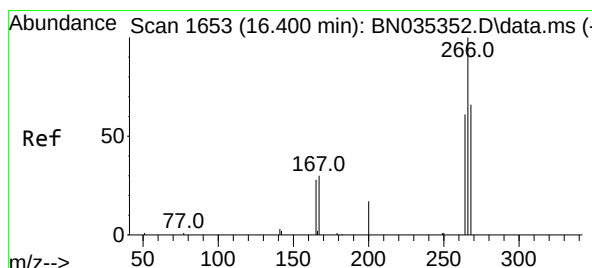
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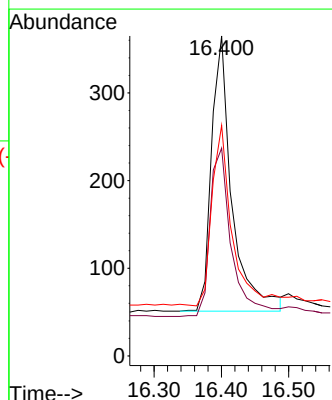
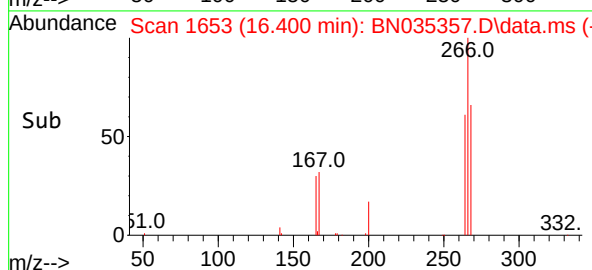
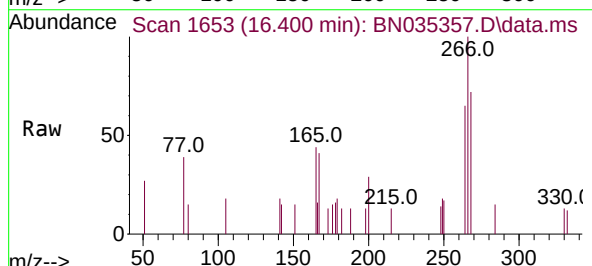
11/29/2024
Supervised By :mohammad
ahmed

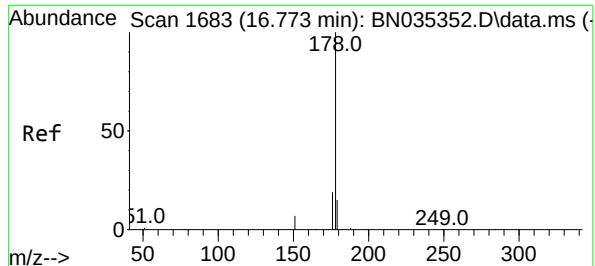
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#24
Pentachlorophenol
Concen: 0.301 ng
RT: 16.400 min Scan# 1653
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

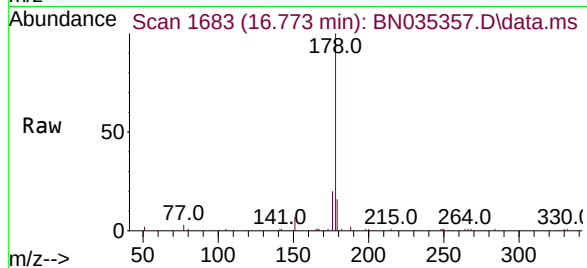
Tgt Ion:266 Resp: 662
Ion Ratio Lower Upper
266 100
264 65.0 42.3 63.5#
268 66.8 43.3 64.9#





#25
Phenanthrene
Concen: 0.421 ng
RT: 16.773 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

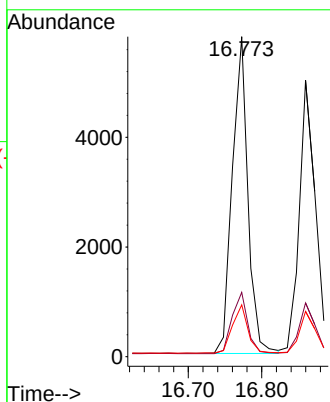
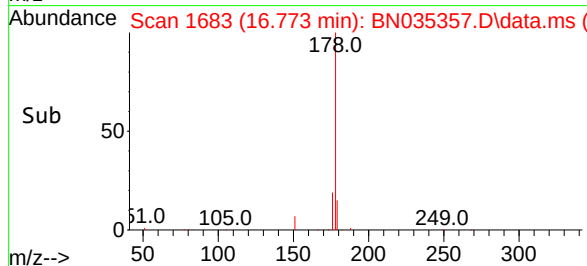
Instrument :
BNA_N
ClientSampleId :
ICVBN112724



Tgt Ion:178 Resp: 8509
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.4 12.3 18.5

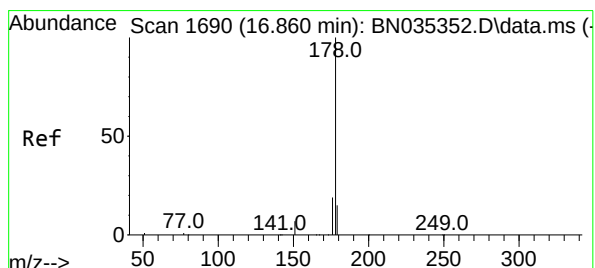
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Patel



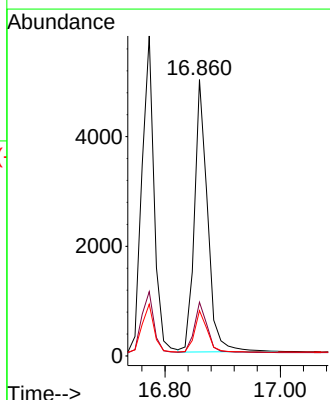
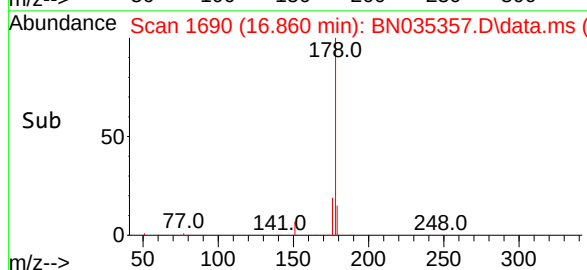
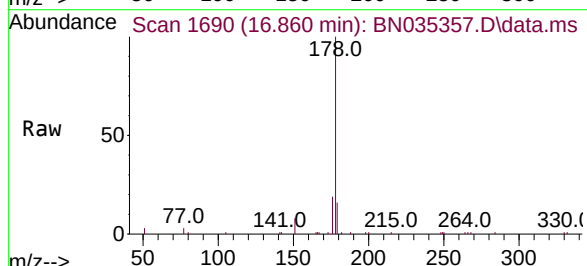
11/29/2024
Supervised By :mohammad
ahmed

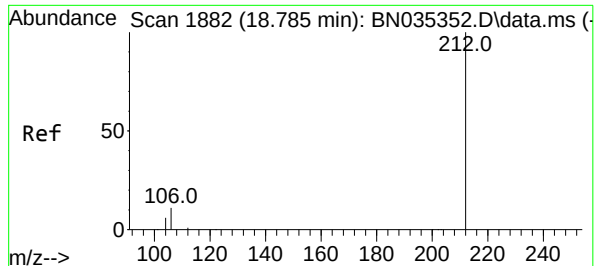
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#26
Anthracene
Concen: 0.430 ng
RT: 16.860 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:178 Resp: 7849
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.3 12.6 18.8





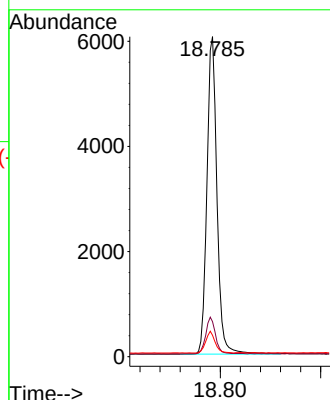
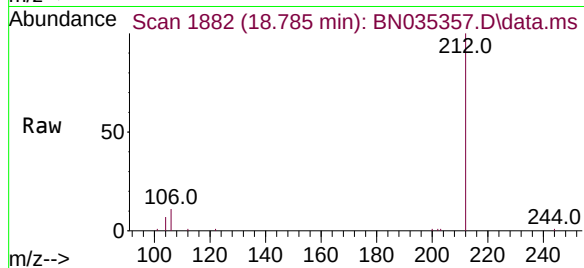
#27
Fluoranthene-d10
Concen: 0.404 ng
RT: 18.785 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:212 Resp: 841
Ion Ratio Lower Upper
212 100
106 11.3 9.2 13.8
104 6.4 5.3 7.9

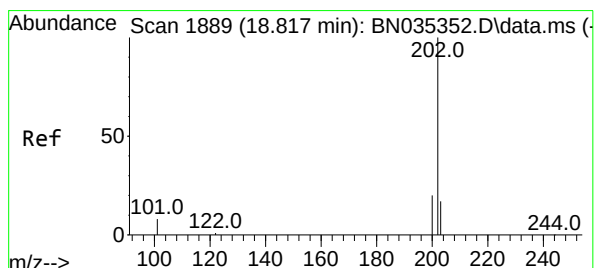
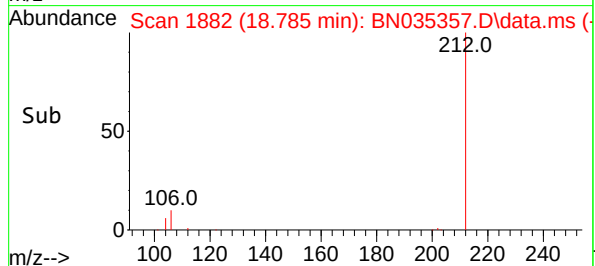
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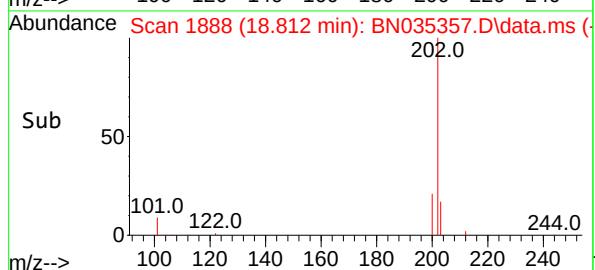
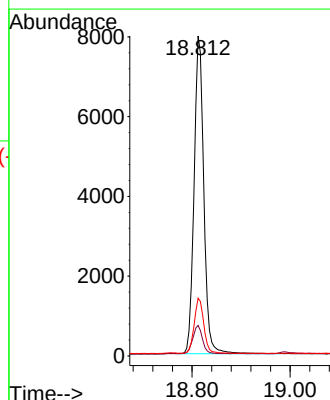
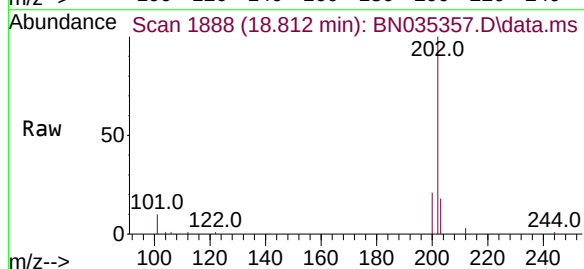
11/29/2024
Supervised By :mohammad
ahmed

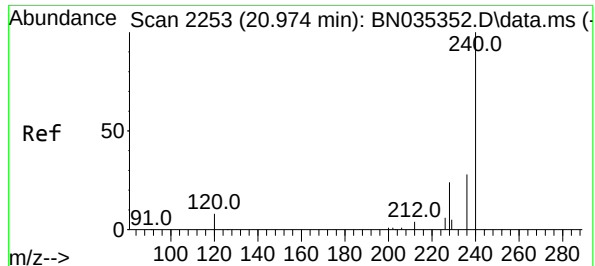
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#28
Fluoranthene
Concen: 0.402 ng
RT: 18.812 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:202 Resp: 10941
Ion Ratio Lower Upper
202 100
101 9.2 7.4 11.0
203 17.1 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.974 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035357.D

Acq: 27 Nov 2024 20:21

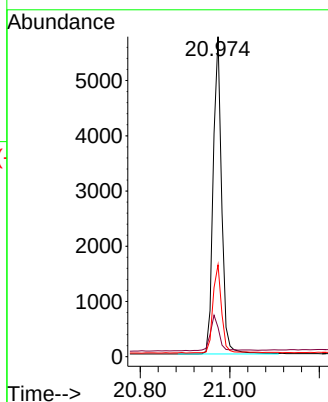
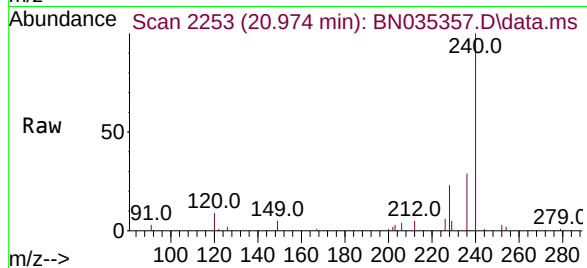
Instrument :

BNA_N

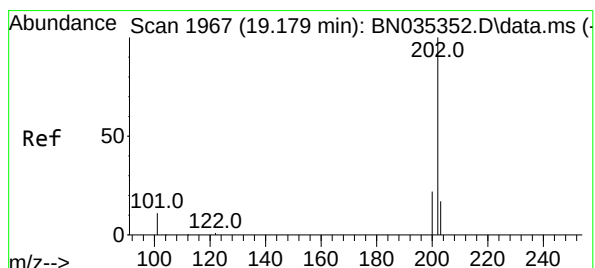
ClientSampleId :

ICVBN112724

Tgt Ion:240	Resp:	7570
Ion Ratio	Lower	Upper
240	100	
120	9.1	7.9 11.9
236	28.7	22.9 34.3

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Supervised By :mohammad
ahmed

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#30

Pyrene

Concen: 0.410 ng

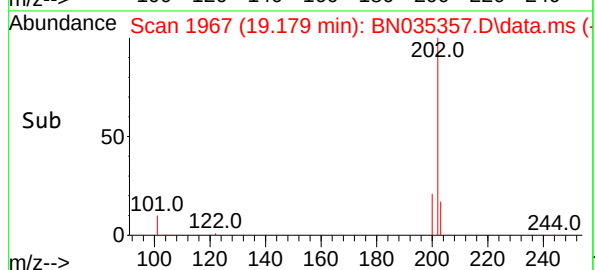
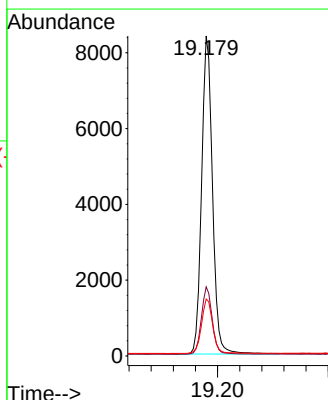
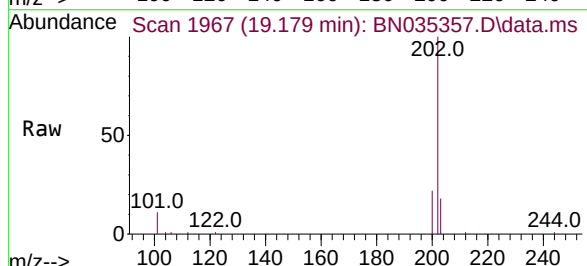
RT: 19.179 min Scan# 1967

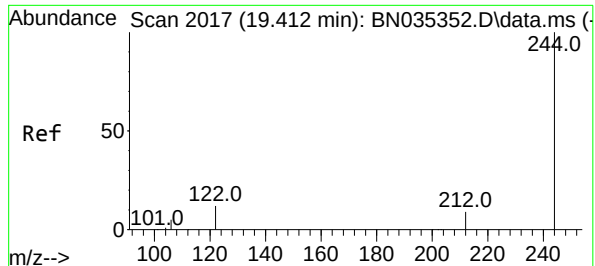
Delta R.T. -0.000 min

Lab File: BN035357.D

Acq: 27 Nov 2024 20:21

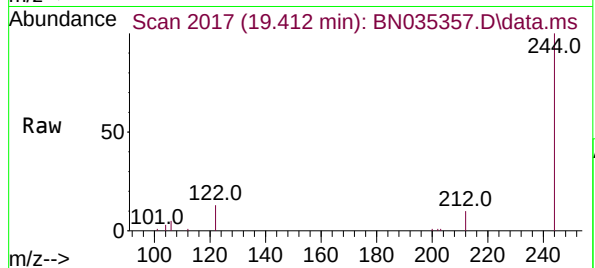
Tgt Ion:202	Resp:	11476
Ion Ratio	Lower	Upper
202	100	
200	20.9	17.0 25.4
203	17.8	14.3 21.5





#31
Terphenyl-d14
Concen: 0.420 ng
RT: 19.412 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

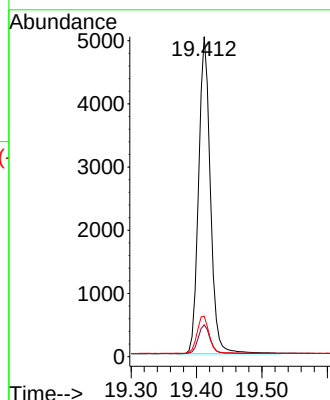
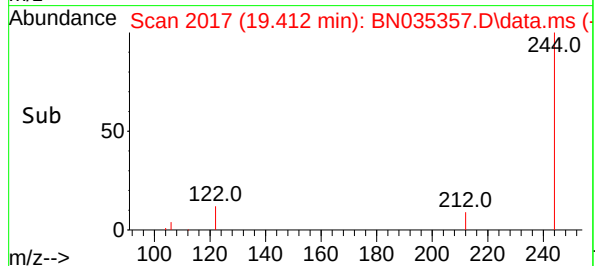
Instrument :
BNA_N
ClientSampleId :
ICVBN112724



Tgt Ion:244 Resp: 6272
Ion Ratio Lower Upper
244 100
212 9.9 8.1 12.1
122 12.6 10.3 15.5

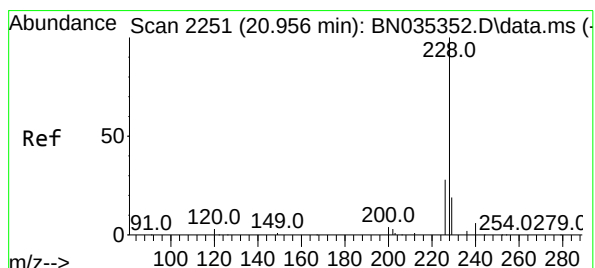
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Patel



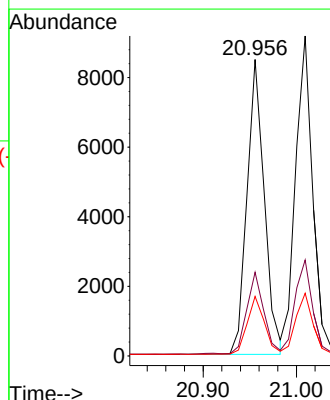
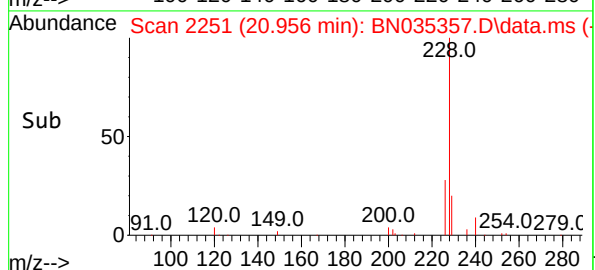
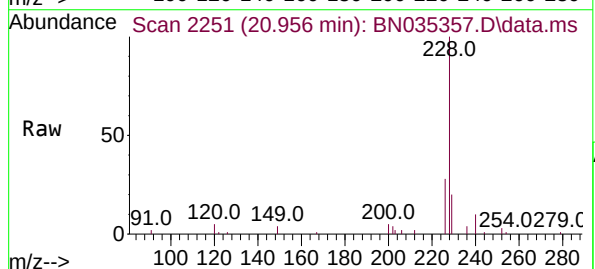
11/29/2024
Supervised By :mohammad
ahmed

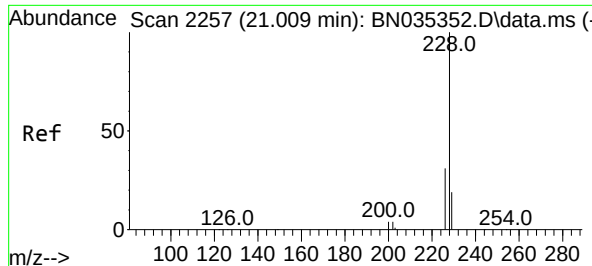
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#32
Benzo(a)anthracene
Concen: 0.413 ng
RT: 20.956 min Scan# 2251
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:228 Resp: 10934
Ion Ratio Lower Upper
228 100
226 28.2 22.5 33.7
229 20.1 15.8 23.8





#33

Chrysene

Concen: 0.436 ng

RT: 21.009 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035357.D

Acq: 27 Nov 2024 20:21

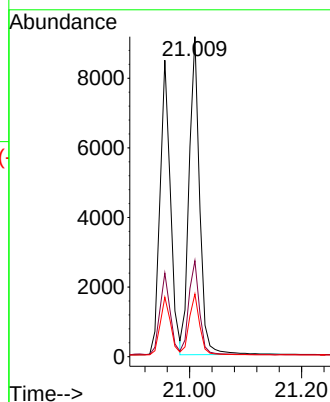
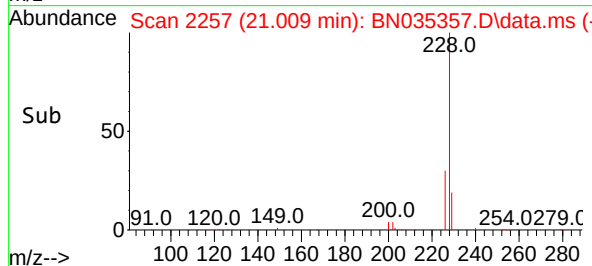
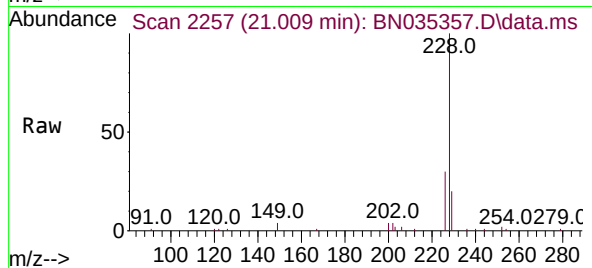
Instrument :

BNA_N

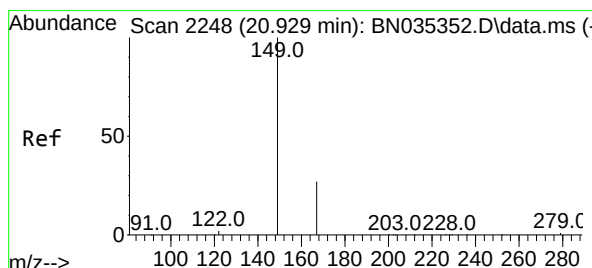
ClientSampleId :

ICVBN112724

Tgt Ion:228	Resp: 11920
Ion Ratio	Lower Upper
228 100	
226 30.0	24.6 37.0
229 19.6	15.9 23.9

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Patel11/29/2024
Supervised By :mohammad
ahmed

11/29/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.384 ng

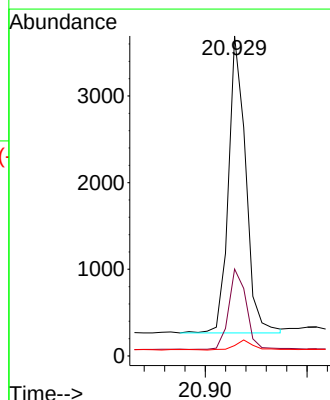
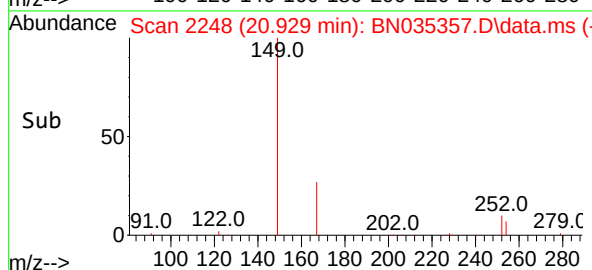
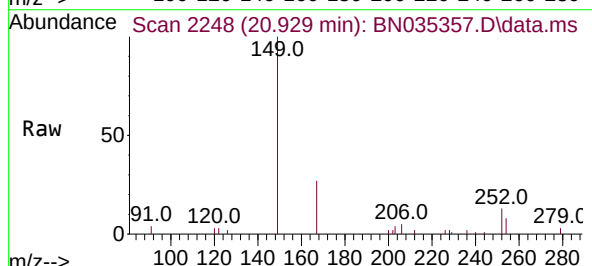
RT: 20.929 min Scan# 2248

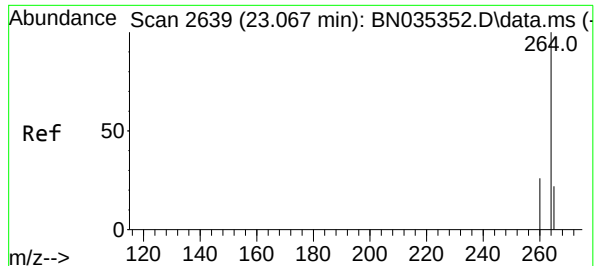
Delta R.T. -0.000 min

Lab File: BN035357.D

Acq: 27 Nov 2024 20:21

Tgt Ion:149	Resp: 4016
Ion Ratio	Lower Upper
149 100	
167 27.7	22.2 33.4
279 3.7	2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.067 min Scan# 2639

Delta R.T. -0.000 min

Lab File: BN035357.D

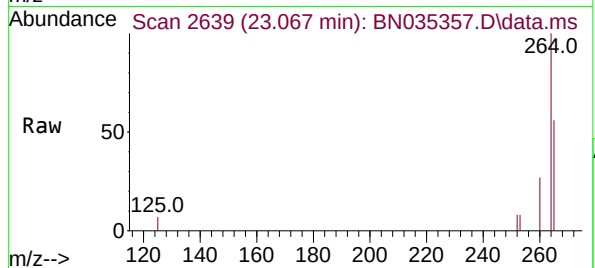
Acq: 27 Nov 2024 20:21

Instrument :

BNA_N

ClientSampleId :

ICVBN112724



Tgt Ion:264 Resp: 8338

Ion Ratio Lower Upper

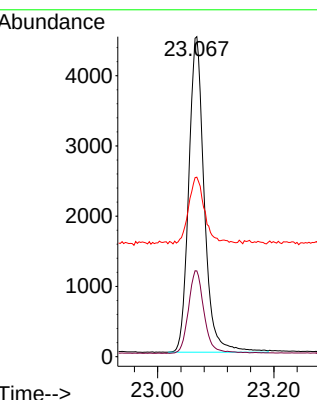
264 100

260 26.8 21.4 32.2

265 56.1 40.2 60.4

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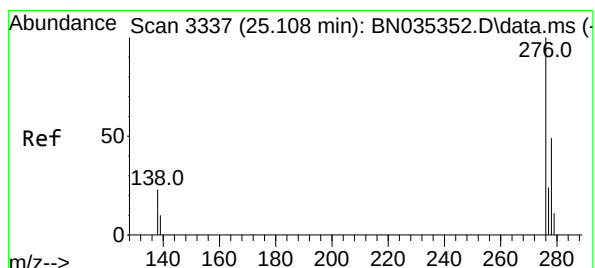
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Patel

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Supervised By :mohammad
ahmed

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#36

Indeno(1,2,3-cd)pyrene

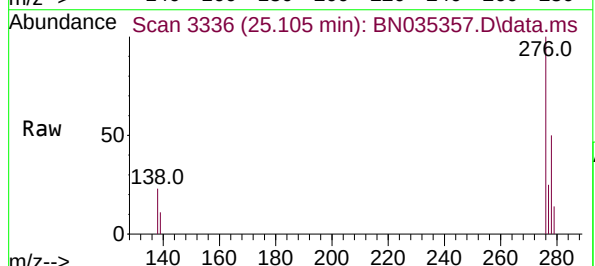
Concen: 0.443 ng

RT: 25.105 min Scan# 3336

Delta R.T. -0.003 min

Lab File: BN035357.D

Acq: 27 Nov 2024 20:21



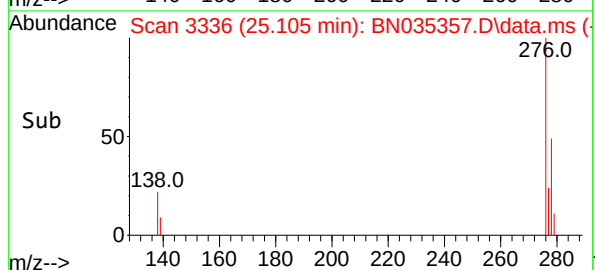
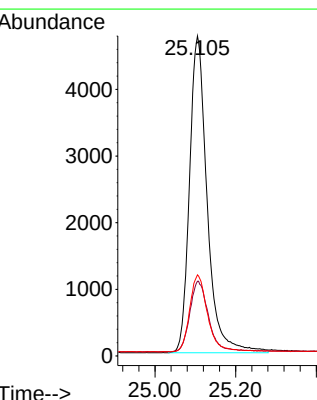
Tgt Ion:276 Resp: 14433

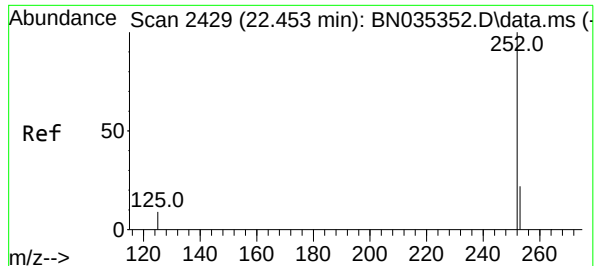
Ion Ratio Lower Upper

276 100

138 23.5 19.4 29.0

277 24.6 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.426 ng

RT: 22.453 min Scan# 2429

Delta R.T. -0.000 min

Lab File: BN035357.D

Acq: 27 Nov 2024 20:21

Instrument :

BNA_N

ClientSampleId :

ICVBN112724

Tgt Ion:252 Resp: 12988

Ion Ratio Lower Upper

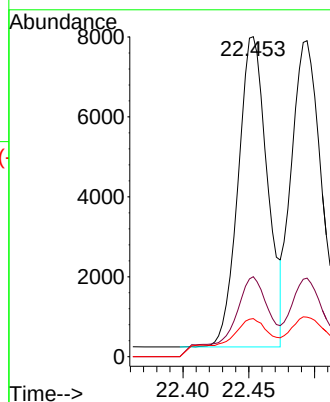
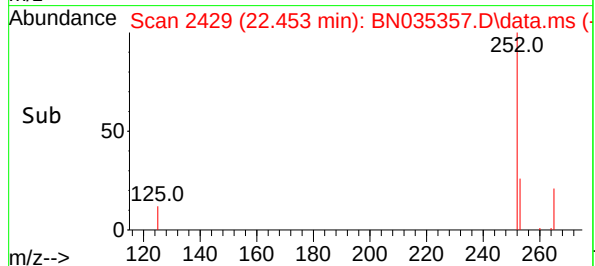
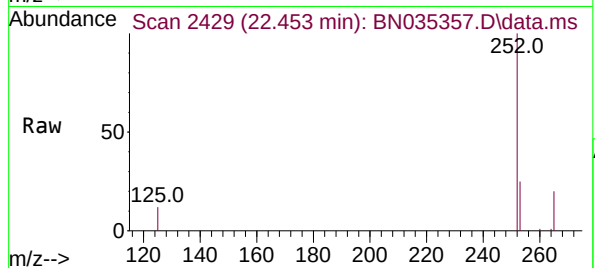
252 100

253 25.0 19.6 29.4

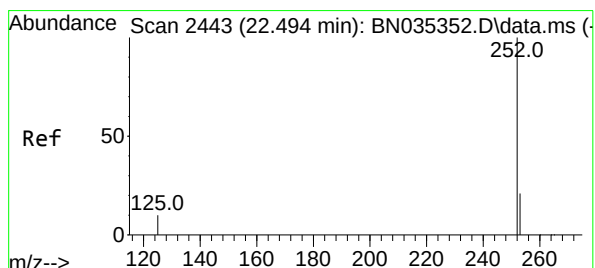
125 11.9 9.6 14.4

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ahmed

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#38

Benzo(k)fluoranthene

Concen: 0.422 ng

RT: 22.494 min Scan# 2443

Delta R.T. -0.000 min

Lab File: BN035357.D

Acq: 27 Nov 2024 20:21

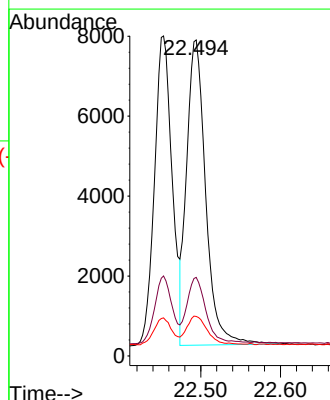
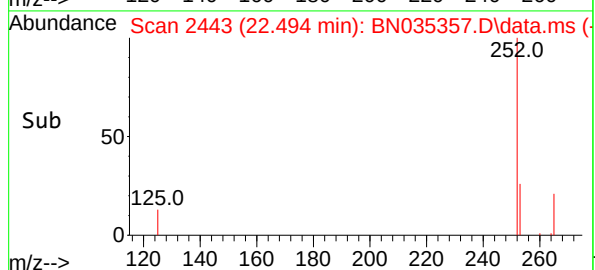
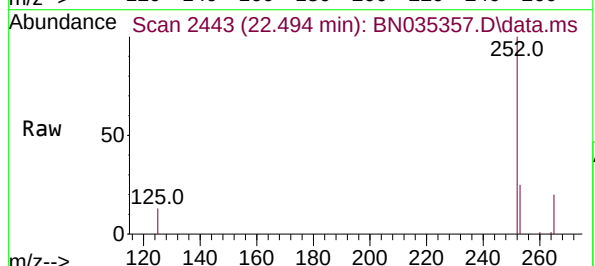
Tgt Ion:252 Resp: 12669

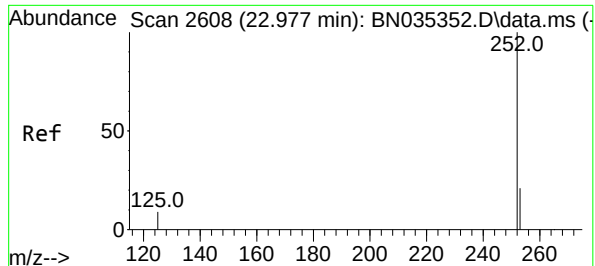
Ion Ratio Lower Upper

252 100

253 24.8 19.5 29.3

125 12.5 10.2 15.4





#39

Benzo(a)pyrene

Concen: 0.442 ng

RT: 22.974 min Scan# 2607

Delta R.T. -0.003 min

Lab File: BN035357.D

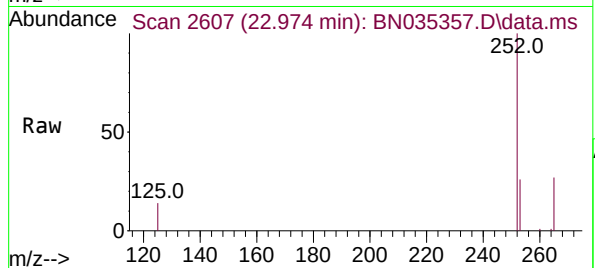
Acq: 27 Nov 2024 20:21

Instrument :

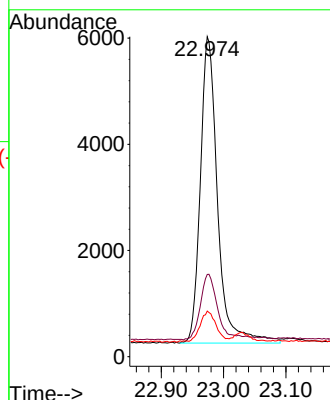
BNA_N

ClientSampleId :

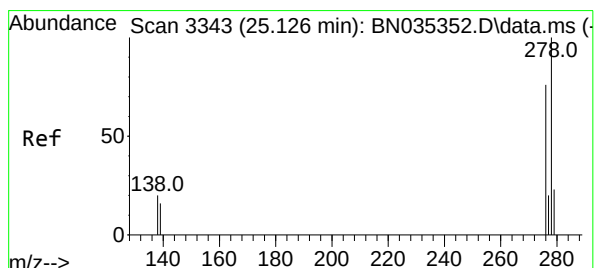
ICVBN112724



Tgt Ion:	252	Resp:	11094
Ion Ratio	Lower	Upper	
252	100		
253	25.7	20.2	30.4
125	14.3	10.9	16.3

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Patel11/29/2024
Supervised By :mohammad
ahmed

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#40

Dibenzo(a,h)anthracene

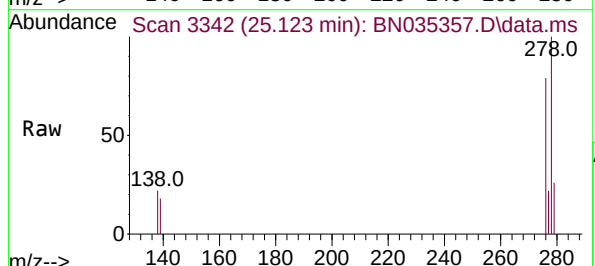
Concen: 0.433 ng

RT: 25.123 min Scan# 3342

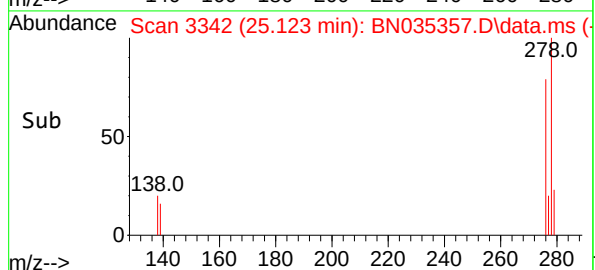
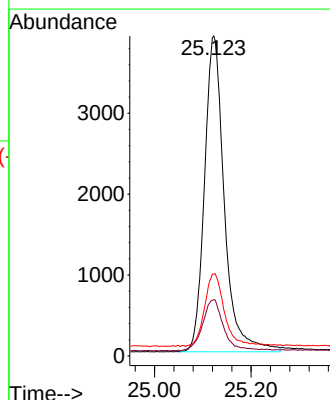
Delta R.T. -0.003 min

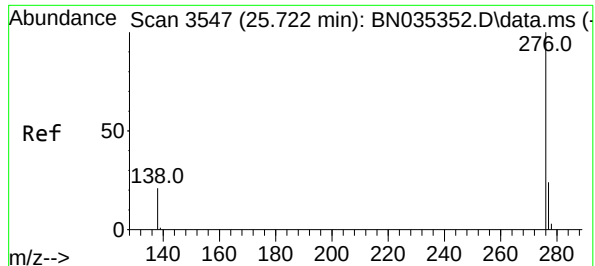
Lab File: BN035357.D

Acq: 27 Nov 2024 20:21



Tgt Ion:	278	Resp:	11141
Ion Ratio	Lower	Upper	
278	100		
139	17.6	14.2	21.4
279	25.6	20.5	30.7





#41

Benzo(g,h,i)perylene

Concen: 0.404 ng

RT: 25.722 min Scan# 3

Delta R.T. -0.000 min

Lab File: BN035357.D

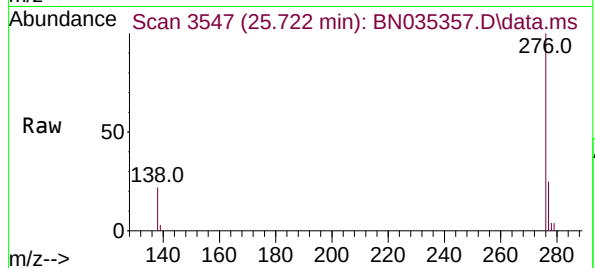
Acq: 27 Nov 2024 20:21

Instrument :

BNA_N

ClientSampleId :

ICVBN112724



Tgt Ion:276 Resp: 10870

Ion Ratio Lower Upper

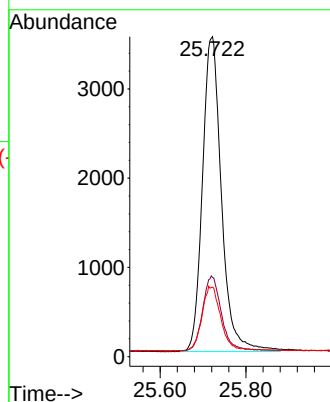
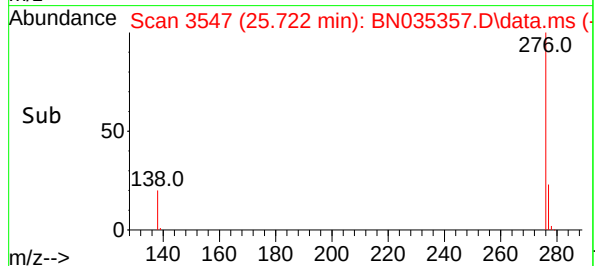
276 100

277 24.7 19.9 29.9

138 21.7 17.8 26.8

Manual Integrations

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Reviewed By :Yogesh
Patel

11/29/2024

Supervised By :mohammad
ahmed

11/29/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035357.D
 Acq On : 27 Nov 2024 20:21
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112724

Quant Time: Nov 27 23:06:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	75	0.00
2	1,4-Dioxane	0.382	0.444	-16.2	89	0.00
3	n-Nitrosodimethylamine	0.319	0.321	-0.6	74	0.00
4 S	2-Fluorophenol	1.001	0.831	17.0	61	0.00
5 S	Phenol-d6	1.204	0.933	22.5	59	0.00
6	bis(2-Chloroethyl)ether	1.012	1.088	-7.5	82	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	75	0.00
8 S	Nitrobenzene-d5	0.244	0.240	1.6	76	0.00
9	Naphthalene	1.055	1.118	-6.0	80	0.00
10	Hexachlorobutadiene	0.243	0.257	-5.8	78	0.00
11 SURR	2-Methylnaphthalene-d10	0.626	0.657	-5.0	79	0.00
12	2-Methylnaphthalene	0.755	0.809	-7.2	82	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	76	0.00
14 S	2,4,6-Tribromophenol	0.284	0.214	24.6	63	0.00
15 S	2-Fluorobiphenyl	1.512	1.614	-6.7	81	0.00
16	Acenaphthylene	1.680	1.827	-8.8	87	0.00
17	Acenaphthene	1.115	1.188	-6.5	83	0.00
18	Fluorene	1.596	1.676	-5.0	82	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	77	-0.01
20	4,6-Dinitro-2-methylphenol	0.039	0.036	7.7	78	0.00
21	4-Bromophenyl-phenylether	0.234	0.237	-1.3	81	0.00
22	Hexachlorobenzene	0.275	0.293	-6.5	83	0.00
23	Atrazine	0.167	0.167	0.0	84	0.00
24	Pentachlorophenol	0.120	0.090	25.0	73	0.00
25	Phenanthrene	1.099	1.158	-5.4	84	0.00
26	Anthracene	0.994	1.068	-7.4	88	0.00
27 SURR	Fluoranthene-d10	1.134	1.145	-1.0	82	0.00
28	Fluoranthene	1.481	1.489	-0.5	81	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	80	0.00
30	Pyrene	1.477	1.515	-2.6	82	0.00
31 S	Terphenyl-d14	0.789	0.828	-4.9	83	0.00
32	Benzo(a)anthracene	1.399	1.443	-3.1	85	0.00
33	Chrysene	1.443	1.574	-9.1	87	0.00
34	Bis(2-ethylhexyl)phthalate	0.553	0.530	4.2	82	0.00
35 I	Perylene-d12	1.000	1.000	0.0	77	0.00
36	Indeno(1,2,3-cd)pyrene	1.564	1.731	-10.7	87	0.00
37	Benzo(b)fluoranthene	1.463	1.558	-6.5	91	0.00
38	Benzo(k)fluoranthene	1.440	1.519	-5.5	83	0.00
39 C	Benzo(a)pyrene	1.205	1.331	-10.5	89	0.00
40	Dibenzo(a,h)anthracene	1.234	1.336	-8.3	86	0.00
41	Benzo(g,h,i)perylene	1.289	1.304	-1.2	80	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

ClientSampleId :

ICVBN112724

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035357.D
 Acq On : 27 Nov 2024 20:21
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112724

Quant Time: Nov 27 23:06:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	75	0.00
2	1,4-Dioxane	0.400	0.465	-16.3	89	0.00
3	n-Nitrosodimethylamine	0.400	0.404	-1.0	74	0.00
4 S	2-Fluorophenol	0.400	0.332	17.0	61	0.00
5 S	Phenol-d6	0.400	0.310	22.5	59	0.00
6	bis(2-Chloroethyl)ether	0.400	0.430	-7.5	82	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	75	0.00
8 S	Nitrobenzene-d5	0.400	0.393	1.8	76	0.00
9	Naphthalene	0.400	0.424	-6.0	80	0.00
10	Hexachlorobutadiene	0.400	0.423	-5.7	78	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.420	-5.0	79	0.00
12	2-Methylnaphthalene	0.400	0.428	-7.0	82	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	76	0.00
14 S	2,4,6-Tribromophenol	0.400	0.302	24.5	63	0.00
15 S	2-Fluorobiphenyl	0.400	0.427	-6.7	81	0.00
16	Acenaphthylene	0.400	0.435	-8.7	87	0.00
17	Acenaphthene	0.400	0.426	-6.5	83	0.00
18	Fluorene	0.400	0.420	-5.0	82	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	77	-0.01
20	4,6-Dinitro-2-methylphenol	0.400	0.364	9.0	78	0.00
21	4-Bromophenyl-phenylether	0.400	0.405	-1.3	81	0.00
22	Hexachlorobenzene	0.400	0.426	-6.5	83	0.00
23	Atrazine	0.400	0.401	-0.3	84	0.00
24	Pentachlorophenol	0.400	0.301	24.8	73	0.00
25	Phenanthrene	0.400	0.421	-5.2	84	0.00
26	Anthracene	0.400	0.430	-7.5	88	0.00
27 SURR	Fluoranthene-d10	0.400	0.404	-1.0	82	0.00
28	Fluoranthene	0.400	0.402	-0.5	81	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	80	0.00
30	Pyrene	0.400	0.410	-2.5	82	0.00
31 S	Terphenyl-d14	0.400	0.420	-5.0	83	0.00
32	Benzo(a)anthracene	0.400	0.413	-3.2	85	0.00
33	Chrysene	0.400	0.436	-9.0	87	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.384	4.0	82	0.00
35 I	Perylene-d12	0.400	0.400	0.0	77	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.443	-10.7	87	0.00
37	Benzo(b)fluoranthene	0.400	0.426	-6.5	91	0.00
38	Benzo(k)fluoranthene	0.400	0.422	-5.5	83	0.00
39 C	Benzo(a)pyrene	0.400	0.442	-10.5	89	0.00
40	Dibenzo(a,h)anthracene	0.400	0.433	-8.2	86	0.00
41	Benzo(g,h,i)perylene	0.400	0.404	-1.0	80	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

ClientSampleId :

ICVBN112724



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG No.: P4959

Instrument ID: BNA_N Calibration Date/Time: 11/25/2024 23:02

Lab File ID: BN035293.D Init. Calib. Date(s): 11/25/2024 11/25/2024

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 10:16 13:52

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.560	0.590		5.4	20.0
Fluoranthene-d10	1.070	0.923		-13.7	20.0
2-Fluorophenol	0.756	0.976		29.1	20.0
Phenol-d6	1.056	1.259		19.2	20.0
Nitrobenzene-d5	0.324	0.198		-38.9	20.0
2-Fluorobiphenyl	0.221	0.145		-34.4	20.0
2,4,6-Tribromophenol	0.204	0.212		3.9	20.0
Terphenyl-d14	7.392	8.364		13.1	20.0
1,4-Dioxane	0.288	0.361		25.3	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035293.D
 Acq On : 25 Nov 2024 23:02
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 26 02:53:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 02:36:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

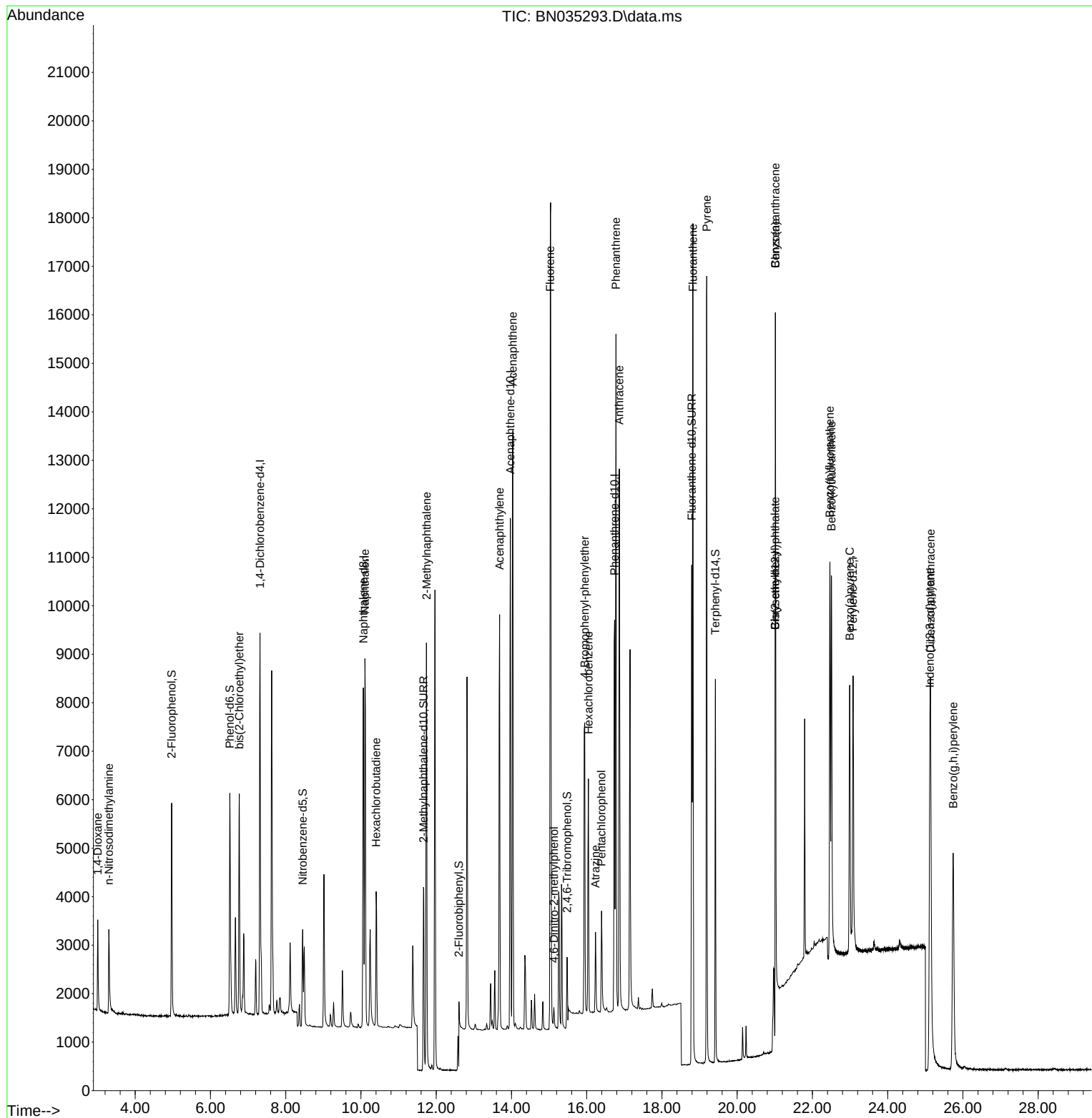
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3724	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	9273	0.400	ng	# 0.00
13) Acenaphthene-d10	13.973	164	5865	0.400	ng	# 0.00
19) Phenanthrene-d10	16.741	188	12563	0.400	ng	# 0.00
29) Chrysene-d12	21.006	240	932	0.400	ng	# 0.00
35) Perylene-d12	23.078	264	7119	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	3633	0.516	ng	0.00
5) Phenol-d6	6.513	99	4690	0.477	ng	0.00
8) Nitrobenzene-d5	8.450	82	1837m	0.244	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	5475	0.422	ng	0.00
14) 2,4,6-Tribromophenol	15.480	330	1245	0.416	ng	0.00
15) 2-Fluorobiphenyl	12.604	172	851	0.263	ng	0.00
27) Fluoranthene-d10	18.790	212	11601	0.345	ng	0.00
31) Terphenyl-d14	19.422	244	7795	0.453	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	1344	0.502	ng	# 72
3) n-Nitrosodimethylamine	3.299	42	1095	0.395	ng	# 72
6) bis(2-Chloroethyl)ether	6.766	93	3610	0.436	ng	98
9) Naphthalene	10.105	128	9911	0.385	ng	100
10) Hexachlorobutadiene	10.404	225	2320	0.321	ng	# 100
12) 2-Methylnaphthalene	11.742	142	6764	0.402	ng	98
16) Acenaphthylene	13.684	152	9720	0.329	ng	99
17) Acenaphthene	14.037	154	6539	0.352	ng	# 85
18) Fluorene	15.031	166	8779	0.337	ng	98
20) 4,6-Dinitro-2-methylph...	15.127	198	368	0.392	ng	96
21) 4-Bromophenyl-phenylether	15.946	248	3083	0.387	ng	# 78
22) Hexachlorobenzene	16.046	284	3763	0.330	ng	99
23) Atrazine	16.232	200	1428	0.425	ng	99
24) Pentachlorophenol	16.393	266	1142	0.417	ng	98
25) Phenanthrene	16.778	178	13726	0.356	ng	100
26) Anthracene	16.865	178	11907	0.359	ng	100
28) Fluoranthene	18.822	202	15419	0.317	ng	100
30) Pyrene	19.189	202	14952	0.441	ng	100
32) Benzo(a)anthracene	21.015	228	11234	0.346	ng	99
33) Chrysene	21.015	228	11234	0.346	ng	99
34) Bis(2-ethylhexyl)phtha...	21.006	149	416	0.233	ng	# 64
36) Indeno(1,2,3-cd)pyrene	25.119	276	11225	0.385	ng	99
37) Benzo(b)fluoranthene	22.464	252	9762	0.316	ng	98
38) Benzo(k)fluoranthene	22.505	252	10556	0.323	ng	98
39) Benzo(a)pyrene	22.991	252	8259	0.349	ng	97
40) Dibenzo(a,h)anthracene	25.140	278	8482	0.385	ng	96
41) Benzo(g,h,i)perylene	25.742	276	9609	0.377	ng	97

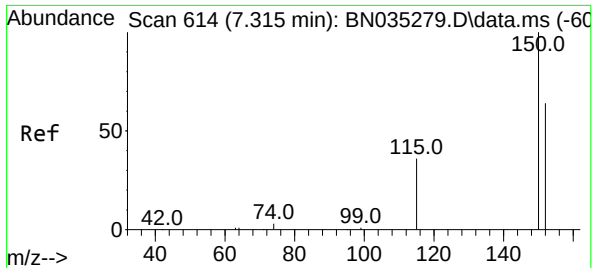
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED

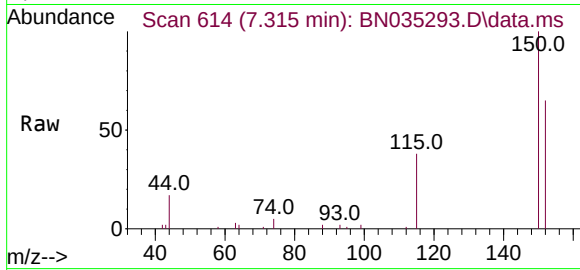
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 614
Delta R.T. 0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

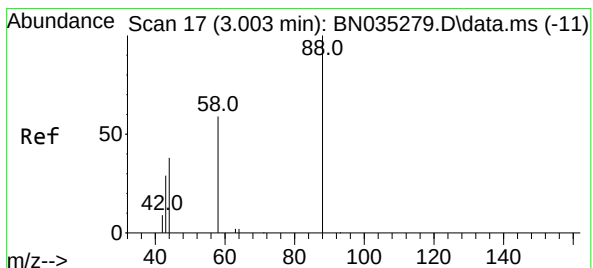
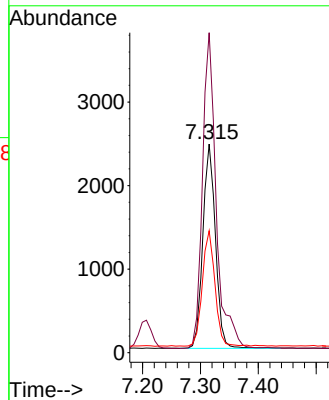
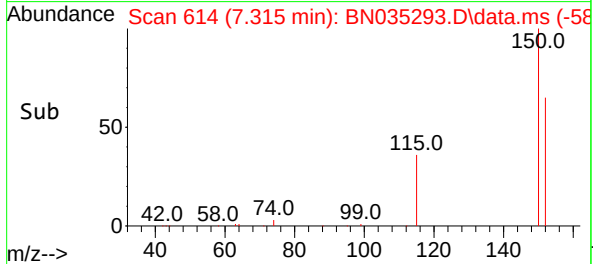
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:152 Resp: 3724
Ion Ratio Lower Upper
152 100
150 153.4 124.5 186.7
115 58.4 47.8 71.8

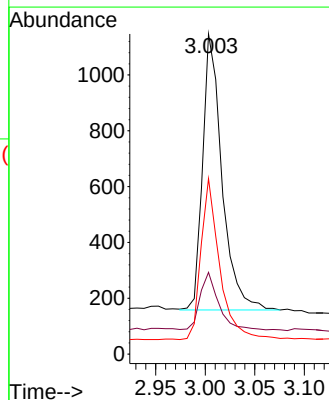
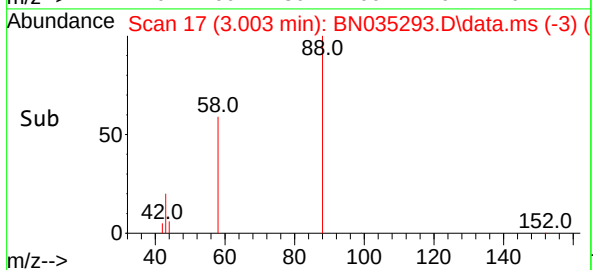
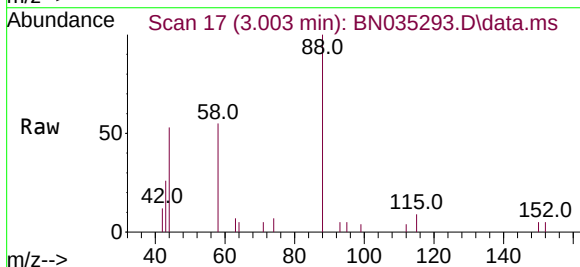
Manual Integrations
APPROVED

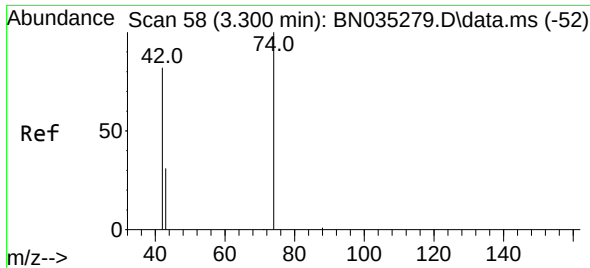
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#2
1,4-Dioxane
Concen: 0.502 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion: 88 Resp: 1344
Ion Ratio Lower Upper
88 100
43 19.7 48.1 72.1#
58 56.6 46.9 70.3





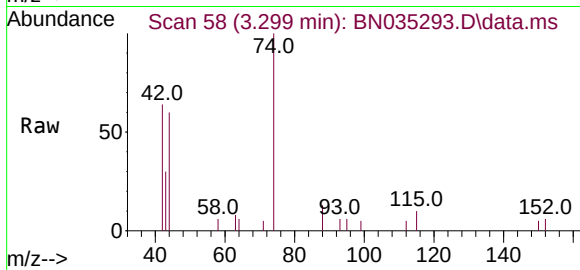
#3
n-Nitrosodimethylamine
Concen: 0.395 ng
RT: 3.299 min Scan# 58
Delta R.T. -0.001 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

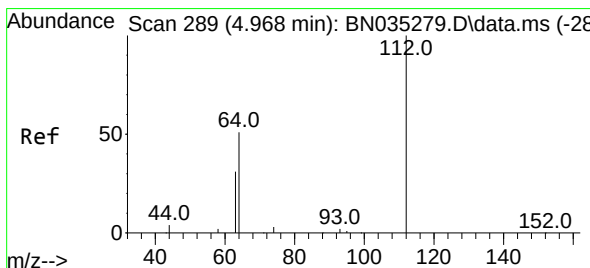
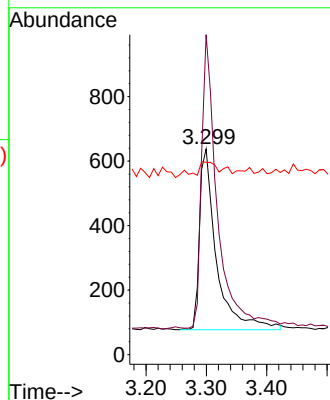
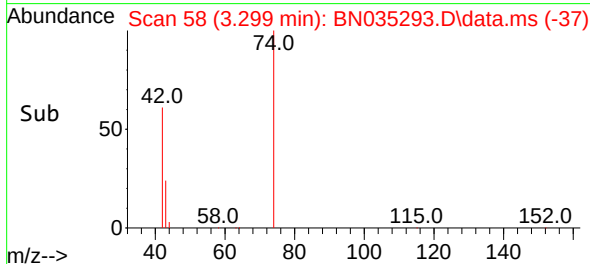


Tgt Ion: 42 Resp: 109
Ion Ratio Lower Upper
42 100
74 151.0 102.7 154.1
44 9.1 34.1 51.1

Manual Integrations

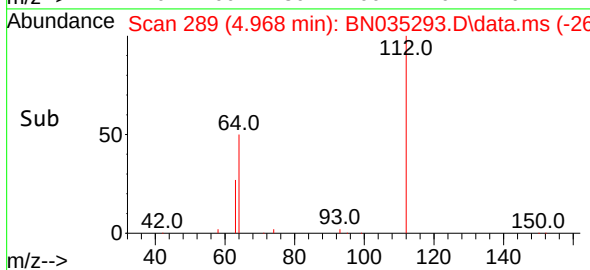
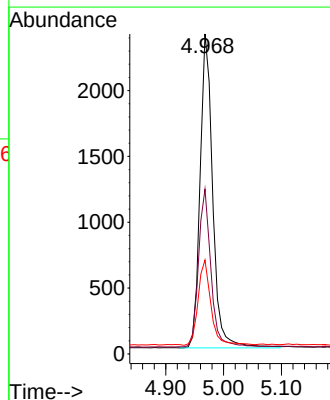
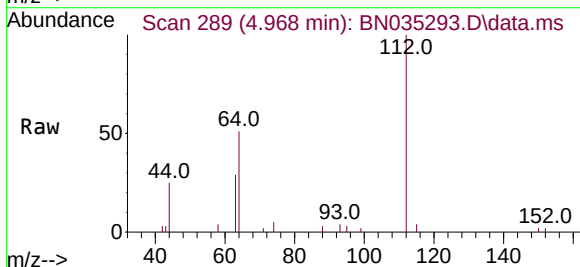
APPROVED

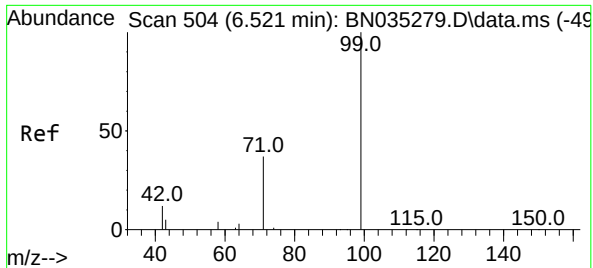
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#4
2-Fluorophenol
Concen: 0.516 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

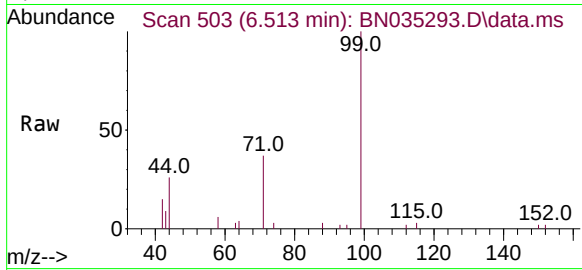
Tgt Ion:112 Resp: 3633
Ion Ratio Lower Upper
112 100
64 49.6 40.4 60.6
63 27.7 23.8 35.8





#5
Phenol-d6
Concen: 0.477 ng
RT: 6.513 min Scan# 504
Delta R.T. -0.007 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

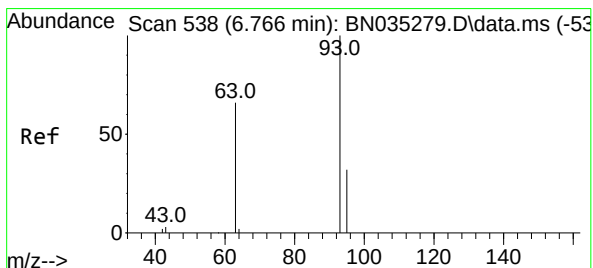
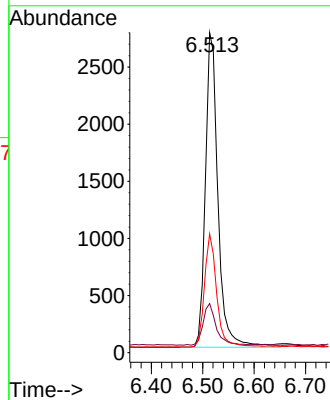
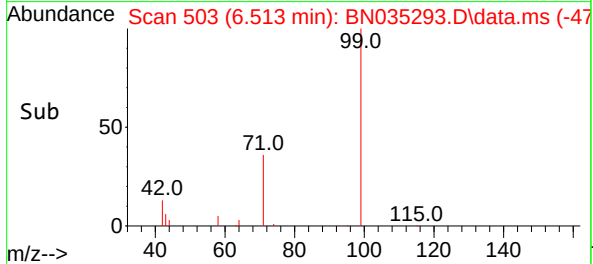
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion: 99 Resp: 4690
Ion Ratio Lower Upper
99 100
42 13.7 12.8 19.2
71 35.0 31.4 47.2

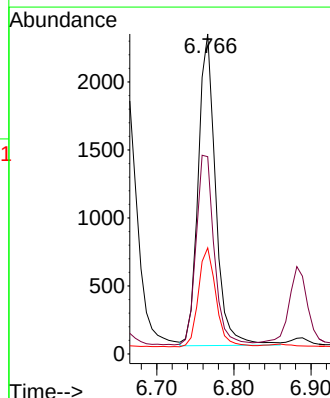
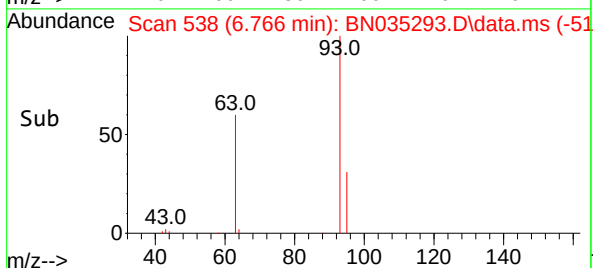
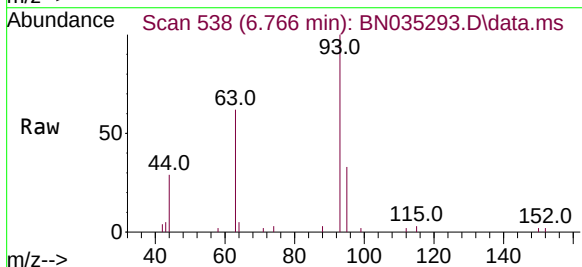
Manual Integrations
APPROVED

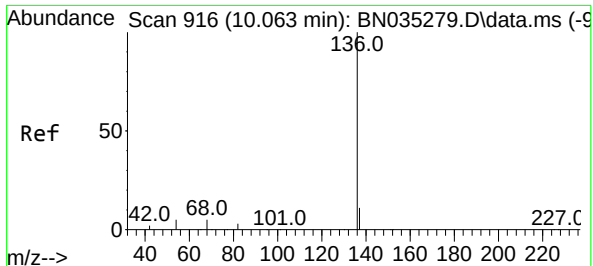
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#6
bis(2-Chloroethyl)ether
Concen: 0.436 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

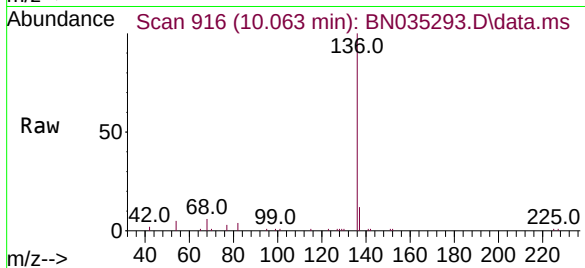
Tgt Ion: 93 Resp: 3610
Ion Ratio Lower Upper
93 100
63 63.1 52.3 78.5
95 31.8 25.5 38.3





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

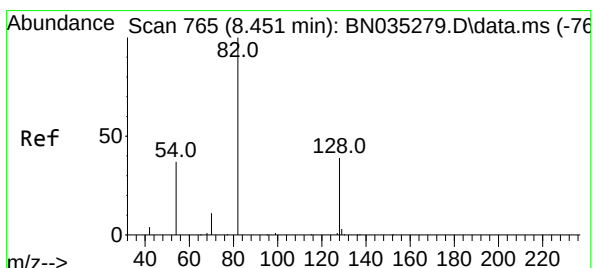
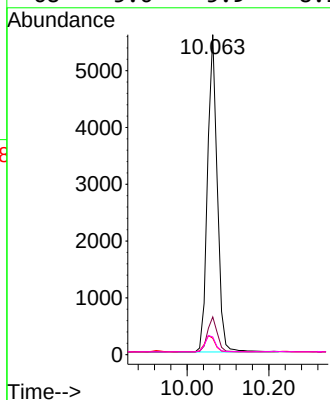
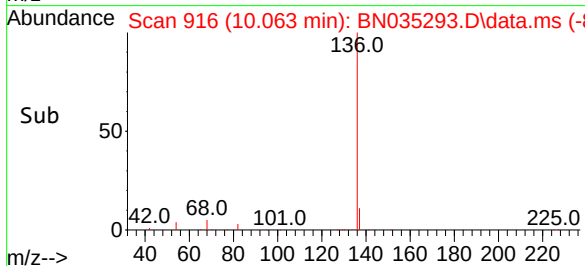
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion: 136 Resp: 927
Ion Ratio Lower Upper
136 100
137 11.8 9.7 14.5
54 5.2 5.3 7.9
68 5.6 5.9 8.9#

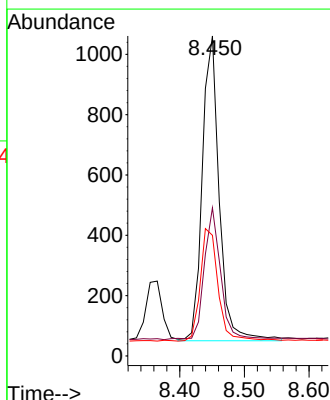
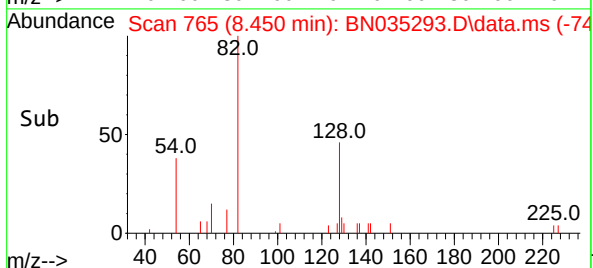
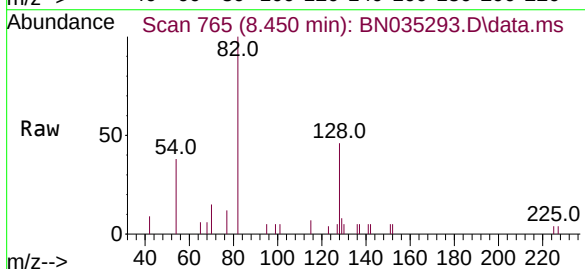
Manual Integrations
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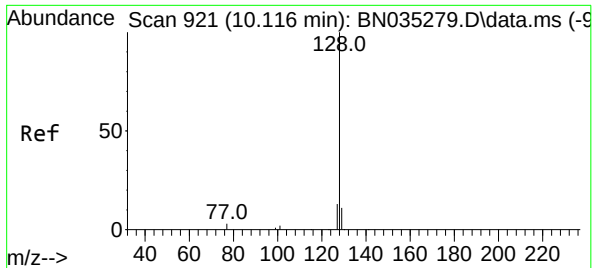
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#8
Nitrobenzene-d5
Concen: 0.244 ng m
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion: 82 Resp: 1837
Ion Ratio Lower Upper
82 100
128 46.3 33.0 49.4
54 37.7 33.3 49.9





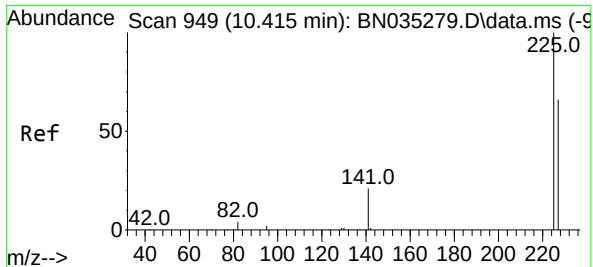
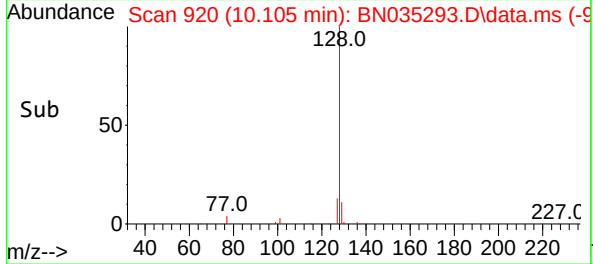
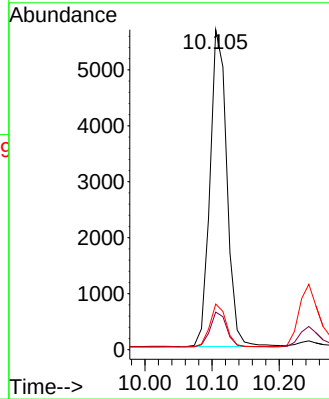
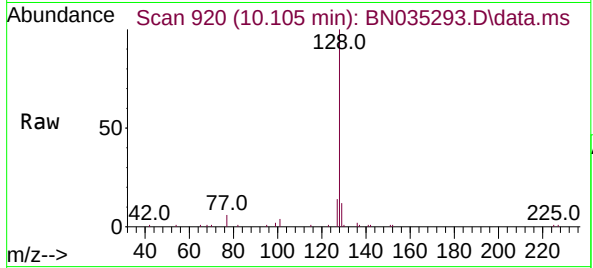
#9
Naphthalene
Concen: 0.385 ng
RT: 10.105 min Scan# 911
Delta R.T. -0.011 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 991
Ion Ratio Lower Upper
128 100
129 11.7 9.6 14.4
127 14.2 11.3 16.9

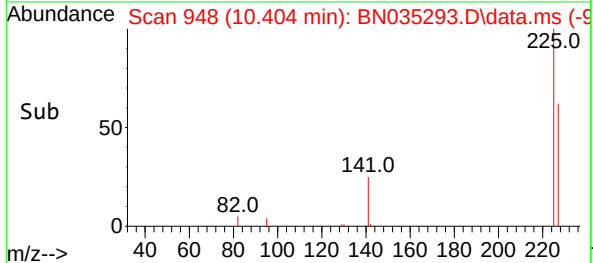
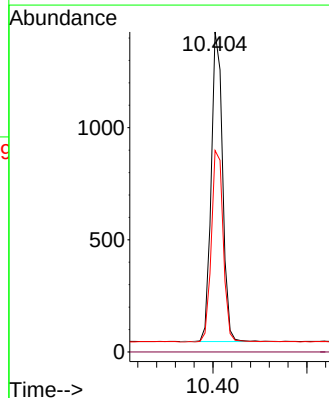
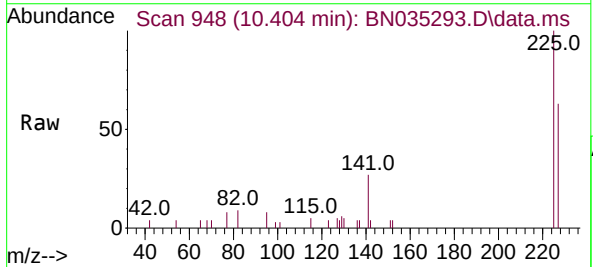
Manual Integrations
APPROVED

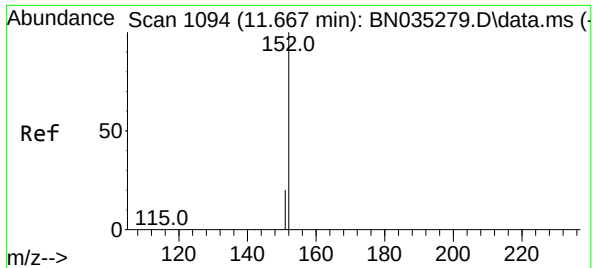
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#10
Hexachlorobutadiene
Concen: 0.321 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

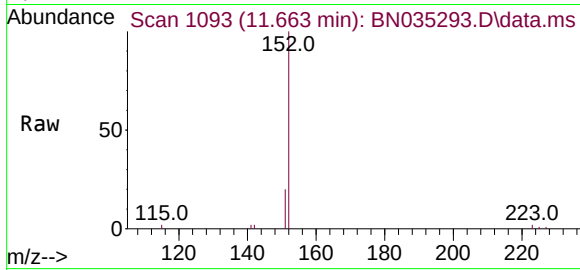
Tgt Ion:225 Resp: 2320
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.5 51.3 76.9





#11
2-Methylnaphthalene-d10
Concen: 0.422 ng
RT: 11.663 min Scan# 1094
Delta R.T. -0.004 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

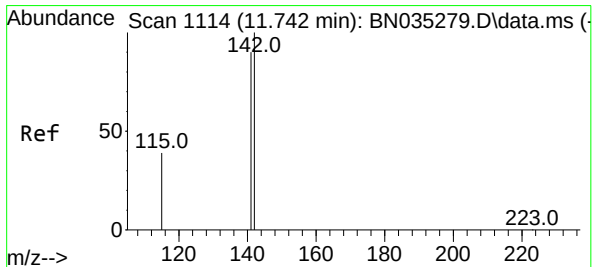
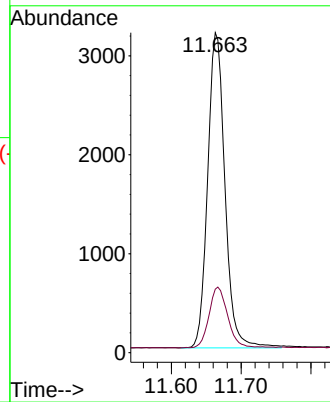
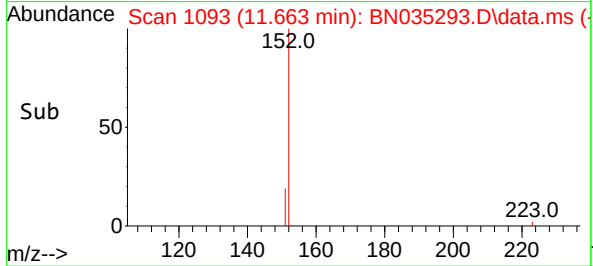
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:152 Resp: 5475
Ion Ratio Lower Upper
152 100
151 20.9 17.2 25.8

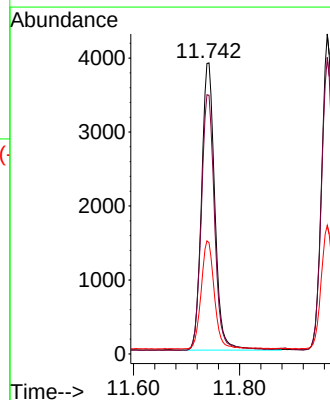
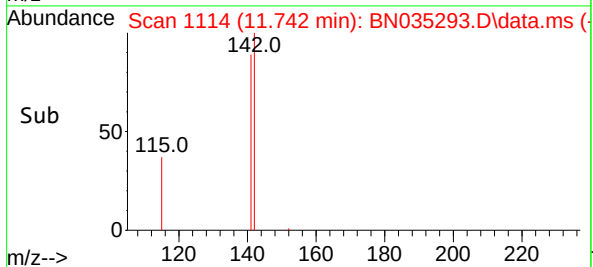
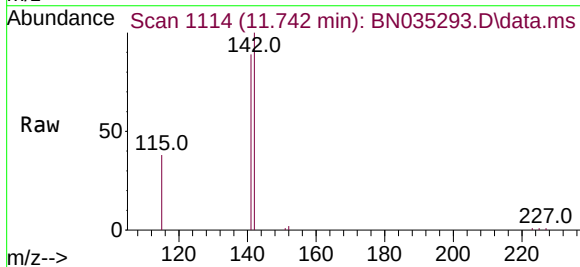
Manual Integrations
APPROVED

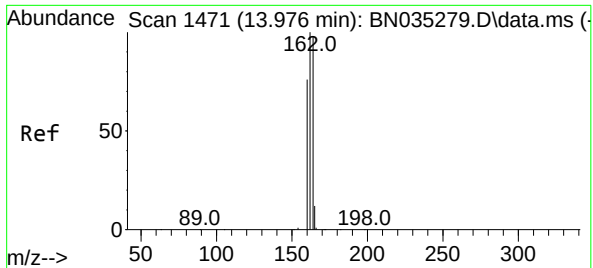
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#12
2-Methylnaphthalene
Concen: 0.402 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

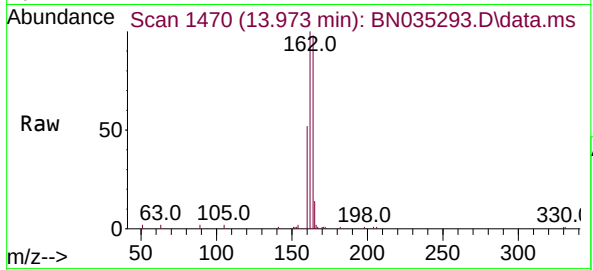
Tgt Ion:142 Resp: 6764
Ion Ratio Lower Upper
142 100
141 88.9 71.8 107.8
115 38.2 32.6 49.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.973 min Scan# 1470
Delta R.T. -0.004 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

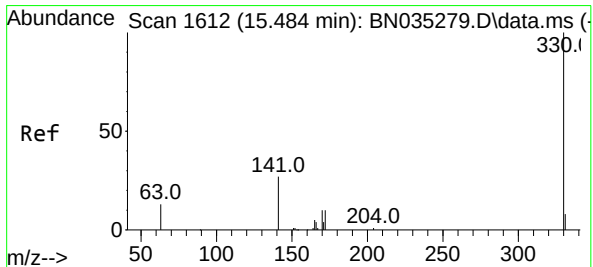
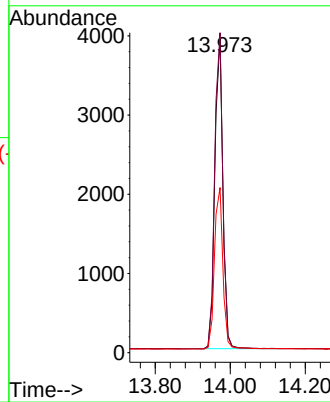
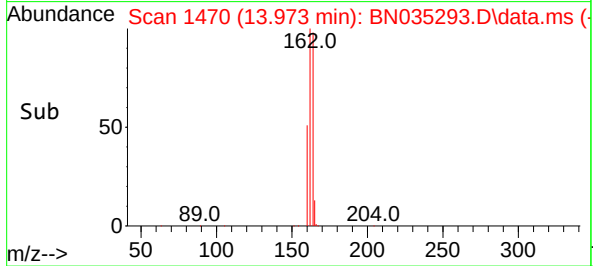
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:164 Resp: 586
Ion Ratio Lower Upper
164 100
162 101.6 82.0 123.0
160 52.4 63.0 94.4

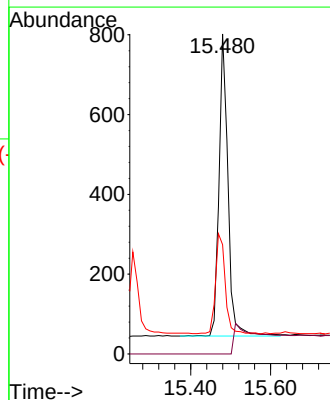
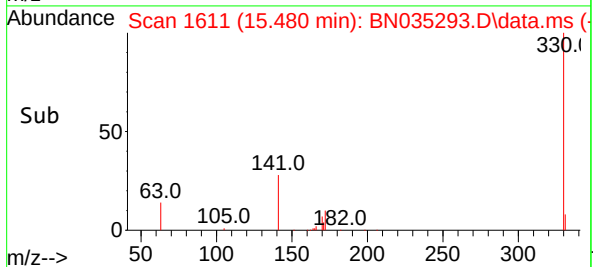
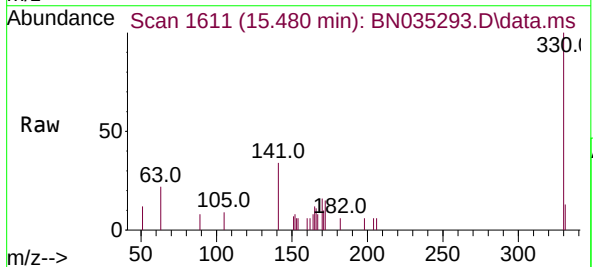
Manual Integrations
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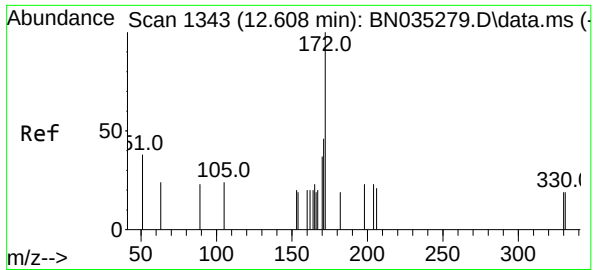
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#14
2,4,6-Tribromophenol
Concen: 0.416 ng
RT: 15.480 min Scan# 1611
Delta R.T. -0.004 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion:330 Resp: 1245
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.1 32.4 48.6





#15
2-Fluorobiphenyl
Concen: 0.263 ng
RT: 12.604 min Scan# 1442
Delta R.T. -0.004 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

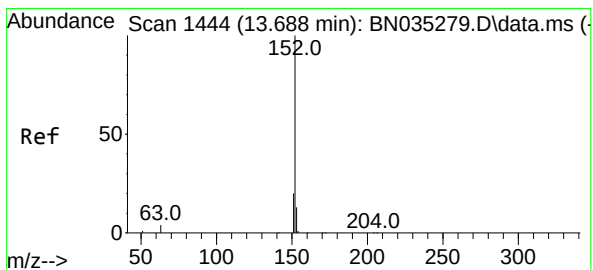
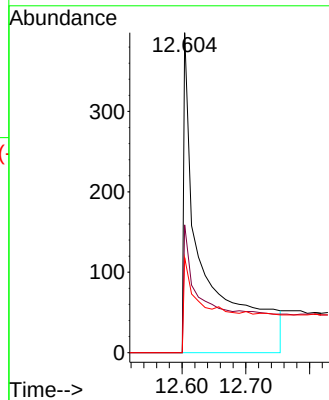
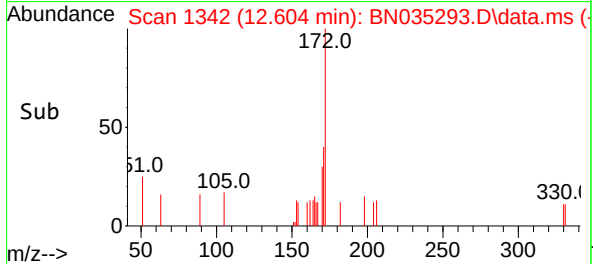
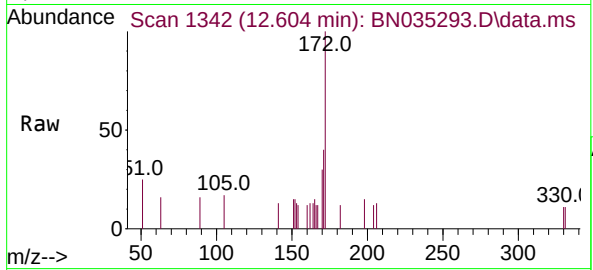
Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.9	36.6	55.0
170	29.6	29.7	44.5

Manual Integrations

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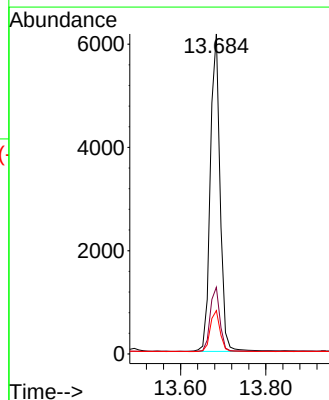
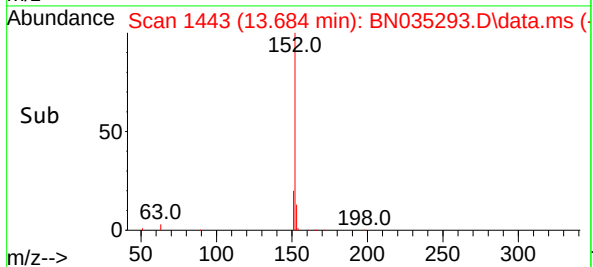
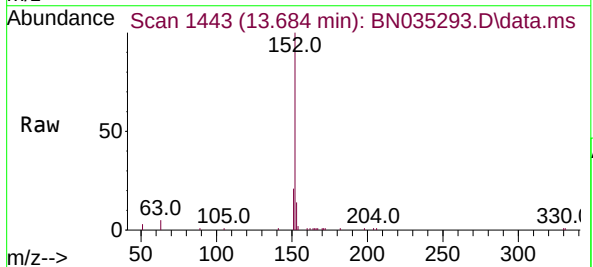
Reviewed By :Yogesh Patel 11/27/2024

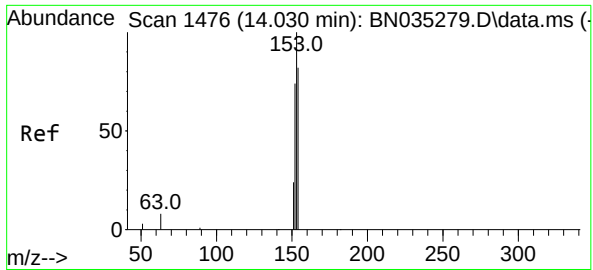
Supervised By :mohammad ahmed 11/27/2024



#16
Acenaphthylene
Concen: 0.329 ng
RT: 13.684 min Scan# 1443
Delta R.T. -0.004 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.1	10.2	15.4





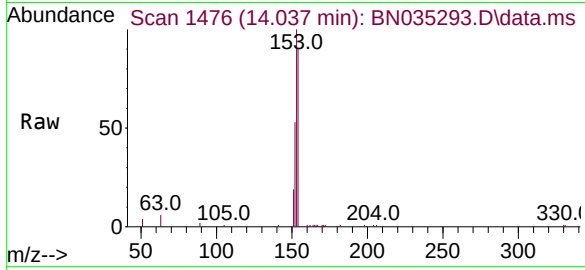
#17
Acenaphthene
Concen: 0.352 ng
RT: 14.037 min Scan# 1476
Delta R.T. 0.007 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



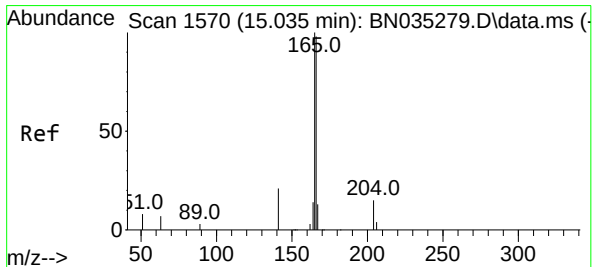
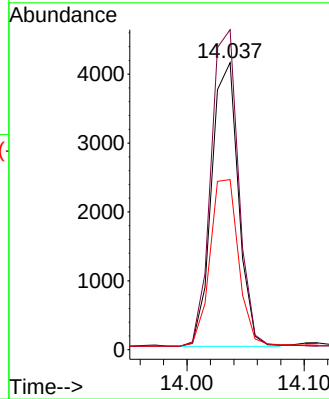
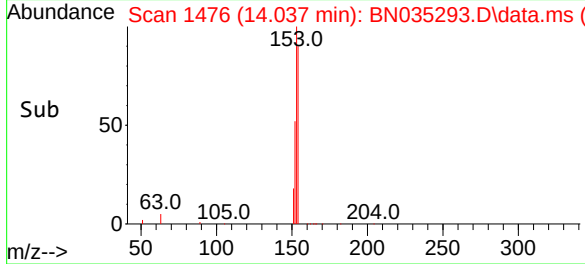
Tgt Ion:154 Resp: 6539
Ion Ratio Lower Upper
154 100
153 115.4 96.1 144.1
152 63.2 72.2 108.2

Manual Integrations

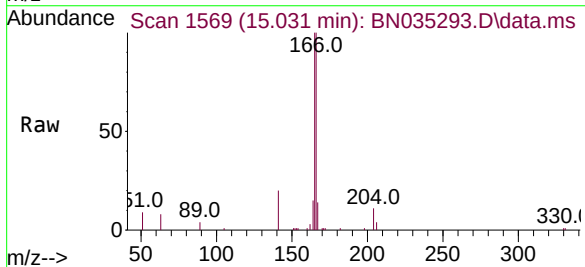
APPROVED

Reviewed By :Yogesh Patel 11/27/2024

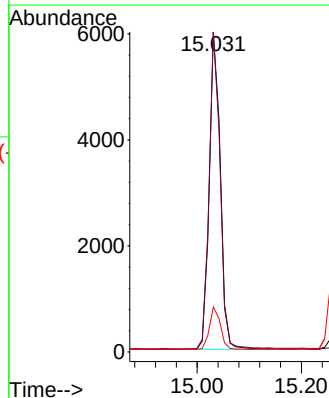
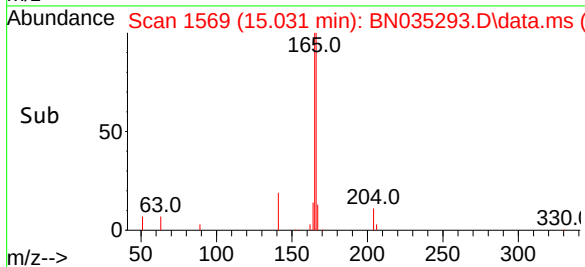
Supervised By :mohammad ahmed 11/27/2024

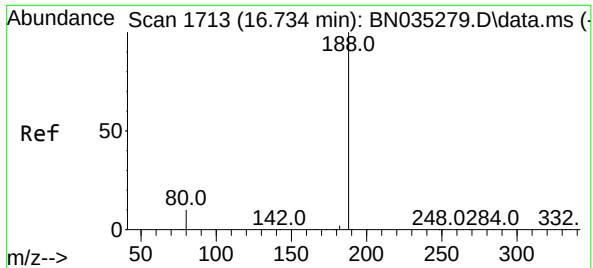


#18
Fluorene
Concen: 0.337 ng
RT: 15.031 min Scan# 1569
Delta R.T. -0.004 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02



Tgt Ion:166 Resp: 8779
Ion Ratio Lower Upper
166 100
165 98.8 81.2 121.8
167 13.3 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.741 min Scan# 11

Delta R.T. 0.007 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion:188 Resp: 1256

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

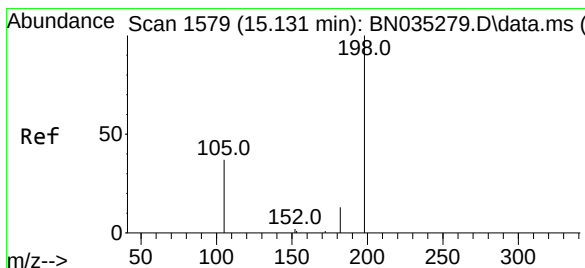
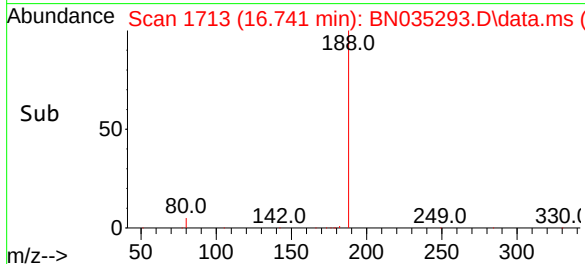
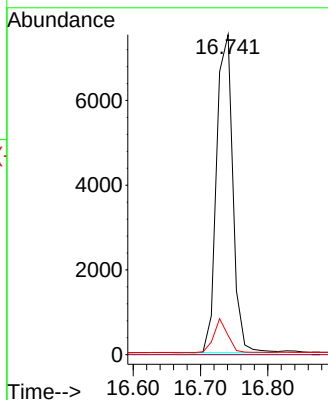
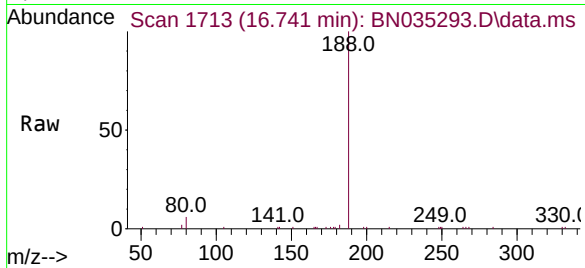
80 6.0 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#20

4,6-Dinitro-2-methylphenol

Concen: 0.392 ng

RT: 15.127 min Scan# 1578

Delta R.T. -0.004 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

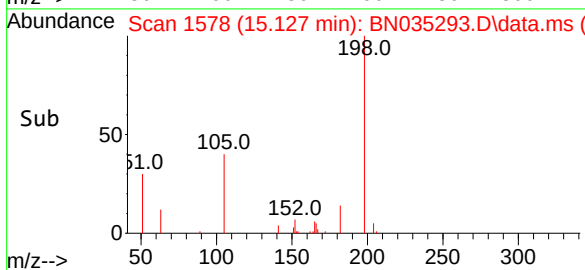
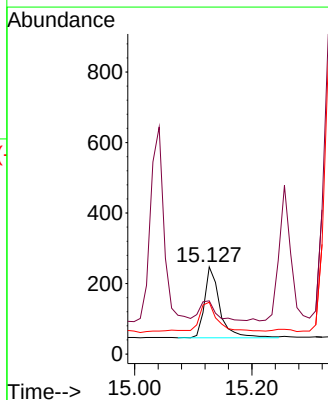
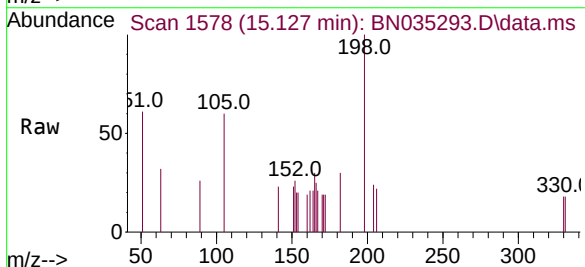
Tgt Ion:198 Resp: 368

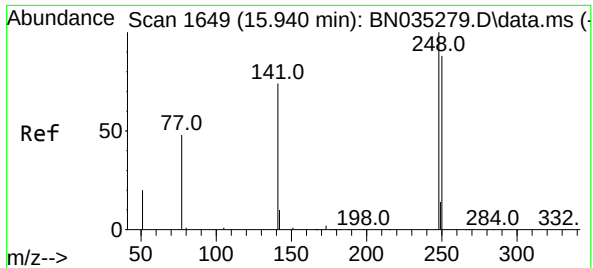
Ion Ratio Lower Upper

198 100

51 61.1 53.6 80.4

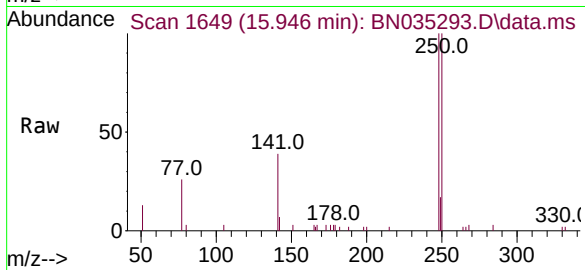
105 59.5 47.4 71.2





#21
4-Bromophenyl-phenylether
Concen: 0.387 ng
RT: 15.946 min Scan# 1649
Delta R.T. 0.006 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

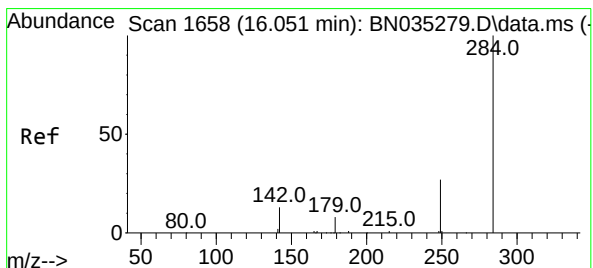
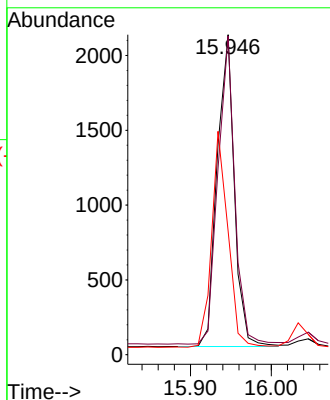
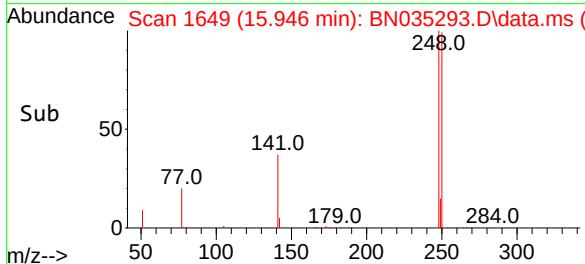
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:248 Resp: 308
Ion Ratio Lower Upper
248 100
250 99.6 74.8 112.2
141 38.7 59.0 88.4

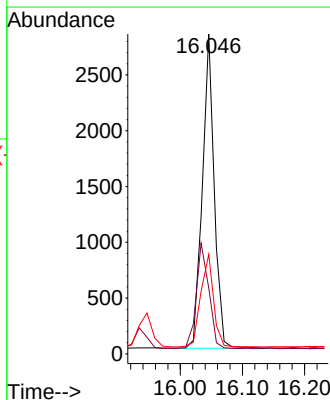
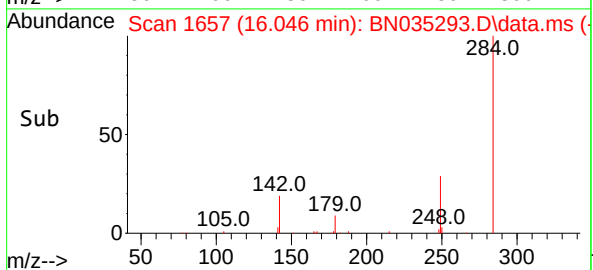
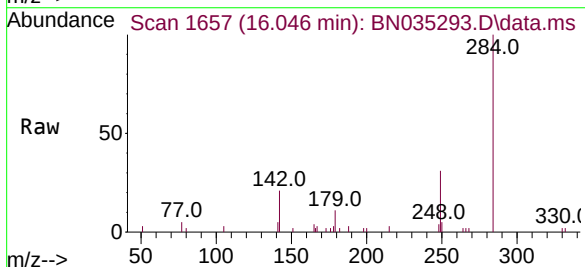
Manual Integrations
APPROVED

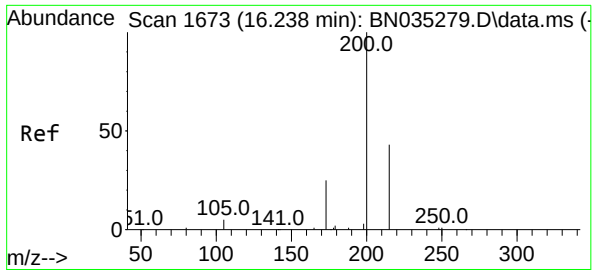
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#22
Hexachlorobenzene
Concen: 0.330 ng
RT: 16.046 min Scan# 1657
Delta R.T. -0.006 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion:284 Resp: 3763
Ion Ratio Lower Upper
284 100
142 35.3 28.7 43.1
249 31.5 25.4 38.0





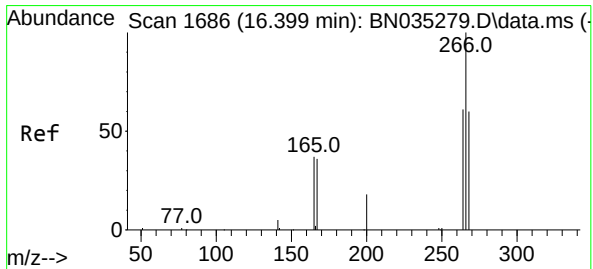
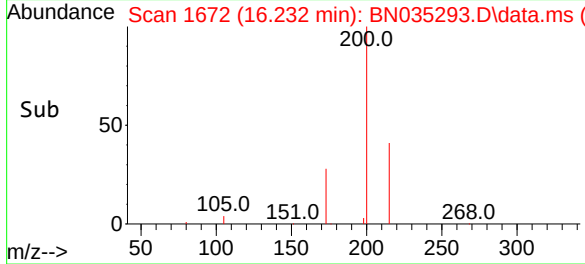
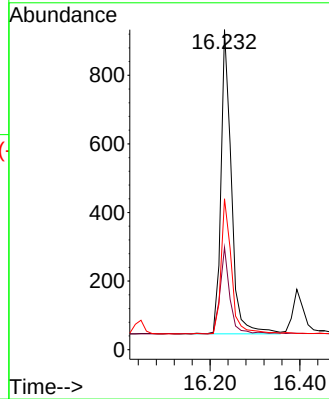
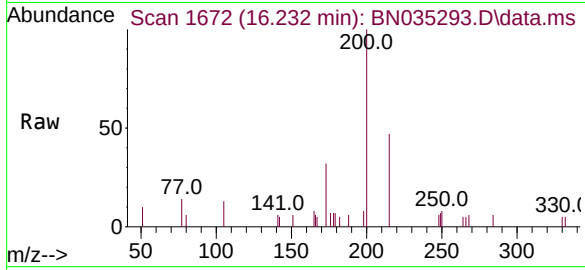
#23
Atrazine
Concen: 0.425 ng
RT: 16.232 min Scan# 1672
Delta R.T. -0.006 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1428
Ion Ratio Lower Upper
200 100
173 31.9 25.8 38.8
215 47.2 38.6 58.0

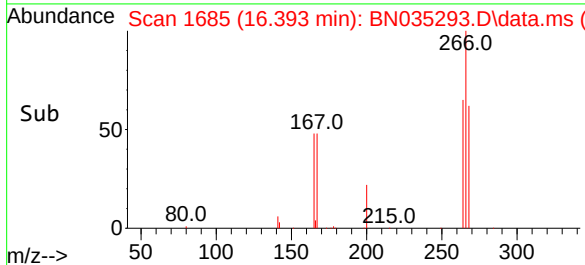
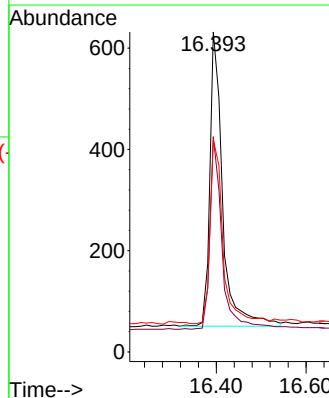
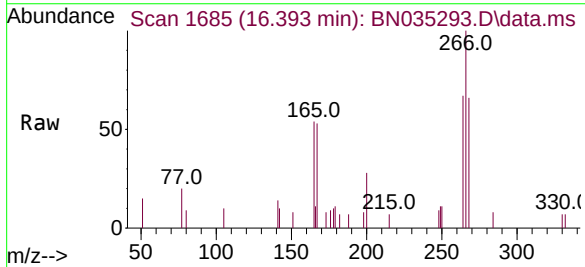
Manual Integrations
APPROVED

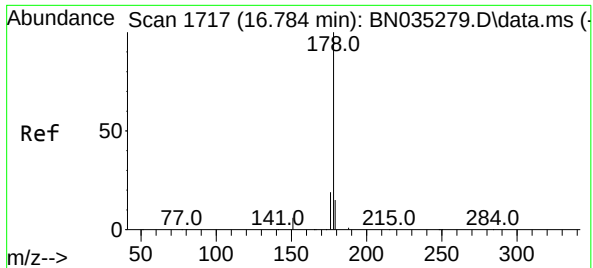
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#24
Pentachlorophenol
Concen: 0.417 ng
RT: 16.393 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

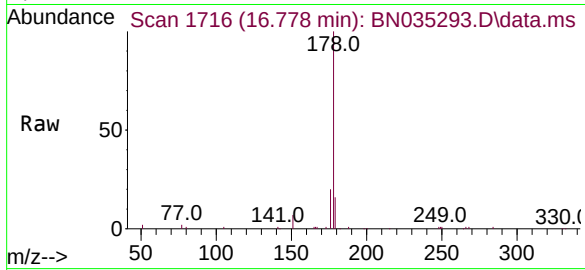
Tgt Ion:266 Resp: 1142
Ion Ratio Lower Upper
266 100
264 62.2 49.3 73.9
268 63.6 48.6 73.0





#25
Phenanthrene
Concen: 0.356 ng
RT: 16.778 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

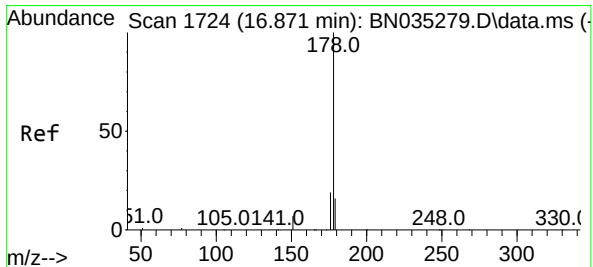
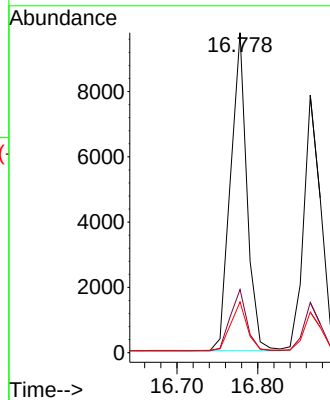
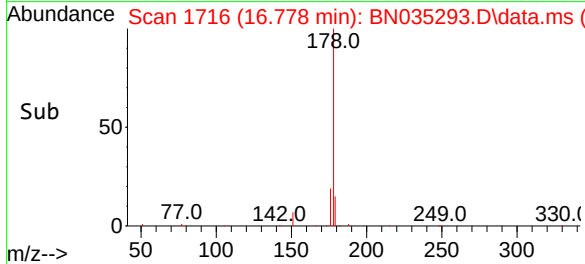
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:178 Resp: 13720
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.5 12.6 18.8

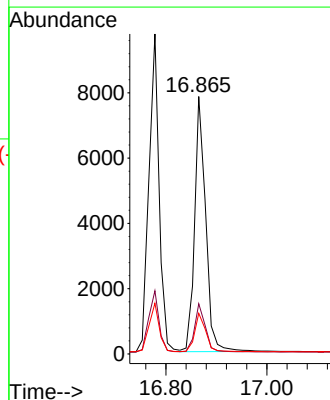
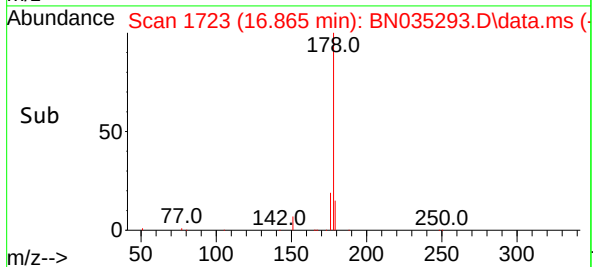
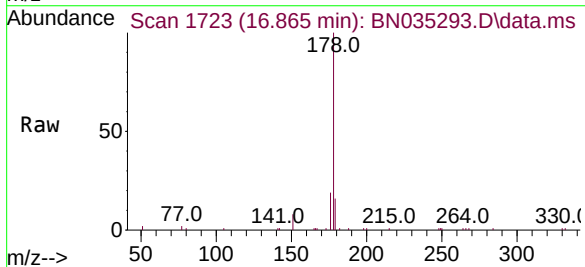
Manual Integrations
APPROVED

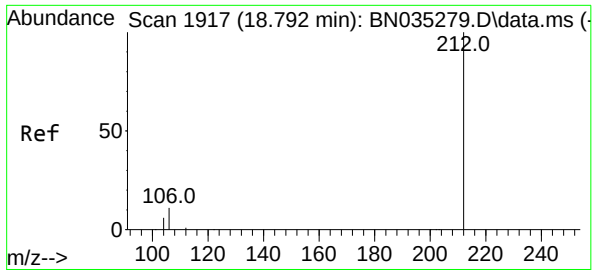
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#26
Anthracene
Concen: 0.359 ng
RT: 16.865 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

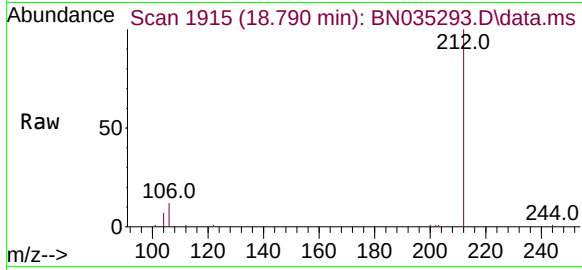
Tgt Ion:178 Resp: 11907
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.1 12.4 18.6





#27
Fluoranthene-d10
Concen: 0.345 ng
RT: 18.790 min Scan# 1915
Delta R.T. -0.002 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

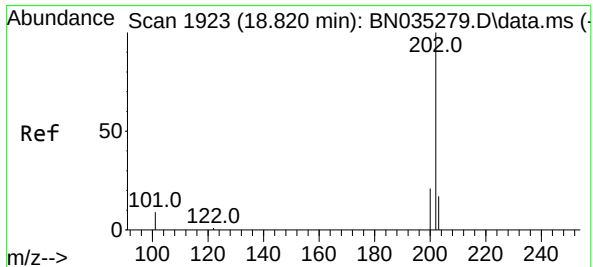
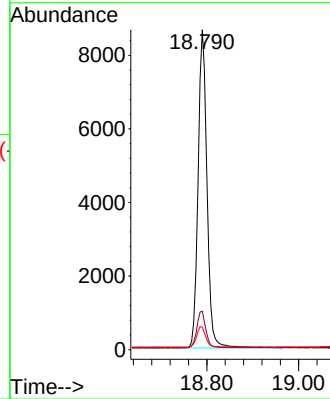
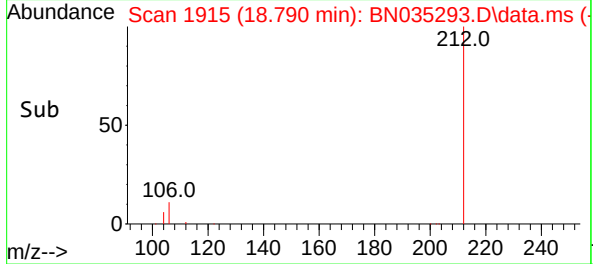
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:212 Resp: 1160
Ion Ratio Lower Upper
212 100
106 11.6 9.8 14.8
104 6.6 5.6 8.4

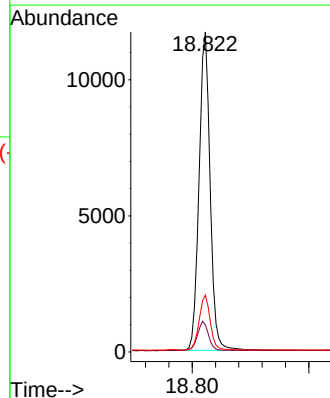
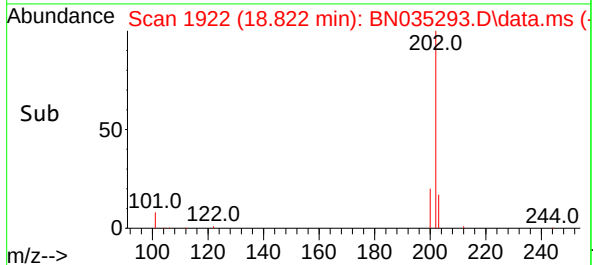
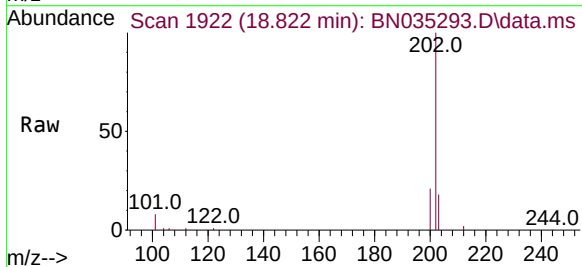
Manual Integrations
APPROVED

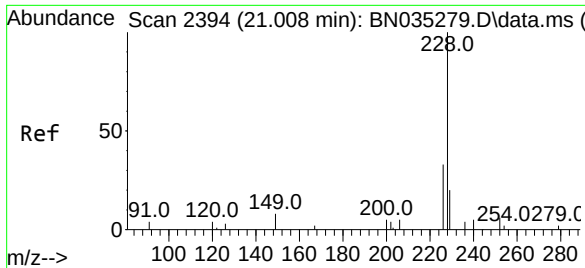
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#28
Fluoranthene
Concen: 0.317 ng
RT: 18.822 min Scan# 1922
Delta R.T. 0.002 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion:202 Resp: 15419
Ion Ratio Lower Upper
202 100
101 9.4 7.6 11.4
203 17.1 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.006 min Scan# 21

Delta R.T. -0.002 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion:240 Resp: 93

Ion Ratio Lower Upper

240 100

120 45.5 54.9 82.3

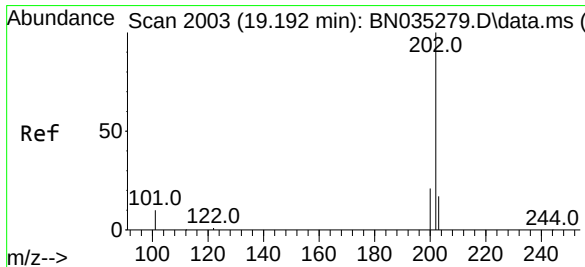
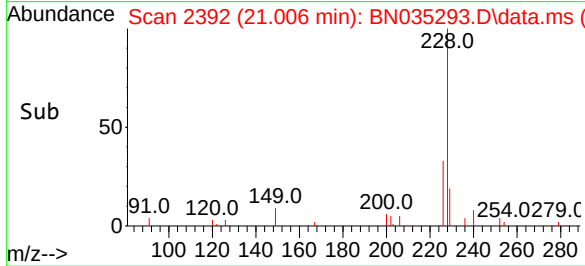
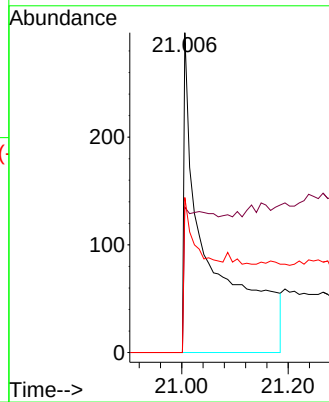
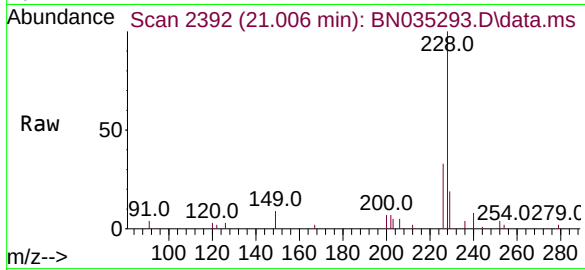
236 48.5 54.0 81.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#30

Pyrene

Concen: 0.441 ng

RT: 19.189 min Scan# 2001

Delta R.T. -0.003 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

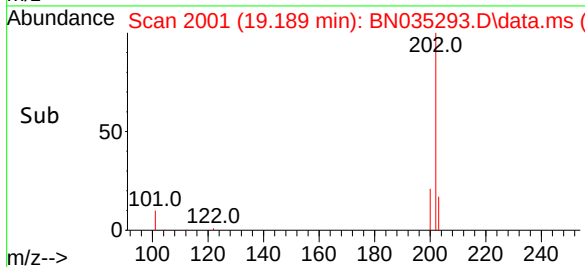
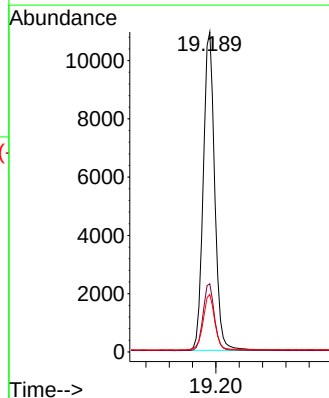
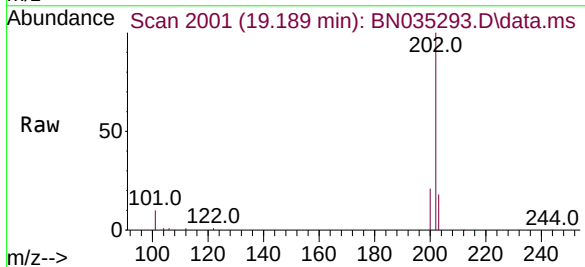
Tgt Ion:202 Resp: 14952

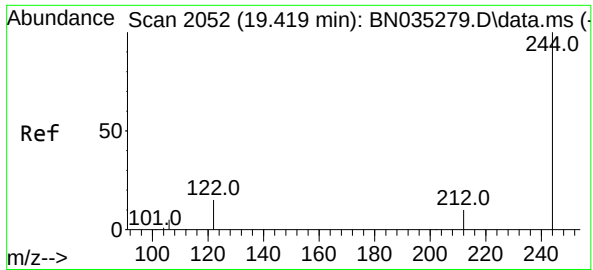
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 17.7 14.4 21.6





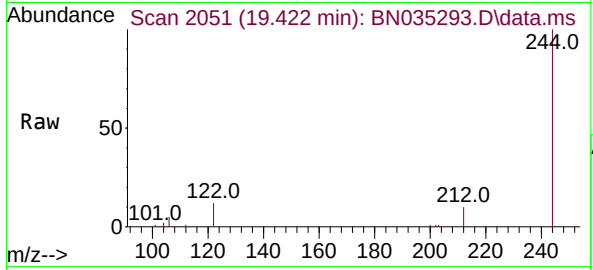
#31
Terphenyl-d14
Concen: 0.453 ng
RT: 19.422 min Scan# 2051
Delta R.T. 0.003 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



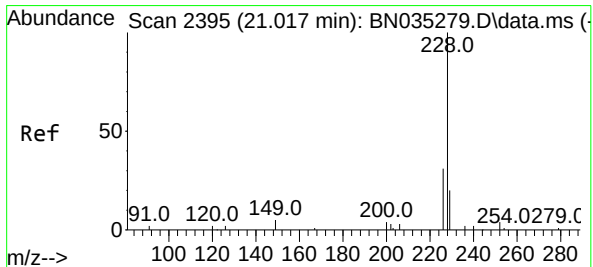
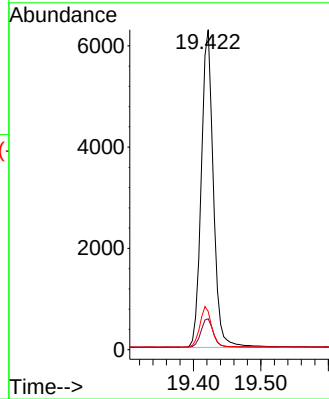
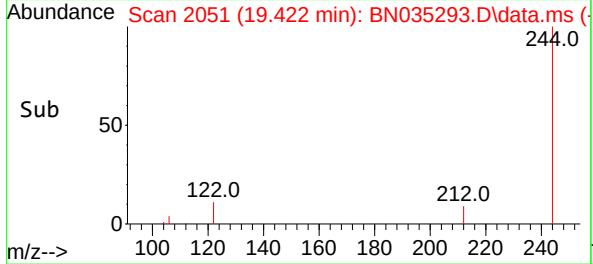
Tgt Ion:244 Resp: 7795
Ion Ratio Lower Upper
244 100
212 9.6 9.4 14.0
122 12.0 13.0 19.4

Manual Integrations

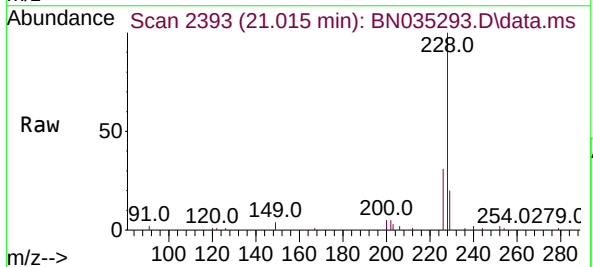
APPROVED

Reviewed By :Yogesh Patel 11/27/2024

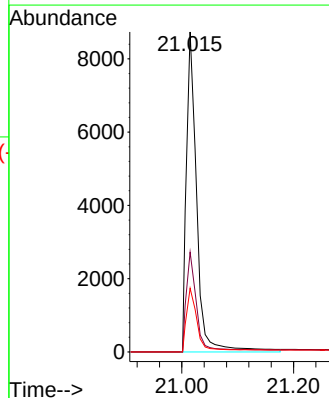
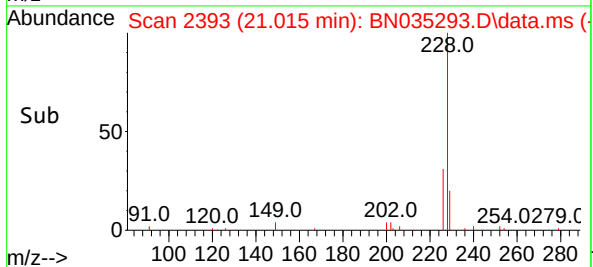
Supervised By :mohammad ahmed 11/27/2024

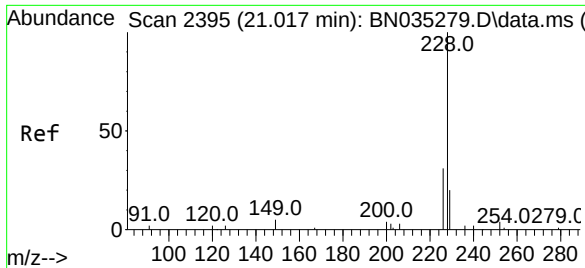


#32
Benzo(a)anthracene
Concen: 0.346 ng
RT: 21.015 min Scan# 2393
Delta R.T. -0.002 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02



Tgt Ion:228 Resp: 11234
Ion Ratio Lower Upper
228 100
226 31.2 24.7 37.1
229 19.9 16.2 24.2





#33

Chrysene

Concen: 0.346 ng

RT: 21.015 min Scan# 21

Delta R.T. -0.002 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion:228 Resp: 11234

Ion Ratio Lower Upper

228 100

226 31.2 24.7 37.1

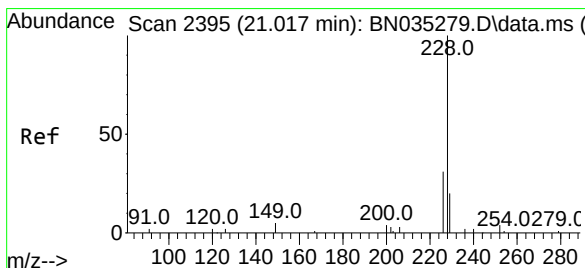
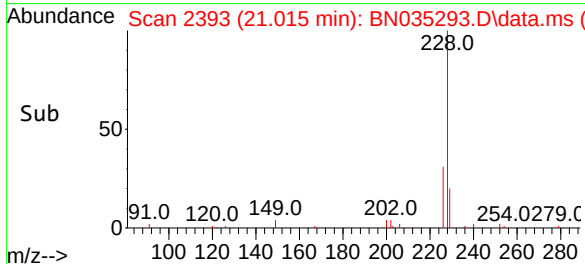
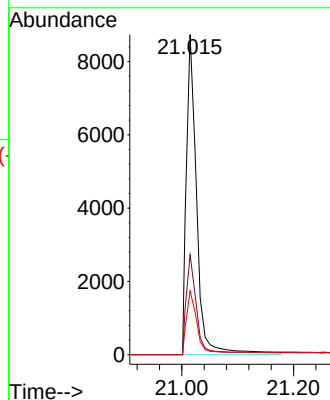
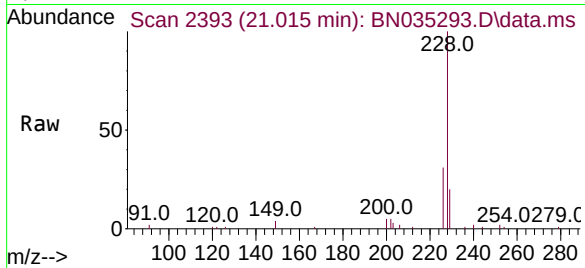
229 19.9 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.233 ng

RT: 21.006 min Scan# 2392

Delta R.T. -0.011 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

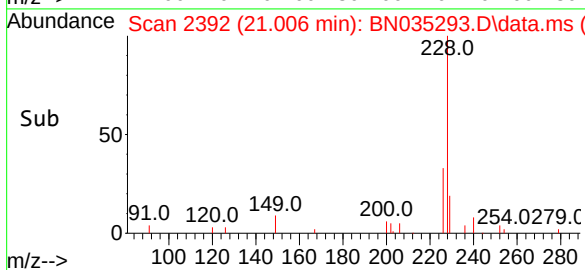
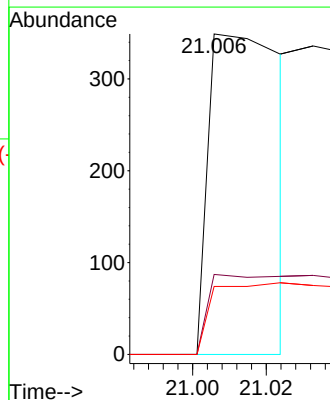
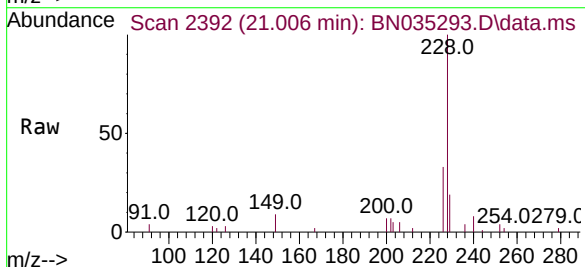
Tgt Ion:149 Resp: 416

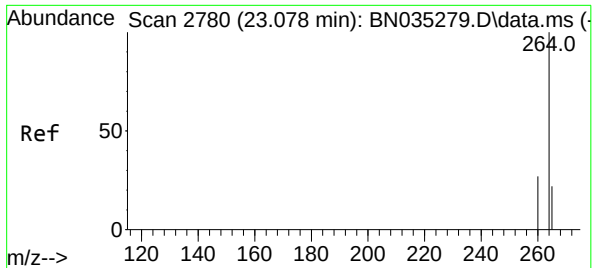
Ion Ratio Lower Upper

149 100

167 77.9 0.0 0.0#

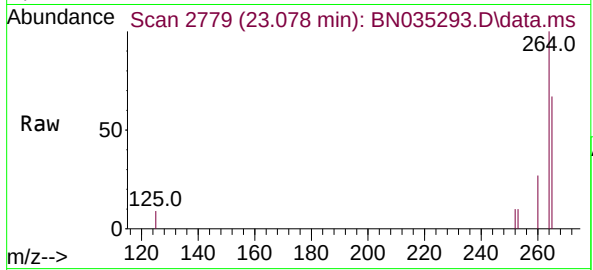
279 31.5 13.0 19.6#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.078 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

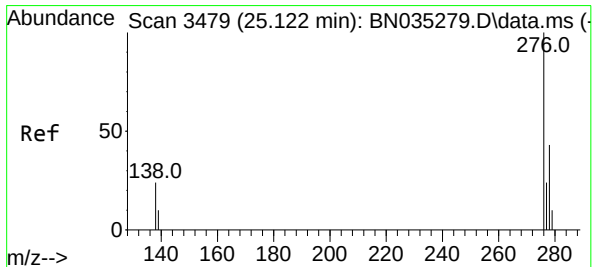
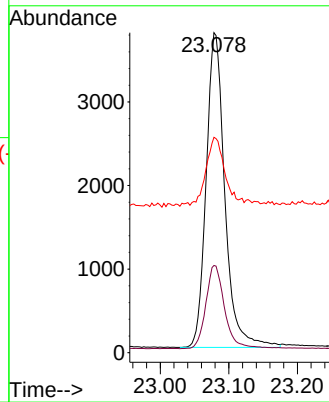
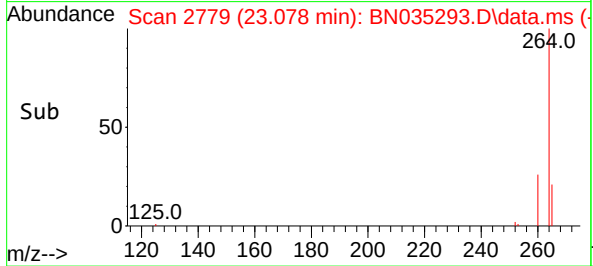
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:264 Resp: 7119
Ion Ratio Lower Upper
264 100
260 27.3 22.3 33.5
265 67.3 68.6 103.0

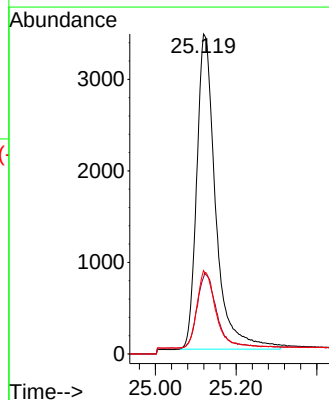
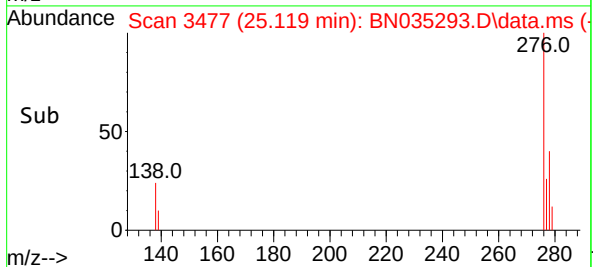
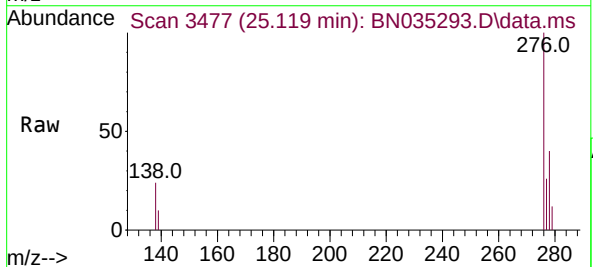
Manual Integrations
APPROVED

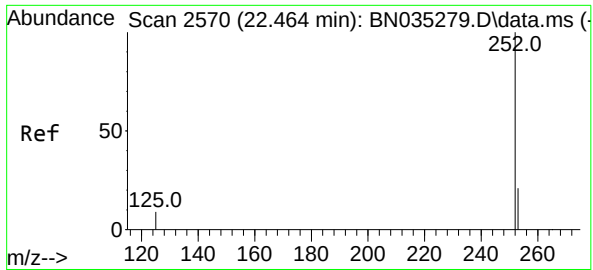
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.385 ng
RT: 25.119 min Scan# 3477
Delta R.T. -0.002 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion:276 Resp: 11225
Ion Ratio Lower Upper
276 100
138 23.2 18.8 28.2
277 23.8 18.2 27.4





#37

Benzo(b)fluoranthene

Concen: 0.316 ng

RT: 22.464 min Scan# 2569

Delta R.T. 0.000 min

Lab File: BN035293.D

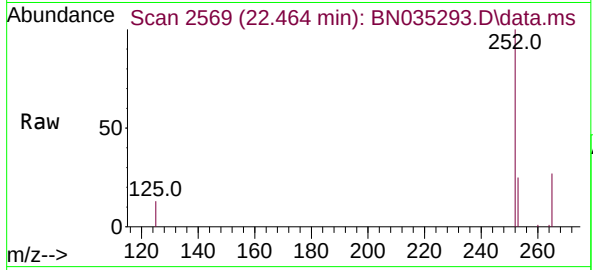
Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



Tgt Ion:252 Resp: 976

Ion Ratio Lower Upper

252 100

253 25.0 20.2 30.2

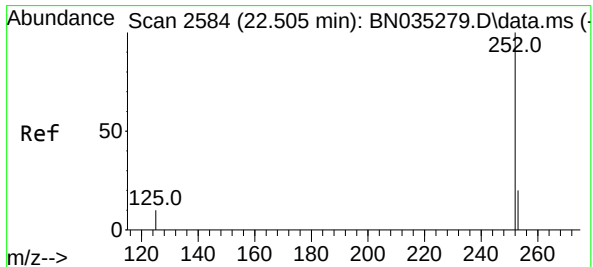
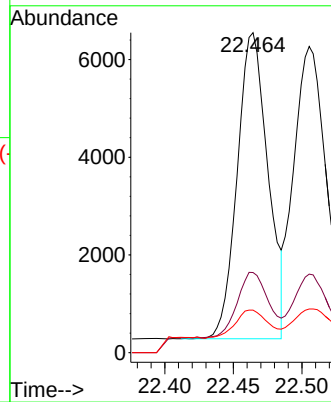
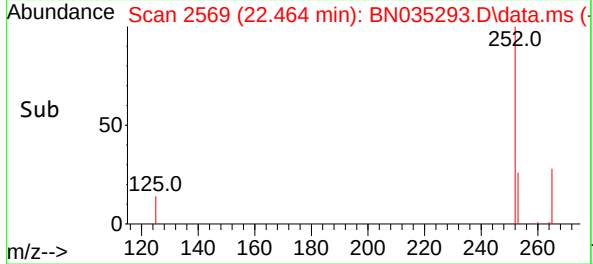
125 13.3 12.0 18.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#38

Benzo(k)fluoranthene

Concen: 0.323 ng

RT: 22.505 min Scan# 2583

Delta R.T. 0.000 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

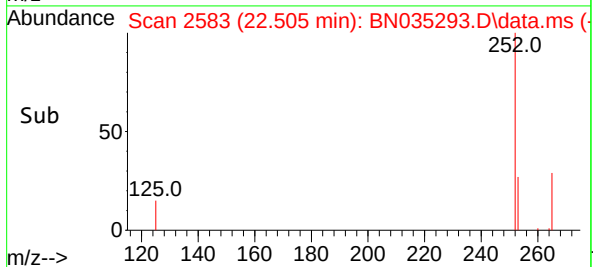
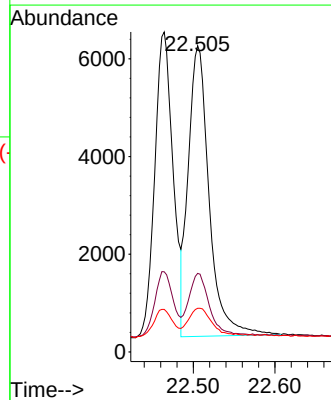
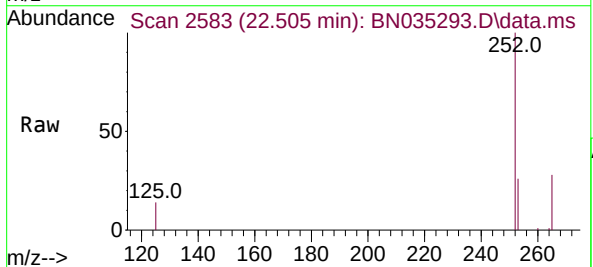
Tgt Ion:252 Resp: 10556

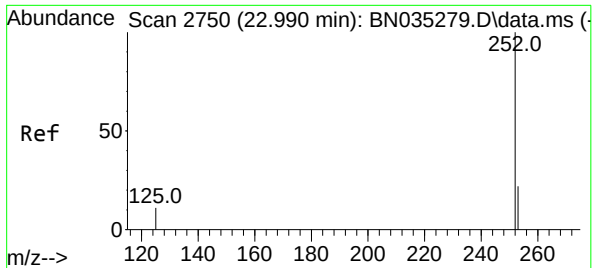
Ion Ratio Lower Upper

252 100

253 25.7 20.1 30.1

125 14.3 12.7 19.1





#39

Benzo(a)pyrene

Concen: 0.349 ng

RT: 22.991 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

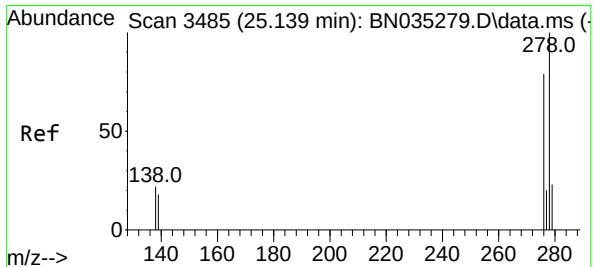
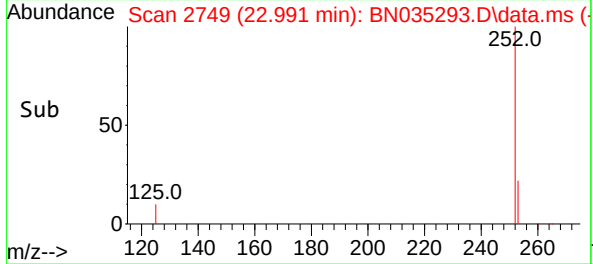
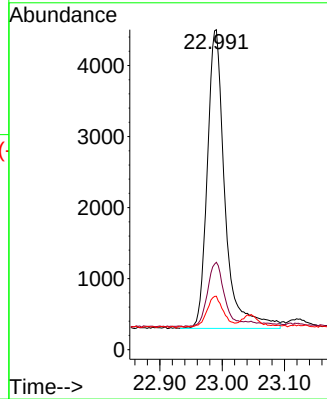
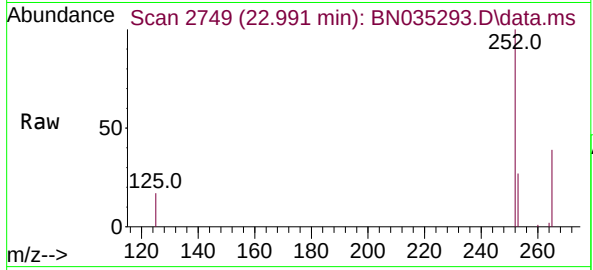
Tgt Ion:	252	Resp:	825
Ion Ratio	Lower	Upper	
252	100		
253	27.3	22.3	33.5
125	16.7	15.3	22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.385 ng

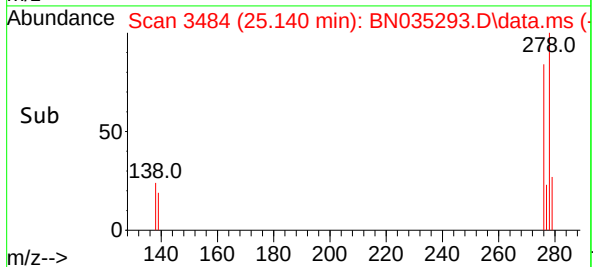
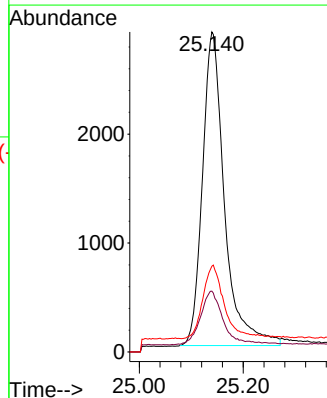
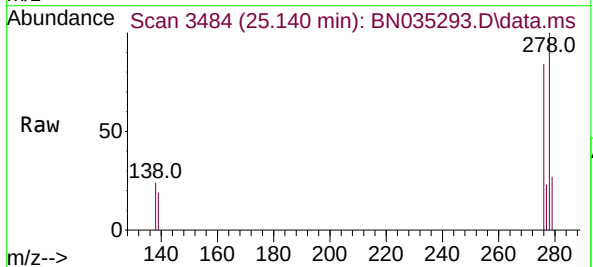
RT: 25.140 min Scan# 3484

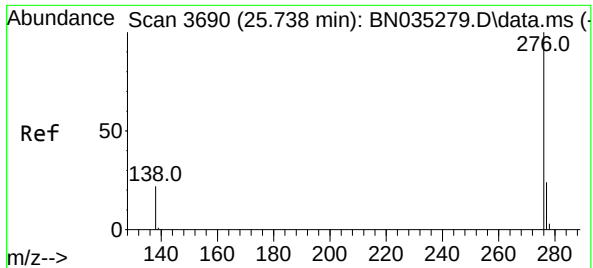
Delta R.T. 0.000 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

Tgt Ion:	278	Resp:	8482
Ion Ratio	Lower	Upper	
278	100		
139	19.0	17.0	25.6
279	26.8	23.0	34.4





#41

Benzo(g,h,i)perylene

Concen: 0.377 ng

RT: 25.742 min Scan# 30

Delta R.T. 0.003 min

Lab File: BN035293.D

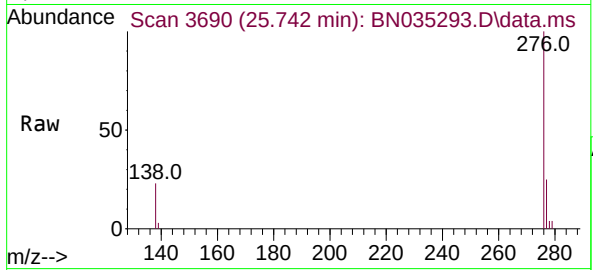
Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



Tgt Ion:276 Resp: 9609

Ion Ratio Lower Upper

276 100

277 25.2 21.1 31.7

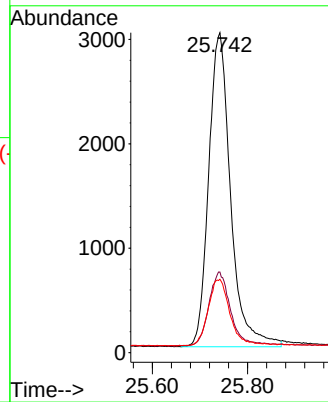
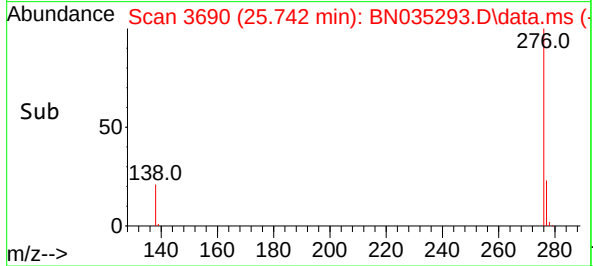
138 23.0 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035293.D
 Acq On : 25 Nov 2024 23:02
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 26 02:53:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 02:36:08 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	169#	0.00
2	1,4-Dioxane	0.288	0.361	-25.3#	213#	0.00
3	n-Nitrosodimethylamine	0.298	0.294	1.3	175#	0.00
4 S	2-Fluorophenol	0.756	0.976	-29.1#	209#	0.00
5 S	Phenol-d6	1.056	1.259	-19.2	193#	0.00
6	bis(2-Chloroethyl)ether	0.889	0.969	-9.0	183#	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	174#	0.00
8 S	Nitrobenzene-d5	0.324	0.198	38.9#	100	0.00
9	Naphthalene	1.110	1.069	3.7	171#	-0.01
10	Hexachlorobutadiene	0.312	0.250	19.9	139	-0.01
11 SURR	2-Methylnaphthalene-d10	0.560	0.590	-5.4	191#	0.00
12	2-Methylnaphthalene	0.726	0.729	-0.4	187#	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	199#	0.00
14 S	2,4,6-Tribromophenol	0.204	0.212	-3.9	234#	0.00
15 S	2-Fluorobiphenyl	0.221	0.145	34.4#	118	0.00
16	Acenaphthylene	2.013	1.657	17.7	175#	0.00
17	Acenaphthene	1.267	1.115	12.0	189#	0.00
18	Fluorene	1.777	1.497	15.8	182#	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	182#	0.00
20	4,6-Dinitro-2-methylphenol	0.041	0.029	29.3#	158#	0.00
21	4-Bromophenyl-phenylether	0.254	0.245	3.5	190#	0.00
22	Hexachlorobenzene	0.363	0.300	17.4	155#	0.00
23	Atrazine	0.107	0.114	-6.5	207#	0.00
24	Pentachlorophenol	0.087	0.091	-4.6	210#	0.00
25	Phenanthrene	1.229	1.093	11.1	176#	0.00
26	Anthracene	1.055	0.948	10.1	190#	0.00
27 SURR	Fluoranthene-d10	1.070	0.923	13.7	174#	0.00
28	Fluoranthene	1.550	1.227	20.8	167#	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	159#	0.00
30	Pyrene	14.551	16.043	-10.3	167#	0.00
31 S	Terphenyl-d14	7.392	8.364	-13.1	183#	0.00
32	Benzo(a)anthracene	13.920	12.054	13.4	139	0.00
33	Chrysene	13.920	12.054	13.4	139	0.00
34	Bis(2-ethylhexyl)phthalate	0.765	0.446	41.7#	78	-0.01
35 I	Perylene-d12	1.000	1.000	0.0	152#	0.00
36	Indeno(1,2,3-cd)pyrene	1.638	1.577	3.7	157#	0.00
37	Benzo(b)fluoranthene	1.738	1.371	21.1	143	0.00
38	Benzo(k)fluoranthene	1.839	1.483	19.4	138	0.00
39 C	Benzo(a)pyrene	1.329	1.160	12.7	154#	0.00
40	Dibenzo(a,h)anthracene	1.238	1.191	3.8	163#	0.00
41	Benzo(g,h,i)perylene	1.432	1.350	5.7	165#	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035293.D
 Acq On : 25 Nov 2024 23:02
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 26 02:53:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 02:36:08 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	169	0.00
2	1,4-Dioxane	0.400	0.502	-25.5#	213	0.00
3	n-Nitrosodimethylamine	0.400	0.395	1.3	175	0.00
4 S	2-Fluorophenol	0.400	0.516	-29.0#	209	0.00
5 S	Phenol-d6	0.400	0.477	-19.2	193	0.00
6	bis(2-Chloroethyl)ether	0.400	0.436	-9.0	183	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	174	0.00
8 S	Nitrobenzene-d5	0.400	0.244	39.0#	100	0.00
9	Naphthalene	0.400	0.385	3.8	171	-0.01
10	Hexachlorobutadiene	0.400	0.321	19.8	139	-0.01
11 SURR	2-Methylnaphthalene-d10	0.400	0.422	-5.5	191	0.00
12	2-Methylnaphthalene	0.400	0.402	-0.5	187	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	199	0.00
14 S	2,4,6-Tribromophenol	0.400	0.416	-4.0	234	0.00
15 S	2-Fluorobiphenyl	0.400	0.263	34.3#	118	0.00
16	Acenaphthylene	0.400	0.329	17.8	175	0.00
17	Acenaphthene	0.400	0.352	12.0	189	0.00
18	Fluorene	0.400	0.337	15.8	182	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	182	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.392	2.0	158	0.00
21	4-Bromophenyl-phenylether	0.400	0.387	3.3	190	0.00
22	Hexachlorobenzene	0.400	0.330	17.5	155	0.00
23	Atrazine	0.400	0.425	-6.2	207	0.00
24	Pentachlorophenol	0.400	0.417	-4.2	210	0.00
25	Phenanthrene	0.400	0.356	11.0	176	0.00
26	Anthracene	0.400	0.359	10.3	190	0.00
27 SURR	Fluoranthene-d10	0.400	0.345	13.8	174	0.00
28	Fluoranthene	0.400	0.317	20.8	167	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	159	0.00
30	Pyrene	0.400	0.441	-10.2	167	0.00
31 S	Terphenyl-d14	0.400	0.453	-13.2	183	0.00
32	Benzo(a)anthracene	0.400	0.346	13.5	139	0.00
33	Chrysene	0.400	0.346	13.5	139	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.233	41.8#	78	-0.01
35 I	Perylene-d12	0.400	0.400	0.0	152	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.385	3.8	157	0.00
37	Benzo(b)fluoranthene	0.400	0.316	21.0	143	0.00
38	Benzo(k)fluoranthene	0.400	0.323	19.3	138	0.00
39 C	Benzo(a)pyrene	0.400	0.349	12.8	154	0.00
40	Dibenzo(a,h)anthracene	0.400	0.385	3.8	163	0.00
41	Benzo(g,h,i)perylene	0.400	0.377	5.8	165	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG No.: P4959

Instrument ID: BNA_N Calibration Date/Time: 11/26/2024 03:14

Lab File ID: BN035300.D Init. Calib. Date(s): 11/25/2024 11/25/2024

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 10:16 13:52

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.560	0.555		-0.9	50.0
Fluoranthene-d10	1.070	0.944		-11.8	50.0
2-Fluorophenol	0.756	1.011		33.7	50.0
Phenol-d6	1.056	1.202		13.8	50.0
Nitrobenzene-d5	0.324	0.212		-34.6	50.0
2-Fluorobiphenyl	0.221	0.171		-22.6	50.0
2,4,6-Tribromophenol	0.204	0.208		2.0	50.0
Terphenyl-d14	7.392	6.672		-9.7	50.0
1,4-Dioxane	0.288	0.391		35.8	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035300.D
 Acq On : 26 Nov 2024 03:14
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 26 04:38:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 02:36:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3805	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	8746	0.400	ng	# 0.00
13) Acenaphthene-d10	13.973	164	4650	0.400	ng	# 0.00
19) Phenanthrene-d10	16.741	188	8944	0.400	ng	# 0.00
29) Chrysene-d12	21.006	240	871	0.400	ng	# 0.00
35) Perylene-d12	23.075	264	8001	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	3847	0.535	ng	0.00
5) Phenol-d6	6.513	99	4573	0.455	ng	0.00
8) Nitrobenzene-d5	8.450	82	1856m	0.262	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	4853	0.396	ng	0.00
14) 2,4,6-Tribromophenol	15.480	330	969	0.408	ng	0.00
15) 2-Fluorobiphenyl	12.604	172	795	0.310	ng	0.00
27) Fluoranthene-d10	18.790	212	8444	0.353	ng	0.00
31) Terphenyl-d14	19.422	244	5811	0.361	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.003	88	1488	0.544	ng	# 71
3) n-Nitrosodimethylamine	3.299	42	1097	0.387	ng	# 64
6) bis(2-Chloroethyl)ether	6.766	93	3676	0.435	ng	98
9) Naphthalene	10.105	128	9278	0.382	ng	99
10) Hexachlorobutadiene	10.404	225	2190	0.321	ng	# 99
12) 2-Methylnaphthalene	11.738	142	5885	0.371	ng	99
16) Acenaphthylene	13.684	152	7671	0.328	ng	100
17) Acenaphthene	14.037	154	5129	0.348	ng	# 85
18) Fluorene	15.031	166	6559	0.318	ng	97
20) 4,6-Dinitro-2-methylph...	15.127	198	319	0.436	ng	93
21) 4-Bromophenyl-phenylether	15.946	248	2233	0.394	ng	# 78
22) Hexachlorobenzene	16.046	284	2720	0.335	ng	98
23) Atrazine	16.232	200	1031	0.431	ng	98
24) Pentachlorophenol	16.393	266	878	0.450	ng	98
25) Phenanthrene	16.778	178	9774	0.356	ng	100
26) Anthracene	16.865	178	8425	0.357	ng	100
28) Fluoranthene	18.822	202	11052	0.319	ng	99
30) Pyrene	19.189	202	11118	0.351	ng	99
32) Benzo(a)anthracene	21.015	228	10362	0.342	ng	99
33) Chrysene	21.015	228	10362	0.342	ng	99
34) Bis(2-ethylhexyl)phtha...	21.015	149	596	0.358	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.122	276	12330	0.376	ng	99
37) Benzo(b)fluoranthene	22.461	252	10486	0.302	ng	98
38) Benzo(k)fluoranthene	22.502	252	11527	0.313	ng	98
39) Benzo(a)pyrene	22.988	252	8958	0.337	ng	96
40) Dibenzo(a,h)anthracene	25.137	278	9558	0.386	ng	95
41) Benzo(g,h,i)perylene	25.736	276	10647	0.372	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

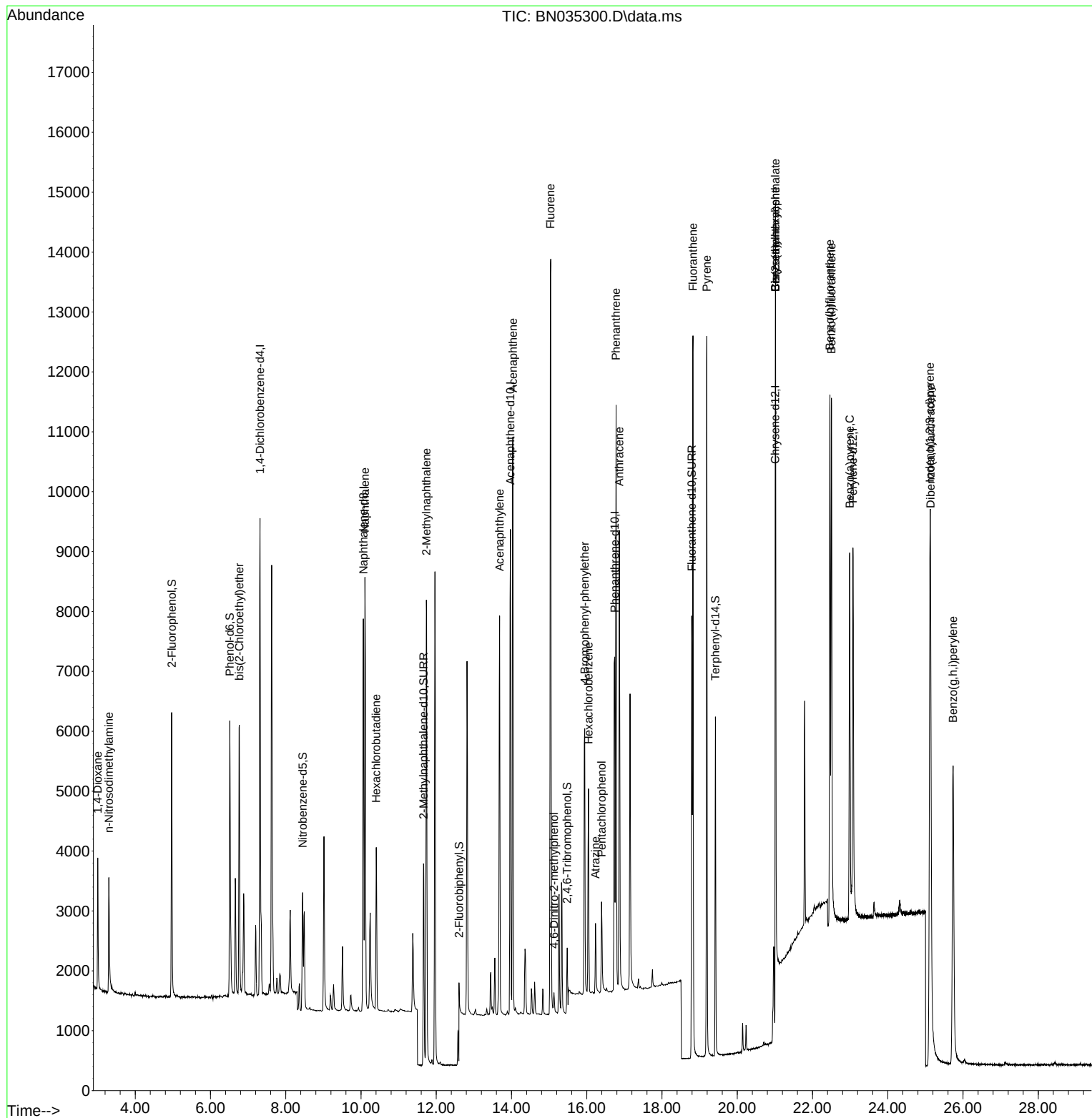
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 Data File : BN035300.D
 Acq On : 26 Nov 2024 03:14
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

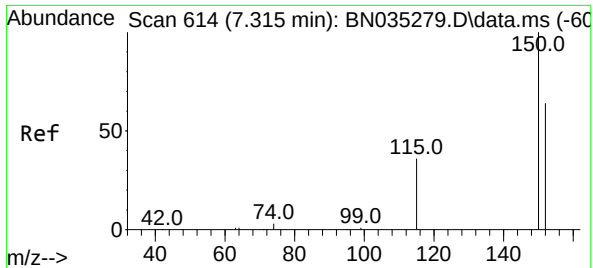
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

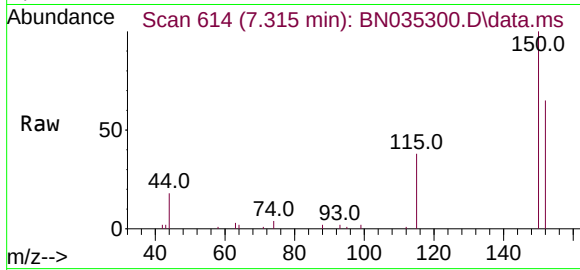
Quant Time: Nov 26 04:38:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 02:36:08 2024
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 614
Delta R.T. 0.000 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

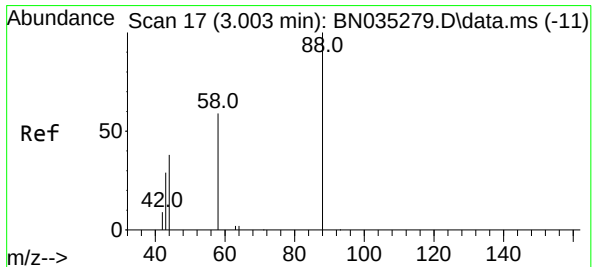
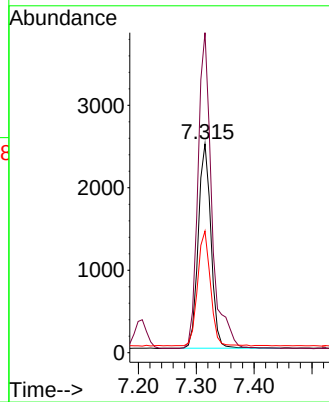
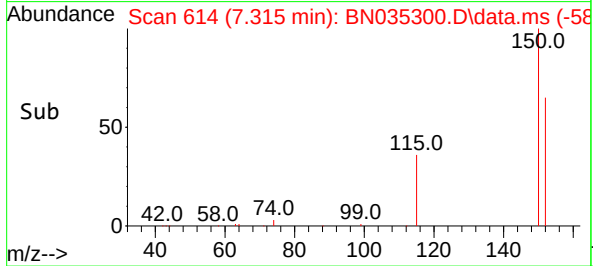
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:152 Resp: 380
Ion Ratio Lower Upper
152 100
150 153.3 124.5 186.7
115 58.3 47.8 71.8

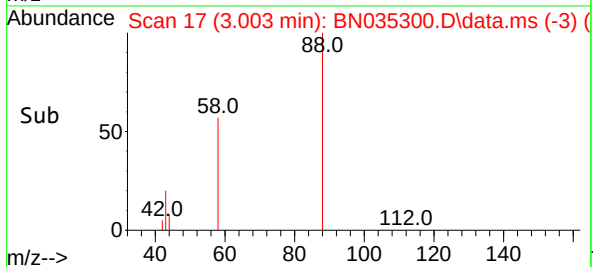
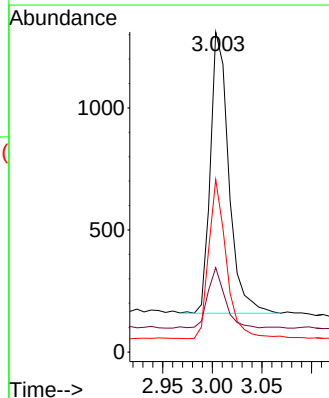
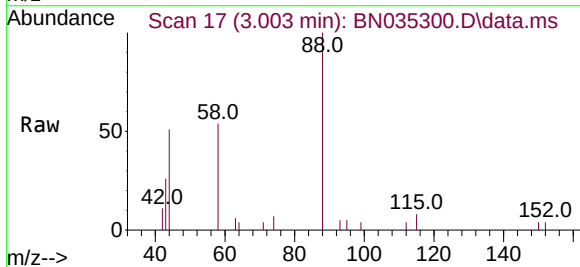
Manual Integrations
APPROVED

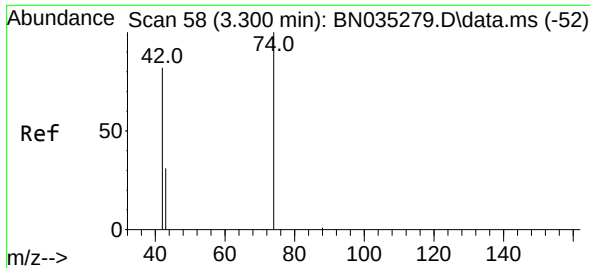
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#2
1,4-Dioxane
Concen: 0.544 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion: 88 Resp: 1488
Ion Ratio Lower Upper
88 100
43 20.2 48.1 72.1#
58 54.6 46.9 70.3





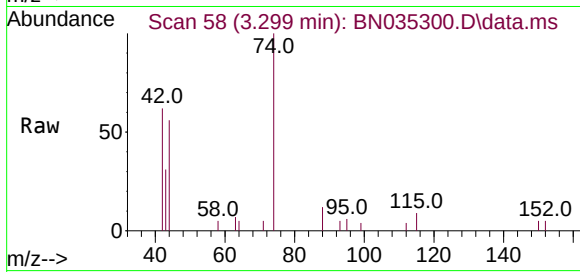
#3
n-Nitrosodimethylamine
Concen: 0.387 ng
RT: 3.299 min Scan# 58
Delta R.T. -0.001 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC



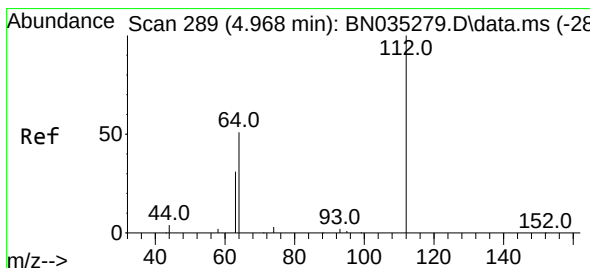
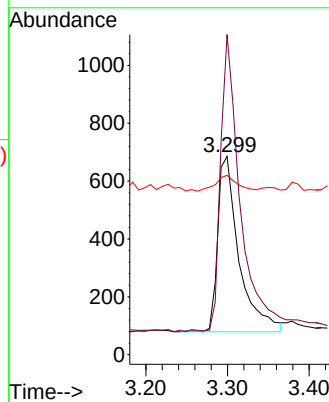
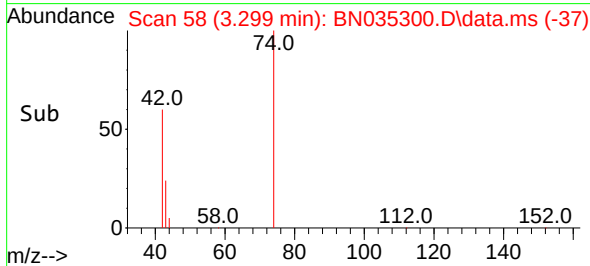
Tgt Ion: 42 Resp: 109
Ion Ratio Lower Upper
42 100
74 163.7 102.7 154.1
44 9.3 34.1 51.1

Manual Integrations

APPROVED

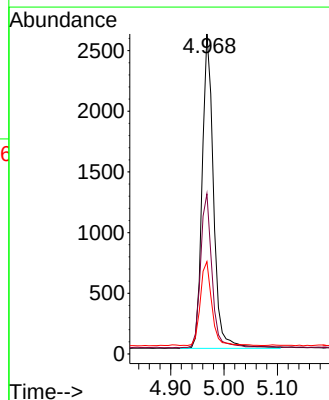
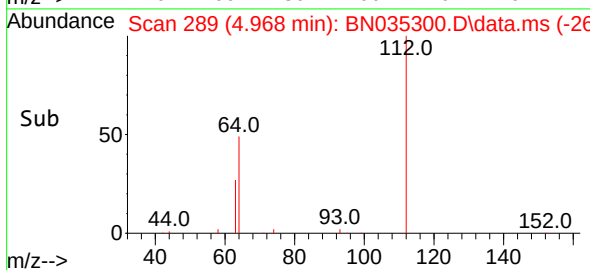
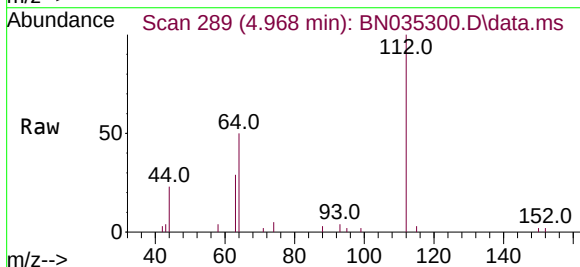
Reviewed By :Yogesh Patel 11/27/2024

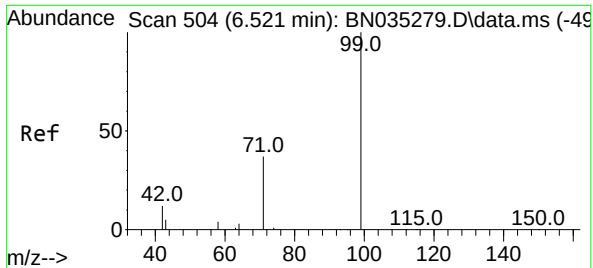
Supervised By :mohammad ahmed 11/27/2024



#4
2-Fluorophenol
Concen: 0.535 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

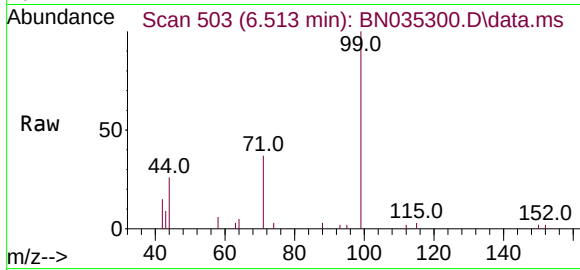
Tgt Ion:112 Resp: 3847
Ion Ratio Lower Upper
112 100
64 49.1 40.4 60.6
63 26.8 23.8 35.8





#5
Phenol-d6
Concen: 0.455 ng
RT: 6.513 min Scan# 504
Delta R.T. -0.007 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

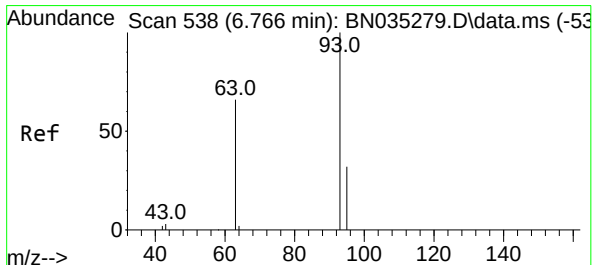
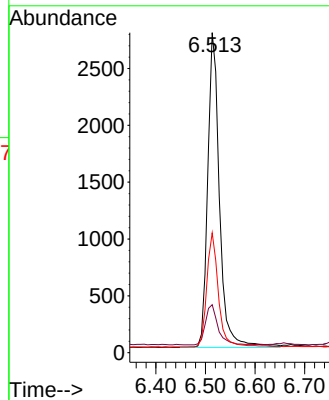
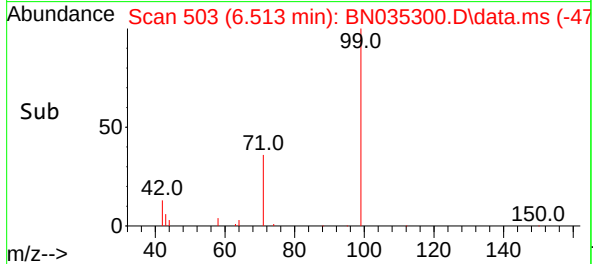
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion: 99 Resp: 457
Ion Ratio Lower Upper
99 100
42 13.6 12.8 19.2
71 35.7 31.4 47.2

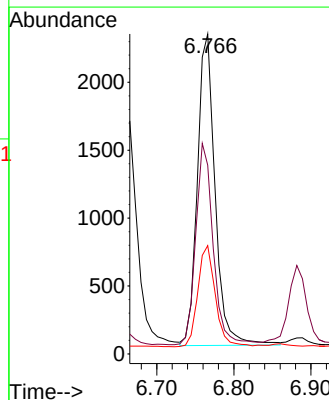
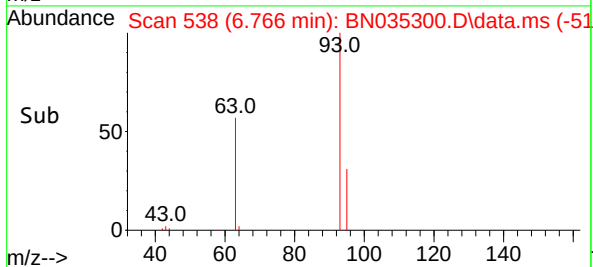
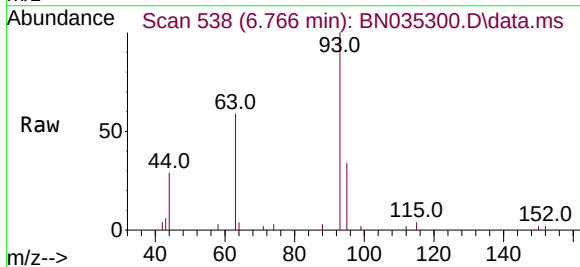
Manual Integrations
APPROVED

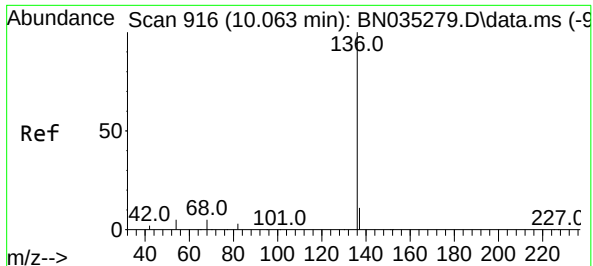
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#6
bis(2-Chloroethyl)ether
Concen: 0.435 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion: 93 Resp: 3676
Ion Ratio Lower Upper
93 100
63 63.3 52.3 78.5
95 32.3 25.5 38.3





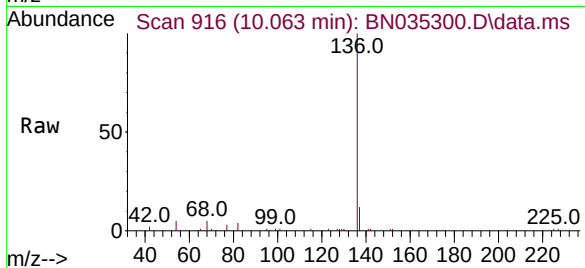
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

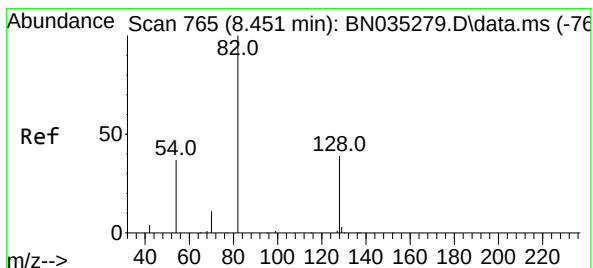
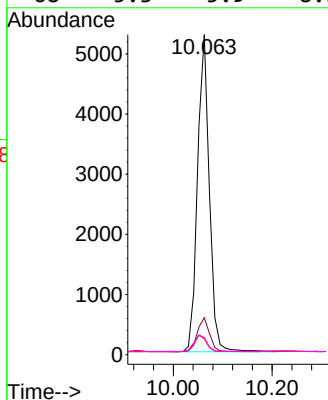
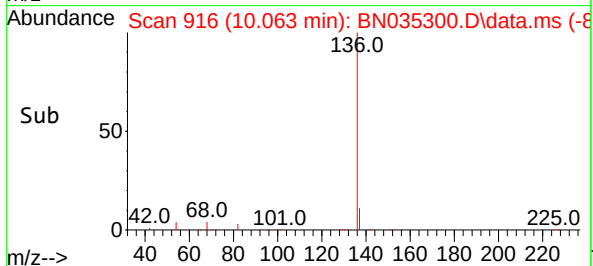


Tgt Ion:136 Resp: 8740
Ion Ratio Lower Upper
136 100
137 11.5 9.7 14.5
54 5.0 5.3 7.9
68 5.3 5.9 8.9

Manual Integrations

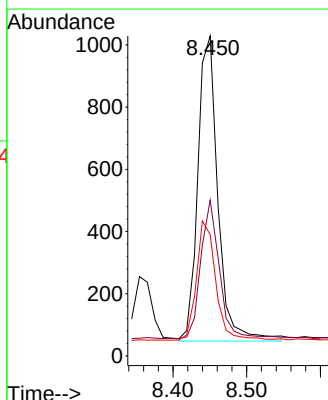
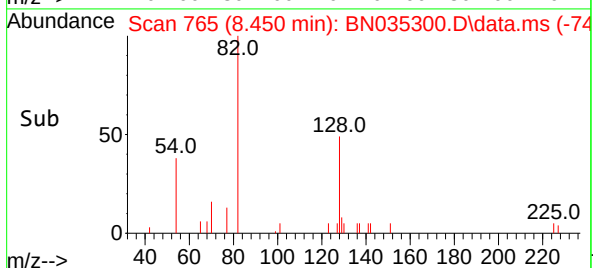
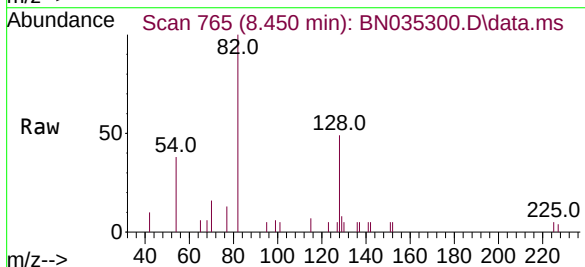
APPROVED

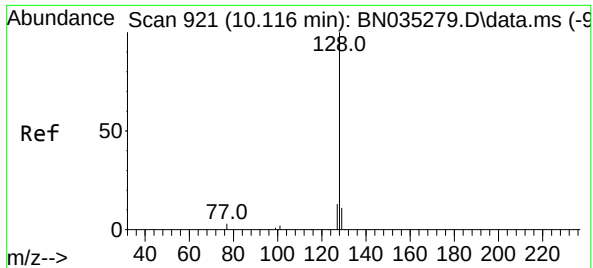
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#8
Nitrobenzene-d5
Concen: 0.262 ng m
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion: 82 Resp: 1856
Ion Ratio Lower Upper
82 100
128 48.7 33.0 49.4
54 37.9 33.3 49.9





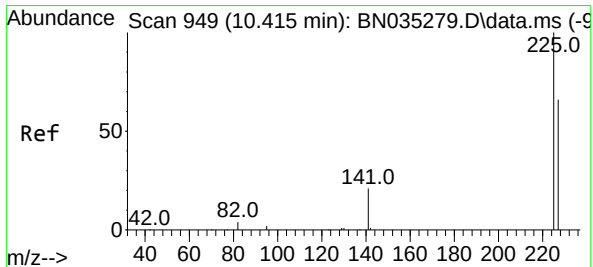
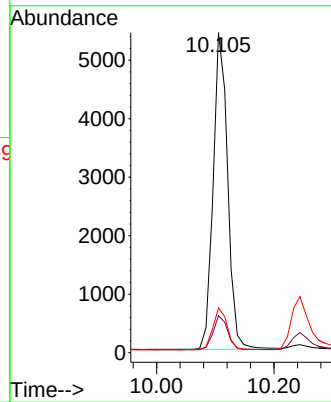
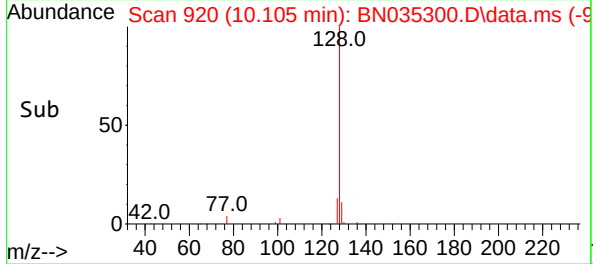
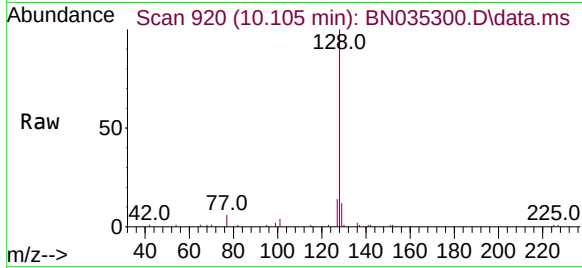
#9
Naphthalene
Concen: 0.382 ng
RT: 10.105 min Scan# 910
Delta R.T. -0.011 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 9278
Ion Ratio Lower Upper
128 100
129 11.6 9.6 14.4
127 14.0 11.3 16.9

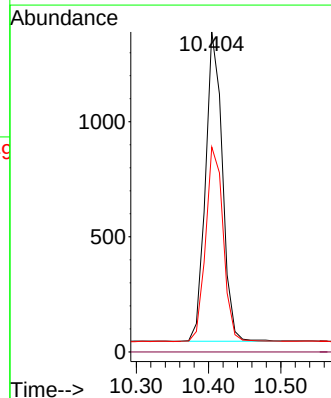
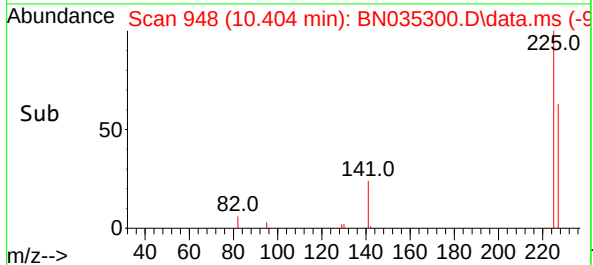
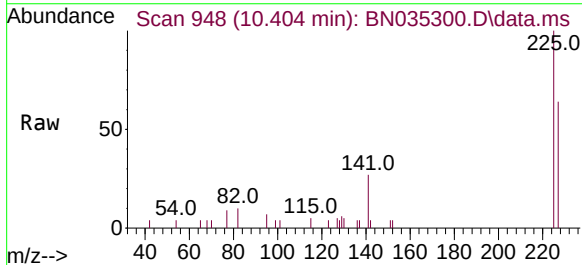
Manual Integrations
APPROVED

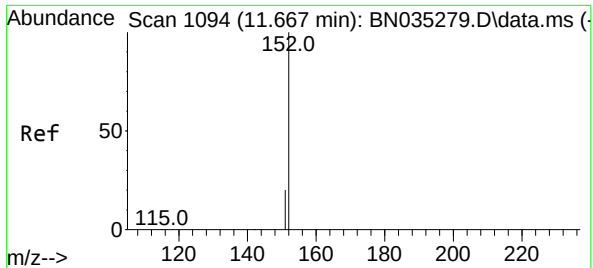
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#10
Hexachlorobutadiene
Concen: 0.321 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

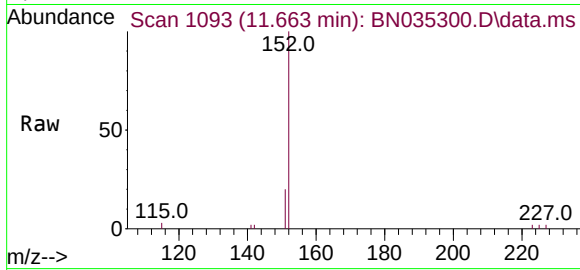
Tgt Ion:225 Resp: 2190
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 65.2 51.3 76.9





#11
2-Methylnaphthalene-d10
Concen: 0.396 ng
RT: 11.663 min Scan# 1109
Delta R.T. -0.004 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

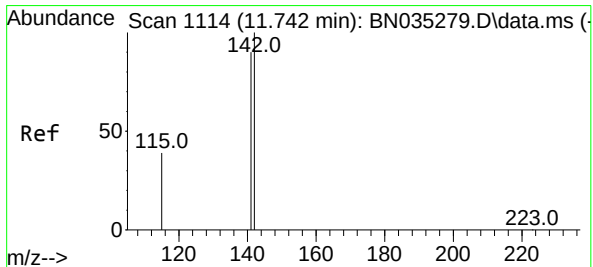
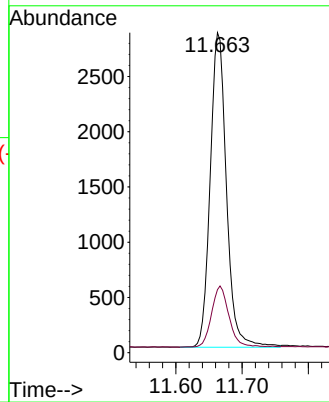
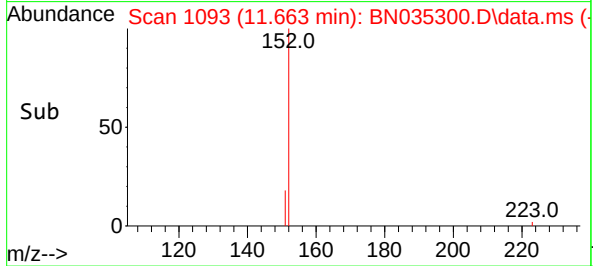
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



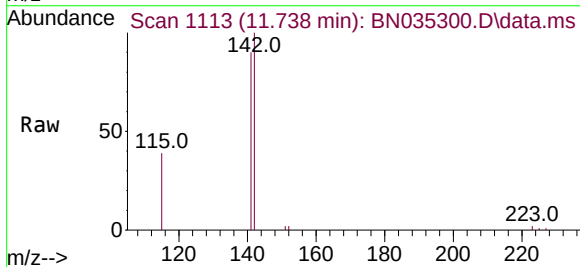
Tgt Ion:152 Resp: 485
Ion Ratio Lower Upper
152 100
151 20.7 17.2 25.8

Manual Integrations
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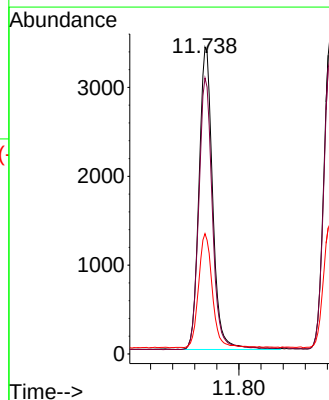
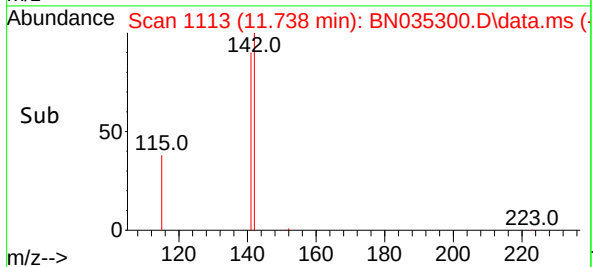
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

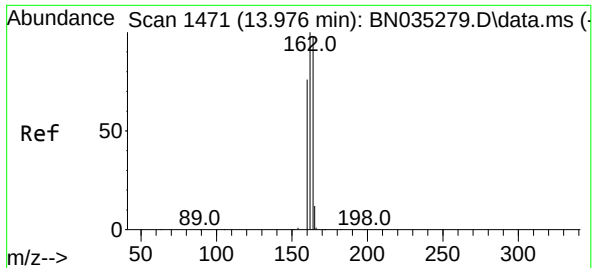


#12
2-Methylnaphthalene
Concen: 0.371 ng
RT: 11.738 min Scan# 1113
Delta R.T. -0.004 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14



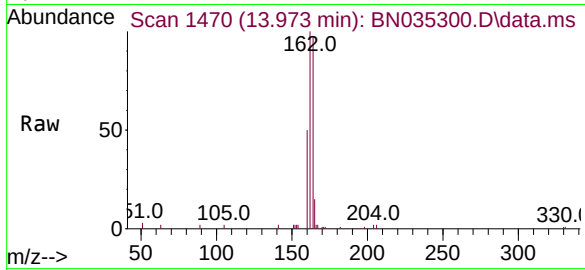
Tgt Ion:142 Resp: 5885
Ion Ratio Lower Upper
142 100
141 89.9 71.8 107.8
115 39.2 32.6 49.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.973 min Scan# 1470
Delta R.T. -0.004 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

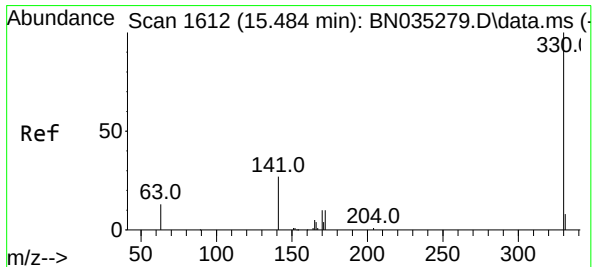
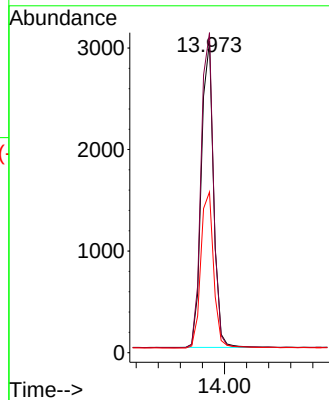
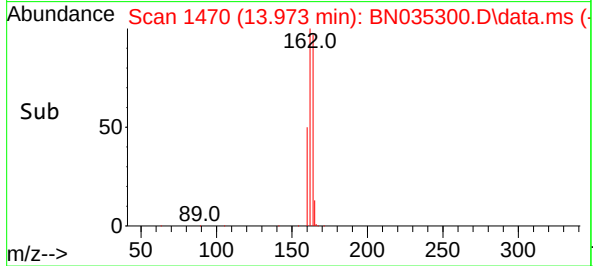
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:164 Resp: 4650
Ion Ratio Lower Upper
164 100
162 102.8 82.0 123.0
160 51.6 63.0 94.4

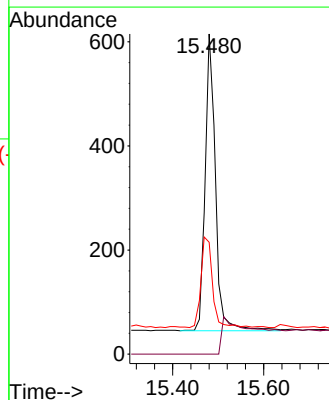
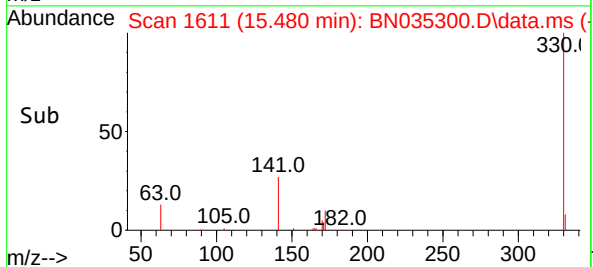
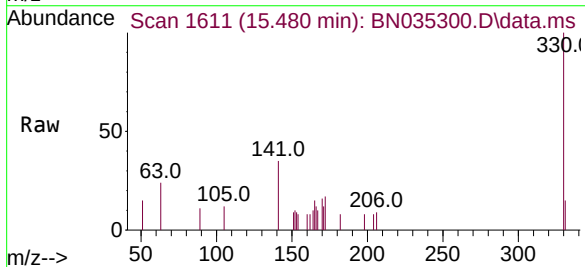
Manual Integrations
APPROVED

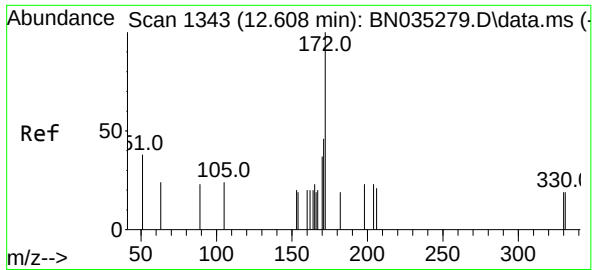
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#14
2,4,6-Tribromophenol
Concen: 0.408 ng
RT: 15.480 min Scan# 1611
Delta R.T. -0.004 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion:330 Resp: 969
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.5 32.4 48.6





#15
2-Fluorobiphenyl
Concen: 0.310 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

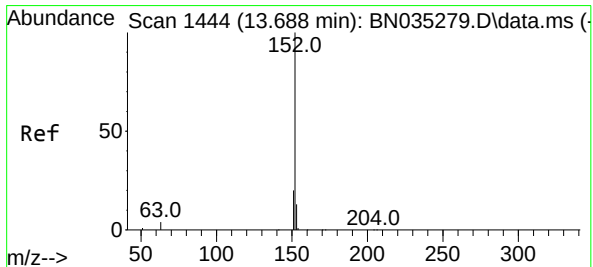
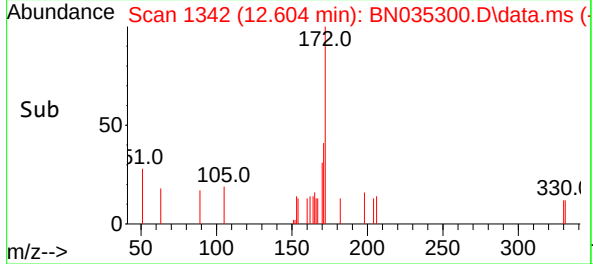
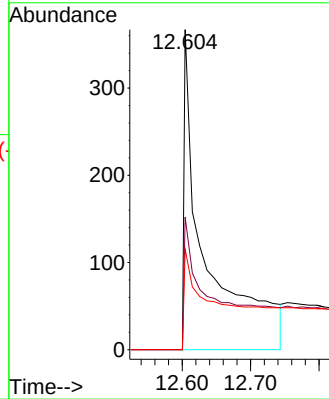
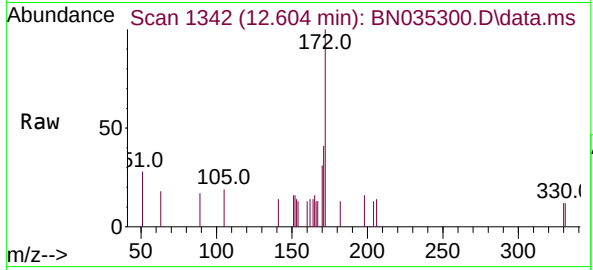
Tgt Ion:172 Resp: 795
Ion Ratio Lower Upper
172 100
171 41.4 36.6 55.0
170 31.3 29.7 44.5

Manual Integrations

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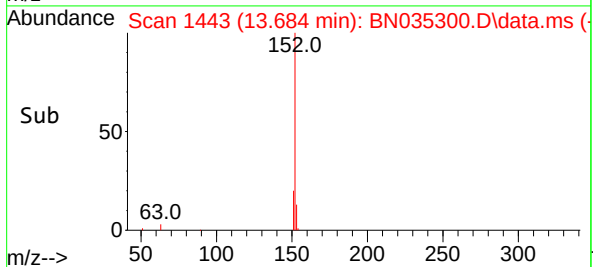
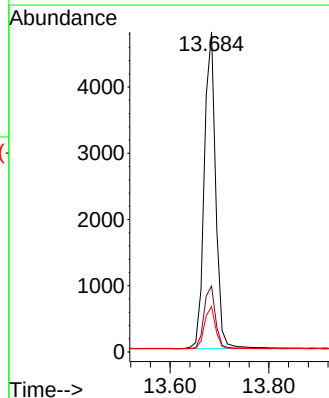
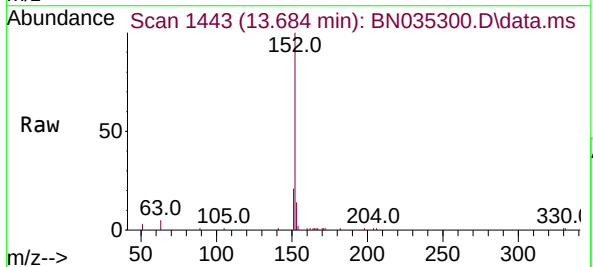
Reviewed By :Yogesh Patel 11/27/2024

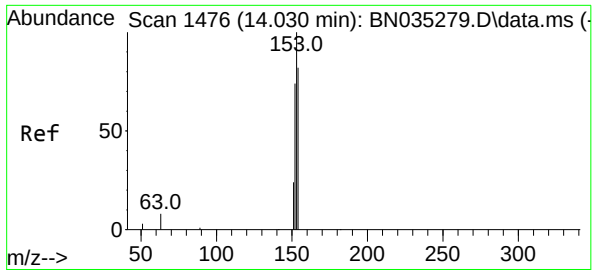
Supervised By :mohammad ahmed 11/27/2024



#16
Acenaphthylene
Concen: 0.328 ng
RT: 13.684 min Scan# 1443
Delta R.T. -0.004 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

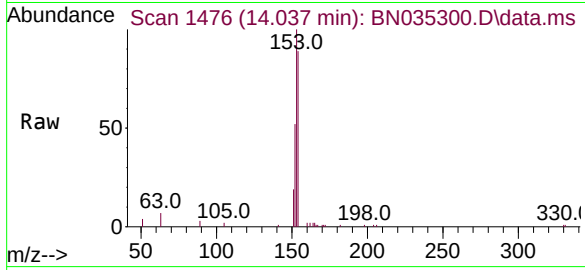
Tgt Ion:152 Resp: 7671
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.1 10.2 15.4





#17
Acenaphthene
Concen: 0.348 ng
RT: 14.037 min Scan# 1476
Delta R.T. 0.007 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

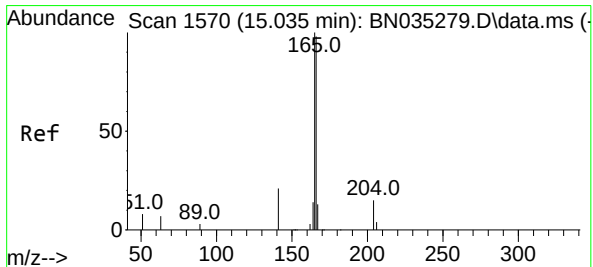
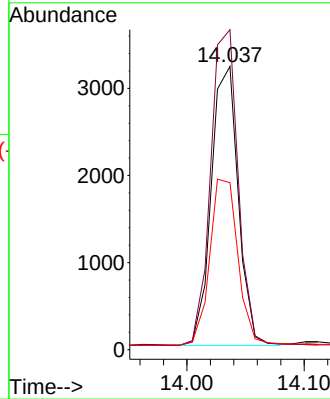
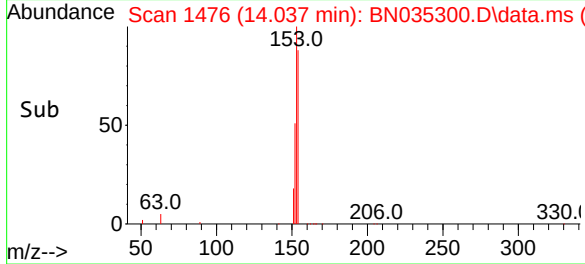
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:154 Resp: 5129
Ion Ratio Lower Upper
154 100
153 115.9 96.1 144.1
152 62.8 72.2 108.2

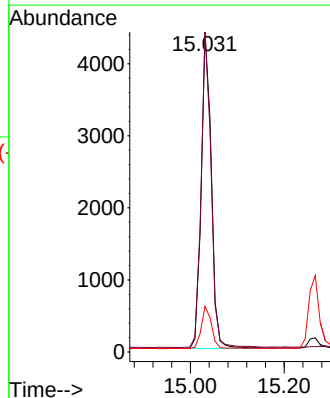
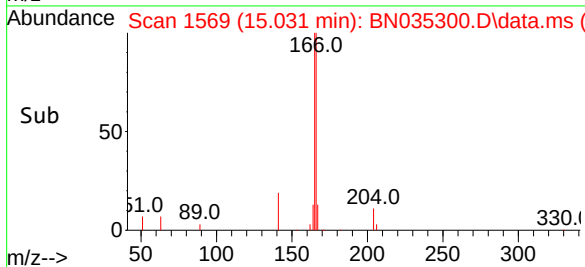
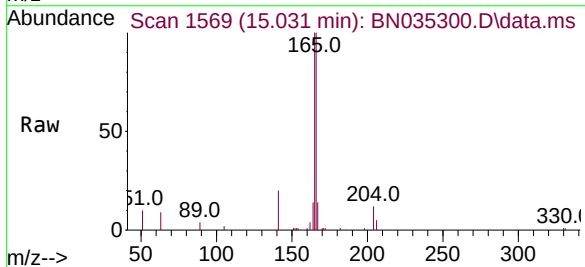
Manual Integrations
APPROVED

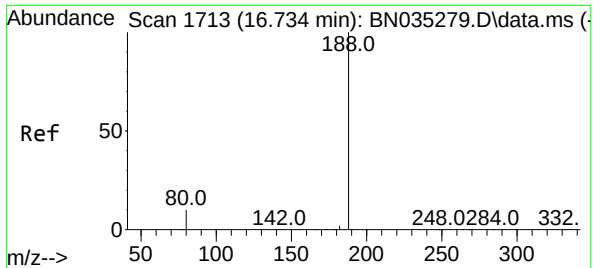
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#18
Fluorene
Concen: 0.318 ng
RT: 15.031 min Scan# 1569
Delta R.T. -0.004 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

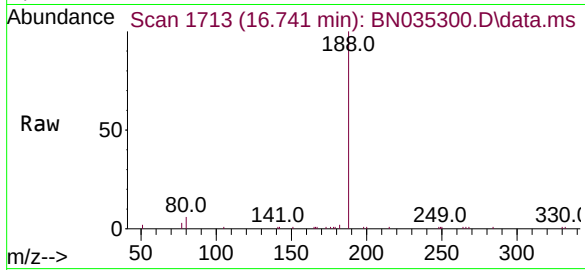
Tgt Ion:166 Resp: 6559
Ion Ratio Lower Upper
166 100
165 98.2 81.2 121.8
167 13.7 10.5 15.7





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.741 min Scan# 1713
Delta R.T. 0.007 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

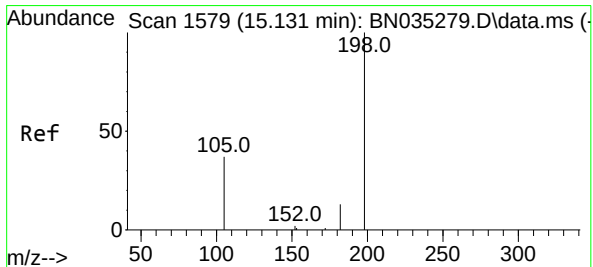
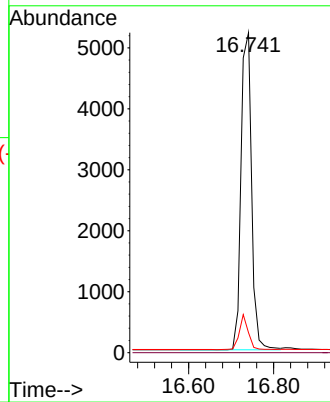
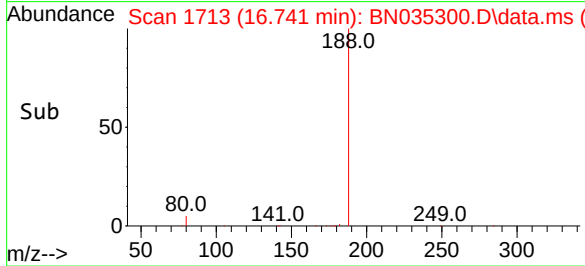
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:188 Resp: 8944
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.2 8.9 13.3

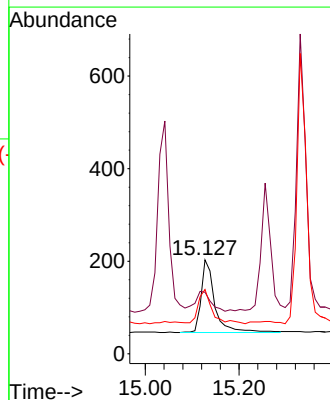
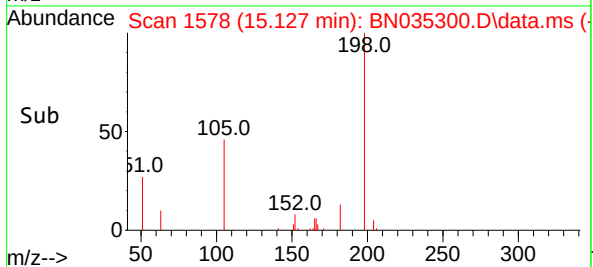
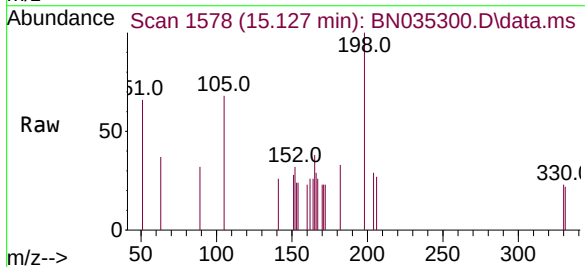
Manual Integrations
APPROVED

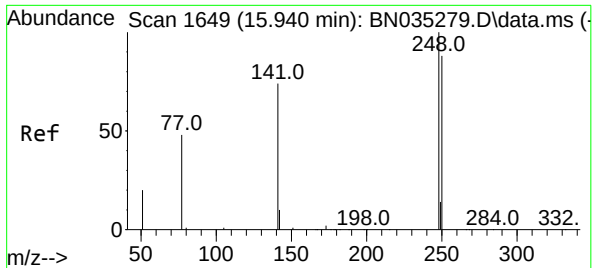
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#20
4,6-Dinitro-2-methylphenol
Concen: 0.436 ng
RT: 15.127 min Scan# 1578
Delta R.T. -0.004 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

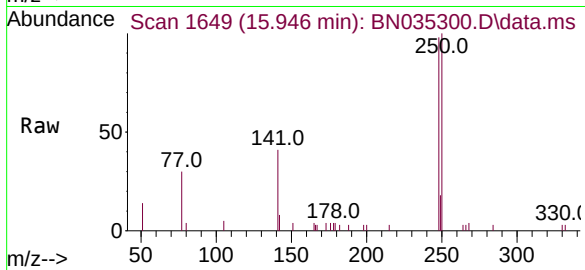
Tgt Ion:198 Resp: 319
Ion Ratio Lower Upper
198 100
51 65.5 53.6 80.4
105 68.5 47.4 71.2





#21
4-Bromophenyl-phenylether
Concen: 0.394 ng
RT: 15.946 min Scan# 1649
Delta R.T. 0.006 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

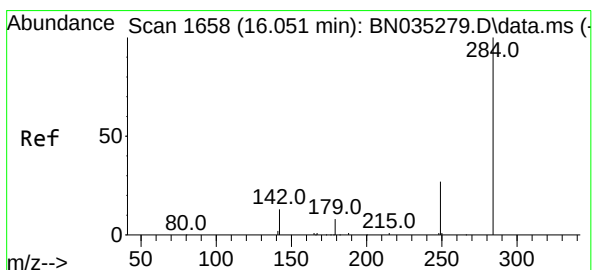
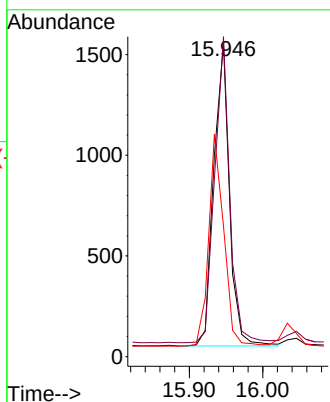
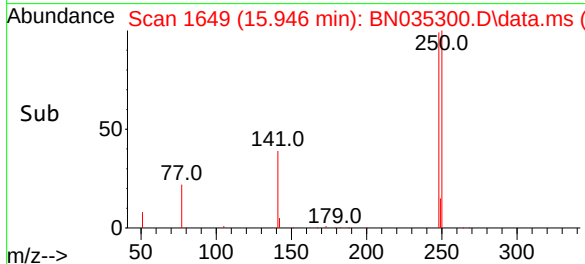
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:248 Resp: 223
Ion Ratio Lower Upper
248 100
250 102.1 74.8 112.2
141 41.6 59.0 88.4

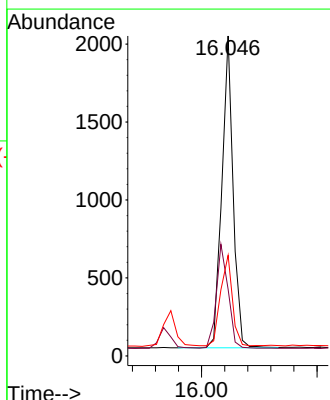
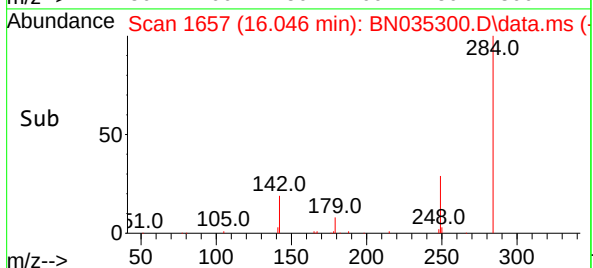
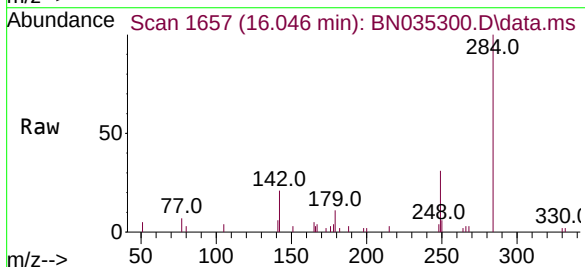
Manual Integrations
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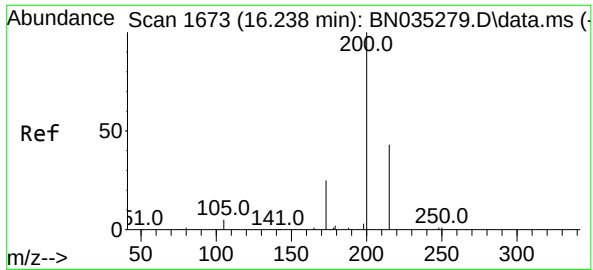
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#22
Hexachlorobenzene
Concen: 0.335 ng
RT: 16.046 min Scan# 1657
Delta R.T. -0.006 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion:284 Resp: 2720
Ion Ratio Lower Upper
284 100
142 34.9 28.7 43.1
249 30.4 25.4 38.0





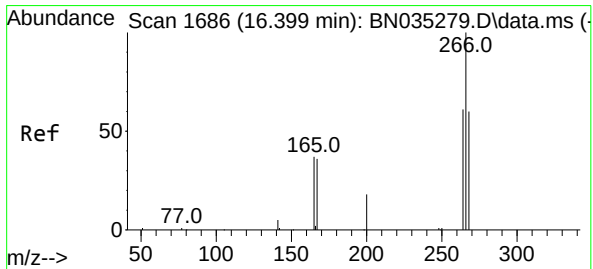
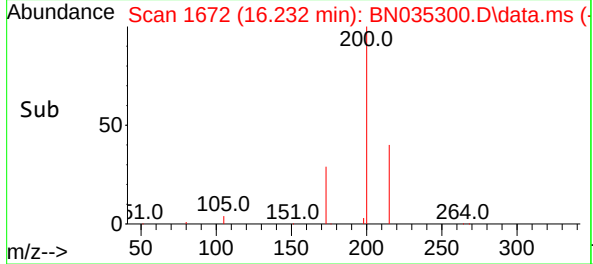
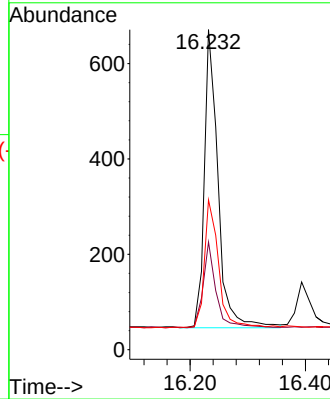
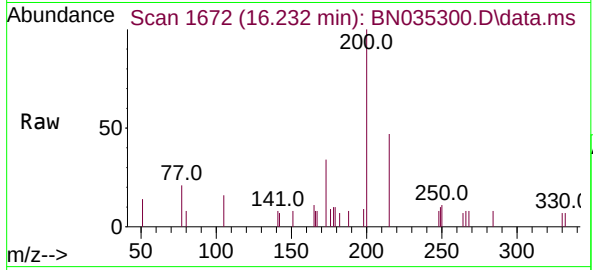
#23
Atrazine
Concen: 0.431 ng
RT: 16.232 min Scan# 1672
Delta R.T. -0.006 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 103
Ion Ratio Lower Upper
200 100
173 33.7 25.8 38.8
215 46.8 38.6 58.0

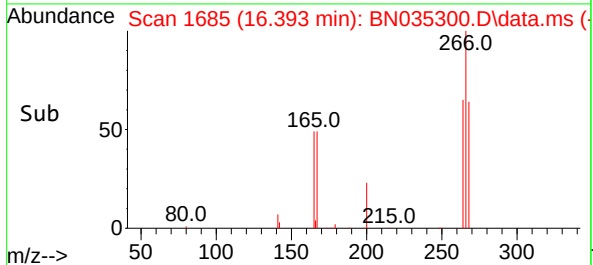
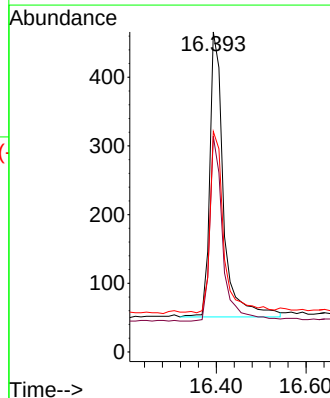
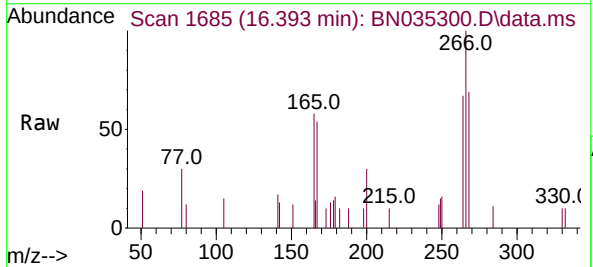
Manual Integrations
APPROVED

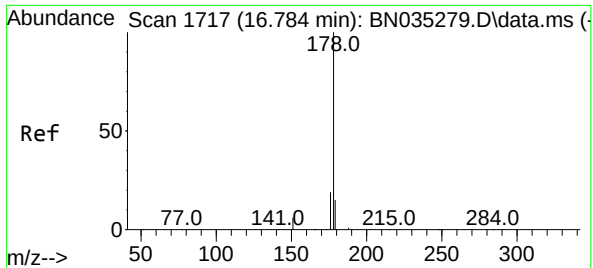
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#24
Pentachlorophenol
Concen: 0.450 ng
RT: 16.393 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

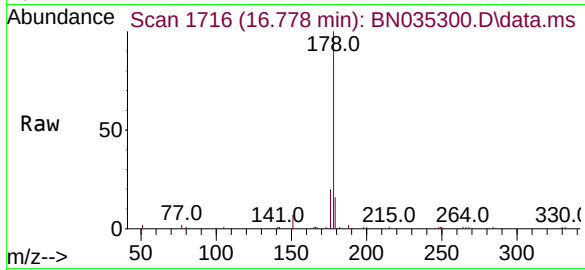
Tgt Ion:266 Resp: 878
Ion Ratio Lower Upper
266 100
264 61.7 49.3 73.9
268 63.4 48.6 73.0





#25
Phenanthrene
Concen: 0.356 ng
RT: 16.778 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

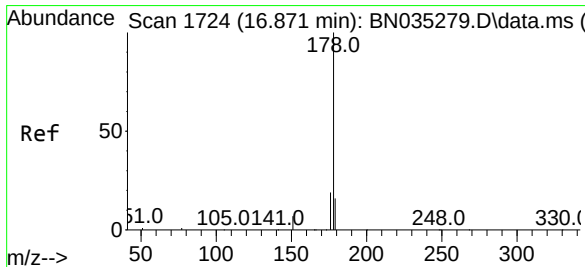
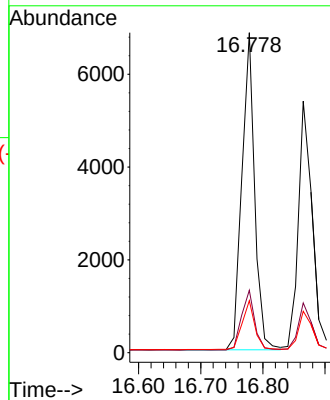
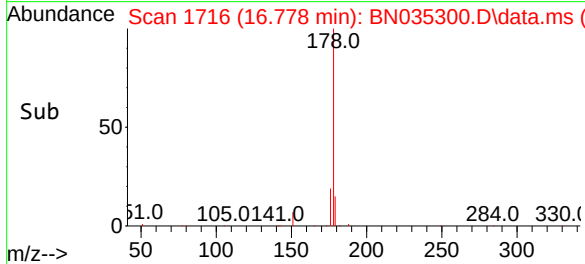
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:178 Resp: 9774
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.5 12.6 18.8

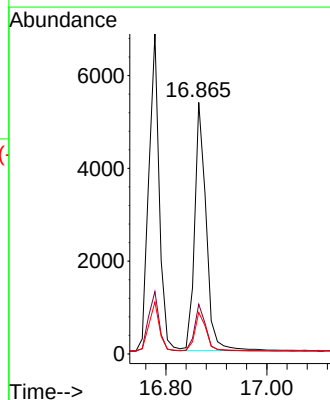
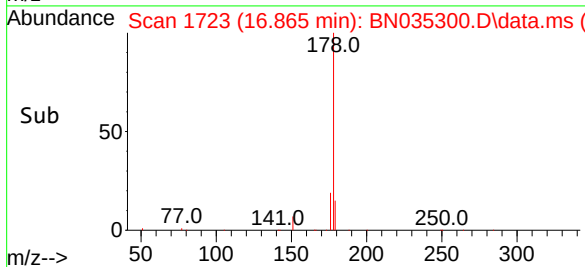
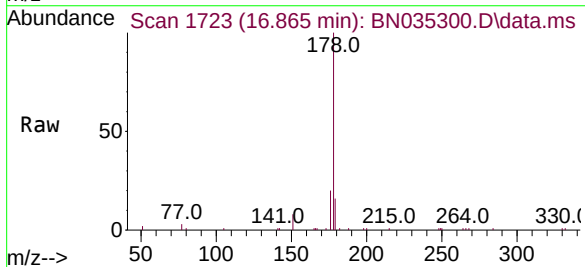
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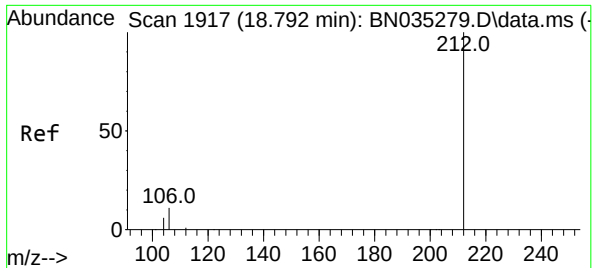
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#26
Anthracene
Concen: 0.357 ng
RT: 16.865 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion:178 Resp: 8425
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.5 12.4 18.6





#27

Fluoranthene-d10

Concen: 0.353 ng

RT: 18.790 min Scan# 1915

Delta R.T. -0.002 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

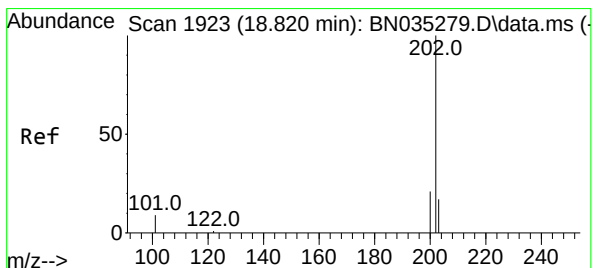
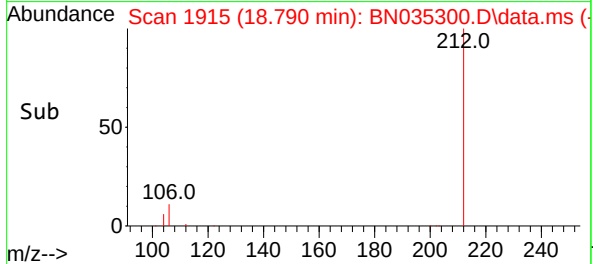
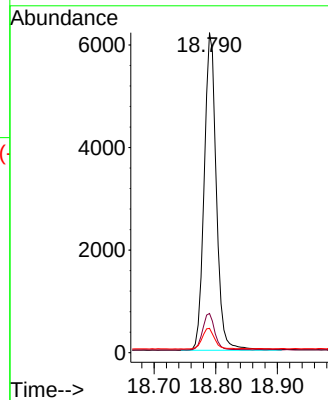
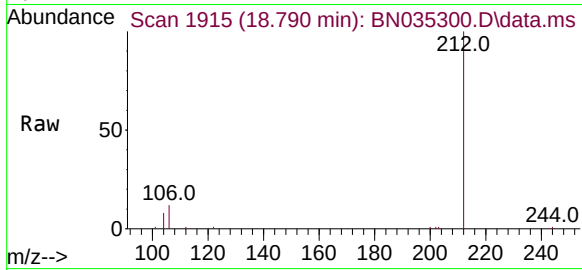
Tgt Ion:	212	Resp:	844
Ion Ratio	Lower	Upper	
212	100		
106	11.6	9.8	14.8
104	6.8	5.6	8.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#28

Fluoranthene

Concen: 0.319 ng

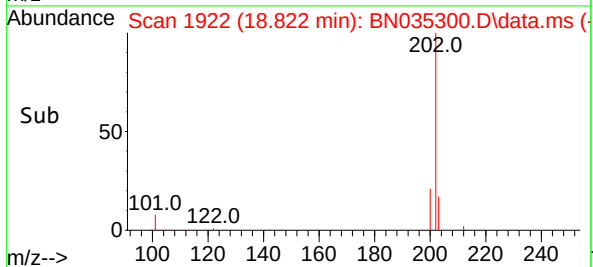
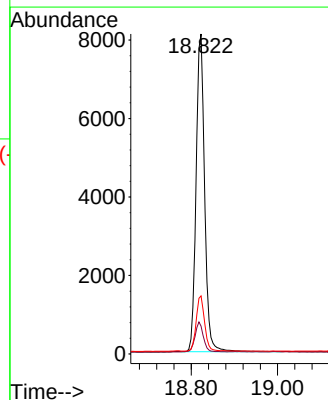
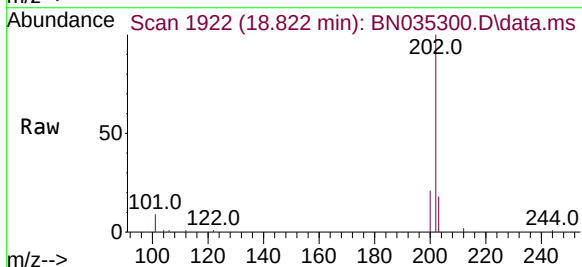
RT: 18.822 min Scan# 1922

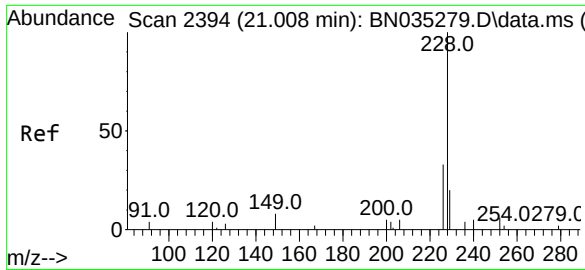
Delta R.T. 0.002 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

Tgt Ion:	202	Resp:	11052
Ion Ratio	Lower	Upper	
202	100		
101	9.1	7.6	11.4
203	17.1	13.8	20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.006 min Scan# 21

Delta R.T. -0.002 min

Lab File: BN035300.D

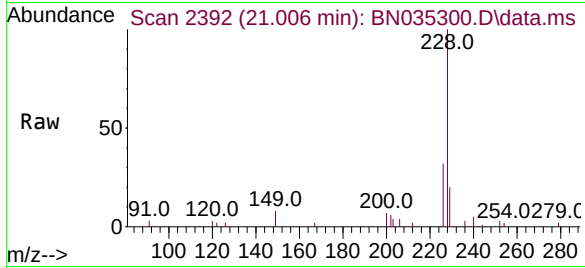
Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC



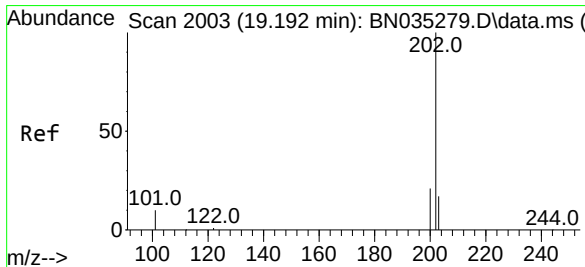
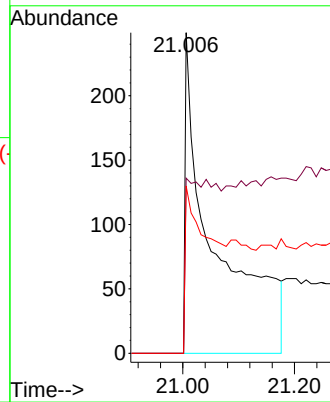
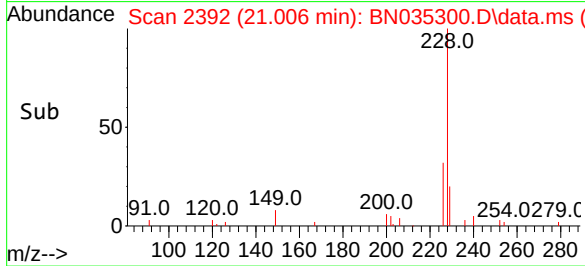
Tgt Ion:	240	Resp:	87
Ion Ratio	Lower	Upper	
240	100		
120	54.6	54.9	82.3
236	52.2	54.0	81.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#30

Pyrene

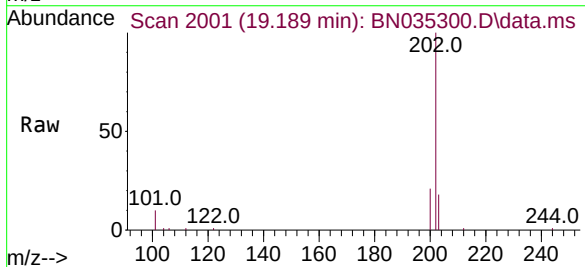
Concen: 0.351 ng

RT: 19.189 min Scan# 2001

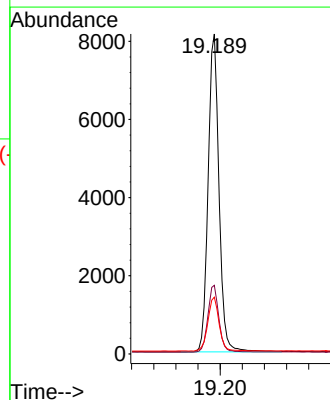
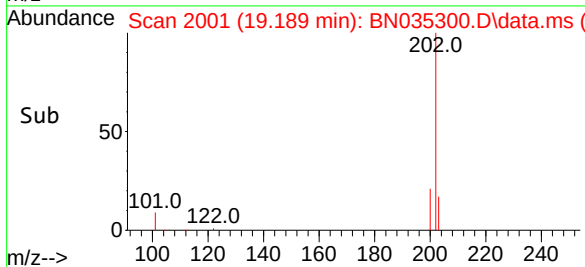
Delta R.T. -0.003 min

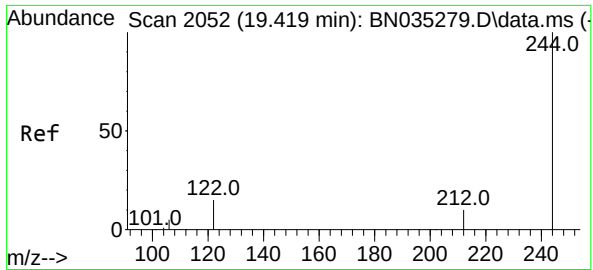
Lab File: BN035300.D

Acq: 26 Nov 2024 03:14



Tgt Ion:	202	Resp:	11118
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.8	25.2
203	17.6	14.4	21.6





#31
Terphenyl-d14
Concen: 0.361 ng
RT: 19.422 min Scan# 2051
Delta R.T. 0.003 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

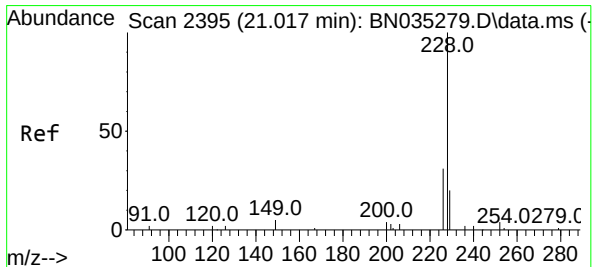
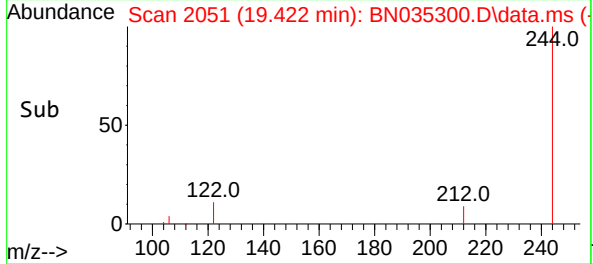
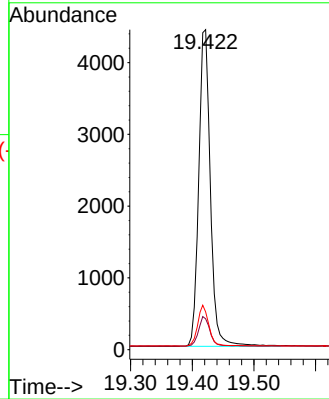
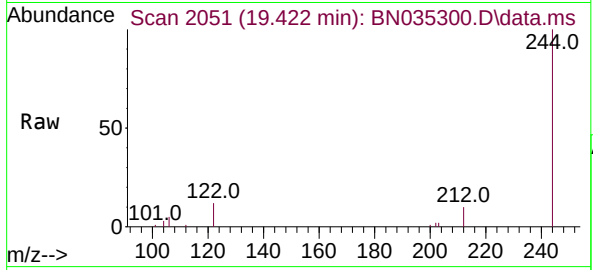
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.6	9.4	14.0
122	11.8	13.0	19.4

Manual Integrations

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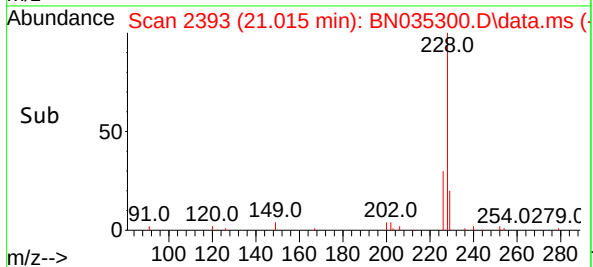
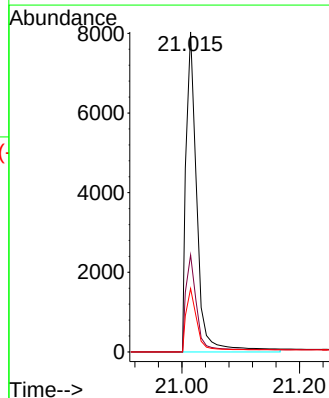
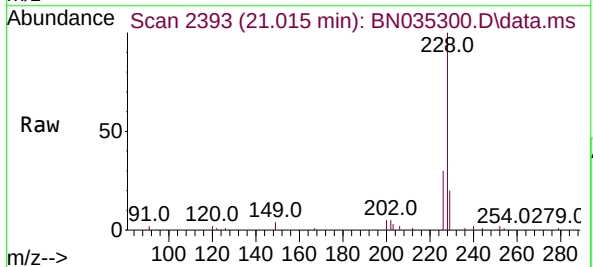
Reviewed By :Yogesh Patel 11/27/2024

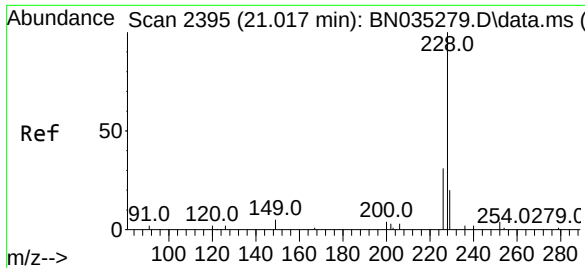
Supervised By :mohammad ahmed 11/27/2024



#32
Benzo(a)anthracene
Concen: 0.342 ng
RT: 21.015 min Scan# 2393
Delta R.T. -0.002 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.7	37.1
229	19.8	16.2	24.2





#33

Chrysene

Concen: 0.342 ng

RT: 21.015 min Scan# 21

Delta R.T. -0.002 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:228 Resp: 1036

Ion Ratio Lower Upper

228 100

226 30.3 24.7 37.1

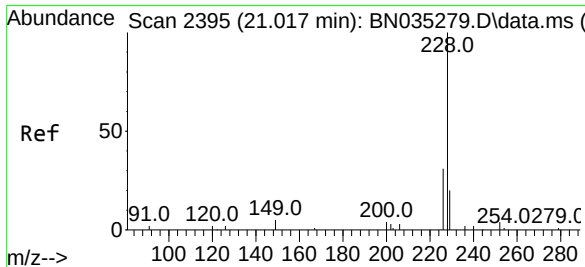
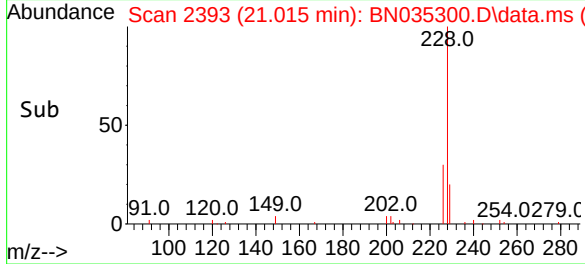
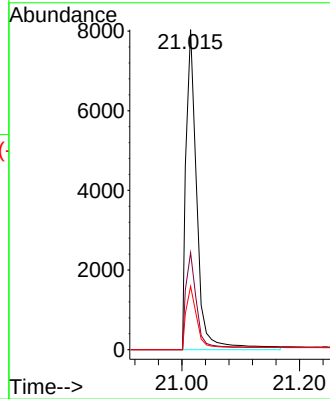
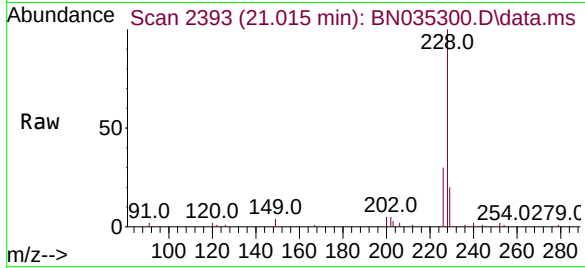
229 19.8 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.358 ng

RT: 21.015 min Scan# 2393

Delta R.T. -0.002 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

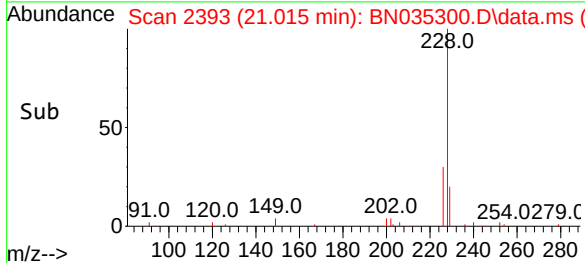
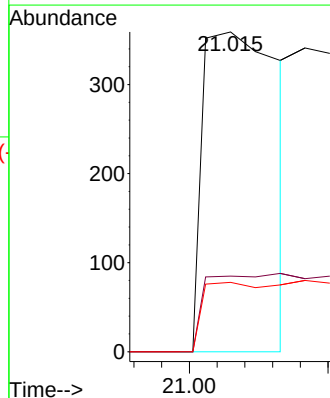
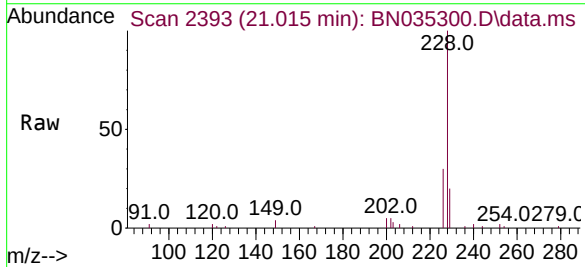
Tgt Ion:149 Resp: 596

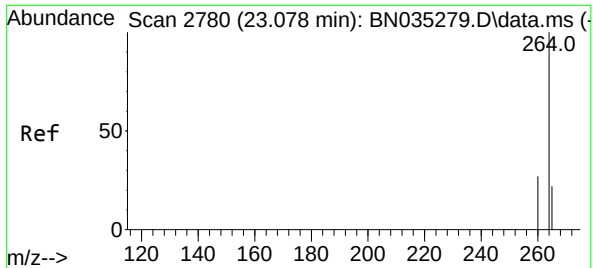
Ion Ratio Lower Upper

149 100

167 32.0 0.0 0.0#

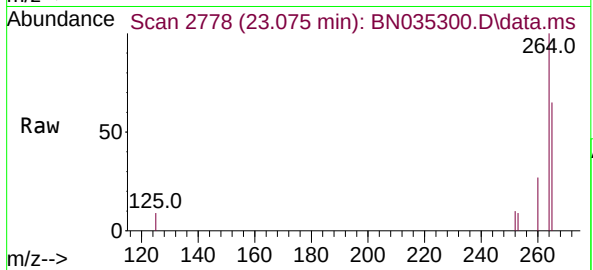
279 15.4 13.0 19.6





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.075 min Scan# 21
Delta R.T. -0.002 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

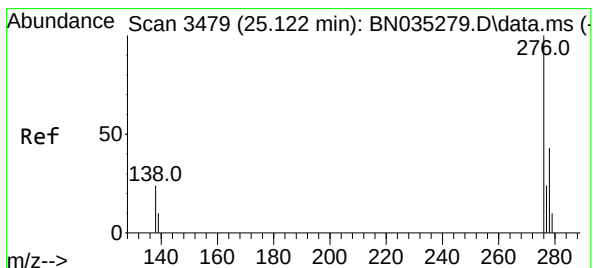
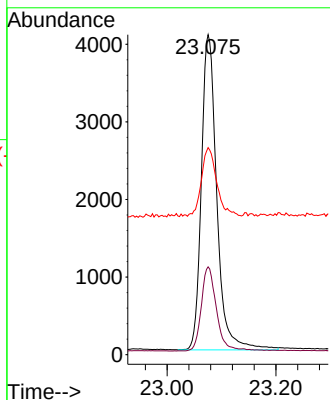
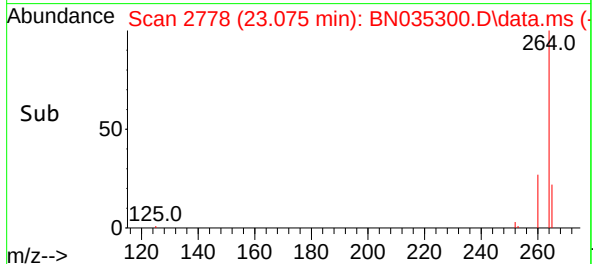
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:264 Resp: 800
Ion Ratio Lower Upper
264 100
260 27.4 22.3 33.5
265 64.7 68.6 103.0

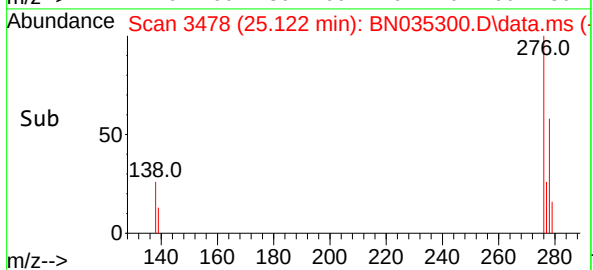
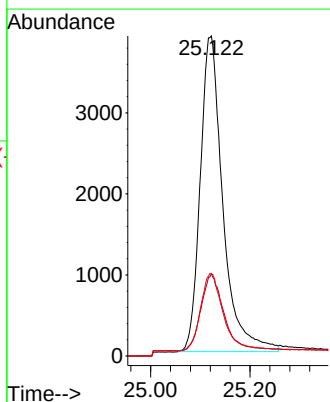
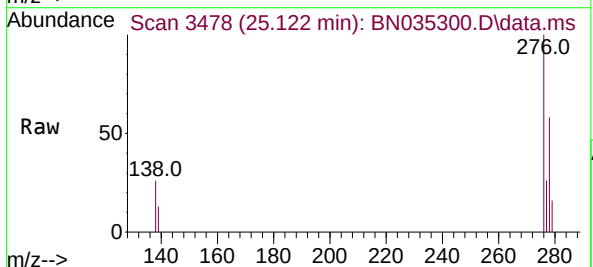
Manual Integrations
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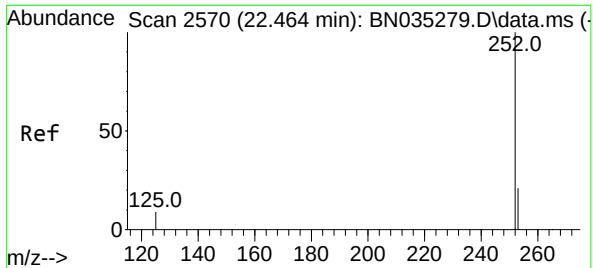
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.376 ng
RT: 25.122 min Scan# 3478
Delta R.T. 0.000 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion:276 Resp: 12330
Ion Ratio Lower Upper
276 100
138 23.7 18.8 28.2
277 24.0 18.2 27.4





#37

Benzo(b)fluoranthene

Concen: 0.302 ng

RT: 22.461 min Scan# 2568

Delta R.T. -0.002 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:252 Resp: 10480

Ion Ratio Lower Upper

252 100

253 25.1 20.2 30.2

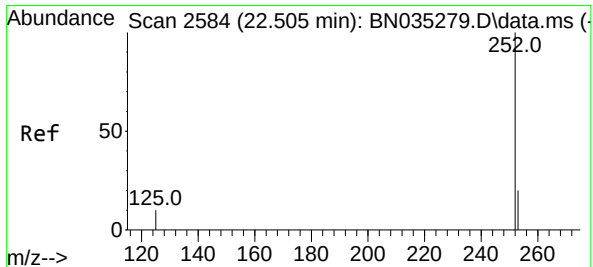
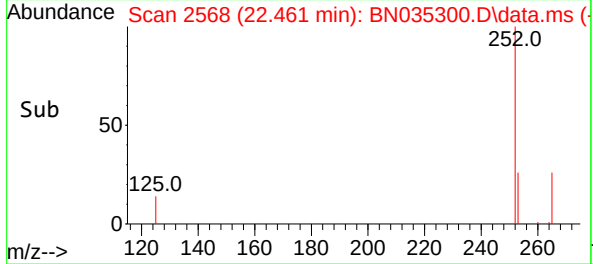
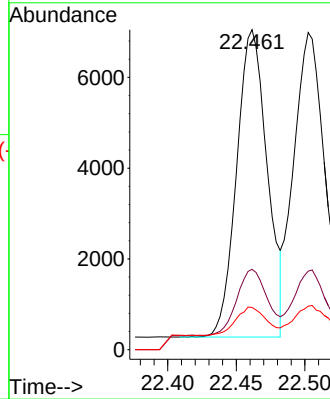
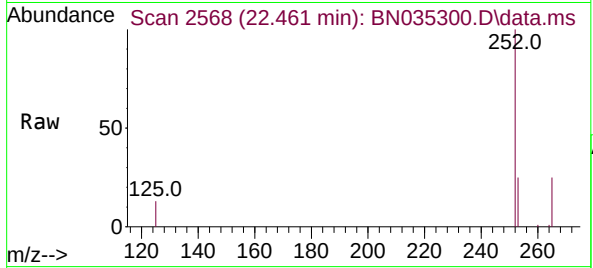
125 13.2 12.0 18.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#38

Benzo(k)fluoranthene

Concen: 0.313 ng

RT: 22.502 min Scan# 2582

Delta R.T. -0.002 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

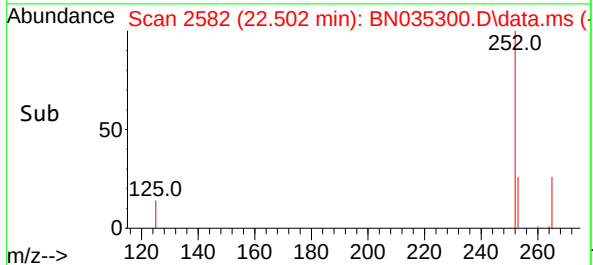
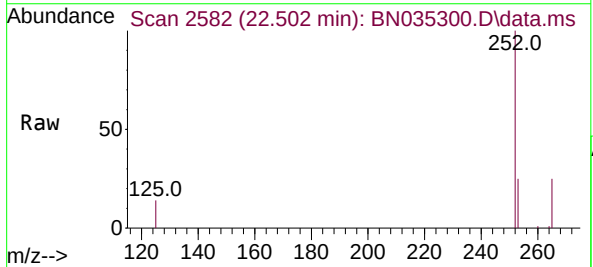
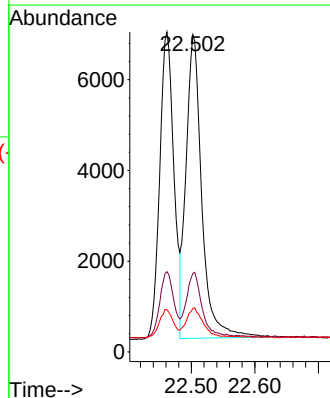
Tgt Ion:252 Resp: 11527

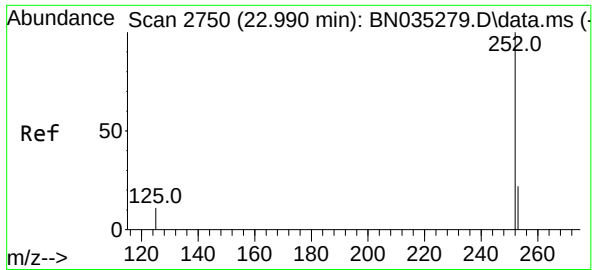
Ion Ratio Lower Upper

252 100

253 24.8 20.1 30.1

125 13.7 12.7 19.1





#39

Benzo(a)pyrene

Concen: 0.337 ng

RT: 22.988 min Scan# 21

Delta R.T. -0.002 min

Lab File: BN035300.D

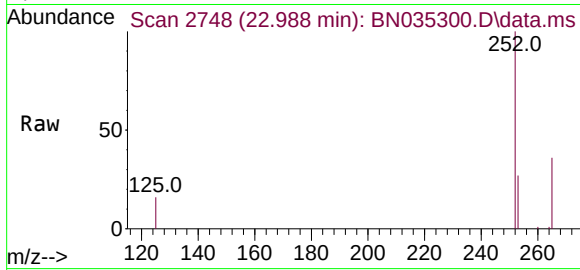
Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC



Tgt Ion:252 Resp: 8958

Ion Ratio Lower Upper

252 100

253 26.8 22.3 33.5

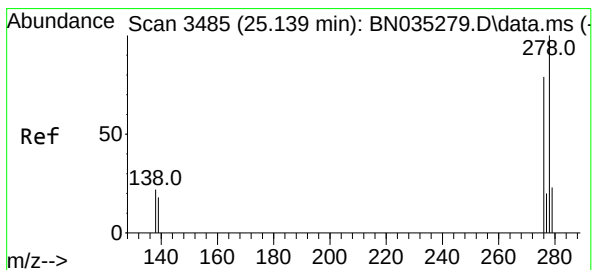
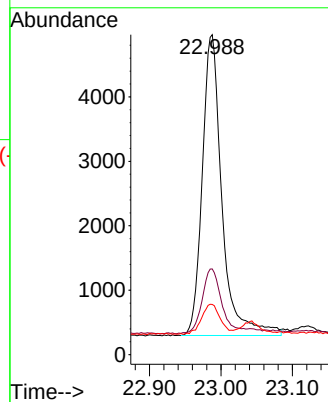
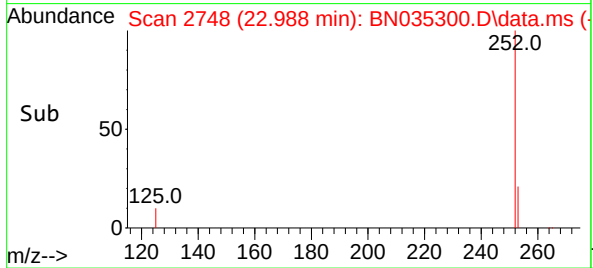
125 15.7 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.386 ng

RT: 25.137 min Scan# 3483

Delta R.T. -0.002 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

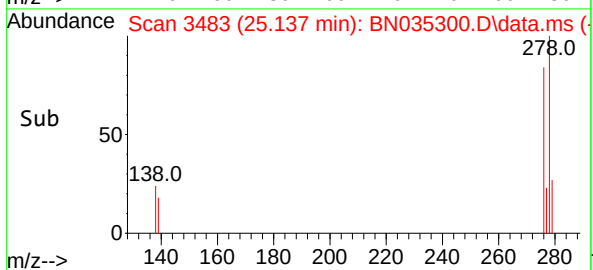
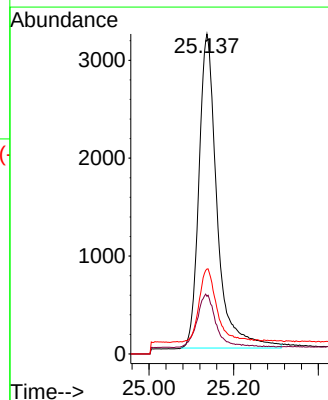
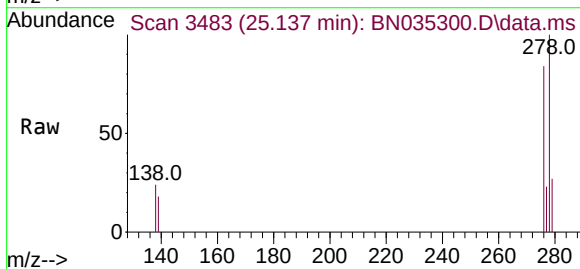
Tgt Ion:278 Resp: 9558

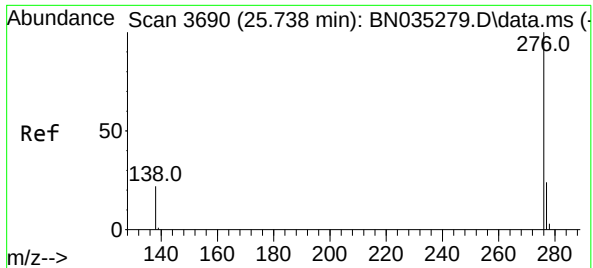
Ion Ratio Lower Upper

278 100

139 18.0 17.0 25.6

279 26.6 23.0 34.4





#41

Benzo(g,h,i)perylene

Concen: 0.372 ng

RT: 25.736 min Scan# 30

Delta R.T. -0.002 min

Lab File: BN035300.D

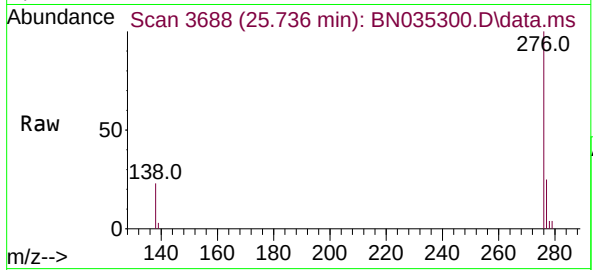
Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC



Tgt Ion:276 Resp: 1064

Ion Ratio Lower Upper

276 100

277 25.2 21.1 31.7

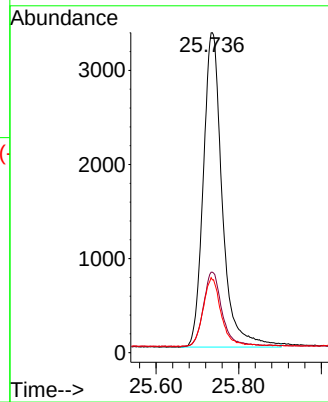
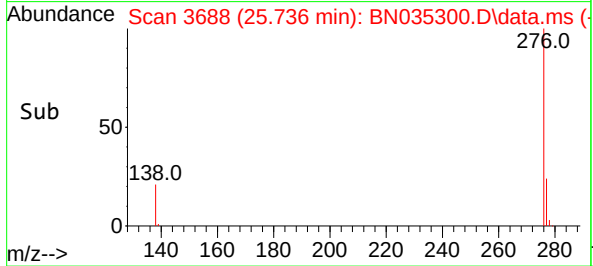
138 22.7 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035300.D
 Acq On : 26 Nov 2024 03:14
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 26 04:38:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 02:36:08 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	173#	0.00
2	1,4-Dioxane	0.288	0.391	-35.8#	236#	0.00
3	n-Nitrosodimethylamine	0.298	0.288	3.4	176#	0.00
4 S	2-Fluorophenol	0.756	1.011	-33.7#	222#	0.00
5 S	Phenol-d6	1.056	1.202	-13.8	188#	0.00
6	bis(2-Chloroethyl)ether	0.889	0.966	-8.7	187#	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	164#	0.00
8 S	Nitrobenzene-d5	0.324	0.212	34.6#	101	0.00
9	Naphthalene	1.110	1.061	4.4	160#	-0.01
10	Hexachlorobutadiene	0.312	0.250	19.9	132	-0.01
11 SURR	2-Methylnaphthalene-d10	0.560	0.555	0.9	169#	0.00
12	2-Methylnaphthalene	0.726	0.673	7.3	162#	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	158#	0.00
14 S	2,4,6-Tribromophenol	0.204	0.208	-2.0	182#	0.00
15 S	2-Fluorobiphenyl	0.221	0.171	22.6	110	0.00
16	Acenaphthylene	2.013	1.650	18.0	138	0.00
17	Acenaphthene	1.267	1.103	12.9	148	0.00
18	Fluorene	1.777	1.411	20.6	136	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	130	0.00
20	4,6-Dinitro-2-methylphenol	0.041	0.036	12.2	137	0.00
21	4-Bromophenyl-phenylether	0.254	0.250	1.6	138	0.00
22	Hexachlorobenzene	0.363	0.304	16.3	112	0.00
23	Atrazine	0.107	0.115	-7.5	150	0.00
24	Pentachlorophenol	0.087	0.098	-12.6	161#	0.00
25	Phenanthrene	1.229	1.093	11.1	125	0.00
26	Anthracene	1.055	0.942	10.7	134	0.00
27 SURR	Fluoranthene-d10	1.070	0.944	11.8	127	0.00
28	Fluoranthene	1.550	1.236	20.3	120	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	149	0.00
30	Pyrene	14.551	12.765	12.3	124	0.00
31 S	Terphenyl-d14	7.392	6.672	9.7	137	0.00
32	Benzo(a)anthracene	13.920	11.897	14.5	128	0.00
33	Chrysene	13.920	11.897	14.5	128	0.00
34	Bis(2-ethylhexyl)phthalate	0.765	0.684	10.6	112	0.00
35 I	Perylene-d12	1.000	1.000	0.0	171#	0.00
36	Indeno(1,2,3-cd)pyrene	1.638	1.541	5.9	173#	0.00
37	Benzo(b)fluoranthene	1.738	1.311	24.6	154#	0.00
38	Benzo(k)fluoranthene	1.839	1.441	21.6	151#	0.00
39 C	Benzo(a)pyrene	1.329	1.120	15.7	167#	0.00
40	Dibenzo(a,h)anthracene	1.238	1.195	3.5	184#	0.00
41	Benzo(g,h,i)perylene	1.432	1.331	7.1	183#	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035300.D
 Acq On : 26 Nov 2024 03:14
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 26 04:38:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 02:36:08 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	173	0.00
2	1,4-Dioxane	0.400	0.544	-36.0#	236	0.00
3	n-Nitrosodimethylamine	0.400	0.387	3.3	176	0.00
4 S	2-Fluorophenol	0.400	0.535	-33.8#	222	0.00
5 S	Phenol-d6	0.400	0.455	-13.7	188	0.00
6	bis(2-Chloroethyl)ether	0.400	0.435	-8.7	187	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	164	0.00
8 S	Nitrobenzene-d5	0.400	0.262	34.5#	101	0.00
9	Naphthalene	0.400	0.382	4.5	160	-0.01
10	Hexachlorobutadiene	0.400	0.321	19.8	132	-0.01
11 SURR	2-Methylnaphthalene-d10	0.400	0.396	1.0	169	0.00
12	2-Methylnaphthalene	0.400	0.371	7.3	162	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	158	0.00
14 S	2,4,6-Tribromophenol	0.400	0.408	-2.0	182	0.00
15 S	2-Fluorobiphenyl	0.400	0.310	22.5	110	0.00
16	Acenaphthylene	0.400	0.328	18.0	138	0.00
17	Acenaphthene	0.400	0.348	13.0	148	0.00
18	Fluorene	0.400	0.318	20.5	136	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	130	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.436	-9.0	137	0.00
21	4-Bromophenyl-phenylether	0.400	0.394	1.5	138	0.00
22	Hexachlorobenzene	0.400	0.335	16.3	112	0.00
23	Atrazine	0.400	0.431	-7.7	150	0.00
24	Pentachlorophenol	0.400	0.450	-12.5	161	0.00
25	Phenanthrene	0.400	0.356	11.0	125	0.00
26	Anthracene	0.400	0.357	10.8	134	0.00
27 SURR	Fluoranthene-d10	0.400	0.353	11.8	127	0.00
28	Fluoranthene	0.400	0.319	20.3	120	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	149	0.00
30	Pyrene	0.400	0.351	12.3	124	0.00
31 S	Terphenyl-d14	0.400	0.361	9.8	137	0.00
32	Benzo(a)anthracene	0.400	0.342	14.5	128	0.00
33	Chrysene	0.400	0.342	14.5	128	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.358	10.5	112	0.00
35 I	Perylene-d12	0.400	0.400	0.0	171	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.376	6.0	173	0.00
37	Benzo(b)fluoranthene	0.400	0.302	24.5	154	0.00
38	Benzo(k)fluoranthene	0.400	0.313	21.8	151	0.00
39 C	Benzo(a)pyrene	0.400	0.337	15.8	167	0.00
40	Dibenzo(a,h)anthracene	0.400	0.386	3.5	184	0.00
41	Benzo(g,h,i)perylene	0.400	0.372	7.0	183	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG No.: P4959

Instrument ID: BNA_N Calibration Date/Time: 11/28/2024 04:51

Lab File ID: BN035368.D Init. Calib. Date(s): 11/27/2024 11/27/2024

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 15:34 19:09

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.626	0.617		-1.4	20.0
Fluoranthene-d10	1.134	1.065		-6.1	20.0
2-Fluorophenol	1.001	1.030		2.9	20.0
Phenol-d6	1.204	1.273		5.7	20.0
Nitrobenzene-d5	0.244	0.241		-1.2	20.0
2-Fluorobiphenyl	1.512	1.520		0.5	20.0
2,4,6-Tribromophenol	0.284	0.280		-1.4	20.0
Terphenyl-d14	0.789	0.788		-0.1	20.0
1,4-Dioxane	0.382	0.375		-1.8	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035368.D
 Acq On : 28 Nov 2024 04:51
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024

Quant Time: Nov 28 05:19:23 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 27 23:03:24 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2051	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5360	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	3908	0.400	ng	0.00
19) Phenanthrene-d10	16.723	188	9758	0.400	ng	#-0.01
29) Chrysene-d12	20.974	240	9496	0.400	ng	0.00
35) Perylene-d12	23.067	264	10416	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	2113	0.412	ng	0.00
5) Phenol-d6	6.513	99	2611	0.423	ng	0.00
8) Nitrobenzene-d5	8.440	82	1292m	0.395	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	3309	0.394	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	1093	0.394	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	5940	0.402	ng	0.00
27) Fluoranthene-d10	18.785	212	10388	0.376	ng	0.00
31) Terphenyl-d14	19.412	244	7482	0.399	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	770	0.393	ng	100
3) n-Nitrosodimethylamine	3.292	42	671	0.411	ng	# 98
6) bis(2-Chloroethyl)ether	6.759	93	2024	0.390	ng	100
9) Naphthalene	10.105	128	5590	0.395	ng	100
10) Hexachlorobutadiene	10.404	225	1343	0.412	ng	# 100
12) 2-Methylnaphthalene	11.732	142	4014	0.397	ng	99
16) Acenaphthylene	13.679	152	6370	0.388	ng	99
17) Acenaphthene	14.031	154	4272	0.392	ng	100
18) Fluorene	15.026	166	6118	0.392	ng	99
20) 4,6-Dinitro-2-methylph...	15.132	198	349	0.364	ng	98
21) 4-Bromophenyl-phenylether	15.941	248	2214	0.388	ng	99
22) Hexachlorobenzene	16.040	284	2712	0.405	ng	99
23) Atrazine	16.227	200	1469	0.362	ng	98
24) Pentachlorophenol	16.400	266	1108	0.380	ng	87
25) Phenanthrene	16.773	178	10414	0.389	ng	100
26) Anthracene	16.860	178	9214	0.380	ng	100
28) Fluoranthene	18.812	202	13563	0.375	ng	100
30) Pyrene	19.184	202	14155	0.404	ng	100
32) Benzo(a)anthracene	20.956	228	12659	0.381	ng	100
33) Chrysene	21.009	228	13795	0.403	ng	99
34) Bis(2-ethylhexyl)phtha...	20.929	149	4791	0.365	ng	100
36) Indeno(1,2,3-cd)pyrene	25.105	276	15947	0.392	ng	99
37) Benzo(b)fluoranthene	22.453	252	16437	0.431	ng	100
38) Benzo(k)fluoranthene	22.497	252	14678	0.391	ng	99
39) Benzo(a)pyrene	22.980	252	11871	0.378	ng	99
40) Dibenzo(a,h)anthracene	25.128	278	12541	0.390	ng	99
41) Benzo(g,h,i)perylene	25.722	276	12859	0.383	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

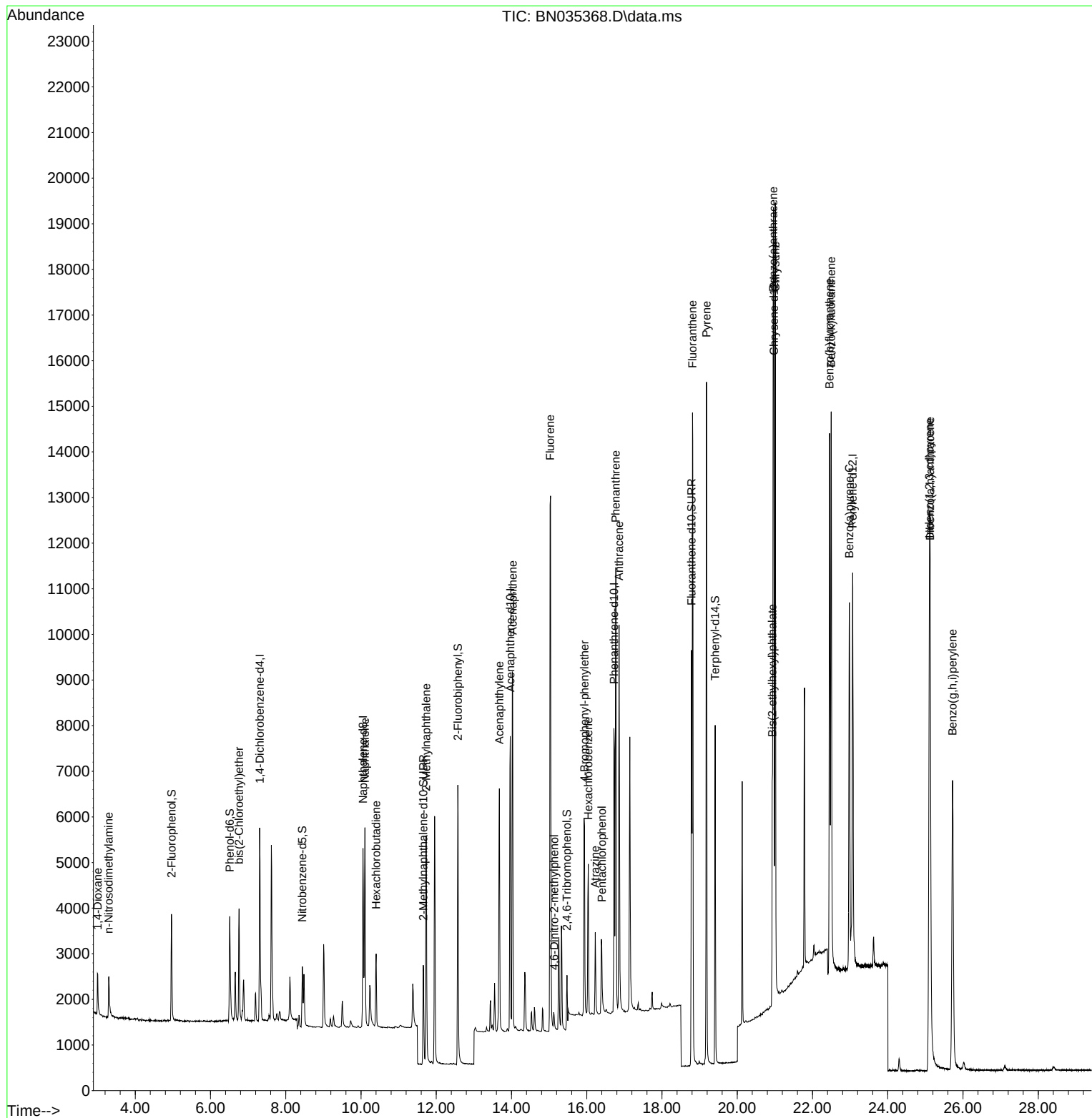
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035368.D
Acq On : 28 Nov 2024 04:51
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 22 Sample Multiplier: 1

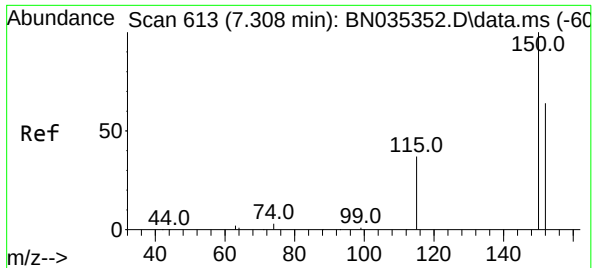
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024

Quant Time: Nov 28 05:19:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration





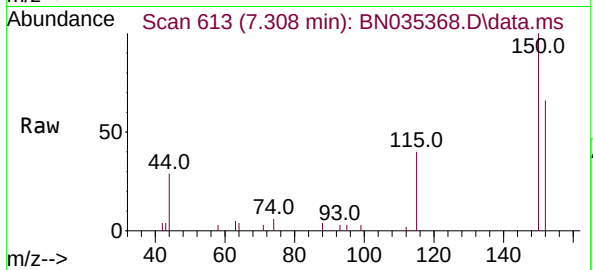
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 613
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

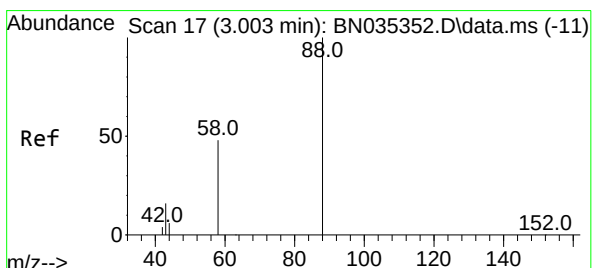
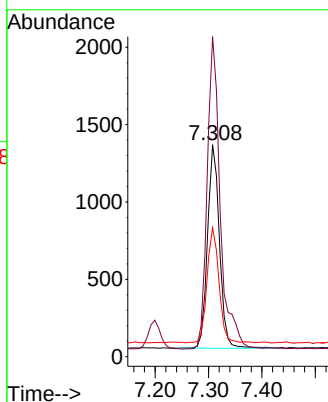
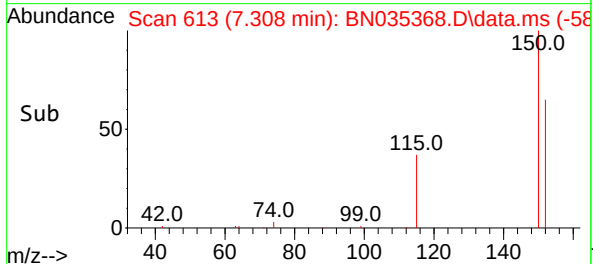


Tgt Ion: 152 Resp: 205
Ion Ratio Lower Upper
152 100
150 150.9 124.0 186.0
115 60.8 49.6 74.4

Manual Integrations

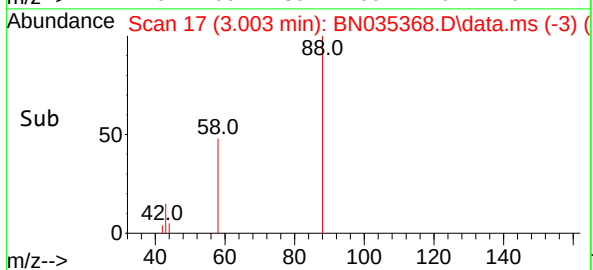
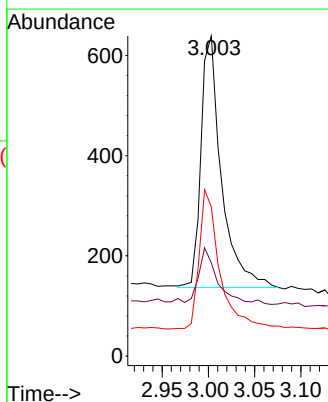
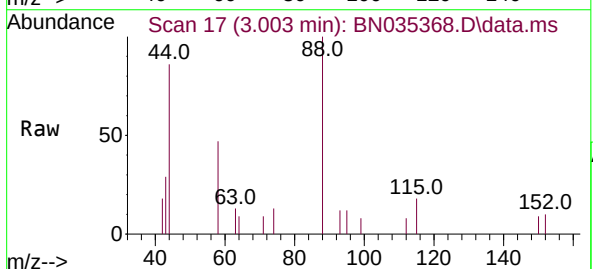
APPROVED

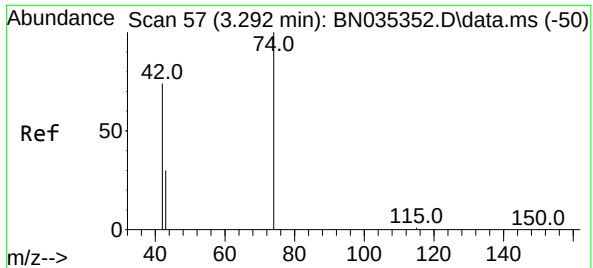
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#2
1,4-Dioxane
Concen: 0.393 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

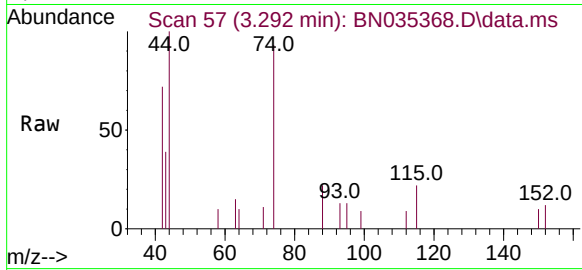
Tgt Ion: 88 Resp: 770
Ion Ratio Lower Upper
88 100
43 22.2 17.2 25.8
58 55.6 44.5 66.7





#3
n-Nitrosodimethylamine
Concen: 0.411 ng
RT: 3.292 min Scan# 57
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

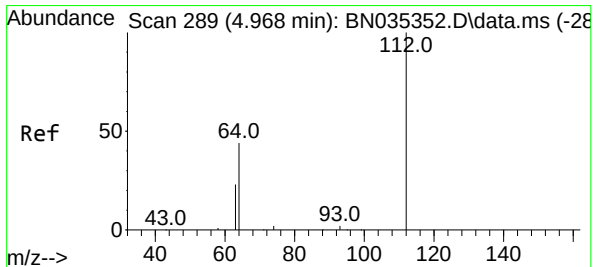
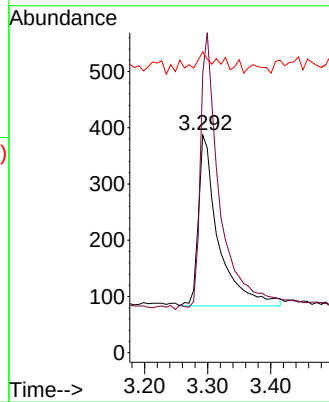
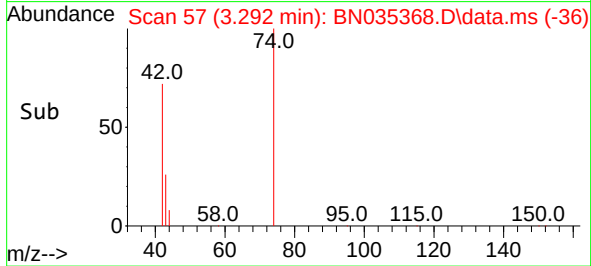
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion: 42 Resp: 67
Ion Ratio Lower Upper
42 100
74 158.9 124.9 187.3
44 4.3 2.2 3.4

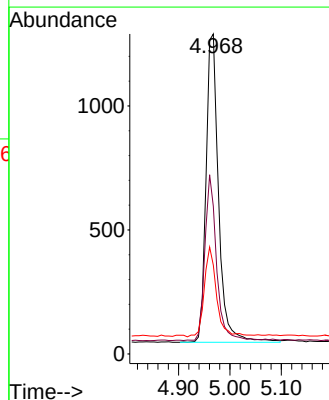
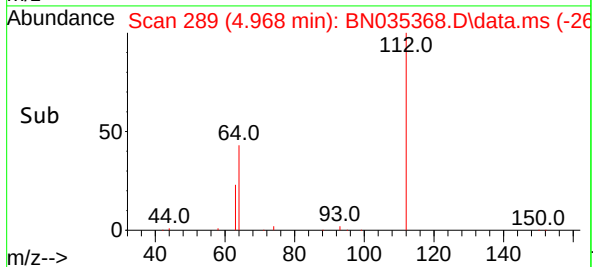
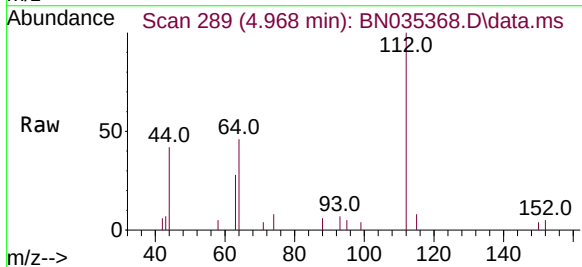
Manual Integrations
APPROVED

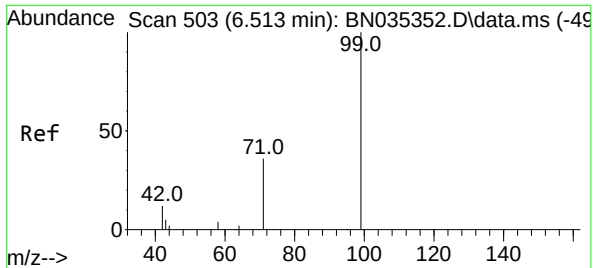
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#4
2-Fluorophenol
Concen: 0.412 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

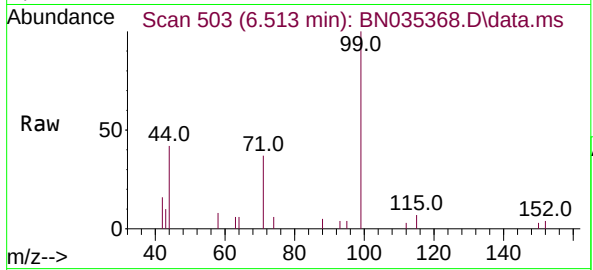
Tgt Ion:112 Resp: 2113
Ion Ratio Lower Upper
112 100
64 49.9 39.8 59.8
63 28.7 21.0 31.6





#5
Phenol-d6
Concen: 0.423 ng
RT: 6.513 min Scan# 503
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

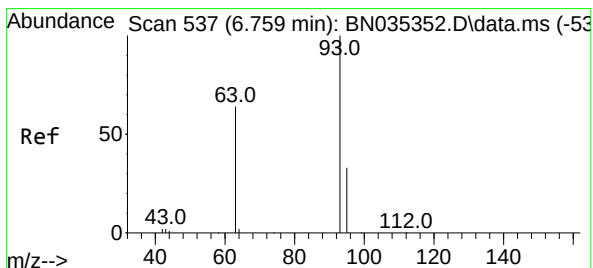
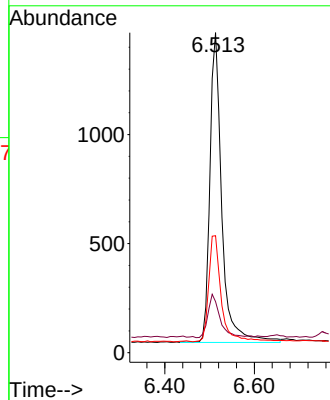
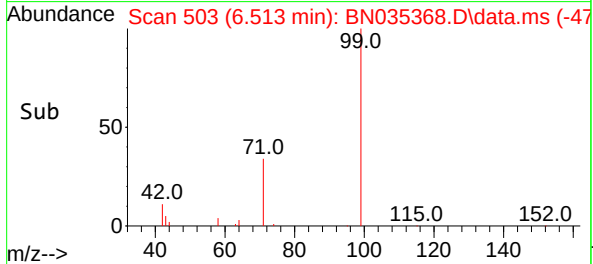
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion: 99 Resp: 261
Ion Ratio Lower Upper
99 100
42 14.4 11.4 17.2
71 36.8 29.3 43.9

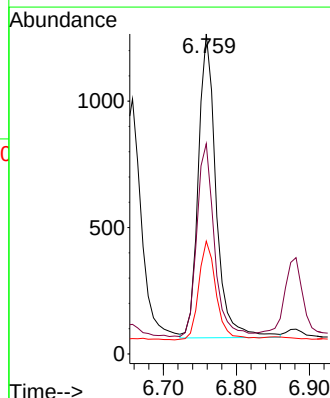
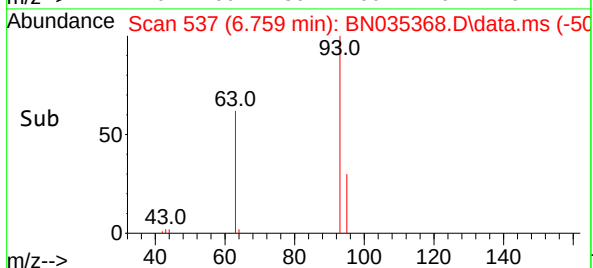
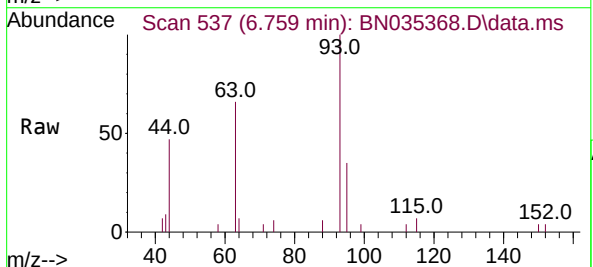
Manual Integrations
APPROVED

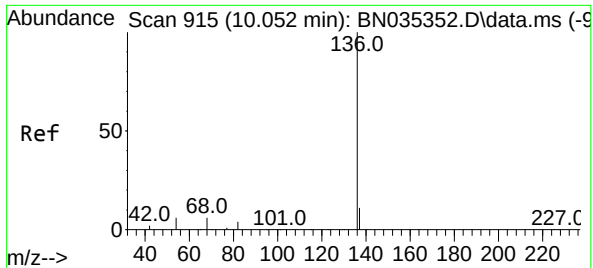
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#6
bis(2-Chloroethyl)ether
Concen: 0.390 ng
RT: 6.759 min Scan# 537
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion: 93 Resp: 2024
Ion Ratio Lower Upper
93 100
63 62.9 50.4 75.6
95 32.0 25.7 38.5





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Instrument :

BNA_N

ClientSampleId :

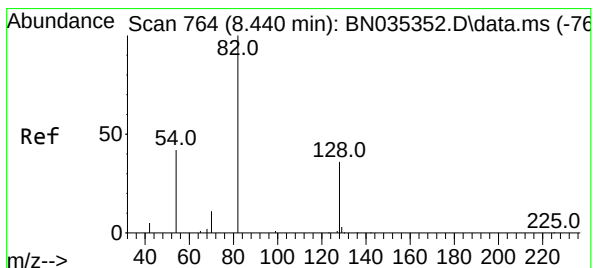
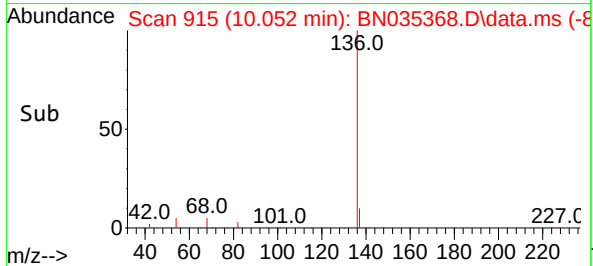
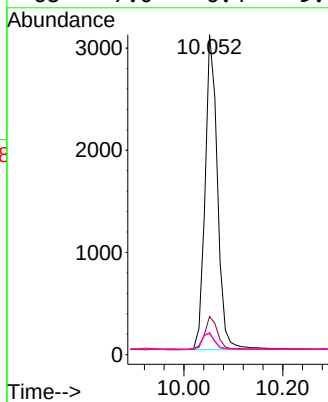
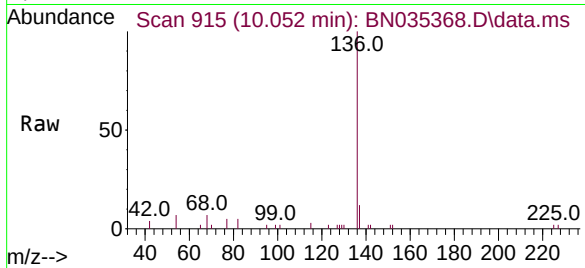
SSTDCCC0.4

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.9	10.2	15.2
54	6.6	6.1	9.1
68	7.0	6.4	9.6

Manual Integrations

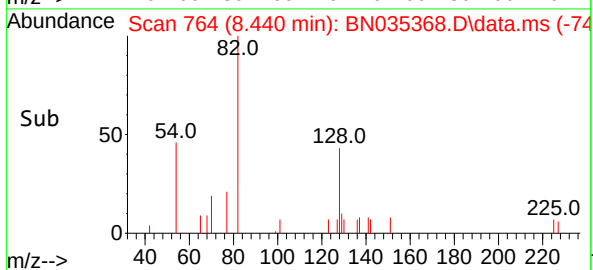
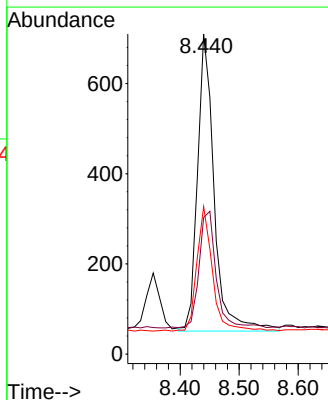
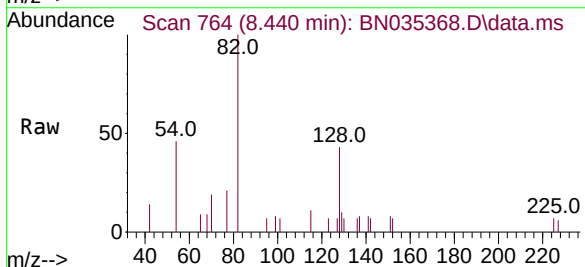
APPROVED

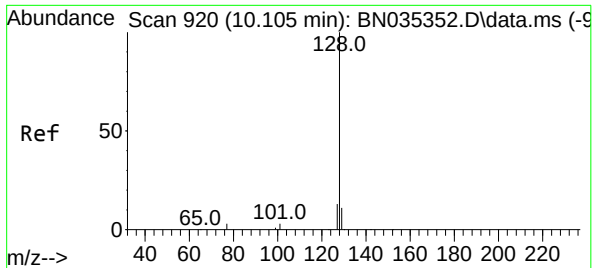
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#8
Nitrobenzene-d5
Concen: 0.395 ng m
RT: 8.440 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

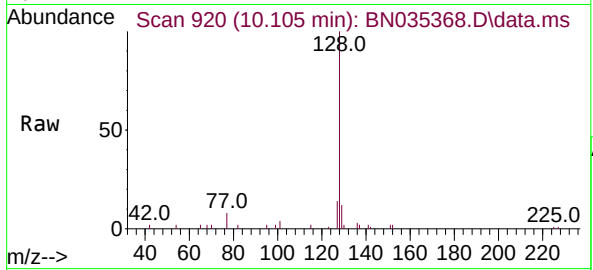
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.4	50.0
54	46.1	36.7	55.1





#9
Naphthalene
Concen: 0.395 ng
RT: 10.105 min Scan# 912
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

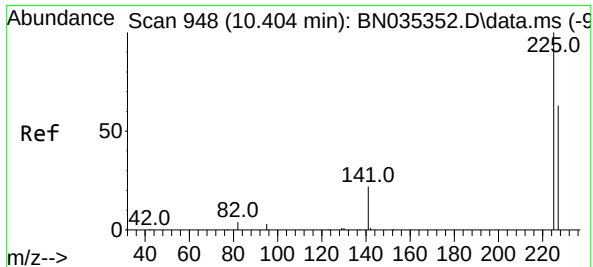
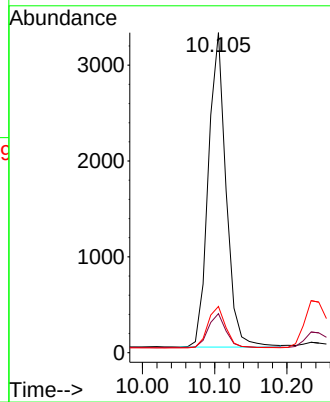
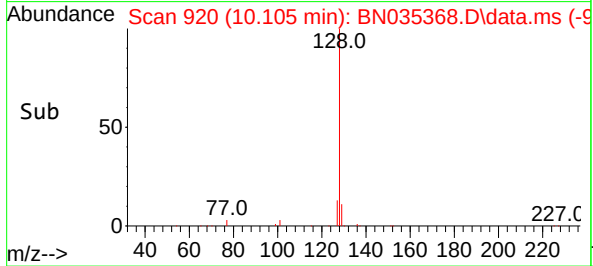
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:128 Resp: 5590
Ion Ratio Lower Upper
128 100
129 12.2 9.8 14.6
127 14.4 11.4 17.2

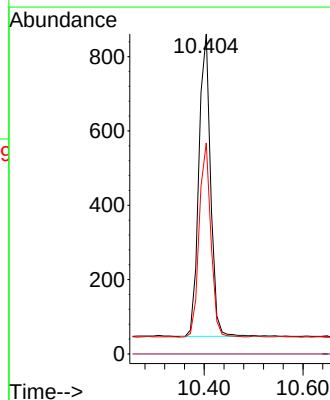
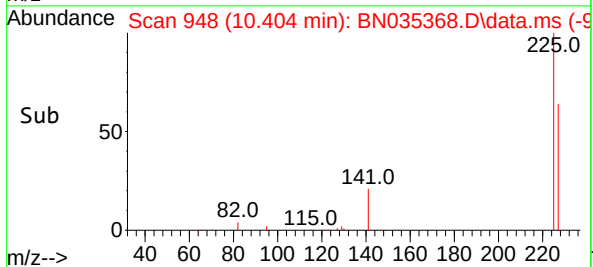
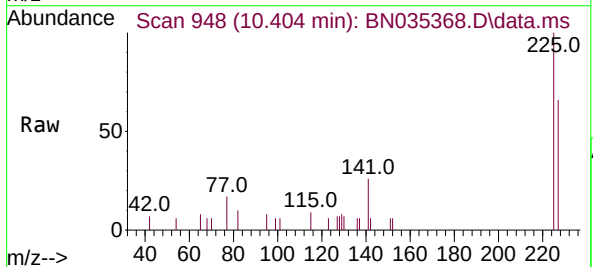
Manual Integrations
APPROVED

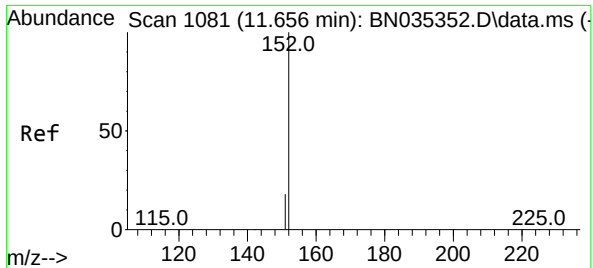
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#10
Hexachlorobutadiene
Concen: 0.412 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

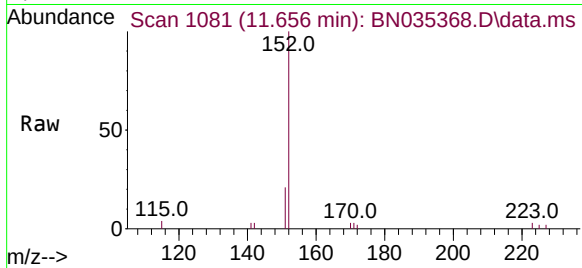
Tgt Ion:225 Resp: 1343
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 51.3 76.9





#11
2-Methylnaphthalene-d10
Concen: 0.394 ng
RT: 11.656 min Scan# 1081
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

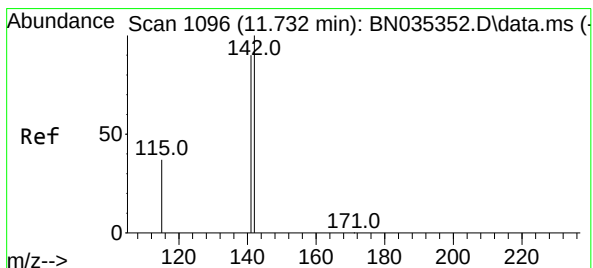
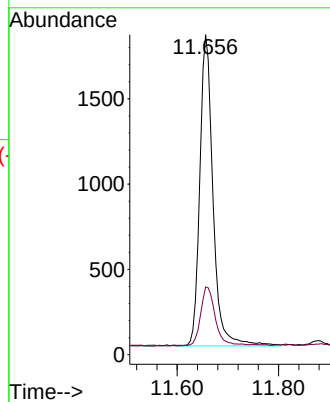
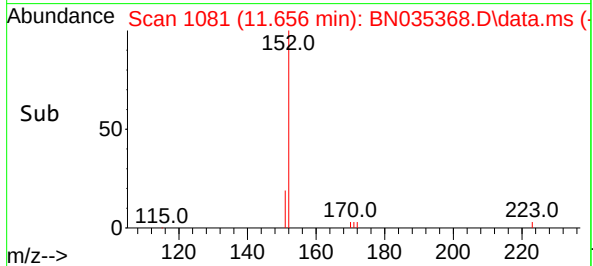
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:152 Resp: 3309
Ion Ratio Lower Upper
152 100
151 20.4 16.6 25.0

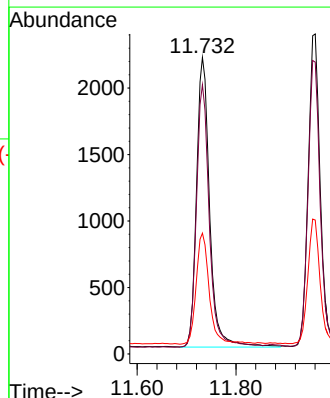
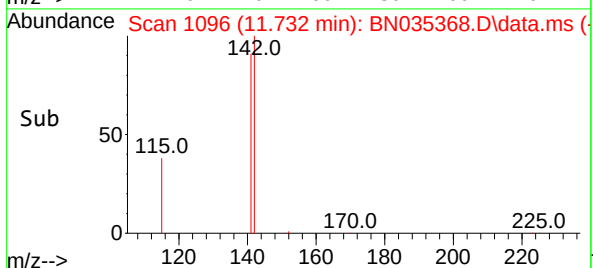
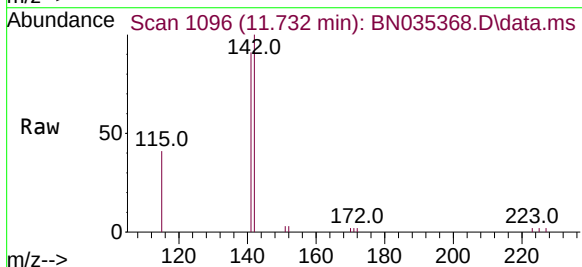
Manual Integrations
APPROVED

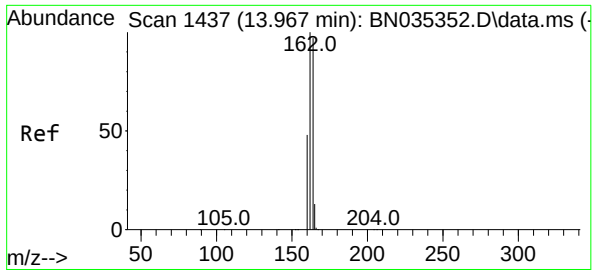
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#12
2-Methylnaphthalene
Concen: 0.397 ng
RT: 11.732 min Scan# 1096
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

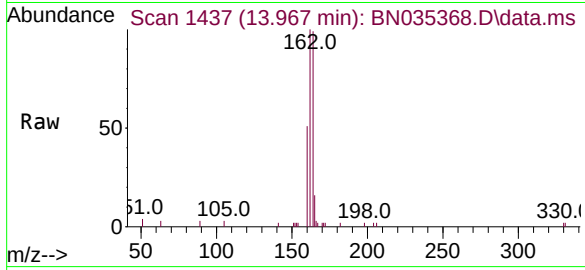
Tgt Ion:142 Resp: 4014
Ion Ratio Lower Upper
142 100
141 90.8 72.2 108.4
115 40.7 31.4 47.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

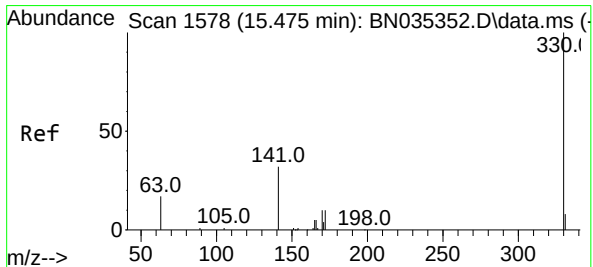
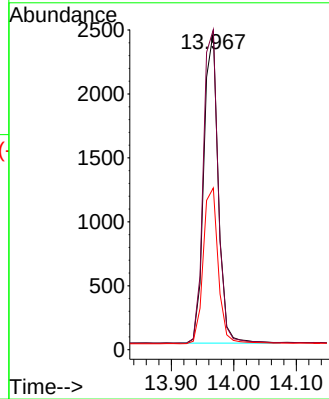
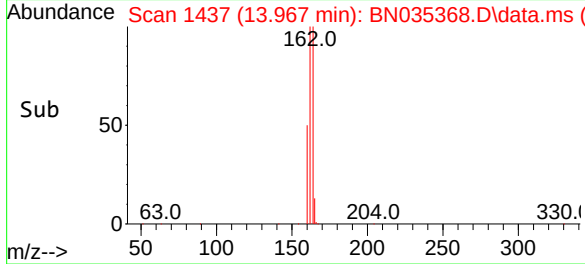
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:164 Resp: 3908
Ion Ratio Lower Upper
164 100
162 100.5 82.2 123.2
160 50.8 40.1 60.1

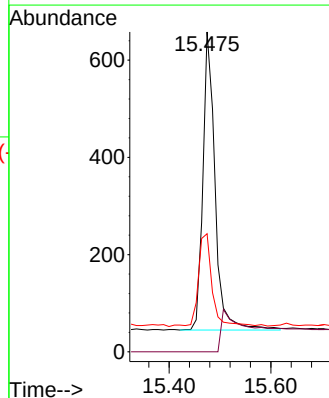
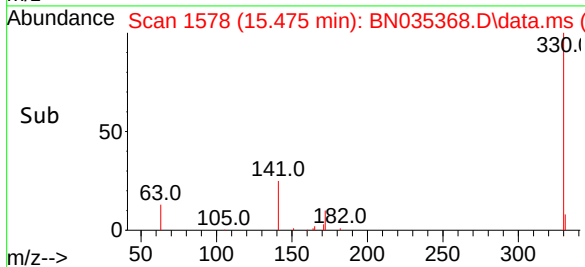
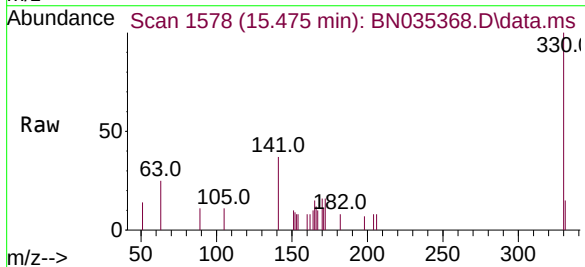
Manual Integrations
APPROVED

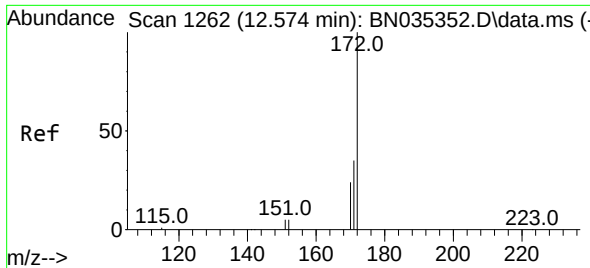
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#14
2,4,6-Tribromophenol
Concen: 0.394 ng
RT: 15.475 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion:330 Resp: 1093
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 35.1 26.6 40.0





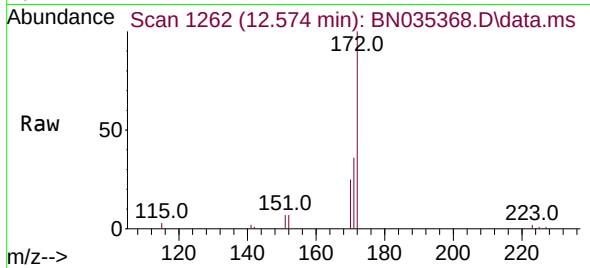
#15
2-Fluorobiphenyl
Concen: 0.402 ng
RT: 12.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



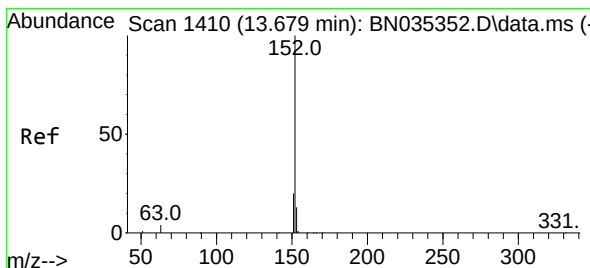
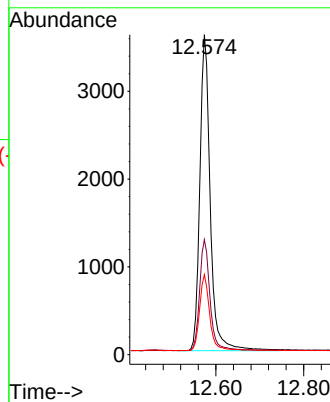
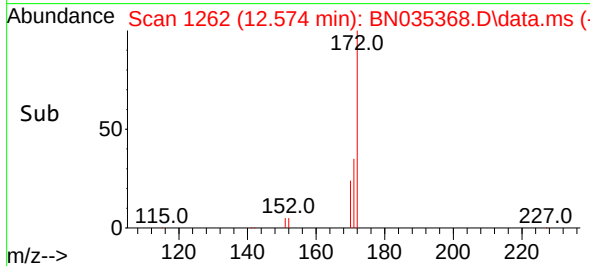
Tgt Ion:172 Resp: 5940
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.4
170 25.0 19.8 29.8

Manual Integrations

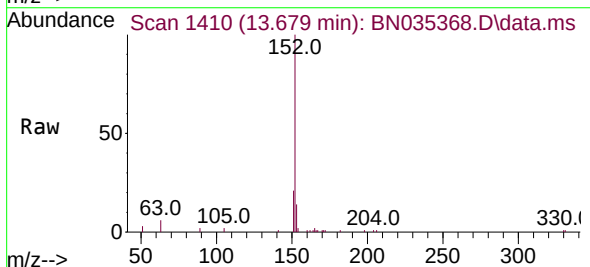
APPROVED

Reviewed By :Yogesh Patel 11/29/2024

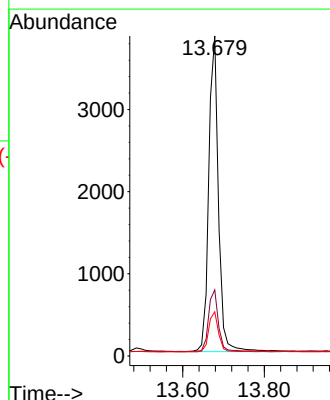
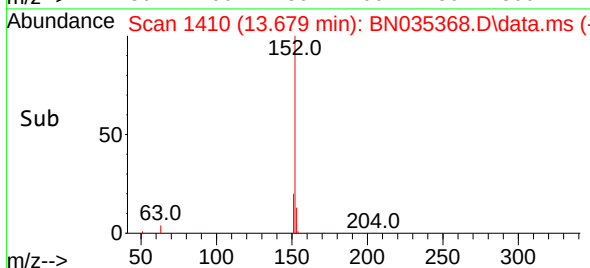
Supervised By :mohammad ahmed 11/29/2024

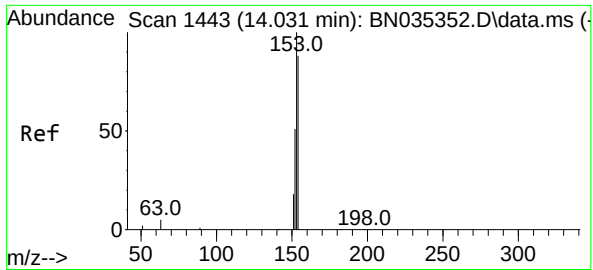


#16
Acenaphthylene
Concen: 0.388 ng
RT: 13.679 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51



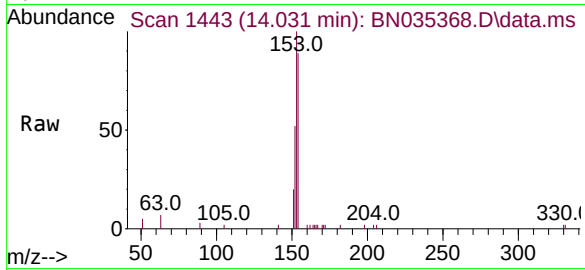
Tgt Ion:152 Resp: 6370
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 12.9 10.4 15.6





#17
Acenaphthene
Concen: 0.392 ng
RT: 14.031 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

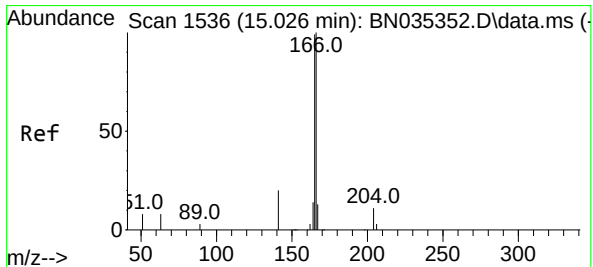
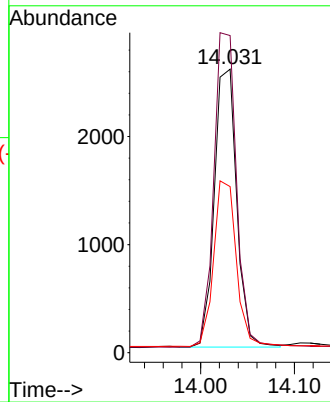
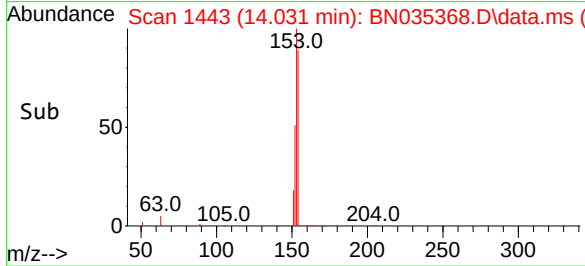
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:154 Resp: 4272
Ion Ratio Lower Upper
154 100
153 115.9 92.6 139.0
152 61.0 49.0 73.6

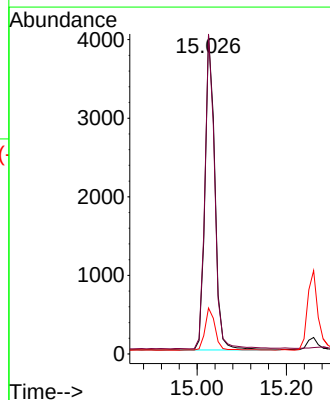
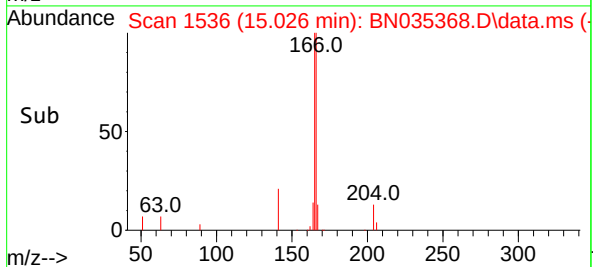
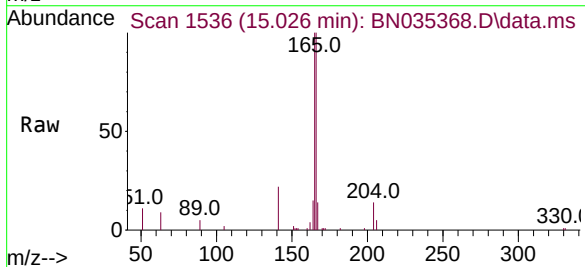
Manual Integrations
APPROVED

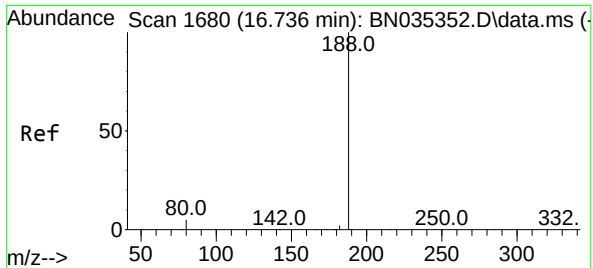
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#18
Fluorene
Concen: 0.392 ng
RT: 15.026 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

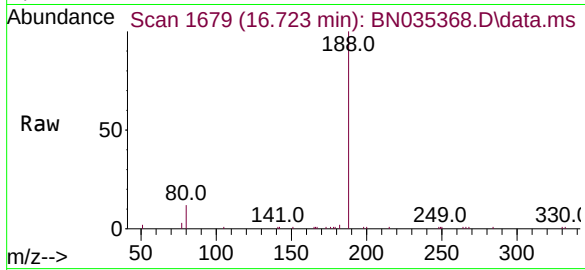
Tgt Ion:166 Resp: 6118
Ion Ratio Lower Upper
166 100
165 99.0 79.7 119.5
167 13.9 10.8 16.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.723 min Scan# 1679
Delta R.T. -0.012 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

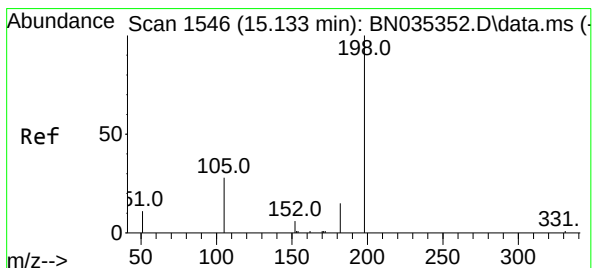
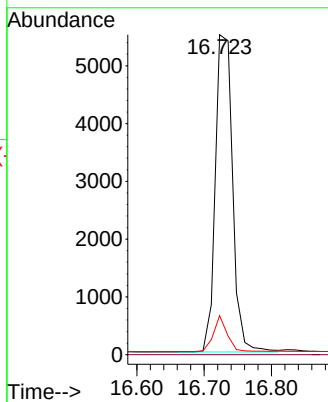
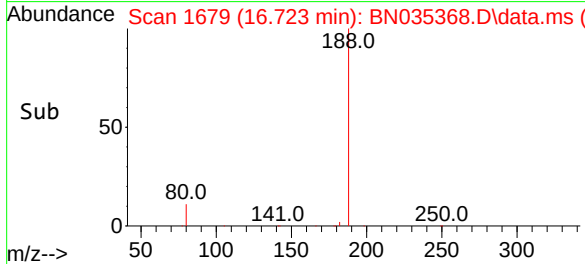
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:188 Resp: 975
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.2 4.6 6.8

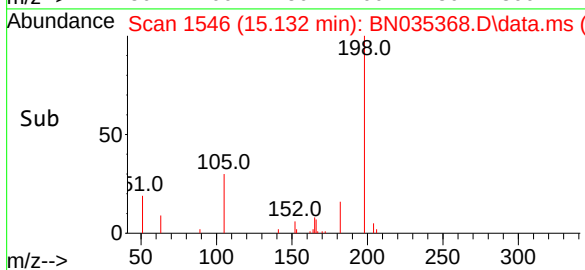
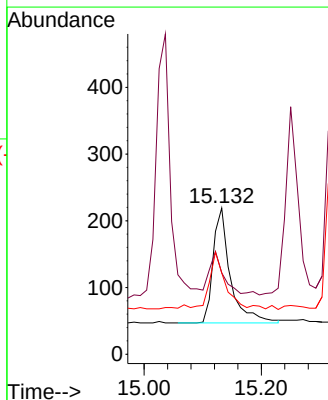
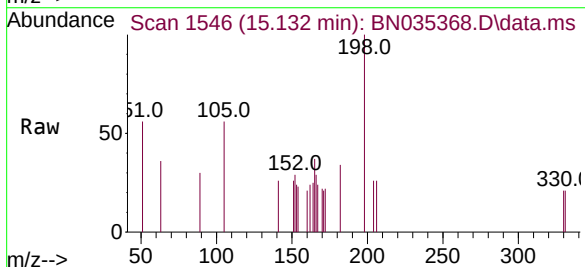
Manual Integrations
APPROVED

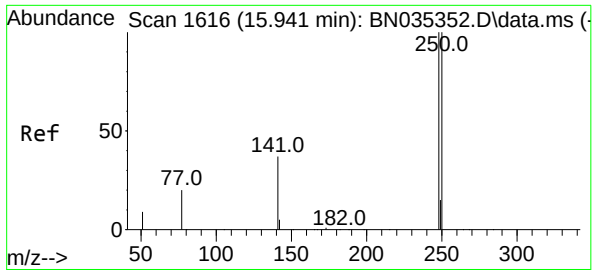
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#20
4,6-Dinitro-2-methylphenol
Concen: 0.364 ng
RT: 15.132 min Scan# 1546
Delta R.T. -0.001 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

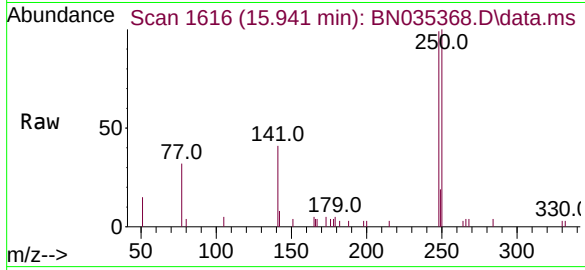
Tgt Ion:198 Resp: 349
Ion Ratio Lower Upper
198 100
51 55.7 46.5 69.7
105 55.7 45.3 67.9





#21
4-Bromophenyl-phenylether
Concen: 0.388 ng
RT: 15.941 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

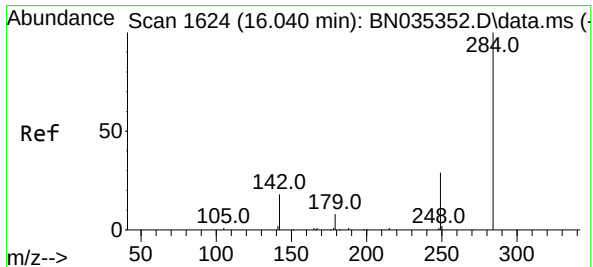
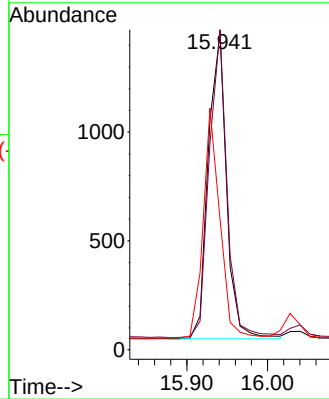
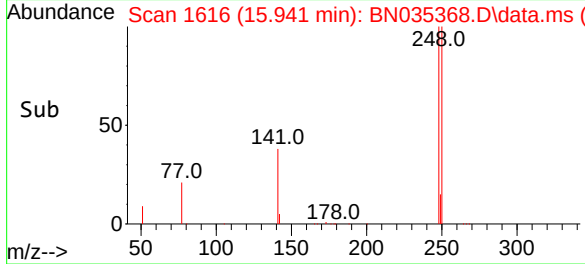
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:248 Resp: 2214
Ion Ratio Lower Upper
248 100
250 101.0 80.6 120.8
141 41.1 31.5 47.3

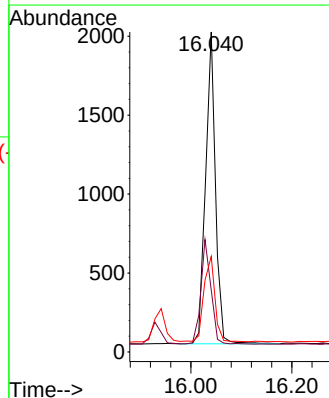
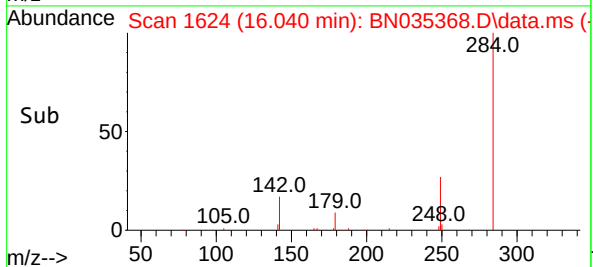
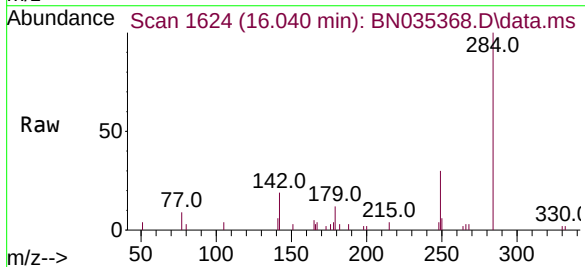
Manual Integrations
APPROVED

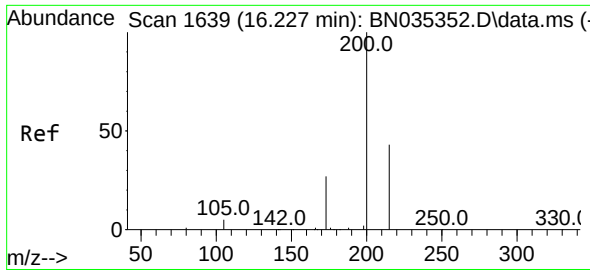
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#22
Hexachlorobenzene
Concen: 0.405 ng
RT: 16.040 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

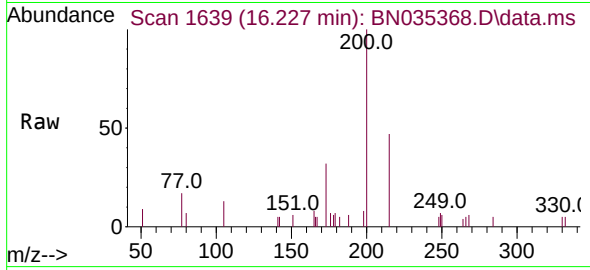
Tgt Ion:284 Resp: 2712
Ion Ratio Lower Upper
284 100
142 34.0 26.7 40.1
249 30.5 24.6 36.8





#23
Atrazine
Concen: 0.362 ng
RT: 16.227 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

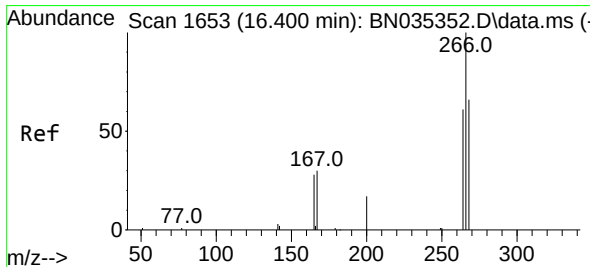
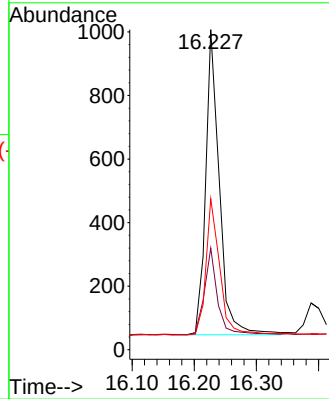
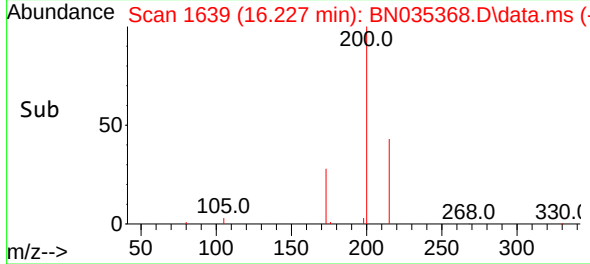
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:200 Resp: 1469
Ion Ratio Lower Upper
200 100
173 31.8 24.1 36.1
215 47.2 36.9 55.3

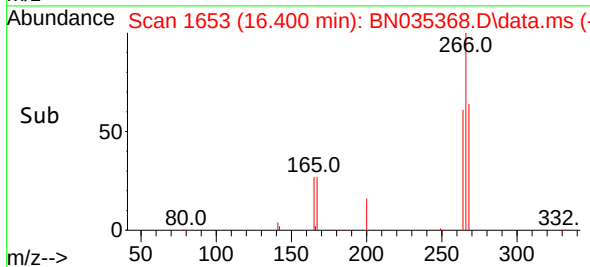
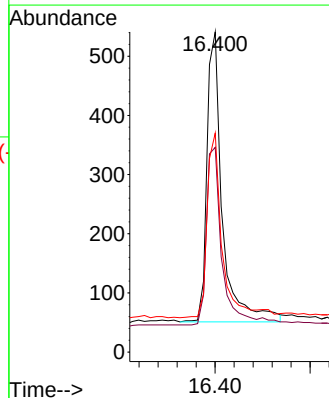
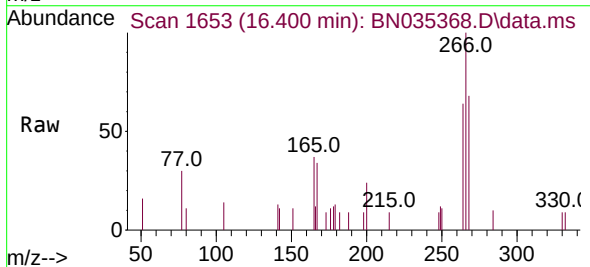
Manual Integrations
APPROVED

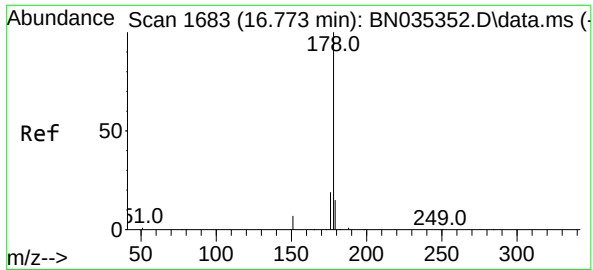
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#24
Pentachlorophenol
Concen: 0.380 ng
RT: 16.400 min Scan# 1653
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

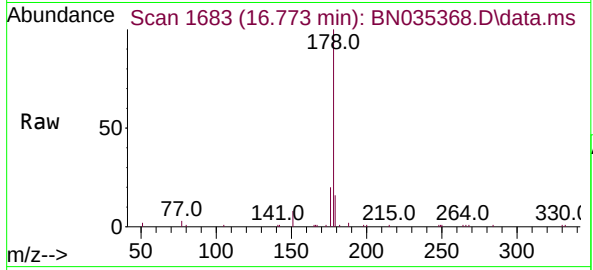
Tgt Ion:266 Resp: 1108
Ion Ratio Lower Upper
266 100
264 62.3 42.3 63.5
268 62.8 43.3 64.9





#25
Phenanthrene
Concen: 0.389 ng
RT: 16.773 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

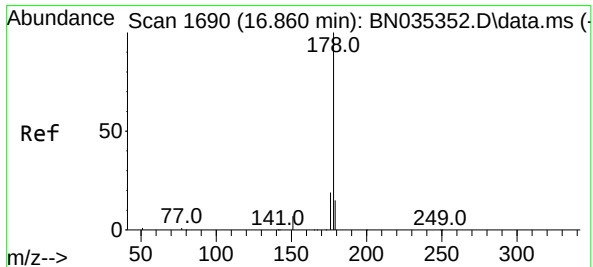
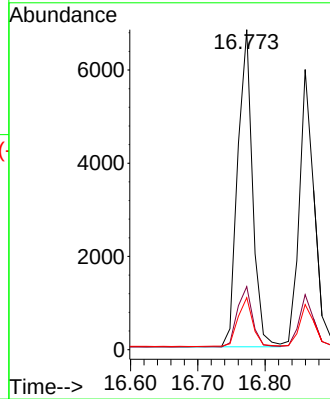
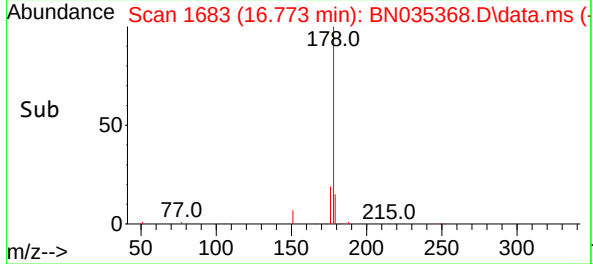
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:178 Resp: 10414
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.4 12.3 18.5

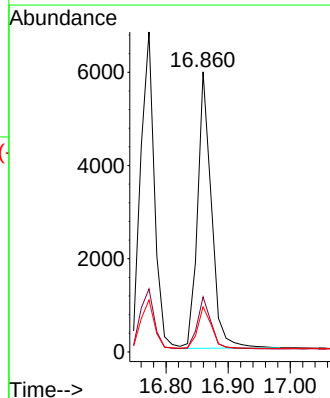
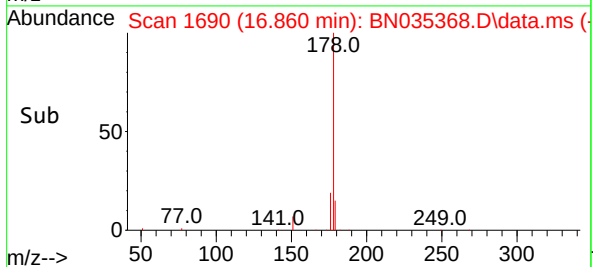
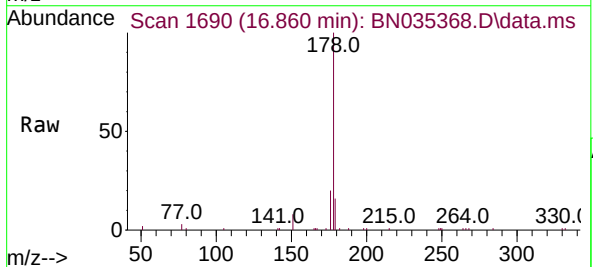
Manual Integrations
APPROVED

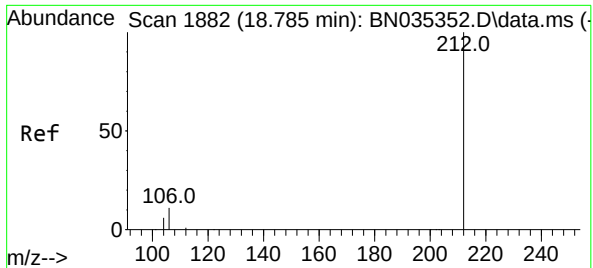
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#26
Anthracene
Concen: 0.380 ng
RT: 16.860 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

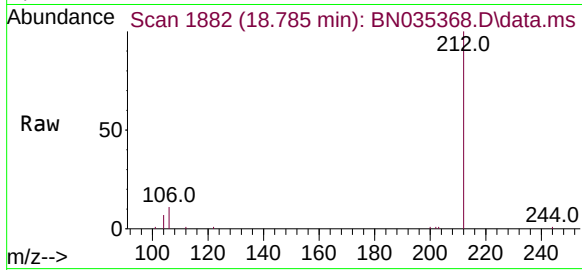
Tgt Ion:178 Resp: 9214
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 15.4 12.6 18.8





#27
Fluoranthene-d10
Concen: 0.376 ng
RT: 18.785 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

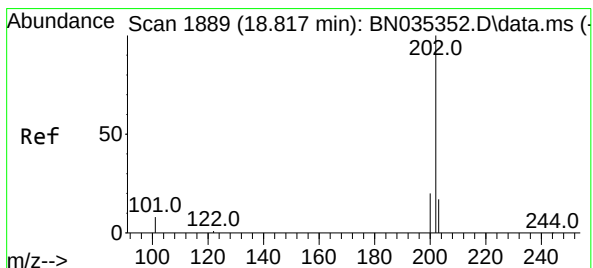
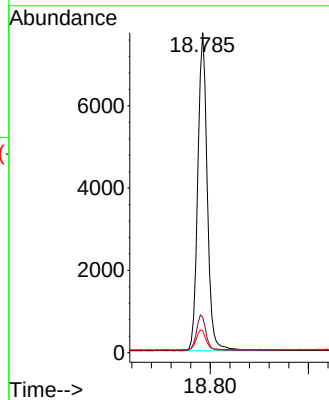
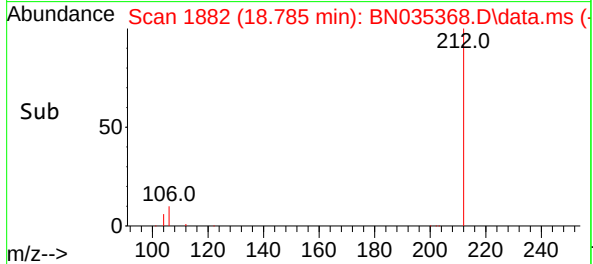
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:212 Resp: 10388
Ion Ratio Lower Upper
212 100
106 11.1 9.2 13.8
104 6.4 5.3 7.9

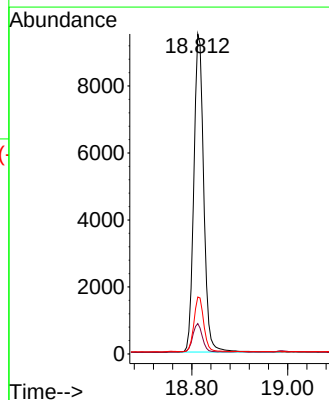
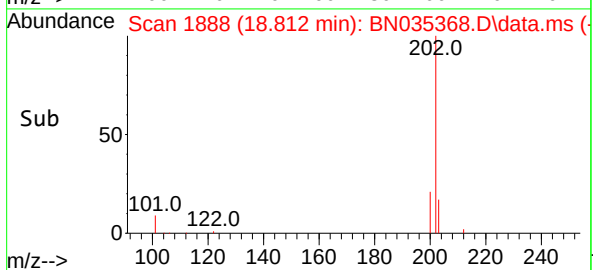
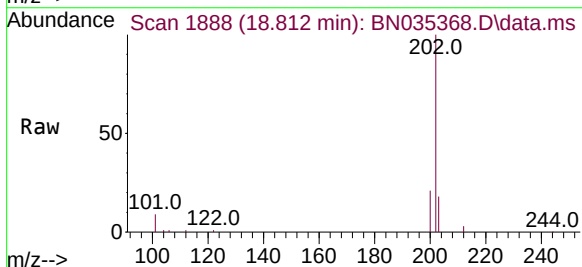
Manual Integrations
APPROVED

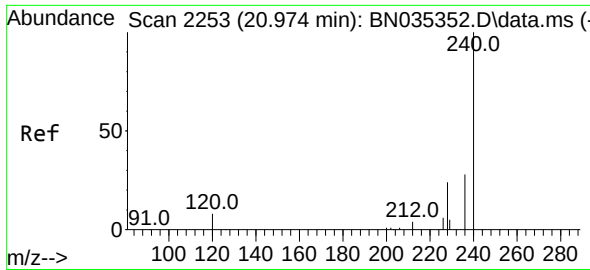
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#28
Fluoranthene
Concen: 0.375 ng
RT: 18.812 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion:202 Resp: 13563
Ion Ratio Lower Upper
202 100
101 9.1 7.4 11.0
203 17.1 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.974 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

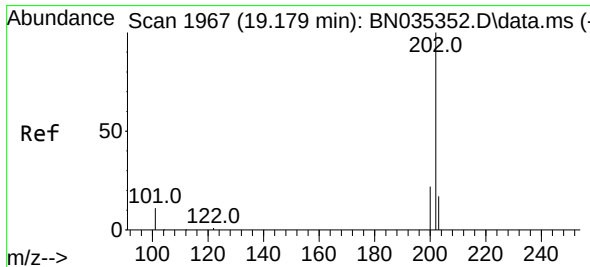
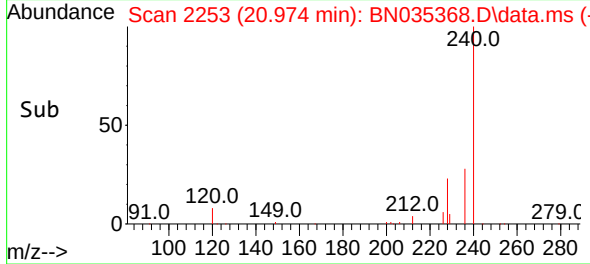
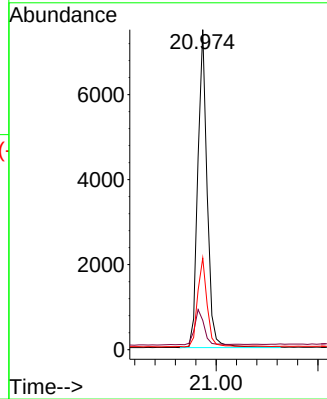
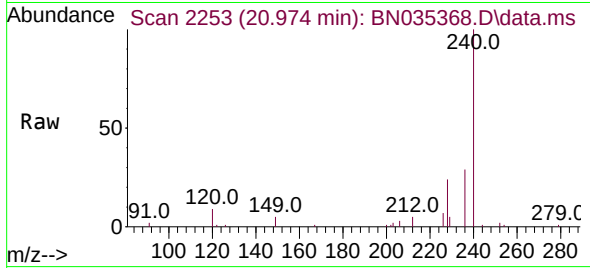
Tgt Ion:	240	Resp:	9490
Ion Ratio	Lower	Upper	
240	100		
120	9.1	7.9	11.9
236	28.7	22.9	34.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#30

Pyrene

Concen: 0.404 ng

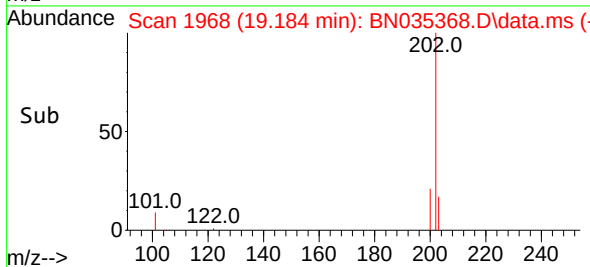
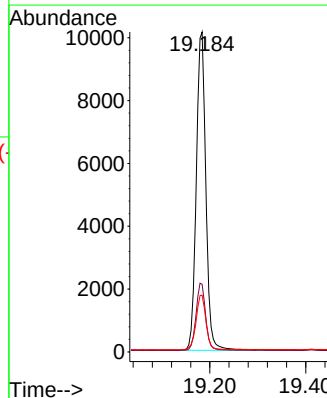
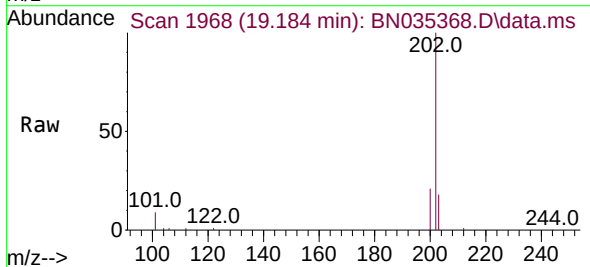
RT: 19.184 min Scan# 1968

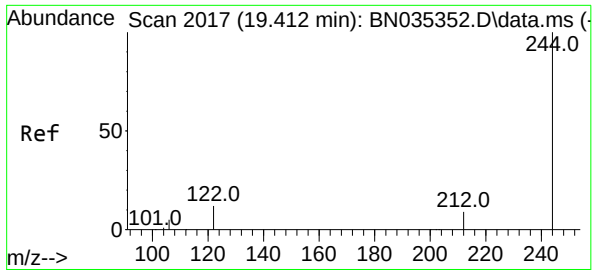
Delta R.T. 0.005 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

Tgt Ion:	202	Resp:	14155
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.0	25.4
203	17.7	14.3	21.5





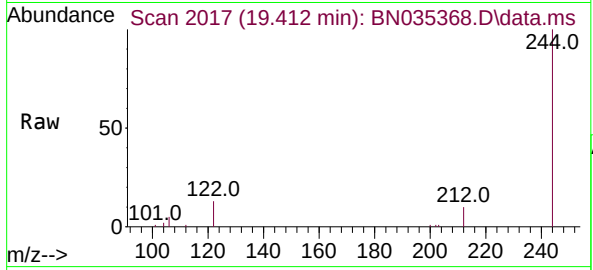
#31
Terphenyl-d14
Concen: 0.399 ng
RT: 19.412 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

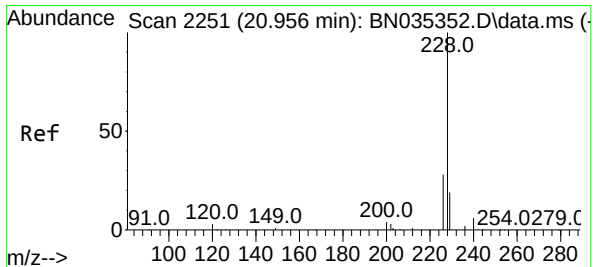
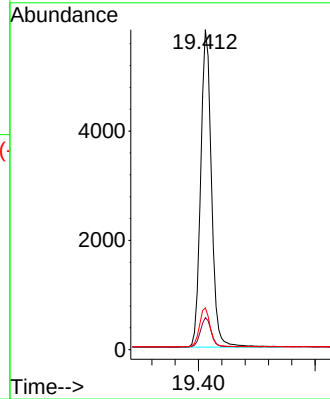
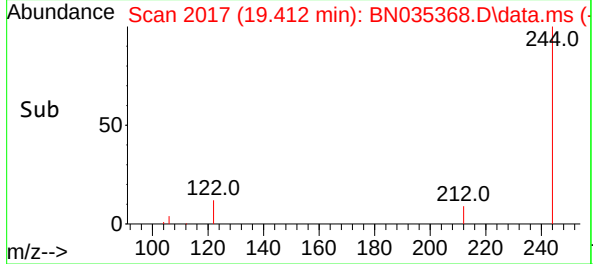


Tgt Ion:244 Resp: 748
Ion Ratio Lower Upper
244 100
212 10.0 8.1 12.1
122 13.0 10.3 15.5

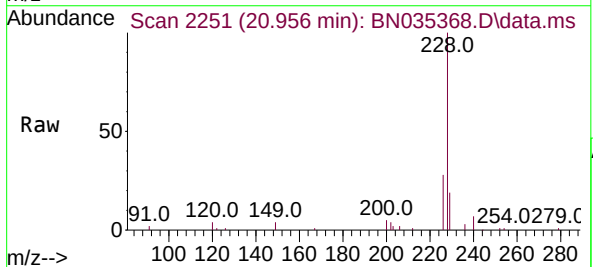
Manual Integrations

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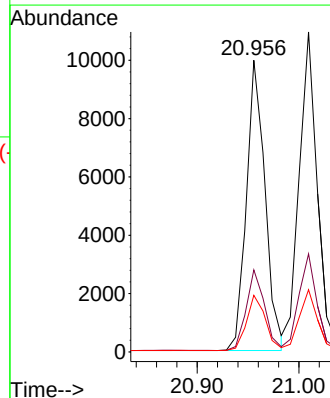
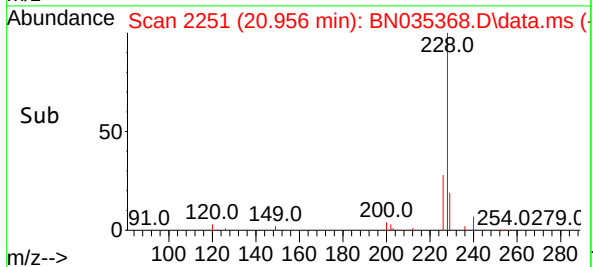
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024

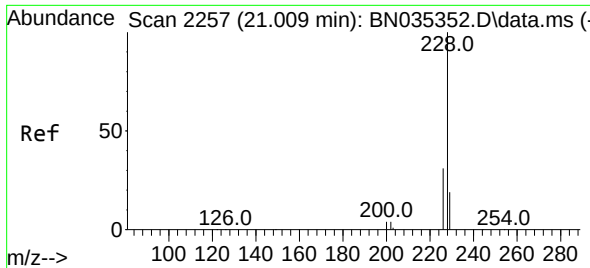


#32
Benzo(a)anthracene
Concen: 0.381 ng
RT: 20.956 min Scan# 2251
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51



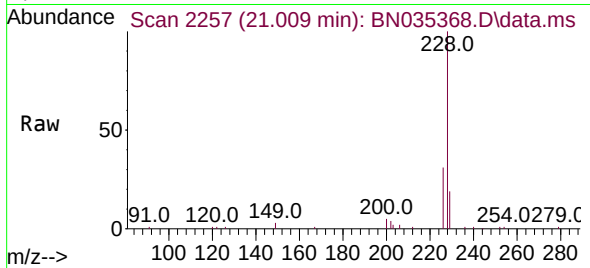
Tgt Ion:228 Resp: 12659
Ion Ratio Lower Upper
228 100
226 28.2 22.5 33.7
229 19.4 15.8 23.8





#33
Chrysene
Concen: 0.403 ng
RT: 21.009 min Scan# 2100
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

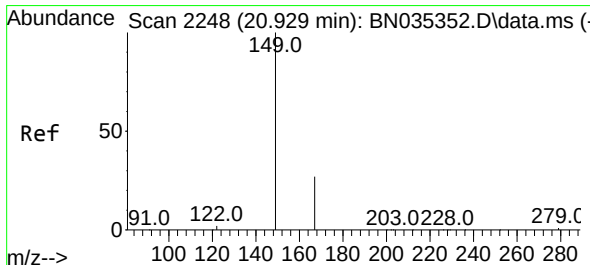
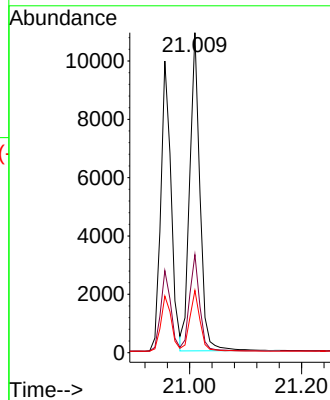
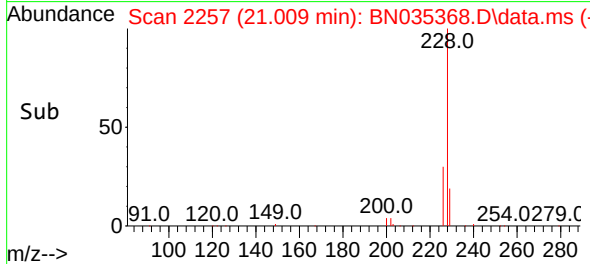
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:228 Resp: 1379
Ion Ratio Lower Upper
228 100
226 30.6 24.6 37.0
229 19.4 15.9 23.9

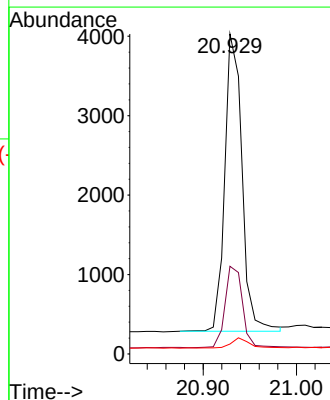
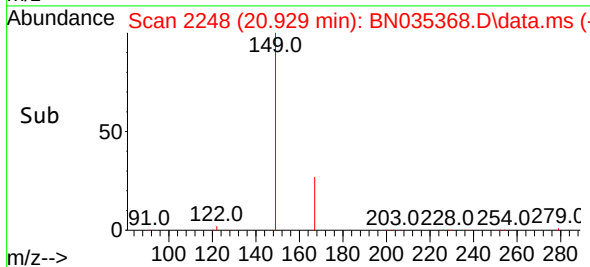
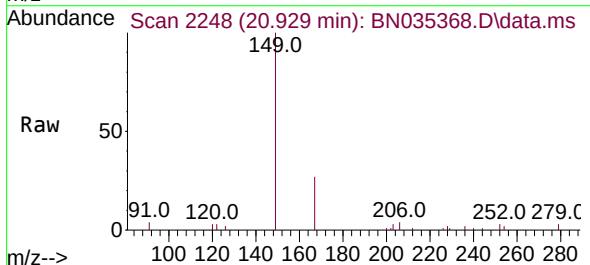
Manual Integrations
APPROVED

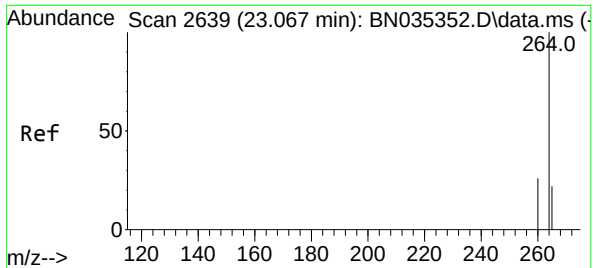
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.365 ng
RT: 20.929 min Scan# 2248
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion:149 Resp: 4791
Ion Ratio Lower Upper
149 100
167 27.8 22.2 33.4
279 3.9 2.7 4.1





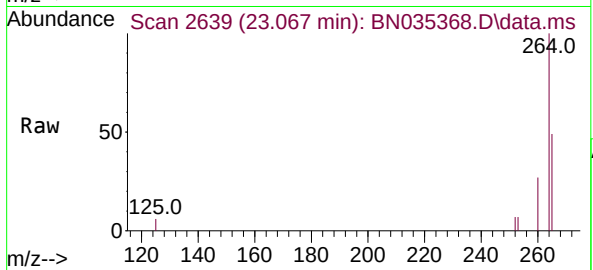
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2639
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



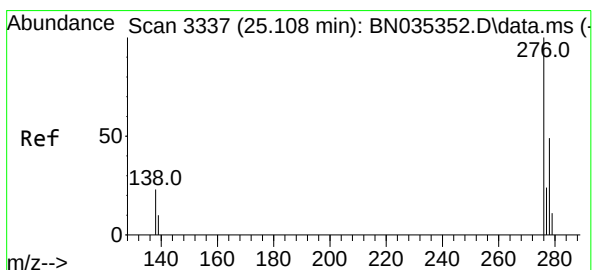
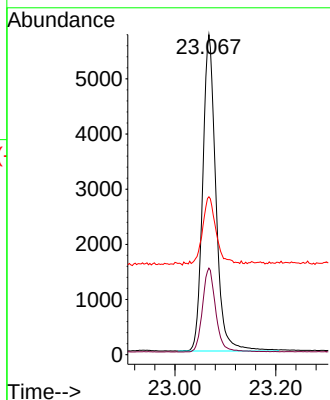
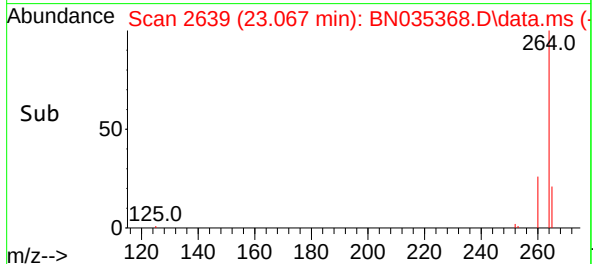
Tgt Ion:264 Resp: 10410
Ion Ratio Lower Upper
264 100
260 27.0 21.4 32.2
265 49.4 40.2 60.4

Manual Integrations

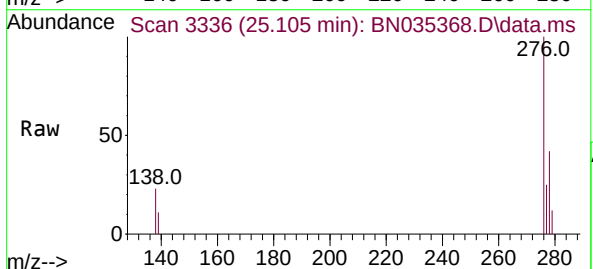
APPROVED

Reviewed By :Yogesh Patel 11/29/2024

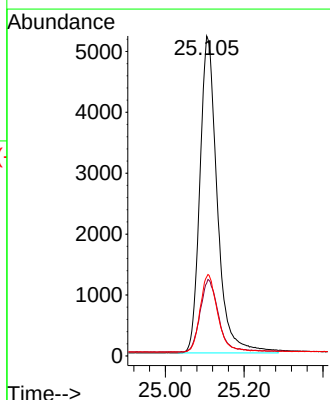
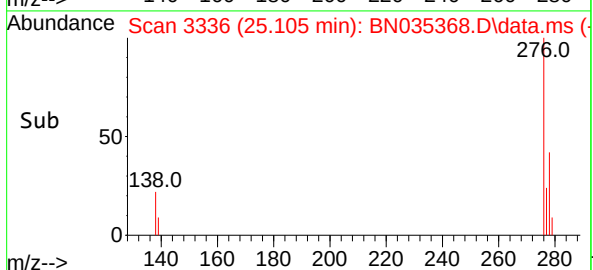
Supervised By :mohammad ahmed 11/29/2024

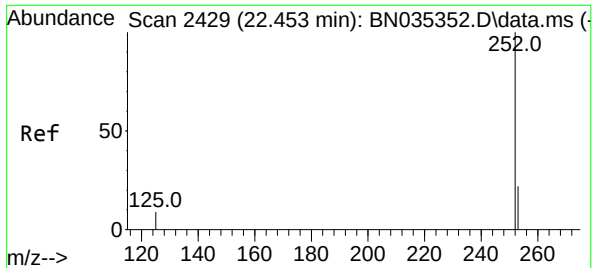


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.392 ng
RT: 25.105 min Scan# 3336
Delta R.T. -0.003 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51



Tgt Ion:276 Resp: 15947
Ion Ratio Lower Upper
276 100
138 23.2 19.4 29.0
277 24.5 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.431 ng

RT: 22.453 min Scan# 2429

Delta R.T. -0.000 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion:252 Resp: 1643

Ion Ratio Lower Upper

252 100

253 24.5 19.6 29.4

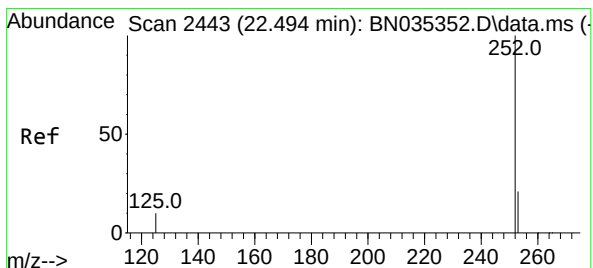
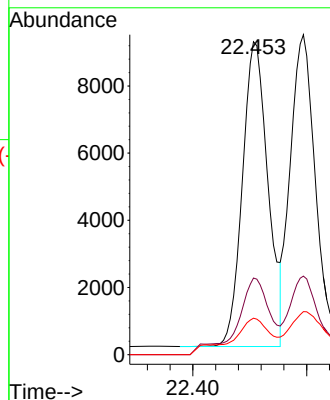
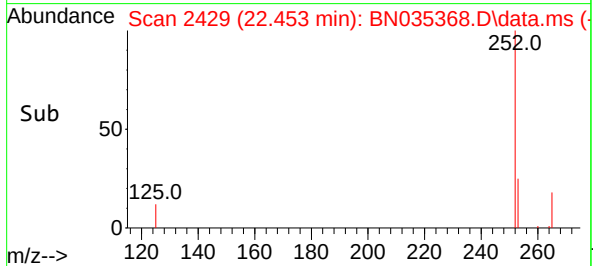
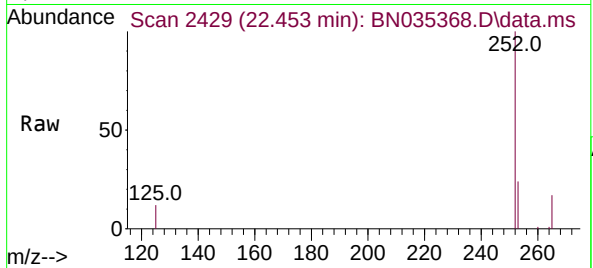
125 11.7 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#38

Benzo(k)fluoranthene

Concen: 0.391 ng

RT: 22.497 min Scan# 2444

Delta R.T. 0.003 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

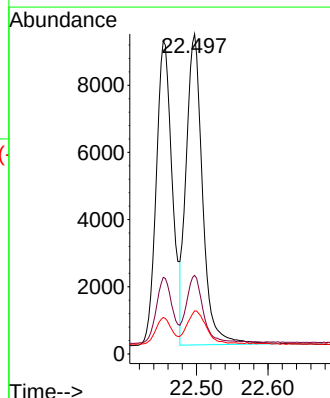
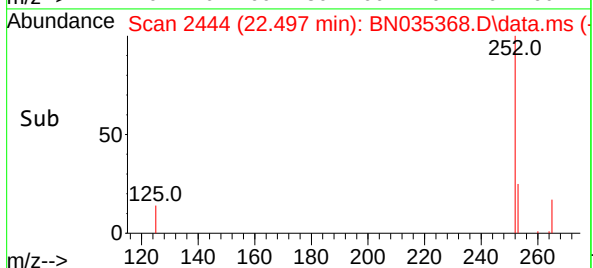
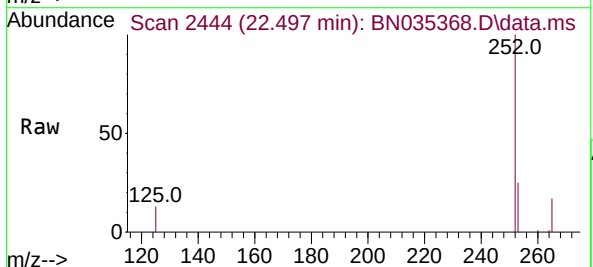
Tgt Ion:252 Resp: 14678

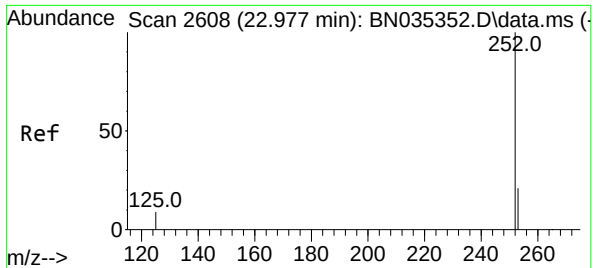
Ion Ratio Lower Upper

252 100

253 24.6 19.5 29.3

125 13.4 10.2 15.4





#39

Benzo(a)pyrene

Concen: 0.378 ng

RT: 22.980 min Scan# 2609

Delta R.T. 0.003 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

Instrument :

BNA_N

ClientSampleId :

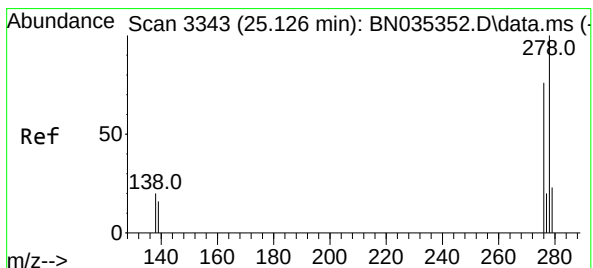
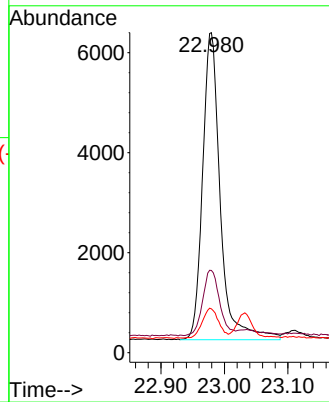
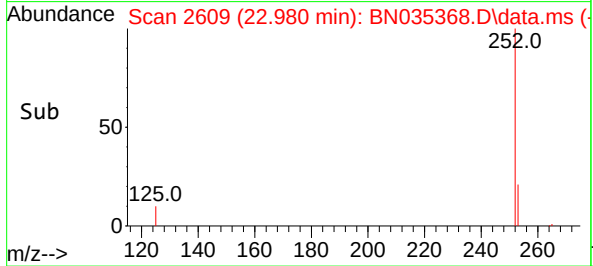
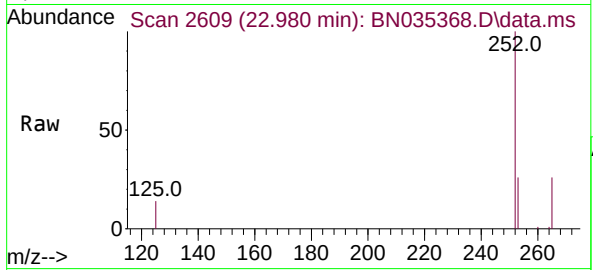
SSTDCCC0.4

Tgt Ion:	252	Resp:	1187
Ion Ratio	Lower	Upper	
252	100		
253	25.7	20.2	30.4
125	13.7	10.9	16.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.390 ng

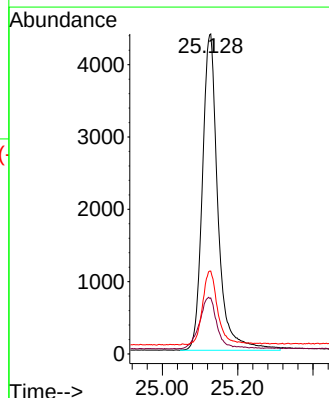
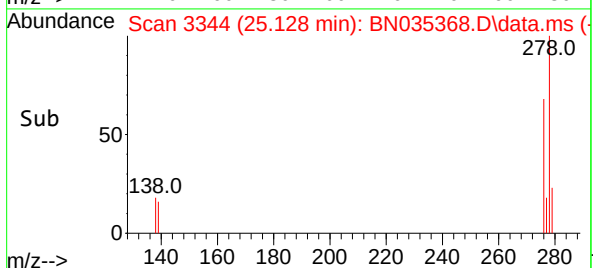
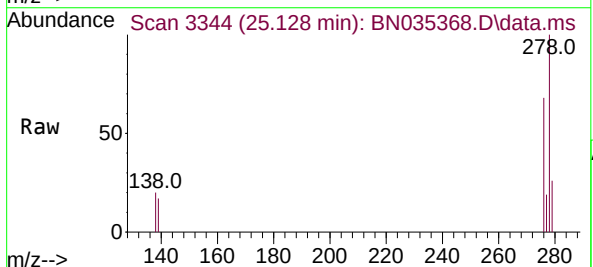
RT: 25.128 min Scan# 3344

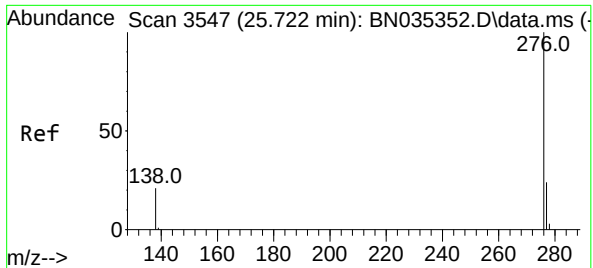
Delta R.T. 0.003 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

Tgt Ion:	278	Resp:	12541
Ion Ratio	Lower	Upper	
278	100		
139	17.5	14.2	21.4
279	25.9	20.5	30.7





#41

Benzo(g,h,i)perylene

Concen: 0.383 ng

RT: 25.722 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN035368.D

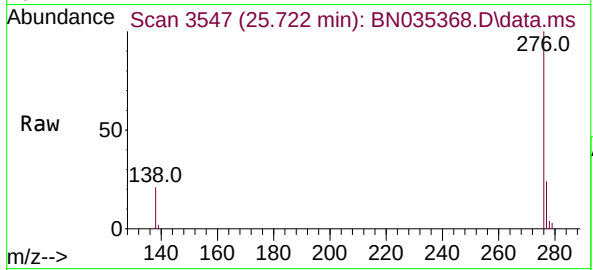
Acq: 28 Nov 2024 04:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



Tgt Ion:276 Resp: 1285

Ion Ratio Lower Upper

276 100

277 24.4 19.9 29.9

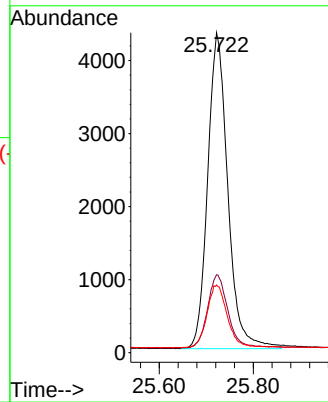
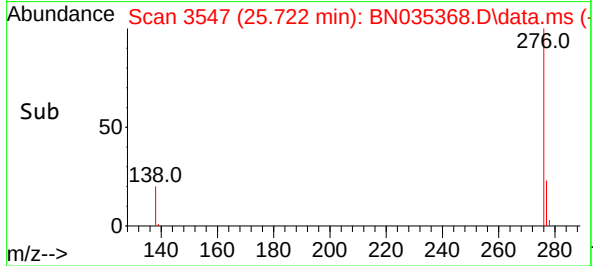
138 21.2 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035368.D
 Acq On : 28 Nov 2024 04:51
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 28 05:19:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	1,4-Dioxane	0.382	0.375	1.8	100	0.00
3	n-Nitrosodimethylamine	0.319	0.327	-2.5	100	0.00
4 S	2-Fluorophenol	1.001	1.030	-2.9	101	0.00
5 S	Phenol-d6	1.204	1.273	-5.7	107	0.00
6	bis(2-Chloroethyl)ether	1.012	0.987	2.5	100	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
8 S	Nitrobenzene-d5	0.244	0.241	1.2	105	0.00
9	Naphthalene	1.055	1.043	1.1	102	0.00
10	Hexachlorobutadiene	0.243	0.251	-3.3	104	0.00
11 SURR	2-Methylnaphthalene-d10	0.626	0.617	1.4	102	0.00
12	2-Methylnaphthalene	0.755	0.749	0.8	104	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
14 S	2,4,6-Tribromophenol	0.284	0.280	1.4	112	0.00
15 S	2-Fluorobiphenyl	1.512	1.520	-0.5	104	0.00
16	Acenaphthylene	1.680	1.630	3.0	105	0.00
17	Acenaphthene	1.115	1.093	2.0	104	0.00
18	Fluorene	1.596	1.566	1.9	104	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	103	-0.01
20	4,6-Dinitro-2-methylphenol	0.039	0.036	7.7	104	0.00
21	4-Bromophenyl-phenylether	0.234	0.227	3.0	103	0.00
22	Hexachlorobenzene	0.275	0.278	-1.1	105	0.00
23	Atrazine	0.167	0.151	9.6	101	0.00
24	Pentachlorophenol	0.120	0.114	5.0	122	0.00
25	Phenanthrene	1.099	1.067	2.9	103	0.00
26	Anthracene	0.994	0.944	5.0	103	0.00
27 SURR	Fluoranthene-d10	1.134	1.065	6.1	102	0.00
28	Fluoranthene	1.481	1.390	6.1	101	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	100	0.00
30	Pyrene	1.477	1.491	-0.9	101	0.00
31 S	Terphenyl-d14	0.789	0.788	0.1	99	0.00
32	Benzo(a)anthracene	1.399	1.333	4.7	98	0.00
33	Chrysene	1.443	1.453	-0.7	100	0.00
34	Bis(2-ethylhexyl)phthalate	0.553	0.505	8.7	98	0.00
35 I	Perylene-d12	1.000	1.000	0.0	96	0.00
36	Indeno(1,2,3-cd)pyrene	1.564	1.531	2.1	96	0.00
37	Benzo(b)fluoranthene	1.463	1.578	-7.9	115	0.00
38	Benzo(k)fluoranthene	1.440	1.409	2.2	97	0.00
39 C	Benzo(a)pyrene	1.205	1.140	5.4	96	0.00
40	Dibenzo(a,h)anthracene	1.234	1.204	2.4	97	0.00
41	Benzo(g,h,i)perylene	1.289	1.235	4.2	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035368.D
 Acq On : 28 Nov 2024 04:51
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 28 05:19:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	100	0.00
2	1,4-Dioxane	0.400	0.393	1.8	100	0.00
3	n-Nitrosodimethylamine	0.400	0.411	-2.7	100	0.00
4 S	2-Fluorophenol	0.400	0.412	-3.0	101	0.00
5 S	Phenol-d6	0.400	0.423	-5.7	107	0.00
6	bis(2-Chloroethyl)ether	0.400	0.390	2.5	100	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	103	0.00
8 S	Nitrobenzene-d5	0.400	0.395	1.3	105	0.00
9	Naphthalene	0.400	0.395	1.3	102	0.00
10	Hexachlorobutadiene	0.400	0.412	-3.0	104	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.394	1.5	102	0.00
12	2-Methylnaphthalene	0.400	0.397	0.8	104	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	103	0.00
14 S	2,4,6-Tribromophenol	0.400	0.394	1.5	112	0.00
15 S	2-Fluorobiphenyl	0.400	0.402	-0.5	104	0.00
16	Acenaphthylene	0.400	0.388	3.0	105	0.00
17	Acenaphthene	0.400	0.392	2.0	104	0.00
18	Fluorene	0.400	0.392	2.0	104	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	103	-0.01
20	4,6-Dinitro-2-methylphenol	0.400	0.364	9.0	104	0.00
21	4-Bromophenyl-phenylether	0.400	0.388	3.0	103	0.00
22	Hexachlorobenzene	0.400	0.405	-1.3	105	0.00
23	Atrazine	0.400	0.362	9.5	101	0.00
24	Pentachlorophenol	0.400	0.380	5.0	122	0.00
25	Phenanthrene	0.400	0.389	2.8	103	0.00
26	Anthracene	0.400	0.380	5.0	103	0.00
27 SURR	Fluoranthene-d10	0.400	0.376	6.0	102	0.00
28	Fluoranthene	0.400	0.375	6.3	101	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	100	0.00
30	Pyrene	0.400	0.404	-1.0	101	0.00
31 S	Terphenyl-d14	0.400	0.399	0.3	99	0.00
32	Benzo(a)anthracene	0.400	0.381	4.8	98	0.00
33	Chrysene	0.400	0.403	-0.8	100	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.365	8.8	98	0.00
35 I	Perylene-d12	0.400	0.400	0.0	96	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.392	2.0	96	0.00
37	Benzo(b)fluoranthene	0.400	0.431	-7.7	115	0.00
38	Benzo(k)fluoranthene	0.400	0.391	2.3	97	0.00
39 C	Benzo(a)pyrene	0.400	0.378	5.5	96	0.00
40	Dibenzo(a,h)anthracene	0.400	0.390	2.5	97	0.00
41	Benzo(g,h,i)perylene	0.400	0.383	4.3	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG No.: P4959

Instrument ID: BNA_N Calibration Date/Time: 11/28/2024 09:02

Lab File ID: BN035375.D Init. Calib. Date(s): 11/27/2024 11/27/2024

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 15:34 19:09

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.626	0.614		-1.9	50.0
Fluoranthene-d10	1.134	1.056		-6.9	50.0
2-Fluorophenol	1.001	1.006		0.5	50.0
Phenol-d6	1.204	1.212		0.7	50.0
Nitrobenzene-d5	0.244	0.244		0.0	50.0
2-Fluorobiphenyl	1.512	1.517		0.3	50.0
2,4,6-Tribromophenol	0.284	0.266		-6.3	50.0
Terphenyl-d14	0.789	0.787		-0.3	50.0
1,4-Dioxane	0.382	0.378		-1.0	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035375.D
 Acq On : 28 Nov 2024 09:02
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/29/2024
 Supervised By :mohammad ahmed 11/29/2024

Quant Time: Nov 29 00:19:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	1994	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5101	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	3798	0.400	ng	0.00
19) Phenanthrene-d10	16.723	188	9566	0.400	ng	#-0.01
29) Chrysene-d12	20.974	240	9222	0.400	ng	0.00
35) Perylene-d12	23.067	264	10081	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.960	112	2006	0.402	ng	0.00
5) Phenol-d6	6.513	99	2417	0.403	ng	0.00
8) Nitrobenzene-d5	8.440	82	1245m	0.400	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	3130	0.392	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	1011	0.375	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	5760	0.401	ng	0.00
27) Fluoranthene-d10	18.785	212	10104	0.373	ng	0.00
31) Terphenyl-d14	19.412	244	7255	0.399	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.003	88	754	0.396	ng	98
3) n-Nitrosodimethylamine	3.292	42	628	0.396	ng	# 98
6) bis(2-Chloroethyl)ether	6.759	93	1960	0.389	ng	100
9) Naphthalene	10.105	128	5328	0.396	ng	99
10) Hexachlorobutadiene	10.404	225	1326	0.427	ng	# 98
12) 2-Methylnaphthalene	11.732	142	3793	0.394	ng	97
16) Acenaphthylene	13.679	152	6028	0.378	ng	99
17) Acenaphthene	14.031	154	4106	0.388	ng	99
18) Fluorene	15.026	166	5935	0.392	ng	100
20) 4,6-Dinitro-2-methylph...	15.133	198	357	0.380	ng	91
21) 4-Bromophenyl-phenylether	15.941	248	2206	0.394	ng	100
22) Hexachlorobenzene	16.040	284	2655	0.404	ng	99
23) Atrazine	16.227	200	1384	0.347	ng	98
24) Pentachlorophenol	16.400	266	973	0.340	ng	# 84
25) Phenanthrene	16.773	178	10204	0.388	ng	100
26) Anthracene	16.860	178	8929	0.376	ng	100
28) Fluoranthene	18.812	202	13216	0.373	ng	99
30) Pyrene	19.179	202	13731	0.403	ng	100
32) Benzo(a)anthracene	20.956	228	11985	0.372	ng	99
33) Chrysene	21.009	228	13365	0.402	ng	99
34) Bis(2-ethylhexyl)phtha...	20.929	149	4380	0.344	ng	100
36) Indeno(1,2,3-cd)pyrene	25.105	276	15538	0.394	ng	99
37) Benzo(b)fluoranthene	22.453	252	13327	0.361	ng	99
38) Benzo(k)fluoranthene	22.494	252	14406	0.397	ng	99
39) Benzo(a)pyrene	22.977	252	10891	0.359	ng	99
40) Dibenzo(a,h)anthracene	25.123	278	12092	0.389	ng	99
41) Benzo(g,h,i)perylene	25.722	276	12501	0.385	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

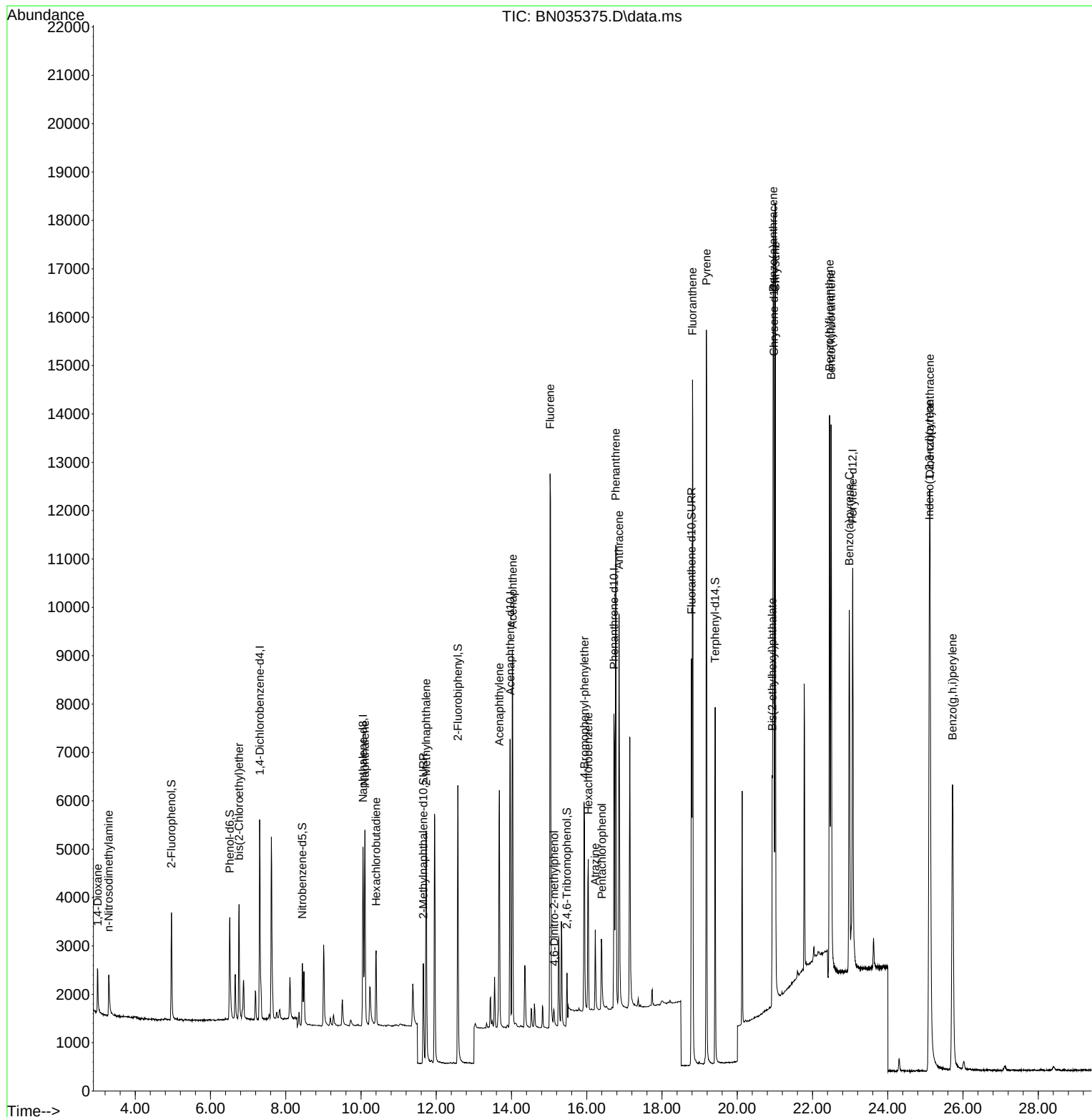
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035375.D
 Acq On : 28 Nov 2024 09:02
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

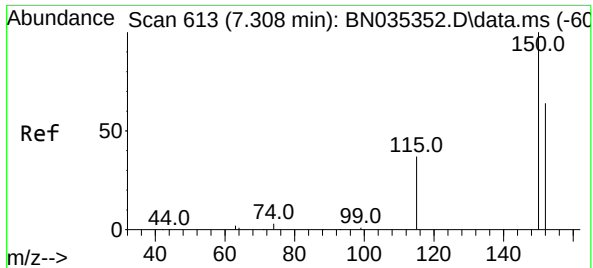
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2024
 Supervised By :mohammad ahmed 11/29/2024

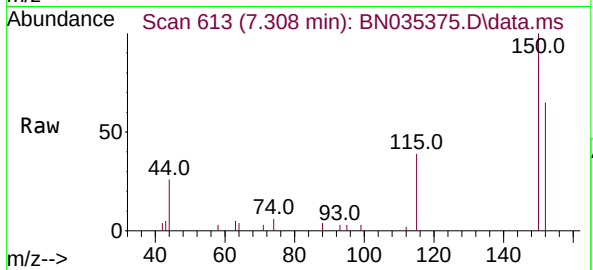
Quant Time: Nov 29 00:19:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

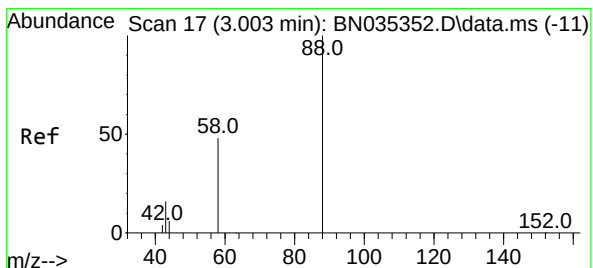
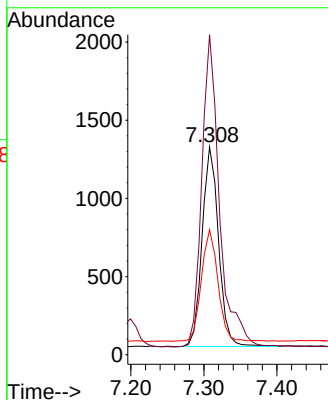
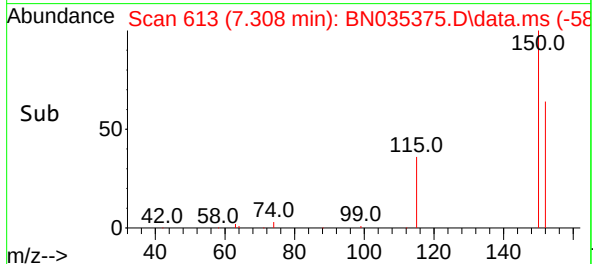
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion: 152 Resp: 1994
Ion Ratio Lower Upper
152 100
150 153.9 124.0 186.0
115 60.2 49.6 74.4

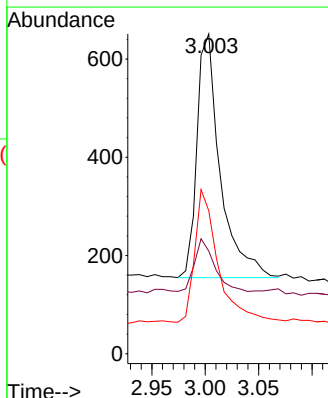
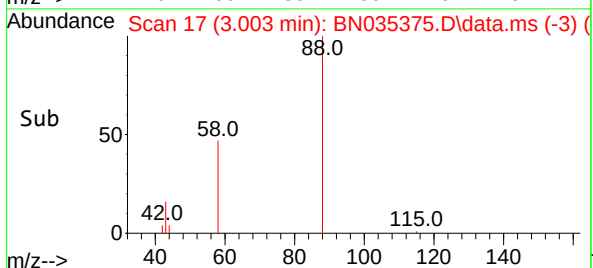
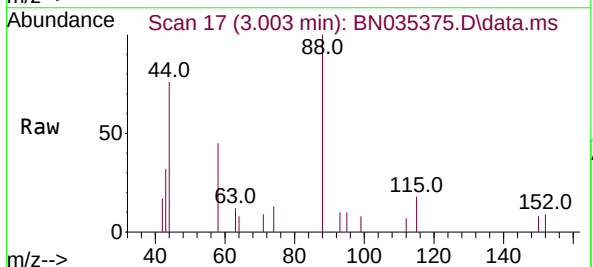
Manual Integrations
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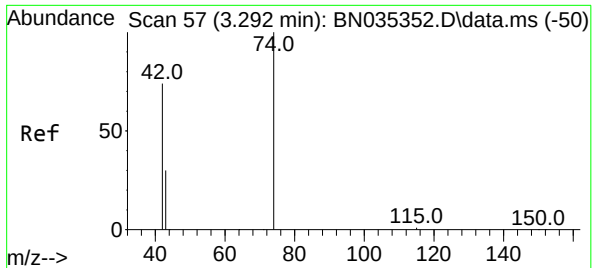
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#2
1,4-Dioxane
Concen: 0.396 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

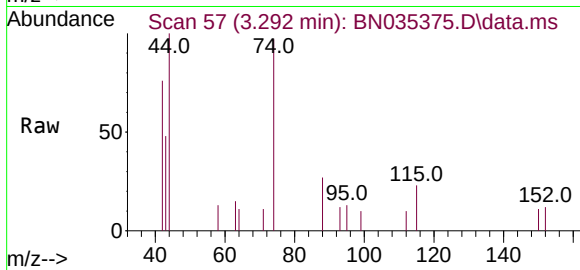
Tgt Ion: 88 Resp: 754
Ion Ratio Lower Upper
88 100
43 20.6 17.2 25.8
58 53.8 44.5 66.7





#3
n-Nitrosodimethylamine
Concen: 0.396 ng
RT: 3.292 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

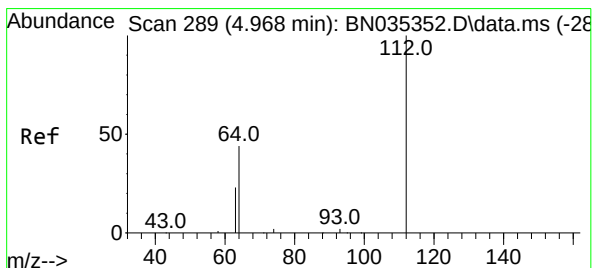
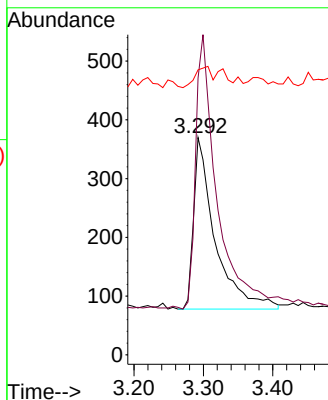
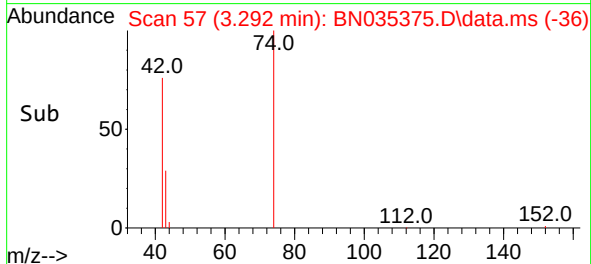
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion: 42 Resp: 628
Ion Ratio Lower Upper
42 100
74 158.8 124.9 187.3
44 8.9 2.2 3.4

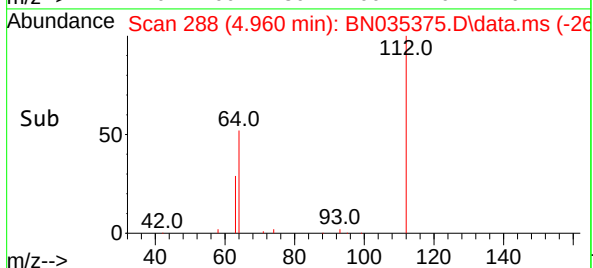
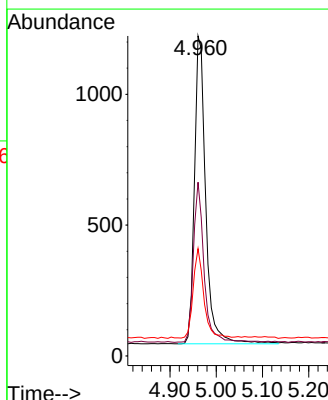
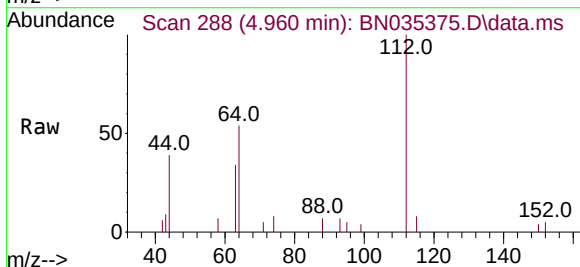
Manual Integrations
APPROVED

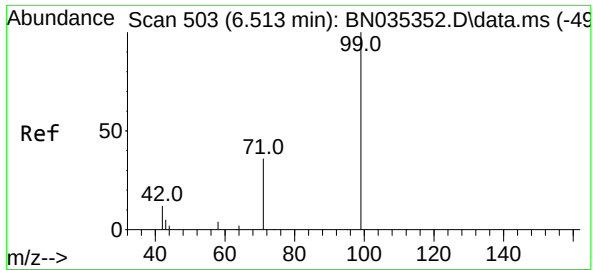
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#4
2-Fluorophenol
Concen: 0.402 ng
RT: 4.960 min Scan# 288
Delta R.T. -0.007 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:112 Resp: 2006
Ion Ratio Lower Upper
112 100
64 48.5 39.8 59.8
63 27.4 21.0 31.6





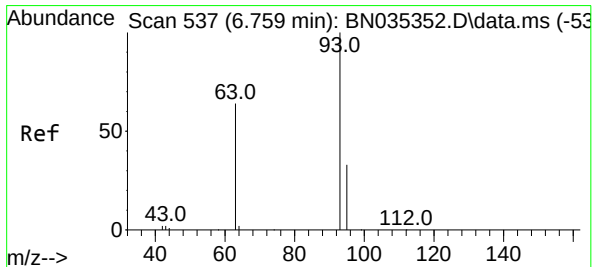
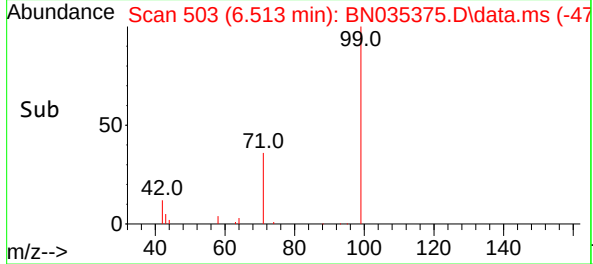
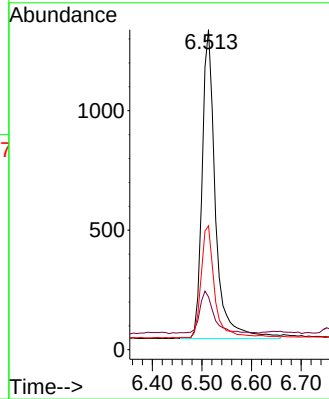
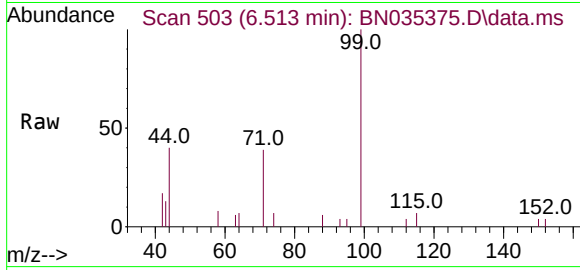
#5
Phenol-d6
Concen: 0.403 ng
RT: 6.513 min Scan# 503
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 241
Ion Ratio Lower Upper
99 100
42 15.5 11.4 17.2
71 36.5 29.3 43.9

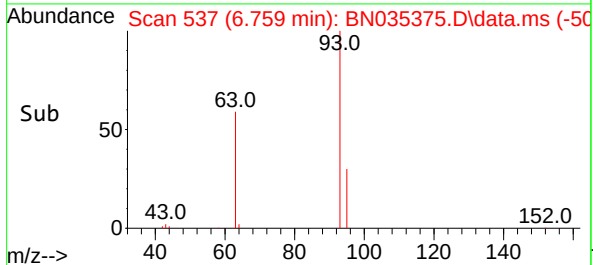
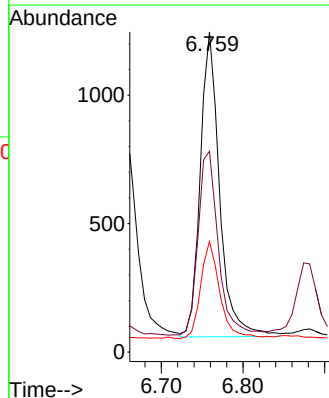
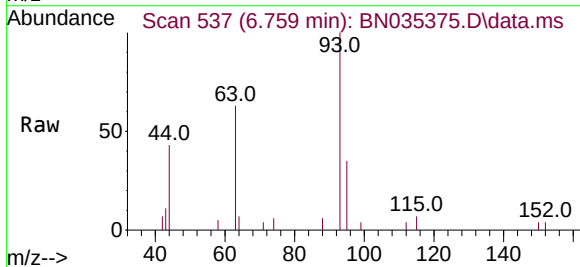
Manual Integrations
APPROVED

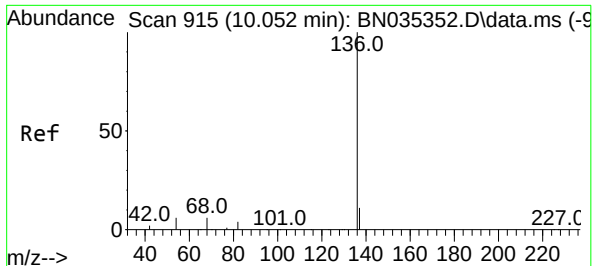
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#6
bis(2-Chloroethyl)ether
Concen: 0.389 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

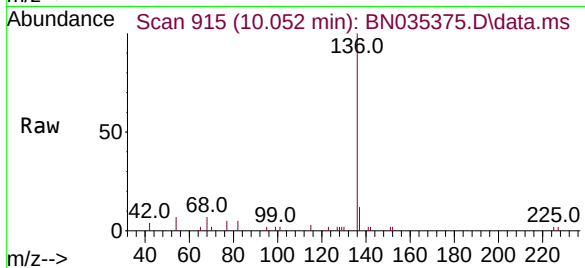
Tgt Ion: 93 Resp: 1960
Ion Ratio Lower Upper
93 100
63 62.9 50.4 75.6
95 31.6 25.7 38.5





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

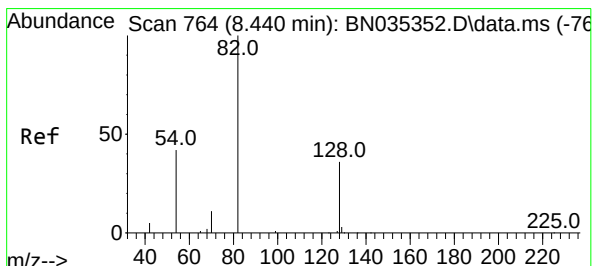
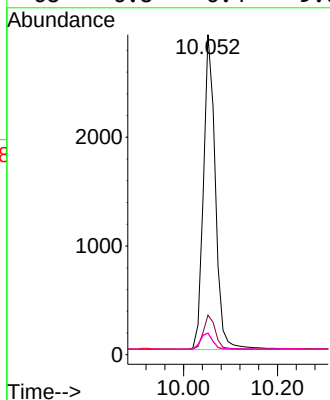
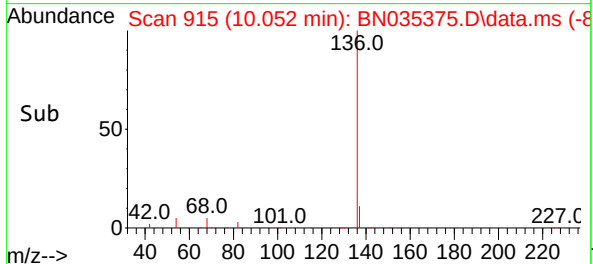
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion: 136 Resp: 510
Ion Ratio Lower Upper
136 100
137 12.4 10.2 15.2
54 6.7 6.1 9.1
68 6.8 6.4 9.6

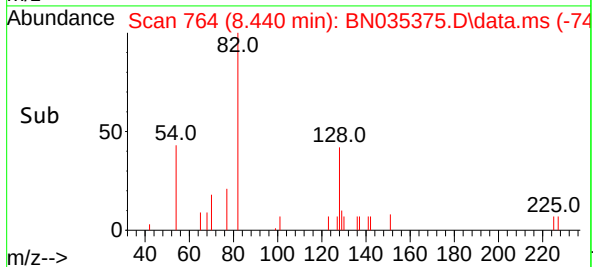
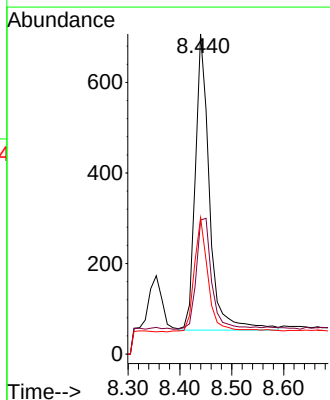
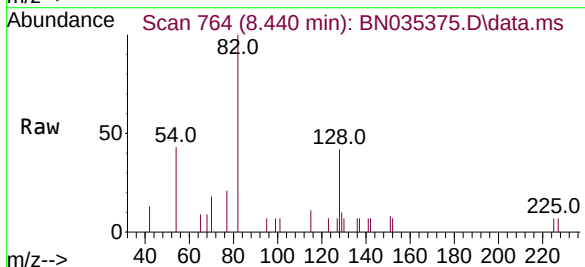
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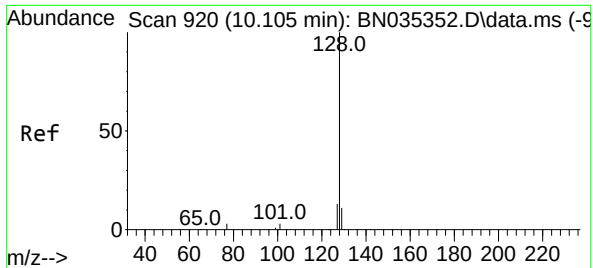
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#8
Nitrobenzene-d5
Concen: 0.400 ng m
RT: 8.440 min Scan# 764
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion: 82 Resp: 1245
Ion Ratio Lower Upper
82 100
128 41.9 33.4 50.0
54 42.6 36.7 55.1





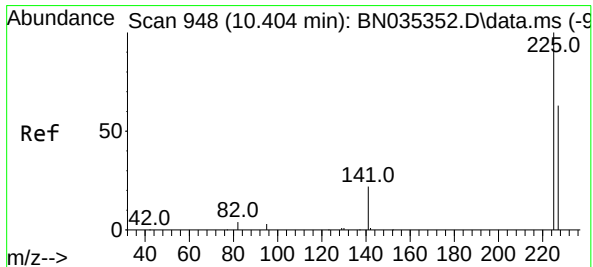
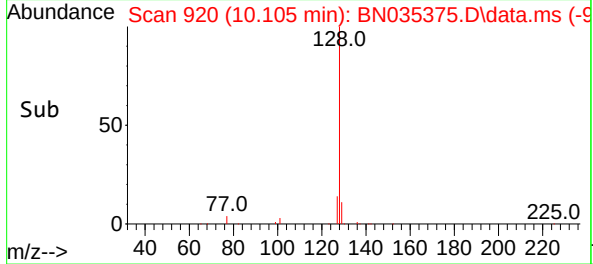
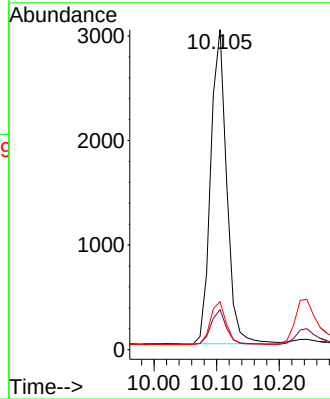
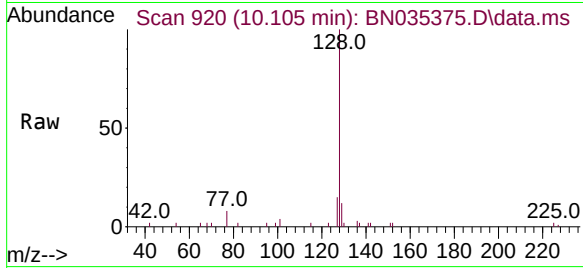
#9
Naphthalene
Concen: 0.396 ng
RT: 10.105 min Scan# 912
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 5328
Ion Ratio Lower Upper
128 100
129 12.5 9.8 14.6
127 15.0 11.4 17.2

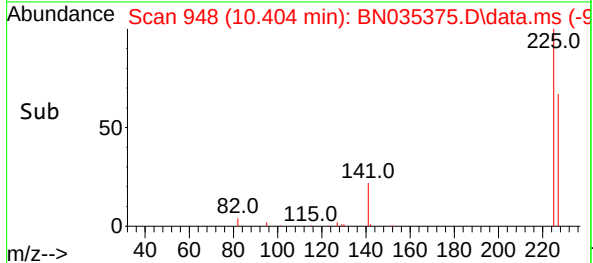
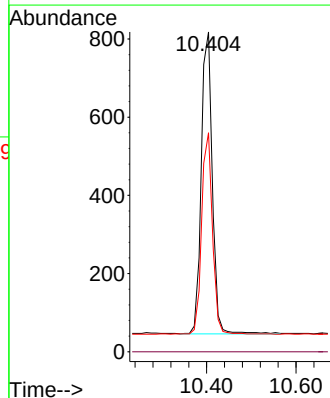
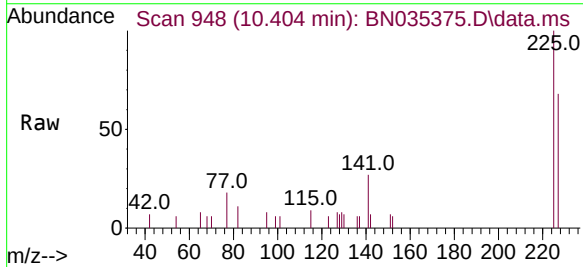
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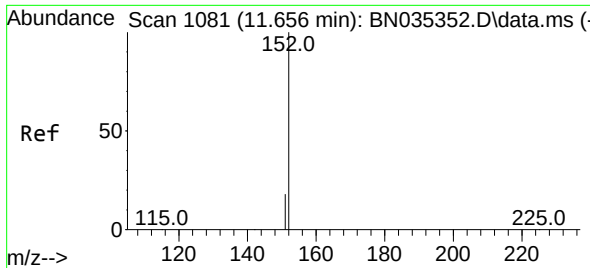
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#10
Hexachlorobutadiene
Concen: 0.427 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

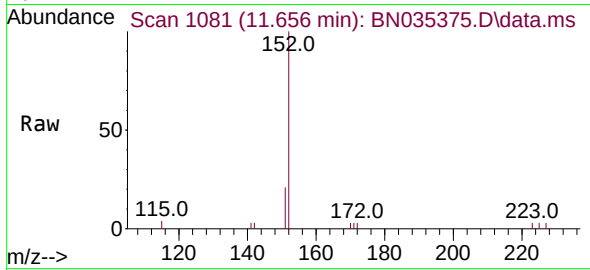
Tgt Ion:225 Resp: 1326
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 65.4 51.3 76.9





#11
2-Methylnaphthalene-d10
Concen: 0.392 ng
RT: 11.656 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

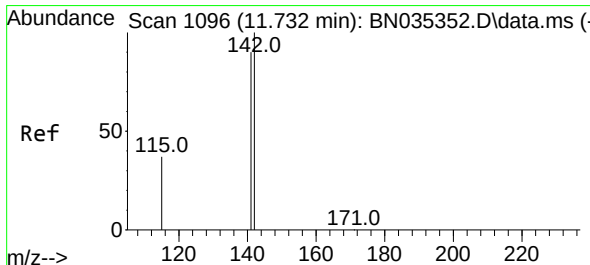
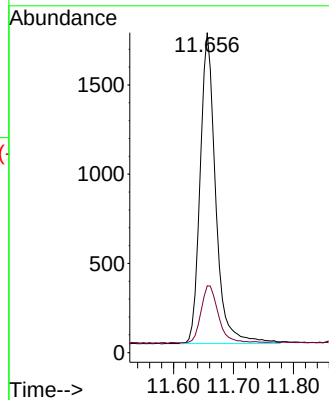
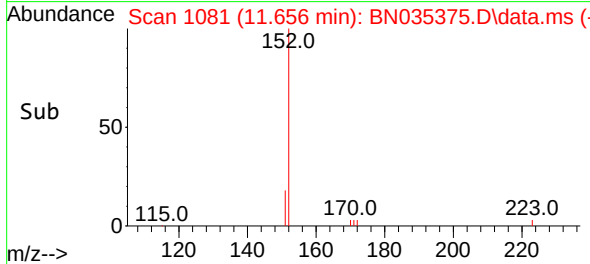
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:152 Resp: 3130
Ion Ratio Lower Upper
152 100
151 20.4 16.6 25.0

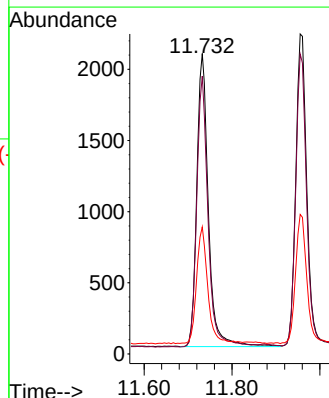
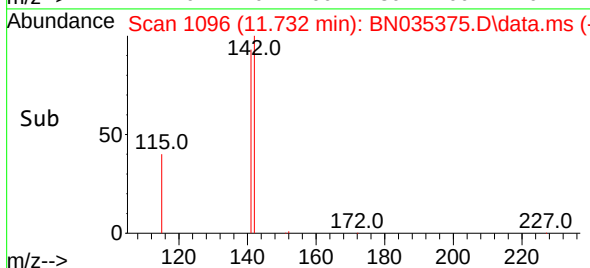
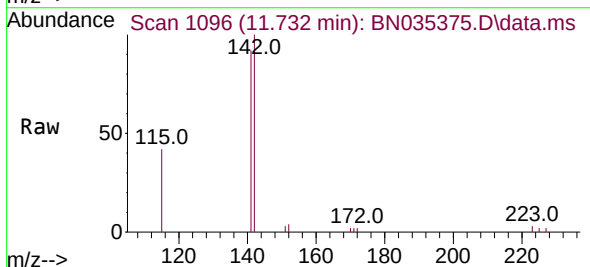
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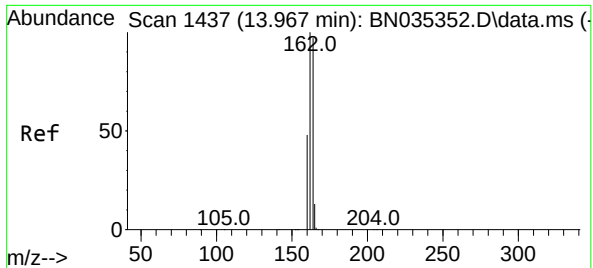
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#12
2-Methylnaphthalene
Concen: 0.394 ng
RT: 11.732 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

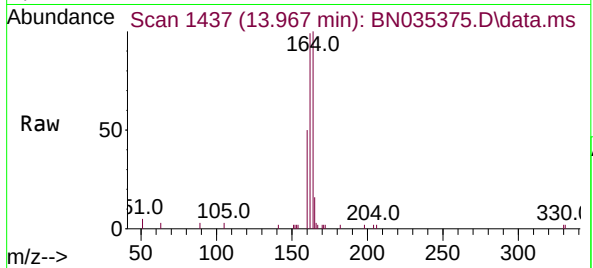
Tgt Ion:142 Resp: 3793
Ion Ratio Lower Upper
142 100
141 92.5 72.2 108.4
115 42.3 31.4 47.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

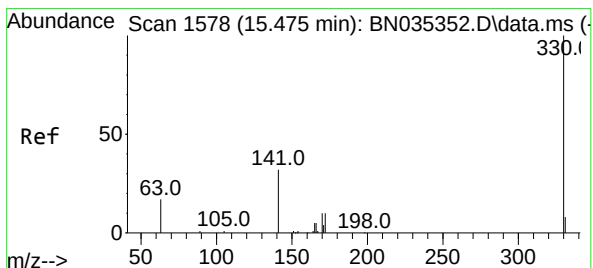
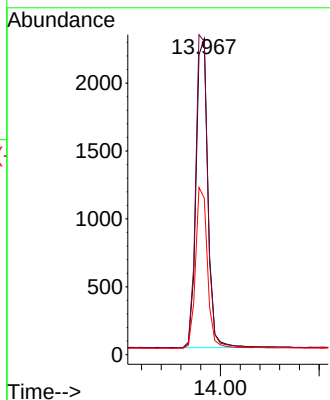
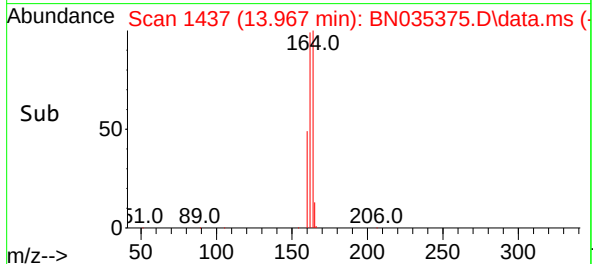
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:164 Resp: 3798
Ion Ratio Lower Upper
164 100
162 99.2 82.2 123.2
160 49.5 40.1 60.1

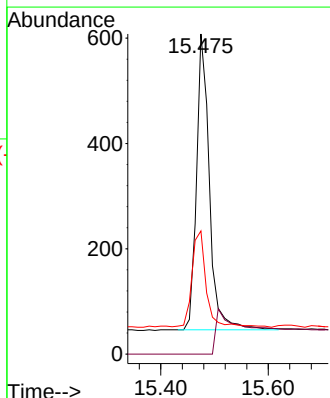
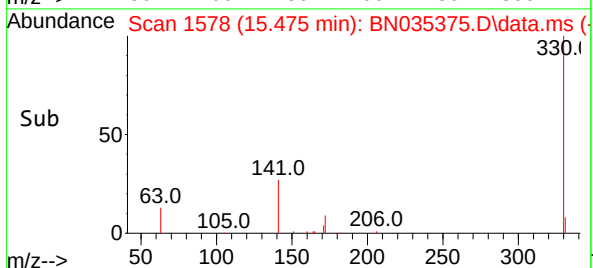
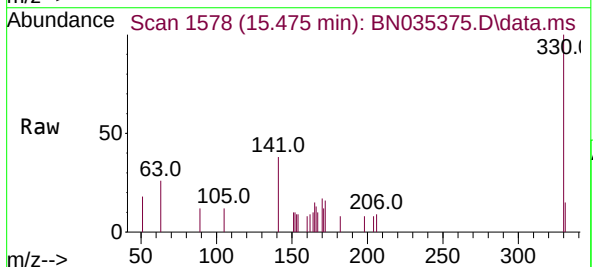
Manual Integrations
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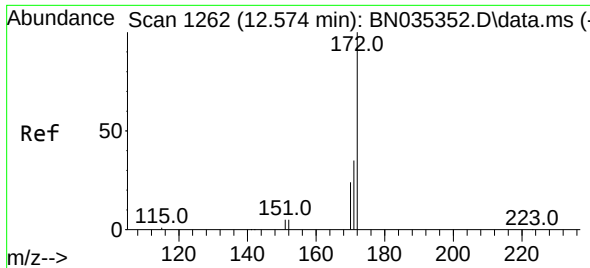
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#14
2,4,6-Tribromophenol
Concen: 0.375 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

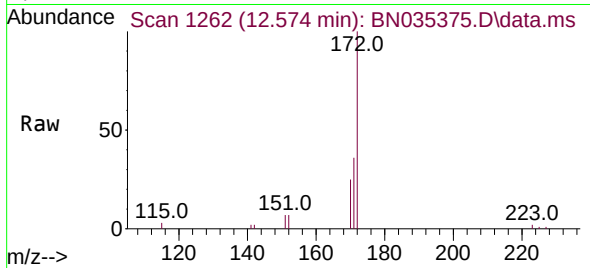
Tgt Ion:330 Resp: 1011
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 35.5 26.6 40.0





#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 12.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

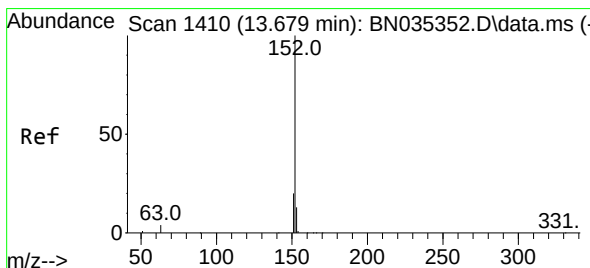
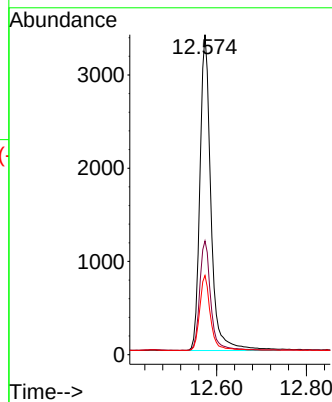
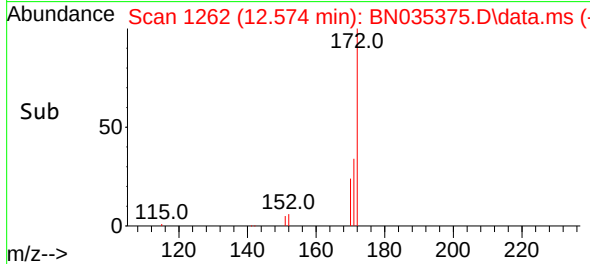
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:172 Resp: 5760
Ion Ratio Lower Upper
172 100
171 35.5 29.0 43.4
170 24.7 19.8 29.8

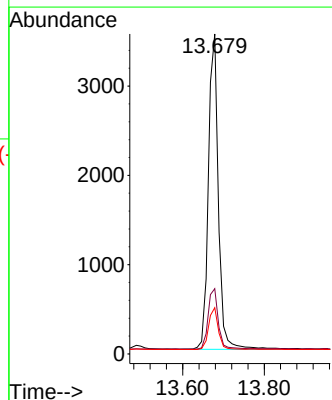
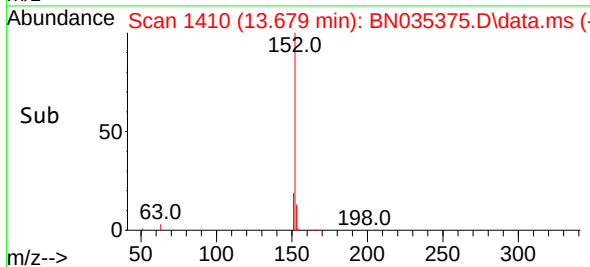
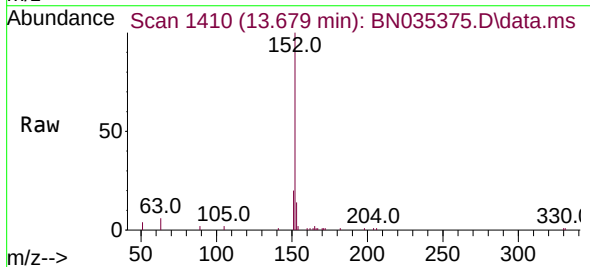
Manual Integrations
APPROVED

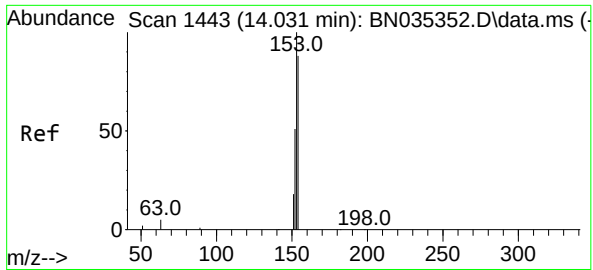
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#16
Acenaphthylene
Concen: 0.378 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

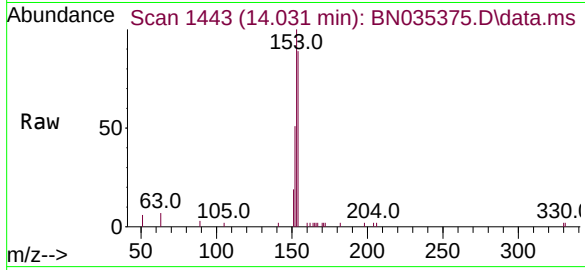
Tgt Ion:152 Resp: 6028
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.2
153 12.9 10.4 15.6





#17
Acenaphthene
Concen: 0.388 ng
RT: 14.031 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

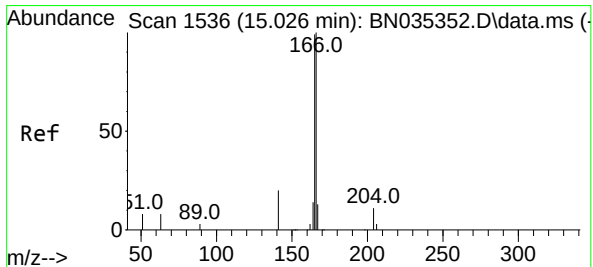
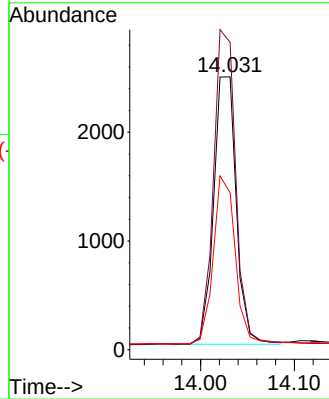
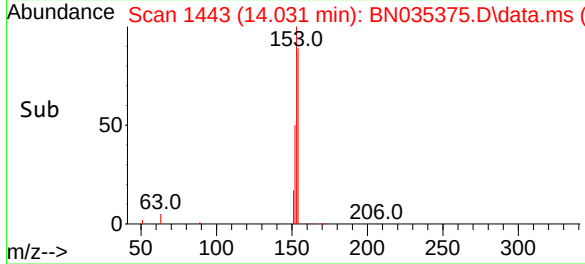
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:154 Resp: 4100
Ion Ratio Lower Upper
154 100
153 117.0 92.6 139.0
152 61.6 49.0 73.6

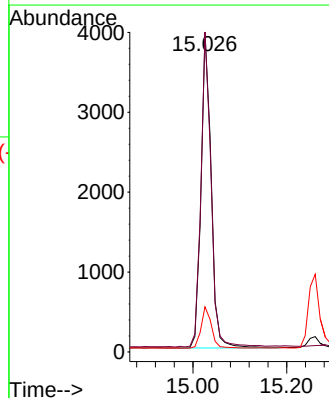
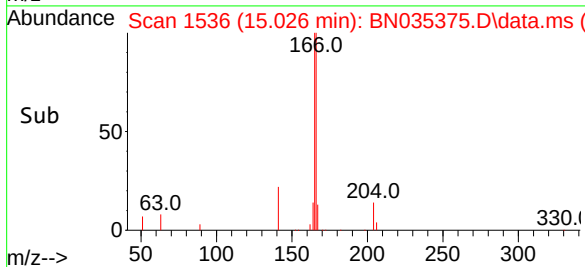
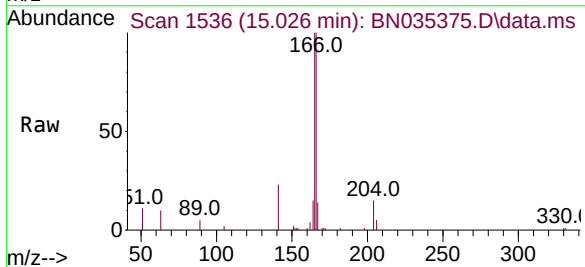
Manual Integrations
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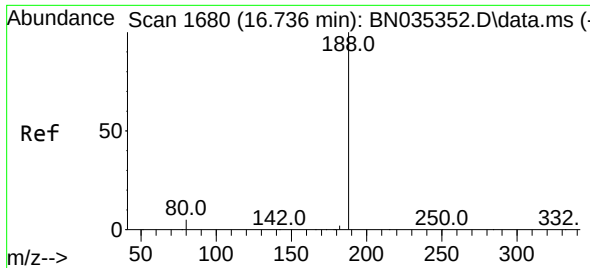
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#18
Fluorene
Concen: 0.392 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:166 Resp: 5935
Ion Ratio Lower Upper
166 100
165 99.5 79.7 119.5
167 13.3 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.723 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:188 Resp: 956

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

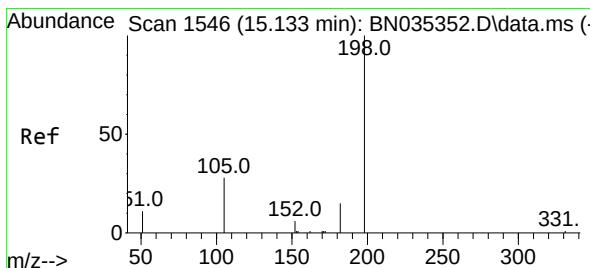
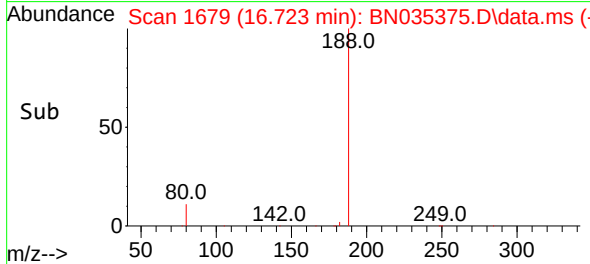
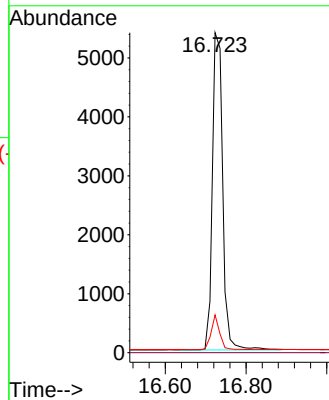
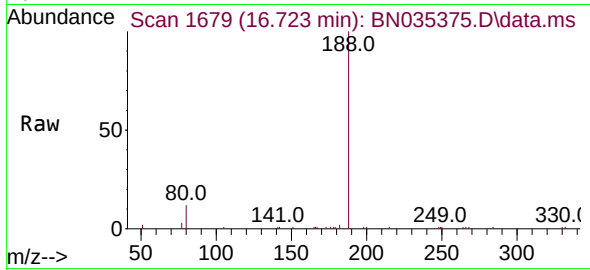
80 11.8 4.6 6.8

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#20

4,6-Dinitro-2-methylphenol

Concen: 0.380 ng

RT: 15.133 min Scan# 1546

Delta R.T. -0.000 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

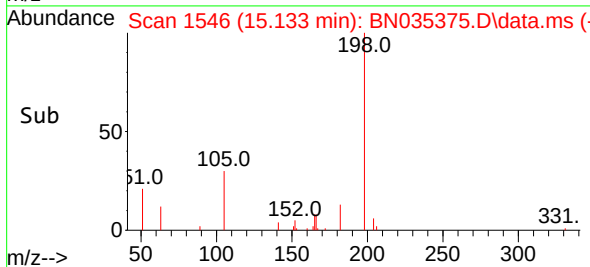
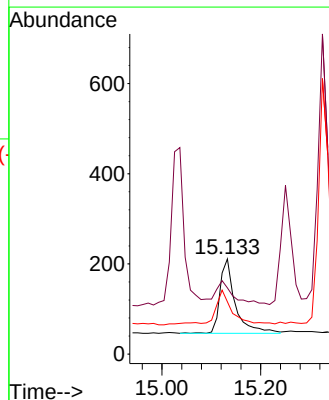
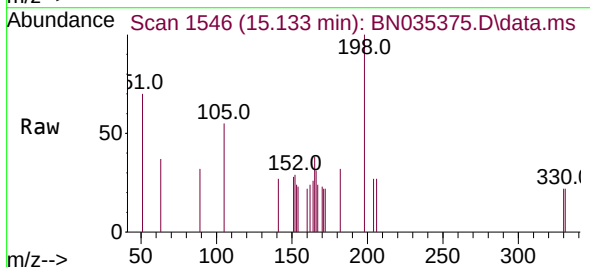
Tgt Ion:198 Resp: 357

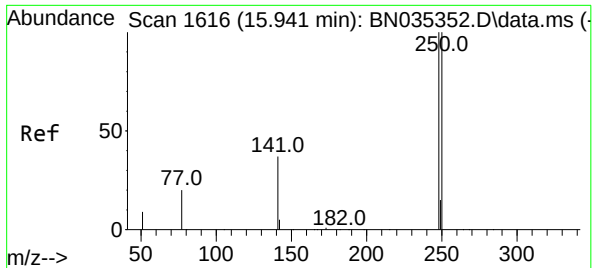
Ion Ratio Lower Upper

198 100

51 69.7 46.5 69.7

105 55.0 45.3 67.9





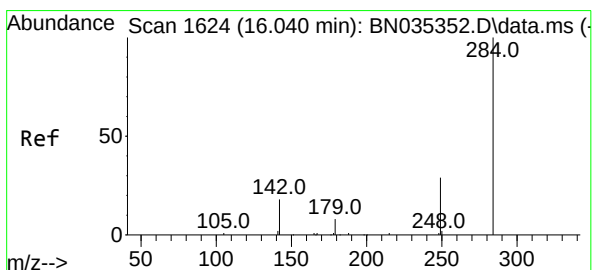
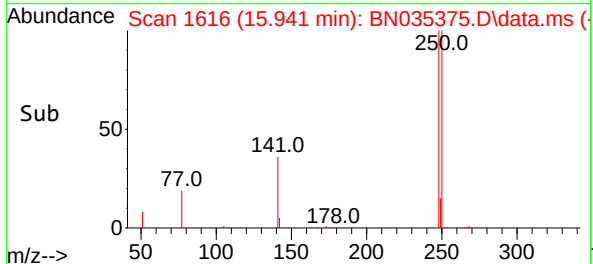
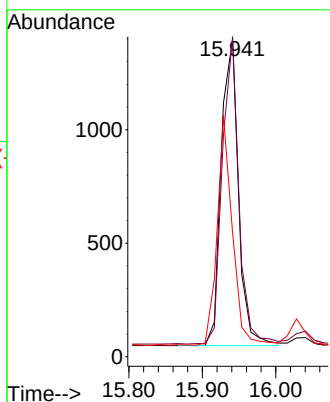
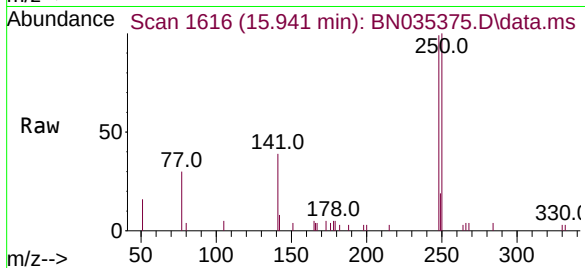
#21
4-Bromophenyl-phenylether
Concen: 0.394 ng
RT: 15.941 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 2200
Ion Ratio Lower Upper
248 100
250 100.7 80.6 120.8
141 38.9 31.5 47.3

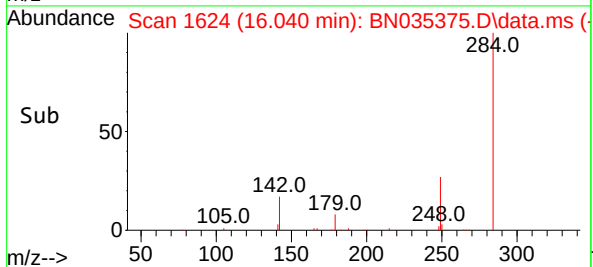
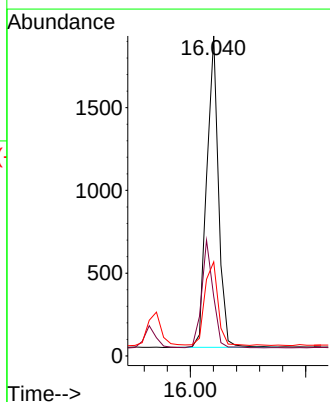
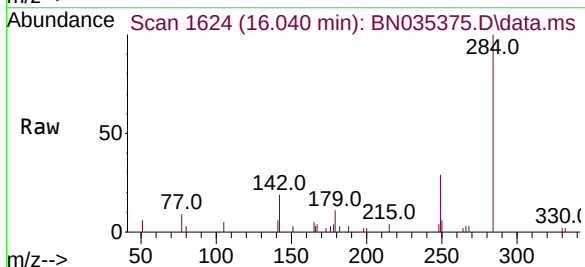
Manual Integrations
APPROVED

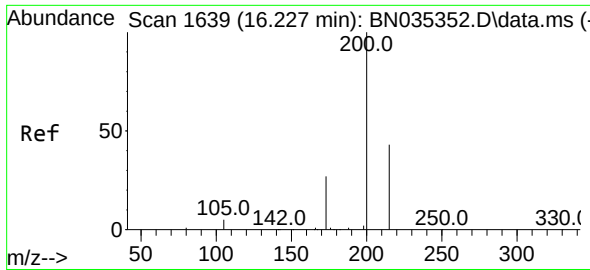
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#22
Hexachlorobenzene
Concen: 0.404 ng
RT: 16.040 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

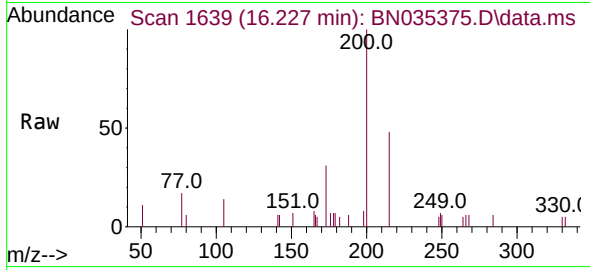
Tgt Ion:284 Resp: 2655
Ion Ratio Lower Upper
284 100
142 33.9 26.7 40.1
249 30.2 24.6 36.8





#23
Atrazine
Concen: 0.347 ng
RT: 16.227 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

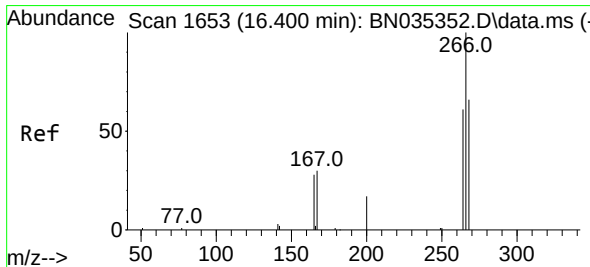
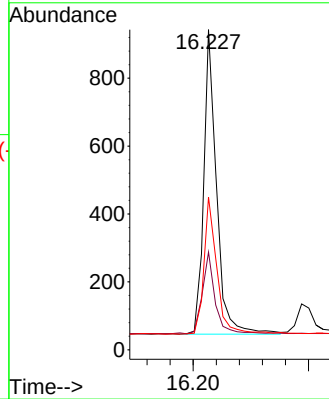
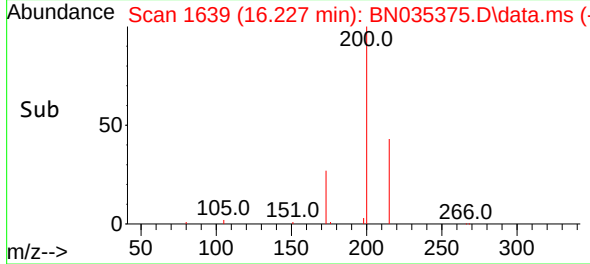
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:200 Resp: 1384
Ion Ratio Lower Upper
200 100
173 30.5 24.1 36.1
215 47.7 36.9 55.3

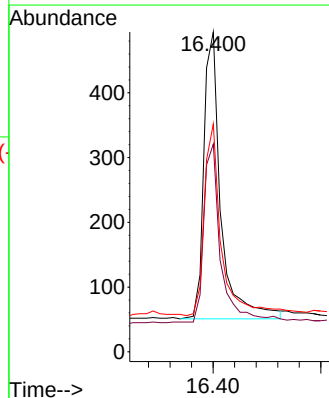
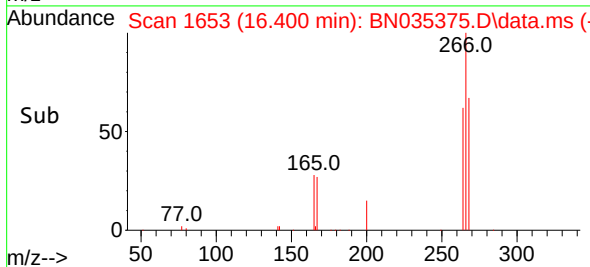
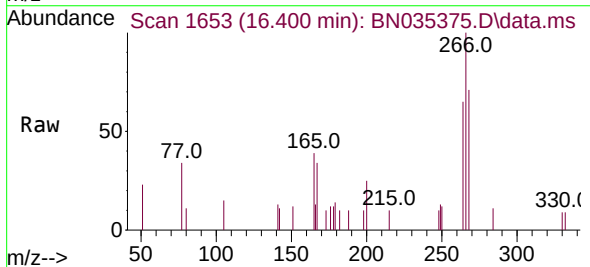
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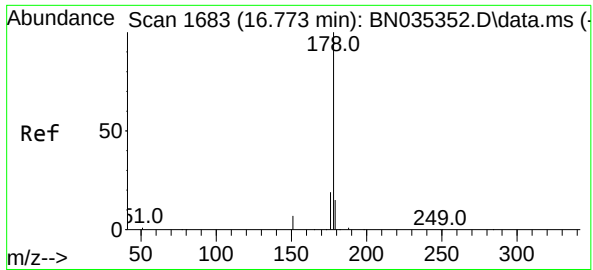
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#24
Pentachlorophenol
Concen: 0.340 ng
RT: 16.400 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

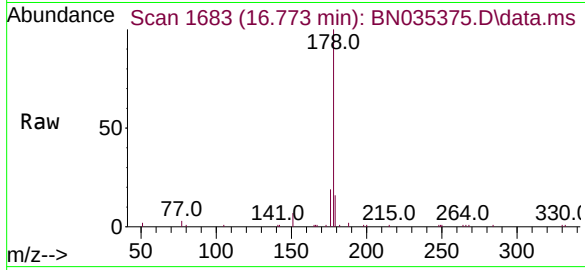
Tgt Ion:266 Resp: 973
Ion Ratio Lower Upper
266 100
264 62.7 42.3 63.5
268 67.7 43.3 64.9#





#25
Phenanthrene
Concen: 0.388 ng
RT: 16.773 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

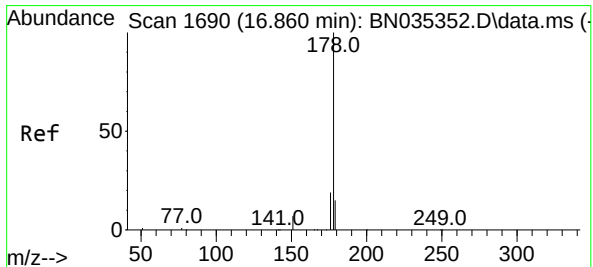
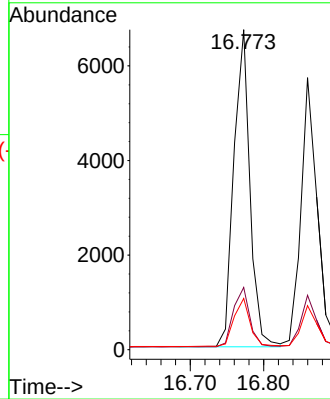
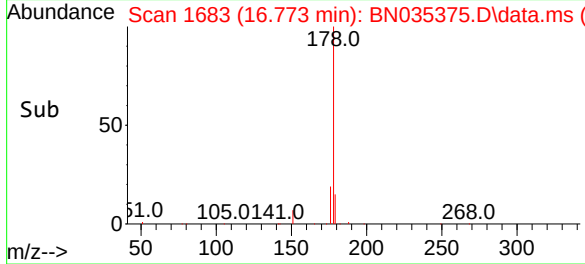
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:178 Resp: 10204
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.4 12.3 18.5

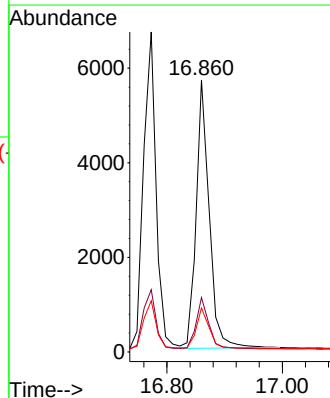
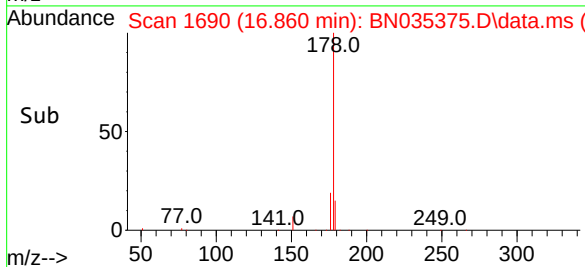
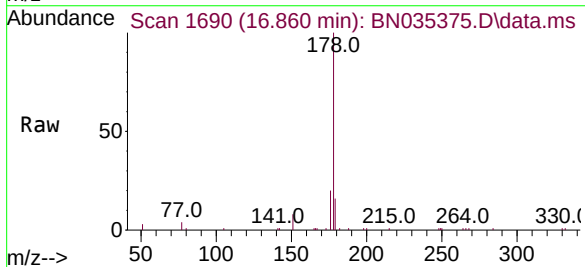
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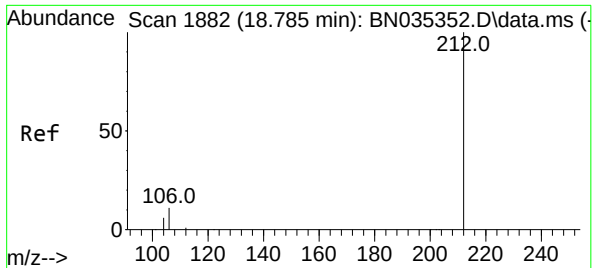
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#26
Anthracene
Concen: 0.376 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:178 Resp: 8929
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.5 12.6 18.8





#27

Fluoranthene-d10

Concen: 0.373 ng

RT: 18.785 min Scan# 1882

Delta R.T. 0.000 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

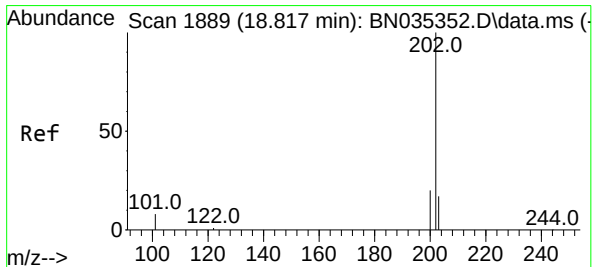
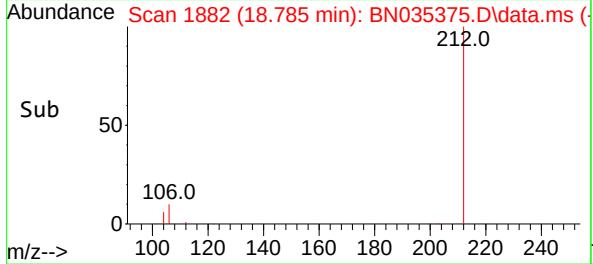
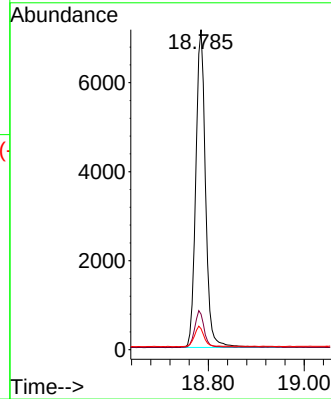
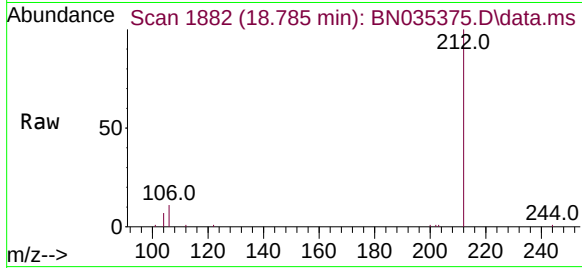
Tgt Ion:	212	Resp:	1010
Ion Ratio	Lower	Upper	
212	100		
106	11.1	9.2	13.8
104	6.3	5.3	7.9

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#28

Fluoranthene

Concen: 0.373 ng

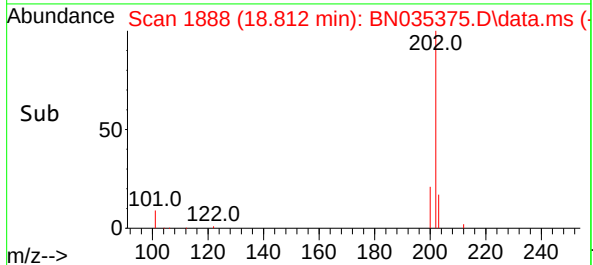
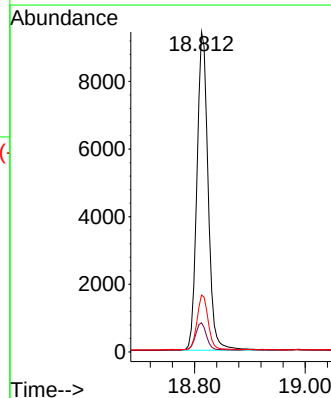
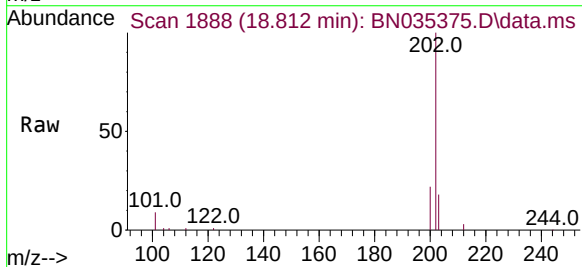
RT: 18.812 min Scan# 1888

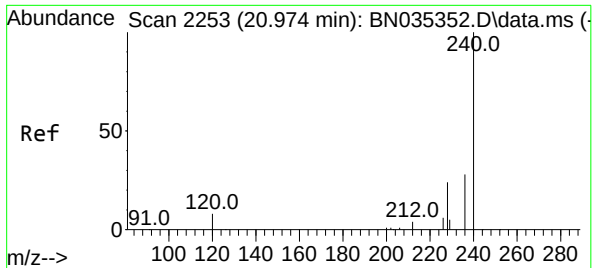
Delta R.T. -0.005 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

Tgt Ion:	202	Resp:	13216
Ion Ratio	Lower	Upper	
202	100		
101	8.6	7.4	11.0
203	17.0	13.7	20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.974 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:240 Resp: 922

Ion Ratio Lower Upper

240 100

120 8.9 7.9 11.9

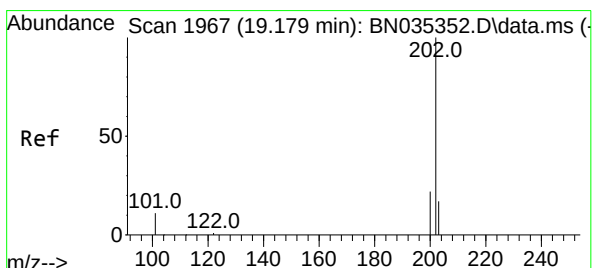
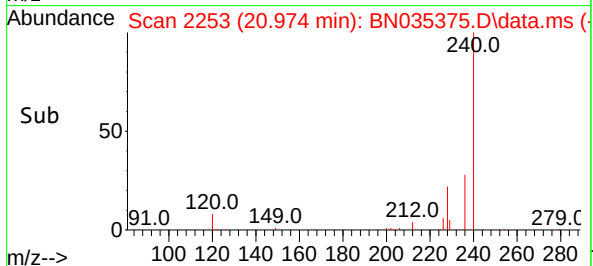
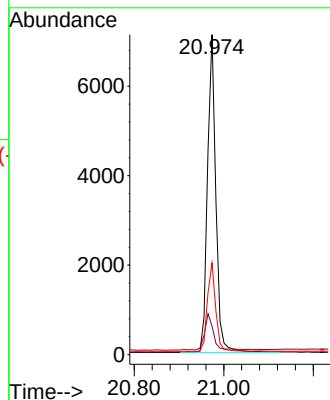
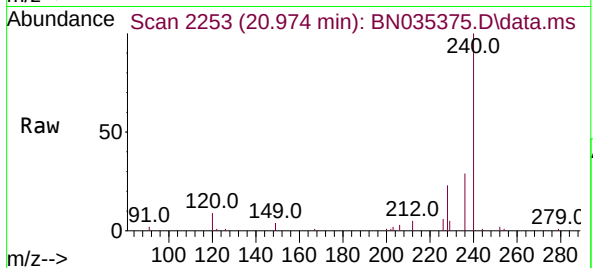
236 28.6 22.9 34.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#30

Pyrene

Concen: 0.403 ng

RT: 19.179 min Scan# 1967

Delta R.T. 0.000 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

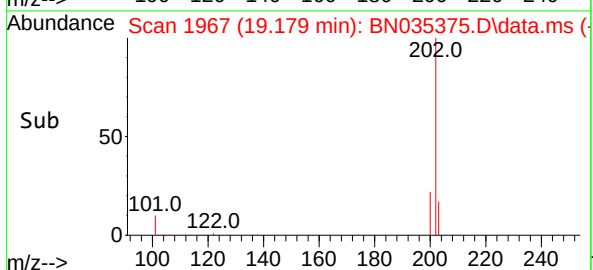
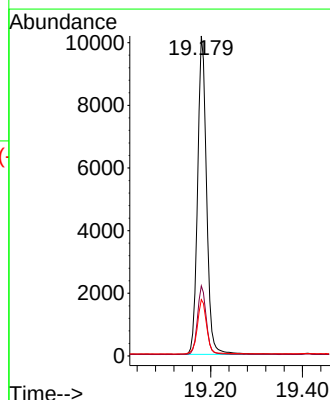
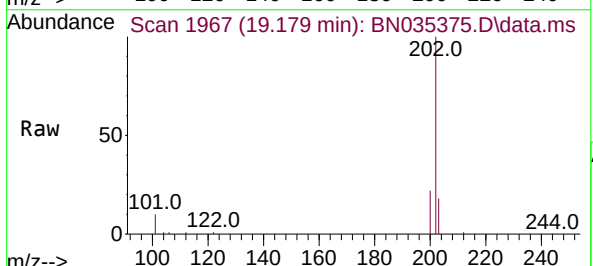
Tgt Ion:202 Resp: 13731

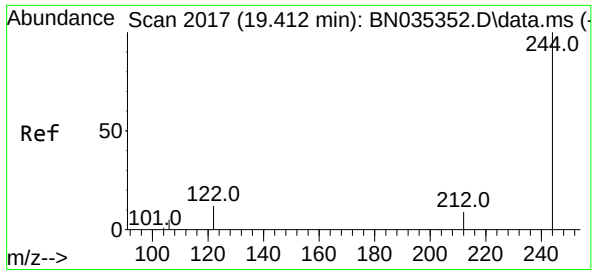
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 17.8 14.3 21.5





#31
Terphenyl-d14
Concen: 0.399 ng
RT: 19.412 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Instrument :

BNA_N

ClientSampleId :

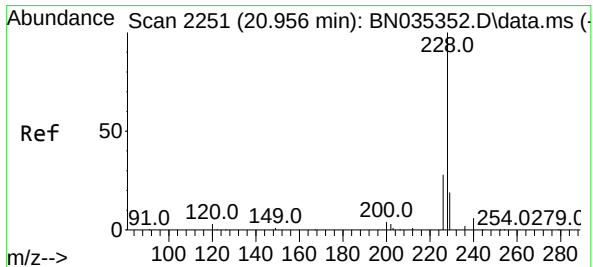
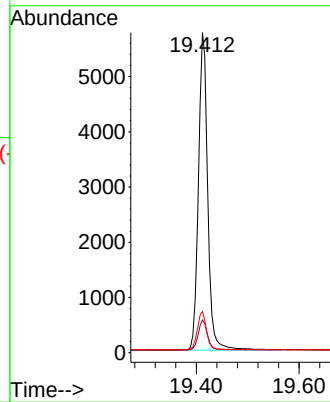
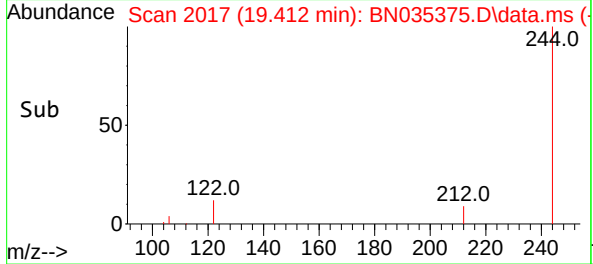
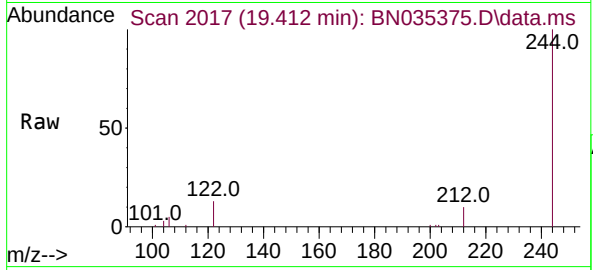
SSTDCCC0.4EC

Tgt Ion:244 Resp: 725
Ion Ratio Lower Upper
244 100
212 10.3 8.1 12.1
122 12.9 10.3 15.5

Manual Integrations

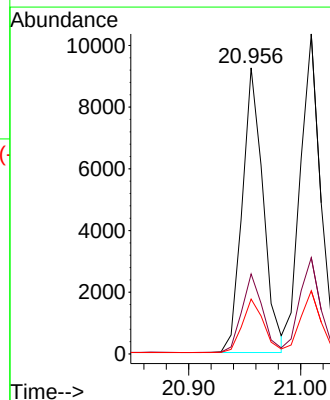
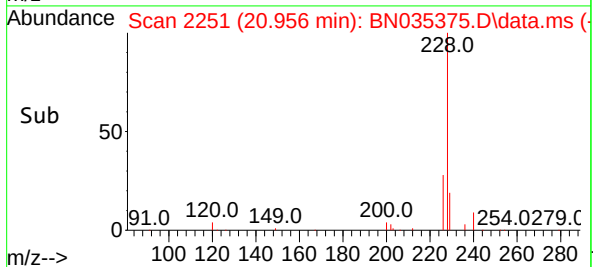
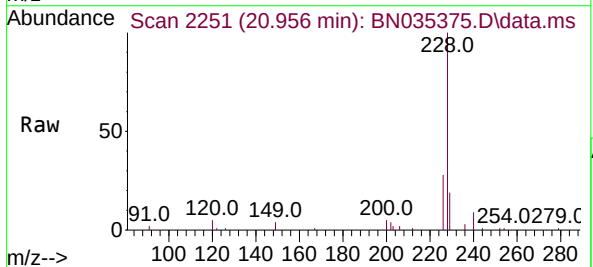
APPROVED

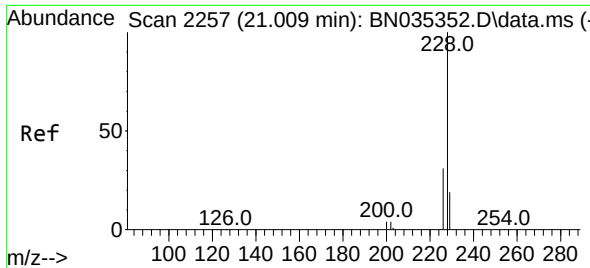
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#32
Benzo(a)anthracene
Concen: 0.372 ng
RT: 20.956 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

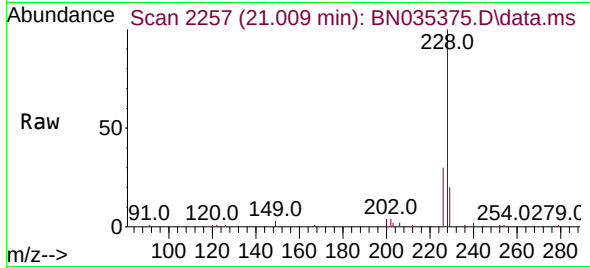
Tgt Ion:228 Resp: 11985
Ion Ratio Lower Upper
228 100
226 28.0 22.5 33.7
229 19.2 15.8 23.8





#33
Chrysene
Concen: 0.402 ng
RT: 21.009 min Scan# 2100
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

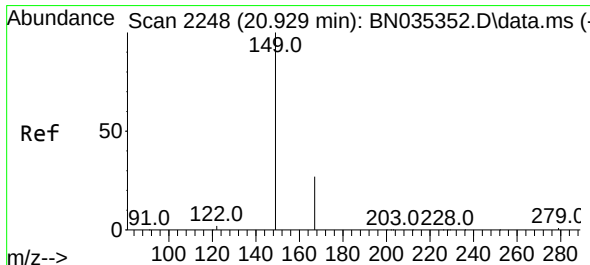
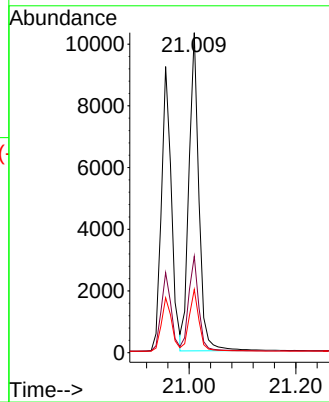
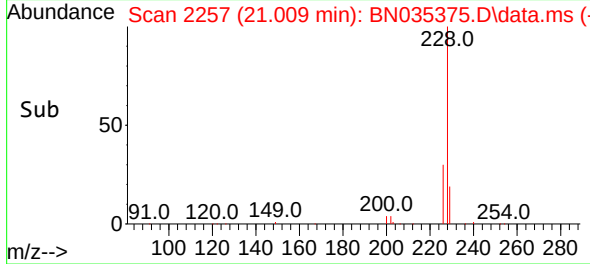
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:228 Resp: 1336
Ion Ratio Lower Upper
228 100
226 30.1 24.6 37.0
229 19.8 15.9 23.9

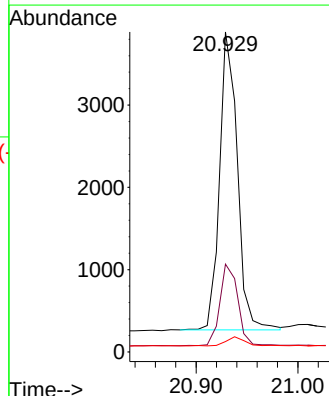
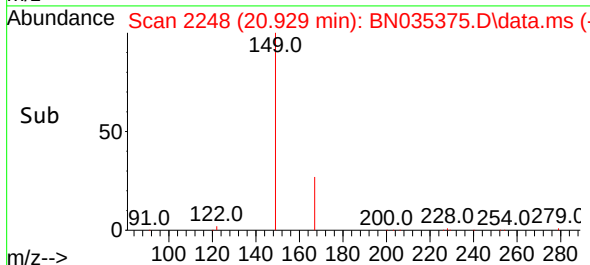
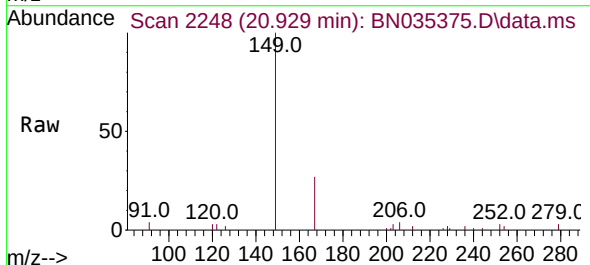
Manual Integrations
APPROVED

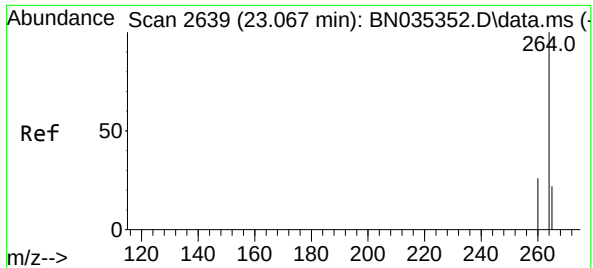
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.344 ng
RT: 20.929 min Scan# 2248
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

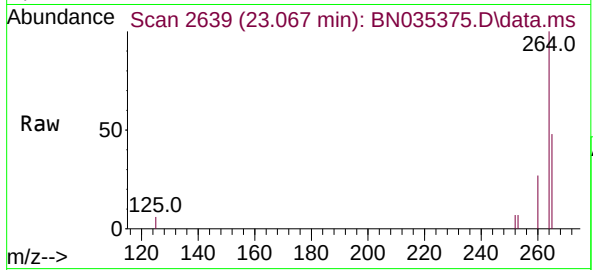
Tgt Ion:149 Resp: 4380
Ion Ratio Lower Upper
149 100
167 27.8 22.2 33.4
279 3.3 2.7 4.1





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2639
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

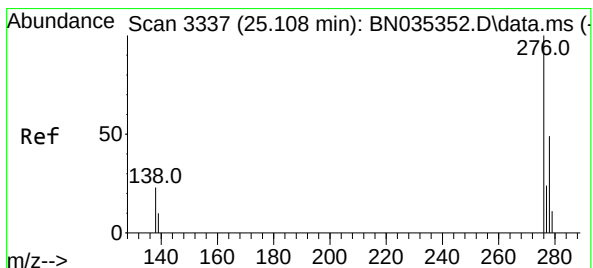
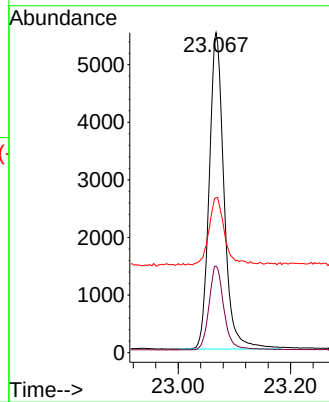
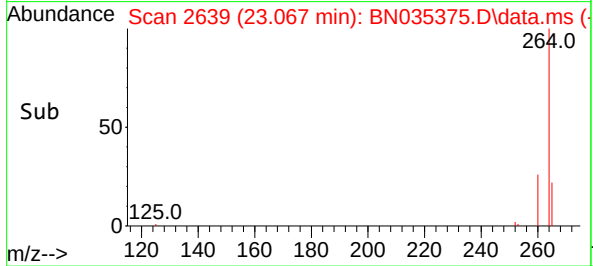
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC



Tgt Ion:264 Resp: 1008
Ion Ratio Lower Upper
264 100
260 27.0 21.4 32.2
265 48.5 40.2 60.4

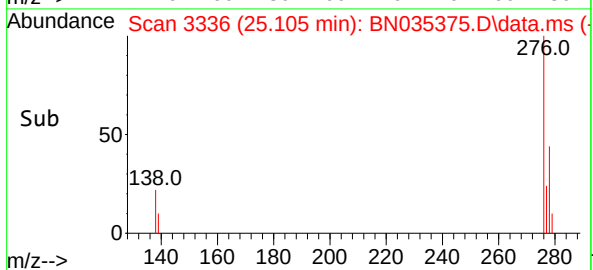
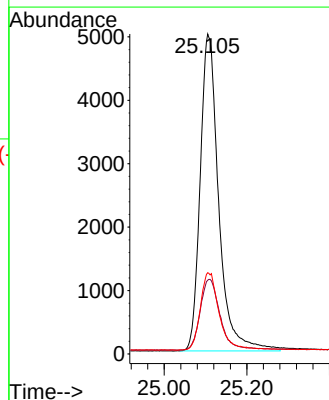
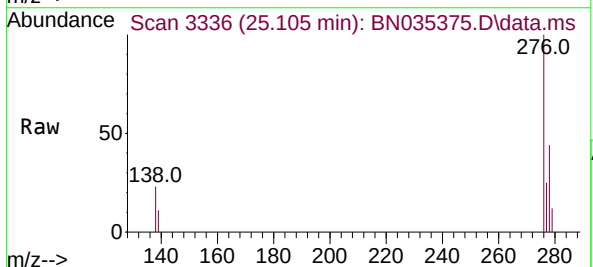
Manual Integrations
APPROVED

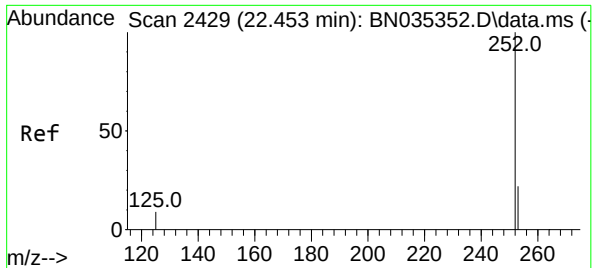
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.394 ng
RT: 25.105 min Scan# 3336
Delta R.T. -0.003 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:276 Resp: 15538
Ion Ratio Lower Upper
276 100
138 23.6 19.4 29.0
277 24.8 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.361 ng

RT: 22.453 min Scan# 2429

Delta R.T. 0.000 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:252 Resp: 1332

Ion Ratio Lower Upper

252 100

253 24.4 19.6 29.4

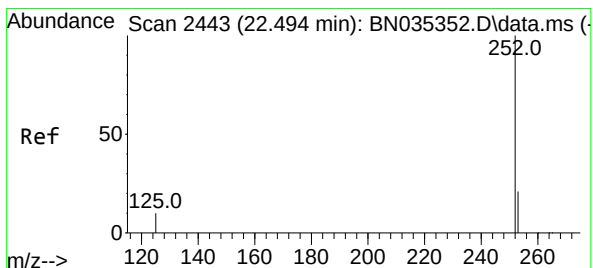
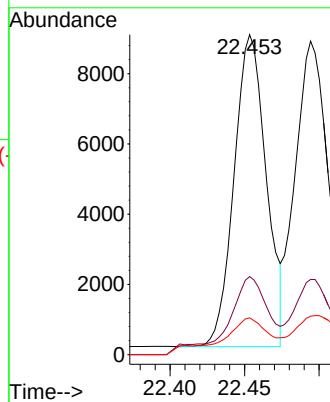
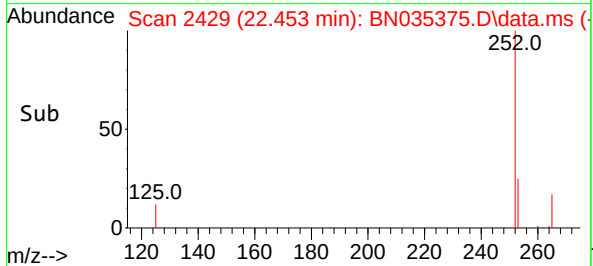
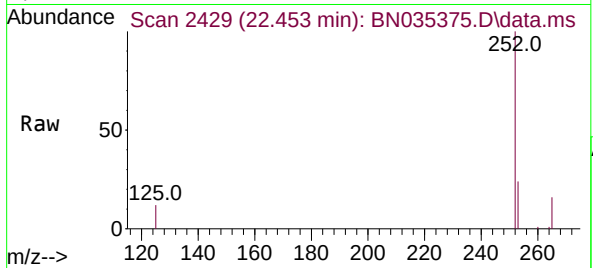
125 11.5 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#38

Benzo(k)fluoranthene

Concen: 0.397 ng

RT: 22.494 min Scan# 2443

Delta R.T. 0.000 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

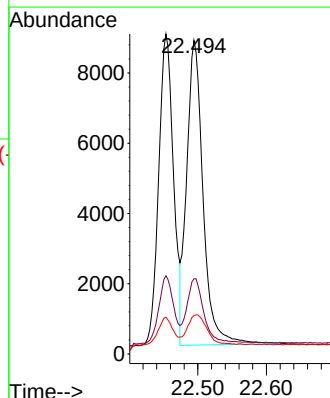
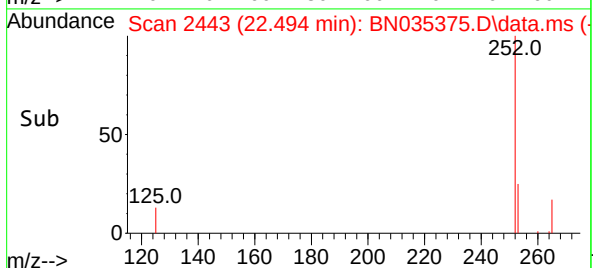
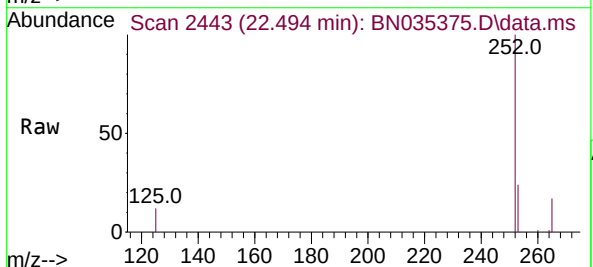
Tgt Ion:252 Resp: 14406

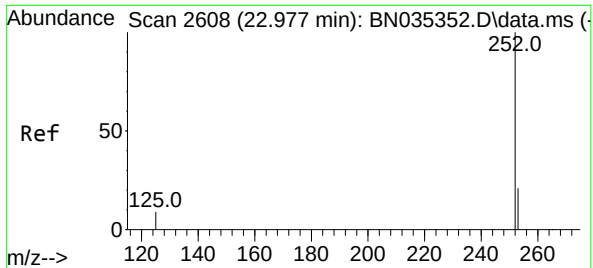
Ion Ratio Lower Upper

252 100

253 24.0 19.5 29.3

125 12.3 10.2 15.4





#39

Benzo(a)pyrene

Concen: 0.359 ng

RT: 22.977 min Scan# 20

Delta R.T. 0.000 min

Lab File: BN035375.D

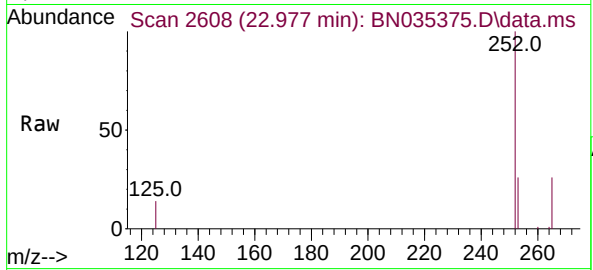
Acq: 28 Nov 2024 09:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC



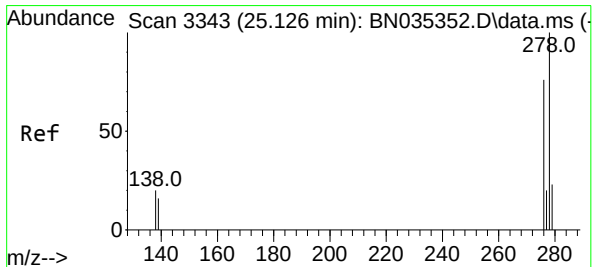
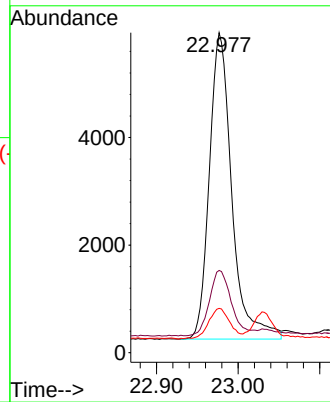
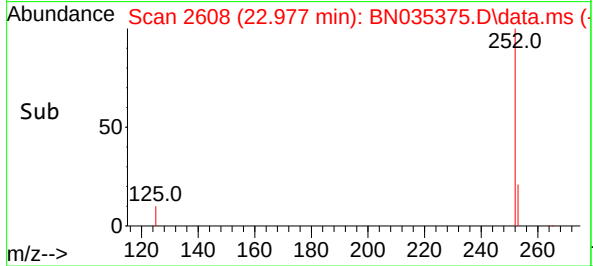
Tgt Ion:	252	Resp:	1089
Ion Ratio	Lower	Upper	
252	100		
253	25.7	20.2	30.4
125	13.8	10.9	16.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#40

Dibenzo(a,h)anthracene

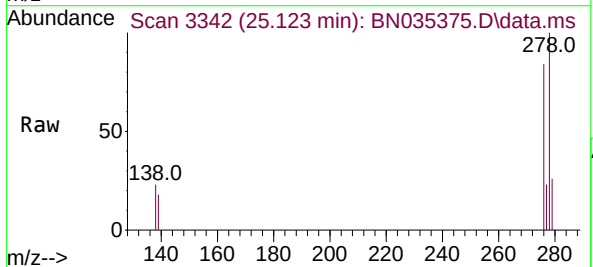
Concen: 0.389 ng

RT: 25.123 min Scan# 3342

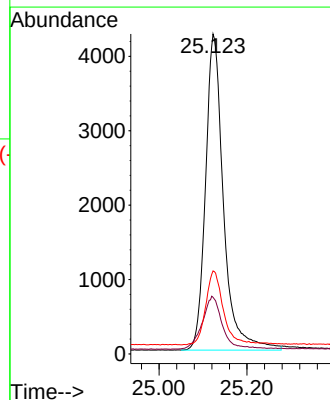
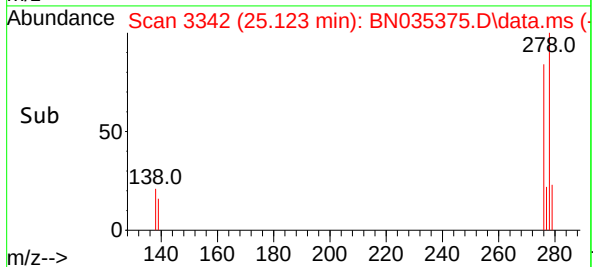
Delta R.T. -0.003 min

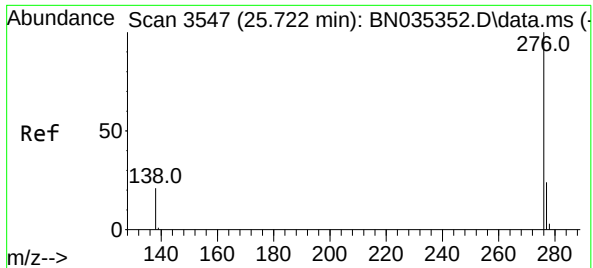
Lab File: BN035375.D

Acq: 28 Nov 2024 09:02



Tgt Ion:	278	Resp:	12092
Ion Ratio	Lower	Upper	
278	100		
139	17.7	14.2	21.4
279	26.0	20.5	30.7





#41

Benzo(g,h,i)perylene

Concen: 0.385 ng

RT: 25.722 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN035375.D

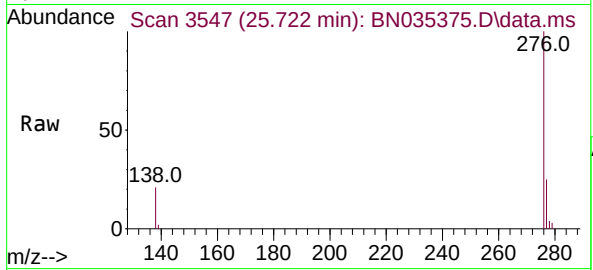
Acq: 28 Nov 2024 09:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC



Tgt Ion:276 Resp: 1250

Ion Ratio Lower Upper

276 100

277 25.1 19.9 29.9

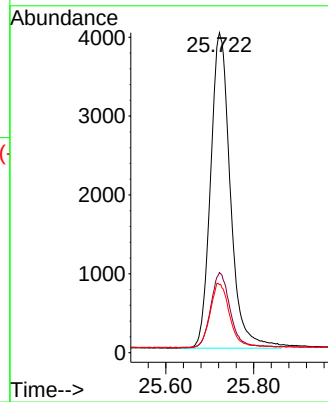
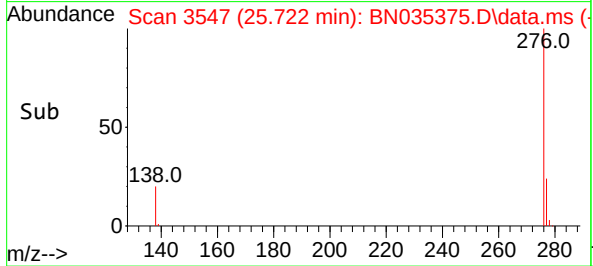
138 21.3 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035375.D
 Acq On : 28 Nov 2024 09:02
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 29 00:19:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
2	1,4-Dioxane	0.382	0.378	1.0	98	0.00
3	n-Nitrosodimethylamine	0.319	0.315	1.3	94	0.00
4 S	2-Fluorophenol	1.001	1.006	-0.5	96	0.00
5 S	Phenol-d6	1.204	1.212	-0.7	99	0.00
6	bis(2-Chloroethyl)ether	1.012	0.983	2.9	96	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	98	0.00
8 S	Nitrobenzene-d5	0.244	0.244	0.0	101	0.00
9	Naphthalene	1.055	1.045	0.9	97	0.00
10	Hexachlorobutadiene	0.243	0.260	-7.0	103	0.00
11 SURR	2-Methylnaphthalene-d10	0.626	0.614	1.9	97	0.00
12	2-Methylnaphthalene	0.755	0.744	1.5	98	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
14 S	2,4,6-Tribromophenol	0.284	0.266	6.3	104	0.00
15 S	2-Fluorobiphenyl	1.512	1.517	-0.3	100	0.00
16	Acenaphthylene	1.680	1.587	5.5	100	0.00
17	Acenaphthene	1.115	1.081	3.0	100	0.00
18	Fluorene	1.596	1.563	2.1	101	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	101	-0.01
20	4,6-Dinitro-2-methylphenol	0.039	0.037	5.1	106	0.00
21	4-Bromophenyl-phenylether	0.234	0.231	1.3	103	0.00
22	Hexachlorobenzene	0.275	0.278	-1.1	103	0.00
23	Atrazine	0.167	0.145	13.2	95	0.00
24	Pentachlorophenol	0.120	0.102	15.0	107	0.00
25	Phenanthrene	1.099	1.067	2.9	101	0.00
26	Anthracene	0.994	0.933	6.1	100	0.00
27 SURR	Fluoranthene-d10	1.134	1.056	6.9	99	0.00
28	Fluoranthene	1.481	1.382	6.7	98	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	97	0.00
30	Pyrene	1.477	1.489	-0.8	98	0.00
31 S	Terphenyl-d14	0.789	0.787	0.3	96	0.00
32	Benzo(a)anthracene	1.399	1.300	7.1	93	0.00
33	Chrysene	1.443	1.449	-0.4	97	0.00
34	Bis(2-ethylhexyl)phthalate	0.553	0.475	14.1	89	0.00
35 I	Perylene-d12	1.000	1.000	0.0	93	0.00
36	Indeno(1,2,3-cd)pyrene	1.564	1.541	1.5	94	0.00
37	Benzo(b)fluoranthene	1.463	1.322	9.6	94	0.00
38	Benzo(k)fluoranthene	1.440	1.429	0.8	95	0.00
39 C	Benzo(a)pyrene	1.205	1.080	10.4	88	0.00
40	Dibenzo(a,h)anthracene	1.234	1.199	2.8	93	0.00
41	Benzo(g,h,i)perylene	1.289	1.240	3.8	92	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035375.D
 Acq On : 28 Nov 2024 09:02
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 29 00:19:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	97	0.00
2	1,4-Dioxane	0.400	0.396	1.0	98	0.00
3	n-Nitrosodimethylamine	0.400	0.396	1.0	94	0.00
4 S	2-Fluorophenol	0.400	0.402	-0.5	96	0.00
5 S	Phenol-d6	0.400	0.403	-0.8	99	0.00
6	bis(2-Chloroethyl)ether	0.400	0.389	2.8	96	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	98	0.00
8 S	Nitrobenzene-d5	0.400	0.400	0.0	101	0.00
9	Naphthalene	0.400	0.396	1.0	97	0.00
10	Hexachlorobutadiene	0.400	0.427	-6.7	103	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.392	2.0	97	0.00
12	2-Methylnaphthalene	0.400	0.394	1.5	98	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	100	0.00
14 S	2,4,6-Tribromophenol	0.400	0.375	6.3	104	0.00
15 S	2-Fluorobiphenyl	0.400	0.401	-0.3	100	0.00
16	Acenaphthylene	0.400	0.378	5.5	100	0.00
17	Acenaphthene	0.400	0.388	3.0	100	0.00
18	Fluorene	0.400	0.392	2.0	101	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	101	-0.01
20	4,6-Dinitro-2-methylphenol	0.400	0.380	5.0	106	0.00
21	4-Bromophenyl-phenylether	0.400	0.394	1.5	103	0.00
22	Hexachlorobenzene	0.400	0.404	-1.0	103	0.00
23	Atrazine	0.400	0.347	13.3	95	0.00
24	Pentachlorophenol	0.400	0.340	15.0	107	0.00
25	Phenanthrene	0.400	0.388	3.0	101	0.00
26	Anthracene	0.400	0.376	6.0	100	0.00
27 SURR	Fluoranthene-d10	0.400	0.373	6.8	99	0.00
28	Fluoranthene	0.400	0.373	6.8	98	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	97	0.00
30	Pyrene	0.400	0.403	-0.8	98	0.00
31 S	Terphenyl-d14	0.400	0.399	0.3	96	0.00
32	Benzo(a)anthracene	0.400	0.372	7.0	93	0.00
33	Chrysene	0.400	0.402	-0.5	97	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.344	14.0	89	0.00
35 I	Perylene-d12	0.400	0.400	0.0	93	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.394	1.5	94	0.00
37	Benzo(b)fluoranthene	0.400	0.361	9.8	94	0.00
38	Benzo(k)fluoranthene	0.400	0.397	0.8	95	0.00
39 C	Benzo(a)pyrene	0.400	0.359	10.3	88	0.00
40	Dibenzo(a,h)anthracene	0.400	0.389	2.8	93	0.00
41	Benzo(g,h,i)perylene	0.400	0.385	3.8	92	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



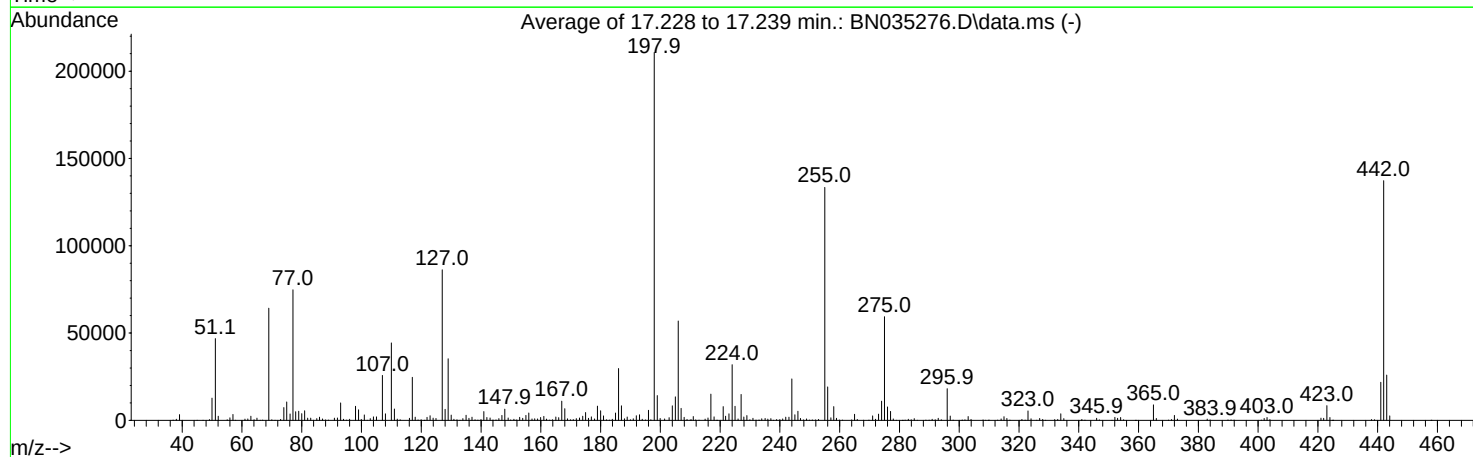
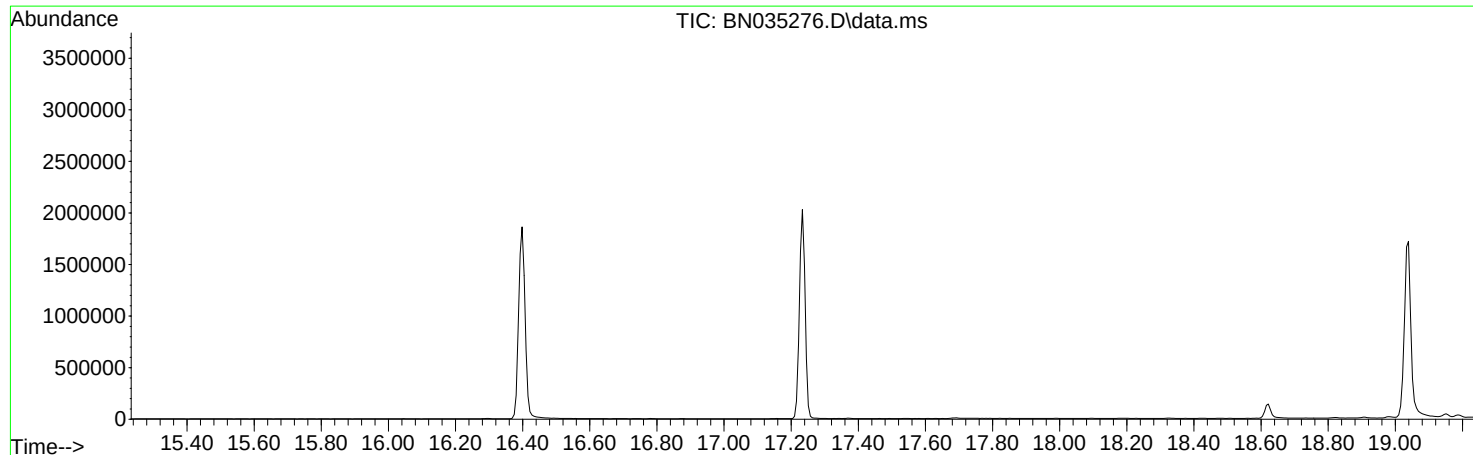
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035276.D
Acq On : 25 Nov 2024 09:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 26 02:36:08 2024



AutoFind: Scans 2438, 2439, 2440; Background Corrected with Scan 2431

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	22.2	46795	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	30.5	64280	PASS
70	69	0.00	2	0.5	352	PASS
127	198	10	80	40.9	86240	PASS
197	198	0.00	2	0.2	340	PASS
198	198	100	100	100.0	210688	PASS
199	198	5	9	6.7	14182	PASS
275	198	10	60	28.2	59405	PASS
365	198	1	100	4.2	8892	PASS
441	198	0.01	100	10.4	21850	PASS
442	442	50	100	100.0	137299	PASS
443	442	15	24	18.9	25952	PASS

DDT Breakdown

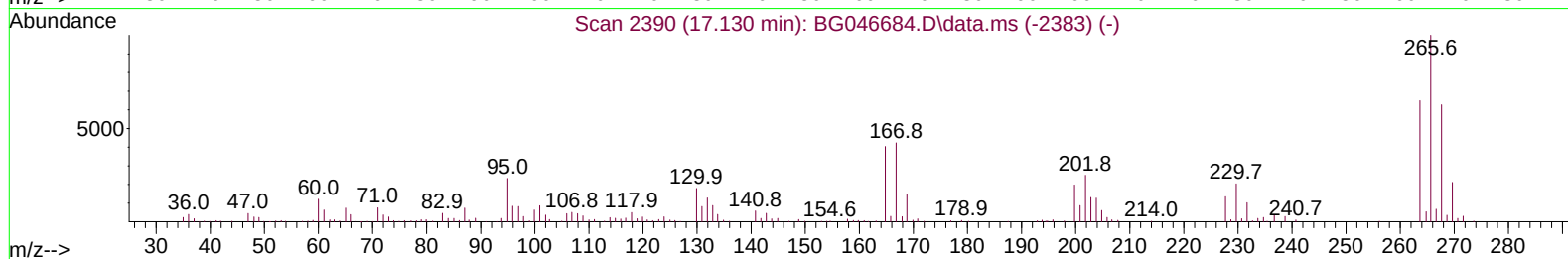
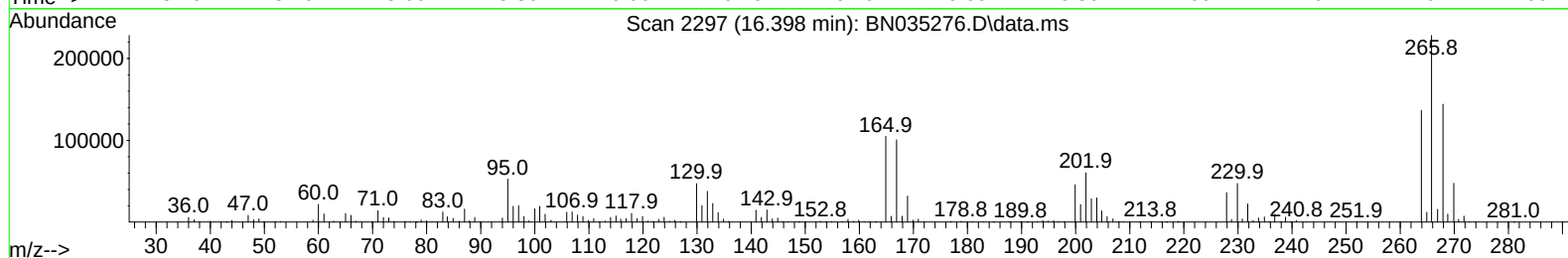
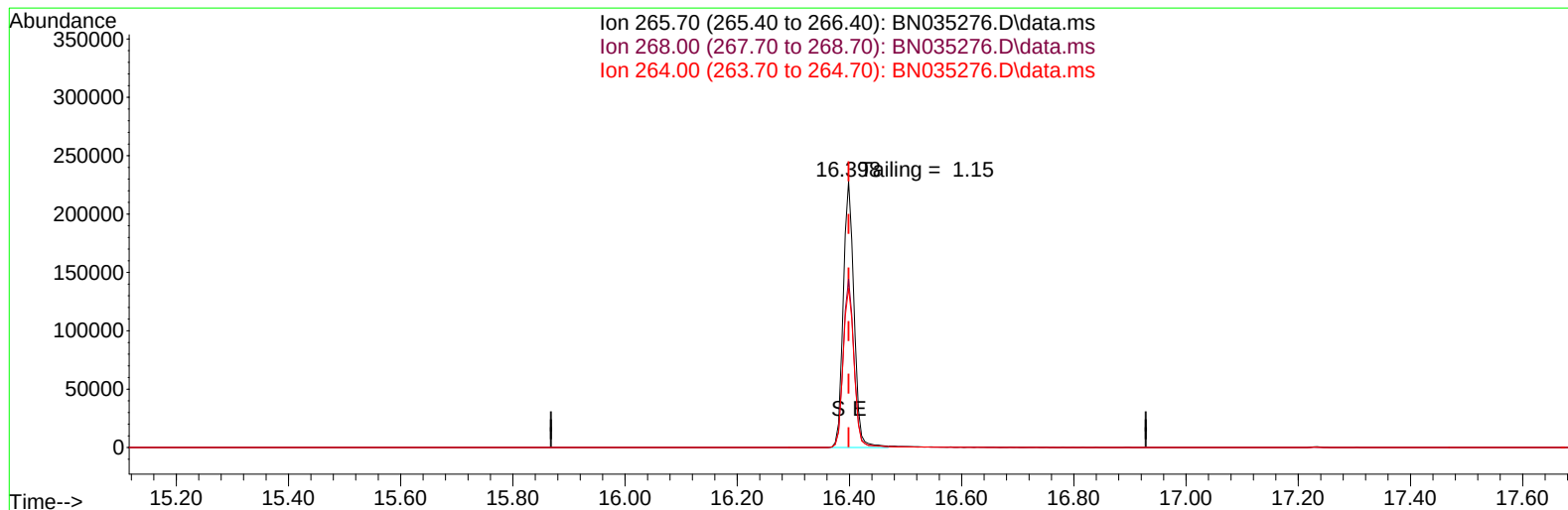
Date	Instrument Name	DFTPP Data File
11/25/2024	BNA_N	<u>BN035276.D</u>
Compound Name	Response	Retention Time
DDT	703573	20.292
DDD	32612	19.845
DDE	1098	19.333
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
33710	737283	4.57

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035276.D
Acq On : 25 Nov 2024 09:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 26 05:17:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:17:50 2024
Response via : Initial Calibration



TIC: BN035276.D\data.ms

(70) Pentachlorophenol (C)

16.398min (0.000) 33730.33 ng

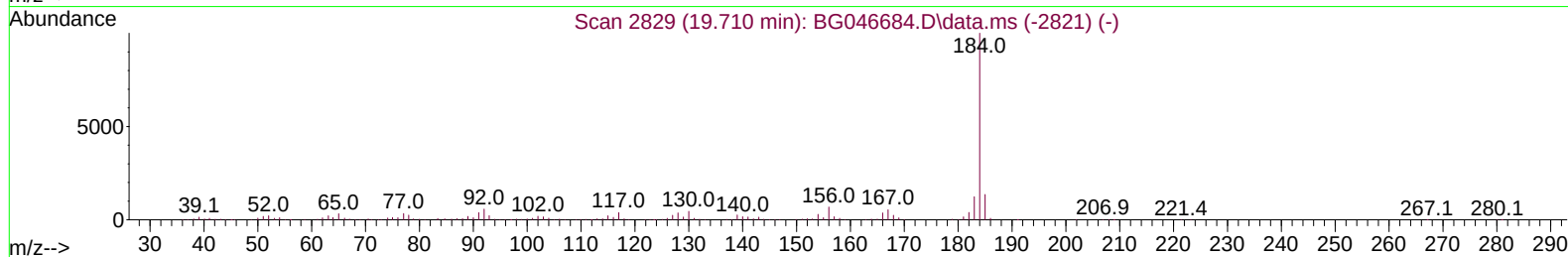
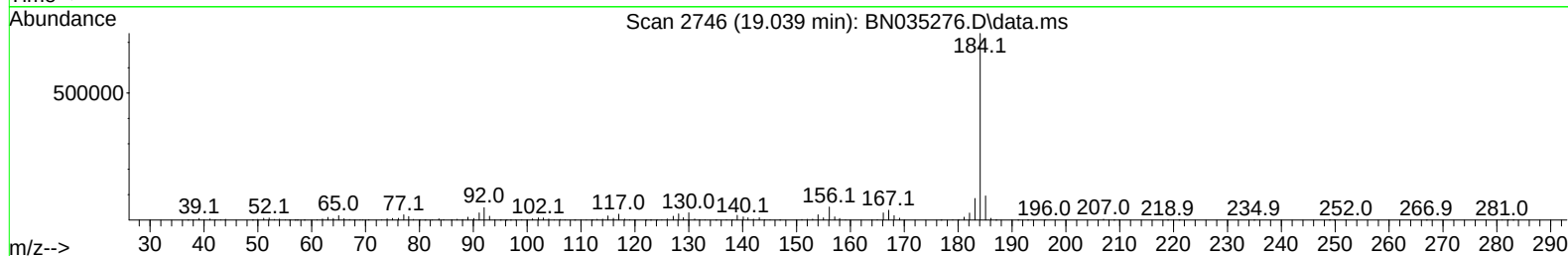
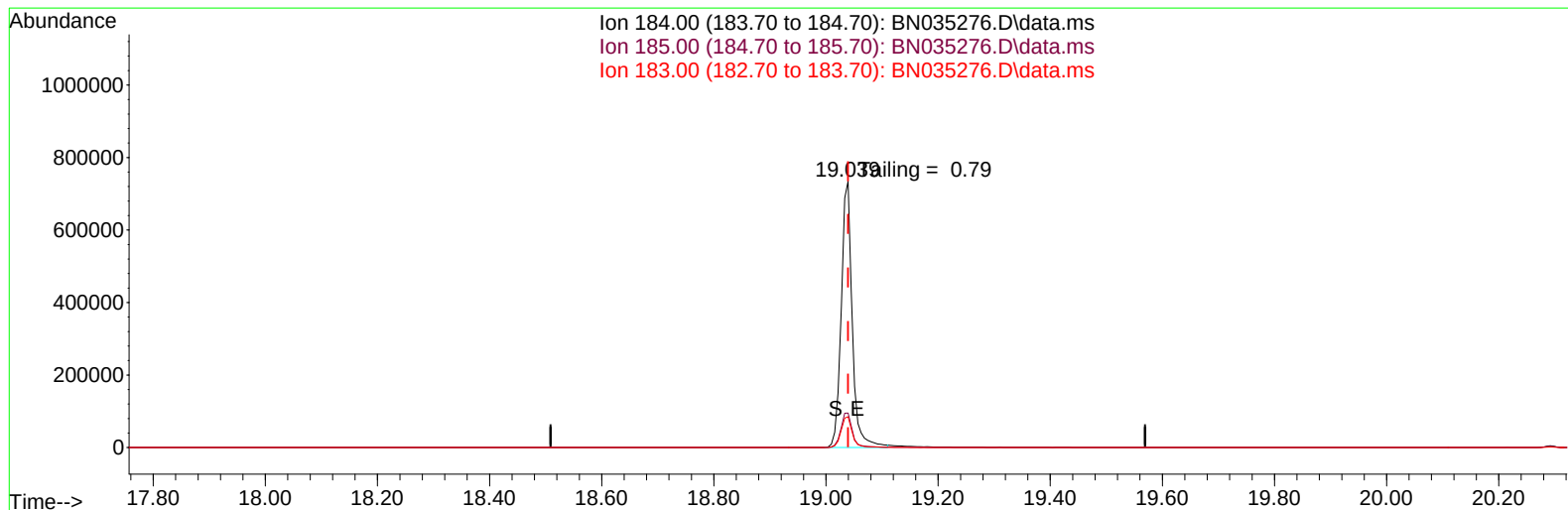
response 307325

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	63.17
264.00	61.60	59.86
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035276.D
Acq On : 25 Nov 2024 09:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 26 05:17:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:17:50 2024
Response via : Initial Calibration



TIC: BN035276.D\data.ms

(77) Benzidine

19.039min (0.000) 0.00 ng

response 1018750

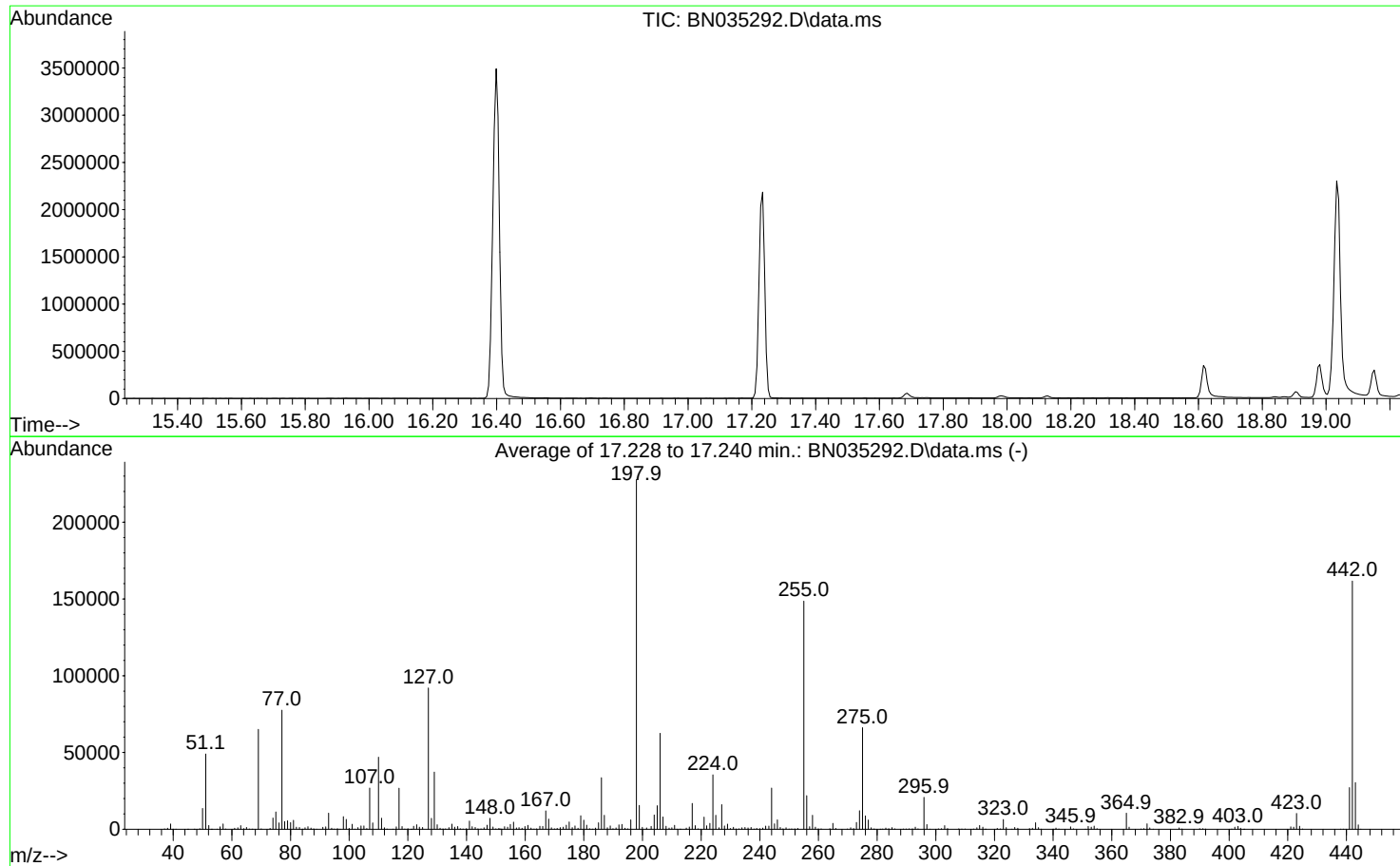
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	12.97
183.00	13.20	11.60
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035292.D
Acq On : 25 Nov 2024 20:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 26 02:36:08 2024



AutoFind: Scans 2438, 2439, 2440; Background Corrected with Scan 2431

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	21.5	49032	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	28.6	65139	PASS
70	69	0.00	2	0.5	305	PASS
127	198	10	80	40.4	92040	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	227755	PASS
199	198	5	9	6.8	15559	PASS
275	198	10	60	29.0	66160	PASS
365	198	1	100	4.6	10457	PASS
441	198	0.01	100	11.9	27155	PASS
442	442	50	100	100.0	161664	PASS
443	442	15	24	18.8	30456	PASS

DDT Breakdown

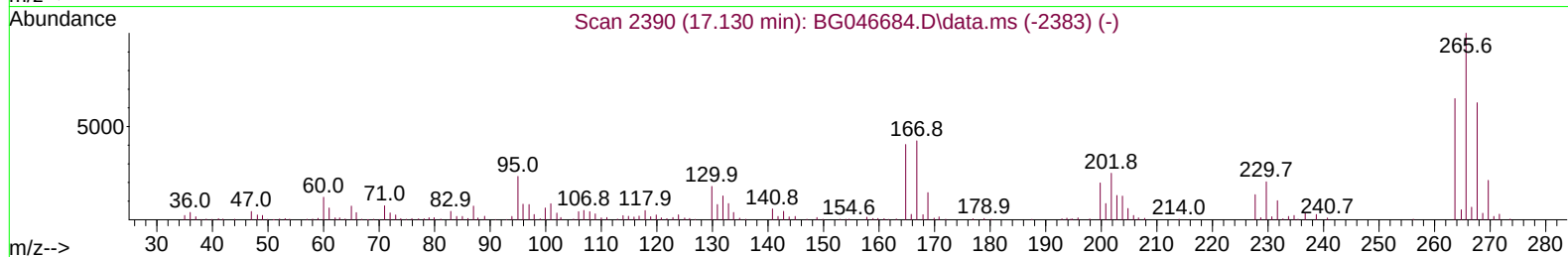
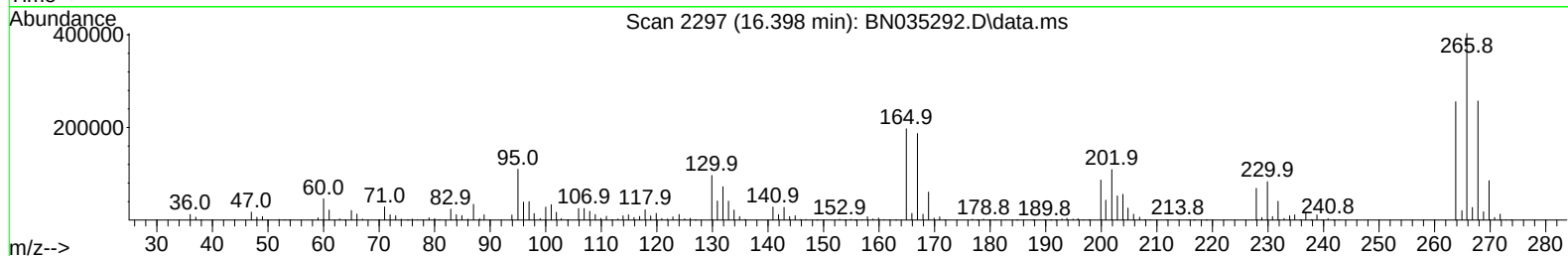
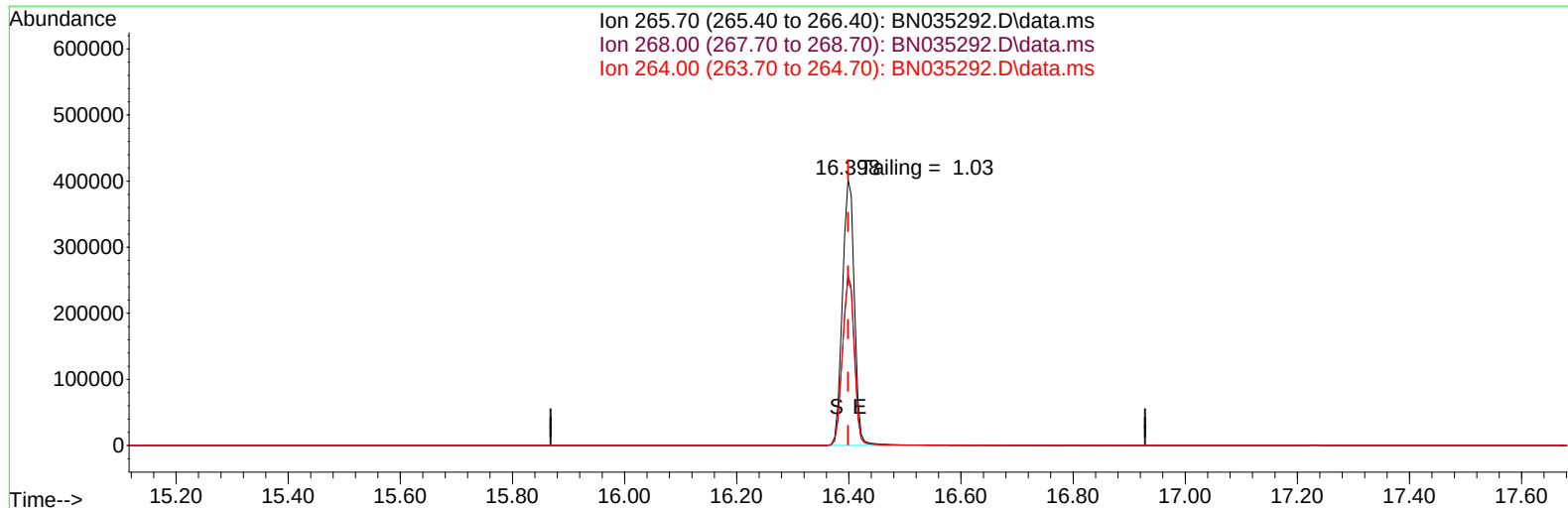
Date	Instrument Name	DFTPP Data File
11/25/2024	BNA_N	<u>BN035292.D</u>
Compound Name	Response	Retention Time
DDT	727744	20.292
DDD	34008	19.845
DDE	982	19.328
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
34990	762734	4.59

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035292.D
Acq On : 25 Nov 2024 20:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 26 05:22:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:21:56 2024
Response via : Initial Calibration



TIC: BN035292.D\data.ms

(70) Pentachlorophenol (C)

16.398min (0.000) 1275879.78 ng

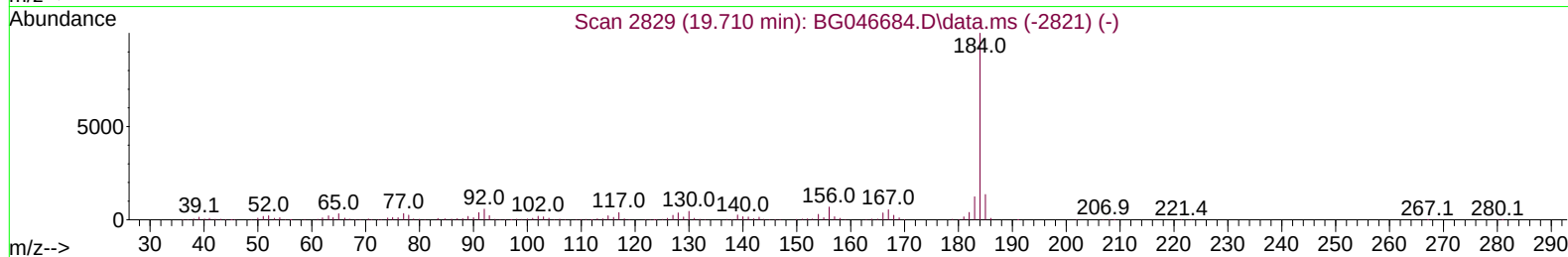
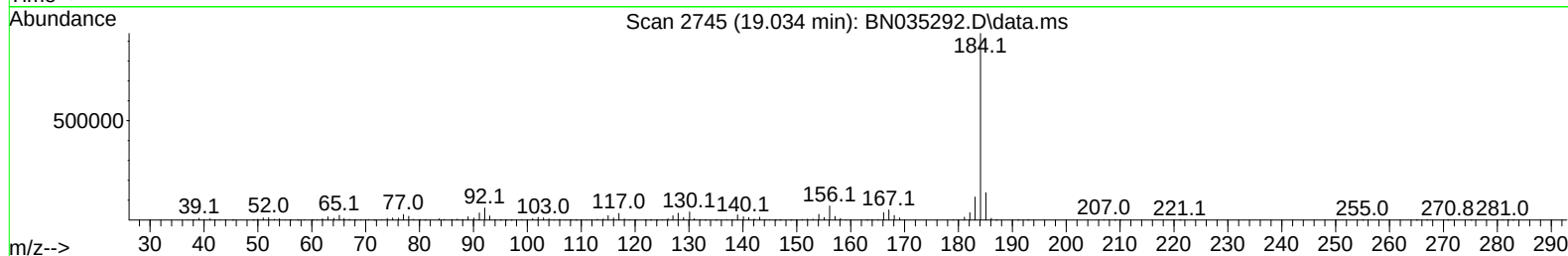
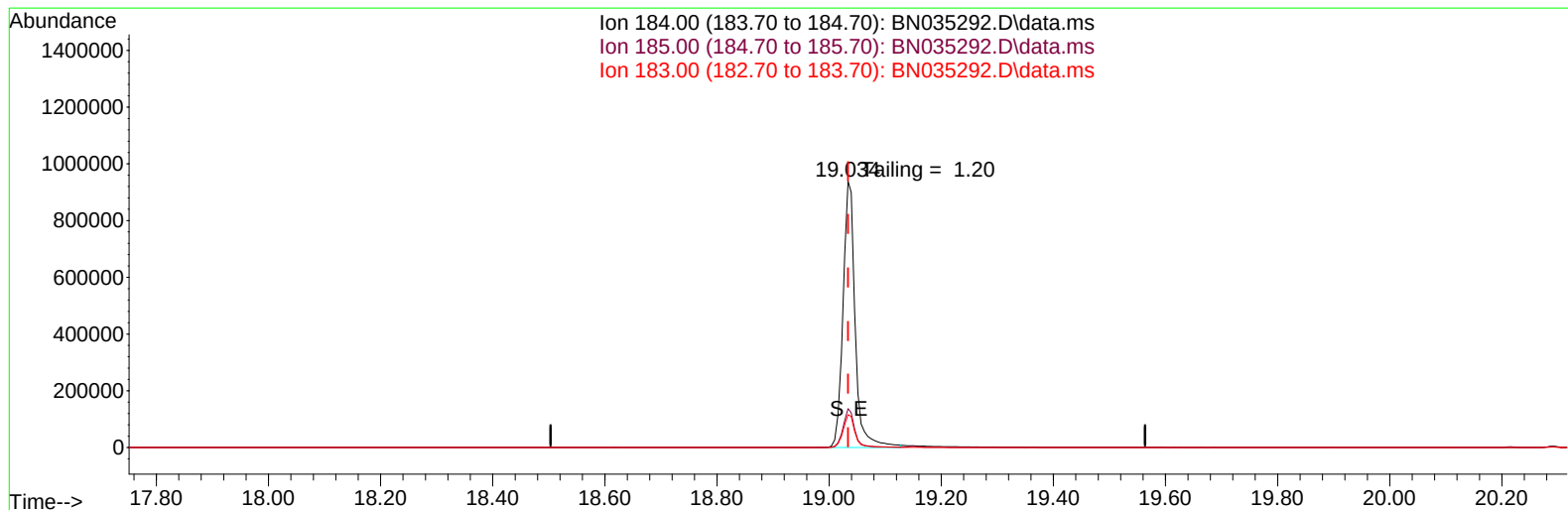
response 600767

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	63.86
264.00	61.60	63.45
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035292.D
Acq On : 25 Nov 2024 20:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 26 05:22:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:21:56 2024
Response via : Initial Calibration



TIC: BN035292.D\data.ms

(77) Benzidine

19.034min (0.000) 201606.82 ng

response 1448003

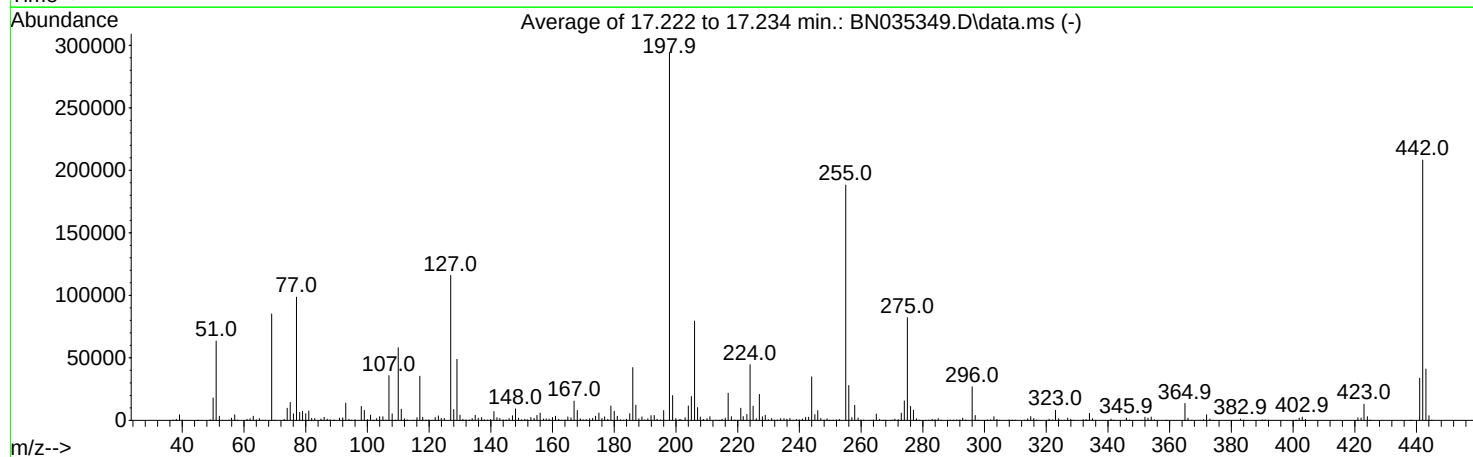
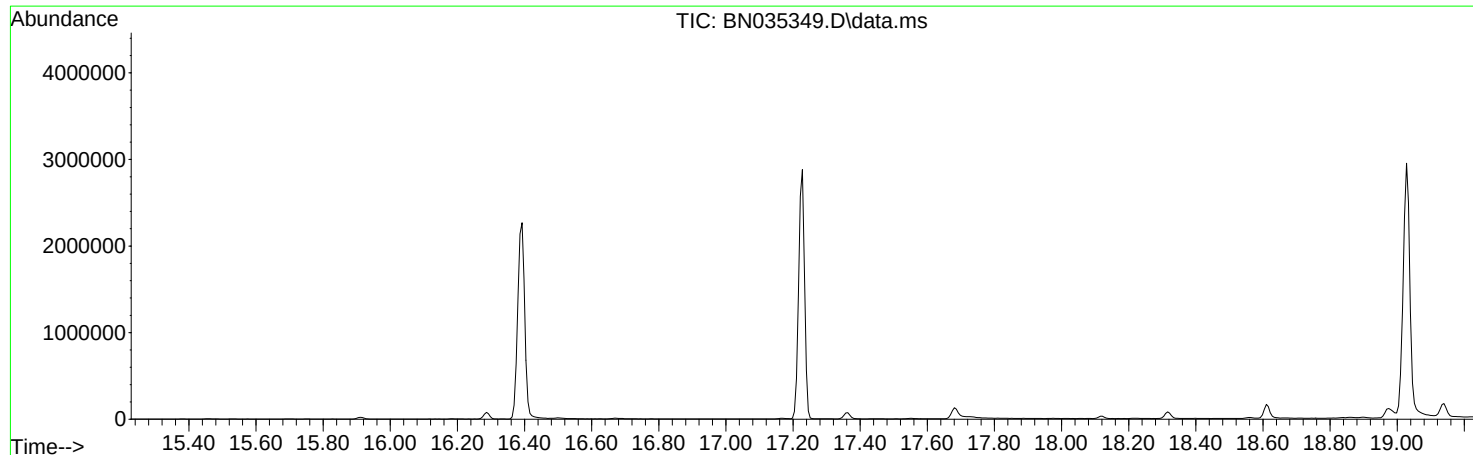
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.64
183.00	13.20	12.37
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035349.D
Acq On : 27 Nov 2024 14:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 27 23:03:24 2024



AutoFind: Scans 2437, 2438, 2439; Background Corrected with Scan 2430

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	21.6	63480	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	28.9	85062	PASS
70	69	0.00	2	0.4	303	PASS
127	198	10	80	39.4	115899	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	294229	PASS
199	198	5	9	6.7	19826	PASS
275	198	10	60	27.9	82149	PASS
365	198	1	100	4.6	13565	PASS
441	198	0.01	100	11.5	33811	PASS
442	442	50	100	100.0	208235	PASS
443	442	15	24	19.7	41045	PASS

DDT Breakdown

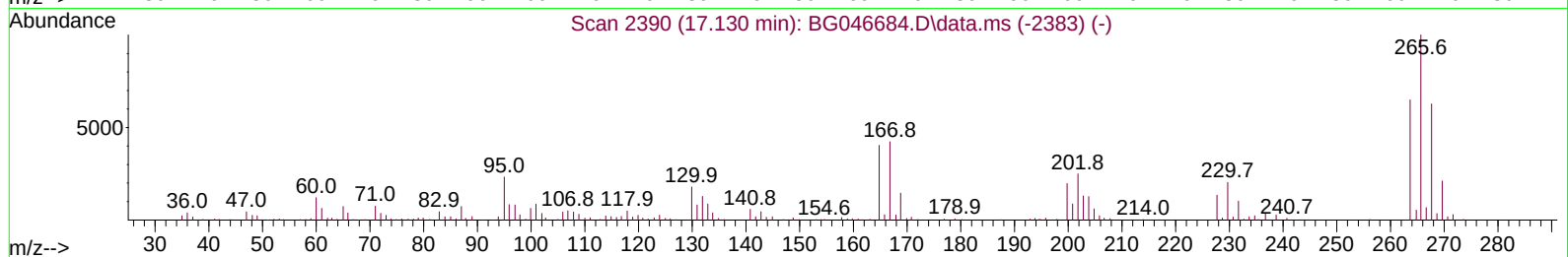
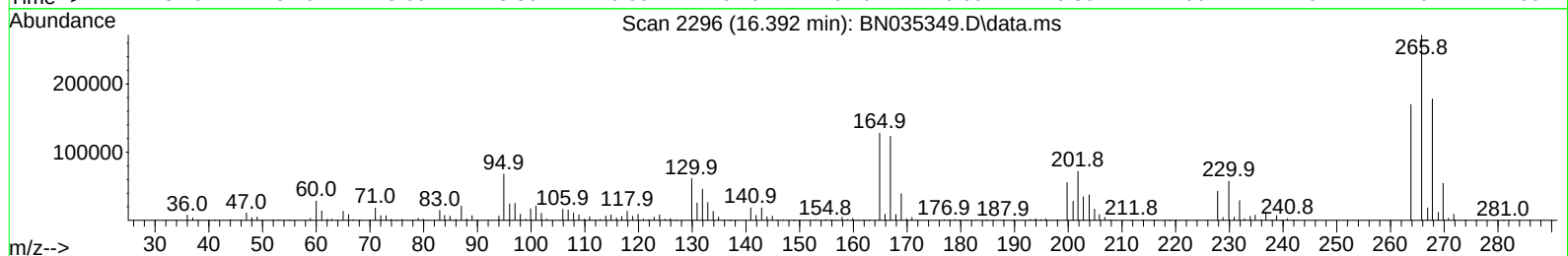
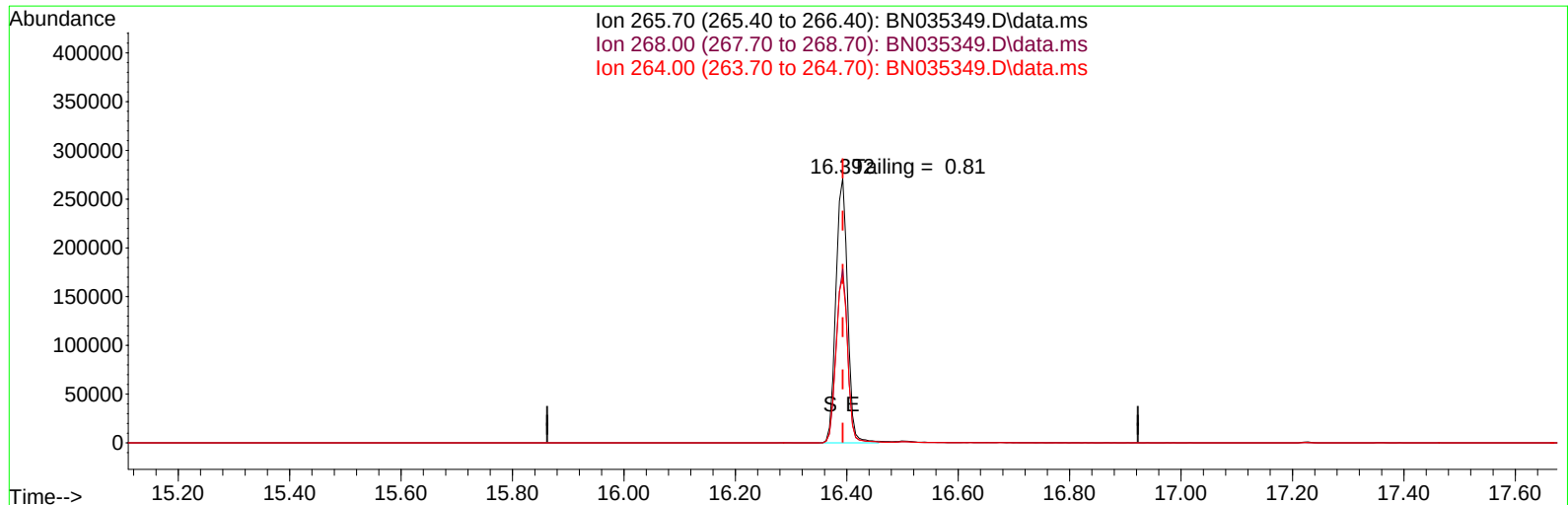
Date	Instrument Name	DFTPP Data File
11/27/2024	BNA_N	<u>BN035349.D</u>
Compound Name	Response	Retention Time
DDT	985457	20.286
DDD	27636	19.839
DDE	578	19.322
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
28214	1013671	2.78

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035349.D
Acq On : 27 Nov 2024 14:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 28 04:07:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 28 04:07:30 2024
Response via : Initial Calibration



TIC: BN035349.D\data.ms

(70) Pentachlorophenol (C)

16.392min (0.000) 27794.31 ng

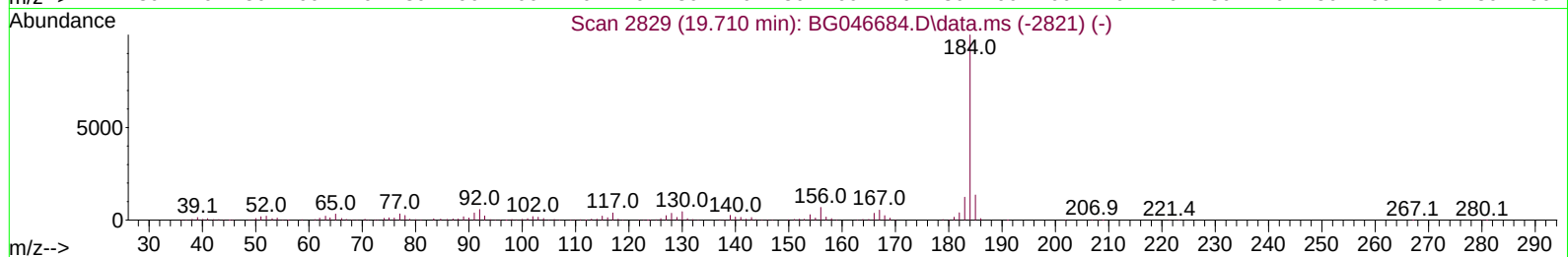
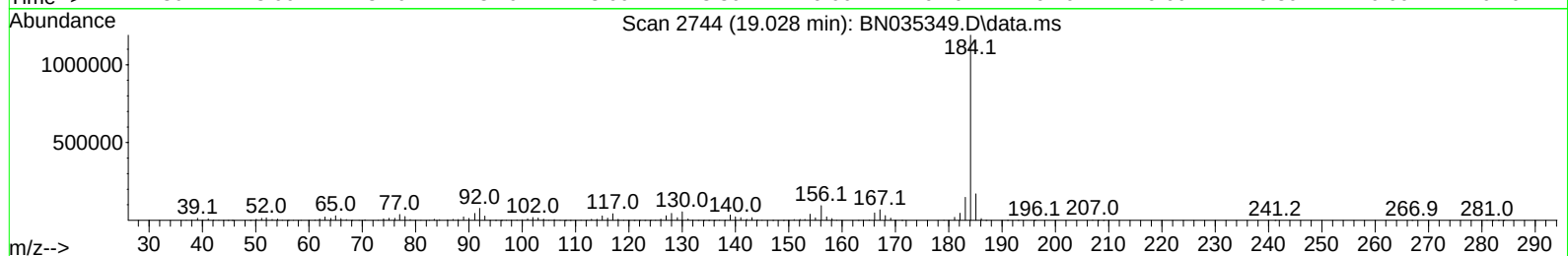
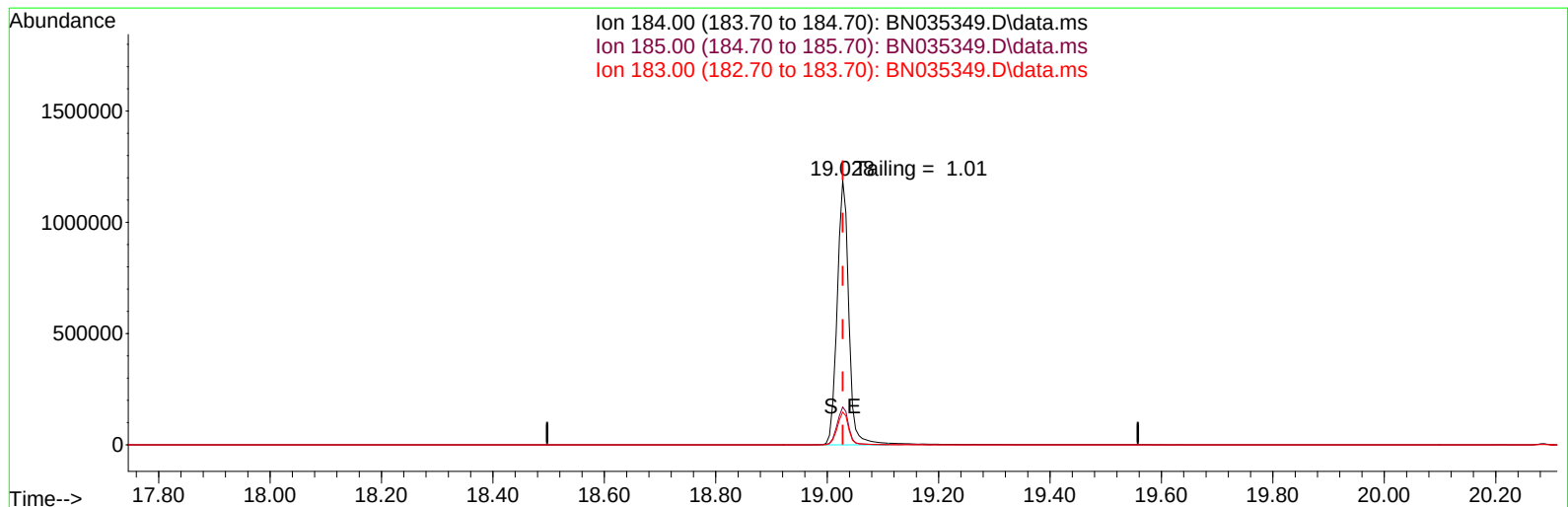
response 398074

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	65.68
264.00	61.60	62.66
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035349.D
Acq On : 27 Nov 2024 14:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 28 04:07:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 28 04:07:30 2024
Response via : Initial Calibration



TIC: BN035349.D\data.ms

(77) Benzidine

19.028min (0.000) 0.00 ng

response 1733630

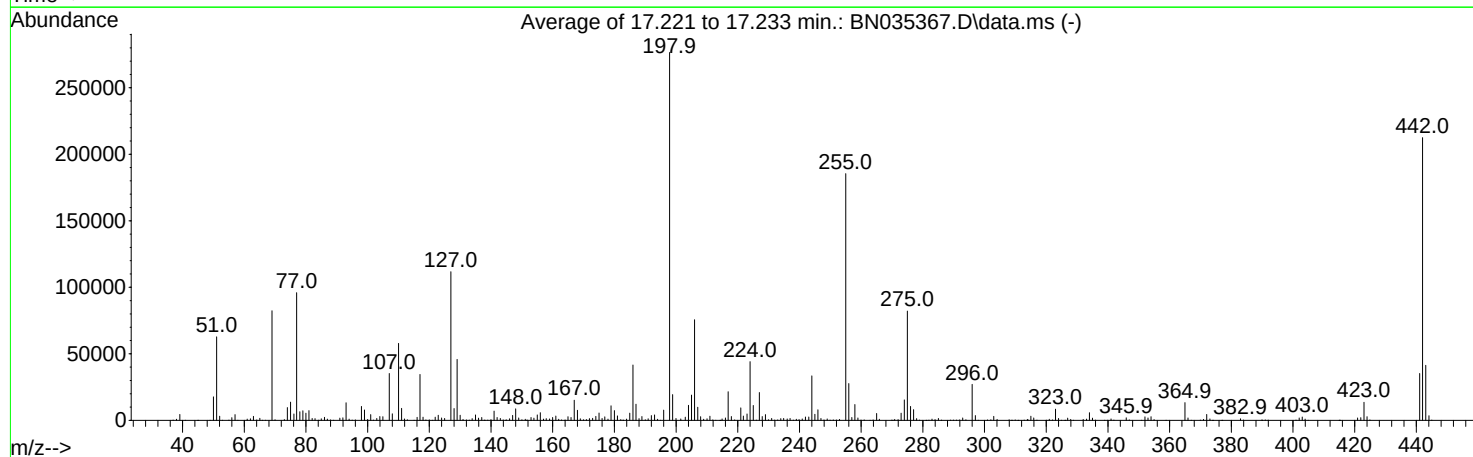
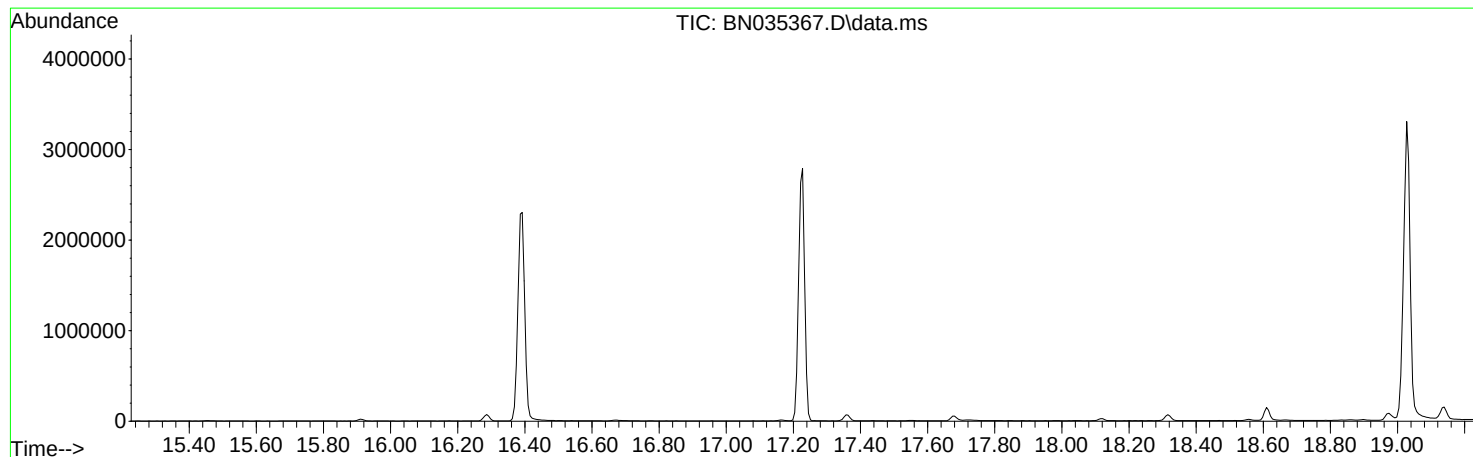
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.34
183.00	13.20	12.42
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035367.D
Acq On : 28 Nov 2024 03:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 27 23:03:24 2024



AutoFind: Scans 2437, 2438, 2439; Background Corrected with Scan 2430

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	22.7	62763	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	29.8	82437	PASS
70	69	0.00	2	0.6	527	PASS
127	198	10	80	40.4	111765	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	276480	PASS
199	198	5	9	7.0	19405	PASS
275	198	10	60	29.7	82176	PASS
365	198	1	100	4.8	13390	PASS
441	198	0.01	100	12.8	35299	PASS
442	442	50	100	100.0	212459	PASS
443	442	15	24	19.5	41341	PASS

DDT Breakdown

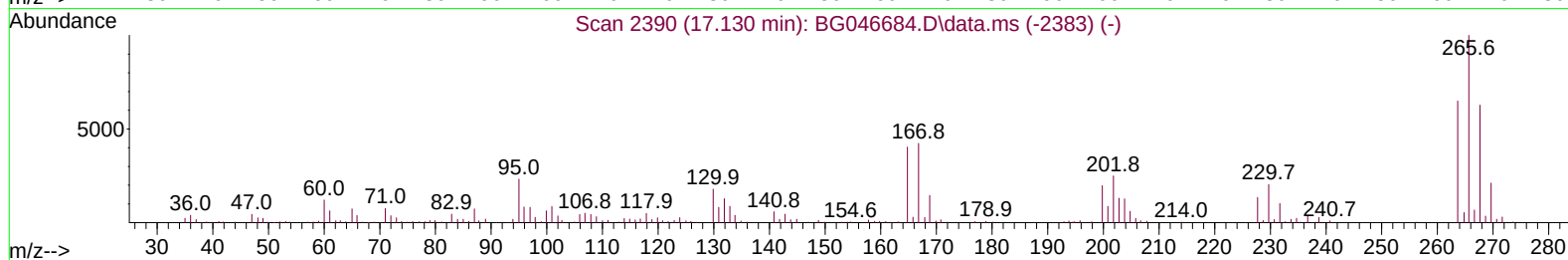
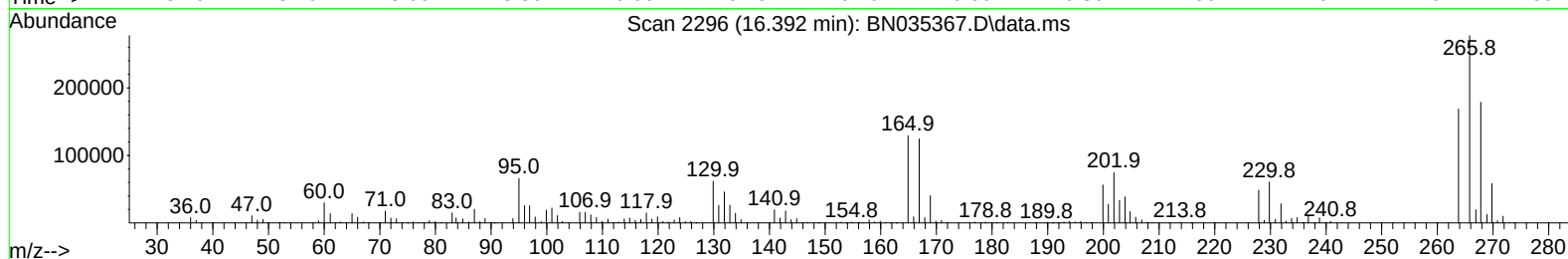
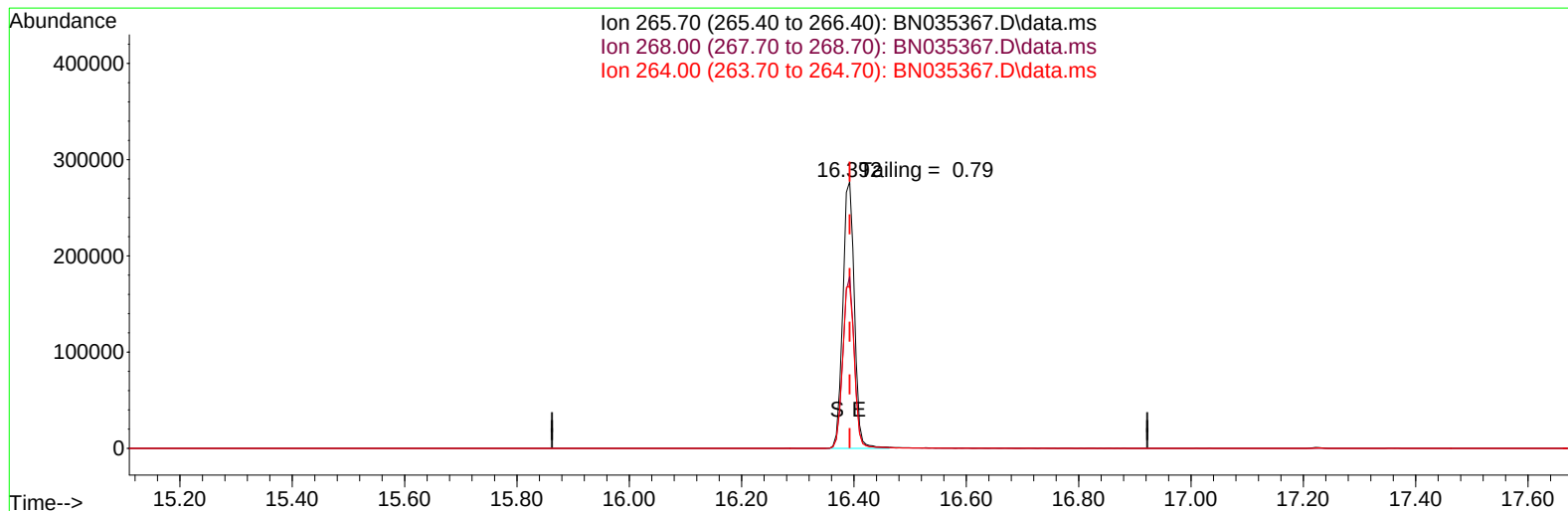
Date	Instrument Name	DFTPP Data File
11/27/2024	BNA_N	<u>BN035367.D</u>
Compound Name	Response	Retention Time
DDT	921975	20.286
DDD	39072	19.833
DDE	1586	19.381
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
40658	962633	4.22

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035367.D
Acq On : 28 Nov 2024 03:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 28 04:09:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 28 04:07:30 2024
Response via : Initial Calibration



TIC: BN035367.D\data.ms

(70) Pentachlorophenol (C)

16.392min (-0.000) 27424.47 ng

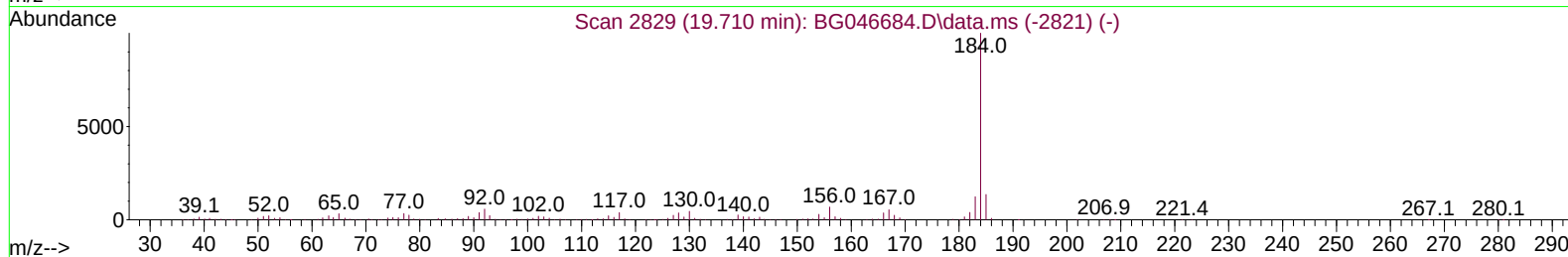
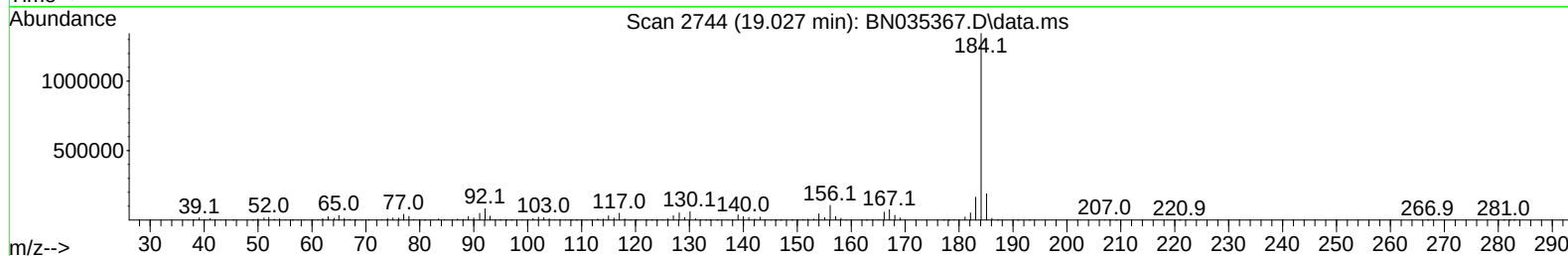
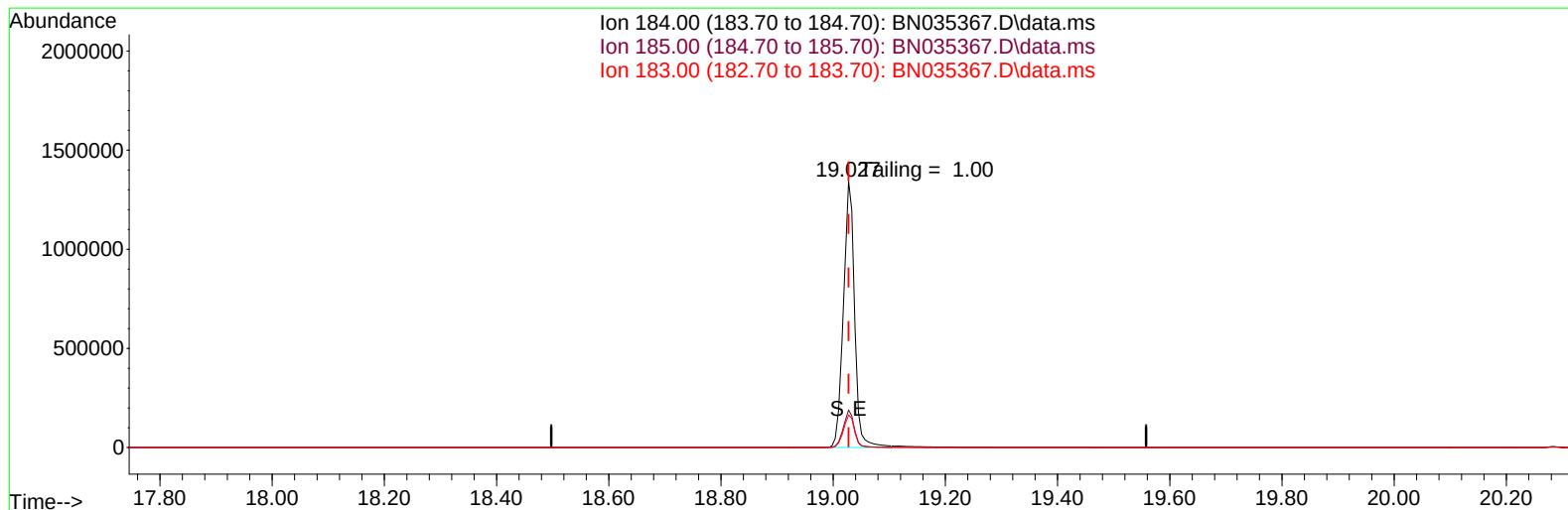
response 398588

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	64.43
264.00	61.60	60.80
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035367.D
Acq On : 28 Nov 2024 03:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 28 04:09:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 28 04:07:30 2024
Response via : Initial Calibration



TIC: BN035367.D\data.ms

(77) Benzidine

19.027min (-0.000) 0.00 ng

response 1887713

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.10
183.00	13.20	12.25
0.00	0.00	0.00

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	PB165198BL	SDG No.:	P4959
Lab Sample ID:	PB165198BL	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035369.D	1	11/22/24 12:25	11/28/24 05:27	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.42		30 - 150		104%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		98%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		58 - 132		122%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2540	7.308				
1146-65-2	Naphthalene-d8	6380	10.063				
15067-26-2	Acenaphthene-d10	4630	13.967				
1517-22-2	Phenanthrene-d10	11700	16.735				
1719-03-5	Chrysene-d12	10700	20.974				
1520-96-3	Perylene-d12	11500	23.07				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035369.D
 Acq On : 28 Nov 2024 05:27
 Operator : RC/JU
 Sample : PB165198BL
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB165198BL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/29/2024
 Supervised By :mohammad ahmed 11/29/2024

Quant Time: Nov 28 06:27:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2540	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	6378	0.400	ng	# 0.01
13) Acenaphthene-d10	13.967	164	4630	0.400	ng	0.00
19) Phenanthrene-d10	16.735	188	11721	0.400	ng	0.00
29) Chrysene-d12	20.974	240	10667	0.400	ng	0.00
35) Perylene-d12	23.070	264	11480	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	2145	0.337	ng	0.00
5) Phenol-d6	6.513	99	2450	0.320	ng	0.00
8) Nitrobenzene-d5	8.440	82	1446m	0.371	ng	0.00
11) 2-Methylnaphthalene-d10	11.661	152	4167	0.417	ng	0.00
14) 2,4,6-Tribromophenol	15.485	330	675	0.205	ng	0.01
15) 2-Fluorobiphenyl	12.579	172	6893	0.394	ng	0.00
27) Fluoranthene-d10	18.784	212	13454	0.405	ng	0.00
31) Terphenyl-d14	19.412	244	10274	0.488	ng	0.00

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

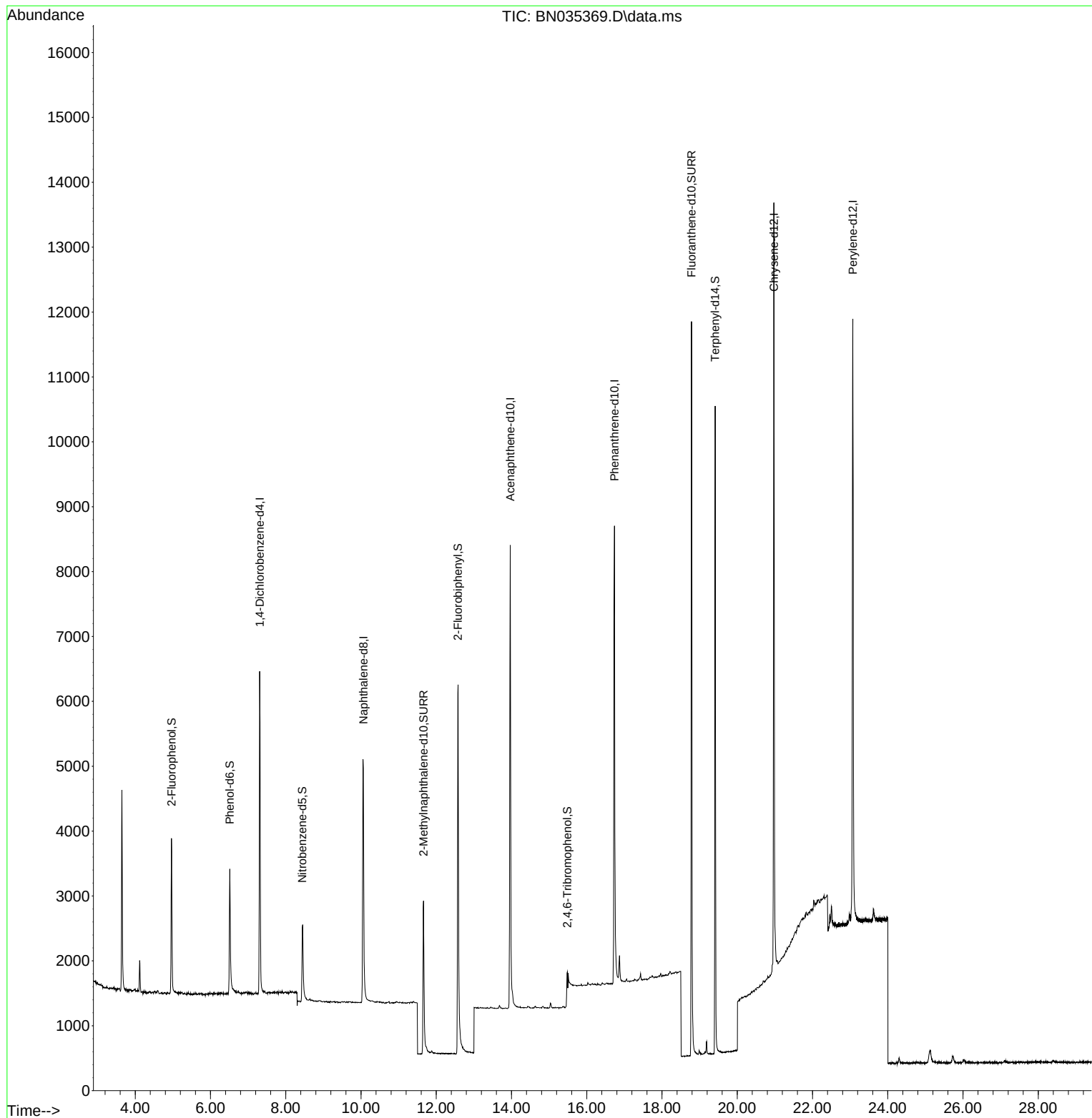
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035369.D
Acq On : 28 Nov 2024 05:27
Operator : RC/JU
Sample : PB165198BL
Misc :
ALS Vial : 23 Sample Multiplier: 1

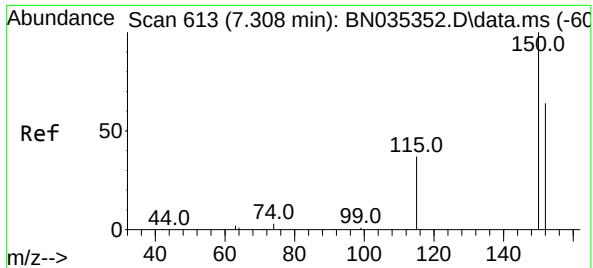
Instrument :
BNA_N
ClientSampleId :
PB165198BL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024

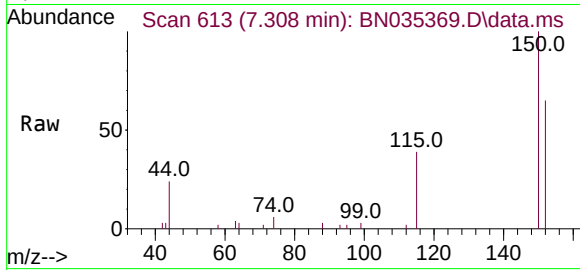
Quant Time: Nov 28 06:27:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 613
Delta R.T. -0.000 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

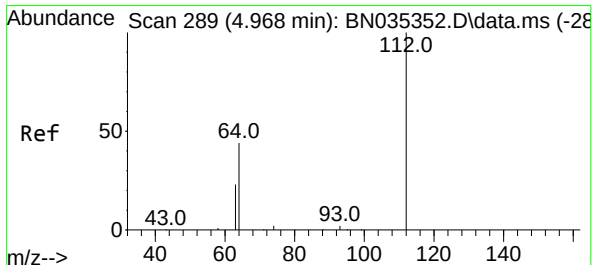
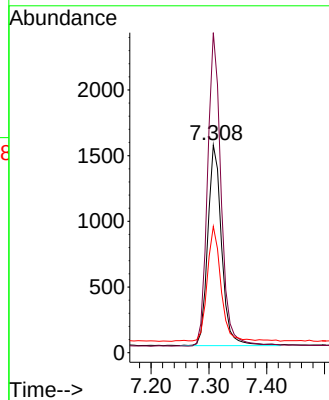
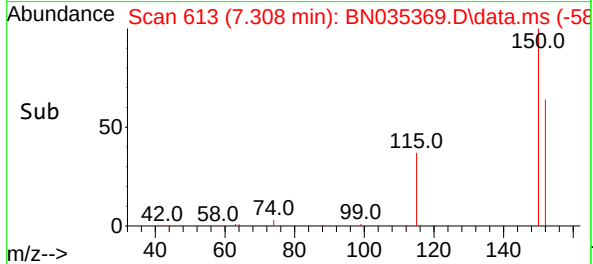
Instrument :
BNA_N
ClientSampleId :
PB165198BL



Tgt Ion:152 Resp: 2540
Ion Ratio Lower Upper
152 100
150 154.1 124.0 186.0
115 60.8 49.6 74.4

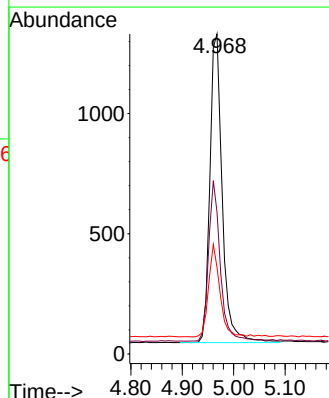
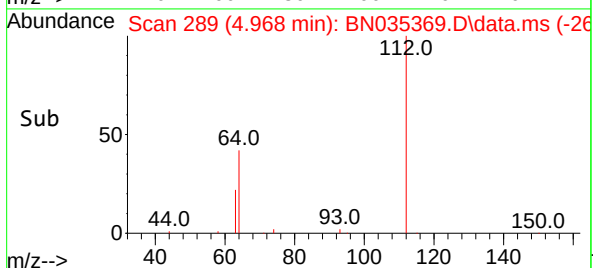
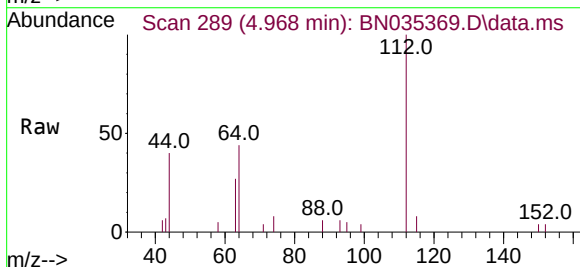
Manual Integrations
APPROVED

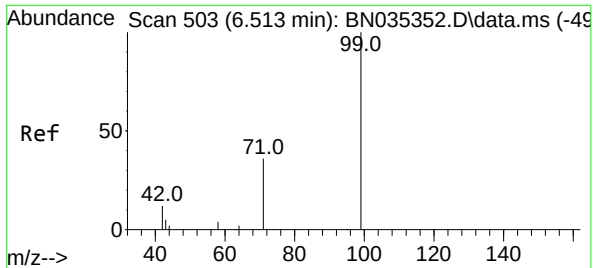
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#4
2-Fluorophenol
Concen: 0.337 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

Tgt Ion:112 Resp: 2145
Ion Ratio Lower Upper
112 100
64 49.6 39.8 59.8
63 27.3 21.0 31.6





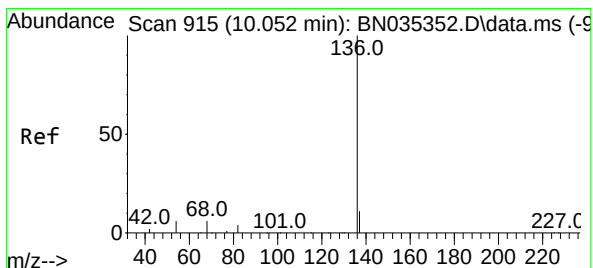
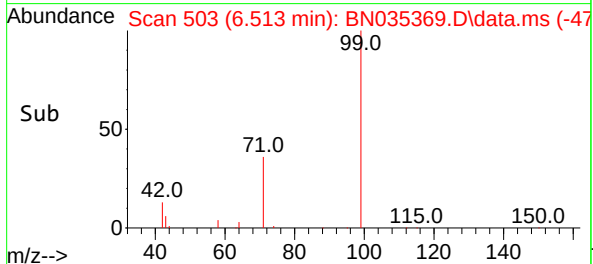
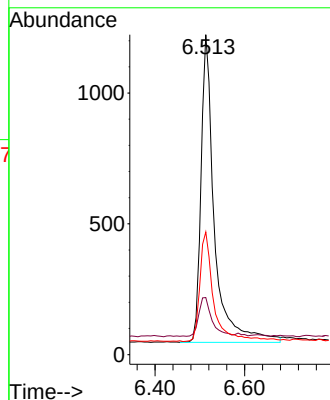
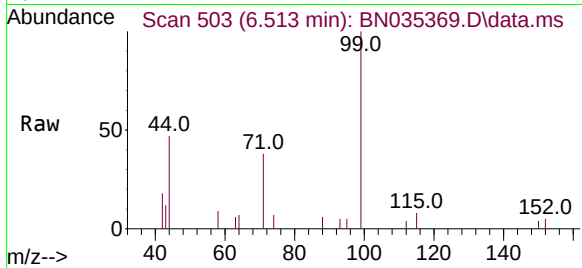
#5
Phenol-d6
Concen: 0.320 ng
RT: 6.513 min Scan# 503
Delta R.T. -0.000 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

Instrument :
BNA_N
ClientSampleId :
PB165198BL

Tgt Ion: 99 Resp: 2450
Ion Ratio Lower Upper
99 100
42 12.3 11.4 17.2
71 37.2 29.3 43.9

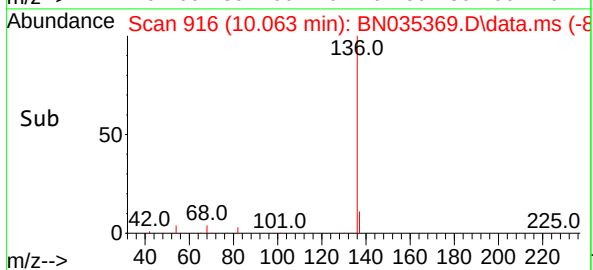
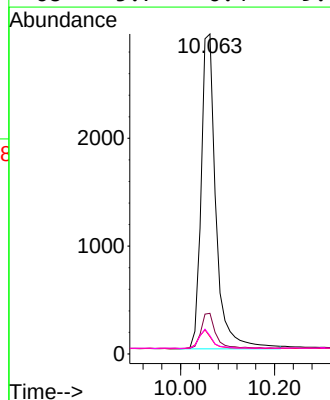
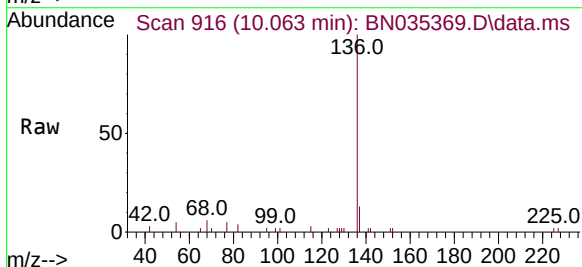
Manual Integrations
APPROVED

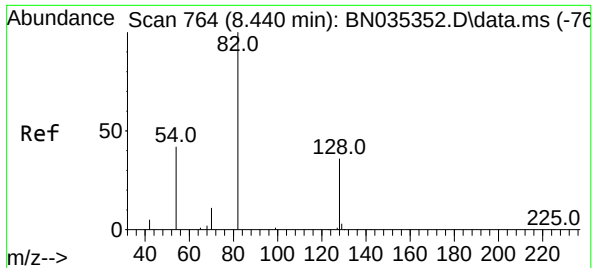
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. 0.011 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

Tgt Ion:136 Resp: 6378
Ion Ratio Lower Upper
136 100
137 12.7 10.2 15.2
54 5.4 6.1 9.1#
68 5.7 6.4 9.6#





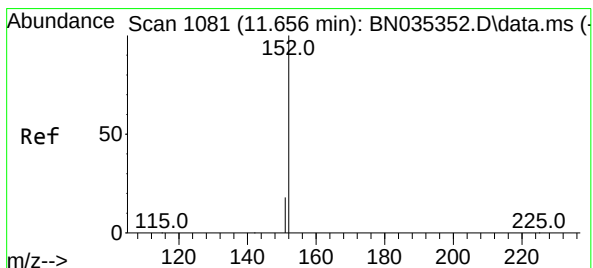
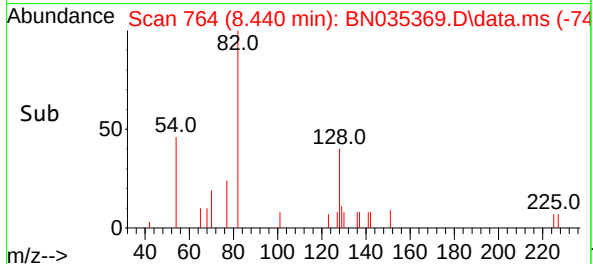
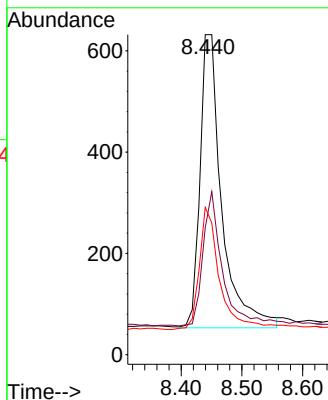
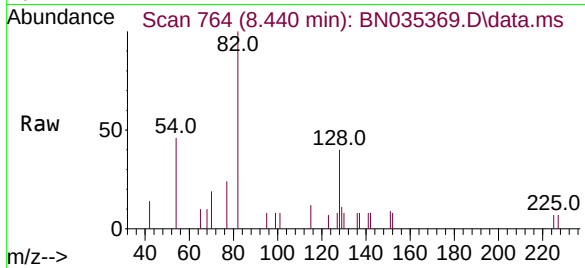
#8
Nitrobenzene-d5
Concen: 0.371 ng m
RT: 8.440 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

Instrument :
BNA_N
ClientSampleId :
PB165198BL

Tgt Ion: 82 Resp: 1440
Ion Ratio Lower Upper
82 100
128 39.7 33.4 50.0
54 46.0 36.7 55.1

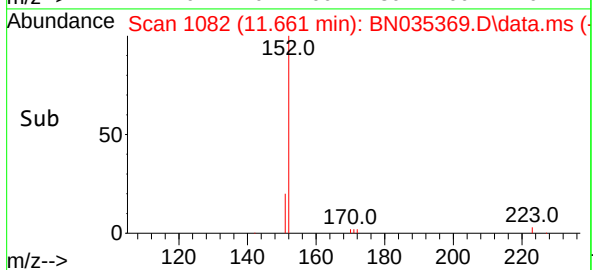
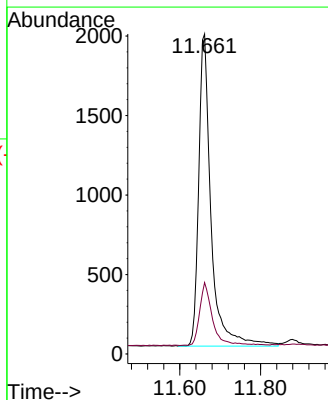
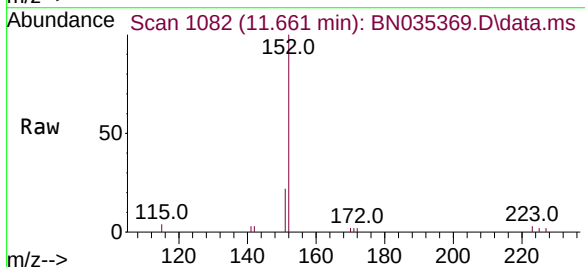
Manual Integrations
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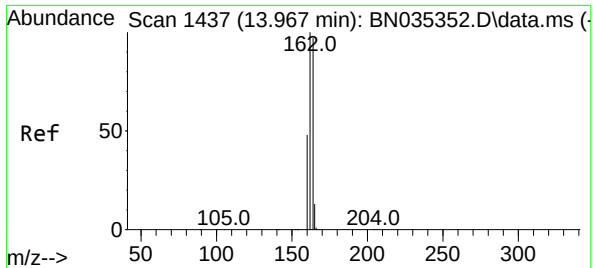
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#11
2-Methylnaphthalene-d10
Concen: 0.417 ng
RT: 11.661 min Scan# 1082
Delta R.T. 0.005 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

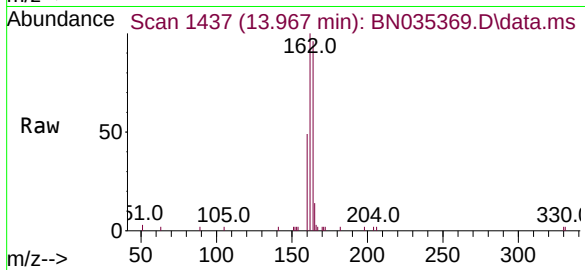
Tgt Ion:152 Resp: 4167
Ion Ratio Lower Upper
152 100
151 19.9 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

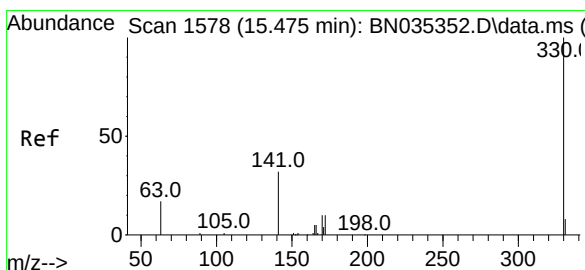
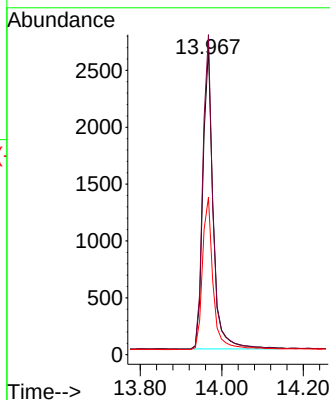
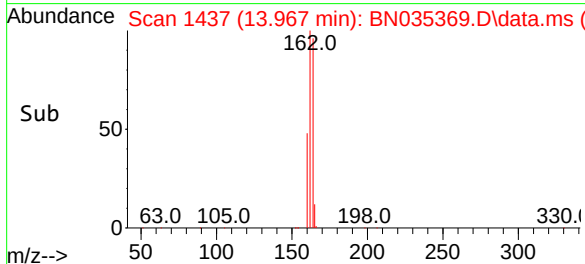
Instrument :
BNA_N
ClientSampleId :
PB165198BL



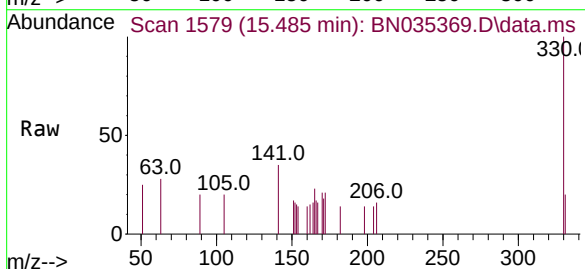
Tgt Ion:164 Resp: 4630
Ion Ratio Lower Upper
164 100
162 104.4 82.2 123.2
160 51.4 40.1 60.1

Manual Integrations
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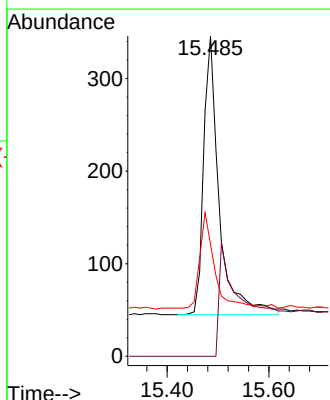
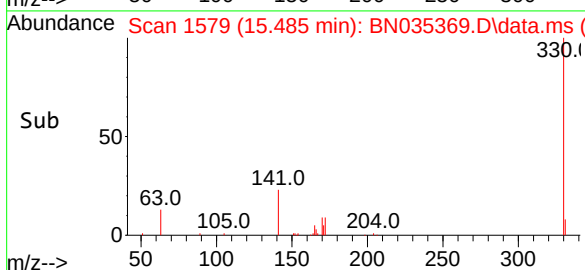
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024

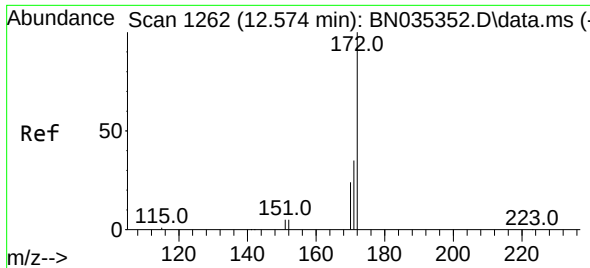


#14
2,4,6-Tribromophenol
Concen: 0.205 ng
RT: 15.485 min Scan# 1579
Delta R.T. 0.011 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27



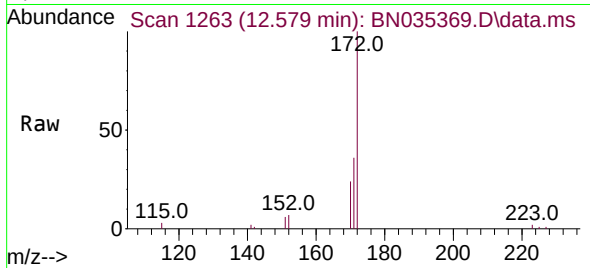
Tgt Ion:330 Resp: 675
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.8 26.6 40.0





#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 12.579 min Scan# 1262
Delta R.T. 0.005 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

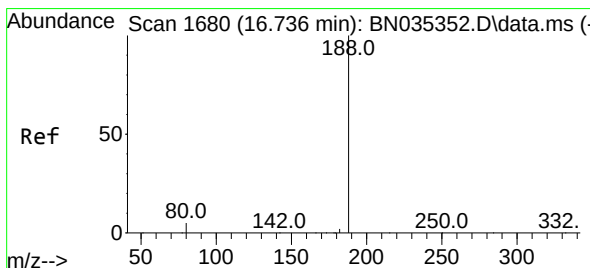
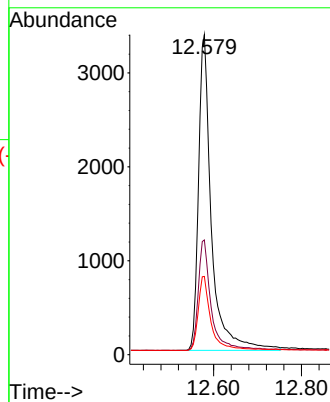
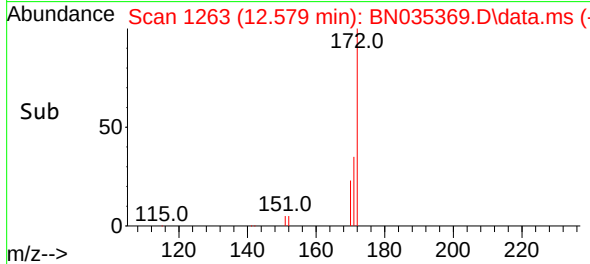
Instrument :
BNA_N
ClientSampleId :
PB165198BL



Tgt Ion:172 Resp: 689
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.4
170 24.5 19.8 29.8

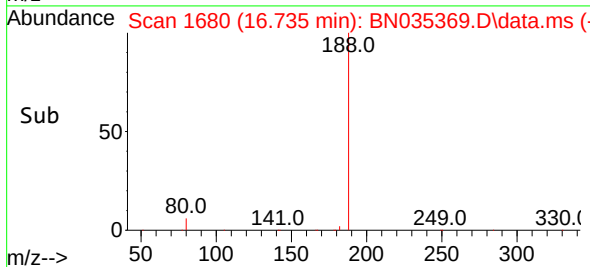
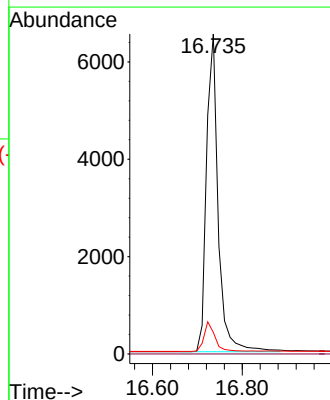
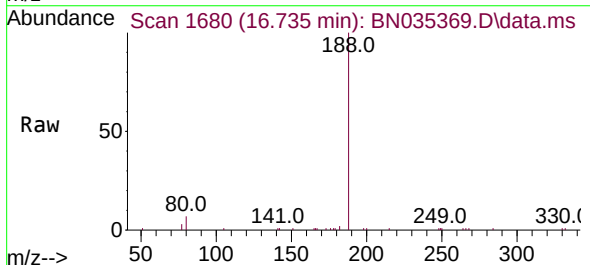
Manual Integrations
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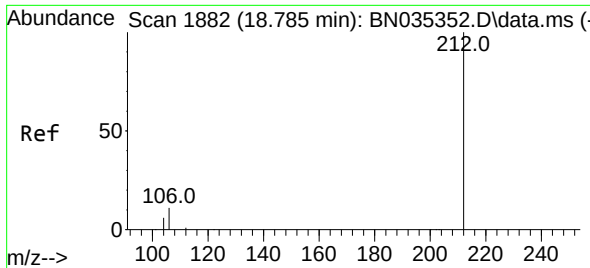
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.735 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

Tgt Ion:188 Resp: 11721
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.8 4.6 6.8





#27

Fluoranthene-d10

Concen: 0.405 ng

RT: 18.784 min Scan# 1882

Delta R.T. -0.000 min

Lab File: BN035369.D

Acq: 28 Nov 2024 05:27

Instrument :

BNA_N

ClientSampleId :

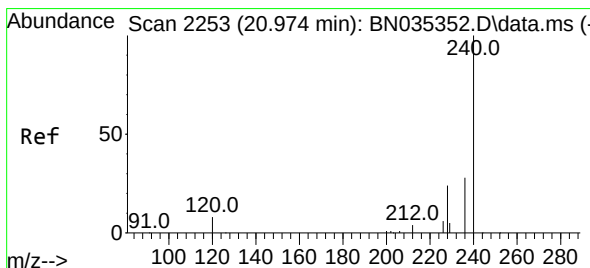
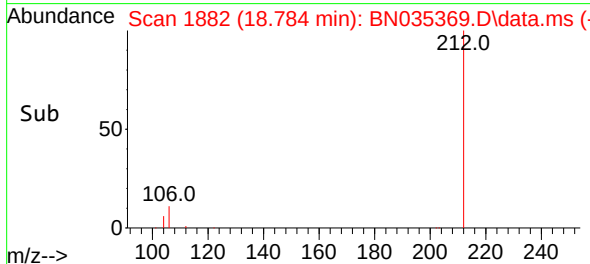
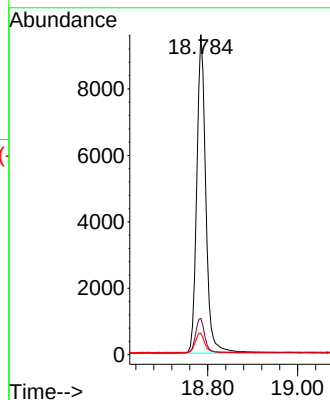
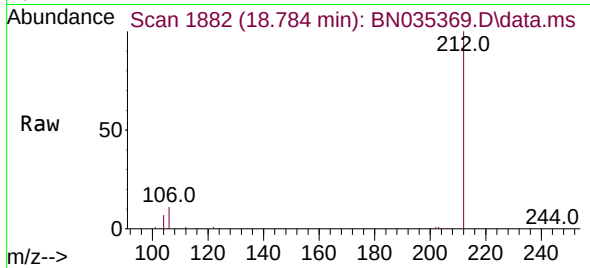
PB165198BL

Tgt Ion:	212	Resp:	1345
Ion Ratio	Lower	Upper	
212	100		
106	10.9	9.2	13.8
104	6.2	5.3	7.9

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#29

Chrysene-d12

Concen: 0.400 ng

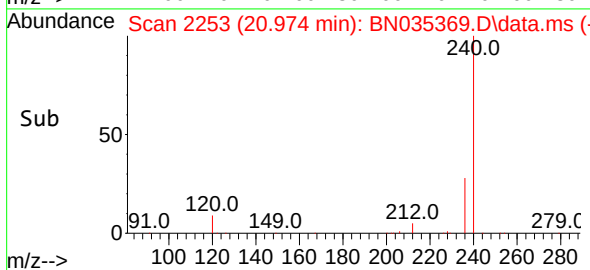
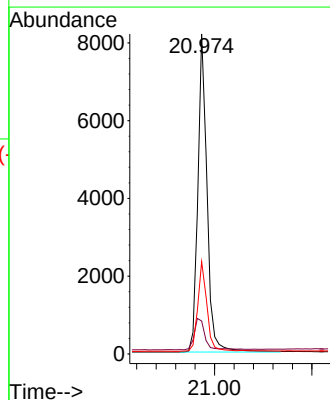
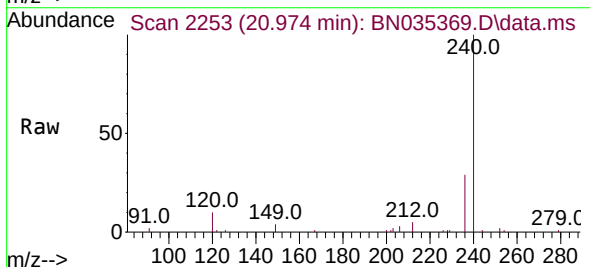
RT: 20.974 min Scan# 2253

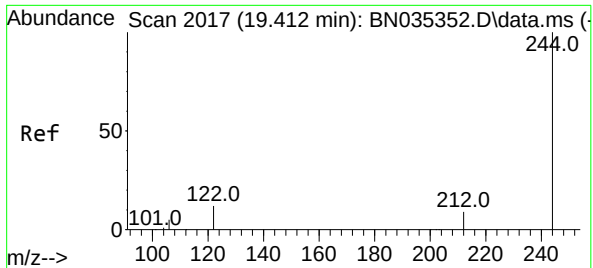
Delta R.T. -0.000 min

Lab File: BN035369.D

Acq: 28 Nov 2024 05:27

Tgt Ion:	240	Resp:	10667
Ion Ratio	Lower	Upper	
240	100		
120	10.3	7.9	11.9
236	28.8	22.9	34.3





#31
Terphenyl-d14
Concen: 0.488 ng
RT: 19.412 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

Instrument :

BNA_N

ClientSampleId :

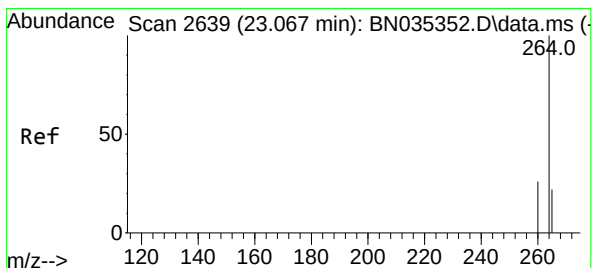
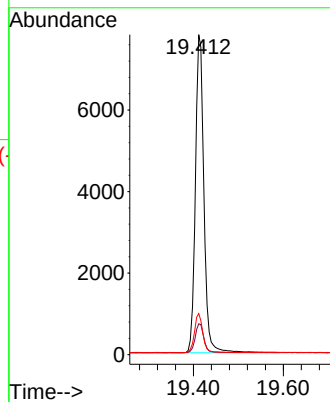
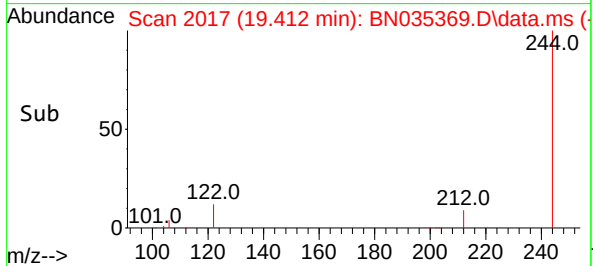
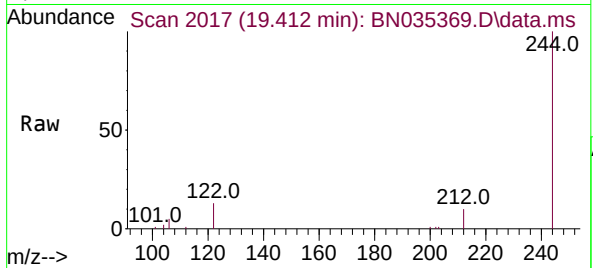
PB165198BL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.7	8.1	12.1
122	12.8	10.3	15.5

Manual Integrations

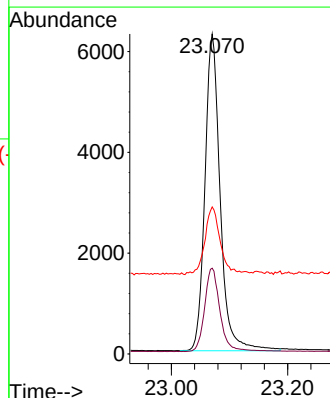
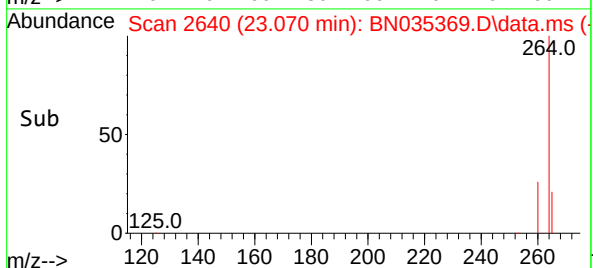
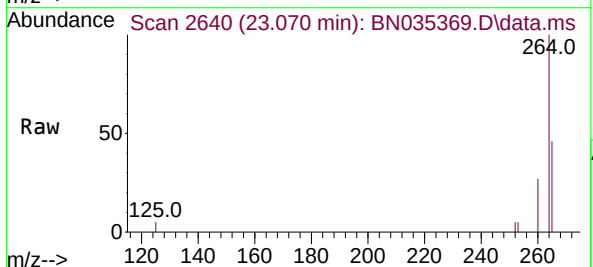
APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.070 min Scan# 2640
Delta R.T. 0.003 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.4	32.2
265	46.0	40.2	60.4



Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	PB165198BS	SDG No.:	P4959
Lab Sample ID:	PB165198BS	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035370.D	1	11/22/24 12:25	11/28/24 06:03	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.41		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.58		30 - 150		145%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 - 150		115%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.47	*	55 - 111		117%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.48	*	53 - 106		119%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		130%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2260	7.308				
1146-65-2	Naphthalene-d8	5500	10.052				
15067-26-2	Acenaphthene-d10	3690	13.967				
1517-22-2	Phenanthrene-d10	9200	16.723				
1719-03-5	Chrysene-d12	8670	20.974				
1520-96-3	Perylene-d12	8920	23.067				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035370.D
 Acq On : 28 Nov 2024 06:03
 Operator : RC/JU
 Sample : PB165198BS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB165198BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/29/2024
 Supervised By :mohammad ahmed 11/29/2024

Quant Time: Nov 28 06:28:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2262	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5496	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	3686	0.400	ng	0.00
19) Phenanthrene-d10	16.723	188	9203	0.400	ng	#-0.01
29) Chrysene-d12	20.974	240	8666	0.400	ng	0.00
35) Perylene-d12	23.067	264	8924	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	2290	0.405	ng	0.00
5) Phenol-d6	6.513	99	2626	0.386	ng	0.00
8) Nitrobenzene-d5	8.440	82	1569m	0.467	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	4975	0.578	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	735	0.281	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	6624	0.475	ng	0.00
27) Fluoranthene-d10	18.785	212	11970	0.459	ng	0.00
31) Terphenyl-d14	19.412	244	8912	0.521	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.996	88	876	0.405	ng	# 74
3) n-Nitrosodimethylamine	3.292	42	799	0.444	ng	# 91
6) bis(2-Chloroethyl)ether	6.759	93	2447	0.428	ng	100
9) Naphthalene	10.105	128	6241	0.431	ng	100
10) Hexachlorobutadiene	10.404	225	1469	0.439	ng	# 99
12) 2-Methylnaphthalene	11.732	142	4378	0.422	ng	98
16) Acenaphthylene	13.679	152	7040	0.455	ng	99
17) Acenaphthene	14.021	154	4456	0.434	ng	100
18) Fluorene	15.026	166	6228	0.423	ng	100
20) 4,6-Dinitro-2-methylph...	15.122	198	411	0.454	ng	91
21) 4-Bromophenyl-phenylether	15.941	248	2303	0.428	ng	97
22) Hexachlorobenzene	16.041	284	2710	0.429	ng	99
23) Atrazine	16.227	200	1548	0.404	ng	98
24) Pentachlorophenol	16.388	266	950	0.345	ng	87
25) Phenanthrene	16.773	178	11082	0.438	ng	100
26) Anthracene	16.860	178	10144	0.444	ng	100
28) Fluoranthene	18.813	202	13705	0.402	ng	100
30) Pyrene	19.180	202	14204	0.444	ng	100
32) Benzo(a)anthracene	20.956	228	13138	0.433	ng	100
33) Chrysene	21.010	228	14112	0.451	ng	99
34) Bis(2-ethylhexyl)phtha...	20.929	149	4912	0.410	ng	100
36) Indeno(1,2,3-cd)pyrene	25.108	276	15213	0.436	ng	99
37) Benzo(b)fluoranthene	22.453	252	16020	0.491	ng	99
38) Benzo(k)fluoranthene	22.494	252	14448	0.450	ng	99
39) Benzo(a)pyrene	22.977	252	12434	0.462	ng	99
40) Dibenzo(a,h)anthracene	25.123	278	11913	0.433	ng	99
41) Benzo(g,h,i)perylene	25.719	276	11556	0.402	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035370.D
 Acq On : 28 Nov 2024 06:03
 Operator : RC/JU
 Sample : PB165198BS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

PB165198BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024

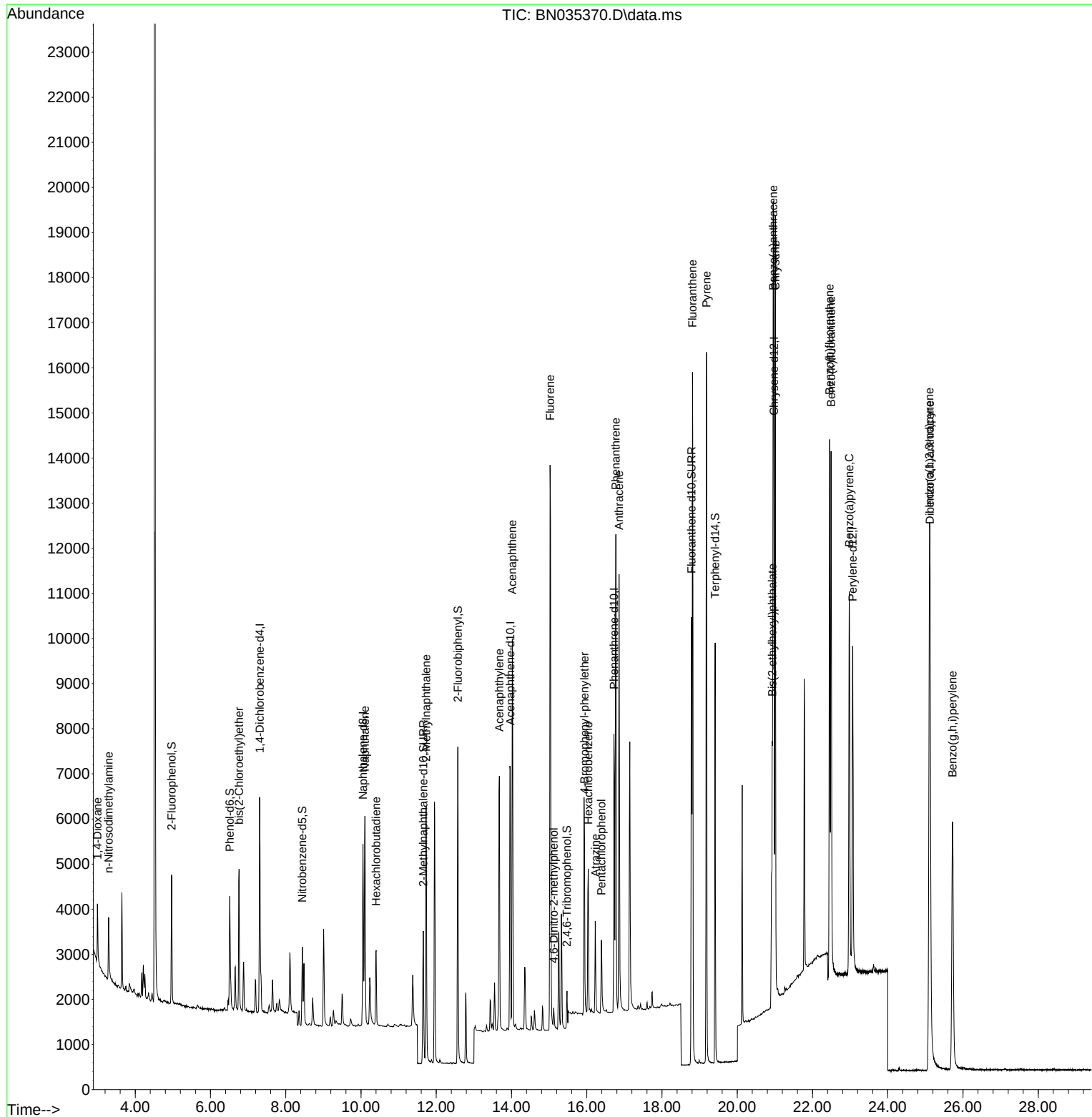
Quant Time: Nov 28 06:28:21 2024

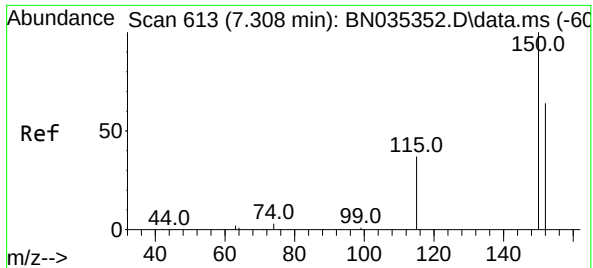
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 27 23:03:24 2024

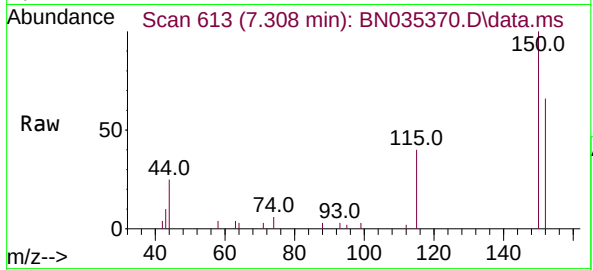
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

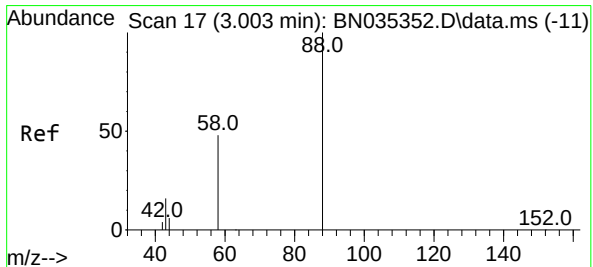
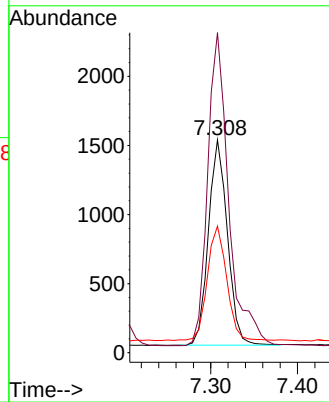
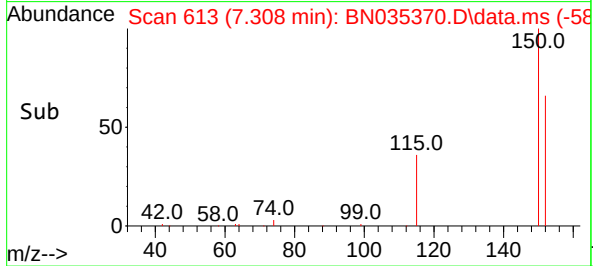
Instrument :
BNA_N
ClientSampleId :
PB165198BS



Tgt Ion:152 Resp: 226
Ion Ratio Lower Upper
152 100
150 150.4 124.0 186.0
115 59.5 49.6 74.4

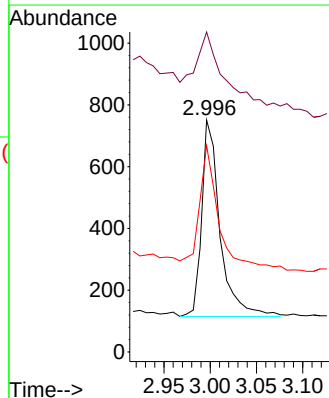
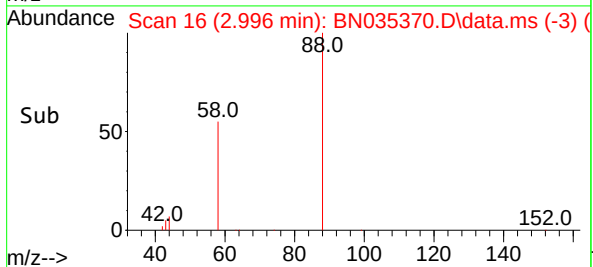
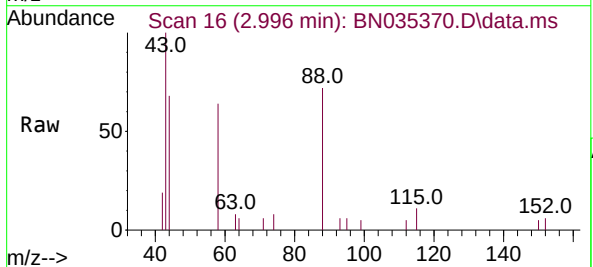
Manual Integrations
APPROVED

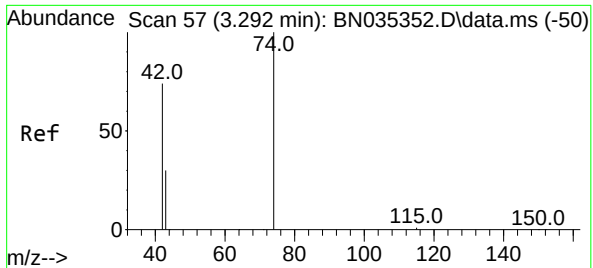
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#2
1,4-Dioxane
Concen: 0.405 ng
RT: 2.996 min Scan# 16
Delta R.T. -0.007 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

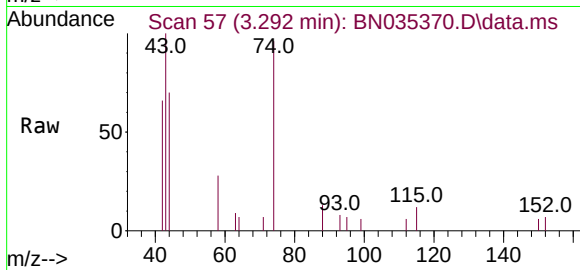
Tgt Ion: 88 Resp: 876
Ion Ratio Lower Upper
88 100
43 58.3 17.2 25.8#
58 59.7 44.5 66.7





#3
n-Nitrosodimethylamine
Concen: 0.444 ng
RT: 3.292 min Scan# 57
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

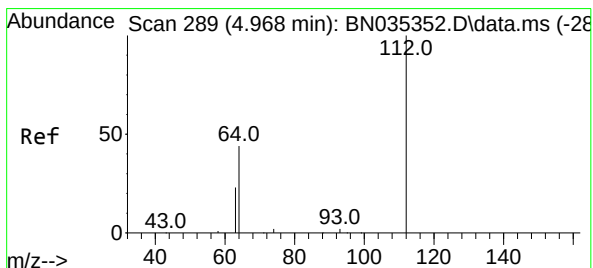
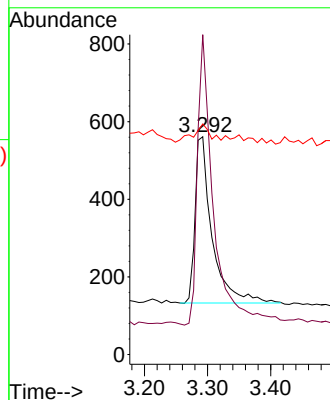
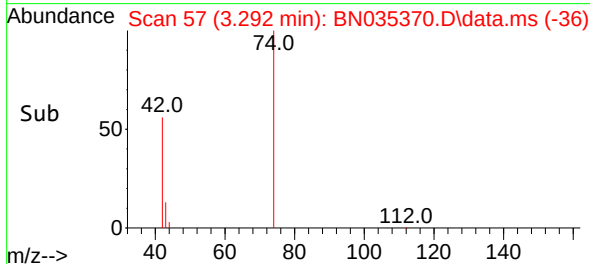
Instrument :
BNA_N
ClientSampleId :
PB165198BS



Tgt Ion: 42 Resp: 799
Ion Ratio Lower Upper
42 100
74 167.0 124.9 187.3
44 10.6 2.2 3.4

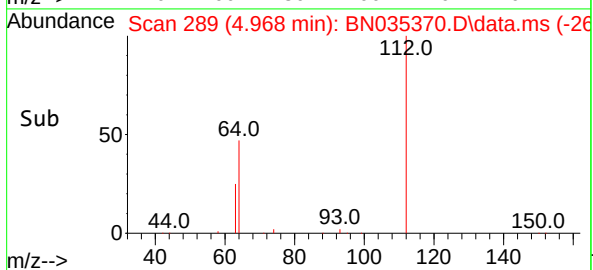
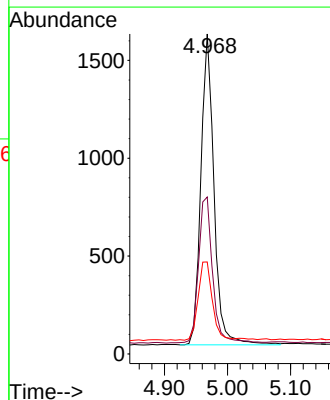
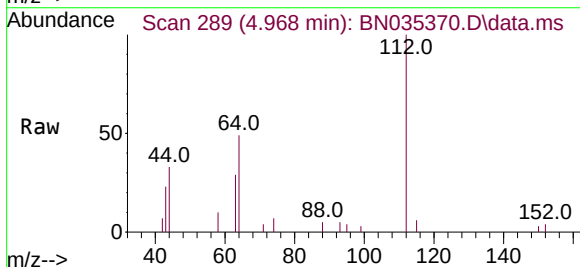
Manual Integrations
APPROVED

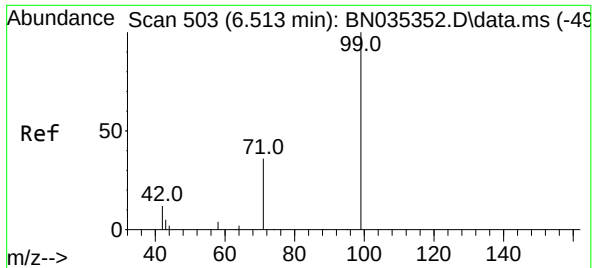
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#4
2-Fluorophenol
Concen: 0.405 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:112 Resp: 2290
Ion Ratio Lower Upper
112 100
64 50.4 39.8 59.8
63 28.0 21.0 31.6





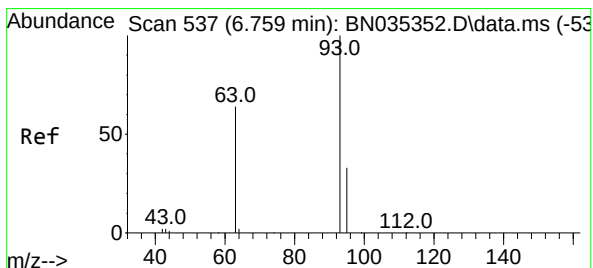
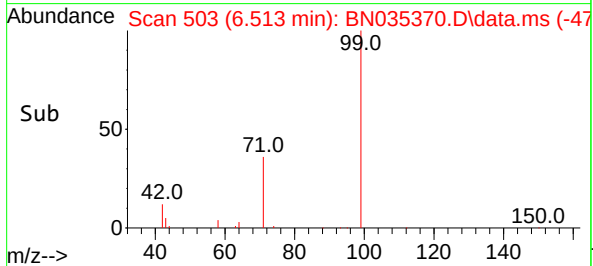
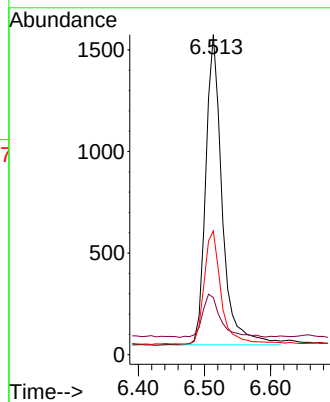
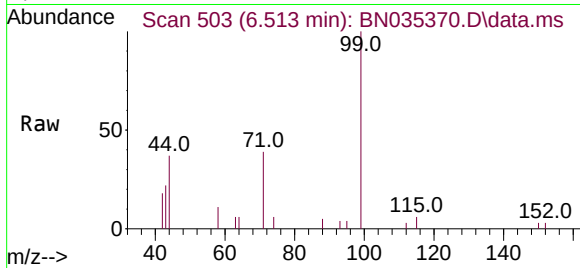
#5
Phenol-d6
Concen: 0.386 ng
RT: 6.513 min Scan# 503
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Instrument :
BNA_N
ClientSampleId :
PB165198BS

Tgt Ion: 99 Resp: 2620
Ion Ratio Lower Upper
99 100
42 15.6 11.4 17.2
71 37.5 29.3 43.9

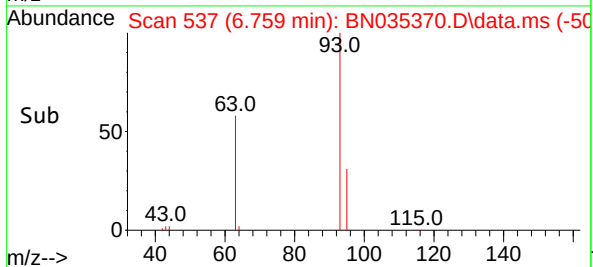
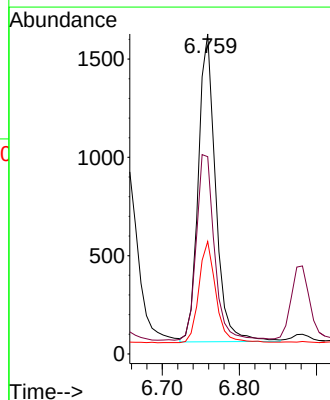
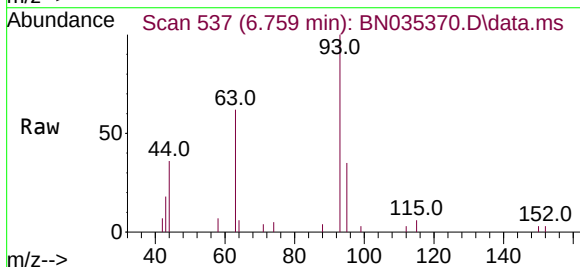
Manual Integrations
APPROVED

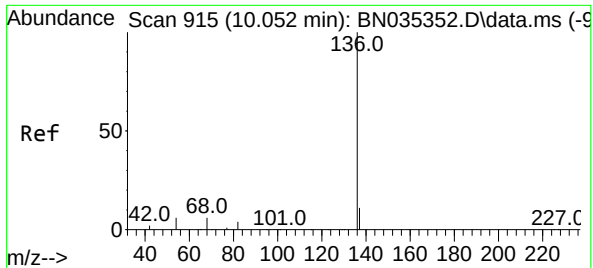
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#6
bis(2-Chloroethyl)ether
Concen: 0.428 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

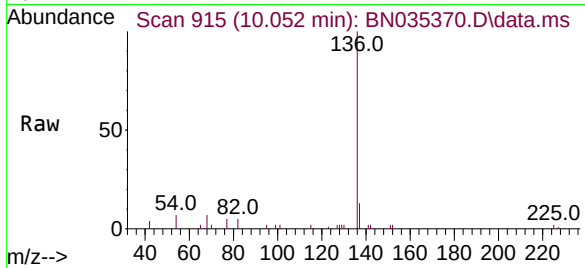
Tgt Ion: 93 Resp: 2447
Ion Ratio Lower Upper
93 100
63 63.1 50.4 75.6
95 32.0 25.7 38.5





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

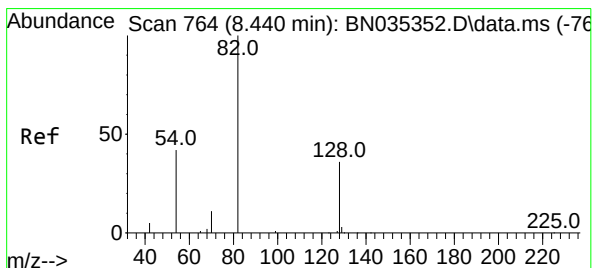
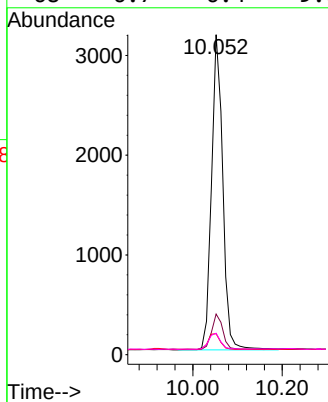
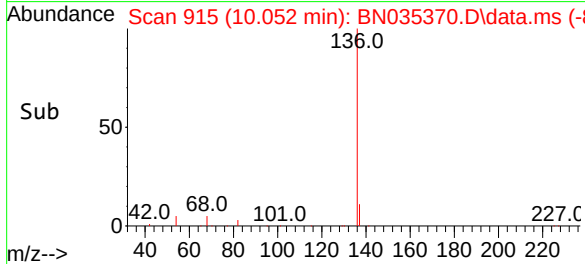
Instrument :
BNA_N
ClientSampleId :
PB165198BS



Tgt Ion: 136 Resp: 5490
Ion Ratio Lower Upper
136 100
137 12.7 10.2 15.2
54 6.6 6.1 9.1
68 6.7 6.4 9.6

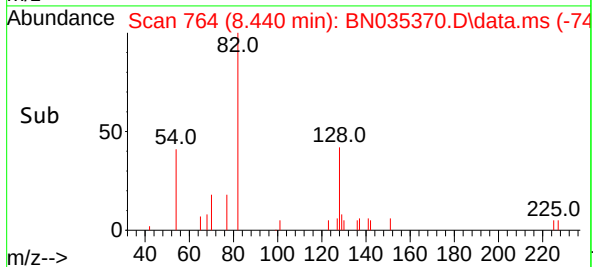
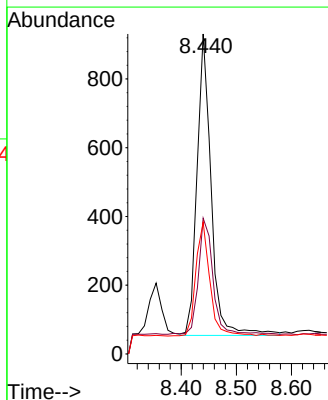
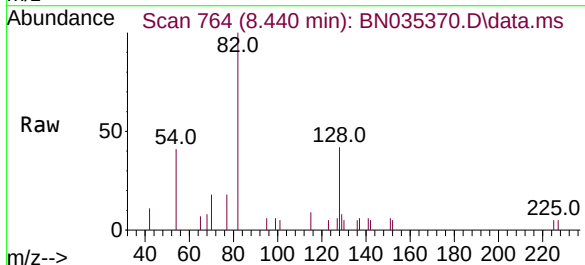
Manual Integrations
APPROVED

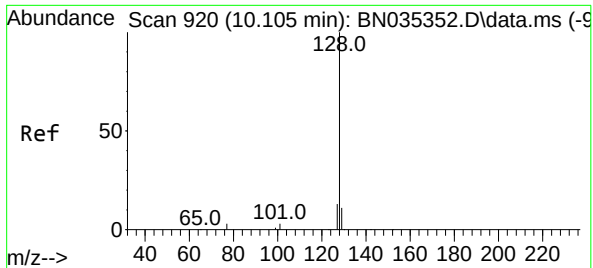
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#8
Nitrobenzene-d5
Concen: 0.467 ng m
RT: 8.440 min Scan# 764
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion: 82 Resp: 1569
Ion Ratio Lower Upper
82 100
128 42.4 33.4 50.0
54 41.1 36.7 55.1





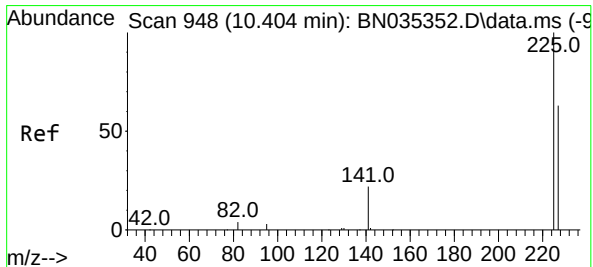
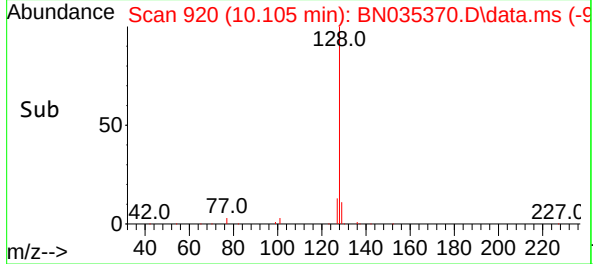
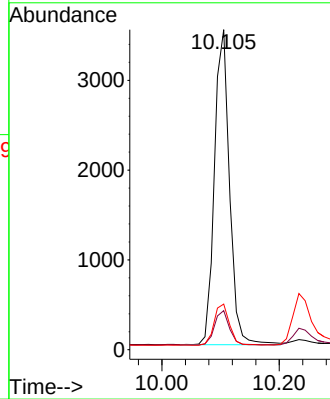
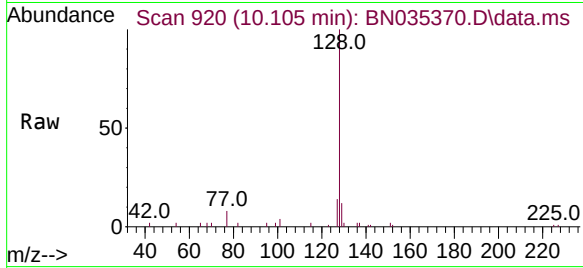
#9
Naphthalene
Concen: 0.431 ng
RT: 10.105 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Instrument :
BNA_N
ClientSampleId :
PB165198BS

Tgt Ion:128 Resp: 624
Ion Ratio Lower Upper
128 100
129 12.2 9.8 14.6
127 14.2 11.4 17.2

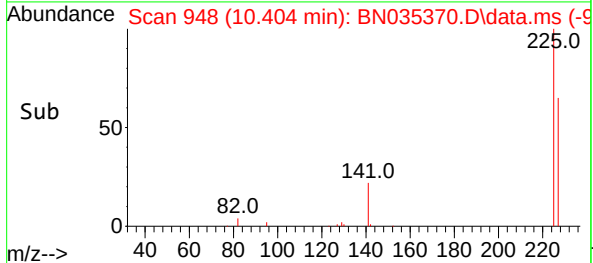
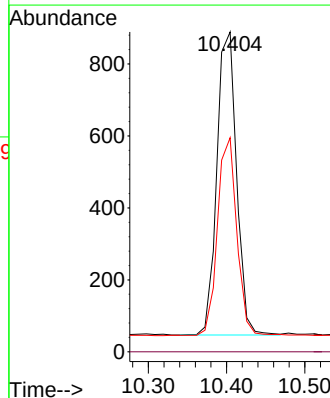
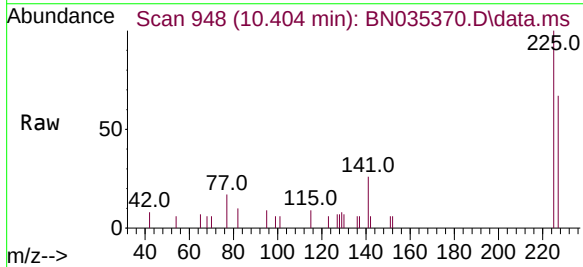
Manual Integrations
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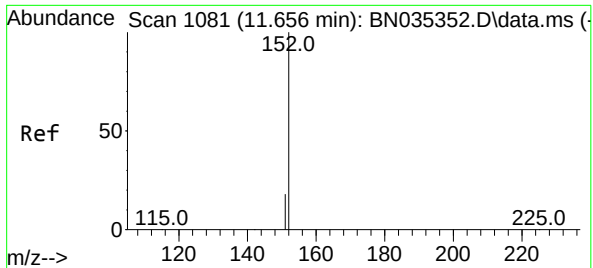
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#10
Hexachlorobutadiene
Concen: 0.439 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

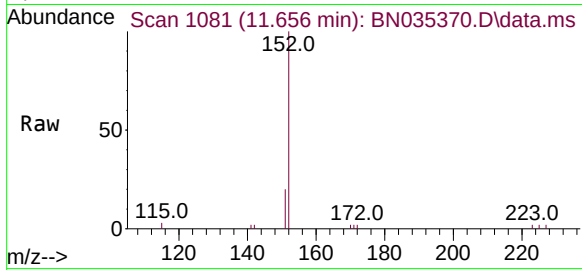
Tgt Ion:225 Resp: 1469
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.7 51.3 76.9





#11
2-Methylnaphthalene-d10
Concen: 0.578 ng
RT: 11.656 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

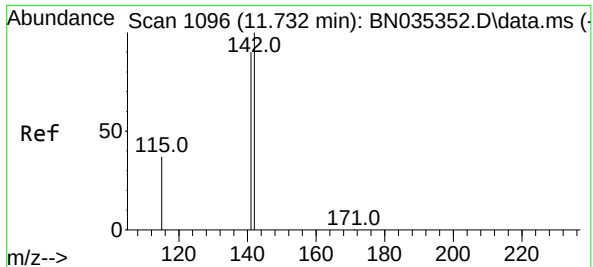
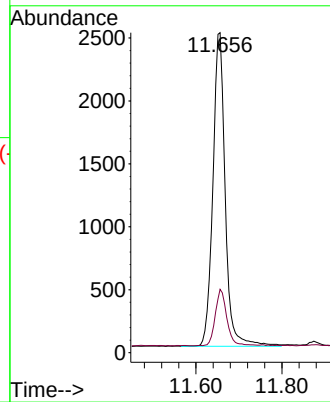
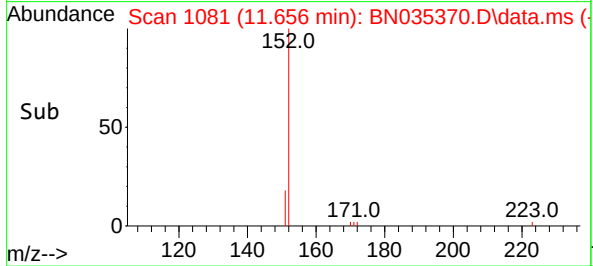
Instrument :
BNA_N
ClientSampleId :
PB165198BS



Tgt Ion:152 Resp: 4975
Ion Ratio Lower Upper
152 100
151 16.9 16.6 25.0

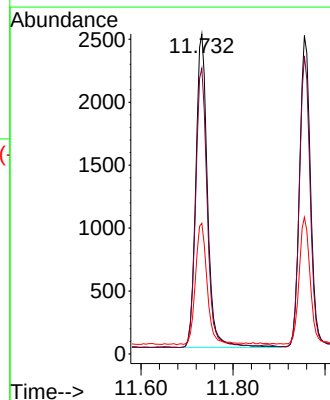
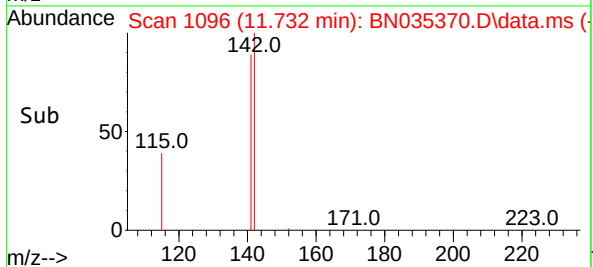
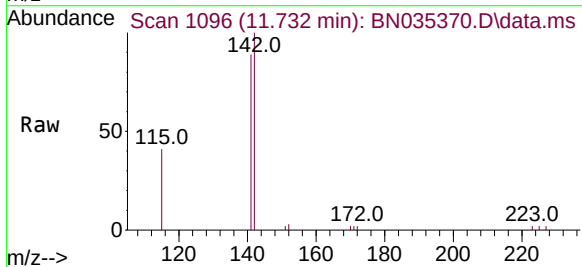
Manual Integrations
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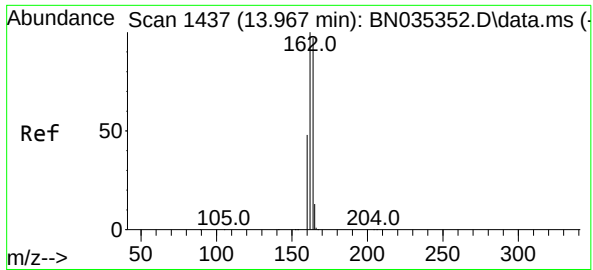
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#12
2-Methylnaphthalene
Concen: 0.422 ng
RT: 11.732 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

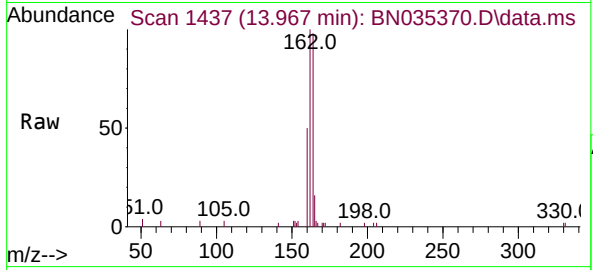
Tgt Ion:142 Resp: 4378
Ion Ratio Lower Upper
142 100
141 89.3 72.2 108.4
115 40.8 31.4 47.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

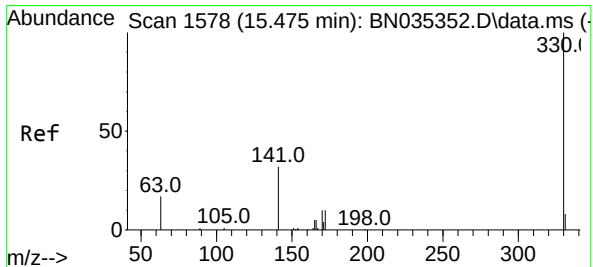
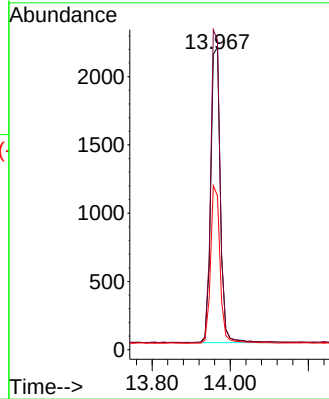
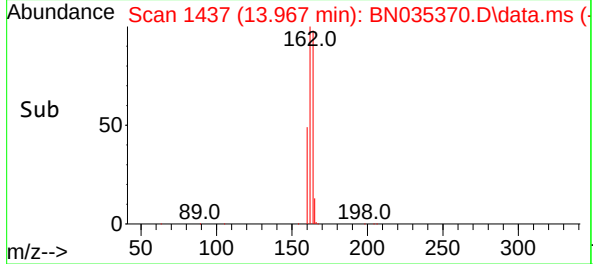
Instrument :
BNA_N
ClientSampleId :
PB165198BS



Tgt Ion:164 Resp: 3680
Ion Ratio Lower Upper
164 100
162 102.2 82.2 123.2
160 50.8 40.1 60.1

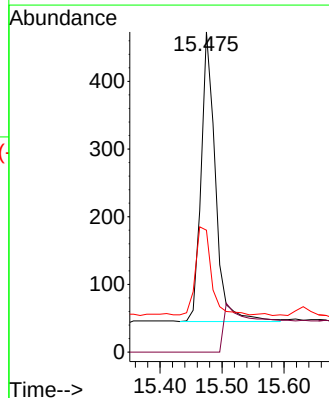
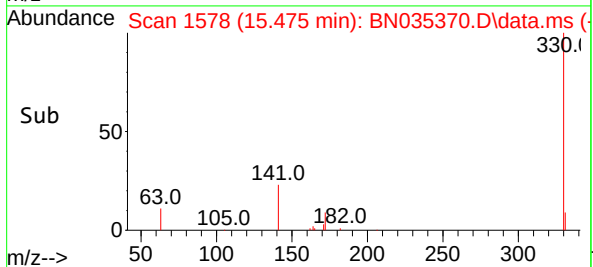
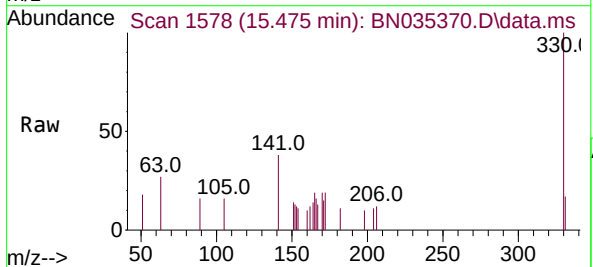
Manual Integrations
APPROVED

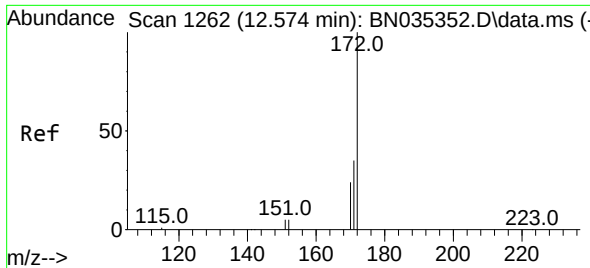
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#14
2,4,6-Tribromophenol
Concen: 0.281 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

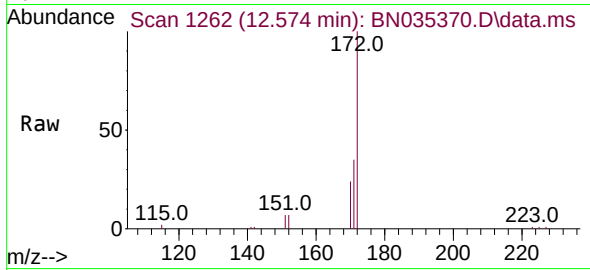
Tgt Ion:330 Resp: 735
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.6 26.6 40.0





#15
2-Fluorobiphenyl
Concen: 0.475 ng
RT: 12.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

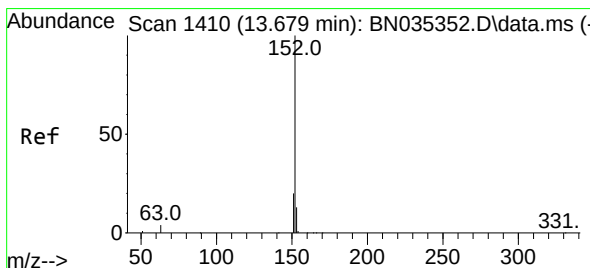
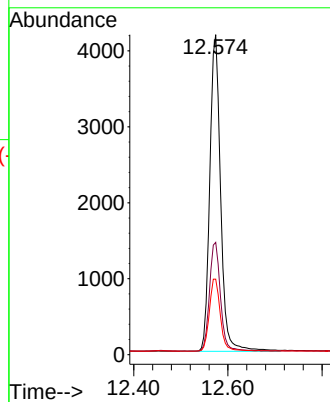
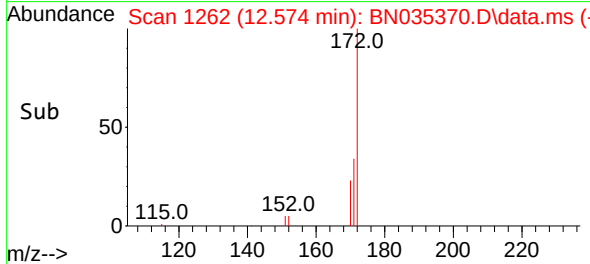
Instrument :
BNA_N
ClientSampleId :
PB165198BS



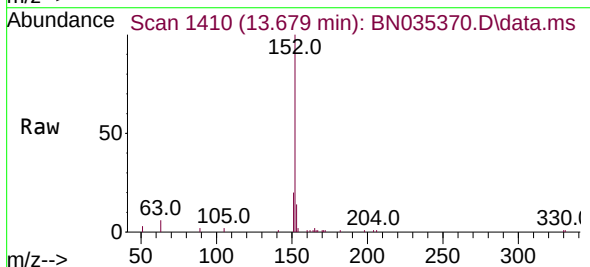
Tgt Ion:172 Resp: 6624
Ion Ratio Lower Upper
172 100
171 35.1 29.0 43.4
170 23.6 19.8 29.8

Manual Integrations
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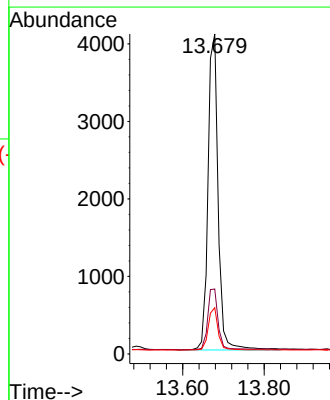
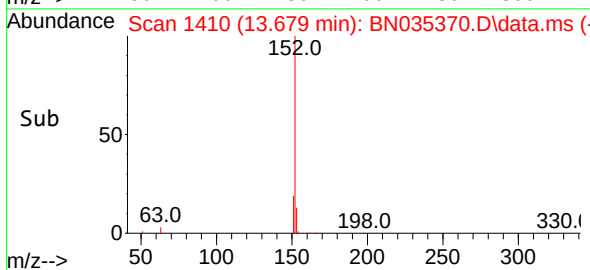
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024

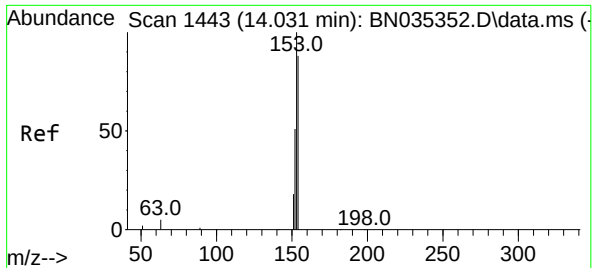


#16
Acenaphthylene
Concen: 0.455 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03



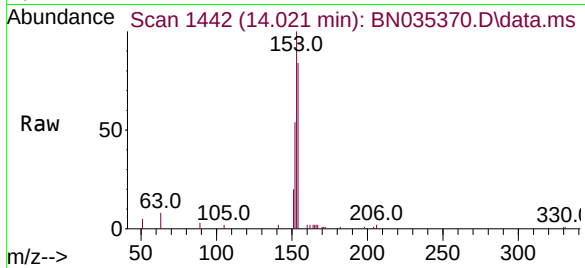
Tgt Ion:152 Resp: 7040
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 13.2 10.4 15.6





#17
Acenaphthene
Concen: 0.434 ng
RT: 14.021 min Scan# 1442
Delta R.T. -0.011 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

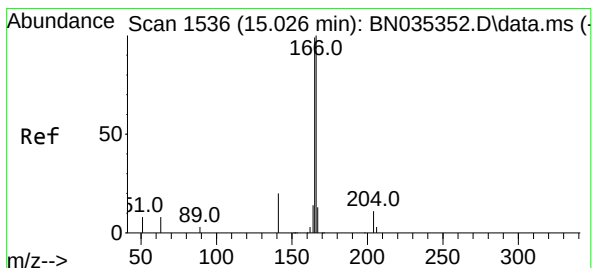
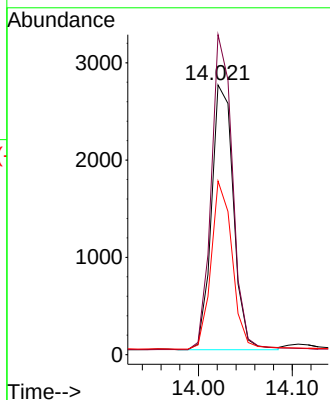
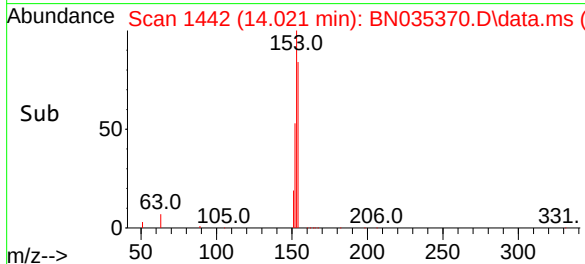
Instrument :
BNA_N
ClientSampleId :
PB165198BS



Tgt Ion:154 Resp: 4450
Ion Ratio Lower Upper
154 100
153 115.6 92.6 139.0
152 61.5 49.0 73.6

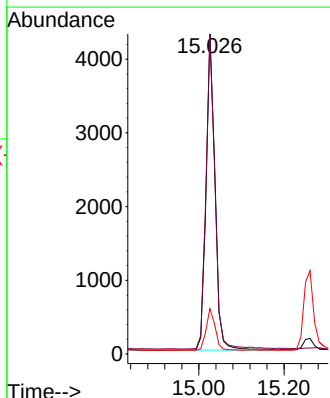
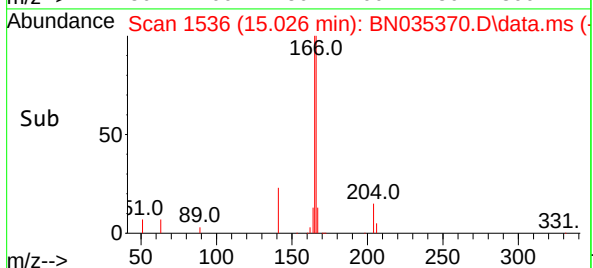
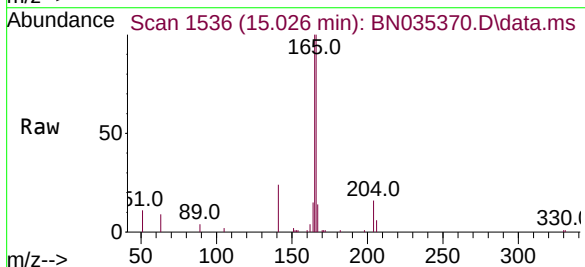
Manual Integrations
APPROVED

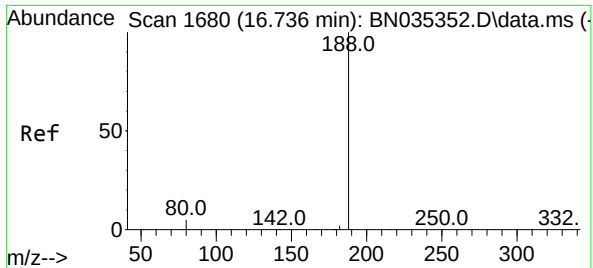
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#18
Fluorene
Concen: 0.423 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

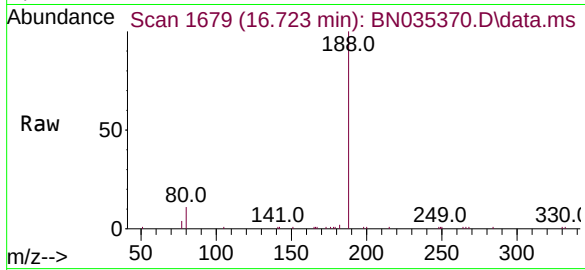
Tgt Ion:166 Resp: 6228
Ion Ratio Lower Upper
166 100
165 100.0 79.7 119.5
167 13.3 10.8 16.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.723 min Scan# 1679
Delta R.T. -0.012 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

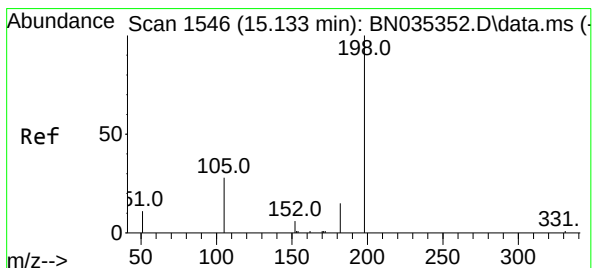
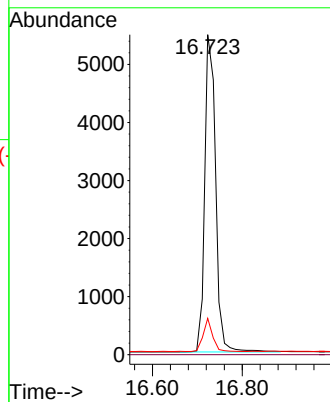
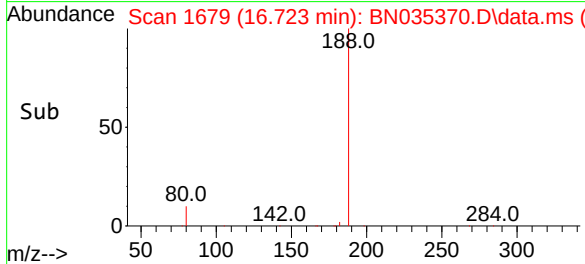
Instrument :
BNA_N
ClientSampleId :
PB165198BS



Tgt Ion:188 Resp: 920
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.3 4.6 6.8

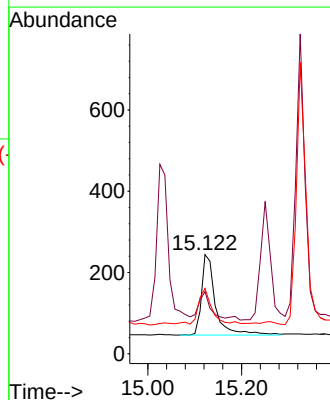
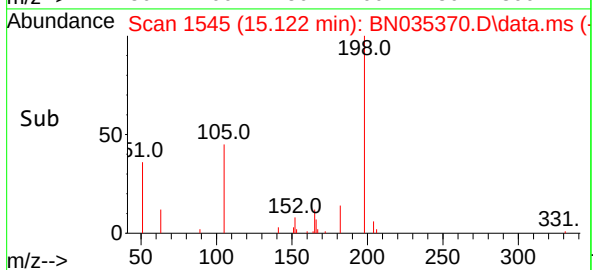
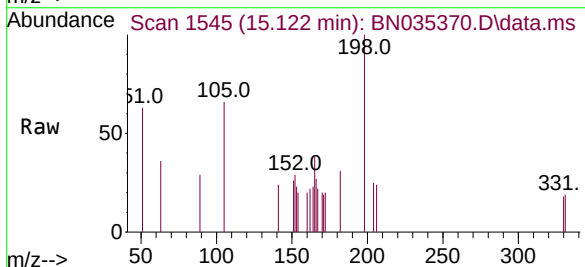
Manual Integrations
APPROVED

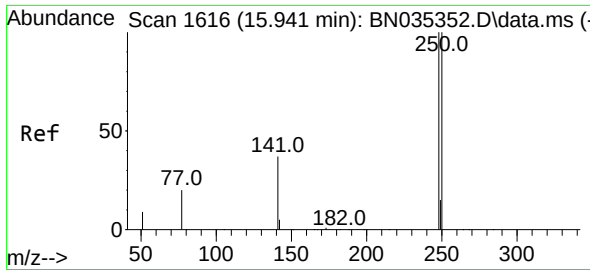
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#20
4,6-Dinitro-2-methylphenol
Concen: 0.454 ng
RT: 15.122 min Scan# 1545
Delta R.T. -0.011 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:198 Resp: 411
Ion Ratio Lower Upper
198 100
51 62.7 46.5 69.7
105 66.0 45.3 67.9





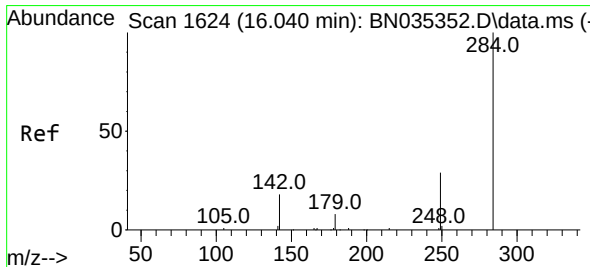
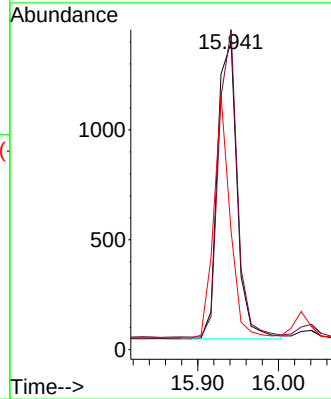
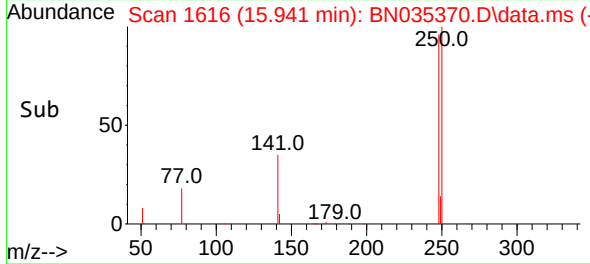
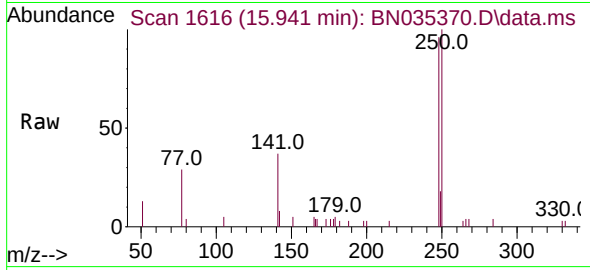
#21
4-Bromophenyl-phenylether
Concen: 0.428 ng
RT: 15.941 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Instrument :
BNA_N
ClientSampleId :
PB165198BS

Tgt Ion:248 Resp: 230
Ion Ratio Lower Upper
248 100
250 104.1 80.6 120.8
141 38.3 31.5 47.3

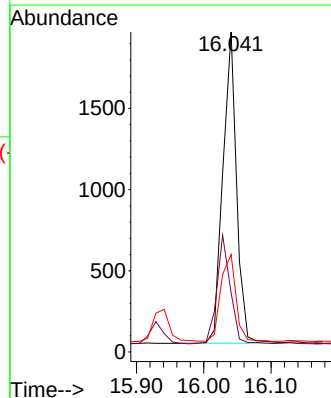
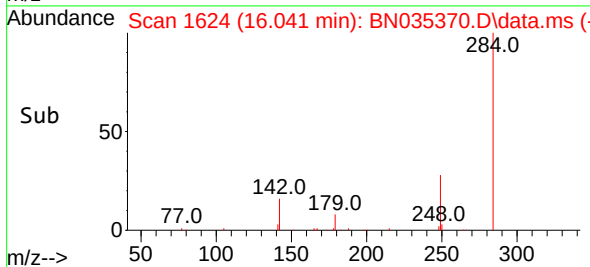
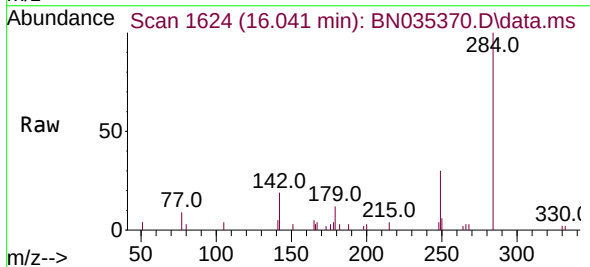
Manual Integrations
APPROVED

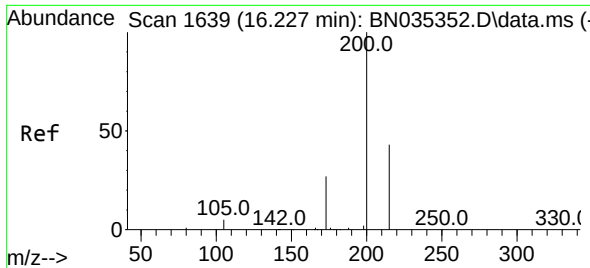
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#22
Hexachlorobenzene
Concen: 0.429 ng
RT: 16.041 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:284 Resp: 2710
Ion Ratio Lower Upper
284 100
142 34.3 26.7 40.1
249 30.8 24.6 36.8





#23

Atrazine

Concen: 0.404 ng

RT: 16.227 min Scan# 1639

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Instrument :

BNA_N

ClientSampleId :

PB165198BS

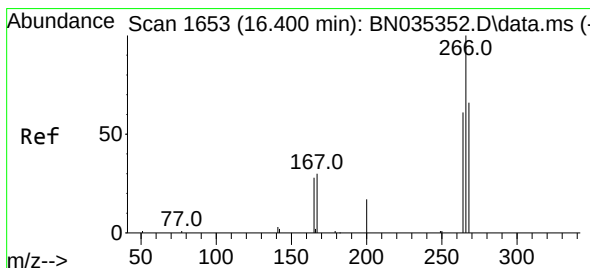
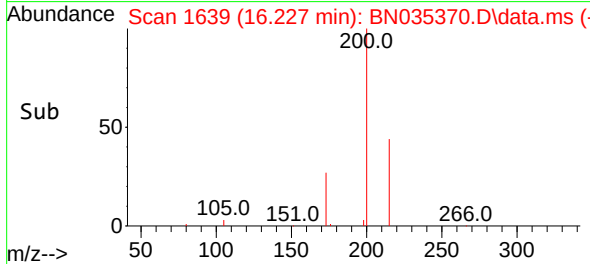
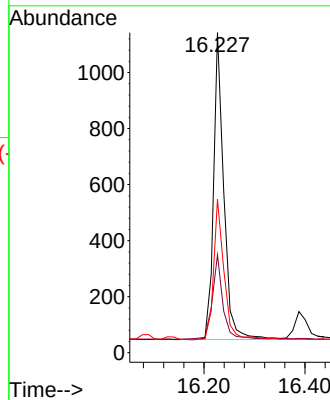
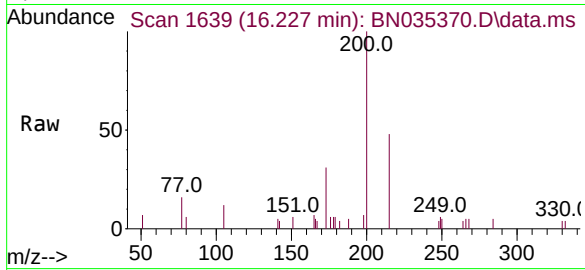
Tgt Ion:	200	Resp:	1548
Ion Ratio	Lower	Upper	
200	100		
173	30.6	24.1	36.1
215	47.9	36.9	55.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#24

Pentachlorophenol

Concen: 0.345 ng

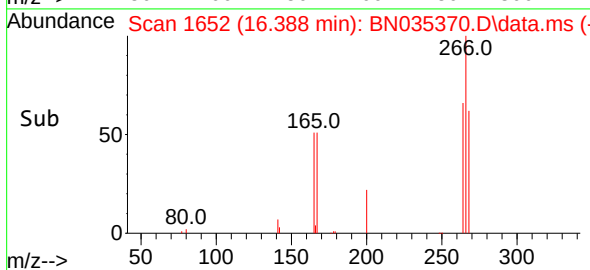
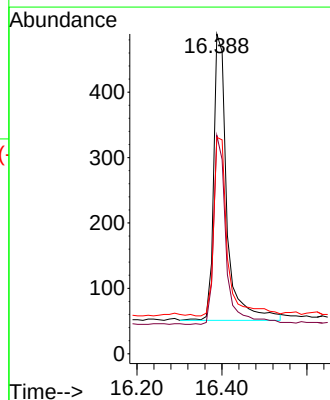
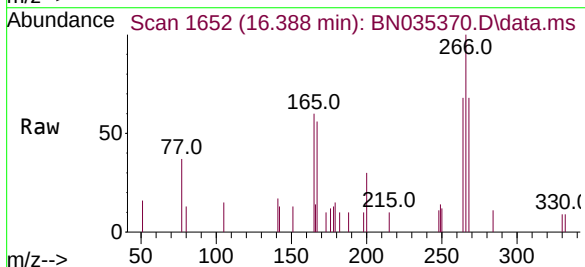
RT: 16.388 min Scan# 1652

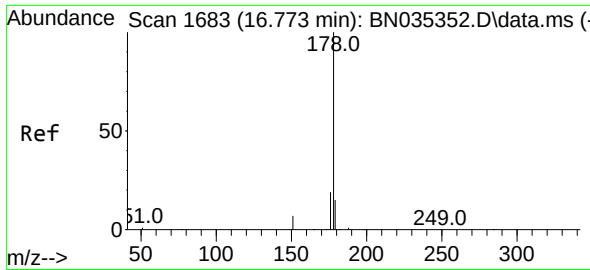
Delta R.T. -0.012 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Tgt Ion:	266	Resp:	950
Ion Ratio	Lower	Upper	
266	100		
264	62.4	42.3	63.5
268	63.8	43.3	64.9





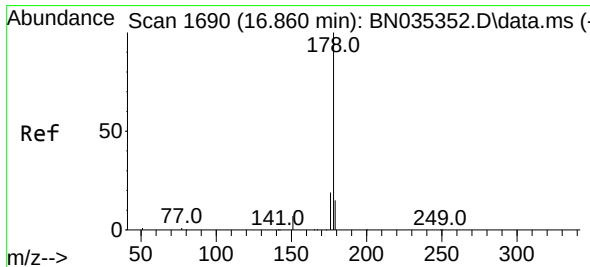
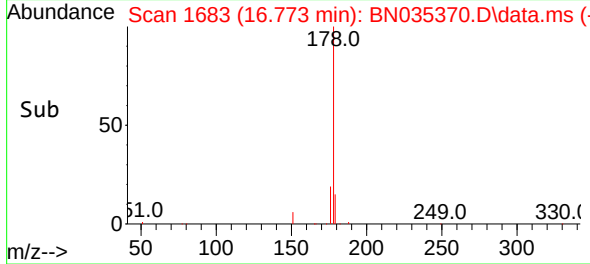
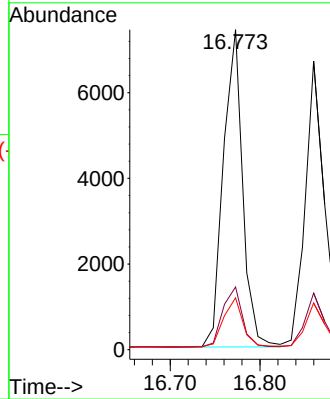
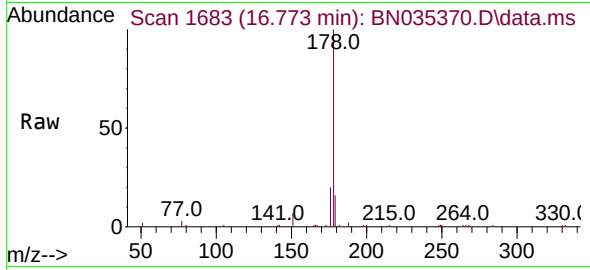
#25
Phenanthrene
Concen: 0.438 ng
RT: 16.773 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Instrument :
BNA_N
ClientSampleId :
PB165198BS

Tgt Ion:178 Resp: 1108
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.5 12.3 18.5

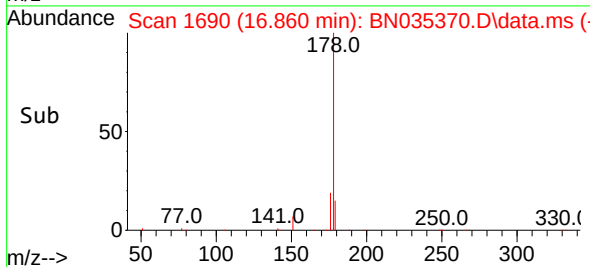
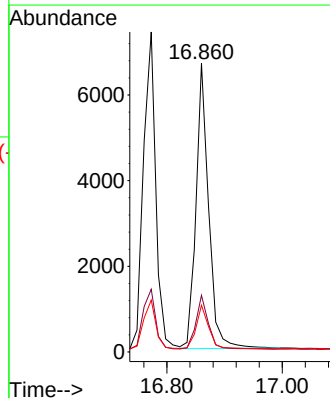
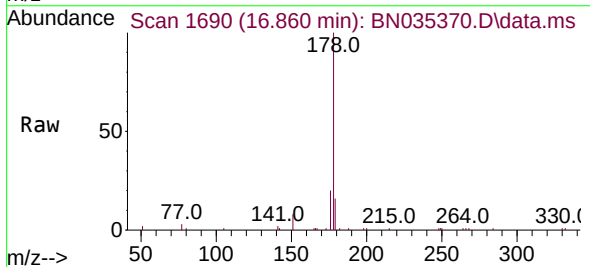
Manual Integrations
APPROVED

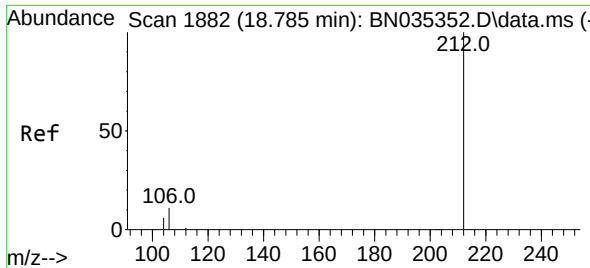
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#26
Anthracene
Concen: 0.444 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:178 Resp: 10144
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.3 12.6 18.8





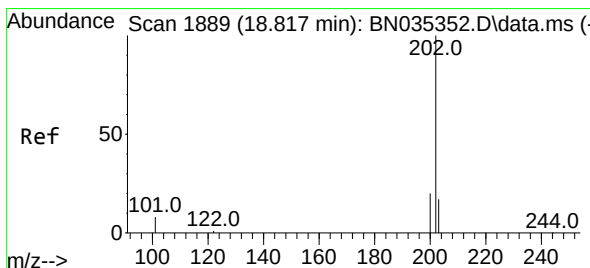
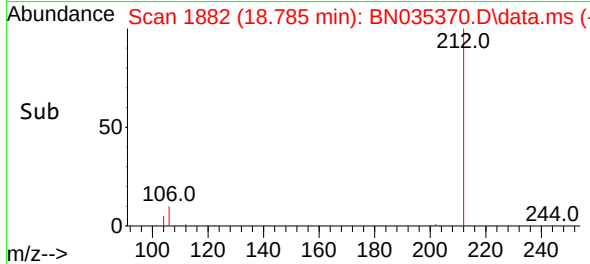
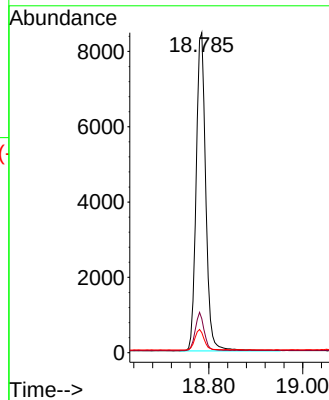
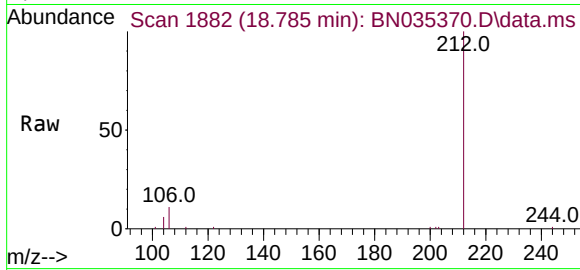
#27
Fluoranthene-d10
Concen: 0.459 ng
RT: 18.785 min Scan# 1882
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Instrument :
BNA_N
ClientSampleId :
PB165198BS

Tgt Ion:212 Resp: 11970
Ion Ratio Lower Upper
212 100
106 11.2 9.2 13.8
104 6.3 5.3 7.9

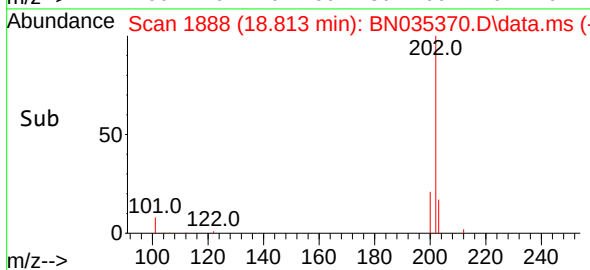
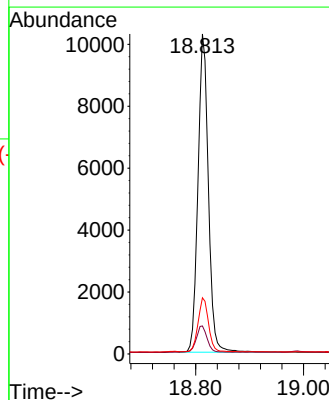
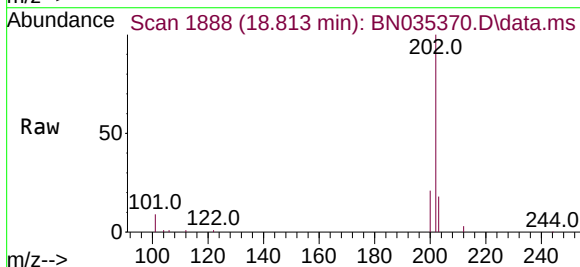
Manual Integrations
APPROVED

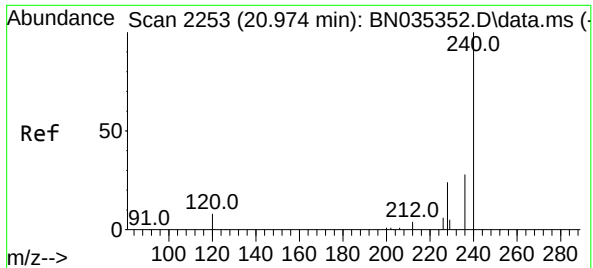
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#28
Fluoranthene
Concen: 0.402 ng
RT: 18.813 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

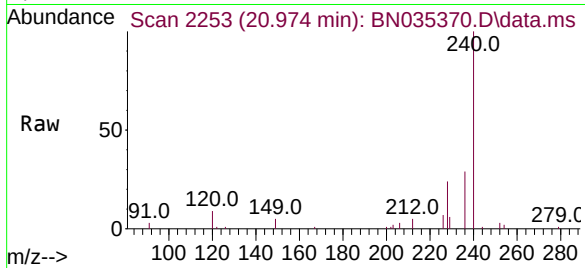
Tgt Ion:202 Resp: 13705
Ion Ratio Lower Upper
202 100
101 8.9 7.4 11.0
203 17.0 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

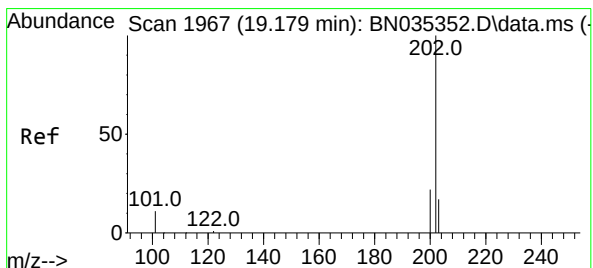
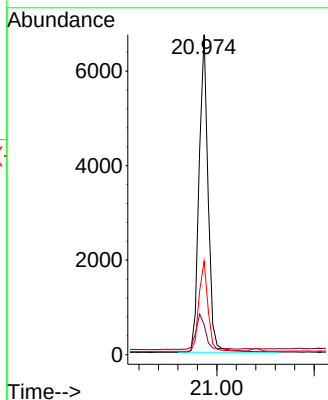
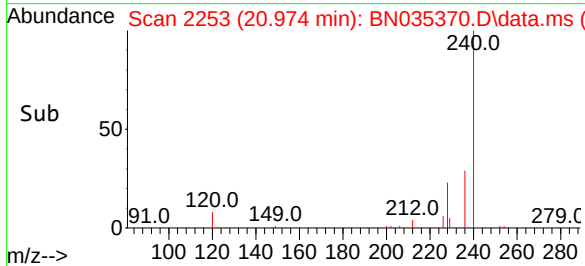
Instrument :
BNA_N
ClientSampleId :
PB165198BS



Tgt Ion:240 Resp: 8660
Ion Ratio Lower Upper
240 100
120 9.4 7.9 11.9
236 29.3 22.9 34.3

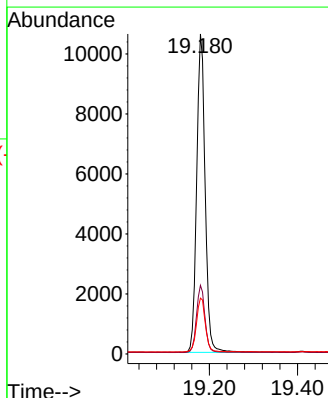
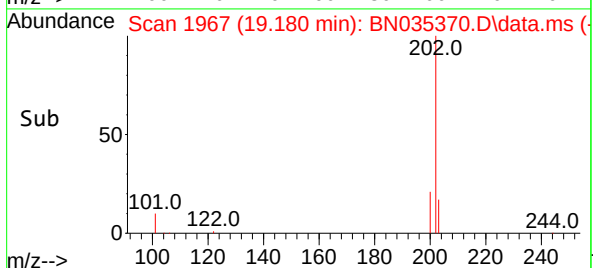
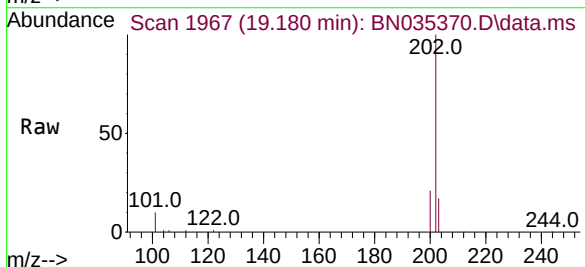
Manual Integrations
APPROVED

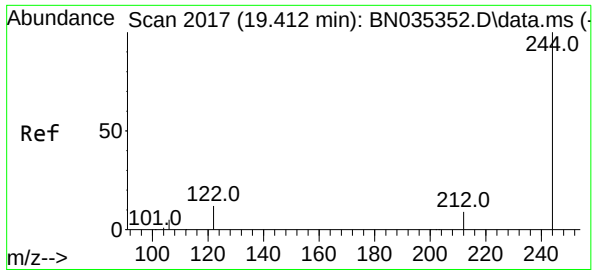
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#30
Pyrene
Concen: 0.444 ng
RT: 19.180 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:202 Resp: 14204
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.5 14.3 21.5





#31
Terphenyl-d14
Concen: 0.521 ng
RT: 19.412 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Instrument :

BNA_N

ClientSampleId :

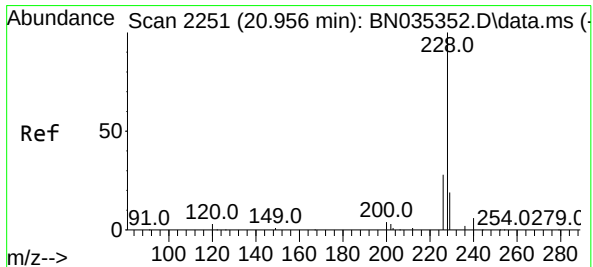
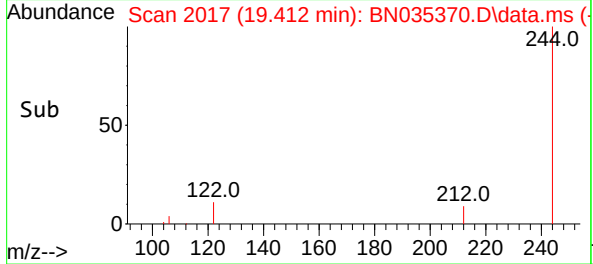
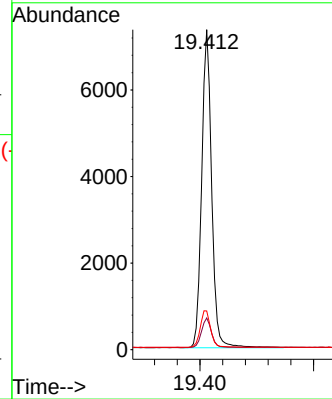
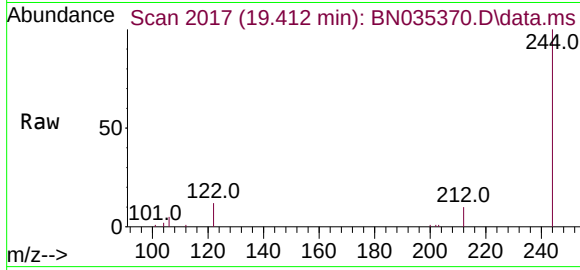
PB165198BS

Tgt Ion:244 Resp: 891
Ion Ratio Lower Upper
244 100
212 9.9 8.1 12.1
122 12.1 10.3 15.5

Manual Integrations

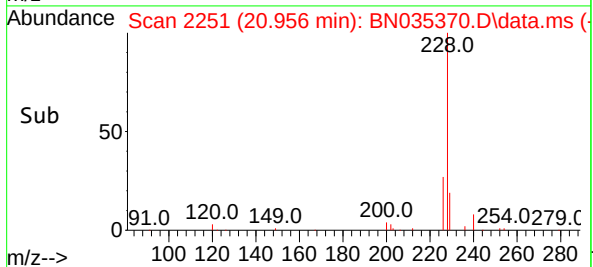
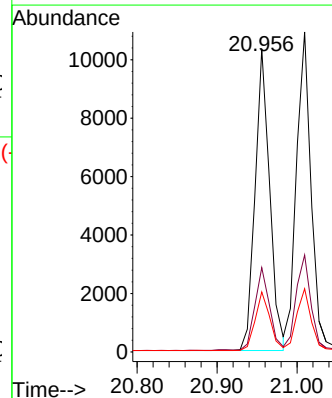
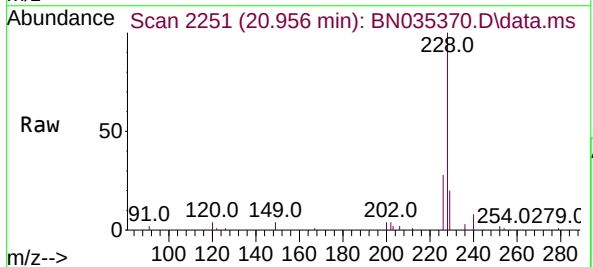
APPROVED

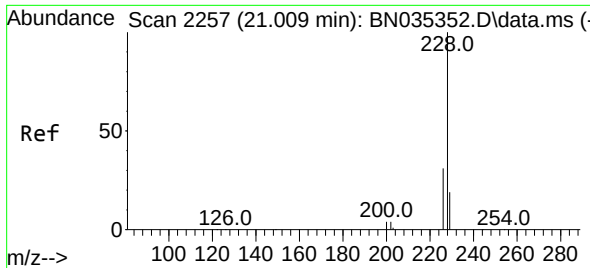
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#32
Benzo(a)anthracene
Concen: 0.433 ng
RT: 20.956 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:228 Resp: 13138
Ion Ratio Lower Upper
228 100
226 27.8 22.5 33.7
229 19.8 15.8 23.8





#33

Chrysene

Concen: 0.451 ng

RT: 21.010 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Instrument :

BNA_N

ClientSampleId :

PB165198BS

Tgt Ion:228 Resp: 1411

Ion Ratio Lower Upper

228 100

226 30.3 24.6 37.0

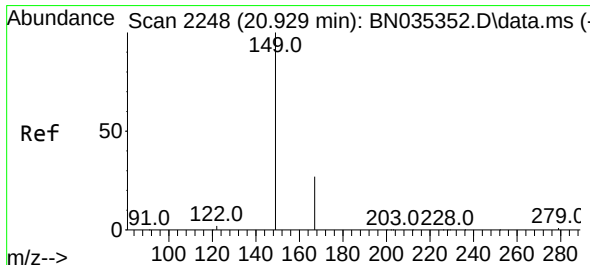
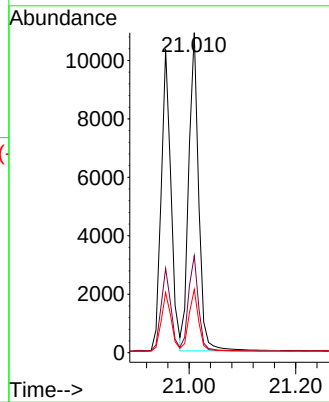
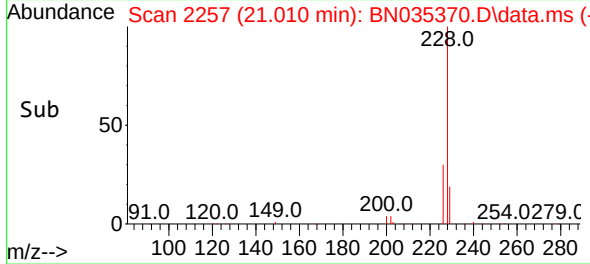
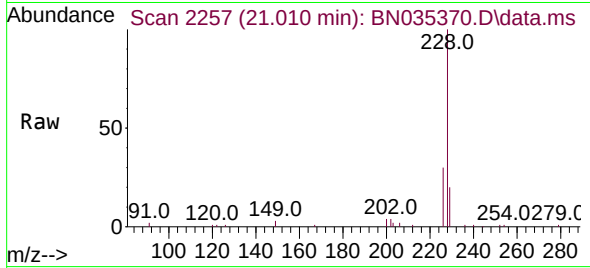
229 19.8 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.410 ng

RT: 20.929 min Scan# 2248

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

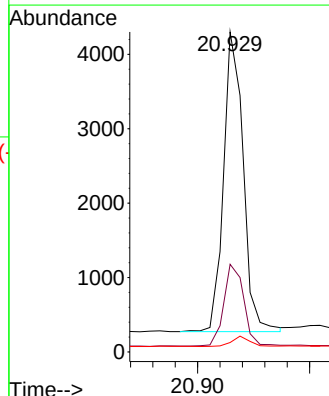
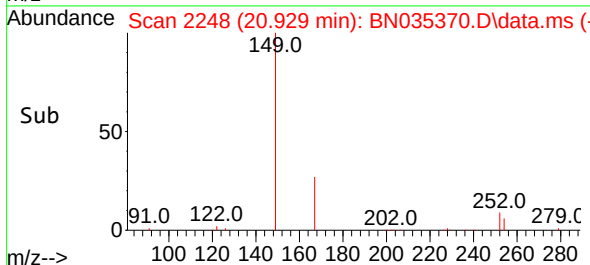
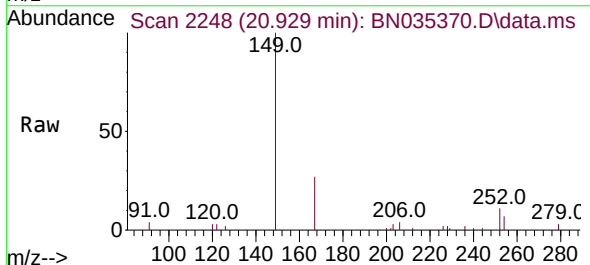
Tgt Ion:149 Resp: 4912

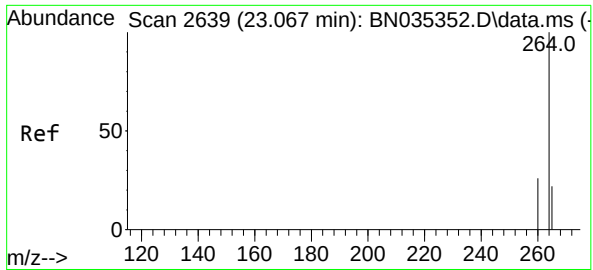
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.4

279 3.2 2.7 4.1





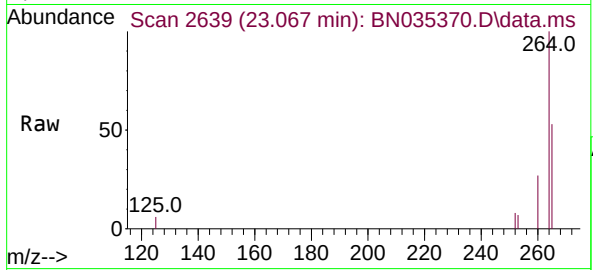
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2639
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Instrument :

BNA_N

ClientSampleId :

PB165198BS



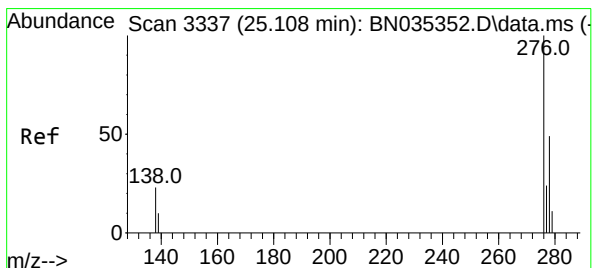
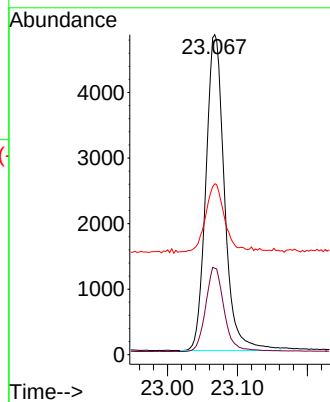
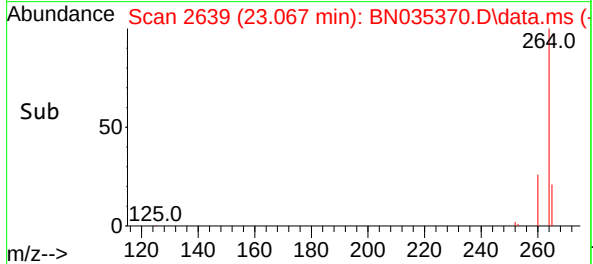
Tgt Ion:264 Resp: 8924
Ion Ratio Lower Upper
264 100
260 27.0 21.4 32.2
265 53.4 40.2 60.4

Manual Integrations

APPROVED

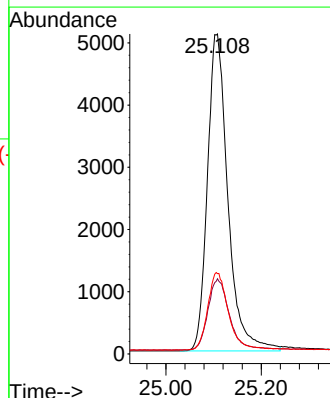
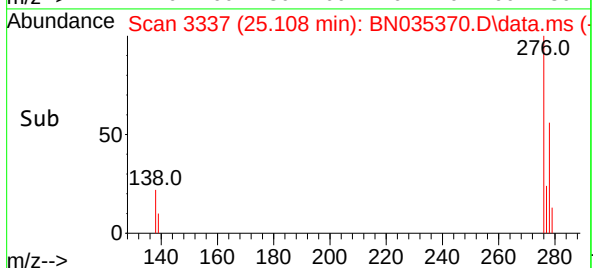
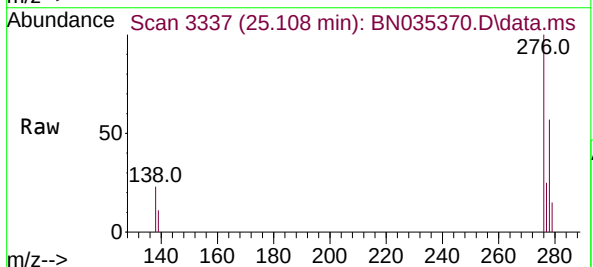
Reviewed By :Yogesh Patel 11/29/2024

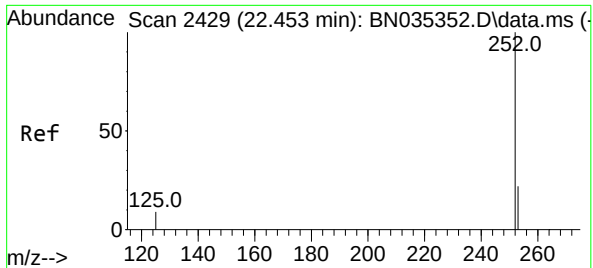
Supervised By :mohammad ahmed 11/29/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.436 ng
RT: 25.108 min Scan# 3337
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:276 Resp: 15213
Ion Ratio Lower Upper
276 100
138 23.1 19.4 29.0
277 24.6 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.491 ng

RT: 22.453 min Scan# 2429

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Instrument :

BNA_N

ClientSampleId :

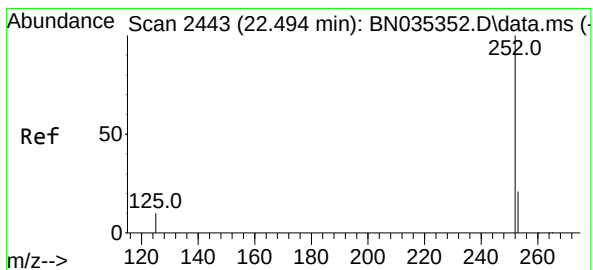
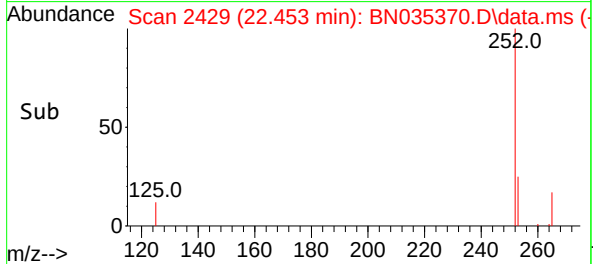
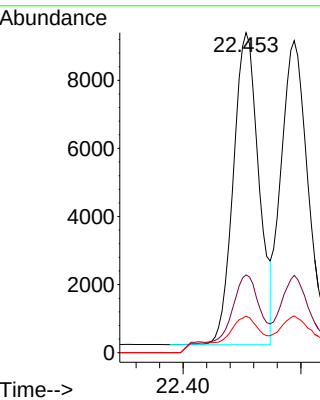
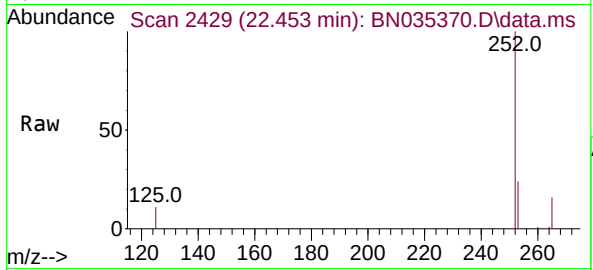
PB165198BS

Tgt Ion:	252	Resp:	16020
Ion Ratio	Lower	Upper	
252	100		
253	24.3	19.6	29.4
125	11.4	9.6	14.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#38

Benzo(k)fluoranthene

Concen: 0.450 ng

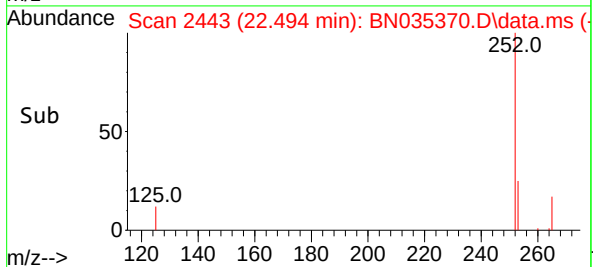
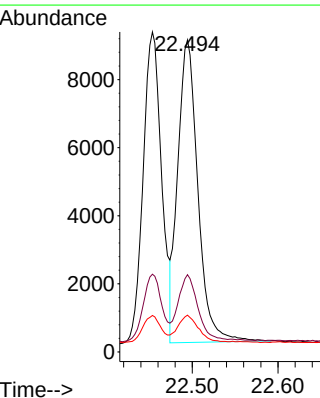
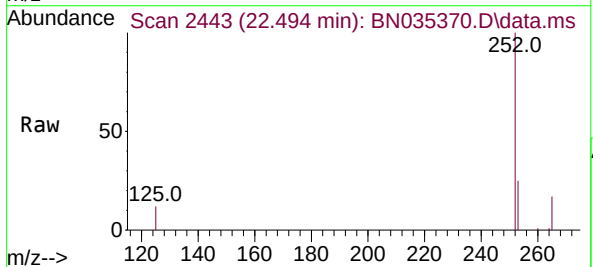
RT: 22.494 min Scan# 2443

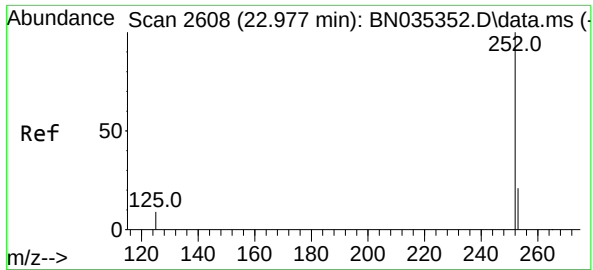
Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Tgt Ion:	252	Resp:	14448
Ion Ratio	Lower	Upper	
252	100		
253	24.8	19.5	29.3
125	11.8	10.2	15.4





#39

Benzo(a)pyrene

Concen: 0.462 ng

RT: 22.977 min Scan# 20

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Instrument :

BNA_N

ClientSampleId :

PB165198BS

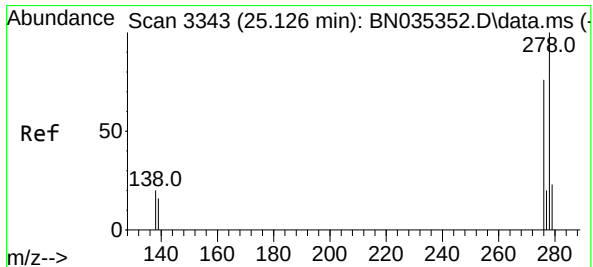
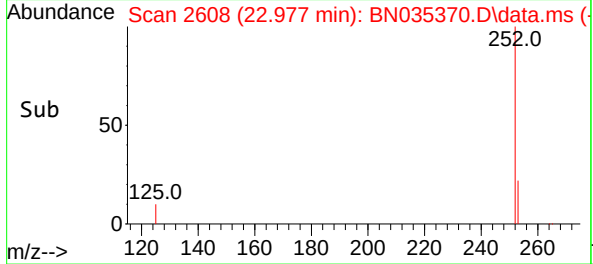
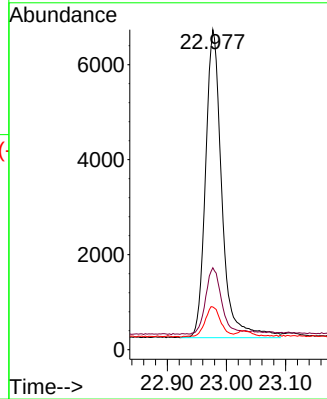
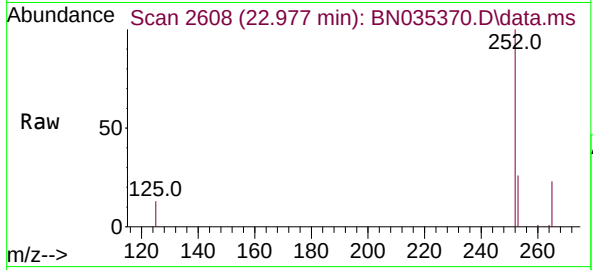
Tgt Ion:	252	Resp:	12434
Ion Ratio	Lower	Upper	
252	100		
253	25.6	20.2	30.4
125	13.4	10.9	16.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.433 ng

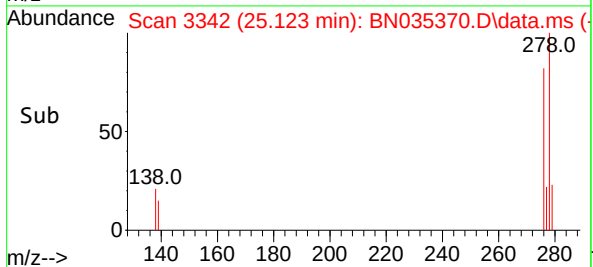
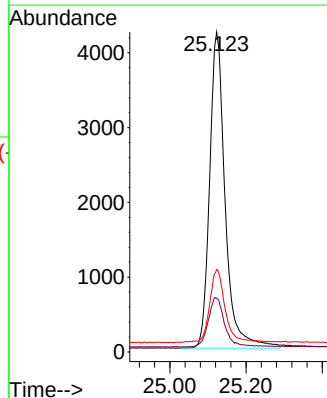
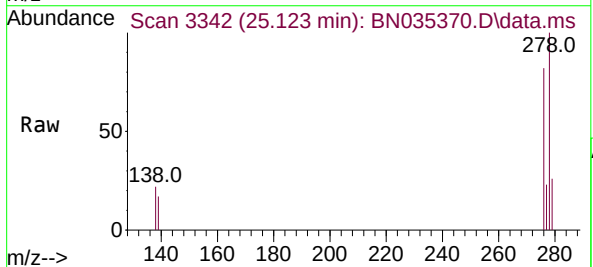
RT: 25.123 min Scan# 3342

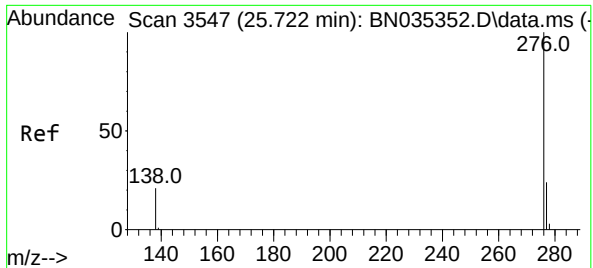
Delta R.T. -0.003 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Tgt Ion:	278	Resp:	11913
Ion Ratio	Lower	Upper	
278	100		
139	16.8	14.2	21.4
279	25.8	20.5	30.7





#41

Benzo(g,h,i)perylene

Concen: 0.402 ng

RT: 25.719 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN035370.D

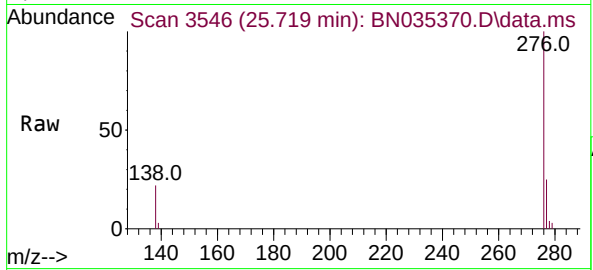
Acq: 28 Nov 2024 06:03

Instrument :

BNA_N

ClientSampleId :

PB165198BS



Tgt Ion:276 Resp: 11550

Ion Ratio Lower Upper

276 100

277 24.7 19.9 29.9

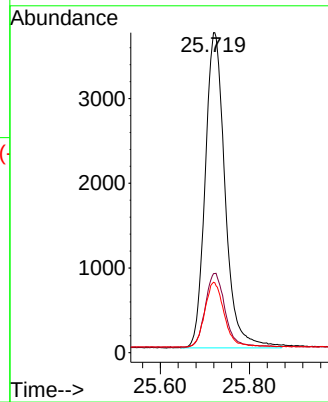
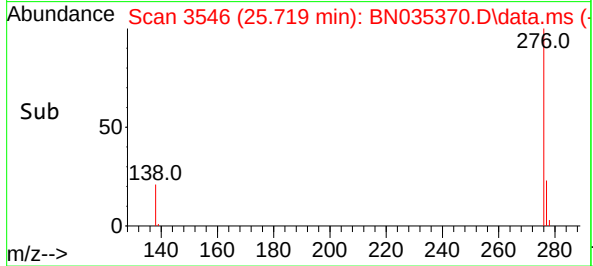
138 22.0 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	PB165198BSD	SDG No.:	P4959
Lab Sample ID:	PB165198BSD	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035371.D	1	11/22/24 12:25	11/28/24 06:39	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.35		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.51		30 - 150		127%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		55 - 111		103%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		53 - 106		104%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2380	7.308				
1146-65-2	Naphthalene-d8	5720	10.052				
15067-26-2	Acenaphthene-d10	3810	13.967				
1517-22-2	Phenanthrene-d10	9570	16.735				
1719-03-5	Chrysene-d12	8950	20.974				
1520-96-3	Perylene-d12	9280	23.07				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035371.D
 Acq On : 28 Nov 2024 06:39
 Operator : RC/JU
 Sample : PB165198BSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB165198BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/29/2024
 Supervised By :mohammad ahmed 11/29/2024

Quant Time: Nov 28 07:04:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2376	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5724	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	3806	0.400	ng	0.00
19) Phenanthrene-d10	16.735	188	9566	0.400	ng	0.00
29) Chrysene-d12	20.974	240	8948	0.400	ng	0.00
35) Perylene-d12	23.070	264	9280	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	2117	0.356	ng	0.00
5) Phenol-d6	6.513	99	2409	0.337	ng	0.00
8) Nitrobenzene-d5	8.440	82	1446m	0.414	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	4544	0.507	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	658	0.244	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	6011	0.418	ng	0.00
27) Fluoranthene-d10	18.784	212	10713	0.395	ng	0.00
31) Terphenyl-d14	19.412	244	7957	0.451	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.996	88	783	0.345	ng	# 72
3) n-Nitrosodimethylamine	3.292	42	727	0.384	ng	# 97
6) bis(2-Chloroethyl)ether	6.759	93	2213	0.368	ng	99
9) Naphthalene	10.105	128	5692	0.377	ng	99
10) Hexachlorobutadiene	10.404	225	1371	0.394	ng	# 100
12) 2-Methylnaphthalene	11.732	142	3934	0.364	ng	99
16) Acenaphthylene	13.678	152	6299	0.394	ng	100
17) Acenaphthene	14.031	154	4018	0.379	ng	99
18) Fluorene	15.026	166	5740	0.378	ng	98
20) 4,6-Dinitro-2-methylph...	15.132	198	344	0.366	ng	96
21) 4-Bromophenyl-phenylether	15.941	248	2102	0.376	ng	97
22) Hexachlorobenzene	16.040	284	2466	0.375	ng	99
23) Atrazine	16.227	200	1420	0.357	ng	97
24) Pentachlorophenol	16.400	266	828	0.290	ng	# 84
25) Phenanthrene	16.773	178	10055	0.383	ng	100
26) Anthracene	16.860	178	9171	0.386	ng	100
28) Fluoranthene	18.812	202	12304	0.347	ng	100
30) Pyrene	19.179	202	12695	0.384	ng	100
32) Benzo(a)anthracene	20.956	228	11626	0.371	ng	100
33) Chrysene	21.009	228	12682	0.393	ng	100
34) Bis(2-ethylhexyl)phtha...	20.929	149	4303	0.348	ng	100
36) Indeno(1,2,3-cd)pyrene	25.108	276	14123	0.389	ng	99
37) Benzo(b)fluoranthene	22.456	252	12457	0.367	ng	99
38) Benzo(k)fluoranthene	22.497	252	13182	0.394	ng	99
39) Benzo(a)pyrene	22.980	252	11277	0.403	ng	99
40) Dibenzo(a,h)anthracene	25.128	278	10990	0.384	ng	99
41) Benzo(g,h,i)perylene	25.725	276	10607	0.355	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

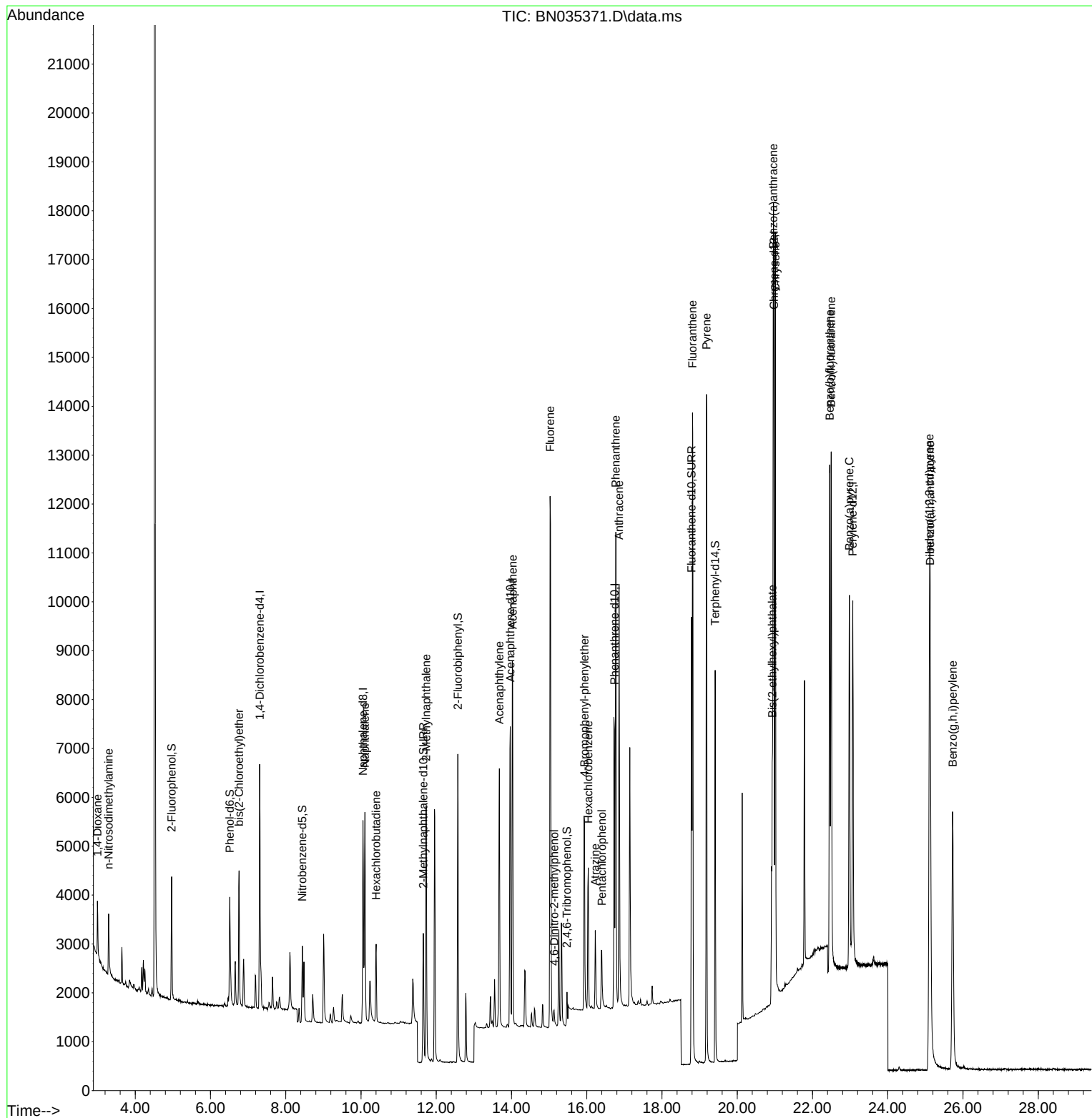
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035371.D
 Acq On : 28 Nov 2024 06:39
 Operator : RC/JU
 Sample : PB165198BSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

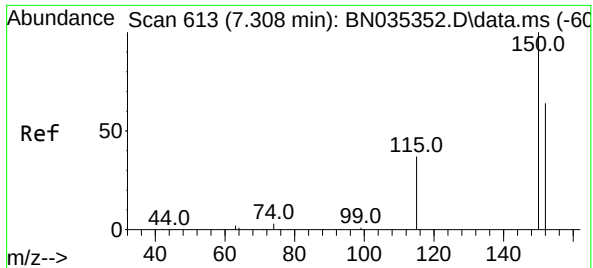
Instrument :
 BNA_N
 ClientSampleId :
 PB165198BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2024
 Supervised By :mohammad ahmed 11/29/2024

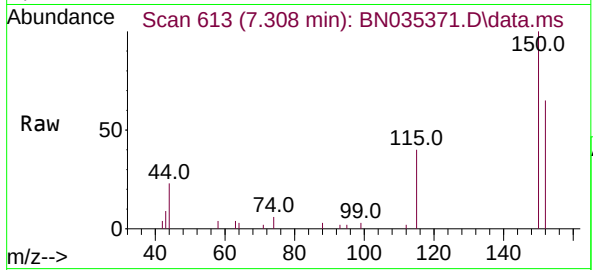
Quant Time: Nov 28 07:04:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

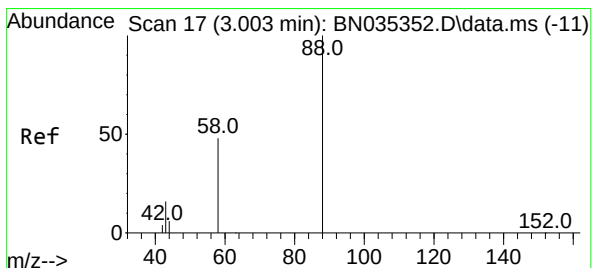
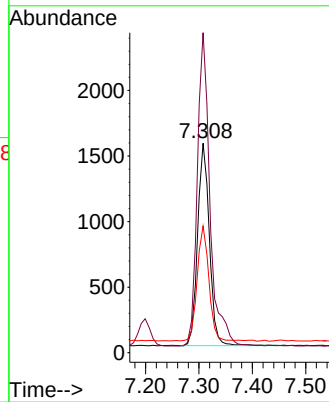
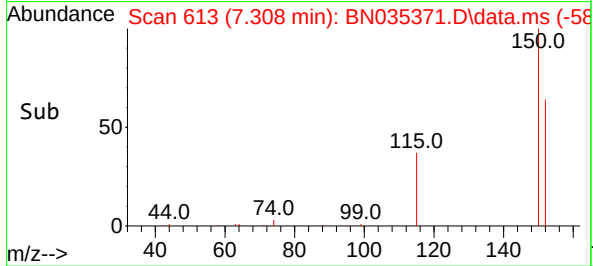
Instrument :
BNA_N
ClientSampleId :
PB165198BSD



Tgt Ion:152 Resp: 2370
Ion Ratio Lower Upper
152 100
150 152.8 124.0 186.0
115 60.4 49.6 74.4

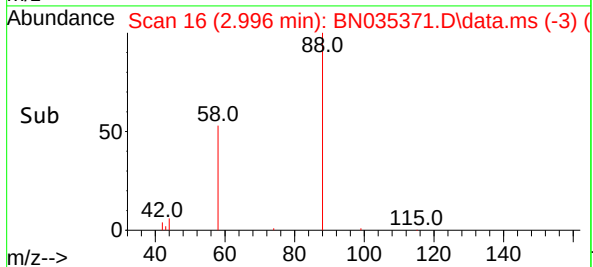
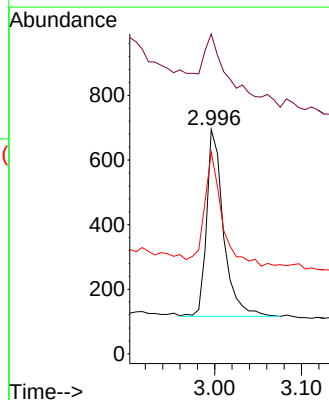
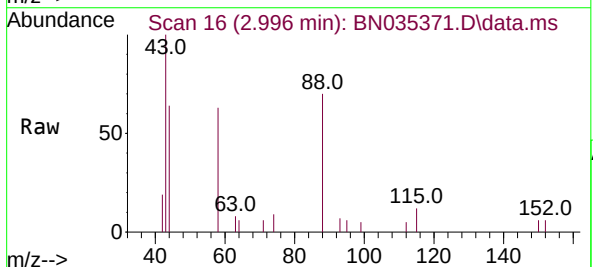
Manual Integrations
APPROVED

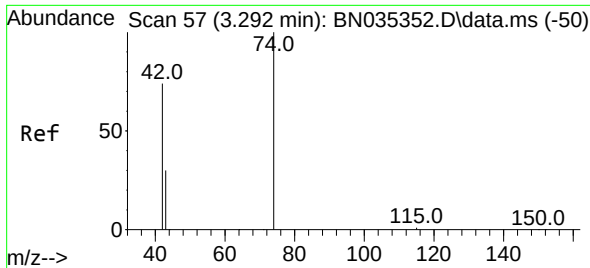
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#2
1,4-Dioxane
Concen: 0.345 ng
RT: 2.996 min Scan# 16
Delta R.T. -0.007 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion: 88 Resp: 783
Ion Ratio Lower Upper
88 100
43 58.7 17.2 25.8#
58 62.1 44.5 66.7





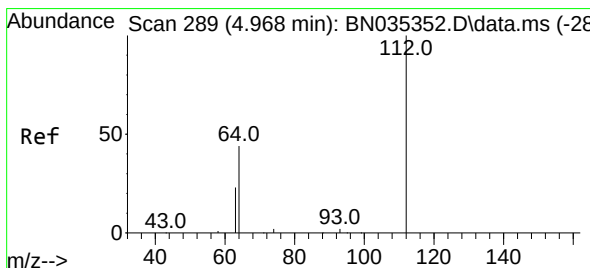
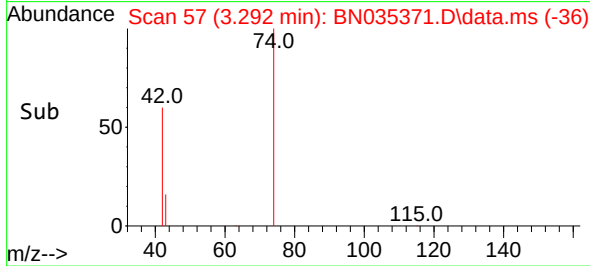
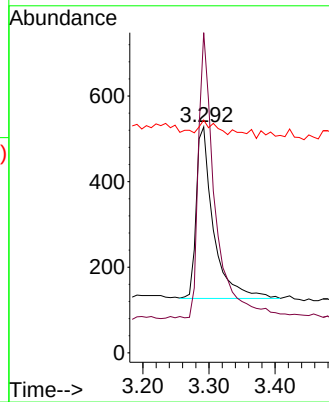
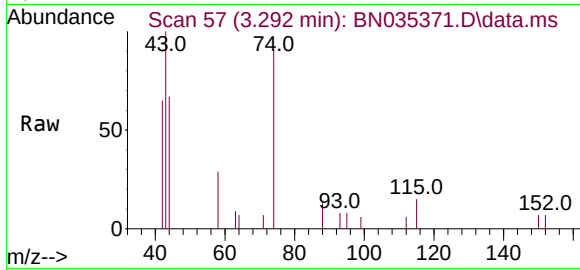
#3
n-Nitrosodimethylamine
Concen: 0.384 ng
RT: 3.292 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Instrument :
BNA_N
ClientSampleId :
PB165198BSD

Tgt Ion: 42 Resp: 72
Ion Ratio Lower Upper
42 100
74 159.8 124.9 187.3
44 7.0 2.2 3.4

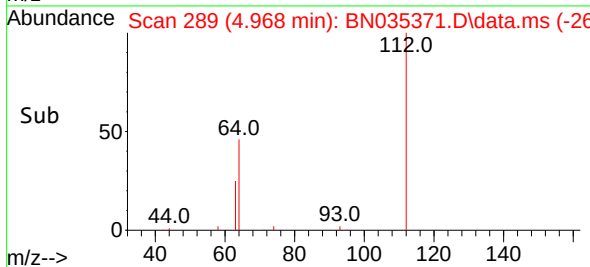
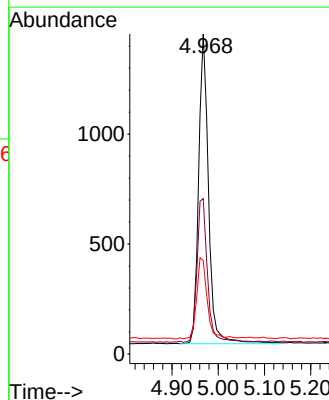
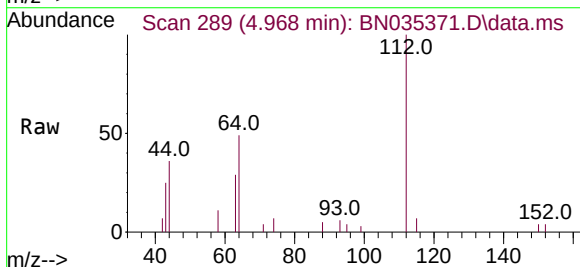
Manual Integrations
APPROVED

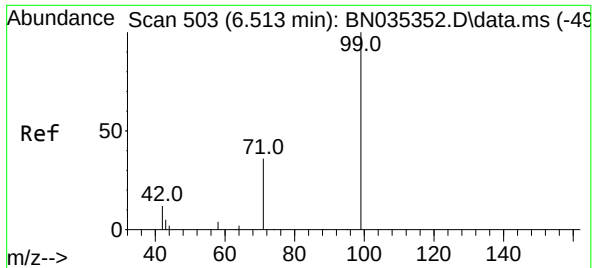
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#4
2-Fluorophenol
Concen: 0.356 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:112 Resp: 2117
Ion Ratio Lower Upper
112 100
64 48.9 39.8 59.8
63 27.9 21.0 31.6





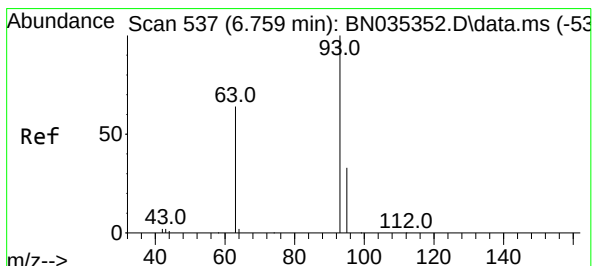
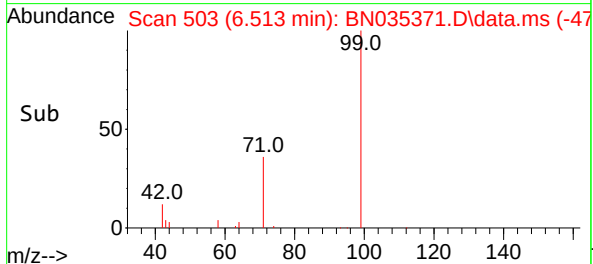
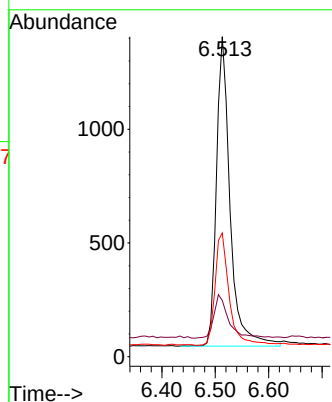
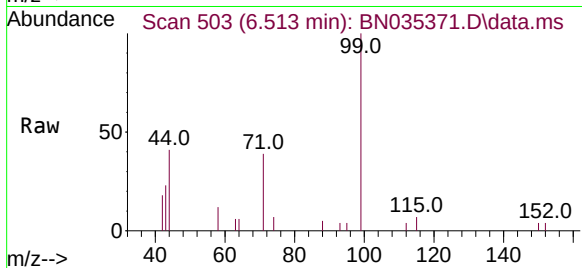
#5
Phenol-d6
Concen: 0.337 ng
RT: 6.513 min Scan# 503
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Instrument :
BNA_N
ClientSampleId :
PB165198BSD

Tgt Ion: 99 Resp: 2409
Ion Ratio Lower Upper
99 100
42 15.1 11.4 17.2
71 37.7 29.3 43.9

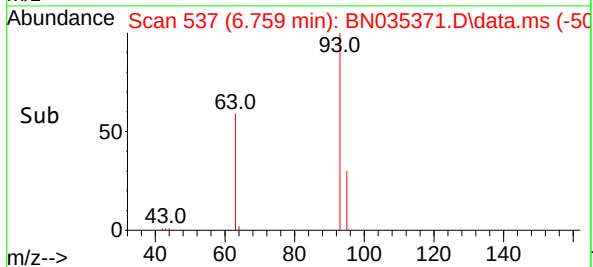
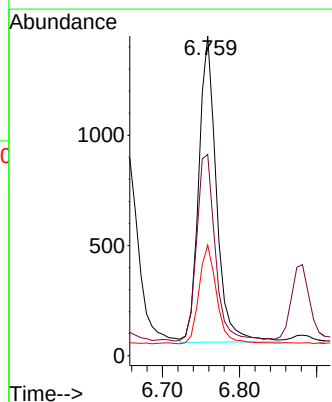
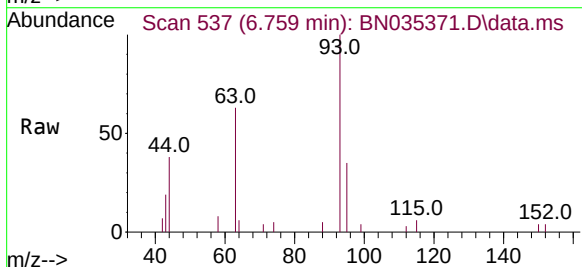
Manual Integrations
APPROVED

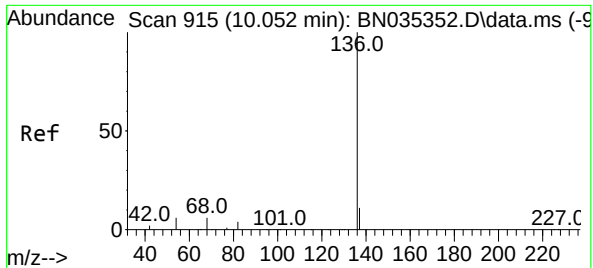
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#6
bis(2-Chloroethyl)ether
Concen: 0.368 ng
RT: 6.759 min Scan# 537
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

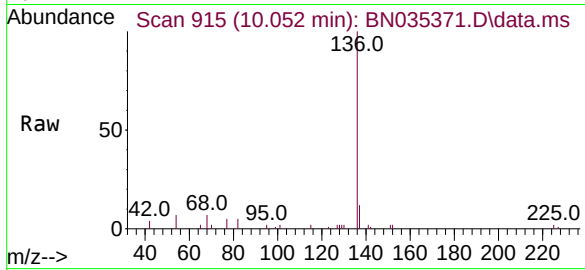
Tgt Ion: 93 Resp: 2213
Ion Ratio Lower Upper
93 100
63 64.2 50.4 75.6
95 32.2 25.7 38.5





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

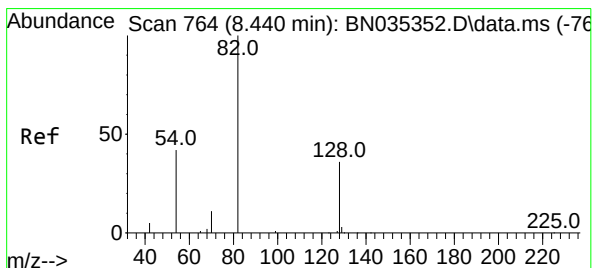
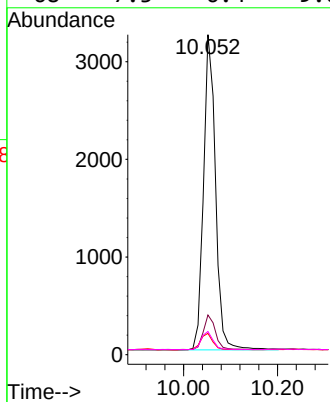
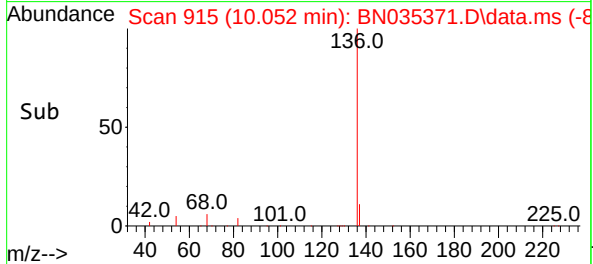
Instrument :
BNA_N
ClientSampleId :
PB165198BSD



Tgt Ion: 136 Resp: 5724
Ion Ratio Lower Upper
136 100
137 12.4 10.2 15.2
54 6.7 6.1 9.1
68 7.3 6.4 9.6

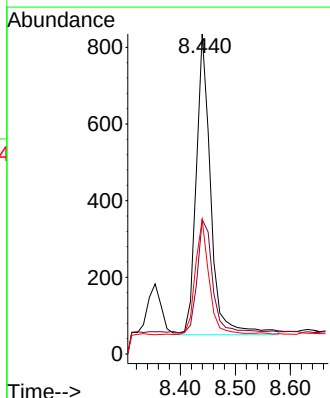
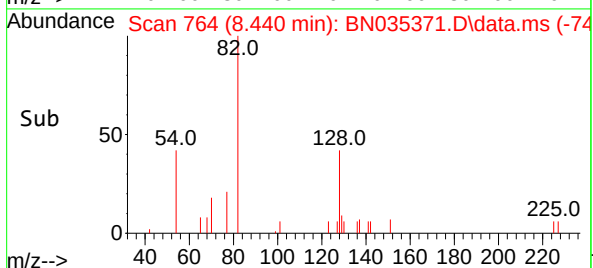
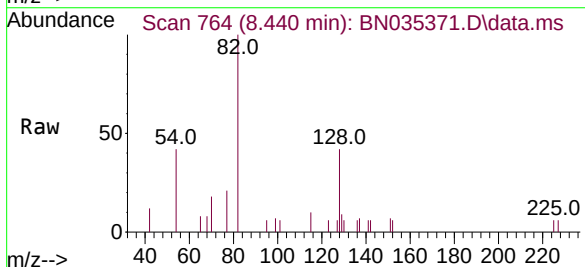
Manual Integrations
APPROVED

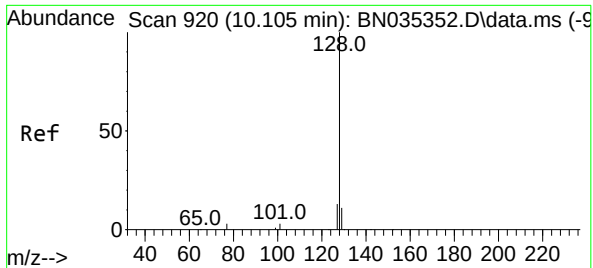
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#8
Nitrobenzene-d5
Concen: 0.414 ng m
RT: 8.440 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion: 82 Resp: 1446
Ion Ratio Lower Upper
82 100
128 42.0 33.4 50.0
54 41.9 36.7 55.1





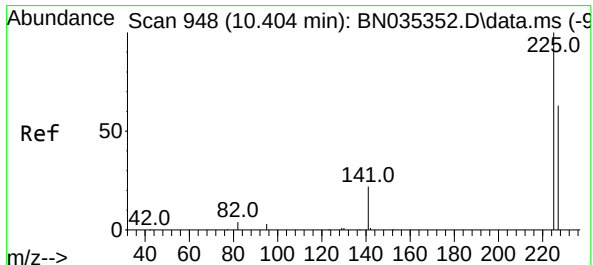
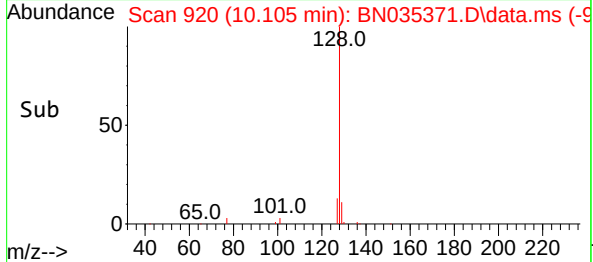
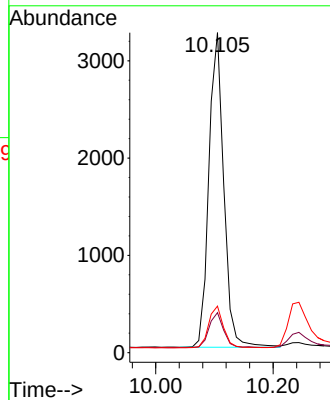
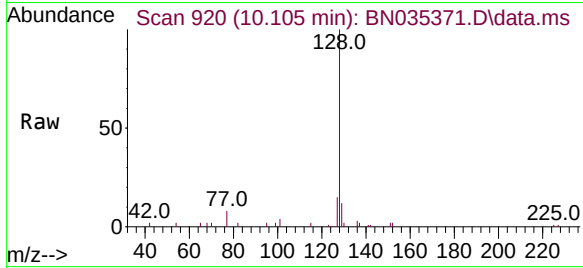
#9
Naphthalene
Concen: 0.377 ng
RT: 10.105 min Scan# 912
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Instrument :
BNA_N
ClientSampleId :
PB165198BSD

Tgt Ion:128 Resp: 5692
Ion Ratio Lower Upper
128 100
129 12.5 9.8 14.6
127 14.5 11.4 17.2

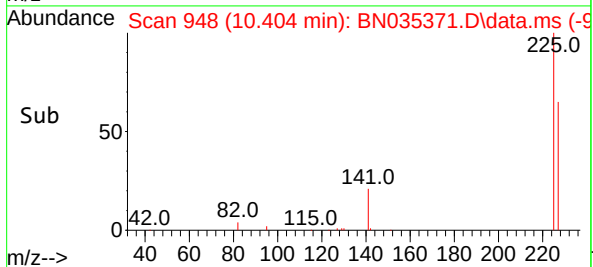
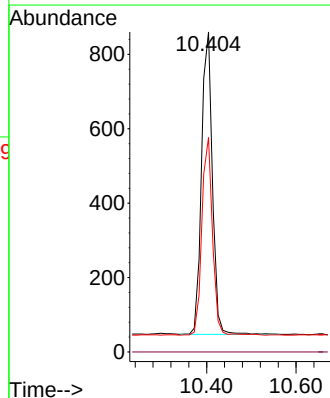
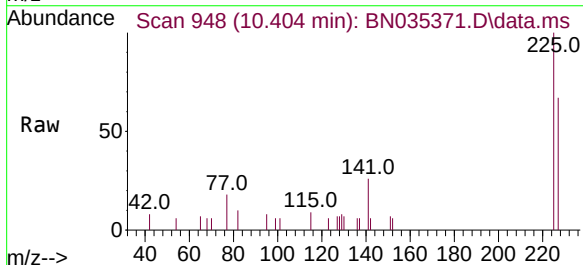
Manual Integrations
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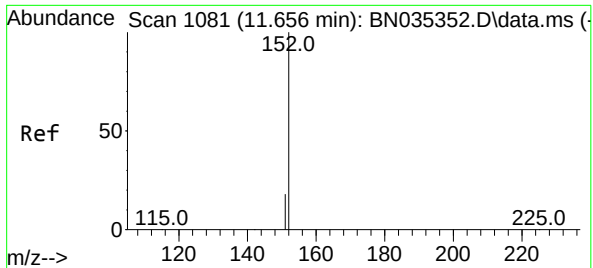
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#10
Hexachlorobutadiene
Concen: 0.394 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:225 Resp: 1371
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 51.3 76.9





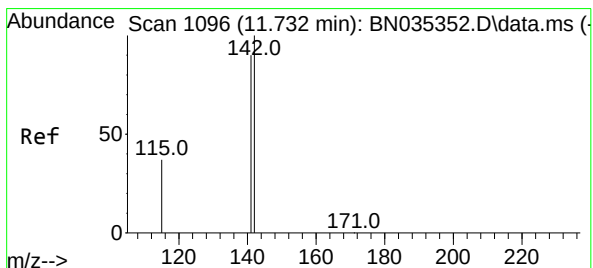
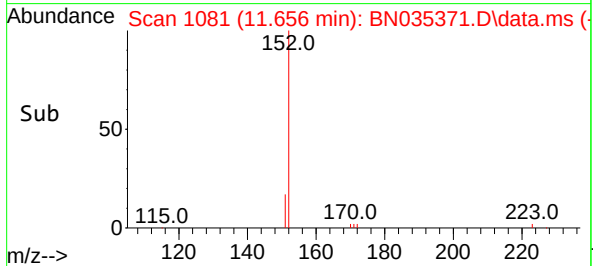
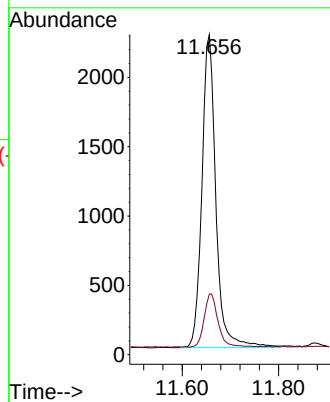
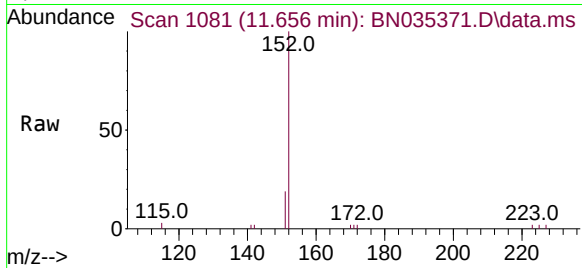
#11
2-Methylnaphthalene-d10
Concen: 0.507 ng
RT: 11.656 min Scan# 1081
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Instrument :
BNA_N
ClientSampleId :
PB165198BSD

Tgt Ion:152 Resp: 4544
Ion Ratio Lower Upper
152 100
151 16.9 16.6 25.0

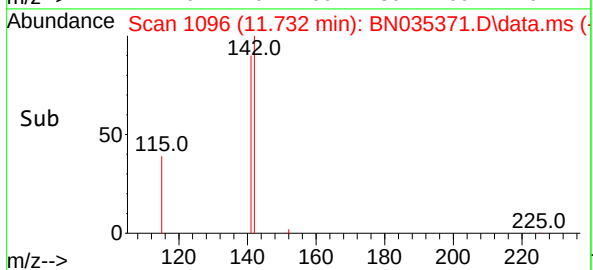
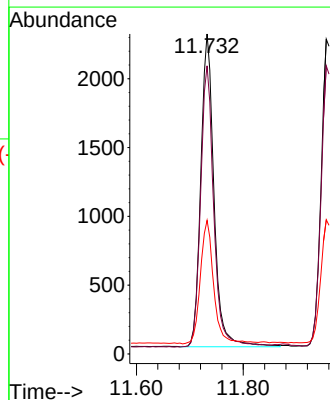
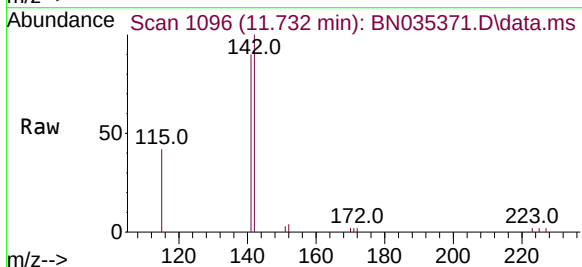
Manual Integrations
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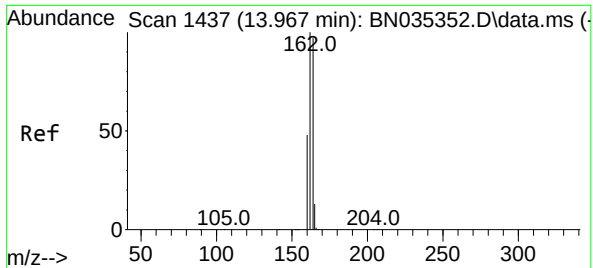
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#12
2-Methylnaphthalene
Concen: 0.364 ng
RT: 11.732 min Scan# 1096
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

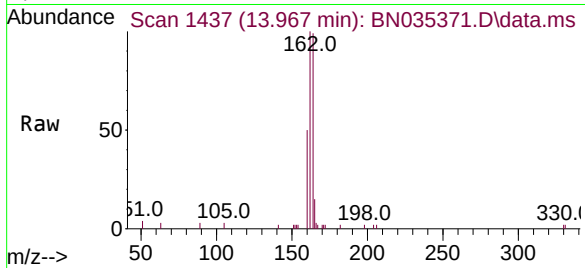
Tgt Ion:142 Resp: 3934
Ion Ratio Lower Upper
142 100
141 90.1 72.2 108.4
115 41.8 31.4 47.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

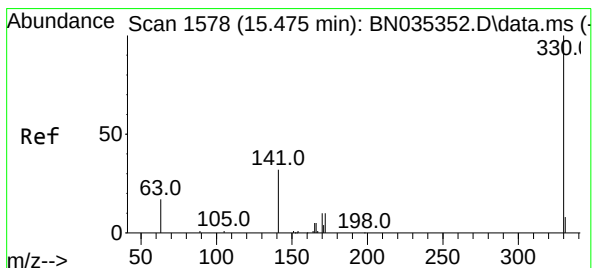
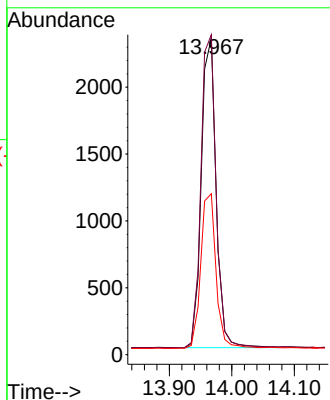
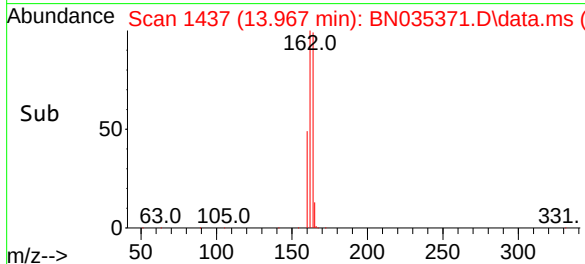
Instrument :
BNA_N
ClientSampleId :
PB165198BSD



Tgt Ion:164 Resp: 3800
Ion Ratio Lower Upper
164 100
162 101.0 82.2 123.2
160 50.8 40.1 60.1

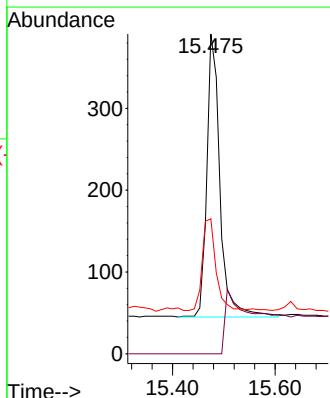
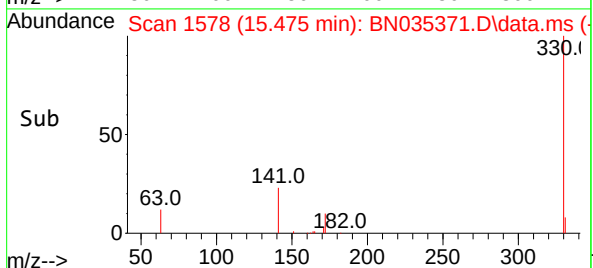
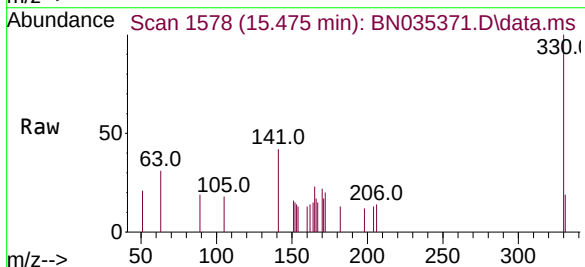
Manual Integrations
APPROVED

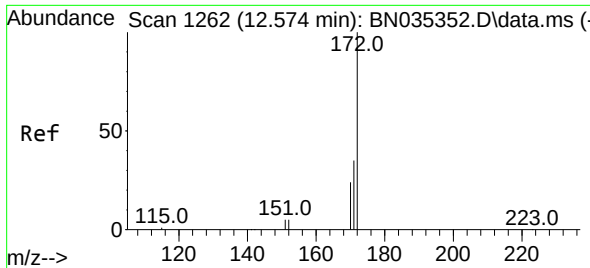
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#14
2,4,6-Tribromophenol
Concen: 0.244 ng
RT: 15.475 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

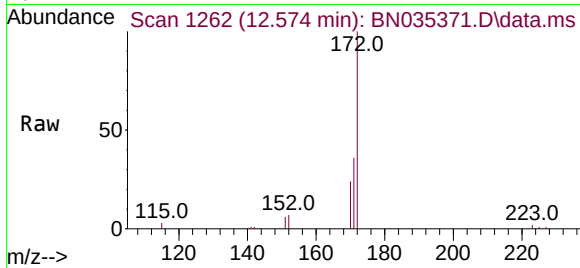
Tgt Ion:330 Resp: 658
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 35.0 26.6 40.0





#15
2-Fluorobiphenyl
Concen: 0.418 ng
RT: 12.574 min Scan# 1262
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

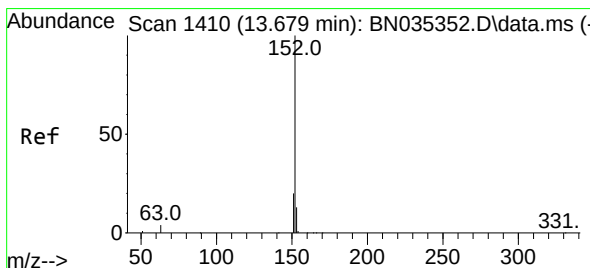
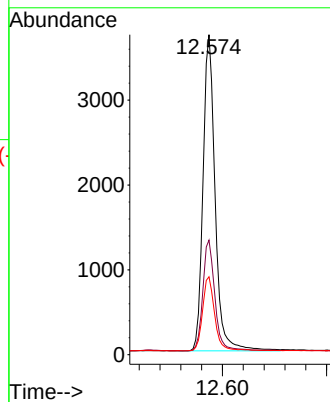
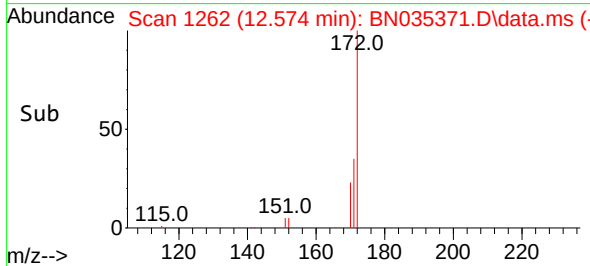
Instrument :
BNA_N
ClientSampleId :
PB165198BSD



Tgt Ion:172 Resp: 601
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.4
170 24.3 19.8 29.8

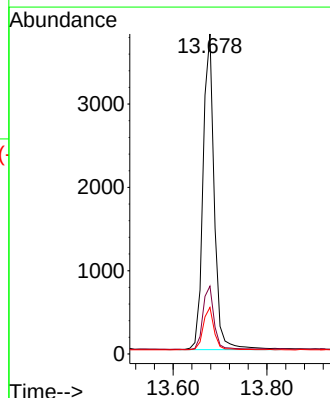
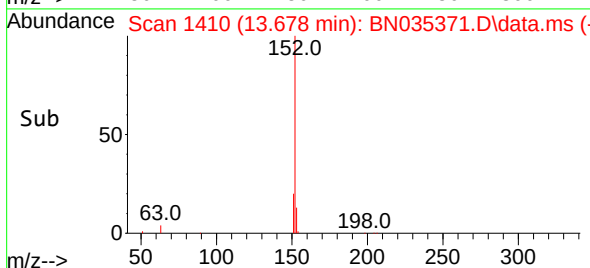
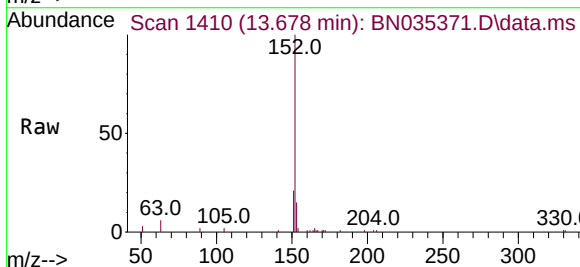
Manual Integrations
APPROVED

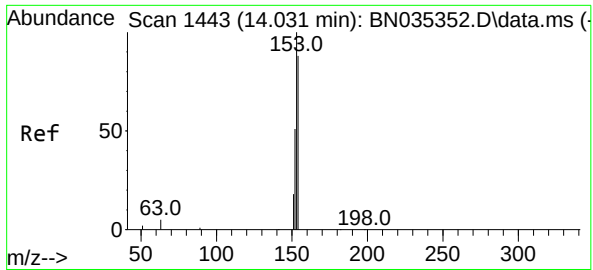
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#16
Acenaphthylene
Concen: 0.394 ng
RT: 13.678 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

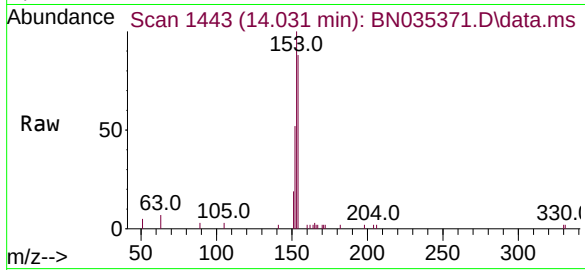
Tgt Ion:152 Resp: 6299
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.1 10.4 15.6





#17
Acenaphthene
Concen: 0.379 ng
RT: 14.031 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

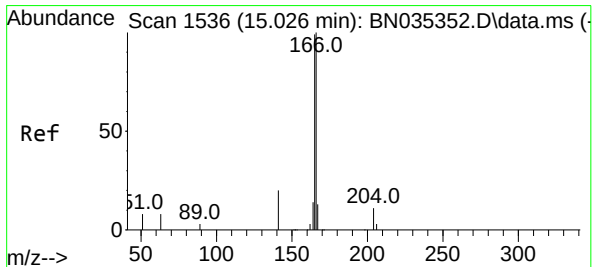
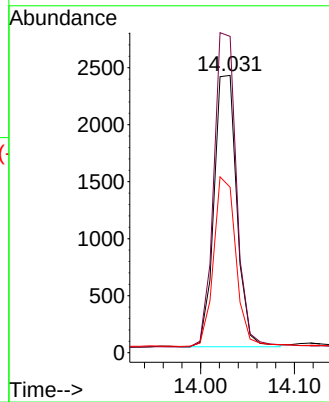
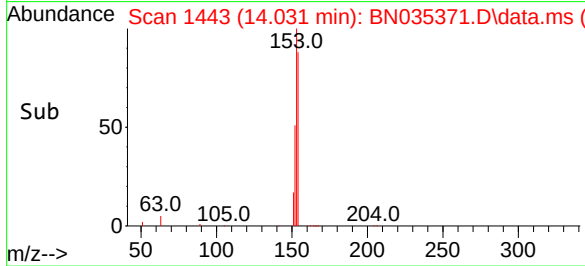
Instrument :
BNA_N
ClientSampleId :
PB165198BSD



Tgt Ion:154 Resp: 4018
Ion Ratio Lower Upper
154 100
153 116.3 92.6 139.0
152 62.2 49.0 73.6

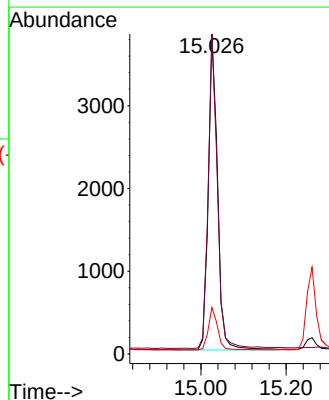
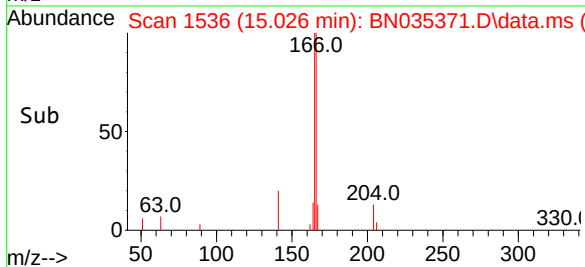
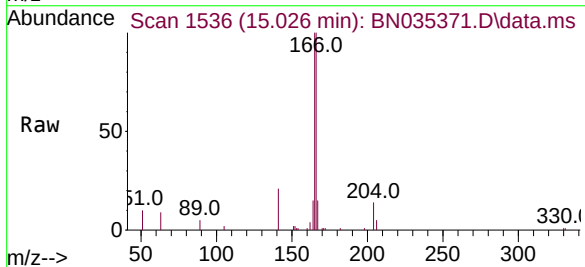
Manual Integrations
APPROVED

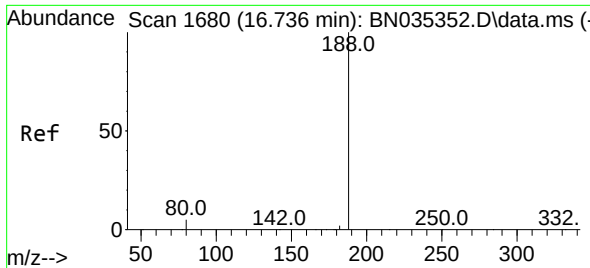
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#18
Fluorene
Concen: 0.378 ng
RT: 15.026 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

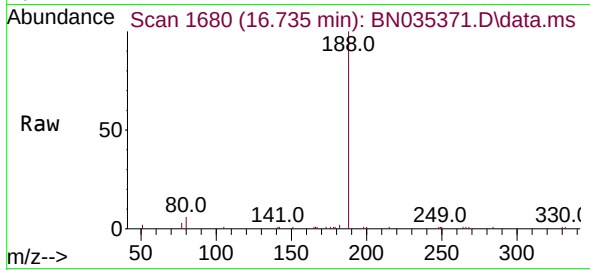
Tgt Ion:166 Resp: 5740
Ion Ratio Lower Upper
166 100
165 97.3 79.7 119.5
167 13.5 10.8 16.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.735 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

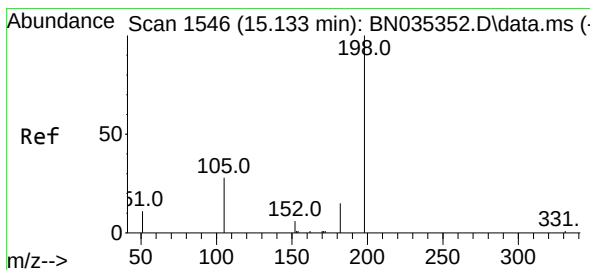
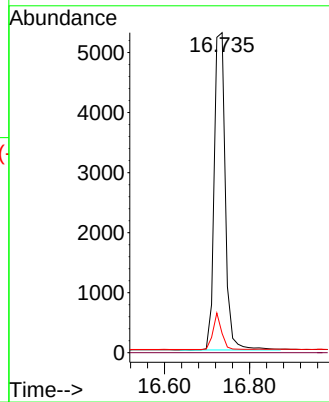
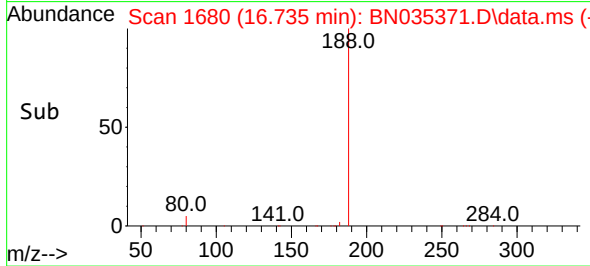
Instrument :
BNA_N
ClientSampleId :
PB165198BSD



Tgt Ion:188 Resp: 956
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.0 4.6 6.8

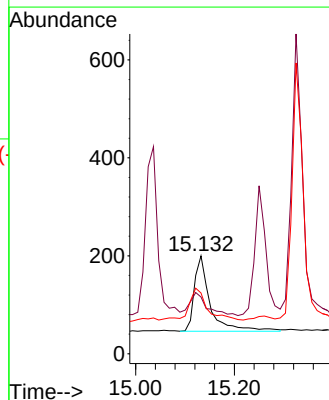
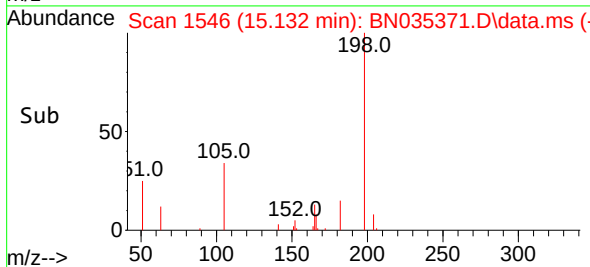
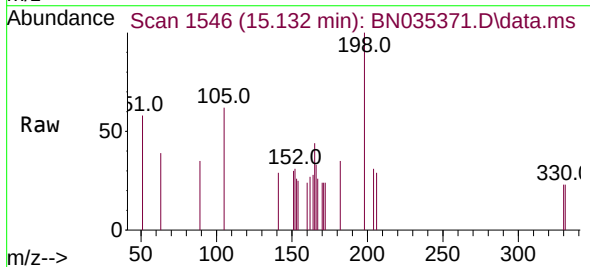
Manual Integrations
APPROVED

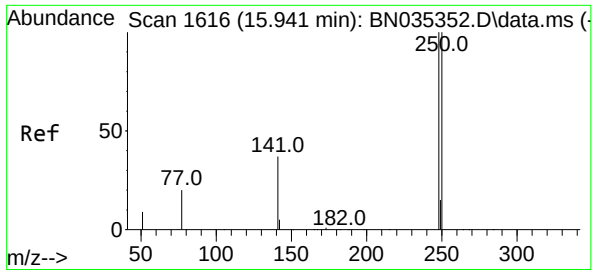
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#20
4,6-Dinitro-2-methylphenol
Concen: 0.366 ng
RT: 15.132 min Scan# 1546
Delta R.T. -0.001 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:198 Resp: 344
Ion Ratio Lower Upper
198 100
51 58.0 46.5 69.7
105 62.0 45.3 67.9





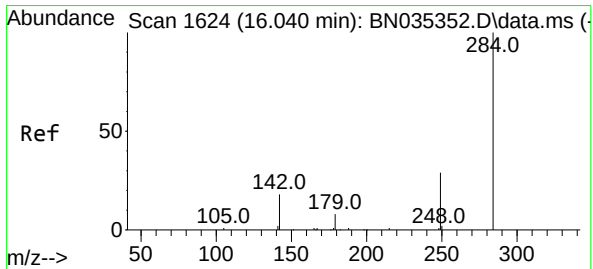
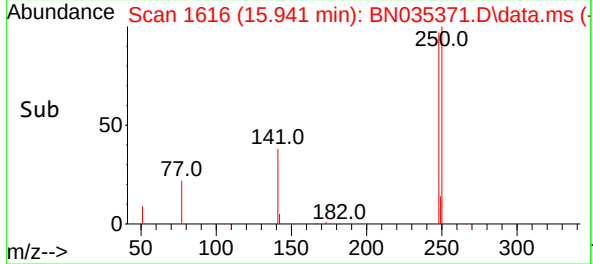
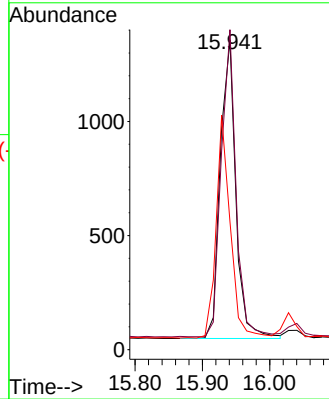
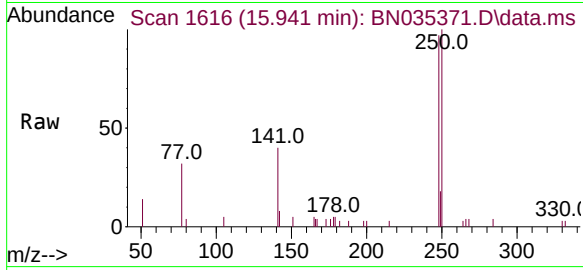
#21
4-Bromophenyl-phenylether
Concen: 0.376 ng
RT: 15.941 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Instrument :
BNA_N
ClientSampleId :
PB165198BSD

Tgt Ion	Ratio	Lower	Upper
248	100		
250	103.4	80.6	120.8
141	41.4	31.5	47.3

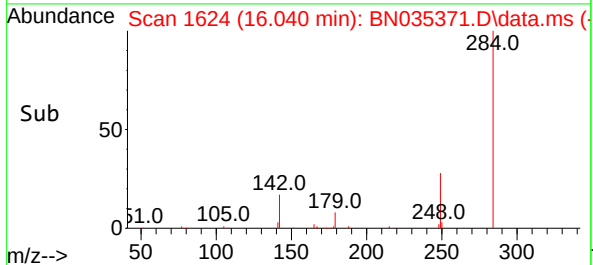
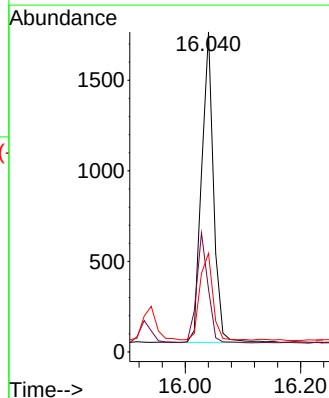
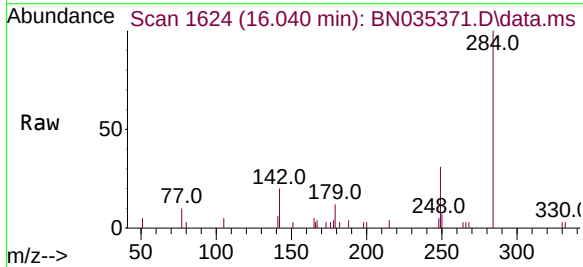
Manual Integrations
APPROVED

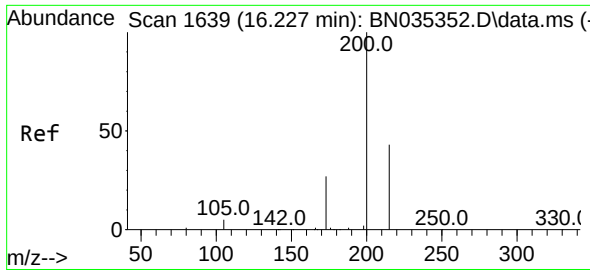
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#22
Hexachlorobenzene
Concen: 0.375 ng
RT: 16.040 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

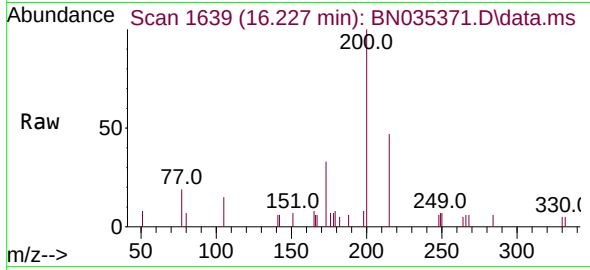
Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.3	26.7	40.1
249	30.7	24.6	36.8





#23
Atrazine
Concen: 0.357 ng
RT: 16.227 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

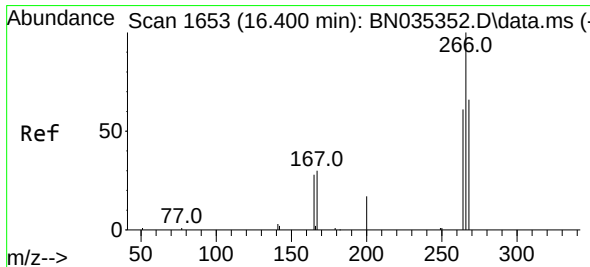
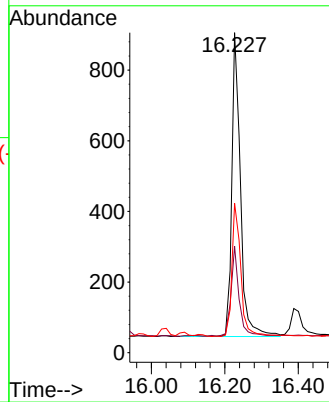
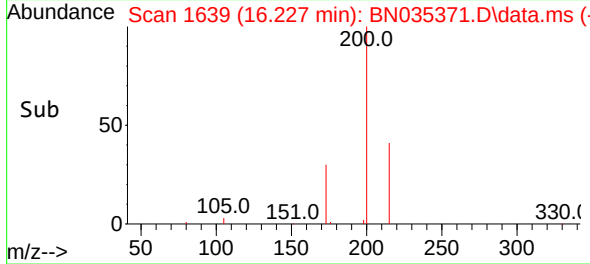
Instrument :
BNA_N
ClientSampleId :
PB165198BSD



Tgt Ion:200 Resp: 1420
Ion Ratio Lower Upper
200 100
173 33.3 24.1 36.1
215 46.7 36.9 55.3

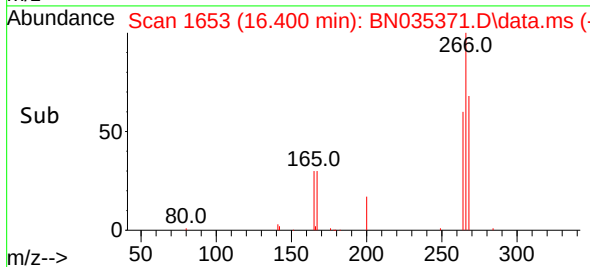
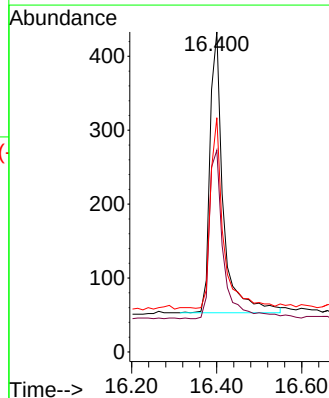
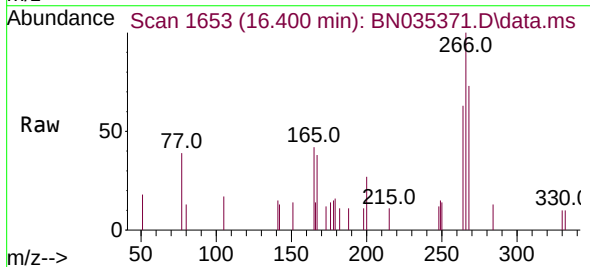
Manual Integrations
APPROVED

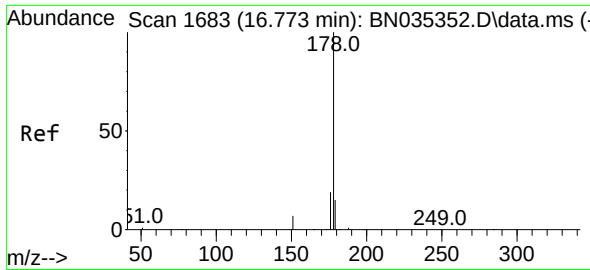
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#24
Pentachlorophenol
Concen: 0.290 ng
RT: 16.400 min Scan# 1653
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:266 Resp: 828
Ion Ratio Lower Upper
266 100
264 63.5 42.3 63.5#
268 65.7 43.3 64.9#





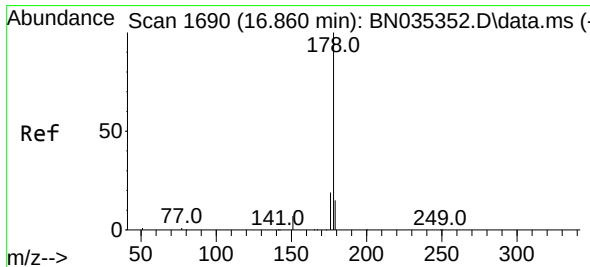
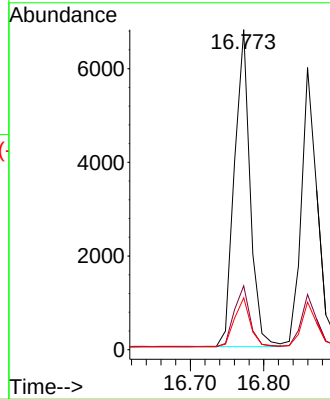
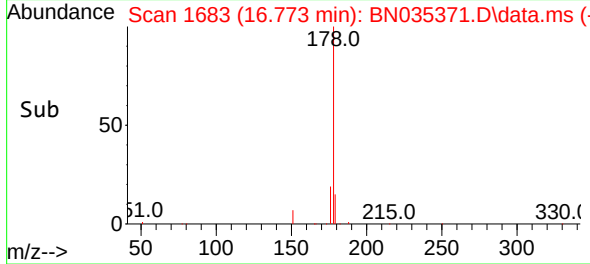
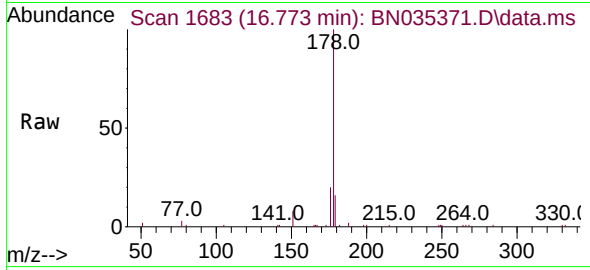
#25
Phenanthrene
Concen: 0.383 ng
RT: 16.773 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Instrument :
BNA_N
ClientSampleId :
PB165198BSD

Tgt Ion:178 Resp: 1005
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.3 12.3 18.5

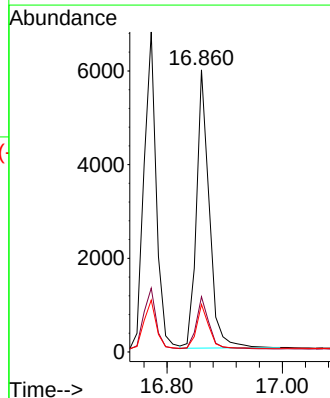
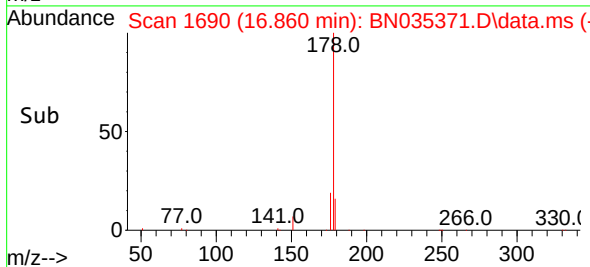
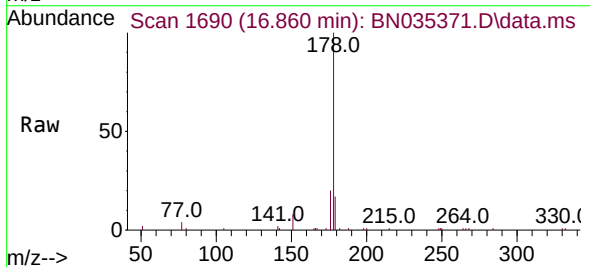
Manual Integrations
APPROVED

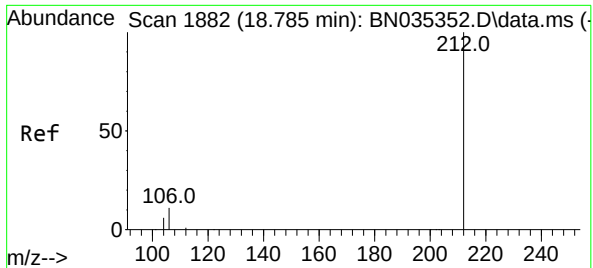
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#26
Anthracene
Concen: 0.386 ng
RT: 16.860 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:178 Resp: 9171
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.4 12.6 18.8





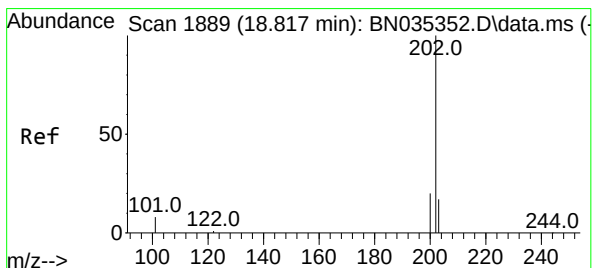
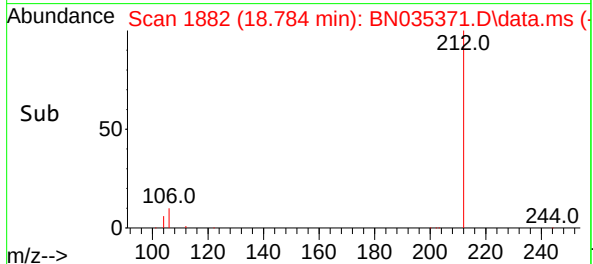
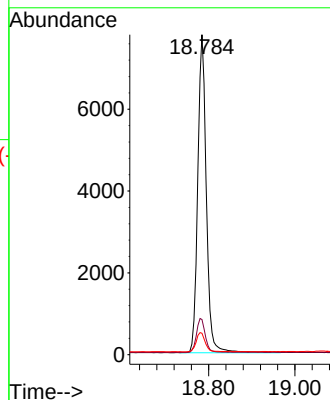
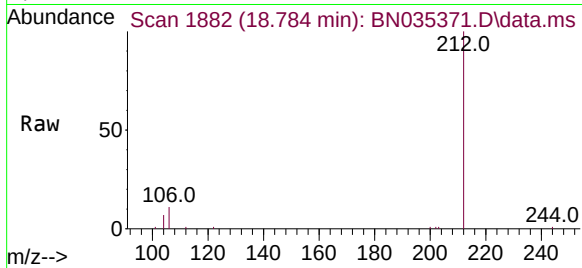
#27
Fluoranthene-d10
Concen: 0.395 ng
RT: 18.784 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Instrument :
BNA_N
ClientSampleId :
PB165198BSD

Tgt Ion:212 Resp: 1071
Ion Ratio Lower Upper
212 100
106 10.9 9.2 13.8
104 6.3 5.3 7.9

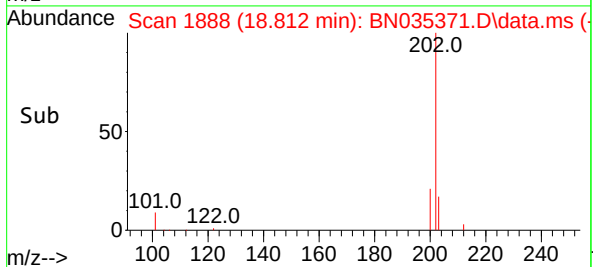
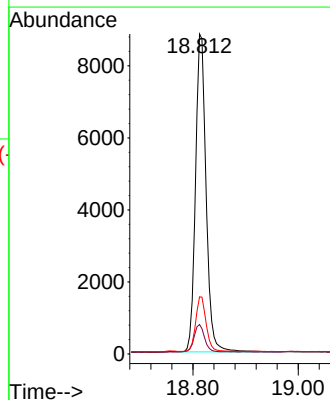
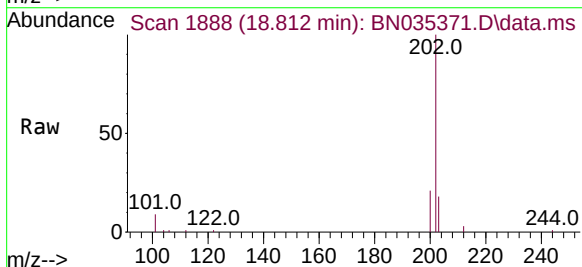
Manual Integrations
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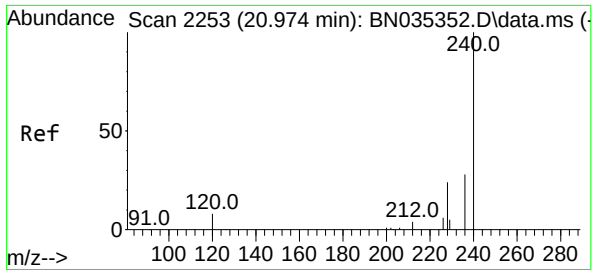
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#28
Fluoranthene
Concen: 0.347 ng
RT: 18.812 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:202 Resp: 12304
Ion Ratio Lower Upper
202 100
101 8.9 7.4 11.0
203 17.0 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.974 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

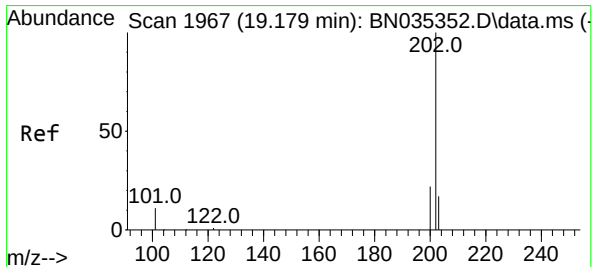
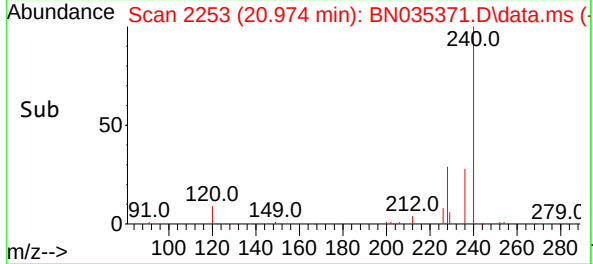
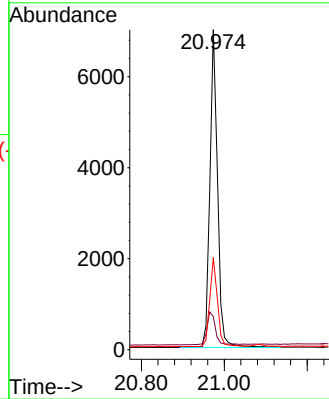
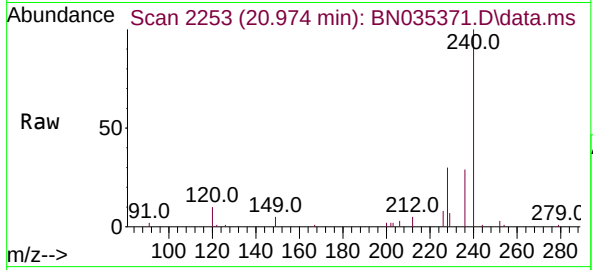
Instrument :

BNA_N

ClientSampleId :

PB165198BSD

Tgt Ion:	240	Resp:	894
Ion Ratio	Lower	Upper	
240	100		
120	10.4	7.9	11.9
236	28.8	22.9	34.3

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024

#30

Pyrene

Concen: 0.384 ng

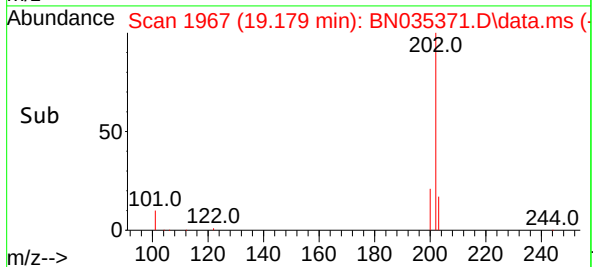
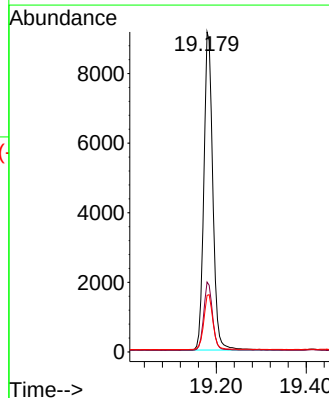
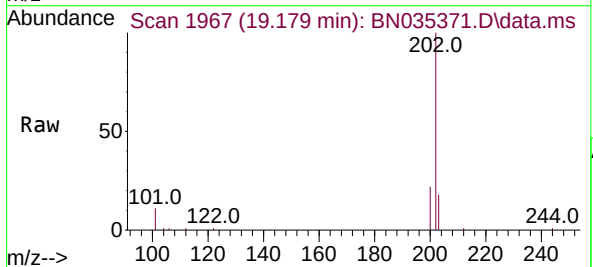
RT: 19.179 min Scan# 1967

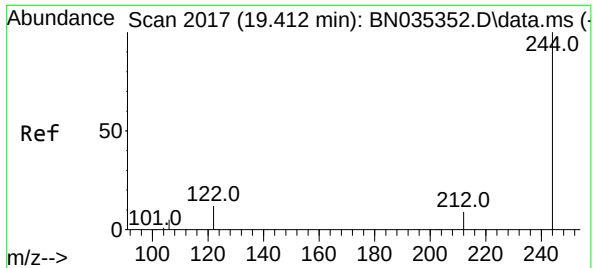
Delta R.T. -0.000 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

Tgt Ion:	202	Resp:	12695
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.0	25.4
203	17.6	14.3	21.5





#31
Terphenyl-d14
Concen: 0.451 ng
RT: 19.412 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Instrument :

BNA_N

ClientSampleId :

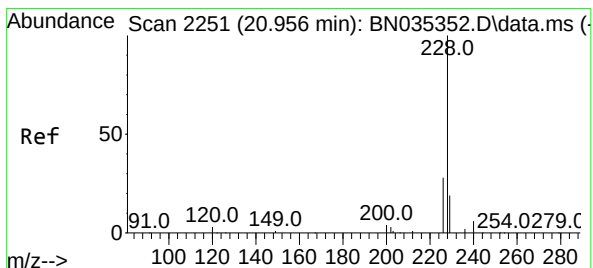
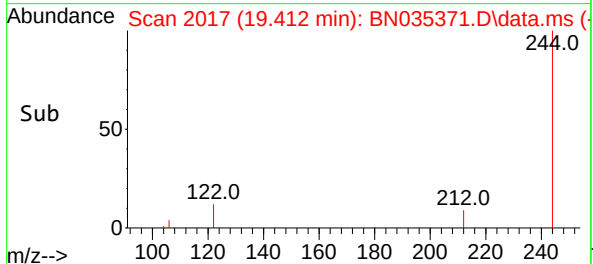
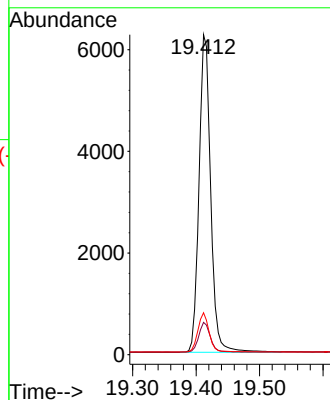
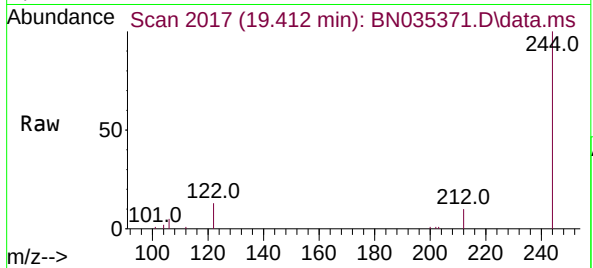
PB165198BSD

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.1	8.1	12.1
122	13.1	10.3	15.5

Manual Integrations

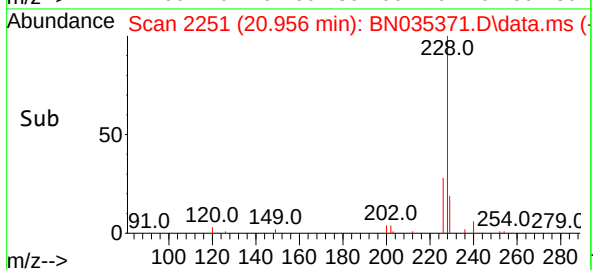
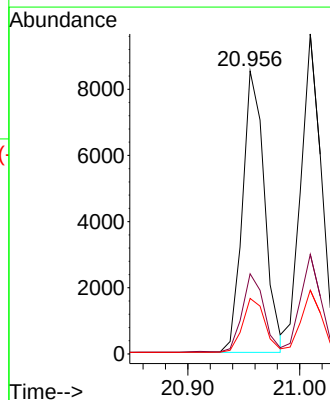
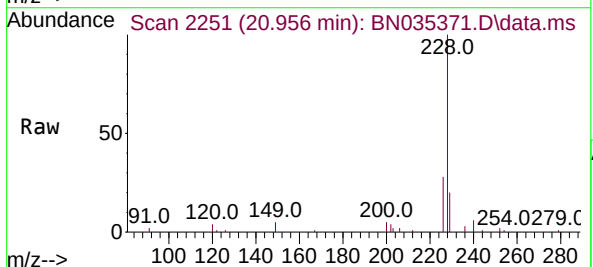
APPROVED

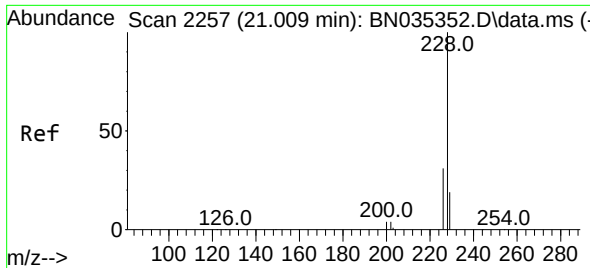
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#32
Benzo(a)anthracene
Concen: 0.371 ng
RT: 20.956 min Scan# 2251
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

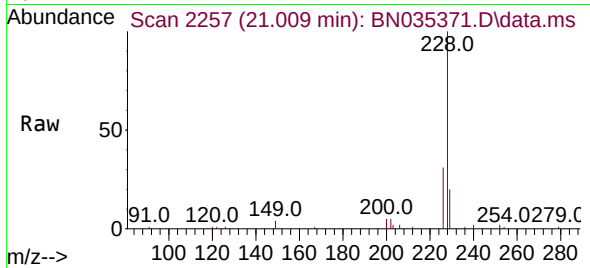
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.5	33.7
229	19.6	15.8	23.8





#33
Chrysene
Concen: 0.393 ng
RT: 21.009 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

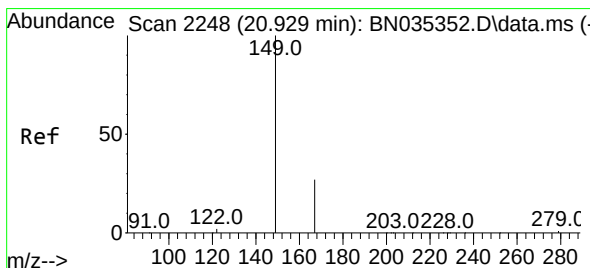
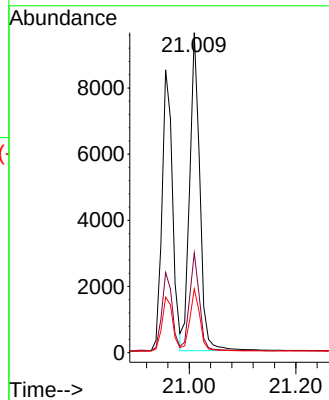
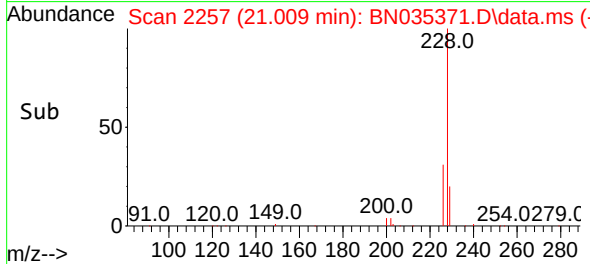
Instrument :
BNA_N
ClientSampleId :
PB165198BSD



Tgt Ion:228 Resp: 1268
Ion Ratio Lower Upper
228 100
226 31.2 24.6 37.0
229 20.0 15.9 23.9

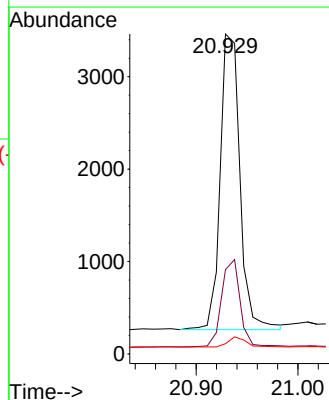
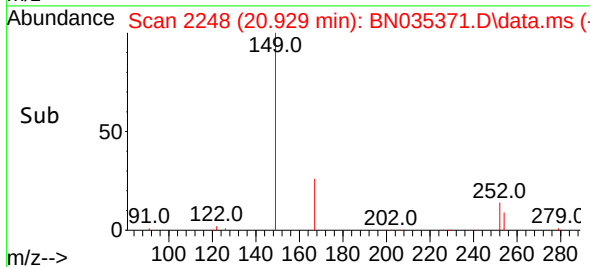
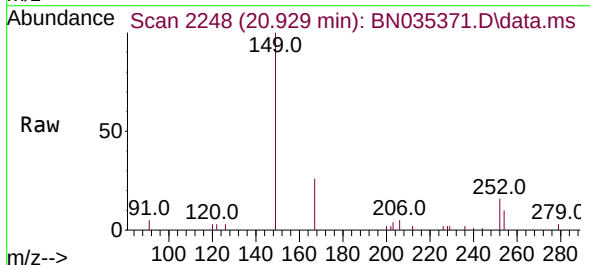
Manual Integrations
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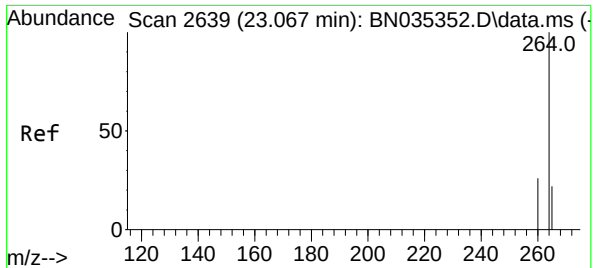
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.348 ng
RT: 20.929 min Scan# 2248
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

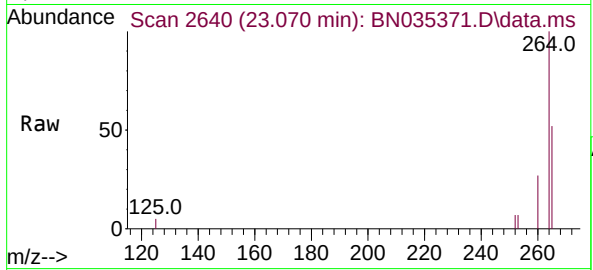
Tgt Ion:149 Resp: 4303
Ion Ratio Lower Upper
149 100
167 27.9 22.2 33.4
279 3.3 2.7 4.1





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.070 min Scan# 2640
Delta R.T. 0.003 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

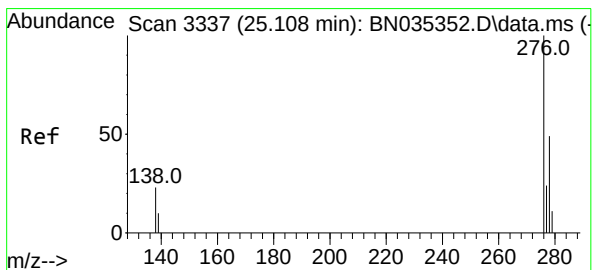
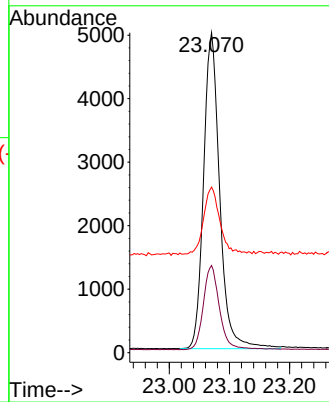
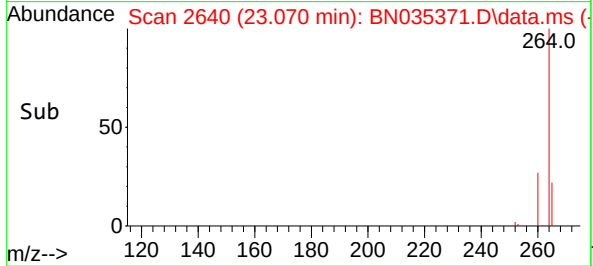
Instrument :
BNA_N
ClientSampleId :
PB165198BSD



Tgt Ion:264 Resp: 9280
Ion Ratio Lower Upper
264 100
260 27.3 21.4 32.2
265 51.7 40.2 60.4

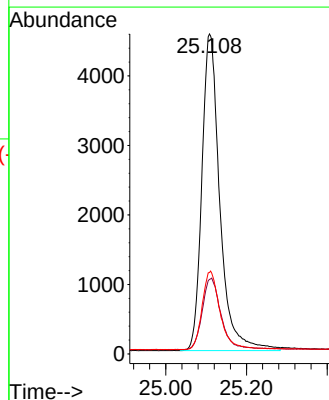
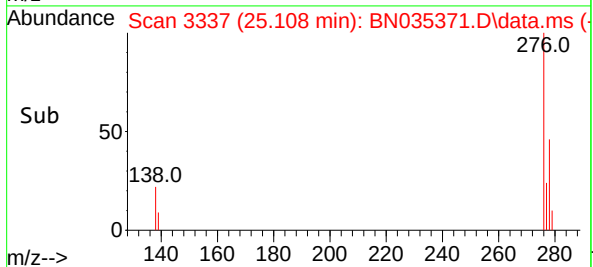
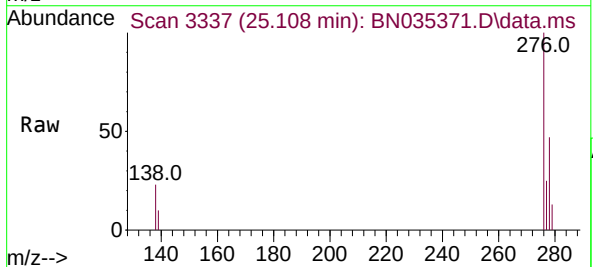
Manual Integrations
APPROVED

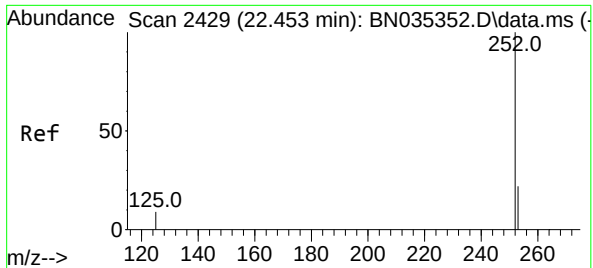
Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.389 ng
RT: 25.108 min Scan# 3337
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:276 Resp: 14123
Ion Ratio Lower Upper
276 100
138 23.3 19.4 29.0
277 24.7 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.367 ng

RT: 22.456 min Scan# 2430

Delta R.T. 0.003 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

Instrument :

BNA_N

ClientSampleId :

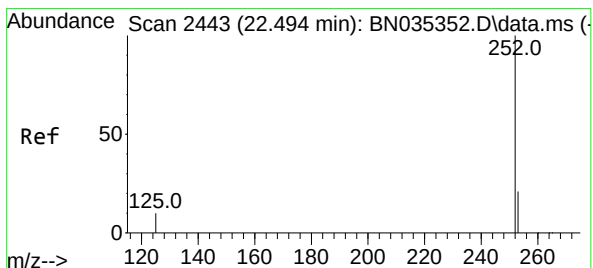
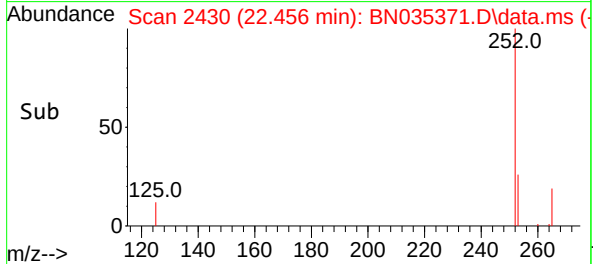
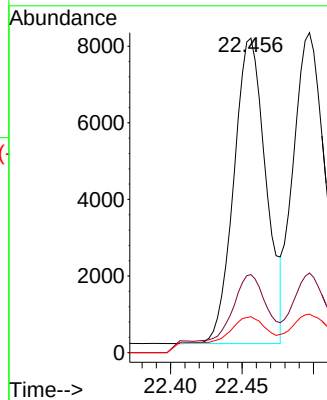
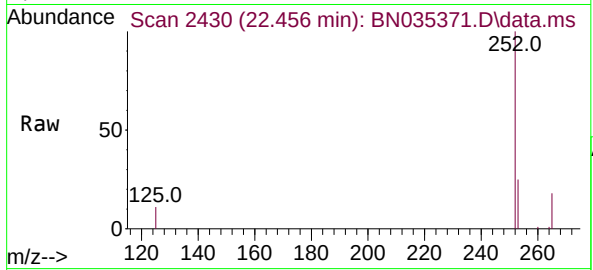
PB165198BSD

Tgt Ion:	252	Resp:	1245
Ion Ratio	Lower	Upper	
252	100		
253	24.8	19.6	29.4
125	11.4	9.6	14.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



#38

Benzo(k)fluoranthene

Concen: 0.394 ng

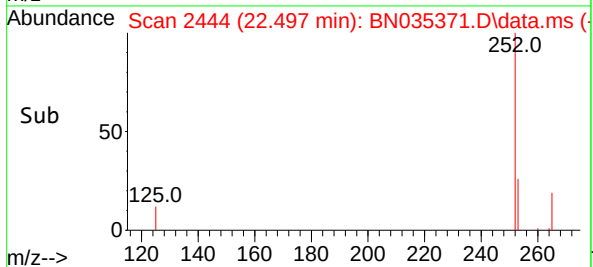
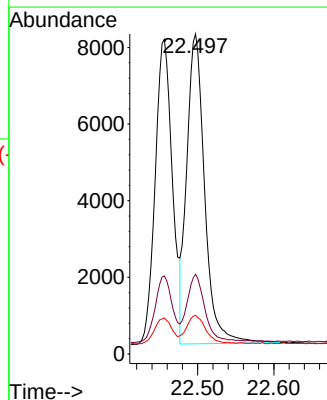
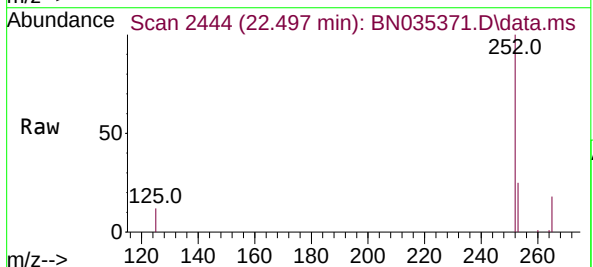
RT: 22.497 min Scan# 2444

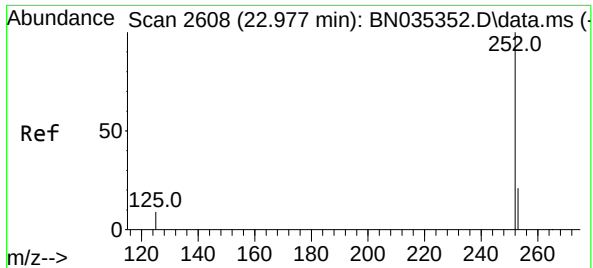
Delta R.T. 0.003 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

Tgt Ion:	252	Resp:	13182
Ion Ratio	Lower	Upper	
252	100		
253	24.9	19.5	29.3
125	12.1	10.2	15.4





#39

Benzo(a)pyrene

Concen: 0.403 ng

RT: 22.980 min Scan# 2609

Delta R.T. 0.003 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

Instrument :

BNA_N

ClientSampleId :

PB165198BSD

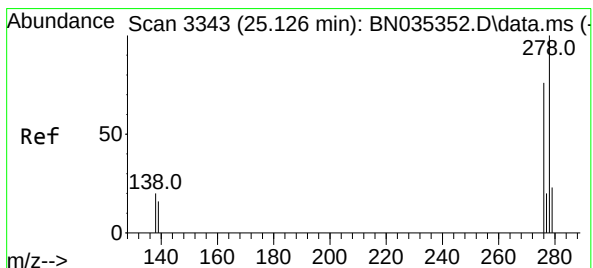
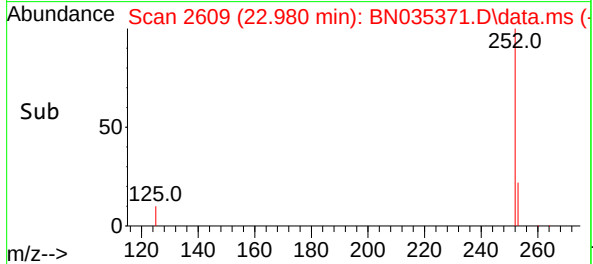
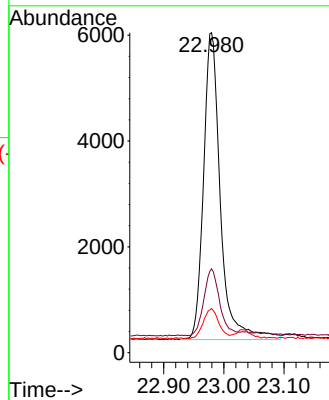
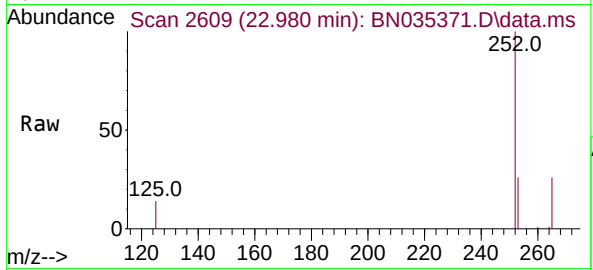
Tgt Ion:	252	Resp:	1127
Ion Ratio	Lower	Upper	
252	100		
253	26.2	20.2	30.4
125	13.8	10.9	16.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.384 ng

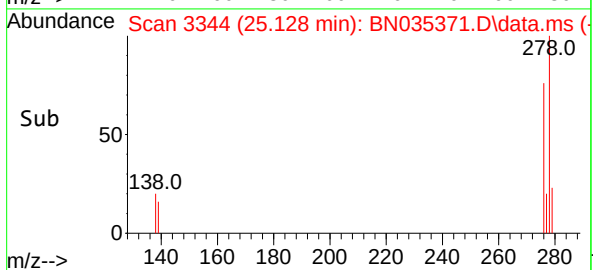
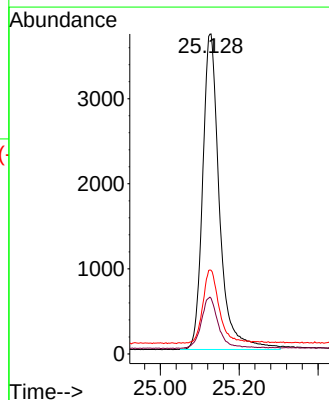
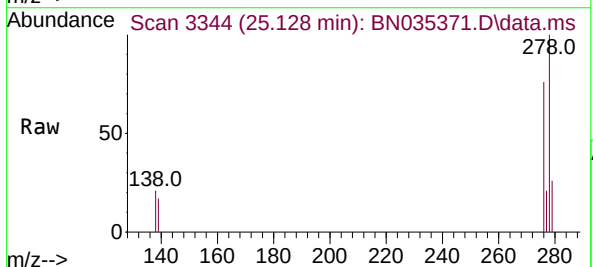
RT: 25.128 min Scan# 3344

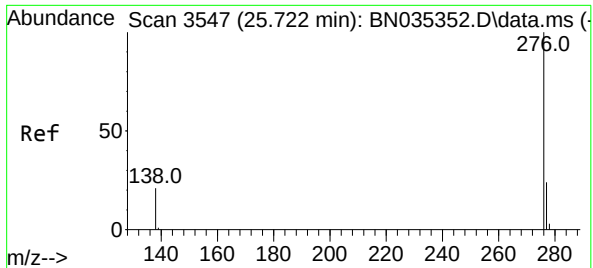
Delta R.T. 0.003 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

Tgt Ion:	278	Resp:	10990
Ion Ratio	Lower	Upper	
278	100		
139	17.4	14.2	21.4
279	26.1	20.5	30.7





#41

Benzo(g,h,i)perylene

Concen: 0.355 ng

RT: 25.725 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN035371.D

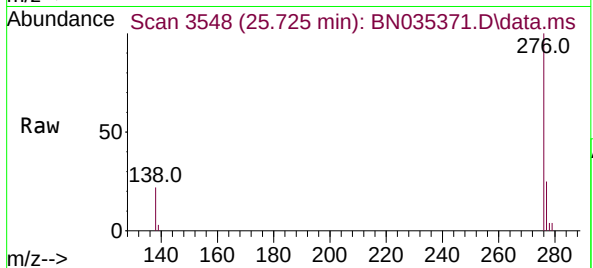
Acq: 28 Nov 2024 06:39

Instrument :

BNA_N

ClientSampleId :

PB165198BSD



Tgt Ion:276 Resp: 1060

Ion Ratio Lower Upper

276 100

277 25.1 19.9 29.9

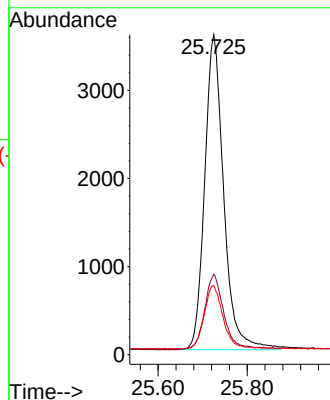
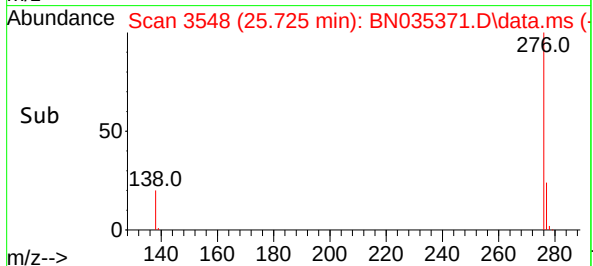
138 21.6 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024



Manual Integration Report

Sequence:	BN112524	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.1	BN035277.D	Nitrobenzene-d5	yogesh	11/27/2024 5:29:21 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
SSTDICC0.2	BN035278.D	Nitrobenzene-d5	yogesh	11/27/2024 5:29:22 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
SSTDICV0.4	BN035284.D	Fluoranthene-d10	yogesh	11/27/2024 5:29:23 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
SSTDCCC0.4	BN035291.D	Nitrobenzene-d5	yogesh	11/27/2024 5:29:34 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
SSTDCCC0.4	BN035293.D	Nitrobenzene-d5	yogesh	11/27/2024 5:29:52 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
P4959-01	BN035297.D	Nitrobenzene-d5	yogesh	11/27/2024 5:30:17 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
P4959-02	BN035298.D	Nitrobenzene-d5	yogesh	11/27/2024 5:30:18 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
P4959-03	BN035299.D	Nitrobenzene-d5	yogesh	11/27/2024 5:30:20 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
SSTDCCC0.4	BN035300.D	Nitrobenzene-d5	yogesh	11/27/2024 5:30:22 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	BN112724	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDIC0.1	BN035350.D	Benzo(k)fluoranthene	yogesh	11/29/2024 12:47:08 AM	mohammad	11/29/2024 12:50:55 AM	Peak Integrated by Software
SSTDIC0.1	BN035350.D	Nitrobenzene-d5	yogesh	11/29/2024 12:47:08 AM	mohammad	11/29/2024 12:50:55 AM	Peak Integrated by Software
SSTDIC0.2	BN035351.D	Benzo(k)fluoranthene	yogesh	11/29/2024 12:47:10 AM	mohammad	11/29/2024 12:50:55 AM	Peak Integrated by Software
SSTDIC0.2	BN035351.D	Nitrobenzene-d5	yogesh	11/29/2024 12:47:10 AM	mohammad	11/29/2024 12:50:55 AM	Peak Integrated by Software
SSTDIC0.4	BN035352.D	Nitrobenzene-d5	yogesh	11/29/2024 12:47:11 AM	mohammad	11/29/2024 12:50:55 AM	Peak Integrated by Software
SSTDICV0.4	BN035357.D	Nitrobenzene-d5	yogesh	11/29/2024 12:47:22 AM	mohammad	11/29/2024 12:50:55 AM	Peak Integrated by Software
SSTDCCC0.4	BN035366.D	Nitrobenzene-d5	yogesh	11/29/2024 12:47:37 AM	mohammad	11/29/2024 12:50:55 AM	Peak Integrated by Software
SSTDCCC0.4	BN035368.D	Nitrobenzene-d5	yogesh	11/29/2024 12:48:03 AM	mohammad	11/29/2024 12:50:55 AM	Peak Integrated by Software
PB165198BL	BN035369.D	Nitrobenzene-d5	yogesh	11/29/2024 12:48:04 AM	mohammad	11/29/2024 12:50:55 AM	Peak Integrated by Software
PB165198BS	BN035370.D	Nitrobenzene-d5	yogesh	11/29/2024 12:48:07 AM	mohammad	11/29/2024 12:50:55 AM	Peak Integrated by Software
PB165198BSD	BN035371.D	Nitrobenzene-d5	yogesh	11/29/2024 12:48:08 AM	mohammad	11/29/2024 12:50:55 AM	Peak Integrated by Software
P4959-01DL	BN035374.D	Nitrobenzene-d5	yogesh	11/29/2024 12:48:16 AM	mohammad	11/29/2024 12:50:55 AM	Peak Integrated by Software
SSTDCCC0.4	BN035375.D	Nitrobenzene-d5	yogesh	11/29/2024 12:48:17 AM	mohammad	11/29/2024 12:50:55 AM	Peak Integrated by Software



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:

BN112724

Instrument

BNA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN112524

Review By	yogesh	Review On	11/27/2024 5:30:45 AM
Supervise By	mohammad	Supervise On	11/27/2024 6:04:55 AM
SubDirectory	BN112524	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn112524
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657		
CCC	SP6661		
Internal Standard/PEM	SP6527,1ul/100ul sample		
ICV/I.BLK	SP6548		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN035276.D	25 Nov 2024 09:37	RC/JU	Ok
2	SSTDIC0.1	BN035277.D	25 Nov 2024 10:16	RC/JU	Ok,M
3	SSTDIC0.2	BN035278.D	25 Nov 2024 10:52	RC/JU	Ok,M
4	SSTDIC0.4	BN035279.D	25 Nov 2024 11:28	RC/JU	Ok
5	SSTDIC0.8	BN035280.D	25 Nov 2024 12:04	RC/JU	Ok
6	SSTDIC1.6	BN035281.D	25 Nov 2024 12:40	RC/JU	Ok
7	SSTDIC3.2	BN035282.D	25 Nov 2024 13:16	RC/JU	Ok
8	SSTDIC5.0	BN035283.D	25 Nov 2024 13:52	RC/JU	Ok
9	SSTDICV0.4	BN035284.D	25 Nov 2024 14:29	RC/JU	Ok,M
10	PB165150BL	BN035285.D	25 Nov 2024 15:44	RC/JU	Ok,M
11	P4934-02	BN035286.D	25 Nov 2024 16:20	RC/JU	Ok
12	P4934-05	BN035287.D	25 Nov 2024 16:56	RC/JU	Ok,M
13	P4934-06MS	BN035288.D	25 Nov 2024 17:32	RC/JU	Ok,M
14	P4934-07MSD	BN035289.D	25 Nov 2024 18:08	RC/JU	Ok,M
15	PB165150BS	BN035290.D	25 Nov 2024 18:44	RC/JU	Ok,M
16	SSTDIC0.4	BN035291.D	25 Nov 2024 19:20	RC/JU	Ok,M
17	DFTPP	BN035292.D	25 Nov 2024 20:35	RC/JU	Ok
18	SSTDIC0.4	BN035293.D	25 Nov 2024 23:02	RC/JU	Ok,M
19	PB165198BL	BN035294.D	25 Nov 2024 23:38	RC/JU	Ok,M
20	PB165198BS	BN035295.D	26 Nov 2024 00:14	RC/JU	Not Ok
21	PB165198BSD	BN035296.D	26 Nov 2024 00:50	RC/JU	Not Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN112524

Review By	yogesh	Review On	11/27/2024 5:30:45 AM
Supervise By	mohammad	Supervise On	11/27/2024 6:04:55 AM
SubDirectory	BN112524	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn112524
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657		
CCC	SP6661		
Internal Standard/PEM	SP6527,1ul/100ul sample		
ICV/I.BLK	SP6548		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4959-01	BN035297.D	26 Nov 2024 01:26	RC/JU	Dilution
23	P4959-02	BN035298.D	26 Nov 2024 02:02	RC/JU	Ok,M
24	P4959-03	BN035299.D	26 Nov 2024 02:38	RC/JU	Ok,M
25	SSTDCCC0.4	BN035300.D	26 Nov 2024 03:14	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN112724

Review By	yogesh	Review On	11/29/2024 12:48:33 AM
Supervise By	mohammad	Supervise On	11/29/2024 12:50:55 AM
SubDirectory	BN112724	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn112724
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657		
CCC	SP6661		
Internal Standard/PEM	SP6527,1ul/100ul sample		
ICV/I.BLK	SP6548		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN035349.D	27 Nov 2024 14:55	RC/JU	Ok
2	SSTDIC0.1	BN035350.D	27 Nov 2024 15:34	RC/JU	Ok,M
3	SSTDIC0.2	BN035351.D	27 Nov 2024 16:10	RC/JU	Ok,M
4	SSTDIC0.4	BN035352.D	27 Nov 2024 16:46	RC/JU	Ok,M
5	SSTDIC0.8	BN035353.D	27 Nov 2024 17:21	RC/JU	Ok
6	SSTDIC1.6	BN035354.D	27 Nov 2024 17:57	RC/JU	Ok
7	SSTDIC3.2	BN035355.D	27 Nov 2024 18:33	RC/JU	Ok
8	SSTDIC5.0	BN035356.D	27 Nov 2024 19:09	RC/JU	Ok
9	SSTDICV0.4	BN035357.D	27 Nov 2024 20:21	RC/JU	Ok,M
10	PB165224BL	BN035358.D	27 Nov 2024 20:57	RC/JU	Ok,M
11	PB165266BL	BN035359.D	27 Nov 2024 21:32	RC/JU	Ok,M
12	PB165224BS	BN035360.D	27 Nov 2024 22:08	RC/JU	Ok,M
13	PB165224BSD	BN035361.D	27 Nov 2024 22:44	RC/JU	Ok,M
14	P4969-02	BN035362.D	27 Nov 2024 23:20	RC/JU	Ok,M
15	P4969-04	BN035363.D	27 Nov 2024 23:56	RC/JU	Ok,M
16	P5003-02	BN035364.D	28 Nov 2024 00:32	RC/JU	Ok,M
17	P5003-03	BN035365.D	28 Nov 2024 01:08	RC/JU	Ok,M
18	SSTDCCC0.4	BN035366.D	28 Nov 2024 02:20	RC/JU	Ok,M
19	DFTPP	BN035367.D	28 Nov 2024 03:35	RC/JU	Ok
20	SSTDCCC0.4	BN035368.D	28 Nov 2024 04:51	RC/JU	Ok,M
21	PB165198BL	BN035369.D	28 Nov 2024 05:27	RC/JU	Ok,M

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN112724

Review By	yogesh	Review On	11/29/2024 12:48:33 AM
Supervise By	mohammad	Supervise On	11/29/2024 12:50:55 AM
SubDirectory	BN112724	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn112724
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657		
CCC	SP6661		
Internal Standard/PEM	SP6527,1ul/100ul sample		
ICV/I.BLK	SP6548		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB165198BS	BN035370.D	28 Nov 2024 06:03	RC/JU	Ok,M
23	PB165198BSD	BN035371.D	28 Nov 2024 06:39	RC/JU	Ok,M
24	PB165266BS	BN035372.D	28 Nov 2024 07:15	RC/JU	Ok,M
25	PB165266BSD	BN035373.D	28 Nov 2024 07:50	RC/JU	Ok,M
26	P4959-01DL	BN035374.D	28 Nov 2024 08:26	RC/JU	Ok,M
27	SSTDCCC0.4	BN035375.D	28 Nov 2024 09:02	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN112524

Review By	yogesh	Review On	11/27/2024 5:30:45 AM
Supervise By	mohammad	Supervise On	11/27/2024 6:04:55 AM
SubDirectory	BN112524	HP Acquire Method	BNA_N, 8270_HP Processing Method bn112524

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6573 SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6661 SP6527,1ul/100ul sample SP6548

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN035276.D	25 Nov 2024 09:37		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN035277.D	25 Nov 2024 10:16	Compound #3,20,24,34 removed from 0.1ppm	RC/JU	Ok,M
3	SSTDICC0.2	SSTDICC0.2	BN035278.D	25 Nov 2024 10:52	Compound #20 Kept on LR	RC/JU	Ok,M
4	SSTDICCC0.4	SSTDICCC0.4	BN035279.D	25 Nov 2024 11:28	This calibration is used for Only 1-4 Dioxane DOD Sample	RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN035280.D	25 Nov 2024 12:04		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN035281.D	25 Nov 2024 12:40		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN035282.D	25 Nov 2024 13:16		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN035283.D	25 Nov 2024 13:52	Compound #20,24,30,34 removed from 5.0ppm	RC/JU	Ok
9	SSTDICV0.4	ICVBN112524	BN035284.D	25 Nov 2024 14:29		RC/JU	Ok,M
10	PB165150BL	PB165150BL	BN035285.D	25 Nov 2024 15:44		RC/JU	Ok,M
11	P4934-02	BPOW6-11-20241118	BN035286.D	25 Nov 2024 16:20		RC/JU	Ok
12	P4934-05	BPOW6-10-20241119	BN035287.D	25 Nov 2024 16:56		RC/JU	Ok,M
13	P4934-06MS	BPOW6-10-20241118M	BN035288.D	25 Nov 2024 17:32		RC/JU	Ok,M
14	P4934-07MSD	BPOW6-10-20241118M	BN035289.D	25 Nov 2024 18:08		RC/JU	Ok,M
15	PB165150BS	PB165150BS	BN035290.D	25 Nov 2024 18:44		RC/JU	Ok,M
16	SSTDCCC0.4	SSTDCCC0.4EC	BN035291.D	25 Nov 2024 19:20		RC/JU	Ok,M
17	DFTPP	DFTPP	BN035292.D	25 Nov 2024 20:35		RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN112524

Review By	yogesh	Review On	11/27/2024 5:30:45 AM
Supervise By	mohammad	Supervise On	11/27/2024 6:04:55 AM
SubDirectory	BN112524	HP Acquire Method	BNA_N, 8270_HP Processing Method bn112524
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657		
CCC	SP6661		
Internal Standard/PEM	SP6527,1ul/100ul sample		
ICV/I.BLK	SP6548		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	SSTDCCC0.4	SSTDCCC0.4	BN035293.D	25 Nov 2024 23:02	CCC Fail high side for compound #2	RC/JU	Ok,M
19	PB165198BL	PB165198BL	BN035294.D	25 Nov 2024 23:38		RC/JU	Ok,M
20	PB165198BS	PB165198BS	BN035295.D	26 Nov 2024 00:14	CCC fail high side for compound #2	RC/JU	Not Ok
21	PB165198BSD	PB165198BSD	BN035296.D	26 Nov 2024 00:50	CCC fail high side for compound #2	RC/JU	Not Ok
22	P4959-01	RW5-SP100-20241121	BN035297.D	26 Nov 2024 01:26	Need 5X Dilution, CCC fail high side for compound #2	RC/JU	Dilution
23	P4959-02	RW5-SP201-20241121	BN035298.D	26 Nov 2024 02:02		RC/JU	Ok,M
24	P4959-03	RW5-SP303-20241121	BN035299.D	26 Nov 2024 02:38		RC/JU	Ok,M
25	SSTDCCC0.4	SSTDCCC0.4EC	BN035300.D	26 Nov 2024 03:14		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN112724

Review By	yogesh	Review On	11/29/2024 12:48:33 AM
Supervise By	mohammad	Supervise On	11/29/2024 12:50:55 AM
SubDirectory	BN112724	HP Acquire Method	BNA_N, 8270_HP Processing Method bn112724

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6548
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN035349.D	27 Nov 2024 14:55		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN035350.D	27 Nov 2024 15:34		RC/JU	Ok,M
3	SSTDICC0.2	SSTDICC0.2	BN035351.D	27 Nov 2024 16:10		RC/JU	Ok,M
4	SSTDICCC0.4	SSTDICCC0.4	BN035352.D	27 Nov 2024 16:46	The Calibration is Good For DOD	RC/JU	Ok,M
5	SSTDICC0.8	SSTDICC0.8	BN035353.D	27 Nov 2024 17:21		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN035354.D	27 Nov 2024 17:57		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN035355.D	27 Nov 2024 18:33	Compound #20 removed from 3.2ppm	RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN035356.D	27 Nov 2024 19:09	Compound #20 removed from 5.0ppm	RC/JU	Ok
9	SSTDICV0.4	ICVBN112724	BN035357.D	27 Nov 2024 20:21		RC/JU	Ok,M
10	PB165224BL	PB165224BL	BN035358.D	27 Nov 2024 20:57		RC/JU	Ok,M
11	PB165266BL	PB165266BL	BN035359.D	27 Nov 2024 21:32		RC/JU	Ok,M
12	PB165224BS	PB165224BS	BN035360.D	27 Nov 2024 22:08		RC/JU	Ok,M
13	PB165224BSD	PB165224BSD	BN035361.D	27 Nov 2024 22:44		RC/JU	Ok,M
14	P4969-02	TOWER-1	BN035362.D	27 Nov 2024 23:20		RC/JU	Ok,M
15	P4969-04	TOWER-2	BN035363.D	27 Nov 2024 23:56		RC/JU	Ok,M
16	P5003-02	RW-10A-HYD-2024112	BN035364.D	28 Nov 2024 00:32		RC/JU	Ok,M
17	P5003-03	RW-10A-HYD-2024112	BN035365.D	28 Nov 2024 01:08		RC/JU	Ok,M

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN112724

Review By	yogesh	Review On	11/29/2024 12:48:33 AM
Supervise By	mohammad	Supervise On	11/29/2024 12:50:55 AM
SubDirectory	BN112724	HP Acquire Method	BNA_N, 8270_HP Processing Method bn112724

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6573 SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6661 SP6527,1ul/100ul sample SP6548

18	SSTDCCC0.4	SSTDCCC0.4EC	BN035366.D	28 Nov 2024 02:20		RC/JU	Ok,M
19	DFTPP	DFTPP	BN035367.D	28 Nov 2024 03:35		RC/JU	Ok
20	SSTDCCC0.4	SSTDCCC0.4	BN035368.D	28 Nov 2024 04:51		RC/JU	Ok,M
21	PB165198BL	PB165198BL	BN035369.D	28 Nov 2024 05:27		RC/JU	Ok,M
22	PB165198BS	PB165198BS	BN035370.D	28 Nov 2024 06:03		RC/JU	Ok,M
23	PB165198BSD	PB165198BSD	BN035371.D	28 Nov 2024 06:39		RC/JU	Ok,M
24	PB165266BS	PB165266BS	BN035372.D	28 Nov 2024 07:15		RC/JU	Ok,M
25	PB165266BSD	PB165266BSD	BN035373.D	28 Nov 2024 07:50		RC/JU	Ok,M
26	P4959-01DL	RW5-SP100-20241121	BN035374.D	28 Nov 2024 08:26		RC/JU	Ok,M
27	SSTDCCC0.4	SSTDCCC0.4EC	BN035375.D	28 Nov 2024 09:02		RC/JU	Ok,M

M : Manual Integration

Prep Standard - Chemical Standard Summary

Order ID : P4959

Test : SVOC-SIMGroup1

Prepbatch ID : PB165198,

Sequence ID/Qc Batch ID: BN112524,BN112724,

Standard ID :

EP2559,EP2562,EP2565,SP6527,SP6547,SP6548,SP6573,SP6606,SP6629,SP6656,SP6657,SP6658,SP6659,SP6660,SP6661,SP6662,SP6663,SP6666,

Chemical ID :

1ul/100ul

sample,E3551,E3657,E3746,E3759,E3768,E3788,E3791,E3817,E3818,E3828,M5173,S10103,S10247,S10782,S10977,S11003,S11011,S11097,S11494,S11566,S11766,S11771,S11831,S12029,S12077,S12079,S12096,S12105,S12113,S12117,S12126,S12189,S12207,S12314,S12453,W3112,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1874	10 N SODIUM HYDROXIDE SOLN	EP2559	11/14/2024	05/14/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024
<u>FROM</u>	1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2562	11/14/2024	01/03/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024
<u>FROM</u> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram								

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3493	Internal Standard 0.4 PPM	SP6527	06/10/2024	12/05/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/05/2024

FROM 0.10000ml of S12029 + 4.90000ml of E3759 = Final Quantity: 5.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3355	8270-SIM MDL-3.2PPM CALIBRATION STOCK SOL- 2ND	SP6547	07/08/2024	11/21/2024	Jagrut Upadhyay	None	None	mohammad ahmed
SOURCE 0.00630ml of S10977 + 0.01280ml of S11003 + 0.03200ml of S10782 + 0.03200ml of S11766 + 0.06400ml of S11566 + 0.06400ml of S12096 + 0.06400ml of S12117 + 19.72490ml of E3746 = Final Quantity: 20.000 ml								
FROM 0.00630ml of S10977 + 0.01280ml of S11003 + 0.03200ml of S10782 + 0.03200ml of S11766 + 0.06400ml of S11566 + 0.06400ml of S12096 + 0.06400ml of S12117 + 19.72490ml of E3746 = Final Quantity: 20.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3356	8270-SIM MDL-0.4PPM CALIBRATION SOL ICV-2ND	SP6548	07/08/2024	11/21/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/08/2024
SOURCE FROM 0.87500ml of E3746 + 0.01000ml of SP6527 + 0.12500ml of SP6547 = Final Quantity: 1.010 ml								

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3895	50 ug/ml DFTPP 8270E	SP6573	07/15/2024	01/08/2025	Rahul Chavli	None	None	Yogesh Patel
								07/17/2024

FROM 1.00000ml of S10247 + 19.00000ml of E3768 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3492	8270-SIM-Spike 0.4 PPM	SP6606	08/20/2024	02/12/2025	Rahul Chavli	None	None	mohammad ahmed
								08/21/2024

FROM 0.00160ml of S11011 + 0.02000ml of S11771 + 0.04000ml of S12105 + 0.04000ml of S12126 + 0.04000ml of S12453 +
99.85840ml of E3788 = Final Quantity: 100.000 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3493	Internal Standard 0.4 PPM	SP6629	09/12/2024	03/04/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								10/14/2024

FROM 0.10000ml of S12314 + 4.90000ml of E3791 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3339	8270 sim calibration stock 10ppm (CPI)	SP6656	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								11/28/2024

FROM 0.03350ml of S10103 + 0.05000ml of S11494 + 0.05000ml of S12079 + 0.12500ml of S11831 + 0.12500ml of S12113 + 0.20000ml of S12077 + 0.25000ml of S11097 + 24.16650ml of E3817 = Final Quantity: 25.000 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3361	8270-SIM MDL-5PPM CALIBRATION SOLUTION	SP6657	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								11/28/2024

FROM 0.50000ml of E3817 + 0.01000ml of SP6629 + 0.50000ml of SP6656 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3341	8270-SIM MDL-3.2PPM CALIBRATION SOLUTION	SP6658	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								11/28/2024

FROM 0.68000ml of E3817 + 0.01000ml of SP6629 + 0.32000ml of SP6656 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3344	8270-SIM MDL-1.6PPM CALIBRATION SOLUTION	SP6659	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								11/28/2024

FROM 0.84000ml of E3817 + 0.01000ml of SP6629 + 0.16000ml of SP6656 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3342	8270-SIM MDL-0.8PPM CALIBRATION SOLUTION	SP6660	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								11/28/2024

FROM 0.92000ml of E3817 + 0.01000ml of SP6629 + 0.08000ml of SP6656 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3343	8270-SIM MDL-0.4PPM CALIBRATION SOLUTION	SP6661	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								11/28/2024

FROM 0.96000ml of E3817 + 0.01000ml of SP6629 + 0.04000ml of SP6656 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3345	8270-SIM MDL-0.2PPM CALIBRATION SOLUTION	SP6662	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								11/28/2024

FROM 0.50000ml of E3817 + 0.01000ml of SP6629 + 0.50000ml of SP6661 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3346	8270-SIM MDL-0.1PPM CALIBRATION SOLUTION	SP6663	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								11/28/2024

FROM 0.75000ml of E3817 + 0.01000ml of SP6629 + 0.25000ml of SP6661 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3491	8270-SIM-Surrogate 0.4 PPM	SP6666	10/29/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								11/28/2024

FROM 0.00800ml of S12189 + 0.01600ml of S12207 + 0.04000ml of S11831 + 199.93600ml of E3818 = Final Quantity: 200.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	01/03/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24C0162011	11/25/2024	05/25/2024 / Rajesh	05/08/2024 / Rajesh	E3746

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24D1962005	12/08/2024	06/08/2024 / Rajesh	05/31/2024 / Rajesh	E3759

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24E2462004	01/08/2025	07/08/2024 / Rajesh	06/21/2024 / Rajesh	E3768

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	04/23/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G2362009	03/09/2025	09/09/2024 / Rajesh	09/03/2024 / Rajesh	E3791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24H2762011	04/09/2025	10/09/2024 / Rajesh	10/09/2024 / Rajesh	E3817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/23/2025	10/23/2024 / Rajesh	10/09/2024 / Rajesh	E3818

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	02/08/2025	08/08/2024 / Jagrut	12/09/2021 / Christian	S10103

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH ₂ Cl ₂ , 1mL,	A0182667	01/15/2025	07/15/2024 / Rahul	03/18/2022 / Christian	S10247

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	33913 / SOM01.0 SIM Analysis Standard (Surrogate), 2000 PPM	A0186160	11/21/2024	05/21/2024 / Jagrut	09/07/2022 / Christian	S10782

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml, methanol, 5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10977

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml, CH ₂ Cl ₂ , 5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11003

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0193449	02/20/2025	08/20/2024 / yogesh	01/13/2023 / Christian	S11011

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11097

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	02/08/2025	08/08/2024 / Jagrut	08/11/2023 / Yogesh	S11494

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0201940	12/05/2024	06/05/2024 / Rahul	09/18/2023 / Kiran	S11566

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	12/14/2024	06/14/2024 / Rahul	11/21/2023 / Rahul	S11766

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	02/20/2025	08/20/2024 / Rahul	11/21/2023 / Rahul	S11771

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	33913 / SOM01.0 SIM Analysis Standard (Surrogate), 2000 PPM	A0201976	04/11/2025	10/11/2024 / Jagrut	11/21/2023 / rahul	S11831

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0201320	12/05/2024	06/05/2024 / Rahul	12/21/2023 / Rahul	S12029

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	02/08/2025	08/08/2024 / Jagrut	01/31/2024 / Rahul	S12077

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	04/24/2025	10/24/2024 / Jagrut	01/31/2024 / Rahul	S12079

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0207706	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12096
[CS 4978-2]						

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12105
[CS 4978-2]						

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	02/09/2025	08/09/2024 / Jagrut	03/08/2024 / Rahul	S12113

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	12/05/2024	06/05/2024 / Rahul	03/15/2024 / Rahul	S12117

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12126

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml, methanol, 5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml, CH ₂ Cl ₂ , 5ml	A0206381	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0206540	03/04/2025	09/04/2024 / anahy	05/30/2024 / Rahul	S12314

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12453

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.: Lot No.: **Storage:** **Solvent:** **Exp. Date:** **Description:**
Z-112090 440246 $\leq -10^{\circ}\text{C}$ Methylene Chloride 2/16/2026 CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL
-04

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d ₄	93951-73-6	99.3	248.12.7P	7487 $\pm$ 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 $\pm$ 17.26
phenol-d ₆	13127-88-3	99.9	949.120.8P	7481 $\pm$ 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 $\pm$ 17.17

Received on

02/25/21

by
CG

S9236
to

S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Erica Castiglione

Certified By:

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



5580 Skylane Blvd
Santa Rosa, CA 95403

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Receivalon
02/07/23 by CG

Sheet S11096
to
S11099

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 4

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Brianna Smith

Certified By: _____

Brianna Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certificate of Analysis

Page 4 of 4

Catalog No.: Z-110381-01

Lot No.: 495831

Expiration Date: 10/30/2027

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____



Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



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Fax: (814)353-1309

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Received on
03/10/22
by
CG
S10242
to
S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture
GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Pentachlorophenol CAS # 87-86-5 (Lot 211229RSR) Purity 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL Gravimetric +/- 45.7132 µg/mL Unstressed +/- 66.0037 µg/mL Stressed
2	DFTPP (Decafluorotriphenylphosphine) CAS # 5074-71-5 (Lot Q117-147) Purity 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL Gravimetric +/- 45.8508 µg/mL Unstressed +/- 66.2023 µg/mL Stressed
3	Benzidine CAS # 92-87-5 (Lot 211228JLM) Purity 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL Gravimetric +/- 45.9318 µg/mL Unstressed +/- 66.3193 µg/mL Stressed
4	4,4'-DDT CAS # 50-29-3 (Lot 210916JLM) Purity 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL Gravimetric +/- 45.8954 µg/mL Unstressed +/- 66.2667 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

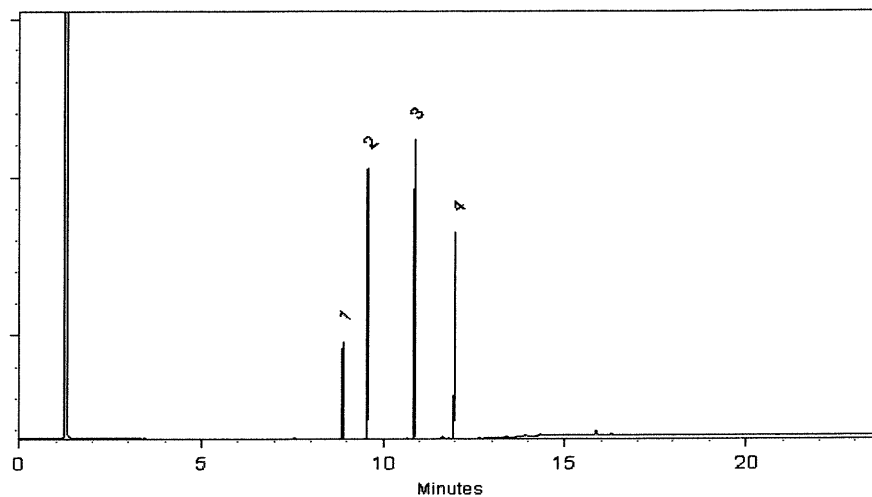
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022

Balance: B345965662

Marlene Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
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Catalog No. : 33913 **Lot No.:** A0186160

Description : SOM01.0 SIM Analysis Standard

SOM01.0 SIM Analysis Standard 2000µg/mL, Methylene chloride, 1mL /ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2028 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

Received on
09/07/22
by
CG
S10778
to
S10782

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Methylnaphthalene-d10 CAS # 7297-45-2 (Lot EF-135) Purity 96%	2,015.0 µg/mL	+/- 11.8254 µg/mL +/- 90.7728 µg/mL +/- 100.7207 µg/mL	Gravimetric Unstressed Stressed
2	Fluoranthene-d10 CAS # 93951-69-0 (Lot PR-20668) Purity 99%	2,007.0 µg/mL	+/- 11.7782 µg/mL +/- 90.4107 µg/mL +/- 100.3188 µg/mL	Gravimetric Unstressed Stressed
Solvent:	Methylene chloride CAS # 75-09-2 Purity 99%			

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

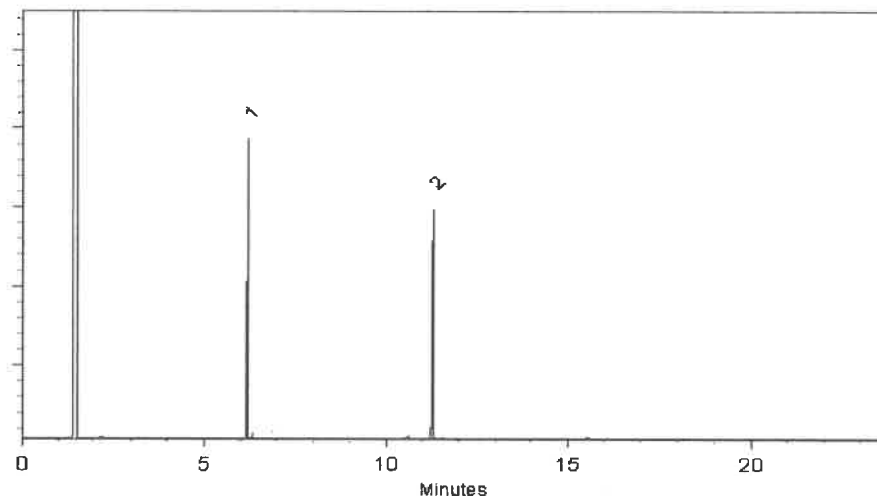
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Jun-2022

Balance: B442140311

Martina Cowan - Operations Tech II ARM QC

Date Passed: 13-Jun-2022

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Catalog No. : 31087 **Lot No.:** A0188108
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2030 **Storage:** 10°C or colder
Ship: Ambient

Received by
CG on
12/28/22
S10951
FO
S10980

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Fluorophenol CAS # 367-12-4 Purity 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

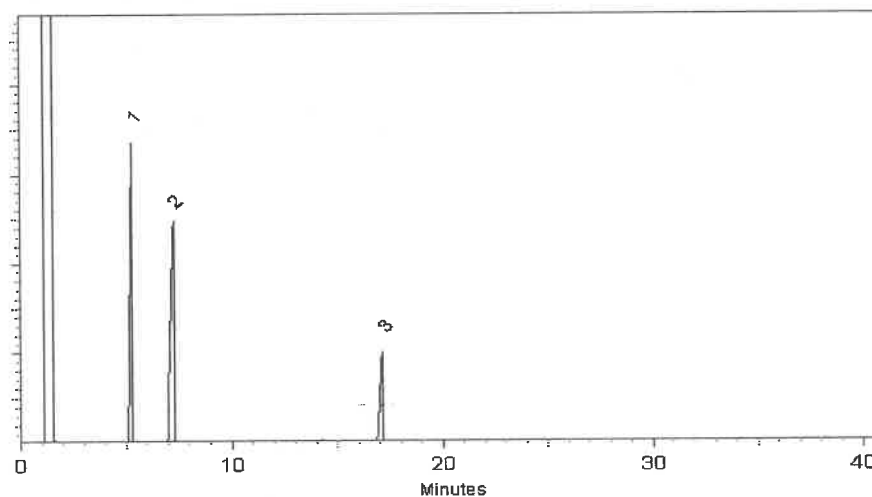
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 Balance: 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015
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Received by
CG on
12/28/22
\$10981
to
S11010

Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

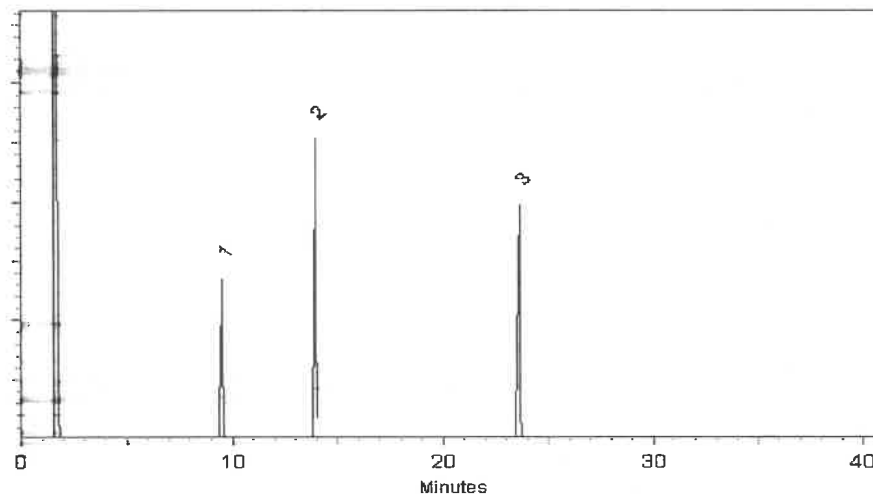
250°C

Det. Temp:

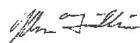
330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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gravimetric



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555872 **Lot No.:** A0193449
Description: Custom Pentachlorophenol Standard
Custom Pentachlorophenol Standard 25,000µg/mL, Methanol,
1mL/ampul
Container Size: 2 mL **Pkg Amt:** > 1 mL
Expiration Date: January 31, 2026 **Storage:** 10°C or colder
Ship: Ambient

Received on
01/13/23
by
CG
S11011
+0
S11015

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP221012	99%	25,050.0 µg/mL	+/- 778.6378

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Jan-2023

Balance: B442140311

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CP 64070
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www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3



Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	$\leq 0.005 \%$	$< 0.005 \%$	PASS
Chloride	$\leq 0.005 \%$	0.002 %	PASS
Heavy Metals	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Iron	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Magnesium	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Mercury	$\leq 0.1 \text{ ppm}$	$< 0.1 \text{ ppm}$	PASS
Nickel	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Nitrogen Compounds	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Phosphate	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Potassium	$\leq 0.02 \%$	$< 0.02 \%$	PASS
Purity	$\geq 97.0 \%$	99.2 %	PASS
Sodium Carbonate	$\leq 1.0 \%$	0.5 %	PASS
Sulfate	$\leq 0.003 \%$	$< 0.003 \%$	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

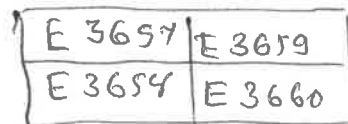
This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.



Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 24C0162011
Manufactured Date: 2024-01-04
Expiration Date: 2025-04-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	10
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.2 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24A04224

E 3746

Ken Koehnlein
Sr. Manager, Quality Assurance

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 24D1962005
Manufactured Date: 2024-03-16
Expiration Date: 2025-06-15
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	8
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.1 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24C16563

E 3759

Jamie Croak
Director Quality Operations, Bioscience Production

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 24E2462004
Manufactured Date: 2024-04-10
Expiration Date: 2025-07-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.1 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D10725

E 3768

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087, U.S.A. Phone 610.386.1700

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 24G2362009
Manufactured Date: 2024-06-10
Expiration Date: 2025-09-09
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24F10024

E 3791

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700
Page 1 of 1

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4

Batch No.: 24H2762011

Manufactured Date: 2024-06-05

Expiration Date: 2025-09-04

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	5
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3817

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor



Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date: 2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 10/9/24

E 3818

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

 **avantor**™



Material No.: 9266-A4

Batch No.: 24J0862003

Manufactured Date: 2024-09-12

Expiration Date: 2025-12-12

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid–base titrn)	36.5 – 38.0 %	37.6
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	1
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.189
ACS – Bromide (Br)	<= 0.005 %	< 0.005
ACS – Extractable Organic Substances	<= 5 ppm	< 1
ACS – Free Chlorine (as Cl ₂)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3
Sulfite (SO ₃)	<= 0.8 ppm	0.3
Ammonium (NH ₄)	<= 3 ppm	< 1
Trace Impurities – Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities – Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities – Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities – Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities – Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities – Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities – Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities – Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities – Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities – Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities – Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities – Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Test	Specification	Result
Trace Impurities – Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities – Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities – Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities – Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities – Selenium (Se), For Information Only	ppb	1.0
Trace Impurities – Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities – Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities – Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities – Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities – Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities – Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use

Product Information (not specifications):

Appearance (clear, fuming liquid)

Meets ACS Specifications

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality



5580 Skyline Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Page 1 of 1

Catalog No.: Lot No.:	Storage:	Solvent:	Exp. Date:	Rev	Description:
Z-110094-02 506889	≤ -10 °C	Methylene Chloride	7/25/2028	0	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml
Compound		CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d ₄		2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl		321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5		4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14		1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 } Y.P.
↓ 08/11/2023
511498

*Not a certified value

Certified By: _____
Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555223
Description: Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size: 2 mL
Expiration Date: September 30, 2025
Handling: This product is photosensitive.
Lot No.: A0201940
Pkg Amt: > 1 mL
Storage: 10°C or colder
Ship: Ambient

511539



51568

Y.P.
09/19/

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

REVIEWED

By Jennifer Pollino at 7:10 am, Sep 13, 2023

Sam Moodler - Operations Tech I

Date Mixed: 13-Sep-2023

Balance: B345965662

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

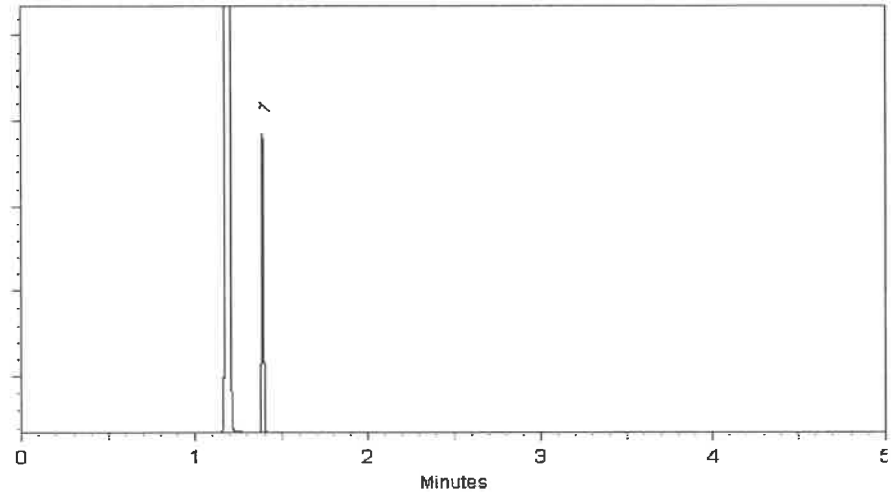
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

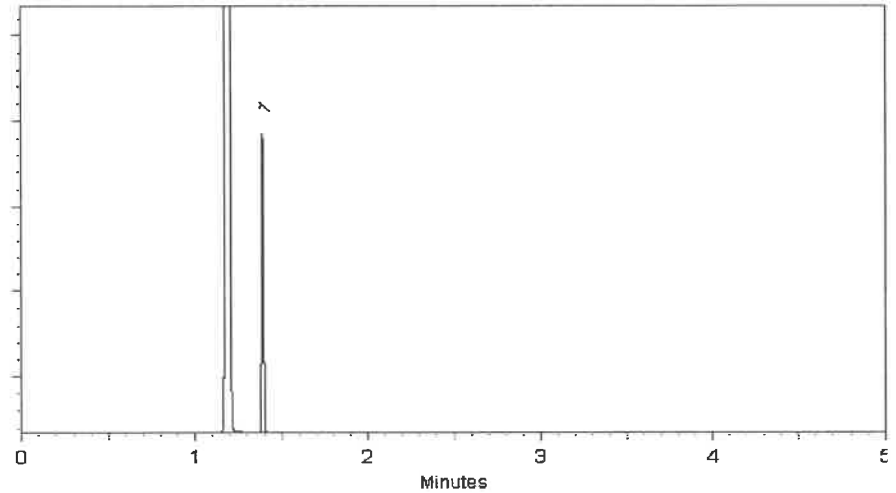
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 33913 **Lot No.:** A0201976
Description : SOM01.0 SIM Analysis Standard
SOM01.0 SIM Analysis Standard 2000µg/mL, Methylene chloride, 1mL /ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 10°C or colder
Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S11828
↓
S11832 } RC/
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methylnaphthalene-d10	7297-45-2	EF-135	98%	2,015.9 µg/mL	+/- 90.8098
2	Fluoranthene-d10	93951-69-0	PR-32557	99%	2,020.0 µg/mL	+/- 90.9963

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

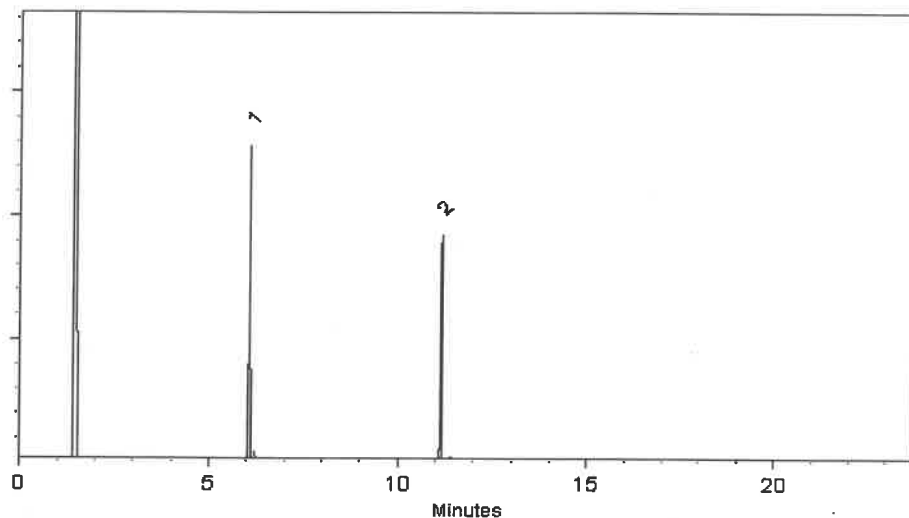
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl

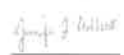


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 13-Sep-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 28-Sep-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0201320

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride,
1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12013
↓
S12042 } RC
12/26/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

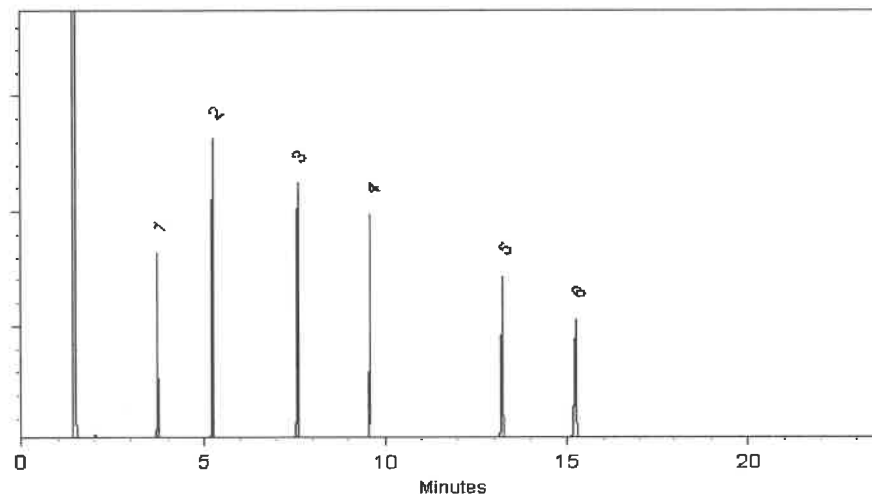
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023

Balance Serial # B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

912075 } RC
↓
912079 } 02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____

Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

912075 } RC
↓
912079 } 02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____

Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



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gravimetric



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:	
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL	
Compound			CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane			123-91-1	100	223.1.3P	1997 ± 57.08

512112 } RC/
↓
912116 } 03/08/24

*Not a certified value

Certified By: _____

Melissa Workoff
Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

512117 } RC/
↓ 03/18/24
512146 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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Fax: 1-814-353-1309

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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

512117 } RC/
↓ 03/18/24
512146

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

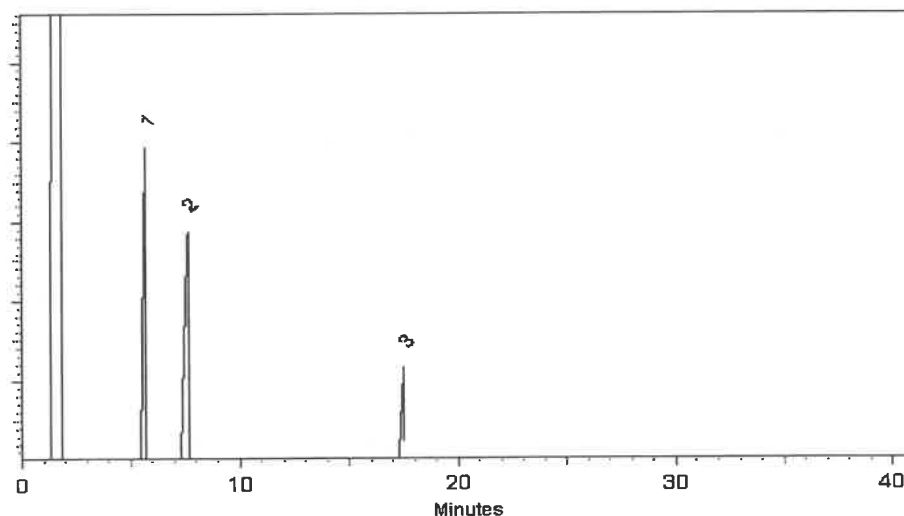
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : December 31, 2029 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

S12207 } RC/
↓
S12221 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

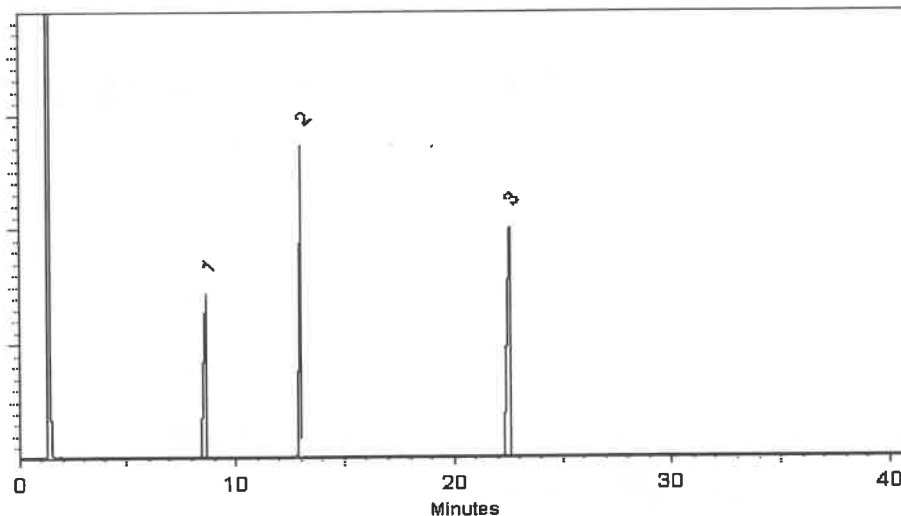
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12312 } RC/
↓ 05/30/24
S12331

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

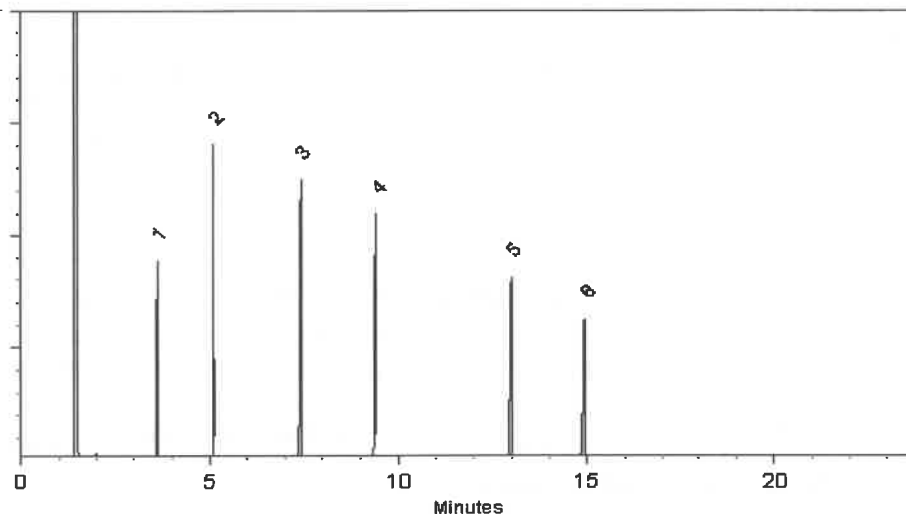
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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gravimetric



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 78-8922

www.chemtech.net

Chemtech Project Number:

P4959

COC Number:

CLIENT INFORMATION

COMPANY: Tetra Tech

ADDRESS: 4433 Corporation Ln, Suite 300

CITY: Virginia Beach STATE: VA ZIP: 23462

ATTENTION: Ernie Wu

PHONE: 757-466-4901 FAX: 757-461-4148

PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage

PROJECT #: 112G08005-WE13 LOCATION: RW5B

PROJECT MANAGER: Ernie Wu

E-MAIL: ernie.wu@tetrattech.com

PHONE: 757-466-4901 FAX: 757-461-4148

BILLING INFORMATION

BILL TO:

PO#

ADDRESS:

CITY:

STATE: ZIP:

ATTENTION:

PHONE:

ANALYSIS

1,4-Dioxane SW846 B270
SIM

1

2

3

4

5

6

7

8

9

PRESERVATIVES

1

2

3

4

5

6

7

8

9

B

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

DATA TURNAROUND INFORMATION

FAX: 10 DAYS*

HARD COPY: 10 DAYS*

EDD 10 DAYS*

* TO BE APPROVED BY CHEMTECH

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY☐ USEPA CLP☐ RESULTS + QC☐ New York State ASP "B"☐ New Jersey REDUCED☐ New York State ASP "A"☐ New Jersey CLP☐ Other☐ EDD FormatCHEMTECH
SAMPLE
IDPROJECT
SAMPLE IDENTIFICATIONSAMPLE
MATRIXSAMPLE
TYPESAMPLE
COLLECTIONCOMP
GRABDATE
TIME

of Bottles

1. RW5-SP100-20241121

GW

X

11/21/24

12:45

1

X

2. RW5-SP201-20241121

GW

X

11/21/24

12:47

1

X

3. RW5-SP303-20241121

GW

X

11/21/24

12:53

1

X

4.

5.

6.

7.

8.

9.

10.

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER

DATE/TIME

RECEIVED BY

1. *[Signature]*

11/21/24

1. *[Signature]*

RELINQUISHED BY

DATE/TIME

RECEIVED BY

2. *FedEx*

11-22-24

2. *[Signature]*

RELINQUISHED BY

DATE/TIME

RECEIVED FOR LAB BY

3.

3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 1.5°C

MeOH extraction requires an additional 4oz. Jar for percent solid

☐ Ice in Cooler? Y

Comments:

Page ____ of ____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ OvernightCHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete

☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035277.D
 Acq On : 25 Nov 2024 10:16
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Nov 25 18:31:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 25 14:32:52 2024
 Response via : Initial Calibration

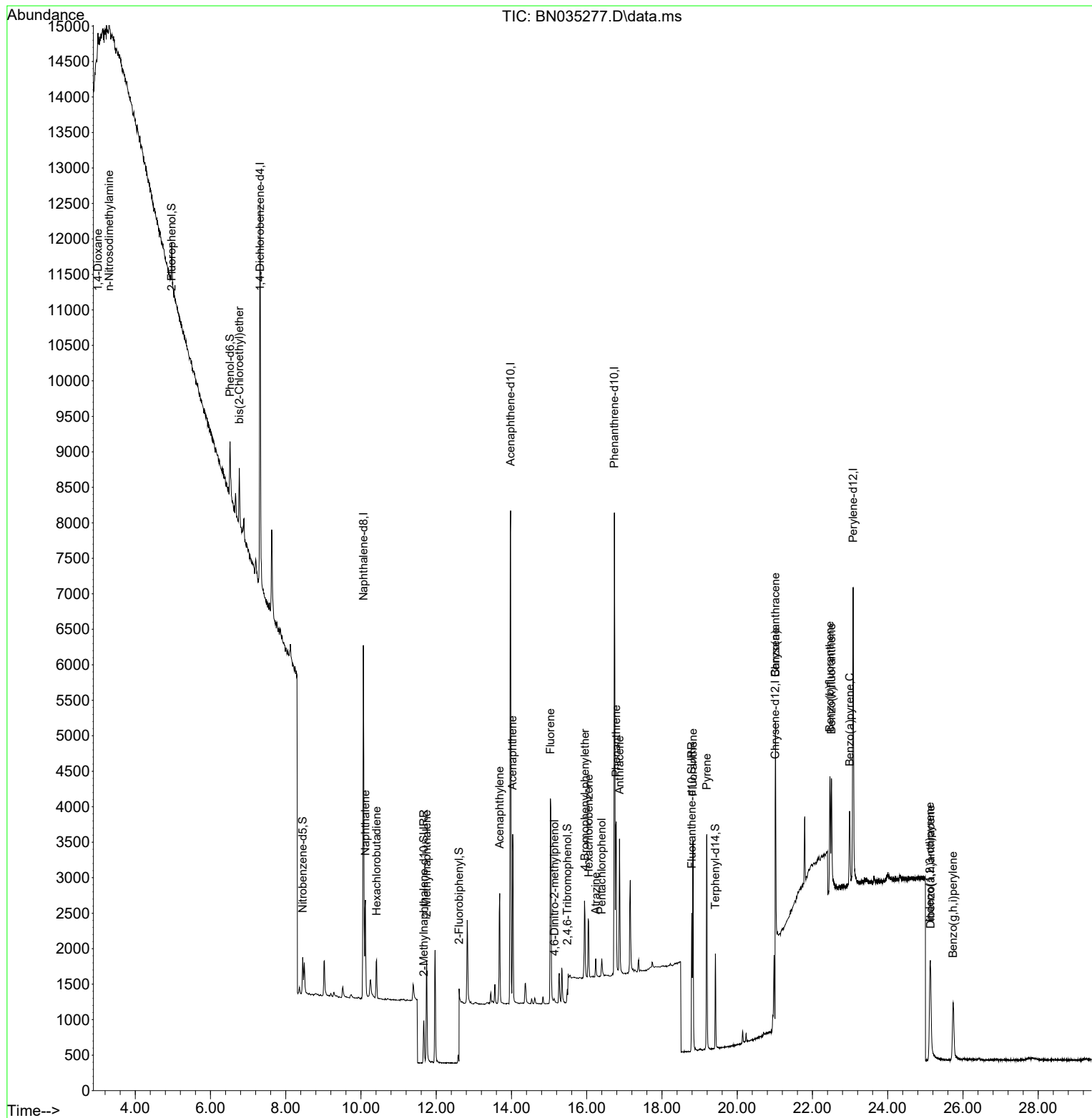
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	2616	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	6701	0.400	ng	0.00
13) Acenaphthene-d10	13.976	164	3999	0.400	ng	0.00
19) Phenanthrene-d10	16.734	188	9103	0.400	ng	0.00
29) Chrysene-d12	21.008	240	834	0.400	ng	0.00
35) Perylene-d12	23.081	264	5298	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	561	0.114	ng	0.00
5) Phenol-d6	6.520	99	781	0.113	ng	0.00
8) Nitrobenzene-d5	8.450	82	713	0.131	ng	0.00
11) 2-Methylnaphthalene-d10	11.670	152	939	0.100	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	174	0.085	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	595	0.269	ng	0.00
27) Fluoranthene-d10	18.792	212	2168	0.089	ng	0.00
31) Terphenyl-d14	19.419	244	1310	0.085	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.010	88	245	0.130	ng	# 78
3) n-Nitrosodimethylamine	3.307	42	166	0.085	ng	# 74
6) bis(2-Chloroethyl)ether	6.766	93	595	0.102	ng	97
9) Naphthalene	10.116	128	1817	0.098	ng	# 92
10) Hexachlorobutadiene	10.415	225	471	0.090	ng	# 98
12) 2-Methylnaphthalene	11.746	142	1156	0.095	ng	98
16) Acenaphthylene	13.688	152	1859	0.092	ng	99
17) Acenaphthene	14.030	154	1144	0.090	ng	92
18) Fluorene	15.035	166	1538	0.087	ng	99
20) 4,6-Dinitro-2-methylph...	15.141	198	47	0.226	ng	# 21
21) 4-Bromophenyl-phenylether	15.952	248	565	0.098	ng	# 70
22) Hexachlorobenzene	16.051	284	743	0.090	ng	98
23) Atrazine	16.237	200	206	0.085	ng	# 82
24) Pentachlorophenol	16.399	266	157	0.079	ng	# 85
25) Phenanthrene	16.783	178	2552	0.091	ng	99
26) Anthracene	16.870	178	2057	0.086	ng	99
28) Fluoranthene	18.825	202	2840	0.080	ng	99
30) Pyrene	19.192	202	2830	0.093	ng	100
32) Benzo(a)anthracene	21.017	228	2709	0.093	ng	98
33) Chrysene	21.017	228	2709	0.093	ng	98
34) Bis(2-ethylhexyl)phtha...	21.017	149	540	Below Cal		# 66
36) Indeno(1,2,3-cd)pyrene	25.121	276	1824	0.084	ng	98
37) Benzo(b)fluoranthene	22.464	252	1993	0.087	ng	# 78
38) Benzo(k)fluoranthene	22.505	252	2076	0.085	ng	# 78
39) Benzo(a)pyrene	22.987	252	1578	0.090	ng	# 73
40) Dibenzo(a,h)anthracene	25.142	278	1273	0.078	ng	# 76
41) Benzo(g,h,i)perylene	25.738	276	1716	0.091	ng	# 88

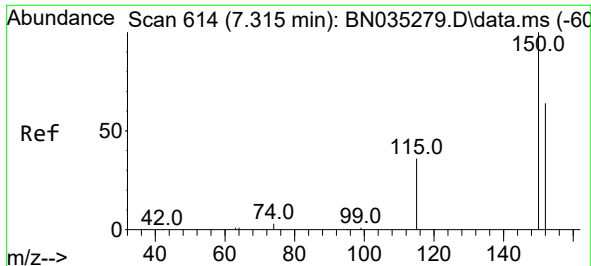
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Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035277.D
Acq On : 25 Nov 2024 10:16
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

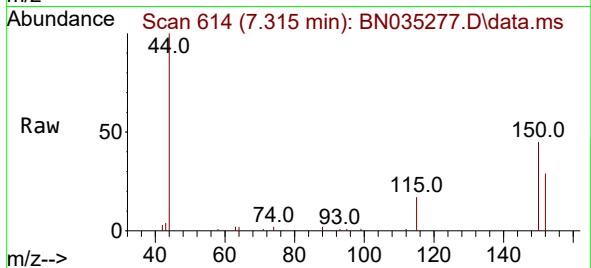
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration



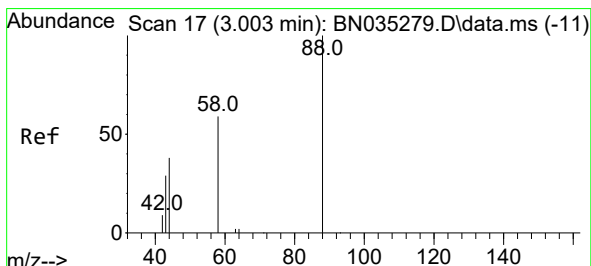
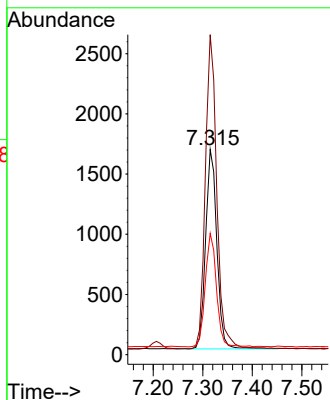
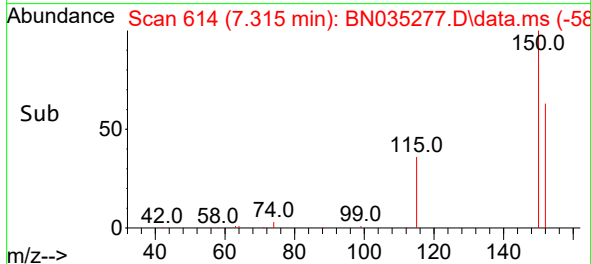


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

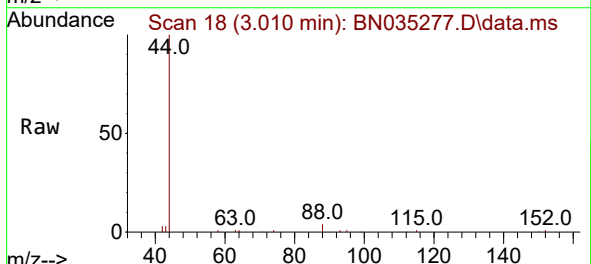
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



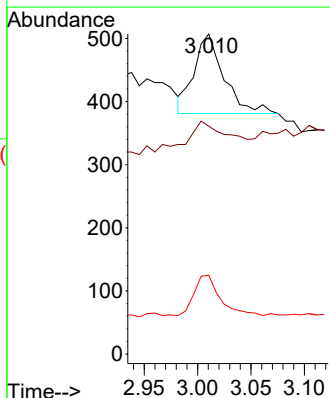
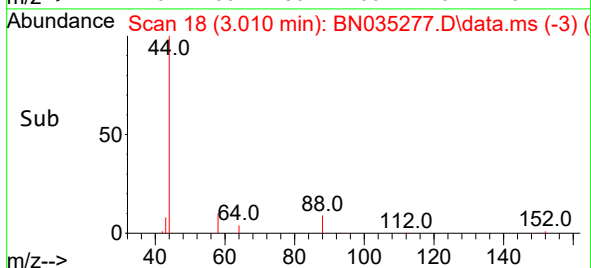
Tgt Ion:152 Resp: 2616
Ion Ratio Lower Upper
152 100
150 156.0 124.5 186.7
115 59.1 47.8 71.8

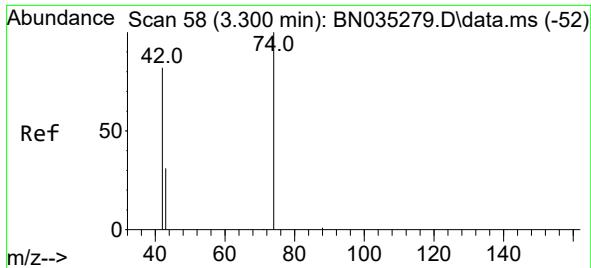


#2
1,4-Dioxane
Concen: 0.130 ng
RT: 3.010 min Scan# 18
Delta R.T. 0.007 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16



Tgt Ion: 88 Resp: 245
Ion Ratio Lower Upper
88 100
43 78.8 48.1 72.1#
58 44.9 46.9 70.3#

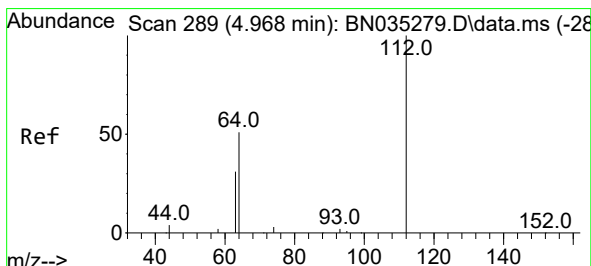
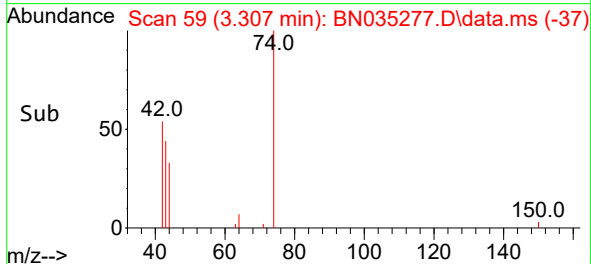
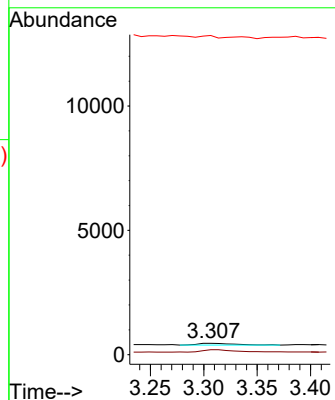
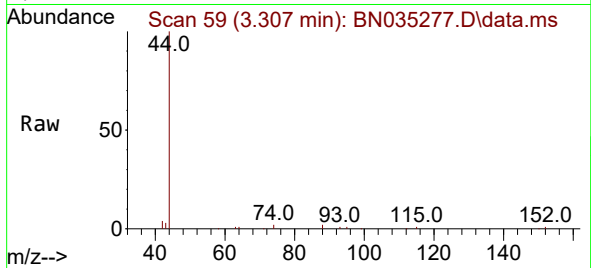




#3
 n-Nitrosodimethylamine
 Concen: 0.085 ng
 RT: 3.307 min Scan# 58
 Delta R.T. 0.007 min
 Lab File: BN035277.D
 Acq: 25 Nov 2024 10:16

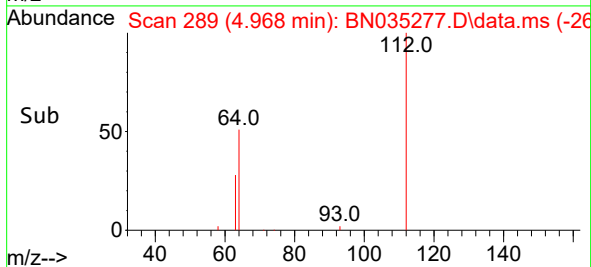
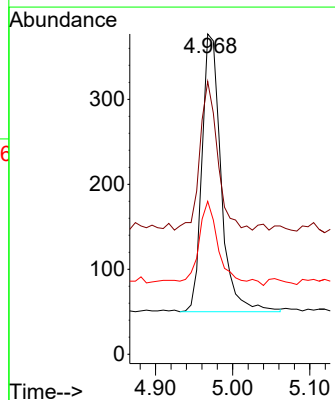
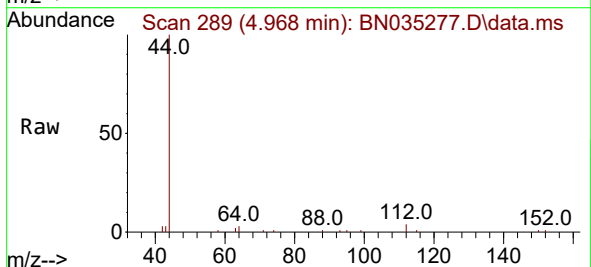
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

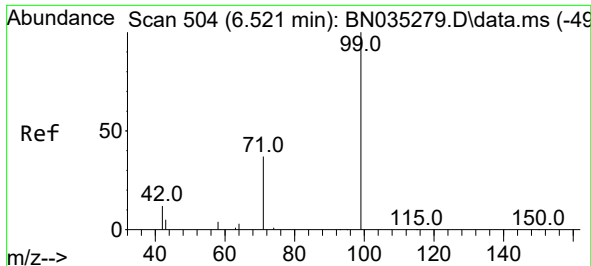
Tgt Ion: 42 Resp: 166
 Ion Ratio Lower Upper
 42 100
 74 142.8 102.7 154.1
 44 0.0 34.1 51.1#



#4
 2-Fluorophenol
 Concen: 0.114 ng
 RT: 4.968 min Scan# 289
 Delta R.T. -0.000 min
 Lab File: BN035277.D
 Acq: 25 Nov 2024 10:16

Tgt Ion: 112 Resp: 561
 Ion Ratio Lower Upper
 112 100
 64 49.9 40.4 60.6
 63 32.1 23.8 35.8

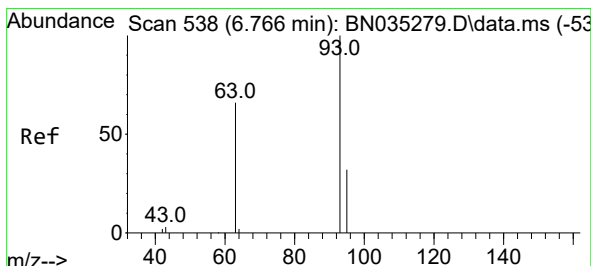
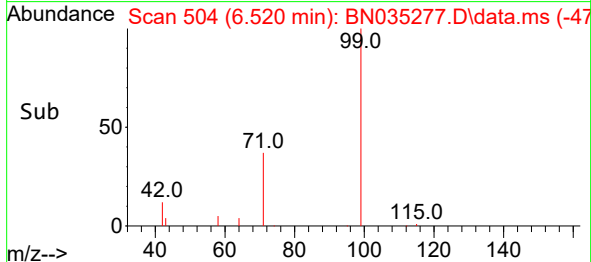
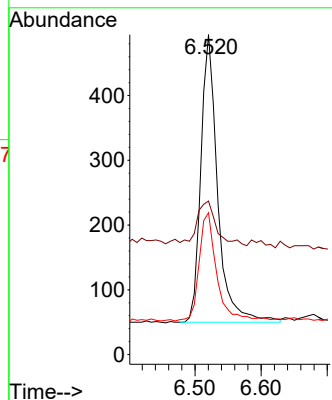
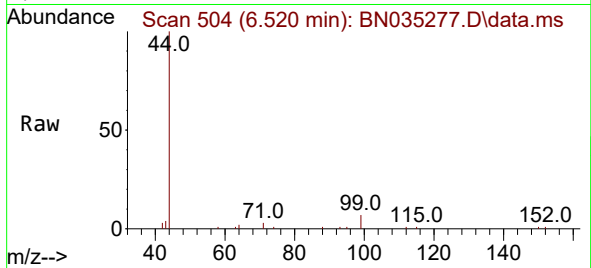




#5
Phenol-d6
Concen: 0.113 ng
RT: 6.520 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

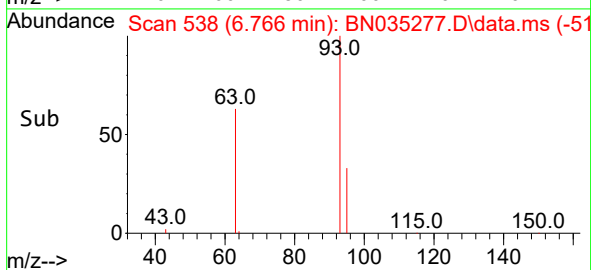
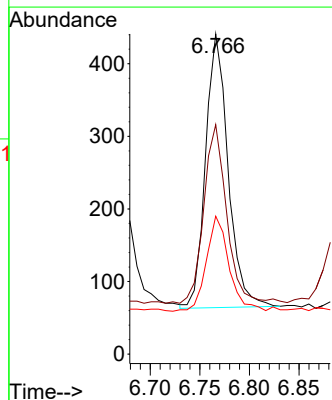
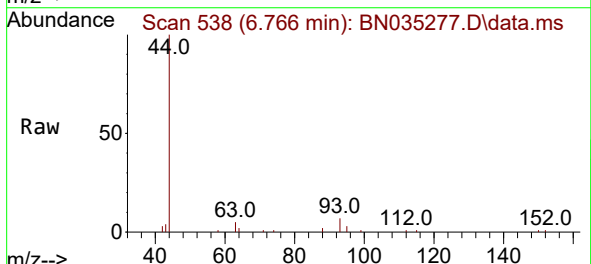
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

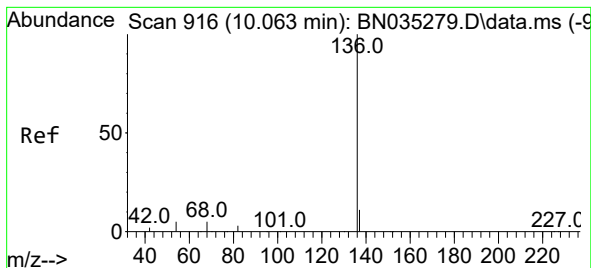
Tgt Ion: 99 Resp: 781
Ion Ratio Lower Upper
99 100
42 18.4 12.8 19.2
71 39.8 31.4 47.2



#6
bis(2-Chloroethyl)ether
Concen: 0.102 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion: 93 Resp: 595
Ion Ratio Lower Upper
93 100
63 66.6 52.3 78.5
95 35.0 25.5 38.3





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.063 min Scan# 916

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

Tgt Ion:136 Resp: 6701

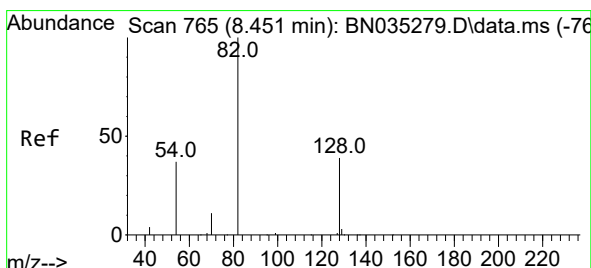
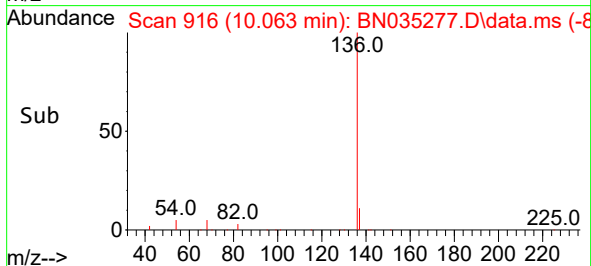
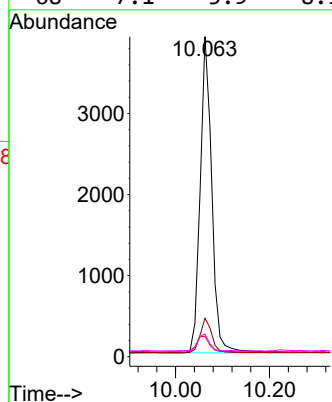
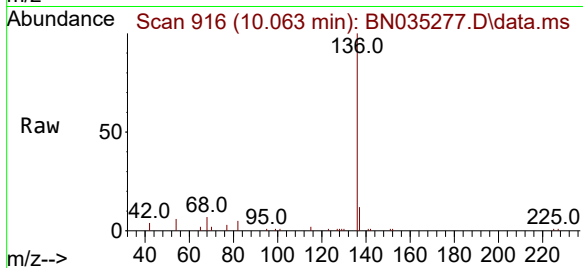
Ion Ratio Lower Upper

136 100

137 12.0 9.7 14.5

54 6.4 5.3 7.9

68 7.1 5.9 8.9



#8

Nitrobenzene-d5

Concen: 0.131 ng

RT: 8.450 min Scan# 765

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

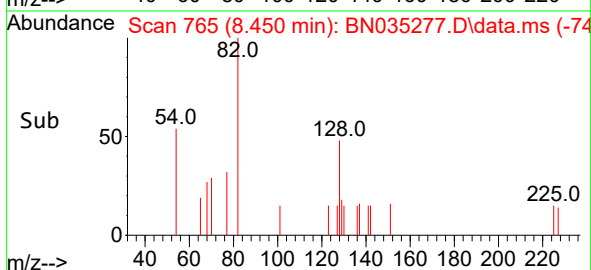
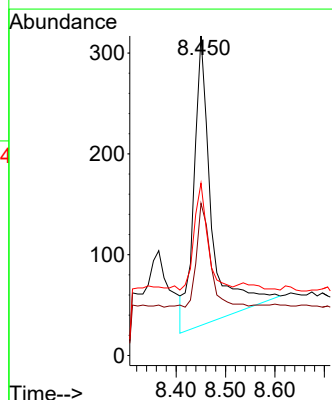
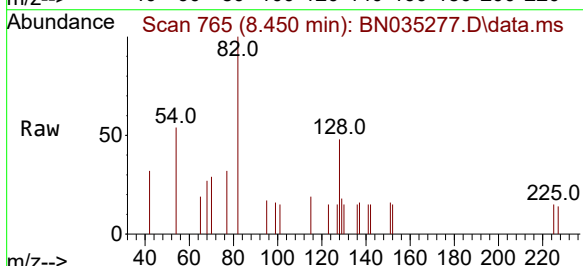
Tgt Ion: 82 Resp: 713

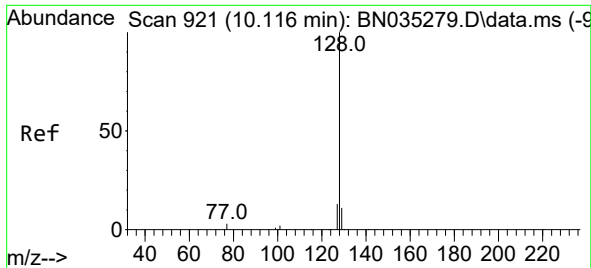
Ion Ratio Lower Upper

82 100

128 47.6 33.0 49.4

54 53.9 33.3 49.9#

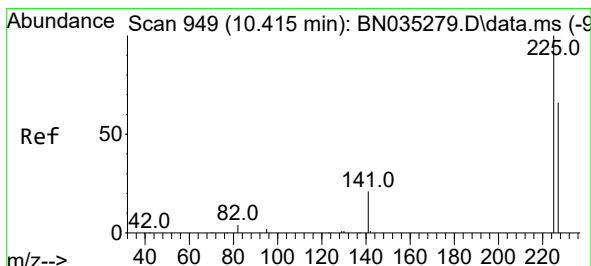
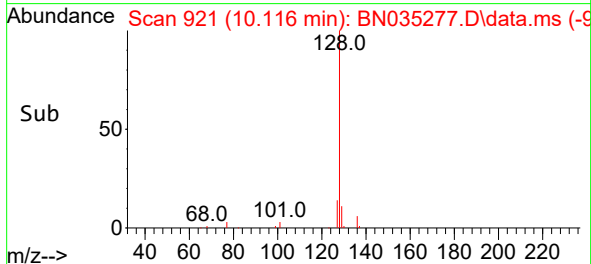
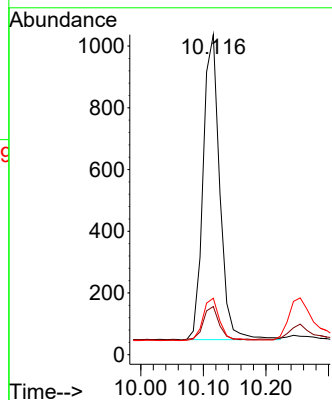
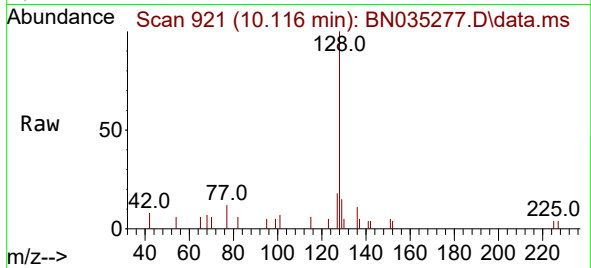




#9
Naphthalene
Concen: 0.098 ng
RT: 10.116 min Scan# 911
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

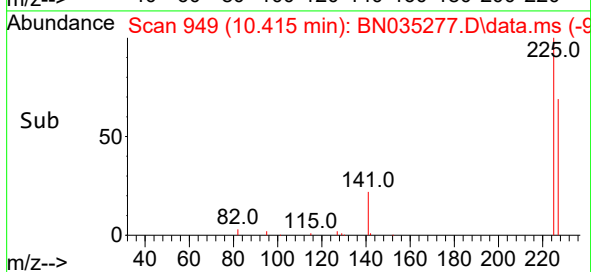
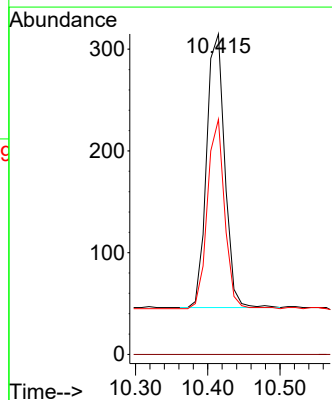
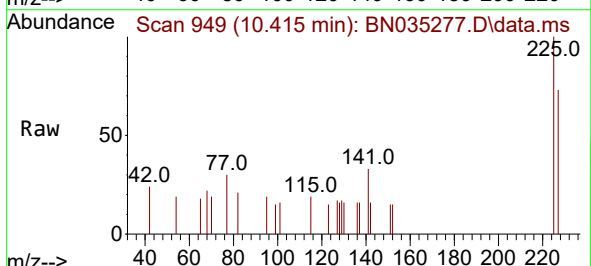
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

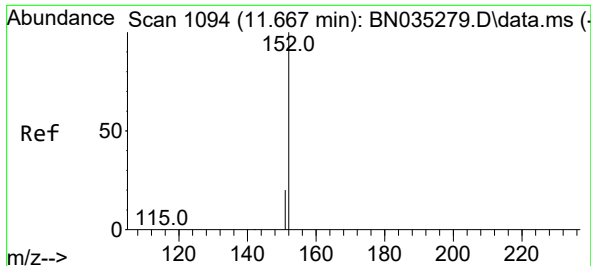
Tgt Ion:128 Resp: 1817
Ion Ratio Lower Upper
128 100
129 15.0 9.6 14.4#
127 17.6 11.3 16.9#



#10
Hexachlorobutadiene
Concen: 0.090 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:225 Resp: 471
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 65.6 51.3 76.9

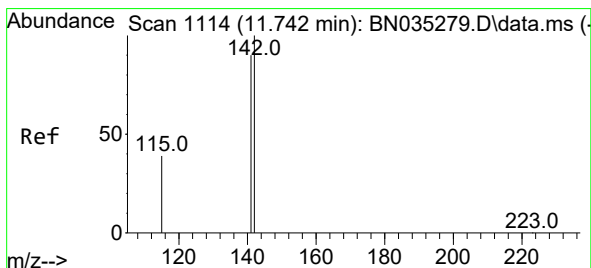
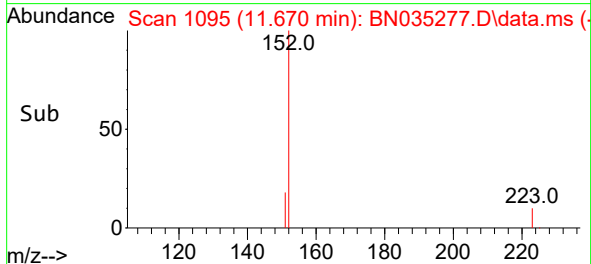
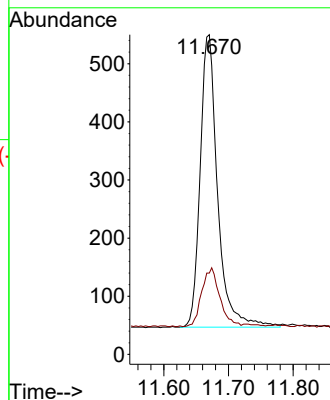
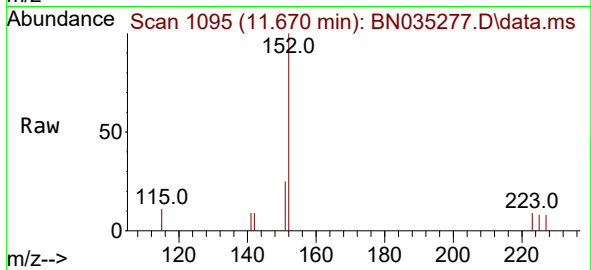




#11
2-Methylnaphthalene-d10
Concen: 0.100 ng
RT: 11.670 min Scan# 1109
Delta R.T. 0.004 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

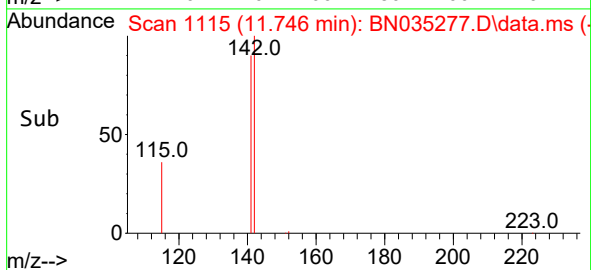
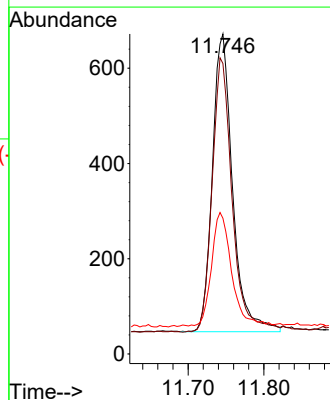
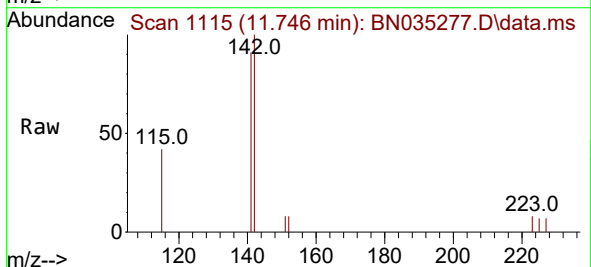
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

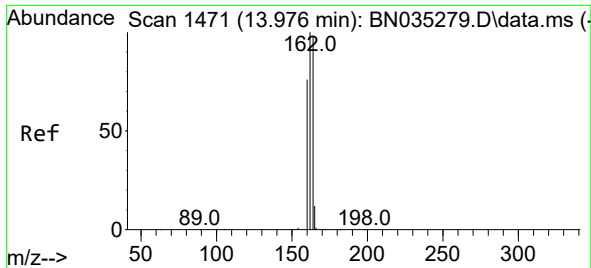
Tgt Ion:152 Resp: 939
Ion Ratio Lower Upper
152 100
151 20.7 17.2 25.8



#12
2-Methylnaphthalene
Concen: 0.095 ng
RT: 11.746 min Scan# 1115
Delta R.T. 0.004 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:142 Resp: 1156
Ion Ratio Lower Upper
142 100
141 90.8 71.8 107.8
115 42.4 32.6 49.0

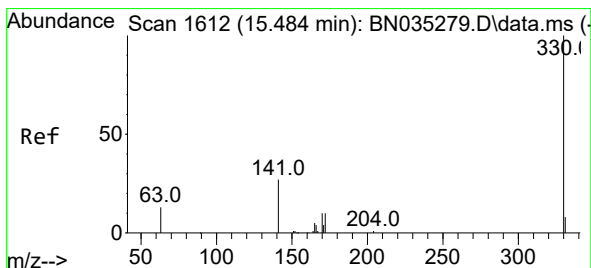
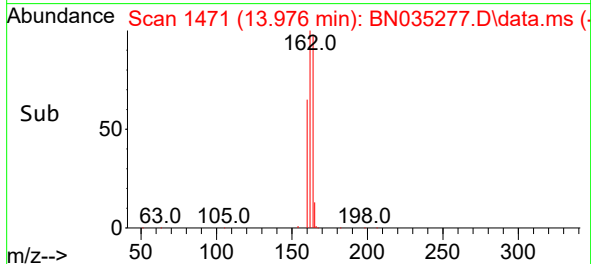
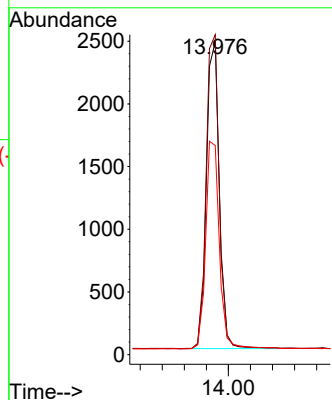
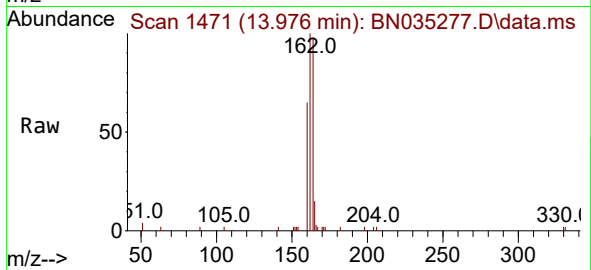




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

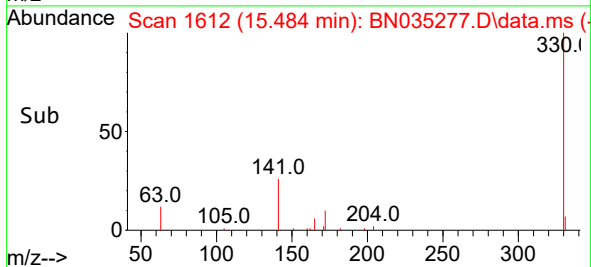
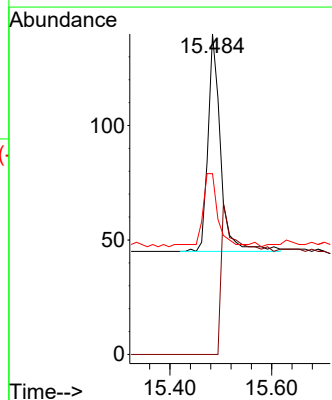
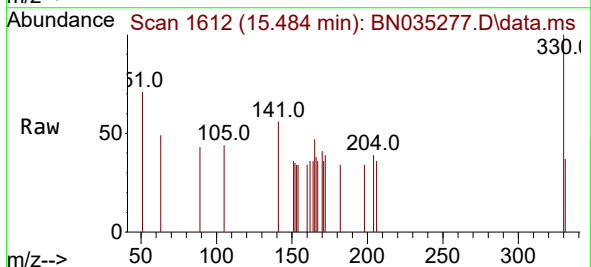
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

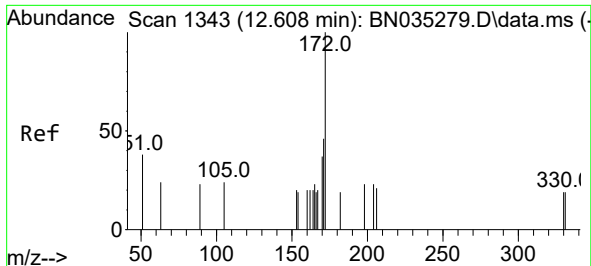
Tgt Ion:164 Resp: 3999
Ion Ratio Lower Upper
164 100
162 102.2 82.0 123.0
160 66.8 63.0 94.4



#14
2,4,6-Tribromophenol
Concen: 0.085 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:330 Resp: 174
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.5 32.4 48.6

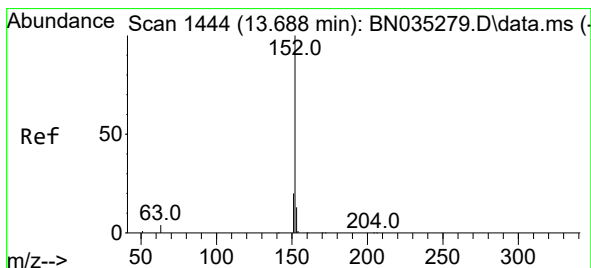
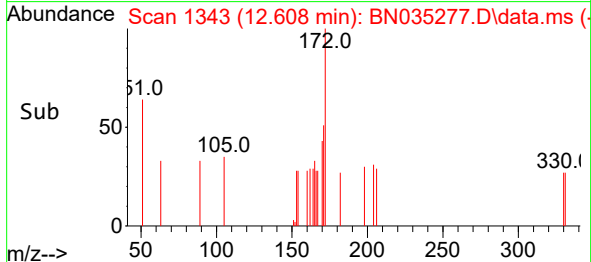
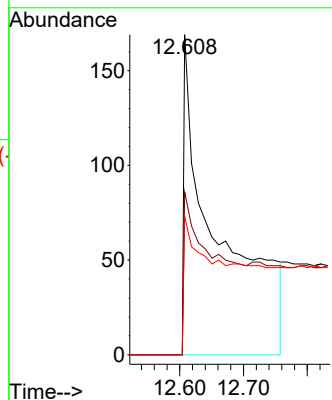
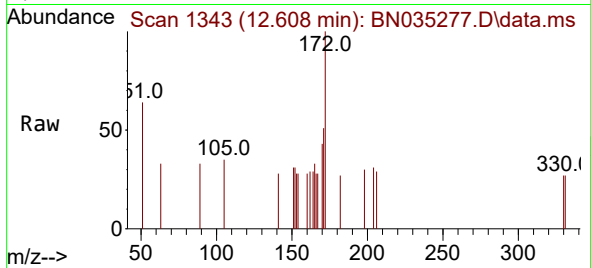




#15
2-Fluorobiphenyl
Concen: 0.269 ng
RT: 12.608 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

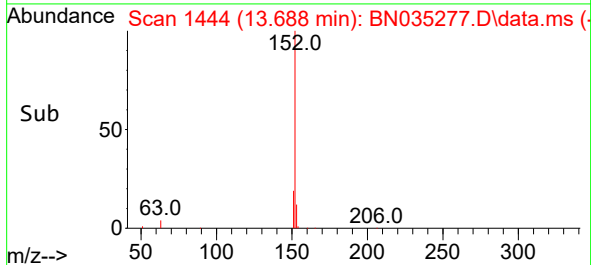
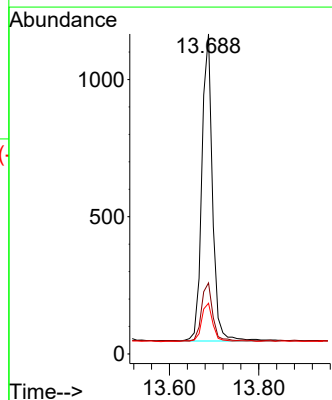
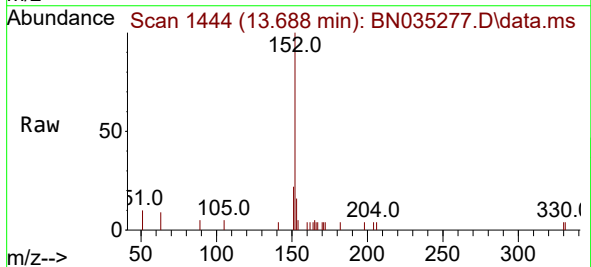
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

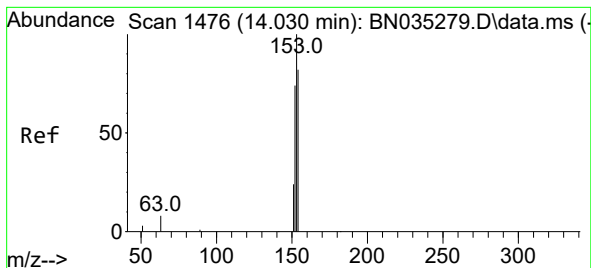
Tgt Ion:172 Resp: 595
Ion Ratio Lower Upper
172 100
171 50.9 36.6 55.0
170 43.2 29.7 44.5



#16
Acenaphthylene
Concen: 0.092 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:152 Resp: 1859
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 13.4 10.2 15.4





#17

Acenaphthene

Concen: 0.090 ng

RT: 14.030 min Scan# 1476

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

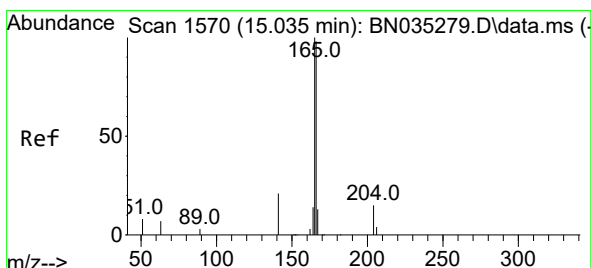
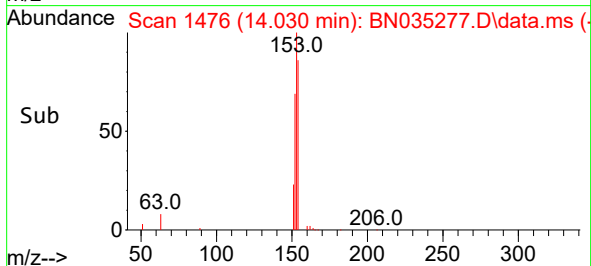
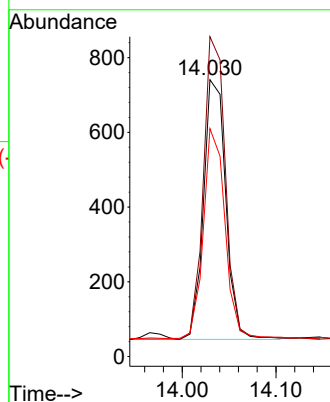
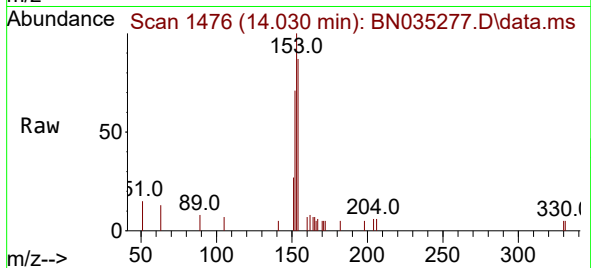
Tgt Ion:154 Resp: 1144

Ion Ratio Lower Upper

154 100

153 115.4 96.1 144.1

152 78.8 72.2 108.2



#18

Fluorene

Concen: 0.087 ng

RT: 15.035 min Scan# 1570

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

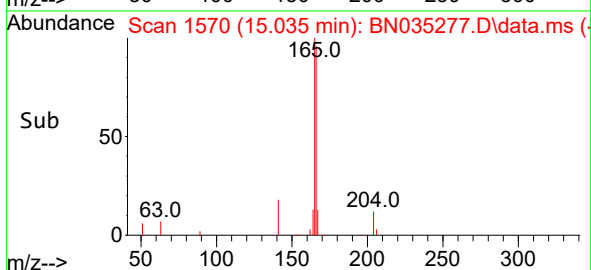
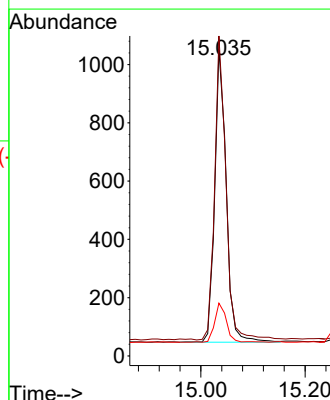
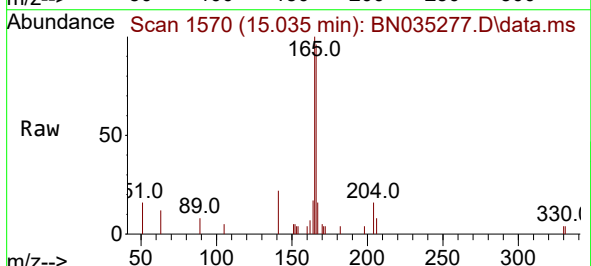
Tgt Ion:166 Resp: 1538

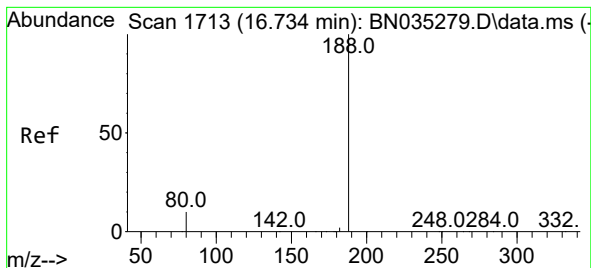
Ion Ratio Lower Upper

166 100

165 101.9 81.2 121.8

167 13.8 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.734 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

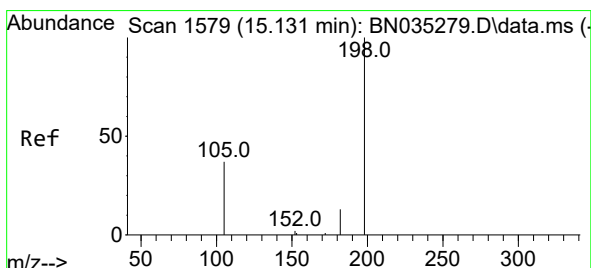
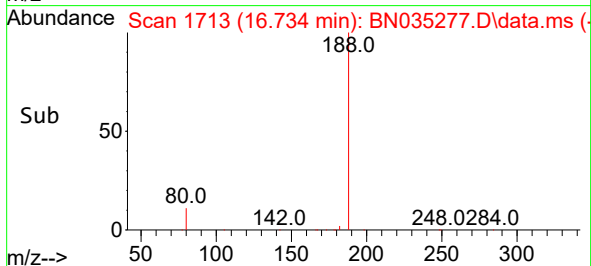
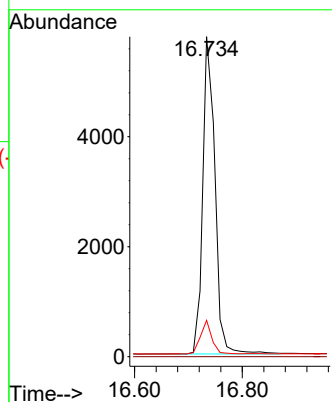
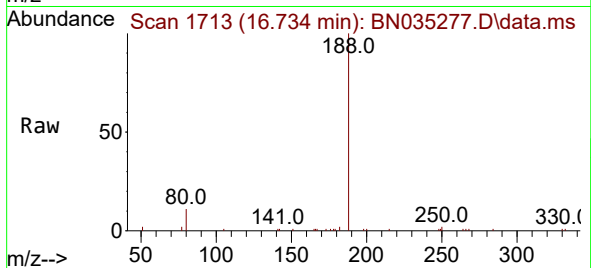
Tgt Ion:188 Resp: 9103

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.4 8.9 13.3



#20

4,6-Dinitro-2-methylphenol

Concen: 0.226 ng

RT: 15.141 min Scan# 1580

Delta R.T. 0.010 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

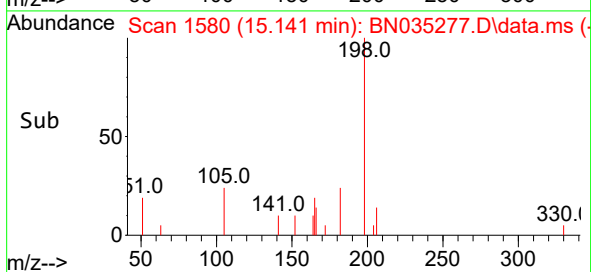
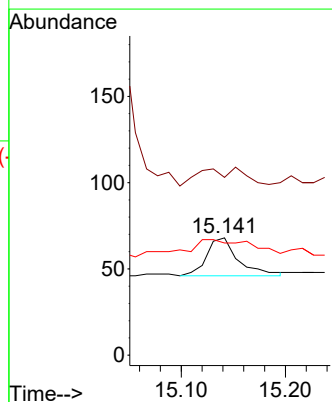
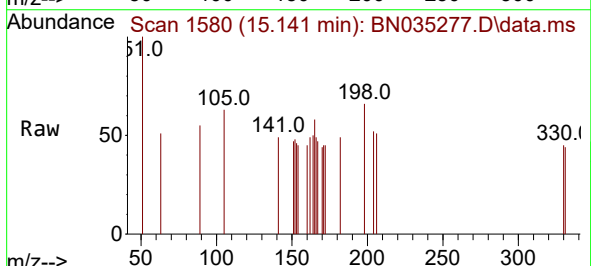
Tgt Ion:198 Resp: 47

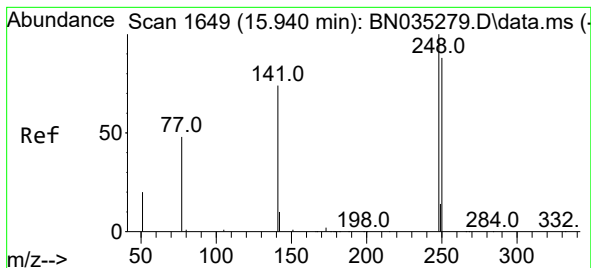
Ion Ratio Lower Upper

198 100

51 151.5 53.6 80.4#

105 95.6 47.4 71.2#

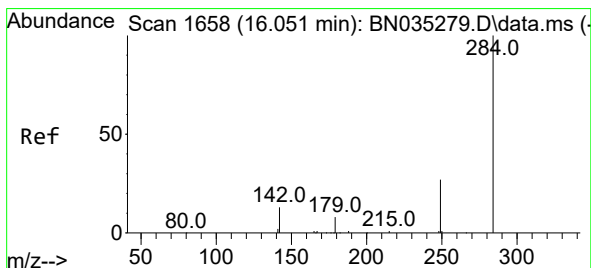
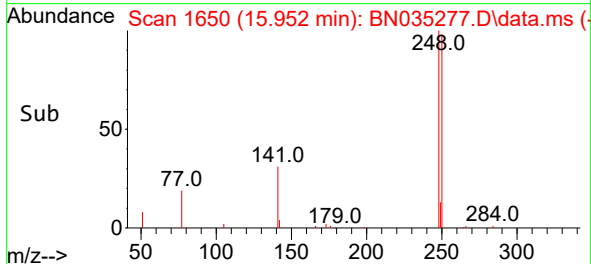
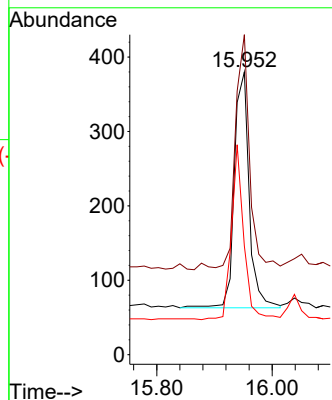
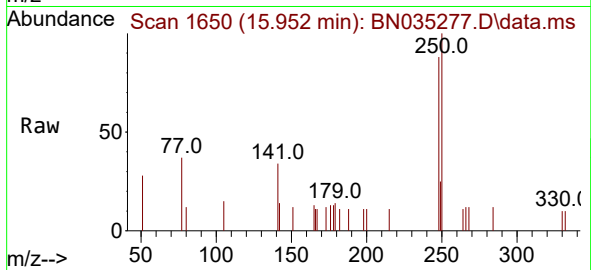




#21
4-Bromophenyl-phenylether
Concen: 0.098 ng
RT: 15.952 min Scan# 1650
Delta R.T. 0.012 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

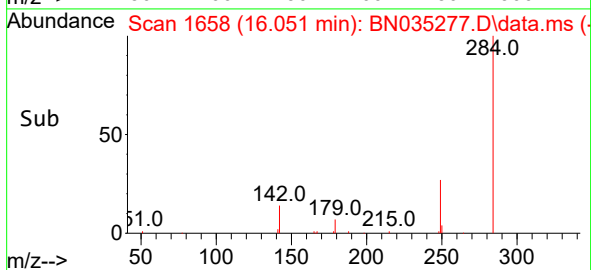
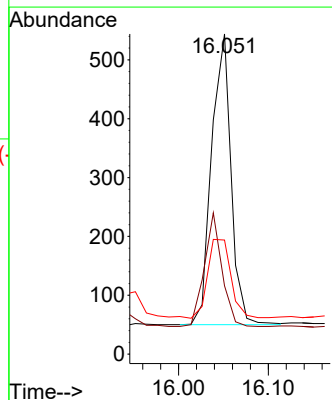
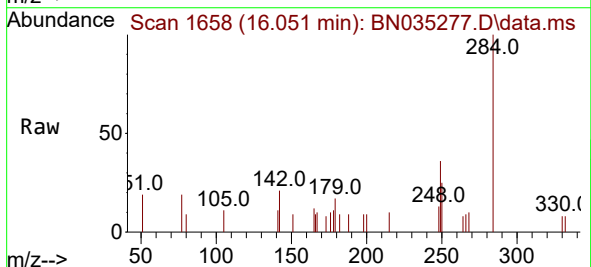
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

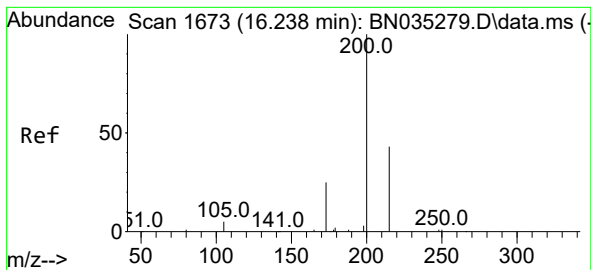
Tgt Ion:248 Resp: 565
Ion Ratio Lower Upper
248 100
250 113.2 74.8 112.2#
141 38.4 59.0 88.4#



#22
Hexachlorobenzene
Concen: 0.090 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:284 Resp: 743
Ion Ratio Lower Upper
284 100
142 35.4 28.7 43.1
249 33.1 25.4 38.0





#23

Atrazine

Concen: 0.085 ng

RT: 16.237 min Scan# 1673

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

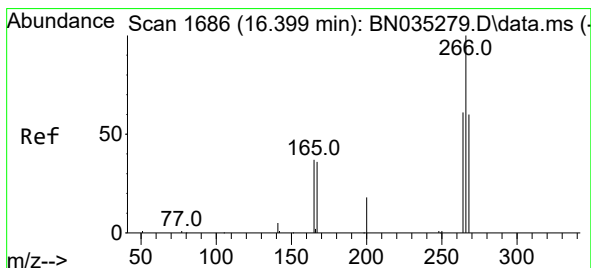
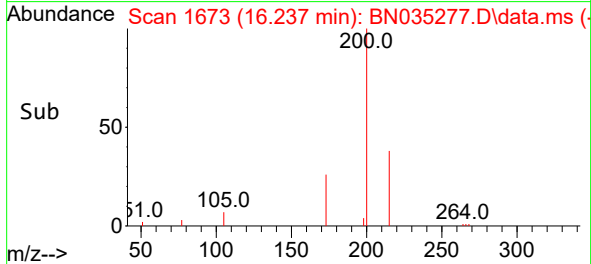
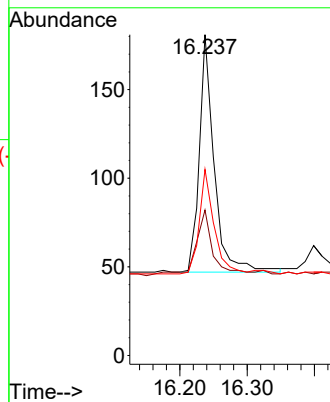
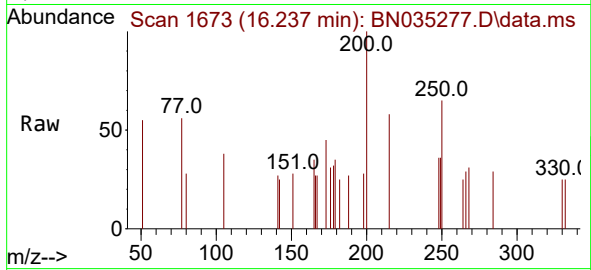
Tgt Ion:200 Resp: 206

Ion Ratio Lower Upper

200 100

173 45.3 25.8 38.8#

215 58.0 38.6 58.0#



#24

Pentachlorophenol

Concen: 0.079 ng

RT: 16.399 min Scan# 1686

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

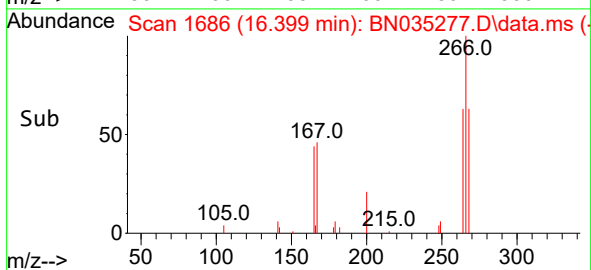
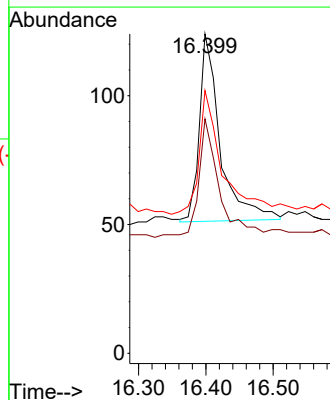
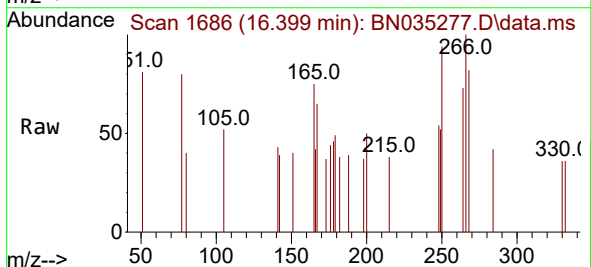
Tgt Ion:266 Resp: 157

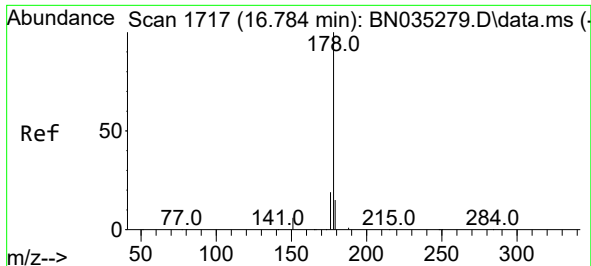
Ion Ratio Lower Upper

266 100

264 68.2 49.3 73.9

268 77.1 48.6 73.0#

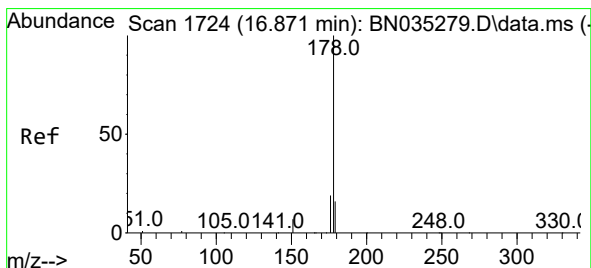
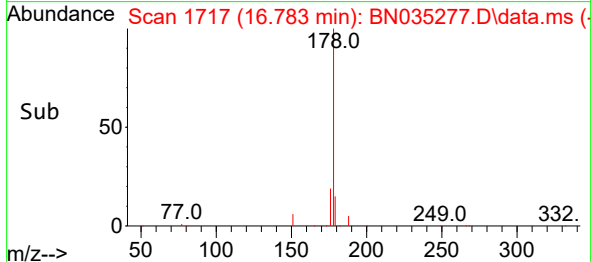
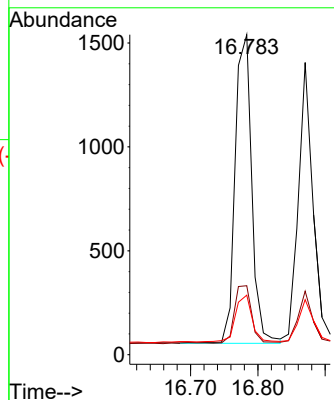
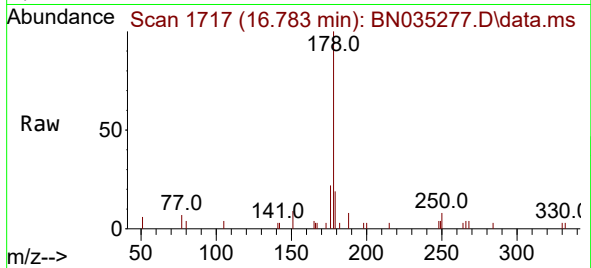




#25
Phenanthrene
Concen: 0.091 ng
RT: 16.783 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

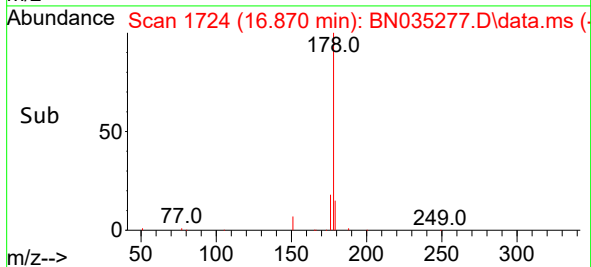
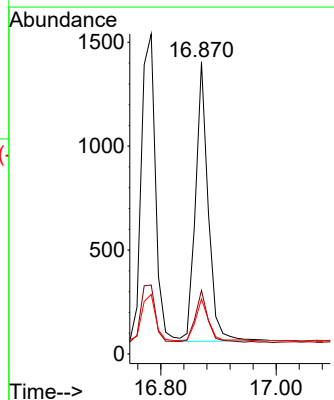
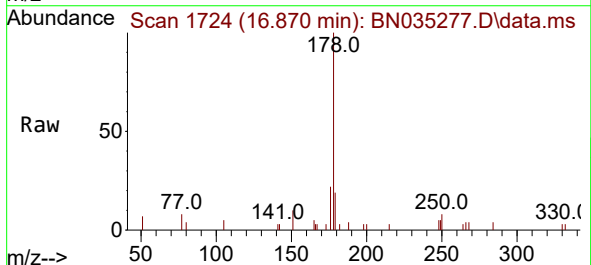
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

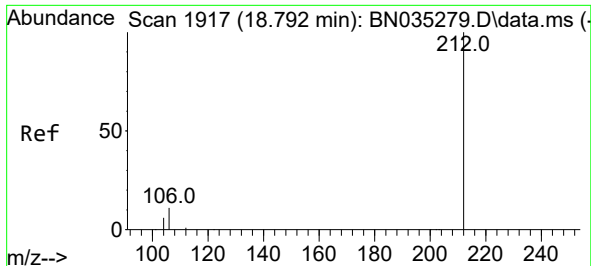
Tgt Ion:178 Resp: 2552
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.2 12.6 18.8



#26
Anthracene
Concen: 0.086 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:178 Resp: 2057
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 15.9 12.4 18.6





#27

Fluoranthene-d10

Concen: 0.089 ng

RT: 18.792 min Scan# 1917

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

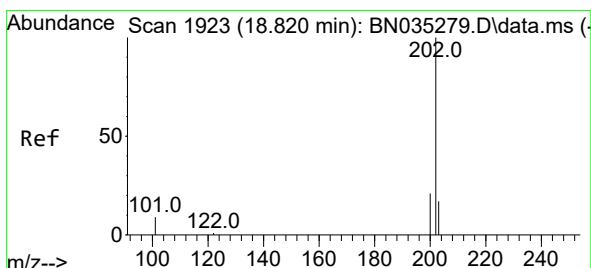
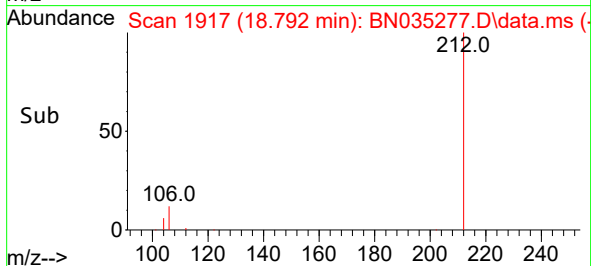
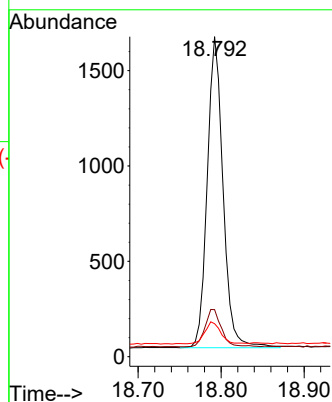
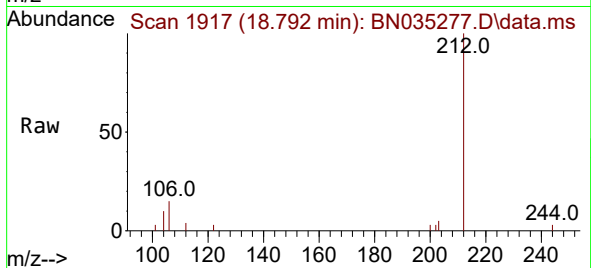
Tgt Ion:212 Resp: 2168

Ion Ratio Lower Upper

212 100

106 12.5 9.8 14.8

104 7.1 5.6 8.4



#28

Fluoranthene

Concen: 0.080 ng

RT: 18.825 min Scan# 1924

Delta R.T. 0.005 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

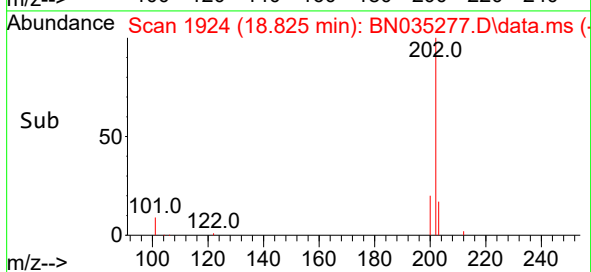
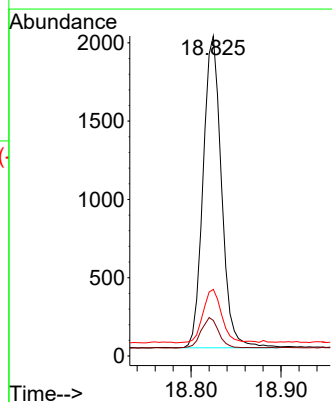
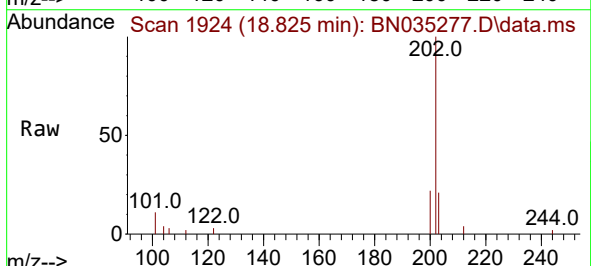
Tgt Ion:202 Resp: 2840

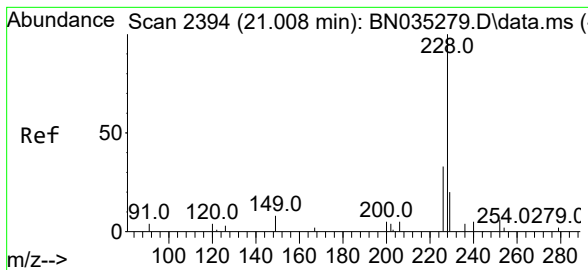
Ion Ratio Lower Upper

202 100

101 9.6 7.6 11.4

203 17.6 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

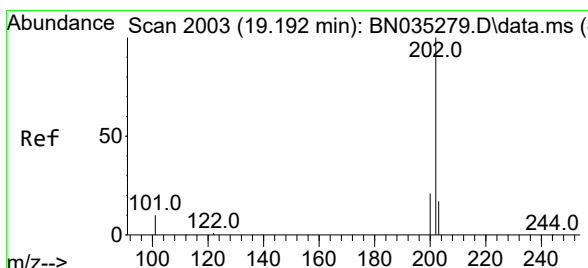
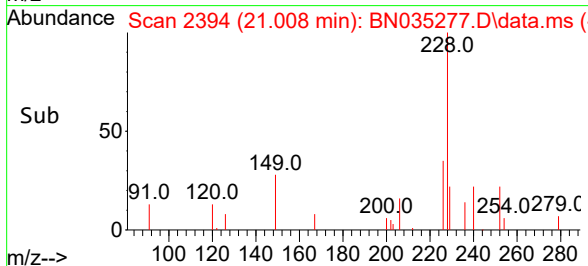
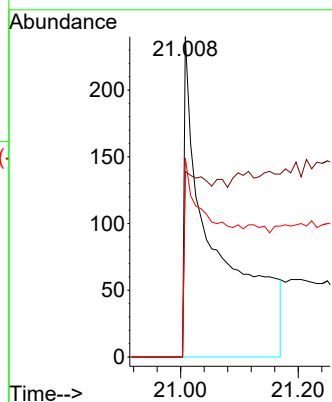
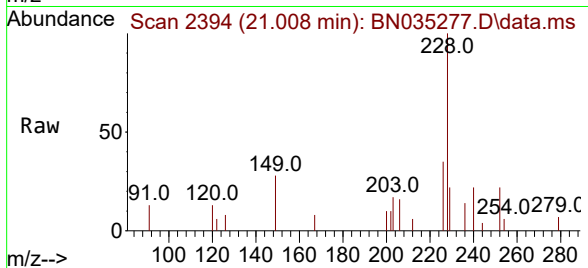
Tgt Ion:240 Resp: 834

Ion Ratio Lower Upper

240 100

120 57.9 54.9 82.3

236 62.1 54.0 81.0



#30

Pyrene

Concen: 0.093 ng

RT: 19.192 min Scan# 2003

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

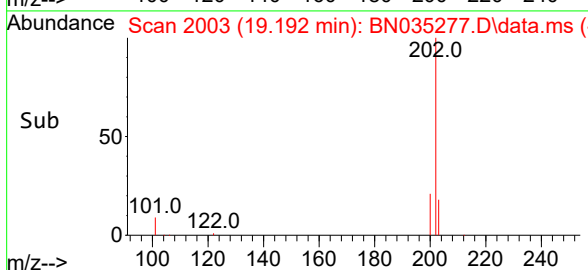
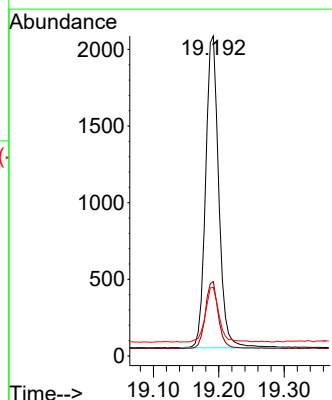
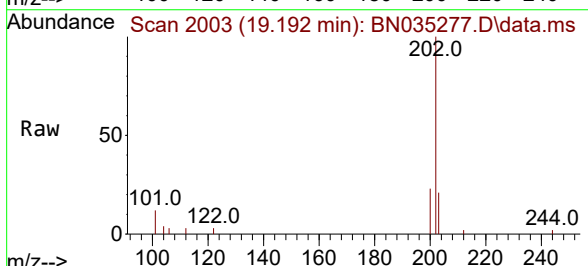
Tgt Ion:202 Resp: 2830

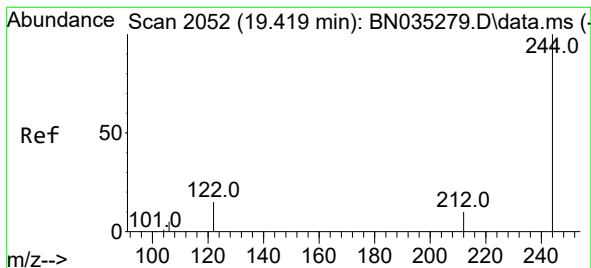
Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

203 17.9 14.4 21.6





#31

Terphenyl-d14

Concen: 0.085 ng

RT: 19.419 min Scan# 2052

Delta R.T. 0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

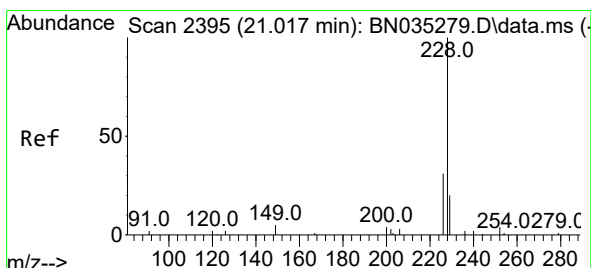
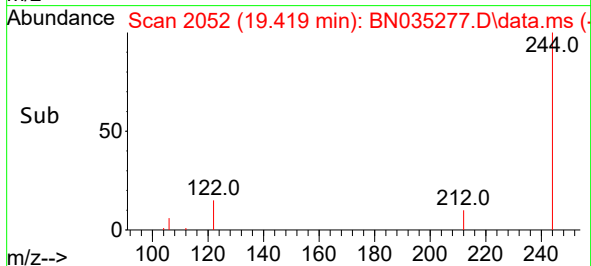
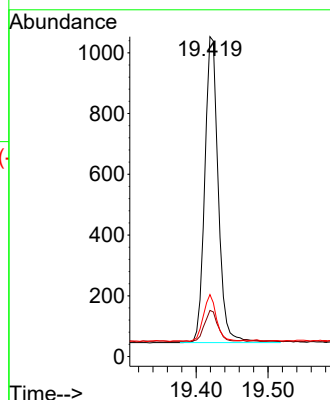
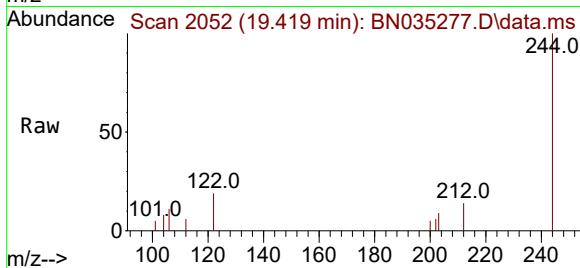
Tgt Ion:244 Resp: 1310

Ion Ratio Lower Upper

244 100

212 14.4 9.4 14.0#

122 19.4 13.0 19.4



#32

Benzo(a)anthracene

Concen: 0.093 ng

RT: 21.017 min Scan# 2395

Delta R.T. 0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

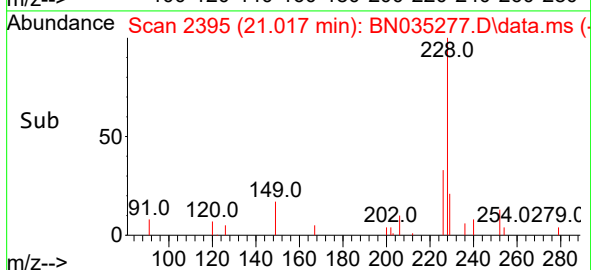
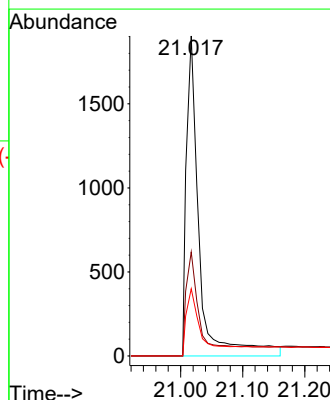
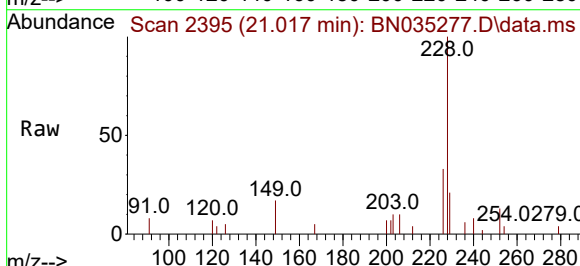
Tgt Ion:228 Resp: 2709

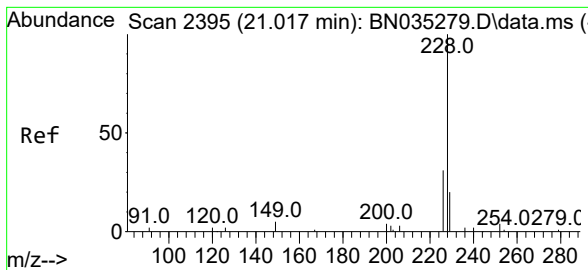
Ion Ratio Lower Upper

228 100

226 32.5 24.7 37.1

229 21.0 16.2 24.2





#33

Chrysene

Concen: 0.093 ng

RT: 21.017 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

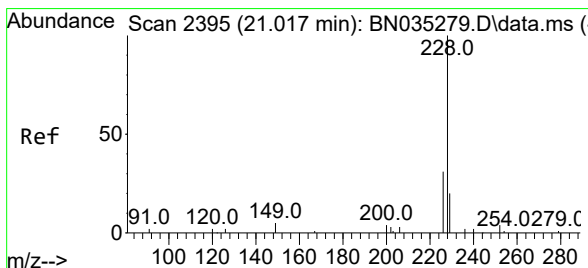
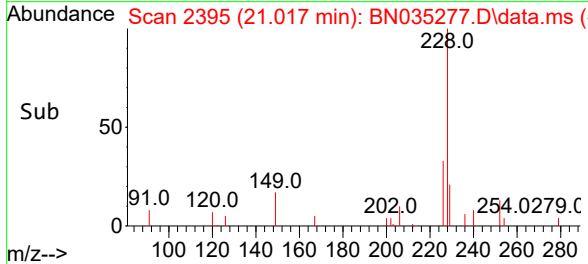
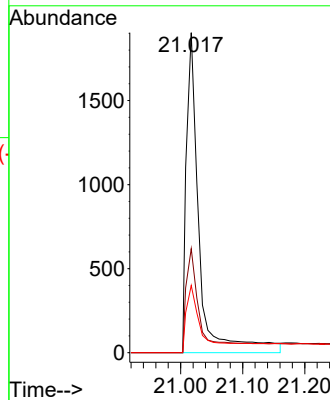
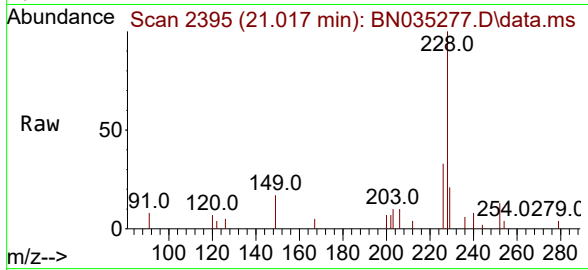
Tgt Ion:228 Resp: 2709

Ion Ratio Lower Upper

228 100

226 32.5 24.7 37.1

229 21.0 16.2 24.2



#34

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.017 min Scan# 2395

Delta R.T. 0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

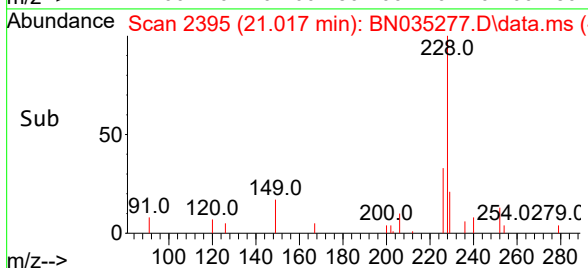
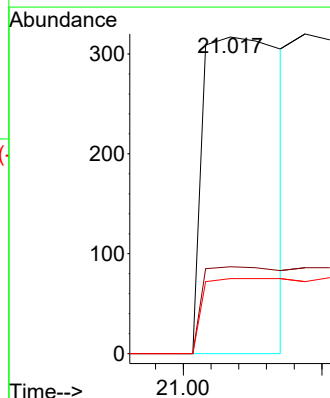
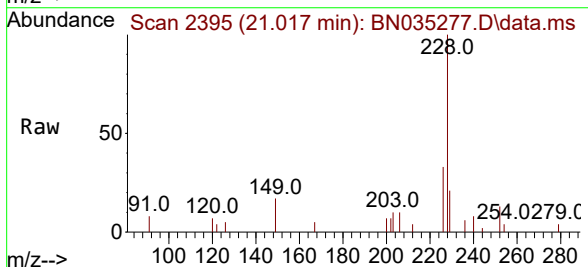
Tgt Ion:149 Resp: 540

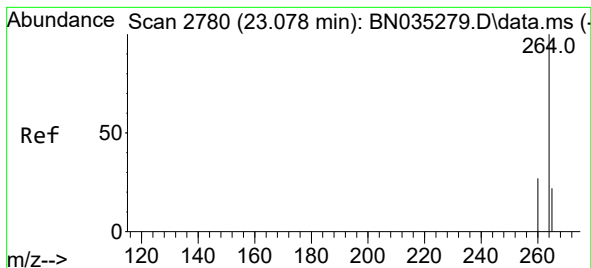
Ion Ratio Lower Upper

149 100

167 27.4 0.0 0.0#

279 30.7 13.0 19.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.081 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN035277.D

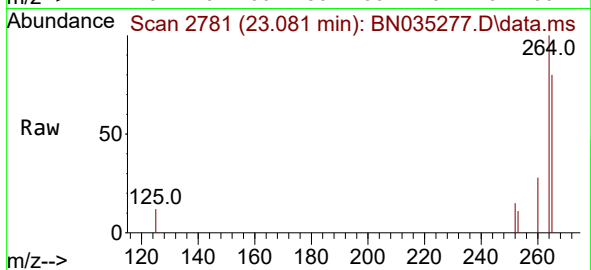
Acq: 25 Nov 2024 10:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1



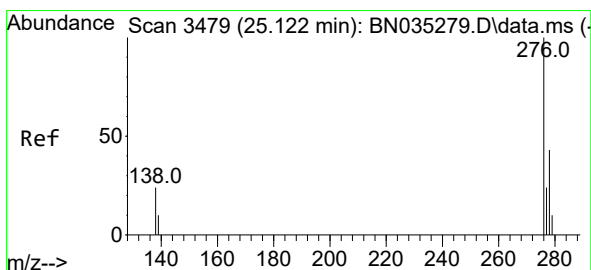
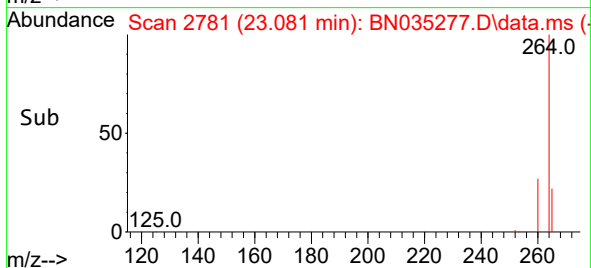
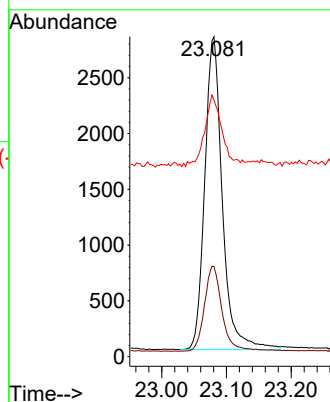
Tgt Ion:264 Resp: 5298

Ion Ratio Lower Upper

264 100

260 28.1 22.3 33.5

265 80.3 68.6 103.0



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.084 ng

RT: 25.121 min Scan# 3479

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

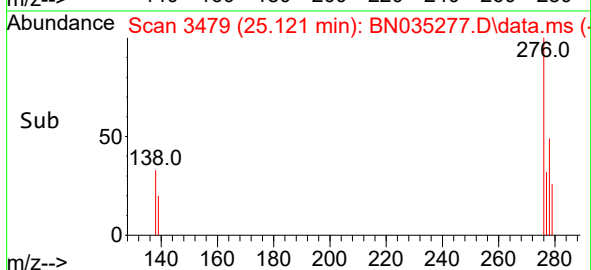
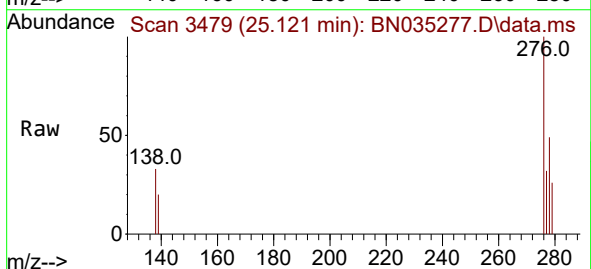
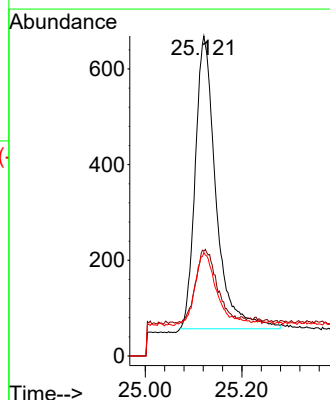
Tgt Ion:276 Resp: 1824

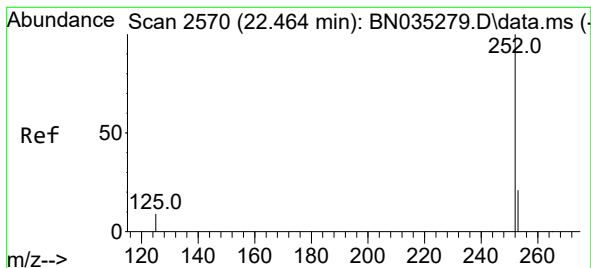
Ion Ratio Lower Upper

276 100

138 21.8 18.8 28.2

277 22.8 18.2 27.4





#37

Benzo(b)fluoranthene

Concen: 0.087 ng

RT: 22.464 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035277.D

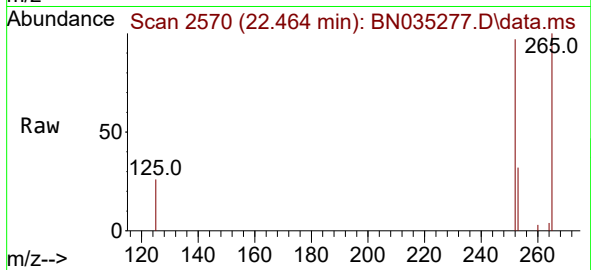
Acq: 25 Nov 2024 10:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1



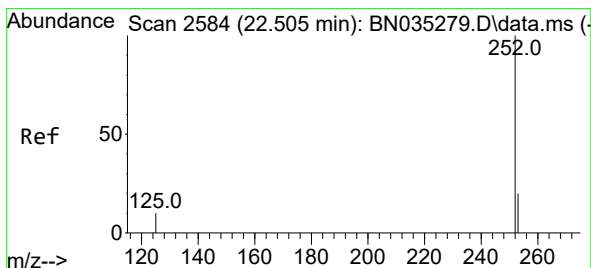
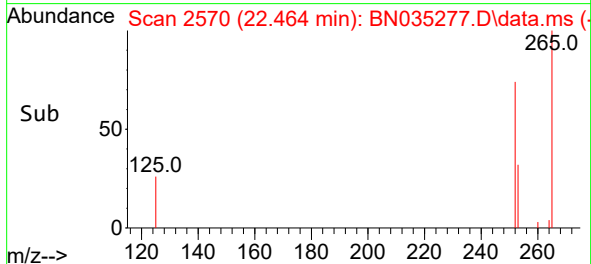
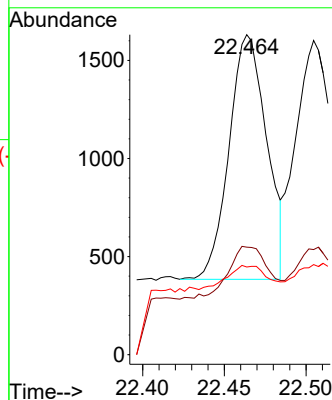
Tgt Ion:252 Resp: 1993

Ion Ratio Lower Upper

252 100

253 33.6 20.2 30.2#

125 27.4 12.0 18.0#



#38

Benzo(k)fluoranthene

Concen: 0.085 ng

RT: 22.505 min Scan# 2584

Delta R.T. -0.000 min

Lab File: BN035277.D

Acq: 25 Nov 2024 10:16

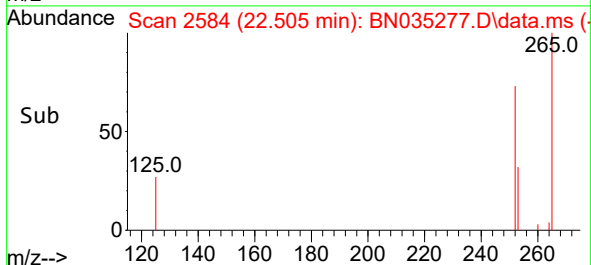
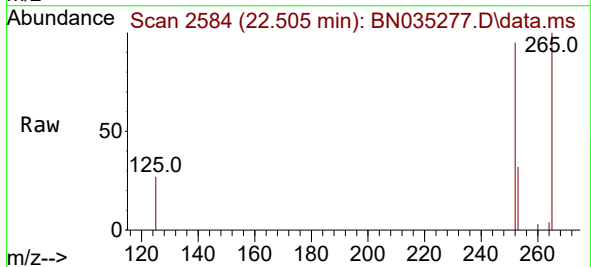
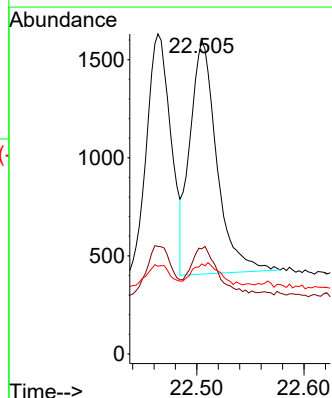
Tgt Ion:252 Resp: 2076

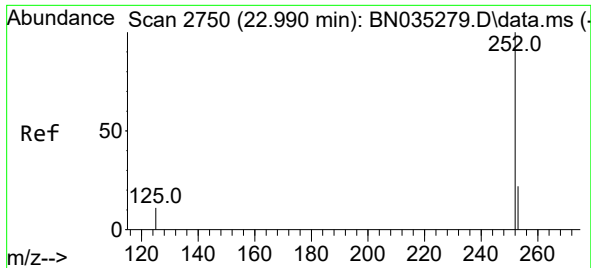
Ion Ratio Lower Upper

252 100

253 33.5 20.1 30.1#

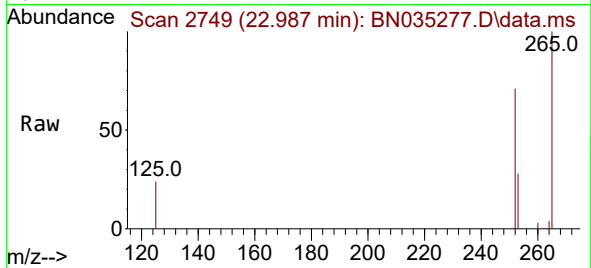
125 28.7 12.7 19.1#



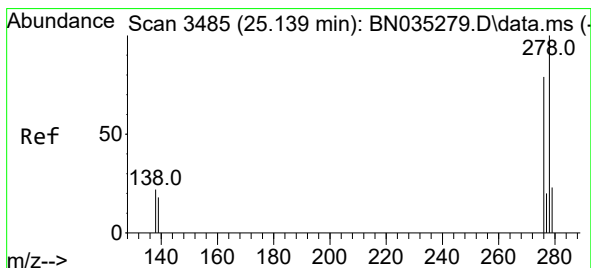
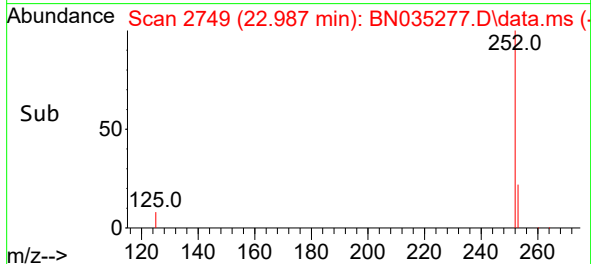
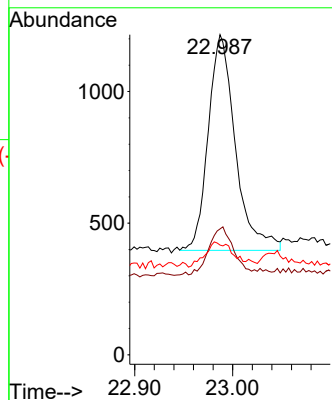


#39
Benzo(a)pyrene
Concen: 0.090 ng
RT: 22.987 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

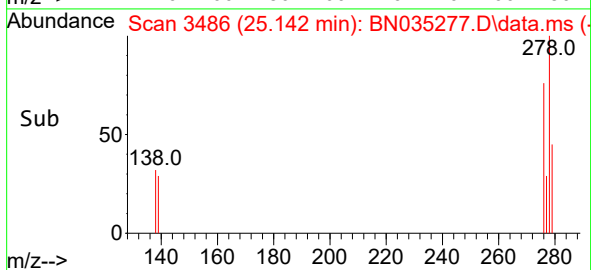
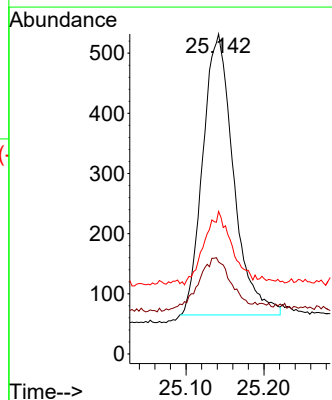
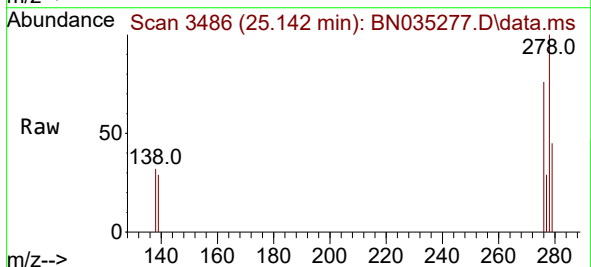


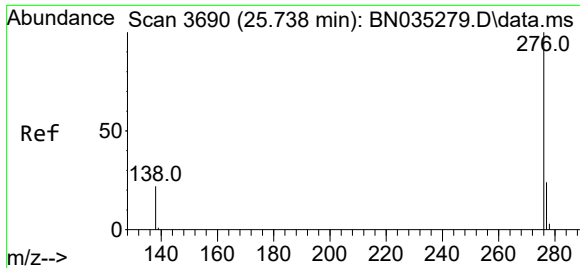
Tgt Ion:252 Resp: 1578
Ion Ratio Lower Upper
252 100
253 39.3 22.3 33.5#
125 34.3 15.3 22.9#



#40
Dibenzo(a,h)anthracene
Concen: 0.078 ng
RT: 25.142 min Scan# 3486
Delta R.T. 0.003 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:278 Resp: 1273
Ion Ratio Lower Upper
278 100
139 28.8 17.0 25.6#
279 44.5 23.0 34.4#

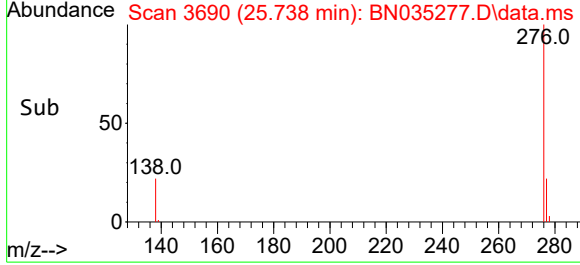
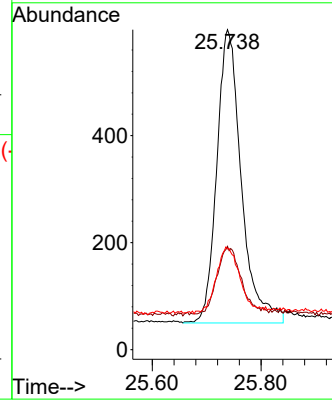
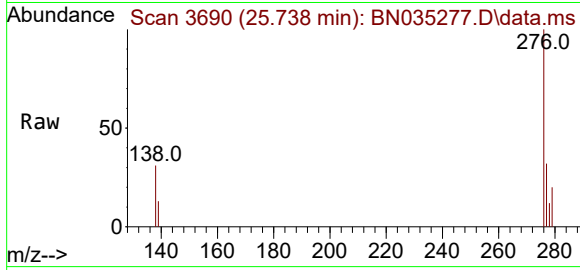




#41
Benzo(g,h,i)perylene
Concen: 0.091 ng
RT: 25.738 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 1716
Ion Ratio Lower Upper
276 100
277 32.3 21.1 31.7#
138 31.4 19.8 29.8#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035278.D
 Acq On : 25 Nov 2024 10:52
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Quant Time: Nov 25 18:31:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 25 14:32:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

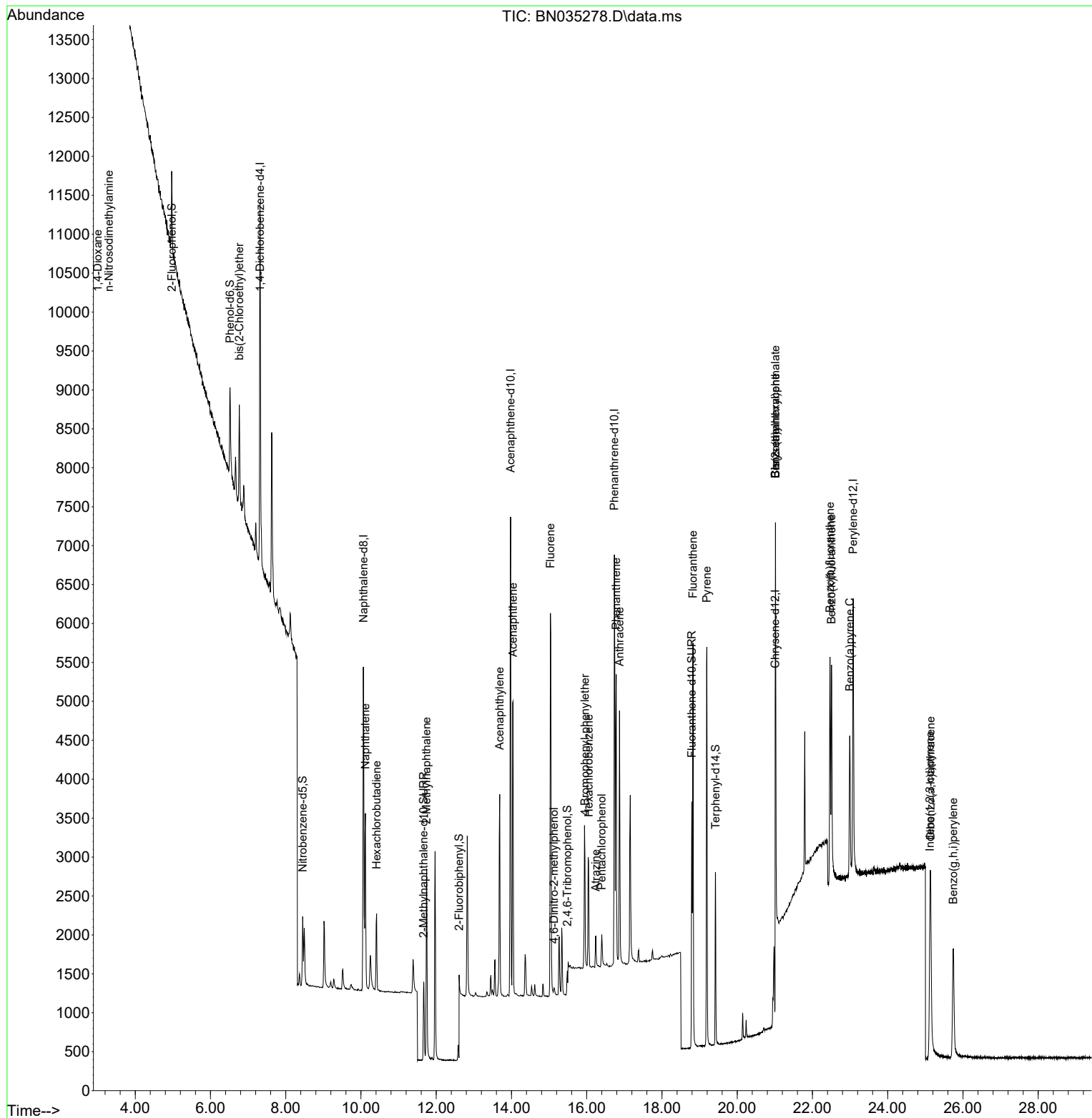
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	2248	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	5670	0.400	ng	0.00
13) Acenaphthene-d10	13.976	164	3200	0.400	ng	0.00
19) Phenanthrene-d10	16.734	188	7531	0.400	ng	0.00
29) Chrysene-d12	21.008	240	797	0.400	ng	0.00
35) Perylene-d12	23.084	264	4527	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	891	0.210	ng	0.00
5) Phenol-d6	6.520	99	1264	0.213	ng	0.00
8) Nitrobenzene-d5	8.450	82	1060	0.231	ng	0.00
11) 2-Methylnaphthalene-d10	11.666	152	1506	0.190	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	279	0.171	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	679	0.384	ng	0.00
27) Fluoranthene-d10	18.792	212	3625	0.180	ng	0.00
31) Terphenyl-d14	19.424	244	2197	0.149	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	310	0.192	ng	# 75
3) n-Nitrosodimethylamine	3.299	42	314	0.188	ng	# 82
6) bis(2-Chloroethyl)ether	6.766	93	978	0.196	ng	98
9) Naphthalene	10.116	128	2990	0.190	ng	96
10) Hexachlorobutadiene	10.415	225	818	0.185	ng	# 98
12) 2-Methylnaphthalene	11.742	142	1929	0.187	ng	97
16) Acenaphthylene	13.688	152	2991	0.186	ng	99
17) Acenaphthene	14.040	154	1852	0.183	ng	97
18) Fluorene	15.035	166	2587	0.182	ng	98
20) 4,6-Dinitro-2-methylph...	15.131	198	102	0.283	ng	# 49
21) 4-Bromophenyl-phenylether	15.952	248	888	0.186	ng	# 70
22) Hexachlorobenzene	16.051	284	1264	0.185	ng	98
23) Atrazine	16.237	200	357	0.177	ng	92
24) Pentachlorophenol	16.399	266	252	0.154	ng	97
25) Phenanthrene	16.783	178	4155	0.180	ng	100
26) Anthracene	16.870	178	3384	0.170	ng	99
28) Fluoranthene	18.825	202	4828	0.165	ng	100
30) Pyrene	19.192	202	4697	0.162	ng	99
32) Benzo(a)anthracene	21.017	228	4459	0.161	ng	99
33) Chrysene	21.017	228	4459	0.161	ng	99
34) Bis(2-ethylhexyl)phtha...	21.017	149	696	0.104	ng	# 92
36) Indeno(1,2,3-cd)pyrene	25.121	276	3191	0.172	ng	99
37) Benzo(b)fluoranthene	22.467	252	3513	0.179	ng	# 90
38) Benzo(k)fluoranthene	22.505	252	3588	0.172	ng	# 90
39) Benzo(a)pyrene	22.990	252	2673	0.178	ng	# 87
40) Dibenzo(a,h)anthracene	25.142	278	2328	0.166	ng	# 90
41) Benzo(g,h,i)perylene	25.741	276	2967	0.183	ng	95

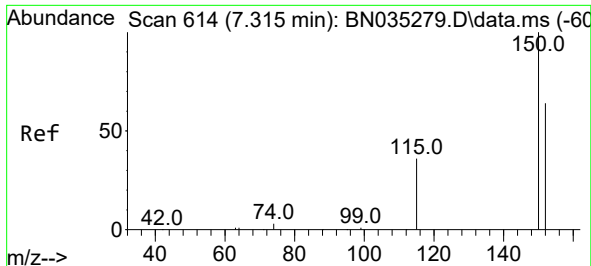
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035278.D
Acq On : 25 Nov 2024 10:52
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 25 18:31:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration

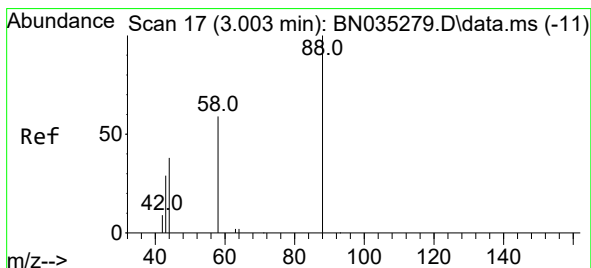
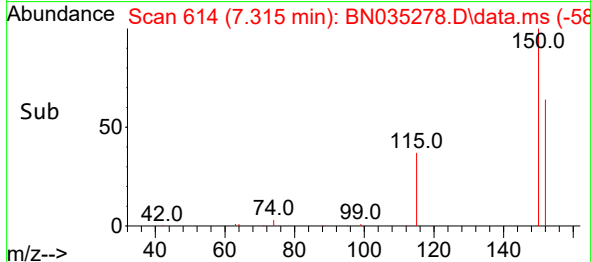
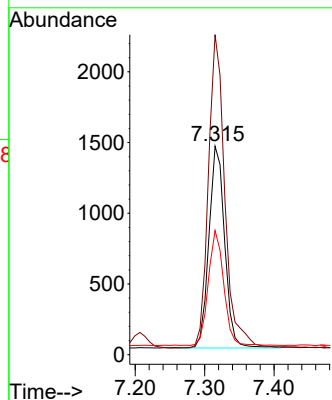
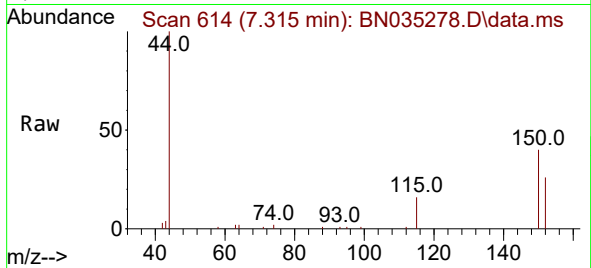




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.315 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN035278.D
 Acq: 25 Nov 2024 10:52

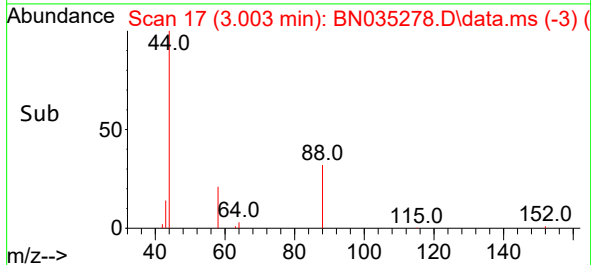
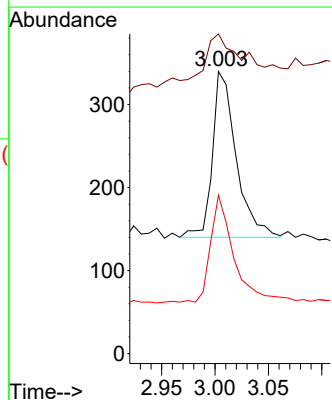
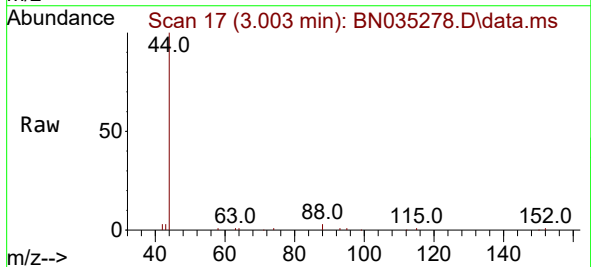
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

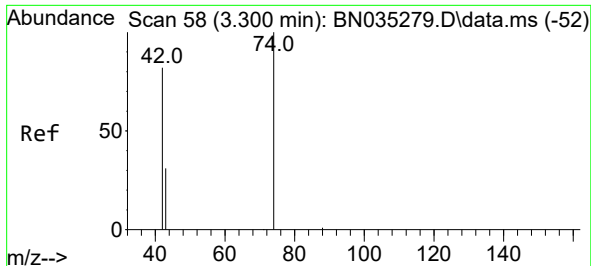
Tgt Ion:152 Resp: 2248
 Ion Ratio Lower Upper
 152 100
 150 153.5 124.5 186.7
 115 59.6 47.8 71.8



#2
 1,4-Dioxane
 Concen: 0.192 ng
 RT: 3.003 min Scan# 17
 Delta R.T. 0.000 min
 Lab File: BN035278.D
 Acq: 25 Nov 2024 10:52

Tgt Ion: 88 Resp: 310
 Ion Ratio Lower Upper
 88 100
 43 91.0 48.1 72.1#
 58 65.5 46.9 70.3

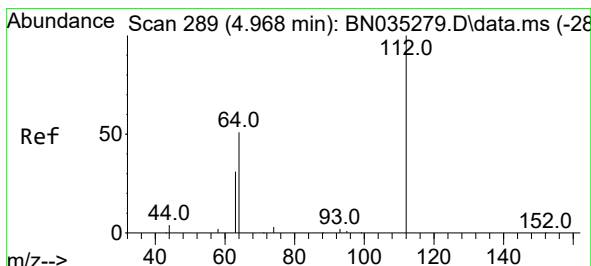
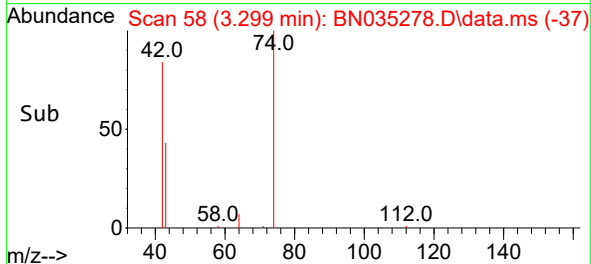
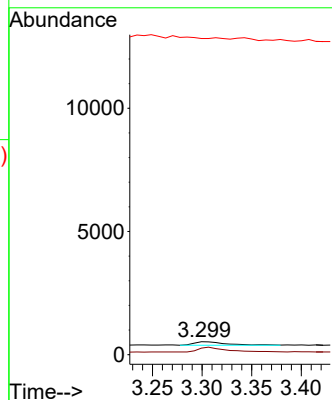
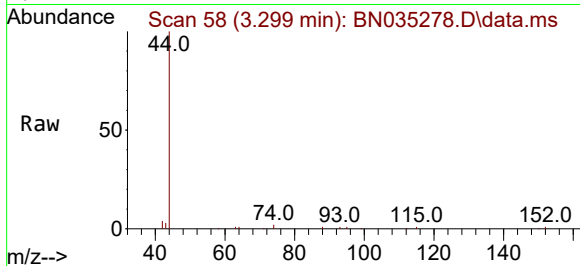




#3
 n-Nitrosodimethylamine
 Concen: 0.188 ng
 RT: 3.299 min Scan# 51
 Delta R.T. -0.001 min
 Lab File: BN035278.D
 Acq: 25 Nov 2024 10:52

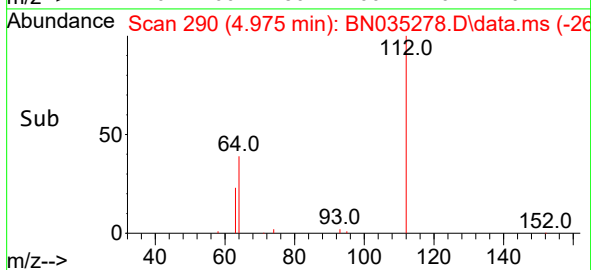
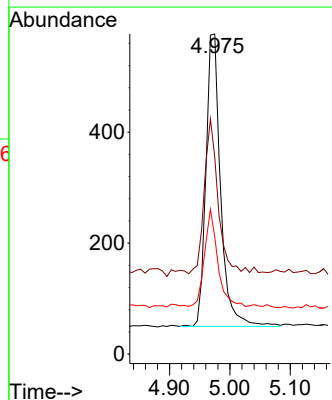
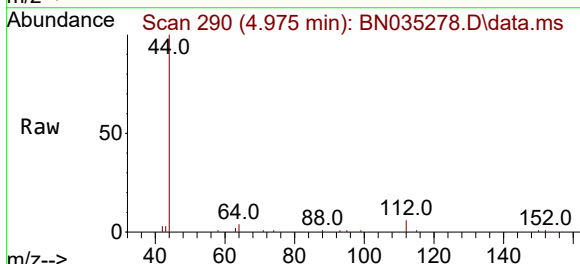
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

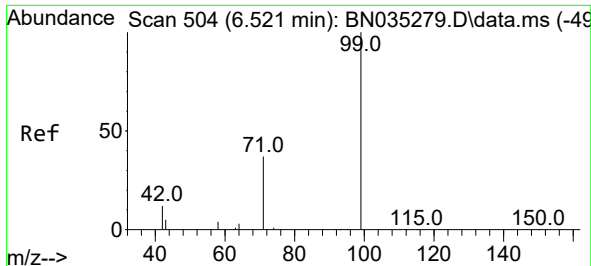
Tgt Ion: 42 Resp: 314
 Ion Ratio Lower Upper
 42 100
 74 125.8 102.7 154.1
 44 0.0 34.1 51.1#



#4
 2-Fluorophenol
 Concen: 0.210 ng
 RT: 4.975 min Scan# 290
 Delta R.T. 0.007 min
 Lab File: BN035278.D
 Acq: 25 Nov 2024 10:52

Tgt Ion: 112 Resp: 891
 Ion Ratio Lower Upper
 112 100
 64 50.3 40.4 60.6
 63 29.5 23.8 35.8

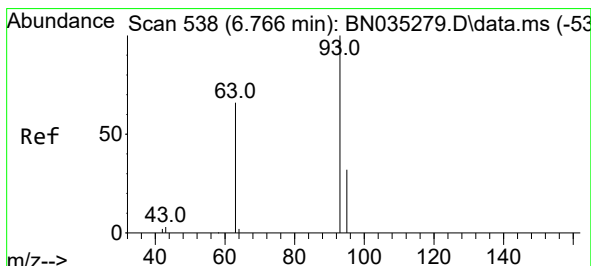
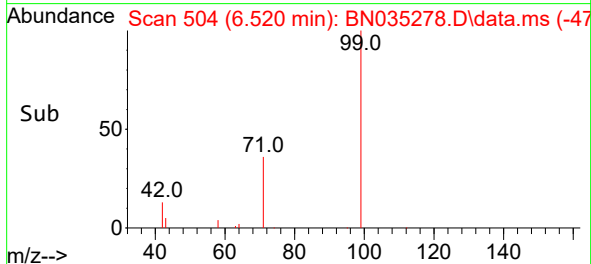
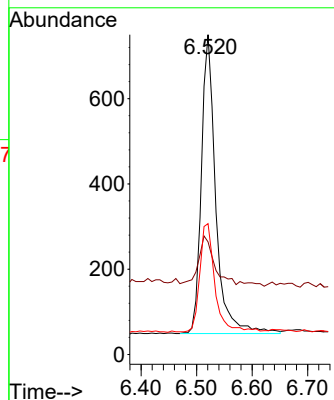
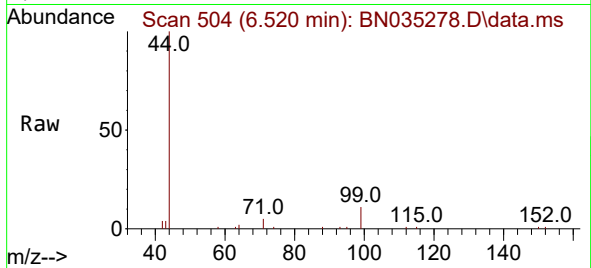




#5
Phenol-d6
Concen: 0.213 ng
RT: 6.520 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

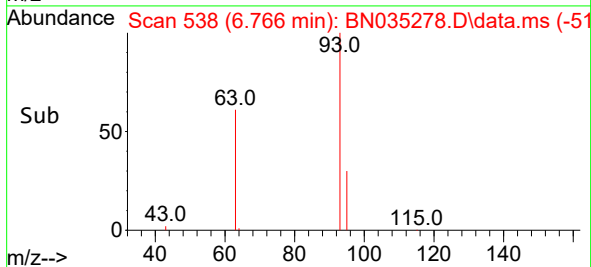
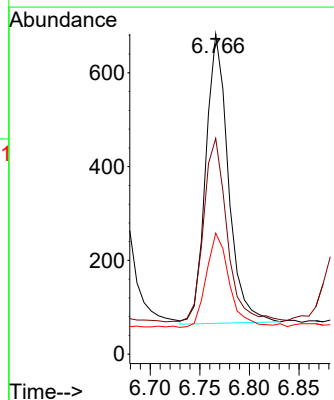
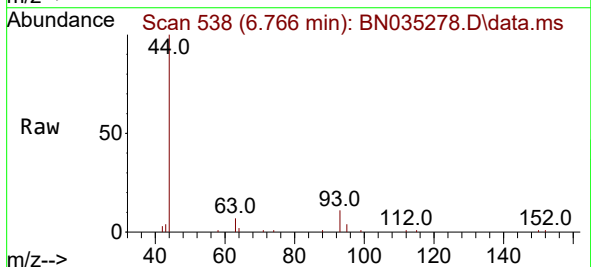
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

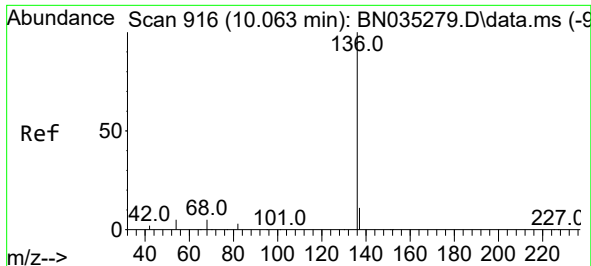
Tgt Ion: 99 Resp: 1264
Ion Ratio Lower Upper
99 100
42 20.3 12.8 19.2#
71 37.8 31.4 47.2



#6
bis(2-Chloroethyl)ether
Concen: 0.196 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion: 93 Resp: 978
Ion Ratio Lower Upper
93 100
63 66.0 52.3 78.5
95 33.7 25.5 38.3

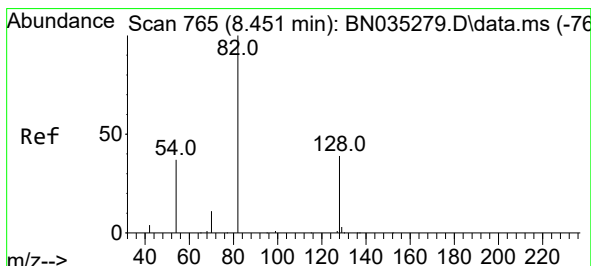
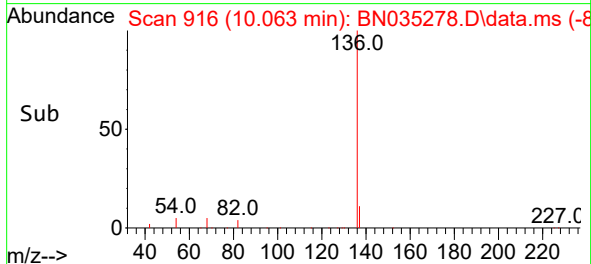
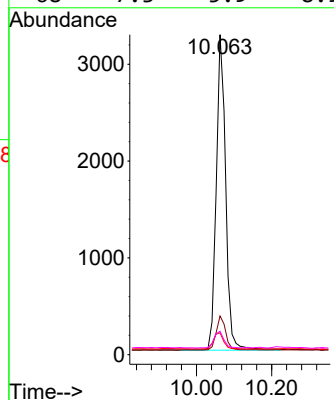
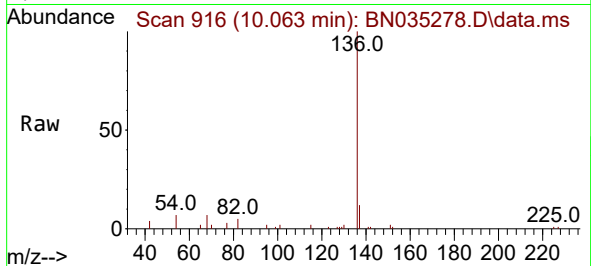




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

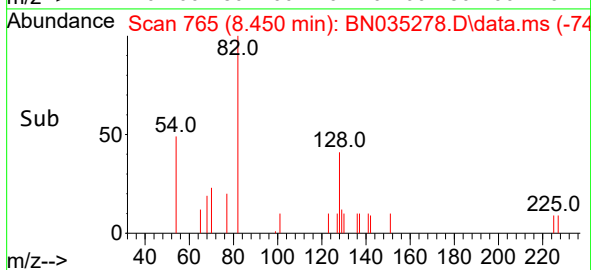
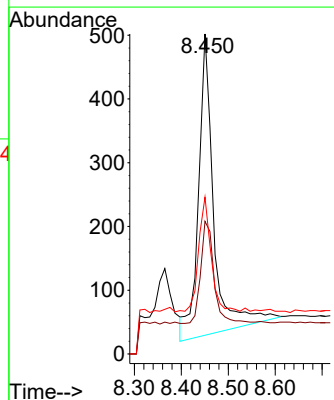
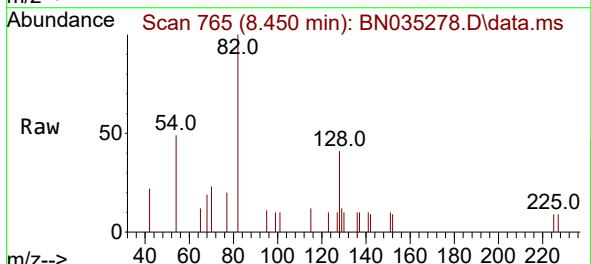
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

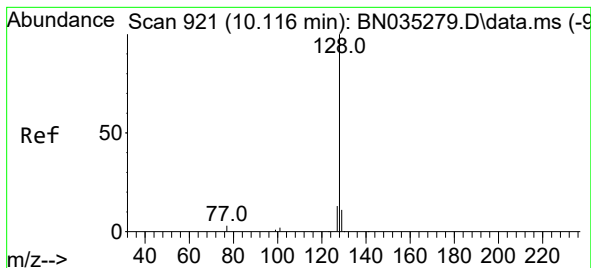
Tgt Ion:	136	Resp:	5670
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	6.8	5.3	7.9
68	7.3	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.231 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:	82	Resp:	1060
Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.0	49.4
54	49.0	33.3	49.9





#9

Naphthalene

Concen: 0.190 ng

RT: 10.116 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

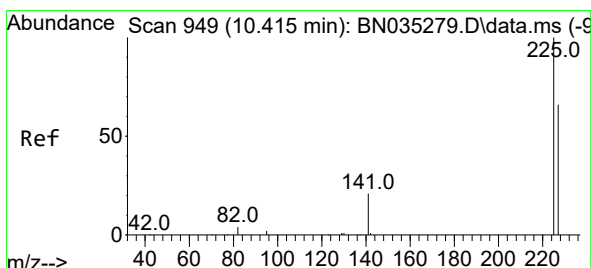
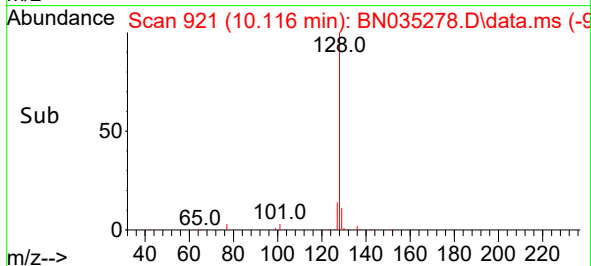
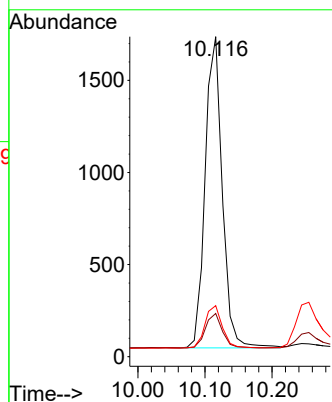
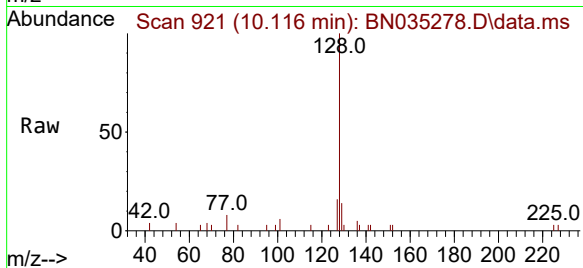
Tgt Ion:128 Resp: 2990

Ion Ratio Lower Upper

128 100

129 13.5 9.6 14.4

127 15.9 11.3 16.9



#10

Hexachlorobutadiene

Concen: 0.185 ng

RT: 10.415 min Scan# 949

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

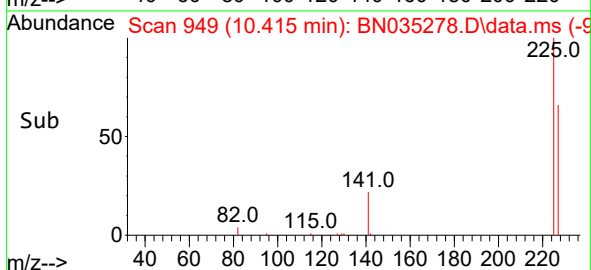
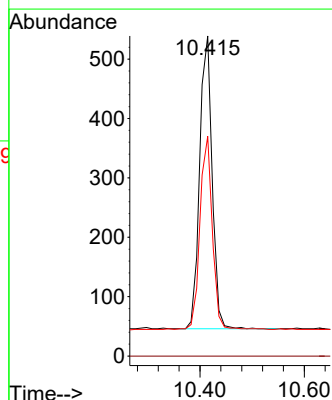
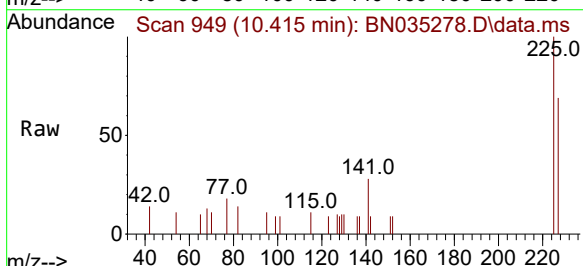
Tgt Ion:225 Resp: 818

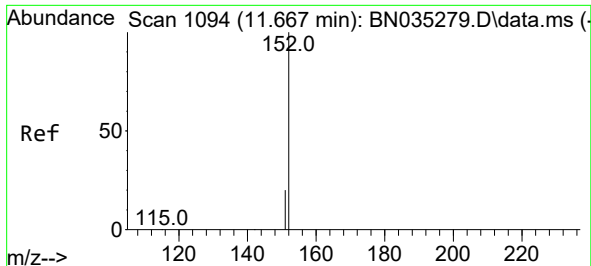
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 65.4 51.3 76.9

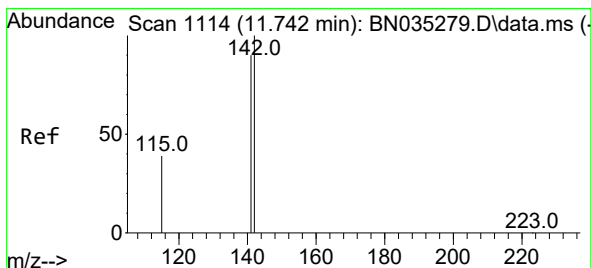
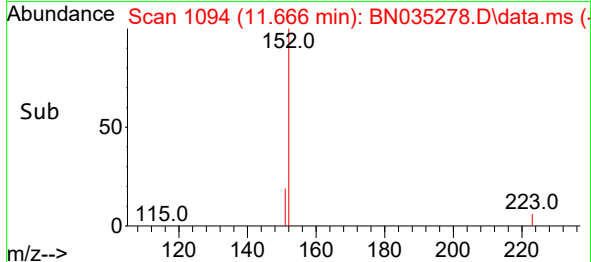
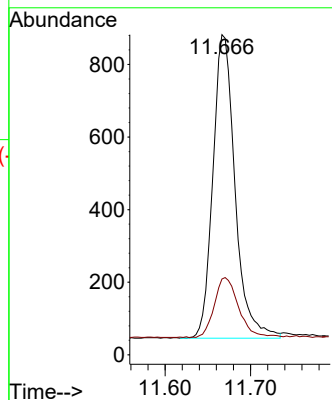
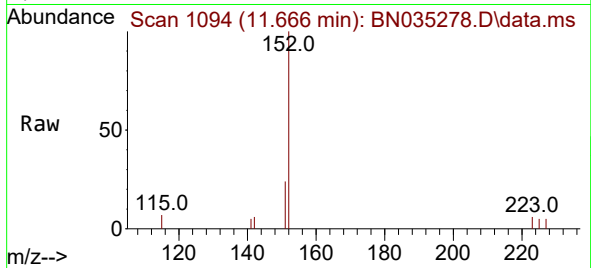




#11
2-Methylnaphthalene-d10
Concen: 0.190 ng
RT: 11.666 min Scan# 1109
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

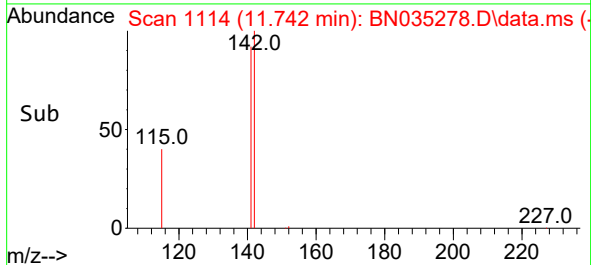
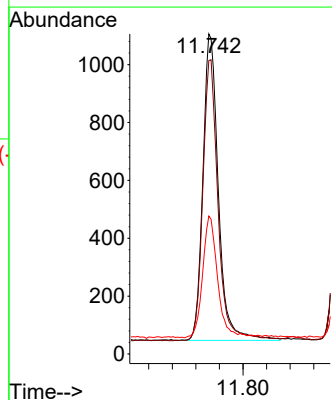
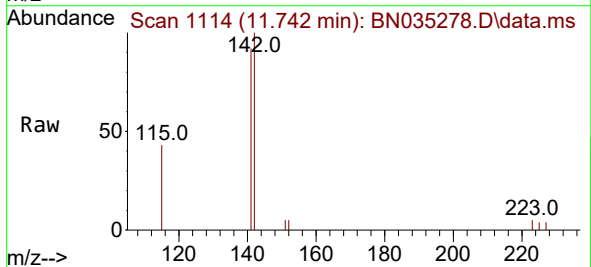
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

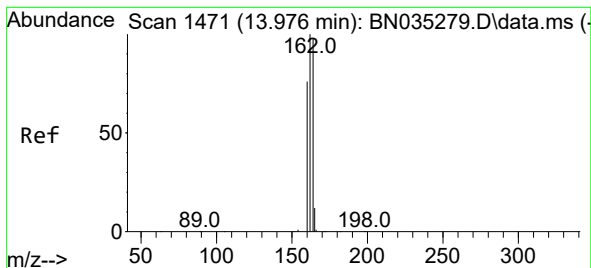
Tgt Ion:152 Resp: 1506
Ion Ratio Lower Upper
152 100
151 22.0 17.2 25.8



#12
2-Methylnaphthalene
Concen: 0.187 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:142 Resp: 1929
Ion Ratio Lower Upper
142 100
141 91.7 71.8 107.8
115 43.1 32.6 49.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.976 min Scan# 1471

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

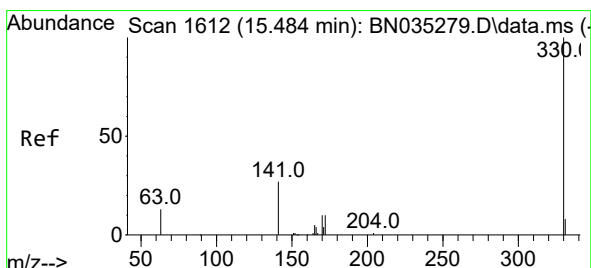
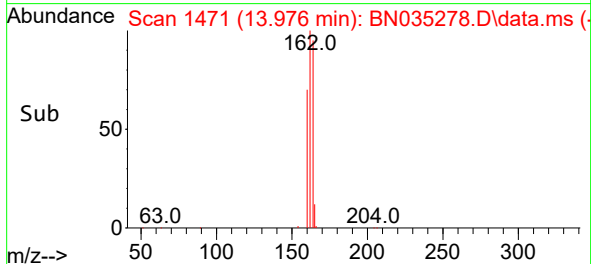
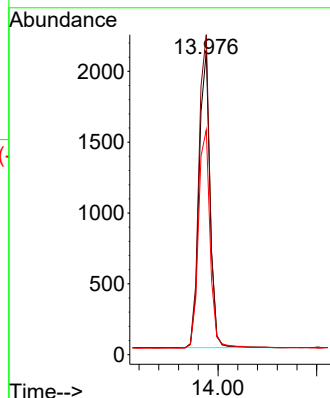
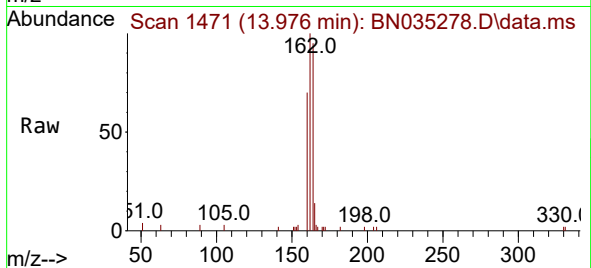
Tgt Ion:164 Resp: 3200

Ion Ratio Lower Upper

164 100

162 105.6 82.0 123.0

160 74.2 63.0 94.4



#14

2,4,6-Tribromophenol

Concen: 0.171 ng

RT: 15.484 min Scan# 1612

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

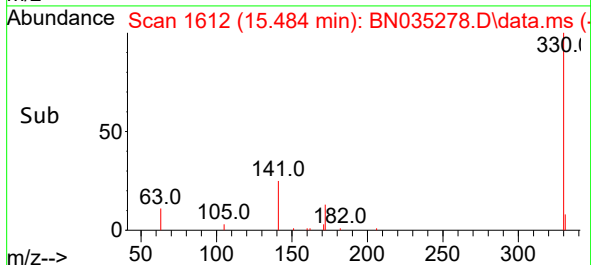
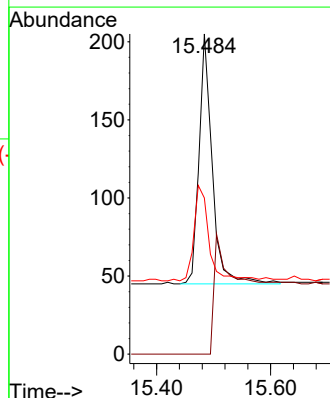
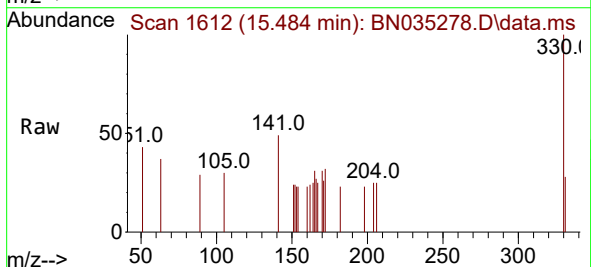
Tgt Ion:330 Resp: 279

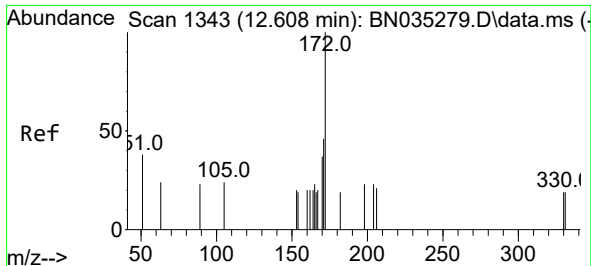
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 43.4 32.4 48.6

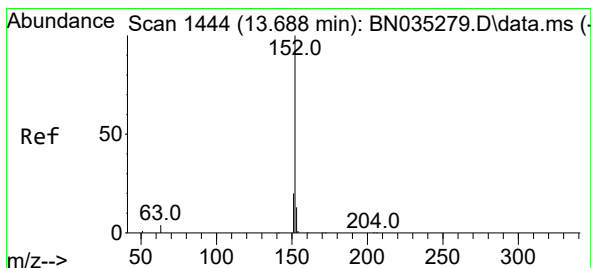
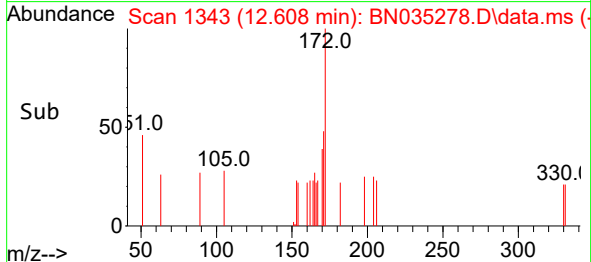
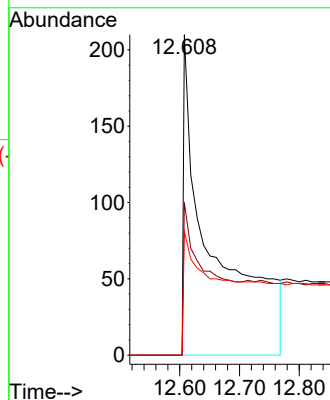
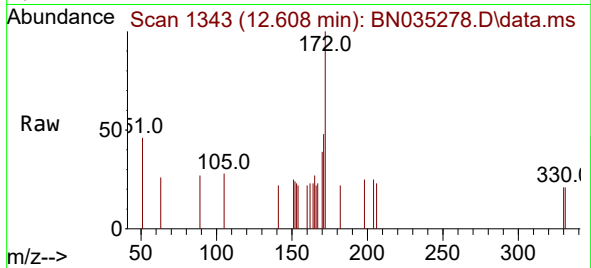




#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 12.608 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

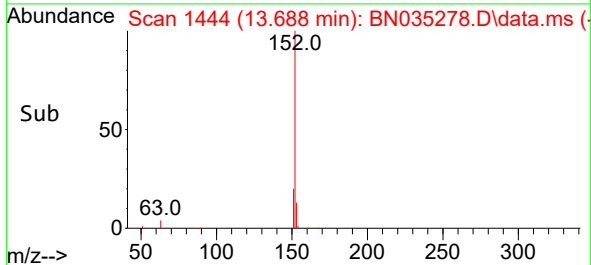
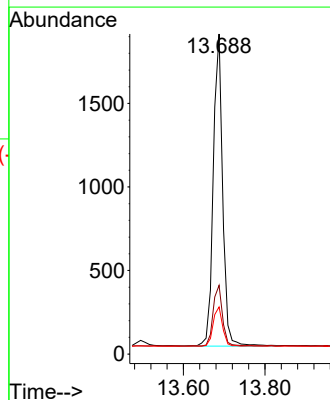
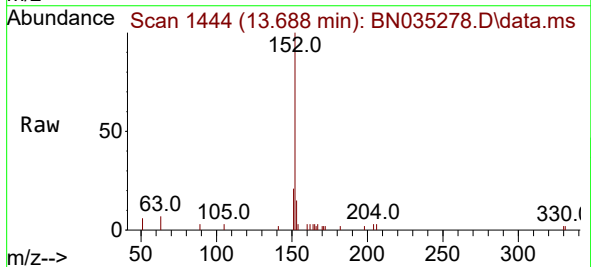
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

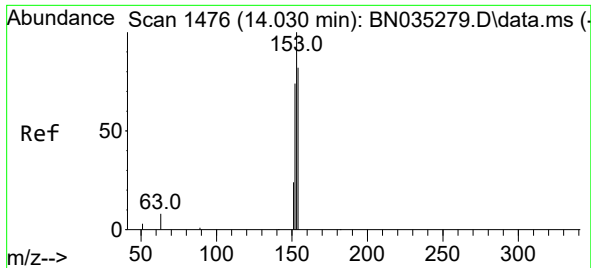
Tgt Ion:172 Resp: 679
Ion Ratio Lower Upper
172 100
171 47.6 36.6 55.0
170 38.6 29.7 44.5



#16
Acenaphthylene
Concen: 0.186 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:152 Resp: 2991
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 12.9 10.2 15.4

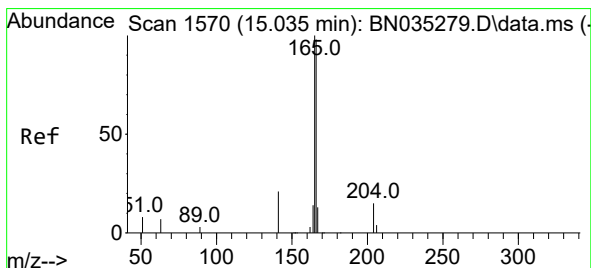
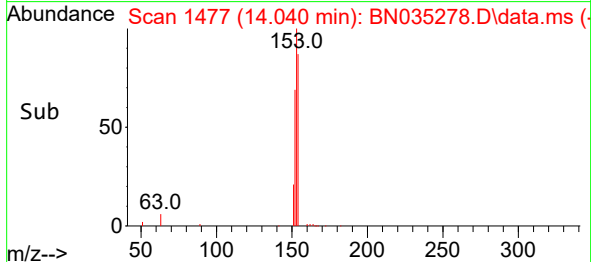
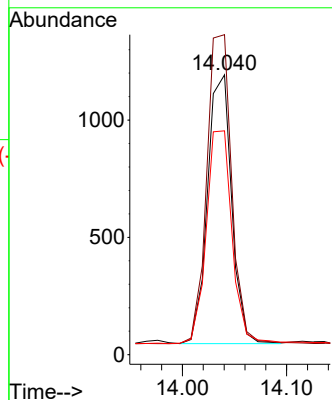
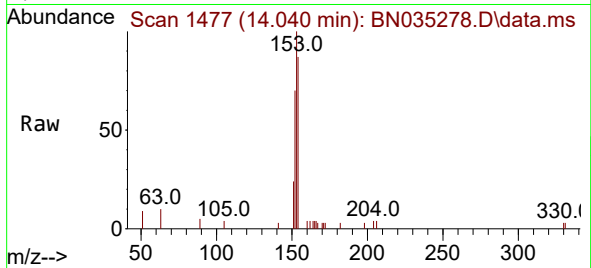




#17
Acenaphthene
Concen: 0.183 ng
RT: 14.040 min Scan# 1476
Delta R.T. 0.010 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

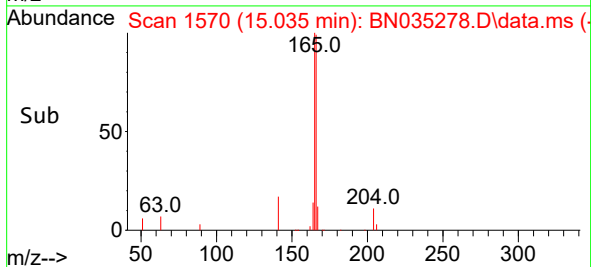
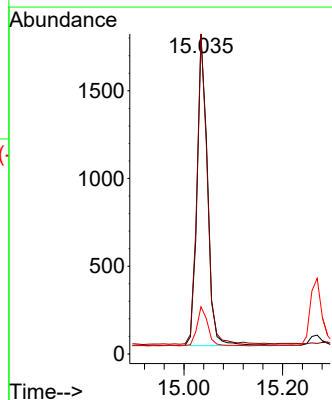
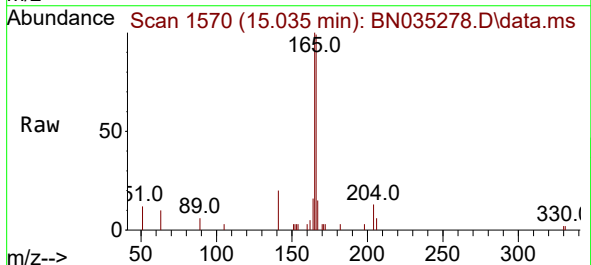
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

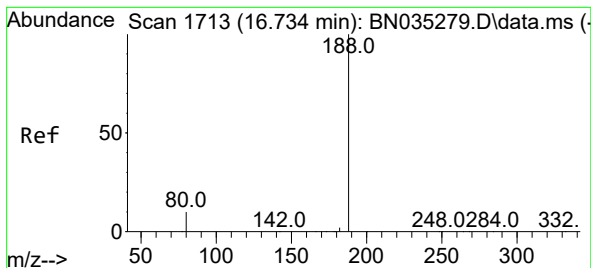
Tgt Ion:154 Resp: 1852
Ion Ratio Lower Upper
154 100
153 119.7 96.1 144.1
152 84.6 72.2 108.2



#18
Fluorene
Concen: 0.182 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:166 Resp: 2587
Ion Ratio Lower Upper
166 100
165 99.7 81.2 121.8
167 13.2 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.734 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

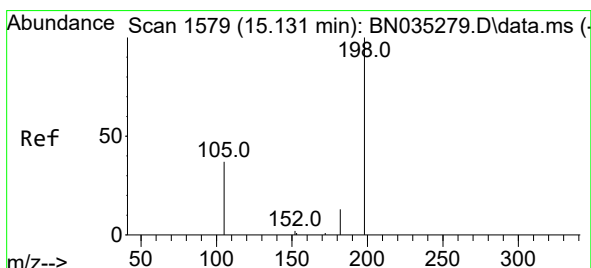
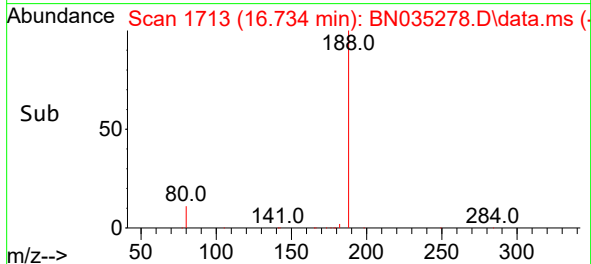
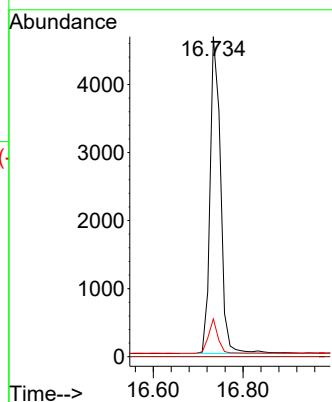
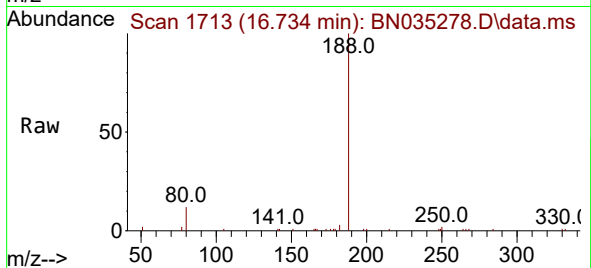
Tgt Ion:188 Resp: 7531

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.8 8.9 13.3



#20

4,6-Dinitro-2-methylphenol

Concen: 0.283 ng

RT: 15.131 min Scan# 1579

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

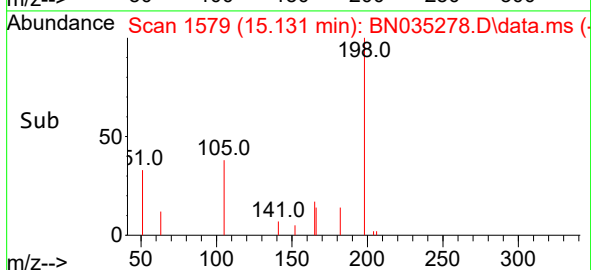
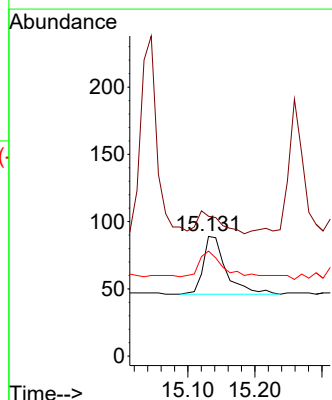
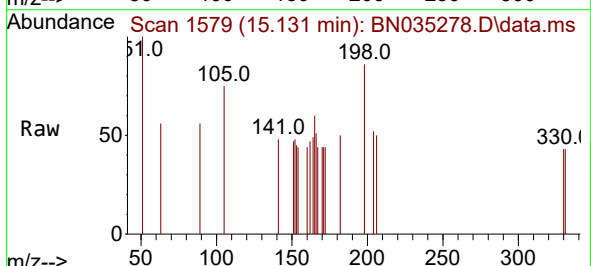
Tgt Ion:198 Resp: 102

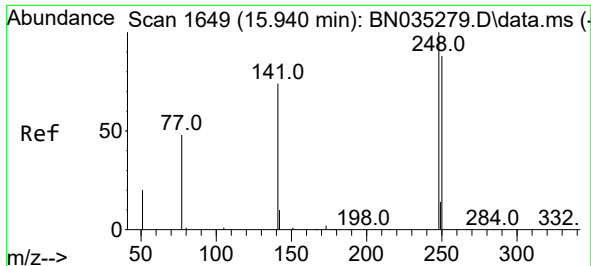
Ion Ratio Lower Upper

198 100

51 116.9 53.6 80.4#

105 87.6 47.4 71.2#

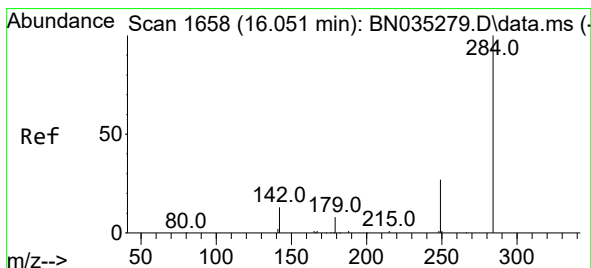
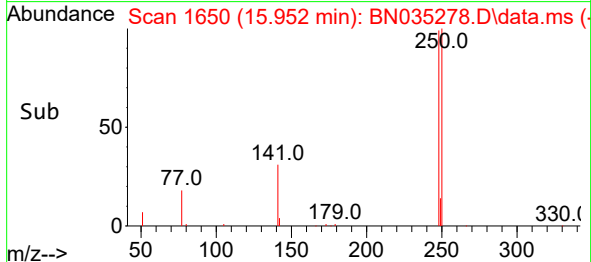
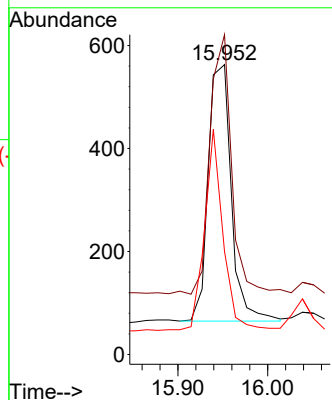
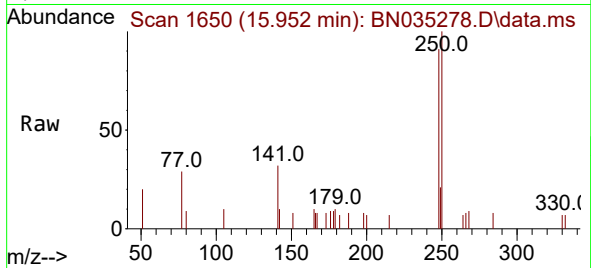




#21
4-Bromophenyl-phenylether
Concen: 0.186 ng
RT: 15.952 min Scan# 1650
Delta R.T. 0.012 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

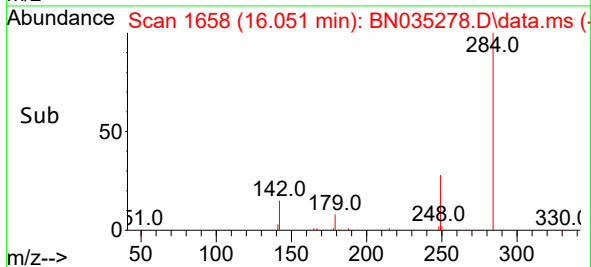
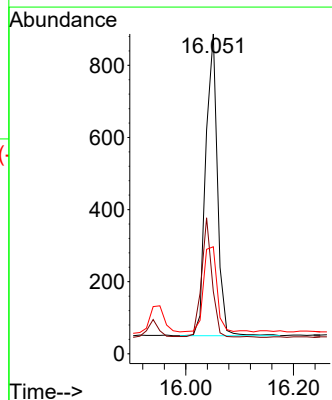
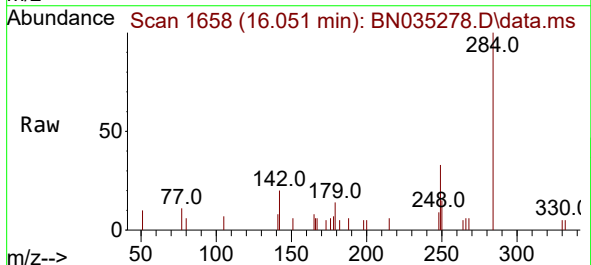
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

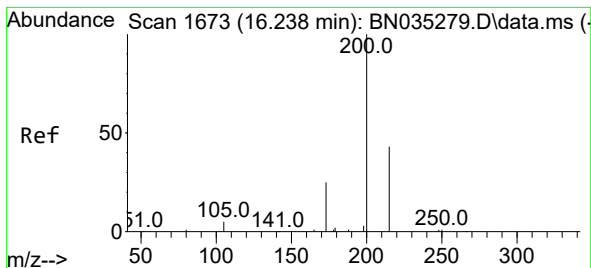
Tgt Ion:248 Resp: 888
Ion Ratio Lower Upper
248 100
250 110.3 74.8 112.2
141 35.5 59.0 88.4#



#22
Hexachlorobenzene
Concen: 0.185 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:284 Resp: 1264
Ion Ratio Lower Upper
284 100
142 35.2 28.7 43.1
249 33.8 25.4 38.0





#23

Atrazine

Concen: 0.177 ng

RT: 16.237 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

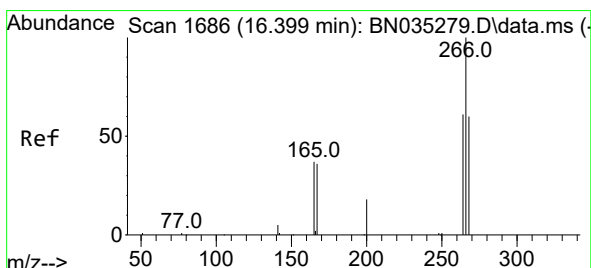
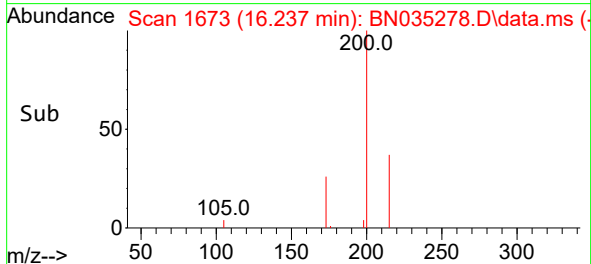
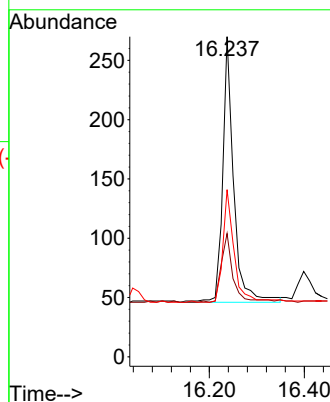
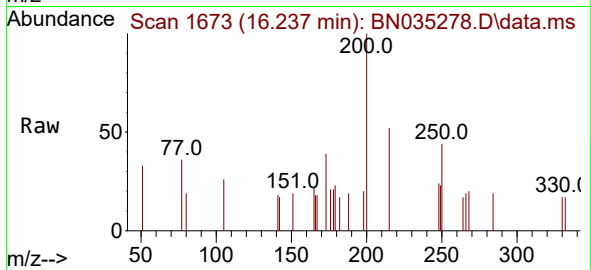
Tgt Ion:200 Resp: 357

Ion Ratio Lower Upper

200 100

173 38.5 25.8 38.8

215 52.2 38.6 58.0



#24

Pentachlorophenol

Concen: 0.154 ng

RT: 16.399 min Scan# 1686

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

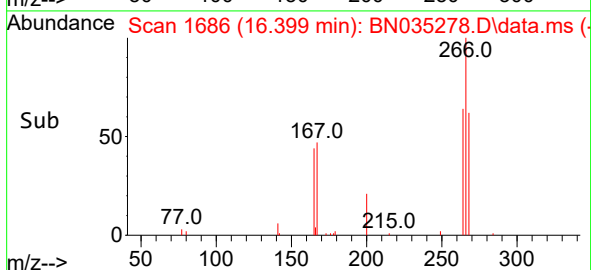
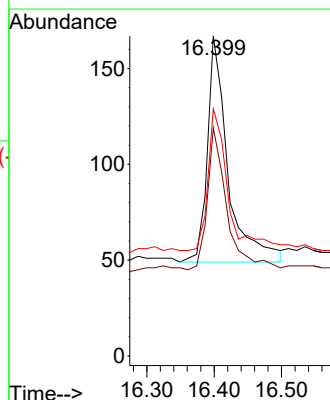
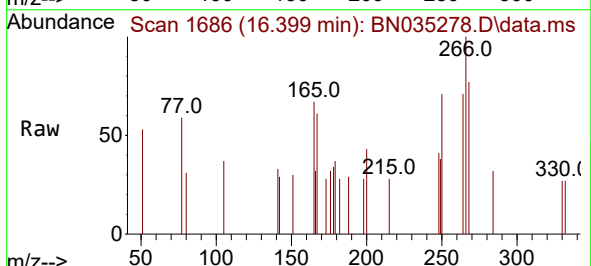
Tgt Ion:266 Resp: 252

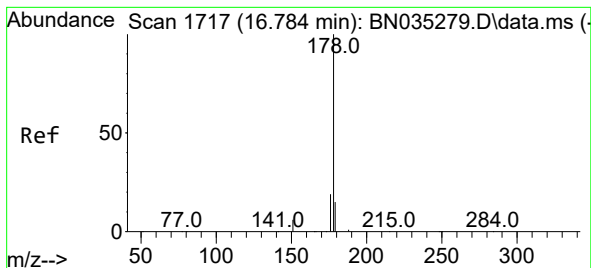
Ion Ratio Lower Upper

266 100

264 59.1 49.3 73.9

268 63.1 48.6 73.0





#25

Phenanthrene

Concen: 0.180 ng

RT: 16.783 min Scan# 1717

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

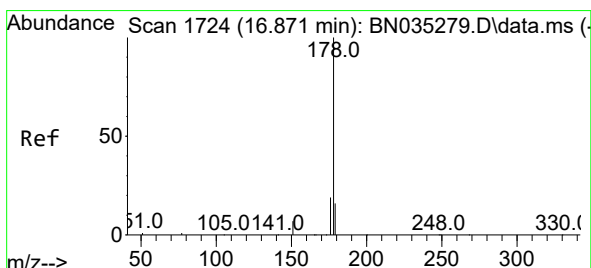
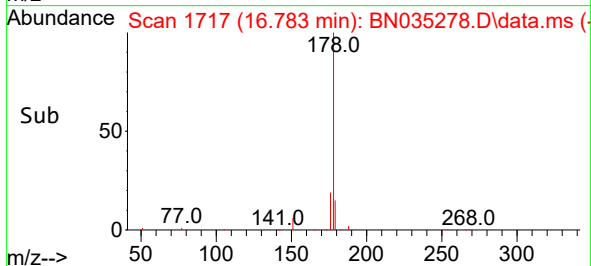
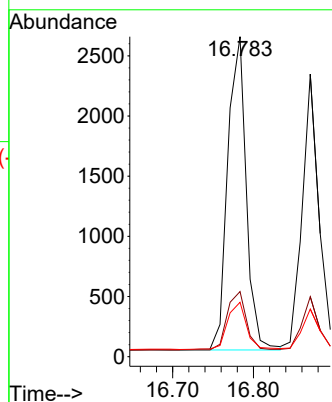
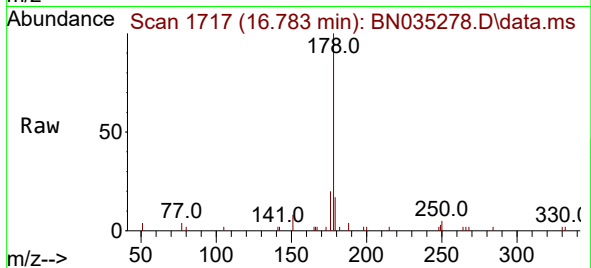
Tgt Ion:178 Resp: 4155

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 15.5 12.6 18.8



#26

Anthracene

Concen: 0.170 ng

RT: 16.870 min Scan# 1724

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

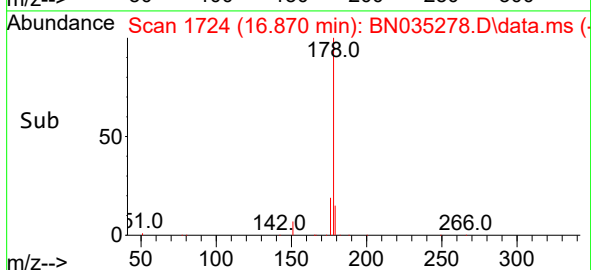
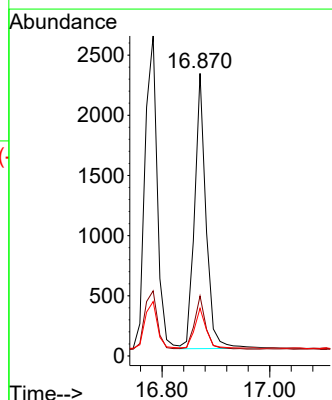
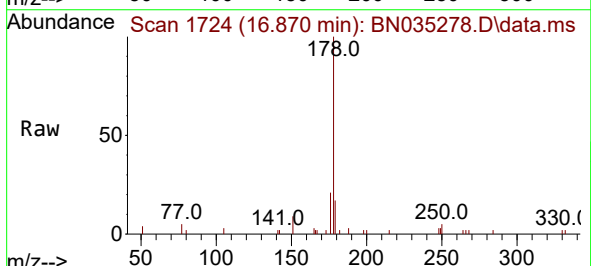
Tgt Ion:178 Resp: 3384

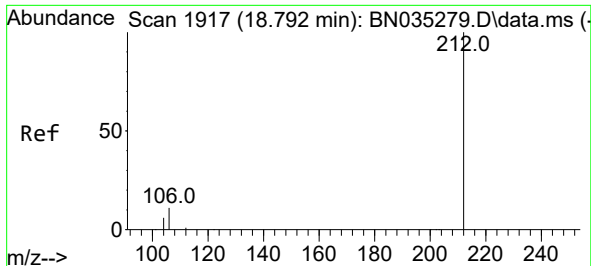
Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

179 15.0 12.4 18.6

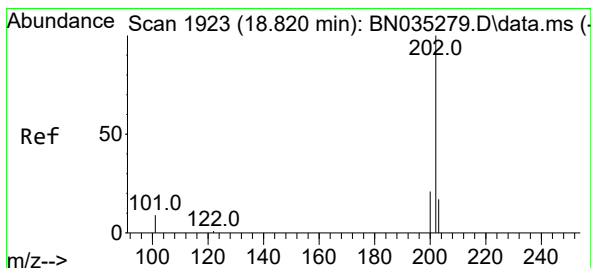
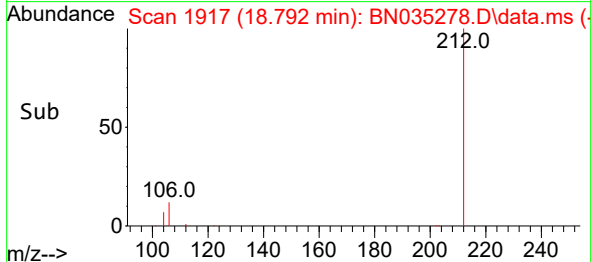
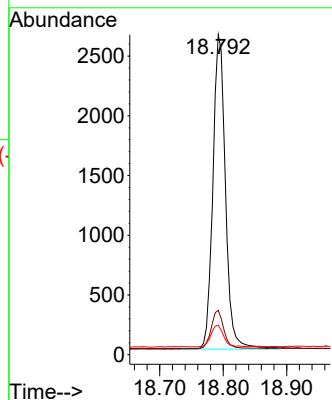
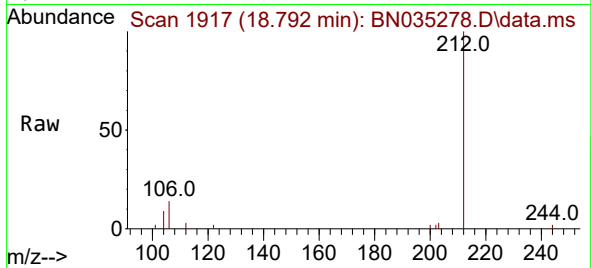




#27
Fluoranthene-d10
Concen: 0.180 ng
RT: 18.792 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

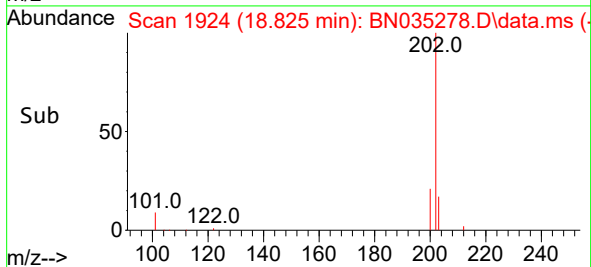
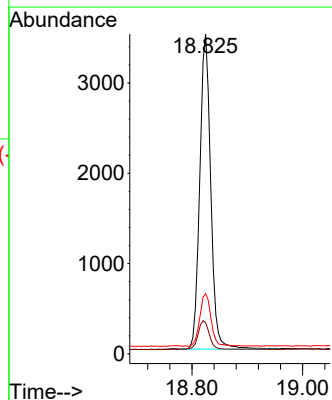
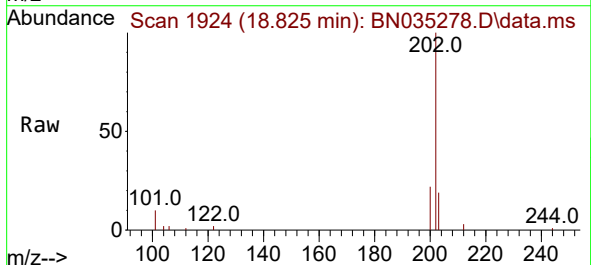
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

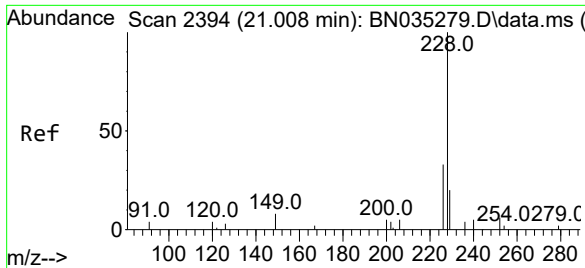
Tgt Ion:212 Resp: 3625
Ion Ratio Lower Upper
212 100
106 12.3 9.8 14.8
104 6.9 5.6 8.4



#28
Fluoranthene
Concen: 0.165 ng
RT: 18.825 min Scan# 1924
Delta R.T. 0.005 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:202 Resp: 4828
Ion Ratio Lower Upper
202 100
101 9.2 7.6 11.4
203 17.3 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

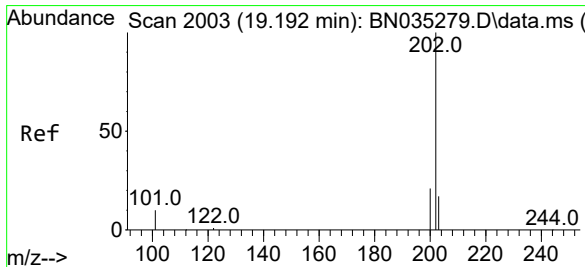
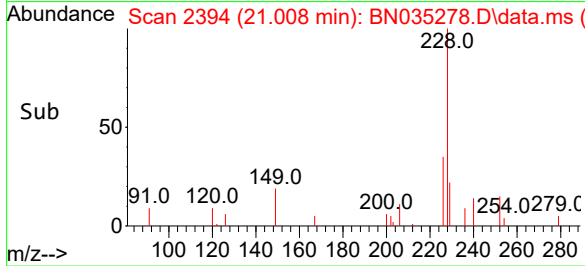
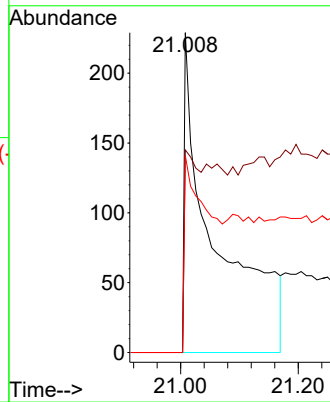
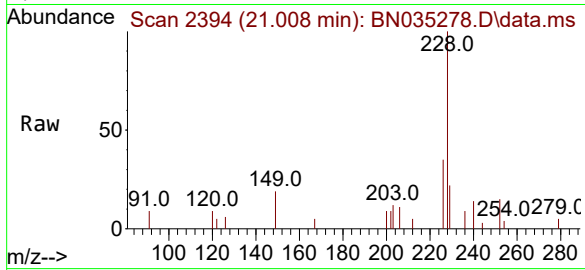
Tgt Ion:240 Resp: 797

Ion Ratio Lower Upper

240 100

120 63.3 54.9 82.3

236 61.6 54.0 81.0



#30

Pyrene

Concen: 0.162 ng

RT: 19.192 min Scan# 2003

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

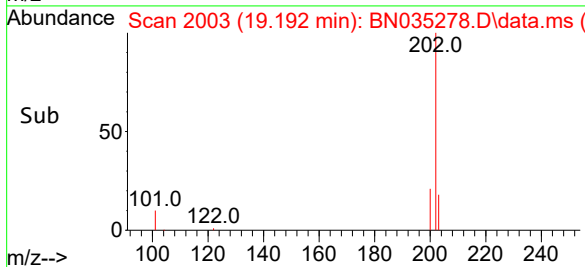
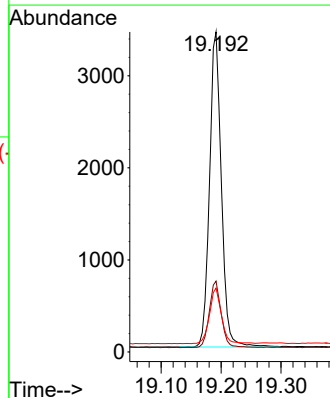
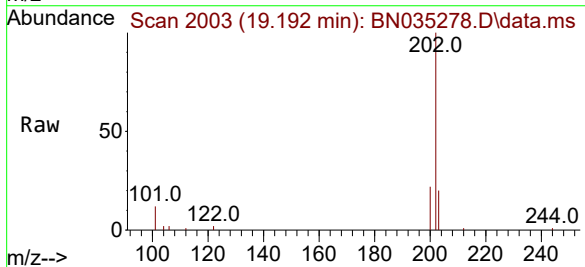
Tgt Ion:202 Resp: 4697

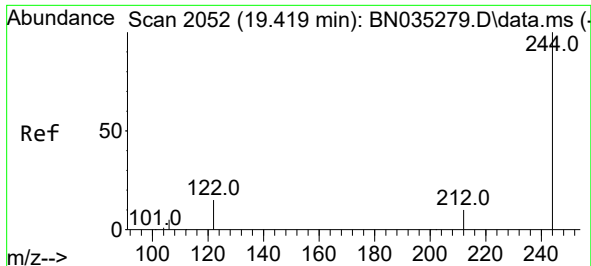
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 17.7 14.4 21.6

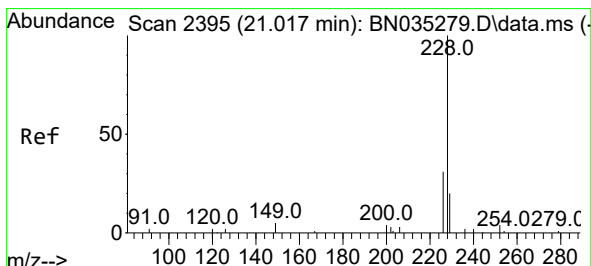
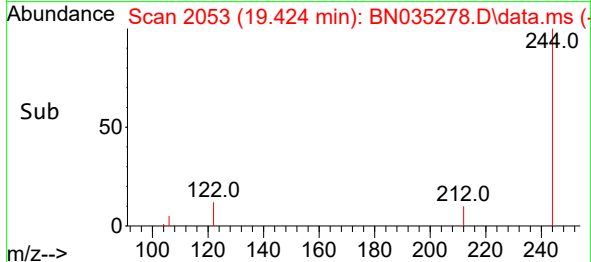
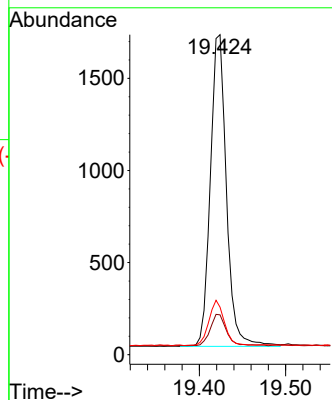
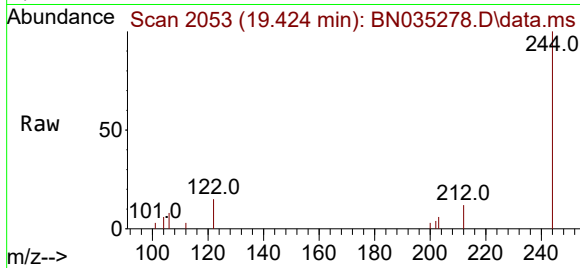




#31
 Terphenyl-d14
 Concen: 0.149 ng
 RT: 19.424 min Scan# 2052
 Delta R.T. 0.005 min
 Lab File: BN035278.D
 Acq: 25 Nov 2024 10:52

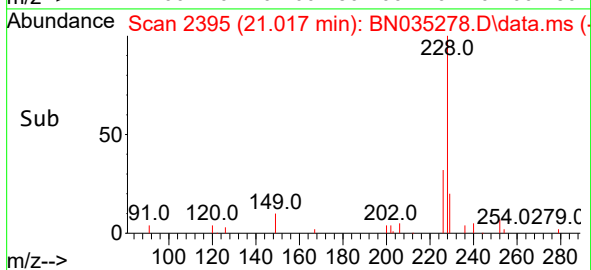
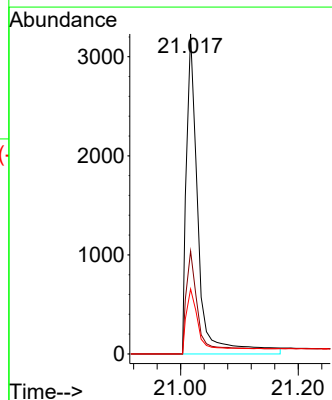
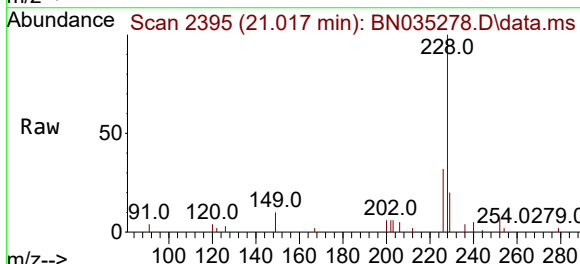
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

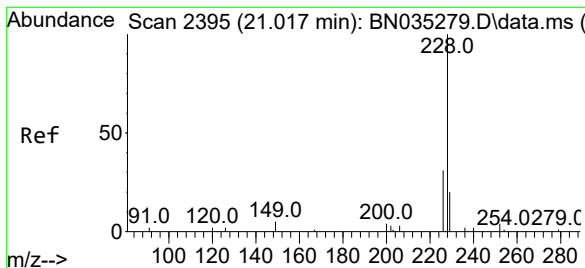
Tgt Ion:244 Resp: 2197
 Ion Ratio Lower Upper
 244 100
 212 12.4 9.4 14.0
 122 14.9 13.0 19.4



#32
 Benzo(a)anthracene
 Concen: 0.161 ng
 RT: 21.017 min Scan# 2395
 Delta R.T. 0.000 min
 Lab File: BN035278.D
 Acq: 25 Nov 2024 10:52

Tgt Ion:228 Resp: 4459
 Ion Ratio Lower Upper
 228 100
 226 32.1 24.7 37.1
 229 20.3 16.2 24.2





#33

Chrysene

Concen: 0.161 ng

RT: 21.017 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

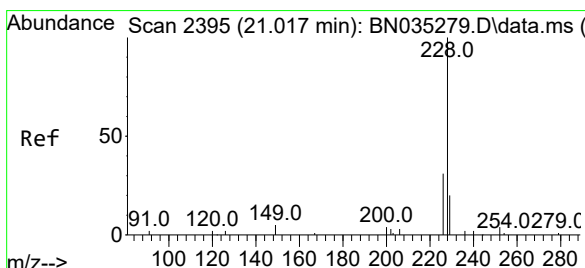
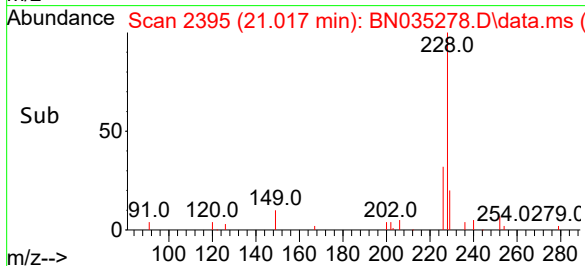
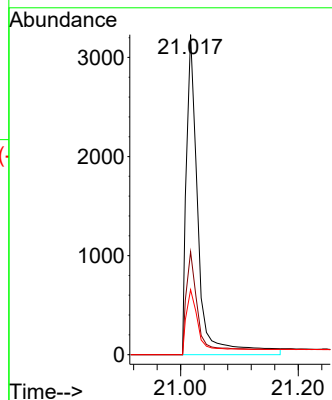
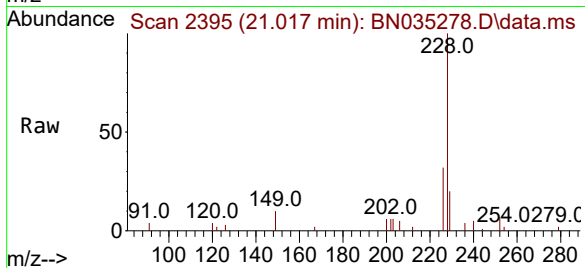
Tgt Ion:228 Resp: 4459

Ion Ratio Lower Upper

228 100

226 32.1 24.7 37.1

229 20.3 16.2 24.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.104 ng

RT: 21.017 min Scan# 2395

Delta R.T. 0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

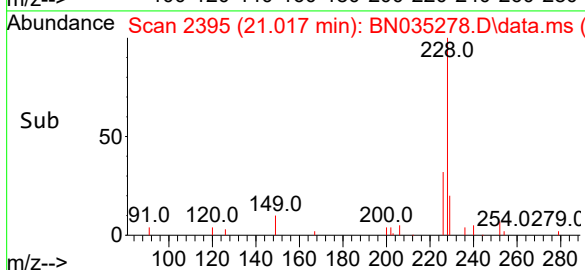
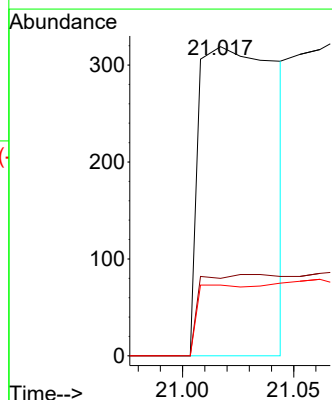
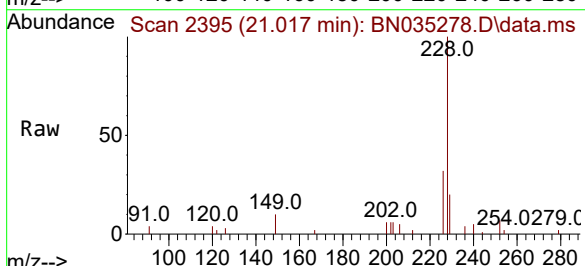
Tgt Ion:149 Resp: 696

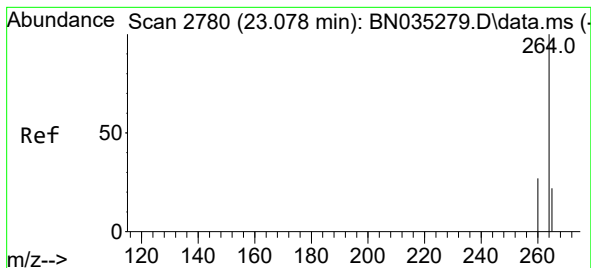
Ion Ratio Lower Upper

149 100

167 26.7 0.0 0.0#

279 12.8 13.0 19.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.084 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

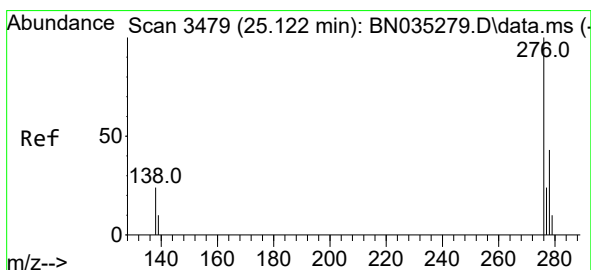
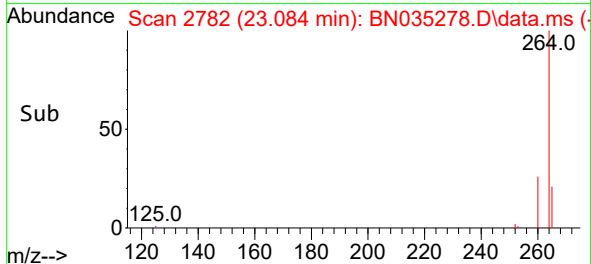
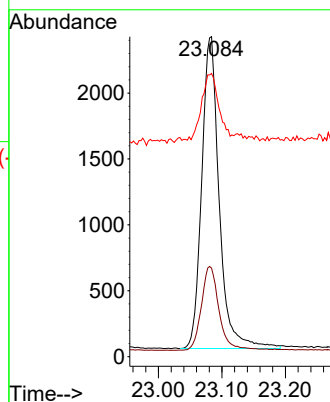
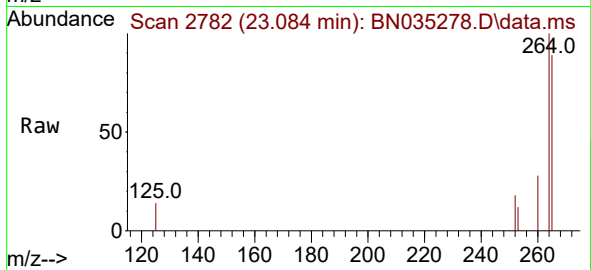
Tgt Ion:264 Resp: 4527

Ion Ratio Lower Upper

264 100

260 27.6 22.3 33.5

265 88.5 68.6 103.0



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.172 ng

RT: 25.121 min Scan# 3479

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

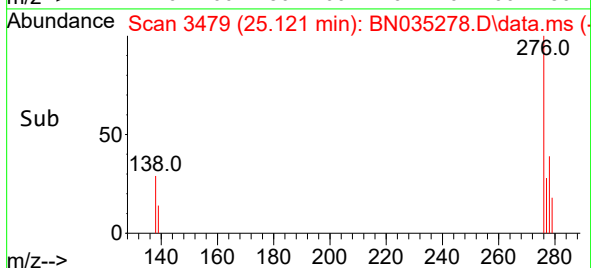
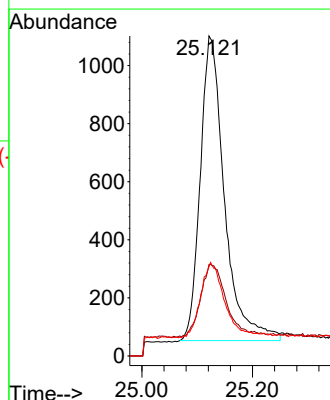
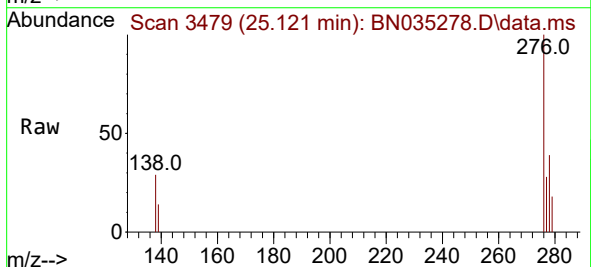
Tgt Ion:276 Resp: 3191

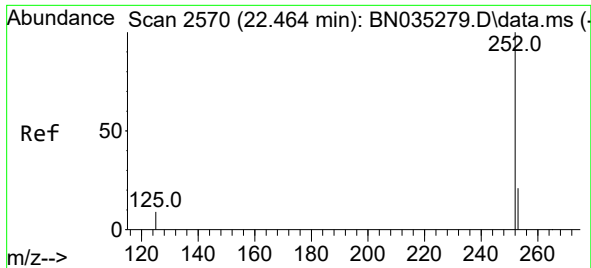
Ion Ratio Lower Upper

276 100

138 23.2 18.8 28.2

277 23.0 18.2 27.4

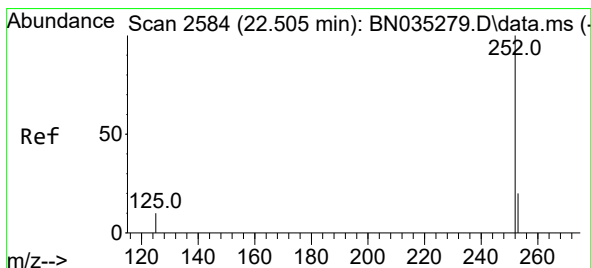
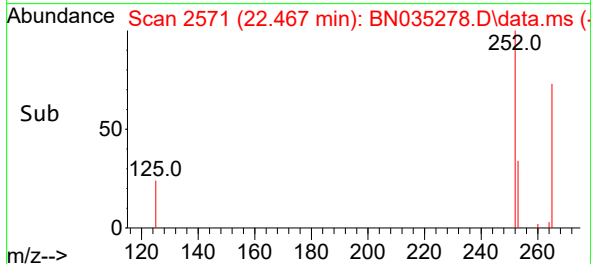
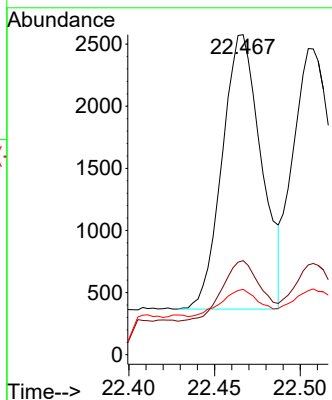
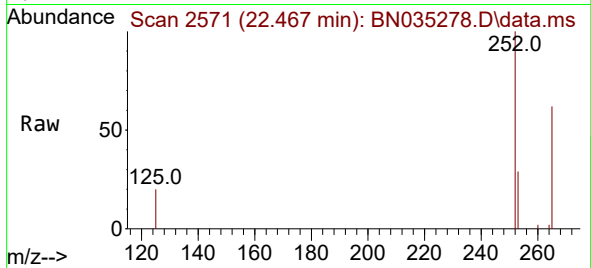




#37
Benzo(b)fluoranthene
Concen: 0.179 ng
RT: 22.467 min Scan# 2571
Delta R.T. 0.003 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

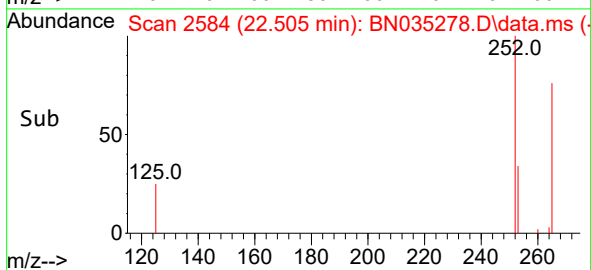
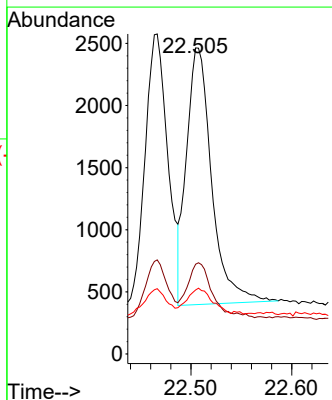
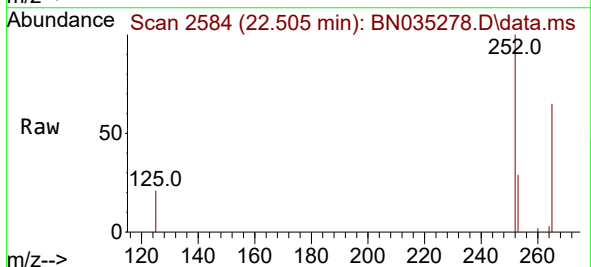
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

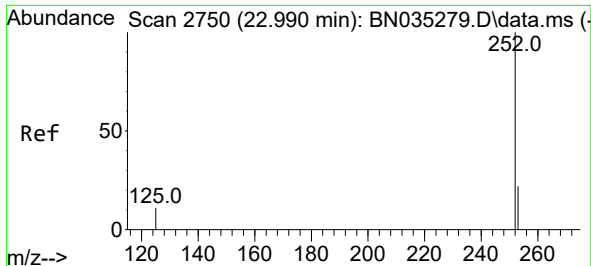
Tgt Ion:252 Resp: 3513
Ion Ratio Lower Upper
252 100
253 29.4 20.2 30.2
125 20.4 12.0 18.0#



#38
Benzo(k)fluoranthene
Concen: 0.172 ng
RT: 22.505 min Scan# 2584
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:252 Resp: 3588
Ion Ratio Lower Upper
252 100
253 29.3 20.1 30.1
125 20.9 12.7 19.1#





#39

Benzo(a)pyrene

Concen: 0.178 ng

RT: 22.990 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

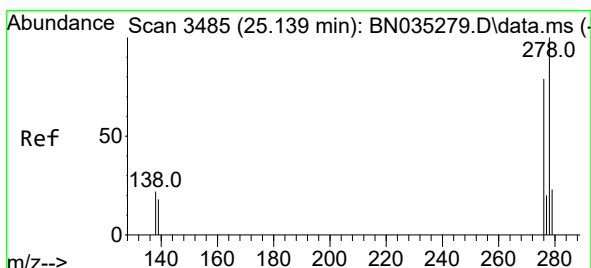
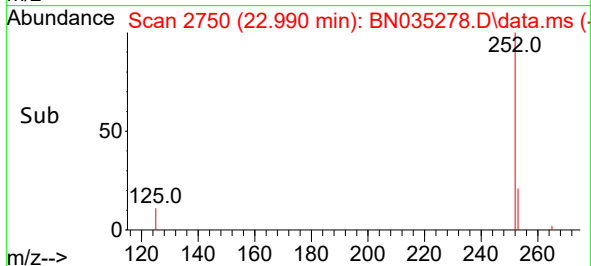
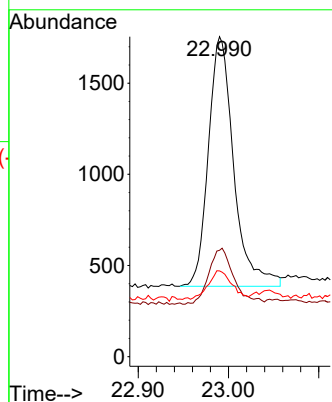
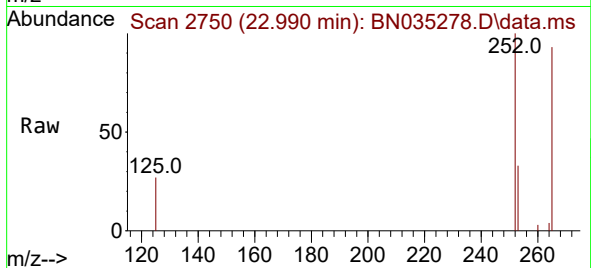
Tgt Ion:252 Resp: 2673

Ion Ratio Lower Upper

252 100

253 33.2 22.3 33.5

125 26.8 15.3 22.9#



#40

Dibenzo(a,h)anthracene

Concen: 0.166 ng

RT: 25.142 min Scan# 3486

Delta R.T. 0.003 min

Lab File: BN035278.D

Acq: 25 Nov 2024 10:52

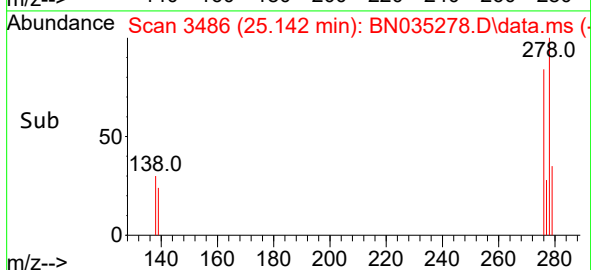
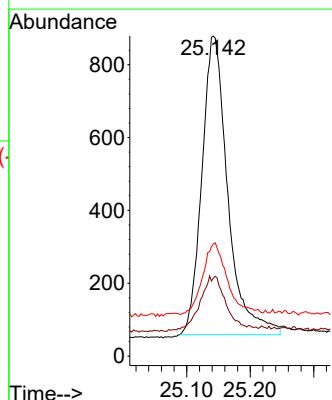
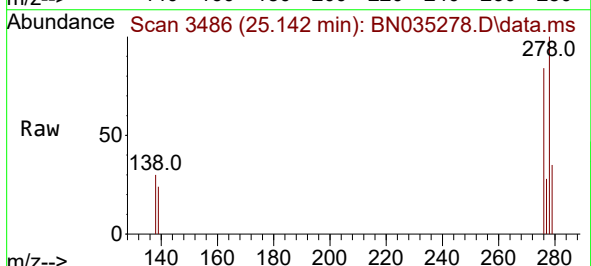
Tgt Ion:278 Resp: 2328

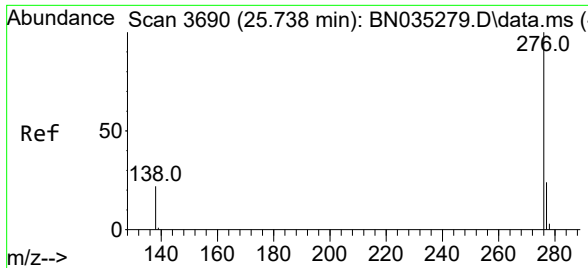
Ion Ratio Lower Upper

278 100

139 24.3 17.0 25.6

279 35.0 23.0 34.4#

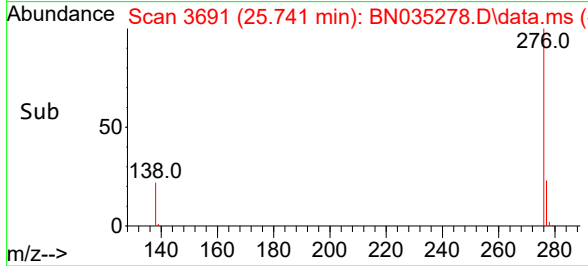
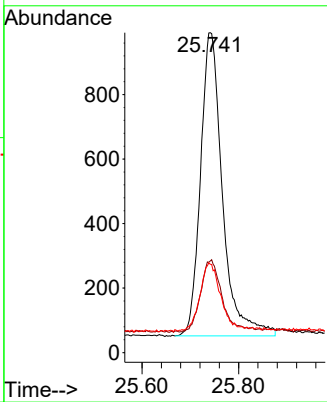
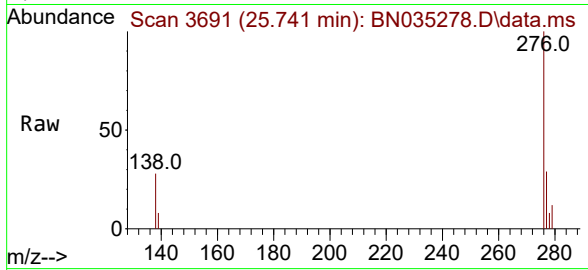




#41
 Benzo(g,h,i)perylene
 Concen: 0.183 ng
 RT: 25.741 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: BN035278.D
 Acq: 25 Nov 2024 10:52

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Tgt Ion:	276	Resp:	2967
Ion	Ratio	Lower	Upper
276	100		
277	28.6	21.1	31.7
138	27.6	19.8	29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035284.D
 Acq On : 25 Nov 2024 14:29
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112524

Quant Time: Nov 25 22:35:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 25 14:32:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

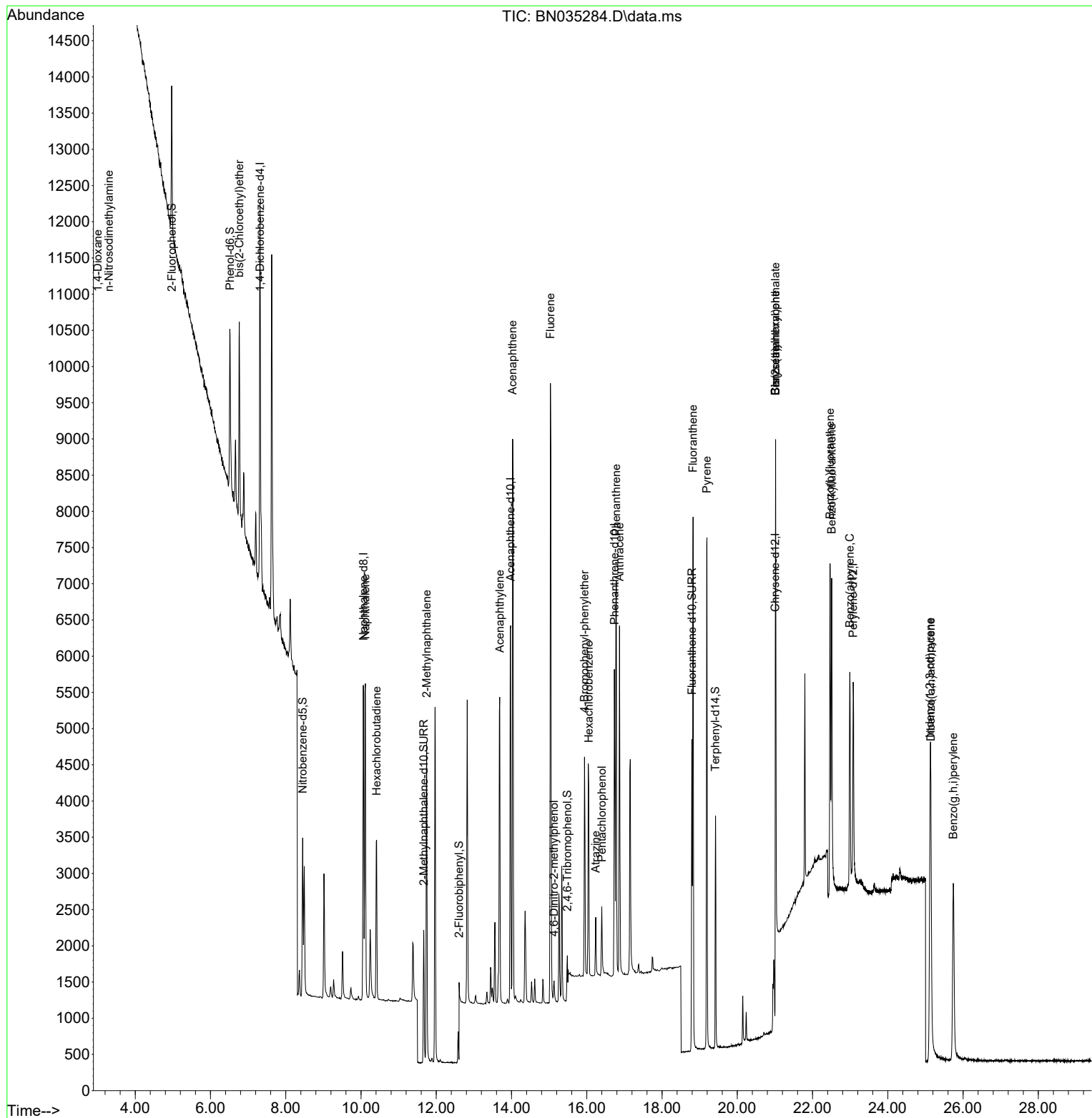
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	2519	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	5593	0.400	ng	0.00
13) Acenaphthene-d10	13.976	164	2659	0.400	ng	# 0.00
19) Phenanthrene-d10	16.734	188	5748	0.400	ng	0.00
29) Chrysene-d12	21.008	240	611	0.400	ng	0.00
35) Perylene-d12	23.081	264	3470	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1712	0.360	ng	0.00
5) Phenol-d6	6.521	99	2314	0.348	ng	0.00
8) Nitrobenzene-d5	8.450	82	2129	0.469	ng	0.00
11) 2-Methylnaphthalene-d10	11.667	152	2635	0.337	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	546	0.402	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	683	0.465	ng	0.00
27) Fluoranthene-d10	18.792	212	4874	0.317	ng	0.00
31) Terphenyl-d14	19.419	244	3187	0.282	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	689	0.381	ng	# 83
3) n-Nitrosodimethylamine	3.299	42	809	0.431	ng	# 76
6) bis(2-Chloroethyl)ether	6.766	93	2132	0.381	ng	99
9) Naphthalene	10.116	128	5975	0.385	ng	99
10) Hexachlorobutadiene	10.415	225	1929	0.442	ng	# 100
12) 2-Methylnaphthalene	11.742	142	3297	0.325	ng	98
16) Acenaphthylene	13.688	152	5175	0.387	ng	99
17) Acenaphthene	14.030	154	3227	0.383	ng	# 90
18) Fluorene	15.035	166	4194	0.355	ng	97
20) 4,6-Dinitro-2-methylph...	15.131	198	239	0.477	ng	98
21) 4-Bromophenyl-phenylether	15.940	248	1328	0.364	ng	92
22) Hexachlorobenzene	16.051	284	2564	0.491	ng	98
23) Atrazine	16.237	200	643	0.419	ng	98
24) Pentachlorophenol	16.399	266	510	0.407	ng	95
25) Phenanthrene	16.784	178	6385	0.362	ng	100
26) Anthracene	16.870	178	4852	0.320	ng	99
28) Fluoranthene	18.825	202	6686	0.300	ng	99
30) Pyrene	19.192	202	6525	0.294	ng	100
32) Benzo(a)anthracene	21.017	228	5799	0.273	ng	100
33) Chrysene	21.017	228	5799	0.273	ng	100
34) Bis(2-ethylhexyl)phtha...	21.017	149	520	0.041	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.121	276	5652	0.398	ng	99
37) Benzo(b)fluoranthene	22.464	252	5358	0.355	ng	97
38) Benzo(k)fluoranthene	22.508	252	5559	0.348	ng	97
39) Benzo(a)pyrene	22.990	252	4167	0.361	ng	97
40) Dibenzo(a,h)anthracene	25.145	278	4182	0.389	ng	98
41) Benzo(g,h,i)perylene	25.738	276	5121	0.412	ng	99

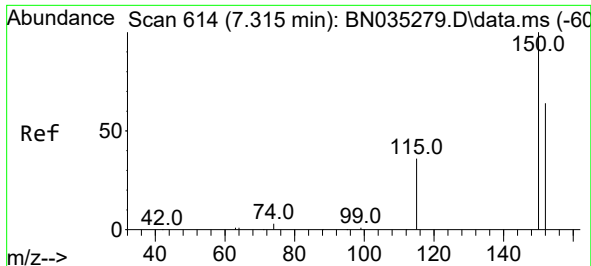
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035284.D
Acq On : 25 Nov 2024 14:29
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

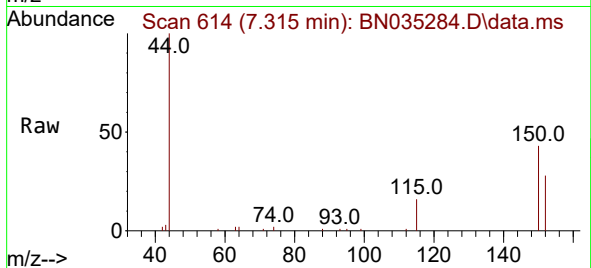
Quant Time: Nov 25 22:35:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration



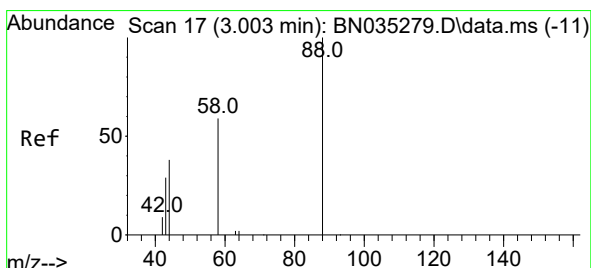
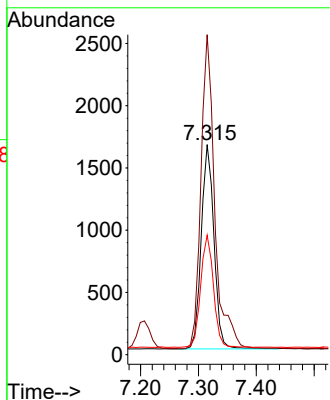
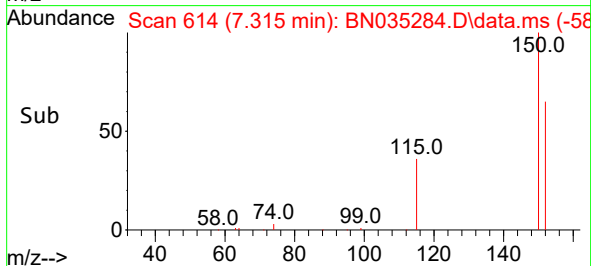


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.315 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN035284.D
 Acq: 25 Nov 2024 14:29

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112524

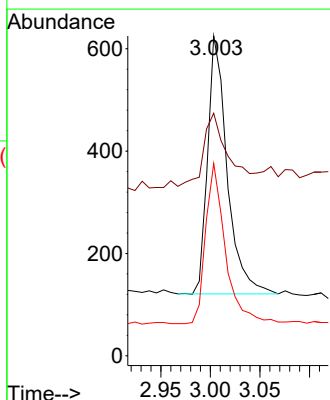
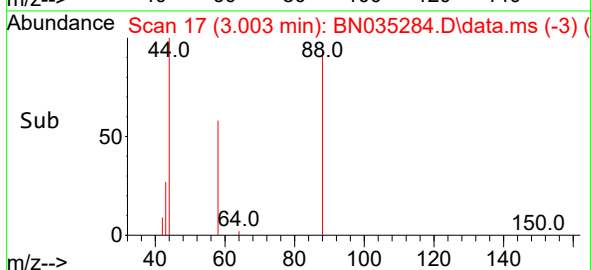
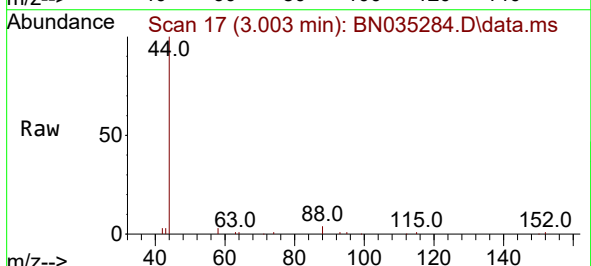


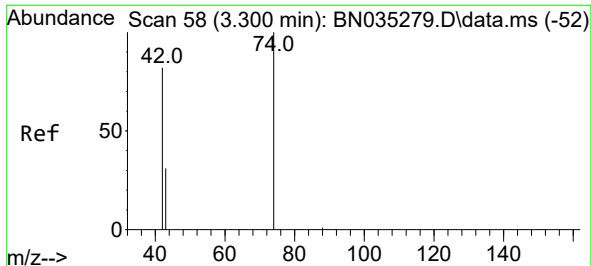
Tgt Ion:152 Resp: 2519
 Ion Ratio Lower Upper
 152 100
 150 152.3 124.5 186.7
 115 56.9 47.8 71.8



#2
 1,4-Dioxane
 Concen: 0.381 ng
 RT: 3.003 min Scan# 17
 Delta R.T. 0.000 min
 Lab File: BN035284.D
 Acq: 25 Nov 2024 14:29

Tgt Ion: 88 Resp: 689
 Ion Ratio Lower Upper
 88 100
 43 38.3 48.1 72.1#
 58 62.8 46.9 70.3

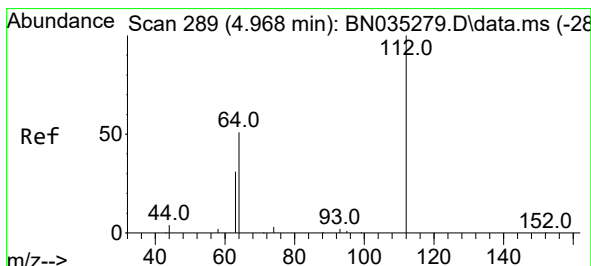
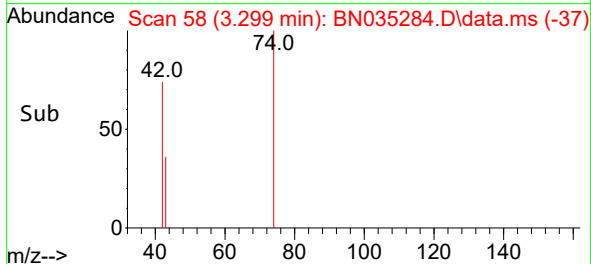
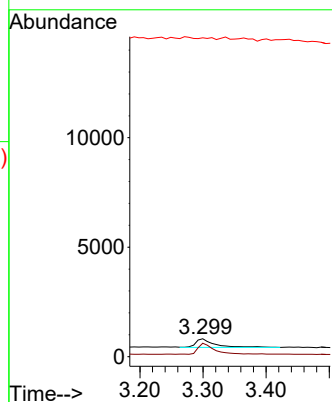
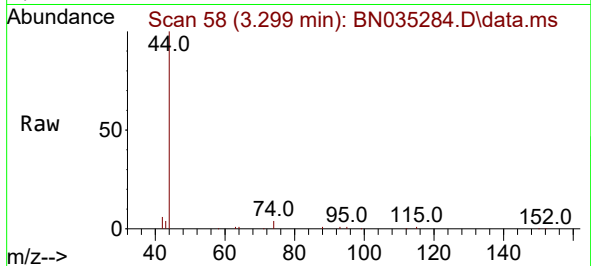




#3
 n-Nitrosodimethylamine
 Concen: 0.431 ng
 RT: 3.299 min Scan# 58
 Delta R.T. -0.001 min
 Lab File: BN035284.D
 Acq: 25 Nov 2024 14:29

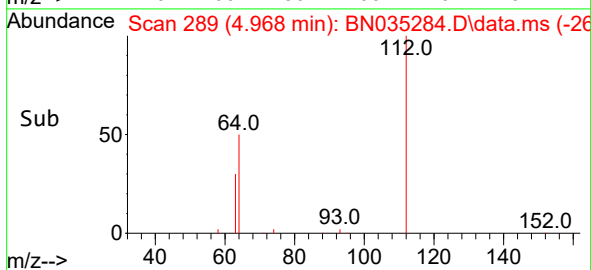
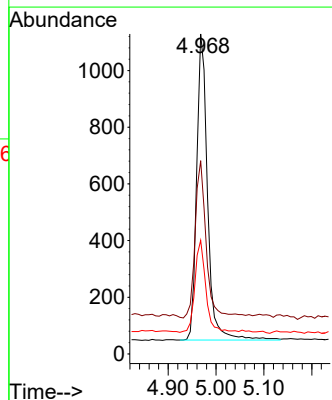
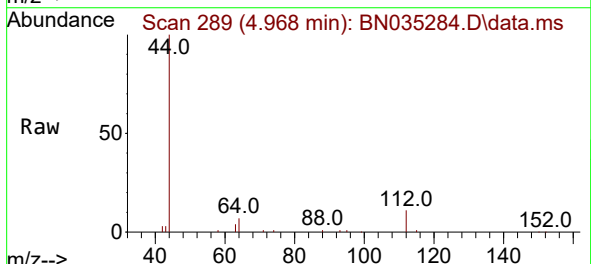
Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112524

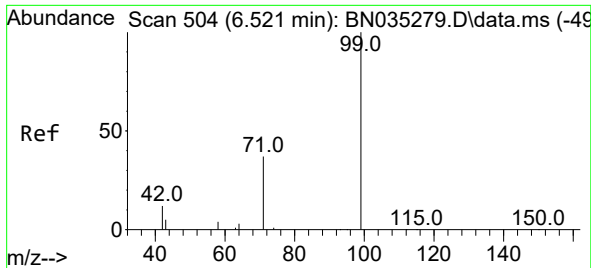
Tgt Ion: 42 Resp: 809
 Ion Ratio Lower Upper
 42 100
 74 116.4 102.7 154.1
 44 0.0 34.1 51.1#



#4
 2-Fluorophenol
 Concen: 0.360 ng
 RT: 4.968 min Scan# 289
 Delta R.T. -0.000 min
 Lab File: BN035284.D
 Acq: 25 Nov 2024 14:29

Tgt Ion: 112 Resp: 1712
 Ion Ratio Lower Upper
 112 100
 64 53.3 40.4 60.6
 63 29.8 23.8 35.8

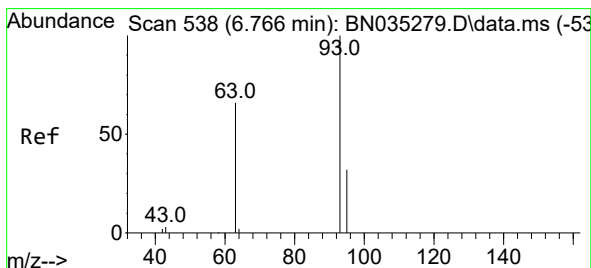
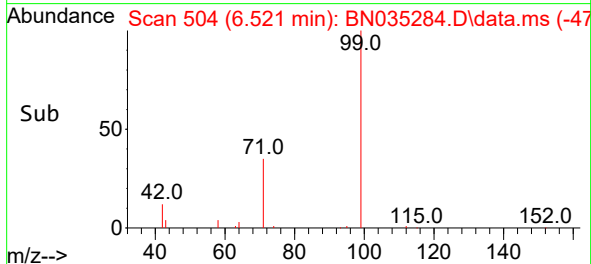
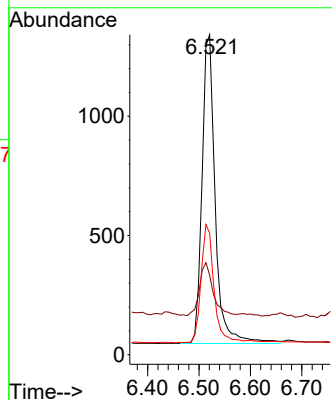
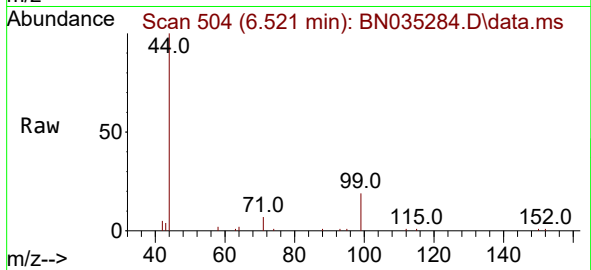




#5
Phenol-d6
Concen: 0.348 ng
RT: 6.521 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

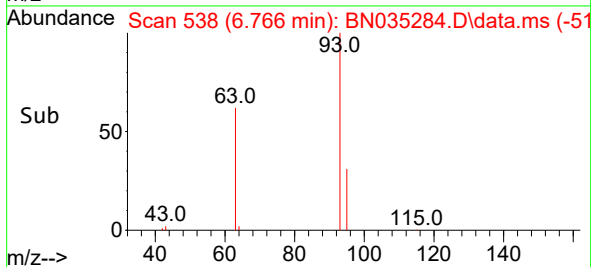
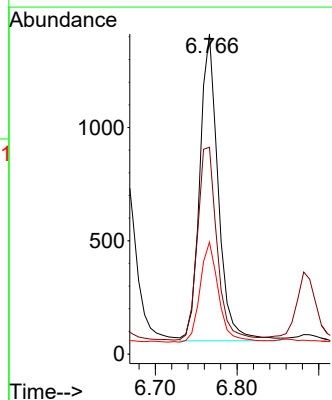
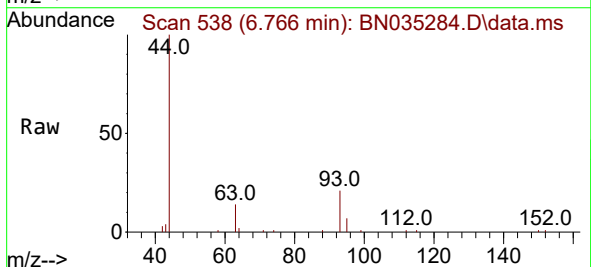
Instrument :
BNA_N
ClientSampleId :
ICVBN112524

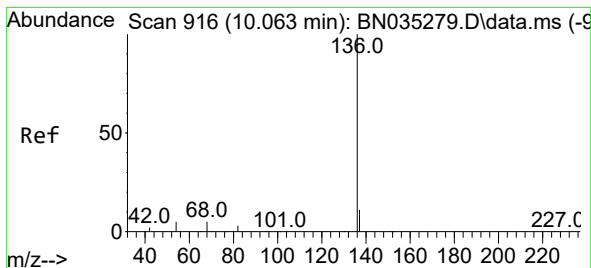
Tgt Ion: 99 Resp: 2314
Ion Ratio Lower Upper
99 100
42 17.3 12.8 19.2
71 38.1 31.4 47.2



#6
bis(2-Chloroethyl)ether
Concen: 0.381 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion: 93 Resp: 2132
Ion Ratio Lower Upper
93 100
63 66.4 52.3 78.5
95 32.6 25.5 38.3





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.063 min Scan# 916

Delta R.T. -0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

Instrument :

BNA_N

ClientSampleId :

ICVBN112524

Tgt Ion:136 Resp: 5593

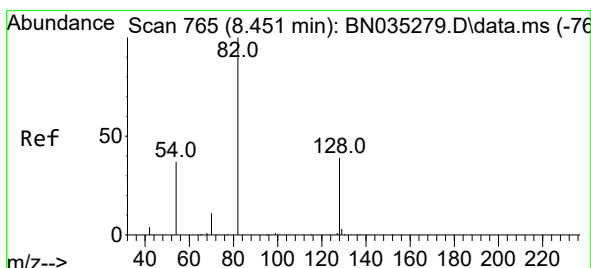
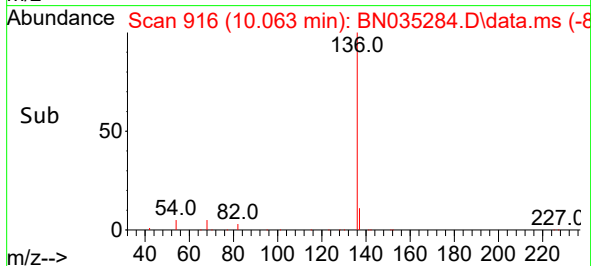
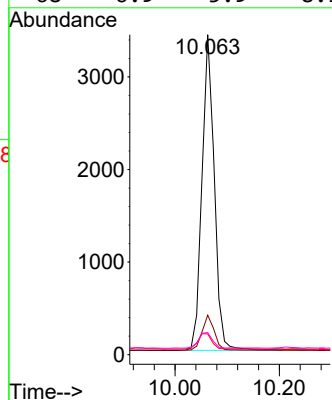
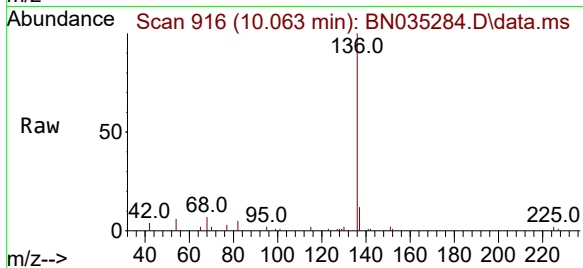
Ion Ratio Lower Upper

136 100

137 12.3 9.7 14.5

54 6.5 5.3 7.9

68 6.9 5.9 8.9



#8

Nitrobenzene-d5

Concen: 0.469 ng

RT: 8.450 min Scan# 765

Delta R.T. -0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

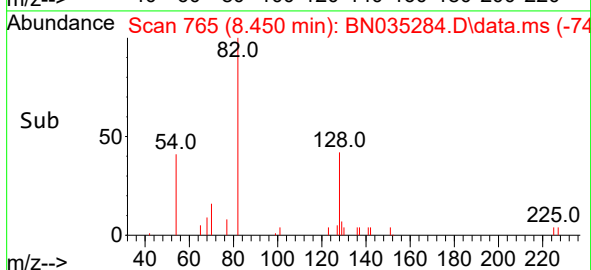
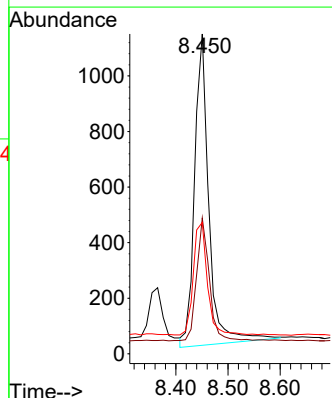
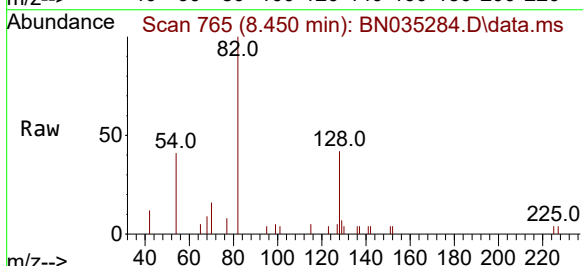
Tgt Ion: 82 Resp: 2129

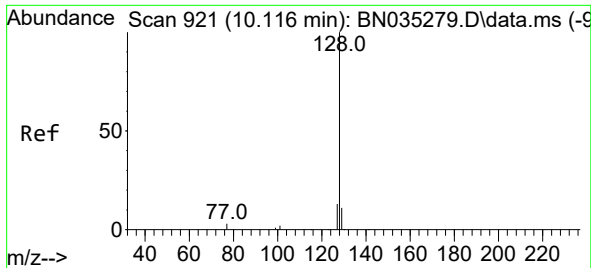
Ion Ratio Lower Upper

82 100

128 42.5 33.0 49.4

54 41.1 33.3 49.9

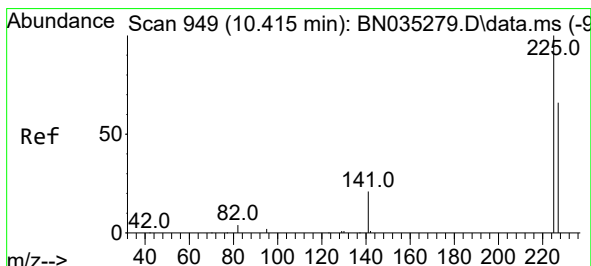
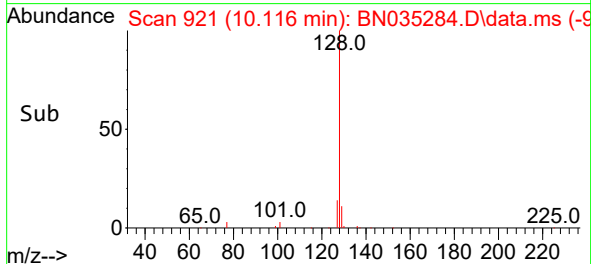
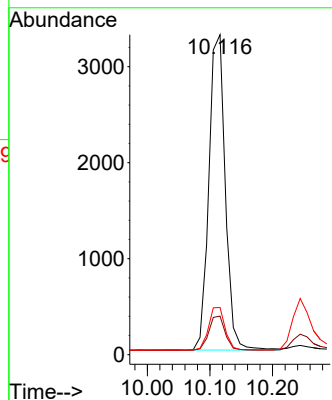
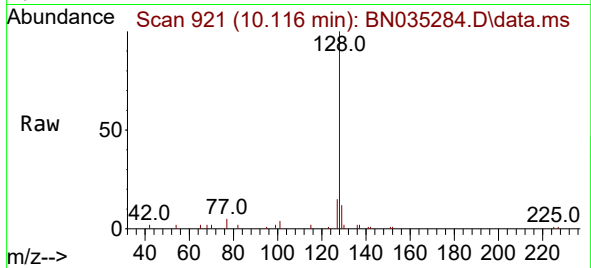




#9
Naphthalene
Concen: 0.385 ng
RT: 10.116 min Scan# 911
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

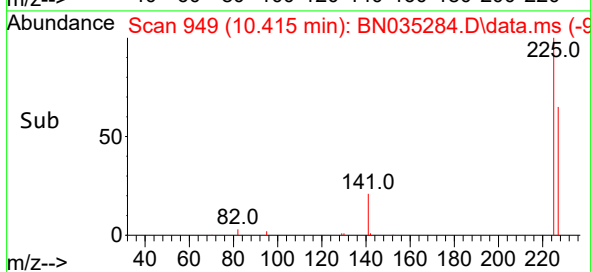
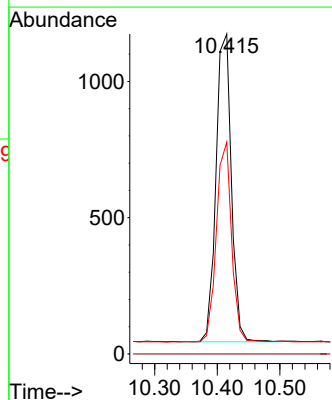
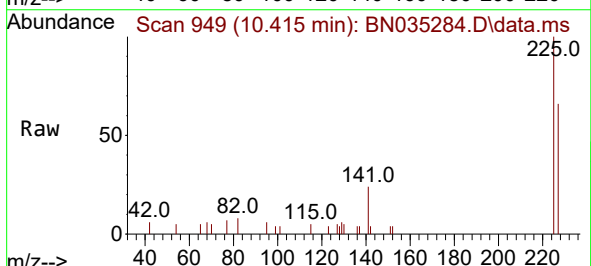
Instrument :
BNA_N
ClientSampleId :
ICVBN112524

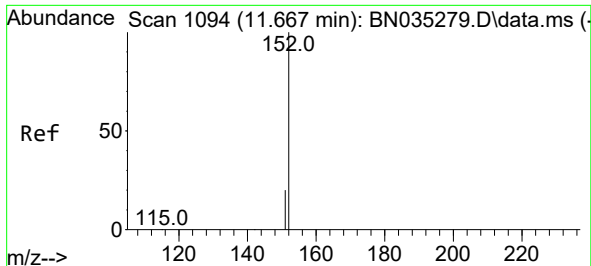
Tgt Ion:128 Resp: 5975
Ion Ratio Lower Upper
128 100
129 12.0 9.6 14.4
127 14.8 11.3 16.9



#10
Hexachlorobutadiene
Concen: 0.442 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:225 Resp: 1929
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.7 51.3 76.9

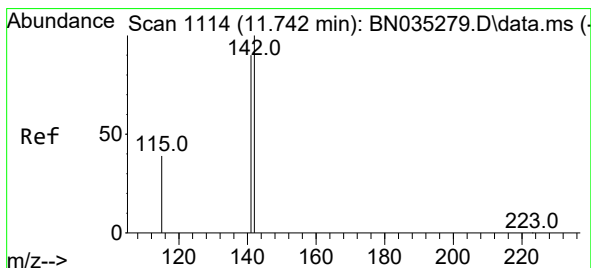
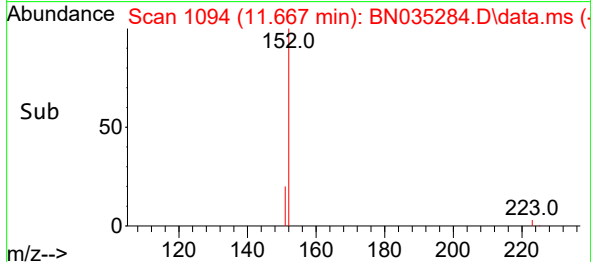
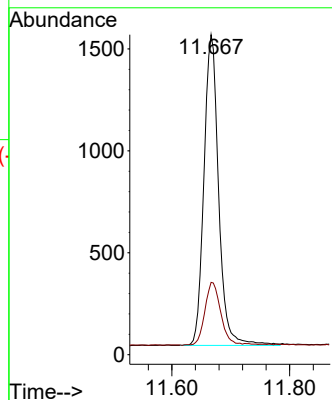
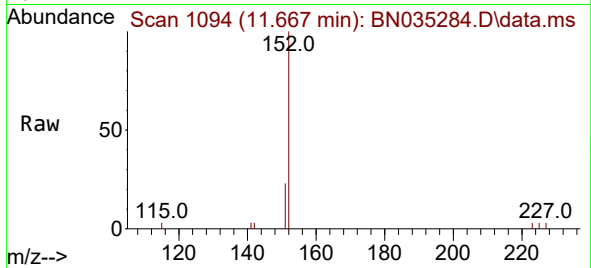




#11
2-Methylnaphthalene-d10
Concen: 0.337 ng
RT: 11.667 min Scan# 1109
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

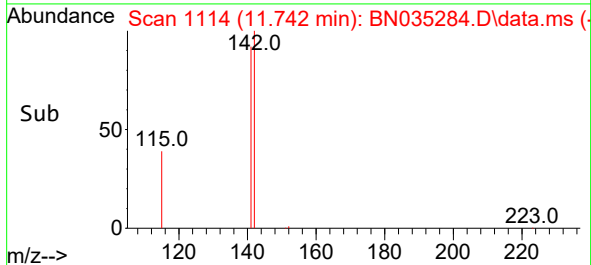
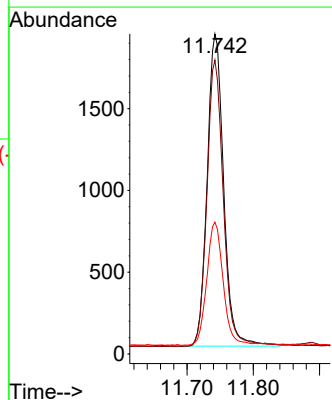
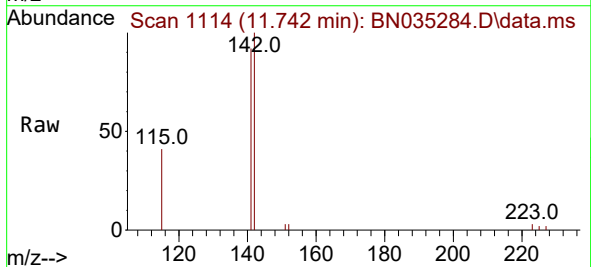
Instrument :
BNA_N
ClientSampleId :
ICVBN112524

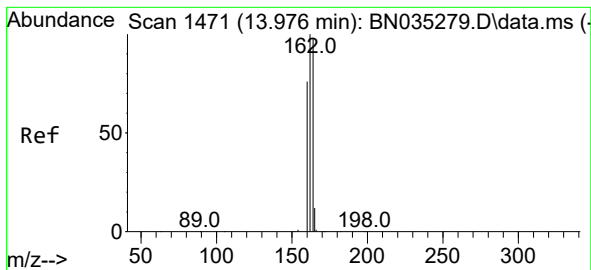
Tgt Ion:152 Resp: 2635
Ion Ratio Lower Upper
152 100
151 21.9 17.2 25.8



#12
2-Methylnaphthalene
Concen: 0.325 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:142 Resp: 3297
Ion Ratio Lower Upper
142 100
141 91.9 71.8 107.8
115 41.2 32.6 49.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.976 min Scan# 1471

Delta R.T. -0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

Instrument :

BNA_N

ClientSampleId :

ICVBN112524

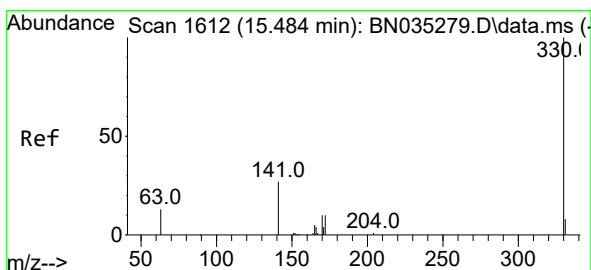
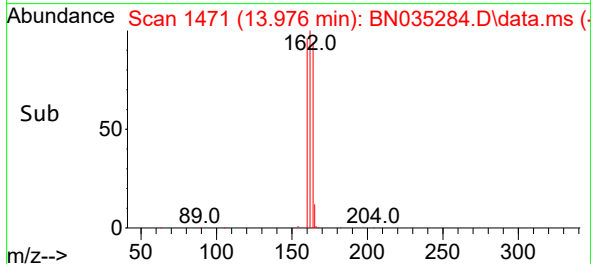
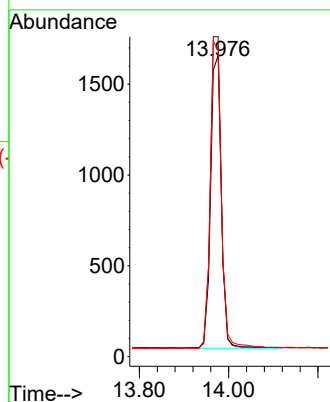
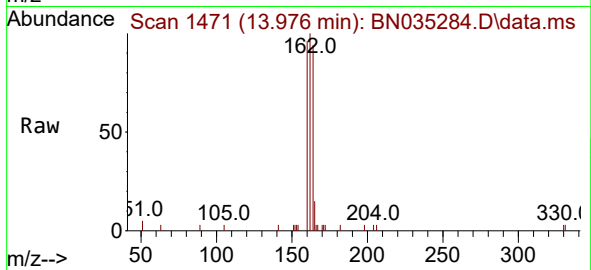
Tgt Ion:164 Resp: 2659

Ion Ratio Lower Upper

164 100

162 106.3 82.0 123.0

160 101.9 63.0 94.4#



#14

2,4,6-Tribromophenol

Concen: 0.402 ng

RT: 15.484 min Scan# 1612

Delta R.T. -0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

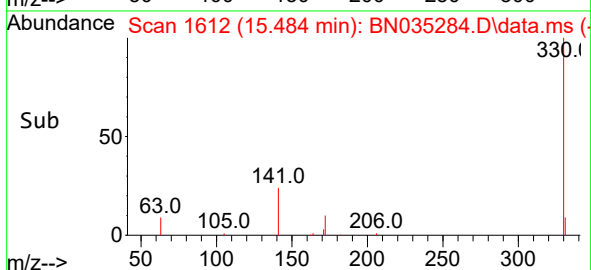
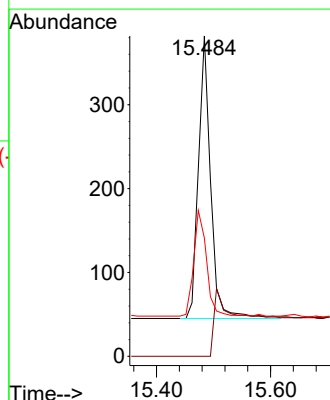
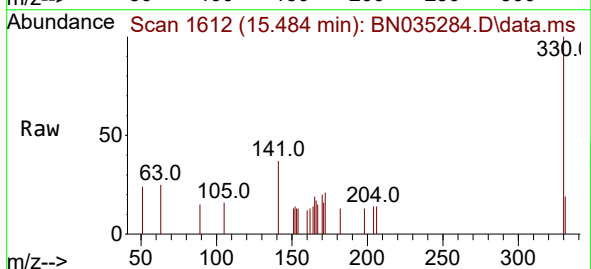
Tgt Ion:330 Resp: 546

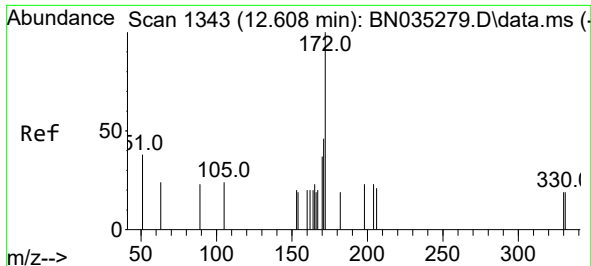
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 37.7 32.4 48.6

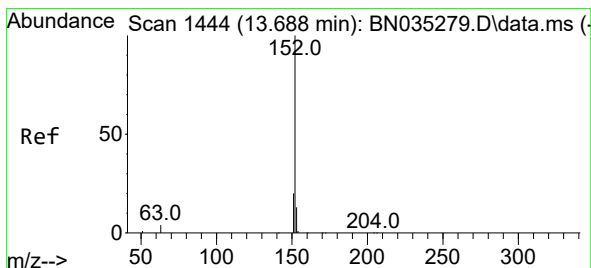
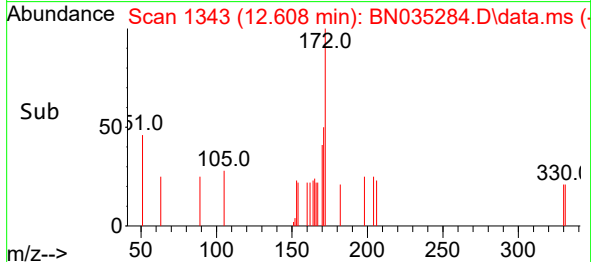
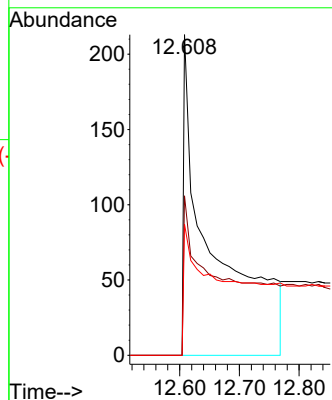
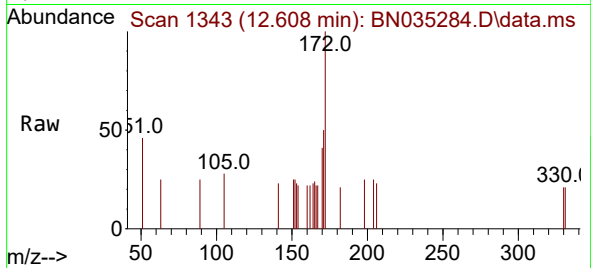




#15
2-Fluorobiphenyl
Concen: 0.465 ng
RT: 12.608 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

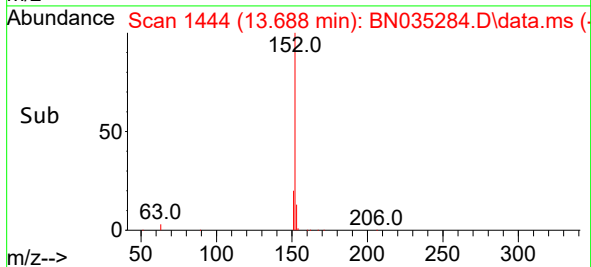
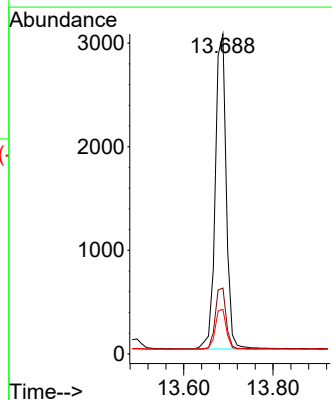
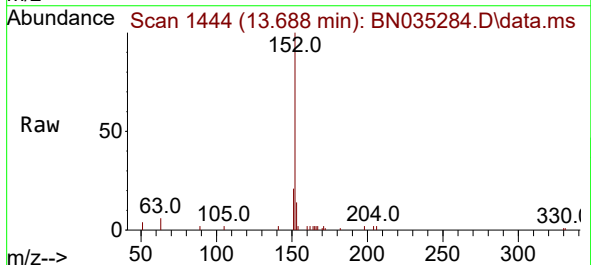
Instrument :
BNA_N
ClientSampleId :
ICVBN112524

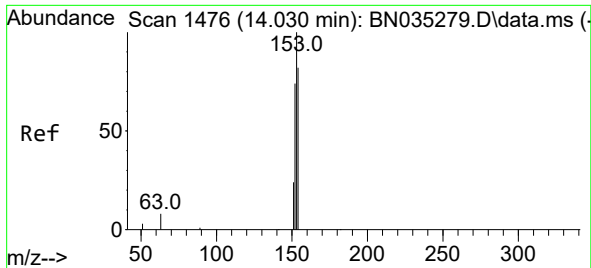
Tgt Ion:172 Resp: 683
Ion Ratio Lower Upper
172 100
171 49.8 36.6 55.0
170 40.8 29.7 44.5



#16
Acenaphthylene
Concen: 0.387 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:152 Resp: 5175
Ion Ratio Lower Upper
152 100
151 19.1 15.9 23.9
153 12.9 10.2 15.4

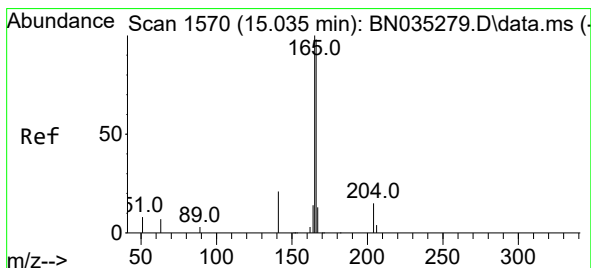
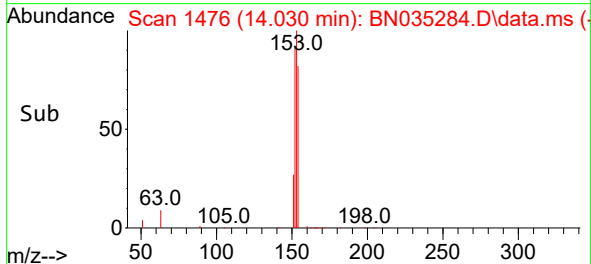
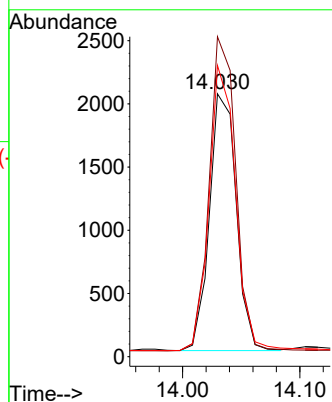
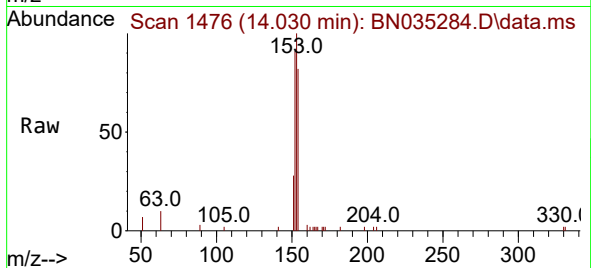




#17
Acenaphthene
Concen: 0.383 ng
RT: 14.030 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

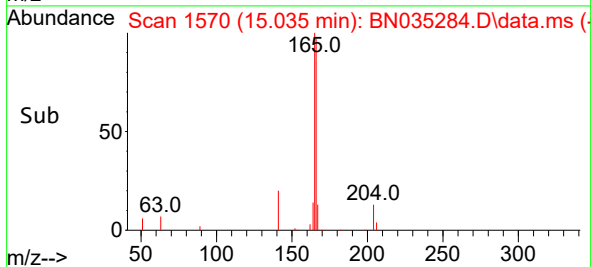
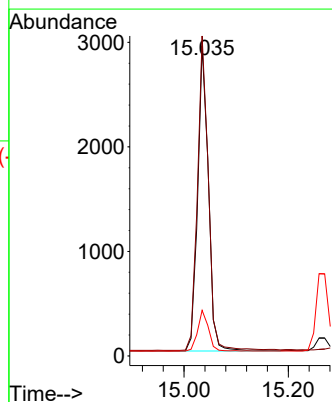
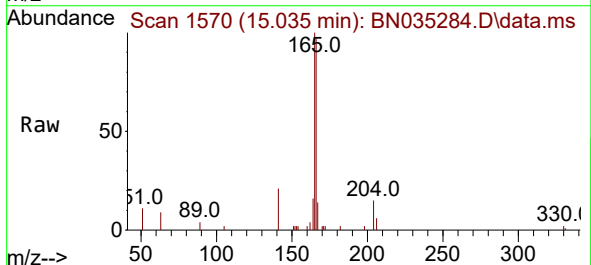
Instrument :
BNA_N
ClientSampleId :
ICVBN112524

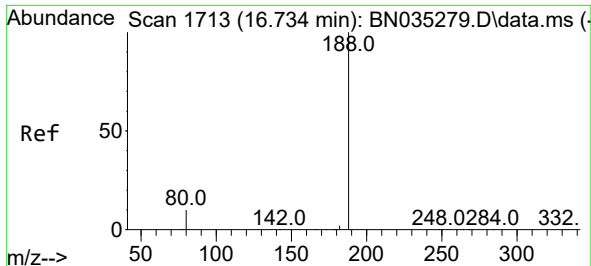
Tgt Ion:154 Resp: 3227
Ion Ratio Lower Upper
154 100
153 121.8 96.1 144.1
152 111.1 72.2 108.2#



#18
Fluorene
Concen: 0.355 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:166 Resp: 4194
Ion Ratio Lower Upper
166 100
165 104.2 81.2 121.8
167 13.7 10.5 15.7

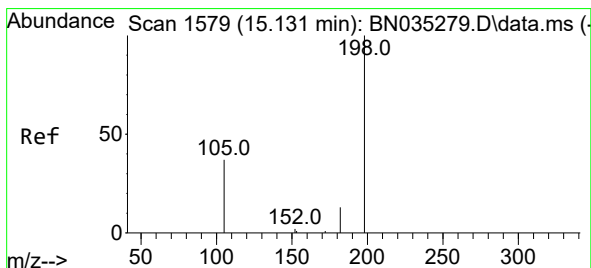
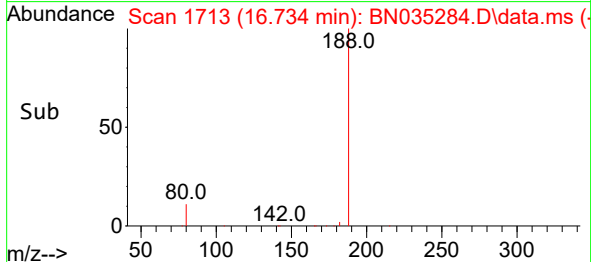
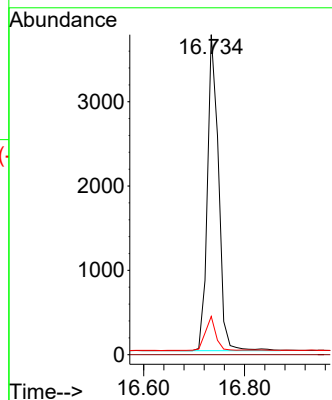
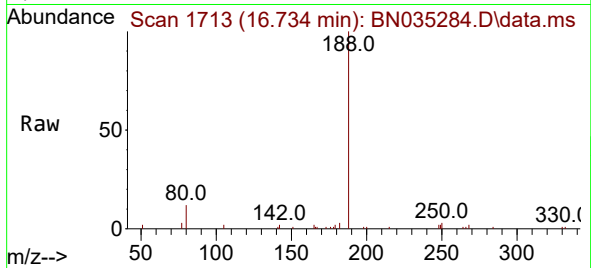




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

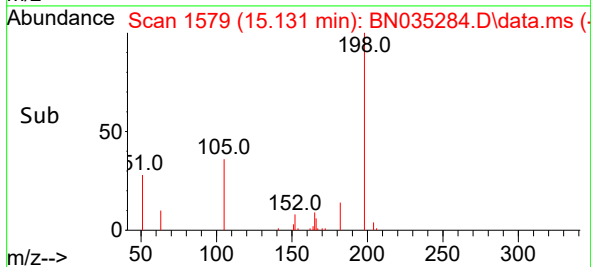
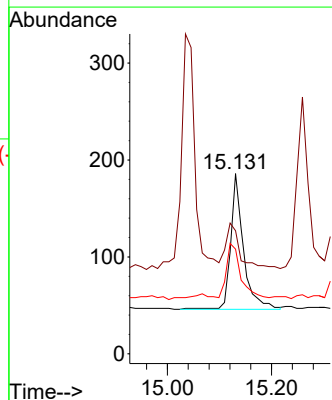
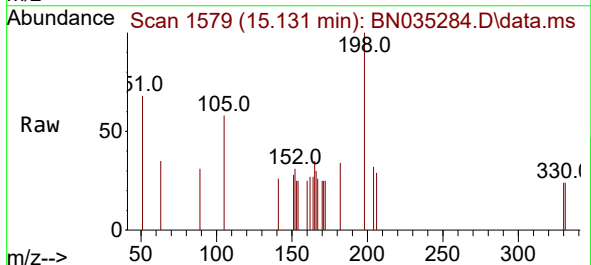
Instrument :
BNA_N
ClientSampleId :
ICVBN112524

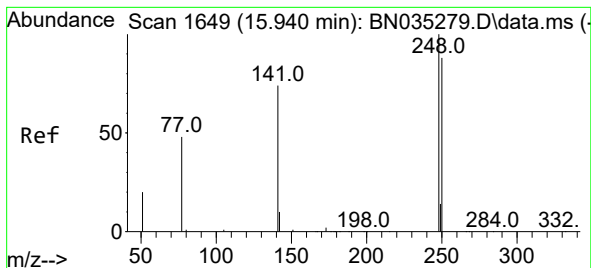
Tgt Ion:188 Resp: 5748
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.9 8.9 13.3



#20
4,6-Dinitro-2-methylphenol
Concen: 0.477 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:198 Resp: 239
Ion Ratio Lower Upper
198 100
51 68.3 53.6 80.4
105 58.1 47.4 71.2

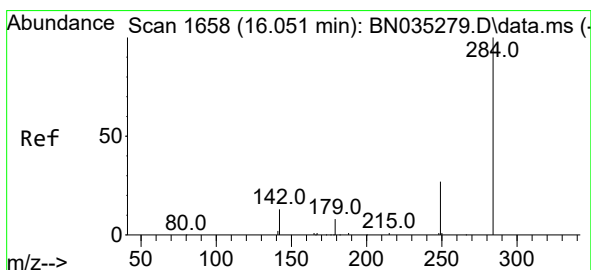
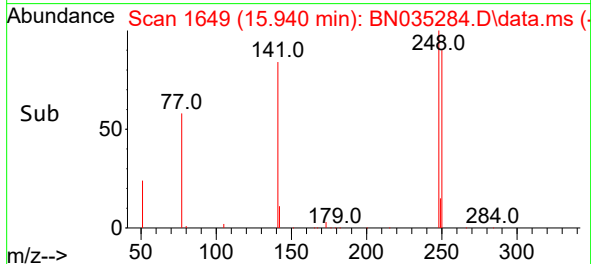
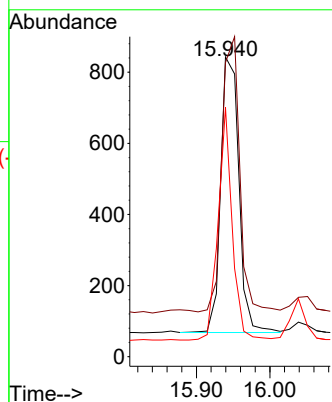
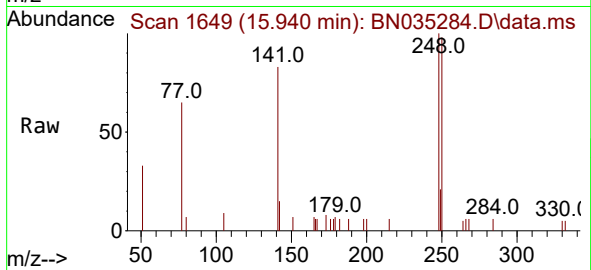




#21
4-Bromophenyl-phenylether
Concen: 0.364 ng
RT: 15.940 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

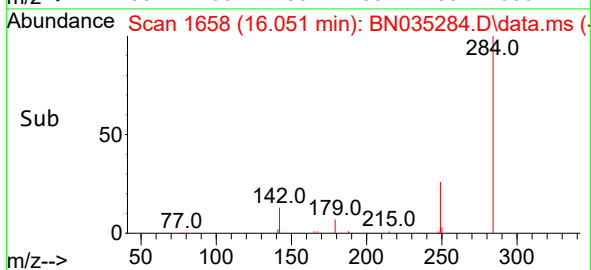
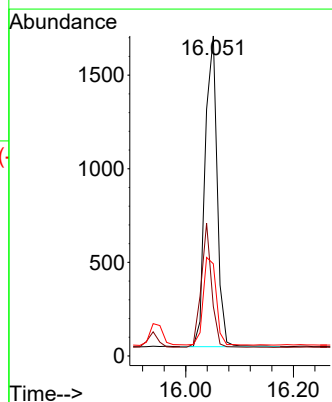
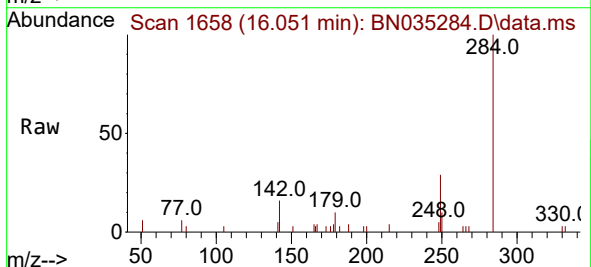
Instrument :
BNA_N
ClientSampleId :
ICVBN112524

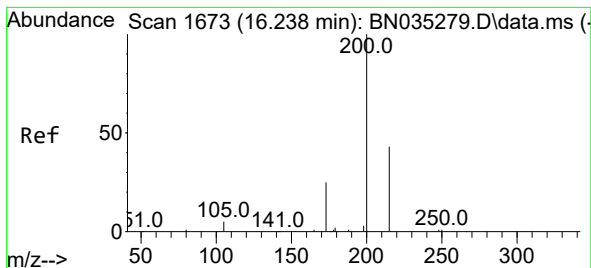
Tgt Ion:248 Resp: 1328
Ion Ratio Lower Upper
248 100
250 98.1 74.8 112.2
141 83.2 59.0 88.4



#22
Hexachlorobenzene
Concen: 0.491 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:284 Resp: 2564
Ion Ratio Lower Upper
284 100
142 35.1 28.7 43.1
249 30.5 25.4 38.0





#23

Atrazine

Concen: 0.419 ng

RT: 16.237 min Scan# 1673

Delta R.T. -0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

Instrument :

BNA_N

ClientSampleId :

ICVBN112524

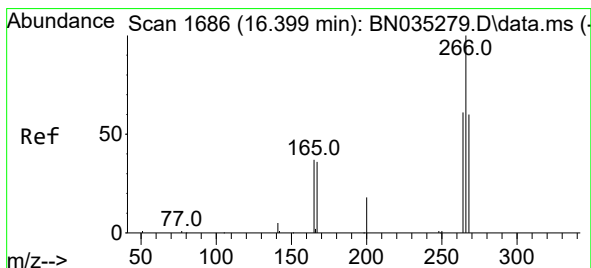
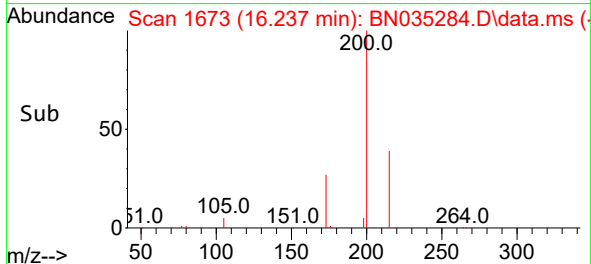
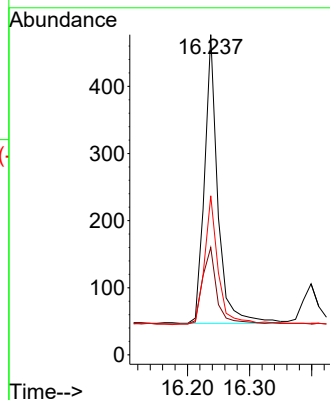
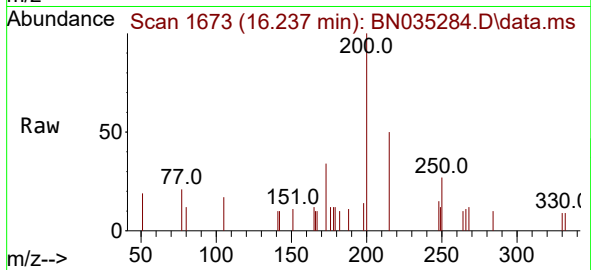
Tgt Ion:200 Resp: 643

Ion Ratio Lower Upper

200 100

173 33.5 25.8 38.8

215 49.7 38.6 58.0



#24

Pentachlorophenol

Concen: 0.407 ng

RT: 16.399 min Scan# 1686

Delta R.T. -0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

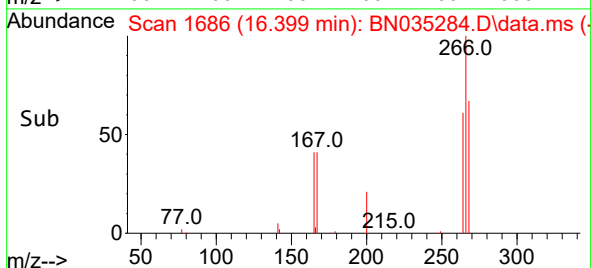
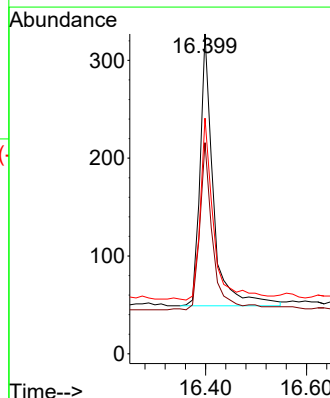
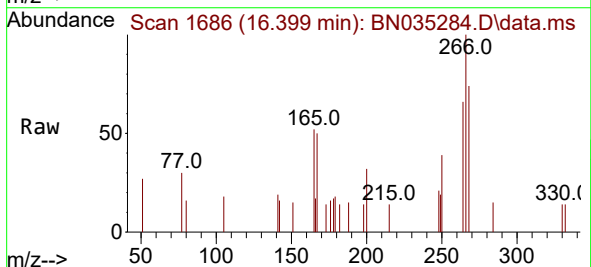
Tgt Ion:266 Resp: 510

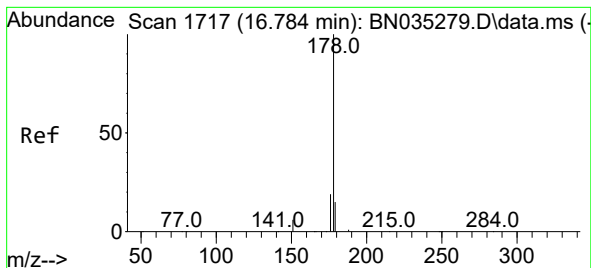
Ion Ratio Lower Upper

266 100

264 59.8 49.3 73.9

268 66.9 48.6 73.0





#25

Phenanthrene

Concen: 0.362 ng

RT: 16.784 min Scan# 1717

Delta R.T. -0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

Instrument :

BNA_N

ClientSampleId :

ICVBN112524

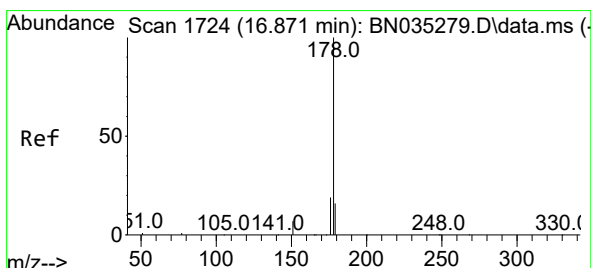
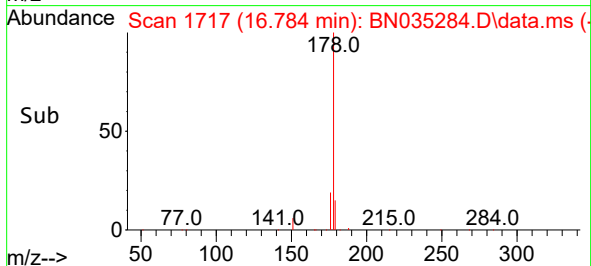
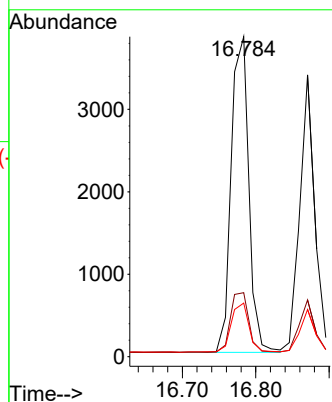
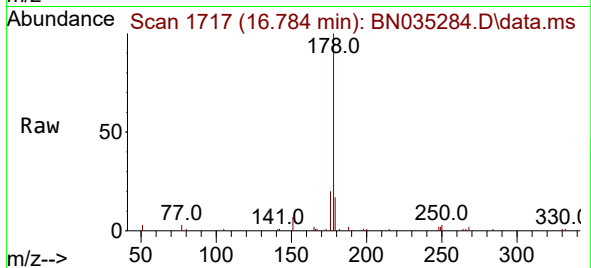
Tgt Ion:178 Resp: 6385

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 15.8 12.6 18.8



#26

Anthracene

Concen: 0.320 ng

RT: 16.870 min Scan# 1724

Delta R.T. -0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

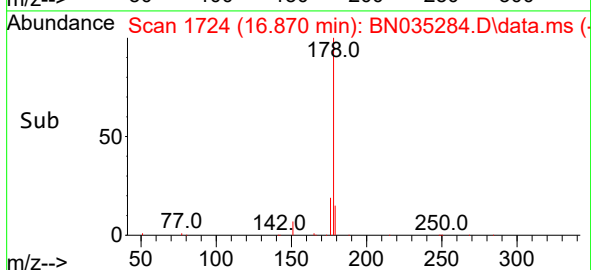
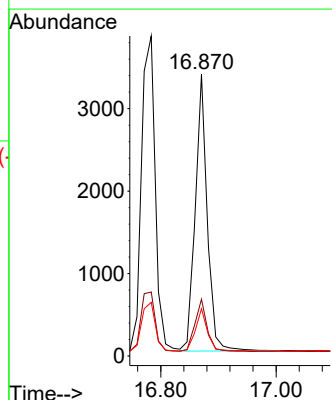
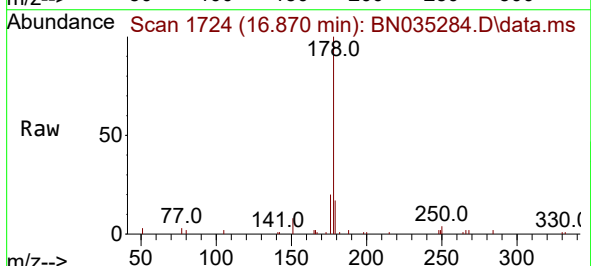
Tgt Ion:178 Resp: 4852

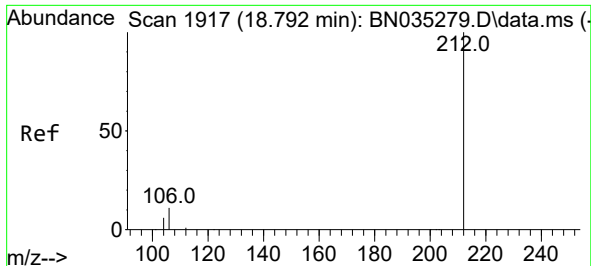
Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.4

179 15.5 12.4 18.6

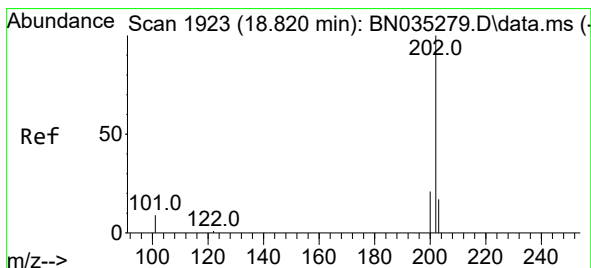
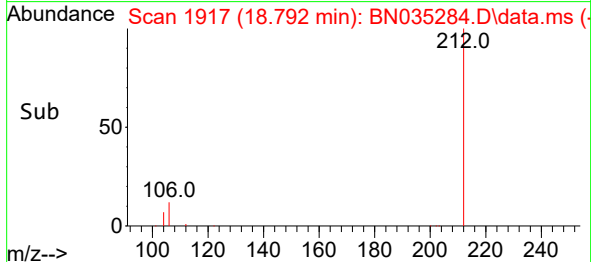
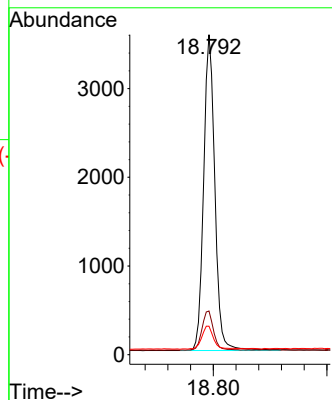
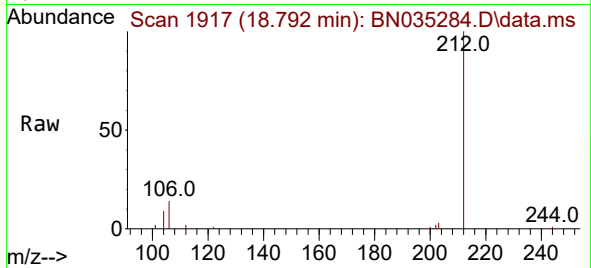




#27
Fluoranthene-d10
Concen: 0.317 ng
RT: 18.792 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

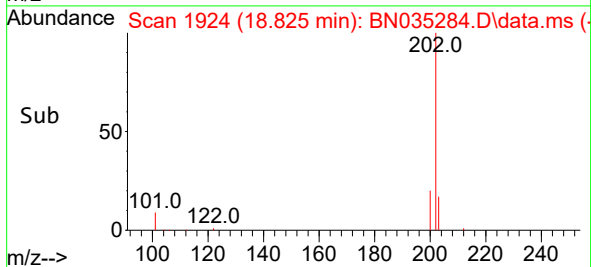
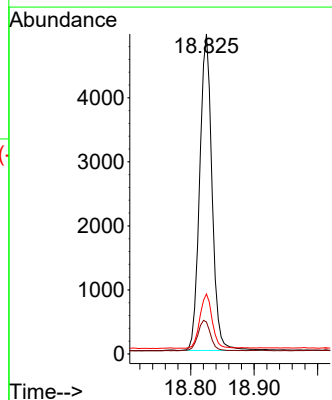
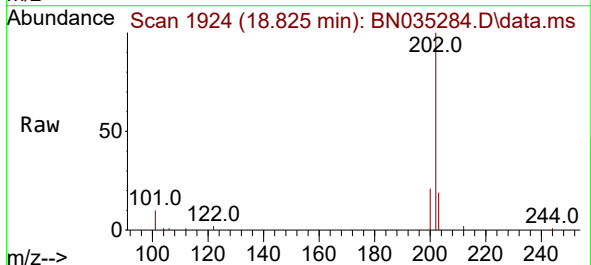
Instrument :
BNA_N
ClientSampleId :
ICVBN112524

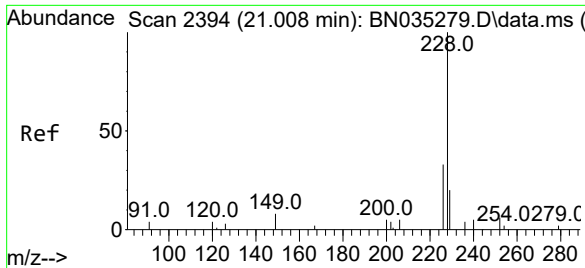
Tgt Ion:212 Resp: 4874
Ion Ratio Lower Upper
212 100
106 12.7 9.8 14.8
104 7.9 5.6 8.4



#28
Fluoranthene
Concen: 0.300 ng
RT: 18.825 min Scan# 1924
Delta R.T. 0.005 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:202 Resp: 6686
Ion Ratio Lower Upper
202 100
101 9.8 7.6 11.4
203 17.1 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

Instrument :

BNA_N

ClientSampleId :

ICVBN112524

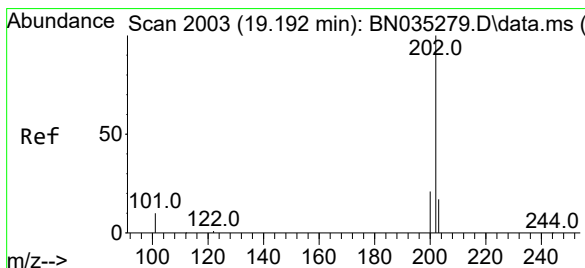
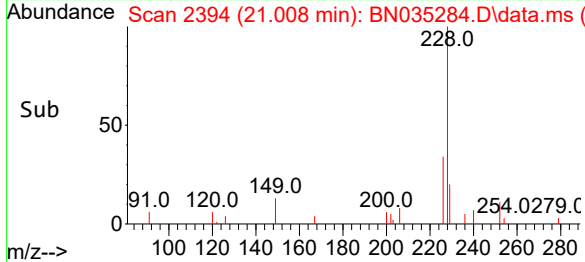
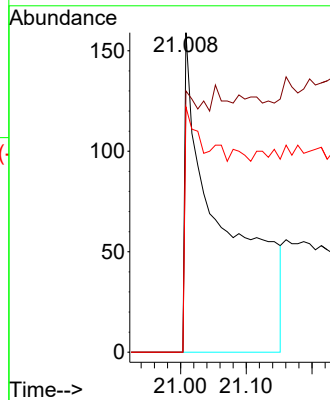
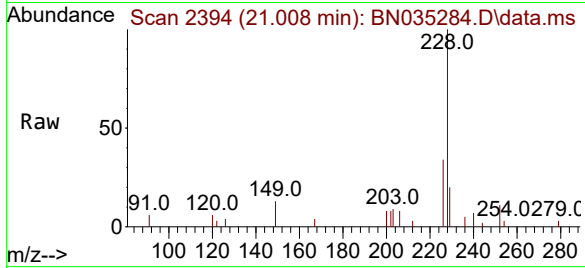
Tgt Ion:240 Resp: 611

Ion Ratio Lower Upper

240 100

120 81.8 54.9 82.3

236 76.7 54.0 81.0



#30

Pyrene

Concen: 0.294 ng

RT: 19.192 min Scan# 2003

Delta R.T. -0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

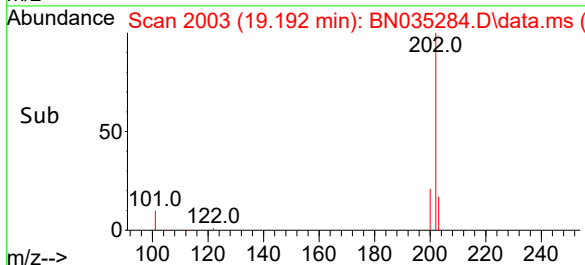
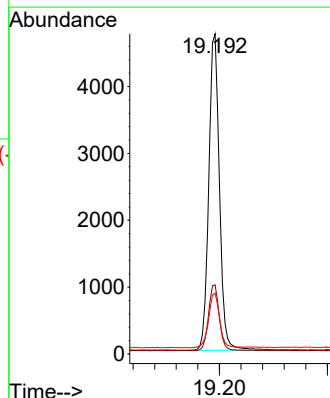
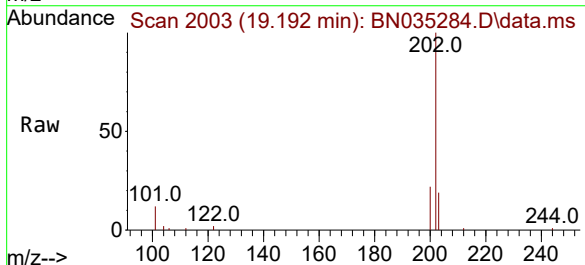
Tgt Ion:202 Resp: 6525

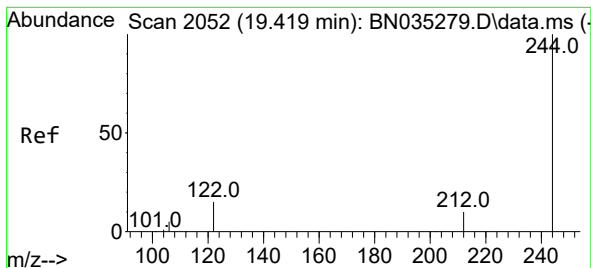
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 17.9 14.4 21.6





#31

Terphenyl-d14

Concen: 0.282 ng

RT: 19.419 min Scan# 2052

Delta R.T. 0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

Instrument :

BNA_N

ClientSampleId :

ICVBN112524

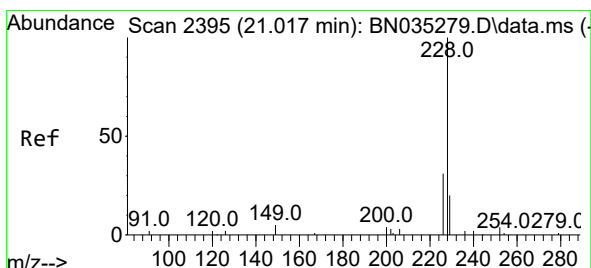
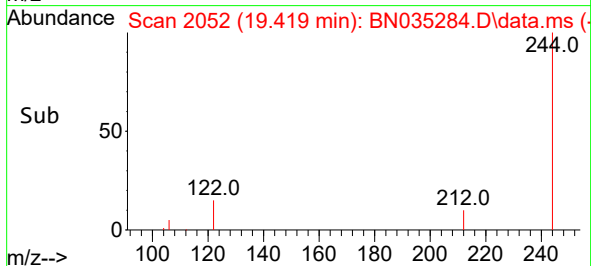
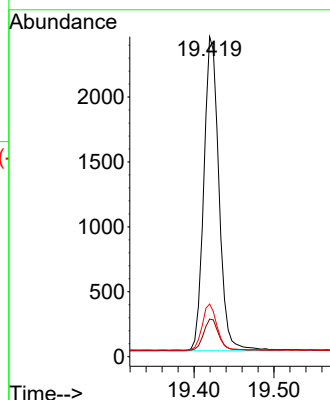
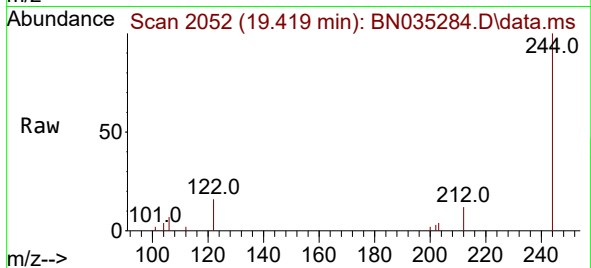
Tgt Ion:244 Resp: 3187

Ion Ratio Lower Upper

244 100

212 11.8 9.4 14.0

122 16.4 13.0 19.4



#32

Benzo(a)anthracene

Concen: 0.273 ng

RT: 21.017 min Scan# 2395

Delta R.T. 0.000 min

Lab File: BN035284.D

Acq: 25 Nov 2024 14:29

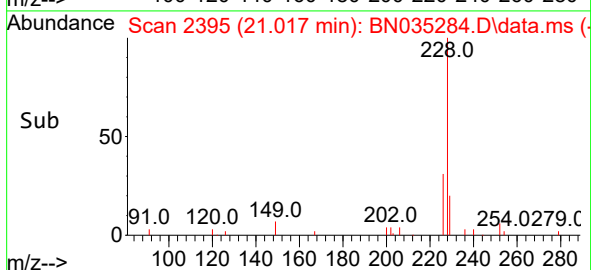
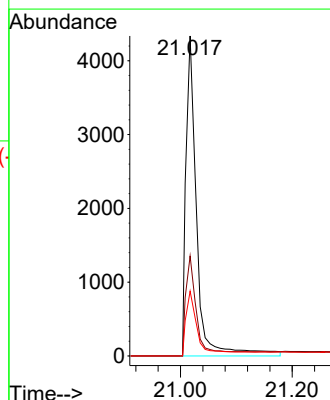
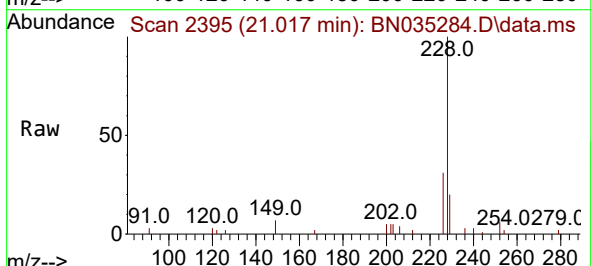
Tgt Ion:228 Resp: 5799

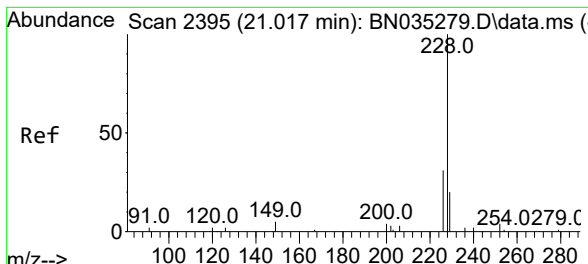
Ion Ratio Lower Upper

228 100

226 31.3 24.7 37.1

229 20.3 16.2 24.2

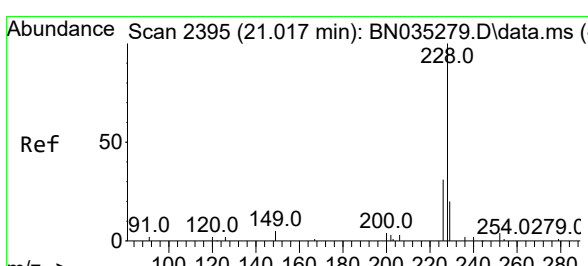
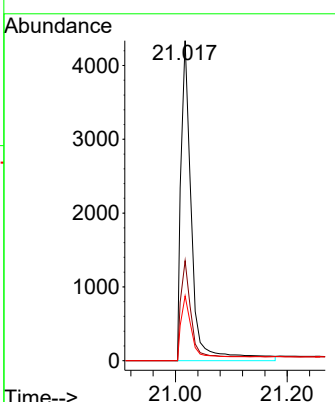
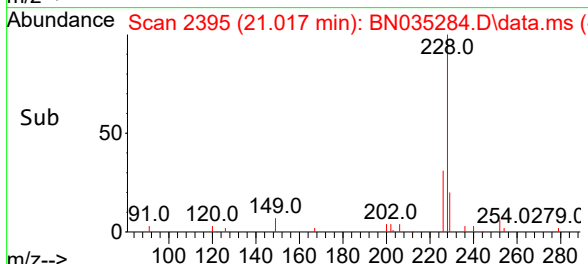
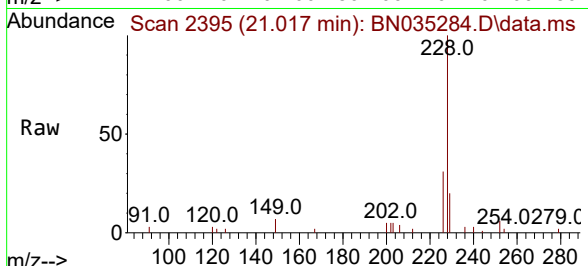




#33
 Chrysene
 Concen: 0.273 ng
 RT: 21.017 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN035284.D
 Acq: 25 Nov 2024 14:29

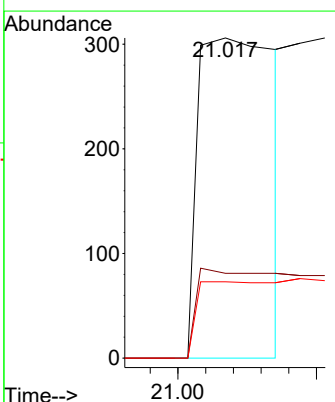
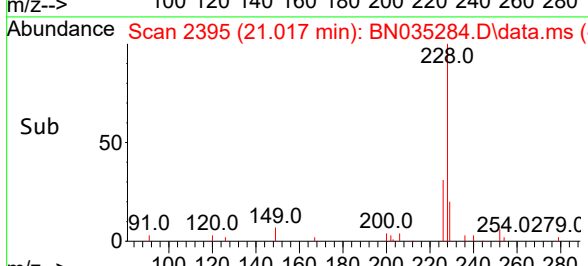
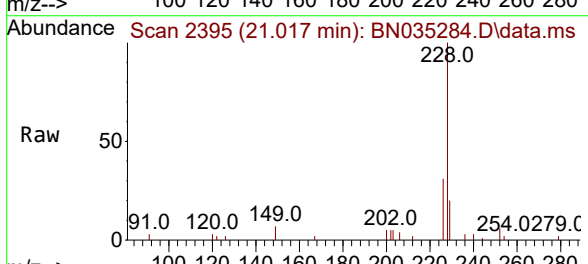
Instrument : BNA_N
 ClientSampleId : ICVBN112524

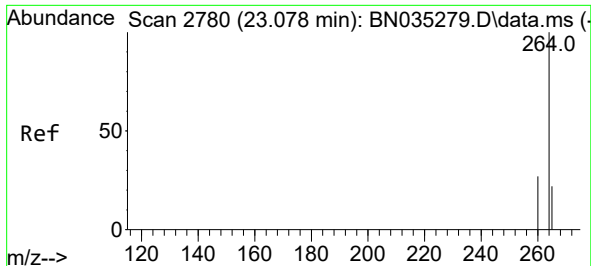
Tgt Ion:	228	Resp:	5799
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.7	37.1
229	20.3	16.2	24.2



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.041 ng
 RT: 21.017 min Scan# 2395
 Delta R.T. 0.000 min
 Lab File: BN035284.D
 Acq: 25 Nov 2024 14:29

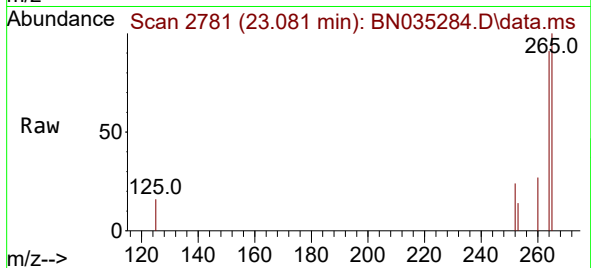
Tgt Ion:	149	Resp:	520
Ion Ratio	Lower	Upper	
149	100		
167	35.4	0.0	0.0#
279	17.1	13.0	19.6



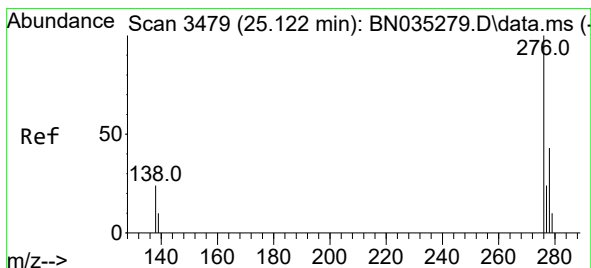
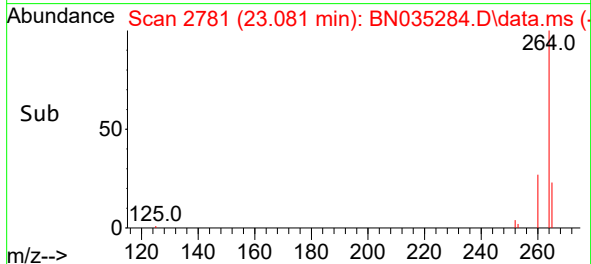
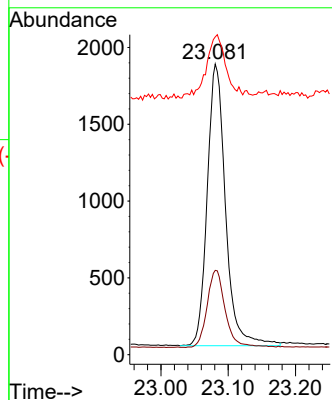


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

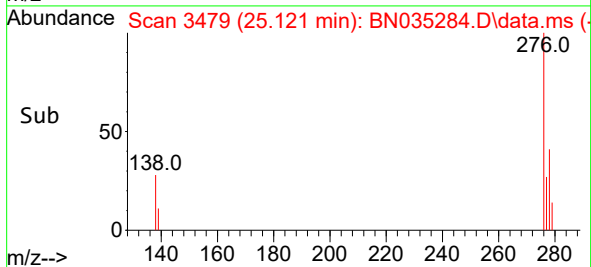
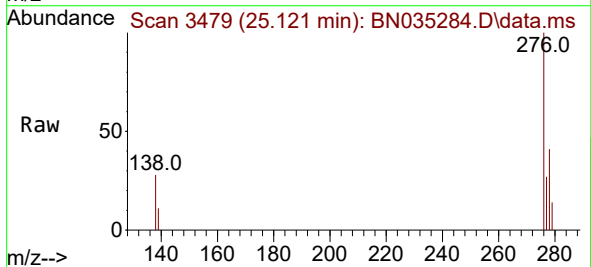
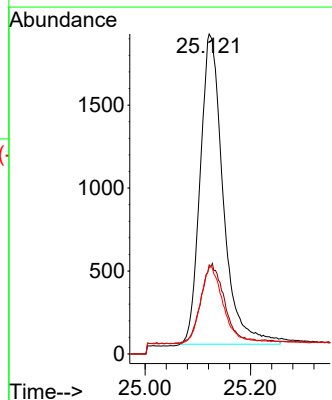


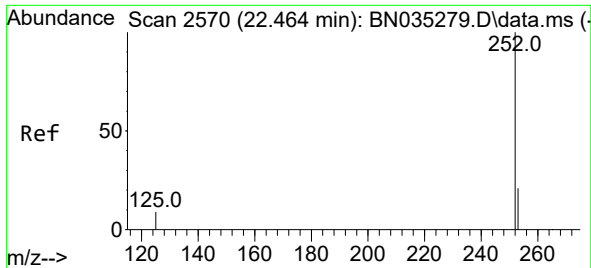
Tgt Ion:264 Resp: 3470
Ion Ratio Lower Upper
264 100
260 29.0 22.3 33.5
265 109.3 68.6 103.0#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.398 ng
RT: 25.121 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:276 Resp: 5652
Ion Ratio Lower Upper
276 100
138 23.1 18.8 28.2
277 23.0 18.2 27.4

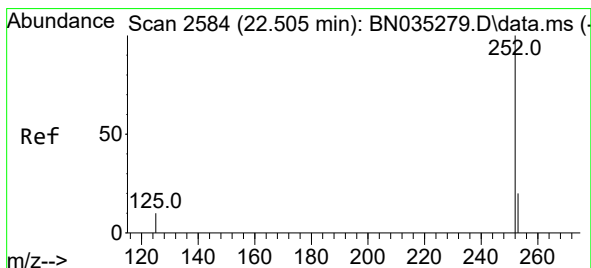
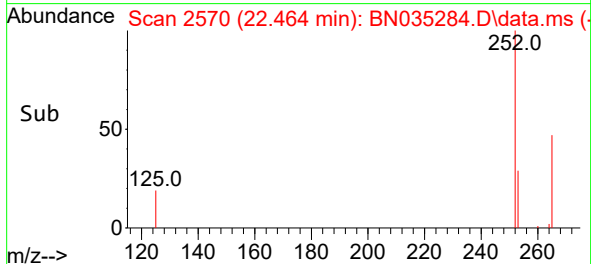
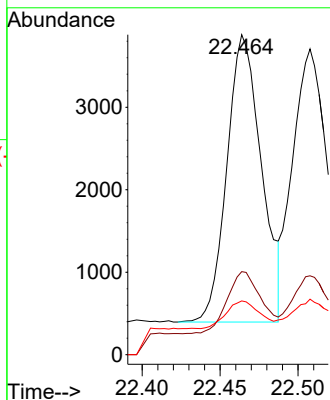
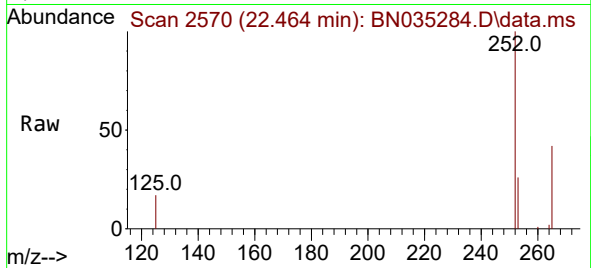




#37
Benzo(b)fluoranthene
Concen: 0.355 ng
RT: 22.464 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

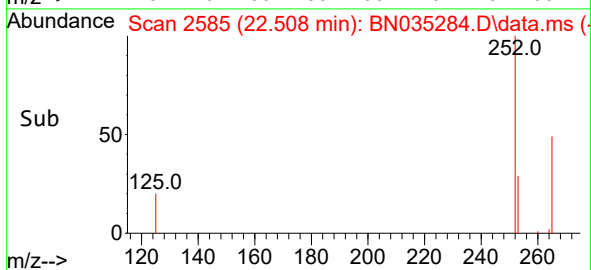
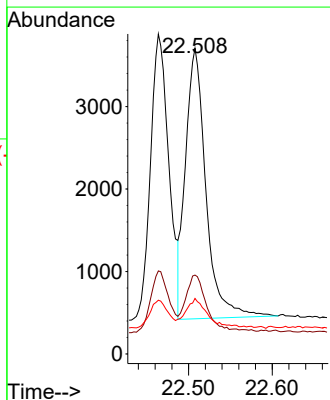
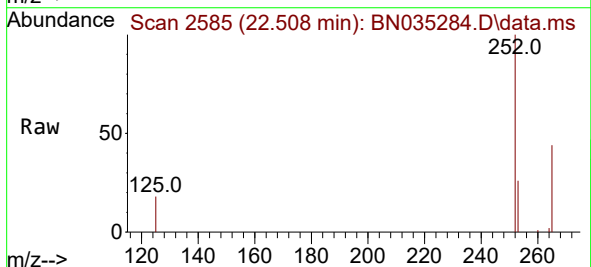
Instrument :
BNA_N
ClientSampleId :
ICVBN112524

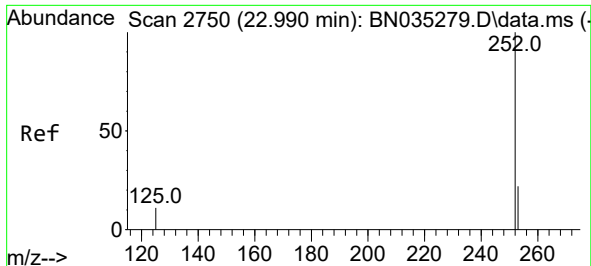
Tgt Ion:252 Resp: 5358
Ion Ratio Lower Upper
252 100
253 26.0 20.2 30.2
125 16.8 12.0 18.0



#38
Benzo(k)fluoranthene
Concen: 0.348 ng
RT: 22.508 min Scan# 2585
Delta R.T. 0.003 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

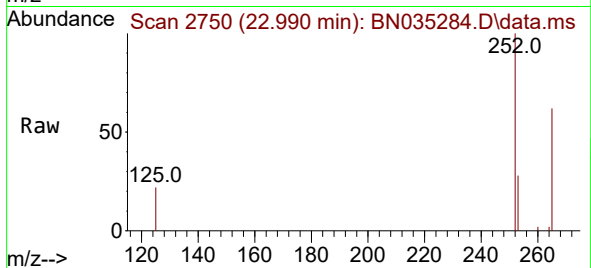
Tgt Ion:252 Resp: 5559
Ion Ratio Lower Upper
252 100
253 25.8 20.1 30.1
125 18.1 12.7 19.1



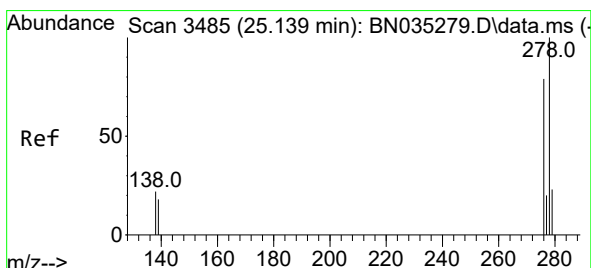
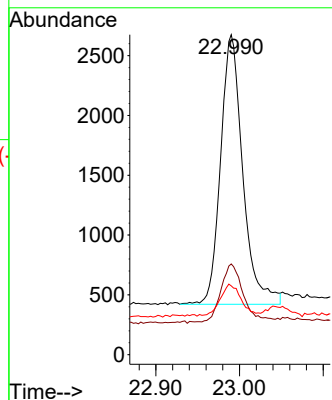
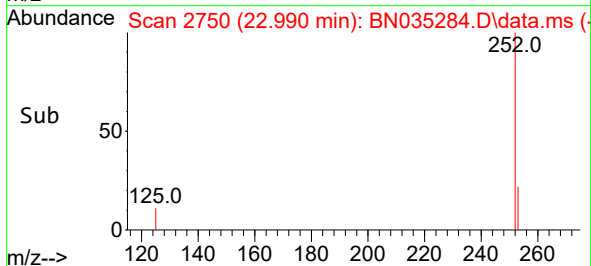


#39
Benzo(a)pyrene
Concen: 0.361 ng
RT: 22.990 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

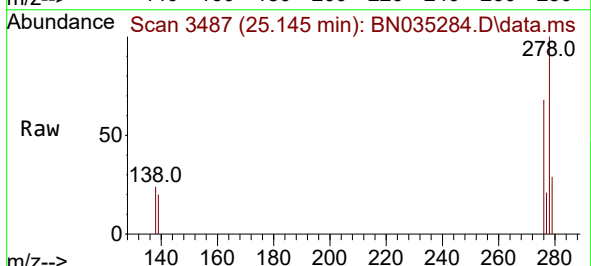
Instrument :
BNA_N
ClientSampleId :
ICVBN112524



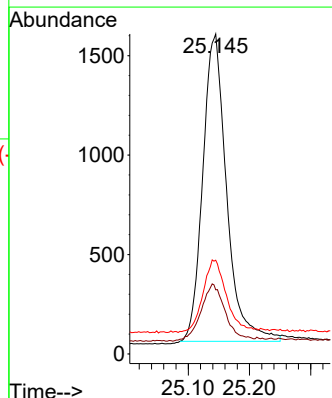
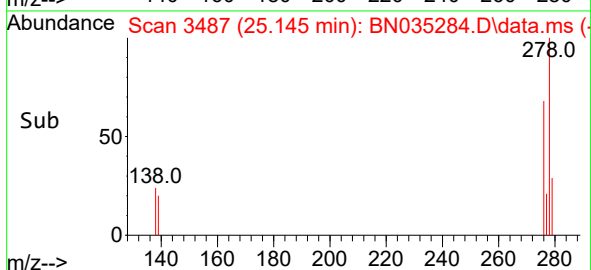
Tgt Ion:252 Resp: 4167
Ion Ratio Lower Upper
252 100
253 28.3 22.3 33.5
125 21.5 15.3 22.9

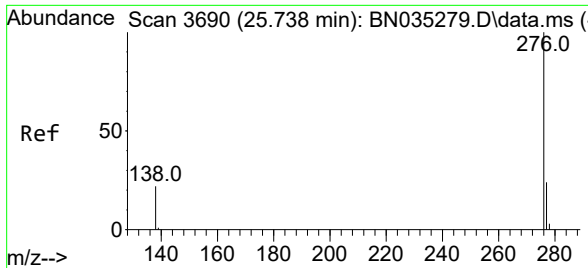


#40
Dibenzo(a,h)anthracene
Concen: 0.389 ng
RT: 25.145 min Scan# 3487
Delta R.T. 0.006 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29



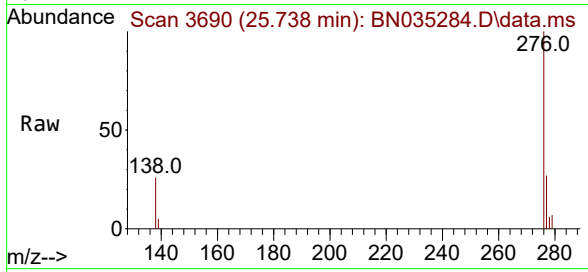
Tgt Ion:278 Resp: 4182
Ion Ratio Lower Upper
278 100
139 20.1 17.0 25.6
279 29.3 23.0 34.4



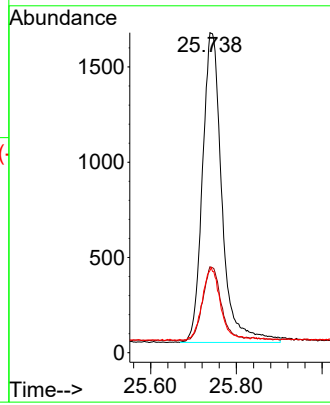
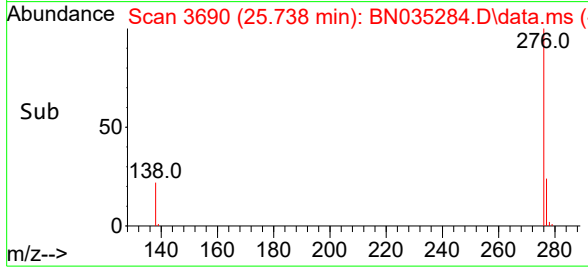


#41
Benzo(g,h,i)perylene
Concen: 0.412 ng
RT: 25.738 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524



Tgt Ion:	276	Resp:	5121
Ion	Ratio	Lower	Upper
276	100		
277	26.8	21.1	31.7
138	25.7	19.8	29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035293.D
 Acq On : 25 Nov 2024 23:02
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

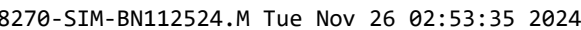
Quant Time: Nov 26 02:53:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 02:36:08 2024
 Response via : Initial Calibration

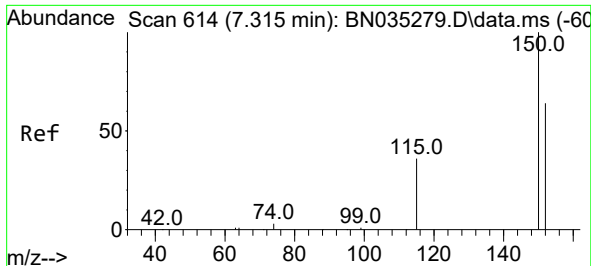
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3724	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	9273	0.400	ng	# 0.00
13) Acenaphthene-d10	13.973	164	5865	0.400	ng	# 0.00
19) Phenanthrene-d10	16.741	188	12563	0.400	ng	# 0.00
29) Chrysene-d12	21.006	240	932	0.400	ng	# 0.00
35) Perylene-d12	23.078	264	7119	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	3633	0.516	ng	0.00
5) Phenol-d6	6.513	99	4690	0.477	ng	0.00
8) Nitrobenzene-d5	8.450	82	1996	0.265	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	5475	0.422	ng	0.00
14) 2,4,6-Tribromophenol	15.480	330	1245	0.416	ng	0.00
15) 2-Fluorobiphenyl	12.604	172	851	0.263	ng	0.00
27) Fluoranthene-d10	18.790	212	11601	0.345	ng	0.00
31) Terphenyl-d14	19.422	244	7795	0.453	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	1344	0.502	ng	# 72
3) n-Nitrosodimethylamine	3.299	42	1095	0.395	ng	# 72
6) bis(2-Chloroethyl)ether	6.766	93	3610	0.436	ng	98
9) Naphthalene	10.105	128	9911	0.385	ng	100
10) Hexachlorobutadiene	10.404	225	2320	0.321	ng	# 100
12) 2-Methylnaphthalene	11.742	142	6764	0.402	ng	98
16) Acenaphthylene	13.684	152	9720	0.329	ng	99
17) Acenaphthene	14.037	154	6539	0.352	ng	# 85
18) Fluorene	15.031	166	8779	0.337	ng	98
20) 4,6-Dinitro-2-methylph...	15.127	198	368	0.392	ng	96
21) 4-Bromophenyl-phenylether	15.946	248	3083	0.387	ng	# 78
22) Hexachlorobenzene	16.046	284	3763	0.330	ng	99
23) Atrazine	16.232	200	1428	0.425	ng	99
24) Pentachlorophenol	16.393	266	1142	0.417	ng	98
25) Phenanthrene	16.778	178	13726	0.356	ng	100
26) Anthracene	16.865	178	11907	0.359	ng	100
28) Fluoranthene	18.822	202	15419	0.317	ng	100
30) Pyrene	19.189	202	14952	0.441	ng	100
32) Benzo(a)anthracene	21.015	228	11234	0.346	ng	99
33) Chrysene	21.015	228	11234	0.346	ng	99
34) Bis(2-ethylhexyl)phtha...	21.006	149	416	0.233	ng	# 64
36) Indeno(1,2,3-cd)pyrene	25.119	276	11225	0.385	ng	99
37) Benzo(b)fluoranthene	22.464	252	9762	0.316	ng	98
38) Benzo(k)fluoranthene	22.505	252	10556	0.323	ng	98
39) Benzo(a)pyrene	22.991	252	8259	0.349	ng	97
40) Dibenzo(a,h)anthracene	25.140	278	8482	0.385	ng	96
41) Benzo(g,h,i)perylene	25.742	276	9609	0.377	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

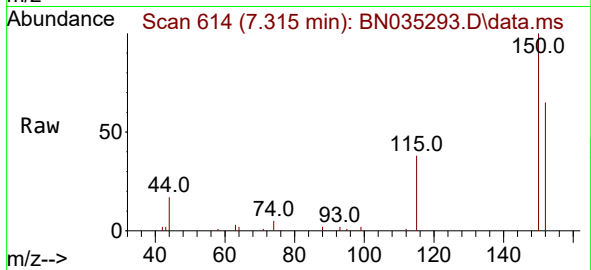
Quant Time: Nov 26 02:53:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration



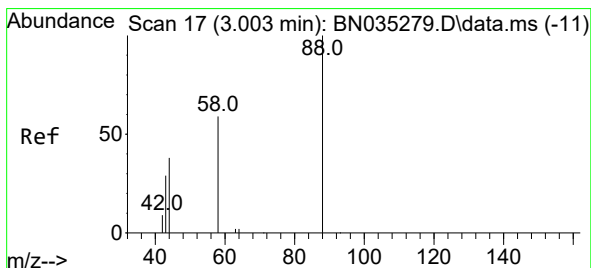
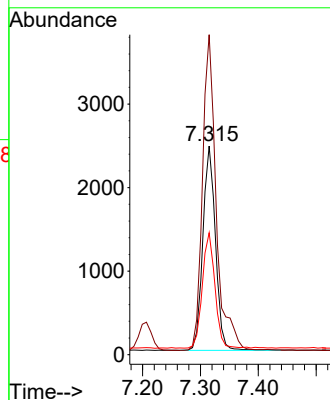
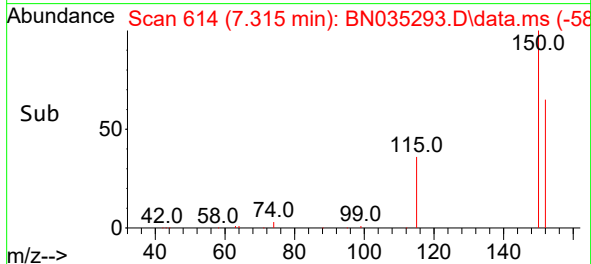


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.315 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN035293.D
 Acq: 25 Nov 2024 23:02

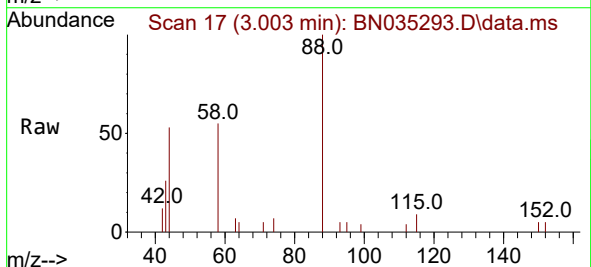
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4



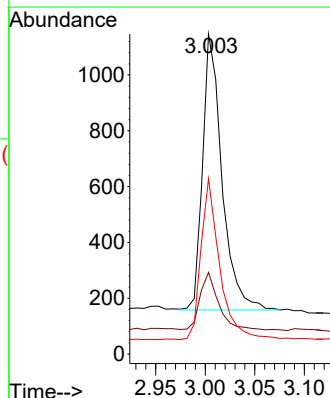
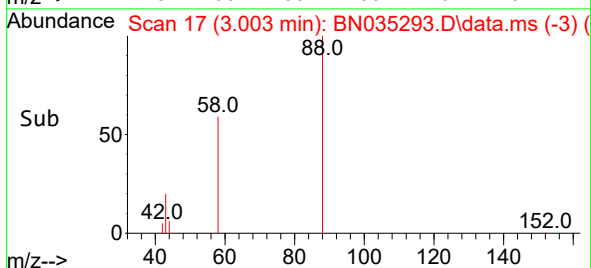
Tgt Ion:152 Resp: 3724
 Ion Ratio Lower Upper
 152 100
 150 153.4 124.5 186.7
 115 58.4 47.8 71.8

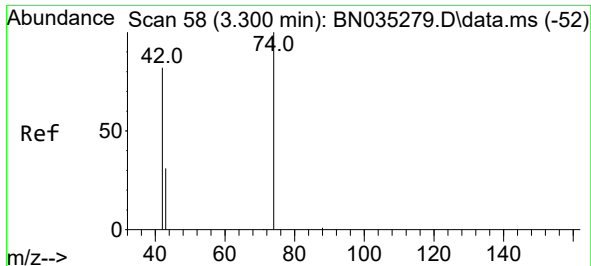


#2
 1,4-Dioxane
 Concen: 0.502 ng
 RT: 3.003 min Scan# 17
 Delta R.T. 0.000 min
 Lab File: BN035293.D
 Acq: 25 Nov 2024 23:02



Tgt Ion: 88 Resp: 1344
 Ion Ratio Lower Upper
 88 100
 43 19.7 48.1 72.1#
 58 56.6 46.9 70.3

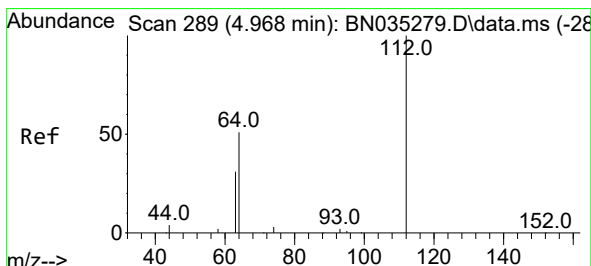
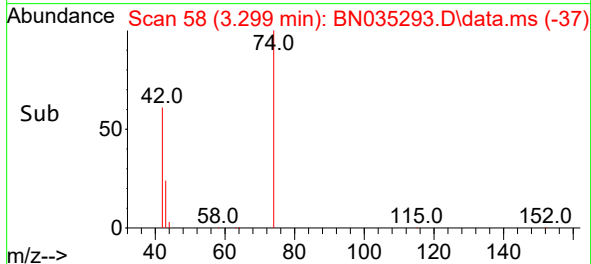
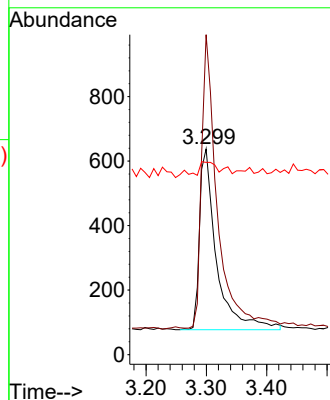
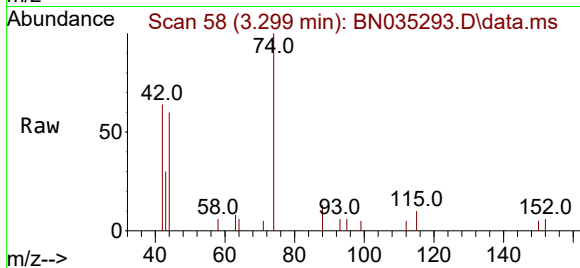




#3
n-Nitrosodimethylamine
Concen: 0.395 ng
RT: 3.299 min Scan# 58
Delta R.T. -0.001 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

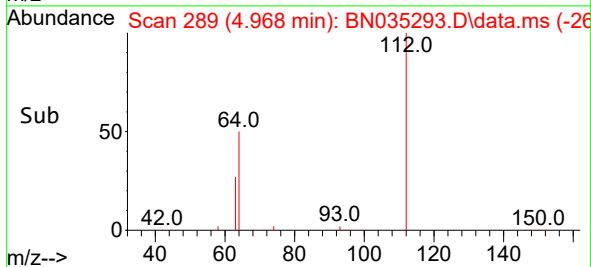
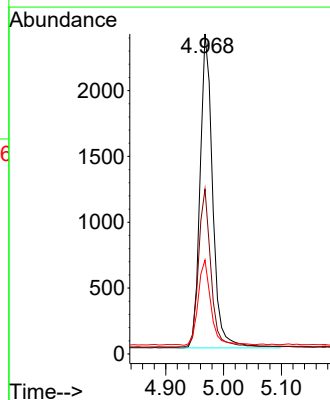
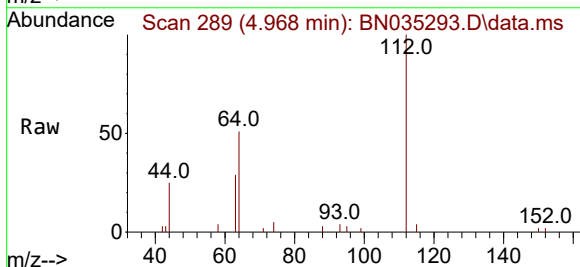
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

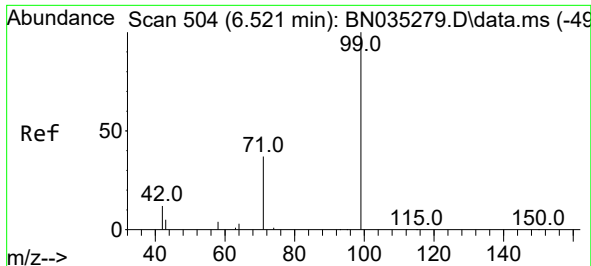
Tgt Ion: 42 Resp: 1095
Ion Ratio Lower Upper
42 100
74 151.0 102.7 154.1
44 9.1 34.1 51.1#



#4
2-Fluorophenol
Concen: 0.516 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion: 112 Resp: 3633
Ion Ratio Lower Upper
112 100
64 49.6 40.4 60.6
63 27.7 23.8 35.8

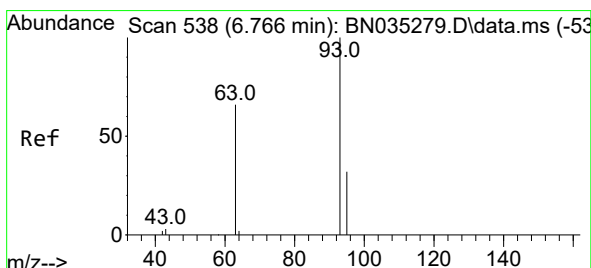
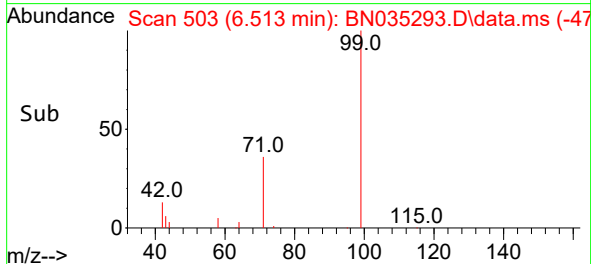
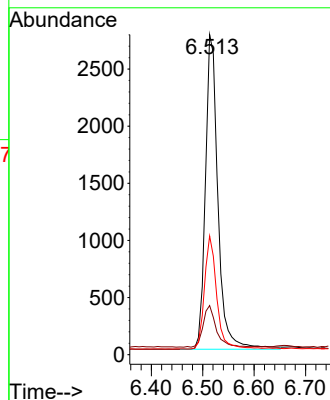
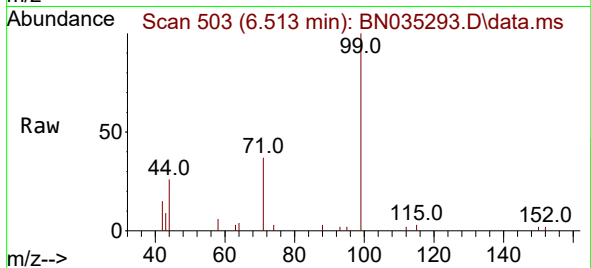




#5
Phenol-d6
Concen: 0.477 ng
RT: 6.513 min Scan# 504
Delta R.T. -0.007 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

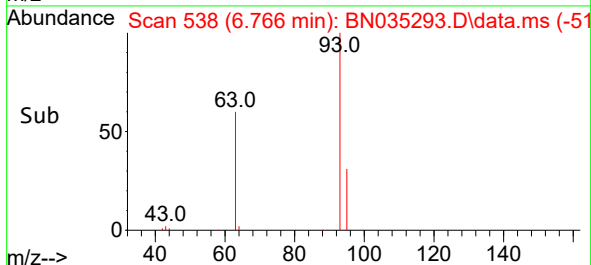
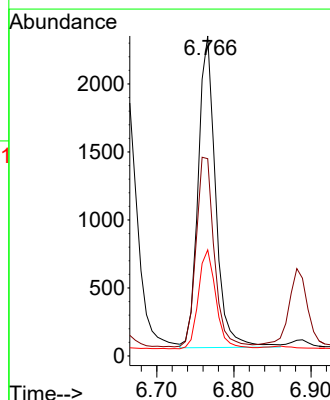
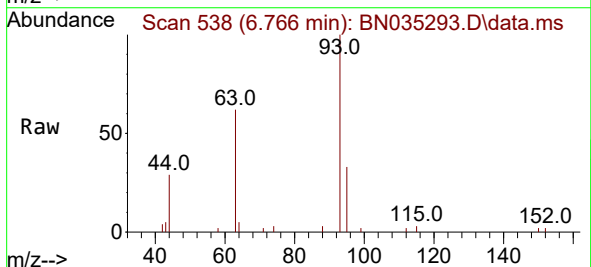
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

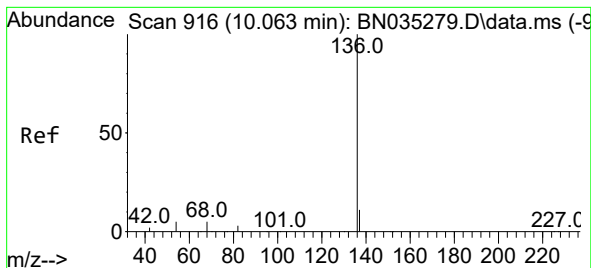
Tgt Ion: 99 Resp: 4690
Ion Ratio Lower Upper
99 100
42 13.7 12.8 19.2
71 35.0 31.4 47.2



#6
bis(2-Chloroethyl)ether
Concen: 0.436 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion: 93 Resp: 3610
Ion Ratio Lower Upper
93 100
63 63.1 52.3 78.5
95 31.8 25.5 38.3





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.063 min Scan# 916

Delta R.T. -0.000 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion:136 Resp: 9273

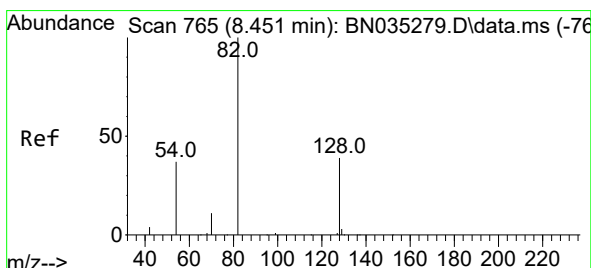
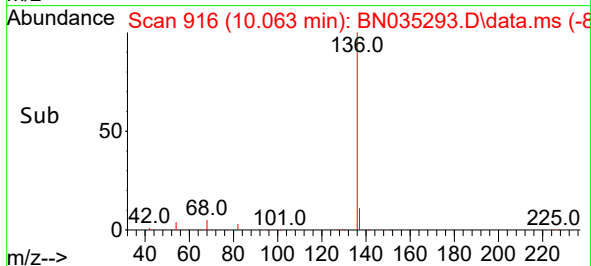
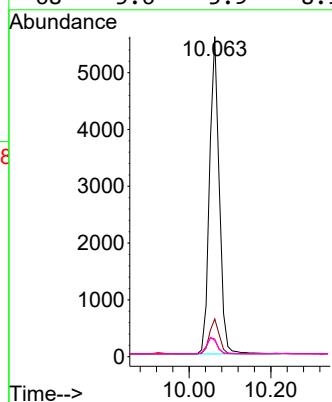
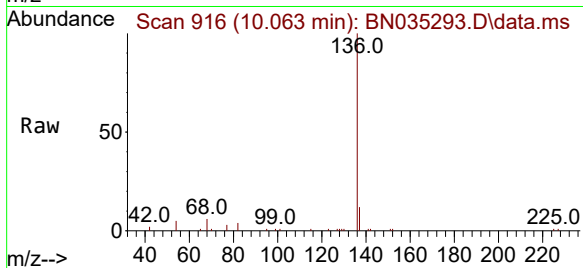
Ion Ratio Lower Upper

136 100

137 11.8 9.7 14.5

54 5.2 5.3 7.9#

68 5.6 5.9 8.9#



#8

Nitrobenzene-d5

Concen: 0.265 ng

RT: 8.450 min Scan# 765

Delta R.T. -0.000 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

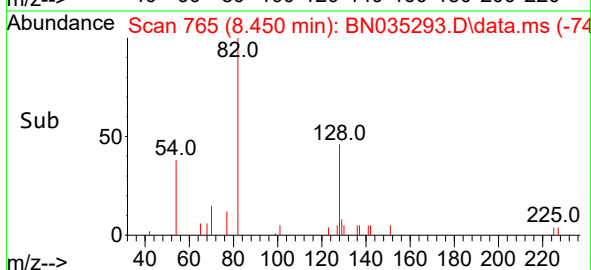
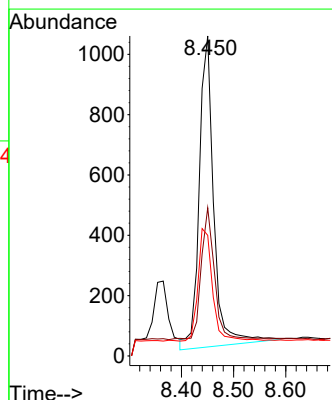
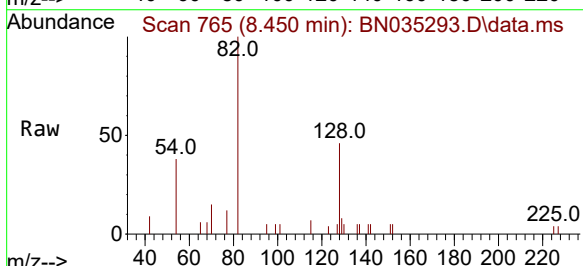
Tgt Ion: 82 Resp: 1996

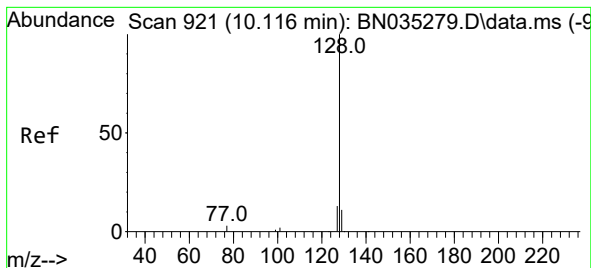
Ion Ratio Lower Upper

82 100

128 46.3 33.0 49.4

54 37.7 33.3 49.9





#9

Naphthalene

Concen: 0.385 ng

RT: 10.105 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

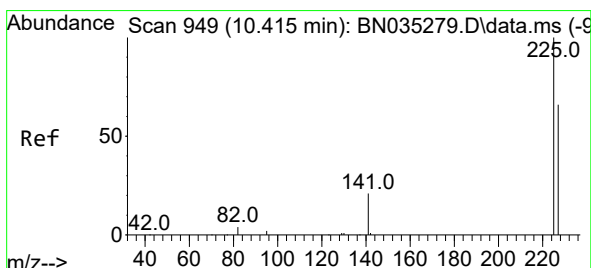
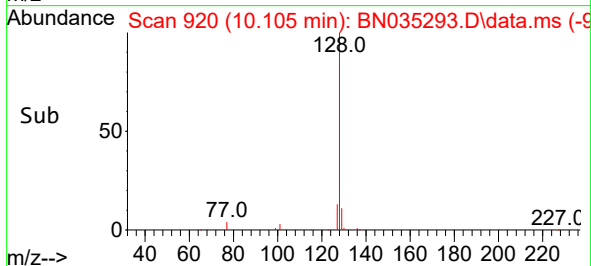
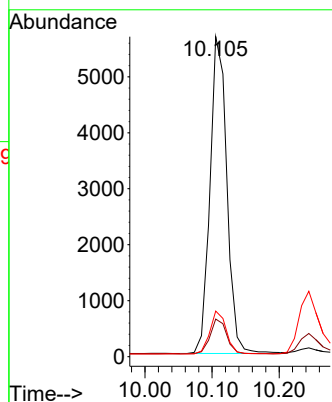
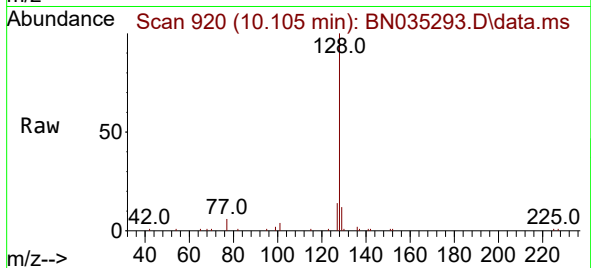
Tgt Ion:128 Resp: 9911

Ion Ratio Lower Upper

128 100

129 11.7 9.6 14.4

127 14.2 11.3 16.9



#10

Hexachlorobutadiene

Concen: 0.321 ng

RT: 10.404 min Scan# 948

Delta R.T. -0.011 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

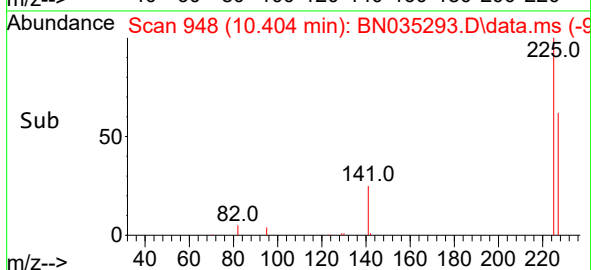
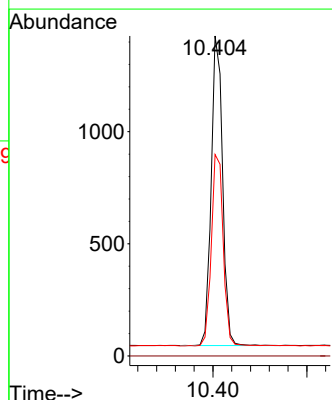
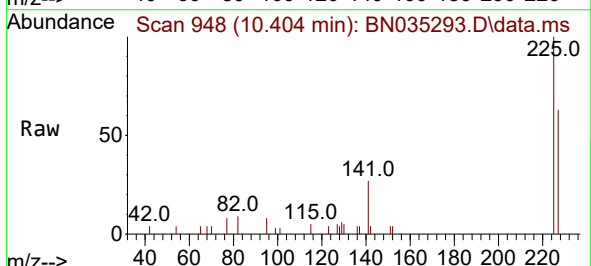
Tgt Ion:225 Resp: 2320

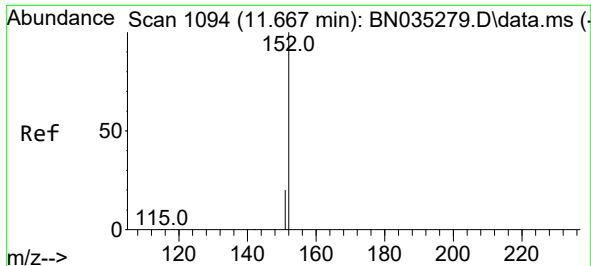
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 64.5 51.3 76.9

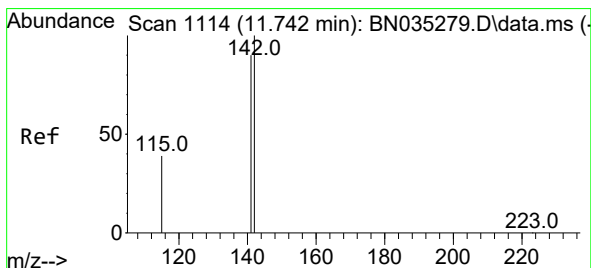
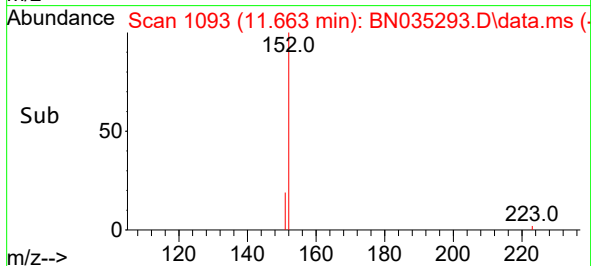
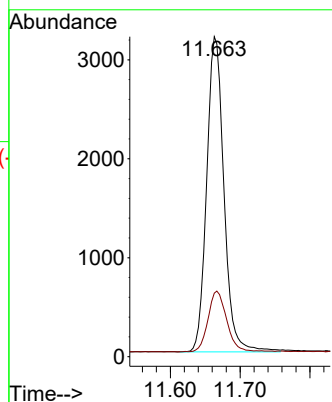
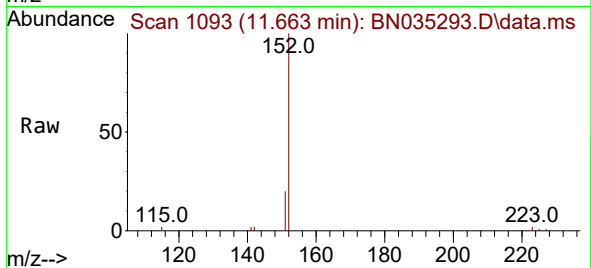




#11
2-Methylnaphthalene-d10
Concen: 0.422 ng
RT: 11.663 min Scan# 1093
Delta R.T. -0.004 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

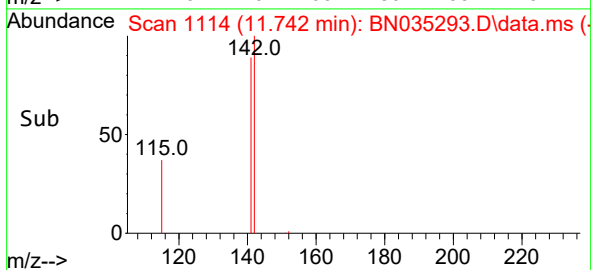
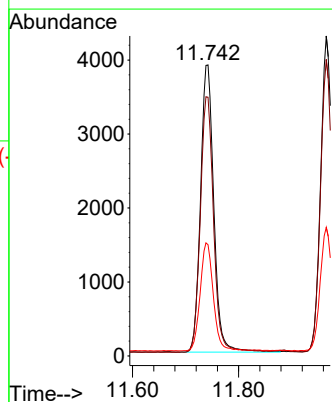
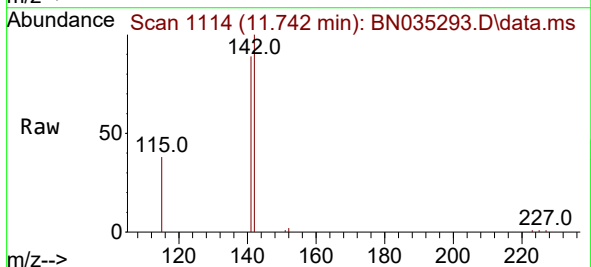
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

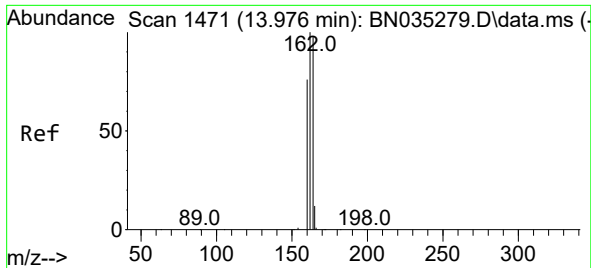
Tgt Ion:152 Resp: 5475
Ion Ratio Lower Upper
152 100
151 20.9 17.2 25.8



#12
2-Methylnaphthalene
Concen: 0.402 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion:142 Resp: 6764
Ion Ratio Lower Upper
142 100
141 88.9 71.8 107.8
115 38.2 32.6 49.0

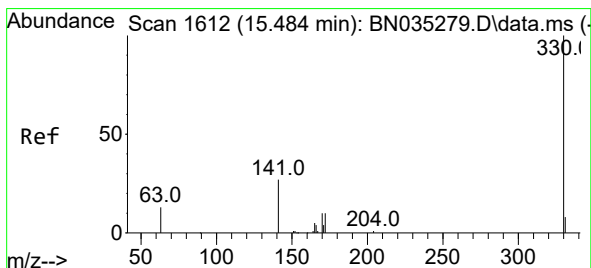
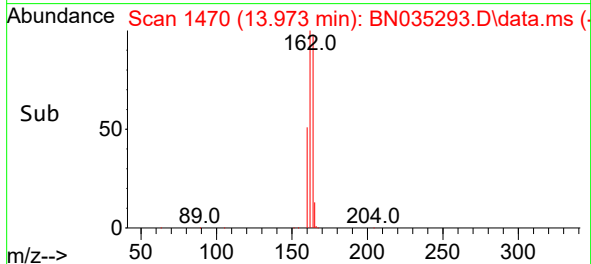
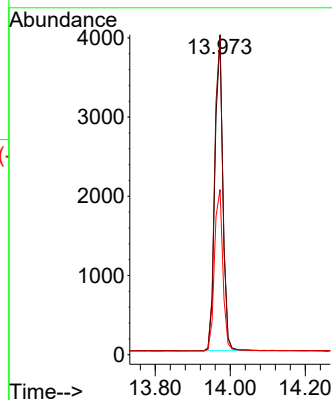
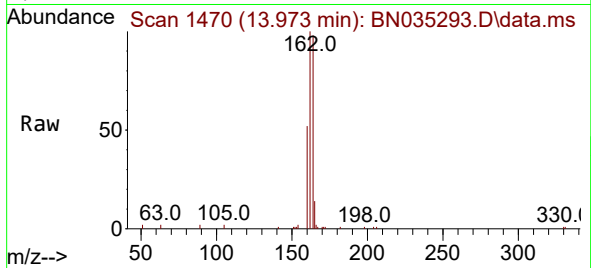




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.973 min Scan# 1471
Delta R.T. -0.004 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

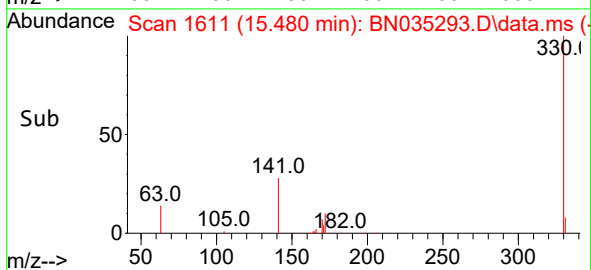
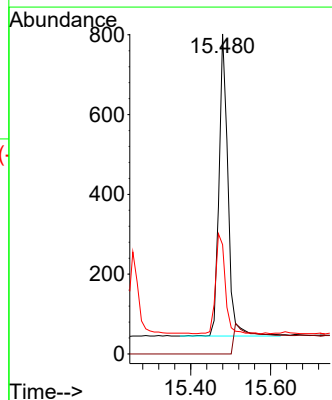
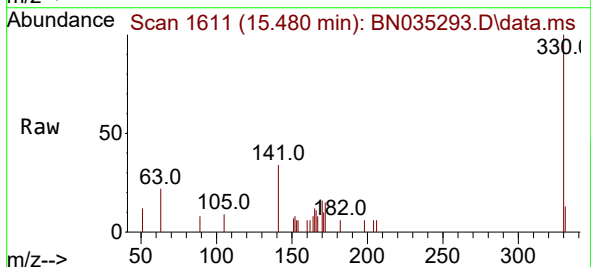
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

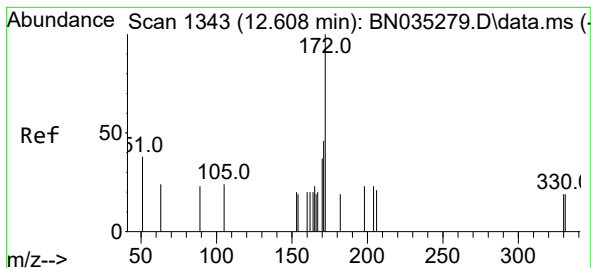
Tgt Ion:164 Resp: 5865
Ion Ratio Lower Upper
164 100
162 101.6 82.0 123.0
160 52.4 63.0 94.4#



#14
2,4,6-Tribromophenol
Concen: 0.416 ng
RT: 15.480 min Scan# 1611
Delta R.T. -0.004 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion:330 Resp: 1245
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.1 32.4 48.6





#15

2-Fluorobiphenyl

Concen: 0.263 ng

RT: 12.604 min Scan# 11

Delta R.T. -0.004 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

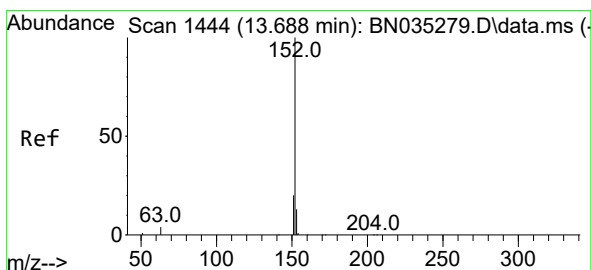
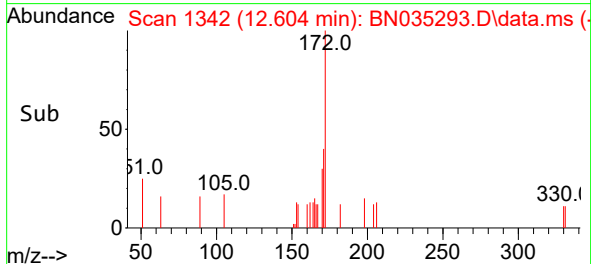
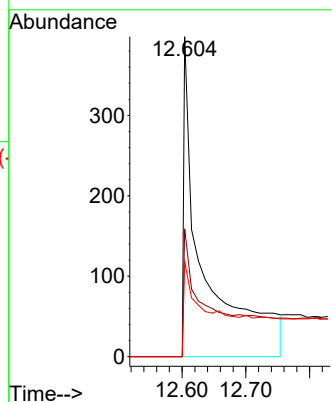
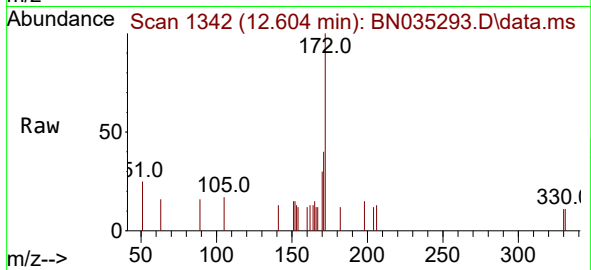
Tgt Ion:172 Resp: 851

Ion Ratio Lower Upper

172 100

171 39.9 36.6 55.0

170 29.6 29.7 44.5#



#16

Acenaphthylene

Concen: 0.329 ng

RT: 13.684 min Scan# 1443

Delta R.T. -0.004 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

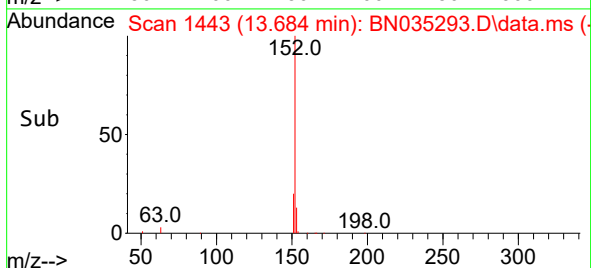
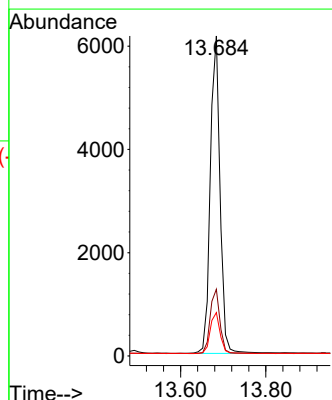
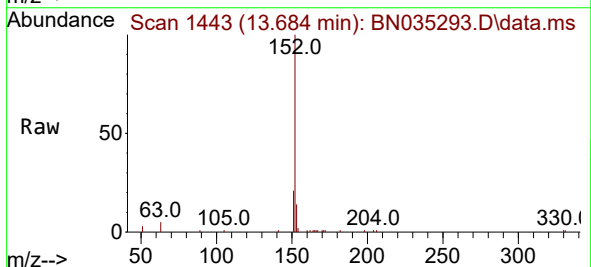
Tgt Ion:152 Resp: 9720

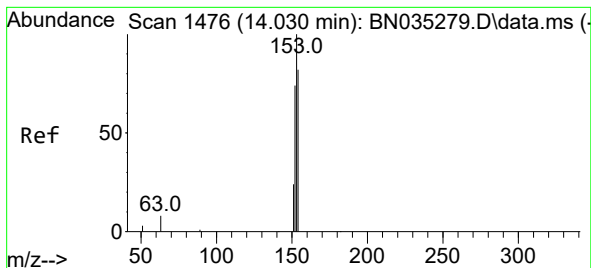
Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

153 13.1 10.2 15.4





#17

Acenaphthene

Concen: 0.352 ng

RT: 14.037 min Scan# 1476

Delta R.T. 0.007 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

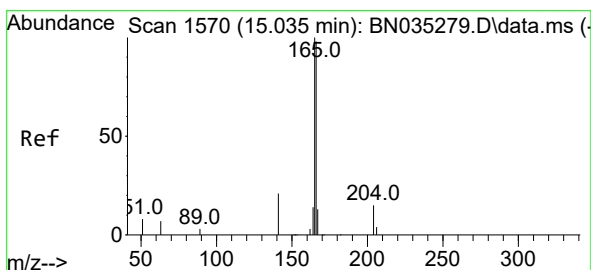
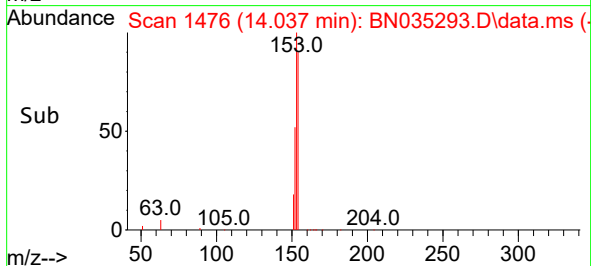
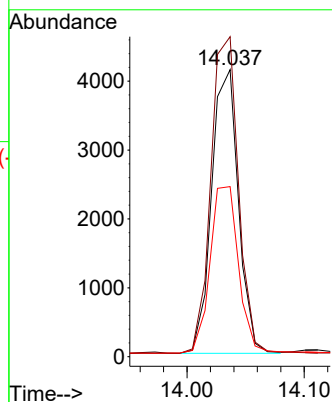
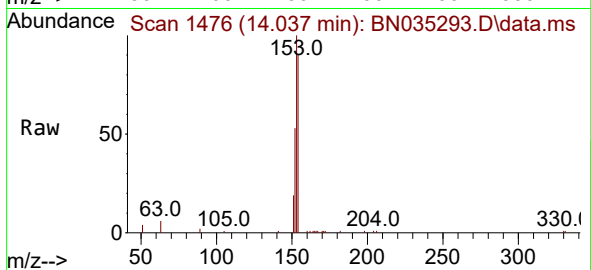
Tgt Ion:154 Resp: 6539

Ion Ratio Lower Upper

154 100

153 115.4 96.1 144.1

152 63.2 72.2 108.2#



#18

Fluorene

Concen: 0.337 ng

RT: 15.031 min Scan# 1569

Delta R.T. -0.004 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

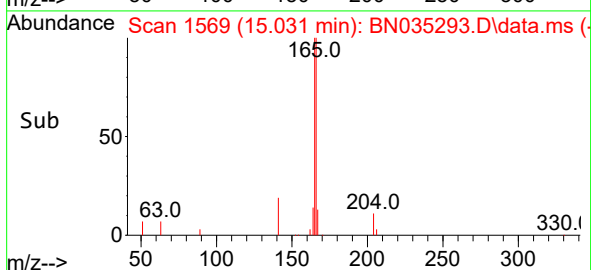
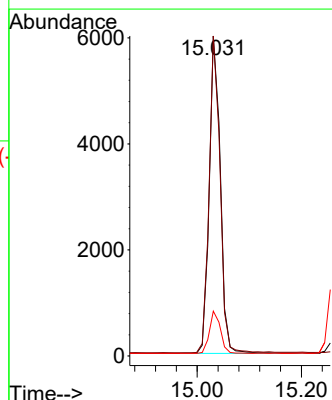
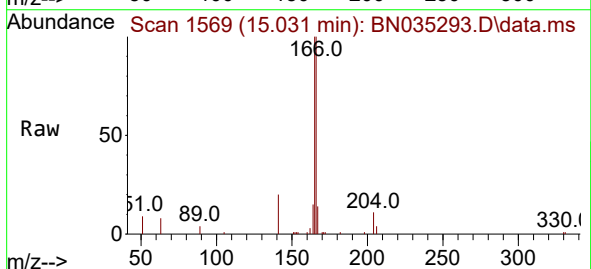
Tgt Ion:166 Resp: 8779

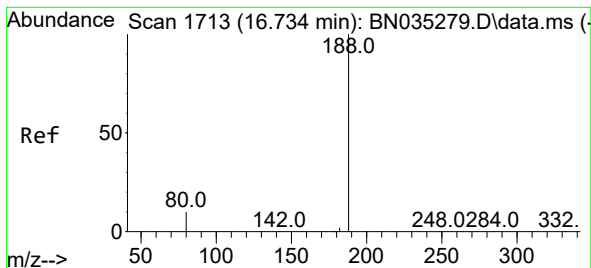
Ion Ratio Lower Upper

166 100

165 98.8 81.2 121.8

167 13.3 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.741 min Scan# 11

Delta R.T. 0.007 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

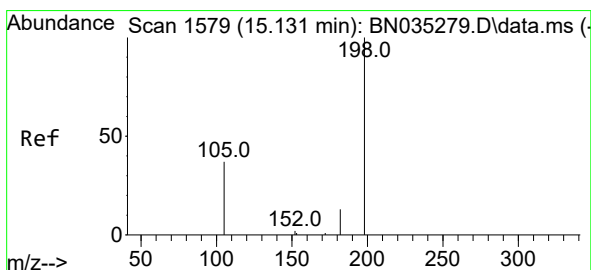
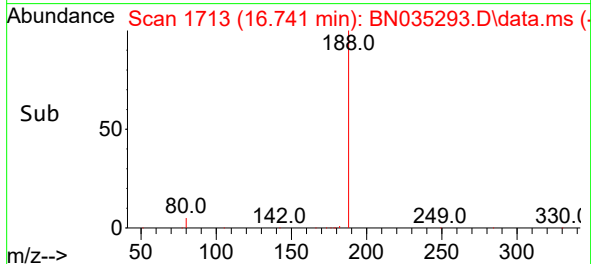
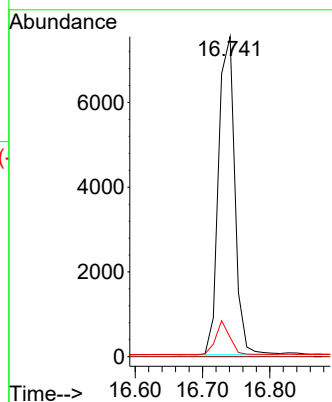
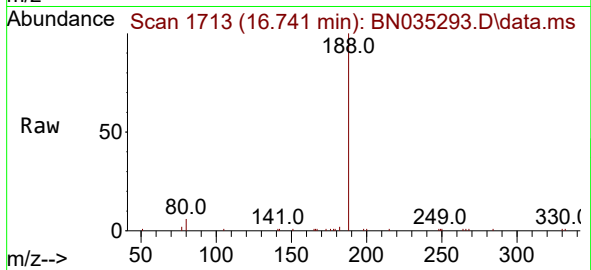
Tgt Ion:188 Resp: 12563

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.0 8.9 13.3#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.392 ng

RT: 15.127 min Scan# 1578

Delta R.T. -0.004 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

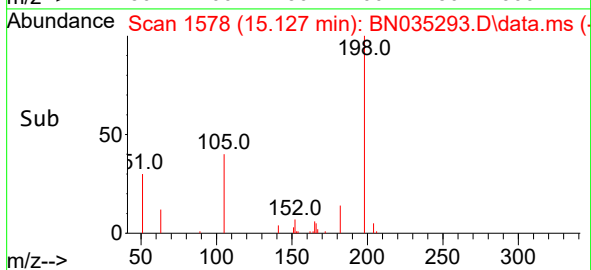
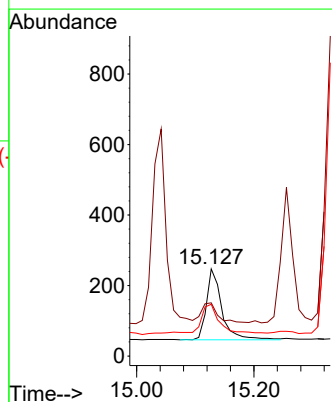
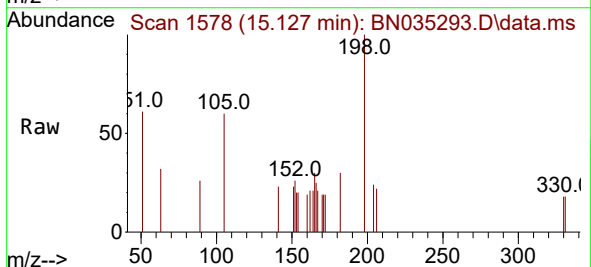
Tgt Ion:198 Resp: 368

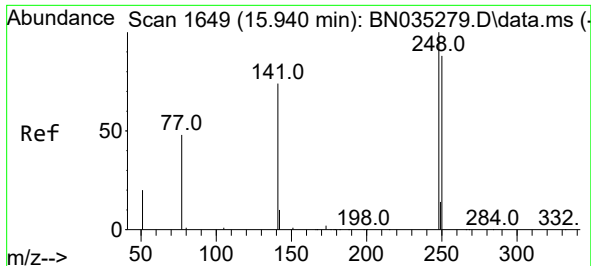
Ion Ratio Lower Upper

198 100

51 61.1 53.6 80.4

105 59.5 47.4 71.2

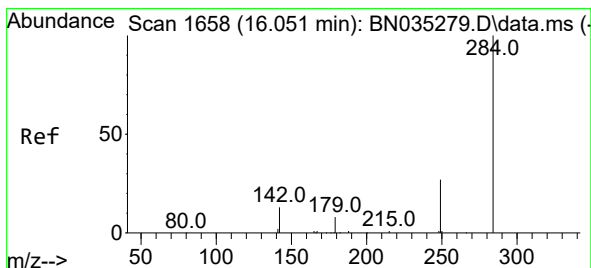
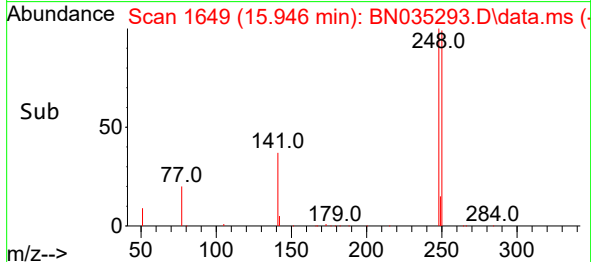
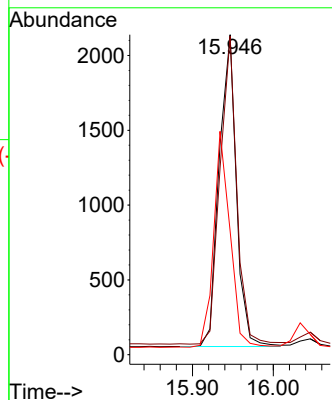
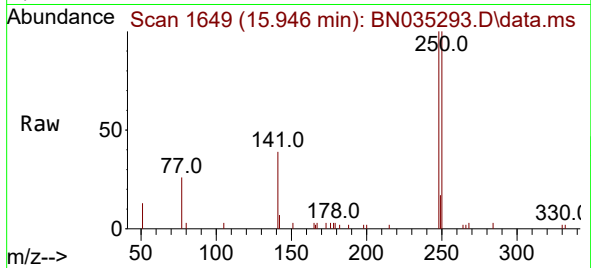




#21
4-Bromophenyl-phenylether
Concen: 0.387 ng
RT: 15.946 min Scan# 1649
Delta R.T. 0.006 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

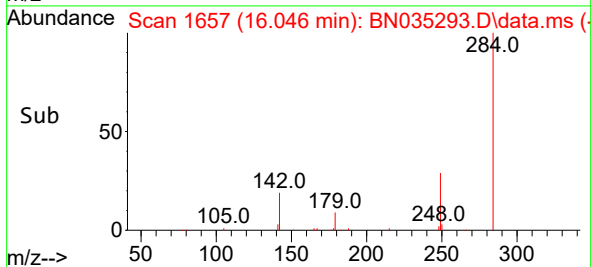
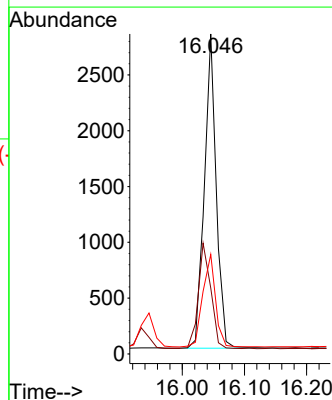
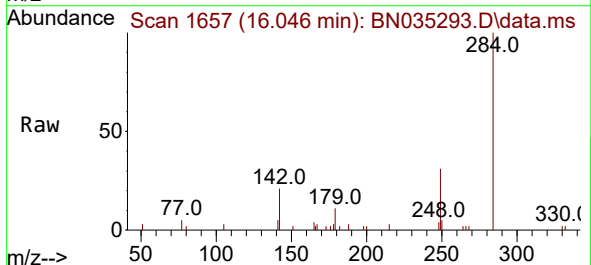
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

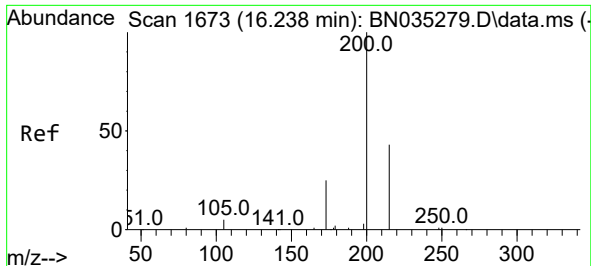
Tgt Ion:248 Resp: 3083
Ion Ratio Lower Upper
248 100
250 99.6 74.8 112.2
141 38.7 59.0 88.4#



#22
Hexachlorobenzene
Concen: 0.330 ng
RT: 16.046 min Scan# 1657
Delta R.T. -0.006 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion:284 Resp: 3763
Ion Ratio Lower Upper
284 100
142 35.3 28.7 43.1
249 31.5 25.4 38.0

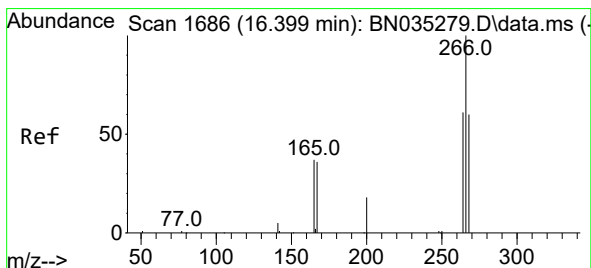
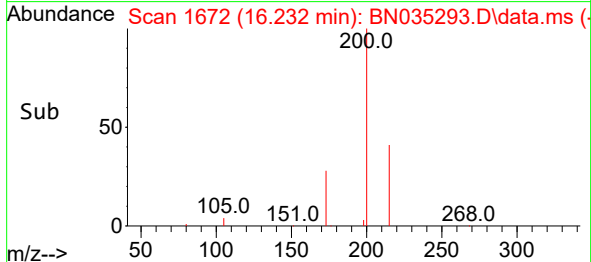
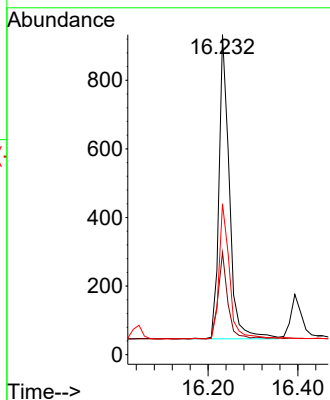
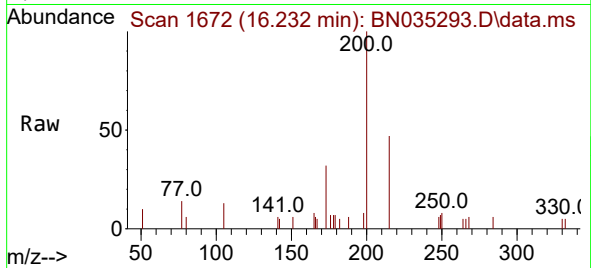




#23
 Atrazine
 Concen: 0.425 ng
 RT: 16.232 min Scan# 1672
 Delta R.T. -0.006 min
 Lab File: BN035293.D
 Acq: 25 Nov 2024 23:02

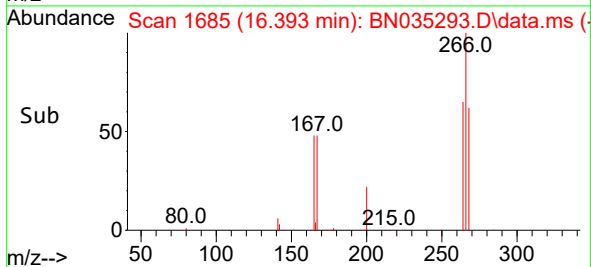
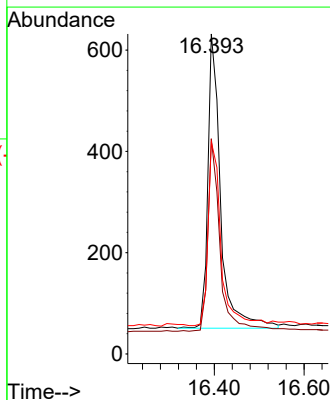
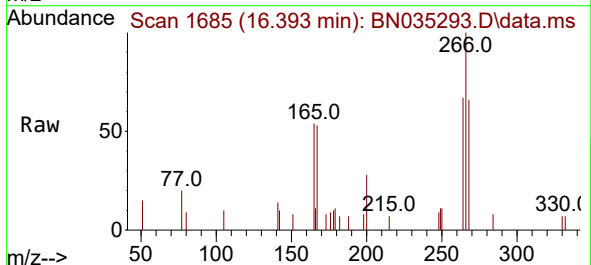
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

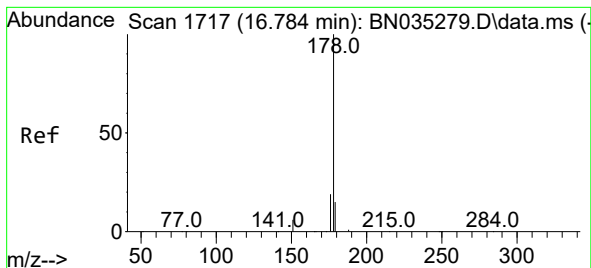
Tgt Ion:200 Resp: 1428
 Ion Ratio Lower Upper
 200 100
 173 31.9 25.8 38.8
 215 47.2 38.6 58.0



#24
 Pentachlorophenol
 Concen: 0.417 ng
 RT: 16.393 min Scan# 1685
 Delta R.T. -0.006 min
 Lab File: BN035293.D
 Acq: 25 Nov 2024 23:02

Tgt Ion:266 Resp: 1142
 Ion Ratio Lower Upper
 266 100
 264 62.2 49.3 73.9
 268 63.6 48.6 73.0





#25

Phenanthrene

Concen: 0.356 ng

RT: 16.778 min Scan# 1716

Delta R.T. -0.006 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

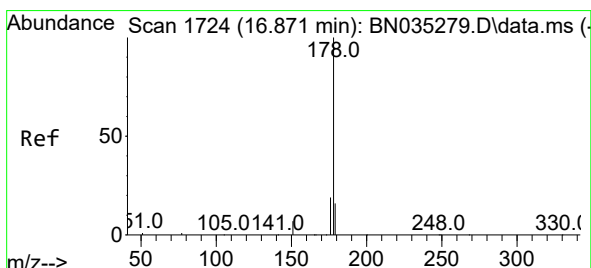
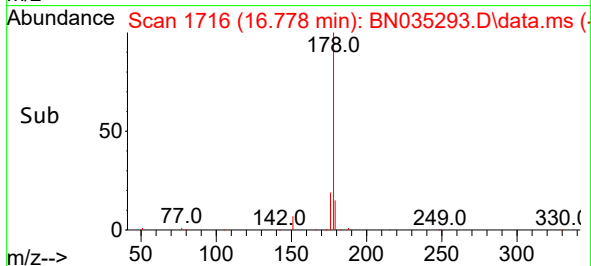
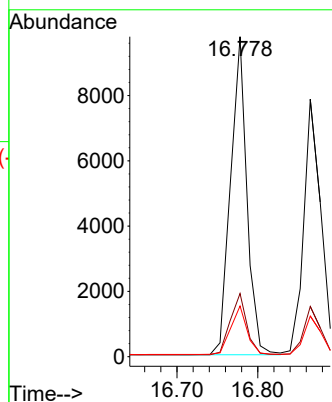
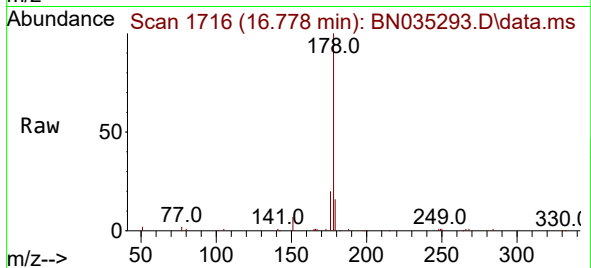
Tgt Ion:178 Resp: 13726

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 15.5 12.6 18.8



#26

Anthracene

Concen: 0.359 ng

RT: 16.865 min Scan# 1723

Delta R.T. -0.006 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

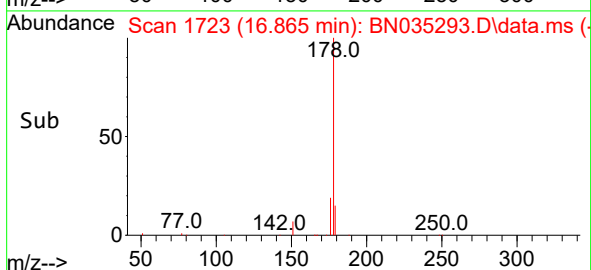
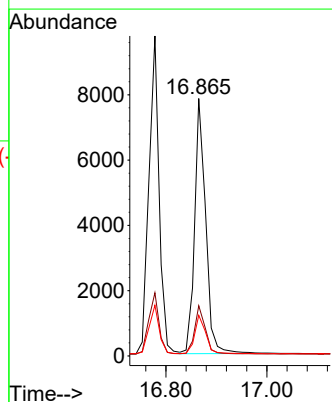
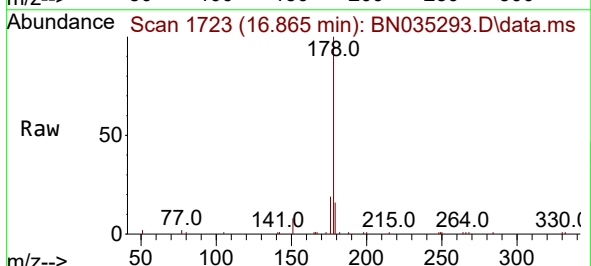
Tgt Ion:178 Resp: 11907

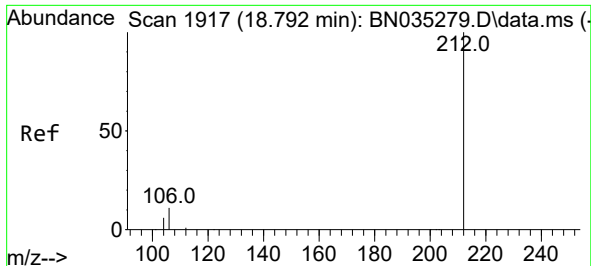
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 15.1 12.4 18.6

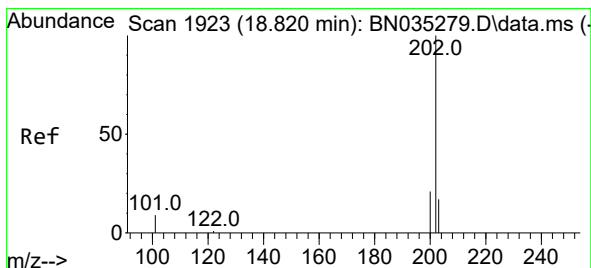
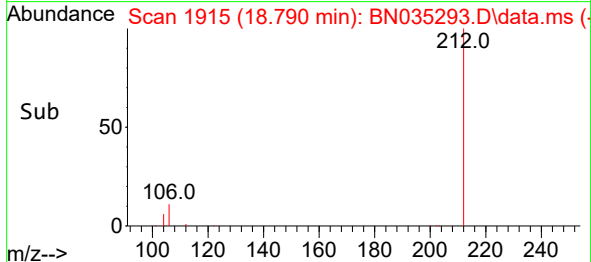
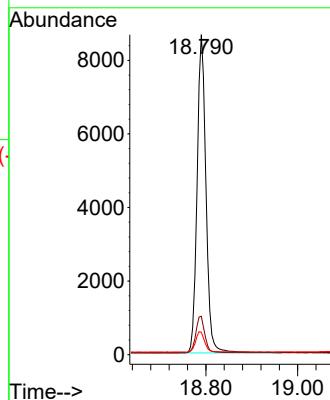
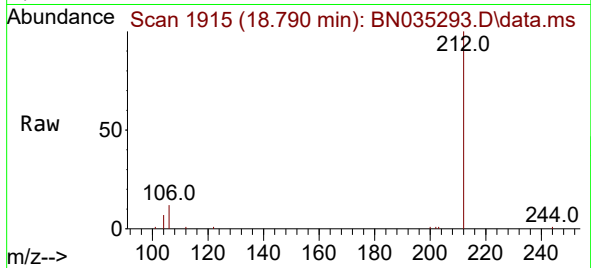




#27
Fluoranthene-d10
Concen: 0.345 ng
RT: 18.790 min Scan# 1917
Delta R.T. -0.002 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

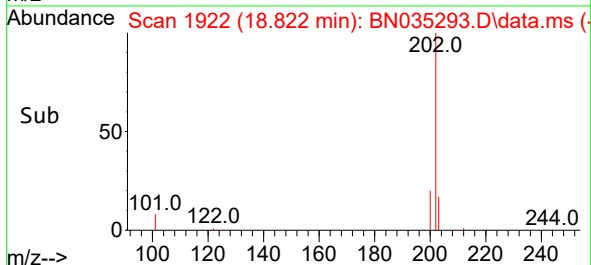
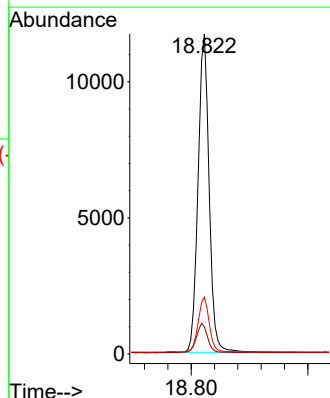
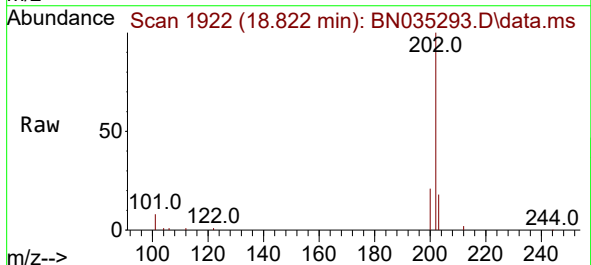
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

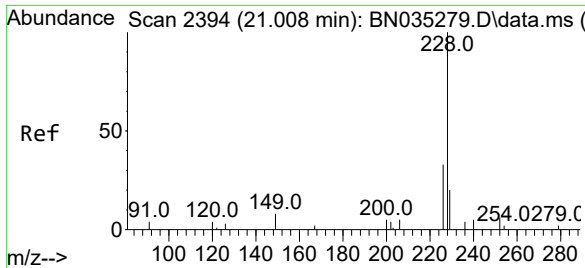
Tgt Ion:212 Resp: 11601
Ion Ratio Lower Upper
212 100
106 11.6 9.8 14.8
104 6.6 5.6 8.4



#28
Fluoranthene
Concen: 0.317 ng
RT: 18.822 min Scan# 1922
Delta R.T. 0.002 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion:202 Resp: 15419
Ion Ratio Lower Upper
202 100
101 9.4 7.6 11.4
203 17.1 13.8 20.8

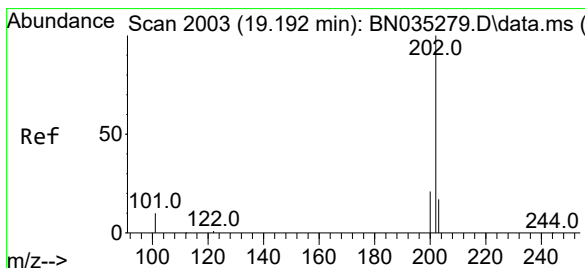
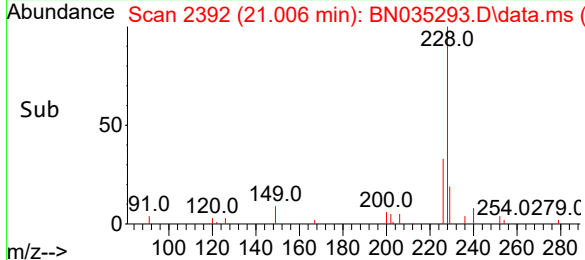
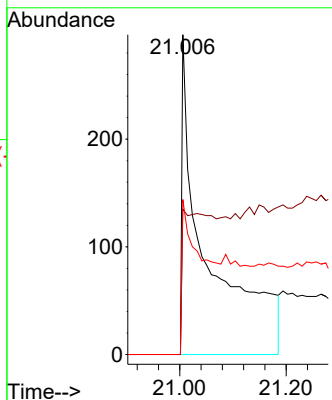
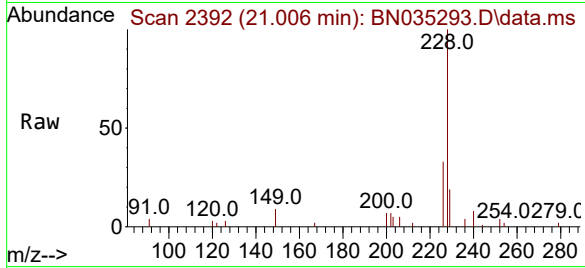




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.006 min Scan# 21
Delta R.T. -0.002 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

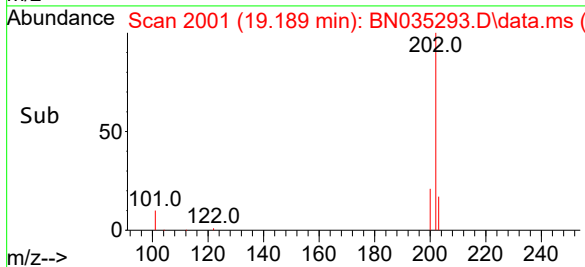
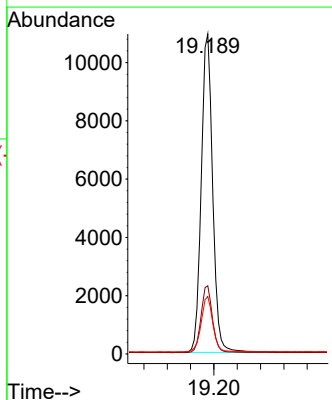
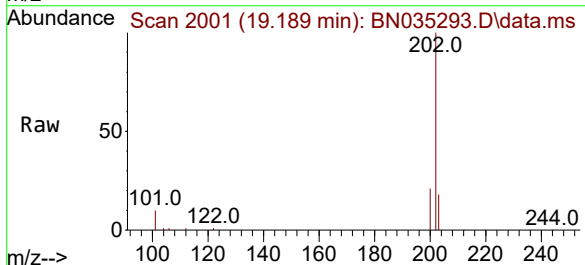
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

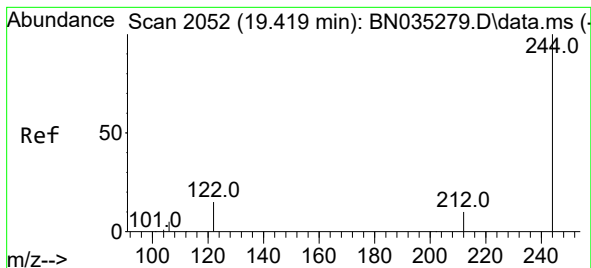
Tgt Ion:240 Resp: 932
Ion Ratio Lower Upper
240 100
120 45.5 54.9 82.3#
236 48.5 54.0 81.0#



#30
Pyrene
Concen: 0.441 ng
RT: 19.189 min Scan# 2001
Delta R.T. -0.003 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion:202 Resp: 14952
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 17.7 14.4 21.6





#31

Terphenyl-d14

Concen: 0.453 ng

RT: 19.422 min Scan# 2052

Delta R.T. 0.003 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

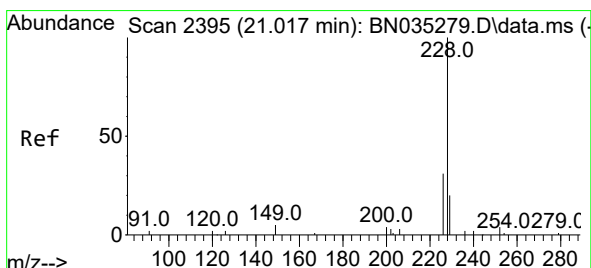
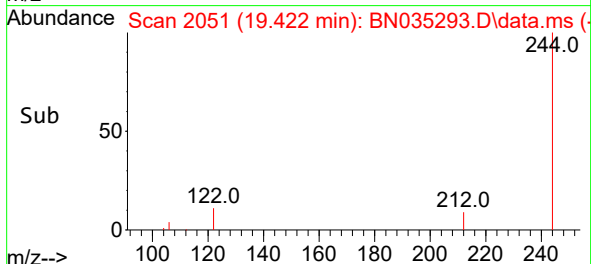
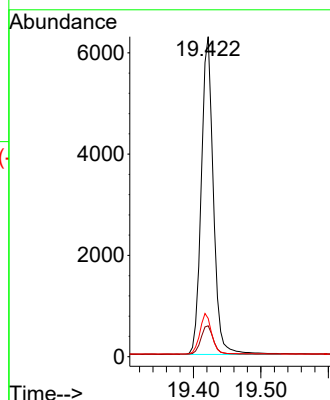
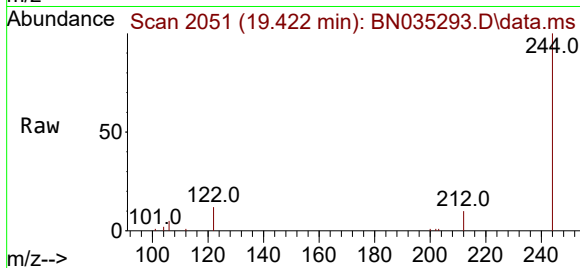
Tgt Ion:244 Resp: 7795

Ion Ratio Lower Upper

244 100

212 9.6 9.4 14.0

122 12.0 13.0 19.4#



#32

Benzo(a)anthracene

Concen: 0.346 ng

RT: 21.015 min Scan# 2393

Delta R.T. -0.002 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

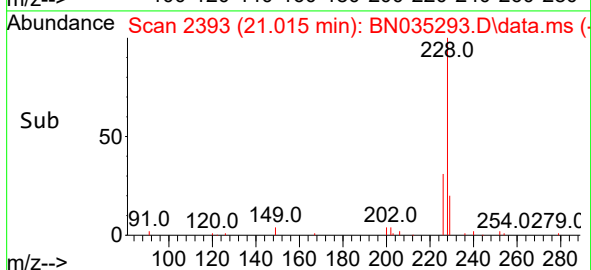
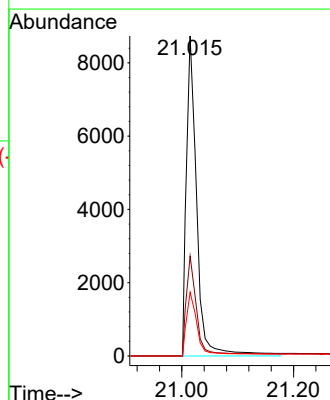
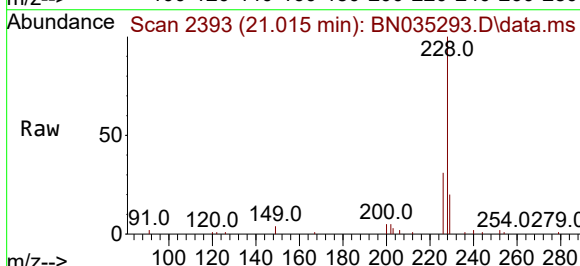
Tgt Ion:228 Resp: 11234

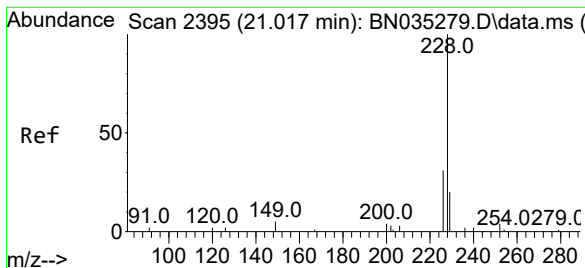
Ion Ratio Lower Upper

228 100

226 31.2 24.7 37.1

229 19.9 16.2 24.2





#33

Chrysene

Concen: 0.346 ng

RT: 21.015 min Scan# 21

Delta R.T. -0.002 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

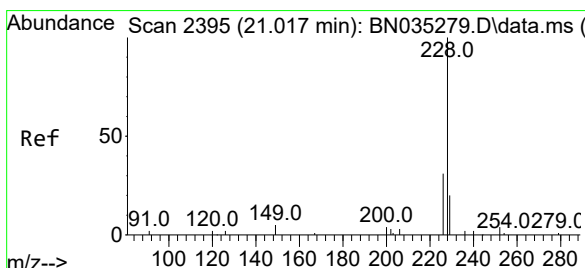
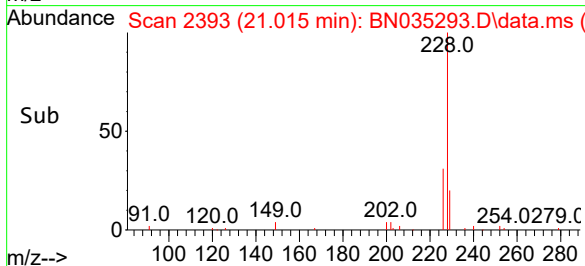
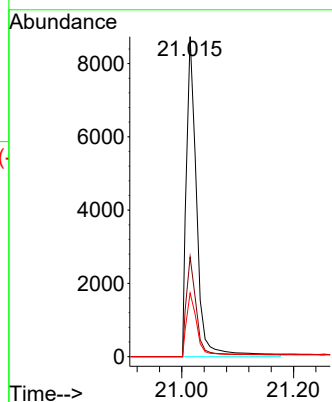
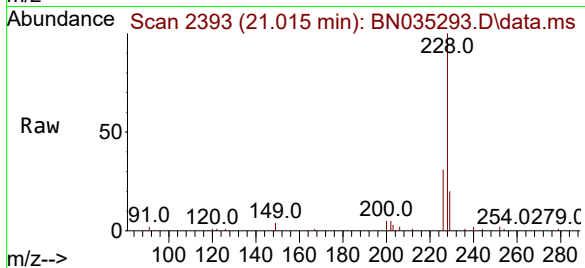
Tgt Ion:228 Resp: 11234

Ion Ratio Lower Upper

228 100

226 31.2 24.7 37.1

229 19.9 16.2 24.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.233 ng

RT: 21.006 min Scan# 2392

Delta R.T. -0.011 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

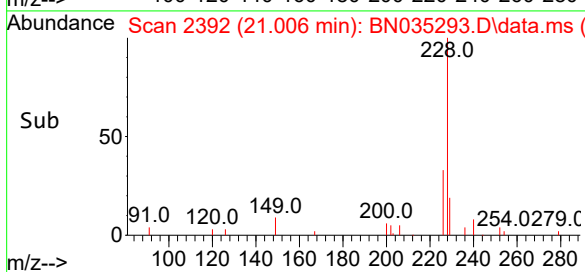
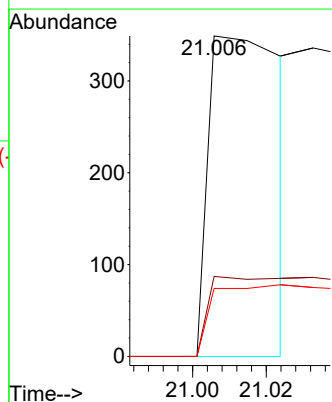
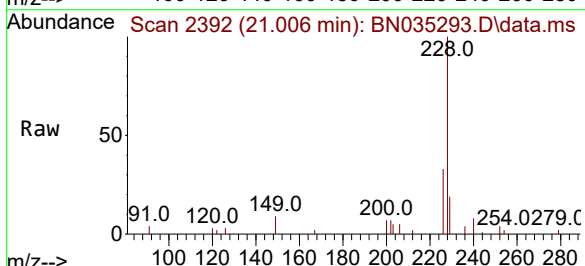
Tgt Ion:149 Resp: 416

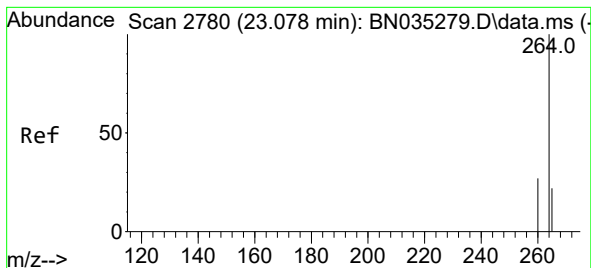
Ion Ratio Lower Upper

149 100

167 77.9 0.0 0.0#

279 31.5 13.0 19.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.078 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

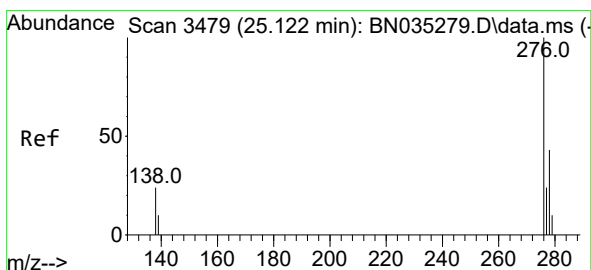
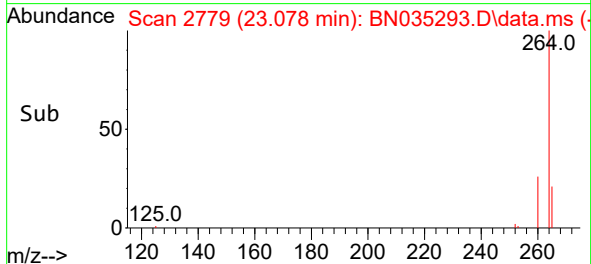
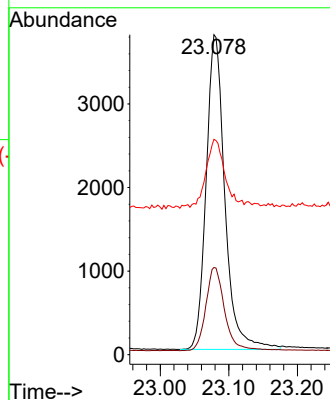
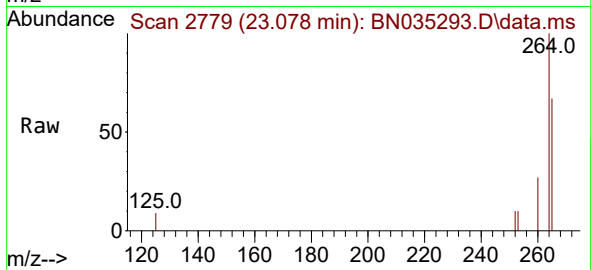
Tgt Ion:264 Resp: 7119

Ion Ratio Lower Upper

264 100

260 27.3 22.3 33.5

265 67.3 68.6 103.0#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.385 ng

RT: 25.119 min Scan# 3477

Delta R.T. -0.002 min

Lab File: BN035293.D

Acq: 25 Nov 2024 23:02

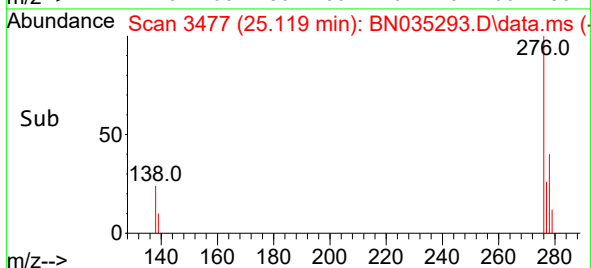
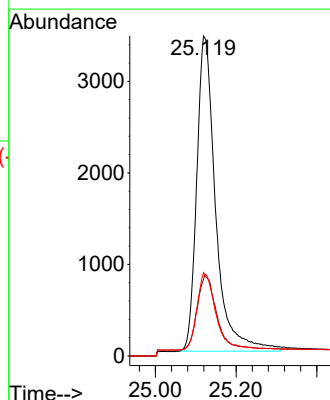
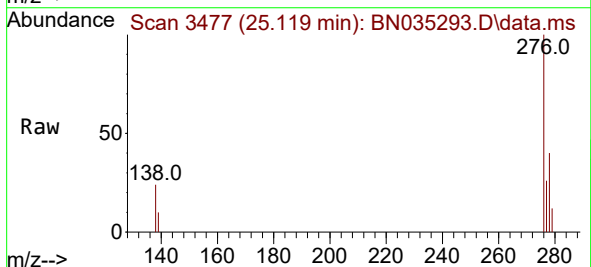
Tgt Ion:276 Resp: 11225

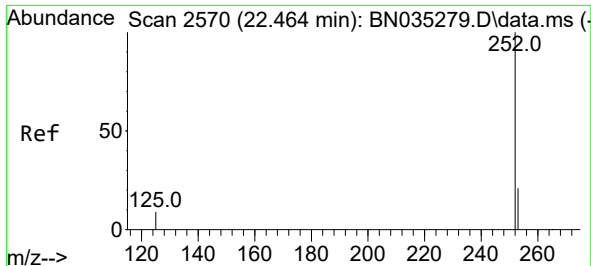
Ion Ratio Lower Upper

276 100

138 23.2 18.8 28.2

277 23.8 18.2 27.4

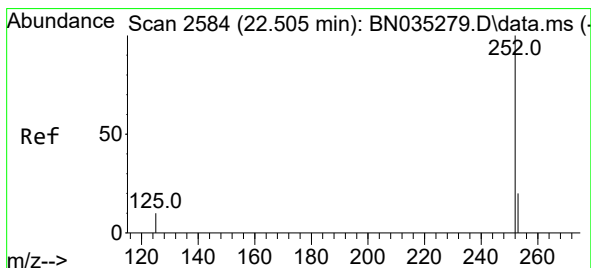
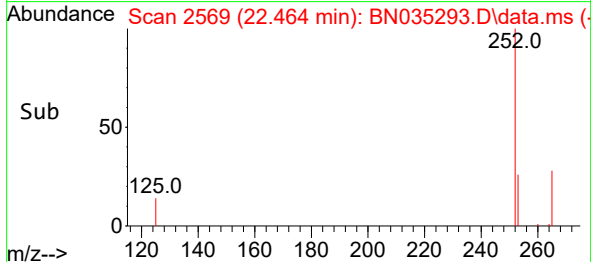
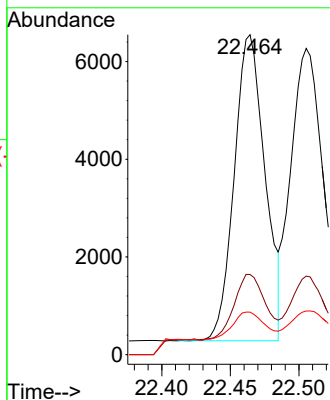
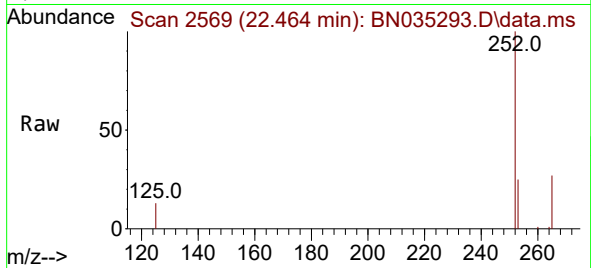




#37
Benzo(b)fluoranthene
Concen: 0.316 ng
RT: 22.464 min Scan# 2570
Delta R.T. 0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

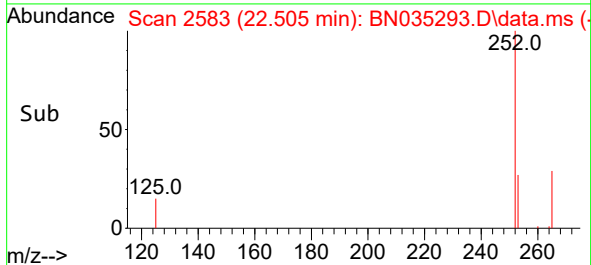
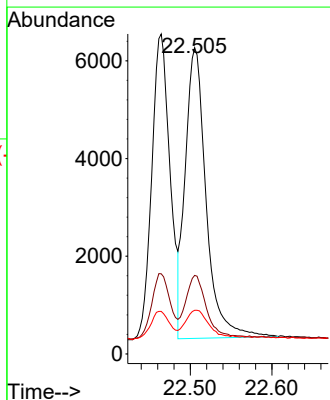
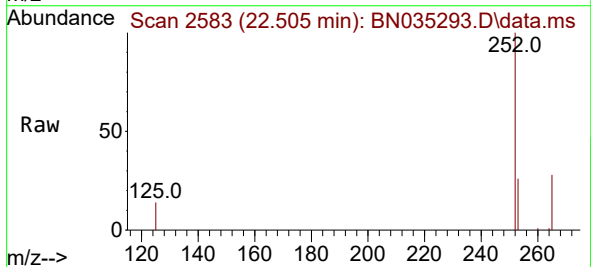
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

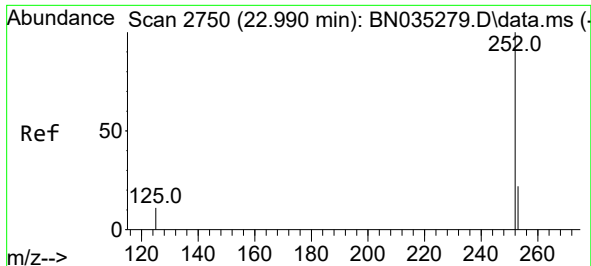
Tgt Ion:252 Resp: 9762
Ion Ratio Lower Upper
252 100
253 25.0 20.2 30.2
125 13.3 12.0 18.0



#38
Benzo(k)fluoranthene
Concen: 0.323 ng
RT: 22.505 min Scan# 2583
Delta R.T. 0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Tgt Ion:252 Resp: 10556
Ion Ratio Lower Upper
252 100
253 25.7 20.1 30.1
125 14.3 12.7 19.1

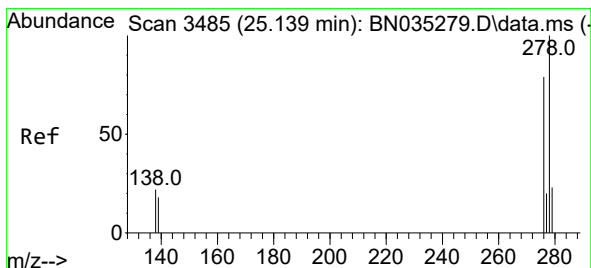
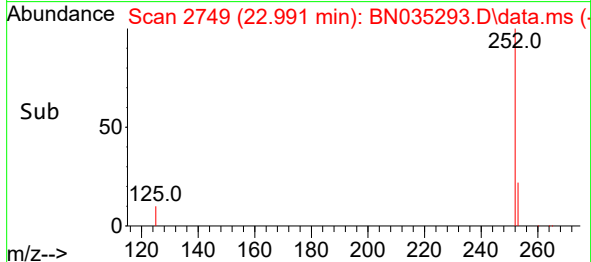
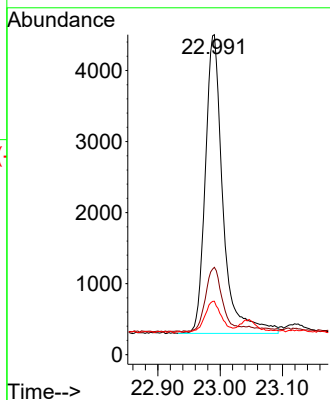
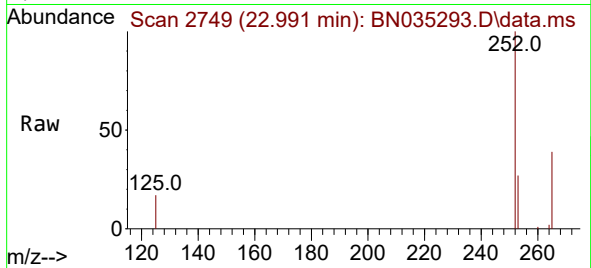




#39
Benzo(a)pyrene
Concen: 0.349 ng
RT: 22.991 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

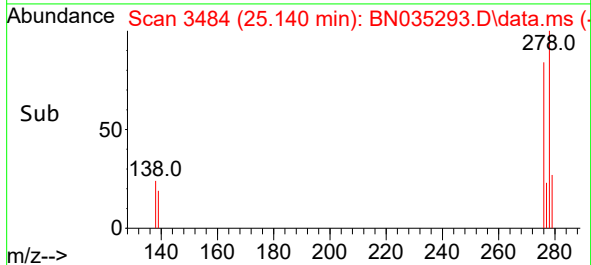
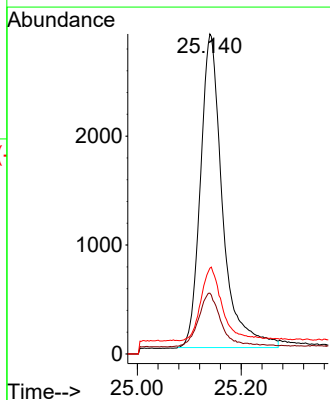
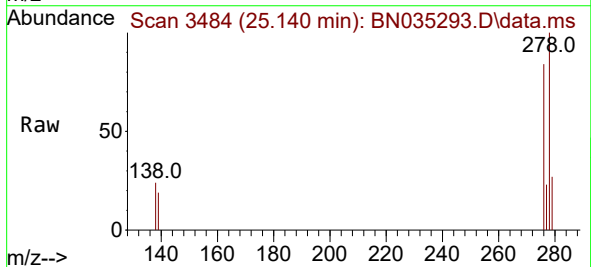
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

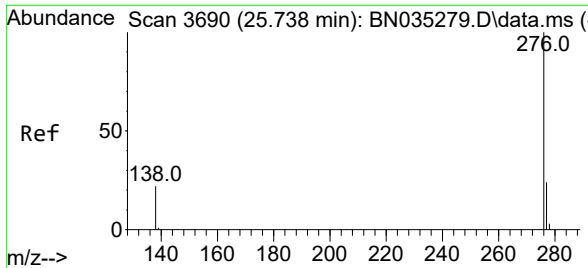
Tgt Ion:252 Resp: 8259
Ion Ratio Lower Upper
252 100
253 27.3 22.3 33.5
125 16.7 15.3 22.9



#40
Dibenzo(a,h)anthracene
Concen: 0.385 ng
RT: 25.140 min Scan# 3484
Delta R.T. 0.000 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

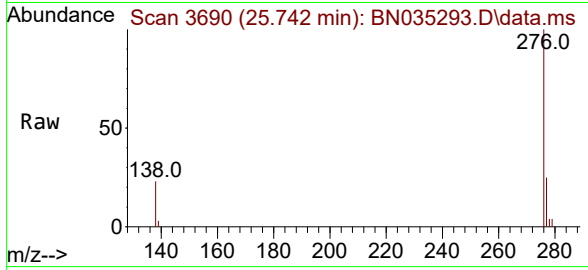
Tgt Ion:278 Resp: 8482
Ion Ratio Lower Upper
278 100
139 19.0 17.0 25.6
279 26.8 23.0 34.4



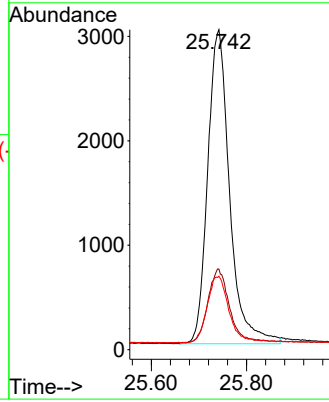
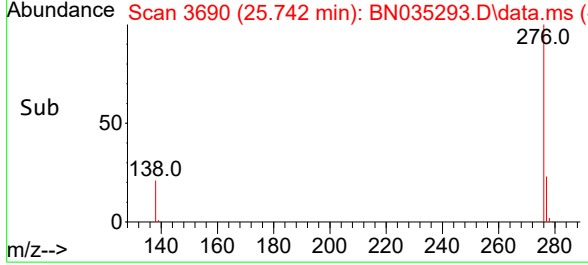


#41
Benzo(g,h,i)perylene
Concen: 0.377 ng
RT: 25.742 min Scan# 30
Delta R.T. 0.003 min
Lab File: BN035293.D
Acq: 25 Nov 2024 23:02

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:	276	Resp:	9609
Ion	Ratio	Lower	Upper
276	100		
277	25.2	21.1	31.7
138	23.0	19.8	29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035297.D
 Acq On : 26 Nov 2024 01:26
 Operator : RC/JU
 Sample : P4959-01
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20241121

Quant Time: Nov 26 02:54:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 02:36:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

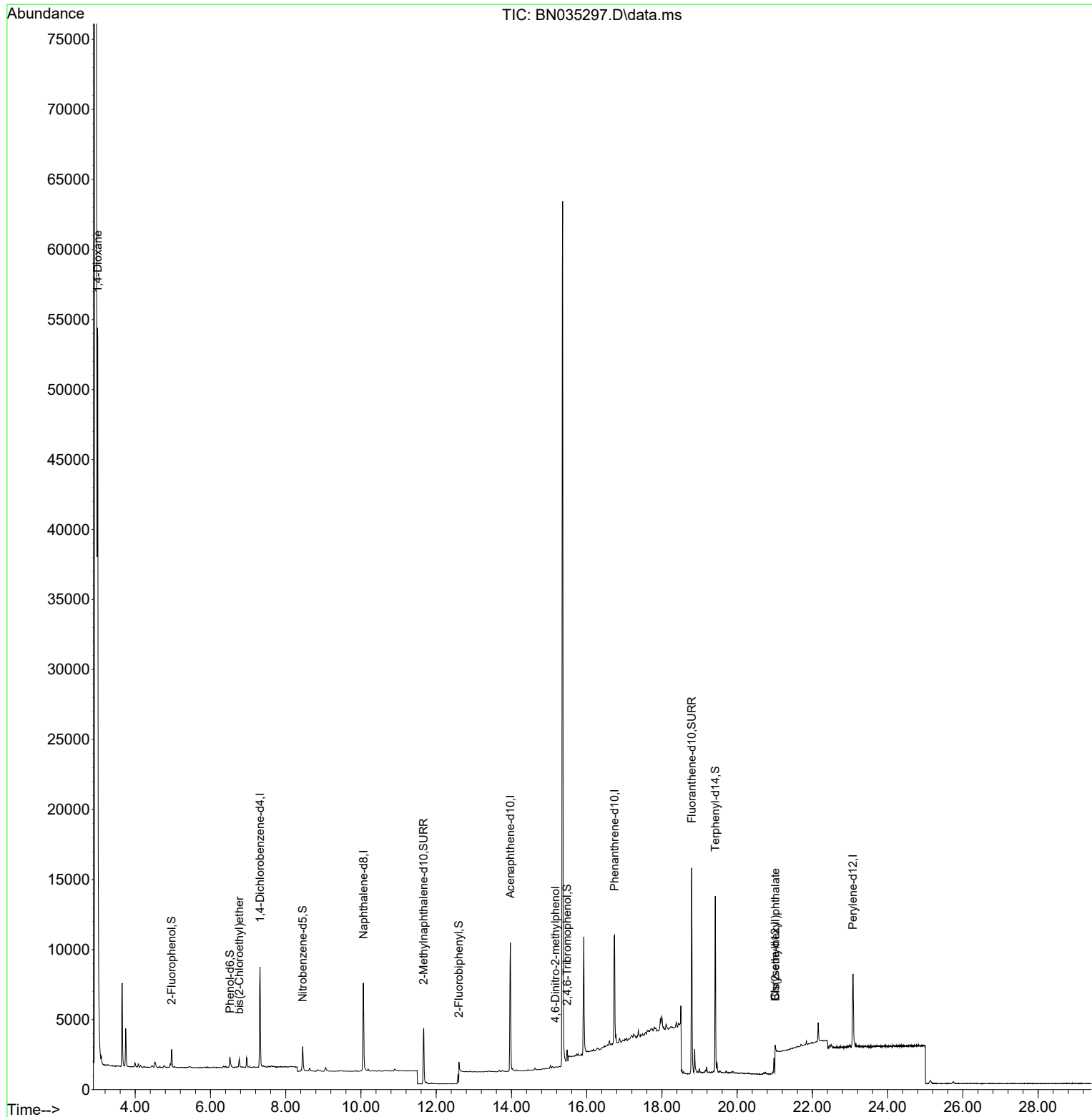
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3474	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	8594	0.400	ng	# 0.00
13) Acenaphthene-d10	13.973	164	5314	0.400	ng	# 0.00
19) Phenanthrene-d10	16.741	188	12516	0.400	ng	# 0.00
29) Chrysene-d12	21.006	240	912	0.400	ng	# 0.00
35) Perylene-d12	23.078	264	6981	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1086	0.165	ng	0.00
5) Phenol-d6	6.521	99	751	0.082	ng	0.00
8) Nitrobenzene-d5	8.451	82	1834	0.263	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	5726	0.476	ng	0.00
14) 2,4,6-Tribromophenol	15.480	330	885	0.326	ng	0.00
15) 2-Fluorobiphenyl	12.604	172	1025	0.349	ng	0.00
27) Fluoranthene-d10	18.790	212	16757	0.500	ng	0.00
31) Terphenyl-d14	19.417	244	12231	0.726	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.003	88	28516	11.419	ng	# 70
6) bis(2-Chloroethyl)ether	6.766	93	518	0.067	ng	96
20) 4,6-Dinitro-2-methylph...	15.170	198	6	0.193	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.015	149	531	0.304	ng	# 62

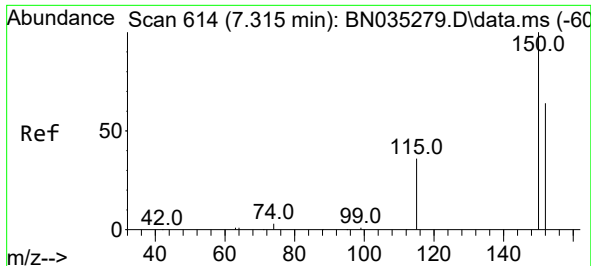
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035297.D
Acq On : 26 Nov 2024 01:26
Operator : RC/JU
Sample : P4959-01
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121

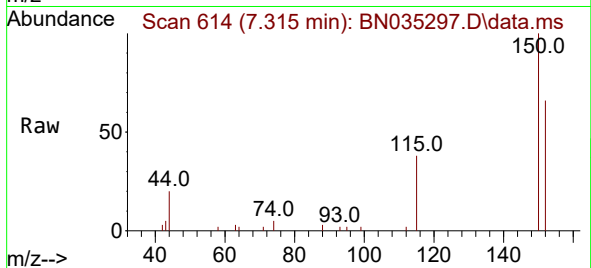
Quant Time: Nov 26 02:54:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration



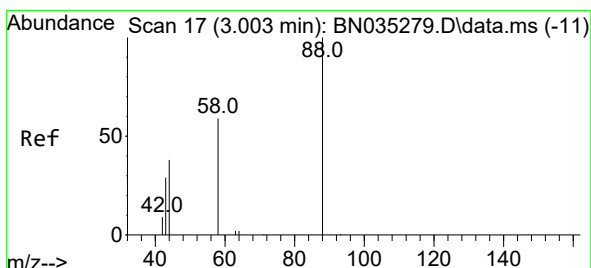
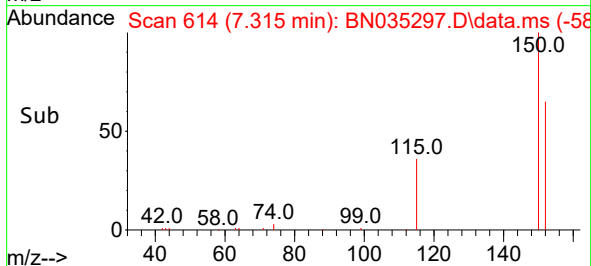
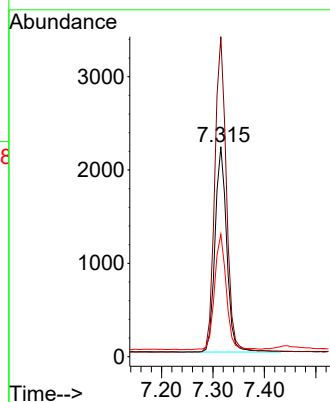


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.315 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN035297.D
 Acq: 26 Nov 2024 01:26

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20241121

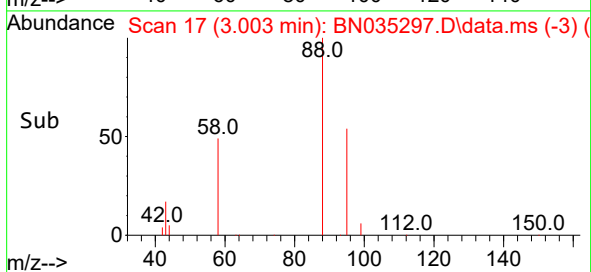
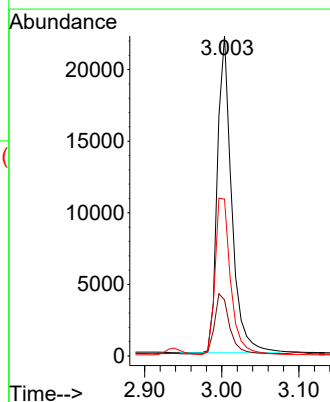
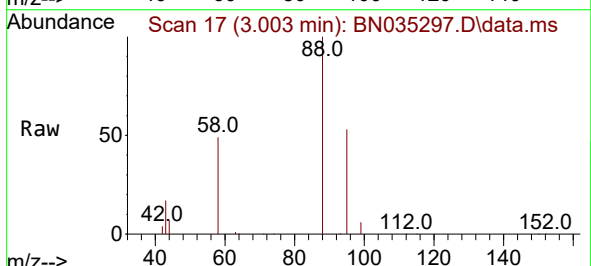


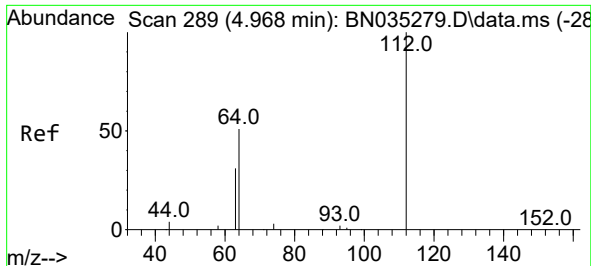
Tgt Ion:152 Resp: 3474
 Ion Ratio Lower Upper
 152 100
 150 152.5 124.5 186.7
 115 58.3 47.8 71.8



#2
 1,4-Dioxane
 Concen: 11.419 ng
 RT: 3.003 min Scan# 17
 Delta R.T. 0.000 min
 Lab File: BN035297.D
 Acq: 26 Nov 2024 01:26

Tgt Ion: 88 Resp: 28516
 Ion Ratio Lower Upper
 88 100
 43 19.7 48.1 72.1#
 58 53.5 46.9 70.3

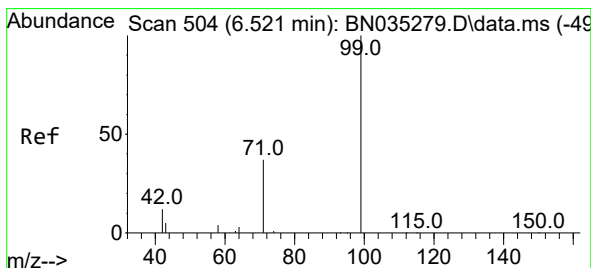
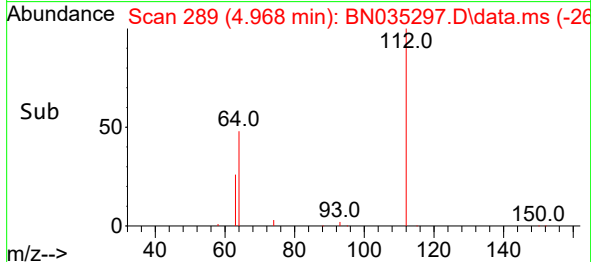
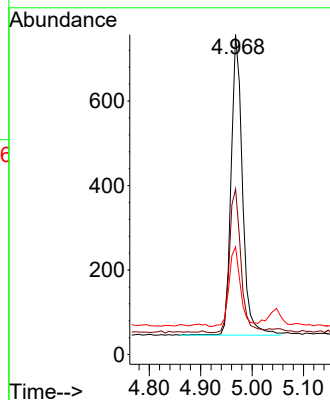
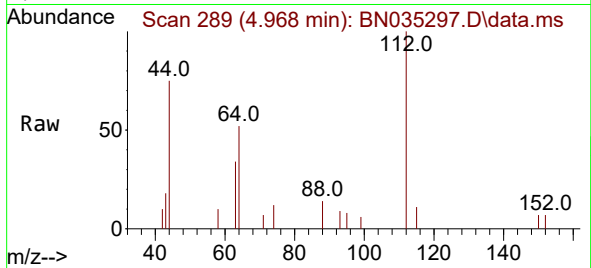




#4
2-Fluorophenol
Concen: 0.165 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

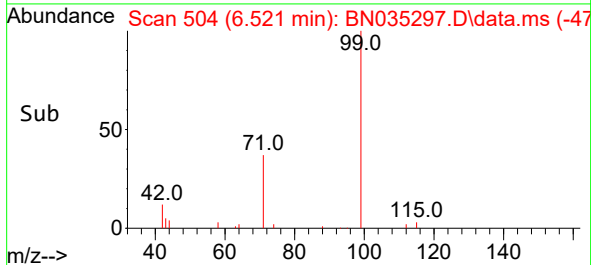
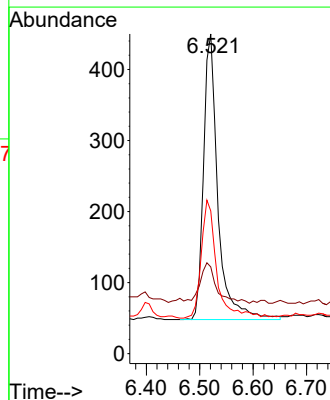
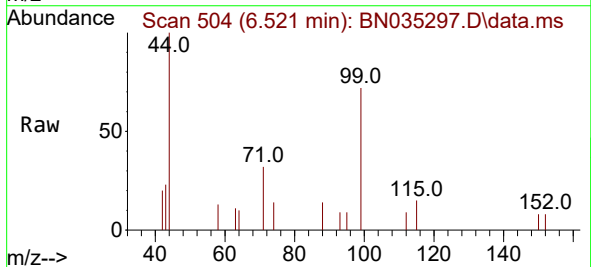
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121

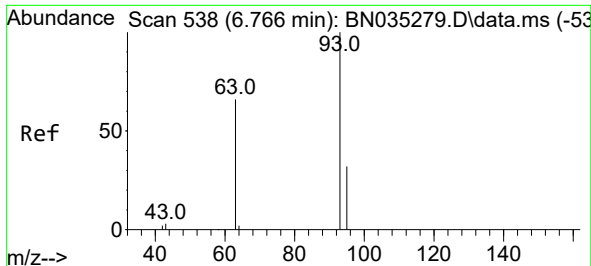
Tgt Ion:112 Resp: 1086
Ion Ratio Lower Upper
112 100
64 48.4 40.4 60.6
63 27.0 23.8 35.8



#5
Phenol-d6
Concen: 0.082 ng
RT: 6.521 min Scan# 504
Delta R.T. 0.000 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Tgt Ion: 99 Resp: 751
Ion Ratio Lower Upper
99 100
42 16.2 12.8 19.2
71 45.0 31.4 47.2

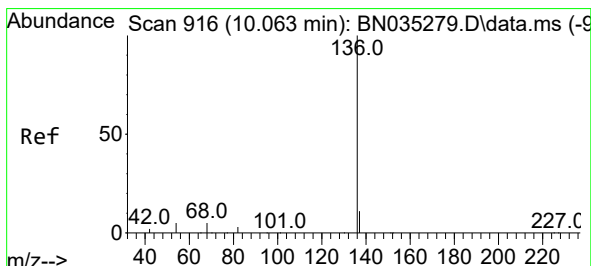
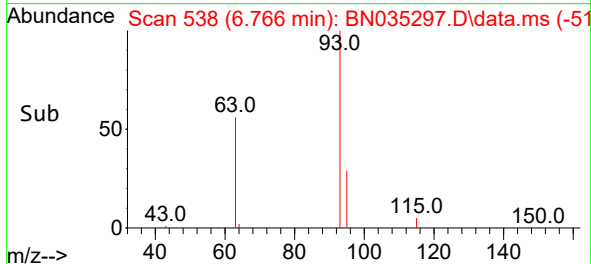
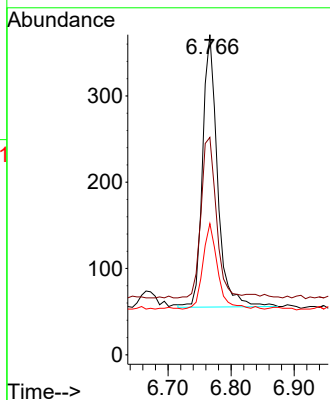
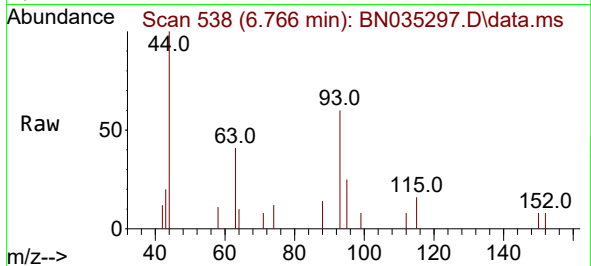




#6
bis(2-Chloroethyl)ether
Concen: 0.067 ng
RT: 6.766 min Scan# 518
Delta R.T. 0.000 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

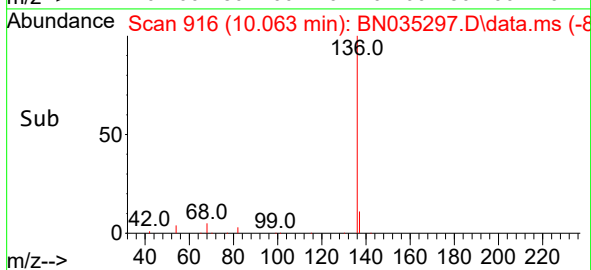
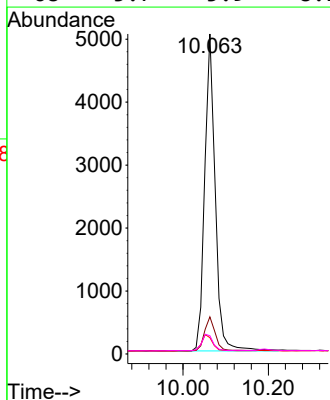
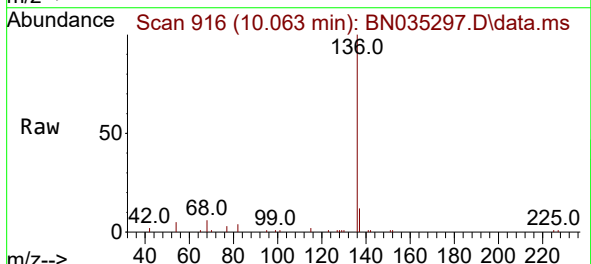
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121

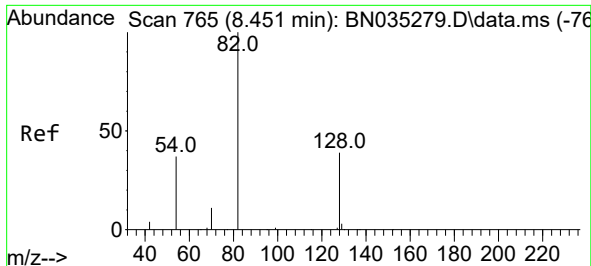
Tgt Ion:	93	Resp:	518
Ion	Ratio	Lower	Upper
93	100		
63	60.4	52.3	78.5
95	31.5	25.5	38.3



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. 0.000 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Tgt Ion:	136	Resp:	8594
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.7	14.5
54	5.1	5.3	7.9#
68	5.7	5.9	8.9#

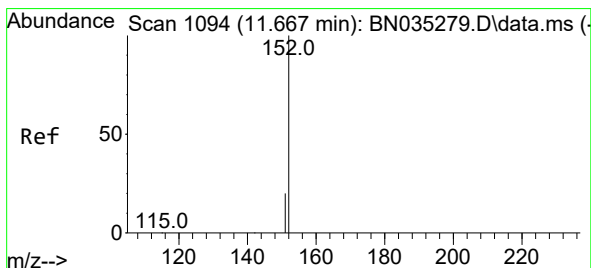
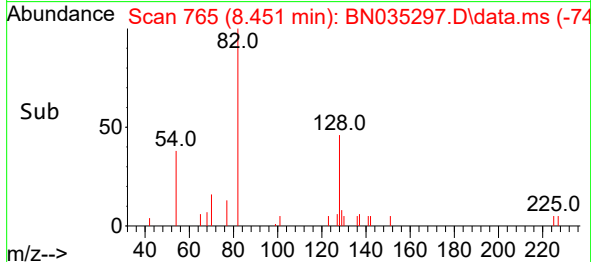
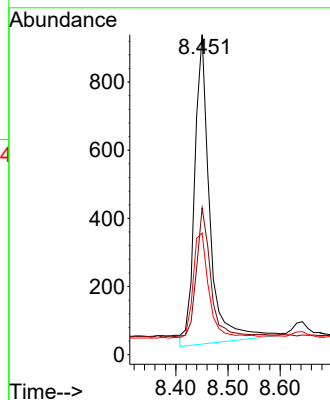
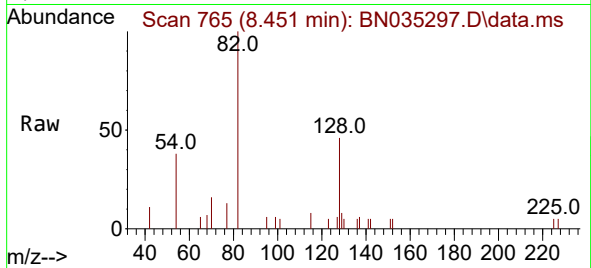




#8
Nitrobenzene-d5
Concen: 0.263 ng
RT: 8.451 min Scan# 765
Delta R.T. 0.000 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

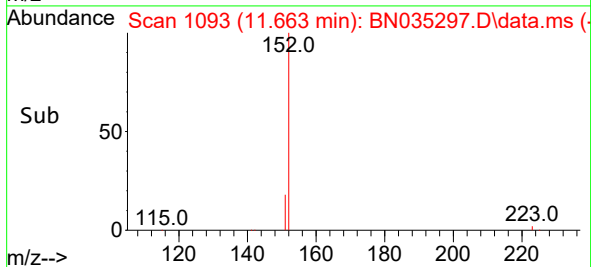
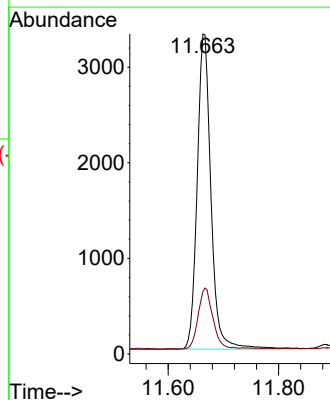
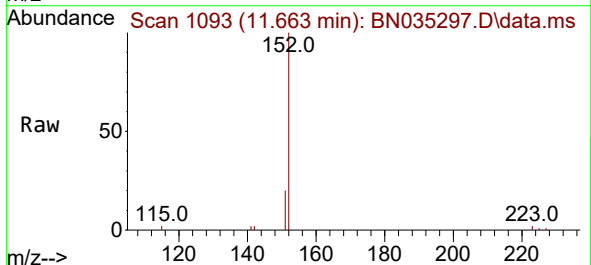
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121

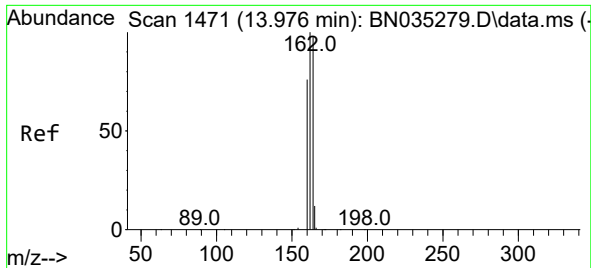
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.9	33.0	49.4
54	38.0	33.3	49.9



#11
2-Methylnaphthalene-d10
Concen: 0.476 ng
RT: 11.663 min Scan# 1093
Delta R.T. -0.004 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	17.2	25.8

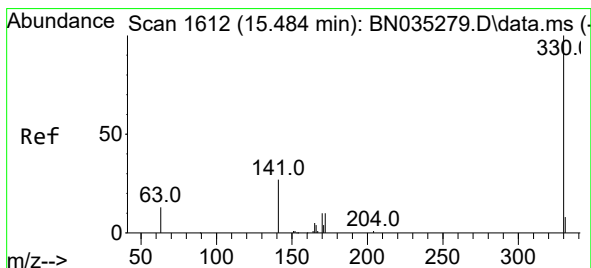
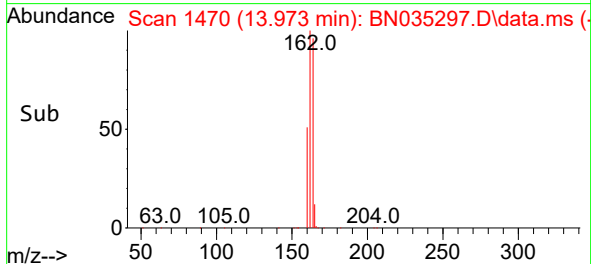
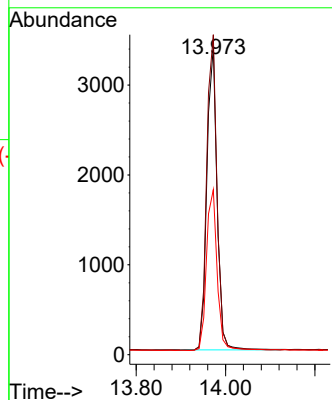
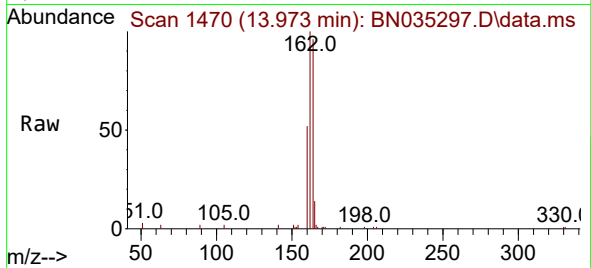




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.973 min Scan# 1470
Delta R.T. -0.004 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

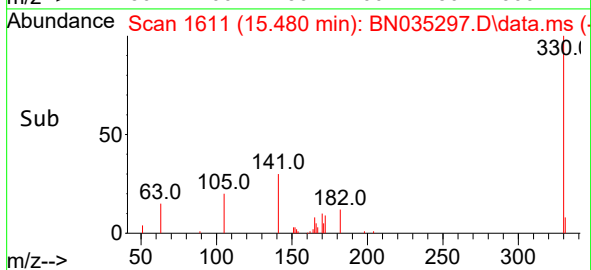
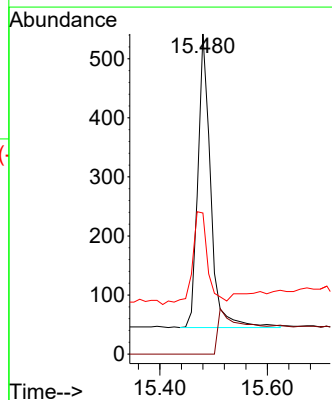
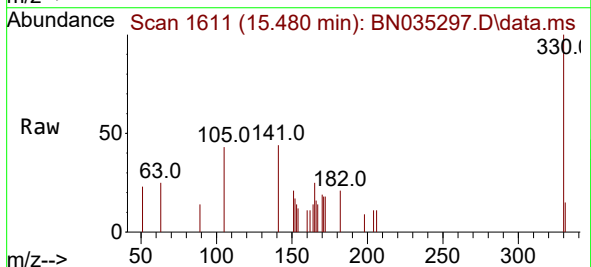
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121

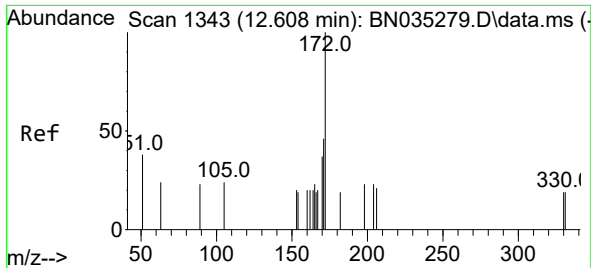
Tgt Ion:164 Resp: 5314
Ion Ratio Lower Upper
164 100
162 103.9 82.0 123.0
160 53.6 63.0 94.4#



#14
2,4,6-Tribromophenol
Concen: 0.326 ng
RT: 15.480 min Scan# 1611
Delta R.T. -0.004 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Tgt Ion:330 Resp: 885
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 35.4 32.4 48.6

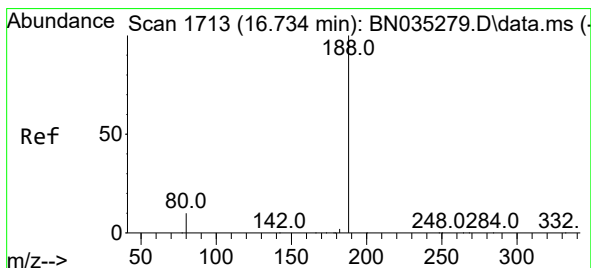
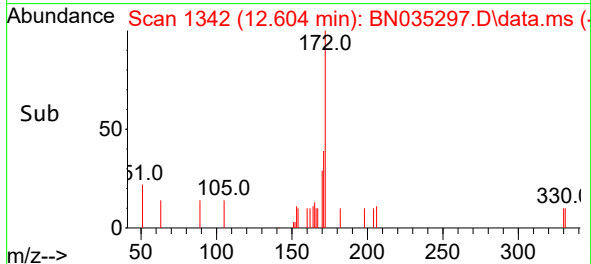
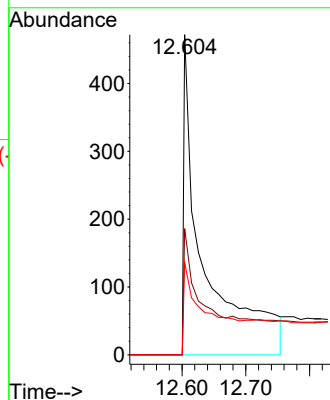
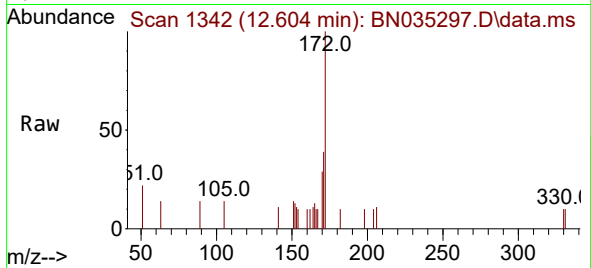




#15
2-Fluorobiphenyl
Concen: 0.349 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

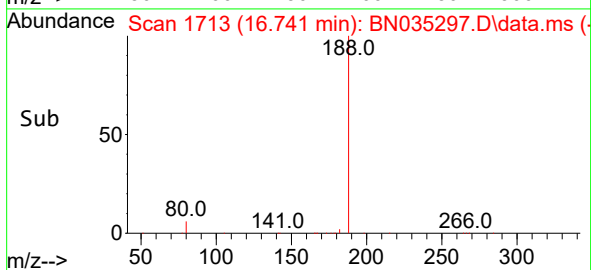
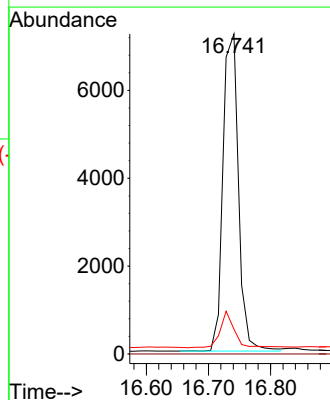
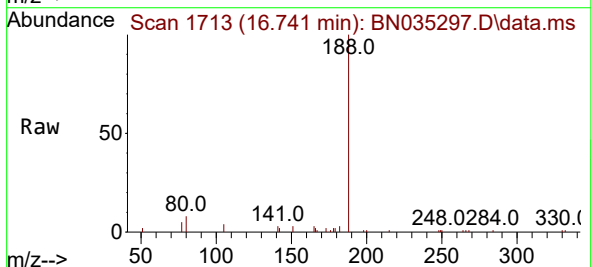
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121

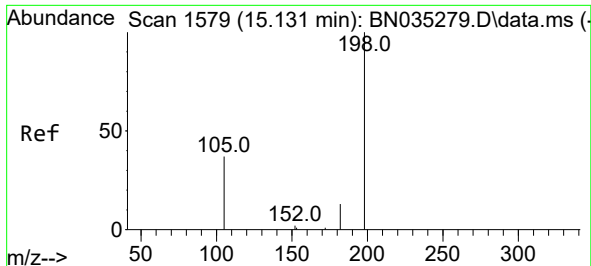
Tgt Ion:172 Resp: 1025
Ion Ratio Lower Upper
172 100
171 39.4 36.6 55.0
170 28.8 29.7 44.5#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.741 min Scan# 1713
Delta R.T. 0.007 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Tgt Ion:188 Resp: 12516
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.8 8.9 13.3#

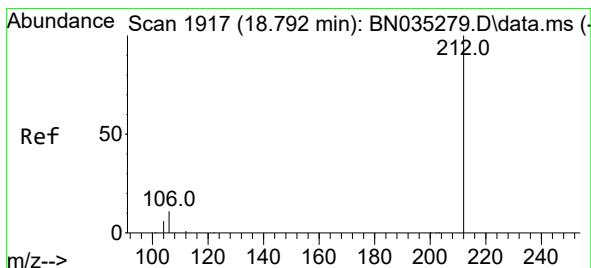
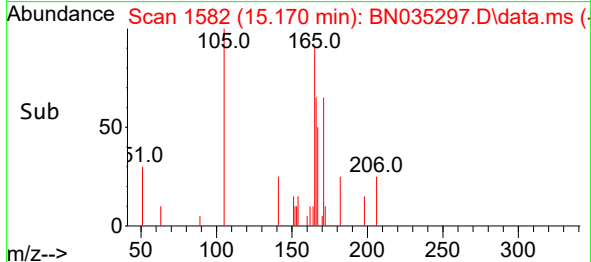
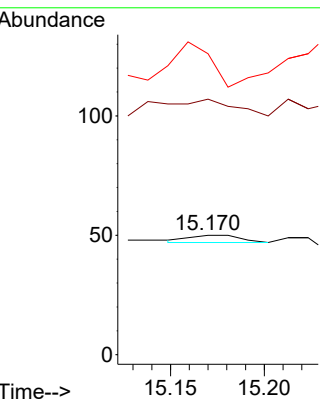
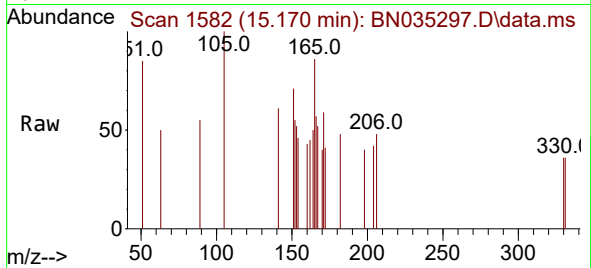




#20
4,6-Dinitro-2-methylphenol
Concen: 0.193 ng
RT: 15.170 min Scan# 1582
Delta R.T. 0.039 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

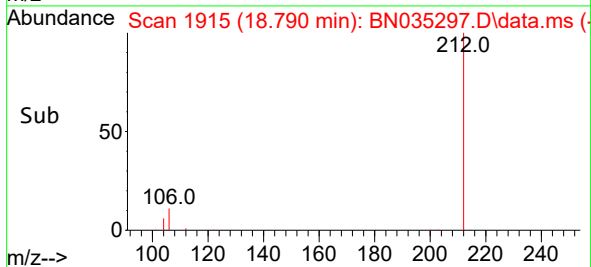
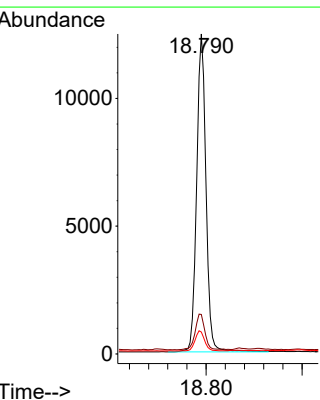
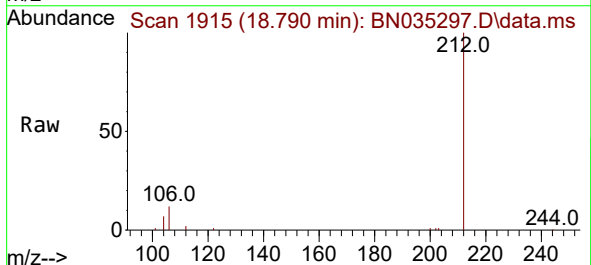
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121

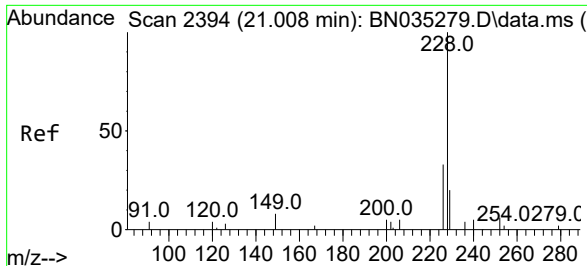
Tgt Ion:198 Resp: 6
Ion Ratio Lower Upper
198 100
51 214.0 53.6 80.4#
105 252.0 47.4 71.2#



#27
Fluoranthene-d10
Concen: 0.500 ng
RT: 18.790 min Scan# 1915
Delta R.T. -0.002 min
Lab File: BN035297.D
Acq: 26 Nov 2024 01:26

Tgt Ion:212 Resp: 16757
Ion Ratio Lower Upper
212 100
106 11.8 9.8 14.8
104 6.4 5.6 8.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.006 min Scan# 21

Delta R.T. -0.002 min

Lab File: BN035297.D

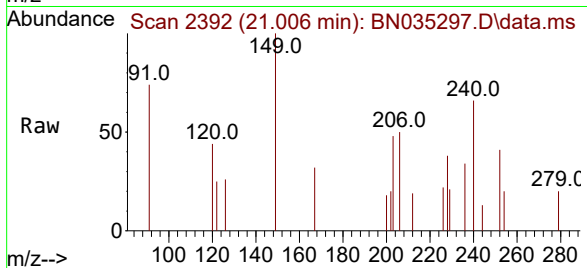
Acq: 26 Nov 2024 01:26

Instrument :

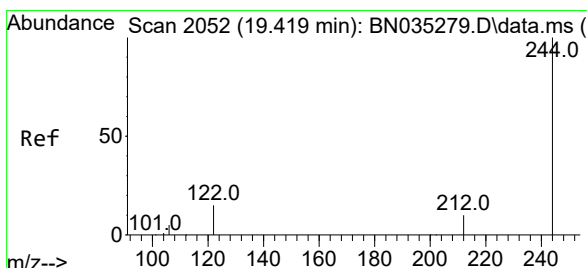
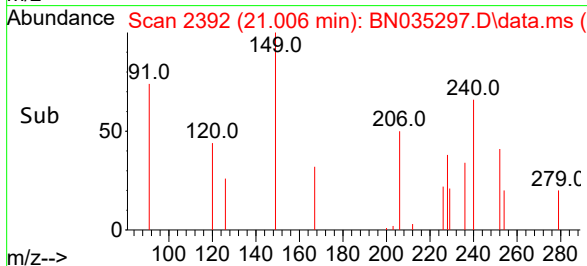
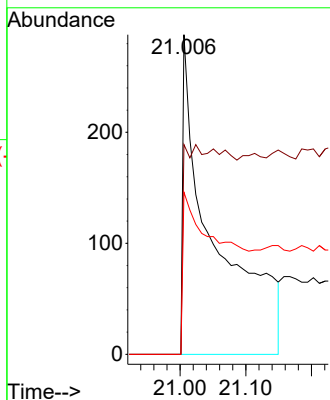
BNA_N

ClientSampleId :

RW5-SP100-20241121



Tgt Ion:	240	Resp:	912
Ion Ratio	Lower	Upper	
240	100		
120	65.6	54.9	82.3
236	50.7	54.0	81.0#



#31

Terphenyl-d14

Concen: 0.726 ng

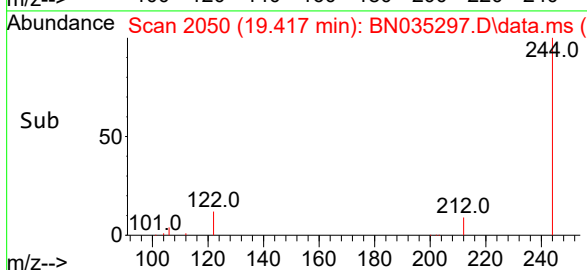
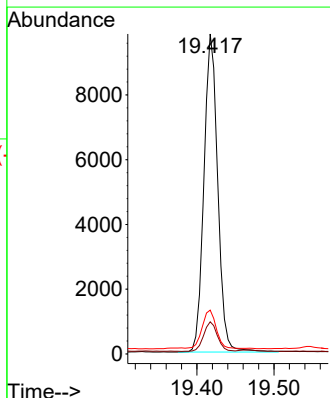
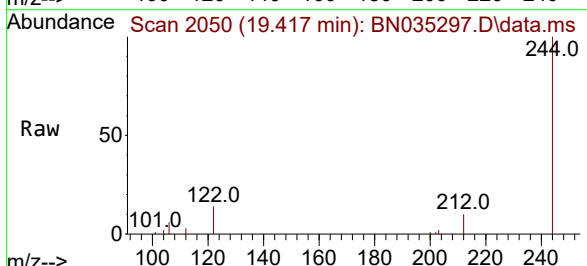
RT: 19.417 min Scan# 2050

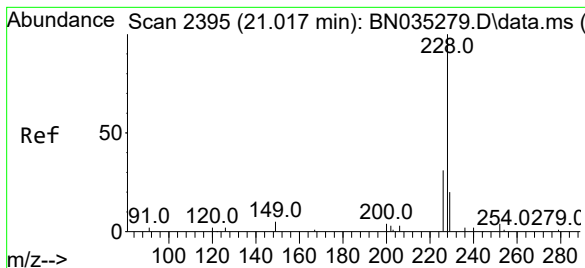
Delta R.T. -0.002 min

Lab File: BN035297.D

Acq: 26 Nov 2024 01:26

Tgt Ion:	244	Resp:	12231
Ion Ratio	Lower	Upper	
244	100		
212	10.0	9.4	14.0
122	13.7	13.0	19.4

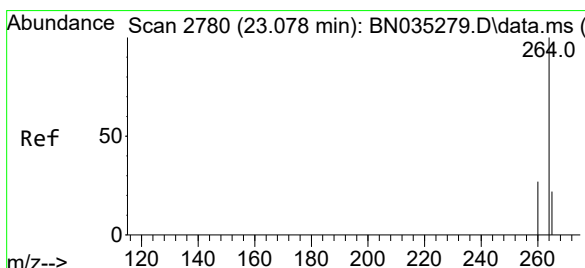
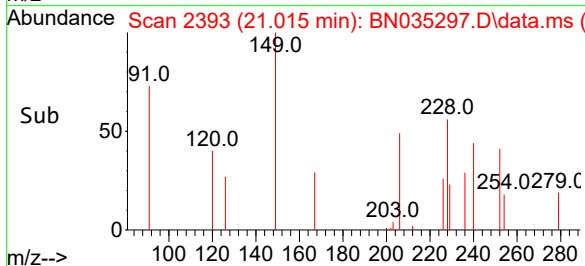
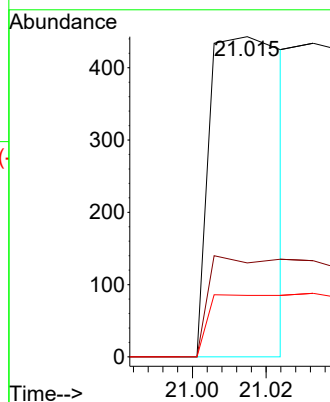
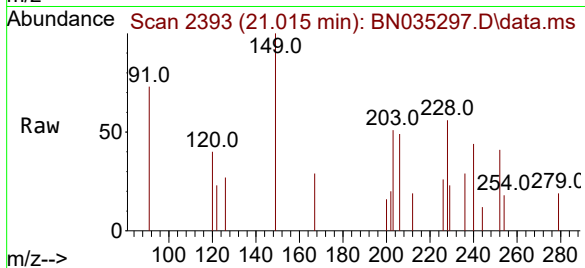




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.304 ng
 RT: 21.015 min Scan# 2100
 Delta R.T. -0.002 min
 Lab File: BN035297.D
 Acq: 26 Nov 2024 01:26

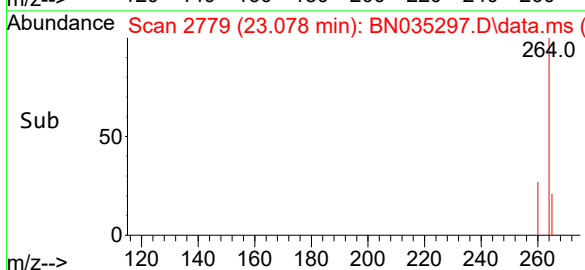
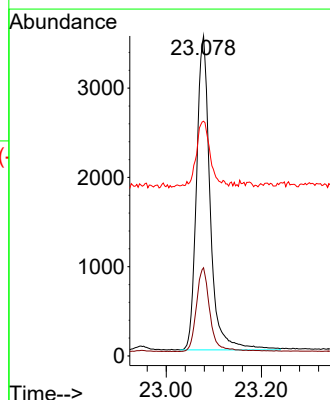
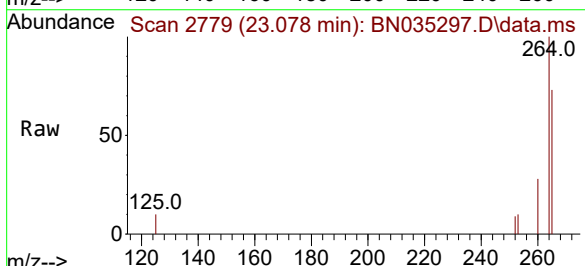
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20241121

Tgt Ion:149 Resp: 531
 Ion Ratio Lower Upper
 149 100
 167 56.5 0.0 0.0#
 279 0.0 13.0 19.6#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.078 min Scan# 2779
 Delta R.T. 0.001 min
 Lab File: BN035297.D
 Acq: 26 Nov 2024 01:26

Tgt Ion:264 Resp: 6981
 Ion Ratio Lower Upper
 264 100
 260 27.5 22.3 33.5
 265 73.4 68.6 103.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035298.D
 Acq On : 26 Nov 2024 02:02
 Operator : RC/JU
 Sample : P4959-02
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP201-20241121

Quant Time: Nov 26 03:32:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 02:36:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

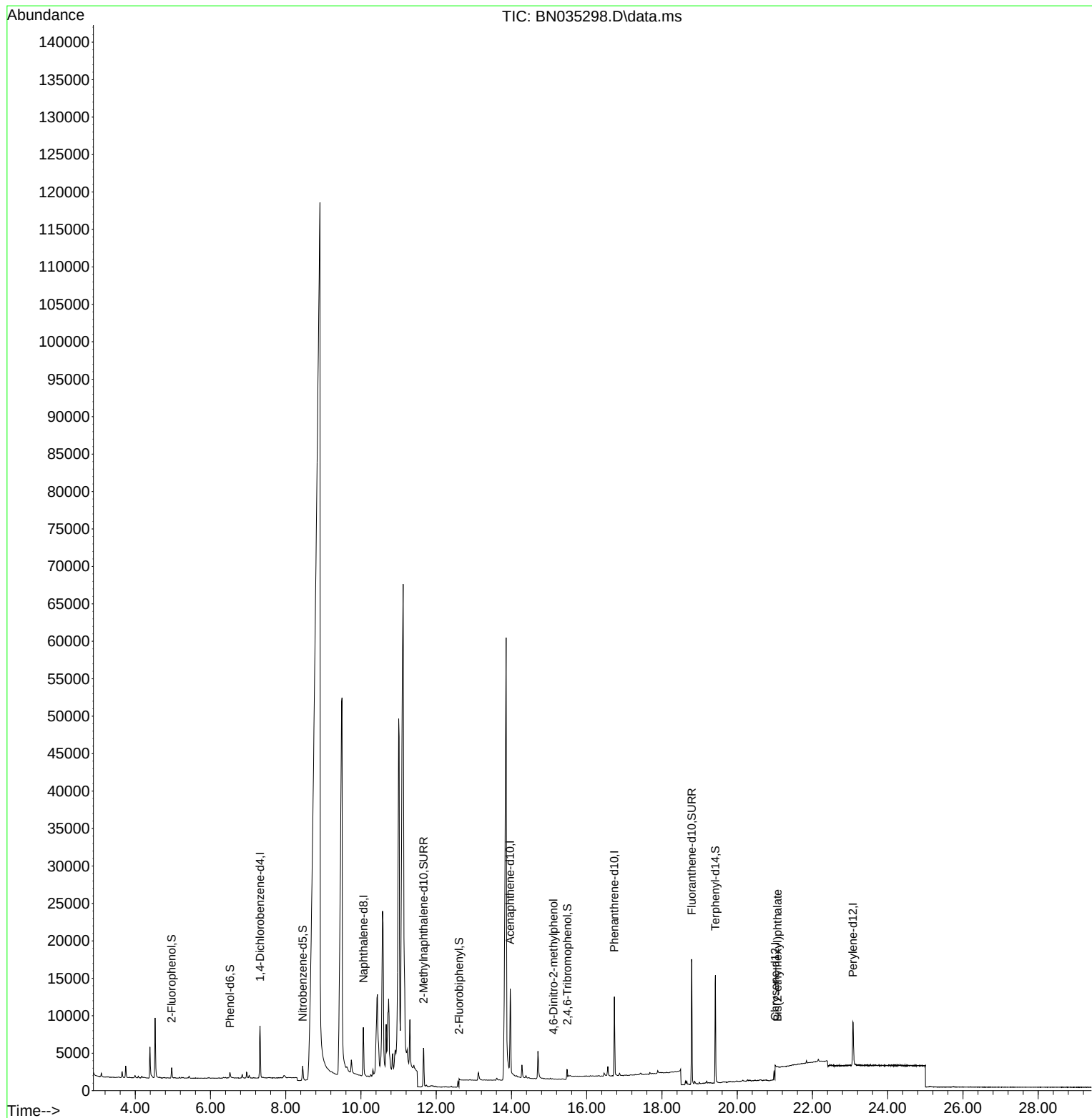
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3353	0.400	ng	0.00
7) Naphthalene-d8	10.062	136	8974	0.400	ng	0.00
13) Acenaphthene-d10	13.965	164	7827	0.400	ng	#-0.01
19) Phenanthrene-d10	16.734	188	12956	0.400	ng	0.00
29) Chrysene-d12	21.008	240	823	0.400	ng	# 0.00
35) Perylene-d12	23.075	264	7685	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1124	0.177	ng	0.00
5) Phenol-d6	6.520	99	772	0.087	ng	0.00
8) Nitrobenzene-d5	8.450	82	1804	0.248	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	6842	0.545	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	1237	0.310	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	373	0.086	ng	0.00
27) Fluoranthene-d10	18.787	212	18292	0.528	ng	0.00
31) Terphenyl-d14	19.419	244	13926	0.916	ng	0.00
Target Compounds						
20) 4,6-Dinitro-2-methylph...	15.120	198	3	0.192	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.071	149	2245	1.426	ng	# 62

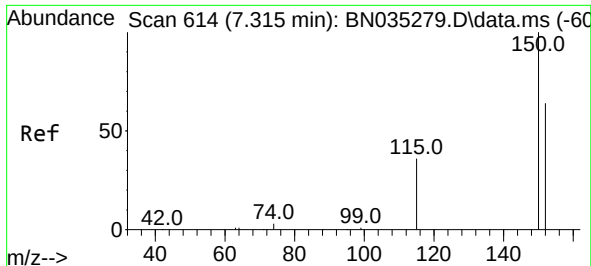
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035298.D
Acq On : 26 Nov 2024 02:02
Operator : RC/JU
Sample : P4959-02
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20241121

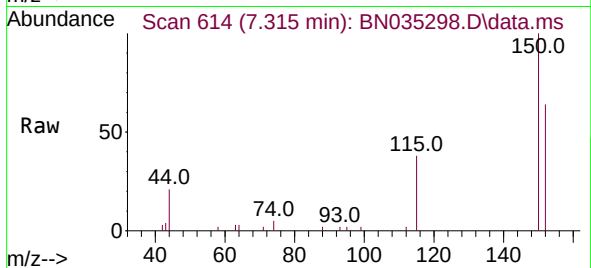
Quant Time: Nov 26 03:32:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration



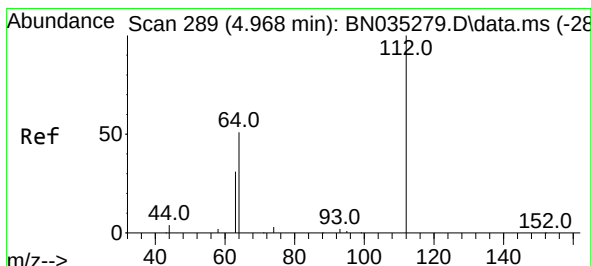
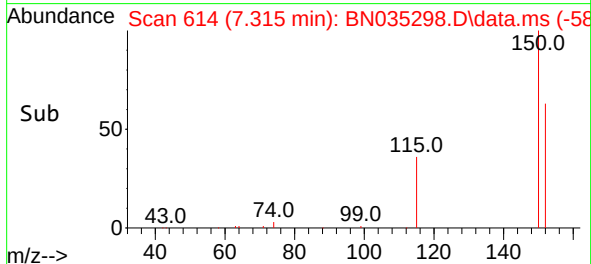
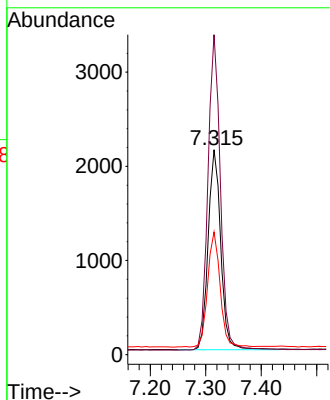


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 614
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20241121

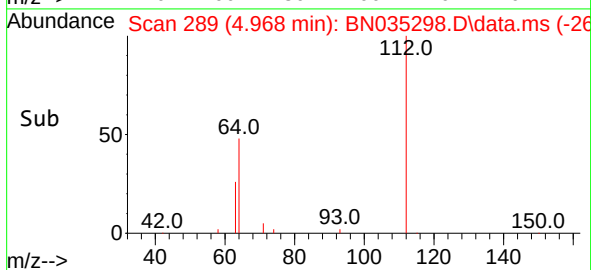
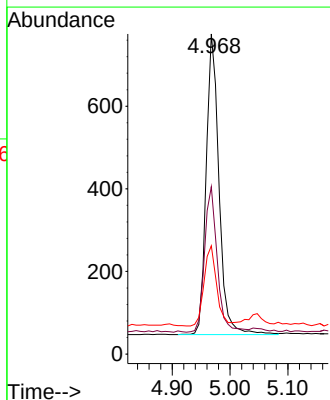
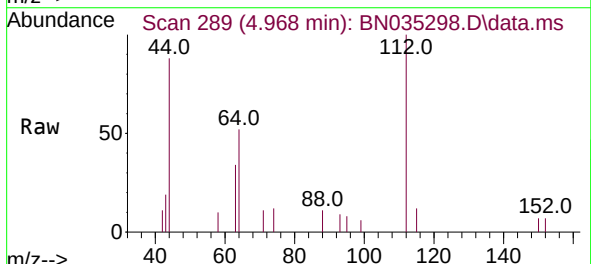


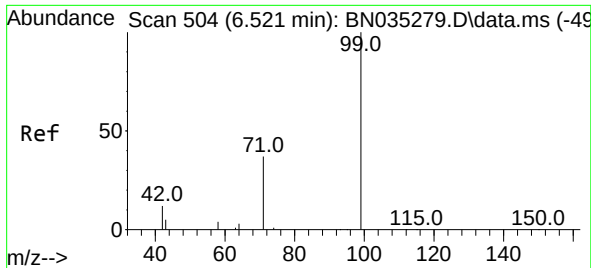
Tgt Ion:152 Resp: 3353
Ion Ratio Lower Upper
152 100
150 156.1 124.5 186.7
115 59.9 47.8 71.8



#4
2-Fluorophenol
Concen: 0.177 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

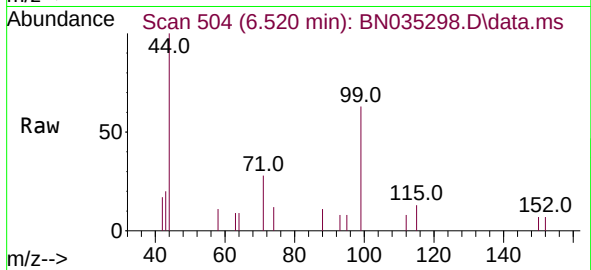
Tgt Ion:112 Resp: 1124
Ion Ratio Lower Upper
112 100
64 48.0 40.4 60.6
63 26.2 23.8 35.8





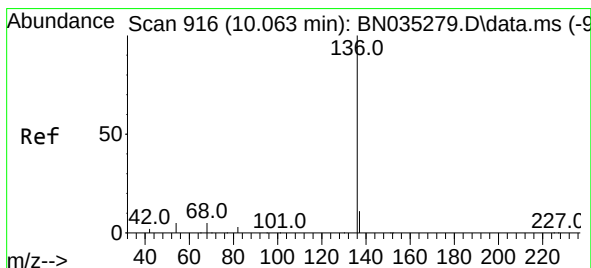
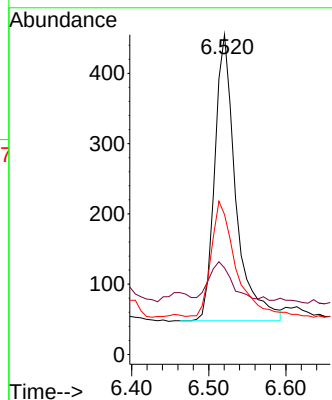
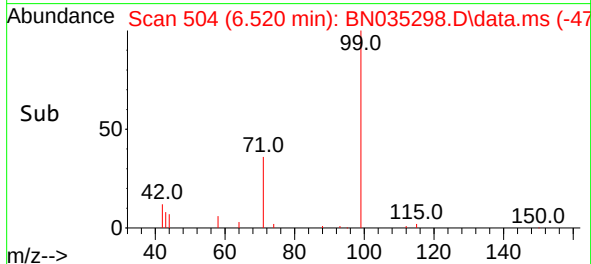
#5
Phenol-d6
Concen: 0.087 ng
RT: 6.520 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20241121

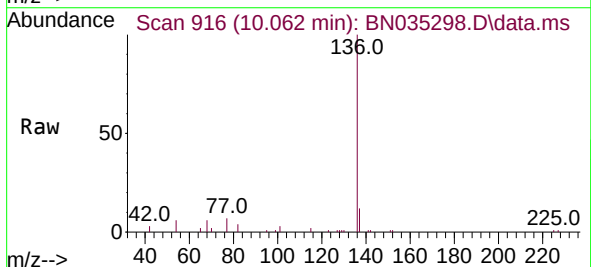


Tgt Ion: 99 Resp: 772

Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.8	19.2
71	48.4	31.4	47.2

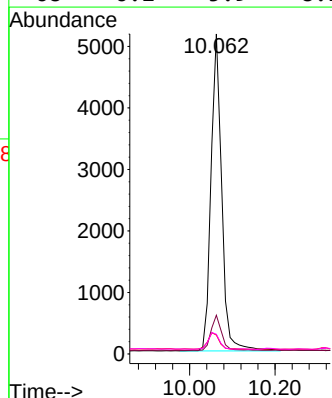
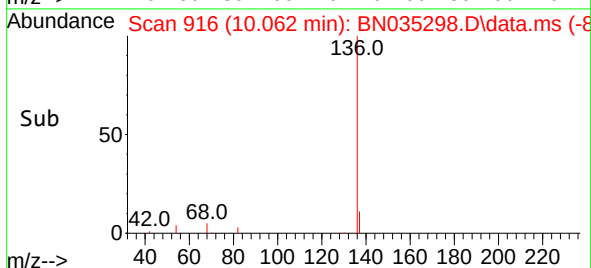


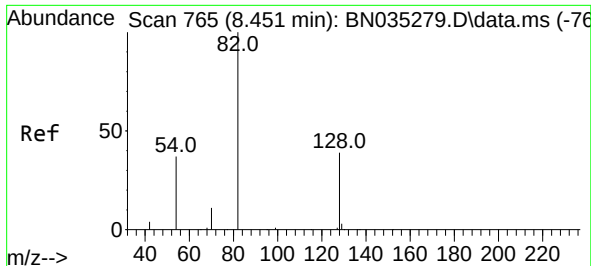
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.062 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02



Tgt Ion: 136 Resp: 8974

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	5.9	5.3	7.9
68	6.2	5.9	8.9





#8
 Nitrobenzene-d5
 Concen: 0.248 ng
 RT: 8.450 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: BN035298.D
 Acq: 26 Nov 2024 02:02

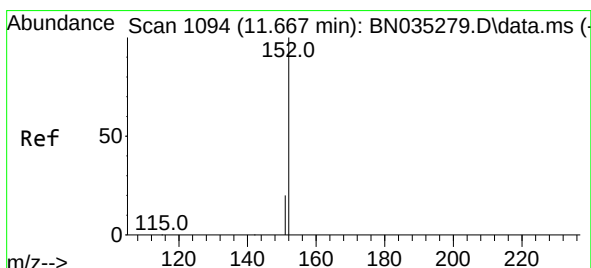
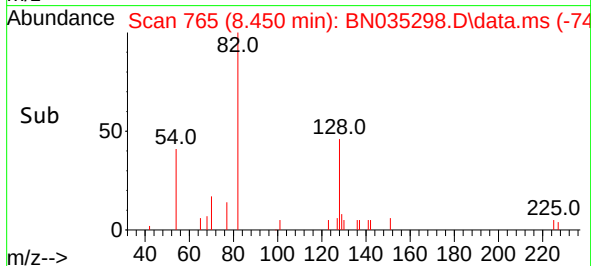
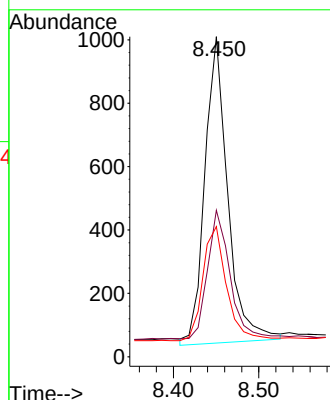
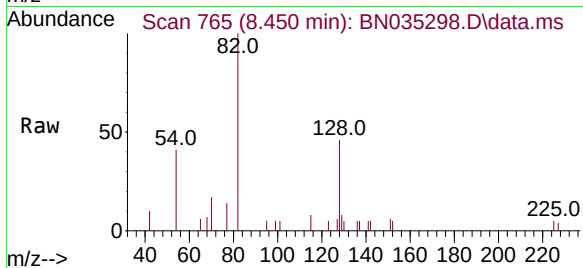
Instrument :

BNA_N

ClientSampleId :

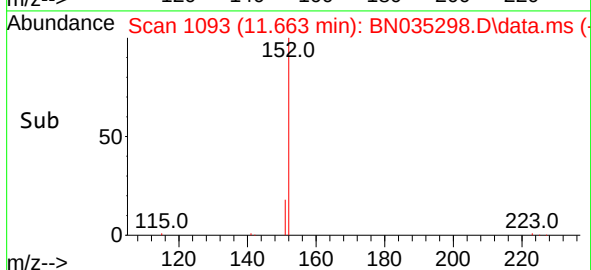
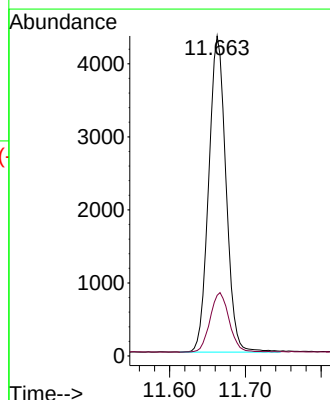
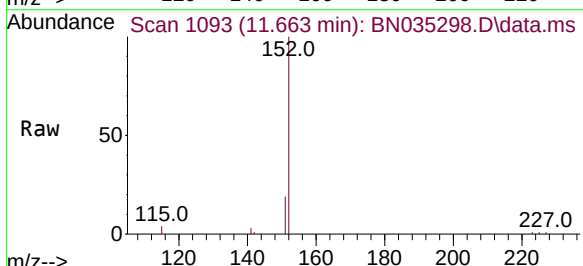
RW5-SP201-20241121

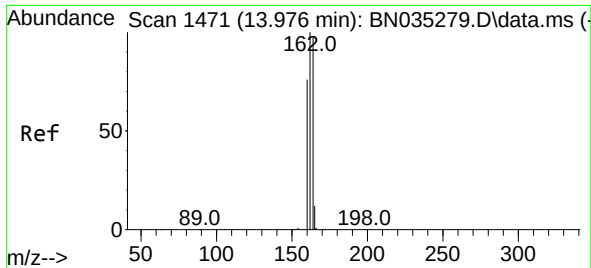
Tgt Ion: 82 Resp: 1804
 Ion Ratio Lower Upper
 82 100
 128 45.7 33.0 49.4
 54 40.7 33.3 49.9



#11
 2-Methylnaphthalene-d10
 Concen: 0.545 ng
 RT: 11.663 min Scan# 1093
 Delta R.T. -0.004 min
 Lab File: BN035298.D
 Acq: 26 Nov 2024 02:02

Tgt Ion: 152 Resp: 6842
 Ion Ratio Lower Upper
 152 100
 151 20.8 17.2 25.8

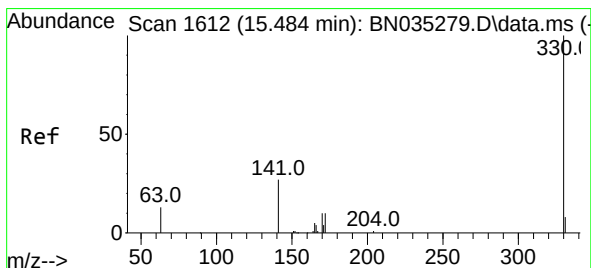
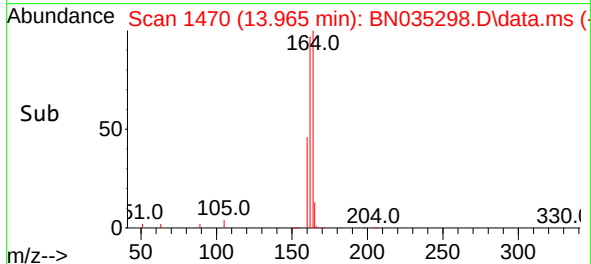
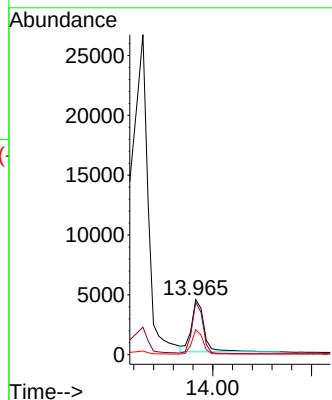
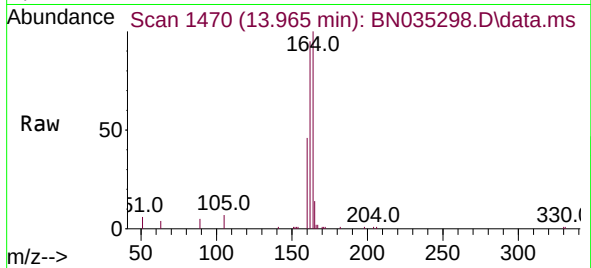




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.965 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

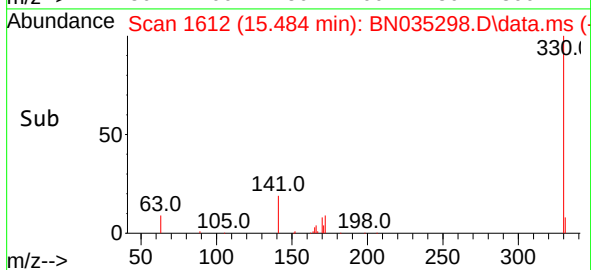
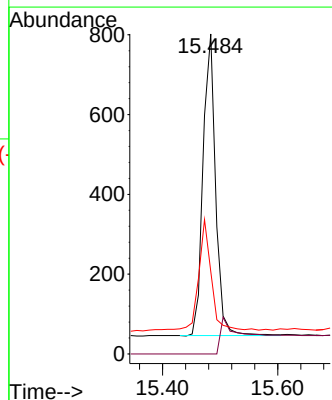
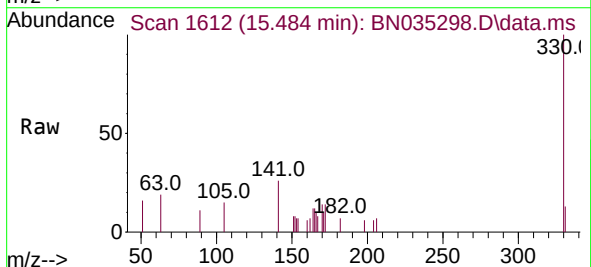
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20241121

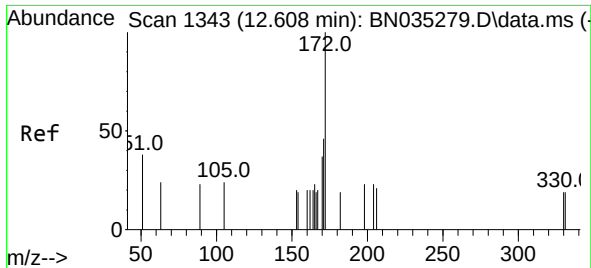
Tgt Ion:164 Resp: 7827
Ion Ratio Lower Upper
164 100
162 95.1 82.0 123.0
160 45.6 63.0 94.4#



#14
2,4,6-Tribromophenol
Concen: 0.310 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

Tgt Ion:330 Resp: 1237
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 37.5 32.4 48.6

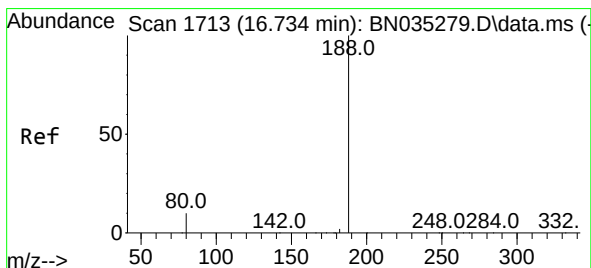
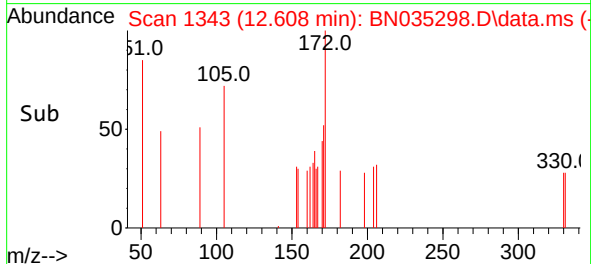
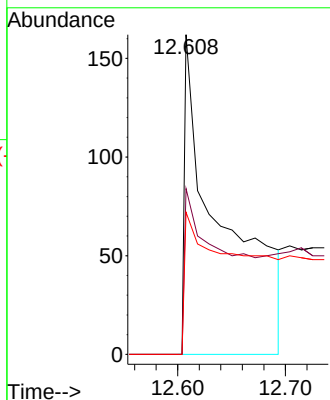
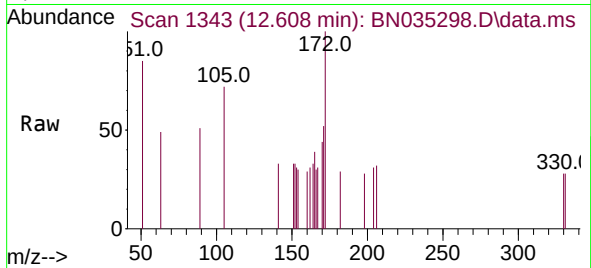




#15
2-Fluorobiphenyl
Concen: 0.086 ng
RT: 12.608 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

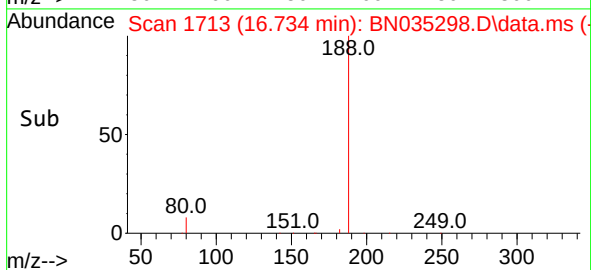
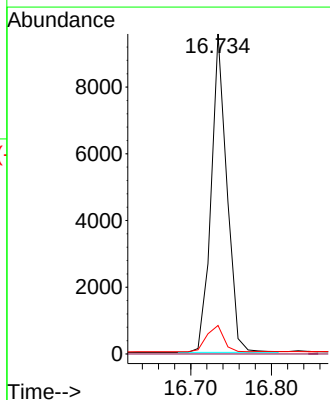
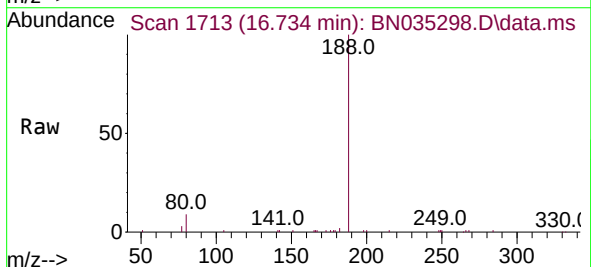
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20241121

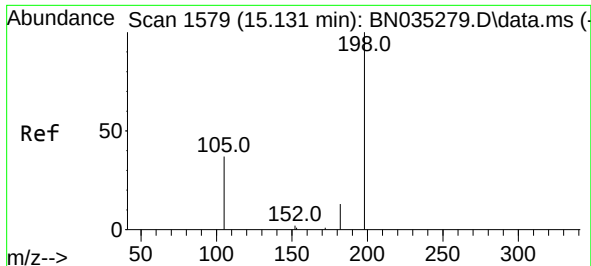
Tgt Ion:	172	Resp:	373
Ion Ratio	Lower	Upper	
172	100		
171	51.9	36.6	55.0
170	44.4	29.7	44.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

Tgt Ion:	188	Resp:	12956
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.9	8.9	13.3

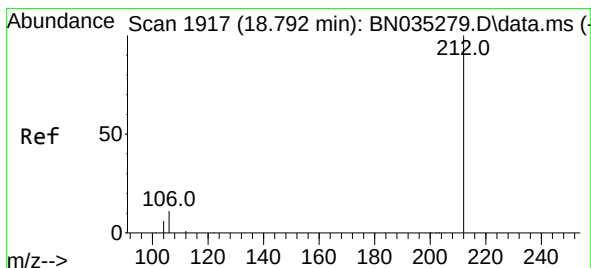
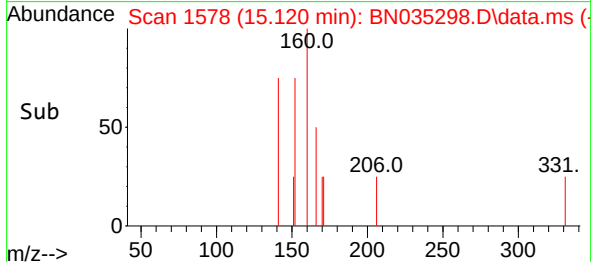
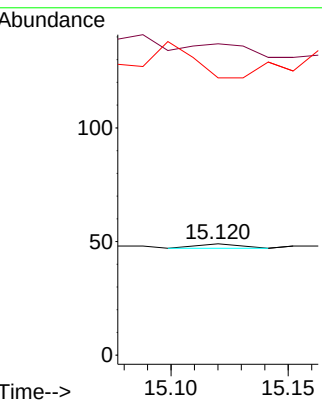
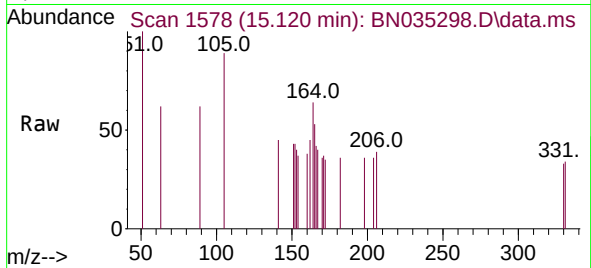




#20
4,6-Dinitro-2-methylphenol
Concen: 0.192 ng
RT: 15.120 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

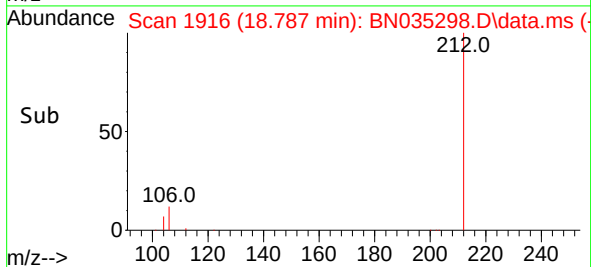
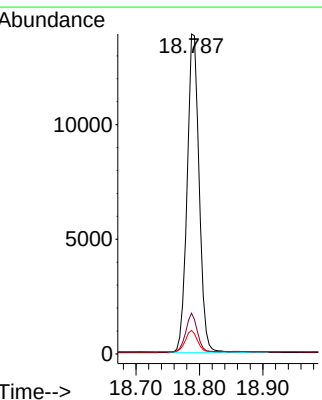
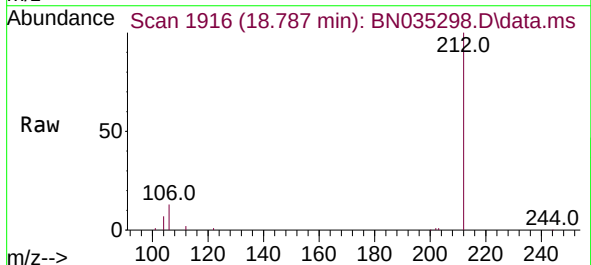
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20241121

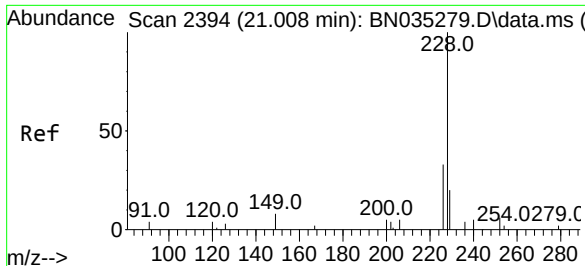
Tgt Ion:198 Resp: 3
Ion Ratio Lower Upper
198 100
51 279.6 53.6 80.4#
105 249.0 47.4 71.2#



#27
Fluoranthene-d10
Concen: 0.528 ng
RT: 18.787 min Scan# 1916
Delta R.T. -0.005 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

Tgt Ion:212 Resp: 18292
Ion Ratio Lower Upper
212 100
106 11.6 9.8 14.8
104 6.6 5.6 8.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035298.D

Acq: 26 Nov 2024 02:02

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-20241121

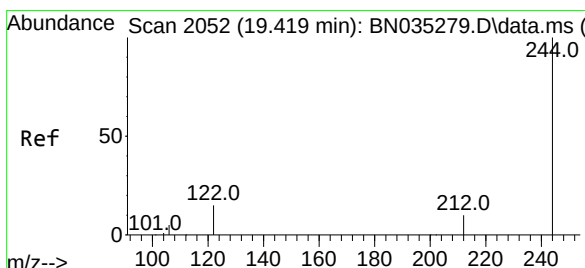
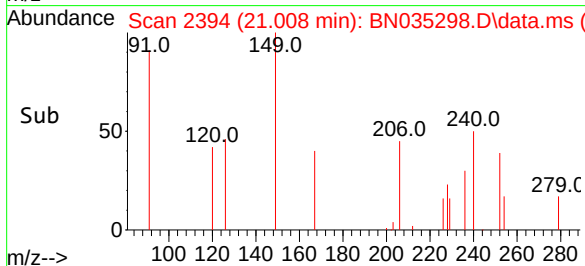
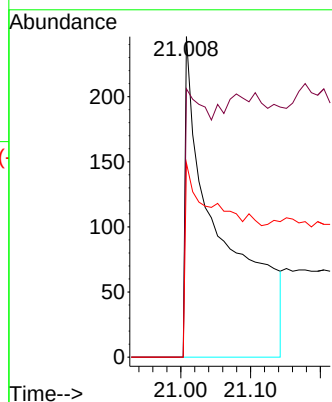
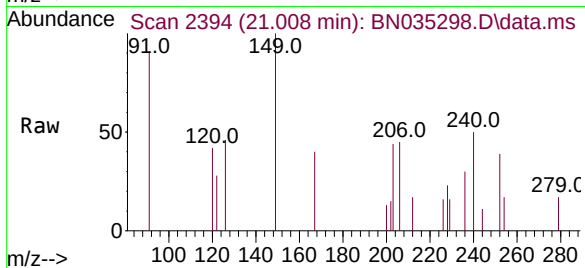
Tgt Ion:240 Resp: 823

Ion Ratio Lower Upper

240 100

120 83.7 54.9 82.3#

236 60.6 54.0 81.0



#31

Terphenyl-d14

Concen: 0.916 ng

RT: 19.419 min Scan# 2052

Delta R.T. 0.000 min

Lab File: BN035298.D

Acq: 26 Nov 2024 02:02

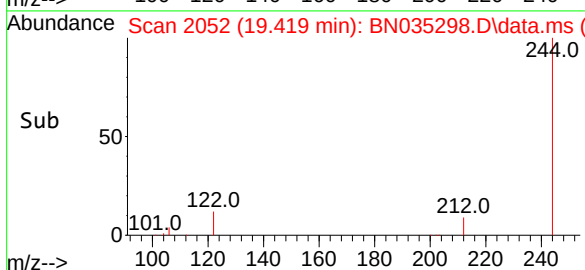
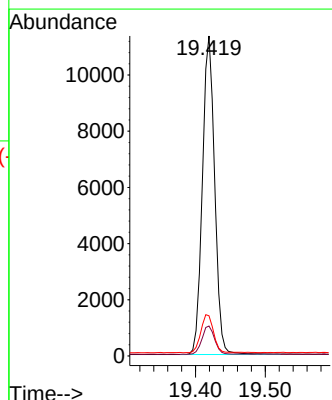
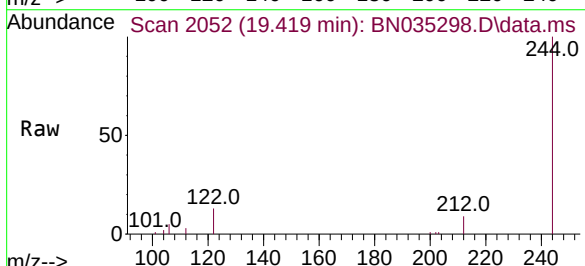
Tgt Ion:244 Resp: 13926

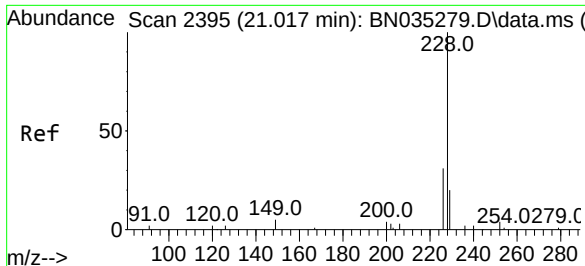
Ion Ratio Lower Upper

244 100

212 9.4 9.4 14.0#

122 12.6 13.0 19.4#

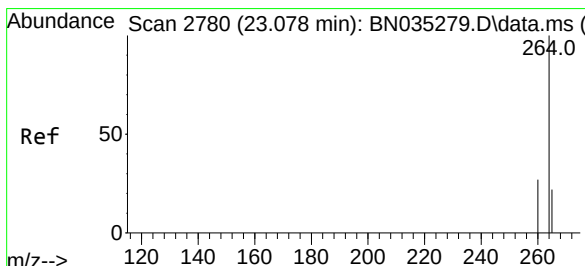
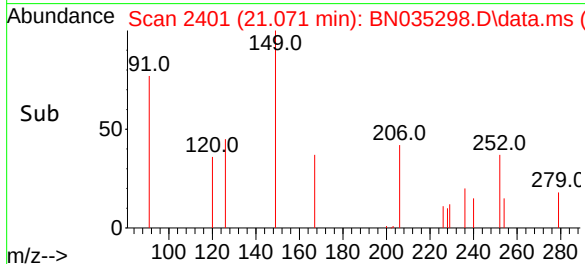
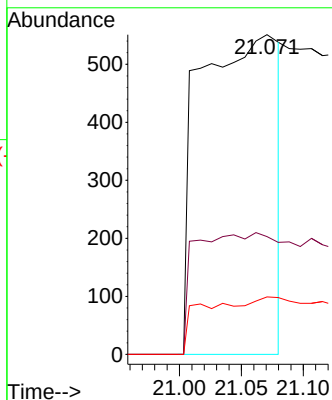
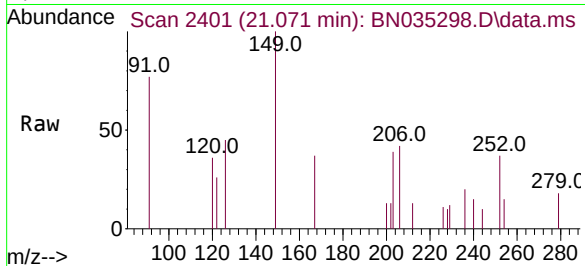




#34
Bis(2-ethylhexyl)phthalate
Concen: 1.426 ng
RT: 21.071 min Scan# 2401
Delta R.T. 0.054 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

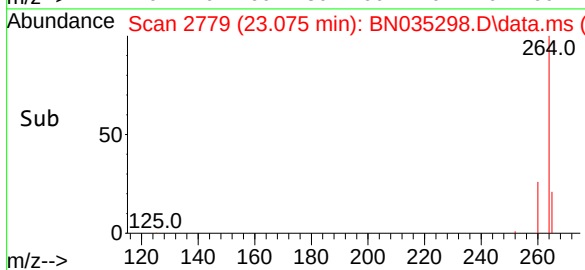
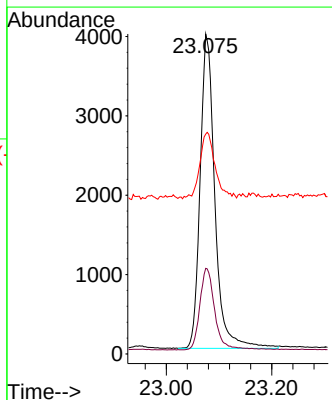
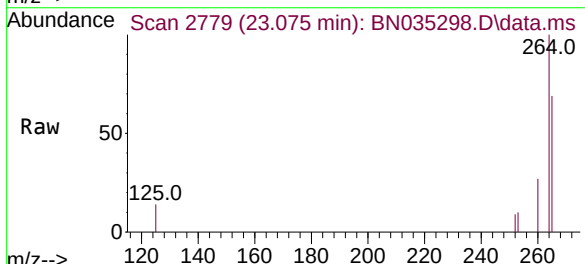
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20241121

Tgt Ion:149 Resp: 2245
Ion Ratio Lower Upper
149 100
167 0.0 0.0 0.0
279 0.0 13.0 19.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.075 min Scan# 2779
Delta R.T. -0.003 min
Lab File: BN035298.D
Acq: 26 Nov 2024 02:02

Tgt Ion:264 Resp: 7685
Ion Ratio Lower Upper
264 100
260 26.8 22.3 33.5
265 68.7 68.6 103.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035299.D
 Acq On : 26 Nov 2024 02:38
 Operator : RC/JU
 Sample : P4959-03
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP303-20241121

Quant Time: Nov 26 03:33:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 02:36:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

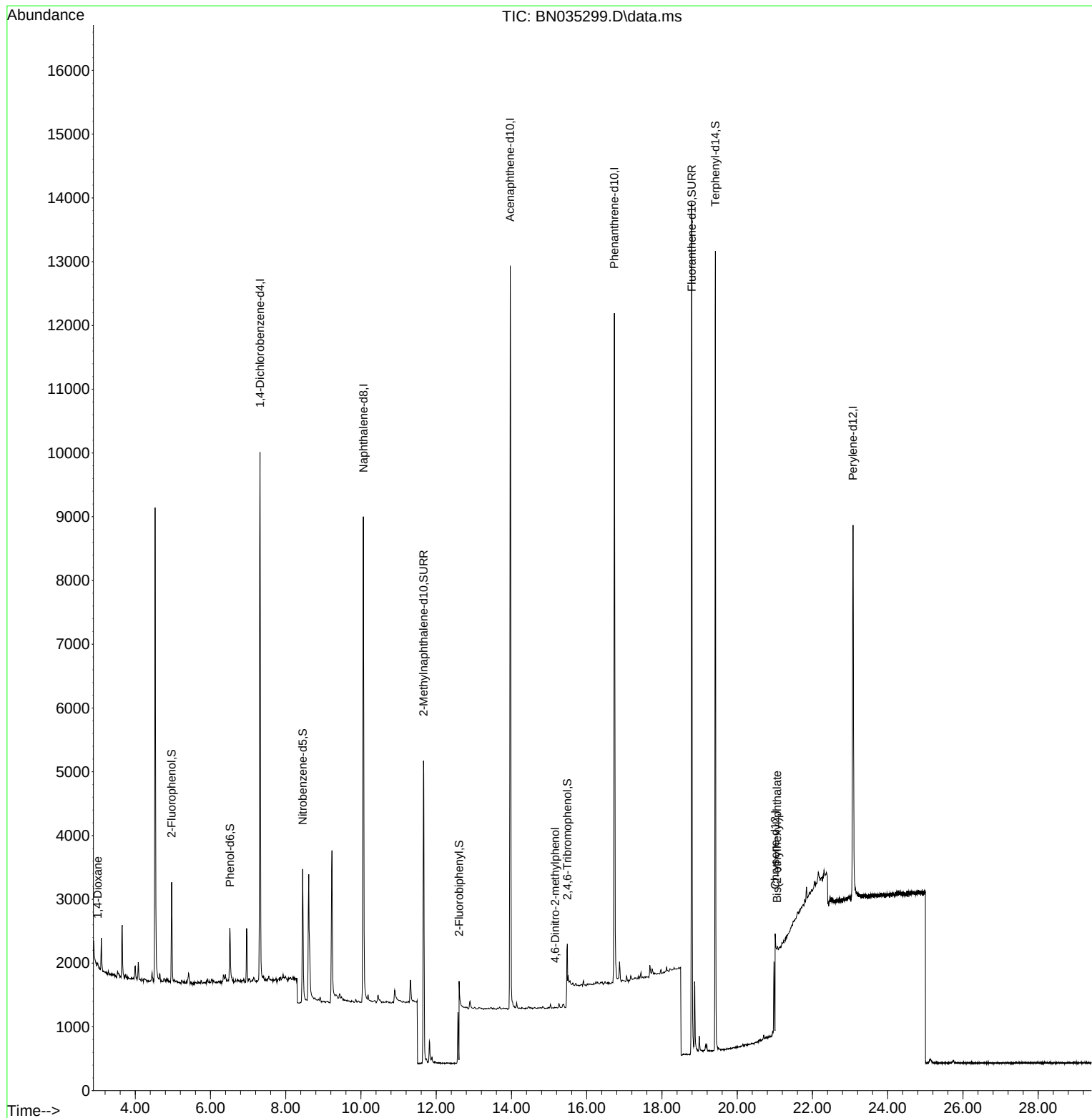
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	4025	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	10571	0.400	ng	# 0.00
13) Acenaphthene-d10	13.966	164	6682	0.400	ng	#-0.01
19) Phenanthrene-d10	16.734	188	14026	0.400	ng	0.00
29) Chrysene-d12	21.008	240	880	0.400	ng	# 0.00
35) Perylene-d12	23.078	264	7740	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1297	0.171	ng	0.00
5) Phenol-d6	6.520	99	900	0.085	ng	0.00
8) Nitrobenzene-d5	8.450	82	2122	0.248	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	6676	0.451	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	972	0.285	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	890	0.241	ng	0.00
27) Fluoranthene-d10	18.788	212	15405	0.410	ng	0.00
31) Terphenyl-d14	19.419	244	11853	0.729	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	67	0.023	ng	# 55
20) 4,6-Dinitro-2-methylph...	15.163	198	6	0.193	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.062	149	1573	0.934	ng	# 62

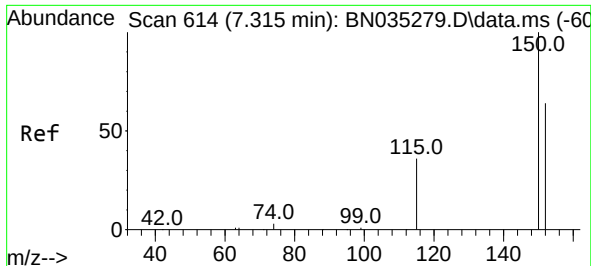
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035299.D
Acq On : 26 Nov 2024 02:38
Operator : RC/JU
Sample : P4959-03
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20241121

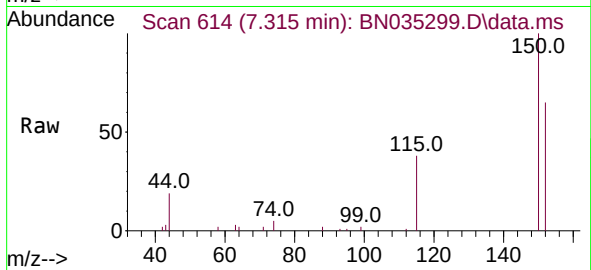
Quant Time: Nov 26 03:33:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration





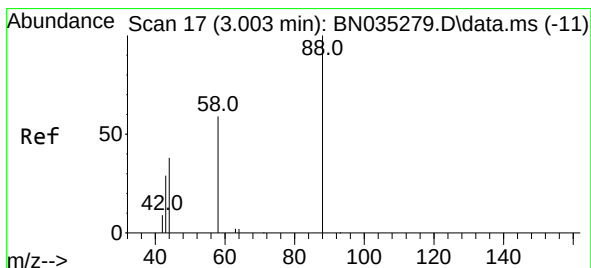
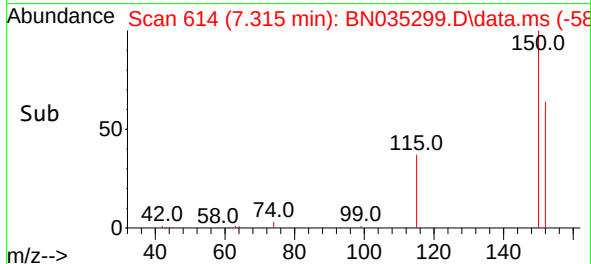
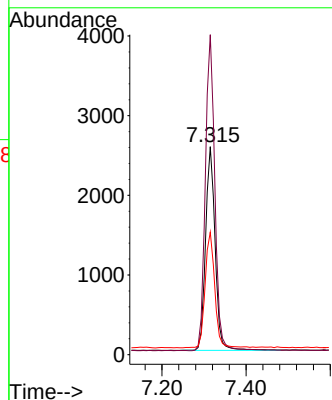
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.315 min Scan# 614
 Delta R.T. -0.000 min
 Lab File: BN035299.D
 Acq: 26 Nov 2024 02:38

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP303-20241121



Tgt Ion:152 Resp: 4025

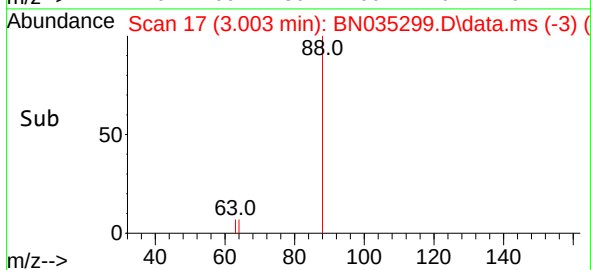
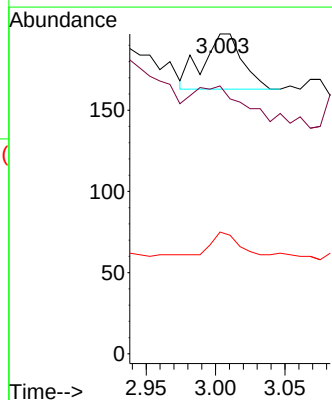
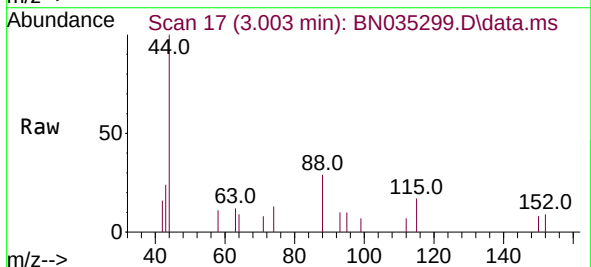
Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.5	186.7
115	58.9	47.8	71.8

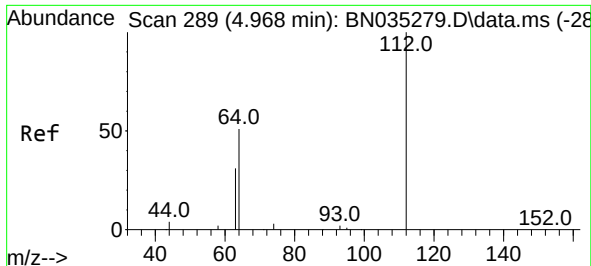


#2
 1,4-Dioxane
 Concen: 0.023 ng
 RT: 3.003 min Scan# 17
 Delta R.T. 0.000 min
 Lab File: BN035299.D
 Acq: 26 Nov 2024 02:38

Tgt Ion: 88 Resp: 67

Ion	Ratio	Lower	Upper
88	100		
43	101.5	48.1	72.1#
58	32.8	46.9	70.3#

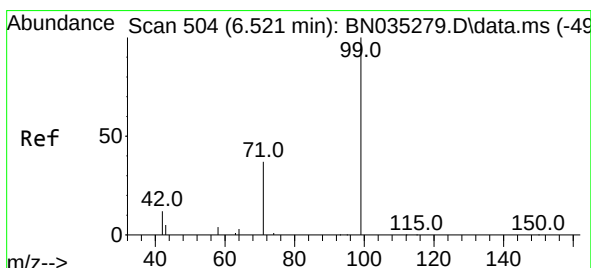
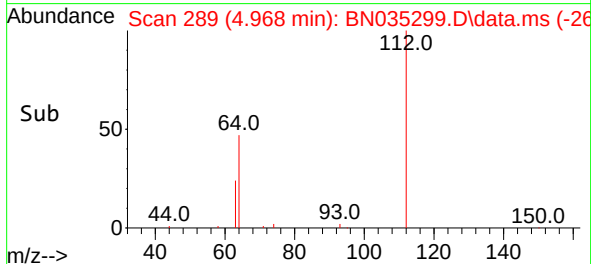
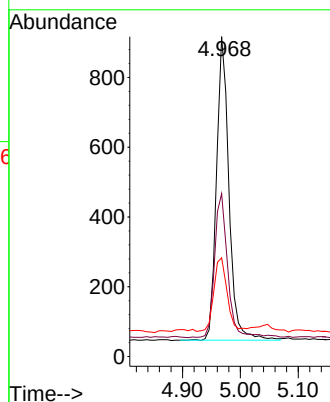
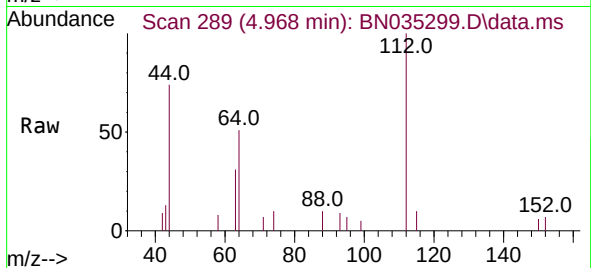




#4
2-Fluorophenol
Concen: 0.171 ng
RT: 4.968 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

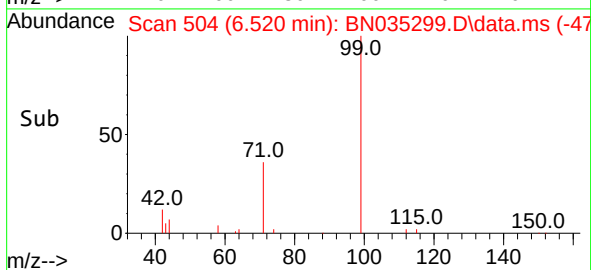
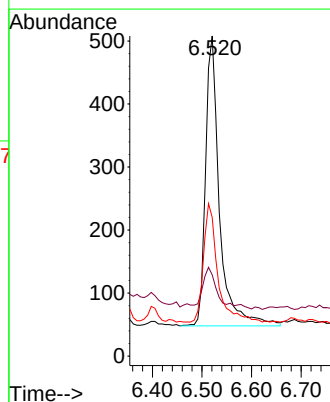
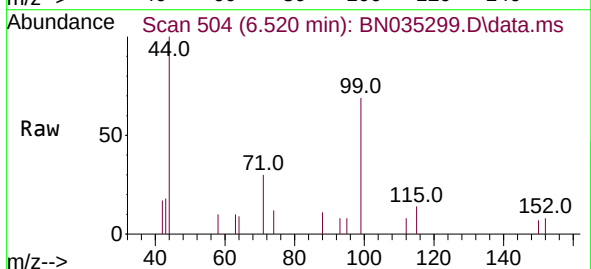
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20241121

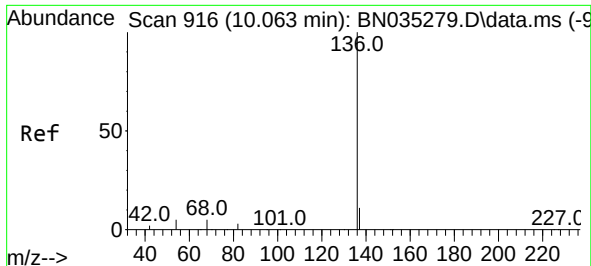
Tgt Ion:112 Resp: 1297
Ion Ratio Lower Upper
112 100
64 50.6 40.4 60.6
63 26.8 23.8 35.8



#5
Phenol-d6
Concen: 0.085 ng
RT: 6.520 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

Tgt Ion: 99 Resp: 900
Ion Ratio Lower Upper
99 100
42 14.9 12.8 19.2
71 41.7 31.4 47.2

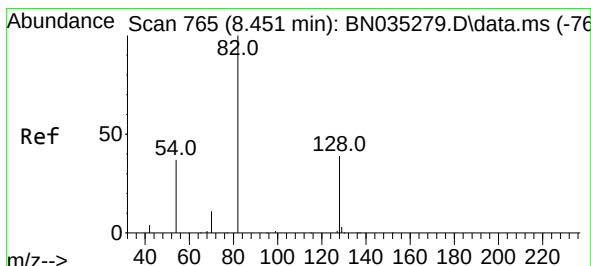
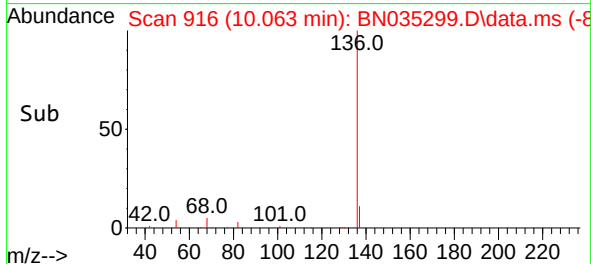
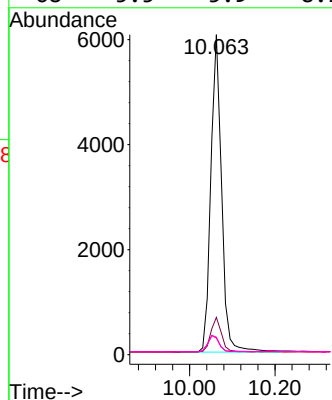
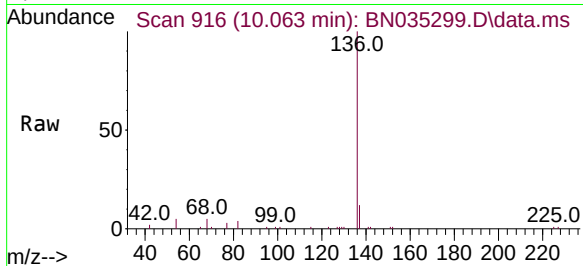




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

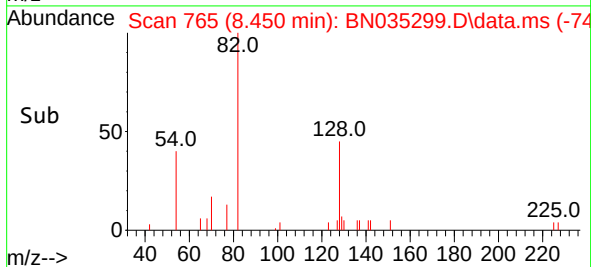
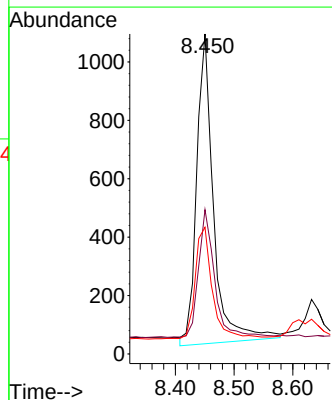
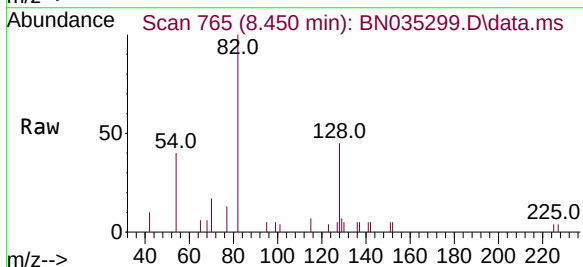
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20241121

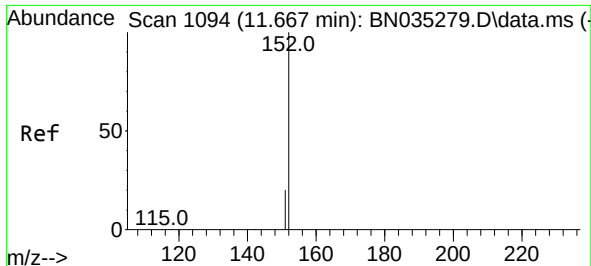
Tgt Ion:	136	Resp:	10571
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.7	14.5
54	5.2	5.3	7.9#
68	5.5	5.9	8.9#



#8
Nitrobenzene-d5
Concen: 0.248 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

Tgt Ion:	82	Resp:	2122
Ion	Ratio	Lower	Upper
82	100		
128	45.1	33.0	49.4
54	39.6	33.3	49.9





#11

2-Methylnaphthalene-d10

Concen: 0.451 ng

RT: 11.663 min Scan# 1093

Delta R.T. -0.004 min

Lab File: BN035299.D

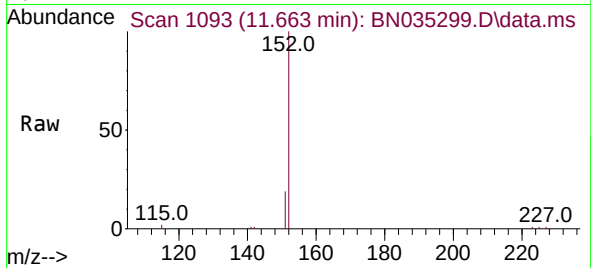
Acq: 26 Nov 2024 02:38

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20241121

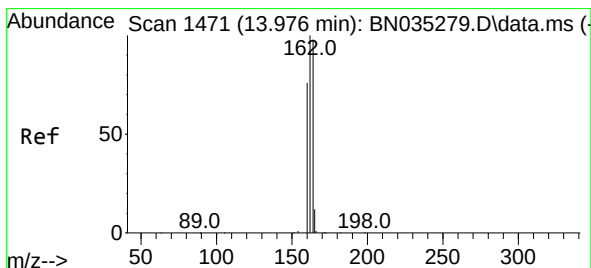
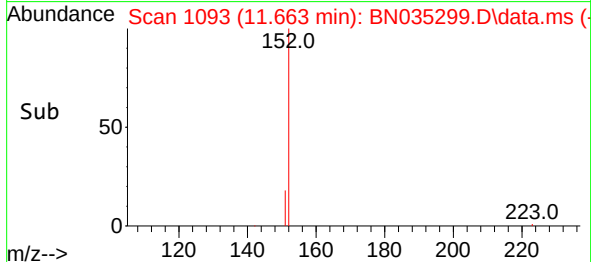
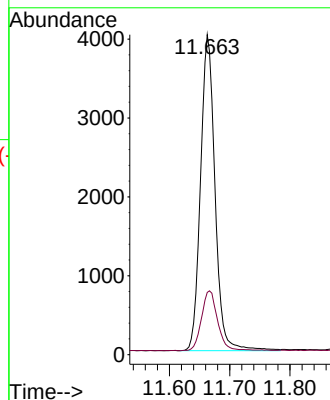


Tgt Ion:152 Resp: 6676

Ion Ratio Lower Upper

152 100

151 21.0 17.2 25.8



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.966 min Scan# 1470

Delta R.T. -0.011 min

Lab File: BN035299.D

Acq: 26 Nov 2024 02:38

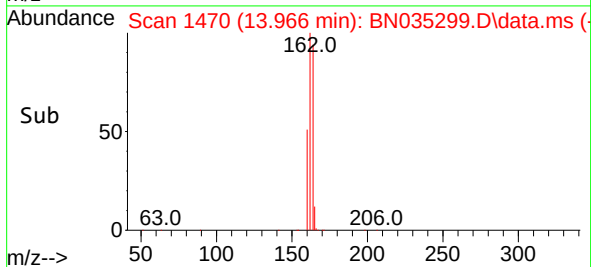
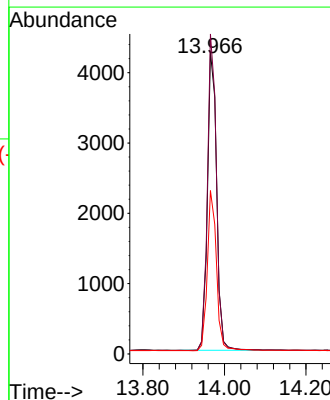
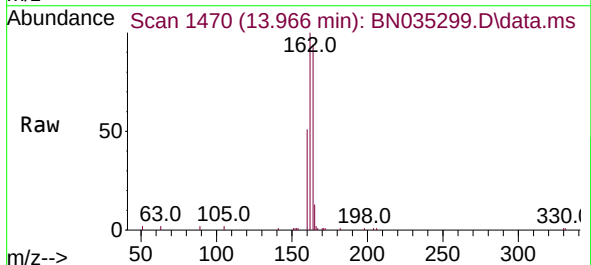
Tgt Ion:164 Resp: 6682

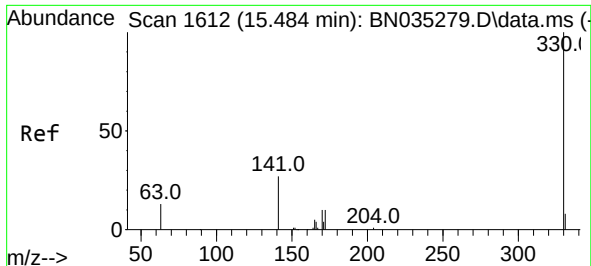
Ion Ratio Lower Upper

164 100

162 106.0 82.0 123.0

160 54.1 63.0 94.4#

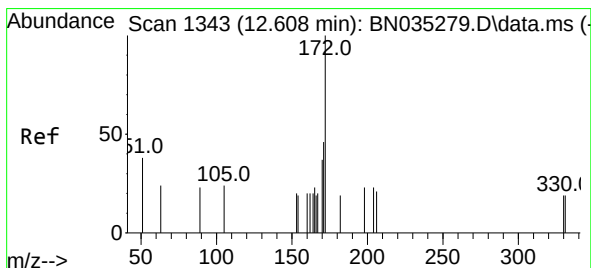
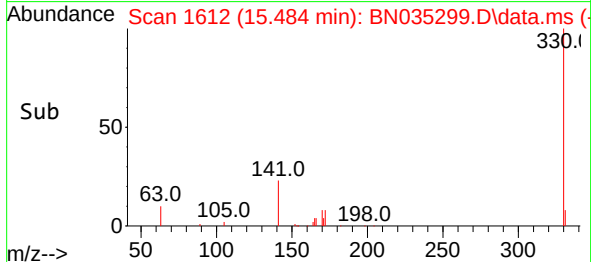
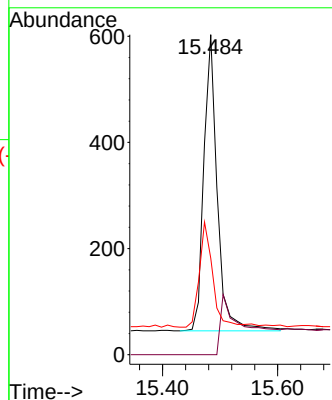
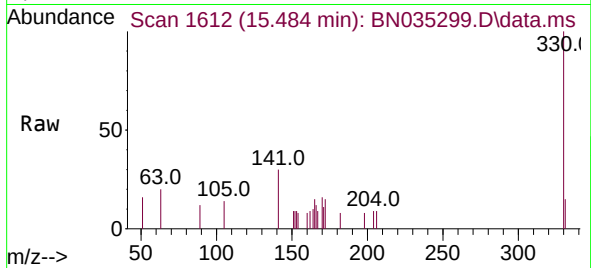




#14
2,4,6-Tribromophenol
Concen: 0.285 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

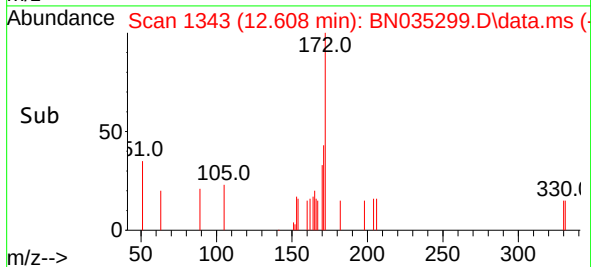
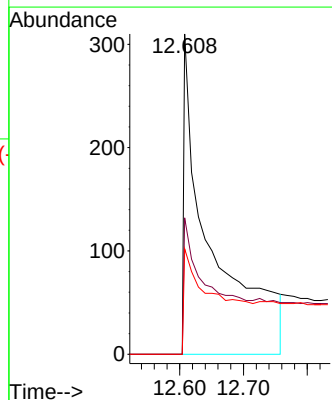
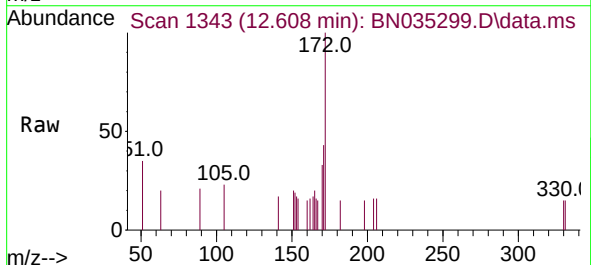
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20241121

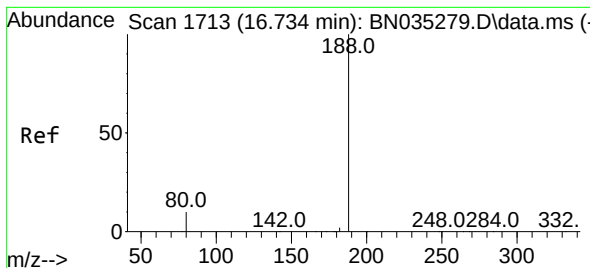
Tgt Ion:330 Resp: 972
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.7 32.4 48.6



#15
2-Fluorobiphenyl
Concen: 0.241 ng
RT: 12.608 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

Tgt Ion:172 Resp: 890
Ion Ratio Lower Upper
172 100
171 42.6 36.6 55.0
170 32.9 29.7 44.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.734 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN035299.D

Acq: 26 Nov 2024 02:38

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20241121

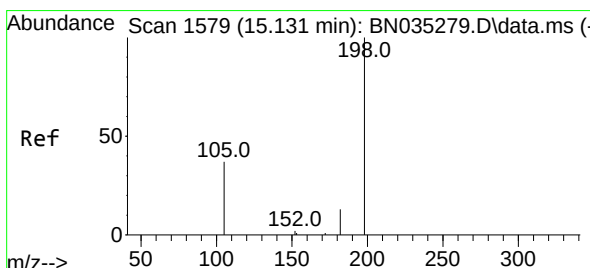
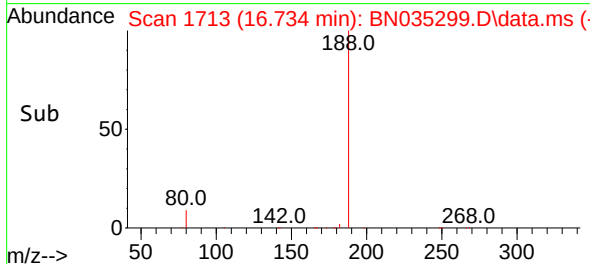
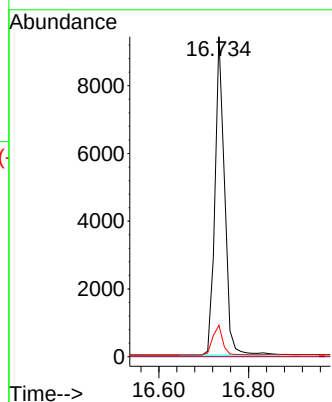
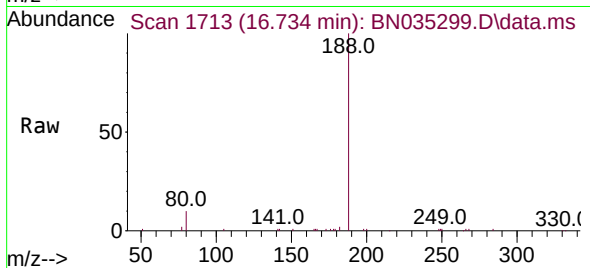
Tgt Ion:188 Resp: 14026

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.8 8.9 13.3



#20

4,6-Dinitro-2-methylphenol

Concen: 0.193 ng

RT: 15.163 min Scan# 1582

Delta R.T. 0.032 min

Lab File: BN035299.D

Acq: 26 Nov 2024 02:38

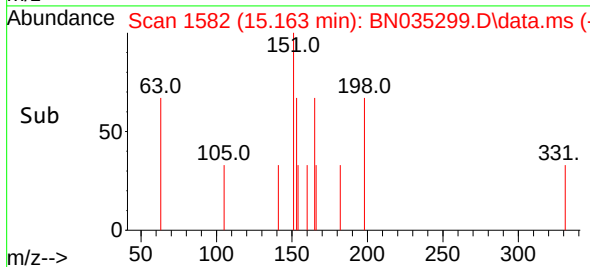
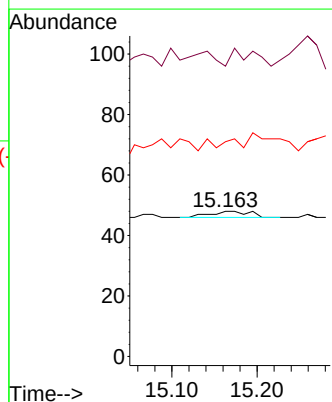
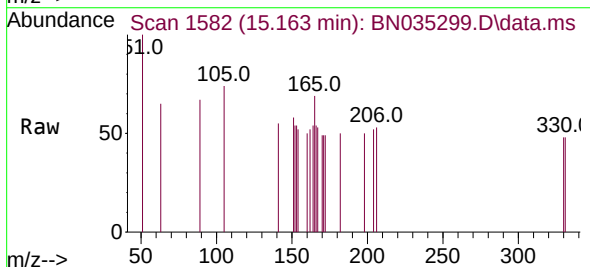
Tgt Ion:198 Resp: 6

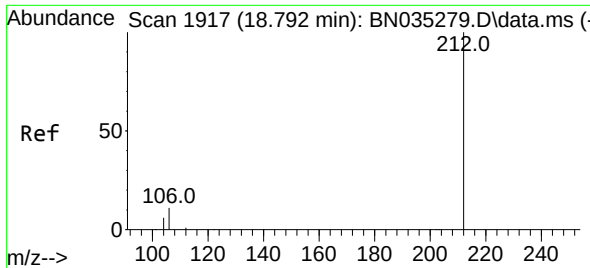
Ion Ratio Lower Upper

198 100

51 200.0 53.6 80.4#

105 147.9 47.4 71.2#

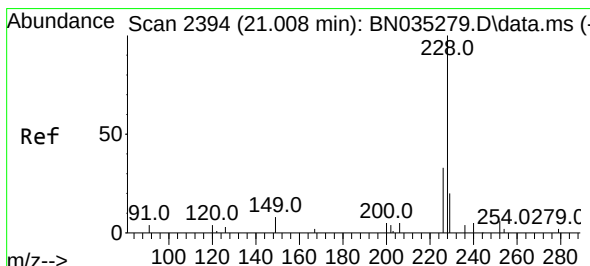
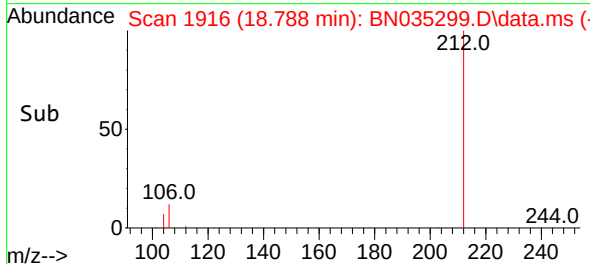
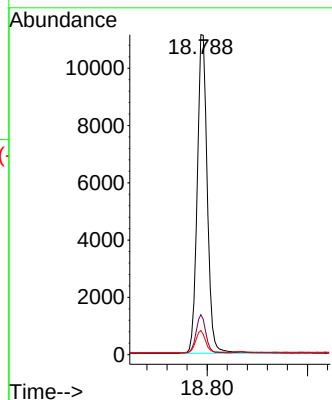
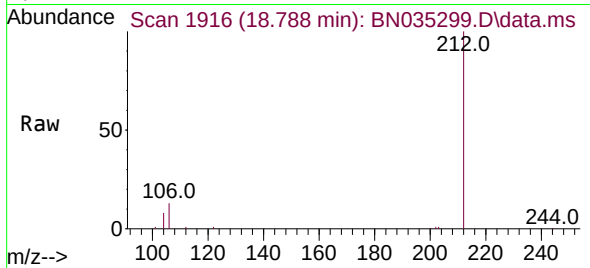




#27
Fluoranthene-d10
Concen: 0.410 ng
RT: 18.788 min Scan# 1916
Delta R.T. -0.005 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

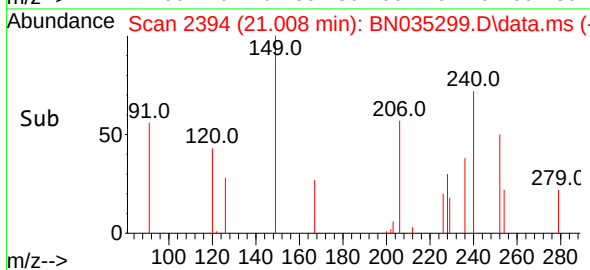
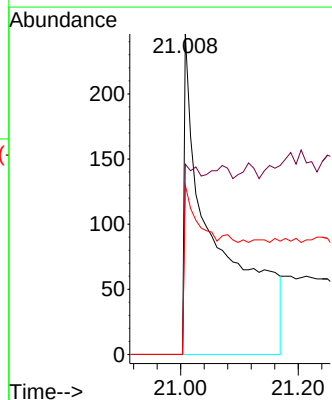
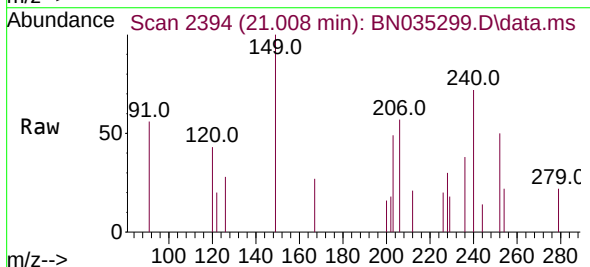
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20241121

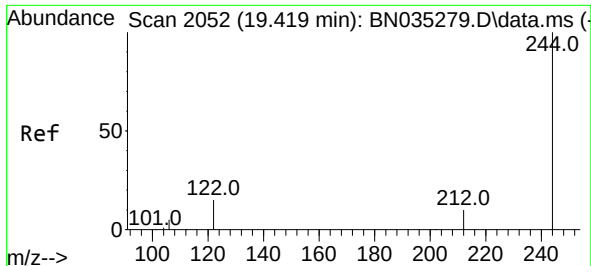
Tgt Ion:212 Resp: 15405
Ion Ratio Lower Upper
212 100
106 11.7 9.8 14.8
104 6.8 5.6 8.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

Tgt Ion:240 Resp: 880
Ion Ratio Lower Upper
240 100
120 59.3 54.9 82.3
236 52.8 54.0 81.0#

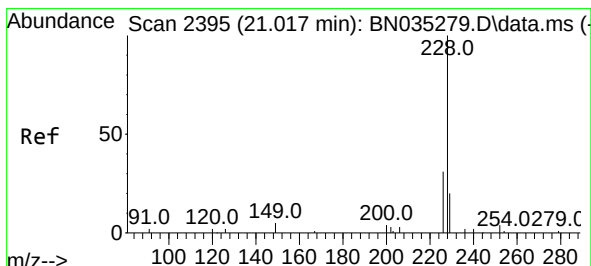
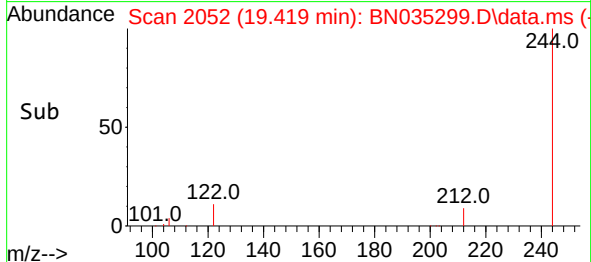
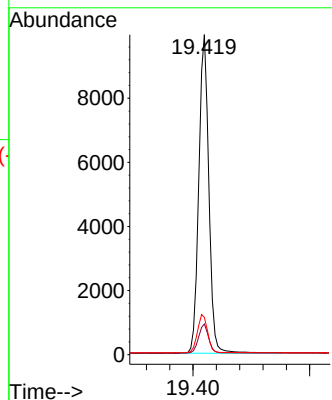
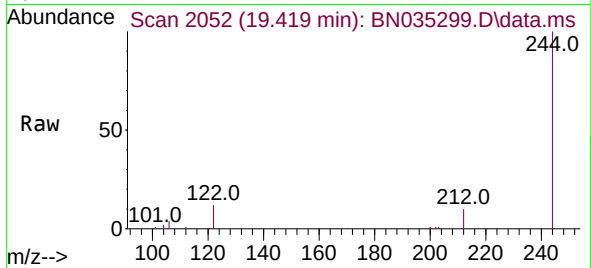




#31
 Terphenyl-d14
 Concen: 0.729 ng
 RT: 19.419 min Scan# 2052
 Delta R.T. 0.000 min
 Lab File: BN035299.D
 Acq: 26 Nov 2024 02:38

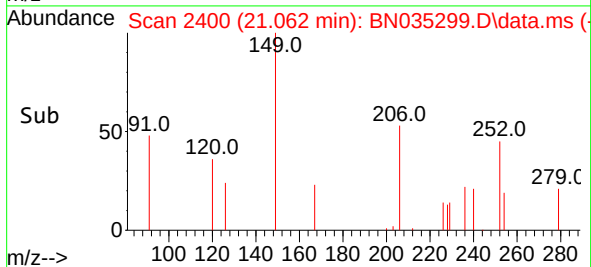
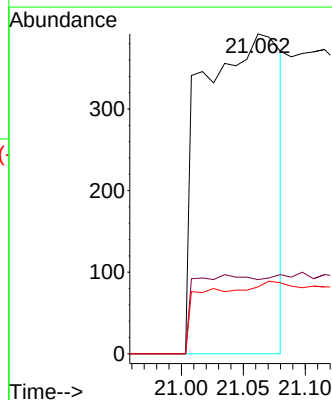
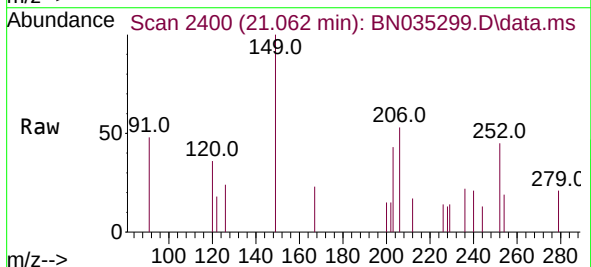
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP303-20241121

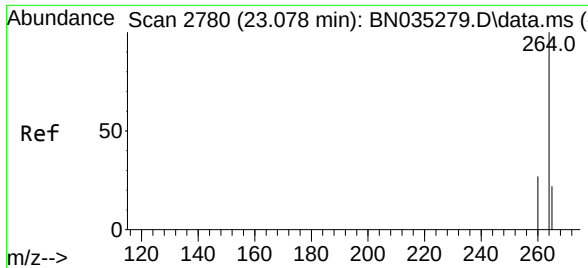
Tgt Ion:244 Resp: 11853
 Ion Ratio Lower Upper
 244 100
 212 9.6 9.4 14.0
 122 11.7 13.0 19.4#



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.934 ng
 RT: 21.062 min Scan# 2400
 Delta R.T. 0.045 min
 Lab File: BN035299.D
 Acq: 26 Nov 2024 02:38

Tgt Ion:149 Resp: 1573
 Ion Ratio Lower Upper
 149 100
 167 0.0 0.0 0.0
 279 0.0 13.0 19.6#



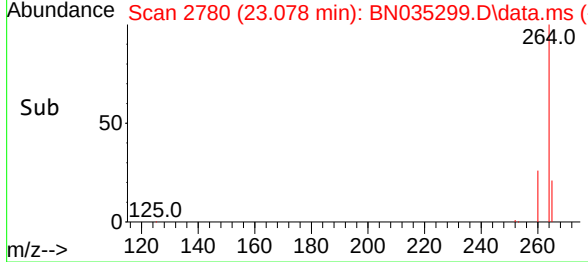
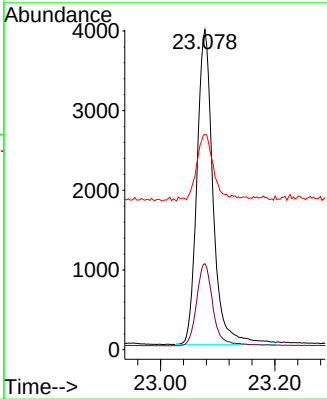
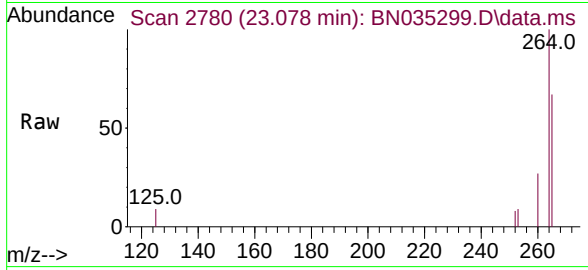


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.078 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN035299.D
Acq: 26 Nov 2024 02:38

Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20241121

Tgt Ion:264 Resp: 7740

Ion	Ratio	Lower	Upper
264	100		
260	26.8	22.3	33.5
265	67.3	68.6	103.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
 Data File : BN035300.D
 Acq On : 26 Nov 2024 03:14
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Nov 26 04:38:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 02:36:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

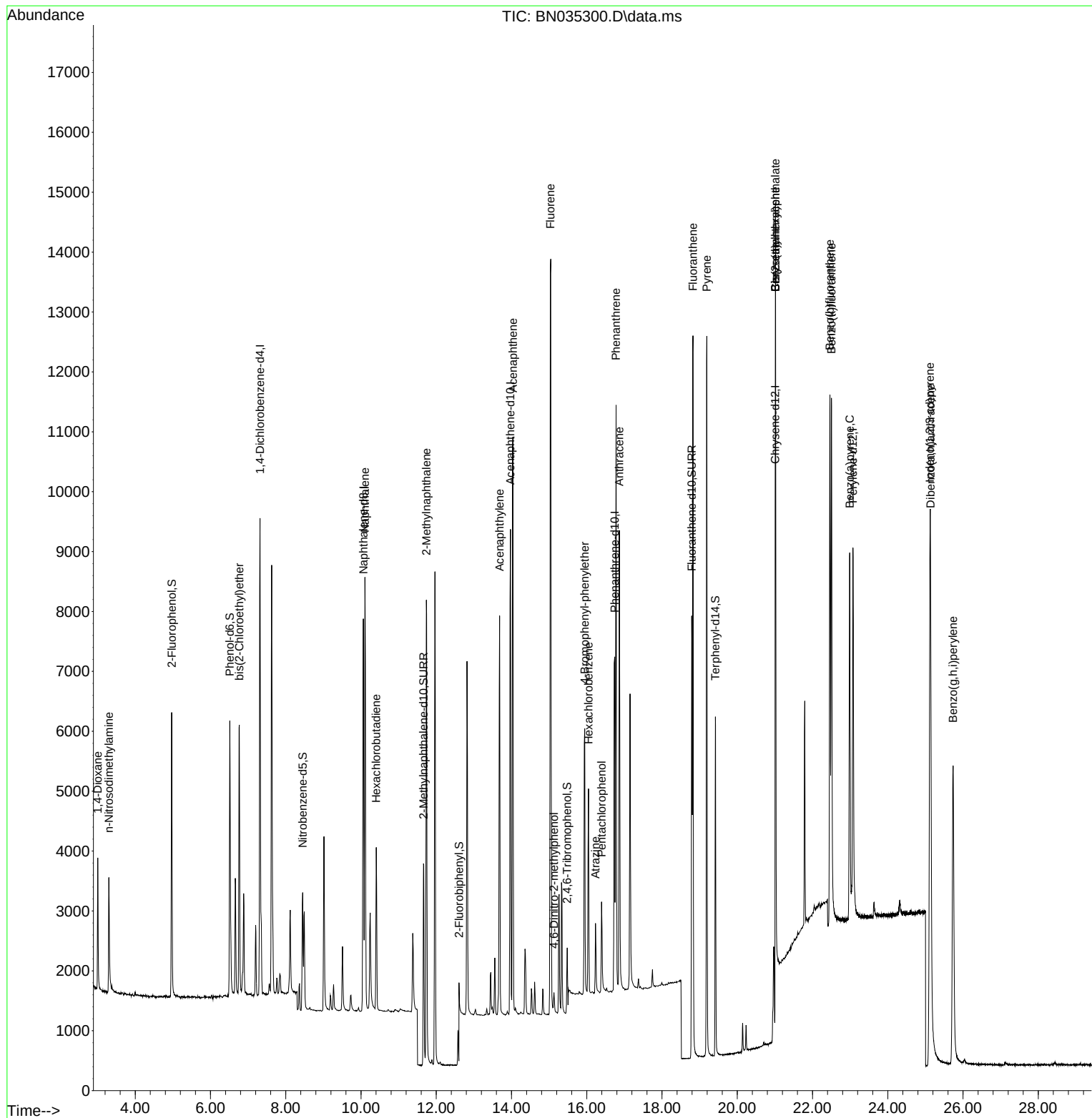
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3805	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	8746	0.400	ng	# 0.00
13) Acenaphthene-d10	13.973	164	4650	0.400	ng	# 0.00
19) Phenanthrene-d10	16.741	188	8944	0.400	ng	# 0.00
29) Chrysene-d12	21.006	240	871	0.400	ng	# 0.00
35) Perylene-d12	23.075	264	8001	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	3847	0.535	ng	0.00
5) Phenol-d6	6.513	99	4573	0.455	ng	0.00
8) Nitrobenzene-d5	8.450	82	1947	0.275	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	4853	0.396	ng	0.00
14) 2,4,6-Tribromophenol	15.480	330	969	0.408	ng	0.00
15) 2-Fluorobiphenyl	12.604	172	795	0.310	ng	0.00
27) Fluoranthene-d10	18.790	212	8444	0.353	ng	0.00
31) Terphenyl-d14	19.422	244	5811	0.361	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	1488	0.544	ng	# 71
3) n-Nitrosodimethylamine	3.299	42	1097	0.387	ng	# 64
6) bis(2-Chloroethyl)ether	6.766	93	3676	0.435	ng	98
9) Naphthalene	10.105	128	9278	0.382	ng	99
10) Hexachlorobutadiene	10.404	225	2190	0.321	ng	# 99
12) 2-Methylnaphthalene	11.738	142	5885	0.371	ng	99
16) Acenaphthylene	13.684	152	7671	0.328	ng	100
17) Acenaphthene	14.037	154	5129	0.348	ng	# 85
18) Fluorene	15.031	166	6559	0.318	ng	97
20) 4,6-Dinitro-2-methylph...	15.127	198	319	0.436	ng	93
21) 4-Bromophenyl-phenylether	15.946	248	2233	0.394	ng	# 78
22) Hexachlorobenzene	16.046	284	2720	0.335	ng	98
23) Atrazine	16.232	200	1031	0.431	ng	98
24) Pentachlorophenol	16.393	266	878	0.450	ng	98
25) Phenanthrene	16.778	178	9774	0.356	ng	100
26) Anthracene	16.865	178	8425	0.357	ng	100
28) Fluoranthene	18.822	202	11052	0.319	ng	99
30) Pyrene	19.189	202	11118	0.351	ng	99
32) Benzo(a)anthracene	21.015	228	10362	0.342	ng	99
33) Chrysene	21.015	228	10362	0.342	ng	99
34) Bis(2-ethylhexyl)phtha...	21.015	149	596	0.358	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.122	276	12330	0.376	ng	99
37) Benzo(b)fluoranthene	22.461	252	10486	0.302	ng	98
38) Benzo(k)fluoranthene	22.502	252	11527	0.313	ng	98
39) Benzo(a)pyrene	22.988	252	8958	0.337	ng	96
40) Dibenzo(a,h)anthracene	25.137	278	9558	0.386	ng	95
41) Benzo(g,h,i)perylene	25.736	276	10647	0.372	ng	97

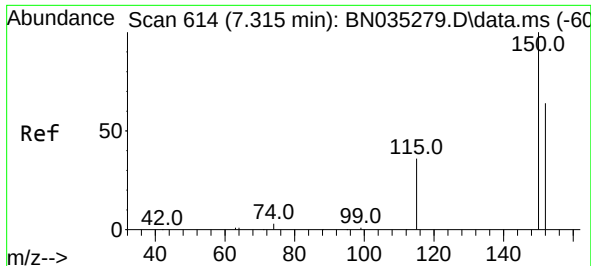
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035300.D
Acq On : 26 Nov 2024 03:14
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

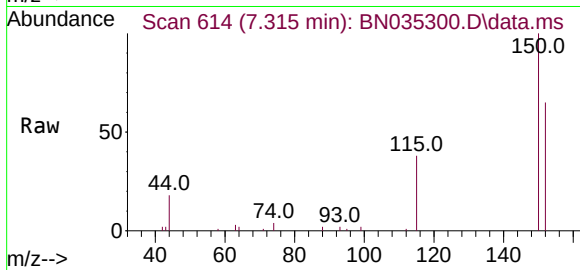
Quant Time: Nov 26 04:38:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration



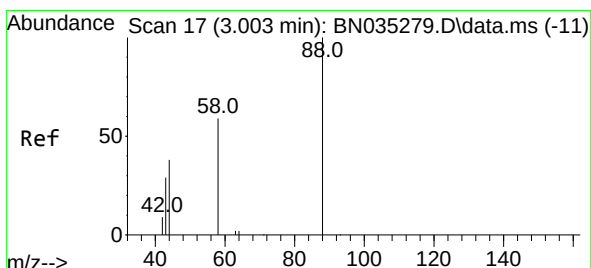
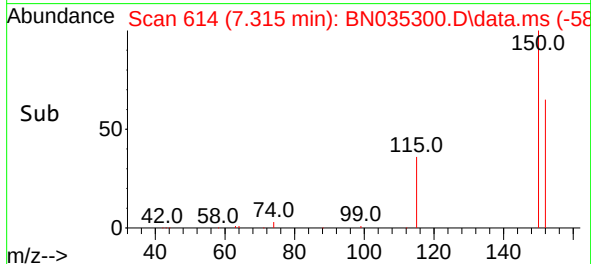
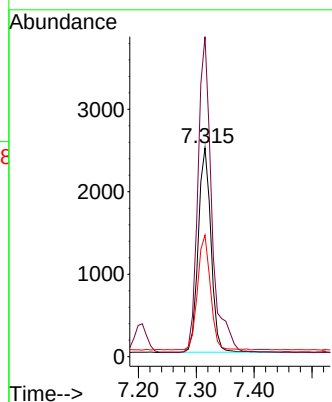


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.315 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN035300.D
 Acq: 26 Nov 2024 03:14

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

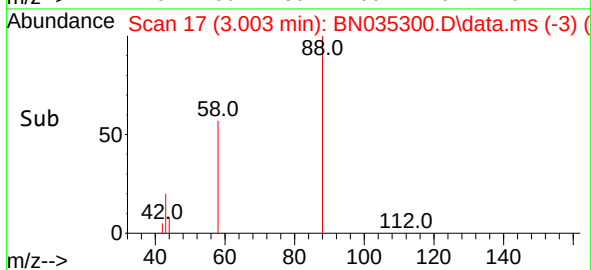
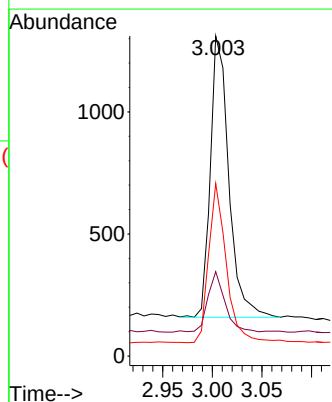
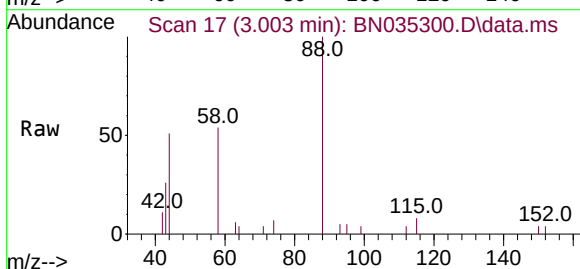


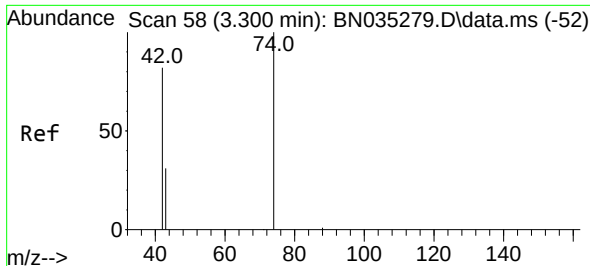
Tgt Ion:152 Resp: 3805
 Ion Ratio Lower Upper
 152 100
 150 153.3 124.5 186.7
 115 58.3 47.8 71.8



#2
 1,4-Dioxane
 Concen: 0.544 ng
 RT: 3.003 min Scan# 17
 Delta R.T. 0.000 min
 Lab File: BN035300.D
 Acq: 26 Nov 2024 03:14

Tgt Ion: 88 Resp: 1488
 Ion Ratio Lower Upper
 88 100
 43 20.2 48.1 72.1#
 58 54.6 46.9 70.3

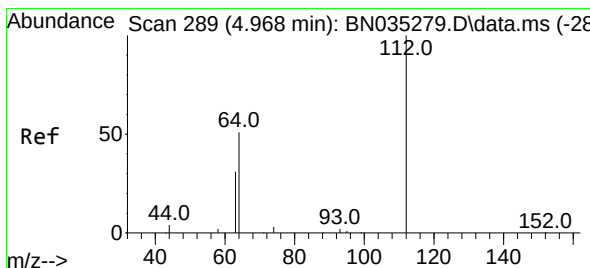
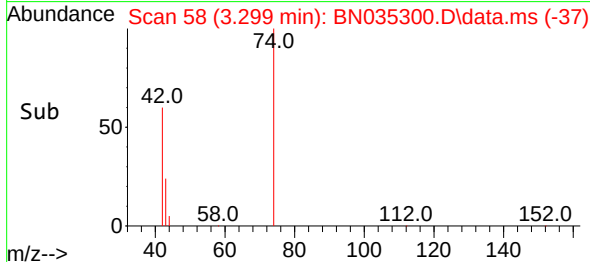
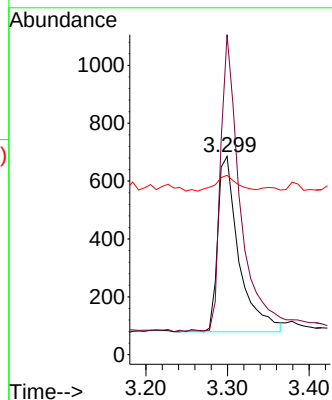
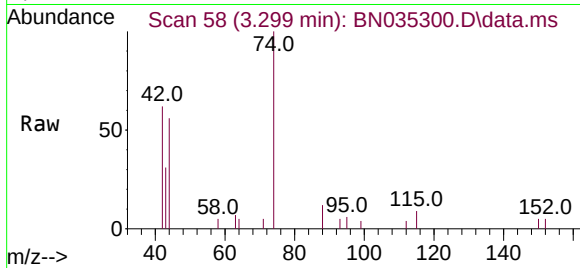




#3
n-Nitrosodimethylamine
Concen: 0.387 ng
RT: 3.299 min Scan# 58
Delta R.T. -0.001 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

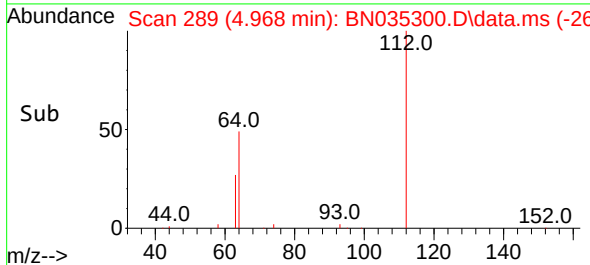
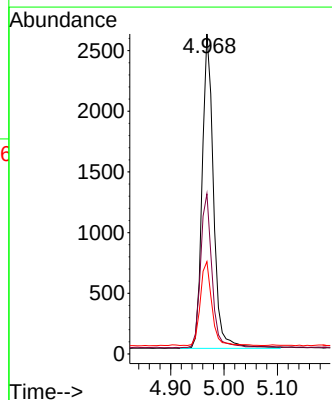
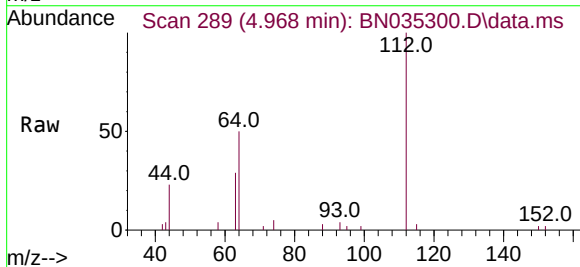
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

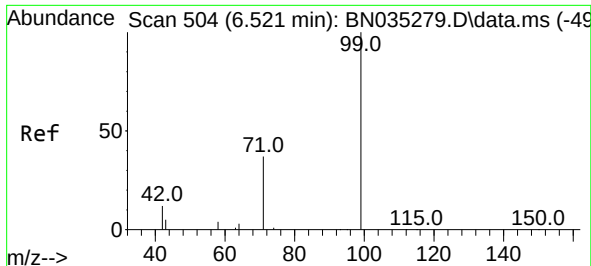
Tgt Ion: 42 Resp: 1097
Ion Ratio Lower Upper
42 100
74 163.7 102.7 154.1#
44 9.3 34.1 51.1#



#4
2-Fluorophenol
Concen: 0.535 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion: 112 Resp: 3847
Ion Ratio Lower Upper
112 100
64 49.1 40.4 60.6
63 26.8 23.8 35.8

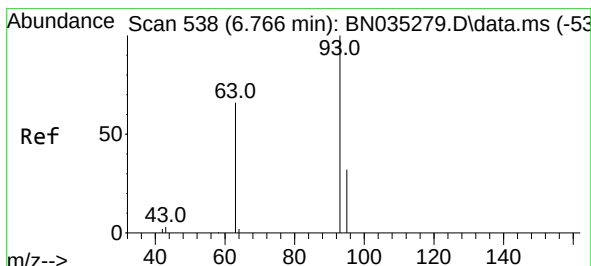
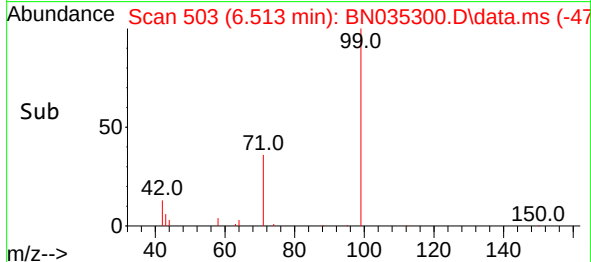
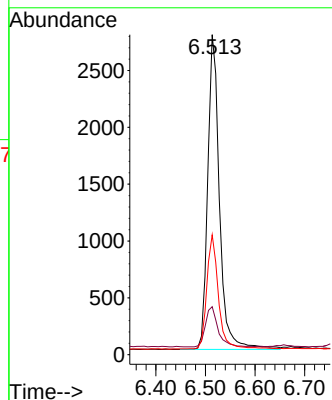
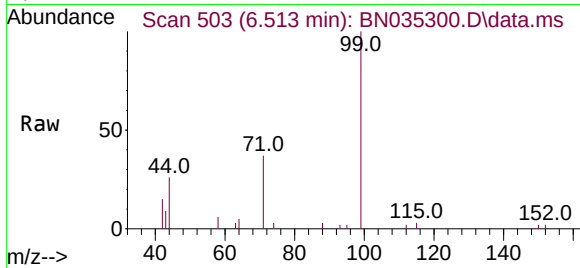




#5
Phenol-d6
Concen: 0.455 ng
RT: 6.513 min Scan# 504
Delta R.T. -0.007 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

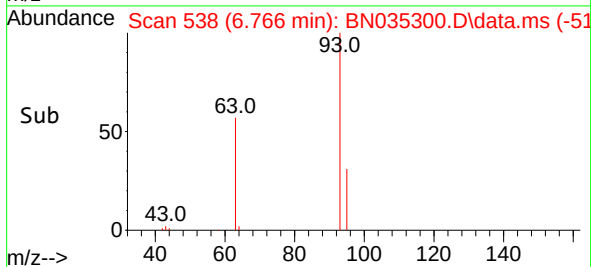
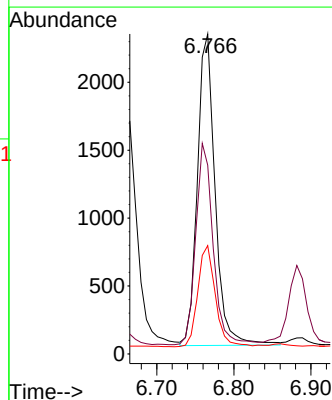
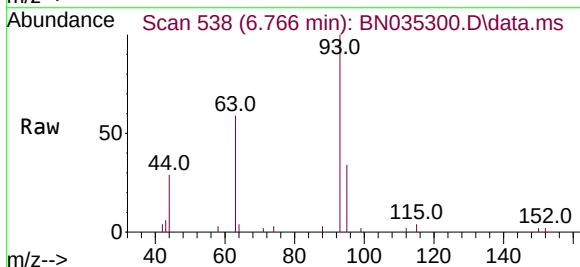
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

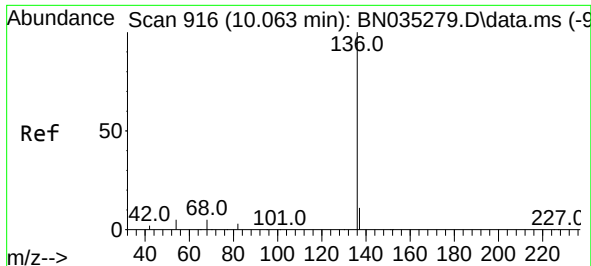
Tgt Ion: 99 Resp: 4573
Ion Ratio Lower Upper
99 100
42 13.6 12.8 19.2
71 35.7 31.4 47.2



#6
bis(2-Chloroethyl)ether
Concen: 0.435 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion: 93 Resp: 3676
Ion Ratio Lower Upper
93 100
63 63.3 52.3 78.5
95 32.3 25.5 38.3

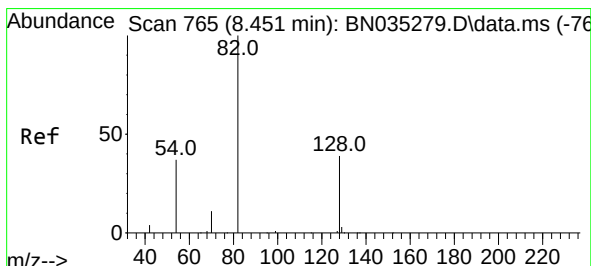
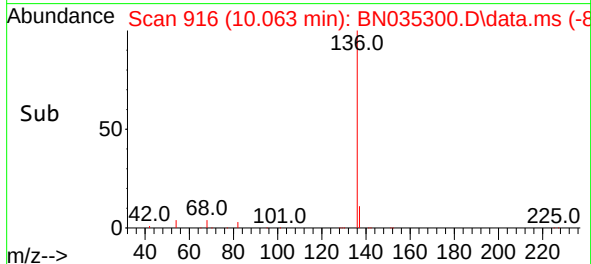
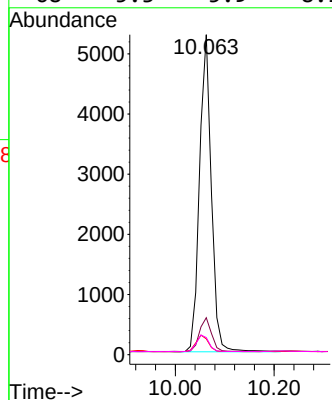
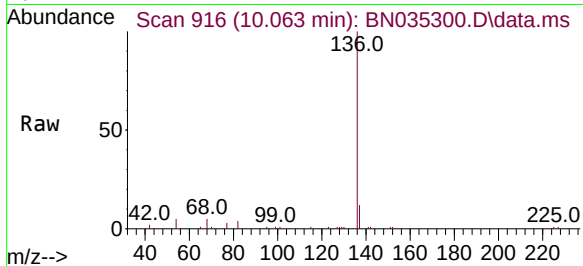




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

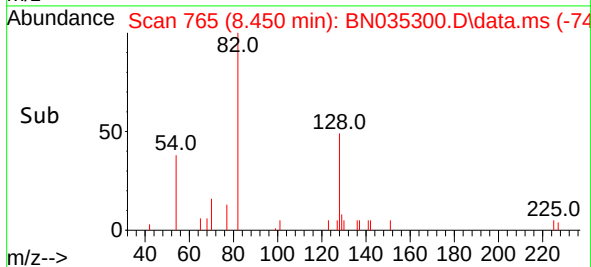
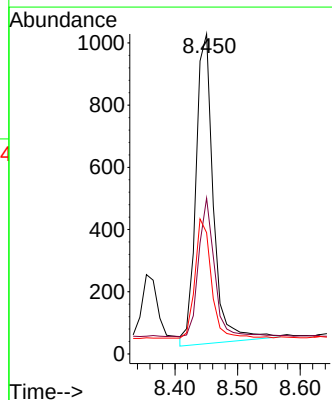
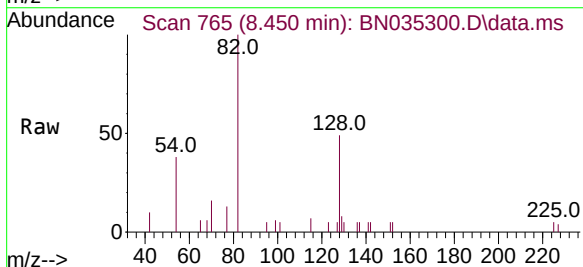
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

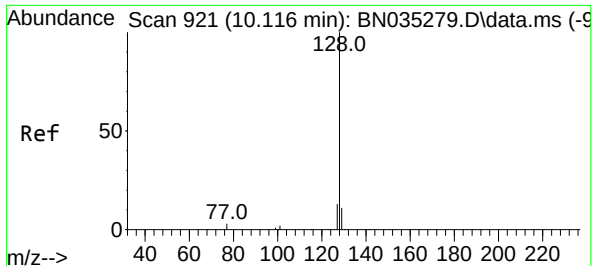
Tgt Ion:	136	Resp:	8746
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.7	14.5
54	5.0	5.3	7.9#
68	5.3	5.9	8.9#



#8
Nitrobenzene-d5
Concen: 0.275 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion:	82	Resp:	1947
Ion	Ratio	Lower	Upper
82	100		
128	48.7	33.0	49.4
54	37.9	33.3	49.9

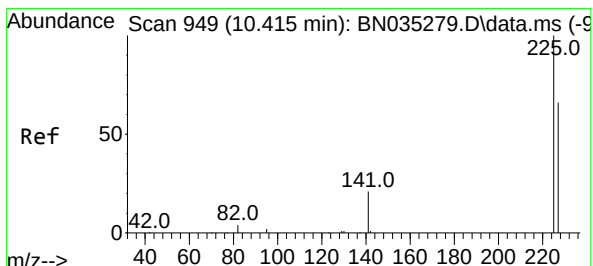
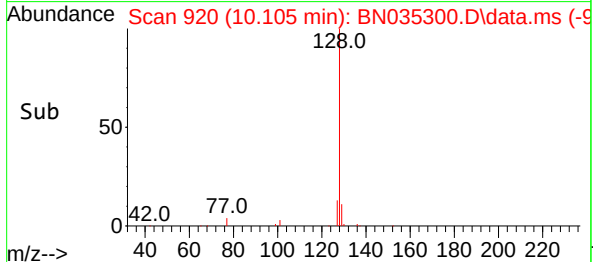
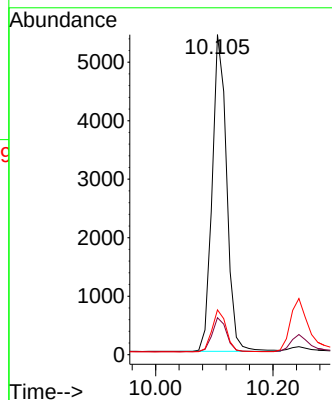
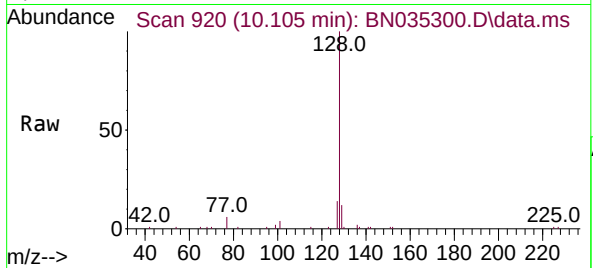




#9
Naphthalene
Concen: 0.382 ng
RT: 10.105 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

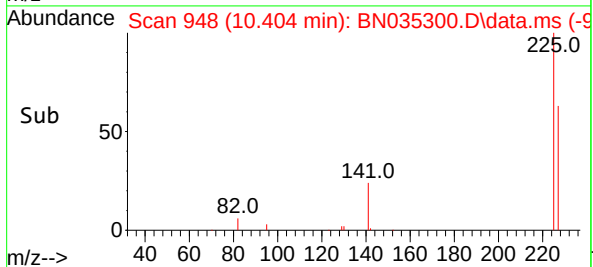
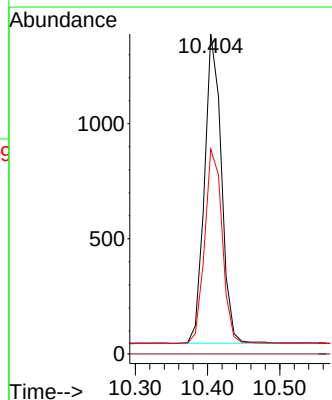
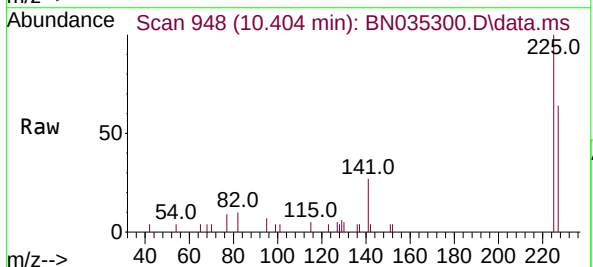
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

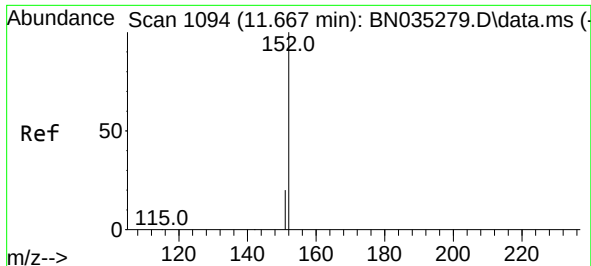
Tgt Ion:	128	Resp:	9278
Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.6	14.4
127	14.0	11.3	16.9



#10
Hexachlorobutadiene
Concen: 0.321 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion:	225	Resp:	2190
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.2	51.3	76.9

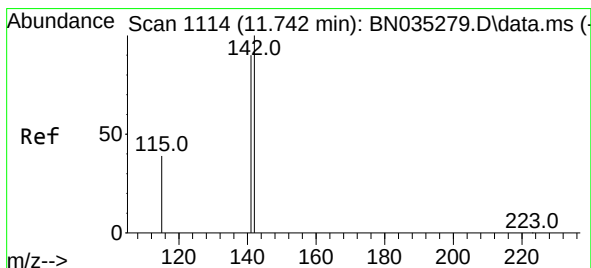
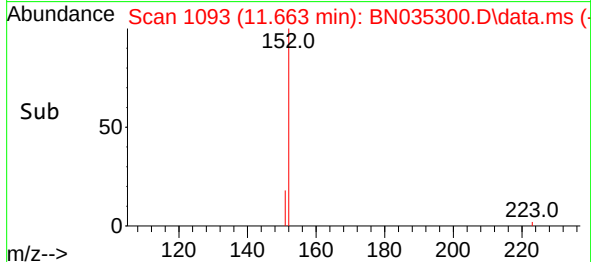
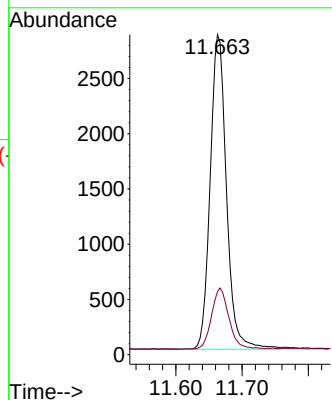
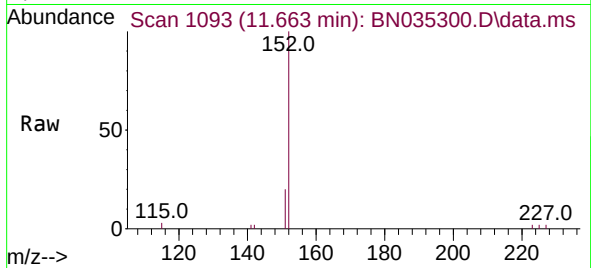




#11
2-Methylnaphthalene-d10
Concen: 0.396 ng
RT: 11.663 min Scan# 1109
Delta R.T. -0.004 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

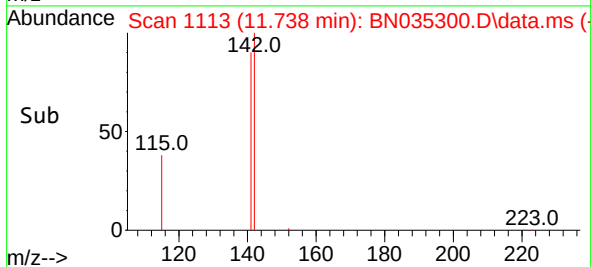
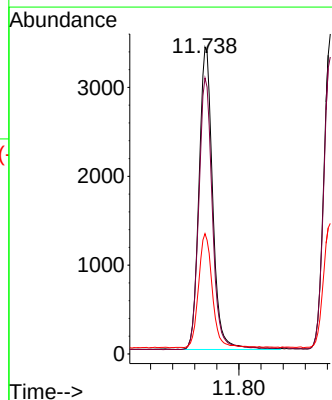
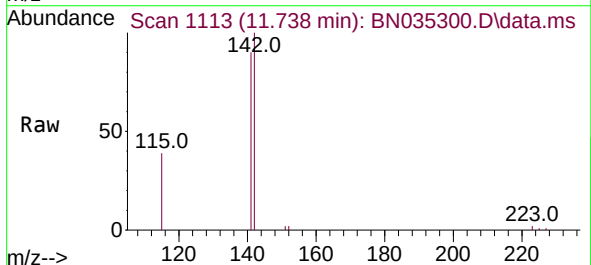
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

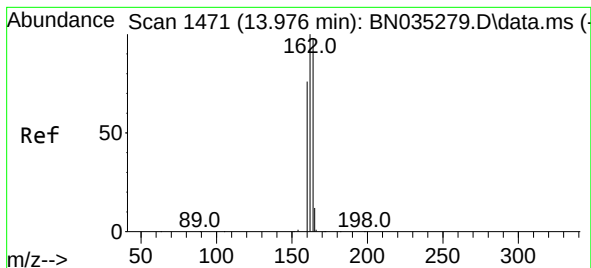
Tgt Ion:152 Resp: 4853
Ion Ratio Lower Upper
152 100
151 20.7 17.2 25.8



#12
2-Methylnaphthalene
Concen: 0.371 ng
RT: 11.738 min Scan# 1113
Delta R.T. -0.004 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion:142 Resp: 5885
Ion Ratio Lower Upper
142 100
141 89.9 71.8 107.8
115 39.2 32.6 49.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.973 min Scan# 14

Delta R.T. -0.004 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

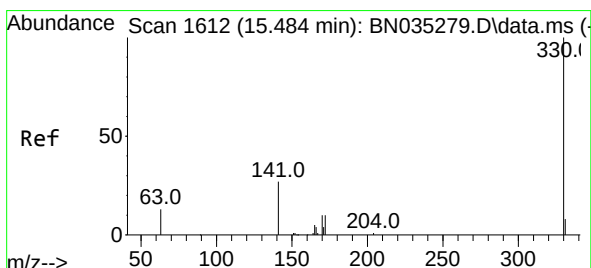
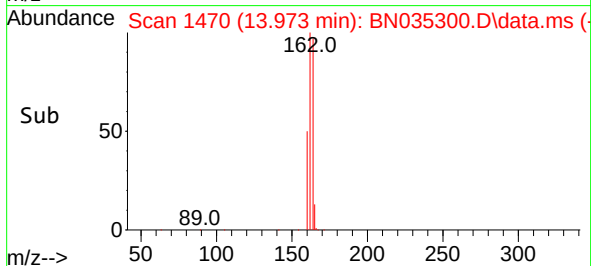
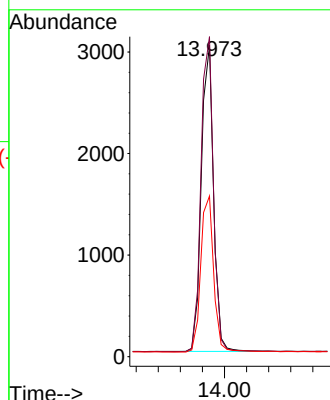
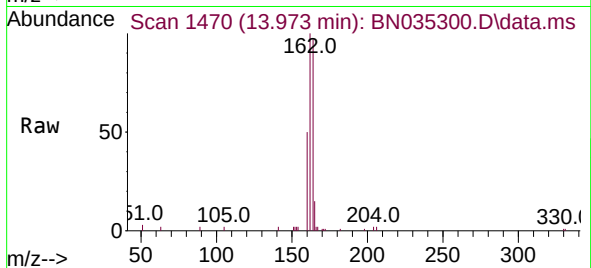
Tgt Ion:164 Resp: 4650

Ion Ratio Lower Upper

164 100

162 102.8 82.0 123.0

160 51.6 63.0 94.4#



#14

2,4,6-Tribromophenol

Concen: 0.408 ng

RT: 15.480 min Scan# 1611

Delta R.T. -0.004 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

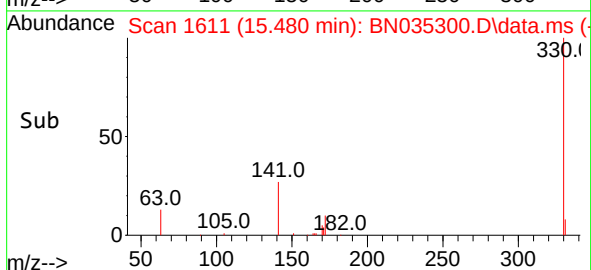
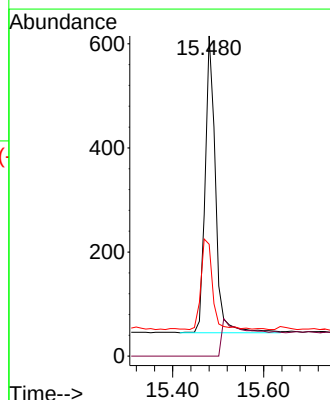
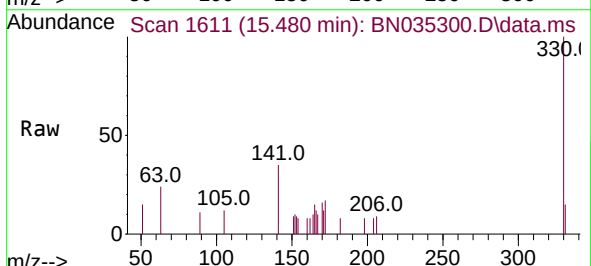
Tgt Ion:330 Resp: 969

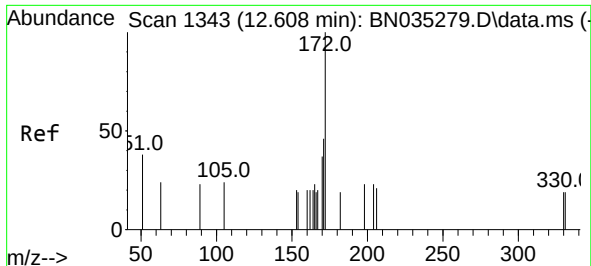
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 34.5 32.4 48.6

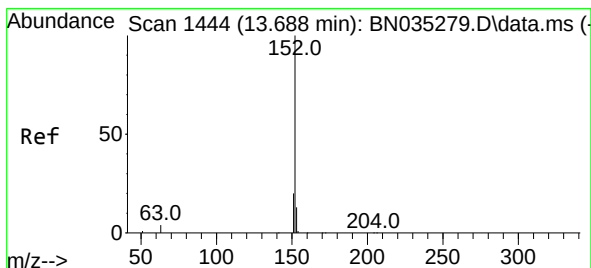
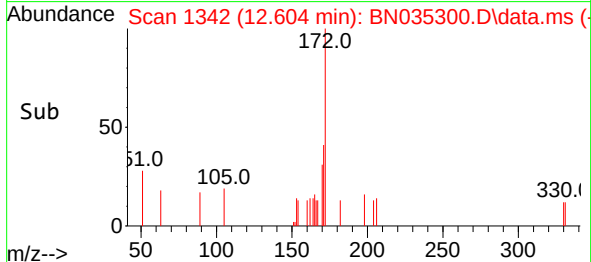
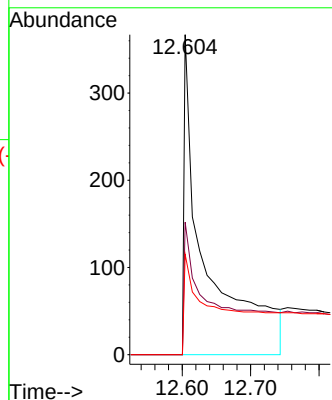
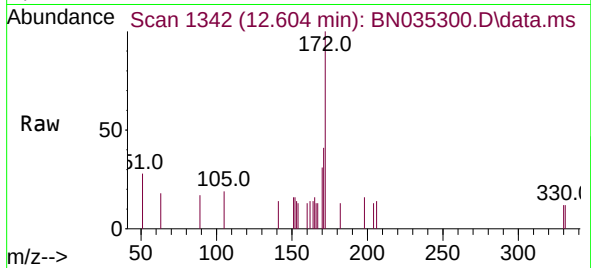




#15
2-Fluorobiphenyl
Concen: 0.310 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

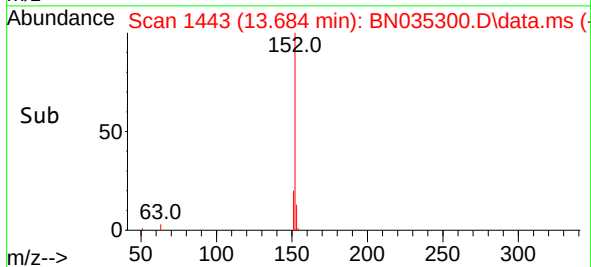
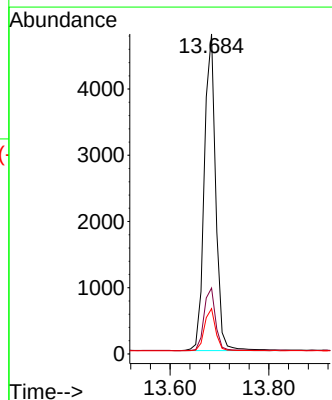
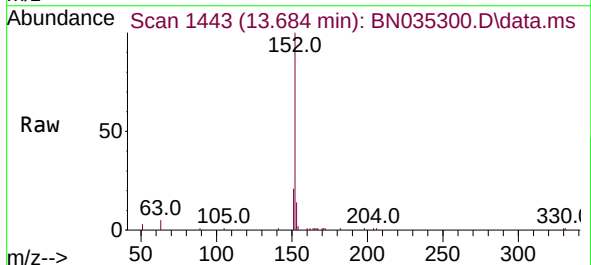
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

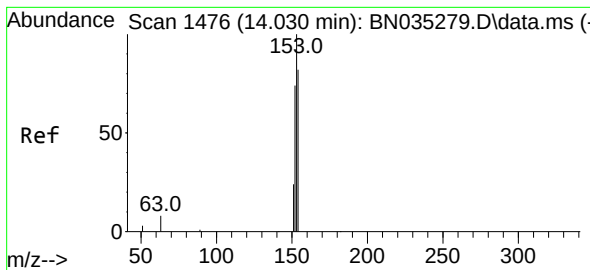
Tgt Ion:	172	Resp:	795
Ion Ratio	Lower	Upper	
172	100		
171	41.4	36.6	55.0
170	31.3	29.7	44.5



#16
Acenaphthylene
Concen: 0.328 ng
RT: 13.684 min Scan# 1443
Delta R.T. -0.004 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion:	152	Resp:	7671
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.9	23.9
153	13.1	10.2	15.4





#17

Acenaphthene

Concen: 0.348 ng

RT: 14.037 min Scan# 1476

Delta R.T. 0.007 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

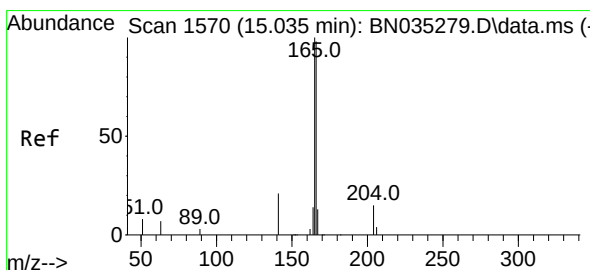
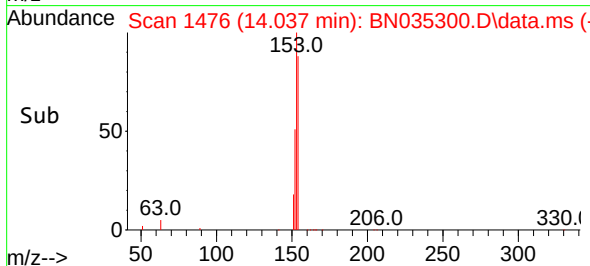
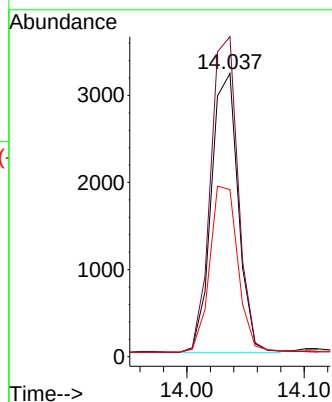
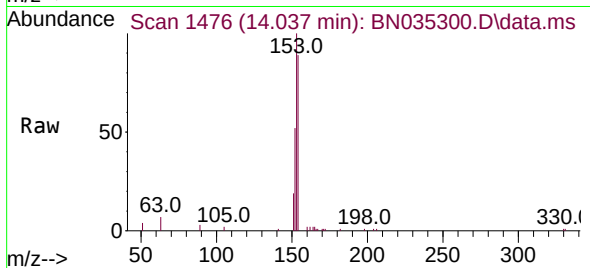
Tgt Ion:154 Resp: 5129

Ion Ratio Lower Upper

154 100

153 115.9 96.1 144.1

152 62.8 72.2 108.2#



#18

Fluorene

Concen: 0.318 ng

RT: 15.031 min Scan# 1569

Delta R.T. -0.004 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

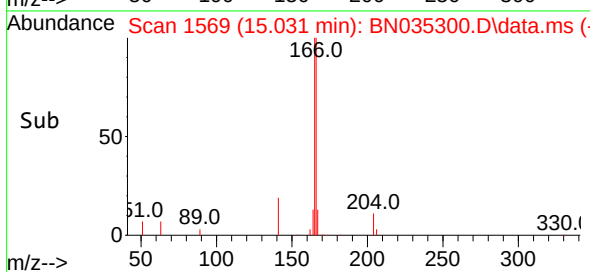
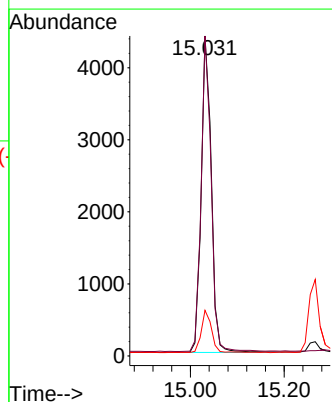
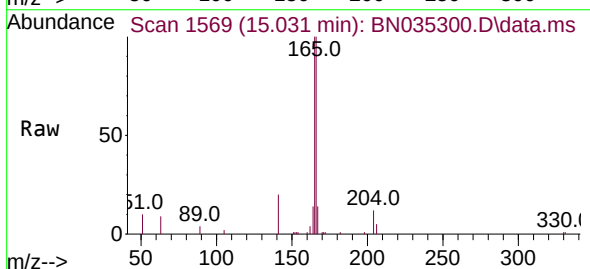
Tgt Ion:166 Resp: 6559

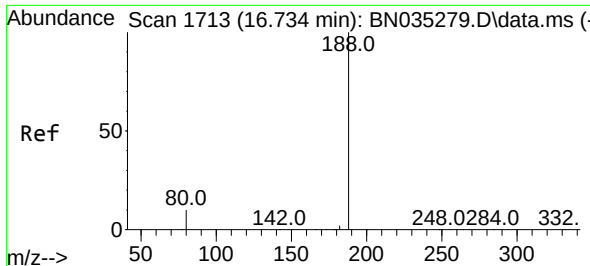
Ion Ratio Lower Upper

166 100

165 98.2 81.2 121.8

167 13.7 10.5 15.7

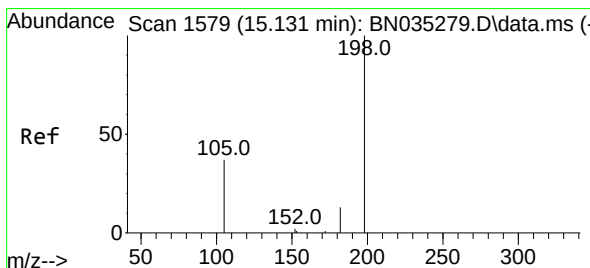
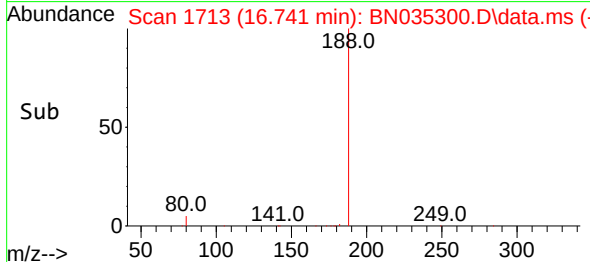
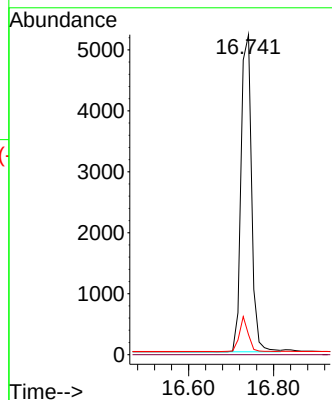
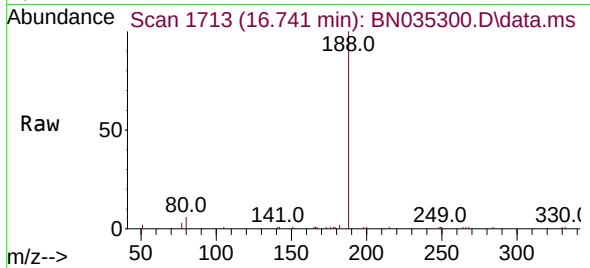




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.741 min Scan# 11
Delta R.T. 0.007 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

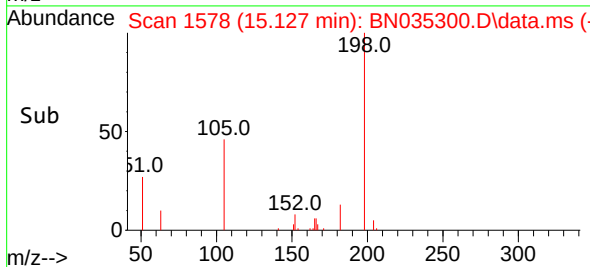
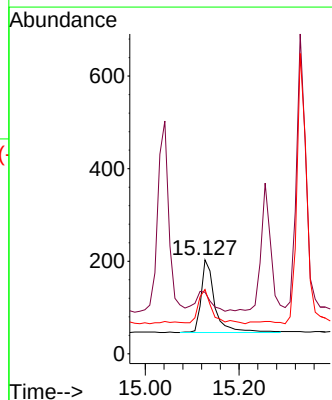
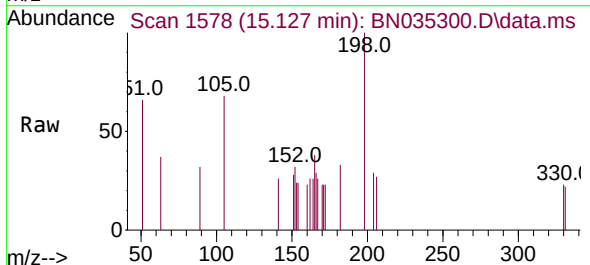
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

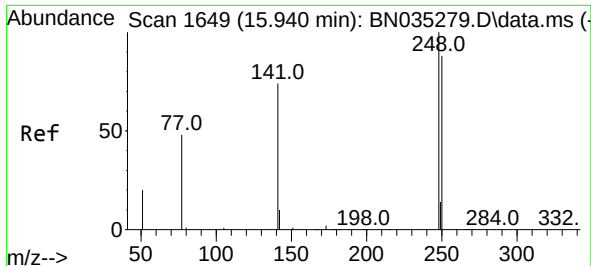
Tgt Ion:188 Resp: 8944
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.2 8.9 13.3#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.436 ng
RT: 15.127 min Scan# 1578
Delta R.T. -0.004 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion:198 Resp: 319
Ion Ratio Lower Upper
198 100
51 65.5 53.6 80.4
105 68.5 47.4 71.2

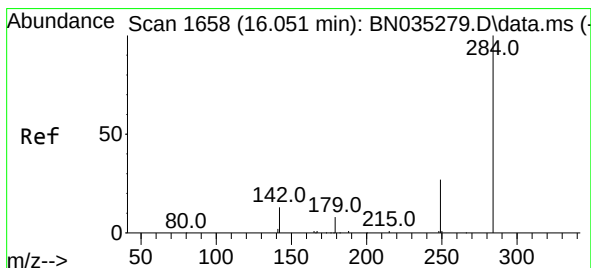
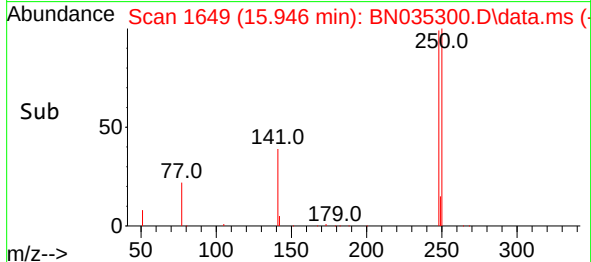
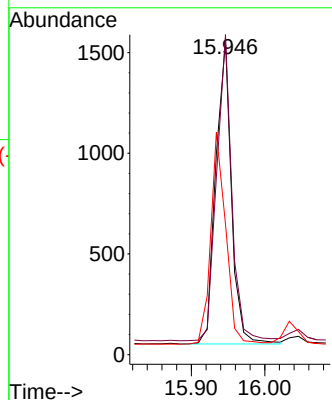
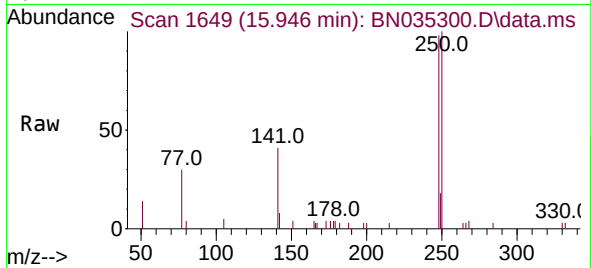




#21
4-Bromophenyl-phenylether
Concen: 0.394 ng
RT: 15.946 min Scan# 1649
Delta R.T. 0.006 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

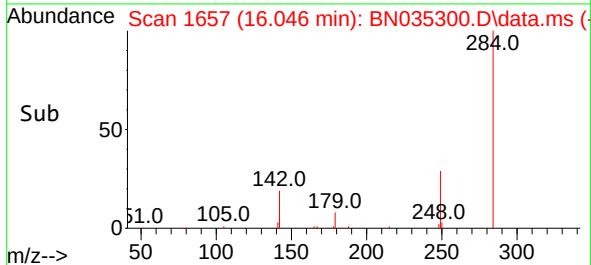
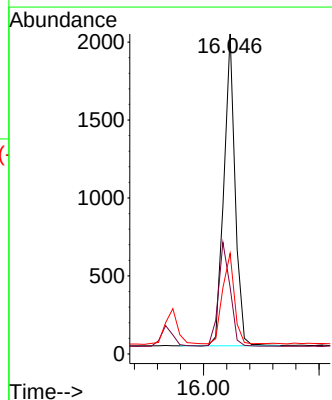
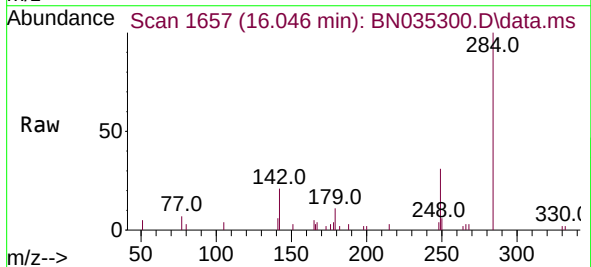
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

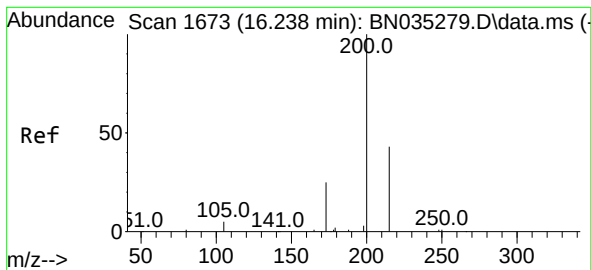
Tgt Ion:248 Resp: 2233
Ion Ratio Lower Upper
248 100
250 102.1 74.8 112.2
141 41.6 59.0 88.4#



#22
Hexachlorobenzene
Concen: 0.335 ng
RT: 16.046 min Scan# 1657
Delta R.T. -0.006 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion:284 Resp: 2720
Ion Ratio Lower Upper
284 100
142 34.9 28.7 43.1
249 30.4 25.4 38.0





#23

Atrazine

Concen: 0.431 ng

RT: 16.232 min Scan# 1

Delta R.T. -0.006 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

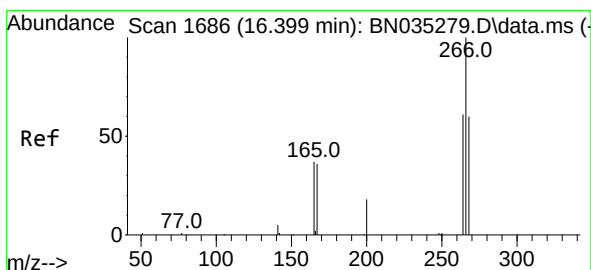
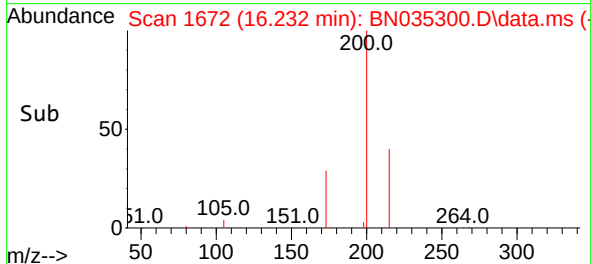
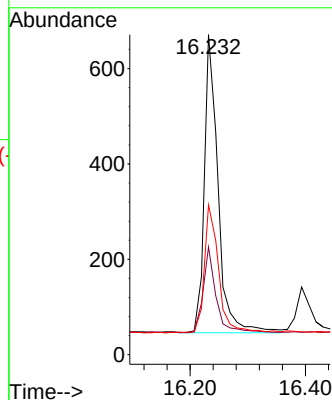
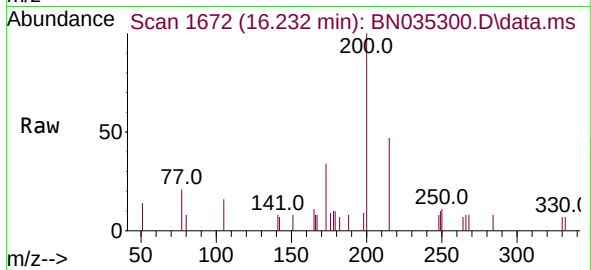
Tgt Ion:200 Resp: 1031

Ion Ratio Lower Upper

200 100

173 33.7 25.8 38.8

215 46.8 38.6 58.0



#24

Pentachlorophenol

Concen: 0.450 ng

RT: 16.393 min Scan# 1685

Delta R.T. -0.006 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

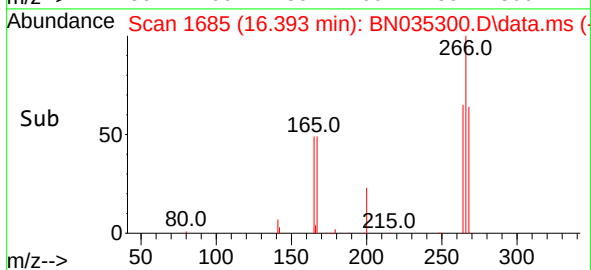
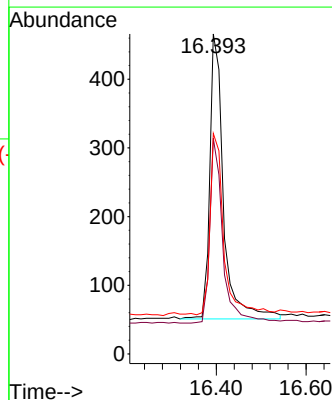
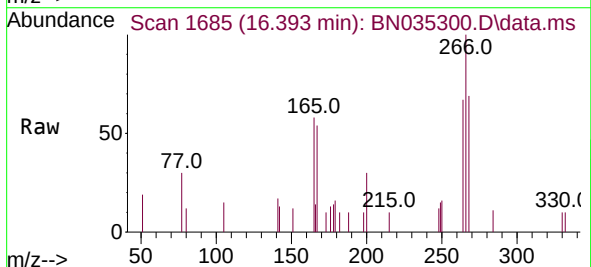
Tgt Ion:266 Resp: 878

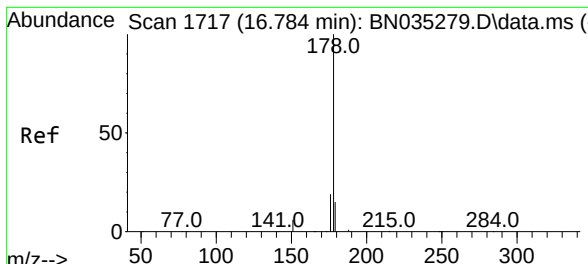
Ion Ratio Lower Upper

266 100

264 61.7 49.3 73.9

268 63.4 48.6 73.0



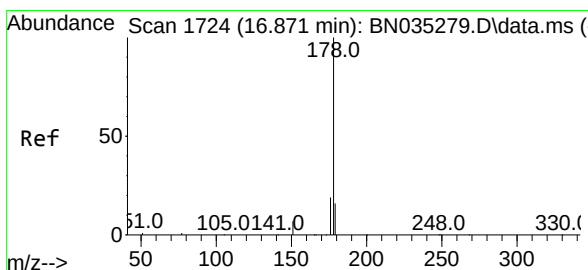
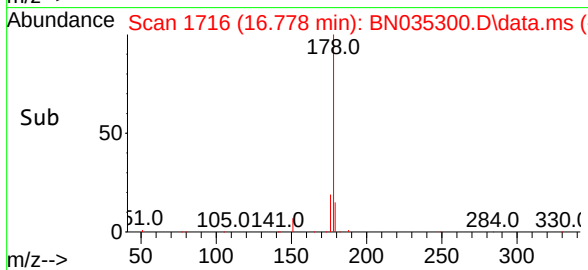
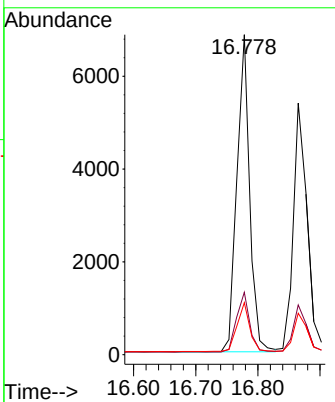
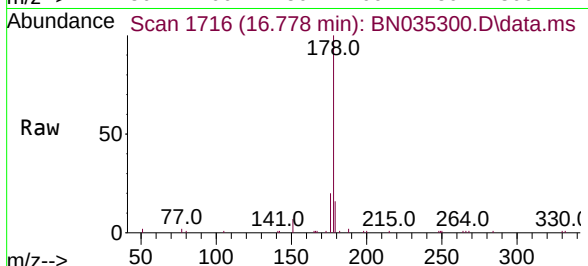


#25
 Phenanthrene
 Concen: 0.356 ng
 RT: 16.778 min Scan# 1716
 Delta R.T. -0.006 min
 Lab File: BN035300.D
 Acq: 26 Nov 2024 03:14

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion:178 Resp: 9774

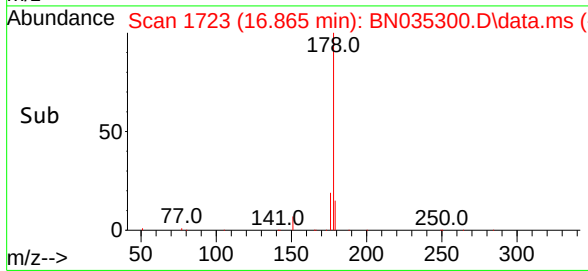
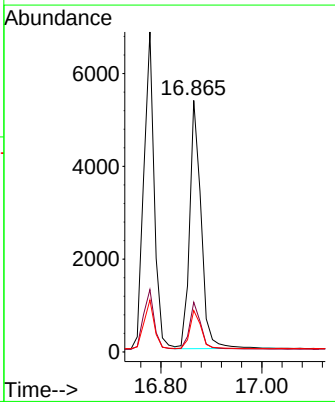
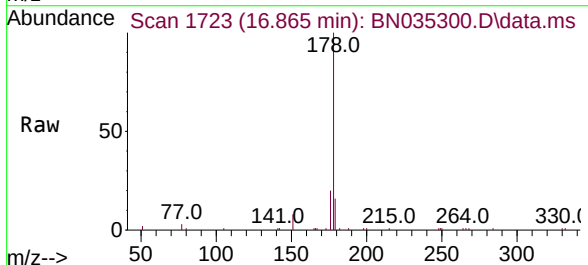
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.6	18.8

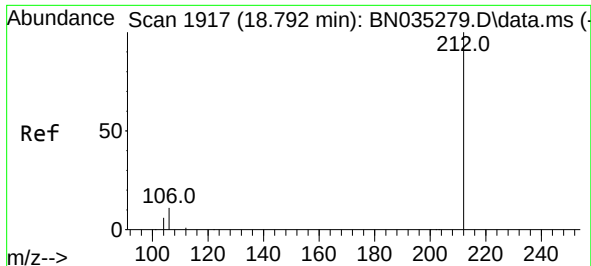


#26
 Anthracene
 Concen: 0.357 ng
 RT: 16.865 min Scan# 1723
 Delta R.T. -0.006 min
 Lab File: BN035300.D
 Acq: 26 Nov 2024 03:14

Tgt Ion:178 Resp: 8425

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.5	12.4	18.6

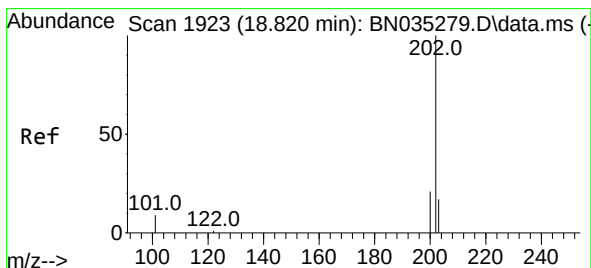
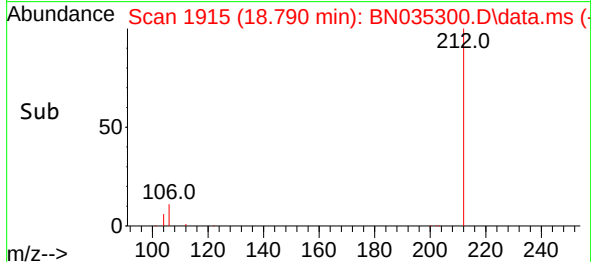
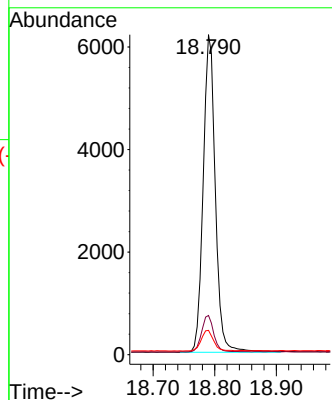
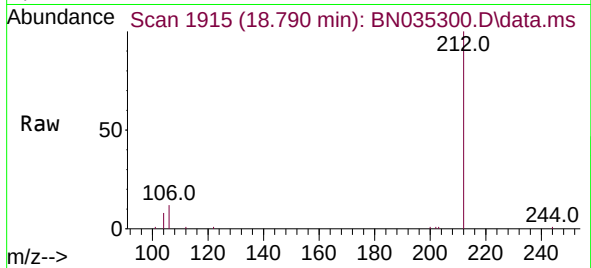




#27
Fluoranthene-d10
Concen: 0.353 ng
RT: 18.790 min Scan# 1915
Delta R.T. -0.002 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

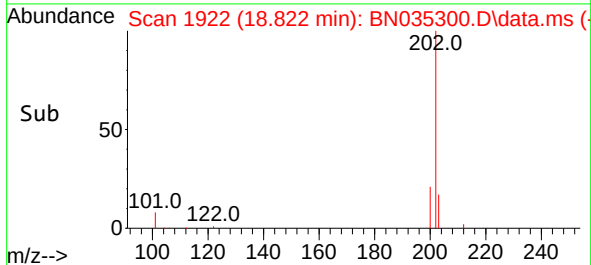
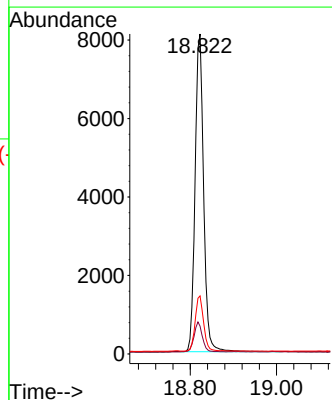
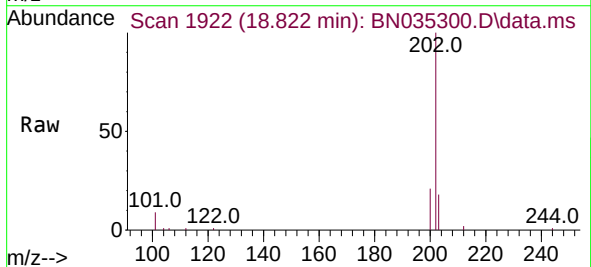
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

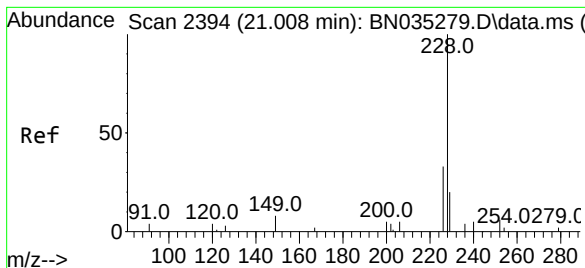
Tgt Ion:212 Resp: 8444
Ion Ratio Lower Upper
212 100
106 11.6 9.8 14.8
104 6.8 5.6 8.4



#28
Fluoranthene
Concen: 0.319 ng
RT: 18.822 min Scan# 1922
Delta R.T. 0.002 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion:202 Resp: 11052
Ion Ratio Lower Upper
202 100
101 9.1 7.6 11.4
203 17.1 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.006 min Scan# 21

Delta R.T. -0.002 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

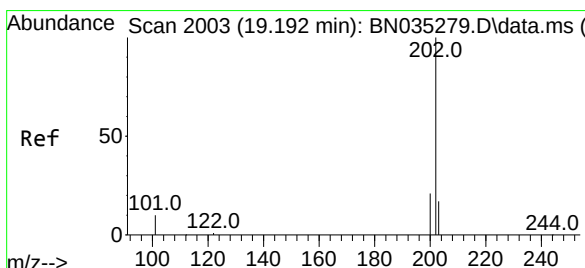
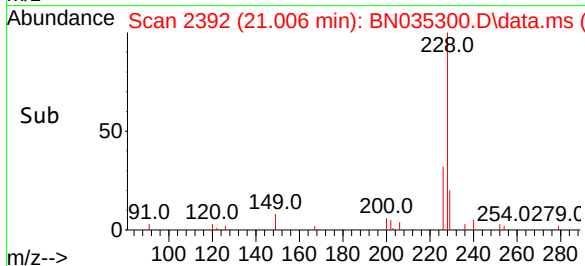
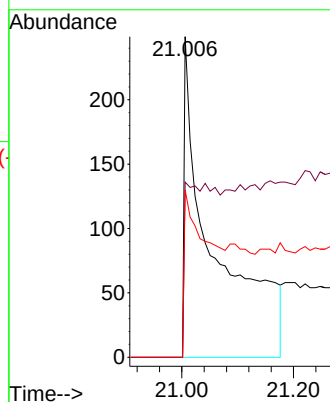
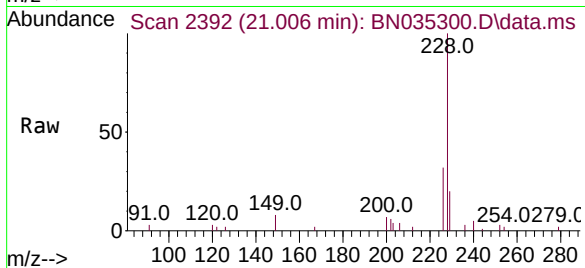
Tgt Ion:240 Resp: 871

Ion Ratio Lower Upper

240 100

120 54.6 54.9 82.3#

236 52.2 54.0 81.0#



#30

Pyrene

Concen: 0.351 ng

RT: 19.189 min Scan# 2001

Delta R.T. -0.003 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

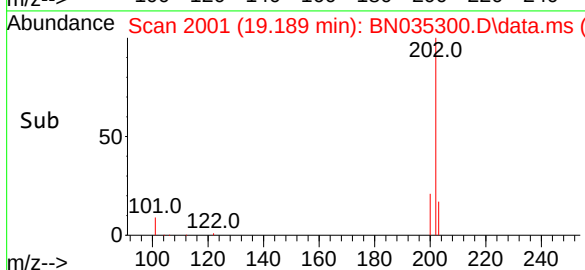
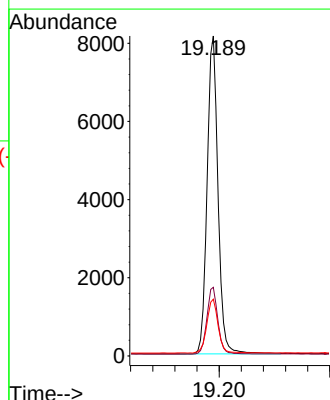
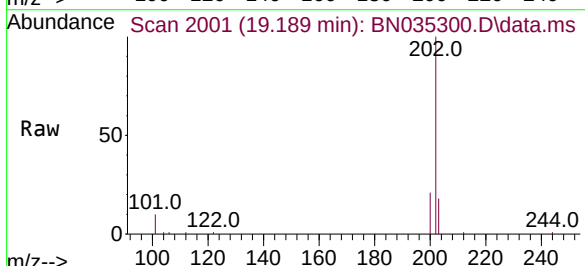
Tgt Ion:202 Resp: 11118

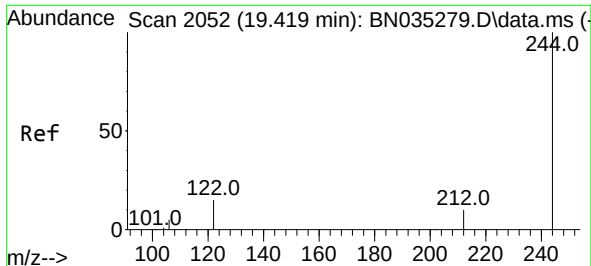
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 17.6 14.4 21.6

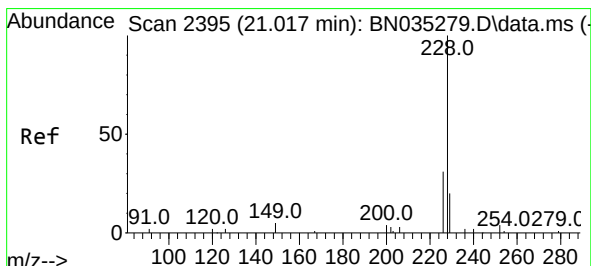
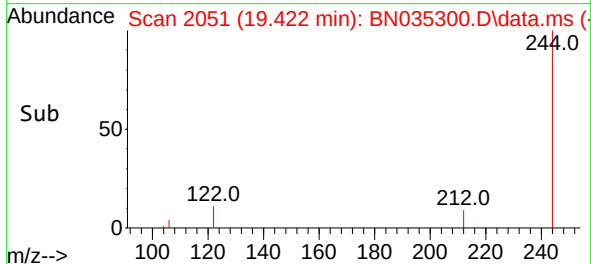
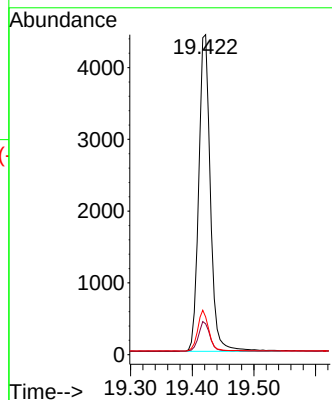
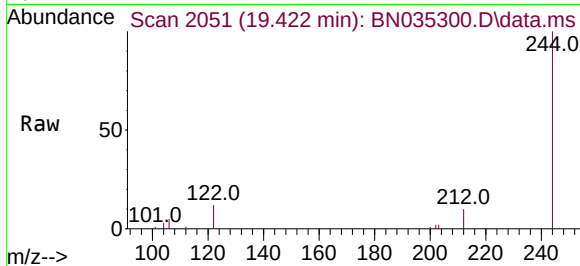




#31
 Terphenyl-d14
 Concen: 0.361 ng
 RT: 19.422 min Scan# 2051
 Delta R.T. 0.003 min
 Lab File: BN035300.D
 Acq: 26 Nov 2024 03:14

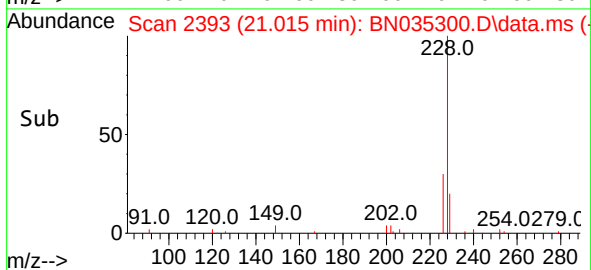
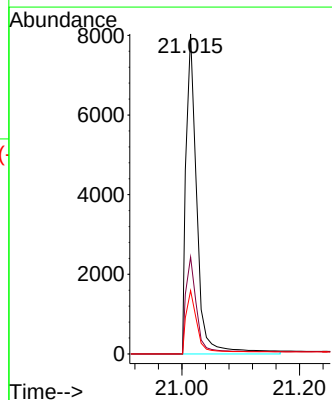
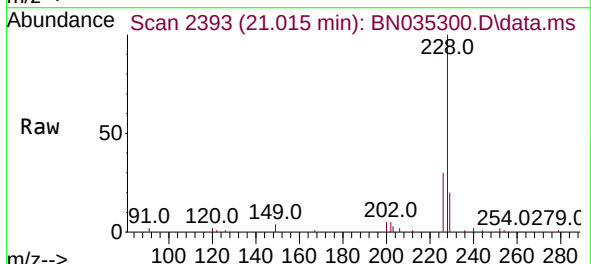
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

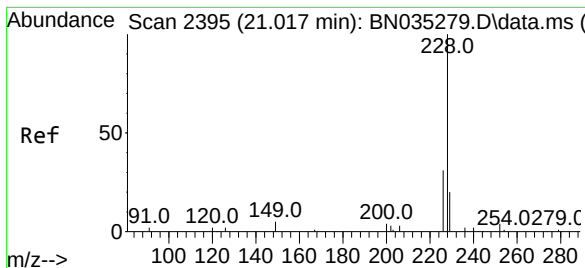
Tgt Ion:244 Resp: 5811
 Ion Ratio Lower Upper
 244 100
 212 9.6 9.4 14.0
 122 11.8 13.0 19.4#



#32
 Benzo(a)anthracene
 Concen: 0.342 ng
 RT: 21.015 min Scan# 2393
 Delta R.T. -0.002 min
 Lab File: BN035300.D
 Acq: 26 Nov 2024 03:14

Tgt Ion:228 Resp: 10362
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.7 37.1
 229 19.8 16.2 24.2





#33

Chrysene

Concen: 0.342 ng

RT: 21.015 min Scan# 21

Delta R.T. -0.002 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

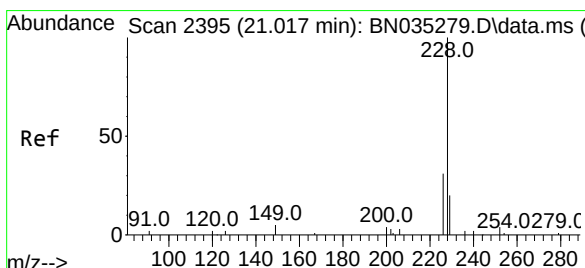
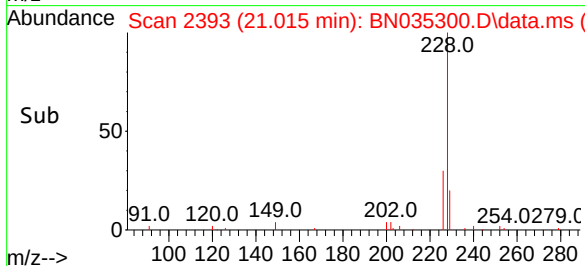
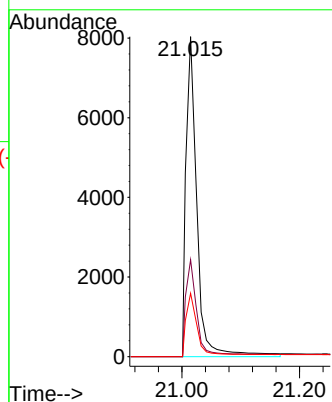
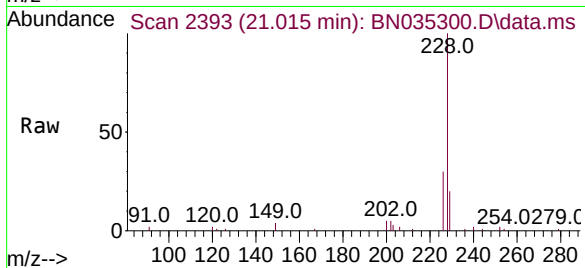
Tgt Ion:228 Resp: 10362

Ion Ratio Lower Upper

228 100

226 30.3 24.7 37.1

229 19.8 16.2 24.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.358 ng

RT: 21.015 min Scan# 2393

Delta R.T. -0.002 min

Lab File: BN035300.D

Acq: 26 Nov 2024 03:14

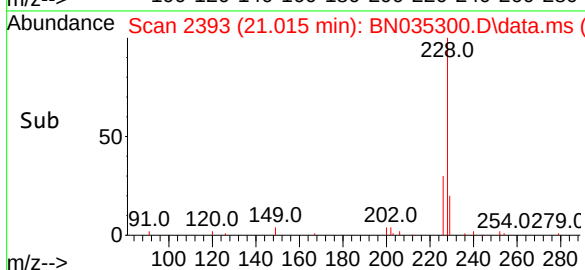
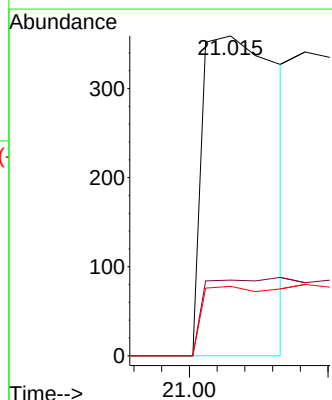
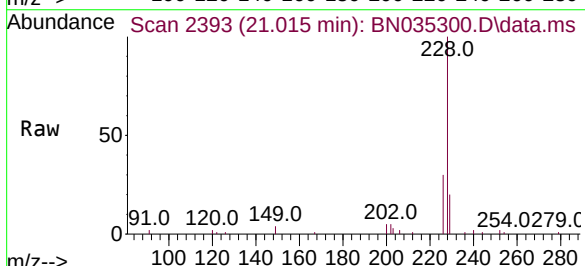
Tgt Ion:149 Resp: 596

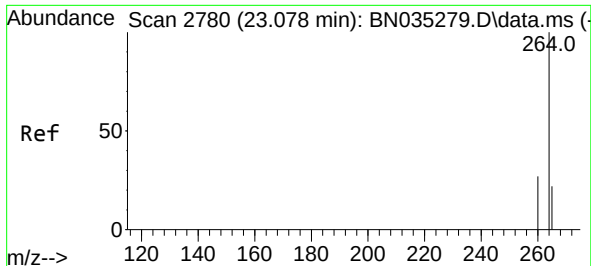
Ion Ratio Lower Upper

149 100

167 32.0 0.0 0.0#

279 15.4 13.0 19.6

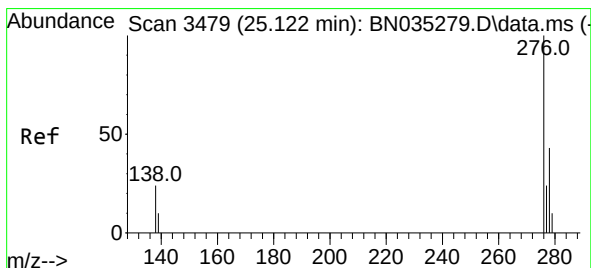
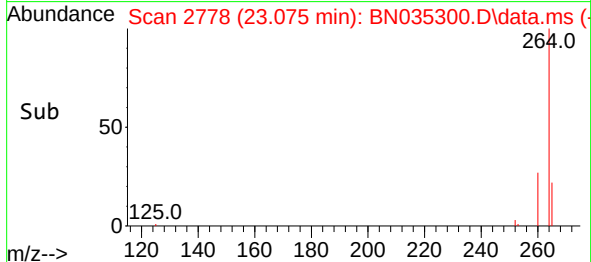
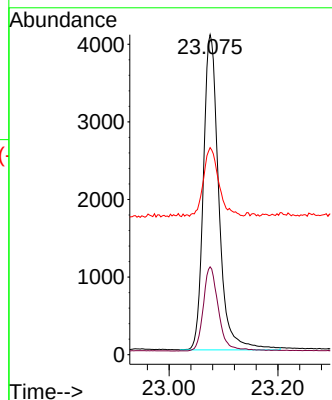
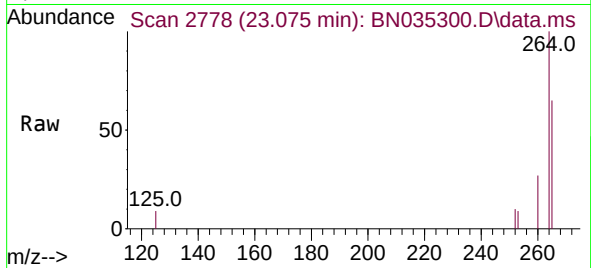




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.075 min Scan# 21
Delta R.T. -0.002 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

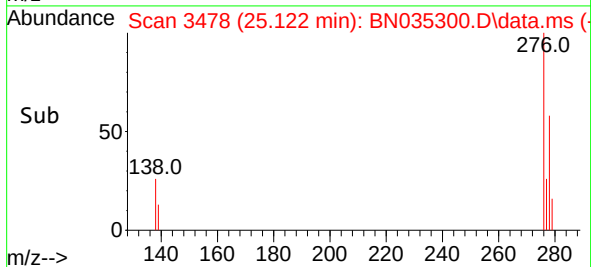
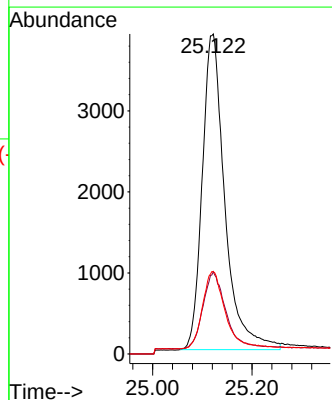
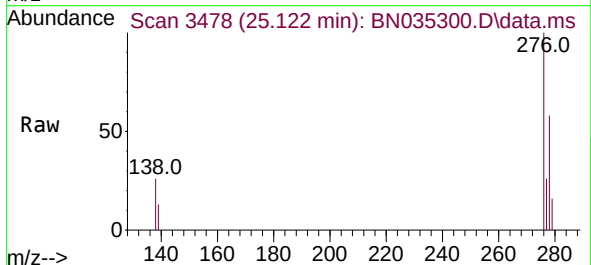
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

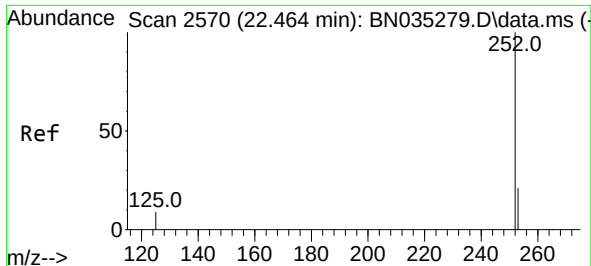
Tgt Ion:264 Resp: 8001
Ion Ratio Lower Upper
264 100
260 27.4 22.3 33.5
265 64.7 68.6 103.0#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.376 ng
RT: 25.122 min Scan# 3478
Delta R.T. 0.000 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

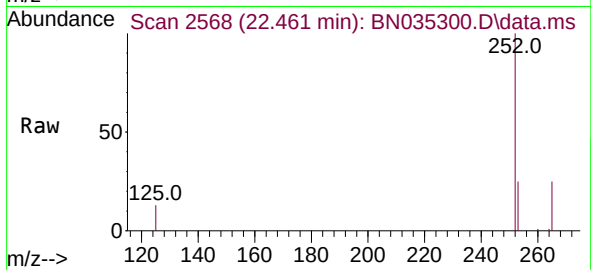
Tgt Ion:276 Resp: 12330
Ion Ratio Lower Upper
276 100
138 23.7 18.8 28.2
277 24.0 18.2 27.4



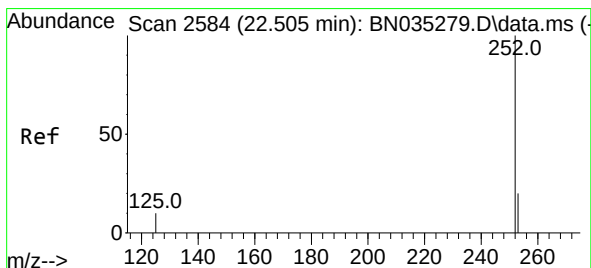
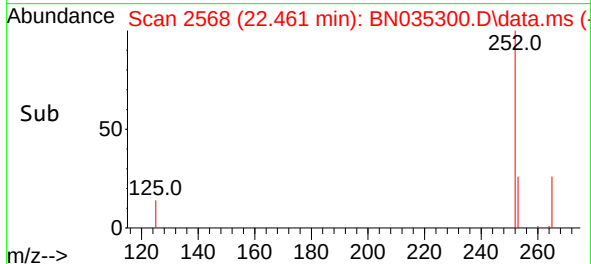
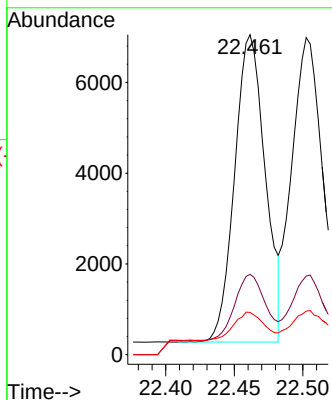


#37
Benzo(b)fluoranthene
Concen: 0.302 ng
RT: 22.461 min Scan# 2568
Delta R.T. -0.002 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

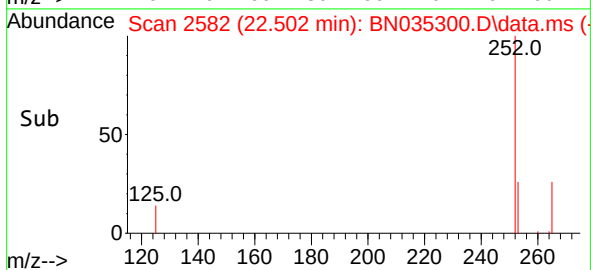
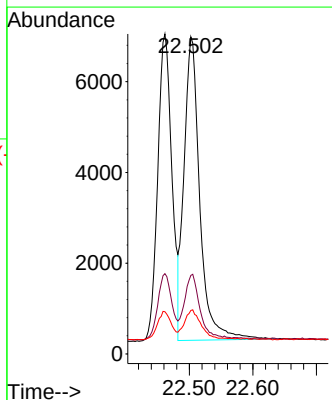
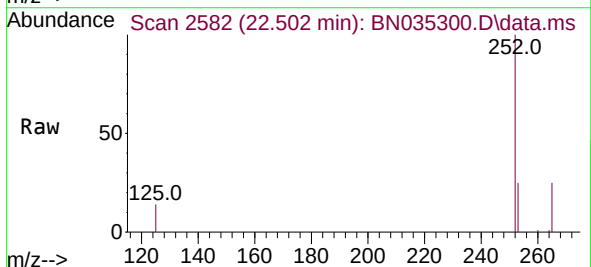


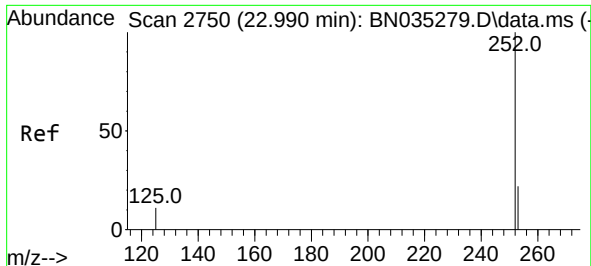
Tgt Ion:252 Resp: 10486
Ion Ratio Lower Upper
252 100
253 25.1 20.2 30.2
125 13.2 12.0 18.0



#38
Benzo(k)fluoranthene
Concen: 0.313 ng
RT: 22.502 min Scan# 2582
Delta R.T. -0.002 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

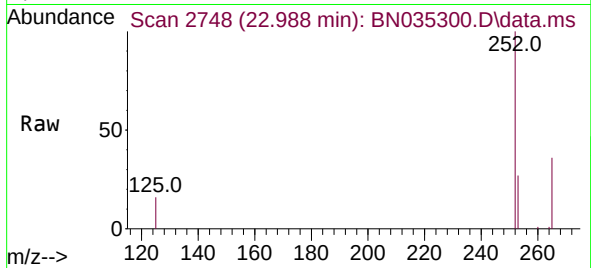
Tgt Ion:252 Resp: 11527
Ion Ratio Lower Upper
252 100
253 24.8 20.1 30.1
125 13.7 12.7 19.1



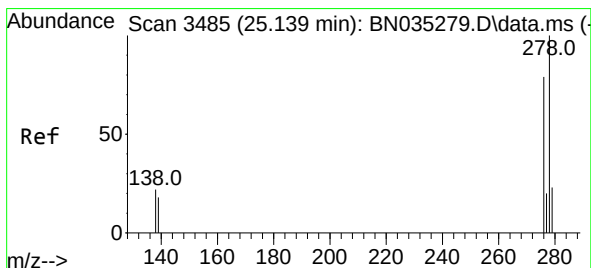
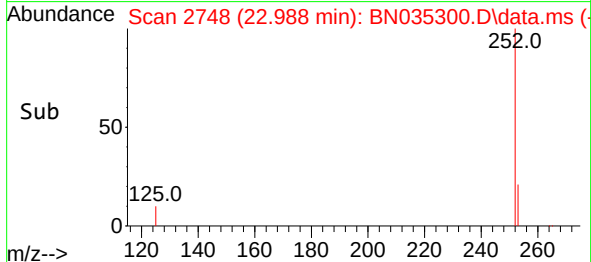
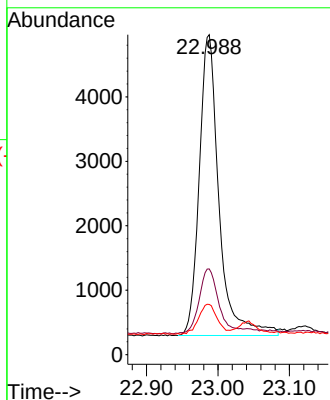


#39
Benzo(a)pyrene
Concen: 0.337 ng
RT: 22.988 min Scan# 21
Delta R.T. -0.002 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

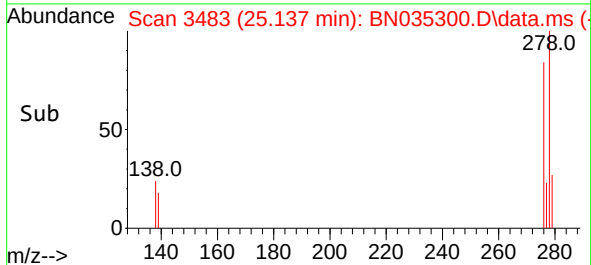
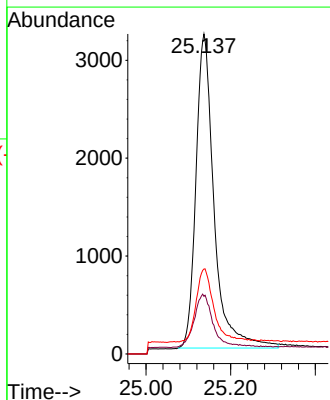
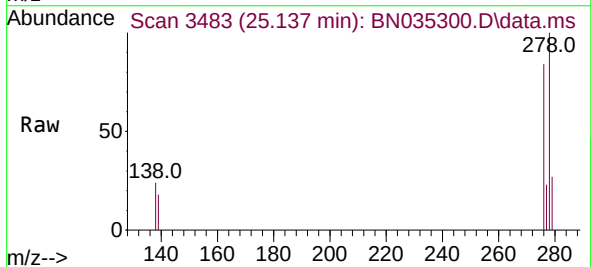


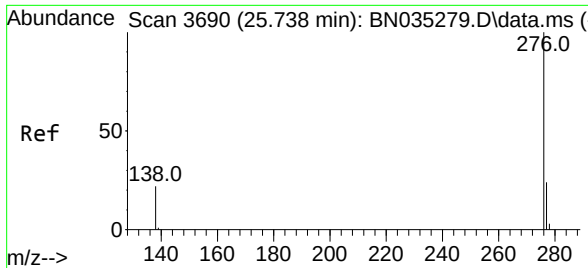
Tgt Ion:252 Resp: 8958
Ion Ratio Lower Upper
252 100
253 26.8 22.3 33.5
125 15.7 15.3 22.9



#40
Dibenzo(a,h)anthracene
Concen: 0.386 ng
RT: 25.137 min Scan# 3483
Delta R.T. -0.002 min
Lab File: BN035300.D
Acq: 26 Nov 2024 03:14

Tgt Ion:278 Resp: 9558
Ion Ratio Lower Upper
278 100
139 18.0 17.0 25.6
279 26.6 23.0 34.4

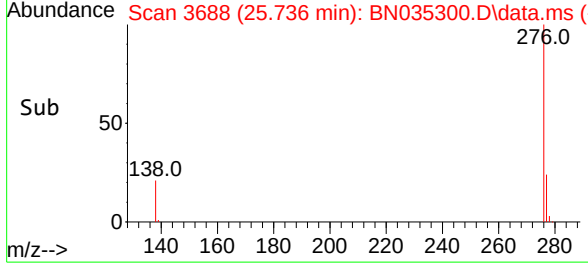
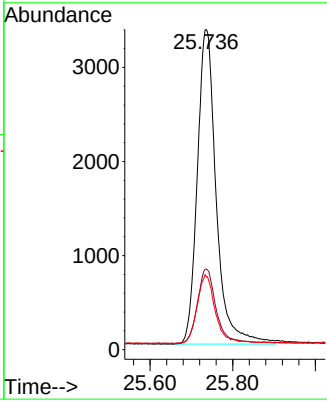
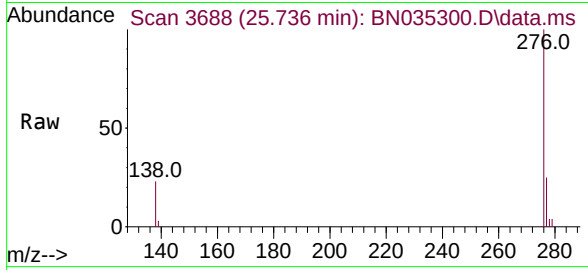




#41
 Benzo(g,h,i)perylene
 Concen: 0.372 ng
 RT: 25.736 min Scan# 30
 Delta R.T. -0.002 min
 Lab File: BN035300.D
 Acq: 26 Nov 2024 03:14

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion:	276	Resp:	10647
Ion Ratio	Lower	Upper	
276	100		
277	25.2	21.1	31.7
138	22.7	19.8	29.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035350.D
 Acq On : 27 Nov 2024 15:34
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Nov 27 22:52:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 22:48:24 2024
 Response via : Initial Calibration

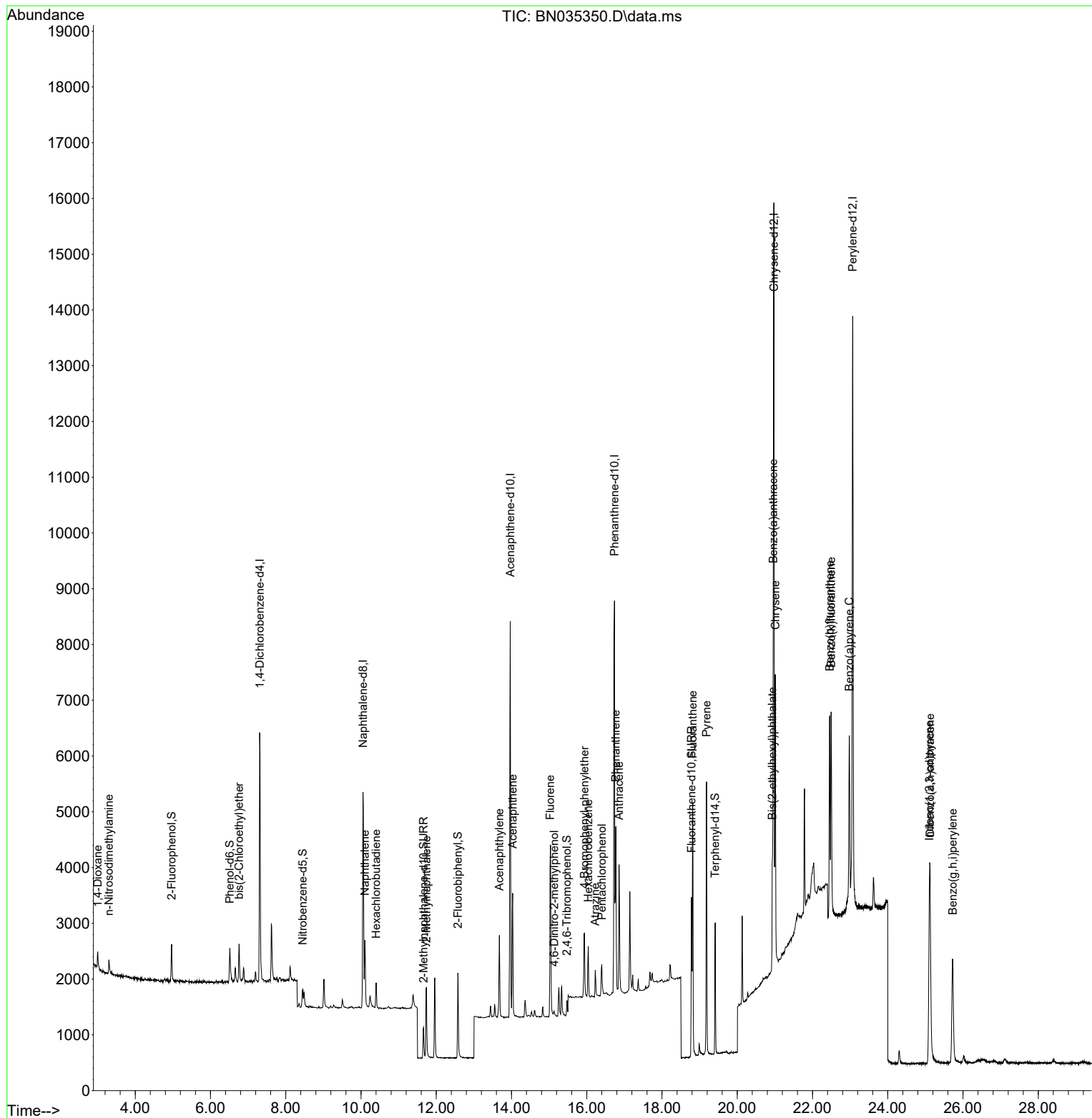
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2237	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5753	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	4077	0.400	ng	0.00
19) Phenanthrene-d10	16.736	188	10855	0.400	ng	0.00
29) Chrysene-d12	20.974	240	11269	0.400	ng	0.00
35) Perylene-d12	23.067	264	13004	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	573	0.101	ng	0.00
5) Phenol-d6	6.513	99	686	0.096	ng	0.00
8) Nitrobenzene-d5	8.450	82	492	0.098	ng	0.01
11) 2-Methylnaphthalene-d10	11.661	152	850	0.083	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	278	0.095	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	1518	0.092	ng	0.00
27) Fluoranthene-d10	18.785	212	3265	0.098	ng	0.00
31) Terphenyl-d14	19.412	244	2344	0.099	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.003	88	227	0.112	ng	# 87
3) n-Nitrosodimethylamine	3.299	42	187	0.099	ng	# 90
6) bis(2-Chloroethyl)ether	6.759	93	579	0.108	ng	98
9) Naphthalene	10.105	128	1527	0.102	ng	# 91
10) Hexachlorobutadiene	10.404	225	352	0.080	ng	# 97
12) 2-Methylnaphthalene	11.737	142	1042	0.094	ng	96
16) Acenaphthylene	13.679	152	1675	0.096	ng	100
17) Acenaphthene	14.031	154	1143	0.100	ng	99
18) Fluorene	15.026	166	1620	0.096	ng	98
20) 4,6-Dinitro-2-methylph...	15.133	198	103	0.046	ng	# 29
21) 4-Bromophenyl-phenylether	15.941	248	612	0.088	ng	# 94
22) Hexachlorobenzene	16.041	284	720	0.100	ng	97
23) Atrazine	16.227	200	421	0.068	ng	# 86
24) Pentachlorophenol	16.401	266	381	0.114	ng	90
25) Phenanthrene	16.773	178	2963	0.104	ng	99
26) Anthracene	16.860	178	2617	0.100	ng	98
28) Fluoranthene	18.817	202	4173	0.106	ng	99
30) Pyrene	19.184	202	4461	0.119	ng	100
32) Benzo(a)anthracene	20.956	228	4031	0.103	ng	99
33) Chrysene	21.010	228	4123	0.106	ng	97
34) Bis(2-ethylhexyl)phtha...	20.929	149	1999	0.097	ng	99
36) Indeno(1,2,3-cd)pyrene	25.105	276	4586	0.088	ng	97
37) Benzo(b)fluoranthene	22.456	252	4243	0.097	ng	# 82
38) Benzo(k)fluoranthene	22.494	252	4378	0.100	ng	# 80
39) Benzo(a)pyrene	22.977	252	3913	0.102	ng	# 69
40) Dibenzo(a,h)anthracene	25.126	278	3588	0.087	ng	# 86
41) Benzo(g,h,i)perylene	25.725	276	3863	0.088	ng	# 93

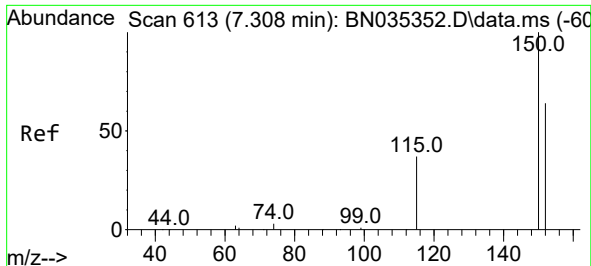
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN035350.D
Acq On : 27 Nov 2024 15:34
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

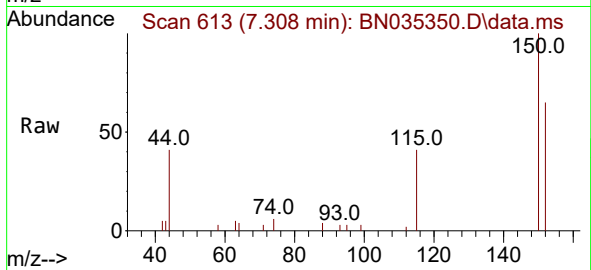
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration



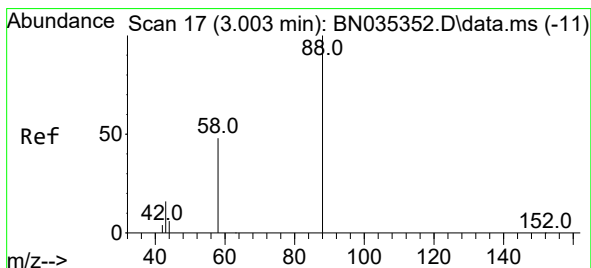
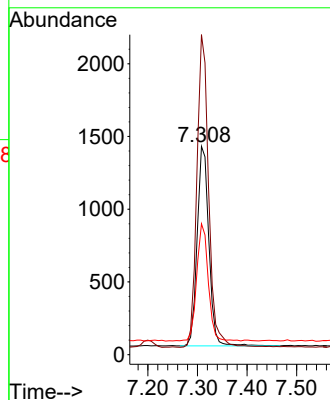
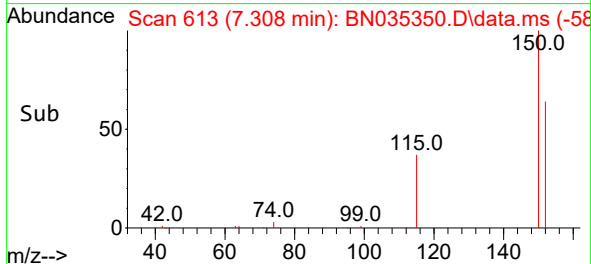


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.308 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

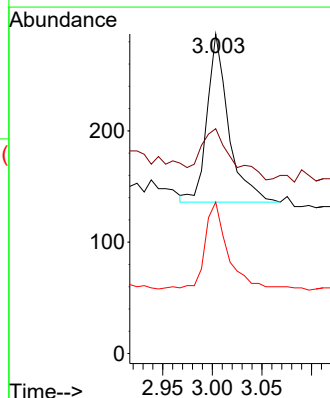
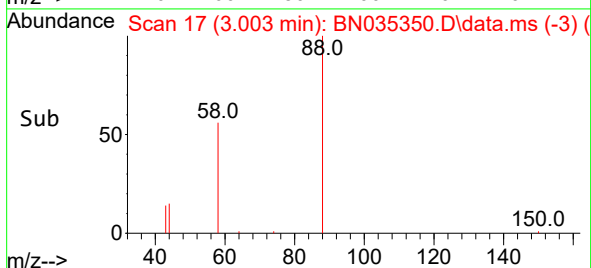
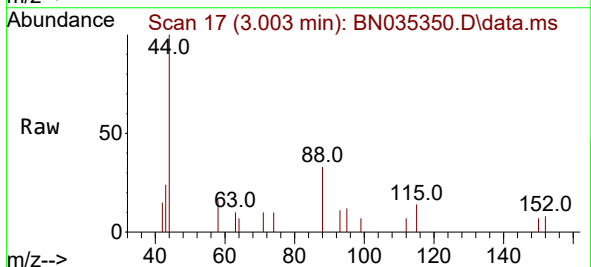


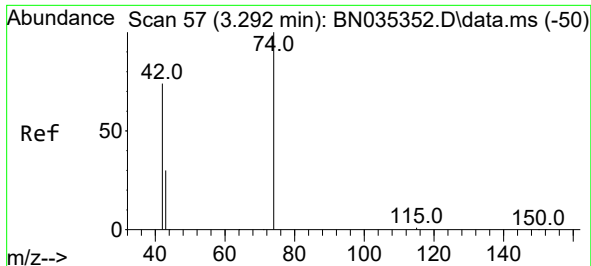
Tgt Ion:152 Resp: 2237
Ion Ratio Lower Upper
152 100
150 153.6 124.0 186.0
115 62.8 49.6 74.4



#2
1,4-Dioxane
Concen: 0.112 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion: 88 Resp: 227
Ion Ratio Lower Upper
88 100
43 41.4 17.2 25.8#
58 54.6 44.5 66.7

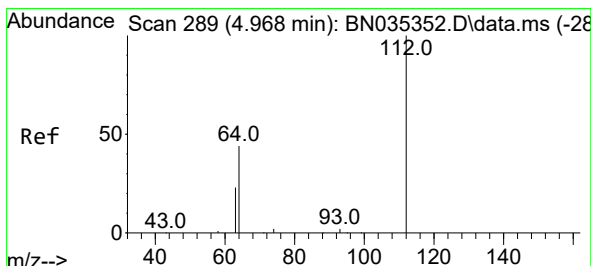
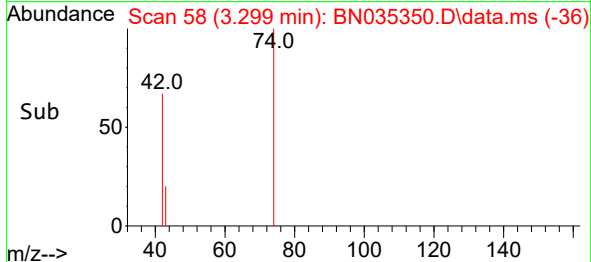
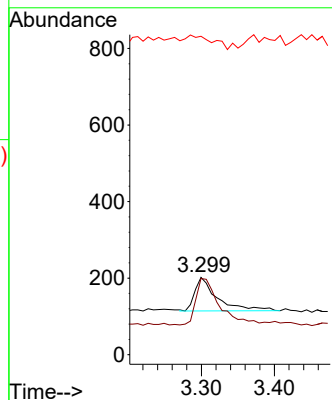
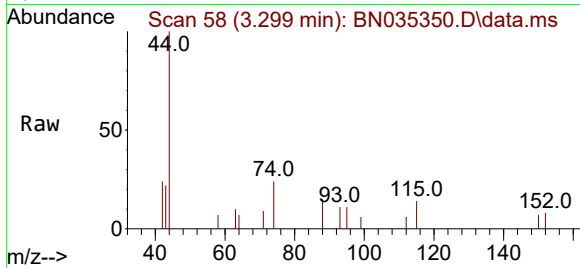




#3
n-Nitrosodimethylamine
Concen: 0.099 ng
RT: 3.299 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

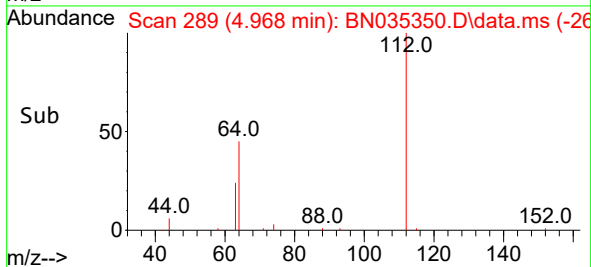
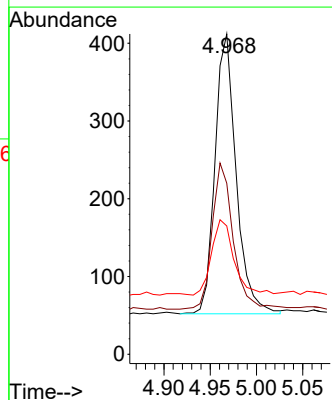
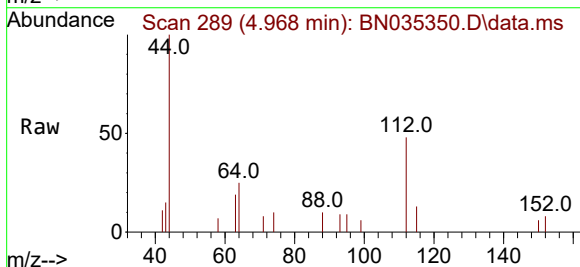
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

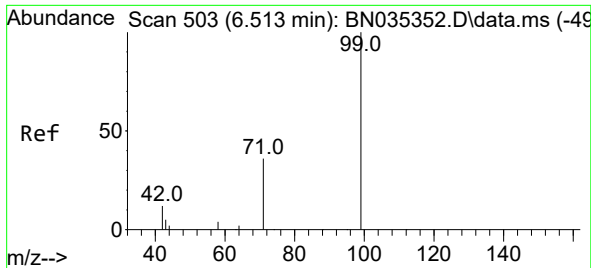
Tgt Ion: 42 Resp: 187
Ion Ratio Lower Upper
42 100
74 146.5 124.9 187.3
44 51.9 2.2 3.4#



#4
2-Fluorophenol
Concen: 0.101 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion: 112 Resp: 573
Ion Ratio Lower Upper
112 100
64 52.0 39.8 59.8
63 28.8 21.0 31.6

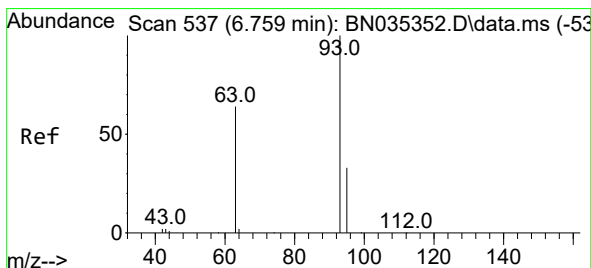
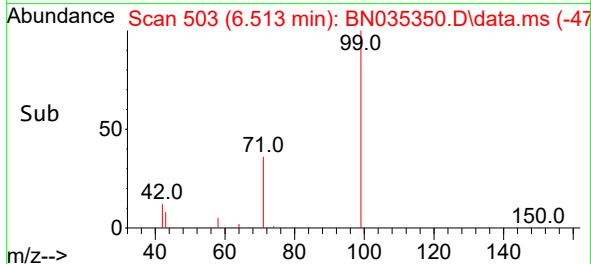
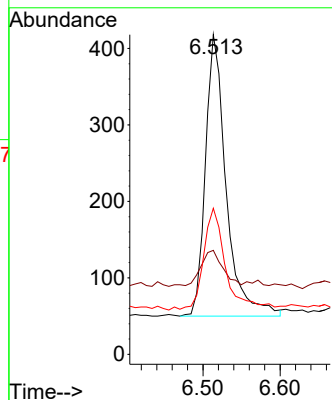
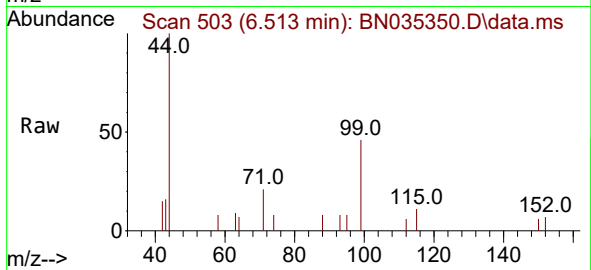




#5
Phenol-d6
Concen: 0.096 ng
RT: 6.513 min Scan# 503
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

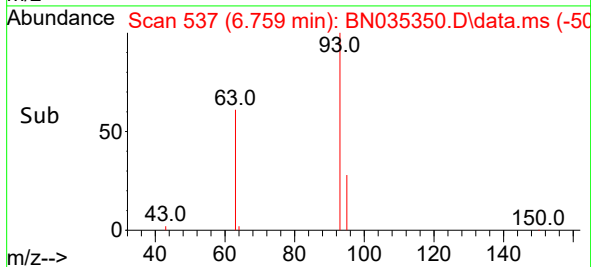
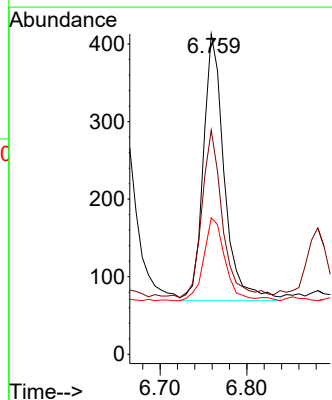
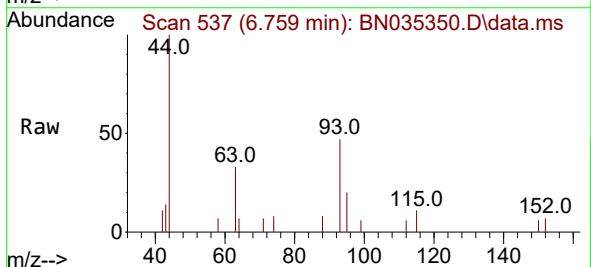
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

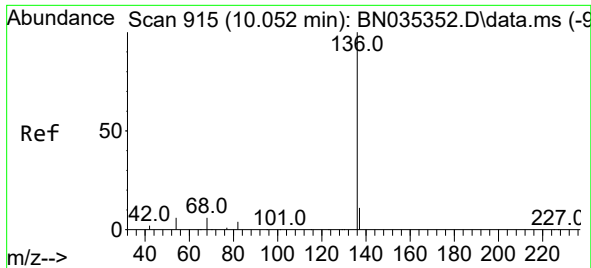
Tgt Ion: 99 Resp: 686
Ion Ratio Lower Upper
99 100
42 13.7 11.4 17.2
71 38.9 29.3 43.9



#6
bis(2-Chloroethyl)ether
Concen: 0.108 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion: 93 Resp: 579
Ion Ratio Lower Upper
93 100
63 61.7 50.4 75.6
95 31.3 25.7 38.5

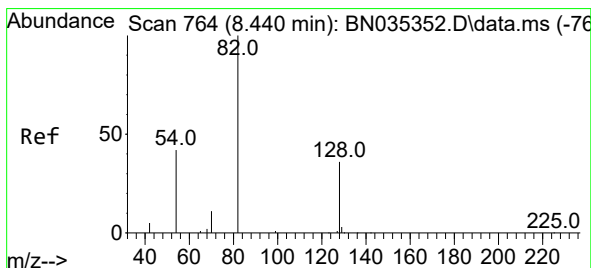
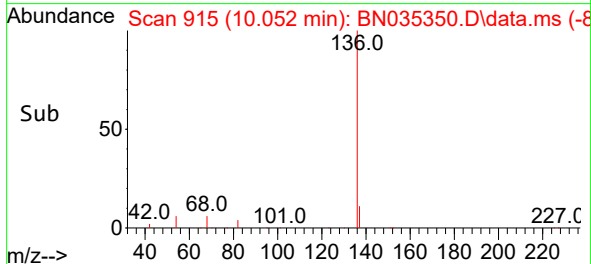
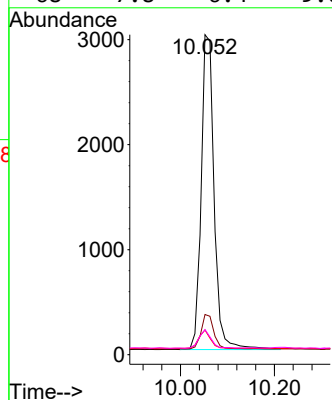
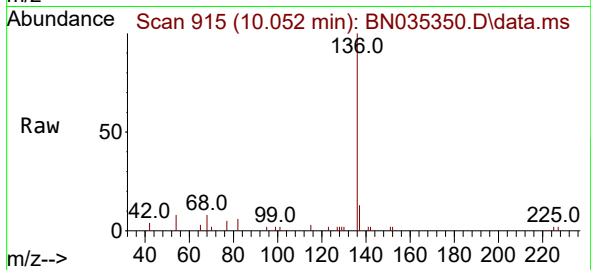




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

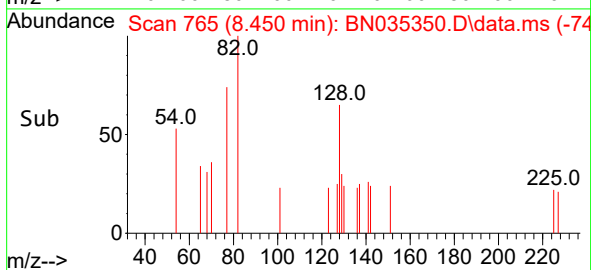
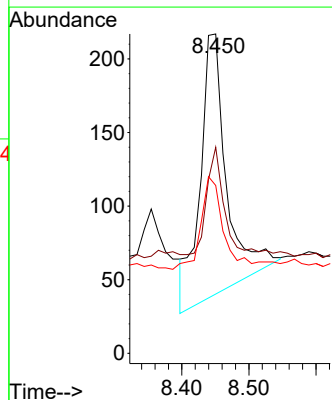
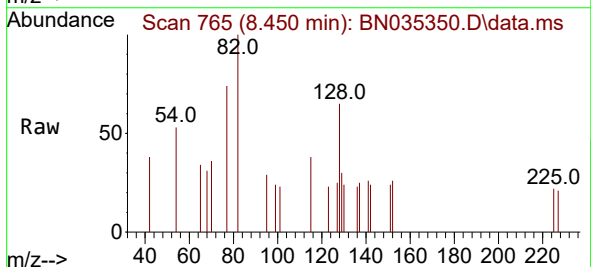
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

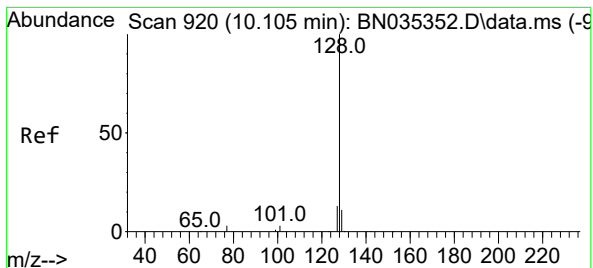
Tgt Ion:	136	Resp:	5753
Ion	Ratio	Lower	Upper
136	100		
137	12.6	10.2	15.2
54	7.7	6.1	9.1
68	7.8	6.4	9.6



#8
Nitrobenzene-d5
Concen: 0.098 ng
RT: 8.450 min Scan# 765
Delta R.T. 0.011 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:	82	Resp:	492
Ion	Ratio	Lower	Upper
82	100		
128	64.5	33.4	50.0#
54	52.5	36.7	55.1





#9

Naphthalene

Concen: 0.102 ng

RT: 10.105 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

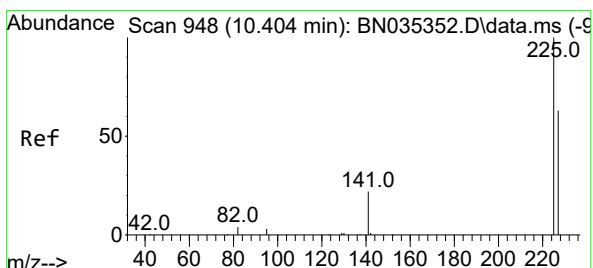
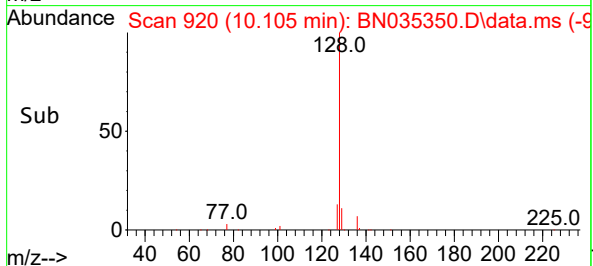
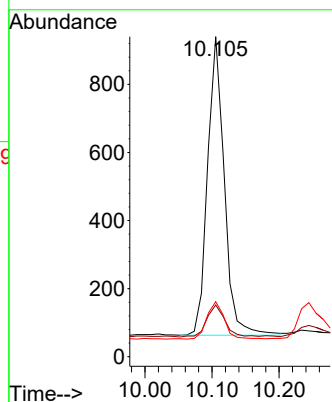
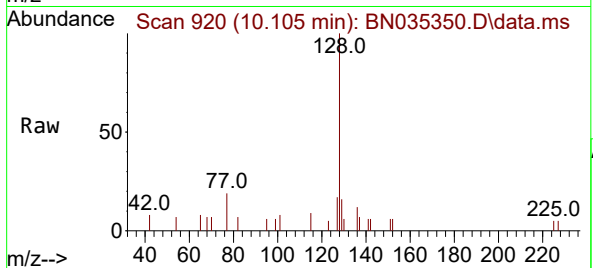
Tgt Ion:128 Resp: 1527

Ion Ratio Lower Upper

128 100

129 16.2 9.8 14.6#

127 17.2 11.4 17.2#



#10

Hexachlorobutadiene

Concen: 0.080 ng

RT: 10.404 min Scan# 948

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

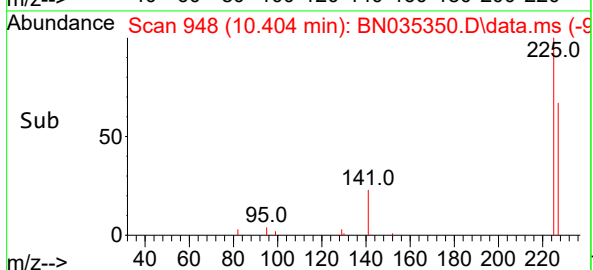
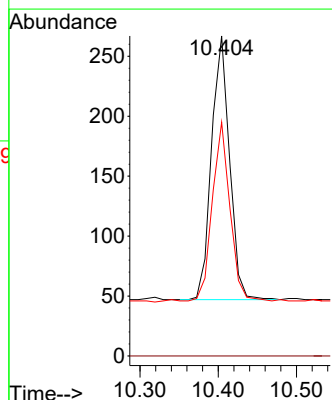
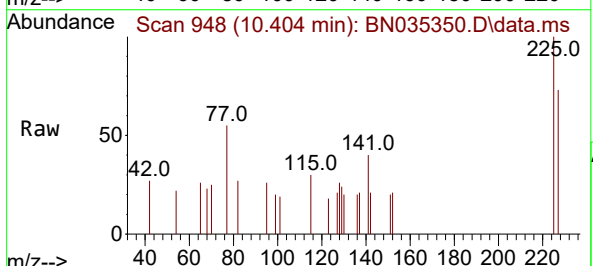
Tgt Ion:225 Resp: 352

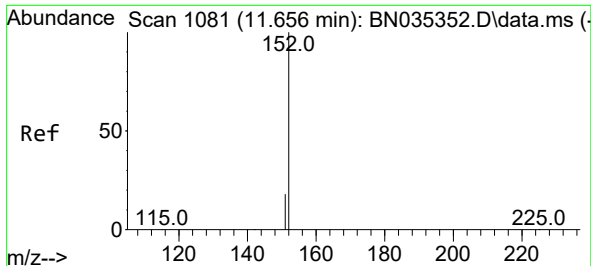
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 66.2 51.3 76.9

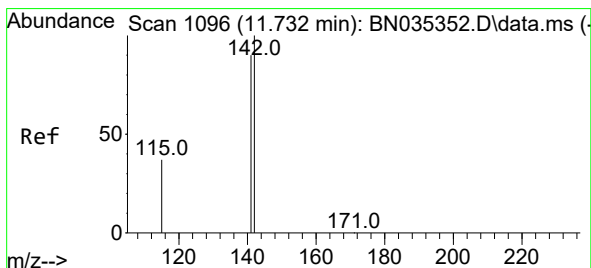
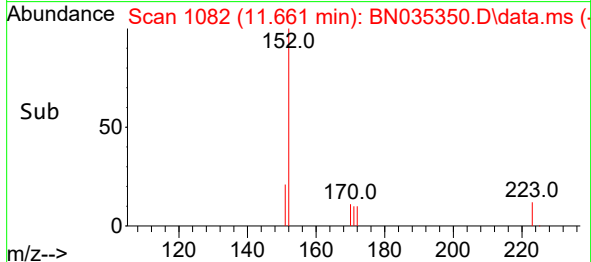
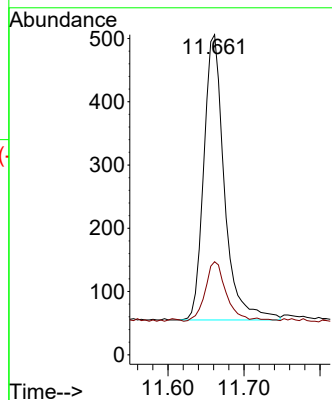
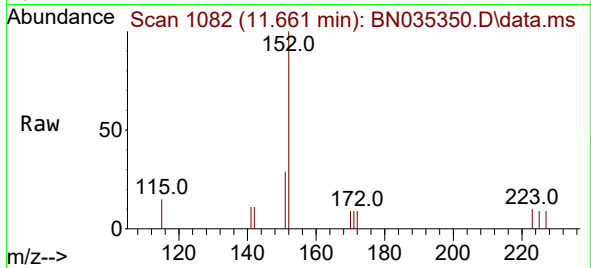




#11
2-Methylnaphthalene-d10
Concen: 0.083 ng
RT: 11.661 min Scan# 1082
Delta R.T. 0.005 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

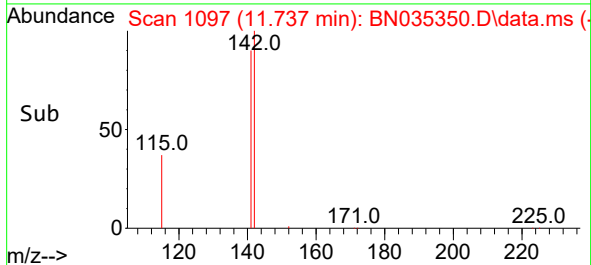
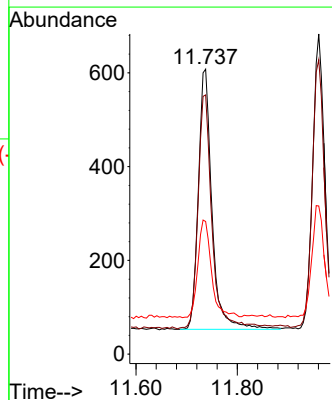
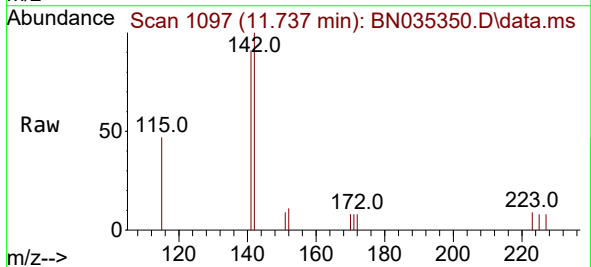
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

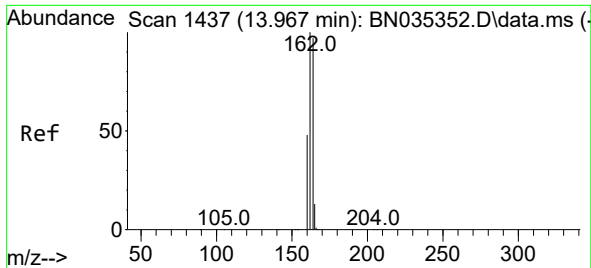
Tgt Ion:152 Resp: 850
Ion Ratio Lower Upper
152 100
151 21.1 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.094 ng
RT: 11.737 min Scan# 1097
Delta R.T. 0.005 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:142 Resp: 1042
Ion Ratio Lower Upper
142 100
141 91.0 72.2 108.4
115 46.5 31.4 47.0

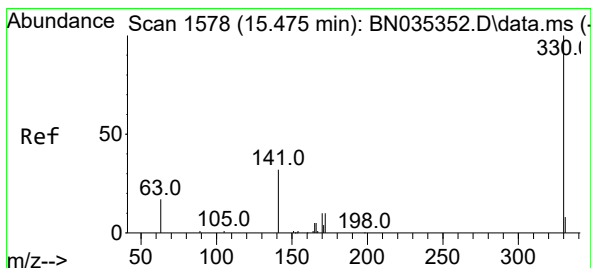
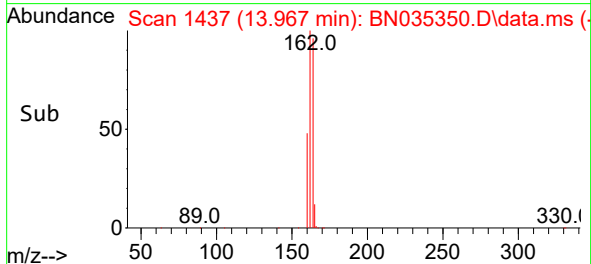
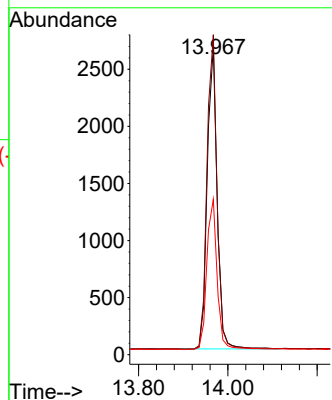
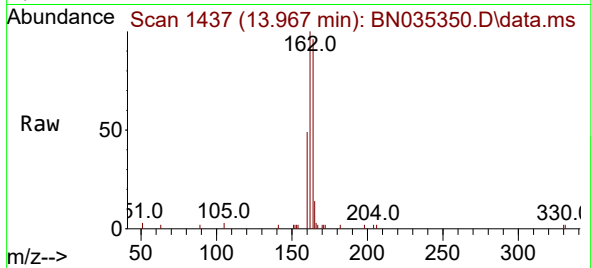




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

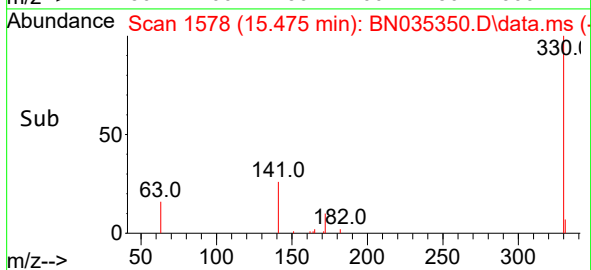
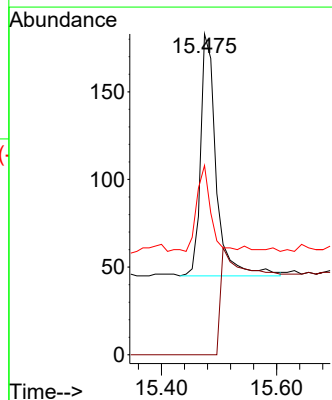
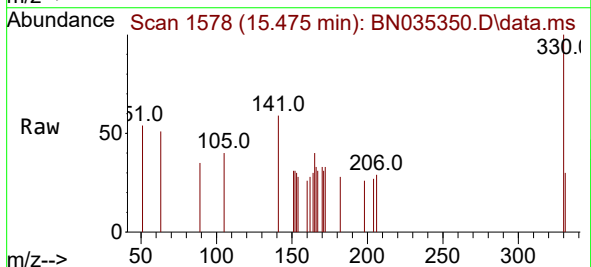
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

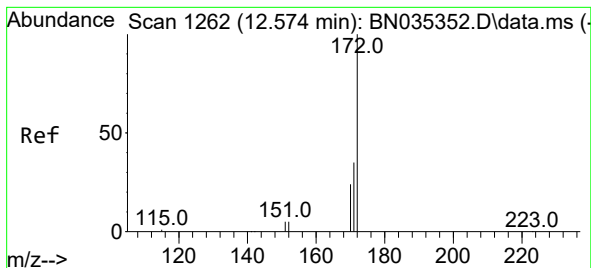
Tgt Ion:164 Resp: 4077
Ion Ratio Lower Upper
164 100
162 103.9 82.2 123.2
160 50.4 40.1 60.1



#14
2,4,6-Tribromophenol
Concen: 0.095 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:330 Resp: 278
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 29.1 26.6 40.0





#15

2-Fluorobiphenyl

Concen: 0.092 ng

RT: 12.574 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

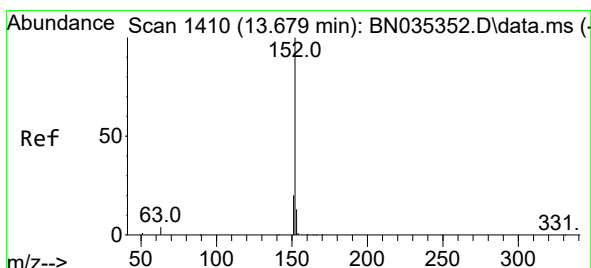
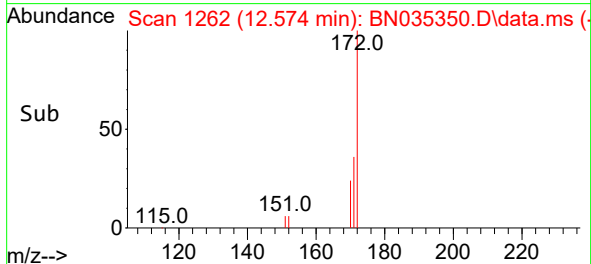
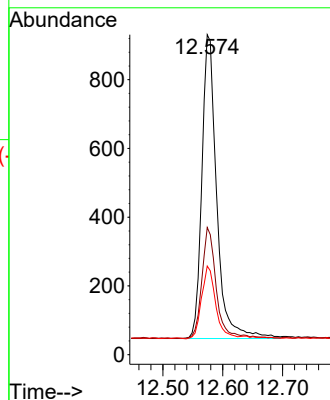
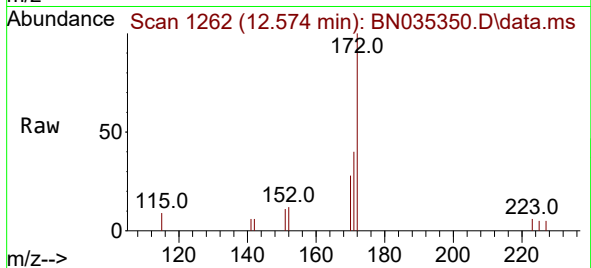
Tgt Ion:172 Resp: 1518

Ion Ratio Lower Upper

172 100

171 39.7 29.0 43.4

170 27.7 19.8 29.8



#16

Acenaphthylene

Concen: 0.096 ng

RT: 13.679 min Scan# 1410

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

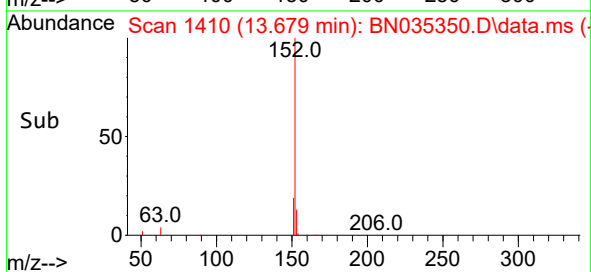
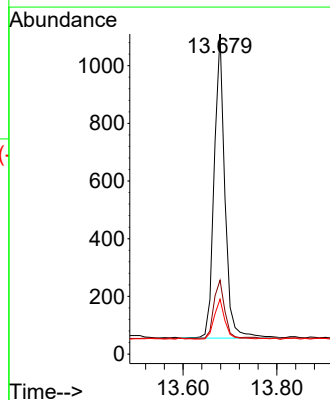
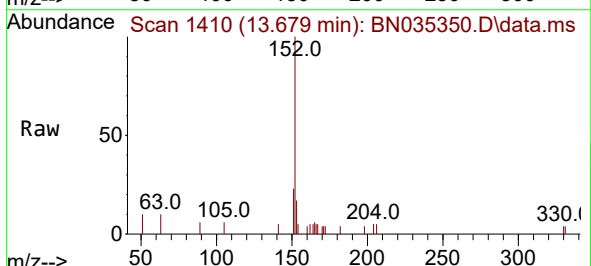
Tgt Ion:152 Resp: 1675

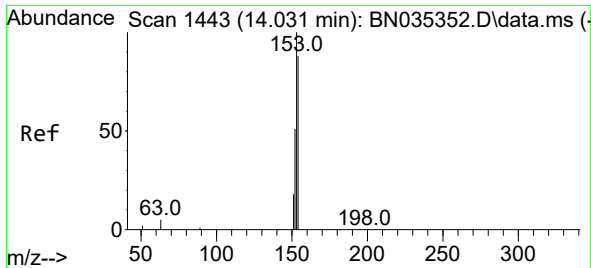
Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.2

153 13.1 10.4 15.6

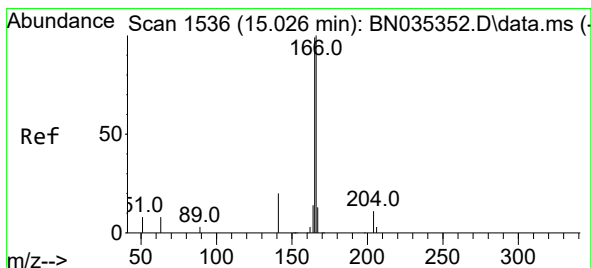
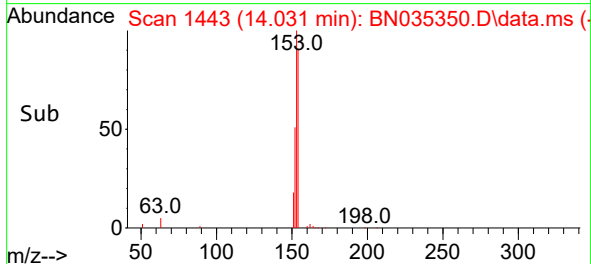
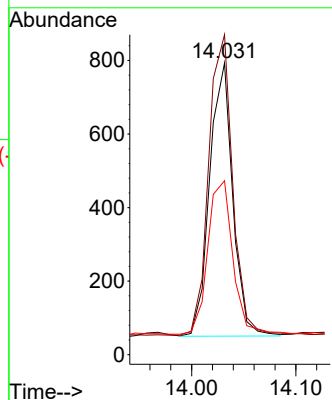
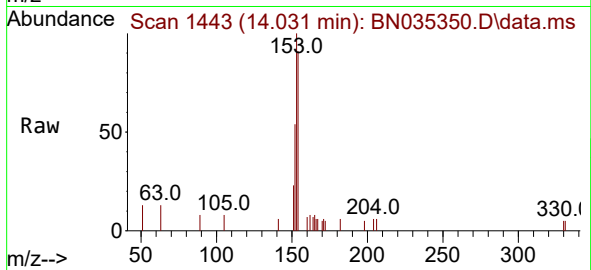




#17
Acenaphthene
Concen: 0.100 ng
RT: 14.031 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

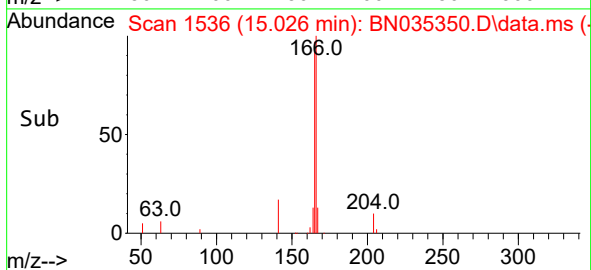
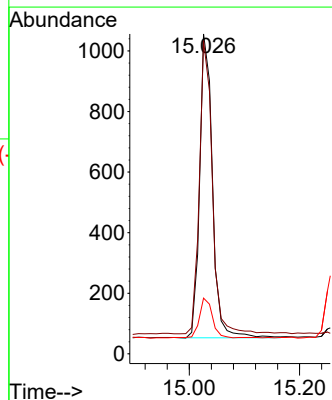
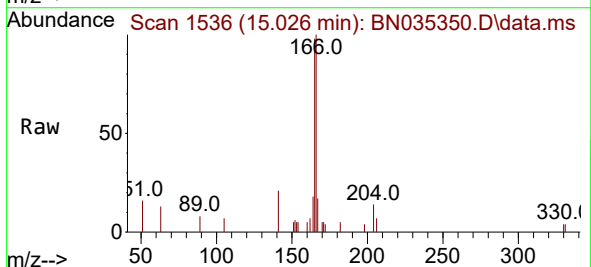
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

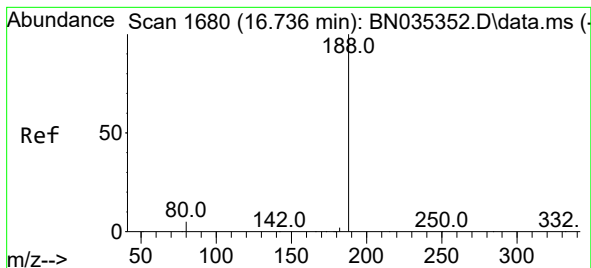
Tgt Ion:154 Resp: 1143
Ion Ratio Lower Upper
154 100
153 115.0 92.6 139.0
152 60.9 49.0 73.6



#18
Fluorene
Concen: 0.096 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:166 Resp: 1620
Ion Ratio Lower Upper
166 100
165 97.7 79.7 119.5
167 13.1 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.736 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

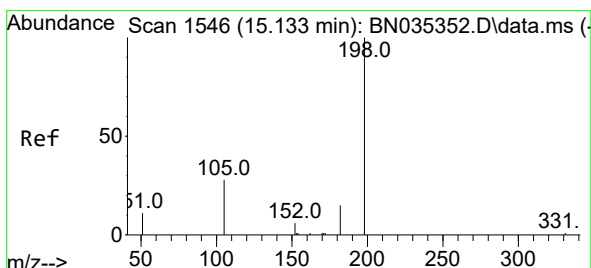
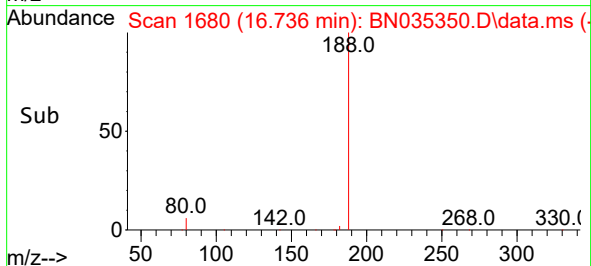
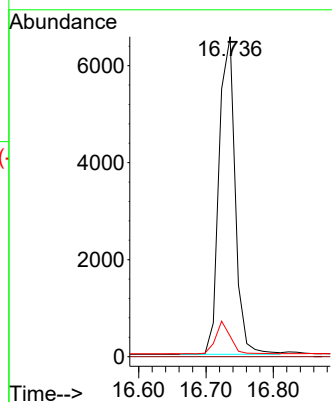
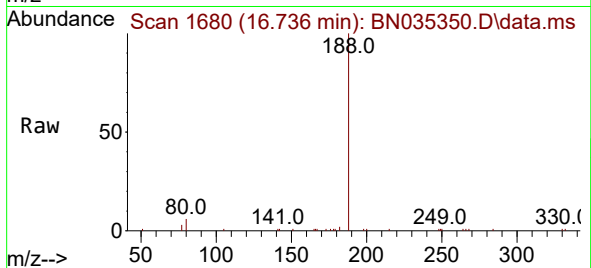
Tgt Ion:188 Resp: 10855

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.4 4.6 6.8



#20

4,6-Dinitro-2-methylphenol

Concen: 0.046 ng

RT: 15.133 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

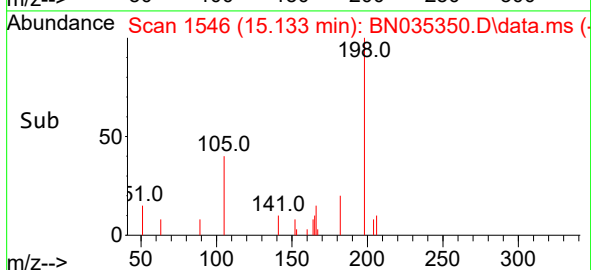
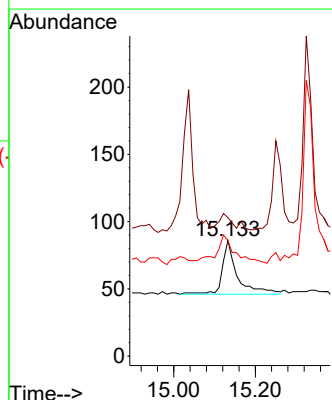
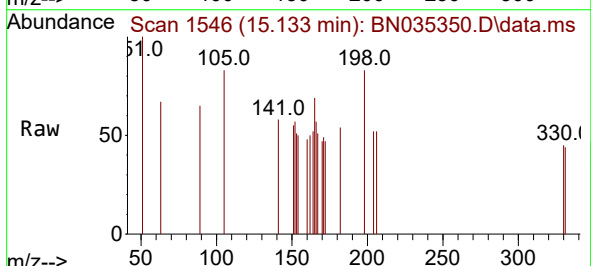
Tgt Ion:198 Resp: 103

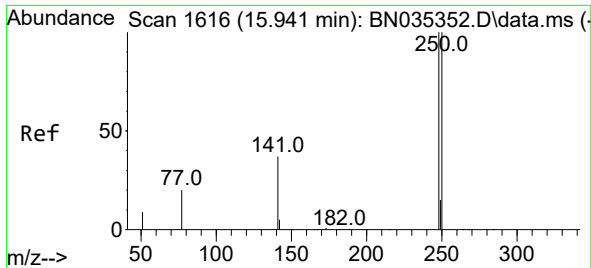
Ion Ratio Lower Upper

198 100

51 119.8 46.5 69.7#

105 100.0 45.3 67.9#

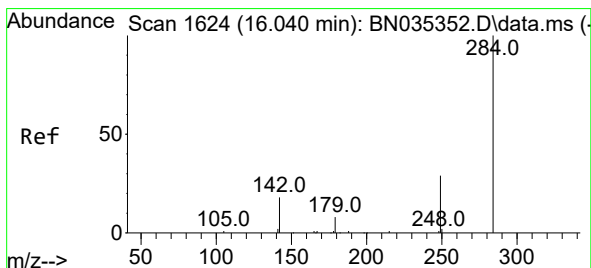
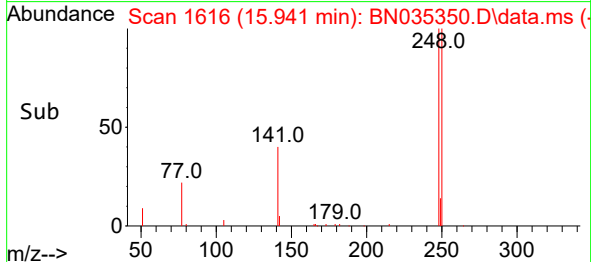
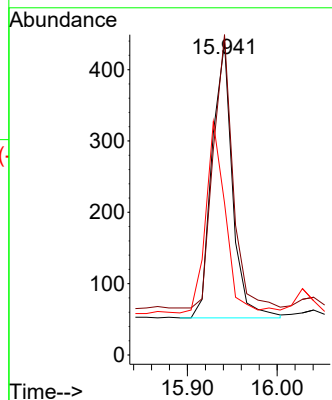
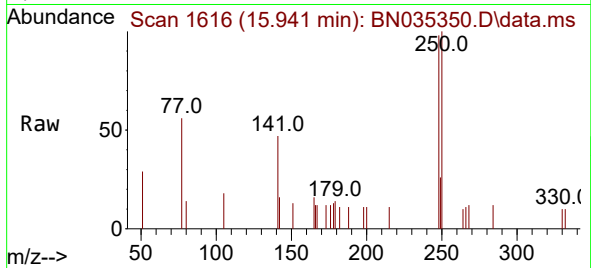




#21
4-Bromophenyl-phenylether
Concen: 0.088 ng
RT: 15.941 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

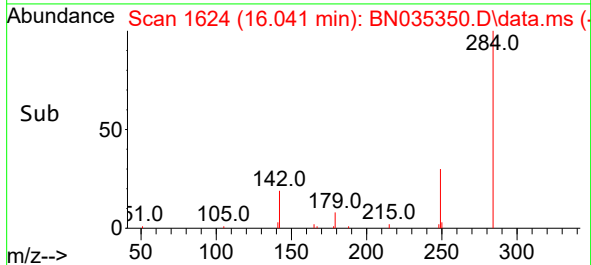
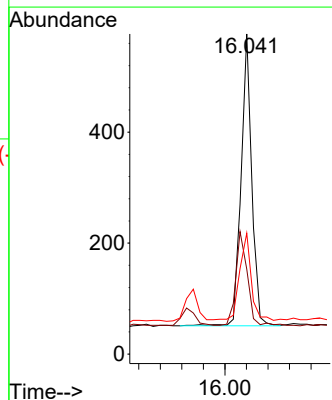
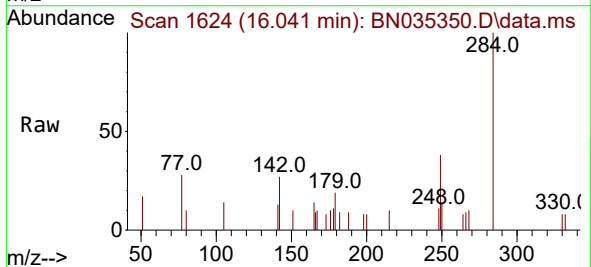
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

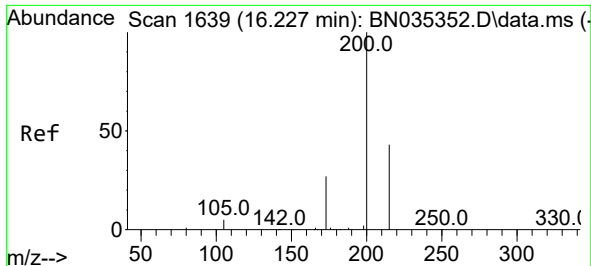
Tgt Ion:248 Resp: 612
Ion Ratio Lower Upper
248 100
250 102.5 80.6 120.8
141 48.6 31.5 47.3#



#22
Hexachlorobenzene
Concen: 0.100 ng
RT: 16.041 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:284 Resp: 720
Ion Ratio Lower Upper
284 100
142 35.4 26.7 40.1
249 32.2 24.6 36.8

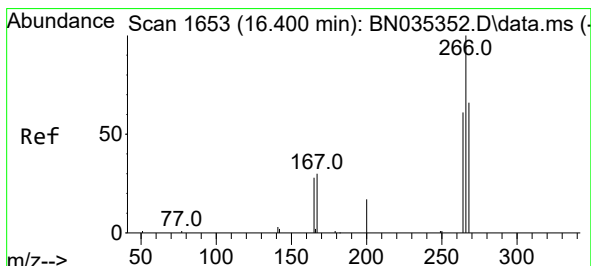
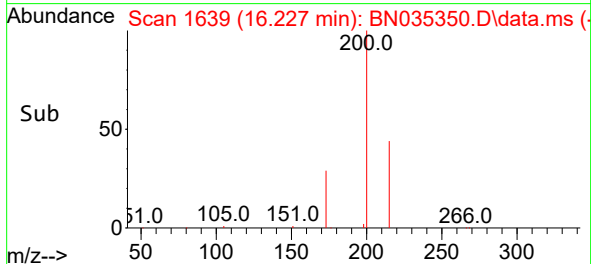
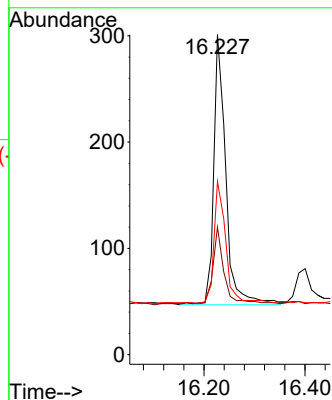
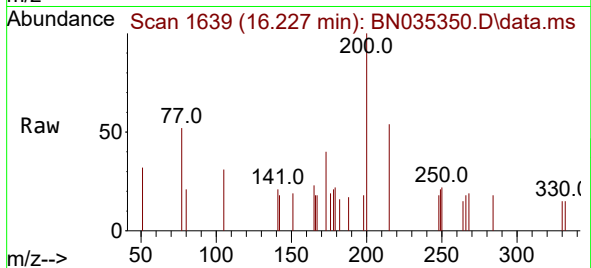




#23
Atrazine
Concen: 0.068 ng
RT: 16.227 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

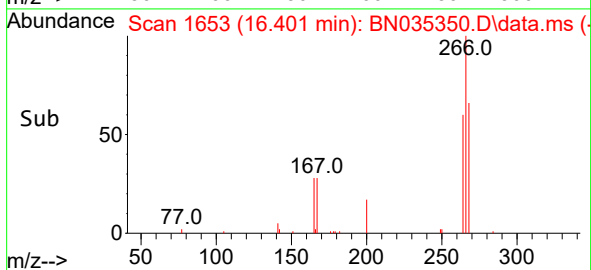
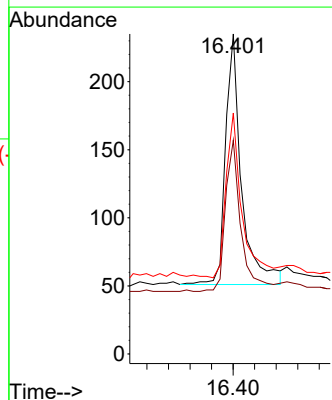
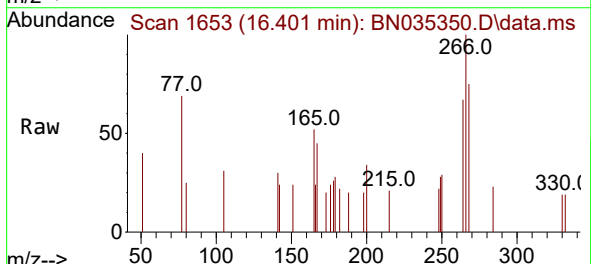
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

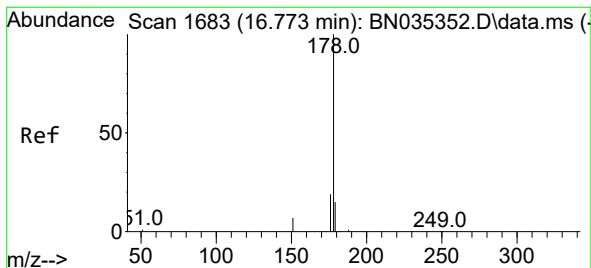
Tgt Ion:200 Resp: 421
Ion Ratio Lower Upper
200 100
173 39.9 24.1 36.1#
215 54.2 36.9 55.3



#24
Pentachlorophenol
Concen: 0.114 ng
RT: 16.401 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:266 Resp: 381
Ion Ratio Lower Upper
266 100
264 58.3 42.3 63.5
268 63.3 43.3 64.9





#25

Phenanthrene

Concen: 0.104 ng

RT: 16.773 min Scan# 1683

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

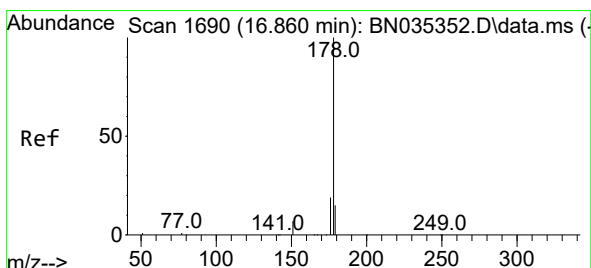
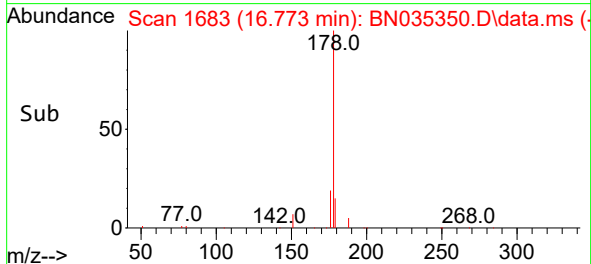
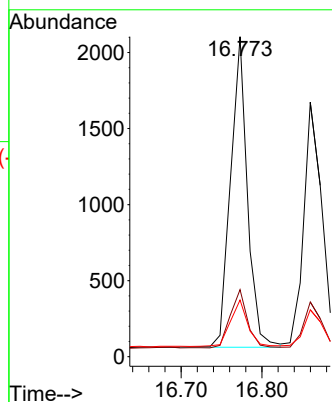
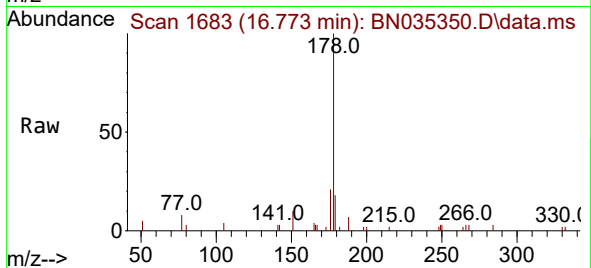
Tgt Ion:178 Resp: 2963

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.6 12.3 18.5



#26

Anthracene

Concen: 0.100 ng

RT: 16.860 min Scan# 1690

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

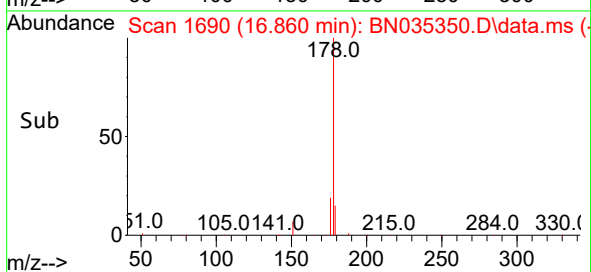
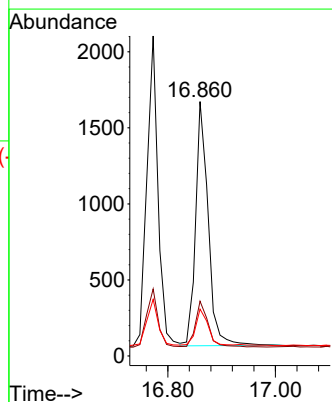
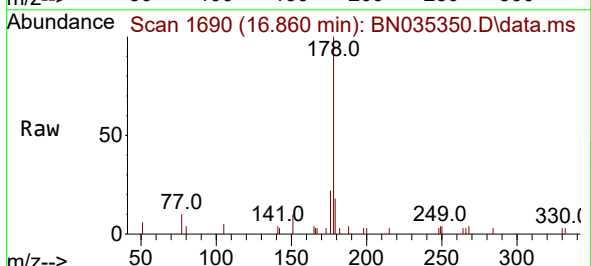
Tgt Ion:178 Resp: 2617

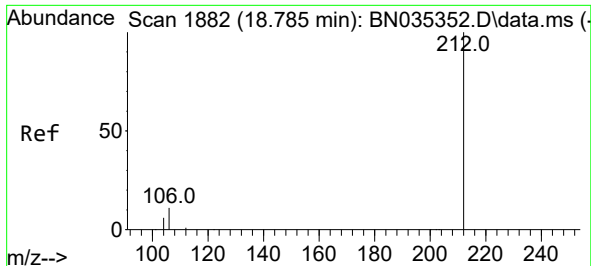
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 14.3 12.6 18.8

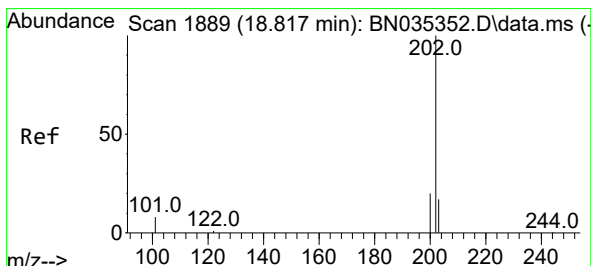
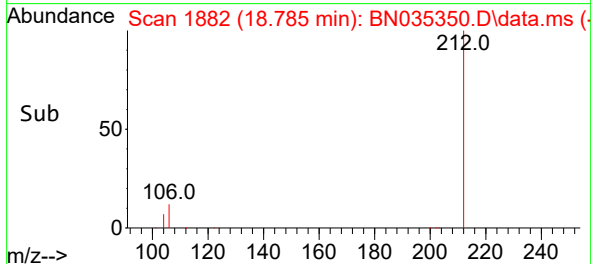
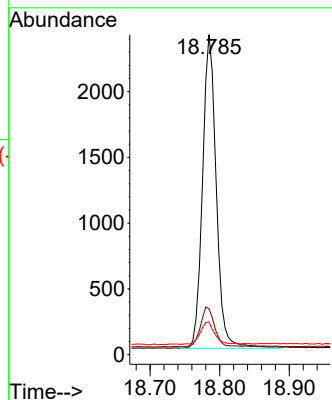
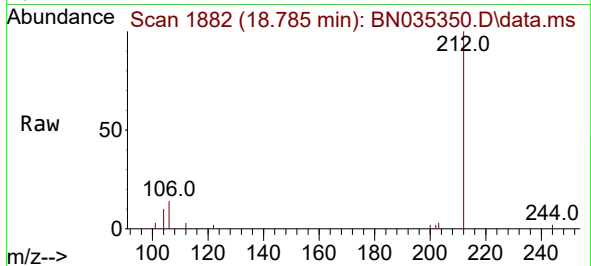




#27
Fluoranthene-d10
Concen: 0.098 ng
RT: 18.785 min Scan# 1882
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

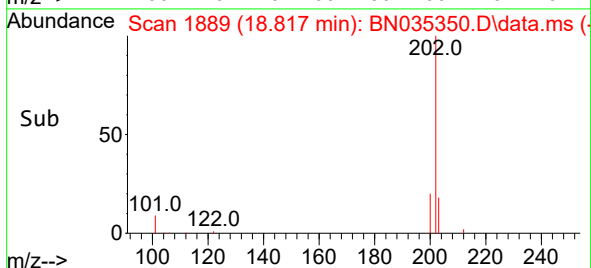
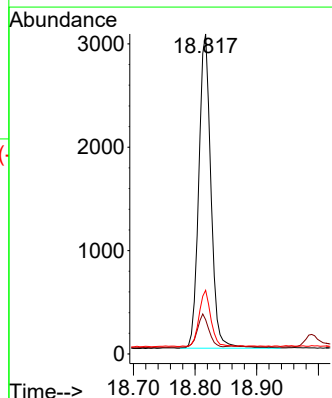
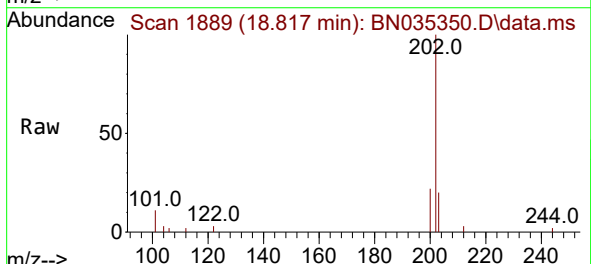
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

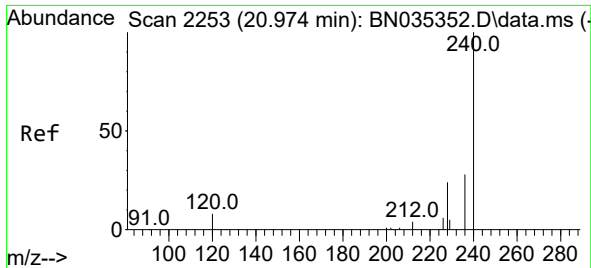
Tgt Ion:212 Resp: 3265
Ion Ratio Lower Upper
212 100
106 12.8 9.2 13.8
104 7.6 5.3 7.9



#28
Fluoranthene
Concen: 0.106 ng
RT: 18.817 min Scan# 1889
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:202 Resp: 4173
Ion Ratio Lower Upper
202 100
101 10.2 7.4 11.0
203 17.3 13.7 20.5

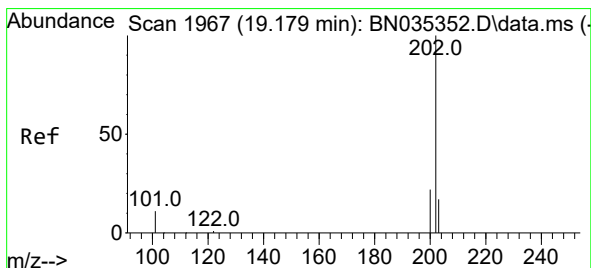
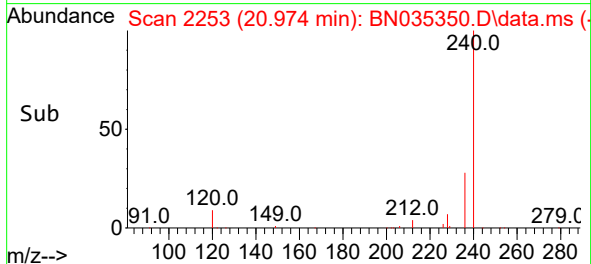
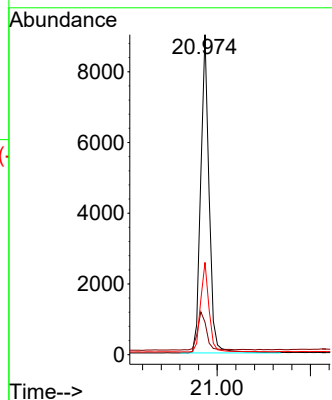
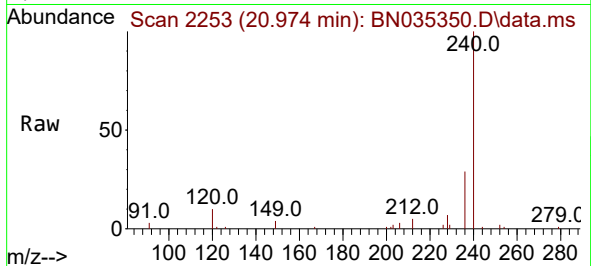




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

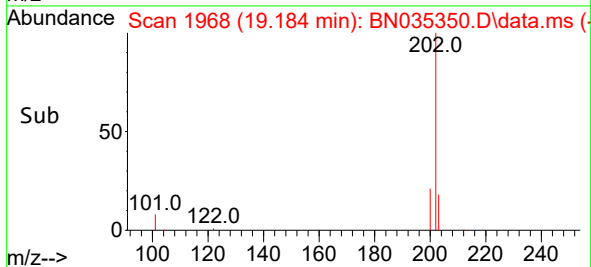
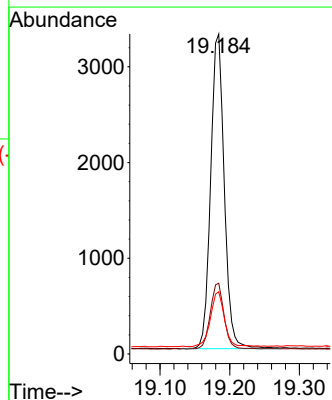
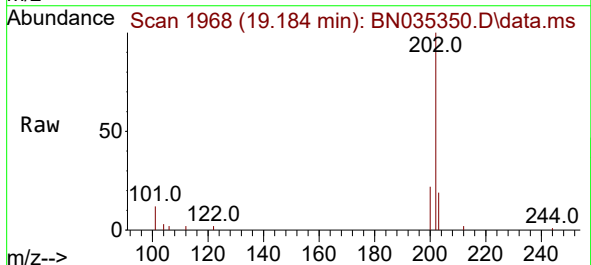
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

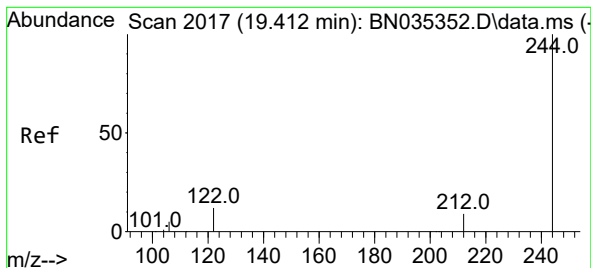
Tgt Ion:240 Resp: 11269
Ion Ratio Lower Upper
240 100
120 10.1 7.9 11.9
236 28.8 22.9 34.3



#30
Pyrene
Concen: 0.119 ng
RT: 19.184 min Scan# 1968
Delta R.T. 0.005 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:202 Resp: 4461
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 18.0 14.3 21.5





#31

Terphenyl-d14

Concen: 0.099 ng

RT: 19.412 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

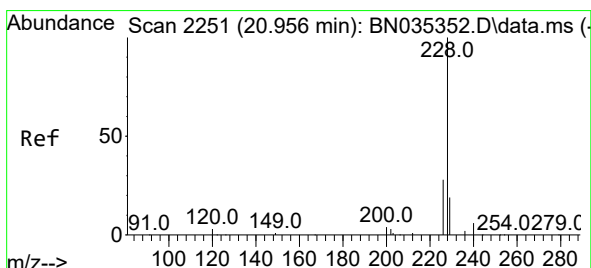
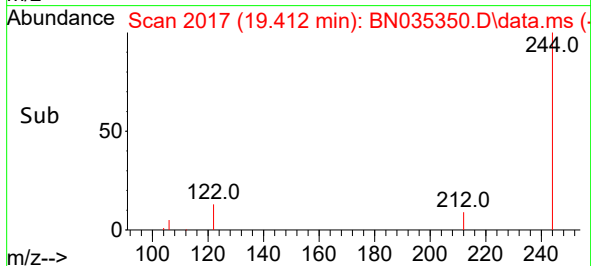
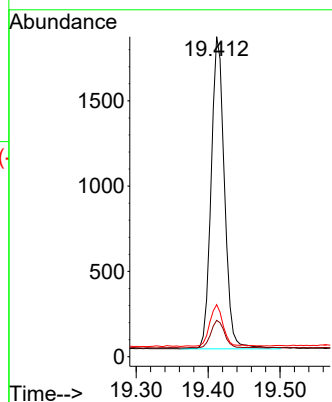
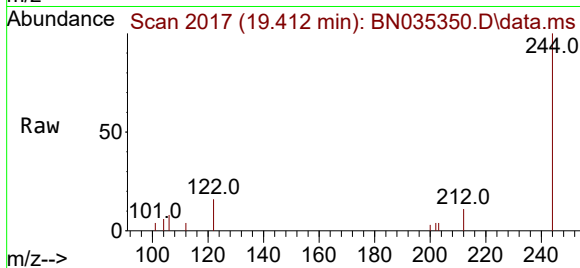
Tgt Ion:244 Resp: 2344

Ion Ratio Lower Upper

244 100

212 11.4 8.1 12.1

122 16.3 10.3 15.5#



#32

Benzo(a)anthracene

Concen: 0.103 ng

RT: 20.956 min Scan# 2251

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

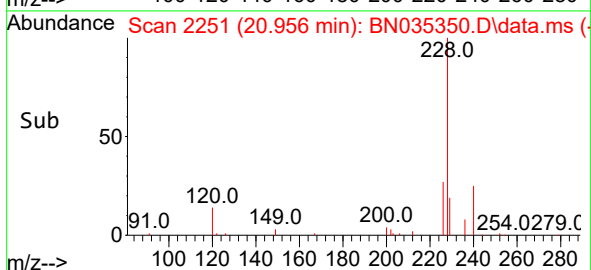
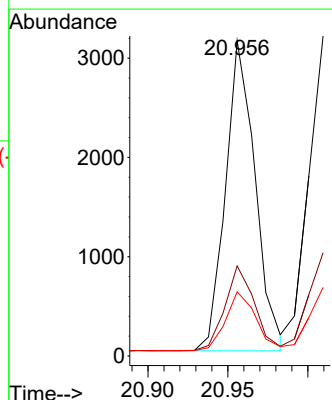
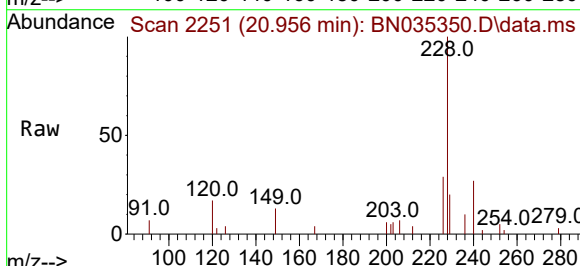
Tgt Ion:228 Resp: 4031

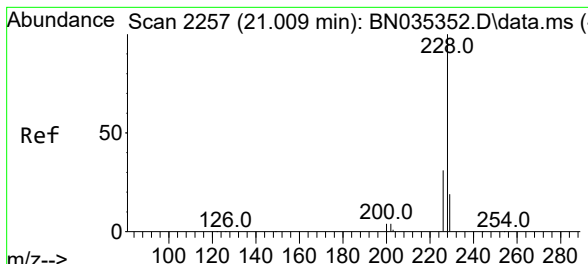
Ion Ratio Lower Upper

228 100

226 28.5 22.5 33.7

229 20.4 15.8 23.8

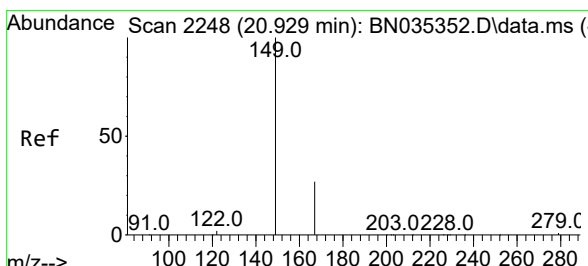
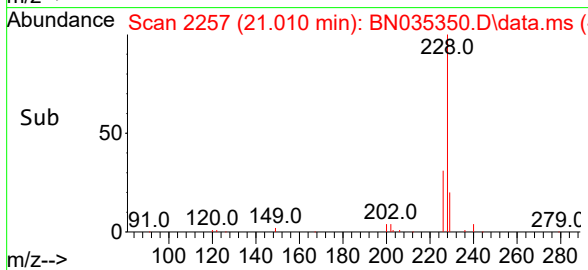
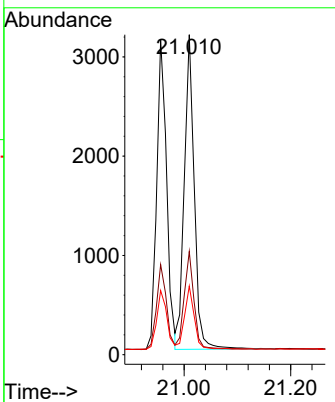
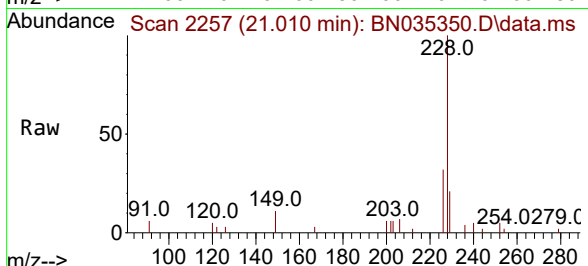




#33
 Chrysene
 Concen: 0.106 ng
 RT: 21.010 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN035350.D
 Acq: 27 Nov 2024 15:34

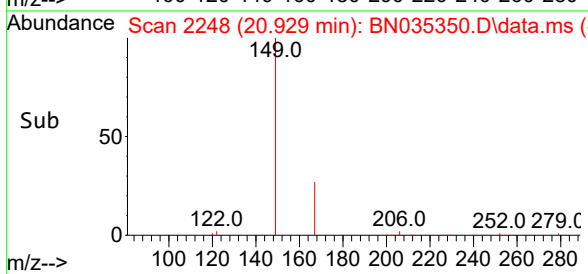
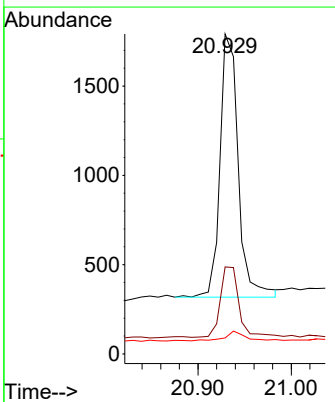
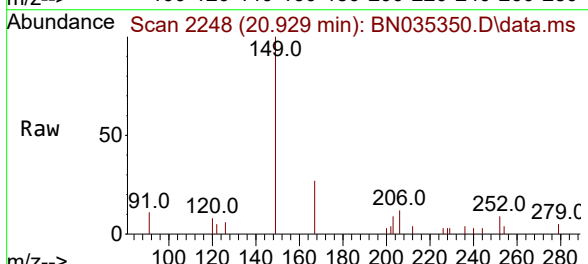
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

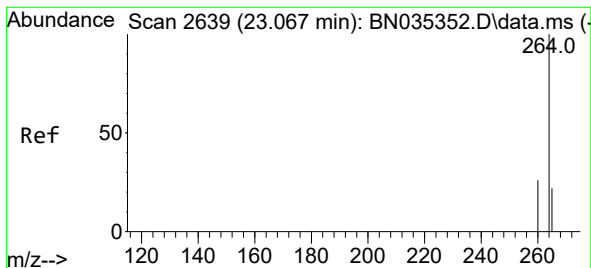
Tgt Ion:228	Resp:	4123
Ion Ratio	Lower	Upper
228	100	
226	32.3	24.6 37.0
229	21.5	15.9 23.9



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.097 ng
 RT: 20.929 min Scan# 2248
 Delta R.T. 0.000 min
 Lab File: BN035350.D
 Acq: 27 Nov 2024 15:34

Tgt Ion:149	Resp:	1999
Ion Ratio	Lower	Upper
149	100	
167	27.5	22.2 33.4
279	3.6	2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.067 min Scan# 2

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

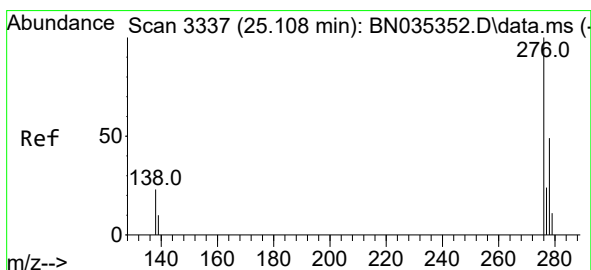
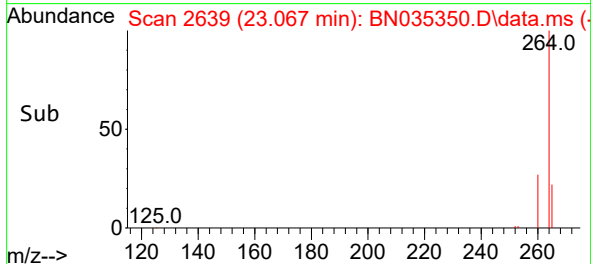
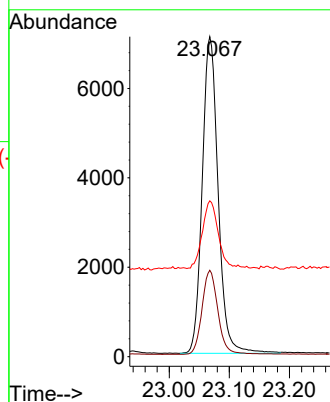
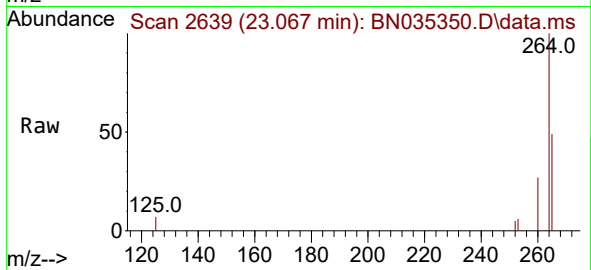
Tgt Ion:264 Resp: 13004

Ion Ratio Lower Upper

264 100

260 27.0 21.4 32.2

265 48.7 40.2 60.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.088 ng

RT: 25.105 min Scan# 3336

Delta R.T. -0.003 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

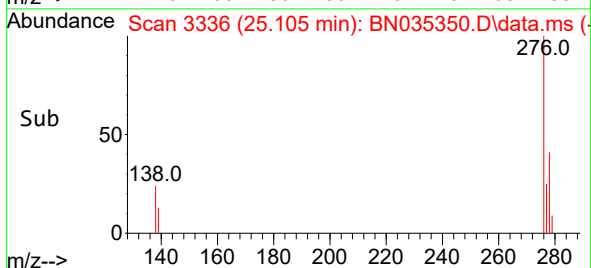
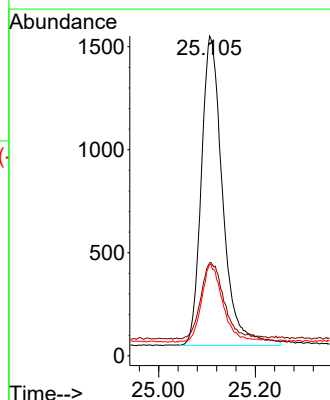
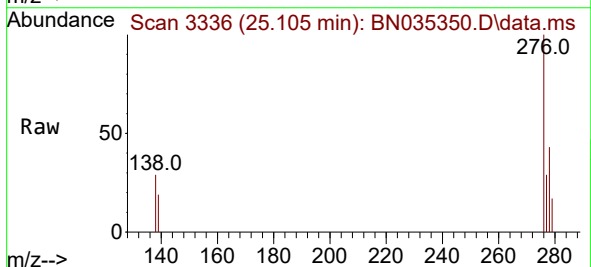
Tgt Ion:276 Resp: 4586

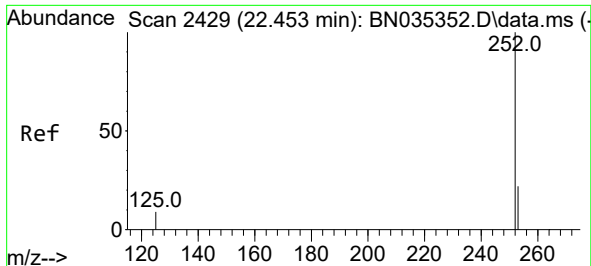
Ion Ratio Lower Upper

276 100

138 26.2 19.4 29.0

277 25.6 19.8 29.6

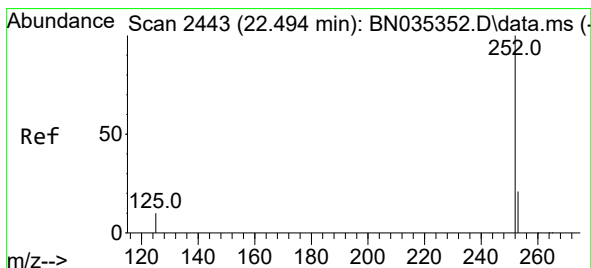
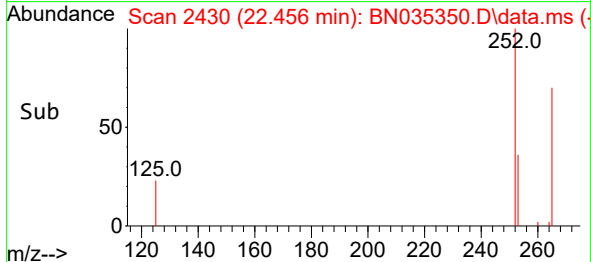
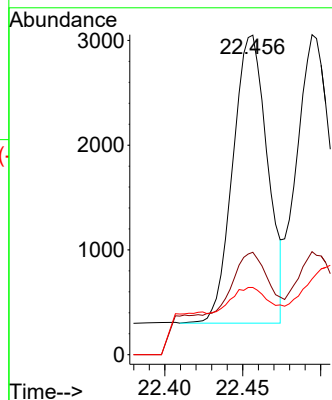
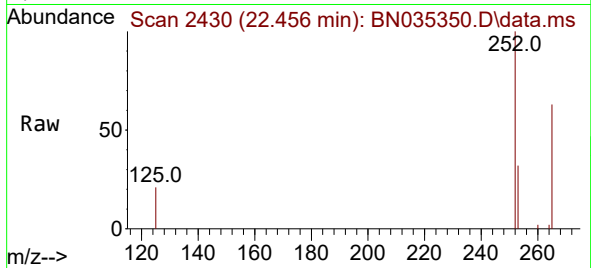




#37
Benzo(b)fluoranthene
Concen: 0.097 ng
RT: 22.456 min Scan# 2430
Delta R.T. 0.003 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

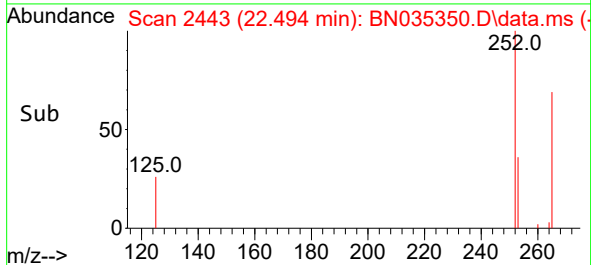
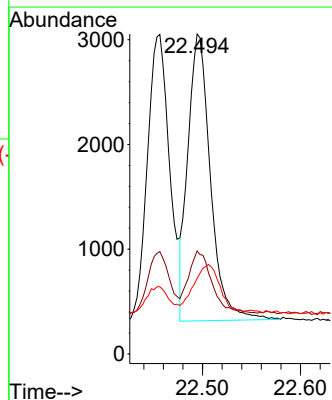
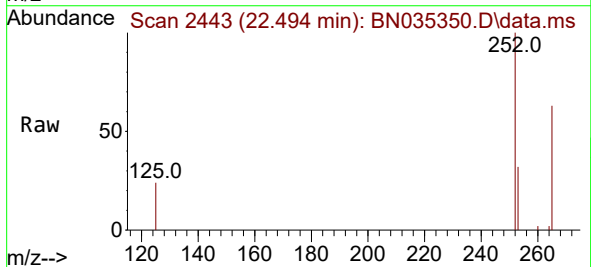
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

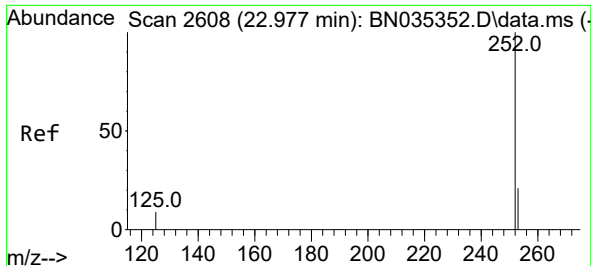
Tgt Ion:252 Resp: 4243
Ion Ratio Lower Upper
252 100
253 32.1 19.6 29.4#
125 21.0 9.6 14.4#



#38
Benzo(k)fluoranthene
Concen: 0.100 ng
RT: 22.494 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Tgt Ion:252 Resp: 4378
Ion Ratio Lower Upper
252 100
253 32.2 19.5 29.3#
125 23.7 10.2 15.4#





#39

Benzo(a)pyrene

Concen: 0.102 ng

RT: 22.977 min Scan# 2608

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

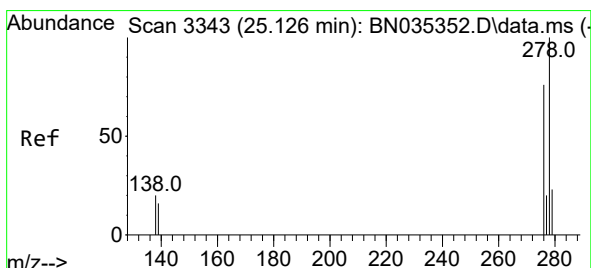
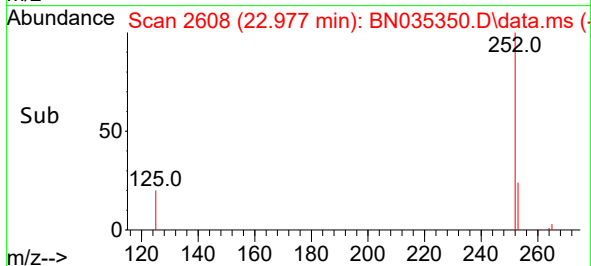
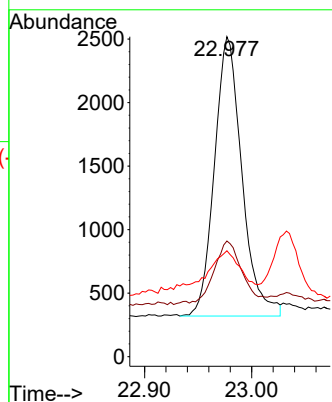
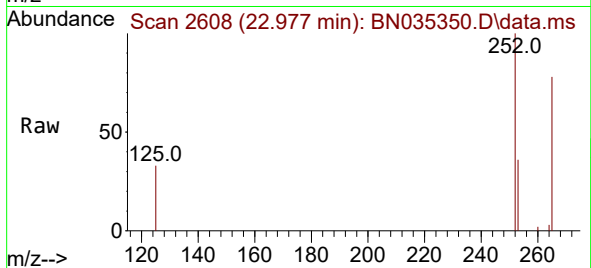
Tgt Ion:252 Resp: 3913

Ion Ratio Lower Upper

252 100

253 36.1 20.2 30.4#

125 33.1 10.9 16.3#



#40

Dibenzo(a,h)anthracene

Concen: 0.087 ng

RT: 25.126 min Scan# 3343

Delta R.T. 0.000 min

Lab File: BN035350.D

Acq: 27 Nov 2024 15:34

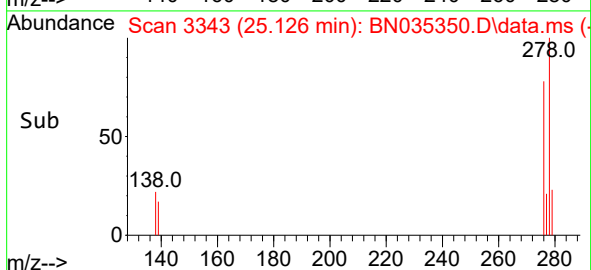
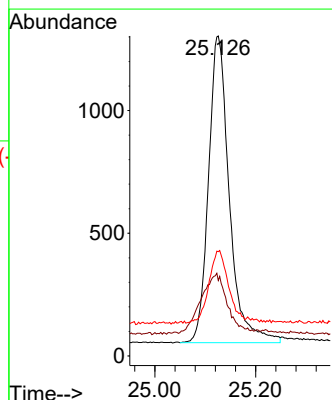
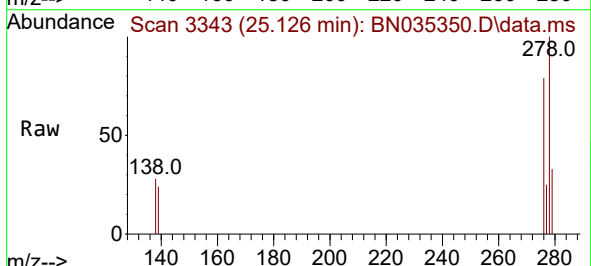
Tgt Ion:278 Resp: 3588

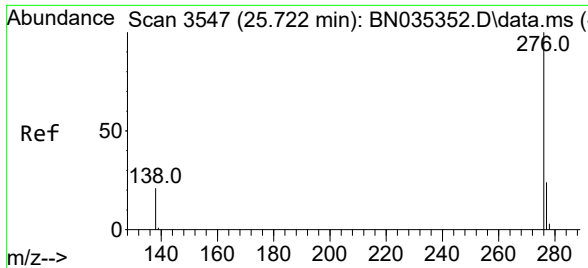
Ion Ratio Lower Upper

278 100

139 23.6 14.2 21.4#

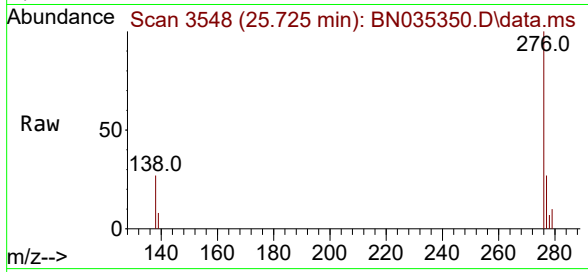
279 32.6 20.5 30.7#



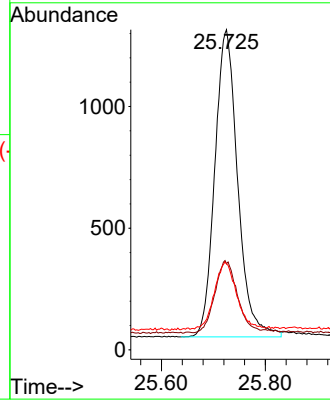
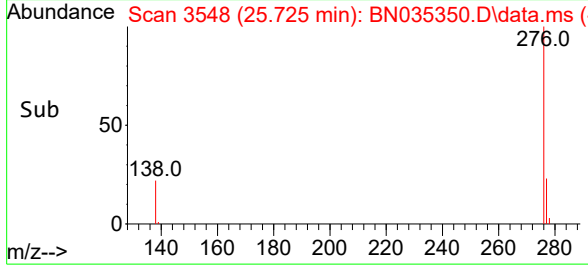


#41
Benzo(g,h,i)perylene
Concen: 0.088 ng
RT: 25.725 min Scan# 31
Delta R.T. 0.003 min
Lab File: BN035350.D
Acq: 27 Nov 2024 15:34

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:276 Resp: 3863
Ion Ratio Lower Upper
276 100
277 26.9 19.9 29.9
138 26.8 17.8 26.8#



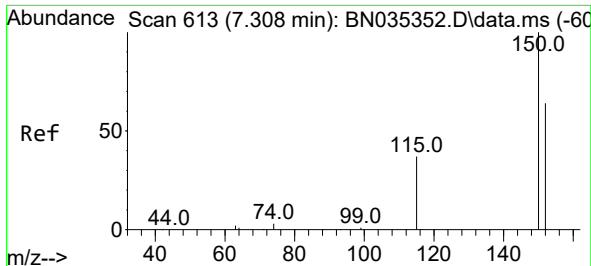
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035351.D
 Acq On : 27 Nov 2024 16:10
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Quant Time: Nov 27 22:52:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 22:48:24 2024
 Response via : Initial Calibration

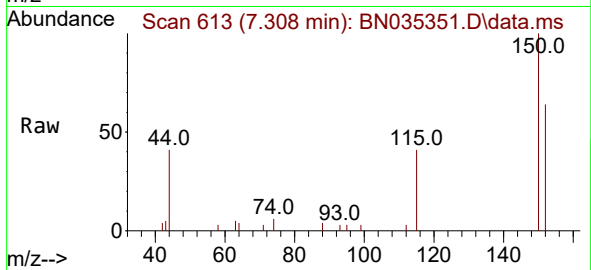
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2084	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	5334	0.400	ng	# 0.01
13) Acenaphthene-d10	13.967	164	3808	0.400	ng	0.00
19) Phenanthrene-d10	16.735	188	9904	0.400	ng	0.00
29) Chrysene-d12	20.974	240	9963	0.400	ng	0.00
35) Perylene-d12	23.070	264	11158	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1159	0.219	ng	0.00
5) Phenol-d6	6.513	99	1236	0.186	ng	0.00
8) Nitrobenzene-d5	8.450	82	806	0.174	ng	0.01
11) 2-Methylnaphthalene-d10	11.661	152	1608	0.169	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	492	0.179	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	2838	0.184	ng	0.00
27) Fluoranthene-d10	18.784	212	5379	0.177	ng	0.00
31) Terphenyl-d14	19.416	244	3871	0.185	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.003	88	435	0.230	ng	# 95
3) n-Nitrosodimethylamine	3.299	42	315	0.179	ng	# 87
6) bis(2-Chloroethyl)ether	6.759	93	1064	0.214	ng	99
9) Naphthalene	10.105	128	2744	0.197	ng	96
10) Hexachlorobutadiene	10.404	225	646	0.158	ng	# 99
12) 2-Methylnaphthalene	11.737	142	1910	0.186	ng	98
16) Acenaphthylene	13.678	152	3047	0.187	ng	99
17) Acenaphthene	14.031	154	2064	0.194	ng	99
18) Fluorene	15.026	166	2949	0.188	ng	99
20) 4,6-Dinitro-2-methylph...	15.132	198	153	0.074	ng	# 53
21) 4-Bromophenyl-phenylether	15.941	248	1081	0.171	ng	96
22) Hexachlorobenzene	16.040	284	1318	0.201	ng	98
23) Atrazine	16.227	200	770	0.136	ng	93
24) Pentachlorophenol	16.400	266	445	0.145	ng	# 84
25) Phenanthrene	16.773	178	5182	0.199	ng	99
26) Anthracene	16.860	178	4571	0.191	ng	100
28) Fluoranthene	18.817	202	6914	0.193	ng	100
30) Pyrene	19.184	202	7198	0.217	ng	100
32) Benzo(a)anthracene	20.956	228	6691	0.193	ng	99
33) Chrysene	21.009	228	7234	0.211	ng	99
34) Bis(2-ethylhexyl)phtha...	20.938	149	2779	0.153	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.108	276	8305	0.187	ng	100
37) Benzo(b)fluoranthene	22.456	252	7522	0.200	ng	# 94
38) Benzo(k)fluoranthene	22.456	252	7522	0.200	ng	94
39) Benzo(a)pyrene	22.980	252	6450	0.195	ng	# 90
40) Dibenzo(a,h)anthracene	25.128	278	6620	0.188	ng	96
41) Benzo(g,h,i)perylene	25.725	276	6908	0.184	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



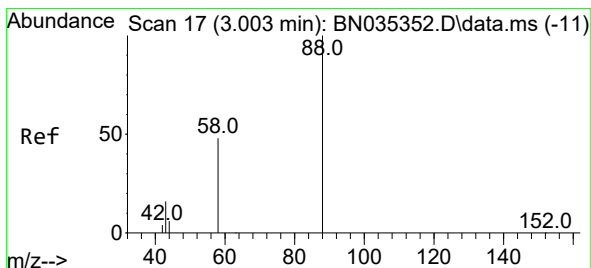
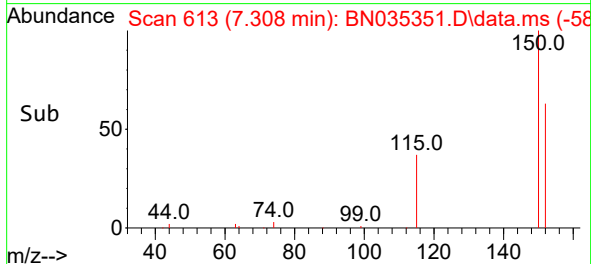
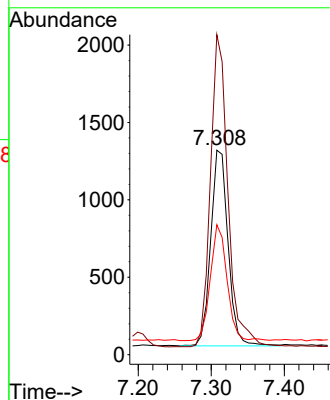
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.308 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN035351.D
 Acq: 27 Nov 2024 16:10

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2



Tgt Ion: 152 Resp: 2084

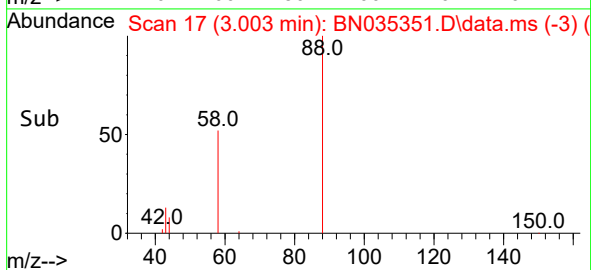
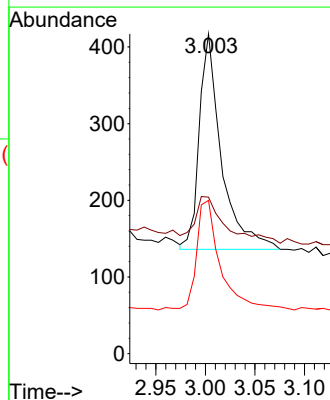
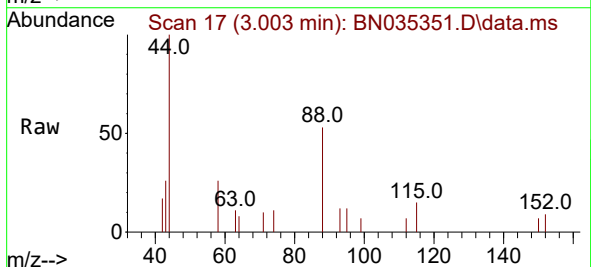
Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.0	186.0
115	63.5	49.6	74.4

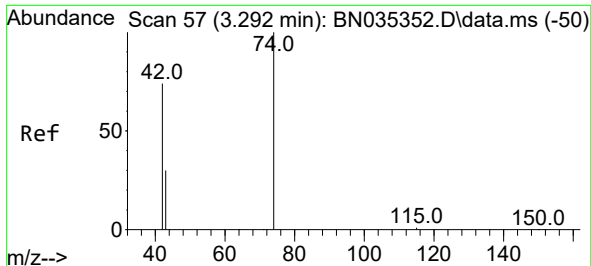


#2
 1,4-Dioxane
 Concen: 0.230 ng
 RT: 3.003 min Scan# 17
 Delta R.T. -0.000 min
 Lab File: BN035351.D
 Acq: 27 Nov 2024 16:10

Tgt Ion: 88 Resp: 435

Ion	Ratio	Lower	Upper
88	100		
43	29.9	17.2	25.8
58	55.2	44.5	66.7

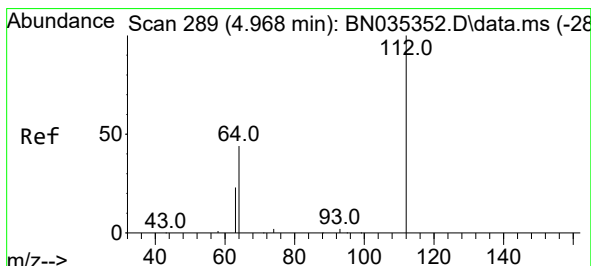
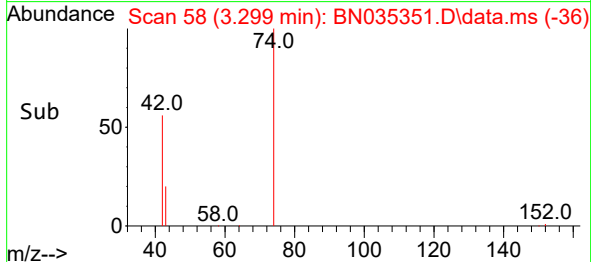
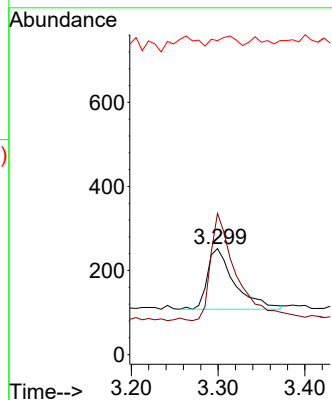
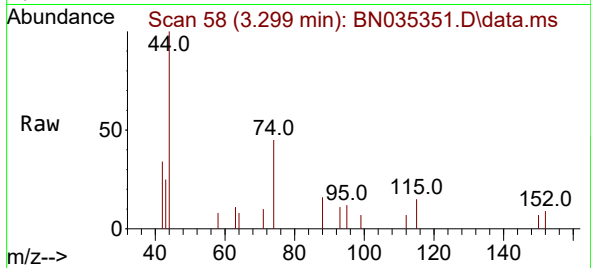




#3
n-Nitrosodimethylamine
Concen: 0.179 ng
RT: 3.299 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

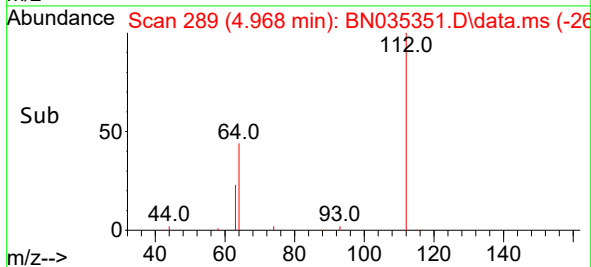
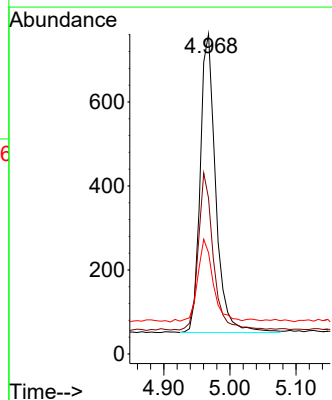
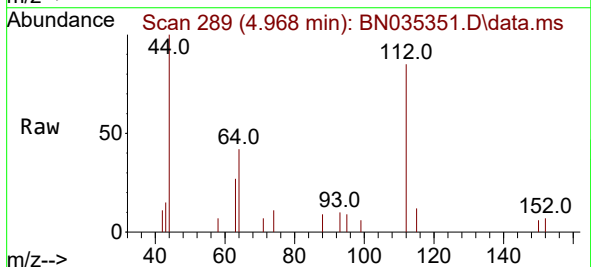
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

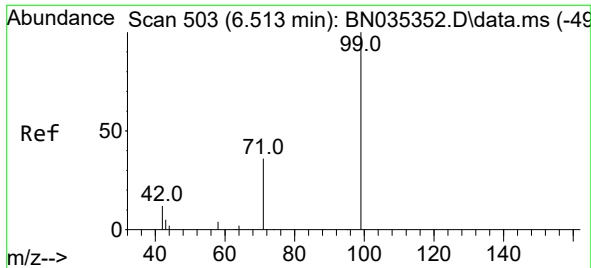
Tgt Ion: 42 Resp: 315
Ion Ratio Lower Upper
42 100
74 172.4 124.9 187.3
44 16.2 2.2 3.4#



#4
2-Fluorophenol
Concen: 0.219 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion: 112 Resp: 1159
Ion Ratio Lower Upper
112 100
64 51.2 39.8 59.8
63 27.9 21.0 31.6

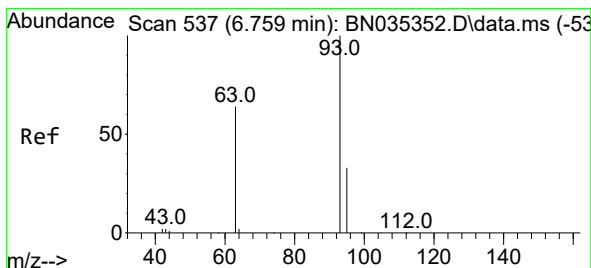
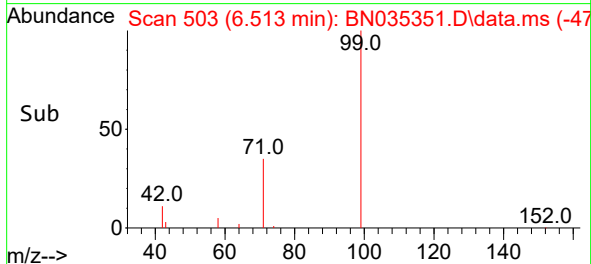
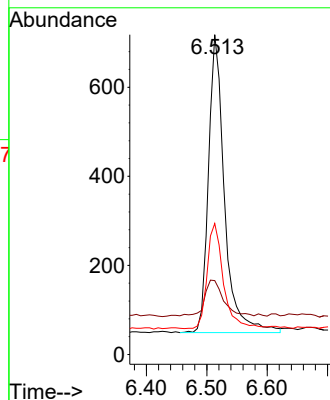
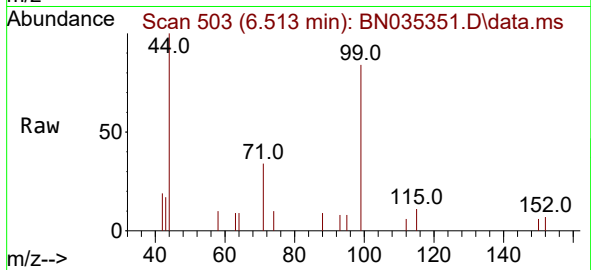




#5
Phenol-d6
Concen: 0.186 ng
RT: 6.513 min Scan# 503
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

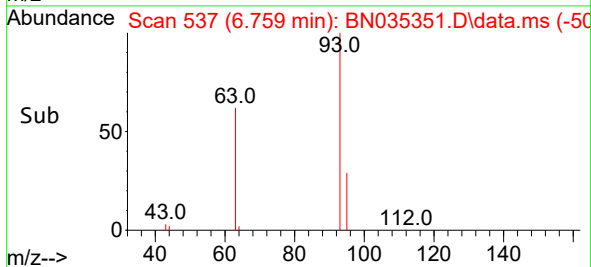
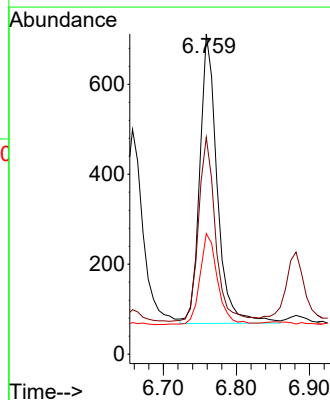
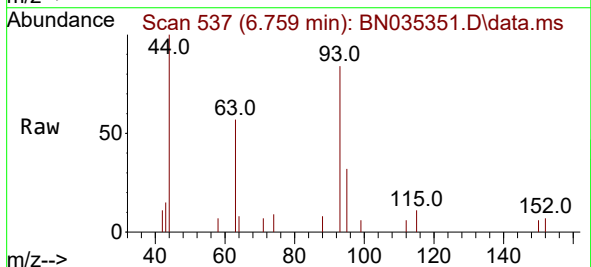
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

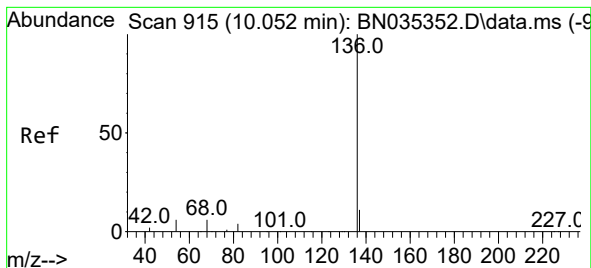
Tgt Ion:	99	Resp:	1236
Ion	Ratio	Lower	Upper
99	100		
42	15.0	11.4	17.2
71	35.8	29.3	43.9



#6
bis(2-Chloroethyl)ether
Concen: 0.214 ng
RT: 6.759 min Scan# 537
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:	93	Resp:	1064
Ion	Ratio	Lower	Upper
93	100		
63	62.2	50.4	75.6
95	31.6	25.7	38.5





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.063 min Scan# 91

Delta R.T. 0.011 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:136 Resp: 5334

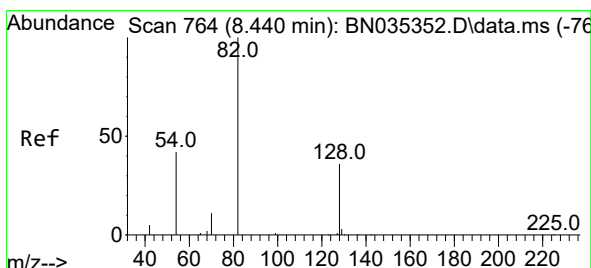
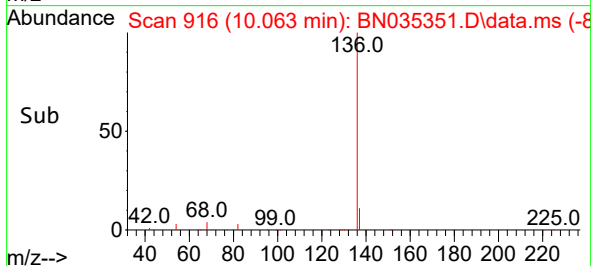
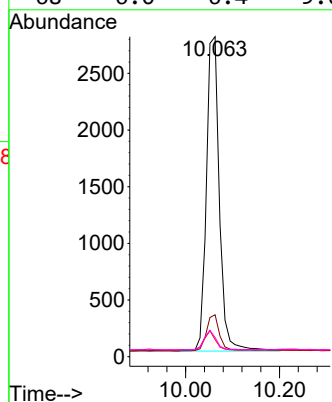
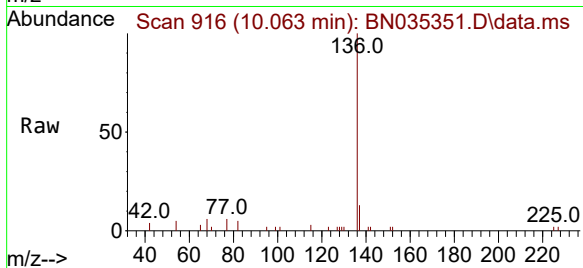
Ion Ratio Lower Upper

136 100

137 13.1 10.2 15.2

54 5.3 6.1 9.1#

68 6.0 6.4 9.6#



#8

Nitrobenzene-d5

Concen: 0.174 ng

RT: 8.450 min Scan# 765

Delta R.T. 0.011 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

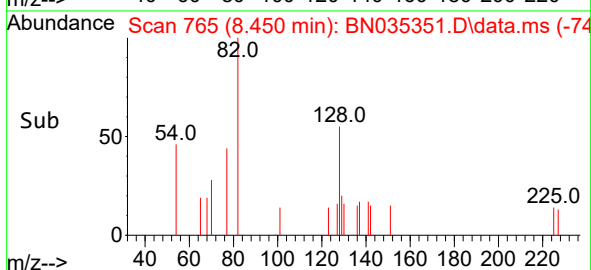
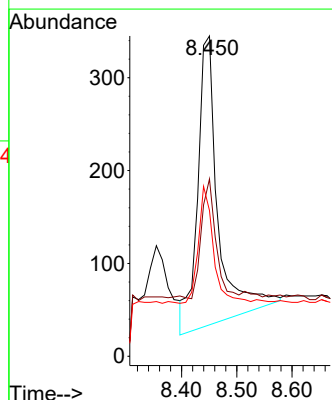
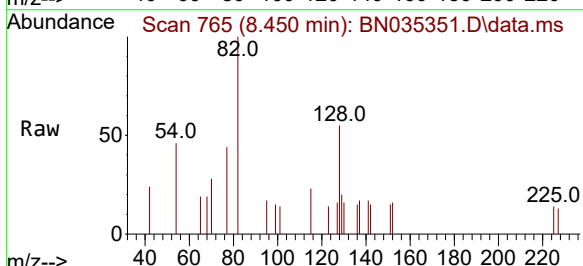
Tgt Ion: 82 Resp: 806

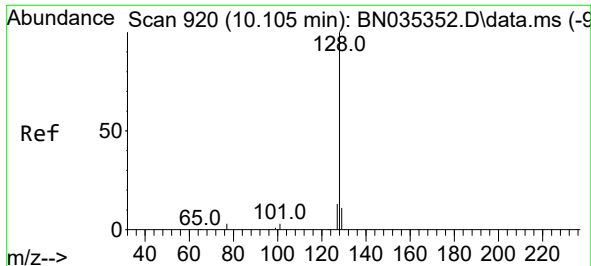
Ion Ratio Lower Upper

82 100

128 55.4 33.4 50.0#

54 45.5 36.7 55.1

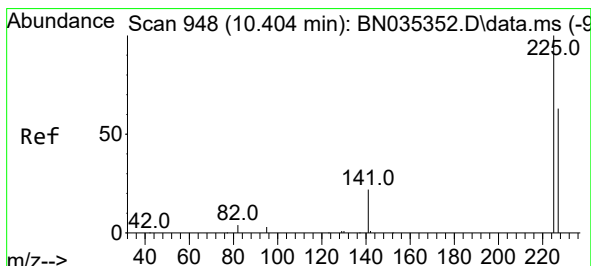
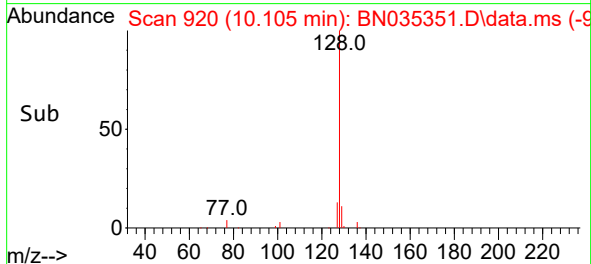
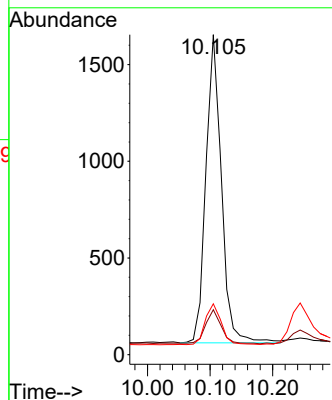
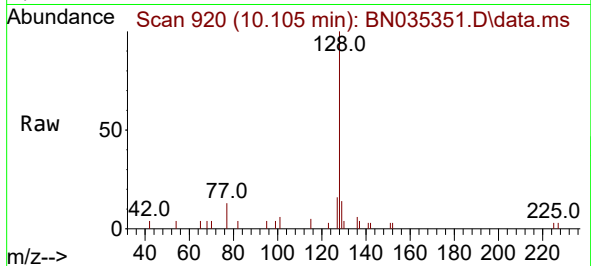




#9
Naphthalene
Concen: 0.197 ng
RT: 10.105 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

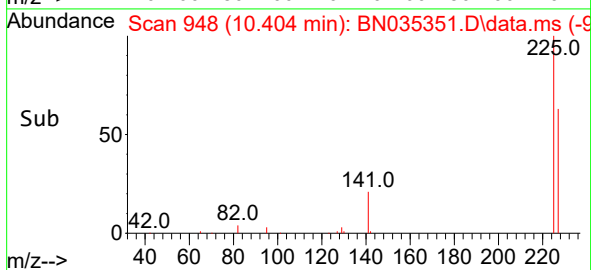
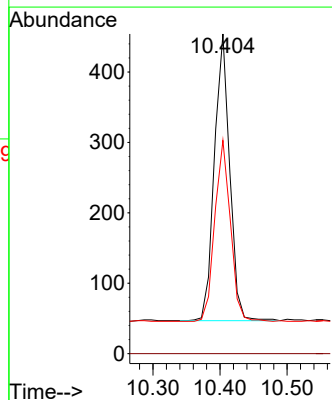
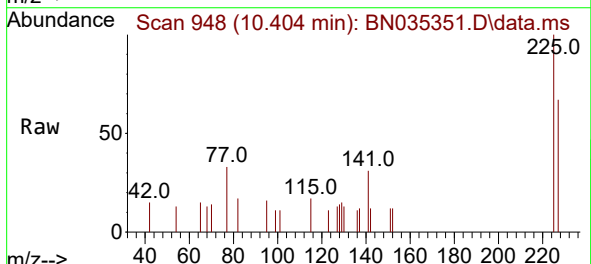
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

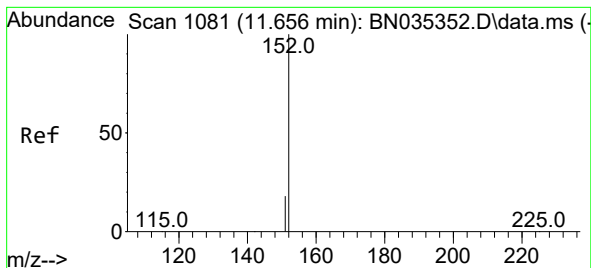
Tgt Ion:128 Resp: 2744
Ion Ratio Lower Upper
128 100
129 14.0 9.8 14.6
127 15.9 11.4 17.2



#10
Hexachlorobutadiene
Concen: 0.158 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:225 Resp: 646
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.7 51.3 76.9

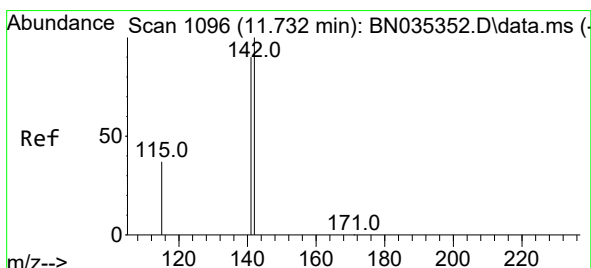
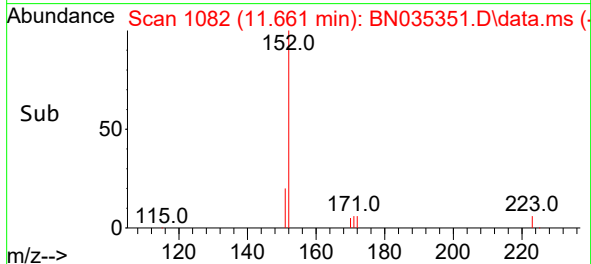
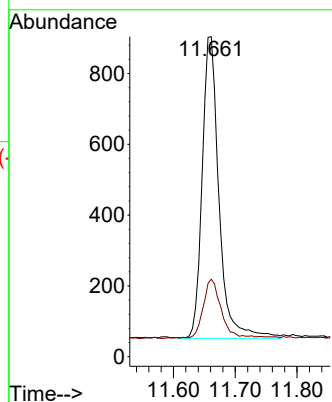
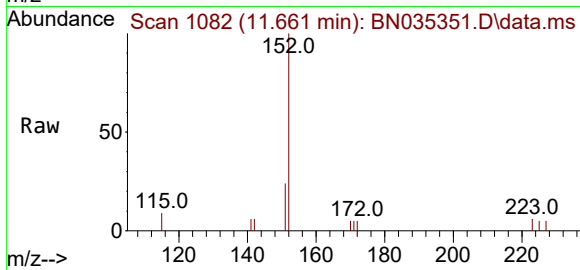




#11
2-Methylnaphthalene-d10
Concen: 0.169 ng
RT: 11.661 min Scan# 1082
Delta R.T. 0.005 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

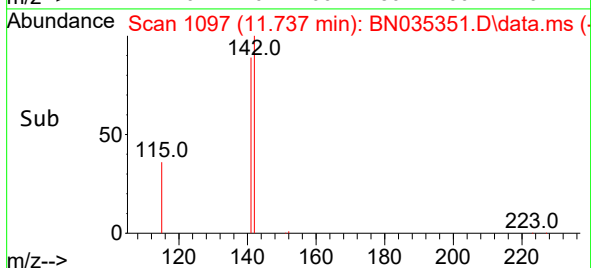
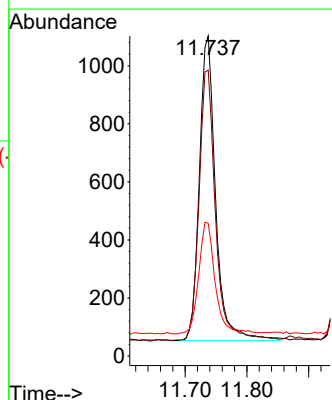
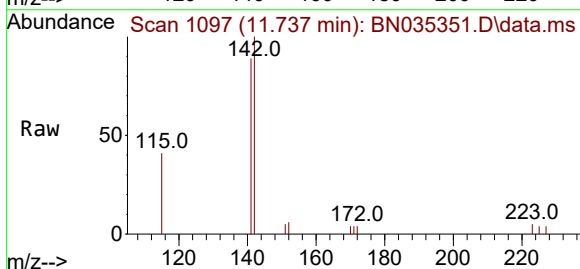
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

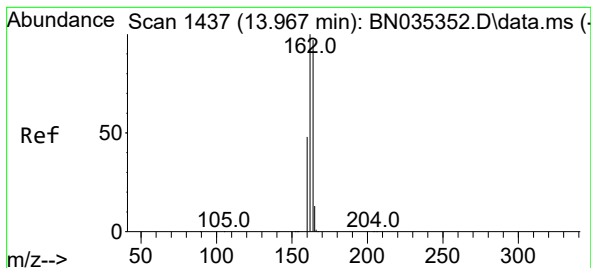
Tgt Ion:152 Resp: 1608
Ion Ratio Lower Upper
152 100
151 22.3 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.186 ng
RT: 11.737 min Scan# 1097
Delta R.T. 0.005 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:142 Resp: 1910
Ion Ratio Lower Upper
142 100
141 89.3 72.2 108.4
115 41.4 31.4 47.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.967 min Scan# 14

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

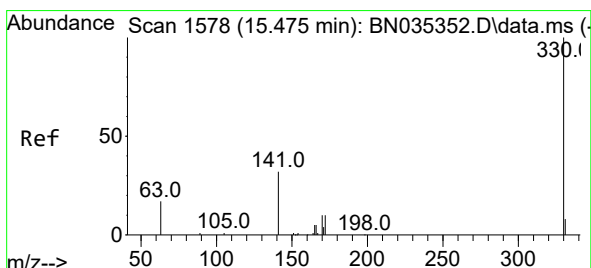
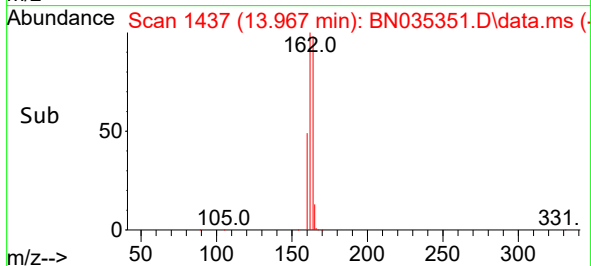
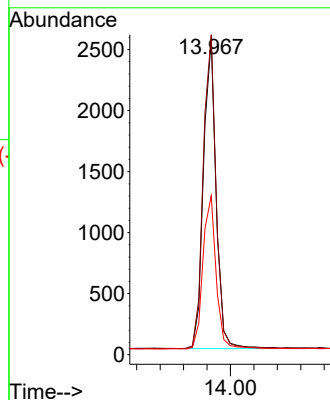
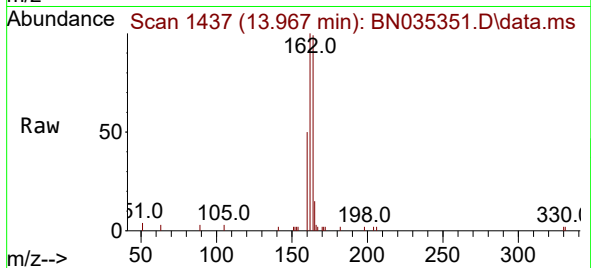
Tgt Ion:164 Resp: 3808

Ion Ratio Lower Upper

164 100

162 101.5 82.2 123.2

160 50.4 40.1 60.1



#14

2,4,6-Tribromophenol

Concen: 0.179 ng

RT: 15.475 min Scan# 1578

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

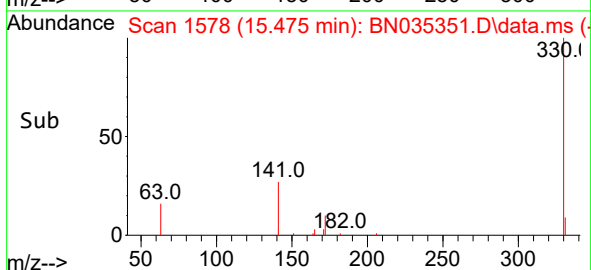
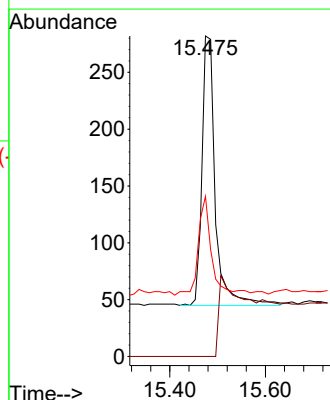
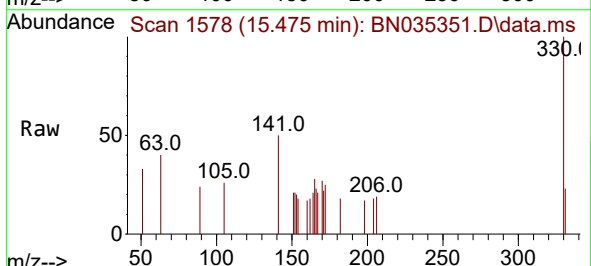
Tgt Ion:330 Resp: 492

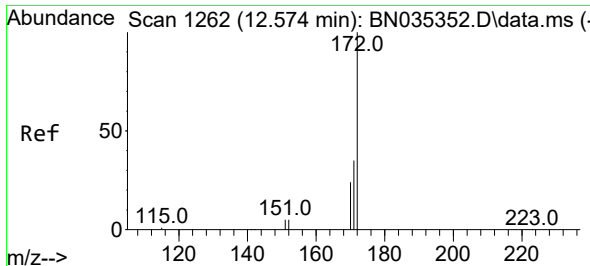
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 37.2 26.6 40.0

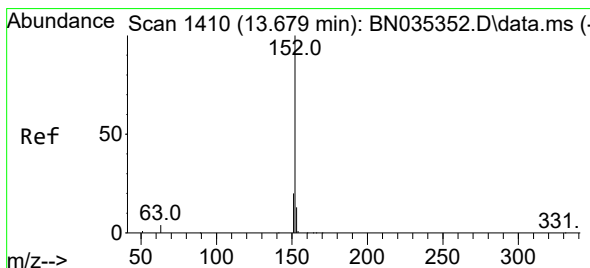
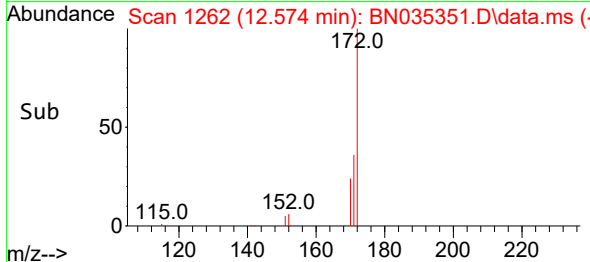
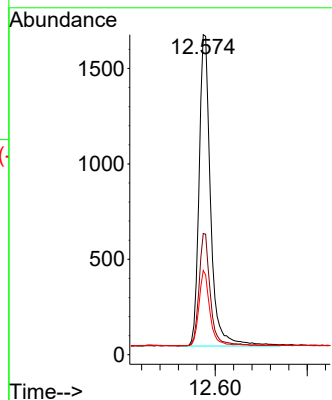
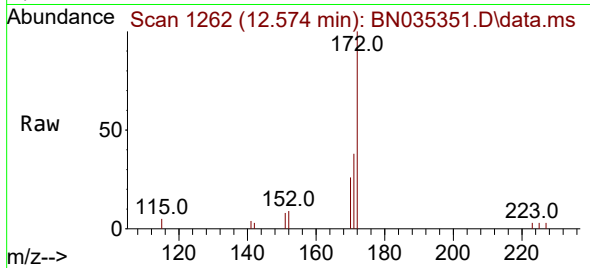




#15
2-Fluorobiphenyl
Concen: 0.184 ng
RT: 12.574 min Scan# 1262
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

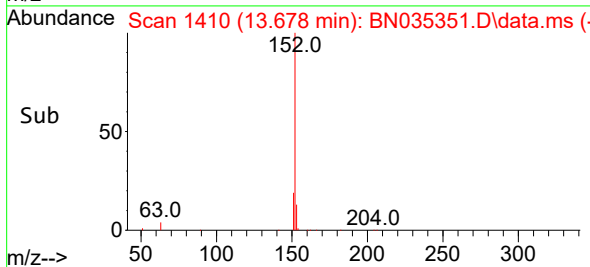
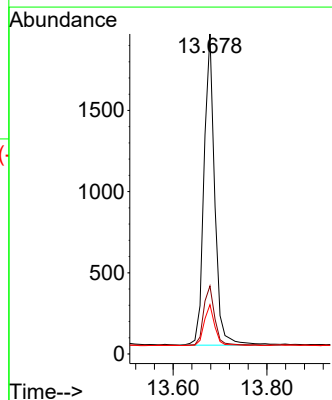
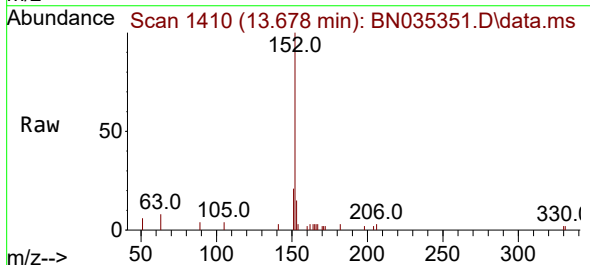
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

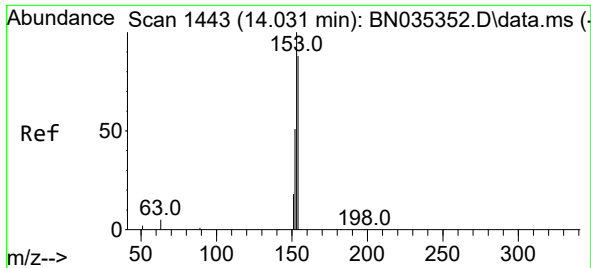
Tgt Ion:172 Resp: 2838
Ion Ratio Lower Upper
172 100
171 37.9 29.0 43.4
170 26.3 19.8 29.8



#16
Acenaphthylene
Concen: 0.187 ng
RT: 13.678 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:152 Resp: 3047
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 12.9 10.4 15.6

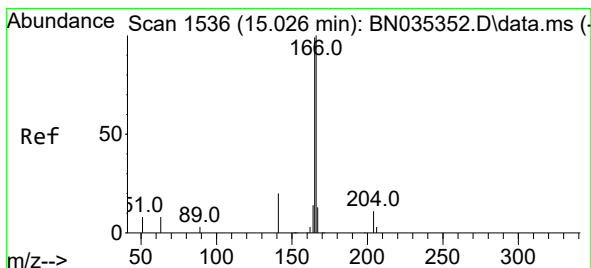
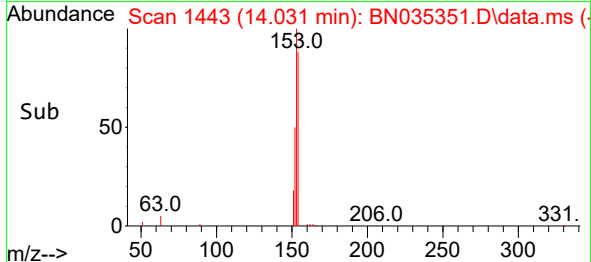
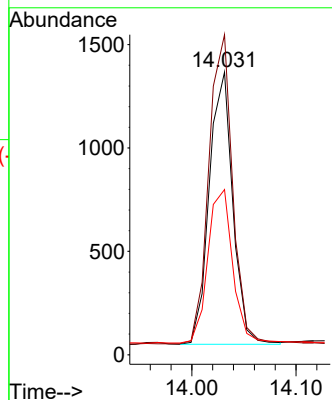
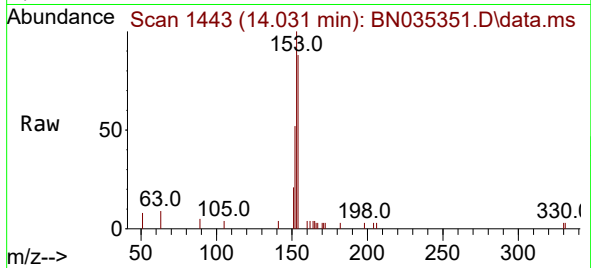




#17
Acenaphthene
Concen: 0.194 ng
RT: 14.031 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

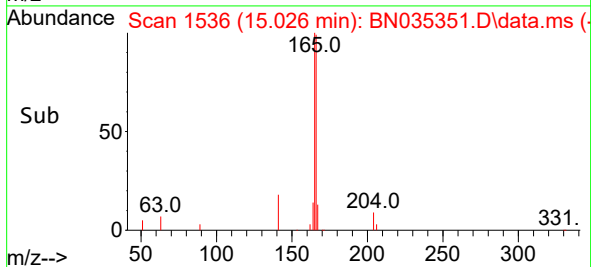
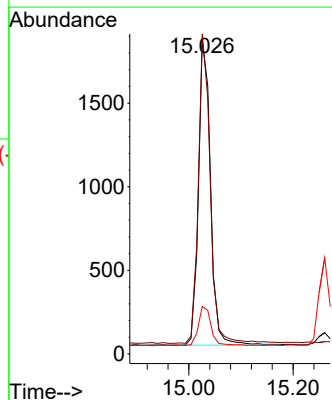
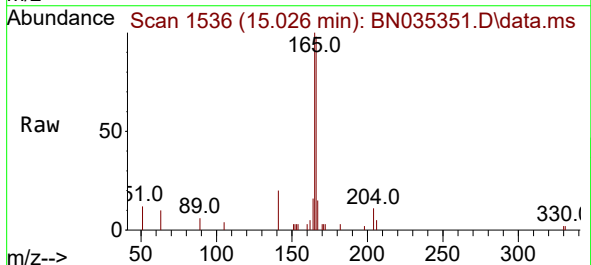
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

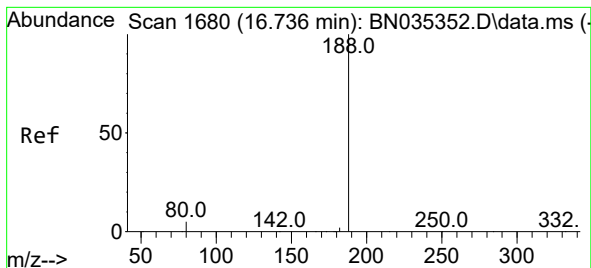
Tgt Ion:	154	Resp:	2064
Ion	Ratio	Lower	Upper
154	100		
153	115.2	92.6	139.0
152	60.7	49.0	73.6



#18
Fluorene
Concen: 0.188 ng
RT: 15.026 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:	166	Resp:	2949
Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.7	119.5
167	14.1	10.8	16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.735 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

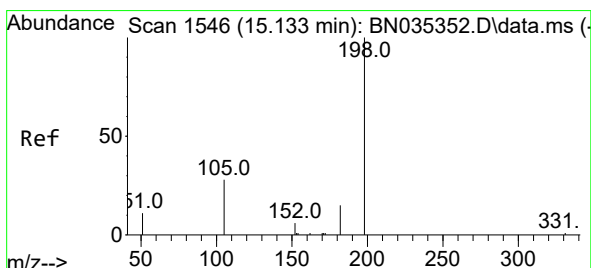
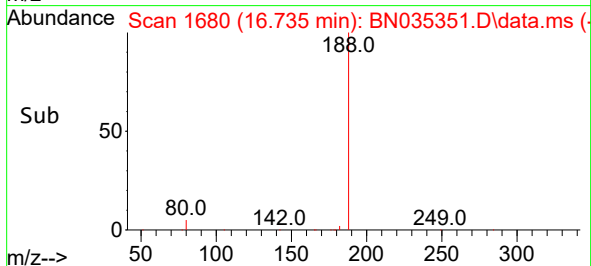
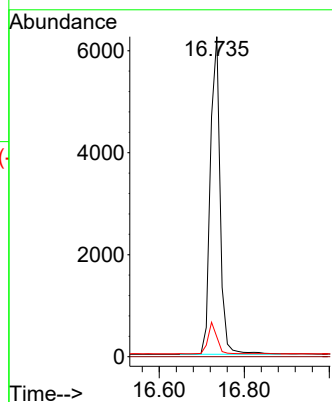
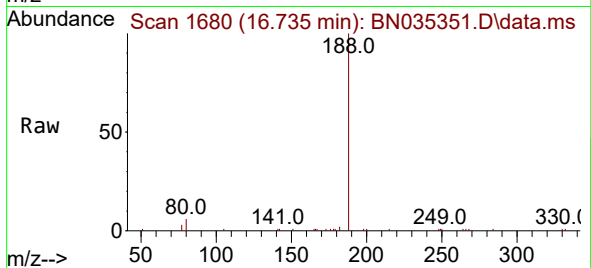
Tgt Ion:188 Resp: 9904

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.2 4.6 6.8



#20

4,6-Dinitro-2-methylphenol

Concen: 0.074 ng

RT: 15.132 min Scan# 1546

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

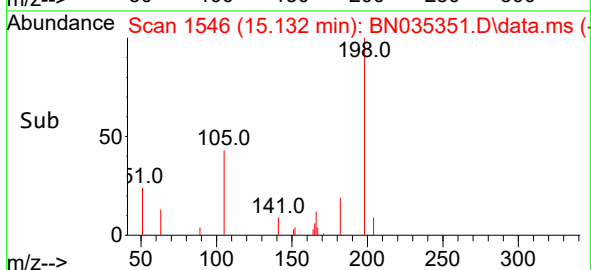
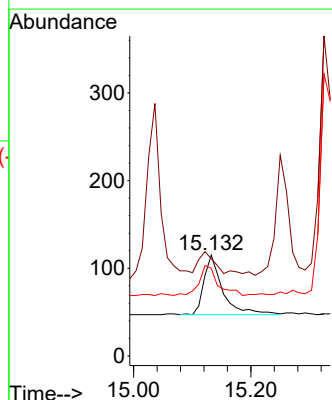
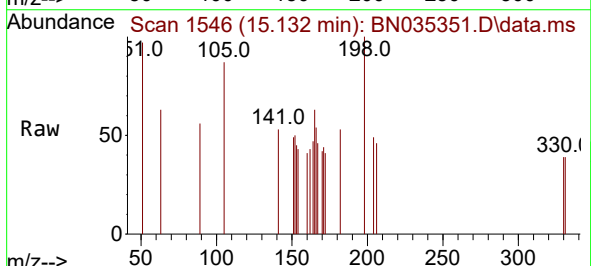
Tgt Ion:198 Resp: 153

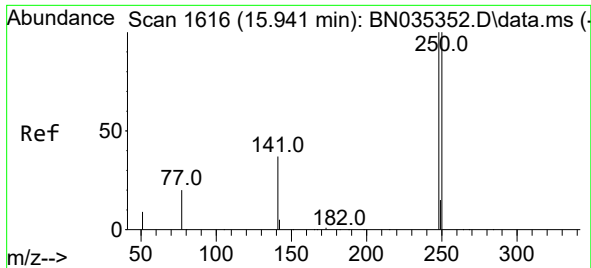
Ion Ratio Lower Upper

198 100

51 96.5 46.5 69.7#

105 87.0 45.3 67.9#

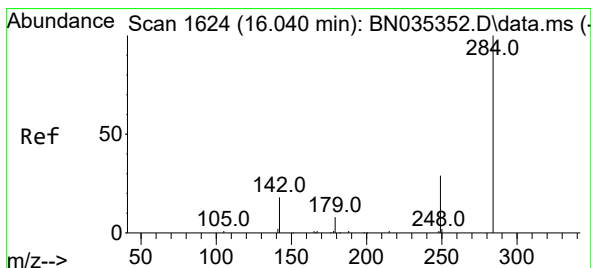
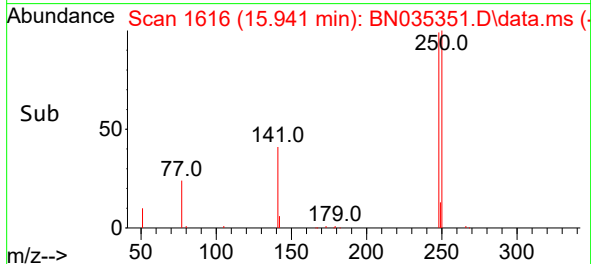
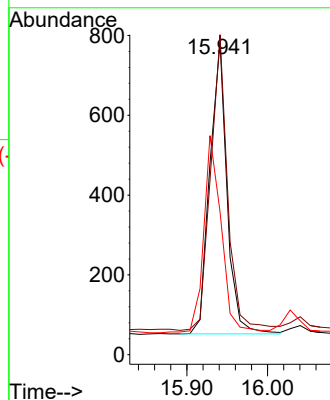
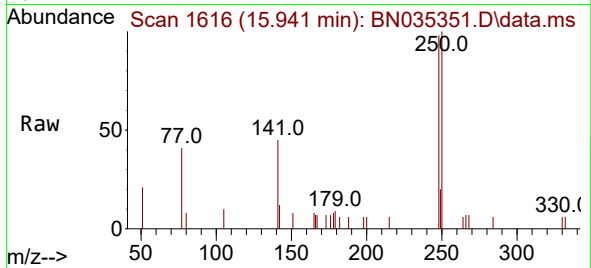




#21
4-Bromophenyl-phenylether
Concen: 0.171 ng
RT: 15.941 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

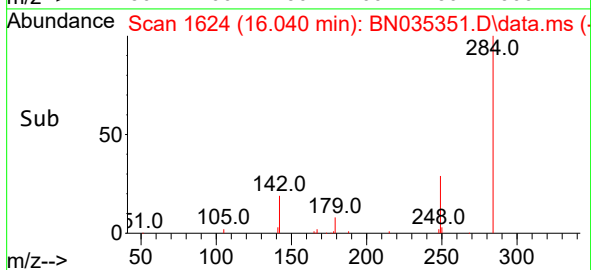
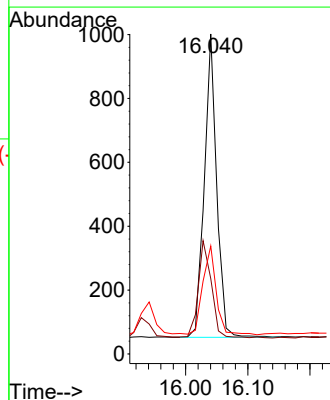
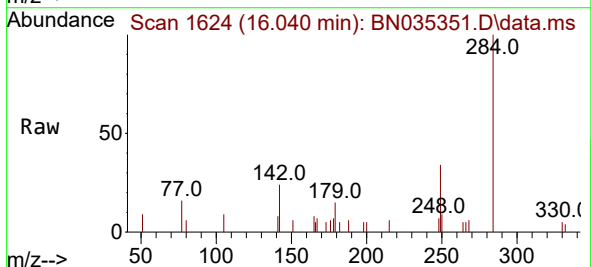
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

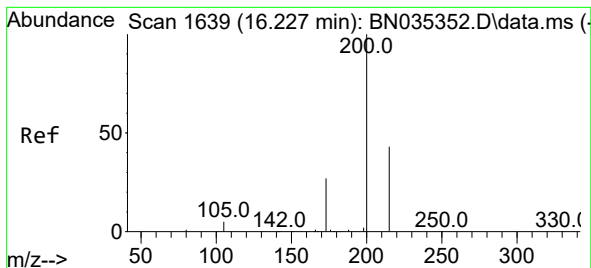
Tgt Ion:	248	Resp:	1081
Ion	Ratio	Lower	Upper
248	100		
250	102.3	80.6	120.8
141	45.7	31.5	47.3



#22
Hexachlorobenzene
Concen: 0.201 ng
RT: 16.040 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:	284	Resp:	1318
Ion	Ratio	Lower	Upper
284	100		
142	34.2	26.7	40.1
249	32.0	24.6	36.8





#23

Atrazine

Concen: 0.136 ng

RT: 16.227 min Scan# 1639

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

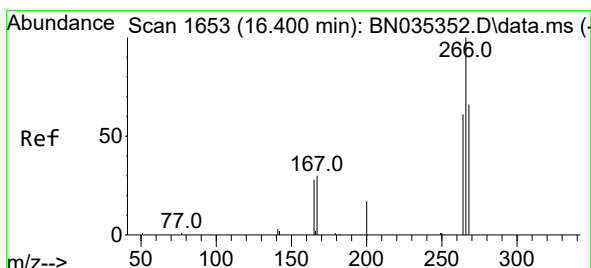
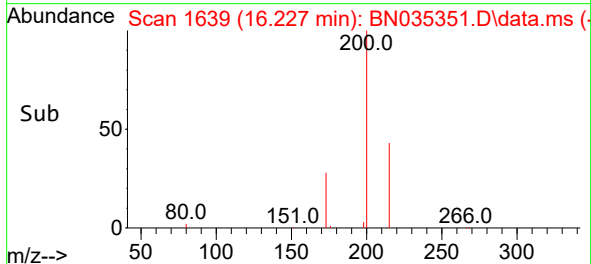
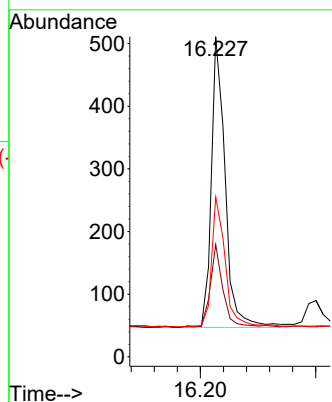
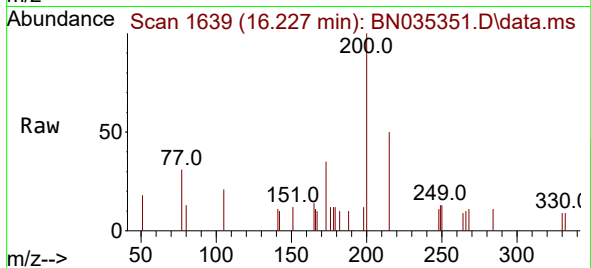
Tgt Ion:200 Resp: 770

Ion Ratio Lower Upper

200 100

173 35.0 24.1 36.1

215 49.9 36.9 55.3



#24

Pentachlorophenol

Concen: 0.145 ng

RT: 16.400 min Scan# 1653

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

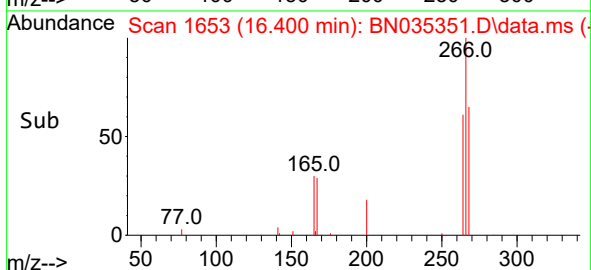
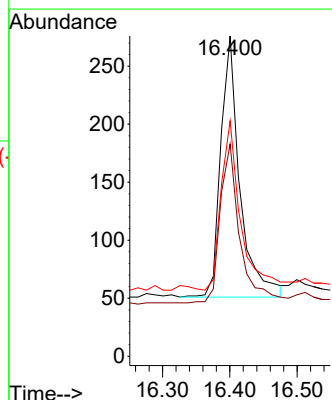
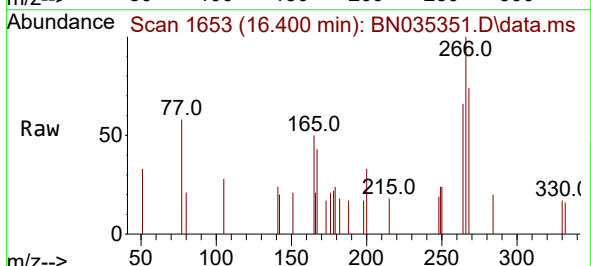
Tgt Ion:266 Resp: 445

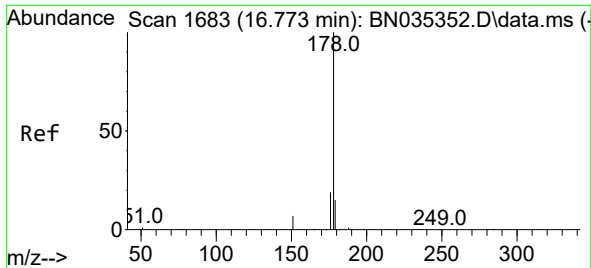
Ion Ratio Lower Upper

266 100

264 62.7 42.3 63.5

268 67.2 43.3 64.9#

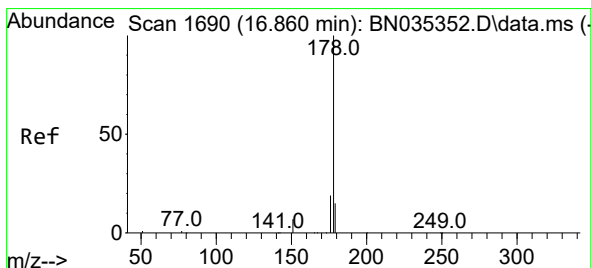
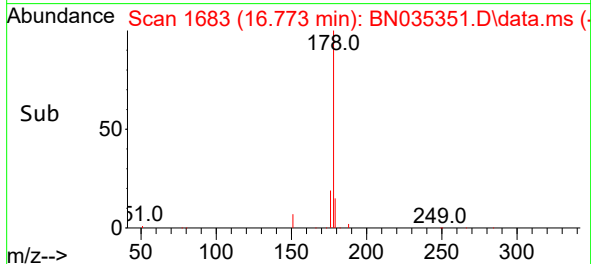
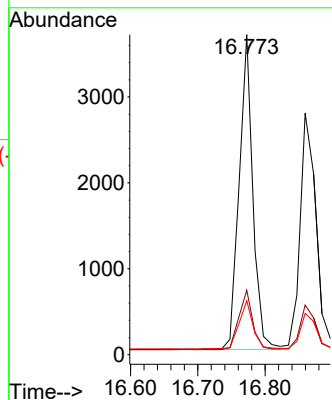
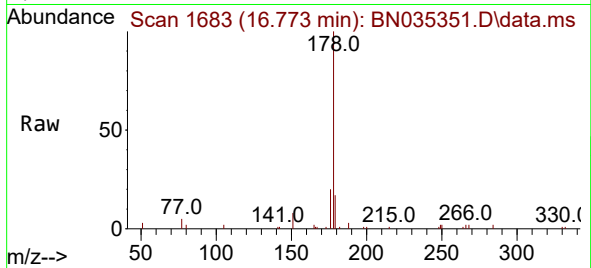




#25
Phenanthrene
Concen: 0.199 ng
RT: 16.773 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

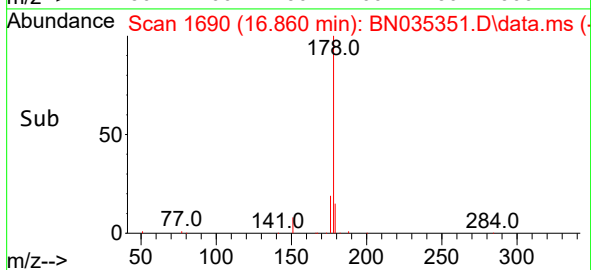
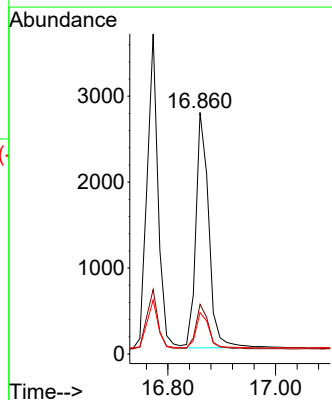
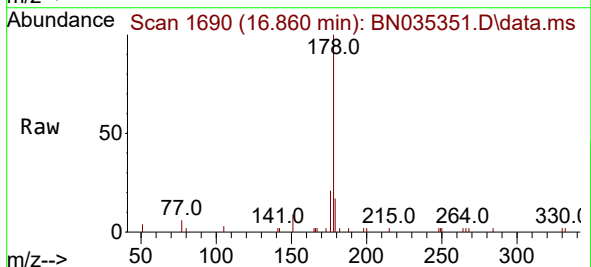
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

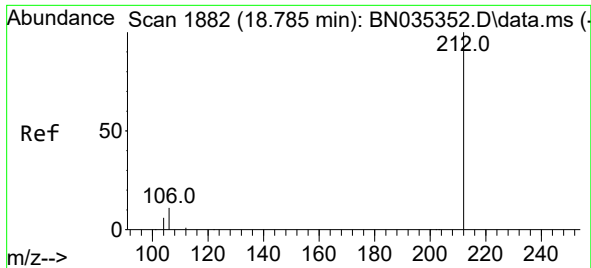
Tgt Ion:178 Resp: 5182
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.9 12.3 18.5



#26
Anthracene
Concen: 0.191 ng
RT: 16.860 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:178 Resp: 4571
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.4 12.6 18.8

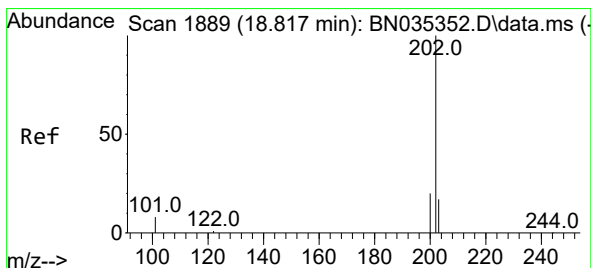
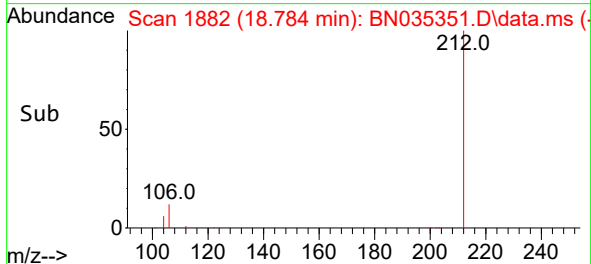
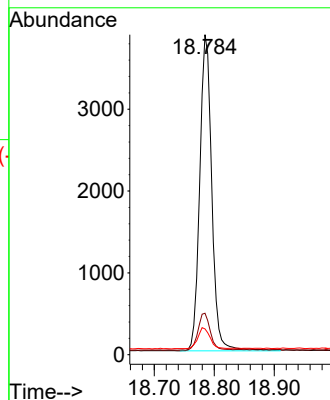
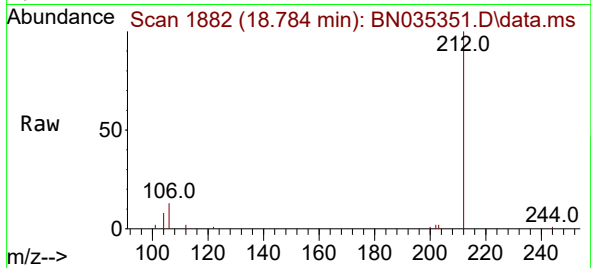




#27
Fluoranthene-d10
Concen: 0.177 ng
RT: 18.784 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

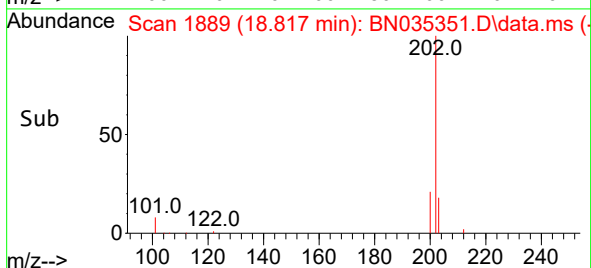
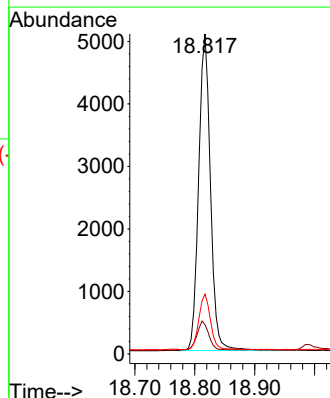
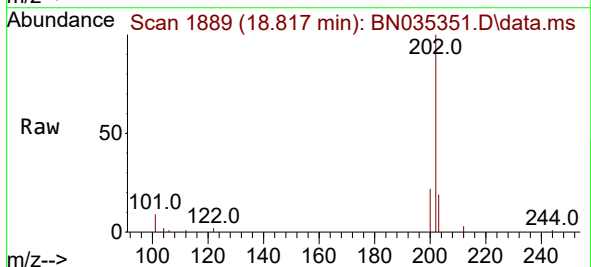
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

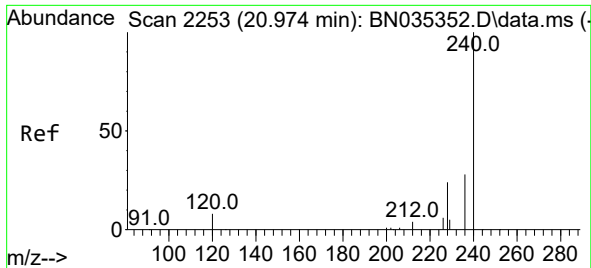
Tgt Ion:212 Resp: 5379
Ion Ratio Lower Upper
212 100
106 11.8 9.2 13.8
104 6.9 5.3 7.9



#28
Fluoranthene
Concen: 0.193 ng
RT: 18.817 min Scan# 1889
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:202 Resp: 6914
Ion Ratio Lower Upper
202 100
101 9.3 7.4 11.0
203 17.3 13.7 20.5

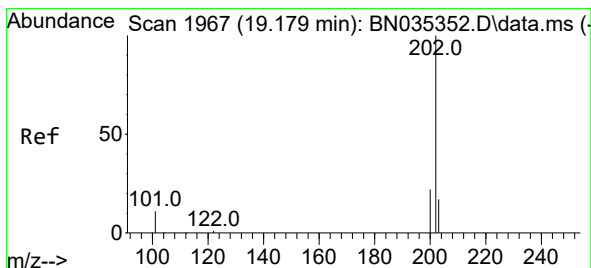
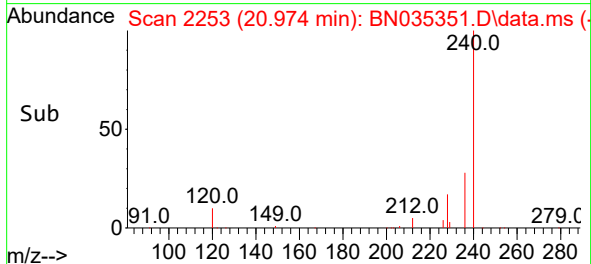
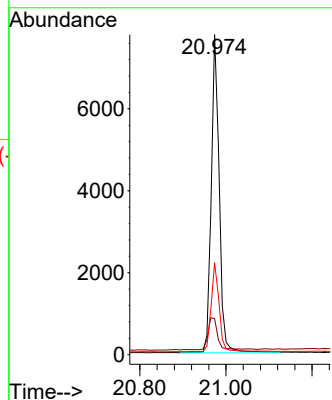
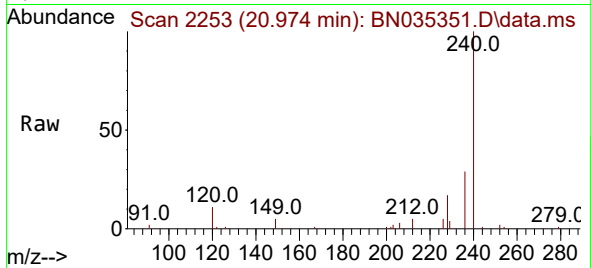




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

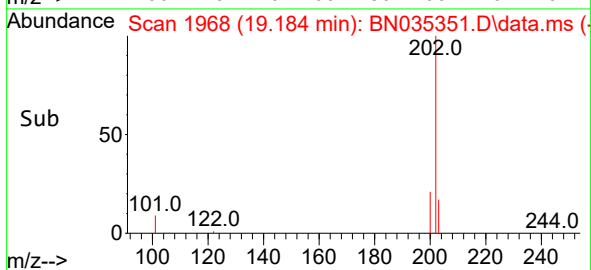
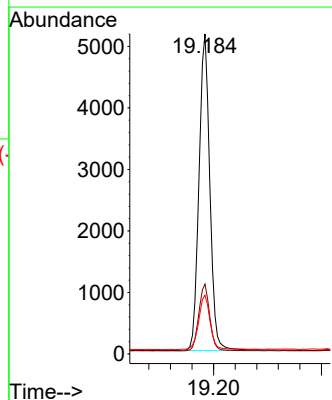
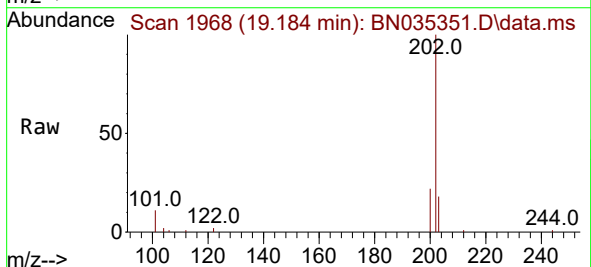
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

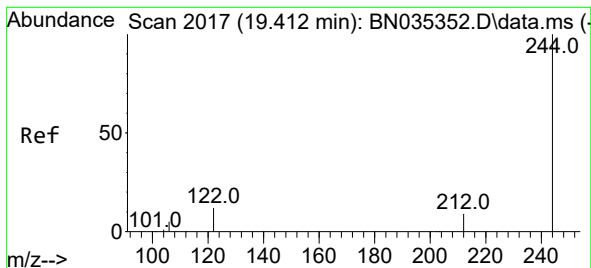
Tgt Ion:240 Resp: 9963
Ion Ratio Lower Upper
240 100
120 11.3 7.9 11.9
236 28.8 22.9 34.3



#30
Pyrene
Concen: 0.217 ng
RT: 19.184 min Scan# 1968
Delta R.T. 0.005 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:202 Resp: 7198
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.0 14.3 21.5





#31

Terphenyl-d14

Concen: 0.185 ng

RT: 19.416 min Scan# 2017

Delta R.T. 0.005 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

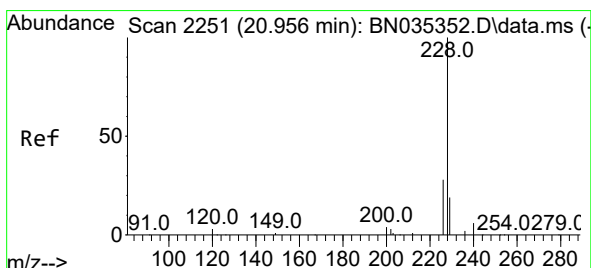
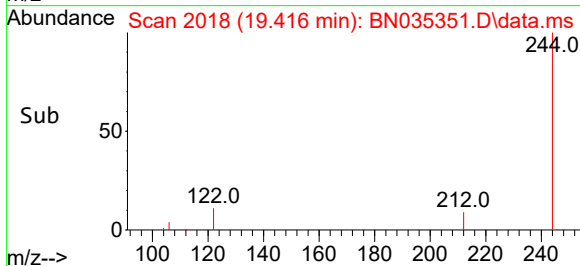
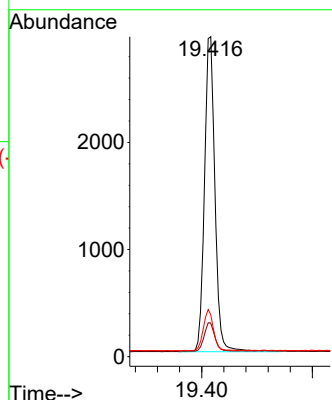
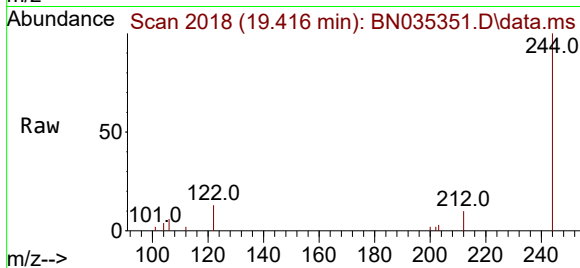
Tgt Ion:244 Resp: 3871

Ion Ratio Lower Upper

244 100

212 10.5 8.1 12.1

122 13.1 10.3 15.5



#32

Benzo(a)anthracene

Concen: 0.193 ng

RT: 20.956 min Scan# 2251

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

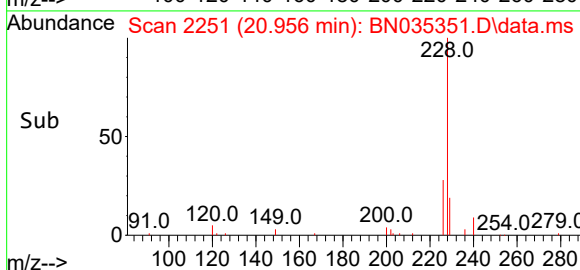
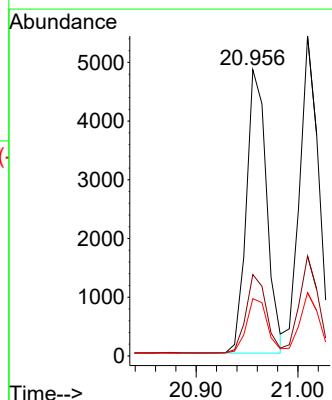
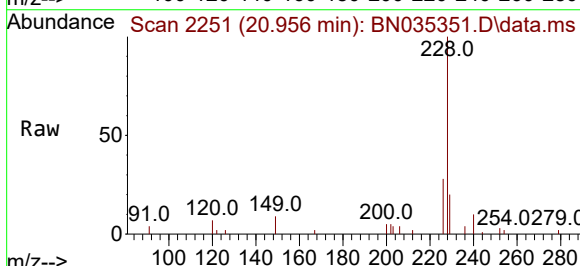
Tgt Ion:228 Resp: 6691

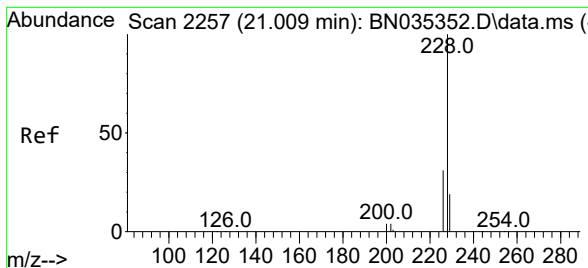
Ion Ratio Lower Upper

228 100

226 28.4 22.5 33.7

229 20.0 15.8 23.8





#33

Chrysene

Concen: 0.211 ng

RT: 21.009 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

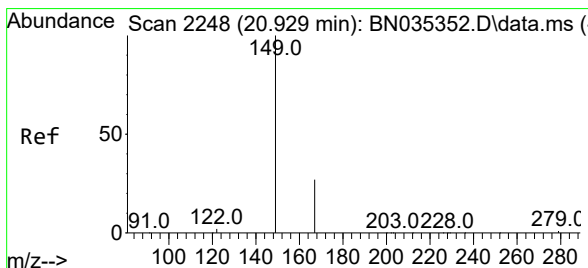
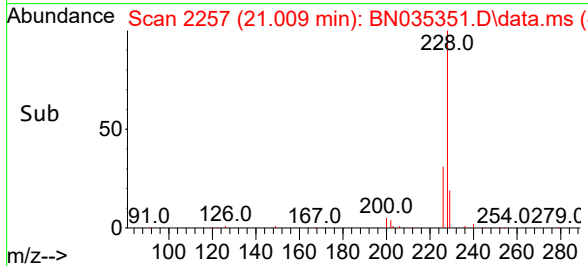
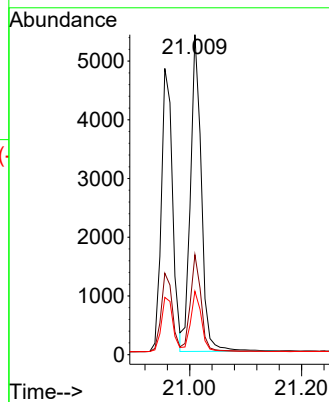
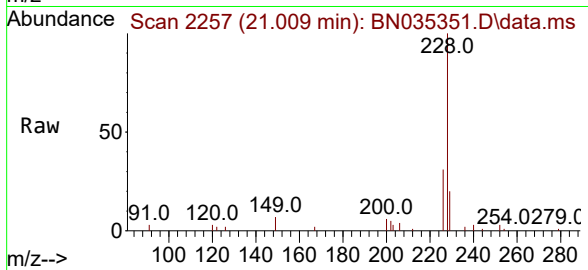
Tgt Ion:228 Resp: 7234

Ion Ratio Lower Upper

228 100

226 31.2 24.6 37.0

229 19.8 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.153 ng

RT: 20.938 min Scan# 2249

Delta R.T. 0.009 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

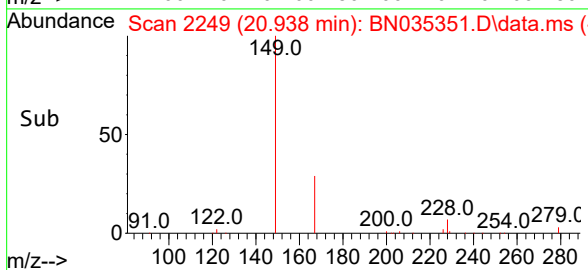
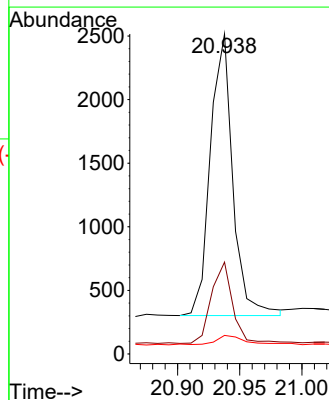
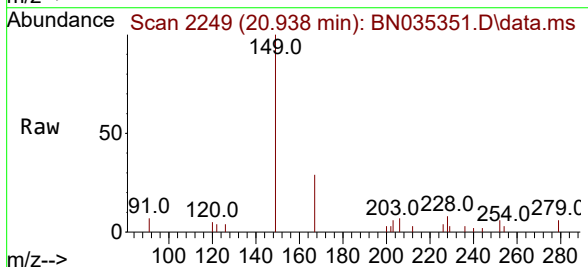
Tgt Ion:149 Resp: 2779

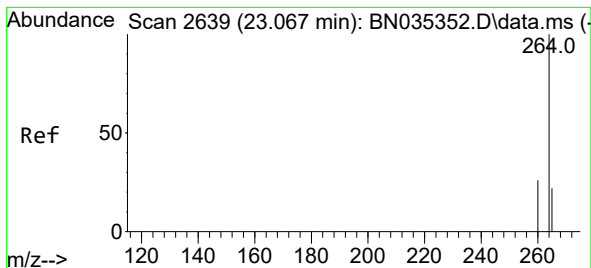
Ion Ratio Lower Upper

149 100

167 27.5 22.2 33.4

279 4.8 2.7 4.1#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.070 min Scan# 2

Delta R.T. 0.003 min

Lab File: BN035351.D

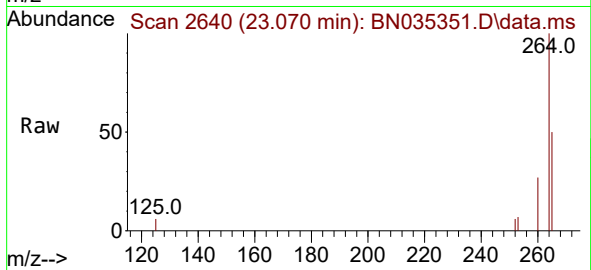
Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



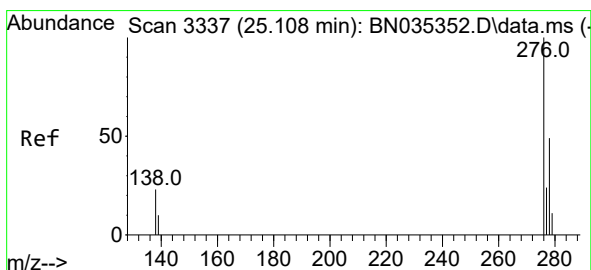
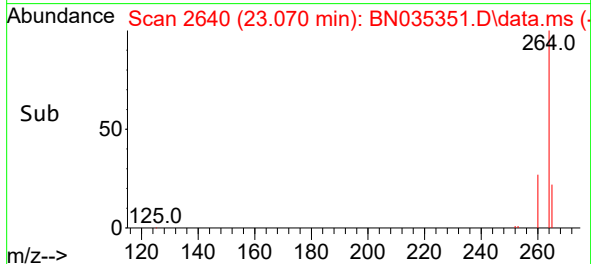
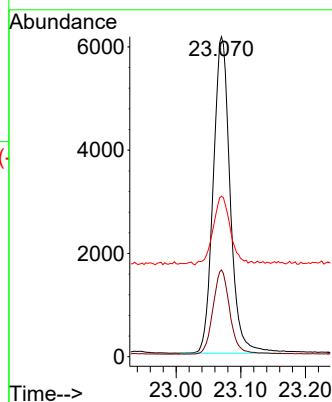
Tgt Ion:264 Resp: 11158

Ion Ratio Lower Upper

264 100

260 27.1 21.4 32.2

265 50.2 40.2 60.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.187 ng

RT: 25.108 min Scan# 3337

Delta R.T. -0.000 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

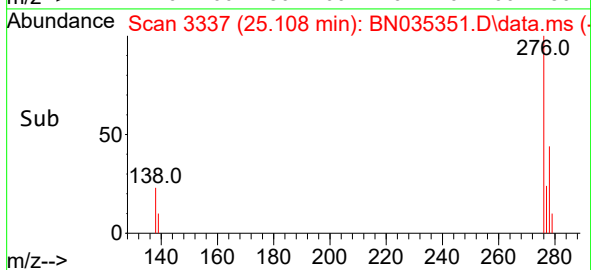
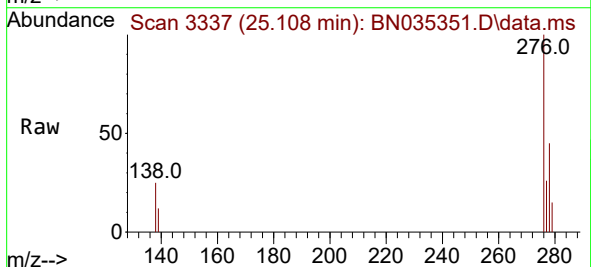
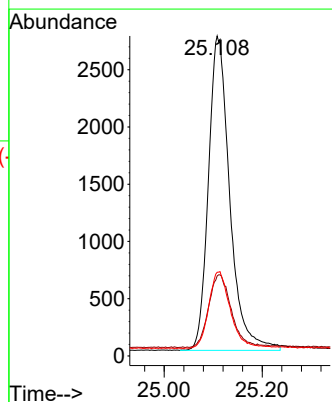
Tgt Ion:276 Resp: 8305

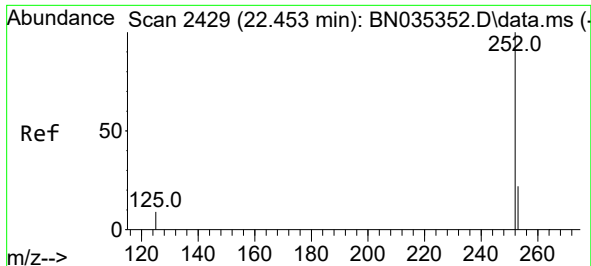
Ion Ratio Lower Upper

276 100

138 24.3 19.4 29.0

277 24.7 19.8 29.6

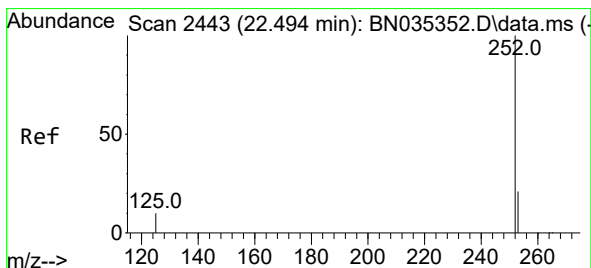
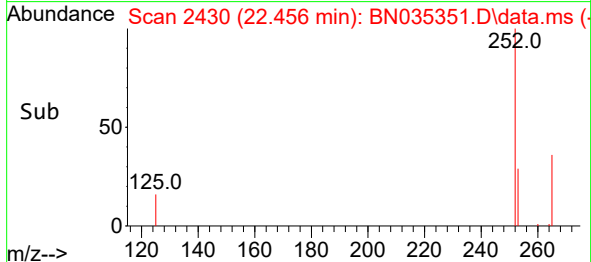
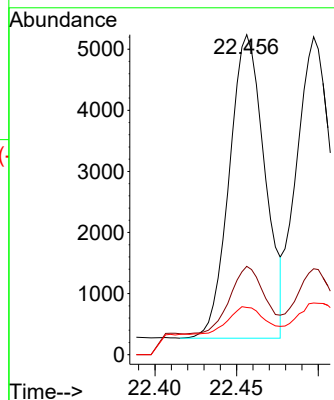
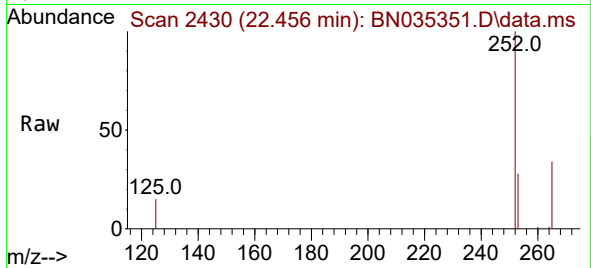




#37
Benzo(b)fluoranthene
Concen: 0.200 ng
RT: 22.456 min Scan# 2430
Delta R.T. 0.003 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

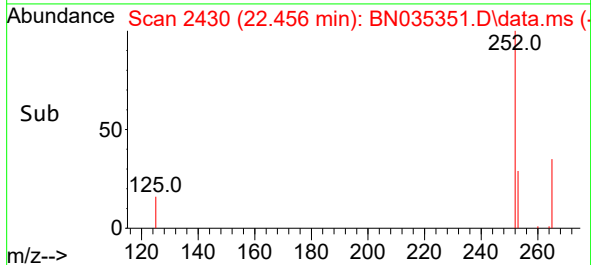
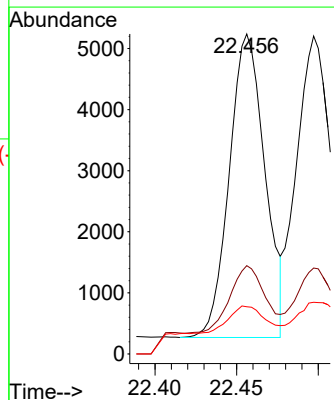
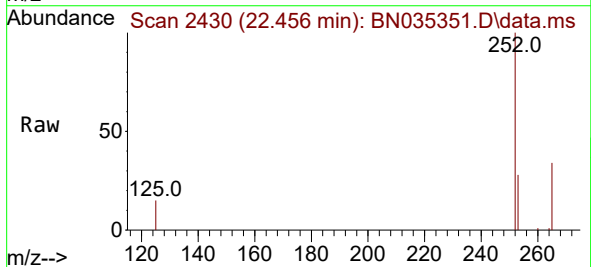
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

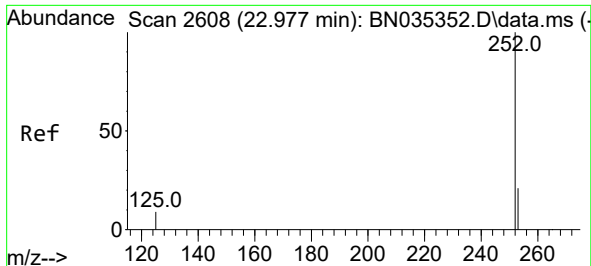
Tgt Ion:252 Resp: 7522
Ion Ratio Lower Upper
252 100
253 27.6 19.6 29.4
125 14.8 9.6 14.4#



#38
Benzo(k)fluoranthene
Concen: 0.200 ng
RT: 22.456 min Scan# 2430
Delta R.T. -0.038 min
Lab File: BN035351.D
Acq: 27 Nov 2024 16:10

Tgt Ion:252 Resp: 7522
Ion Ratio Lower Upper
252 100
253 27.6 19.5 29.3
125 14.8 10.2 15.4





#39

Benzo(a)pyrene

Concen: 0.195 ng

RT: 22.980 min Scan# 2609

Delta R.T. 0.003 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

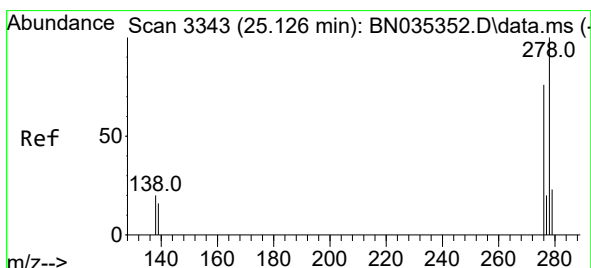
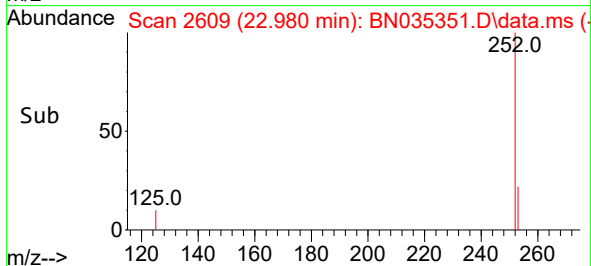
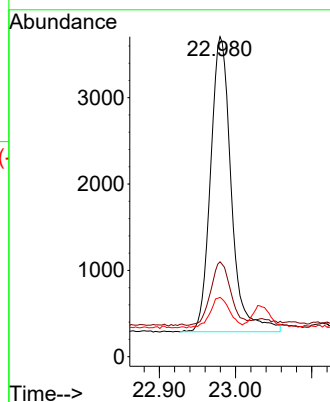
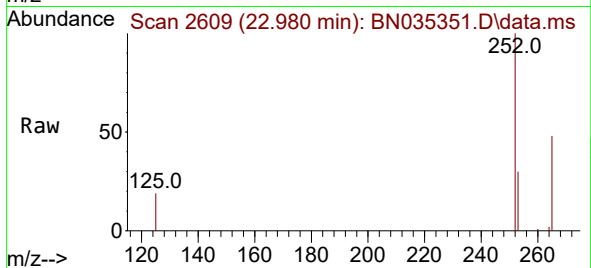
Tgt Ion:252 Resp: 6450

Ion Ratio Lower Upper

252 100

253 29.7 20.2 30.4

125 18.5 10.9 16.3#



#40

Dibenzo(a,h)anthracene

Concen: 0.188 ng

RT: 25.128 min Scan# 3344

Delta R.T. 0.003 min

Lab File: BN035351.D

Acq: 27 Nov 2024 16:10

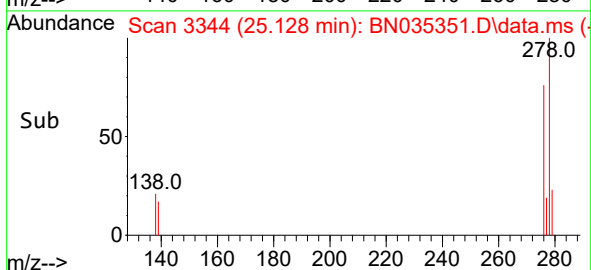
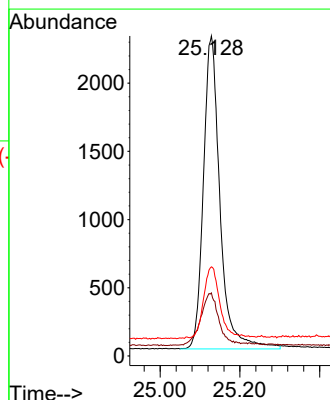
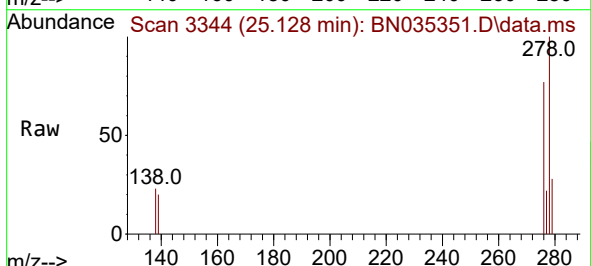
Tgt Ion:278 Resp: 6620

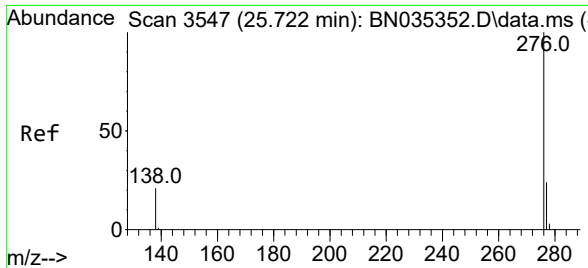
Ion Ratio Lower Upper

278 100

139 19.7 14.2 21.4

279 27.9 20.5 30.7





#41

Benzo(g,h,i)perylene

Concen: 0.184 ng

RT: 25.725 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN035351.D

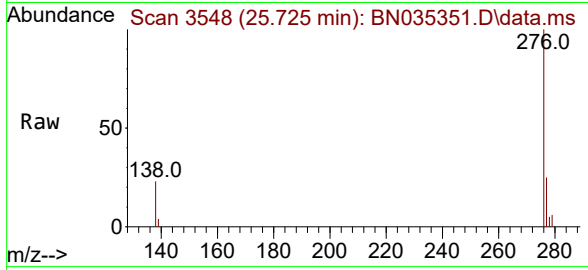
Acq: 27 Nov 2024 16:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



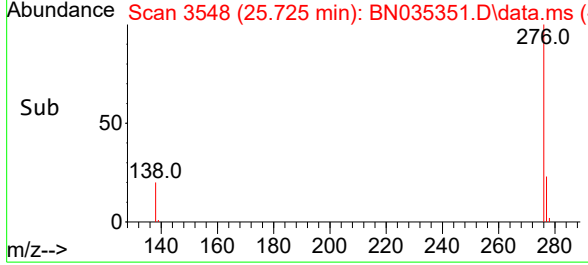
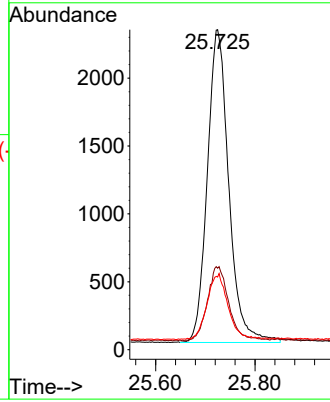
Tgt Ion:276 Resp: 6908

Ion Ratio Lower Upper

276 100

277 25.5 19.9 29.9

138 22.7 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035352.D
 Acq On : 27 Nov 2024 16:46
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Nov 27 22:52:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 22:48:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

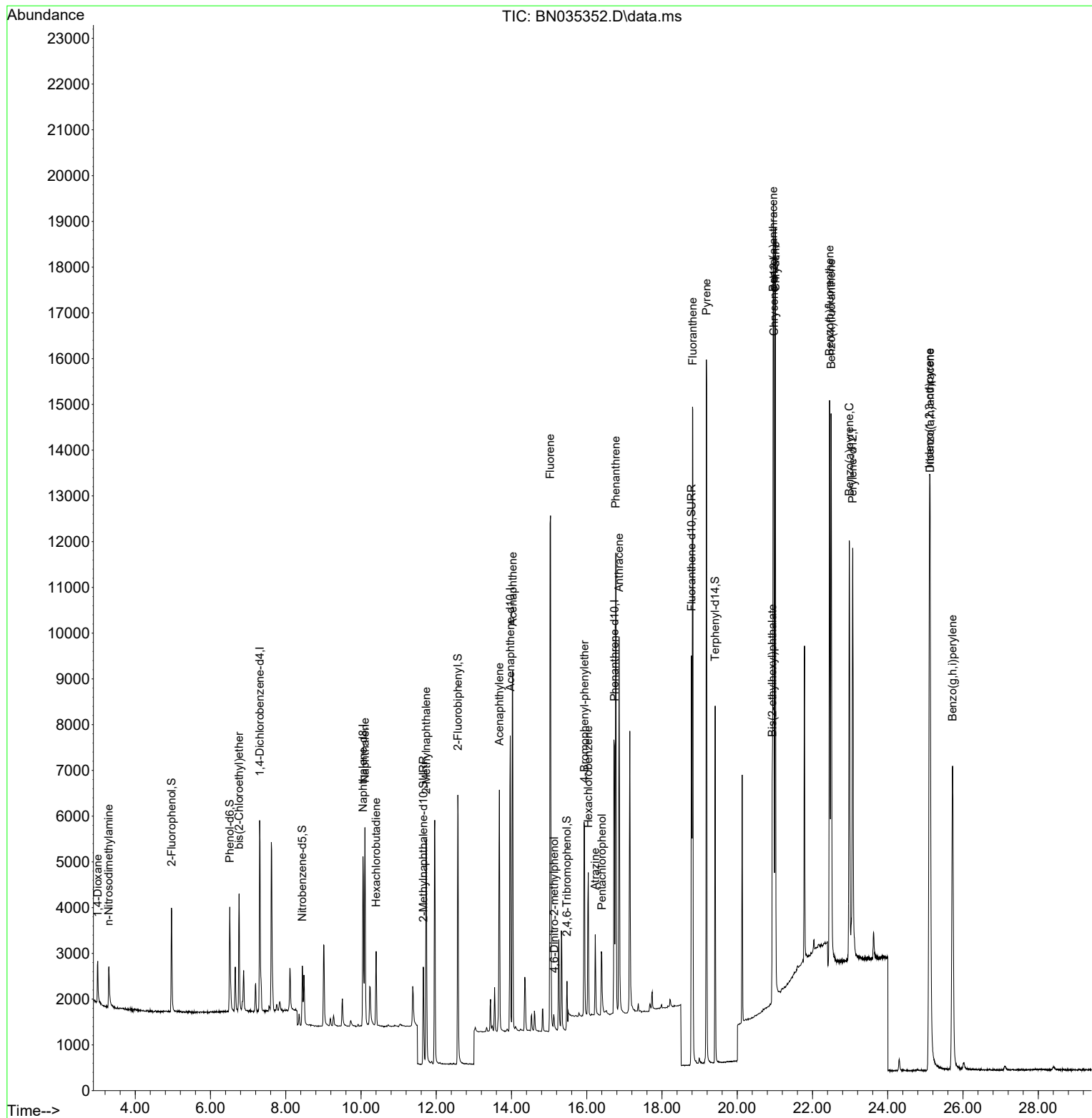
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2048	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5229	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	3799	0.400	ng	0.00
19) Phenanthrene-d10	16.736	188	9490	0.400	ng	0.00
29) Chrysene-d12	20.974	240	9527	0.400	ng	0.00
35) Perylene-d12	23.067	264	10842	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	2085	0.401	ng	0.00
5) Phenol-d6	6.513	99	2444	0.375	ng	0.00
8) Nitrobenzene-d5	8.440	82	1371	0.301	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	3237	0.347	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	975	0.356	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	5735	0.372	ng	0.00
27) Fluoranthene-d10	18.785	212	10223	0.352	ng	0.00
31) Terphenyl-d14	19.412	244	7533	0.377	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	771	0.414	ng	100
3) n-Nitrosodimethylamine	3.292	42	668	0.385	ng	100
6) bis(2-Chloroethyl)ether	6.759	93	2032	0.415	ng	100
9) Naphthalene	10.105	128	5475	0.401	ng	100
10) Hexachlorobutadiene	10.404	225	1292	0.323	ng	# 100
12) 2-Methylnaphthalene	11.732	142	3867	0.384	ng	100
16) Acenaphthylene	13.679	152	6058	0.373	ng	100
17) Acenaphthene	14.031	154	4125	0.388	ng	100
18) Fluorene	15.026	166	5863	0.375	ng	100
20) 4,6-Dinitro-2-methylph...	15.133	198	337	0.171	ng	100
21) 4-Bromophenyl-phenylether	15.941	248	2146	0.355	ng	100
22) Hexachlorobenzene	16.040	284	2590	0.413	ng	100
23) Atrazine	16.227	200	1461	0.269	ng	100
24) Pentachlorophenol	16.400	266	906	0.309	ng	87
25) Phenanthrene	16.773	178	10127	0.405	ng	100
26) Anthracene	16.860	178	8921	0.389	ng	100
28) Fluoranthene	18.817	202	13438	0.391	ng	100
30) Pyrene	19.179	202	14053	0.443	ng	100
32) Benzo(a)anthracene	20.956	228	12908	0.389	ng	100
33) Chrysene	21.009	228	13729	0.418	ng	100
34) Bis(2-ethylhexyl)phtha...	20.929	149	4912	0.282	ng	100
36) Indeno(1,2,3-cd)pyrene	25.108	276	16615	0.384	ng	100
37) Benzo(b)fluoranthene	22.453	252	14235	0.390	ng	100
38) Benzo(k)fluoranthene	22.494	252	15199	0.416	ng	100
39) Benzo(a)pyrene	22.977	252	12425	0.387	ng	100
40) Dibenzo(a,h)anthracene	25.126	278	12948	0.378	ng	100
41) Benzo(g,h,i)perylene	25.722	276	13529	0.371	ng	100

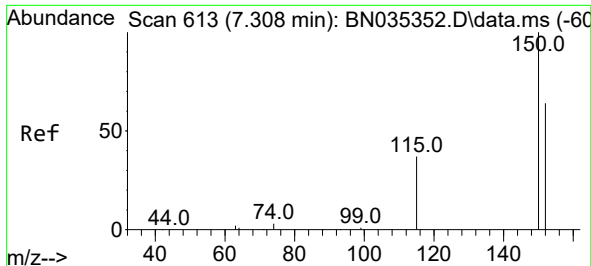
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035352.D
Acq On : 27 Nov 2024 16:46
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Nov 27 22:52:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 22:48:24 2024
Response via : Initial Calibration

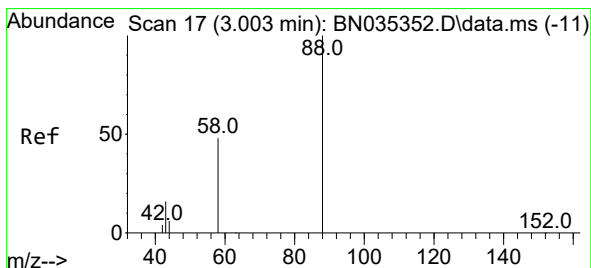
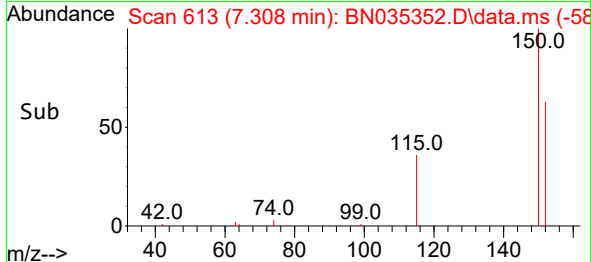
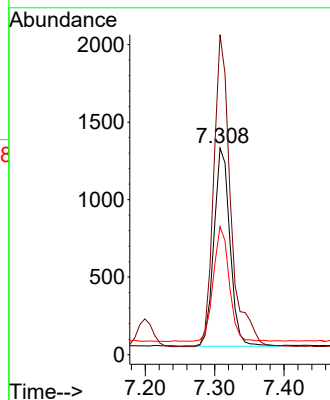
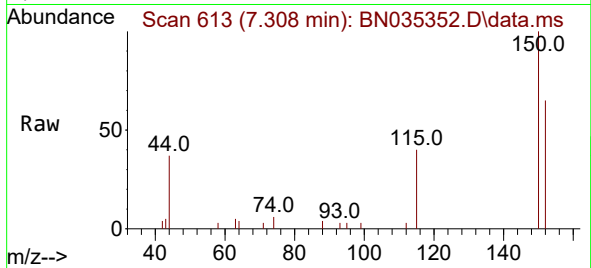




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.308 min Scan# 613
 Delta R.T. -0.000 min
 Lab File: BN035352.D
 Acq: 27 Nov 2024 16:46

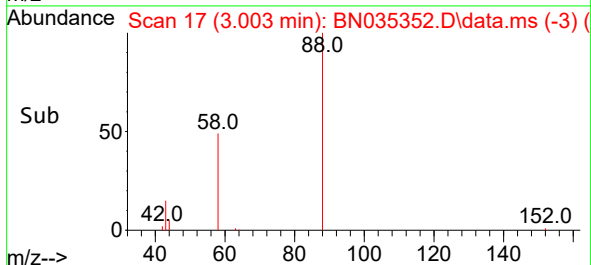
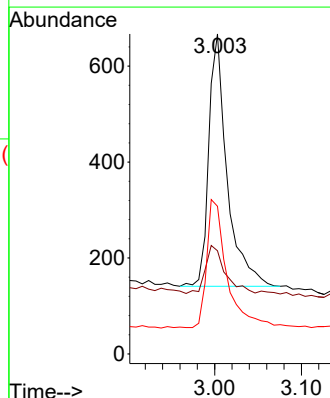
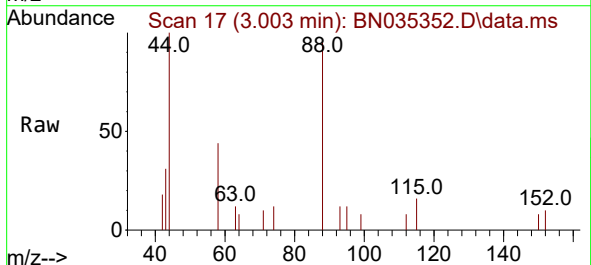
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

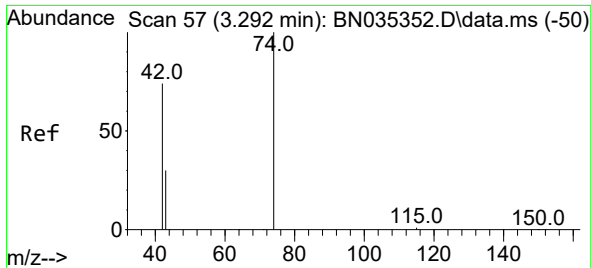
Tgt Ion:152 Resp: 2048
 Ion Ratio Lower Upper
 152 100
 150 155.0 124.0 186.0
 115 62.0 49.6 74.4



#2
 1,4-Dioxane
 Concen: 0.414 ng
 RT: 3.003 min Scan# 17
 Delta R.T. 0.000 min
 Lab File: BN035352.D
 Acq: 27 Nov 2024 16:46

Tgt Ion: 88 Resp: 771
 Ion Ratio Lower Upper
 88 100
 43 21.5 17.2 25.8
 58 55.6 44.5 66.7

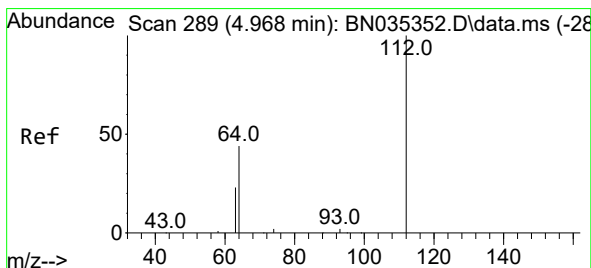
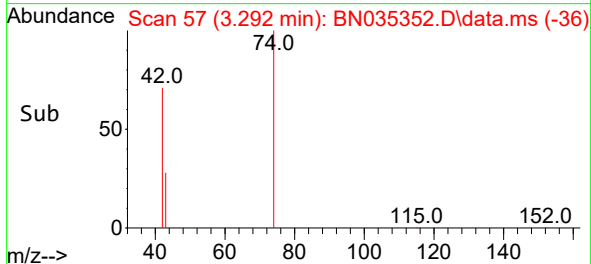
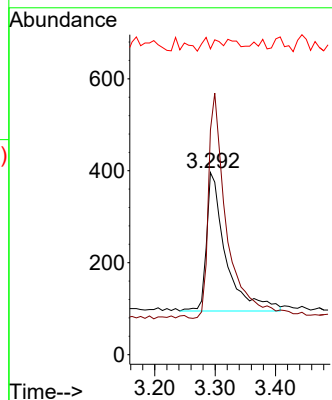
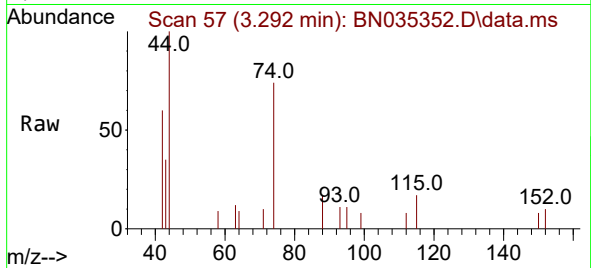




#3
n-Nitrosodimethylamine
Concen: 0.385 ng
RT: 3.292 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

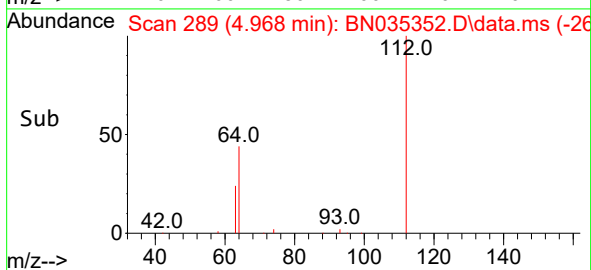
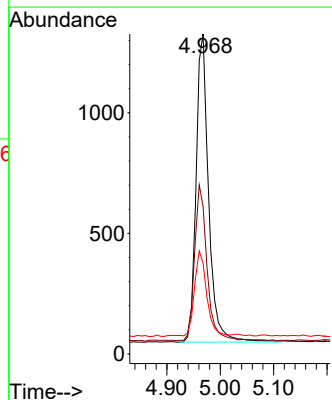
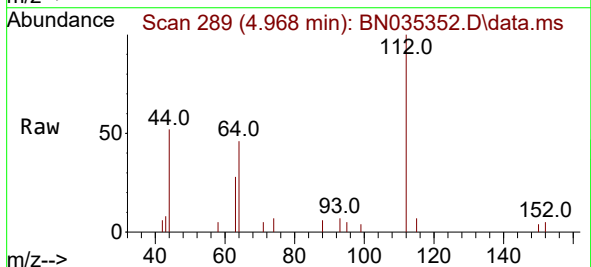
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

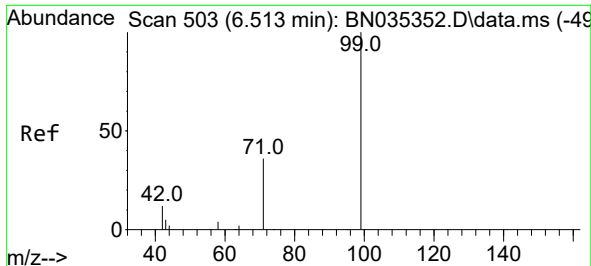
Tgt Ion: 42 Resp: 668
Ion Ratio Lower Upper
42 100
74 156.1 124.9 187.3
44 2.8 2.2 3.4



#4
2-Fluorophenol
Concen: 0.401 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion: 112 Resp: 2085
Ion Ratio Lower Upper
112 100
64 49.8 39.8 59.8
63 26.3 21.0 31.6

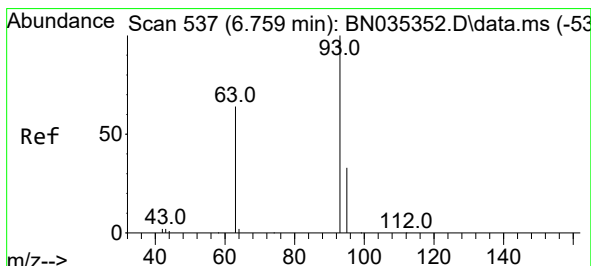
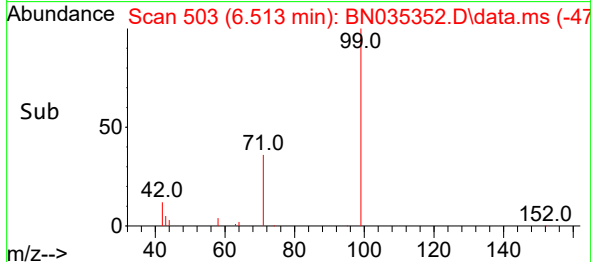
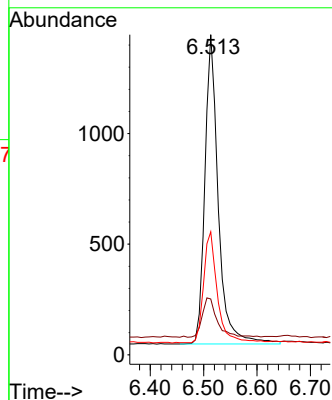
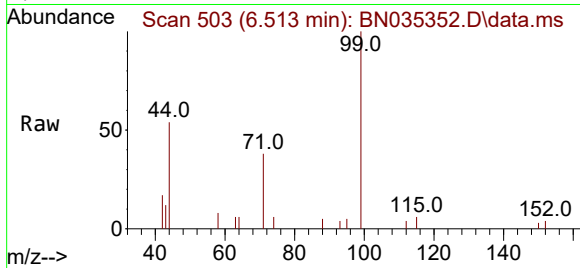




#5
Phenol-d6
Concen: 0.375 ng
RT: 6.513 min Scan# 503
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

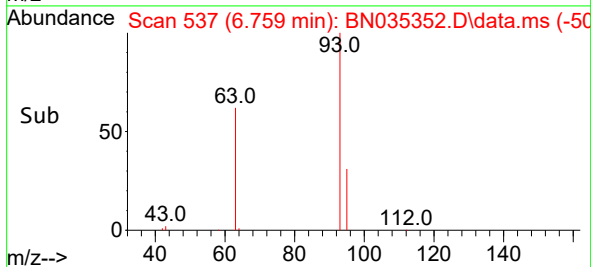
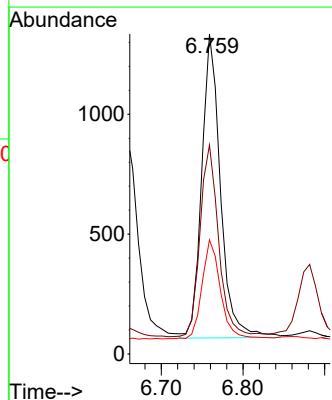
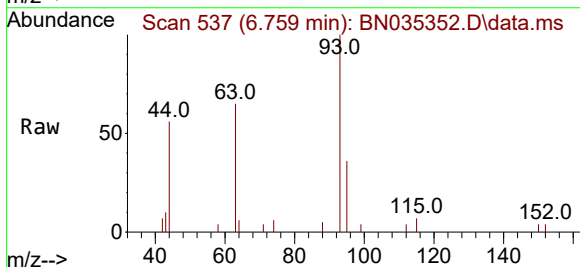
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

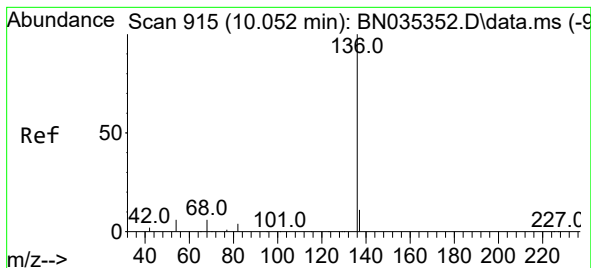
Tgt Ion:	99	Resp:	2444
Ion	Ratio	Lower	Upper
99	100		
42	14.3	11.4	17.2
71	36.6	29.3	43.9



#6
bis(2-Chloroethyl)ether
Concen: 0.415 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:	93	Resp:	2032
Ion	Ratio	Lower	Upper
93	100		
63	63.0	50.4	75.6
95	32.1	25.7	38.5





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.052 min Scan# 915

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

Tgt Ion:136 Resp: 5229

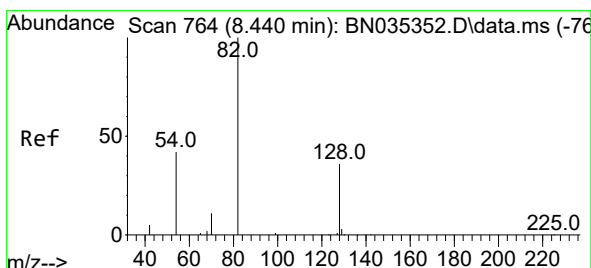
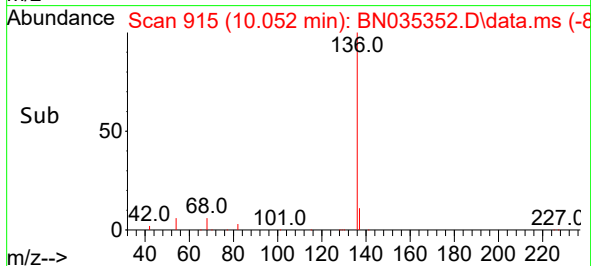
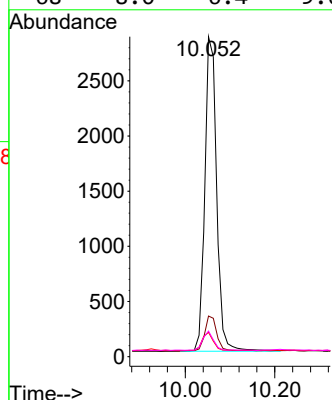
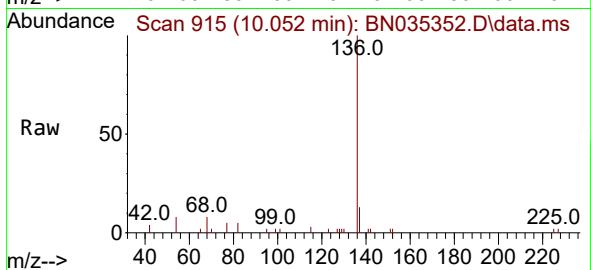
Ion Ratio Lower Upper

136 100

137 12.7 10.2 15.2

54 7.6 6.1 9.1

68 8.0 6.4 9.6



#8

Nitrobenzene-d5

Concen: 0.301 ng

RT: 8.440 min Scan# 764

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

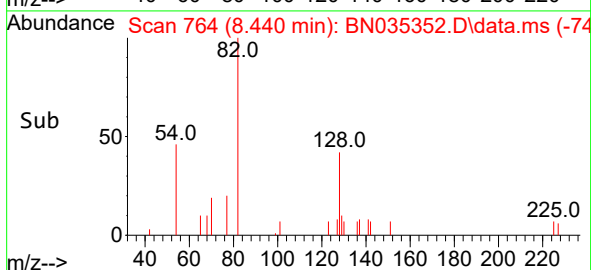
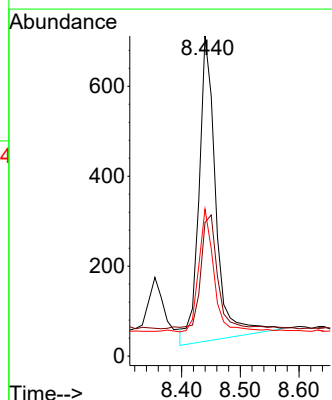
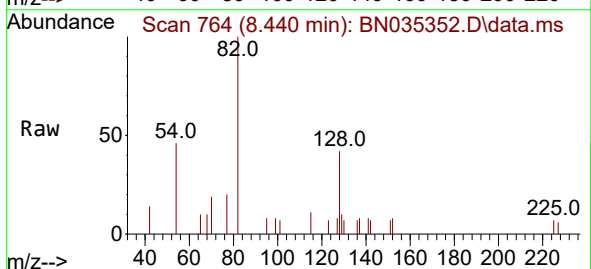
Tgt Ion: 82 Resp: 1371

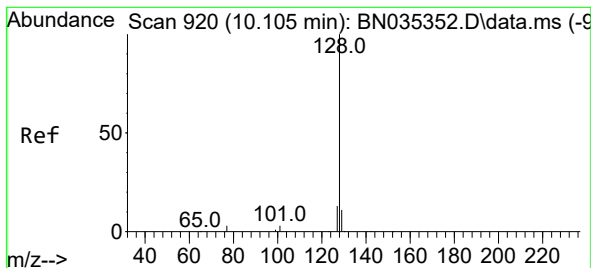
Ion Ratio Lower Upper

82 100

128 41.7 33.4 50.0

54 45.9 36.7 55.1





#9

Naphthalene

Concen: 0.401 ng

RT: 10.105 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

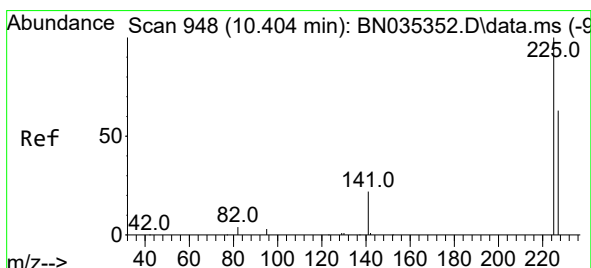
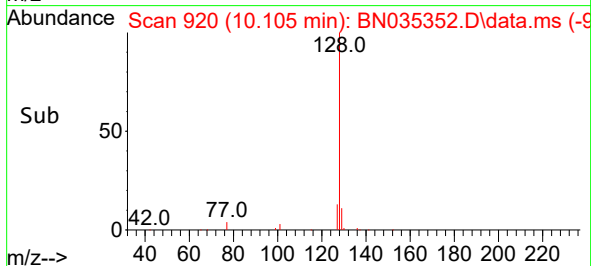
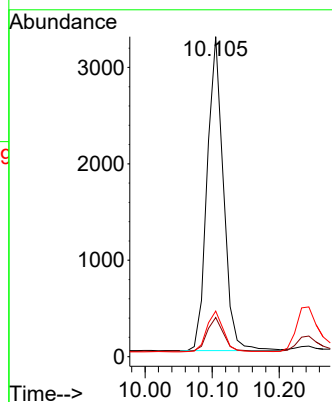
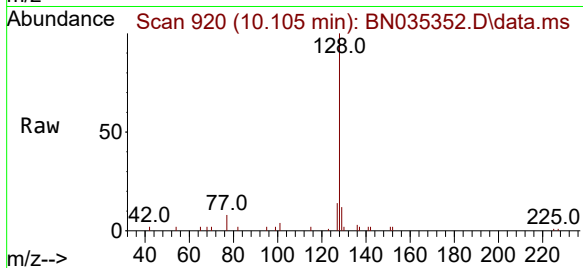
Tgt Ion:128 Resp: 5475

Ion Ratio Lower Upper

128 100

129 12.2 9.8 14.6

127 14.3 11.4 17.2



#10

Hexachlorobutadiene

Concen: 0.323 ng

RT: 10.404 min Scan# 948

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

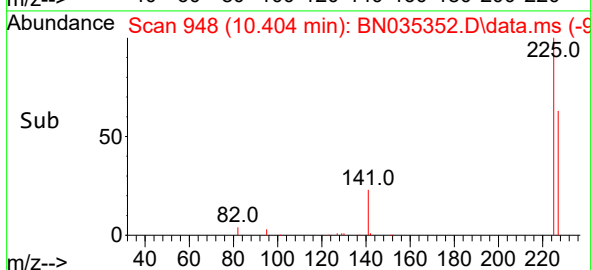
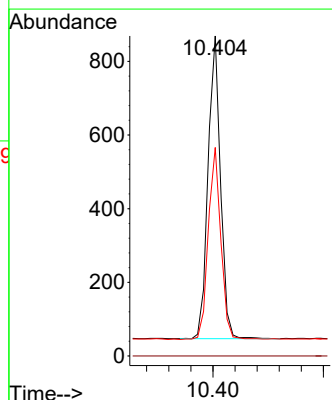
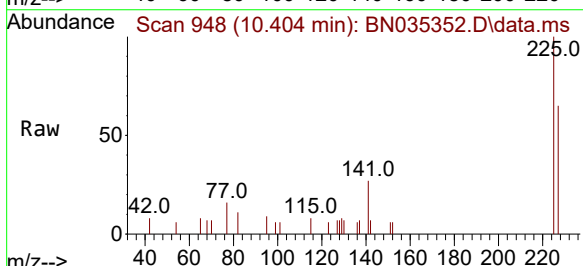
Tgt Ion:225 Resp: 1292

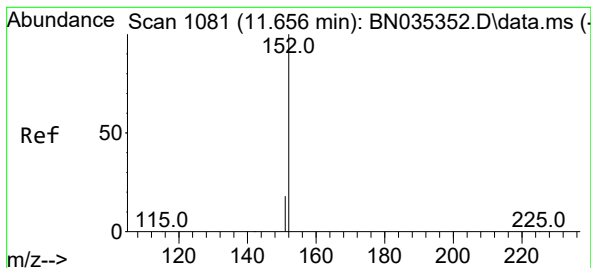
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 64.1 51.3 76.9

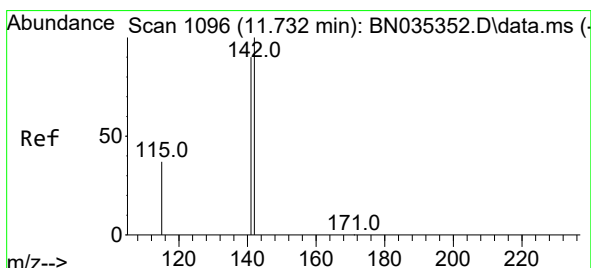
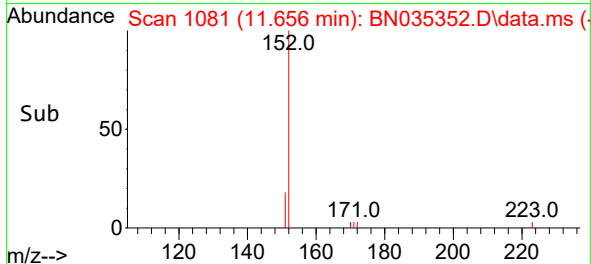
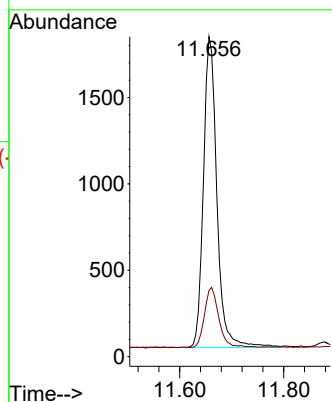
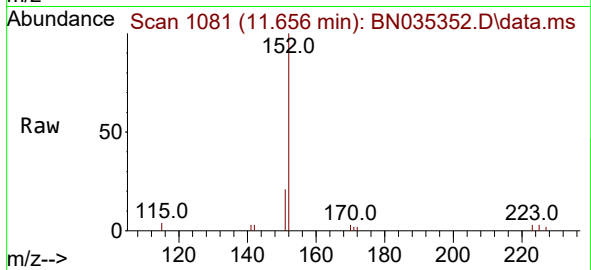




#11
2-Methylnaphthalene-d10
Concen: 0.347 ng
RT: 11.656 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

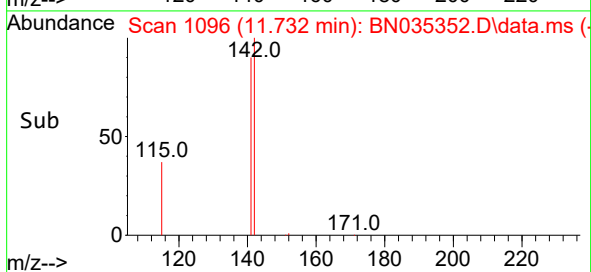
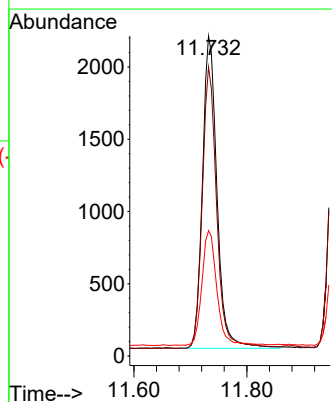
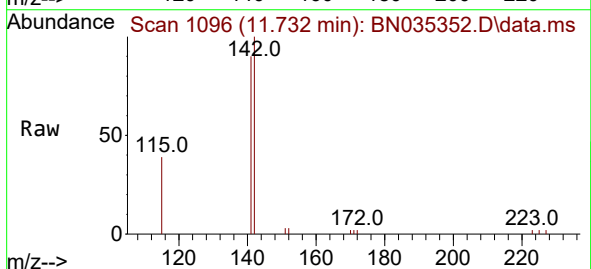
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

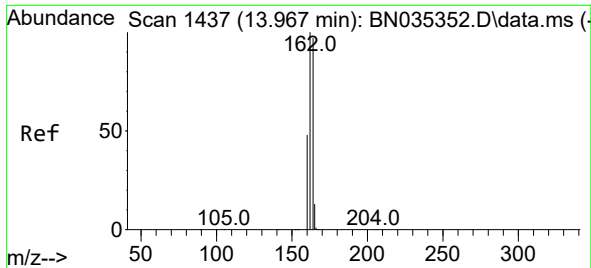
Tgt Ion:152 Resp: 3237
Ion Ratio Lower Upper
152 100
151 20.8 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.384 ng
RT: 11.732 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:142 Resp: 3867
Ion Ratio Lower Upper
142 100
141 90.3 72.2 108.4
115 39.2 31.4 47.0

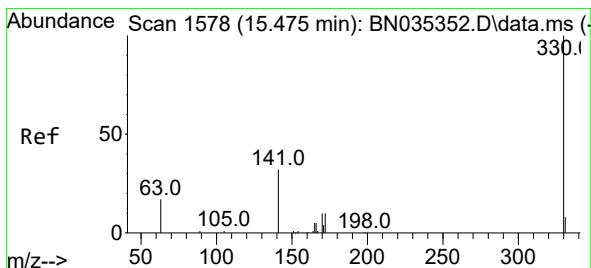
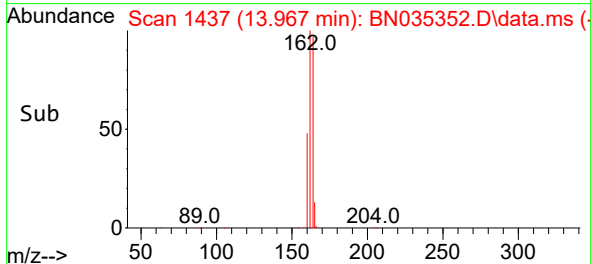
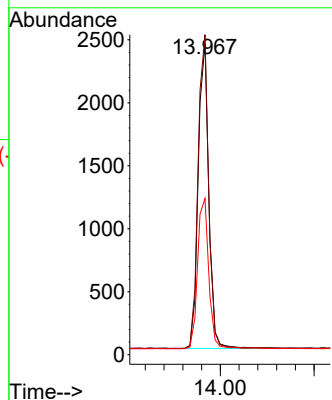
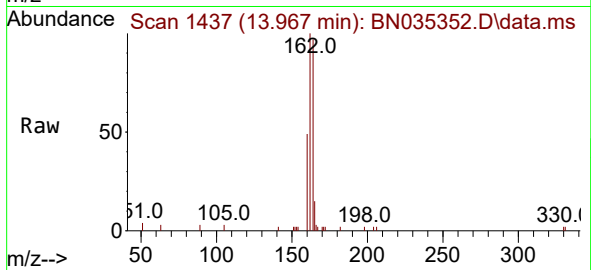




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

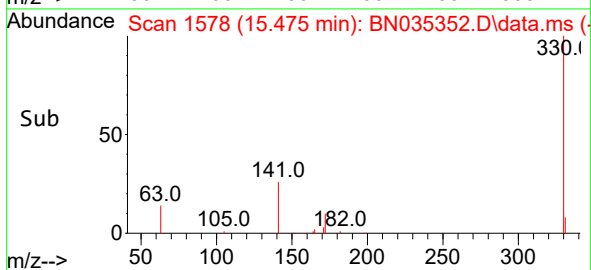
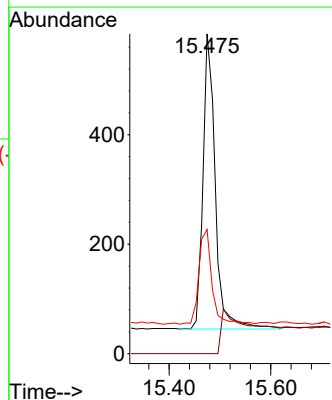
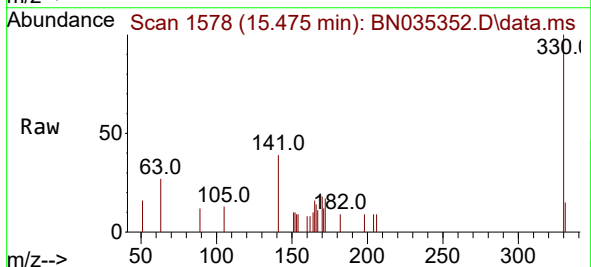
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

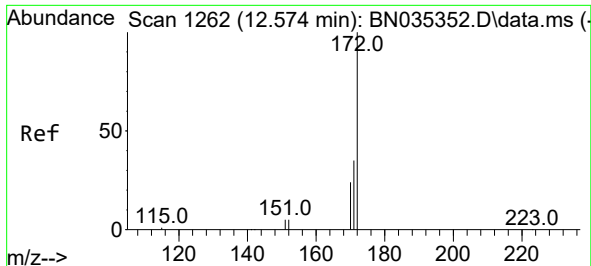
Tgt Ion:164 Resp: 3799
Ion Ratio Lower Upper
164 100
162 102.7 82.2 123.2
160 50.1 40.1 60.1



#14
2,4,6-Tribromophenol
Concen: 0.356 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:330 Resp: 975
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.3 26.6 40.0

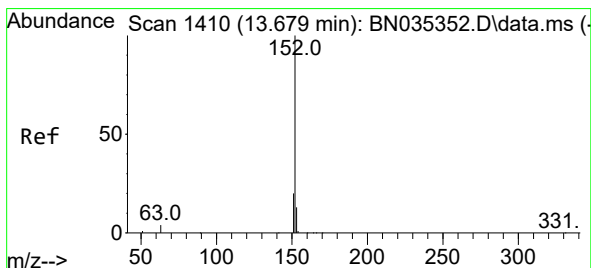
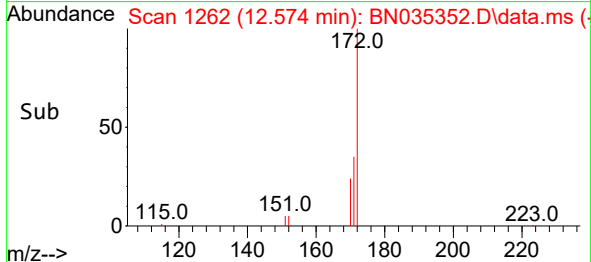
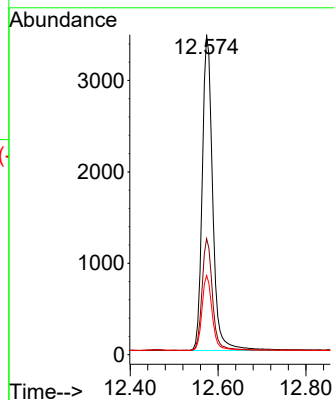
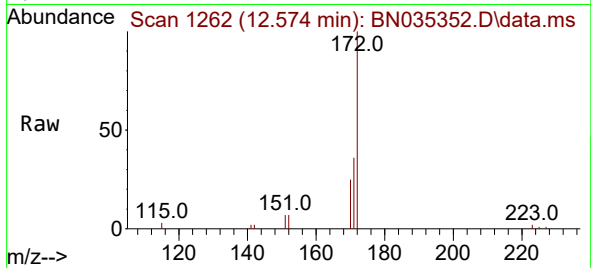




#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 12.574 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

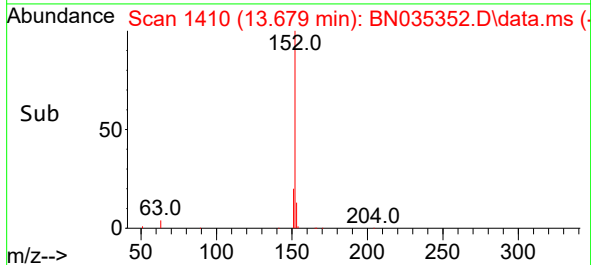
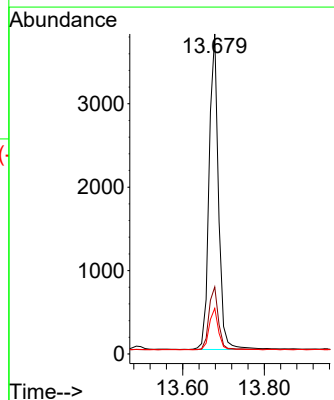
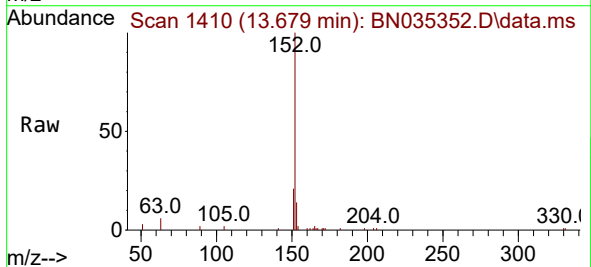
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

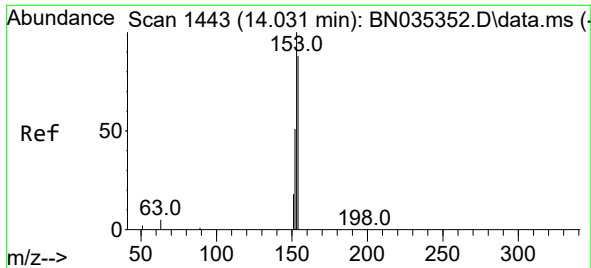
Tgt Ion:172 Resp: 5735
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.4
170 24.8 19.8 29.8



#16
Acenaphthylene
Concen: 0.373 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:152 Resp: 6058
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.0 10.4 15.6

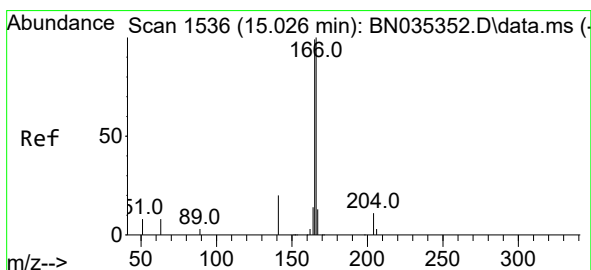
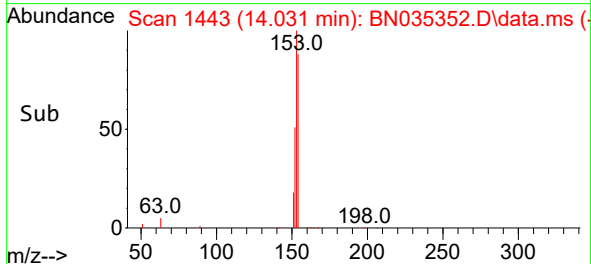
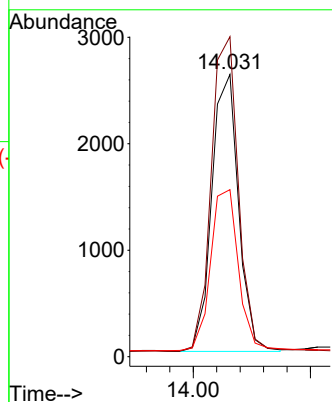
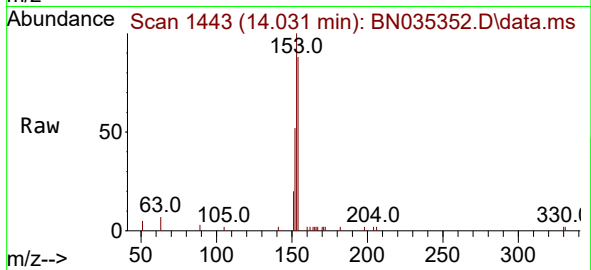




#17
Acenaphthene
Concen: 0.388 ng
RT: 14.031 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

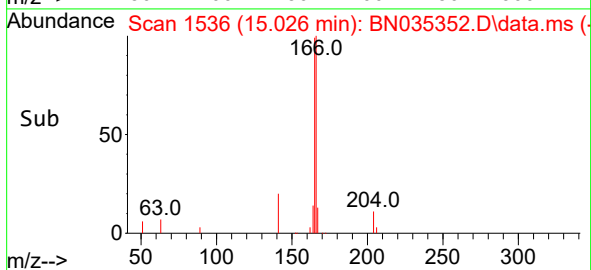
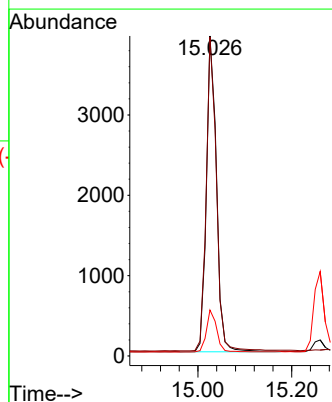
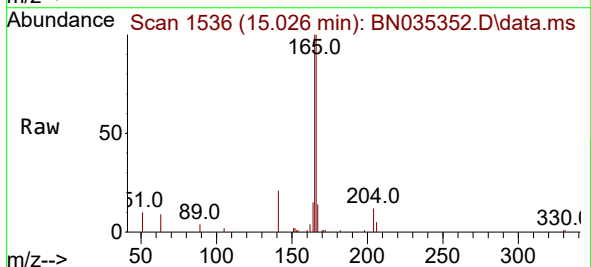
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

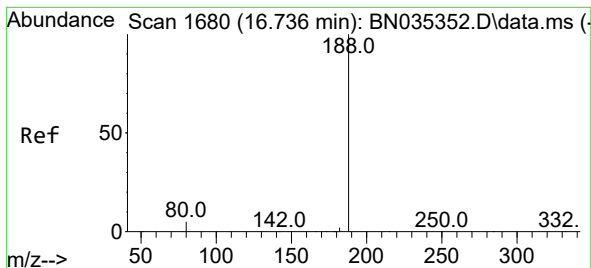
Tgt Ion:154 Resp: 4125
Ion Ratio Lower Upper
154 100
153 115.8 92.6 139.0
152 61.3 49.0 73.6



#18
Fluorene
Concen: 0.375 ng
RT: 15.026 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:166 Resp: 5863
Ion Ratio Lower Upper
166 100
165 99.6 79.7 119.5
167 13.5 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.736 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

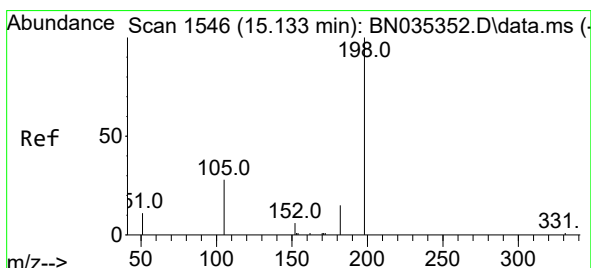
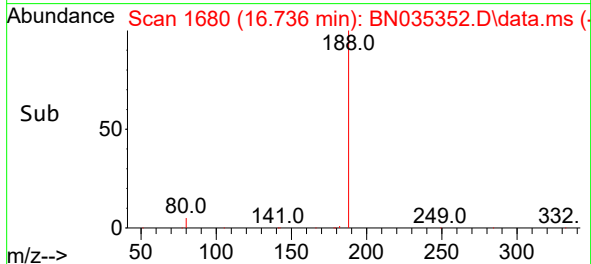
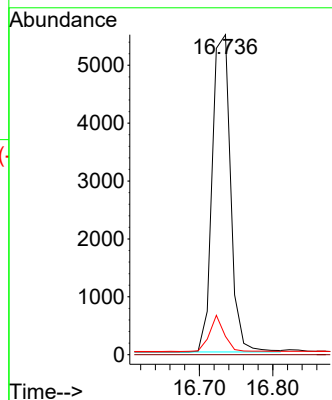
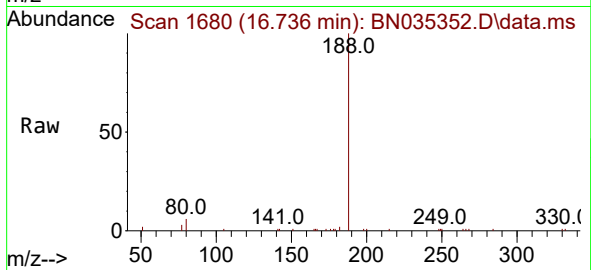
Tgt Ion:188 Resp: 9490

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 5.7 4.6 6.8



#20

4,6-Dinitro-2-methylphenol

Concen: 0.171 ng

RT: 15.133 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

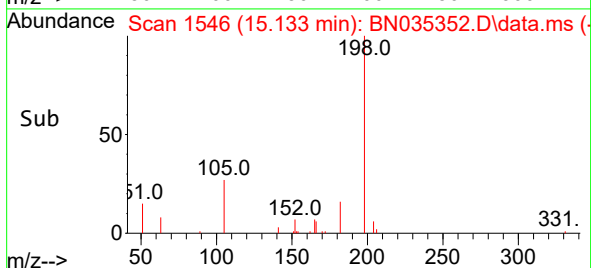
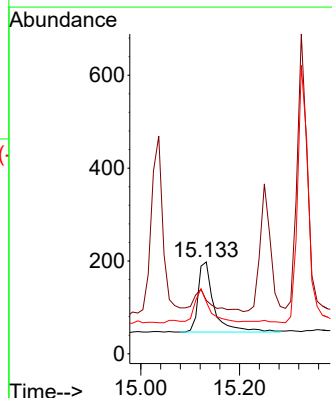
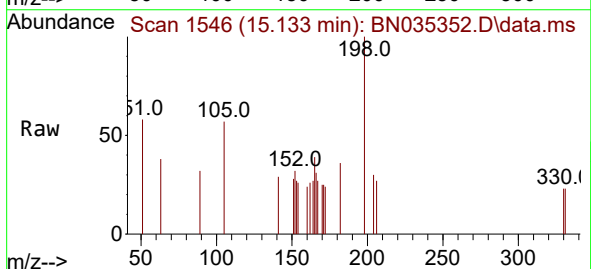
Tgt Ion:198 Resp: 337

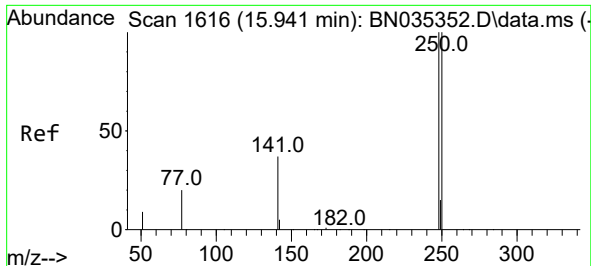
Ion Ratio Lower Upper

198 100

51 58.1 46.5 69.7

105 56.6 45.3 67.9

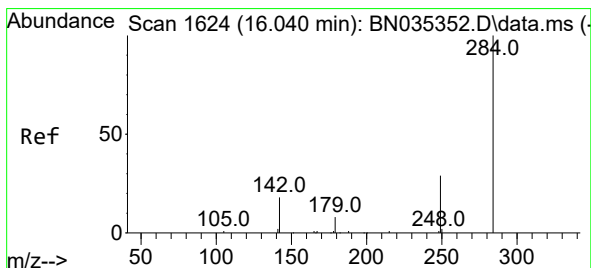
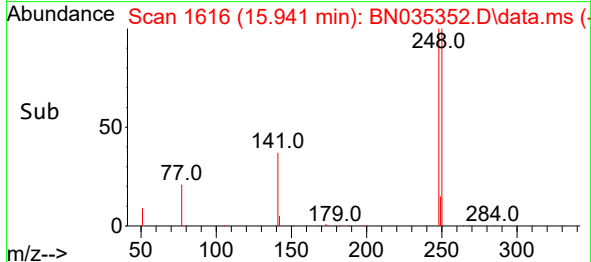
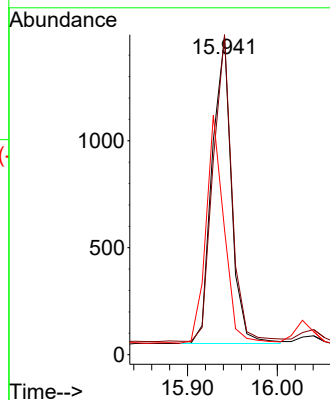
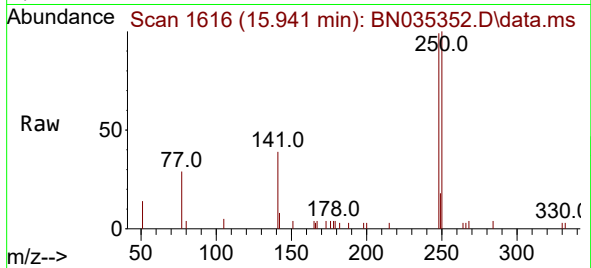




#21
4-Bromophenyl-phenylether
Concen: 0.355 ng
RT: 15.941 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

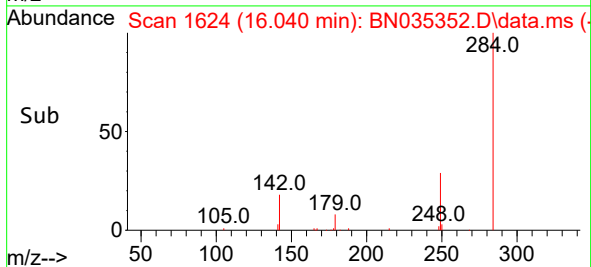
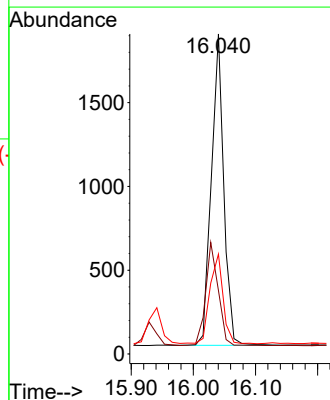
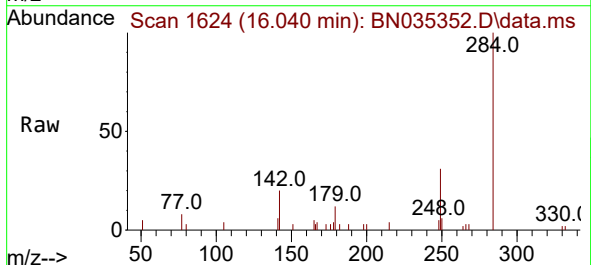
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

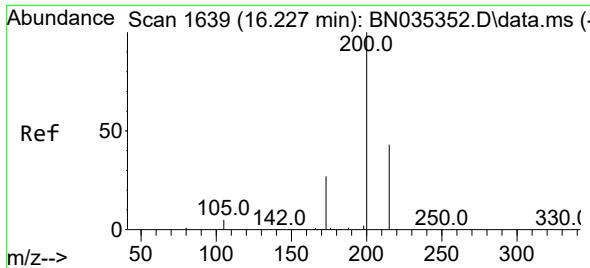
Tgt Ion:248 Resp: 2146
Ion Ratio Lower Upper
248 100
250 100.7 80.6 120.8
141 39.4 31.5 47.3



#22
Hexachlorobenzene
Concen: 0.413 ng
RT: 16.040 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:284 Resp: 2590
Ion Ratio Lower Upper
284 100
142 33.4 26.7 40.1
249 30.7 24.6 36.8

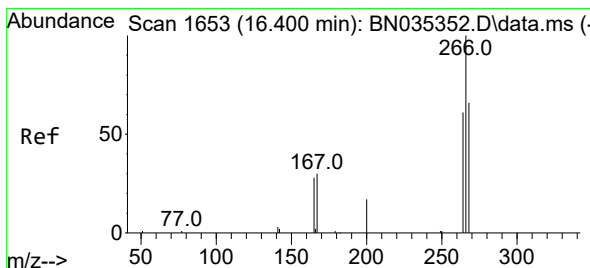
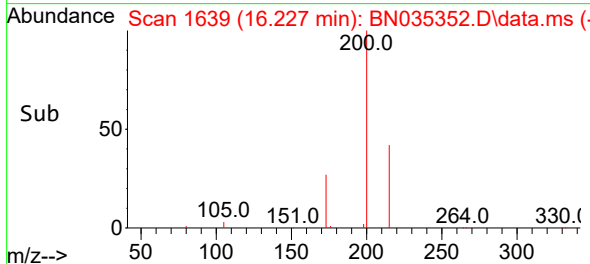
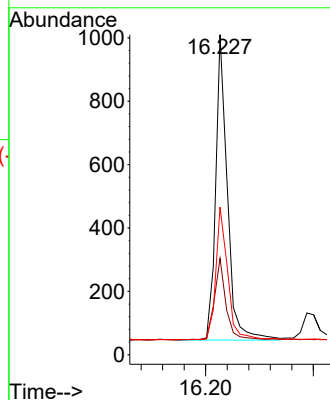
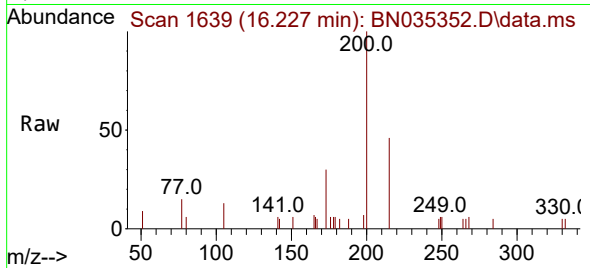




#23
 Atrazine
 Concen: 0.269 ng
 RT: 16.227 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: BN035352.D
 Acq: 27 Nov 2024 16:46

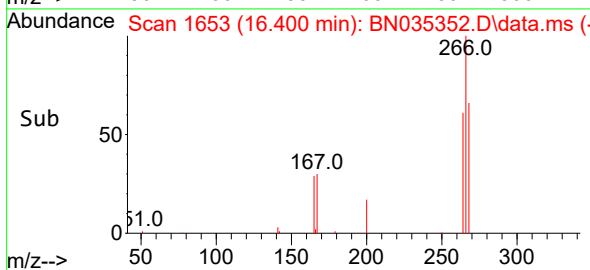
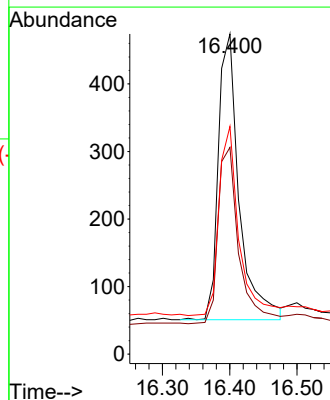
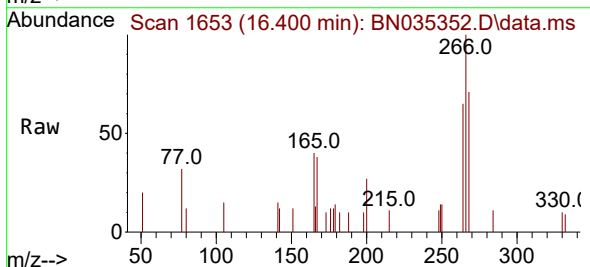
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.4

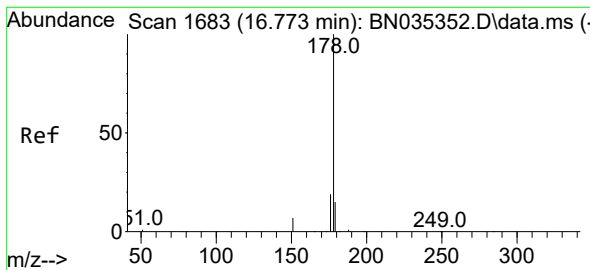
Tgt Ion:200 Resp: 1461
 Ion Ratio Lower Upper
 200 100
 173 30.1 24.1 36.1
 215 46.1 36.9 55.3



#24
 Pentachlorophenol
 Concen: 0.309 ng
 RT: 16.400 min Scan# 1653
 Delta R.T. 0.000 min
 Lab File: BN035352.D
 Acq: 27 Nov 2024 16:46

Tgt Ion:266 Resp: 906
 Ion Ratio Lower Upper
 266 100
 264 62.4 42.3 63.5
 268 63.8 43.3 64.9





#25

Phenanthrene

Concen: 0.405 ng

RT: 16.773 min Scan# 1683

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

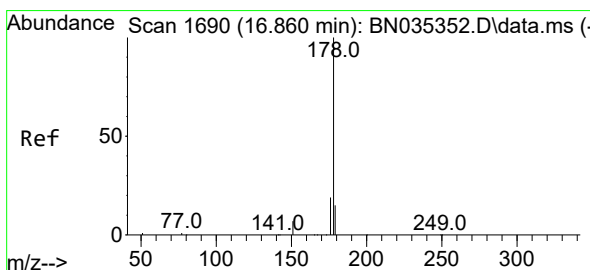
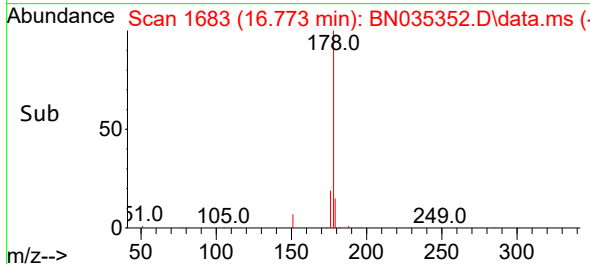
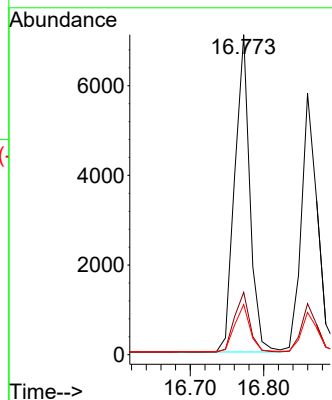
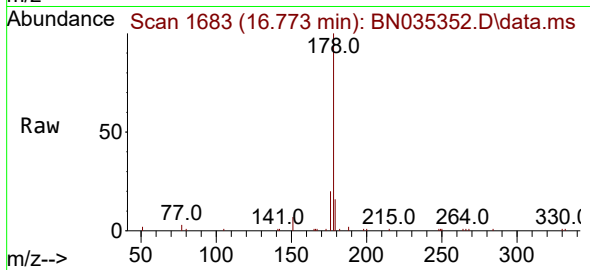
Tgt Ion:178 Resp: 10127

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.4 12.3 18.5



#26

Anthracene

Concen: 0.389 ng

RT: 16.860 min Scan# 1690

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

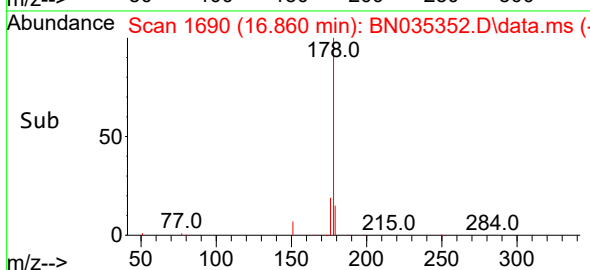
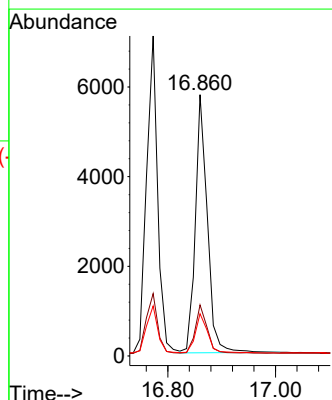
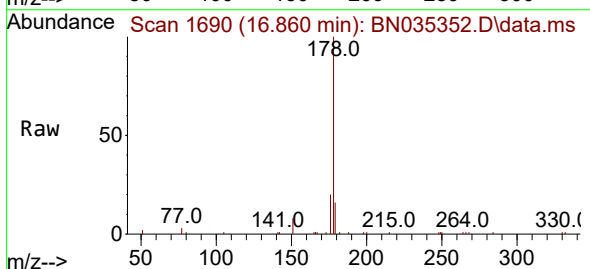
Tgt Ion:178 Resp: 8921

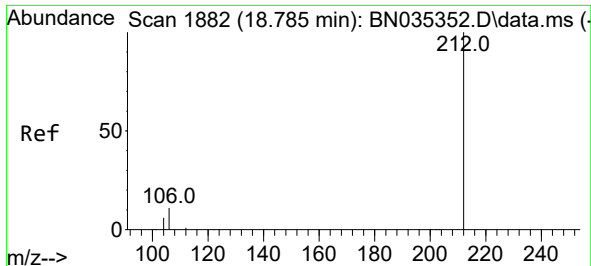
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.7 12.6 18.8

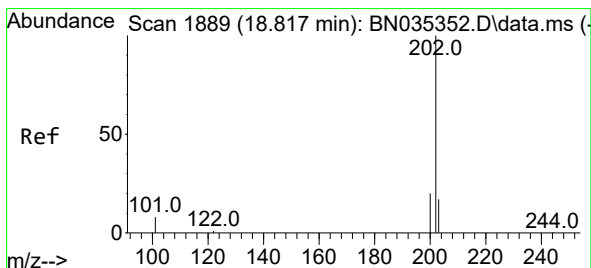
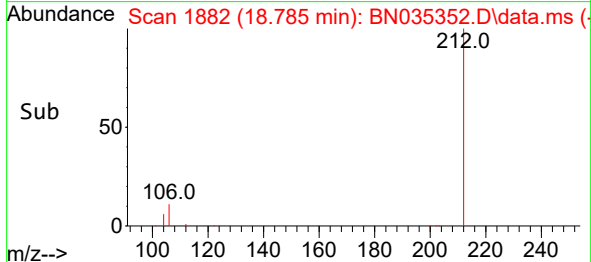
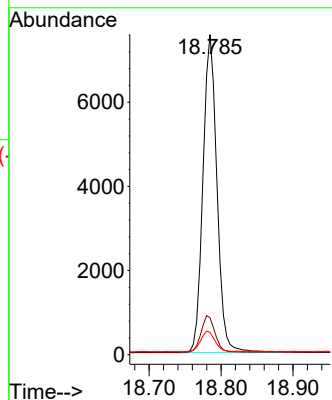
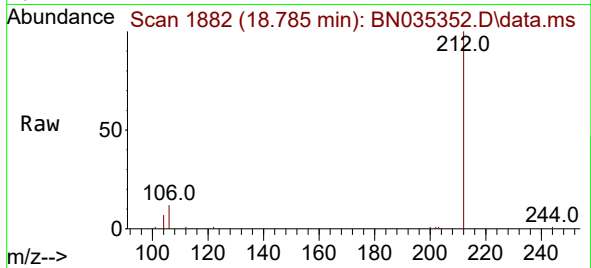




#27
Fluoranthene-d10
Concen: 0.352 ng
RT: 18.785 min Scan# 1882
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

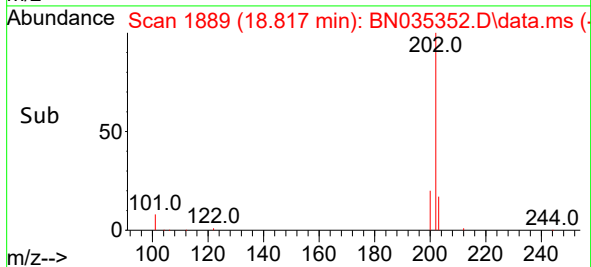
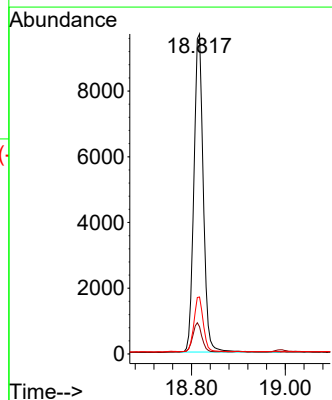
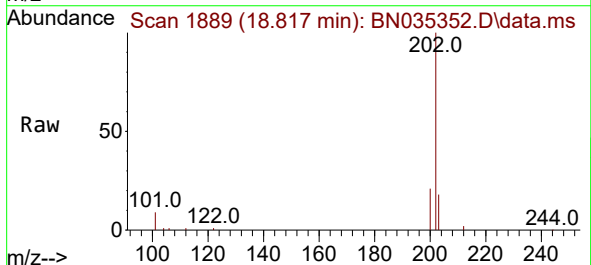
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

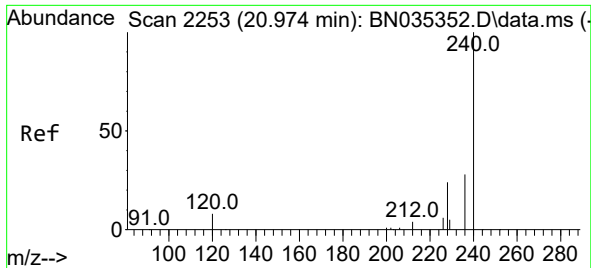
Tgt Ion:212 Resp: 10223
Ion Ratio Lower Upper
212 100
106 11.5 9.2 13.8
104 6.6 5.3 7.9



#28
Fluoranthene
Concen: 0.391 ng
RT: 18.817 min Scan# 1889
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:202 Resp: 13438
Ion Ratio Lower Upper
202 100
101 9.2 7.4 11.0
203 17.1 13.7 20.5

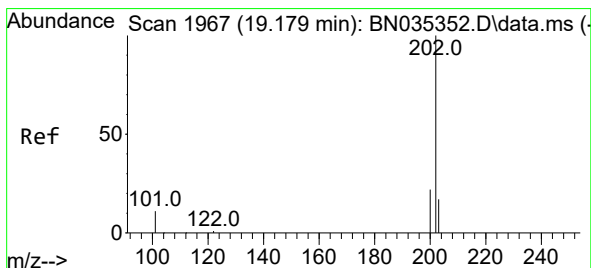
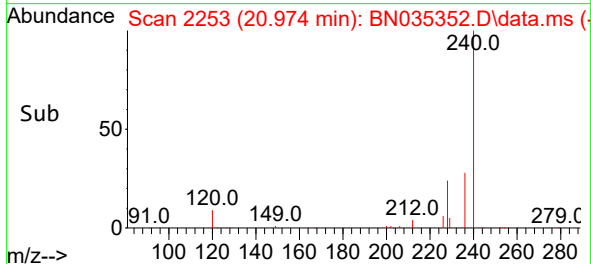
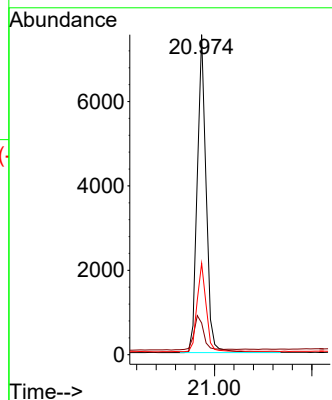
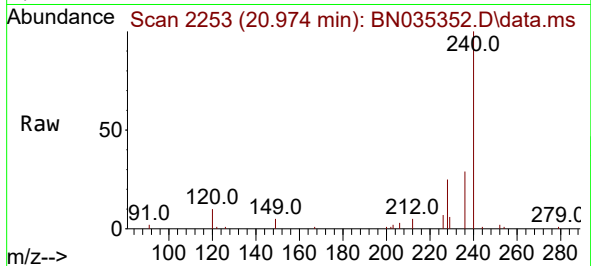




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

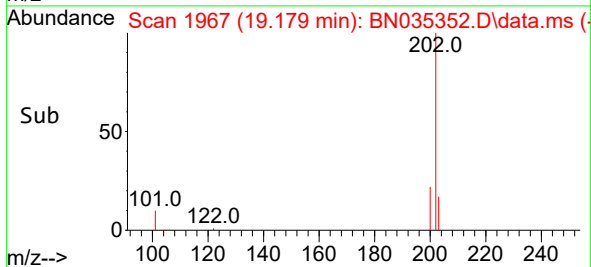
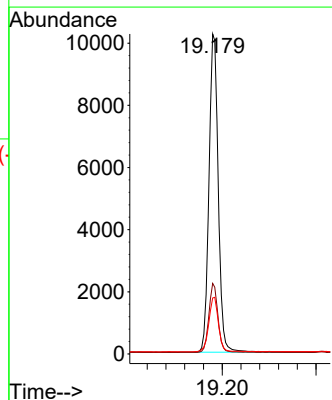
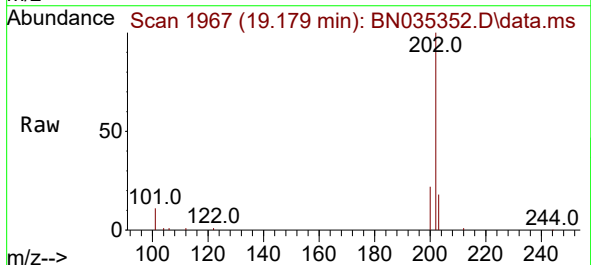
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

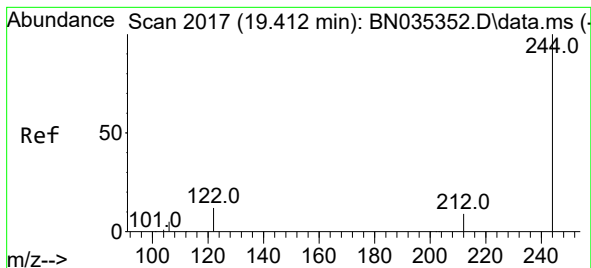
Tgt Ion:240 Resp: 9527
Ion Ratio Lower Upper
240 100
120 9.9 7.9 11.9
236 28.6 22.9 34.3



#30
Pyrene
Concen: 0.443 ng
RT: 19.179 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Tgt Ion:202 Resp: 14053
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.9 14.3 21.5





#31

Terphenyl-d14

Concen: 0.377 ng

RT: 19.412 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

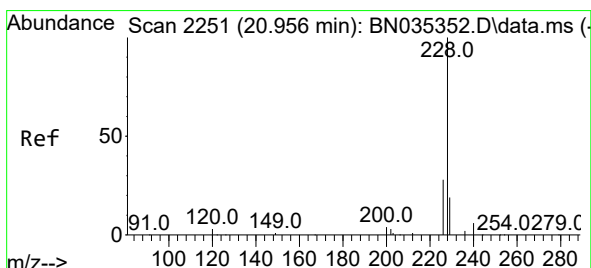
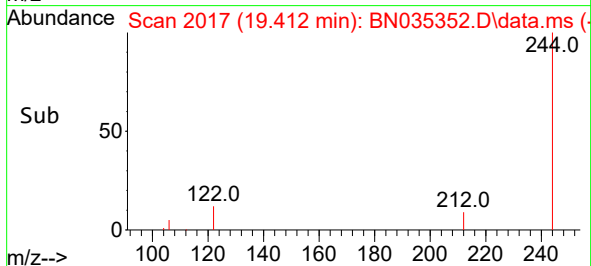
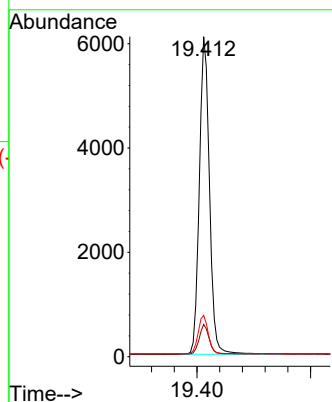
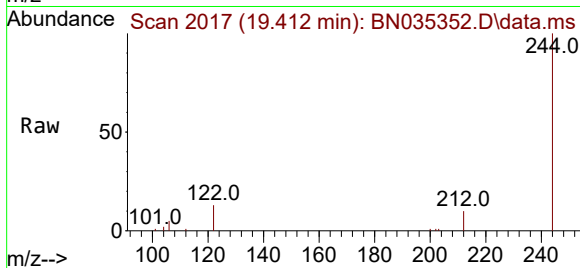
Tgt Ion:244 Resp: 7533

Ion Ratio Lower Upper

244 100

212 10.1 8.1 12.1

122 12.9 10.3 15.5



#32

Benzo(a)anthracene

Concen: 0.389 ng

RT: 20.956 min Scan# 2251

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

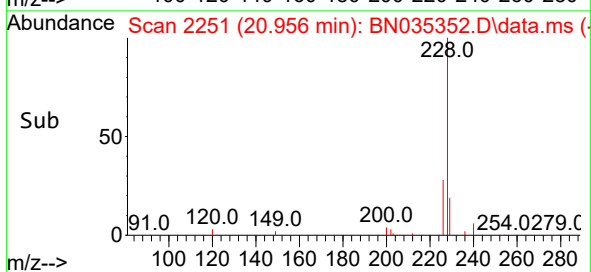
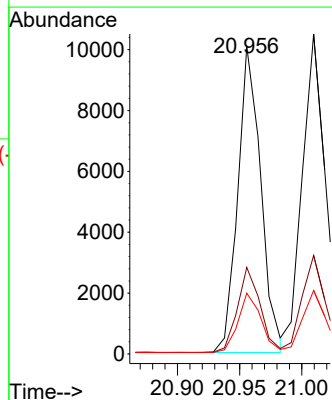
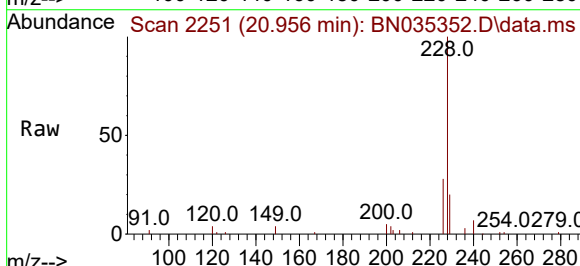
Tgt Ion:228 Resp: 12908

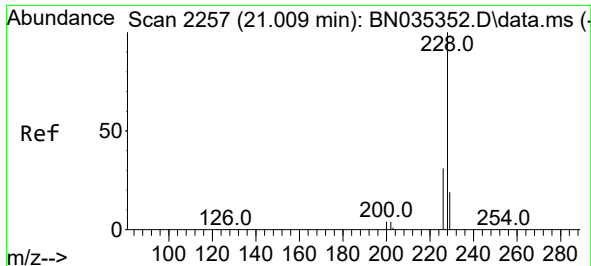
Ion Ratio Lower Upper

228 100

226 28.1 22.5 33.7

229 19.8 15.8 23.8





#33

Chrysene

Concen: 0.418 ng

RT: 21.009 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

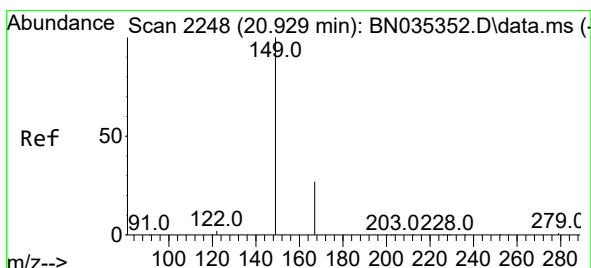
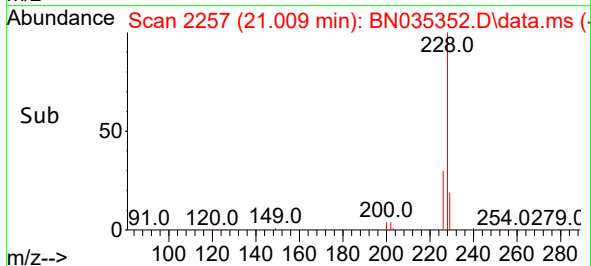
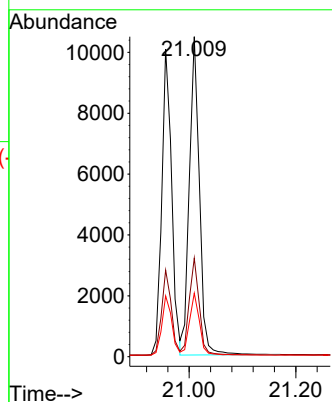
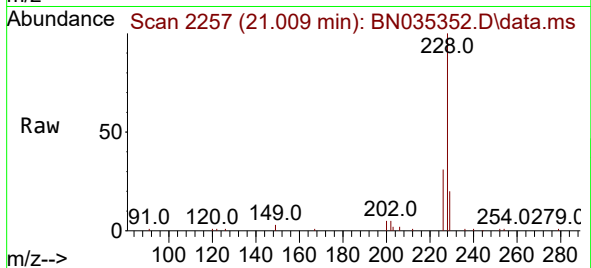
Tgt Ion:228 Resp: 13729

Ion Ratio Lower Upper

228 100

226 30.8 24.6 37.0

229 19.9 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.282 ng

RT: 20.929 min Scan# 2248

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

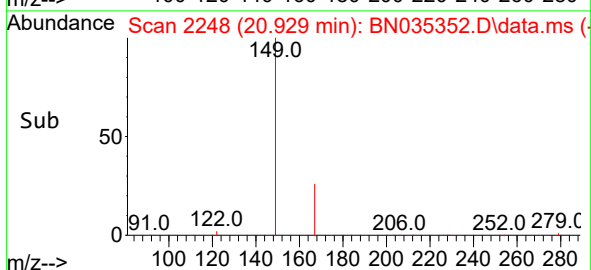
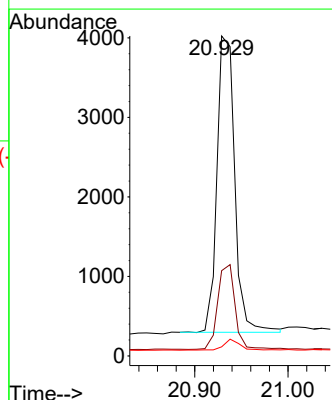
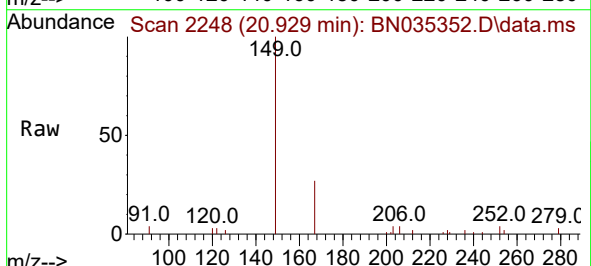
Tgt Ion:149 Resp: 4912

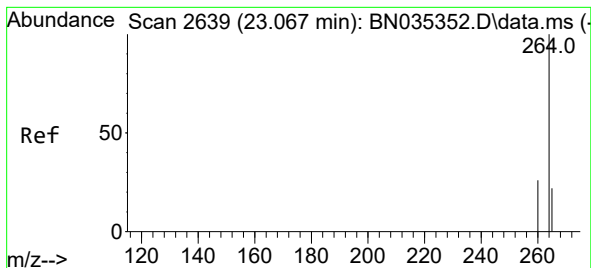
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.4

279 3.4 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.067 min Scan# 2639

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

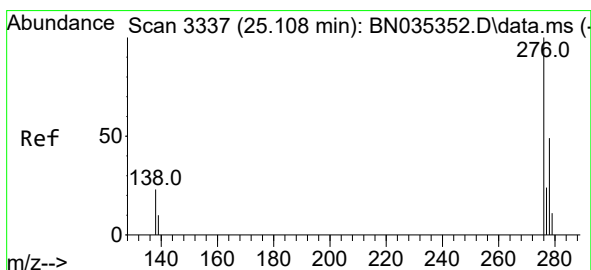
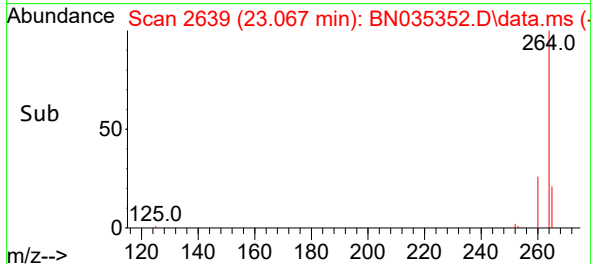
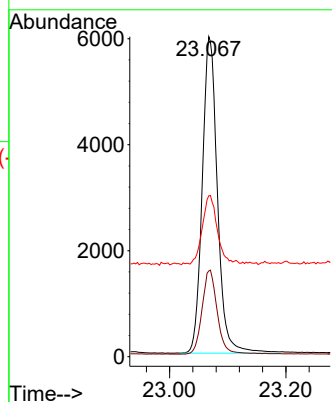
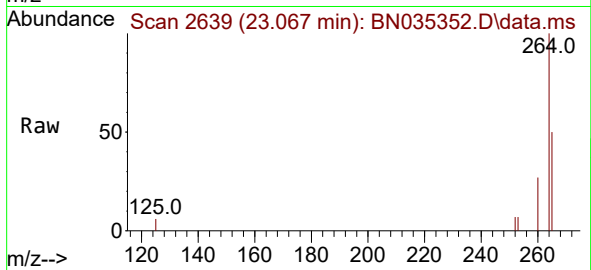
Tgt Ion:264 Resp: 10842

Ion Ratio Lower Upper

264 100

260 26.8 21.4 32.2

265 50.3 40.2 60.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.384 ng

RT: 25.108 min Scan# 3337

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

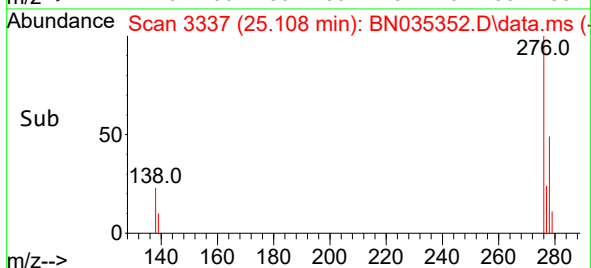
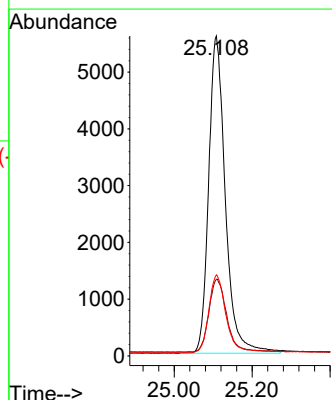
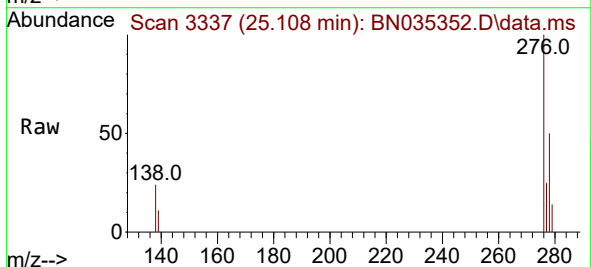
Tgt Ion:276 Resp: 16615

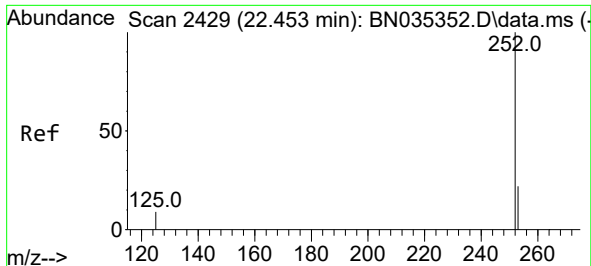
Ion Ratio Lower Upper

276 100

138 24.2 19.4 29.0

277 24.7 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.390 ng

RT: 22.453 min Scan# 2429

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

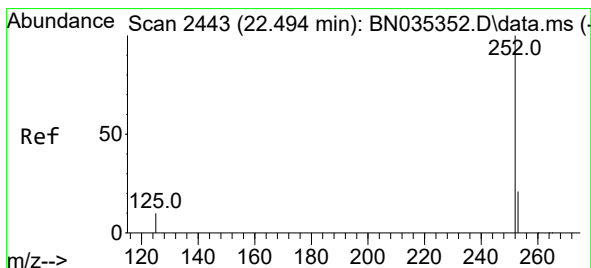
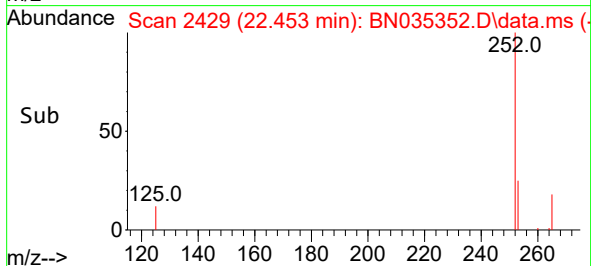
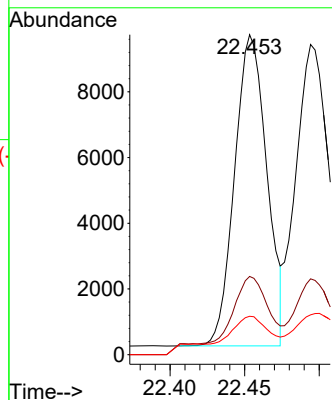
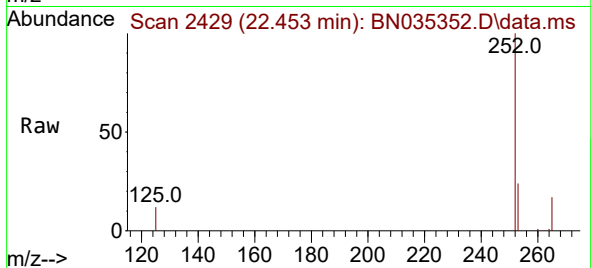
Tgt Ion:252 Resp: 14235

Ion Ratio Lower Upper

252 100

253 24.5 19.6 29.4

125 12.0 9.6 14.4



#38

Benzo(k)fluoranthene

Concen: 0.416 ng

RT: 22.494 min Scan# 2443

Delta R.T. 0.000 min

Lab File: BN035352.D

Acq: 27 Nov 2024 16:46

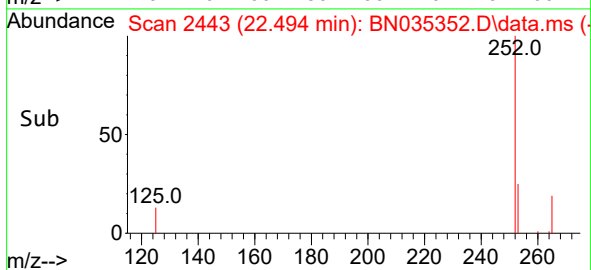
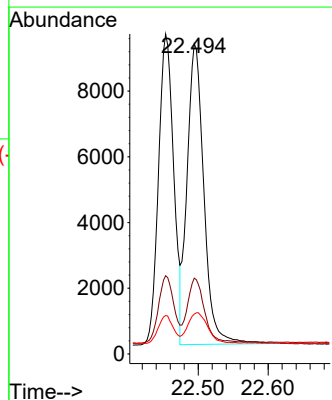
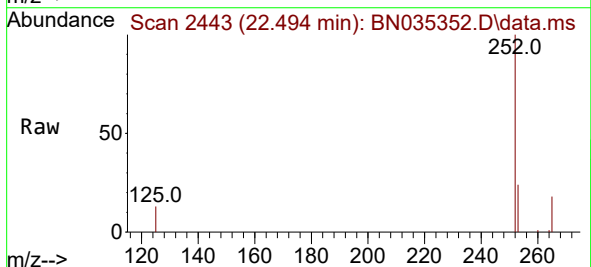
Tgt Ion:252 Resp: 15199

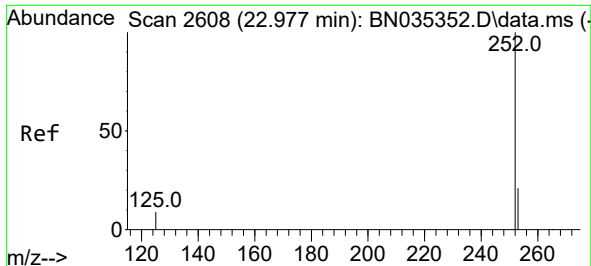
Ion Ratio Lower Upper

252 100

253 24.4 19.5 29.3

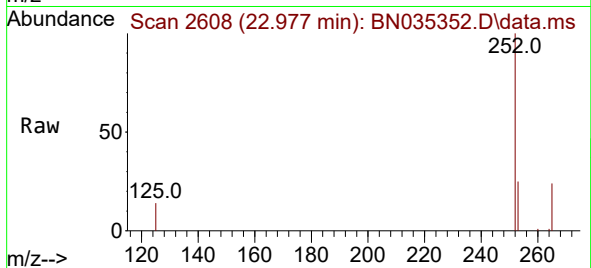
125 12.8 10.2 15.4



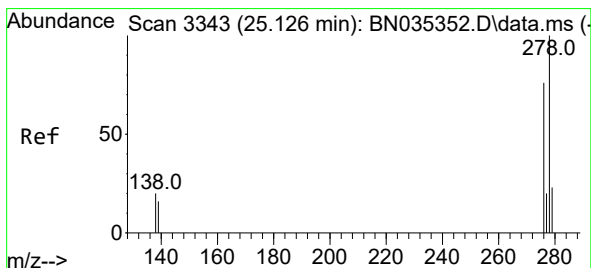
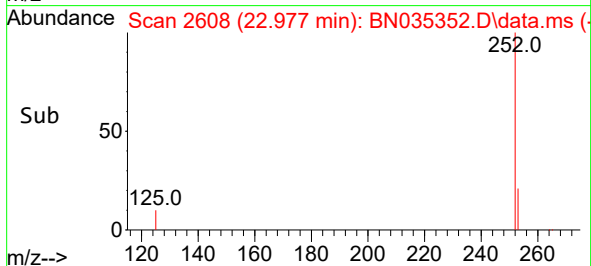
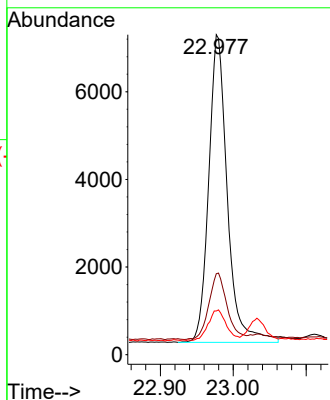


#39
Benzo(a)pyrene
Concen: 0.387 ng
RT: 22.977 min Scan# 2608
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

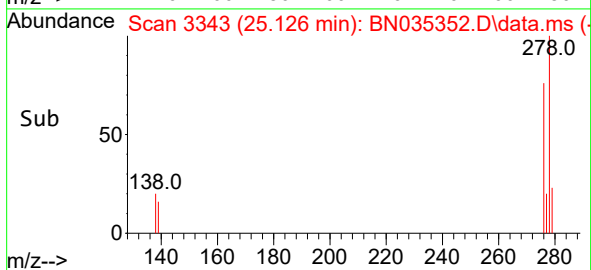
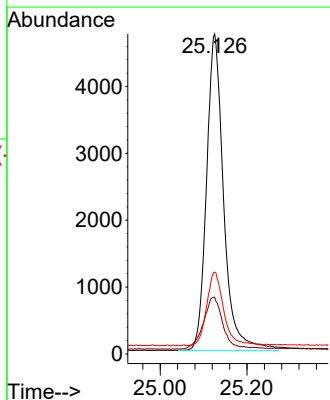
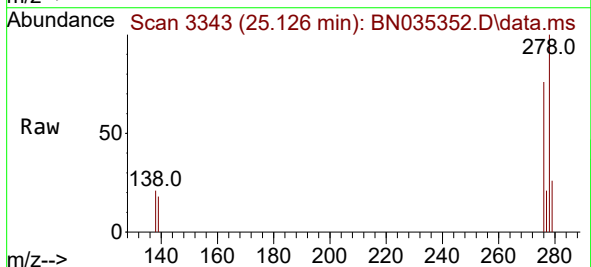


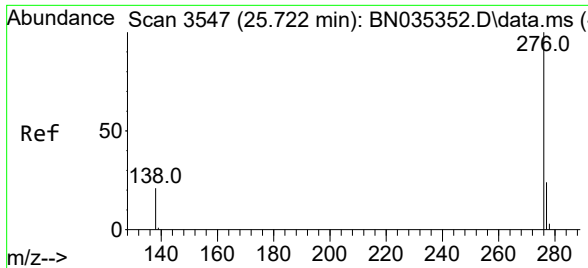
Tgt Ion:252 Resp: 12425
Ion Ratio Lower Upper
252 100
253 25.3 20.2 30.4
125 13.6 10.9 16.3



#40
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 25.126 min Scan# 3343
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

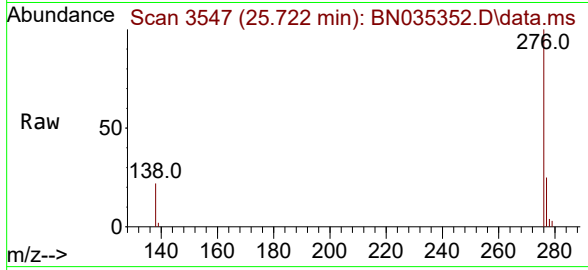
Tgt Ion:278 Resp: 12948
Ion Ratio Lower Upper
278 100
139 17.8 14.2 21.4
279 25.6 20.5 30.7



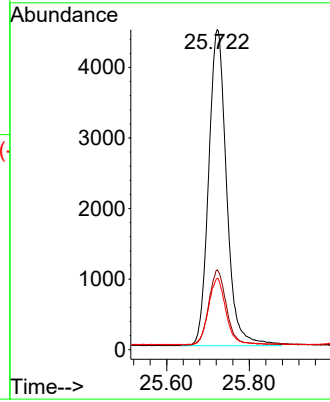
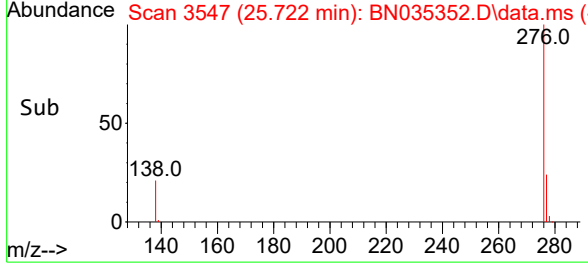


#41
Benzo(g,h,i)perylene
Concen: 0.371 ng
RT: 25.722 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN035352.D
Acq: 27 Nov 2024 16:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4



Tgt Ion:	276	Resp:	13529
Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.9	29.9
138	22.3	17.8	26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035357.D
 Acq On : 27 Nov 2024 20:21
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112724

Quant Time: Nov 27 23:06:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

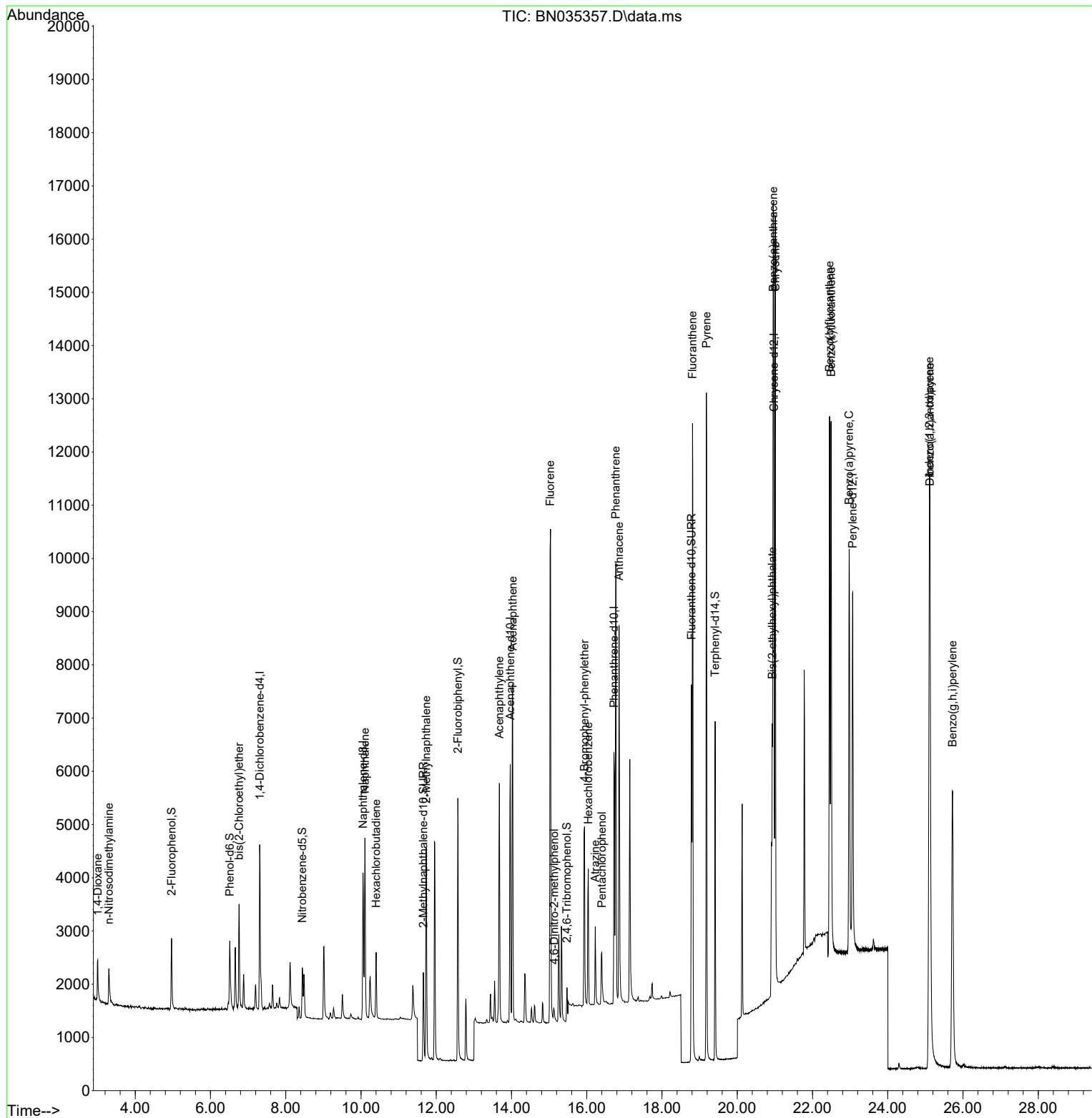
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	1540	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	3904	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	2879	0.400	ng	0.00
19) Phenanthrene-d10	16.723	188	7350	0.400	ng	#-0.01
29) Chrysene-d12	20.974	240	7576	0.400	ng	0.00
35) Perylene-d12	23.067	264	8338	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1280	0.332	ng	0.00
5) Phenol-d6	6.513	99	1437	0.310	ng	0.00
8) Nitrobenzene-d5	8.440	82	1017	0.427	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	2565	0.420	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	617	0.302	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	4647	0.427	ng	0.00
27) Fluoranthene-d10	18.785	212	8415	0.404	ng	0.00
31) Terphenyl-d14	19.412	244	6272	0.420	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.003	88	684	0.465	ng	99
3) n-Nitrosodimethylamine	3.299	42	495	0.404	ng	# 88
6) bis(2-Chloroethyl)ether	6.759	93	1676	0.430	ng	99
9) Naphthalene	10.105	128	4364	0.424	ng	99
10) Hexachlorobutadiene	10.404	225	1005	0.423	ng	# 100
12) 2-Methylnaphthalene	11.732	142	3157	0.428	ng	98
16) Acenaphthylene	13.679	152	5261	0.435	ng	100
17) Acenaphthene	14.031	154	3421	0.426	ng	99
18) Fluorene	15.026	166	4825	0.420	ng	99
20) 4,6-Dinitro-2-methylph...	15.132	198	263	0.364	ng	# 86
21) 4-Bromophenyl-phenylether	15.941	248	1742	0.405	ng	99
22) Hexachlorobenzene	16.040	284	2151	0.426	ng	99
23) Atrazine	16.227	200	1227	0.401	ng	99
24) Pentachlorophenol	16.400	266	662	0.301	ng	# 83
25) Phenanthrene	16.773	178	8509	0.421	ng	100
26) Anthracene	16.860	178	7849	0.430	ng	100
28) Fluoranthene	18.812	202	10941	0.402	ng	100
30) Pyrene	19.179	202	11476	0.410	ng	100
32) Benzo(a)anthracene	20.956	228	10934	0.413	ng	100
33) Chrysene	21.009	228	11926	0.436	ng	99
34) Bis(2-ethylhexyl)phtha...	20.929	149	4016	0.384	ng	100
36) Indeno(1,2,3-cd)pyrene	25.105	276	14433	0.443	ng	99
37) Benzo(b)fluoranthene	22.453	252	12988	0.426	ng	99
38) Benzo(k)fluoranthene	22.494	252	12669	0.422	ng	99
39) Benzo(a)pyrene	22.974	252	11094	0.442	ng	99
40) Dibenzo(a,h)anthracene	25.123	278	11141	0.433	ng	100
41) Benzo(g,h,i)perylene	25.722	276	10870	0.404	ng	99

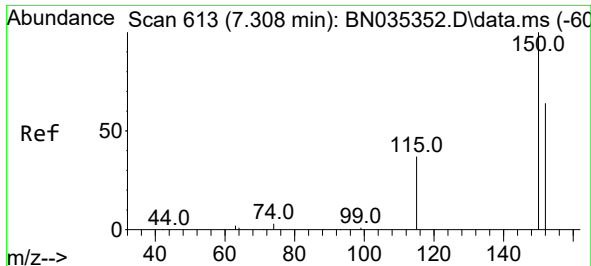
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035357.D
Acq On : 27 Nov 2024 20:21
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

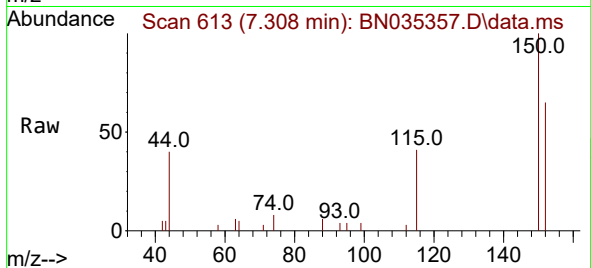
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration



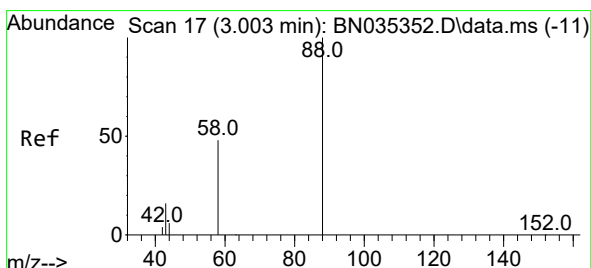
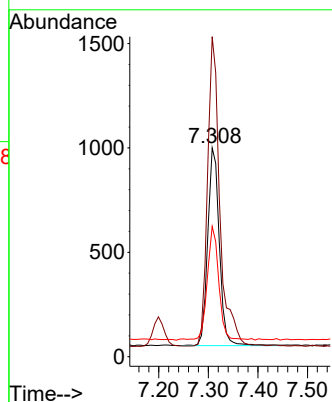
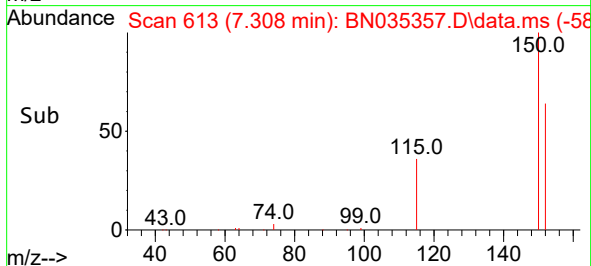


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.308 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN035357.D
 Acq: 27 Nov 2024 20:21

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112724

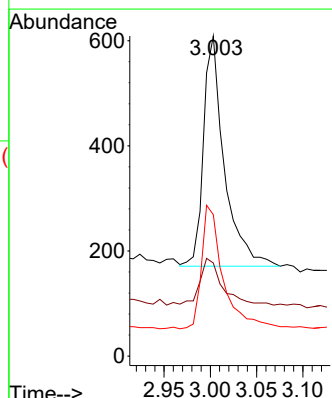
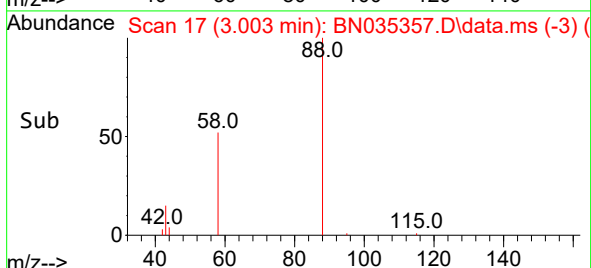
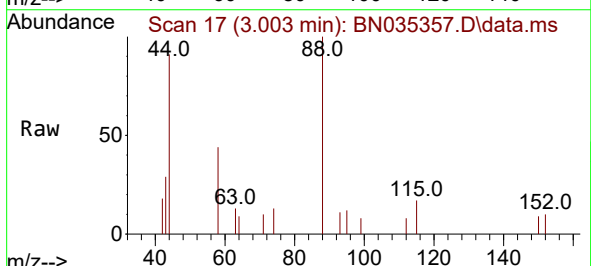


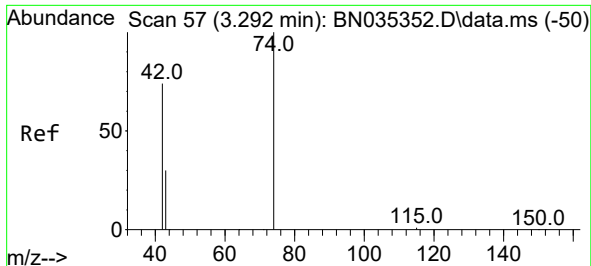
Tgt Ion:152 Resp: 1540
 Ion Ratio Lower Upper
 152 100
 150 153.3 124.0 186.0
 115 62.4 49.6 74.4



#2
 1,4-Dioxane
 Concen: 0.465 ng
 RT: 3.003 min Scan# 17
 Delta R.T. -0.000 min
 Lab File: BN035357.D
 Acq: 27 Nov 2024 20:21

Tgt Ion: 88 Resp: 684
 Ion Ratio Lower Upper
 88 100
 43 21.8 17.2 25.8
 58 56.0 44.5 66.7

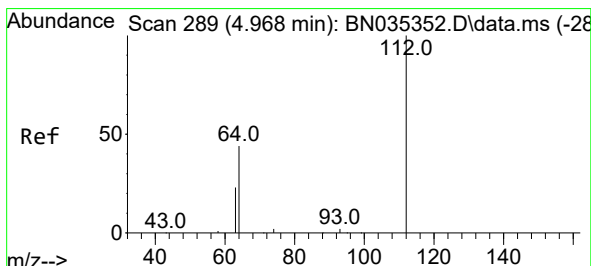
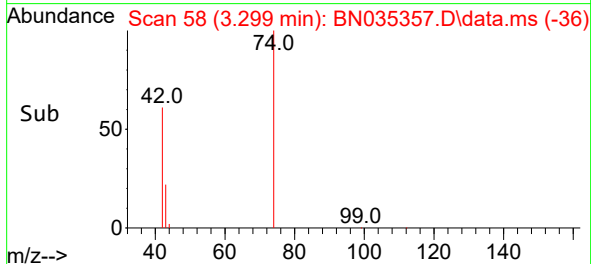
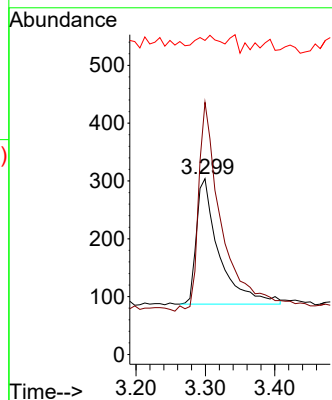
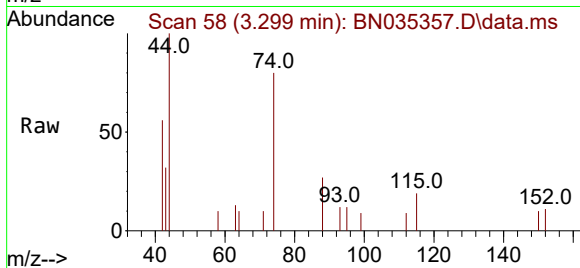




#3
n-Nitrosodimethylamine
Concen: 0.404 ng
RT: 3.299 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

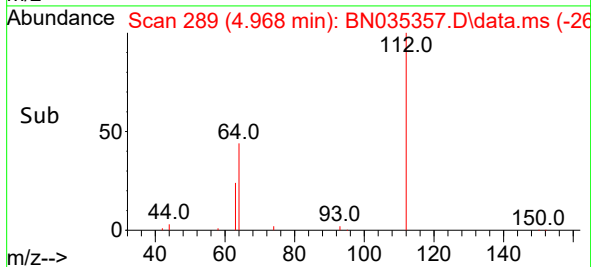
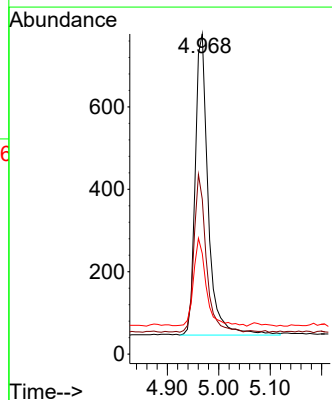
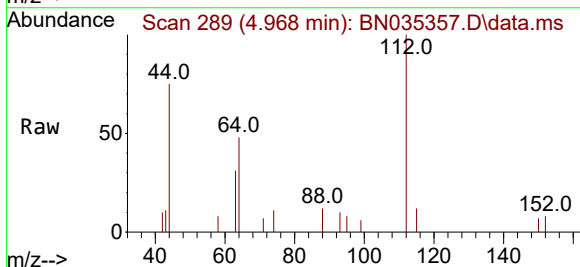
Instrument :
BNA_N
ClientSampleId :
ICVBN112724

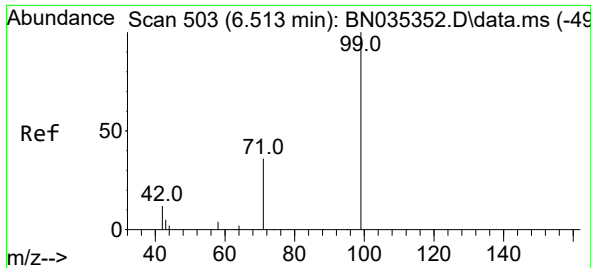
Tgt Ion: 42 Resp: 495
Ion Ratio Lower Upper
42 100
74 172.1 124.9 187.3
44 6.3 2.2 3.4#



#4
2-Fluorophenol
Concen: 0.332 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion: 112 Resp: 1280
Ion Ratio Lower Upper
112 100
64 49.0 39.8 59.8
63 28.4 21.0 31.6

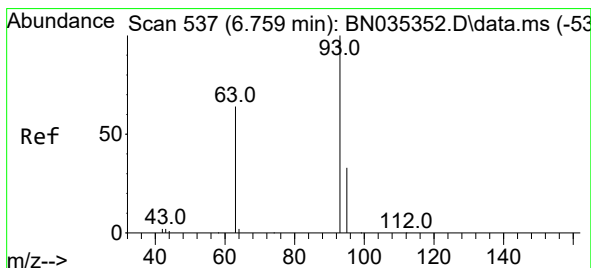
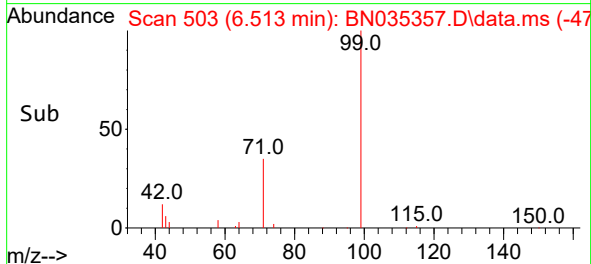
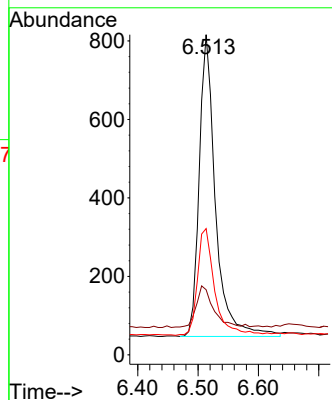
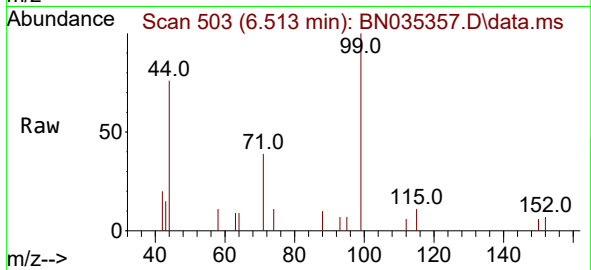




#5
Phenol-d6
Concen: 0.310 ng
RT: 6.513 min Scan# 503
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

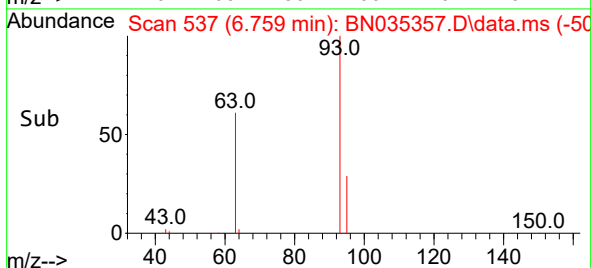
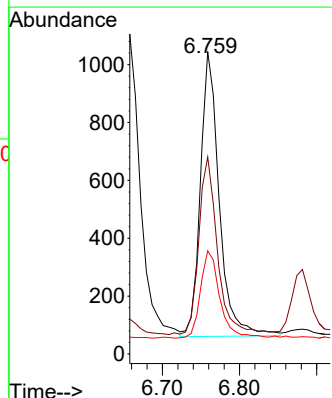
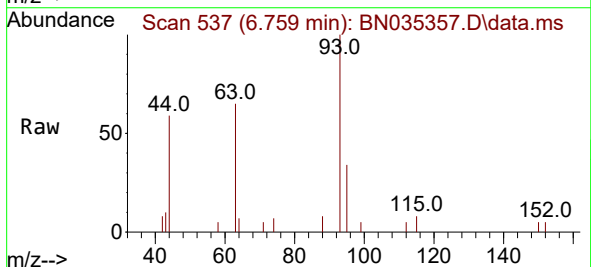
Instrument :
BNA_N
ClientSampleId :
ICVBN112724

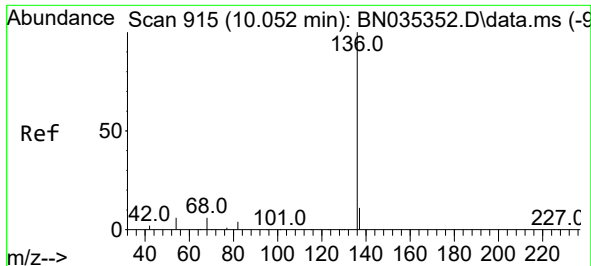
Tgt Ion:	99	Resp:	1437
Ion	Ratio	Lower	Upper
99	100		
42	13.9	11.4	17.2
71	37.2	29.3	43.9



#6
bis(2-Chloroethyl)ether
Concen: 0.430 ng
RT: 6.759 min Scan# 537
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:	93	Resp:	1676
Ion	Ratio	Lower	Upper
93	100		
63	62.1	50.4	75.6
95	31.4	25.7	38.5

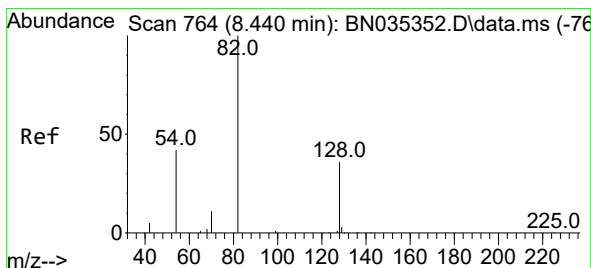
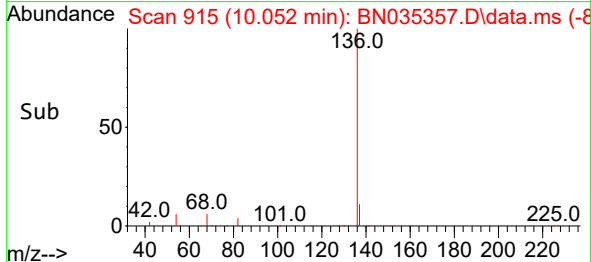
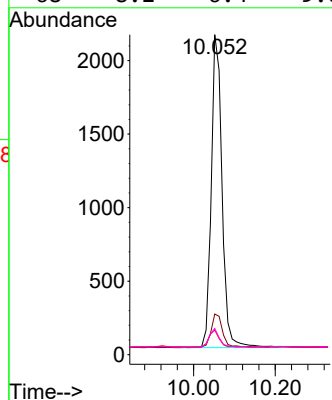
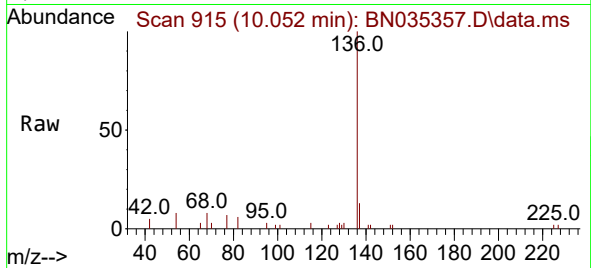




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

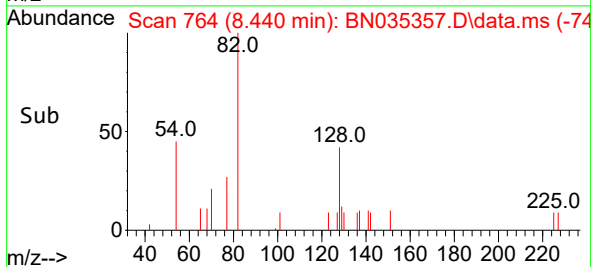
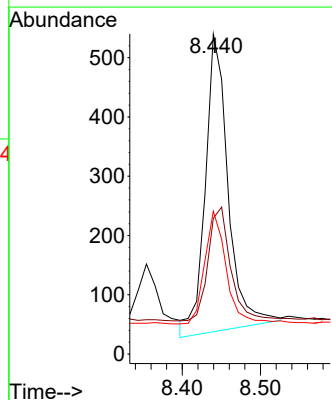
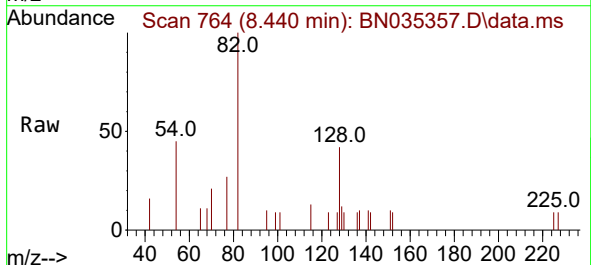
Instrument :
BNA_N
ClientSampleId :
ICVBN112724

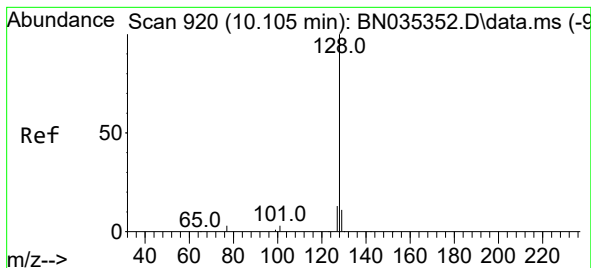
Tgt Ion:	136	Resp:	3904
Ion	Ratio	Lower	Upper
136	100		
137	12.7	10.2	15.2
54	7.7	6.1	9.1
68	8.2	6.4	9.6



#8
Nitrobenzene-d5
Concen: 0.427 ng
RT: 8.440 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:	82	Resp:	1017
Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.4	50.0
54	44.6	36.7	55.1





#9

Naphthalene

Concen: 0.424 ng

RT: 10.105 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN035357.D

Acq: 27 Nov 2024 20:21

Instrument :

BNA_N

ClientSampleId :

ICVBN112724

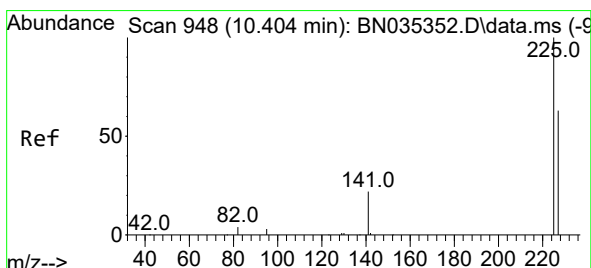
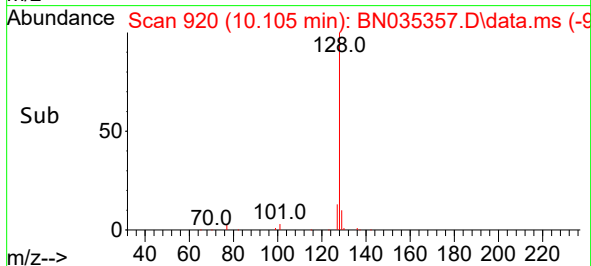
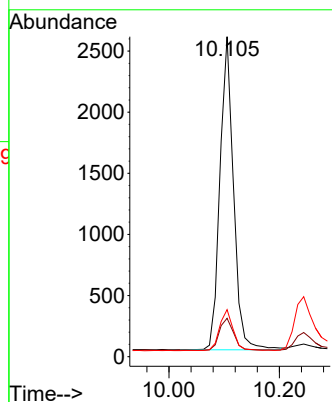
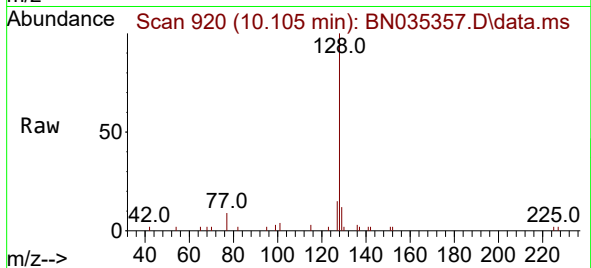
Tgt Ion:128 Resp: 4364

Ion Ratio Lower Upper

128 100

129 12.0 9.8 14.6

127 14.7 11.4 17.2



#10

Hexachlorobutadiene

Concen: 0.423 ng

RT: 10.404 min Scan# 948

Delta R.T. -0.000 min

Lab File: BN035357.D

Acq: 27 Nov 2024 20:21

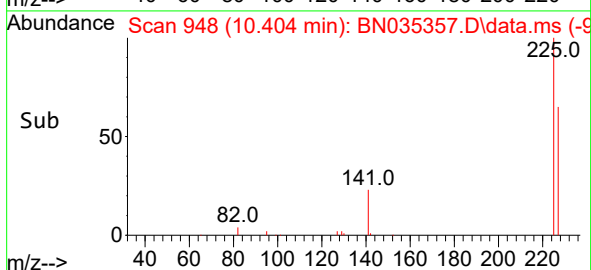
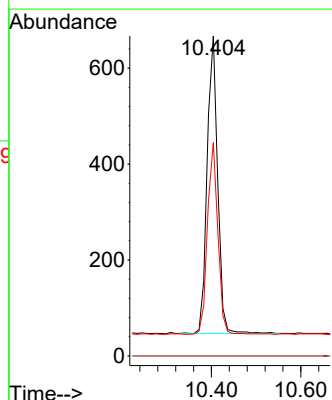
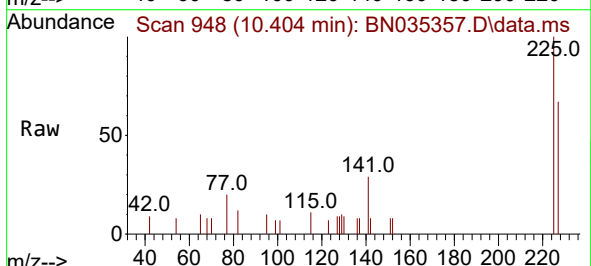
Tgt Ion:225 Resp: 1005

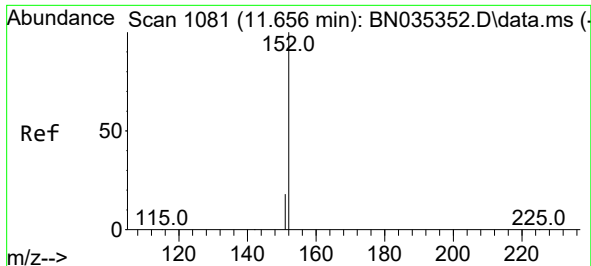
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 64.3 51.3 76.9

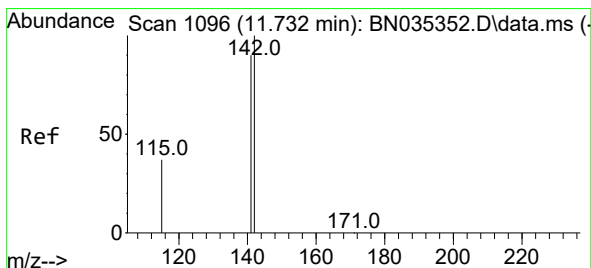
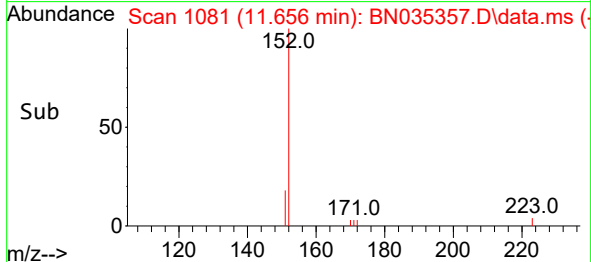
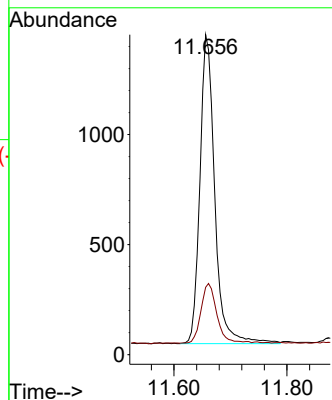
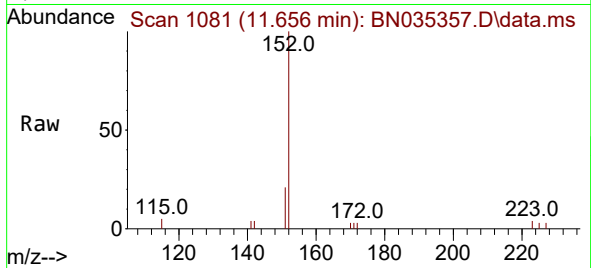




#11
2-Methylnaphthalene-d10
Concen: 0.420 ng
RT: 11.656 min Scan# 1081
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

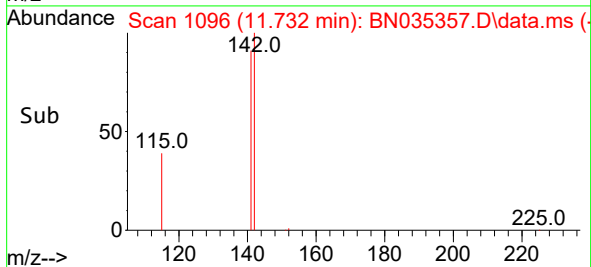
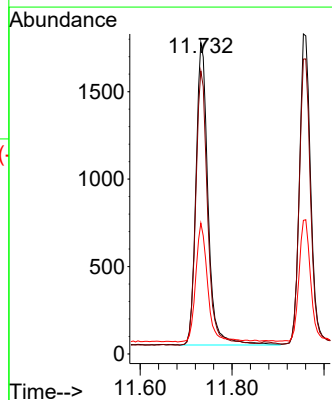
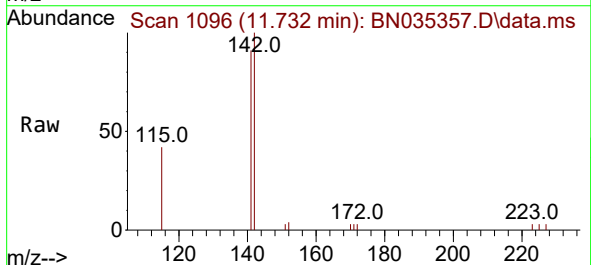
Instrument :
BNA_N
ClientSampleId :
ICVBN112724

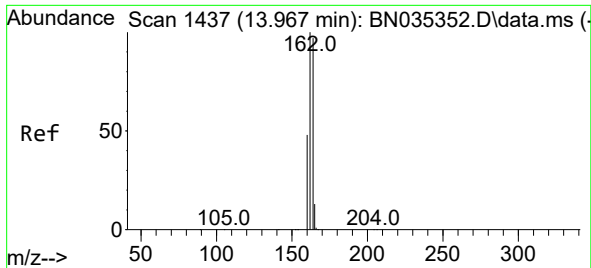
Tgt Ion:152 Resp: 2565
Ion Ratio Lower Upper
152 100
151 20.5 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.428 ng
RT: 11.732 min Scan# 1096
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:142 Resp: 3157
Ion Ratio Lower Upper
142 100
141 90.9 72.2 108.4
115 42.0 31.4 47.0

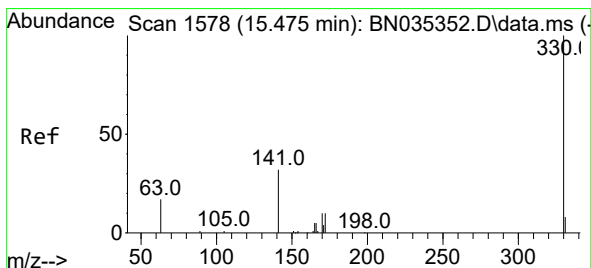
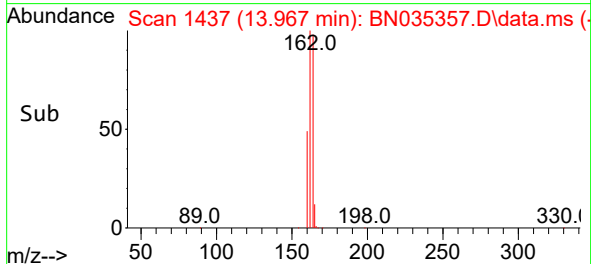
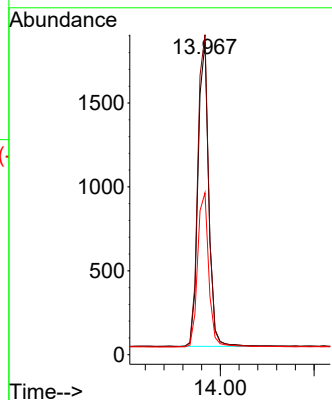
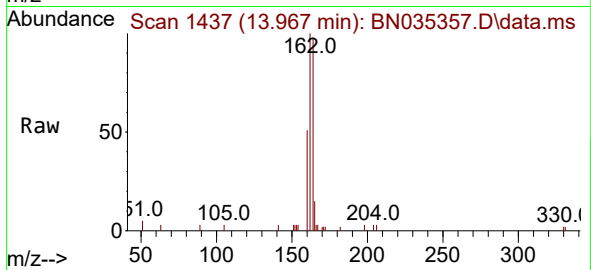




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

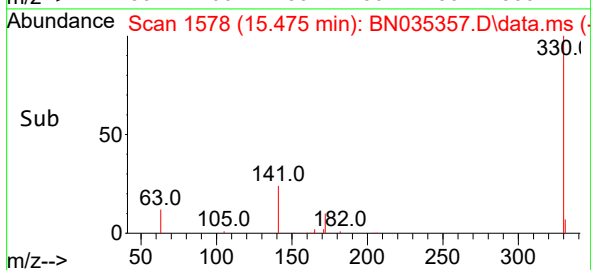
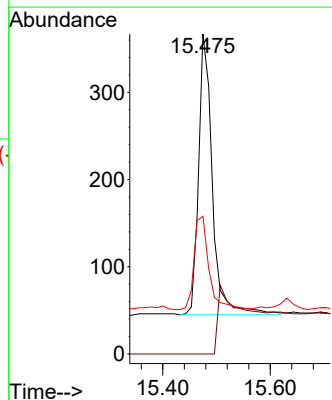
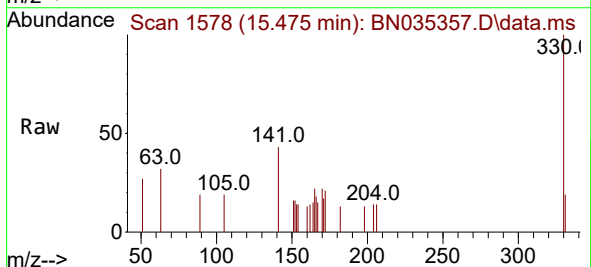
Instrument :
BNA_N
ClientSampleId :
ICVBN112724

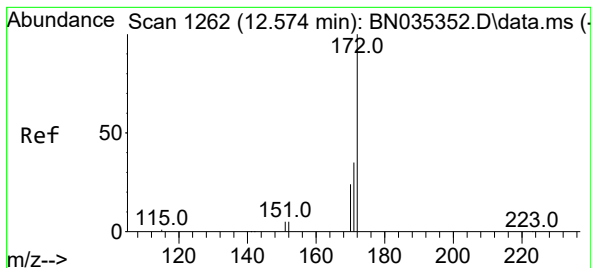
Tgt Ion:164 Resp: 2879
Ion Ratio Lower Upper
164 100
162 102.3 82.2 123.2
160 51.8 40.1 60.1



#14
2,4,6-Tribromophenol
Concen: 0.302 ng
RT: 15.475 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:330 Resp: 617
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.7 26.6 40.0

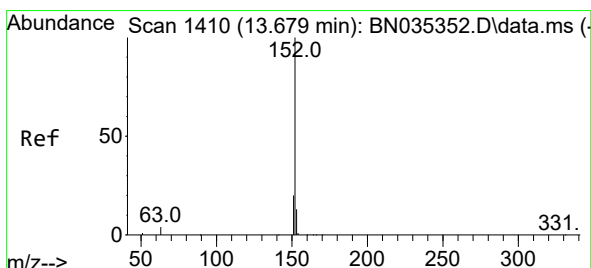
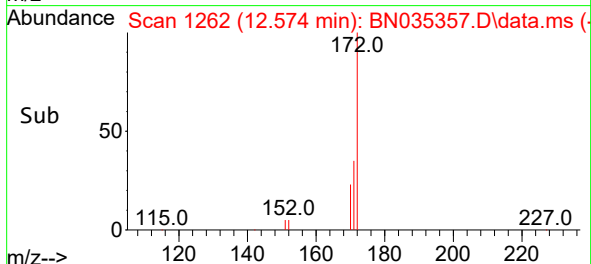
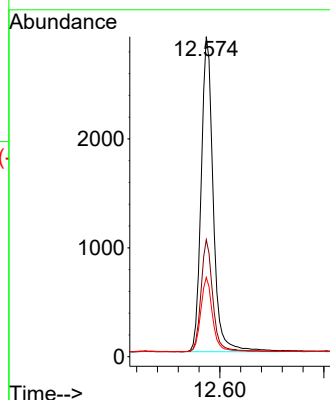
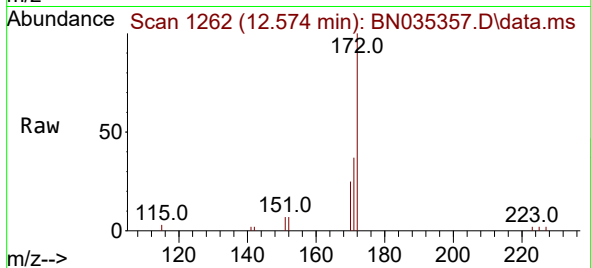




#15
2-Fluorobiphenyl
Concen: 0.427 ng
RT: 12.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

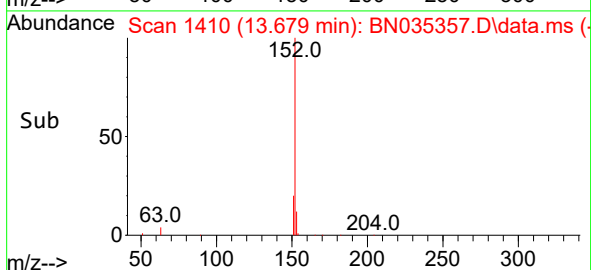
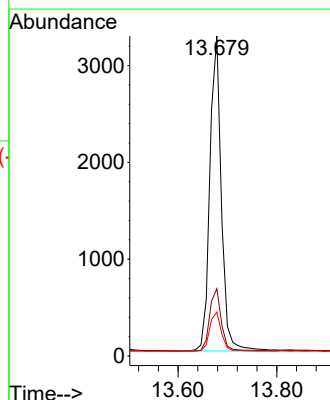
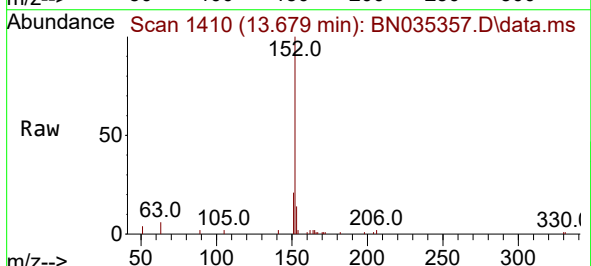
Instrument :
BNA_N
ClientSampleId :
ICVBN112724

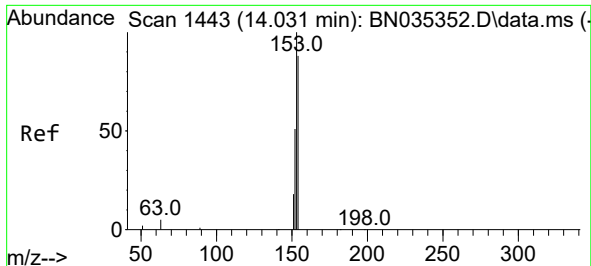
Tgt Ion:	172	Resp:	4647
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.7	19.8	29.8



#16
Acenaphthylene
Concen: 0.435 ng
RT: 13.679 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:	152	Resp:	5261
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	12.7	10.4	15.6

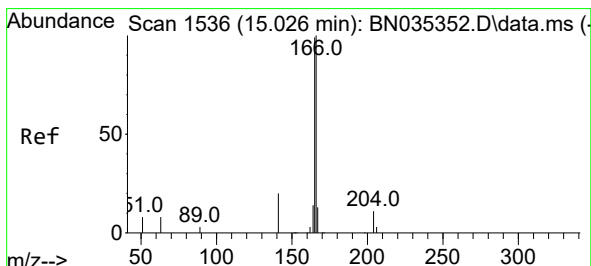
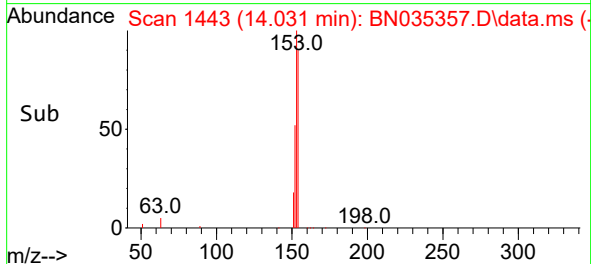
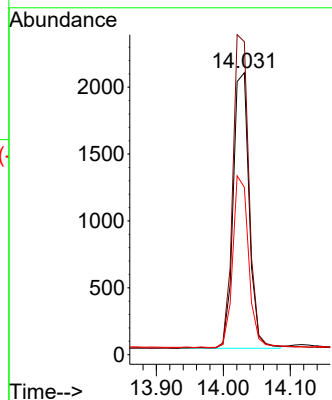
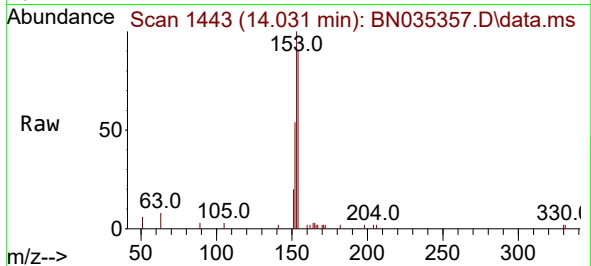




#17
Acenaphthene
Concen: 0.426 ng
RT: 14.031 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

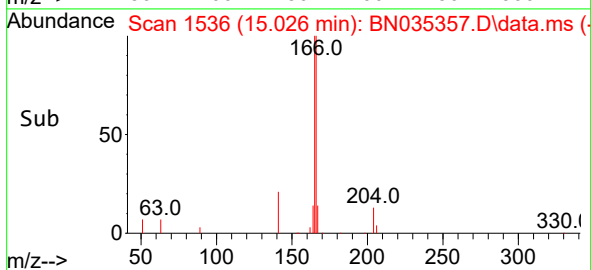
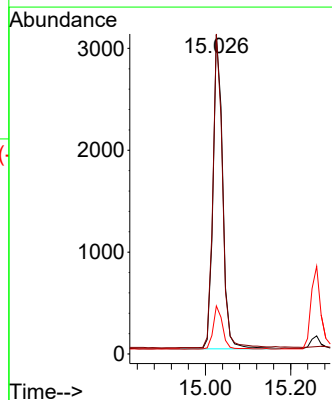
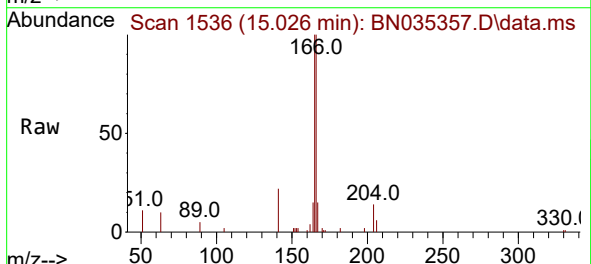
Instrument :
BNA_N
ClientSampleId :
ICVBN112724

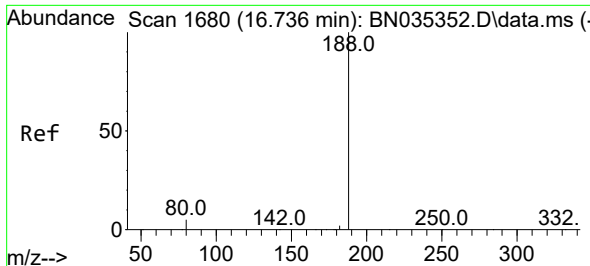
Tgt Ion:154 Resp: 3421
Ion Ratio Lower Upper
154 100
153 115.4 92.6 139.0
152 61.9 49.0 73.6



#18
Fluorene
Concen: 0.420 ng
RT: 15.026 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:166 Resp: 4825
Ion Ratio Lower Upper
166 100
165 98.4 79.7 119.5
167 13.6 10.8 16.2

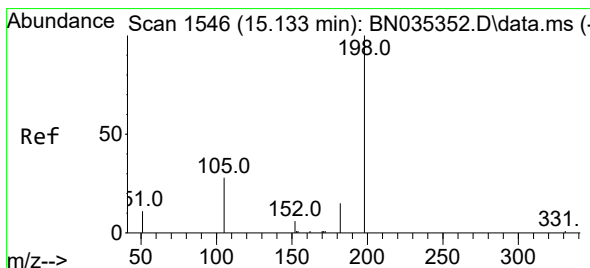
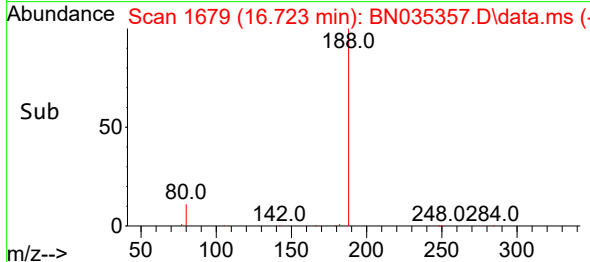
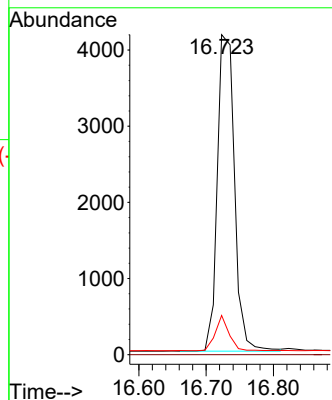
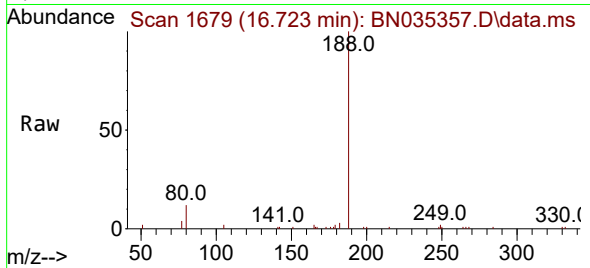




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.723 min Scan# 1679
Delta R.T. -0.012 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

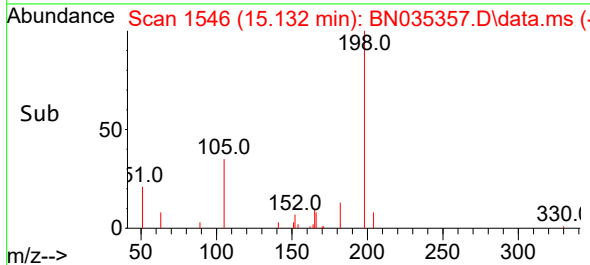
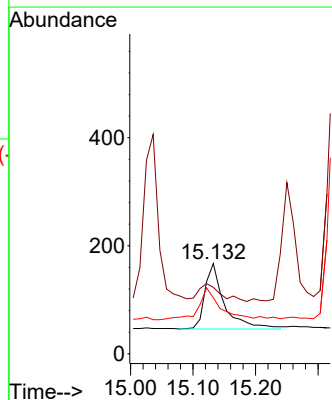
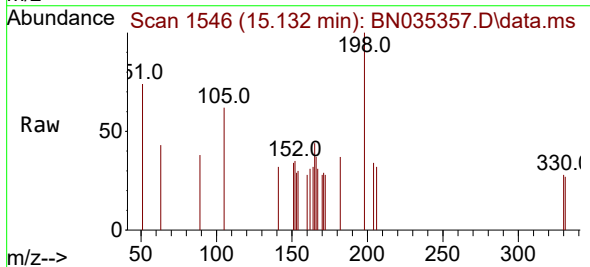
Instrument :
BNA_N
ClientSampleId :
ICVBN112724

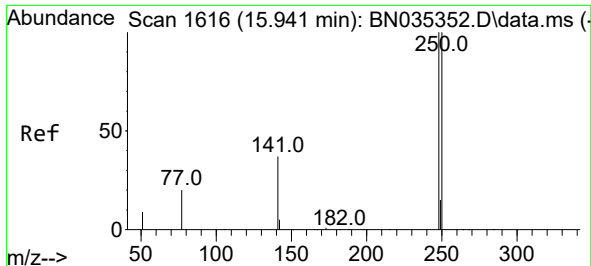
Tgt Ion:188 Resp: 7350
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.2 4.6 6.8#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.364 ng
RT: 15.132 min Scan# 1546
Delta R.T. -0.001 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:198 Resp: 263
Ion Ratio Lower Upper
198 100
51 73.7 46.5 69.7#
105 62.3 45.3 67.9

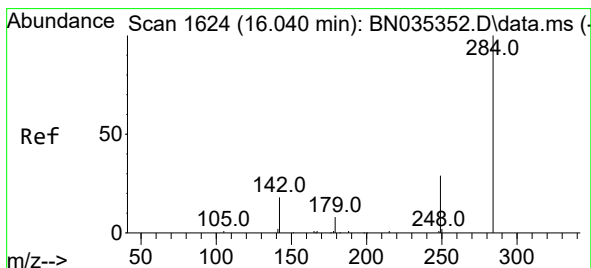
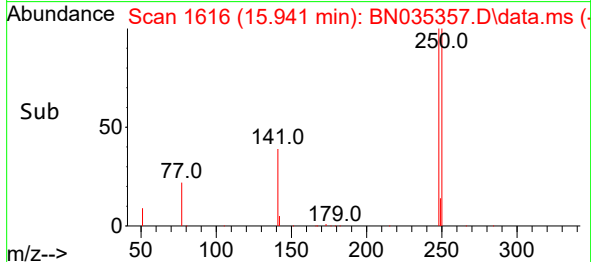
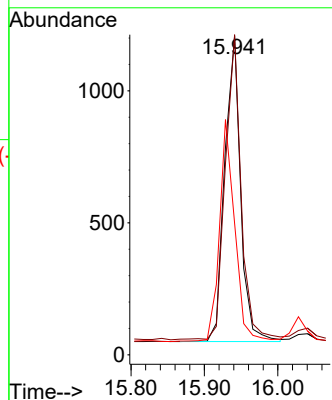
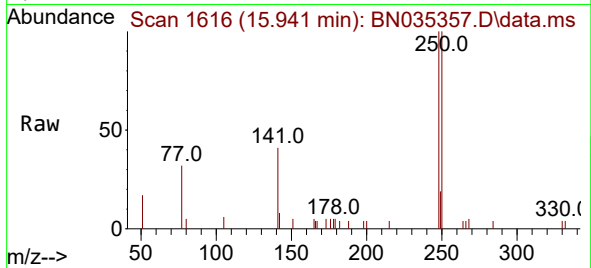




#21
4-Bromophenyl-phenylether
Concen: 0.405 ng
RT: 15.941 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

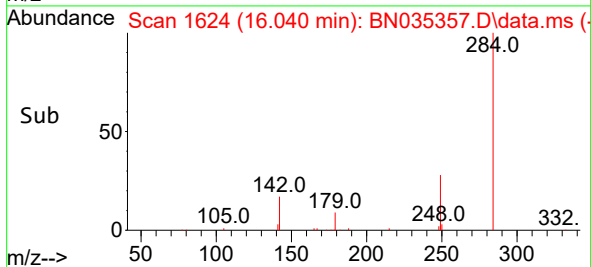
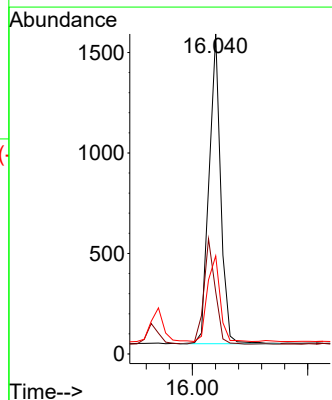
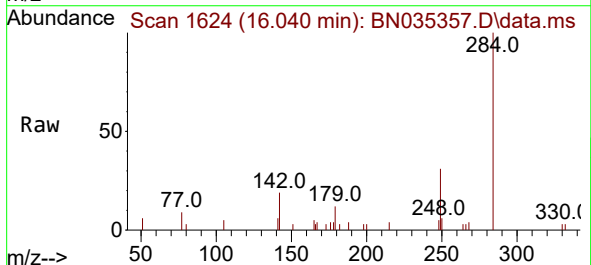
Instrument :
BNA_N
ClientSampleId :
ICVBN112724

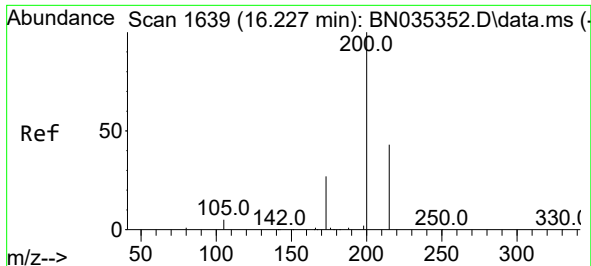
Tgt Ion:248 Resp: 1742
Ion Ratio Lower Upper
248 100
250 100.3 80.6 120.8
141 41.2 31.5 47.3



#22
Hexachlorobenzene
Concen: 0.426 ng
RT: 16.040 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:284 Resp: 2151
Ion Ratio Lower Upper
284 100
142 33.5 26.7 40.1
249 30.0 24.6 36.8

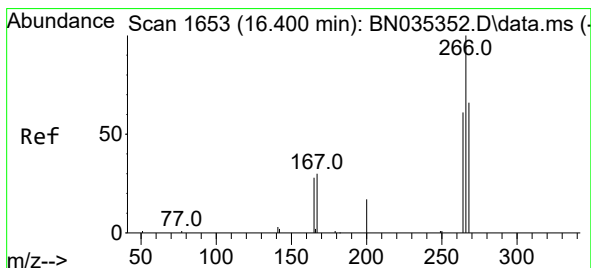
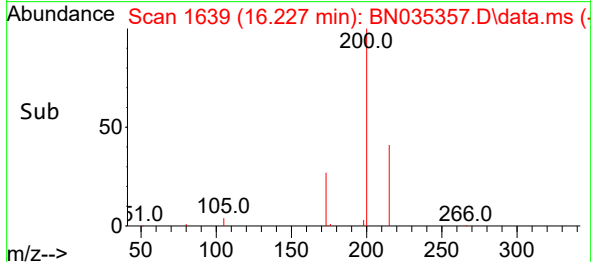
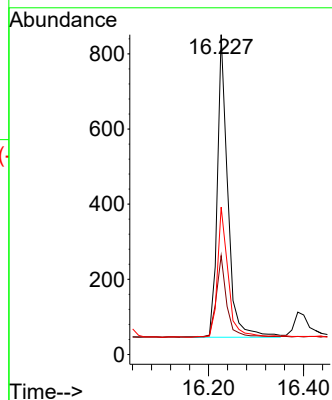
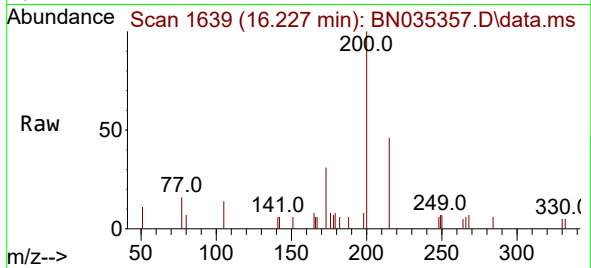




#23
 Atrazine
 Concen: 0.401 ng
 RT: 16.227 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: BN035357.D
 Acq: 27 Nov 2024 20:21

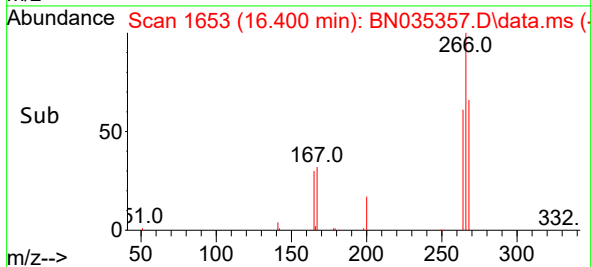
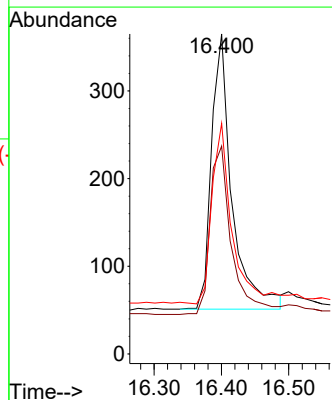
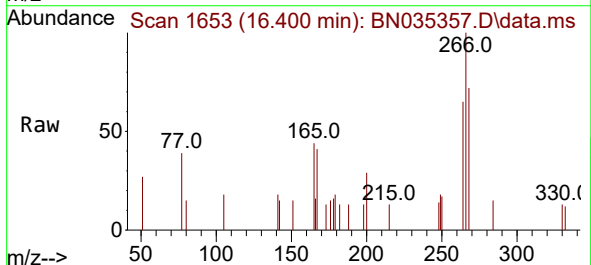
Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112724

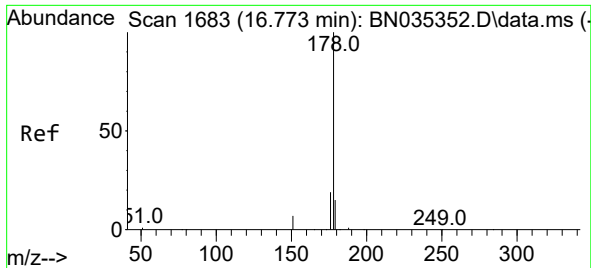
Tgt Ion:200 Resp: 1227
 Ion Ratio Lower Upper
 200 100
 173 30.9 24.1 36.1
 215 46.1 36.9 55.3



#24
 Pentachlorophenol
 Concen: 0.301 ng
 RT: 16.400 min Scan# 1653
 Delta R.T. -0.000 min
 Lab File: BN035357.D
 Acq: 27 Nov 2024 20:21

Tgt Ion:266 Resp: 662
 Ion Ratio Lower Upper
 266 100
 264 65.0 42.3 63.5#
 268 66.8 43.3 64.9#

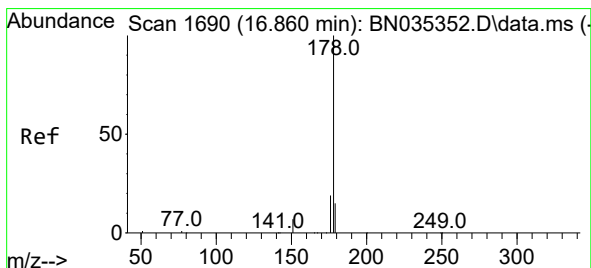
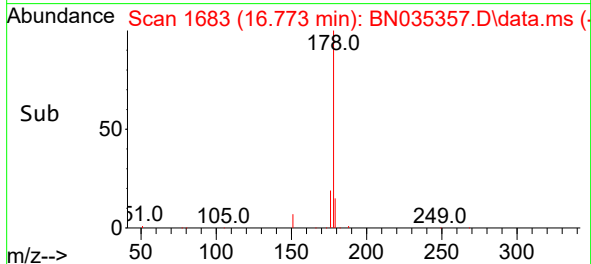
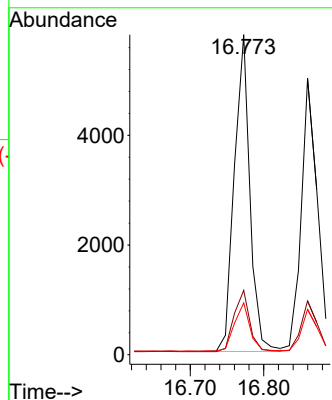
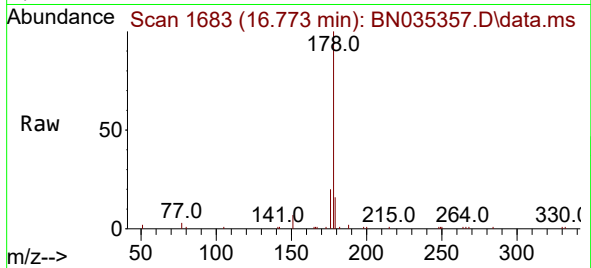




#25
Phenanthrene
Concen: 0.421 ng
RT: 16.773 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

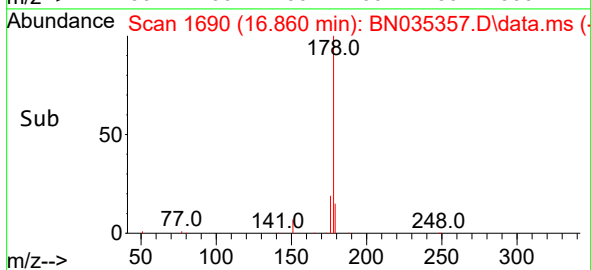
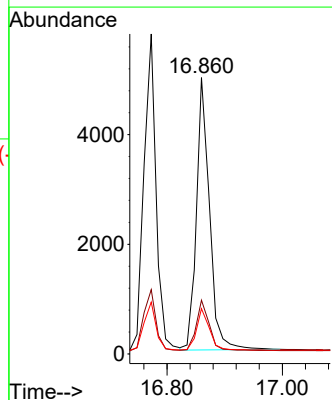
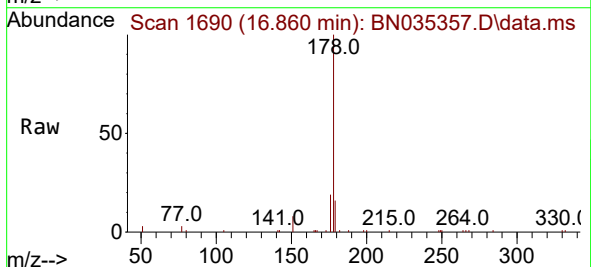
Instrument :
BNA_N
ClientSampleId :
ICVBN112724

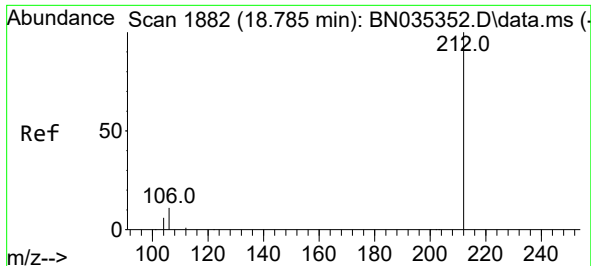
Tgt Ion:178 Resp: 8509
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.4 12.3 18.5



#26
Anthracene
Concen: 0.430 ng
RT: 16.860 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:178 Resp: 7849
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.3 12.6 18.8

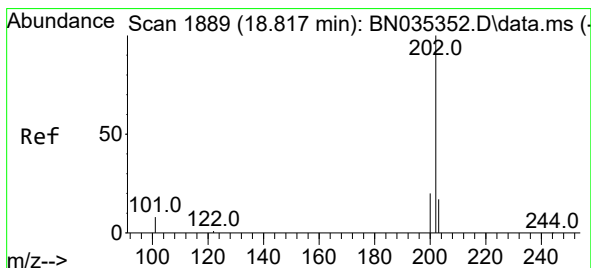
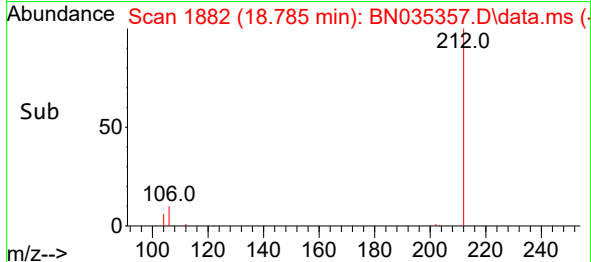
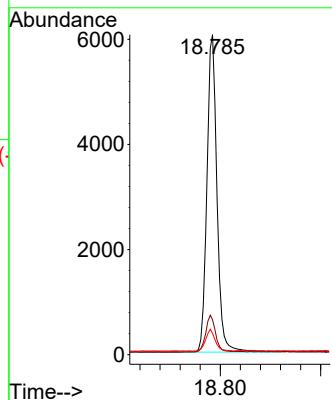
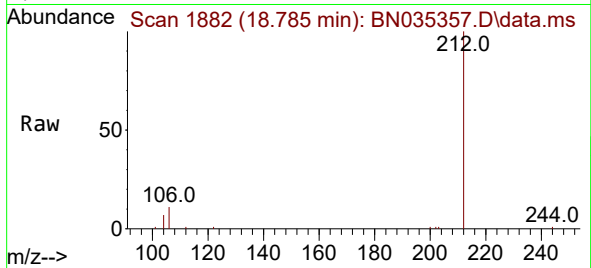




#27
Fluoranthene-d10
Concen: 0.404 ng
RT: 18.785 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

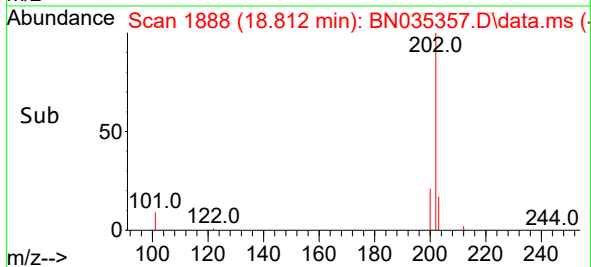
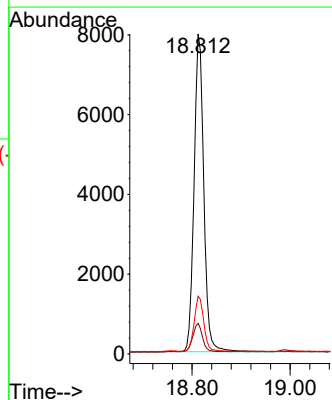
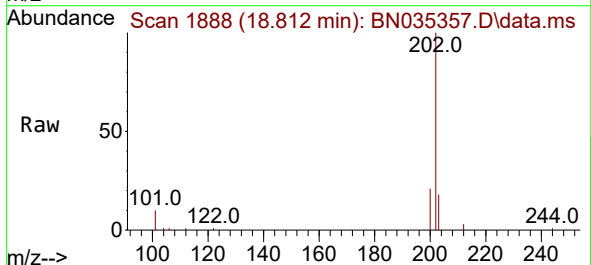
Instrument :
BNA_N
ClientSampleId :
ICVBN112724

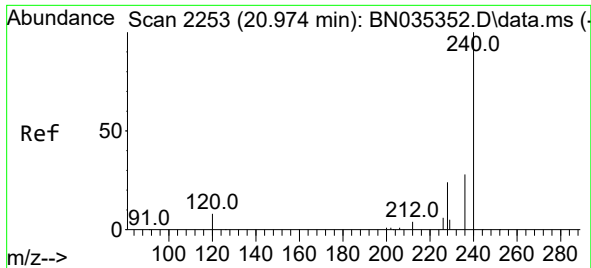
Tgt Ion:212 Resp: 8415
Ion Ratio Lower Upper
212 100
106 11.3 9.2 13.8
104 6.4 5.3 7.9



#28
Fluoranthene
Concen: 0.402 ng
RT: 18.812 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

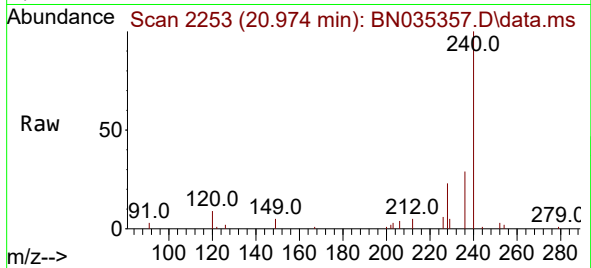
Tgt Ion:202 Resp: 10941
Ion Ratio Lower Upper
202 100
101 9.2 7.4 11.0
203 17.1 13.7 20.5



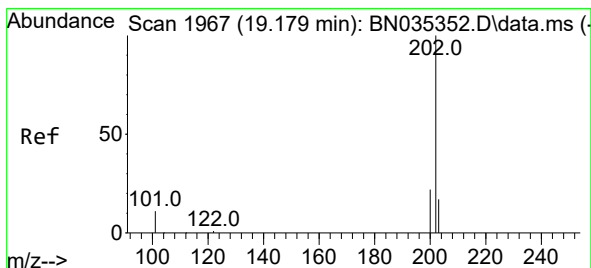
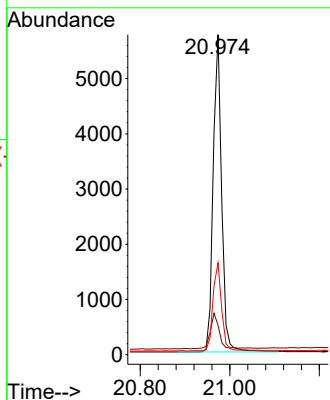
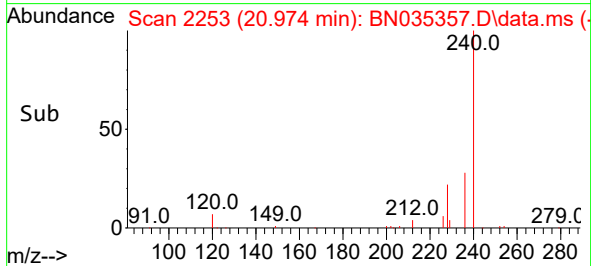


#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

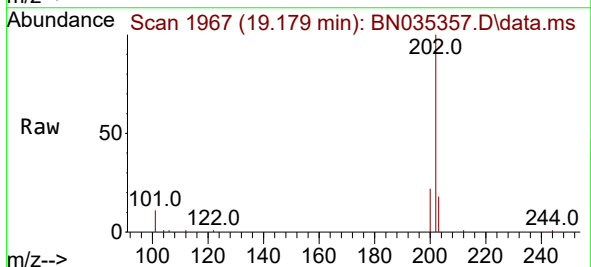
Instrument :
BNA_N
ClientSampleId :
ICVBN112724



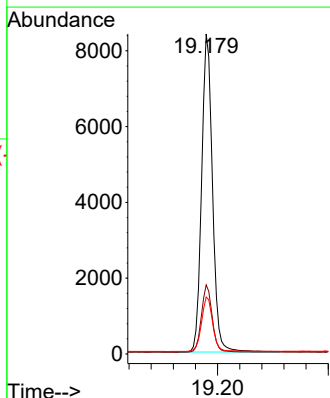
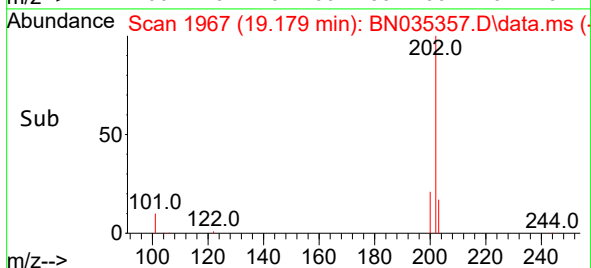
Tgt Ion:240 Resp: 7576
Ion Ratio Lower Upper
240 100
120 9.1 7.9 11.9
236 28.7 22.9 34.3

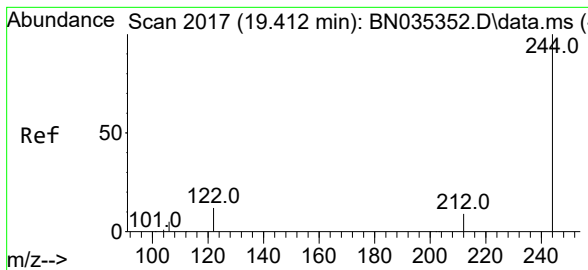


#30
Pyrene
Concen: 0.410 ng
RT: 19.179 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21



Tgt Ion:202 Resp: 11476
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.8 14.3 21.5

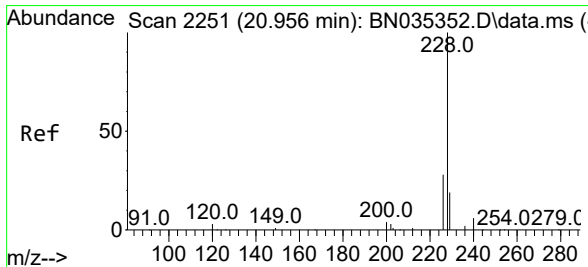
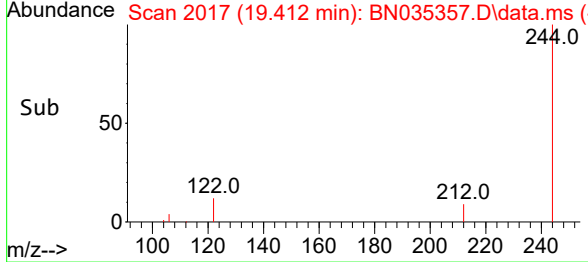
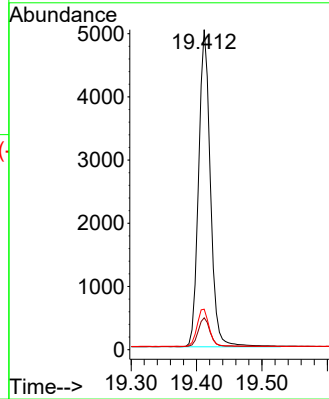
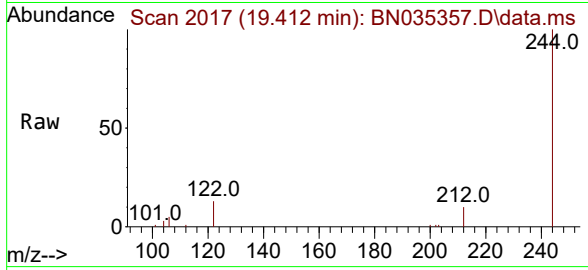




#31
 Terphenyl-d14
 Concen: 0.420 ng
 RT: 19.412 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: BN035357.D
 Acq: 27 Nov 2024 20:21

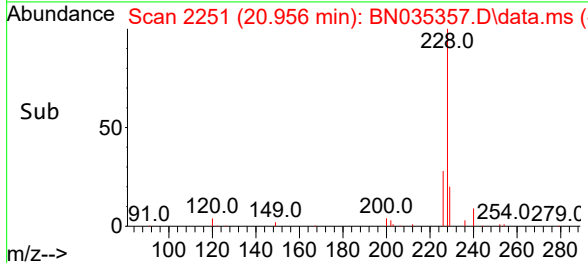
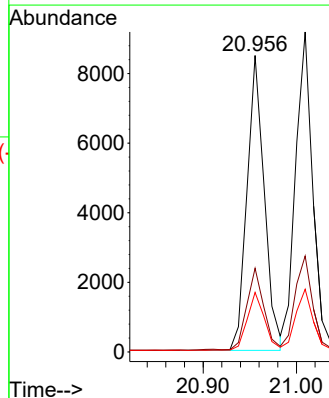
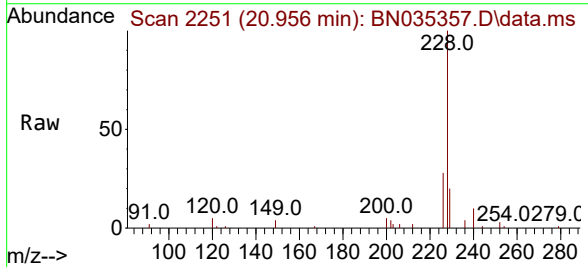
Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112724

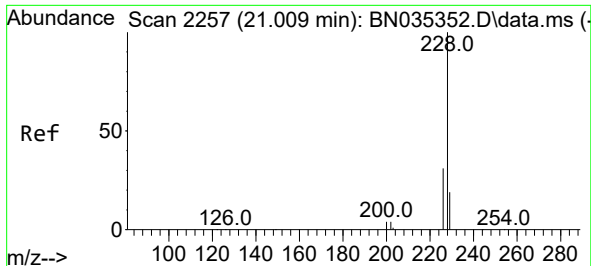
Tgt Ion:244 Resp: 6272
 Ion Ratio Lower Upper
 244 100
 212 9.9 8.1 12.1
 122 12.6 10.3 15.5



#32
 Benzo(a)anthracene
 Concen: 0.413 ng
 RT: 20.956 min Scan# 2251
 Delta R.T. -0.000 min
 Lab File: BN035357.D
 Acq: 27 Nov 2024 20:21

Tgt Ion:228 Resp: 10934
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.5 33.7
 229 20.1 15.8 23.8





#33

Chrysene

Concen: 0.436 ng

RT: 21.009 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035357.D

Acq: 27 Nov 2024 20:21

Instrument :

BNA_N

ClientSampleId :

ICVBN112724

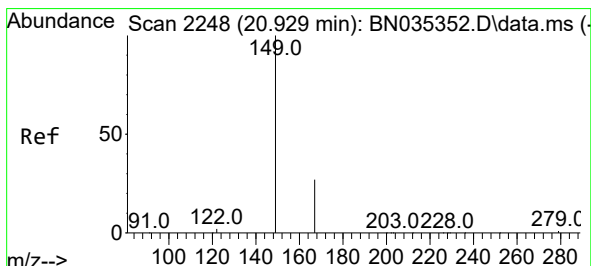
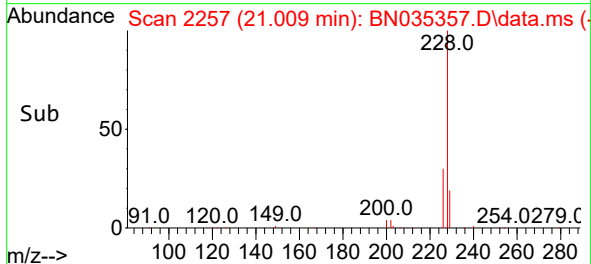
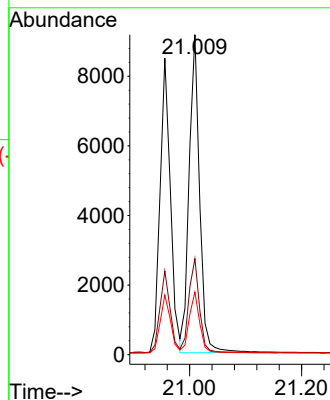
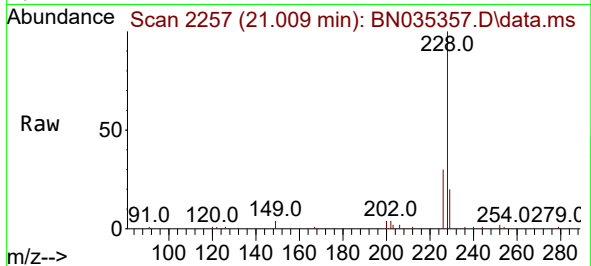
Tgt Ion:228 Resp: 11926

Ion Ratio Lower Upper

228 100

226 30.0 24.6 37.0

229 19.6 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.384 ng

RT: 20.929 min Scan# 2248

Delta R.T. -0.000 min

Lab File: BN035357.D

Acq: 27 Nov 2024 20:21

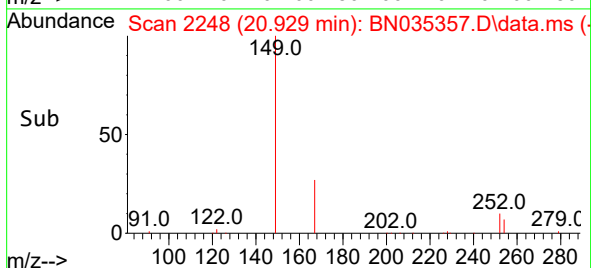
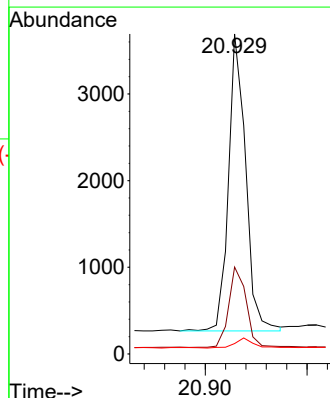
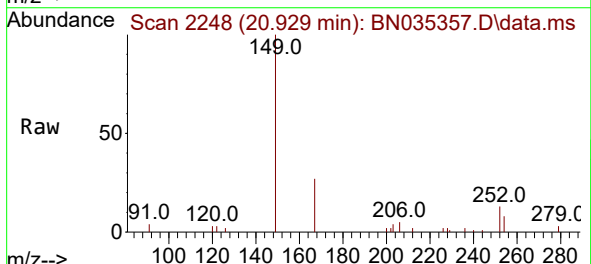
Tgt Ion:149 Resp: 4016

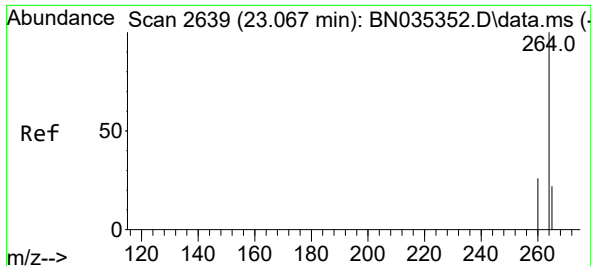
Ion Ratio Lower Upper

149 100

167 27.7 22.2 33.4

279 3.7 2.7 4.1



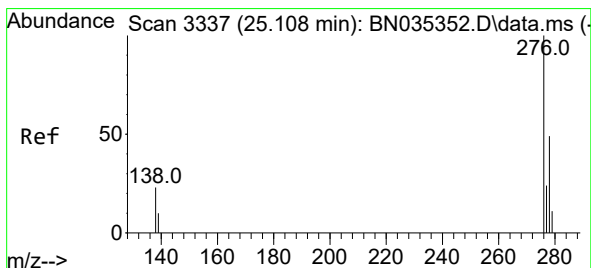
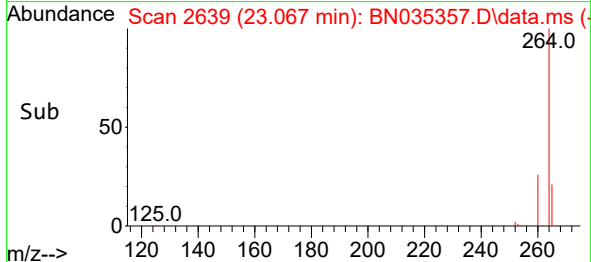
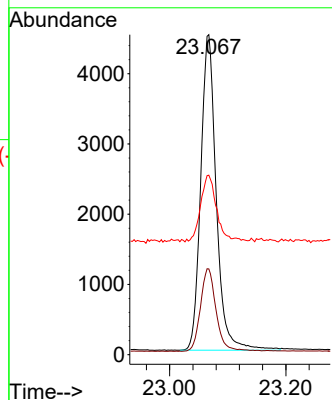
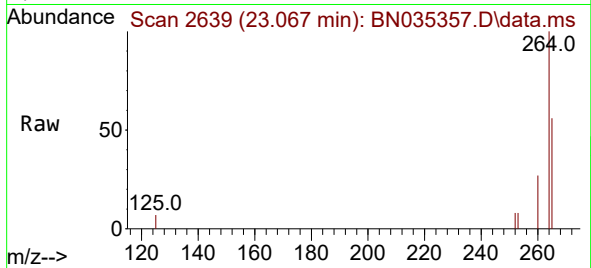


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

Tgt Ion:264 Resp: 8338

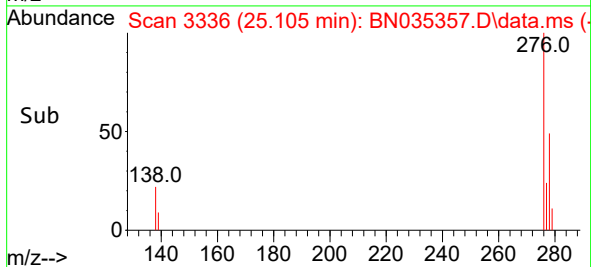
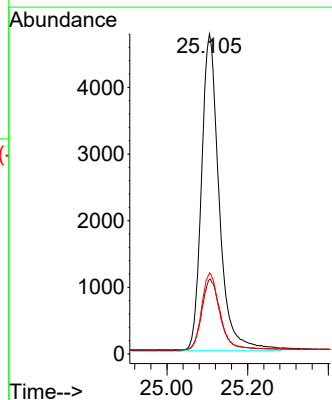
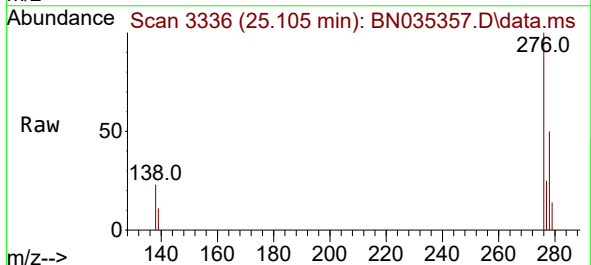
Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.4	32.2
265	56.1	40.2	60.4

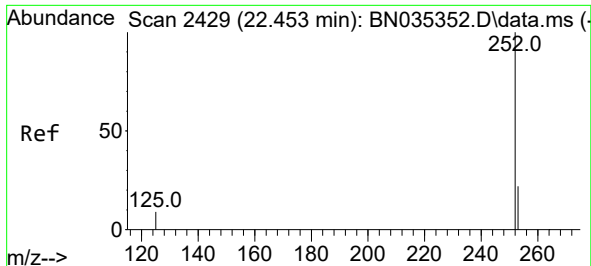


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.443 ng
RT: 25.105 min Scan# 3336
Delta R.T. -0.003 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Tgt Ion:276 Resp: 14433

Ion	Ratio	Lower	Upper
276	100		
138	23.5	19.4	29.0
277	24.6	19.8	29.6

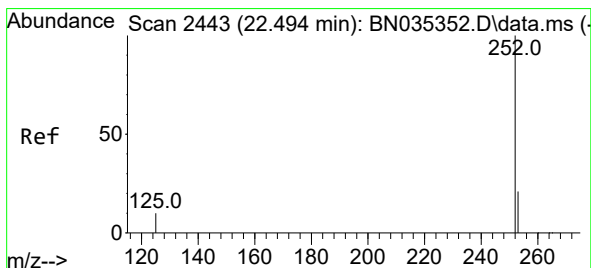
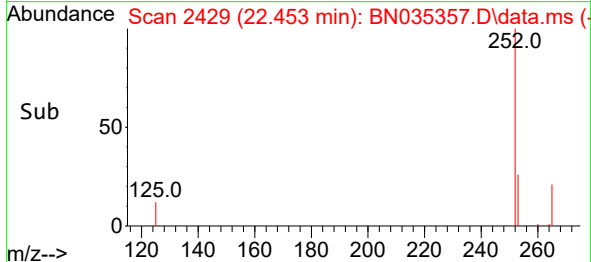
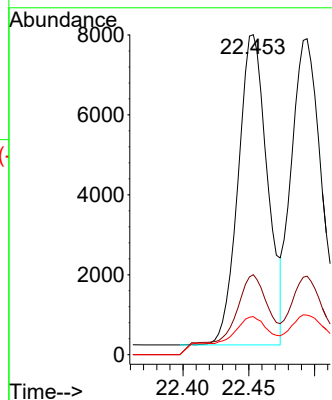
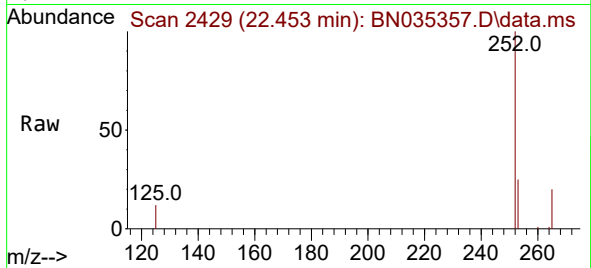




#37
Benzo(b)fluoranthene
Concen: 0.426 ng
RT: 22.453 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

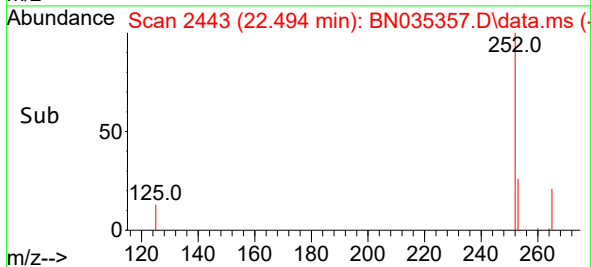
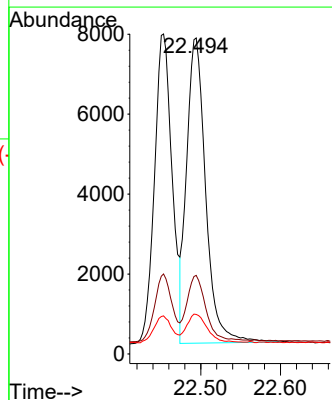
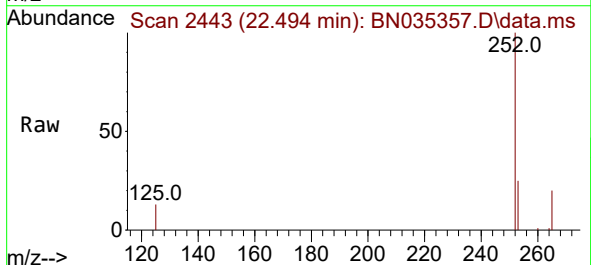
Instrument :
BNA_N
ClientSampleId :
ICVBN112724

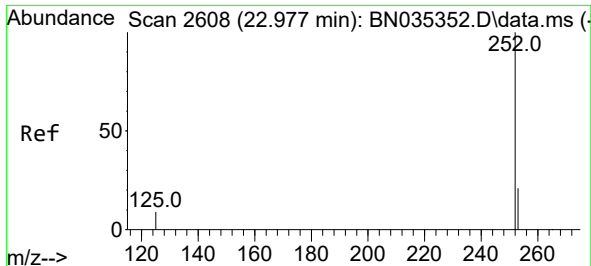
Tgt Ion:252 Resp: 12988
Ion Ratio Lower Upper
252 100
253 25.0 19.6 29.4
125 11.9 9.6 14.4



#38
Benzo(k)fluoranthene
Concen: 0.422 ng
RT: 22.494 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

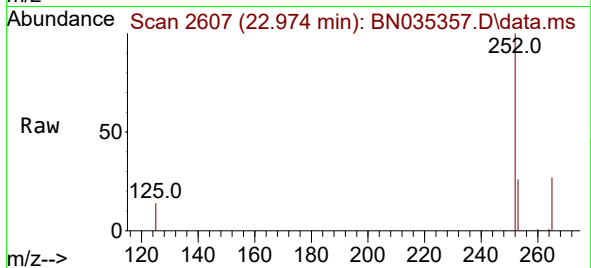
Tgt Ion:252 Resp: 12669
Ion Ratio Lower Upper
252 100
253 24.8 19.5 29.3
125 12.5 10.2 15.4



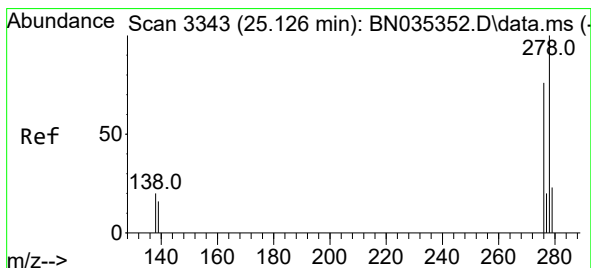
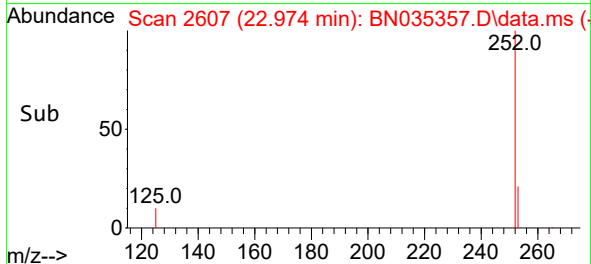
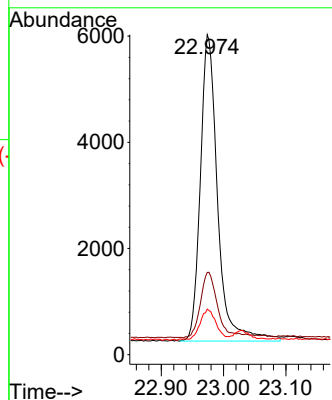


#39
Benzo(a)pyrene
Concen: 0.442 ng
RT: 22.974 min Scan# 20
Delta R.T. -0.003 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724

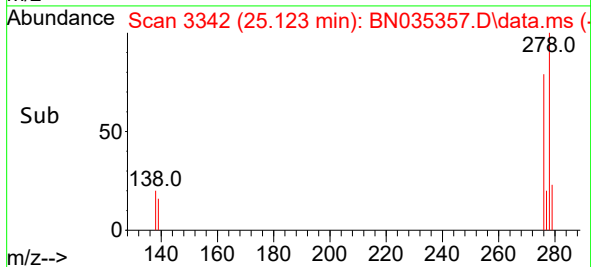
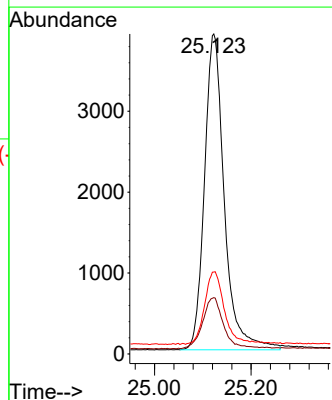
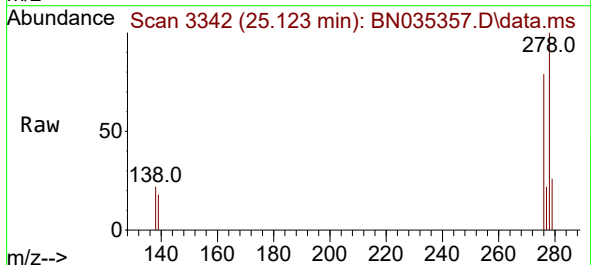


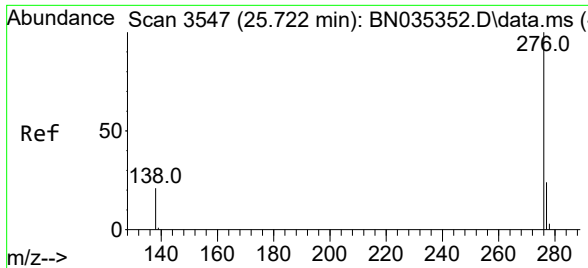
Tgt Ion:252 Resp: 11094
Ion Ratio Lower Upper
252 100
253 25.7 20.2 30.4
125 14.3 10.9 16.3



#40
Dibenzo(a,h)anthracene
Concen: 0.433 ng
RT: 25.123 min Scan# 3342
Delta R.T. -0.003 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

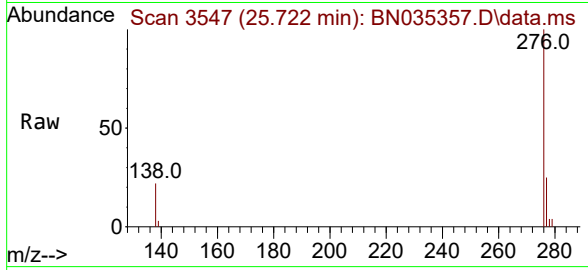
Tgt Ion:278 Resp: 11141
Ion Ratio Lower Upper
278 100
139 17.6 14.2 21.4
279 25.6 20.5 30.7



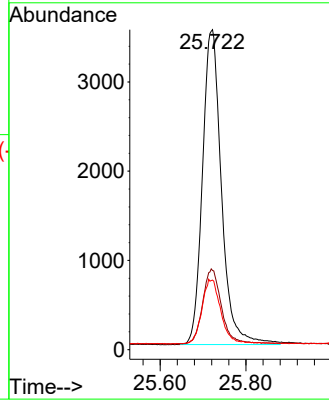
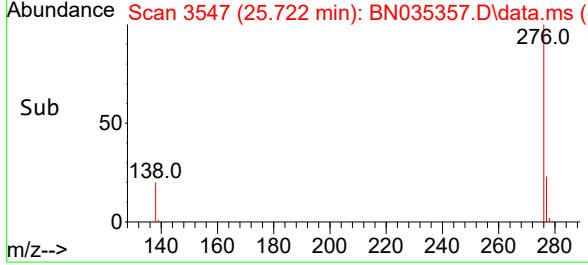


#41
Benzo(g,h,i)perylene
Concen: 0.404 ng
RT: 25.722 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN035357.D
Acq: 27 Nov 2024 20:21

Instrument :
BNA_N
ClientSampleId :
ICVBN112724



Tgt Ion:	276	Resp:	10870
Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.9	29.9
138	21.7	17.8	26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035368.D
 Acq On : 28 Nov 2024 04:51
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Nov 28 05:19:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

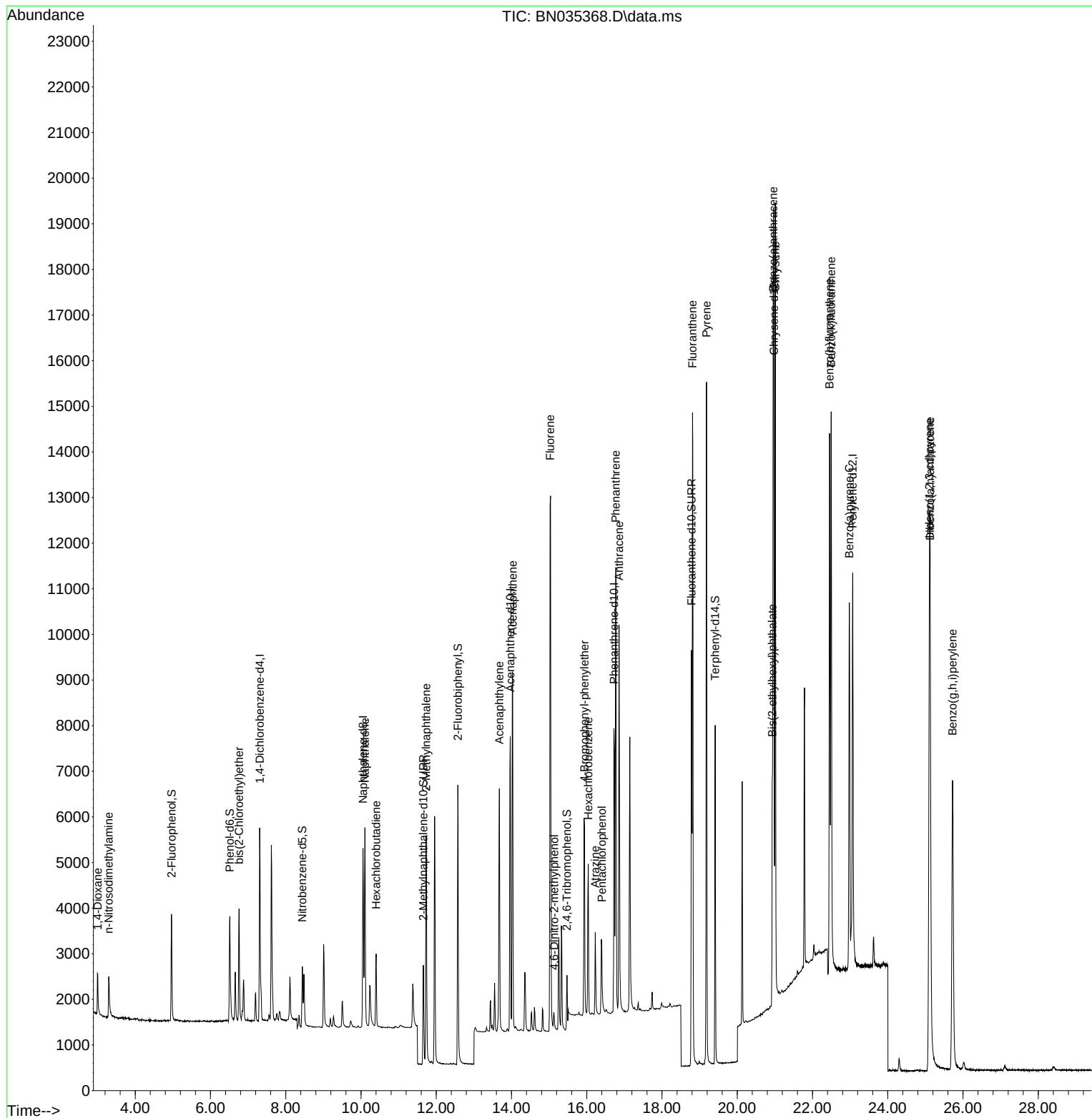
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2051	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5360	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	3908	0.400	ng	0.00
19) Phenanthrene-d10	16.723	188	9758	0.400	ng	#-0.01
29) Chrysene-d12	20.974	240	9496	0.400	ng	0.00
35) Perylene-d12	23.067	264	10416	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	2113	0.412	ng	0.00
5) Phenol-d6	6.513	99	2611	0.423	ng	0.00
8) Nitrobenzene-d5	8.440	82	1400	0.428	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	3309	0.394	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	1093	0.394	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	5940	0.402	ng	0.00
27) Fluoranthene-d10	18.785	212	10388	0.376	ng	0.00
31) Terphenyl-d14	19.412	244	7482	0.399	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	770	0.393	ng	100
3) n-Nitrosodimethylamine	3.292	42	671	0.411	ng	# 98
6) bis(2-Chloroethyl)ether	6.759	93	2024	0.390	ng	100
9) Naphthalene	10.105	128	5590	0.395	ng	100
10) Hexachlorobutadiene	10.404	225	1343	0.412	ng	# 100
12) 2-Methylnaphthalene	11.732	142	4014	0.397	ng	99
16) Acenaphthylene	13.679	152	6370	0.388	ng	99
17) Acenaphthene	14.031	154	4272	0.392	ng	100
18) Fluorene	15.026	166	6118	0.392	ng	99
20) 4,6-Dinitro-2-methylph...	15.132	198	349	0.364	ng	98
21) 4-Bromophenyl-phenylether	15.941	248	2214	0.388	ng	99
22) Hexachlorobenzene	16.040	284	2712	0.405	ng	99
23) Atrazine	16.227	200	1469	0.362	ng	98
24) Pentachlorophenol	16.400	266	1108	0.380	ng	87
25) Phenanthrene	16.773	178	10414	0.389	ng	100
26) Anthracene	16.860	178	9214	0.380	ng	100
28) Fluoranthene	18.812	202	13563	0.375	ng	100
30) Pyrene	19.184	202	14155	0.404	ng	100
32) Benzo(a)anthracene	20.956	228	12659	0.381	ng	100
33) Chrysene	21.009	228	13795	0.403	ng	99
34) Bis(2-ethylhexyl)phtha...	20.929	149	4791	0.365	ng	100
36) Indeno(1,2,3-cd)pyrene	25.105	276	15947	0.392	ng	99
37) Benzo(b)fluoranthene	22.453	252	16437	0.431	ng	100
38) Benzo(k)fluoranthene	22.497	252	14678	0.391	ng	99
39) Benzo(a)pyrene	22.980	252	11871	0.378	ng	99
40) Dibenzo(a,h)anthracene	25.128	278	12541	0.390	ng	99
41) Benzo(g,h,i)perylene	25.722	276	12859	0.383	ng	98

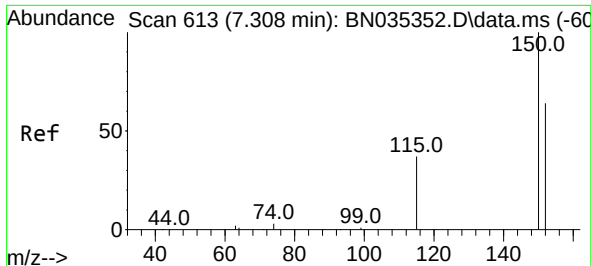
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035368.D
Acq On : 28 Nov 2024 04:51
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

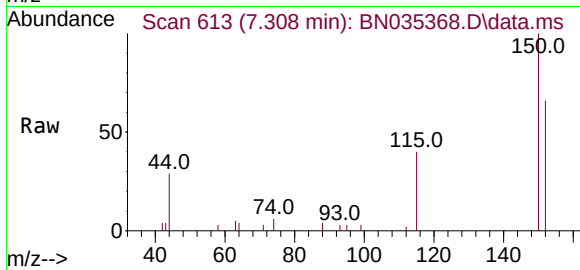
Quant Time: Nov 28 05:19:23 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration





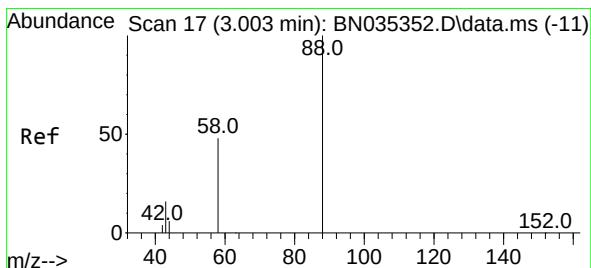
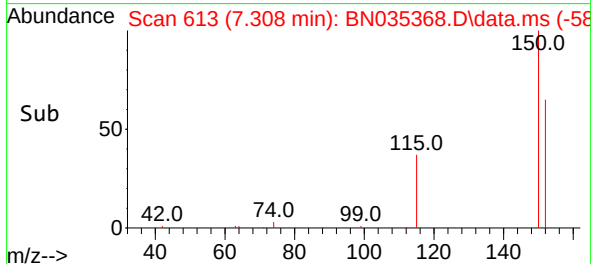
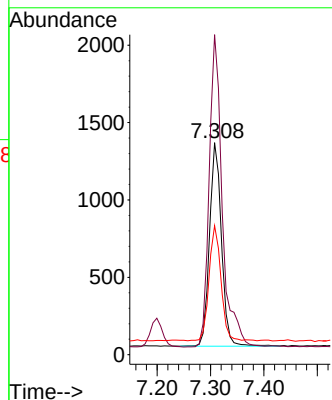
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.308 min Scan# 613
 Delta R.T. -0.000 min
 Lab File: BN035368.D
 Acq: 28 Nov 2024 04:51

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4



Tgt Ion: 152 Resp: 2051

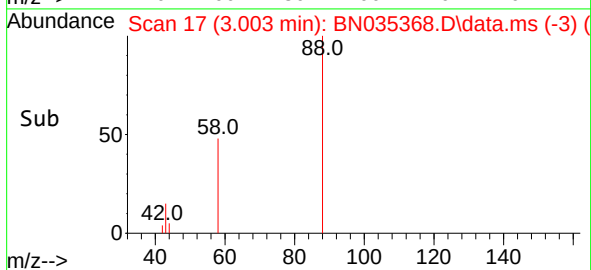
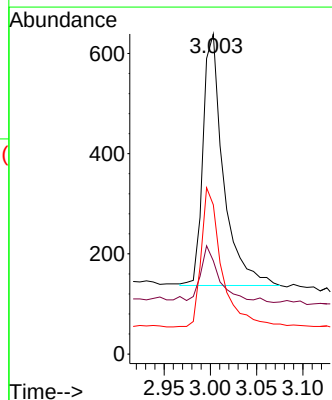
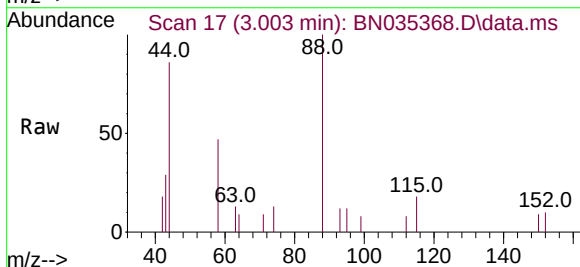
Ion	Ratio	Lower	Upper
152	100		
150	150.9	124.0	186.0
115	60.8	49.6	74.4

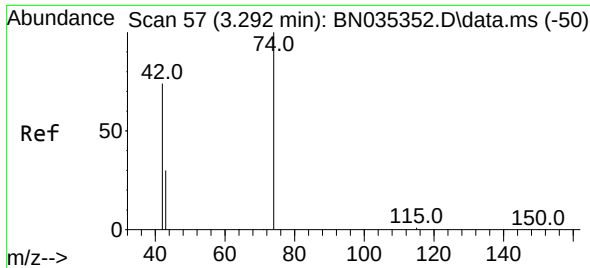


#2
 1,4-Dioxane
 Concen: 0.393 ng
 RT: 3.003 min Scan# 17
 Delta R.T. -0.000 min
 Lab File: BN035368.D
 Acq: 28 Nov 2024 04:51

Tgt Ion: 88 Resp: 770

Ion	Ratio	Lower	Upper
88	100		
43	22.2	17.2	25.8
58	55.6	44.5	66.7

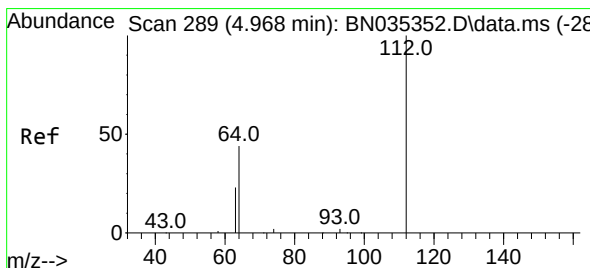
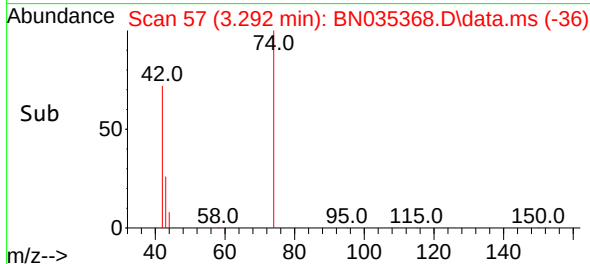
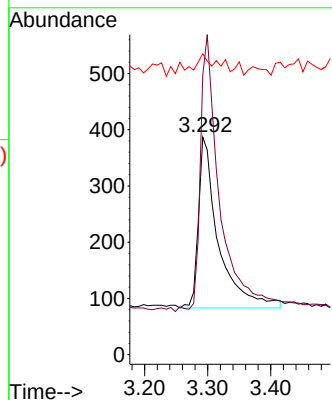
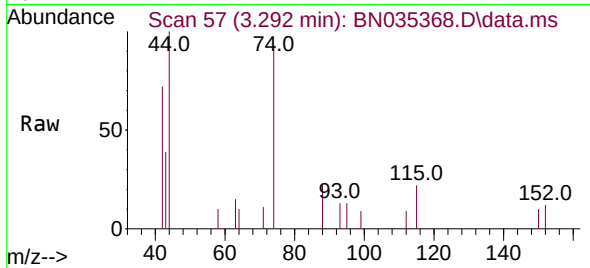




#3
n-Nitrosodimethylamine
Concen: 0.411 ng
RT: 3.292 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

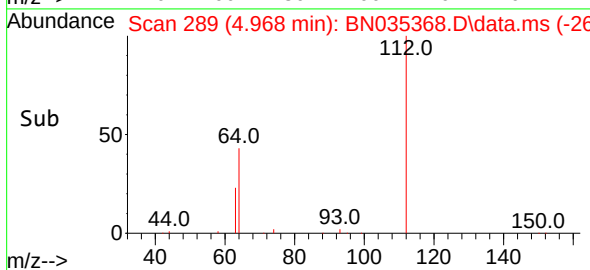
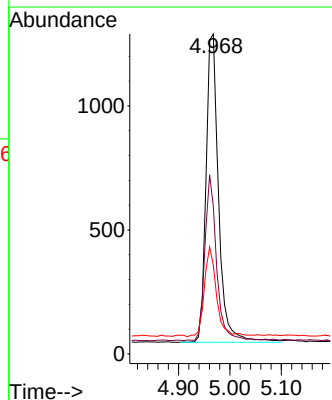
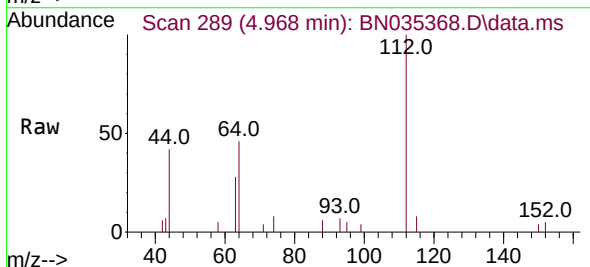
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

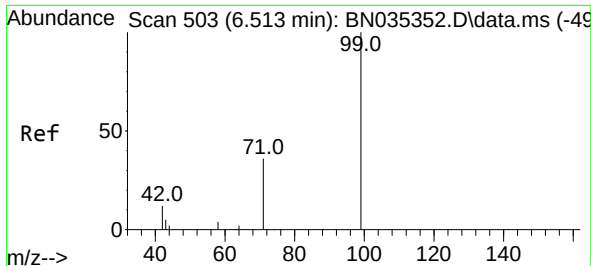
Tgt Ion: 42 Resp: 671
Ion Ratio Lower Upper
42 100
74 158.9 124.9 187.3
44 4.3 2.2 3.4#



#4
2-Fluorophenol
Concen: 0.412 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion: 112 Resp: 2113
Ion Ratio Lower Upper
112 100
64 49.9 39.8 59.8
63 28.7 21.0 31.6

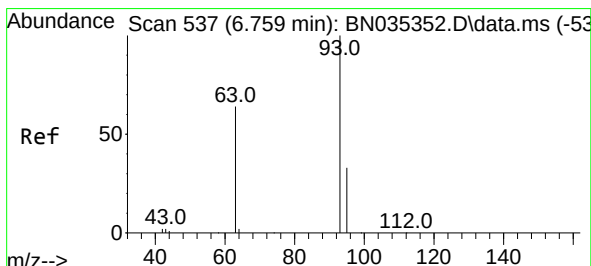
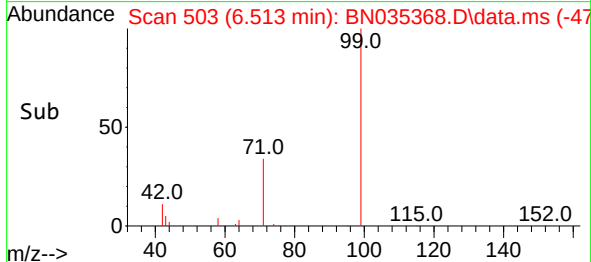
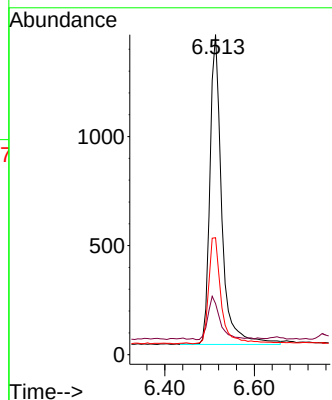
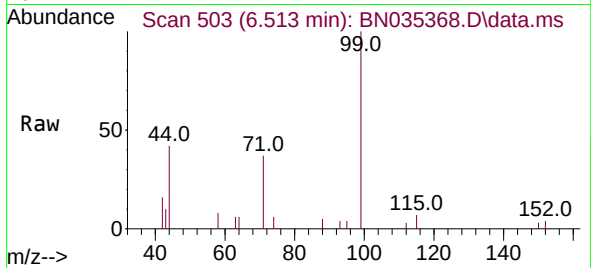




#5
Phenol-d6
Concen: 0.423 ng
RT: 6.513 min Scan# 503
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

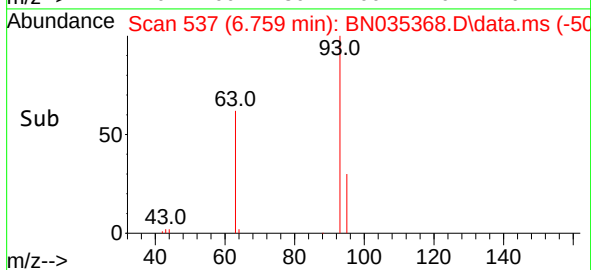
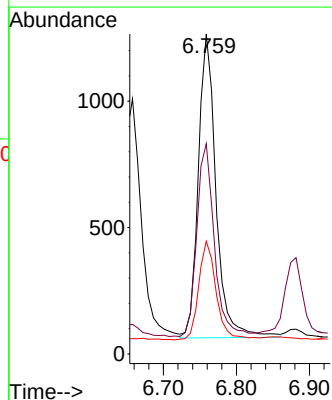
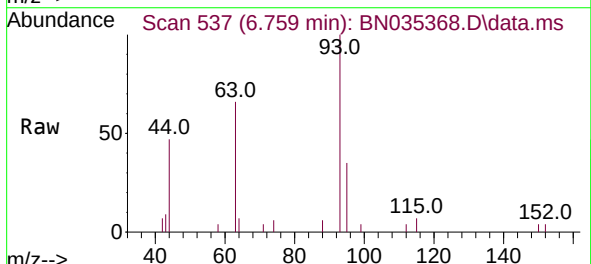
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

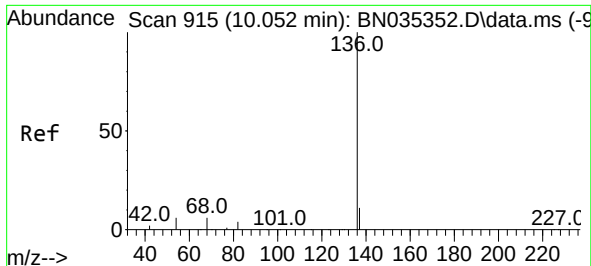
Tgt Ion:	99	Resp:	2611
Ion	Ratio	Lower	Upper
99	100		
42	14.4	11.4	17.2
71	36.8	29.3	43.9



#6
bis(2-Chloroethyl)ether
Concen: 0.390 ng
RT: 6.759 min Scan# 537
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion:	93	Resp:	2024
Ion	Ratio	Lower	Upper
93	100		
63	62.9	50.4	75.6
95	32.0	25.7	38.5

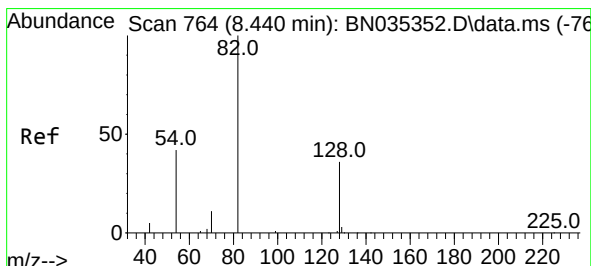
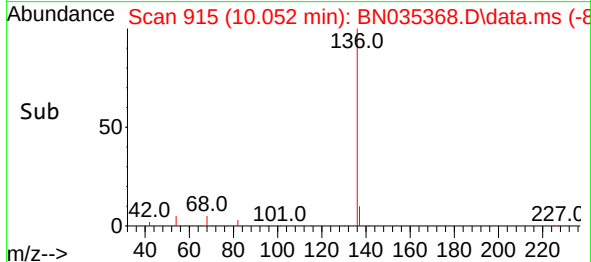
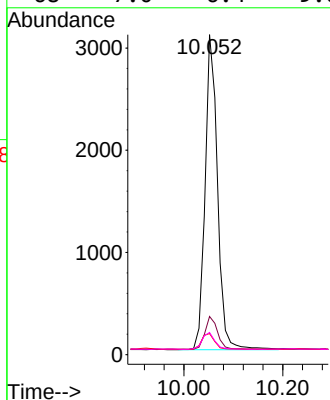
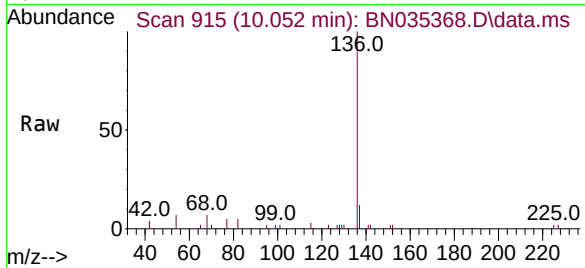




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

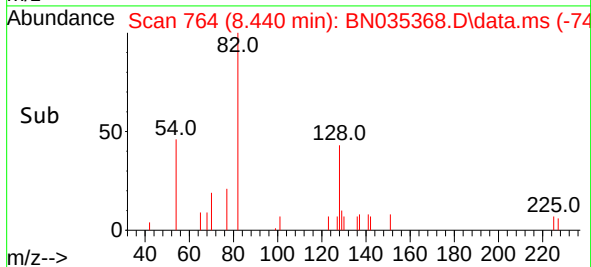
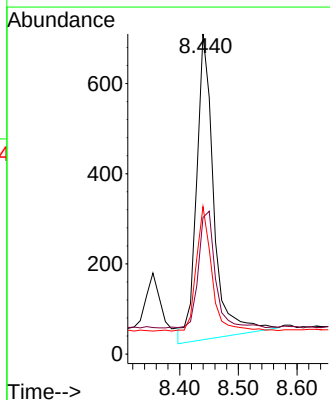
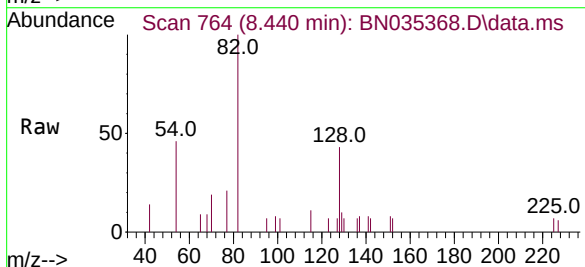
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

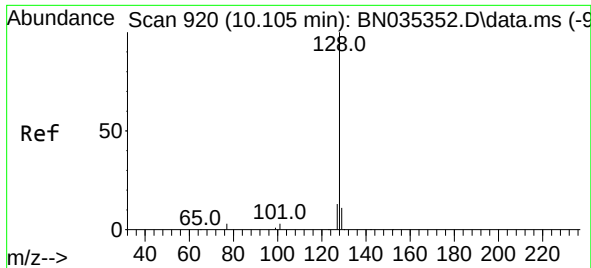
Tgt Ion:	136	Resp:	5360
Ion	Ratio	Lower	Upper
136	100		
137	11.9	10.2	15.2
54	6.6	6.1	9.1
68	7.0	6.4	9.6



#8
Nitrobenzene-d5
Concen: 0.428 ng
RT: 8.440 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion:	82	Resp:	1400
Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.4	50.0
54	46.1	36.7	55.1

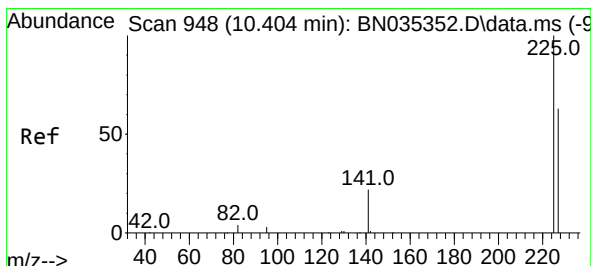
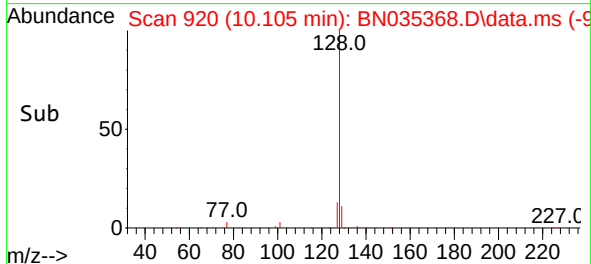
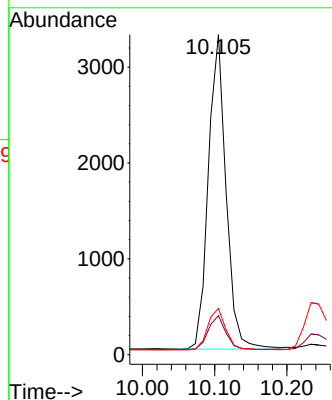
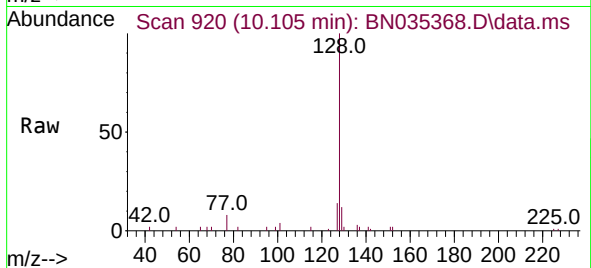




#9
Naphthalene
Concen: 0.395 ng
RT: 10.105 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

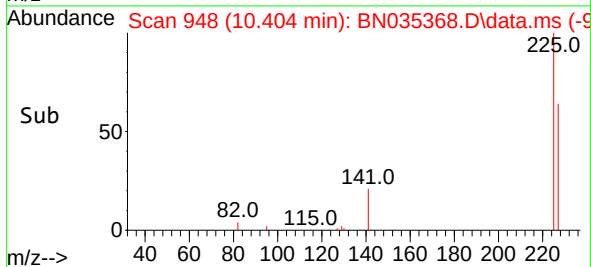
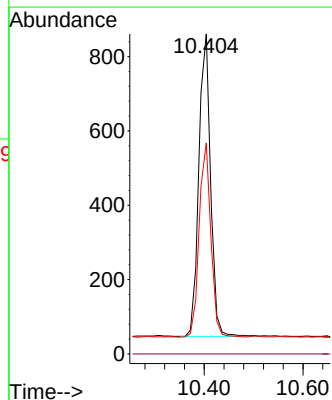
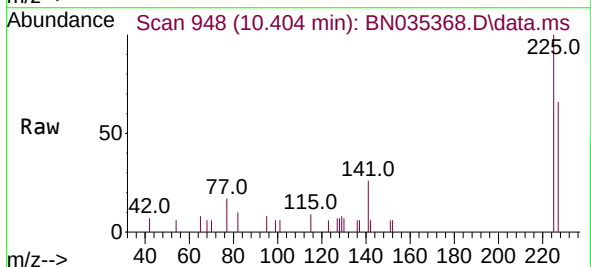
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BNA_N
ClientSampleId :
SSTDCCC0.4

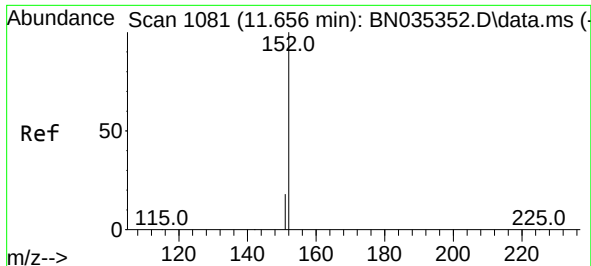
Tgt Ion:128 Resp: 5590
Ion Ratio Lower Upper
128 100
129 12.2 9.8 14.6
127 14.4 11.4 17.2



#10
Hexachlorobutadiene
Concen: 0.412 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion:225 Resp: 1343
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 51.3 76.9

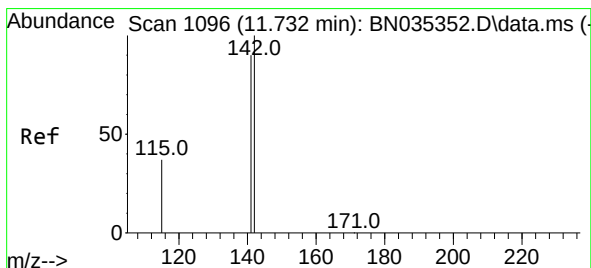
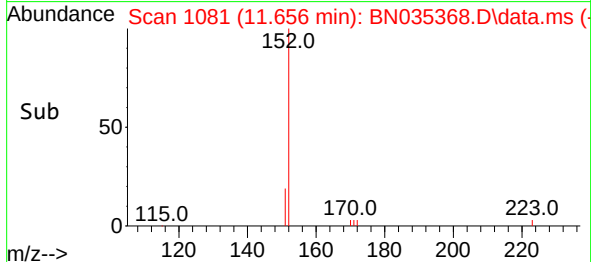
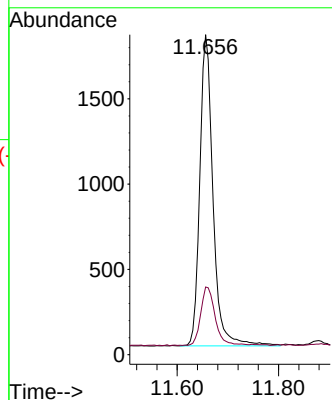
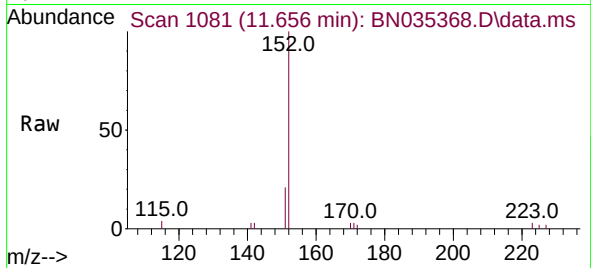




#11
2-Methylnaphthalene-d10
Concen: 0.394 ng
RT: 11.656 min Scan# 1081
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

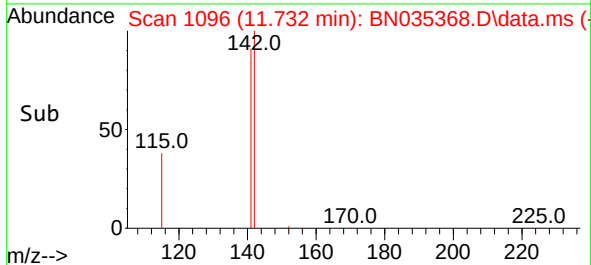
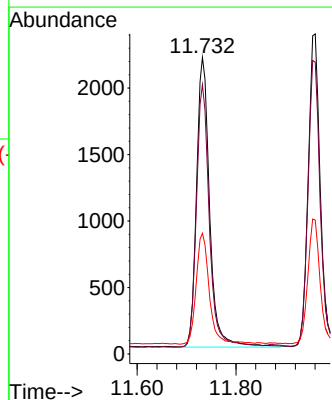
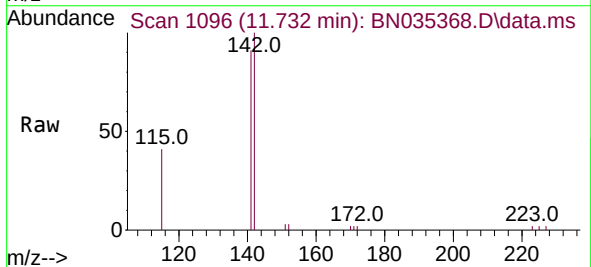
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

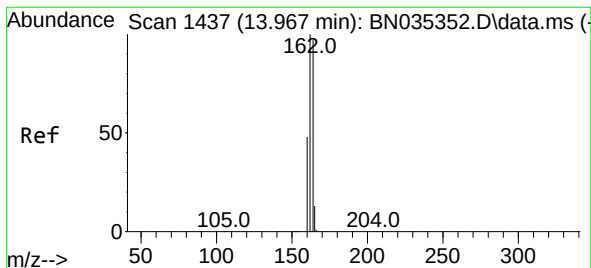
Tgt Ion:152 Resp: 3309
Ion Ratio Lower Upper
152 100
151 20.4 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.397 ng
RT: 11.732 min Scan# 1096
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion:142 Resp: 4014
Ion Ratio Lower Upper
142 100
141 90.8 72.2 108.4
115 40.7 31.4 47.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.967 min Scan# 1437

Delta R.T. -0.000 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

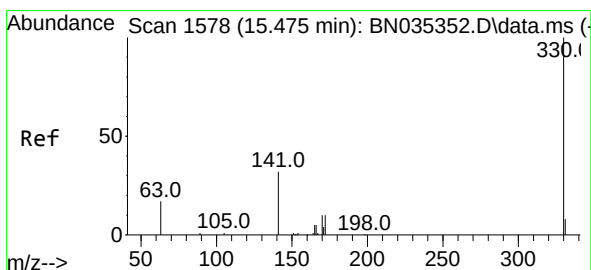
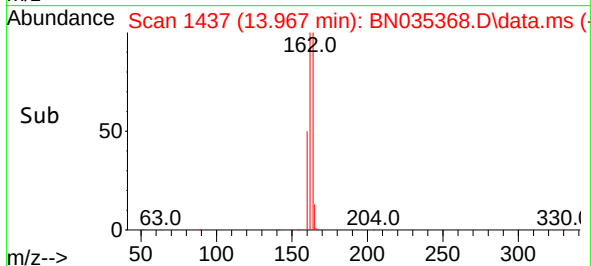
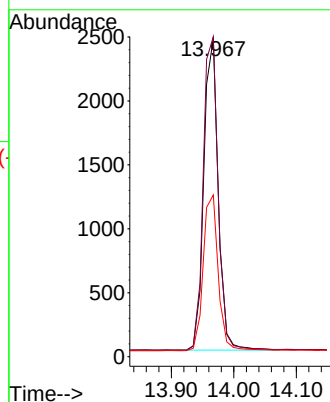
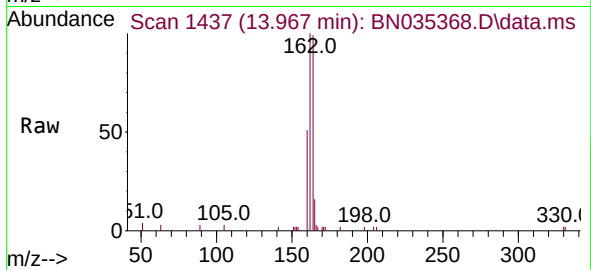
Tgt Ion:164 Resp: 3908

Ion Ratio Lower Upper

164 100

162 100.5 82.2 123.2

160 50.8 40.1 60.1



#14

2,4,6-Tribromophenol

Concen: 0.394 ng

RT: 15.475 min Scan# 1578

Delta R.T. -0.000 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

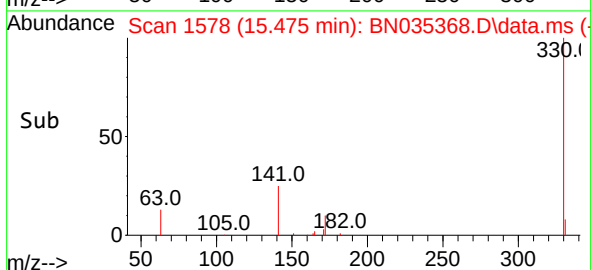
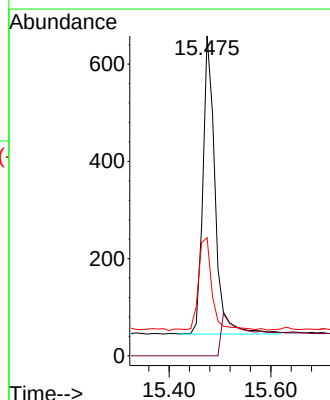
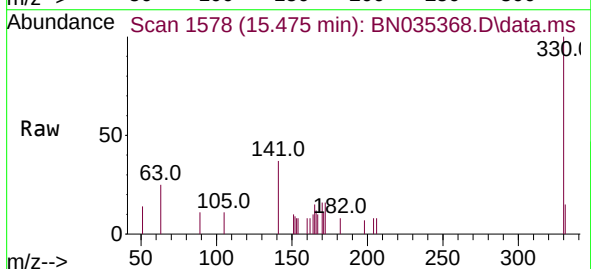
Tgt Ion:330 Resp: 1093

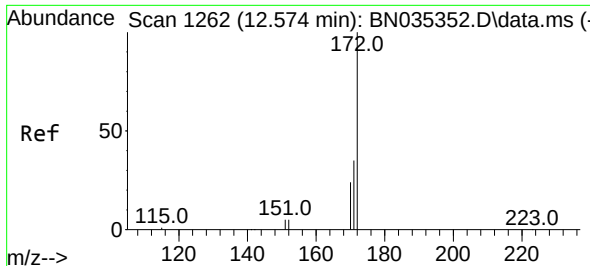
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 35.1 26.6 40.0

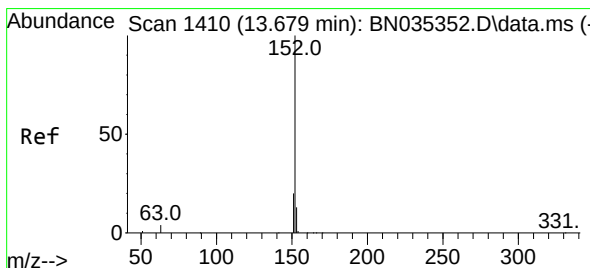
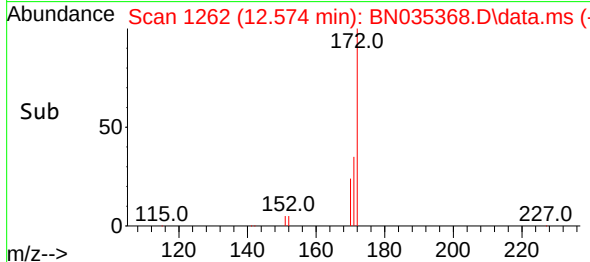
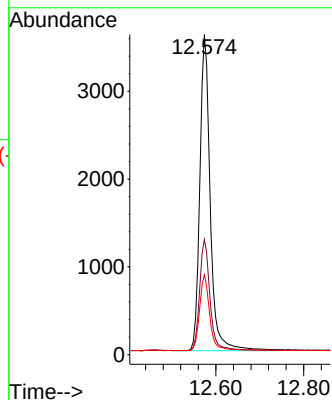
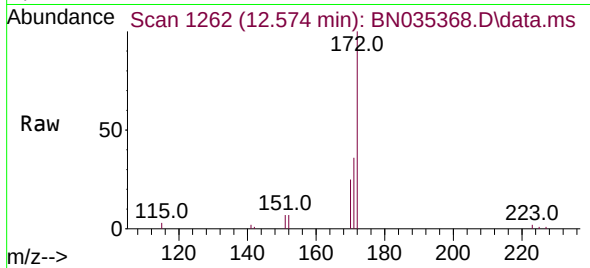




#15
2-Fluorobiphenyl
Concen: 0.402 ng
RT: 12.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

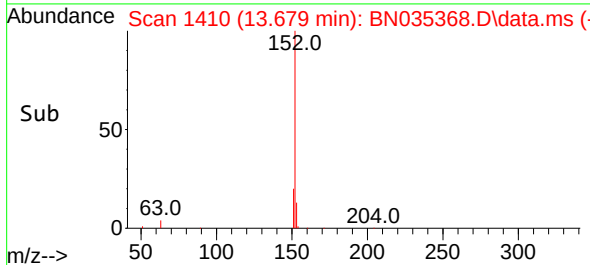
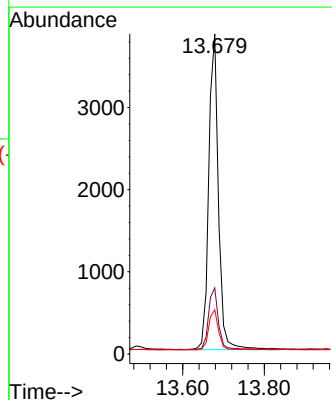
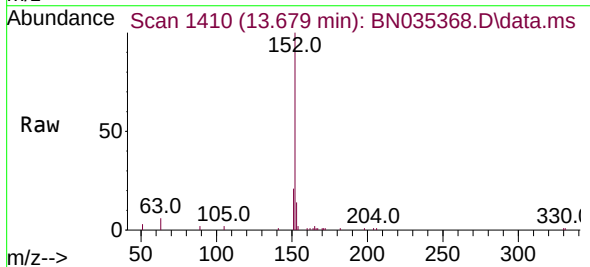
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

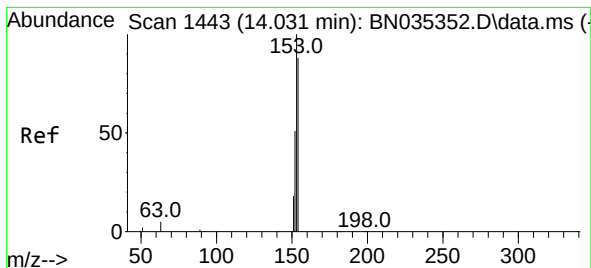
Tgt Ion:172 Resp: 5940
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.4
170 25.0 19.8 29.8



#16
Acenaphthylene
Concen: 0.388 ng
RT: 13.679 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion:152 Resp: 6370
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 12.9 10.4 15.6





#17

Acenaphthene

Concen: 0.392 ng

RT: 14.031 min Scan# 1443

Delta R.T. -0.000 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

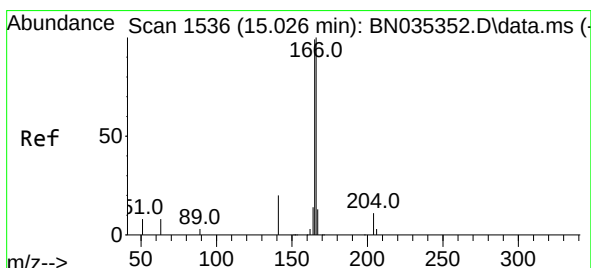
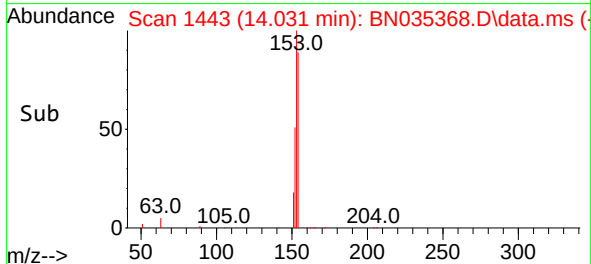
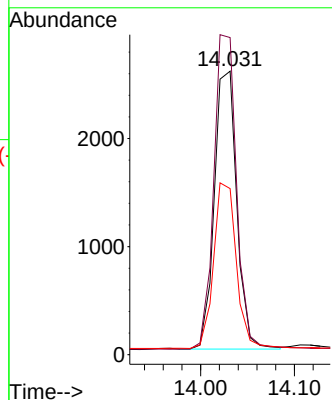
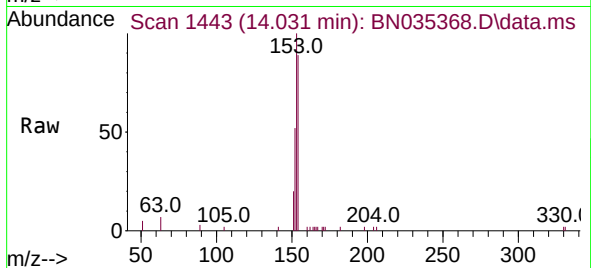
Tgt Ion:154 Resp: 4272

Ion Ratio Lower Upper

154 100

153 115.9 92.6 139.0

152 61.0 49.0 73.6



#18

Fluorene

Concen: 0.392 ng

RT: 15.026 min Scan# 1536

Delta R.T. -0.000 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

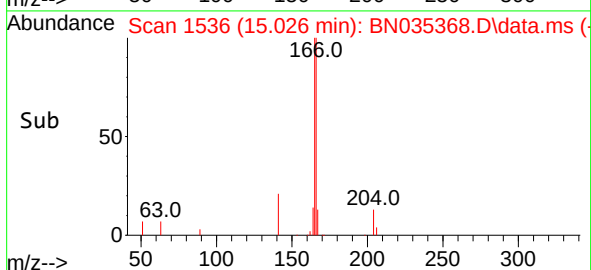
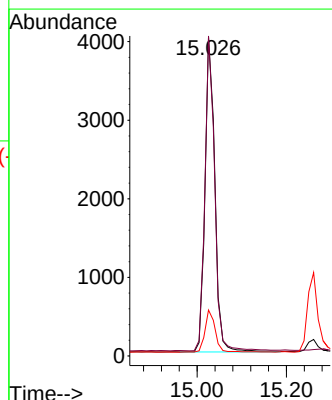
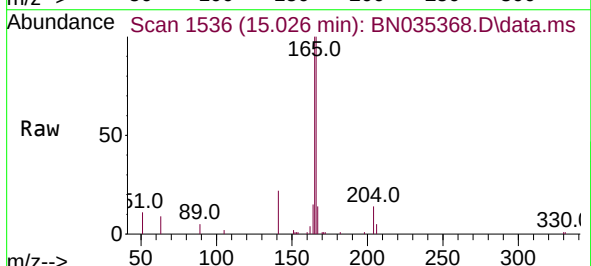
Tgt Ion:166 Resp: 6118

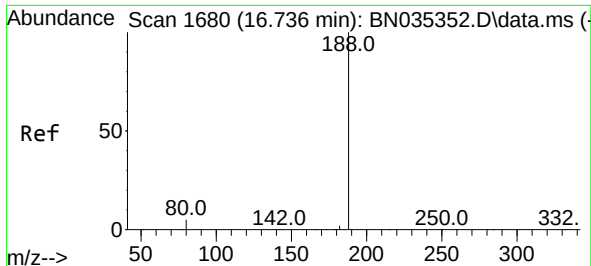
Ion Ratio Lower Upper

166 100

165 99.0 79.7 119.5

167 13.9 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.723 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

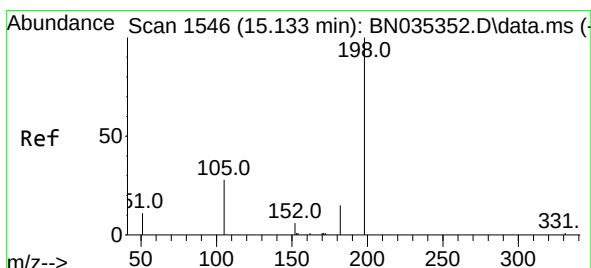
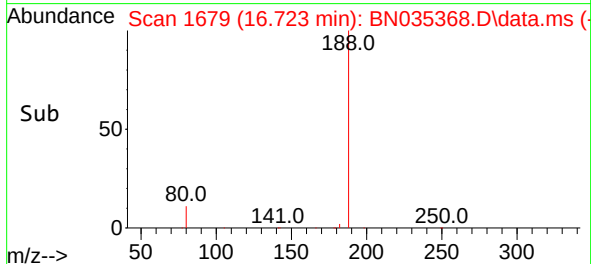
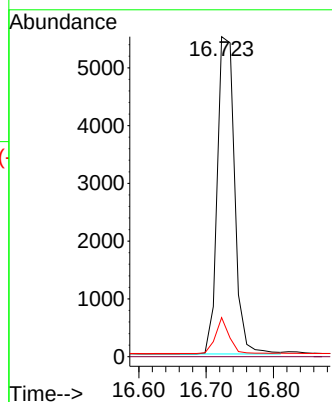
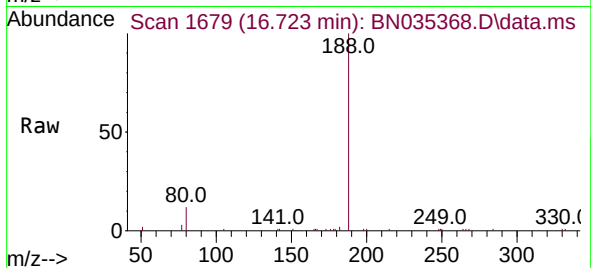
Tgt Ion:188 Resp: 9758

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.2 4.6 6.8#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.364 ng

RT: 15.132 min Scan# 1546

Delta R.T. -0.001 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

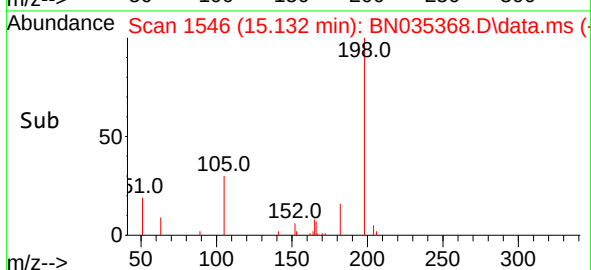
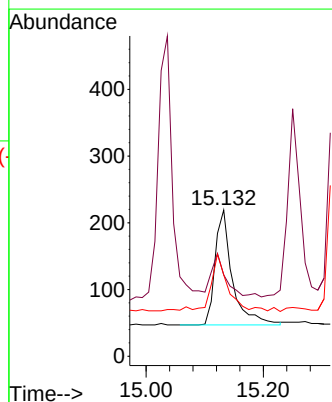
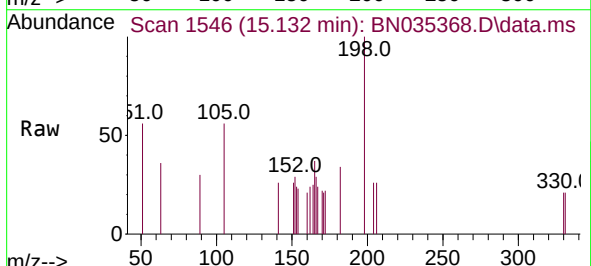
Tgt Ion:198 Resp: 349

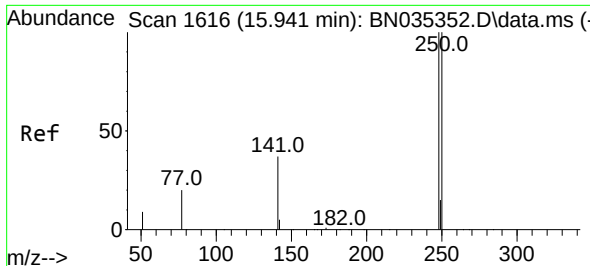
Ion Ratio Lower Upper

198 100

51 55.7 46.5 69.7

105 55.7 45.3 67.9

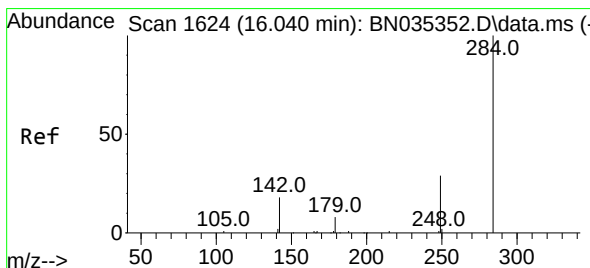
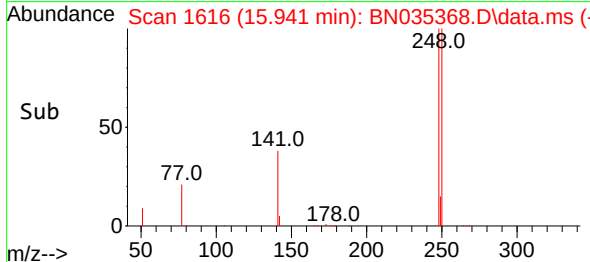
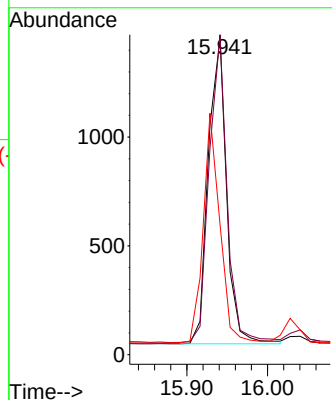
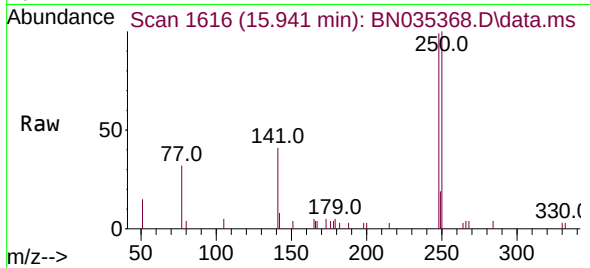




#21
4-Bromophenyl-phenylether
Concen: 0.388 ng
RT: 15.941 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

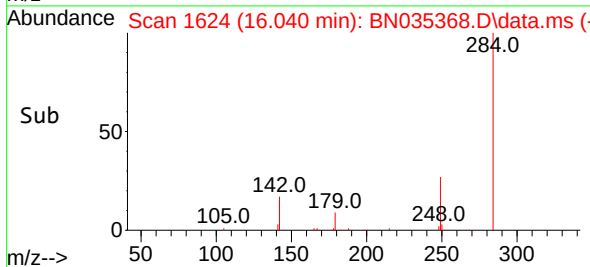
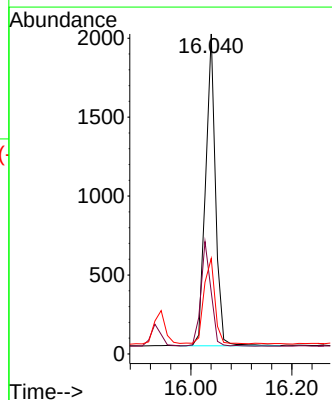
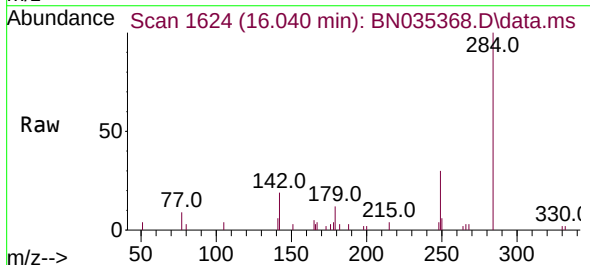
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

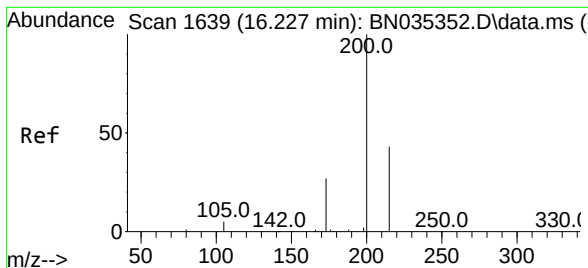
Tgt Ion:248 Resp: 2214
Ion Ratio Lower Upper
248 100
250 101.0 80.6 120.8
141 41.1 31.5 47.3



#22
Hexachlorobenzene
Concen: 0.405 ng
RT: 16.040 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion:284 Resp: 2712
Ion Ratio Lower Upper
284 100
142 34.0 26.7 40.1
249 30.5 24.6 36.8





#23

Atrazine

Concen: 0.362 ng

RT: 16.227 min Scan# 1639

Delta R.T. -0.000 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

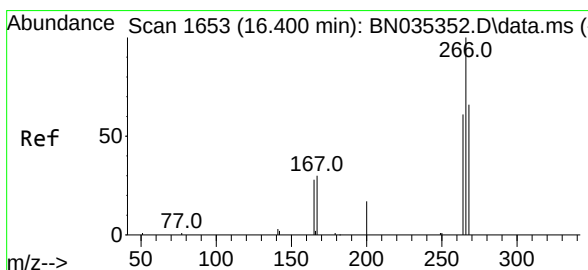
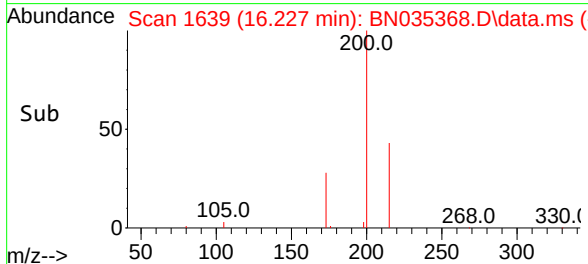
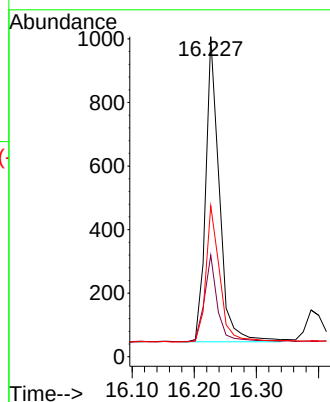
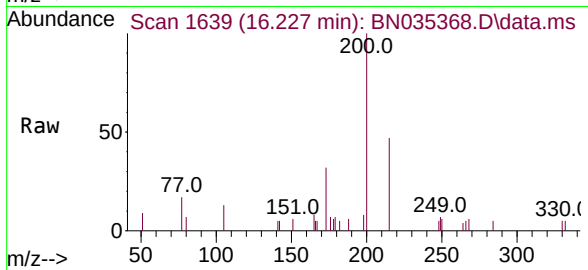
Tgt Ion:200 Resp: 1469

Ion Ratio Lower Upper

200 100

173 31.8 24.1 36.1

215 47.2 36.9 55.3



#24

Pentachlorophenol

Concen: 0.380 ng

RT: 16.400 min Scan# 1653

Delta R.T. -0.000 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

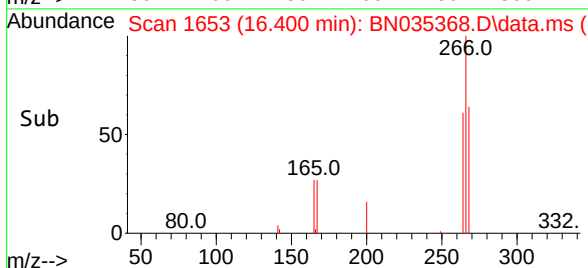
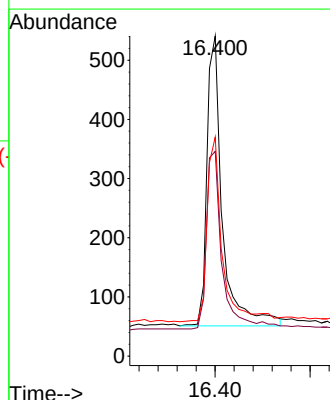
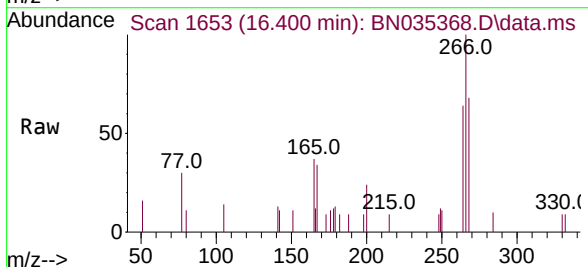
Tgt Ion:266 Resp: 1108

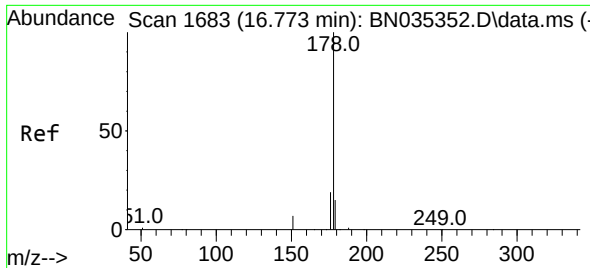
Ion Ratio Lower Upper

266 100

264 62.3 42.3 63.5

268 62.8 43.3 64.9

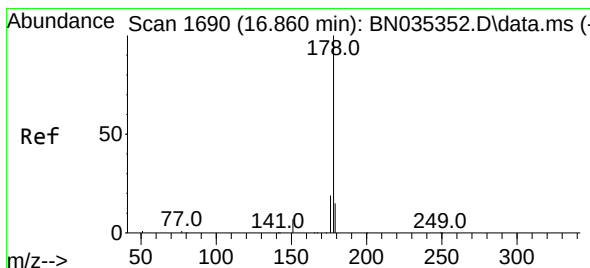
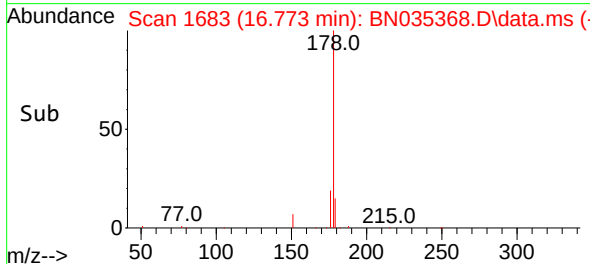
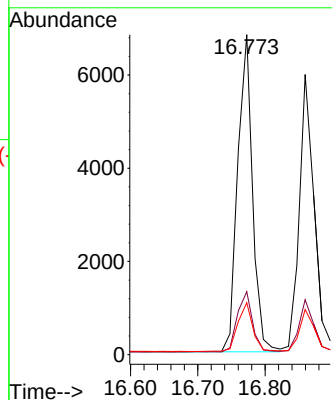
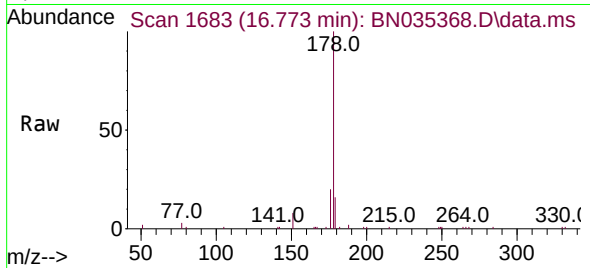




#25
Phenanthrene
Concen: 0.389 ng
RT: 16.773 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

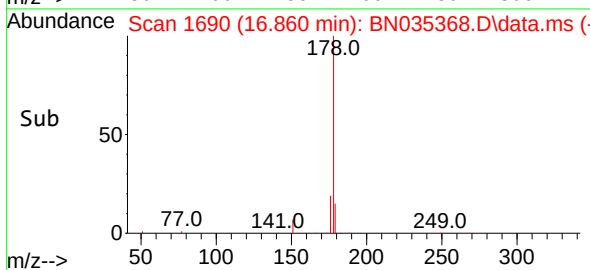
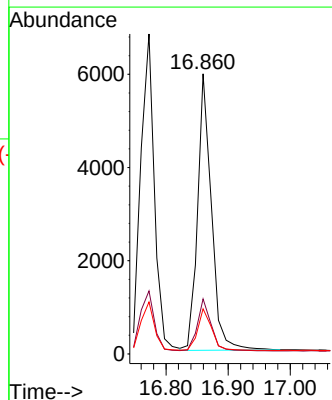
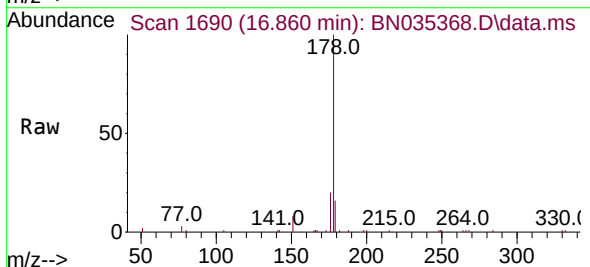
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

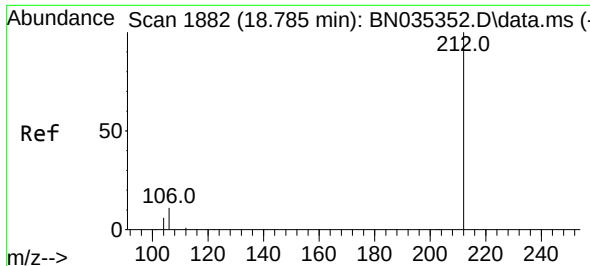
Tgt Ion:178 Resp: 10414
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.4 12.3 18.5



#26
Anthracene
Concen: 0.380 ng
RT: 16.860 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion:178 Resp: 9214
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 15.4 12.6 18.8

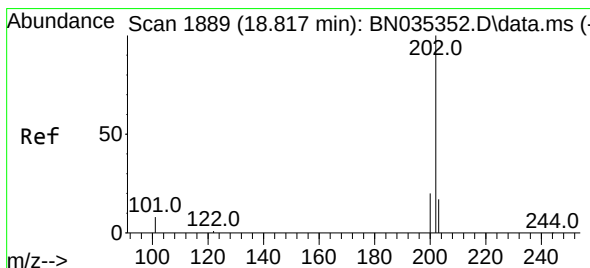
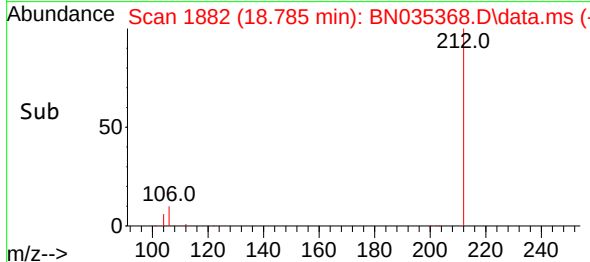
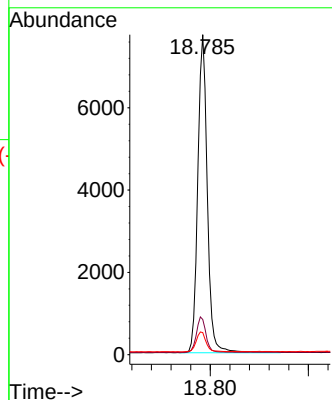
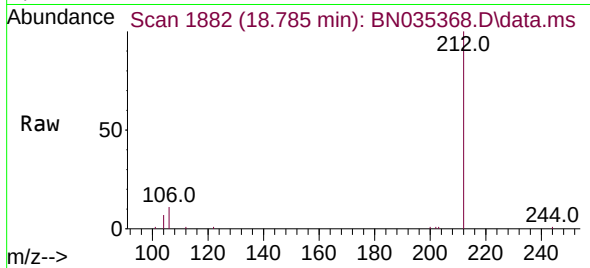




#27
Fluoranthene-d10
Concen: 0.376 ng
RT: 18.785 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

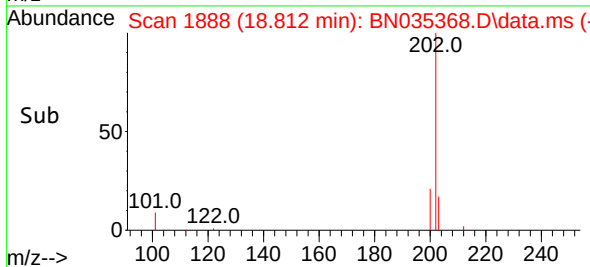
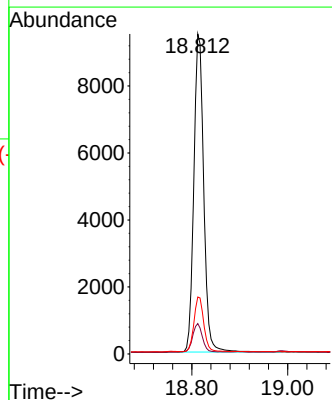
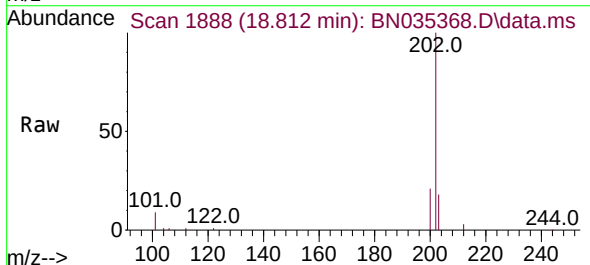
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

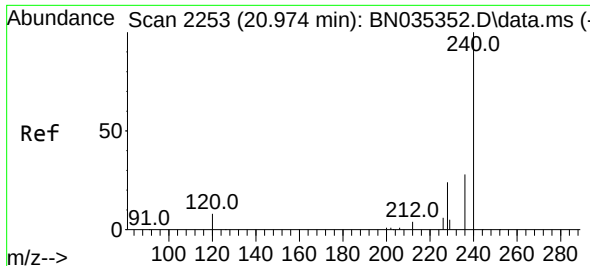
Tgt Ion:212 Resp: 10388
Ion Ratio Lower Upper
212 100
106 11.1 9.2 13.8
104 6.4 5.3 7.9



#28
Fluoranthene
Concen: 0.375 ng
RT: 18.812 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion:202 Resp: 13563
Ion Ratio Lower Upper
202 100
101 9.1 7.4 11.0
203 17.1 13.7 20.5

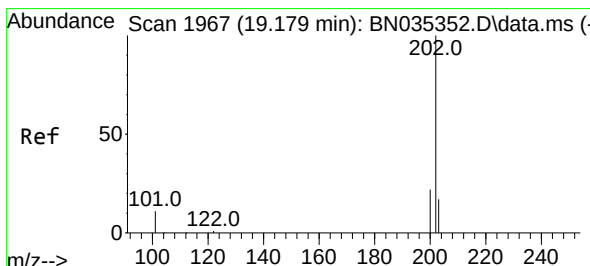
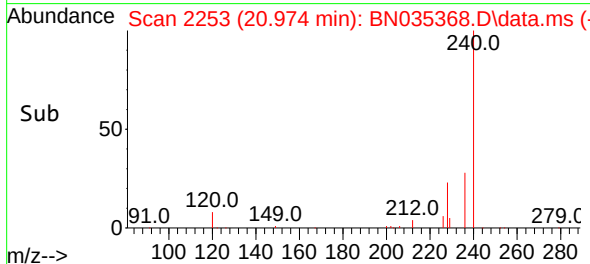
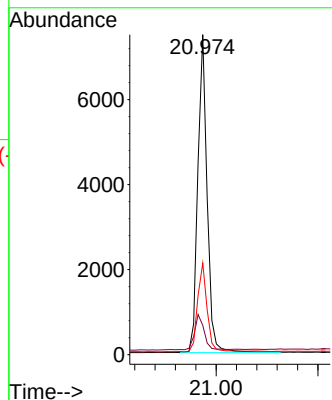
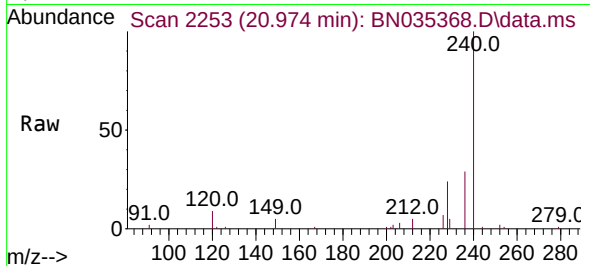




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

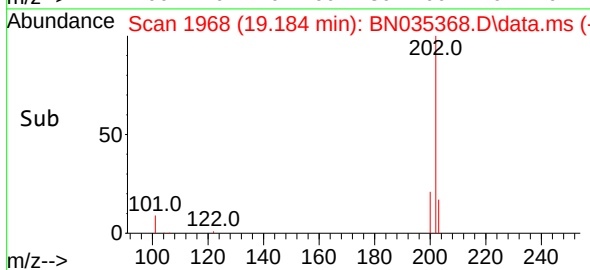
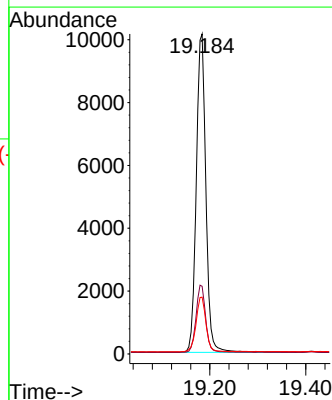
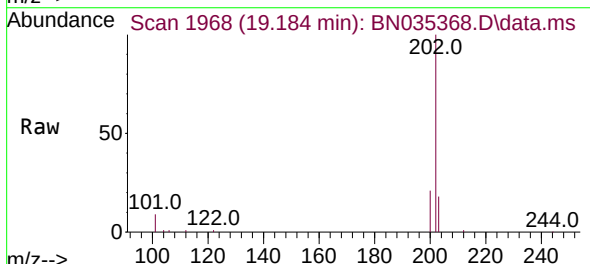
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

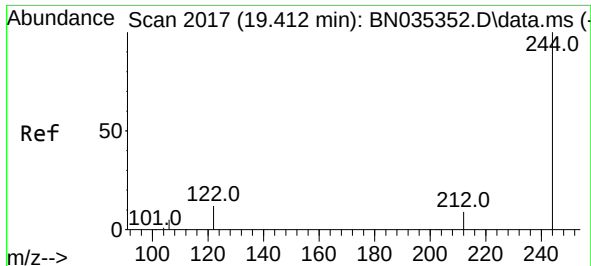
Tgt Ion:240 Resp: 9496
Ion Ratio Lower Upper
240 100
120 9.1 7.9 11.9
236 28.7 22.9 34.3



#30
Pyrene
Concen: 0.404 ng
RT: 19.184 min Scan# 1968
Delta R.T. 0.005 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion:202 Resp: 14155
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 17.7 14.3 21.5

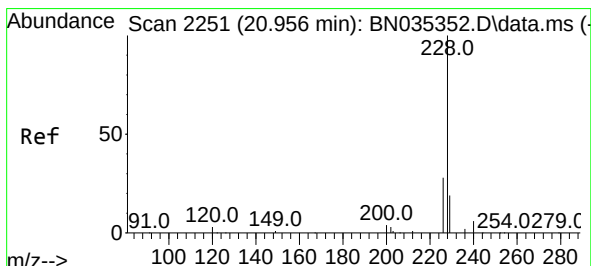
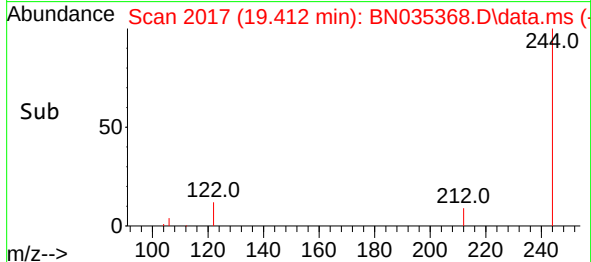
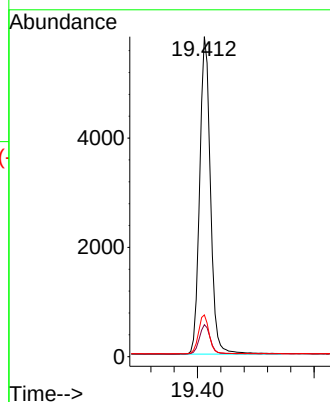
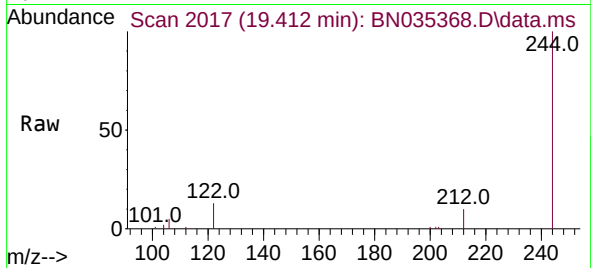




#31
 Terphenyl-d14
 Concen: 0.399 ng
 RT: 19.412 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: BN035368.D
 Acq: 28 Nov 2024 04:51

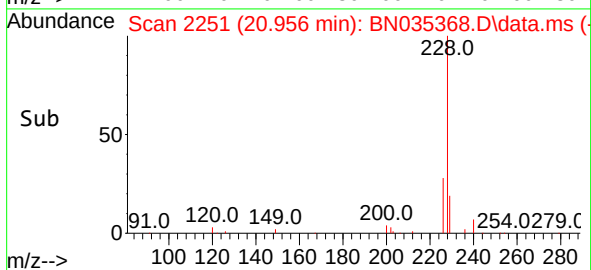
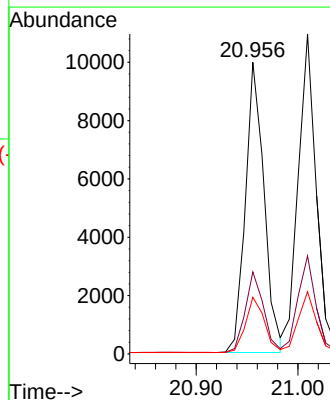
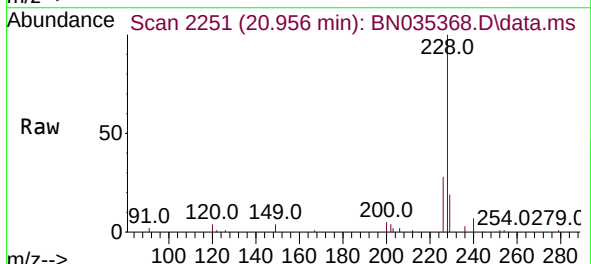
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

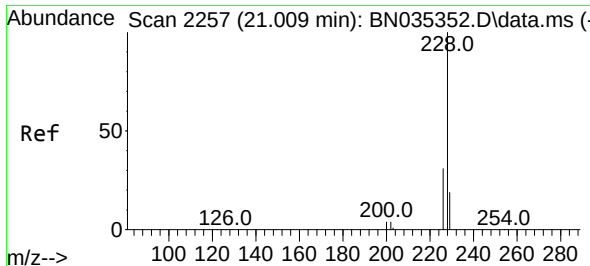
Tgt Ion:244 Resp: 7482
 Ion Ratio Lower Upper
 244 100
 212 10.0 8.1 12.1
 122 13.0 10.3 15.5



#32
 Benzo(a)anthracene
 Concen: 0.381 ng
 RT: 20.956 min Scan# 2251
 Delta R.T. -0.000 min
 Lab File: BN035368.D
 Acq: 28 Nov 2024 04:51

Tgt Ion:228 Resp: 12659
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.5 33.7
 229 19.4 15.8 23.8

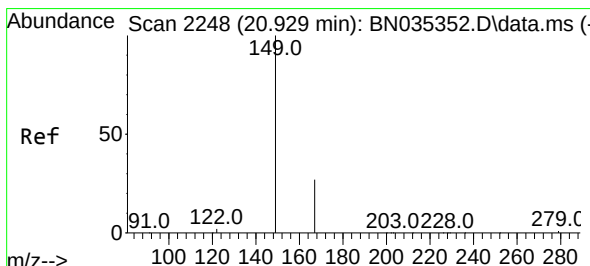
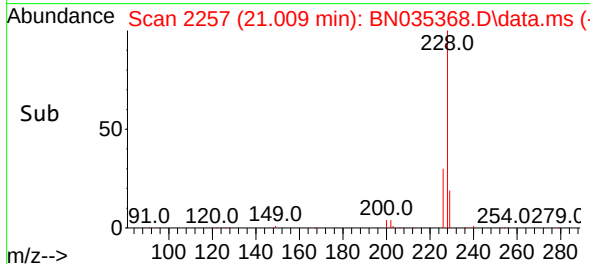
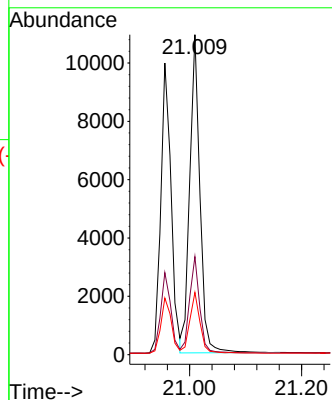
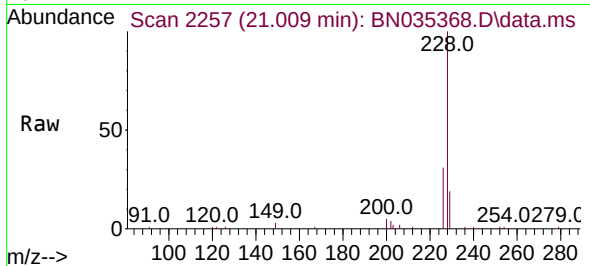




#33
Chrysene
Concen: 0.403 ng
RT: 21.009 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

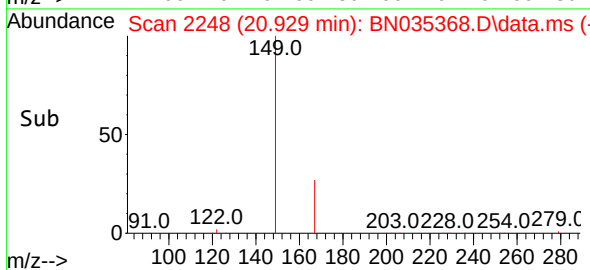
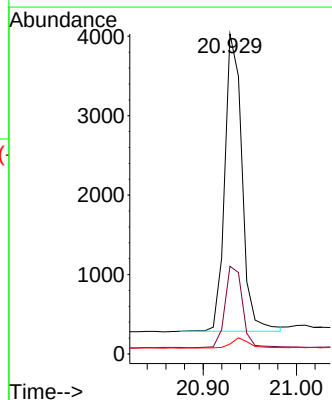
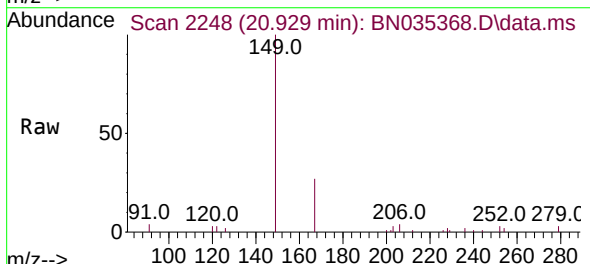
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

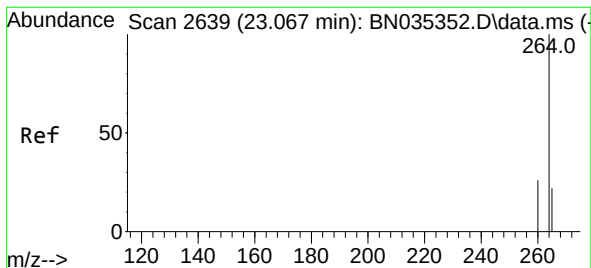
Tgt Ion:228 Resp: 13795
Ion Ratio Lower Upper
228 100
226 30.6 24.6 37.0
229 19.4 15.9 23.9



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.365 ng
RT: 20.929 min Scan# 2248
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion:149 Resp: 4791
Ion Ratio Lower Upper
149 100
167 27.8 22.2 33.4
279 3.9 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.067 min Scan# 2

Delta R.T. -0.000 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

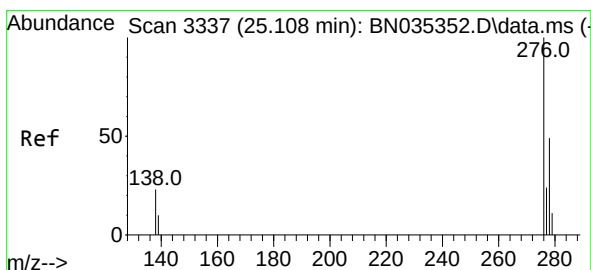
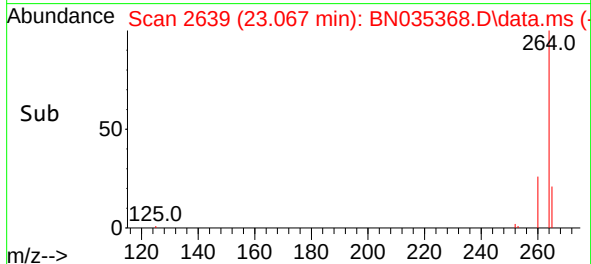
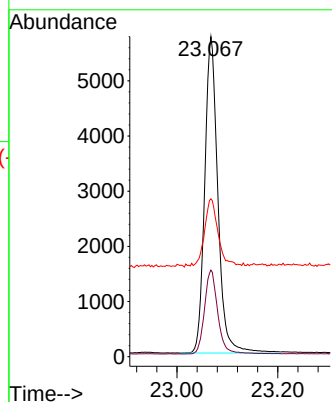
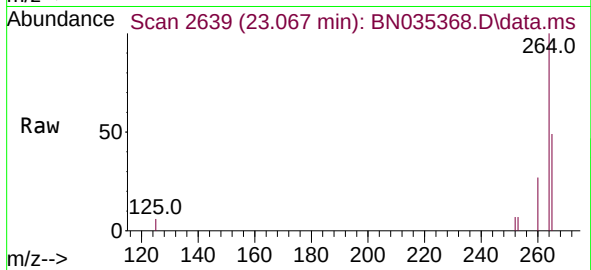
Tgt Ion:264 Resp: 10416

Ion Ratio Lower Upper

264 100

260 27.0 21.4 32.2

265 49.4 40.2 60.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.392 ng

RT: 25.105 min Scan# 3336

Delta R.T. -0.003 min

Lab File: BN035368.D

Acq: 28 Nov 2024 04:51

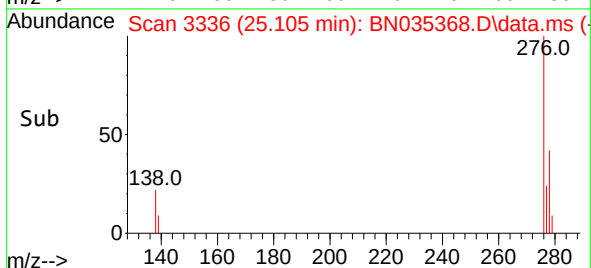
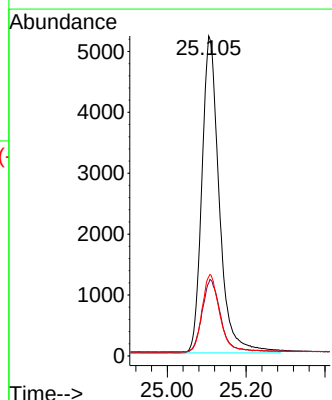
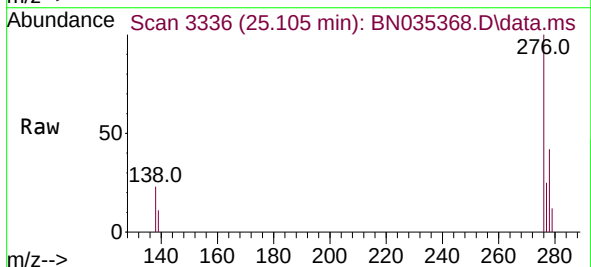
Tgt Ion:276 Resp: 15947

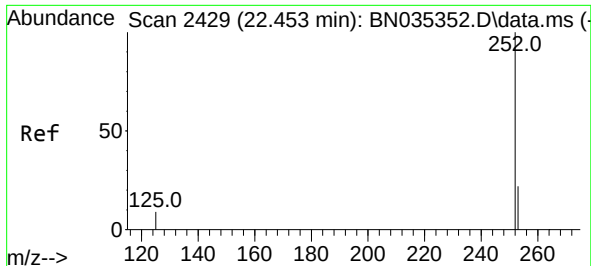
Ion Ratio Lower Upper

276 100

138 23.2 19.4 29.0

277 24.5 19.8 29.6

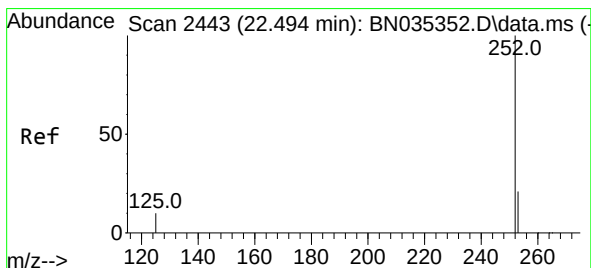
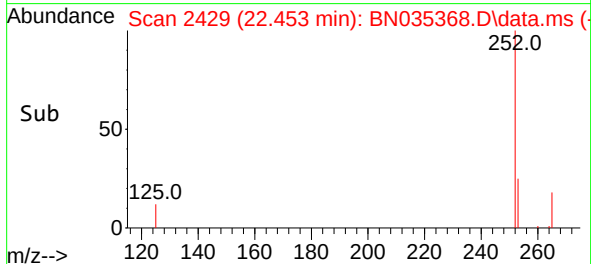
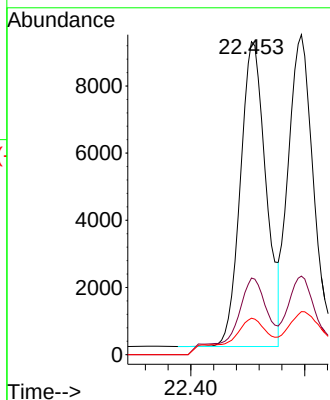
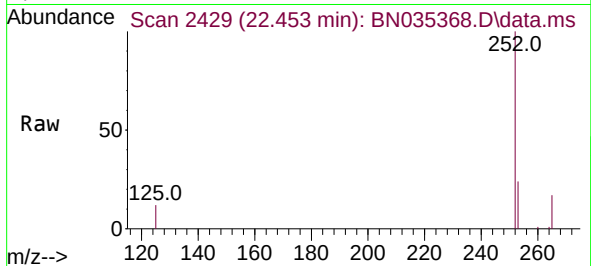




#37
Benzo(b)fluoranthene
Concen: 0.431 ng
RT: 22.453 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

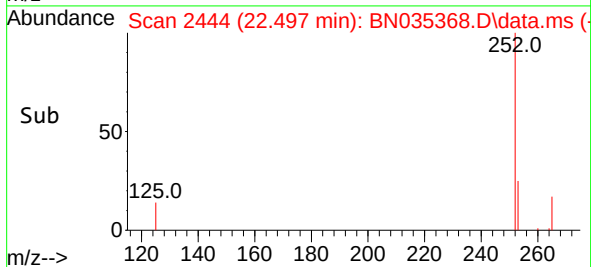
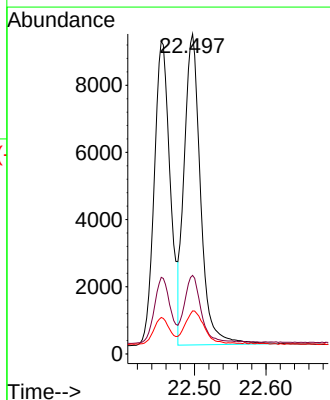
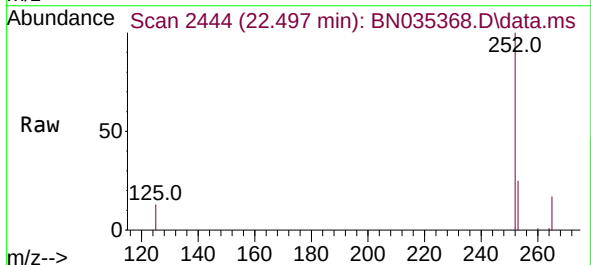
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

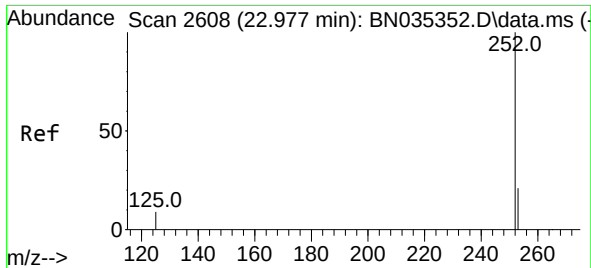
Tgt Ion:252 Resp: 16437
Ion Ratio Lower Upper
252 100
253 24.5 19.6 29.4
125 11.7 9.6 14.4



#38
Benzo(k)fluoranthene
Concen: 0.391 ng
RT: 22.497 min Scan# 2444
Delta R.T. 0.003 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Tgt Ion:252 Resp: 14678
Ion Ratio Lower Upper
252 100
253 24.6 19.5 29.3
125 13.4 10.2 15.4

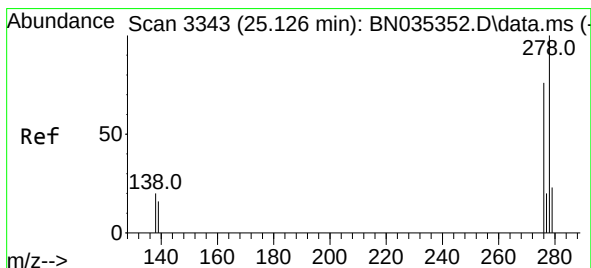
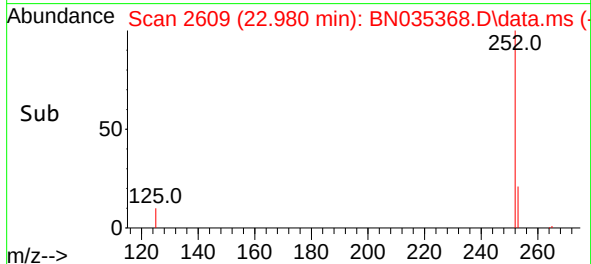
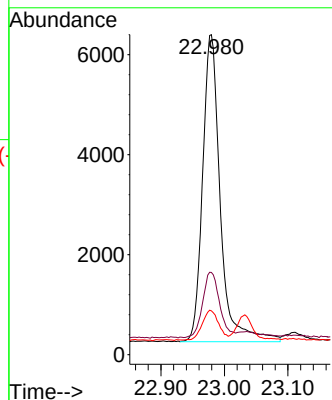
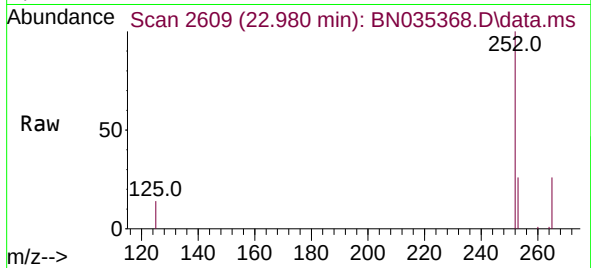




#39
Benzo(a)pyrene
Concen: 0.378 ng
RT: 22.980 min Scan# 2609
Delta R.T. 0.003 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

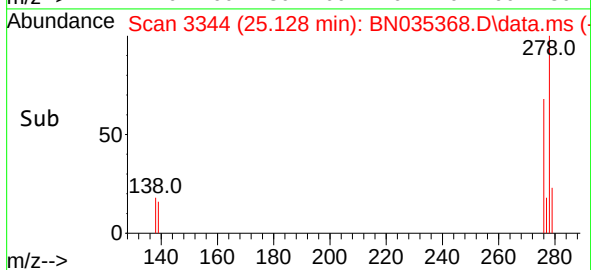
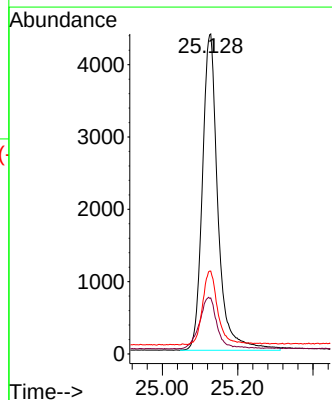
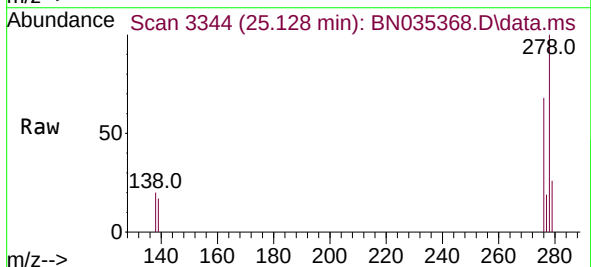
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

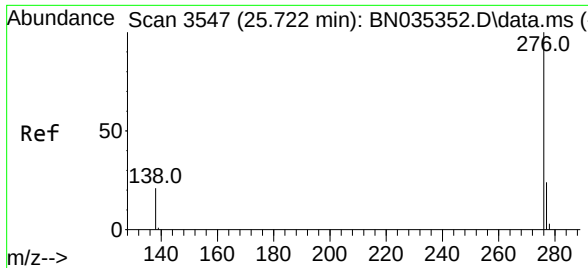
Tgt Ion:252 Resp: 11871
Ion Ratio Lower Upper
252 100
253 25.7 20.2 30.4
125 13.7 10.9 16.3



#40
Dibenzo(a,h)anthracene
Concen: 0.390 ng
RT: 25.128 min Scan# 3344
Delta R.T. 0.003 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

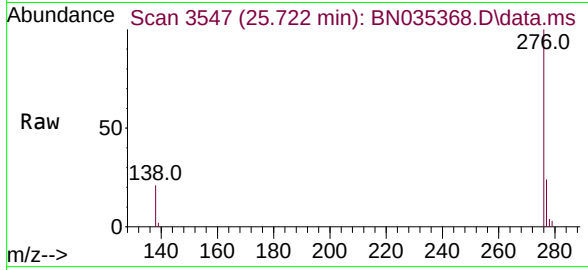
Tgt Ion:278 Resp: 12541
Ion Ratio Lower Upper
278 100
139 17.5 14.2 21.4
279 25.9 20.5 30.7



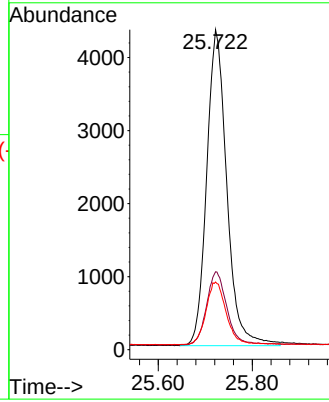
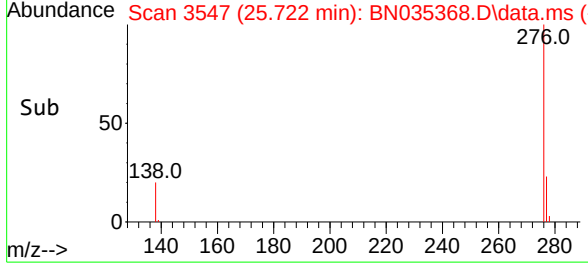


#41
Benzo(g,h,i)perylene
Concen: 0.383 ng
RT: 25.722 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN035368.D
Acq: 28 Nov 2024 04:51

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4



Tgt Ion:	276	Resp:	12859
Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.9	29.9
138	21.2	17.8	26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035369.D
 Acq On : 28 Nov 2024 05:27
 Operator : RC/JU
 Sample : PB165198BL
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB165198BL

Quant Time: Nov 28 06:02:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2540	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	6378	0.400	ng	# 0.01
13) Acenaphthene-d10	13.967	164	4630	0.400	ng	0.00
19) Phenanthrene-d10	16.735	188	11721	0.400	ng	0.00
29) Chrysene-d12	20.974	240	10667	0.400	ng	0.00
35) Perylene-d12	23.070	264	11480	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	2145	0.337	ng	0.00
5) Phenol-d6	6.513	99	2450	0.320	ng	0.00
8) Nitrobenzene-d5	8.440	82	1657	0.425	ng	0.00
11) 2-Methylnaphthalene-d10	11.661	152	4167	0.417	ng	0.00
14) 2,4,6-Tribromophenol	15.485	330	675	0.205	ng	0.01
15) 2-Fluorobiphenyl	12.579	172	6893	0.394	ng	0.00
27) Fluoranthene-d10	18.784	212	13454	0.405	ng	0.00
31) Terphenyl-d14	19.412	244	10274	0.488	ng	0.00

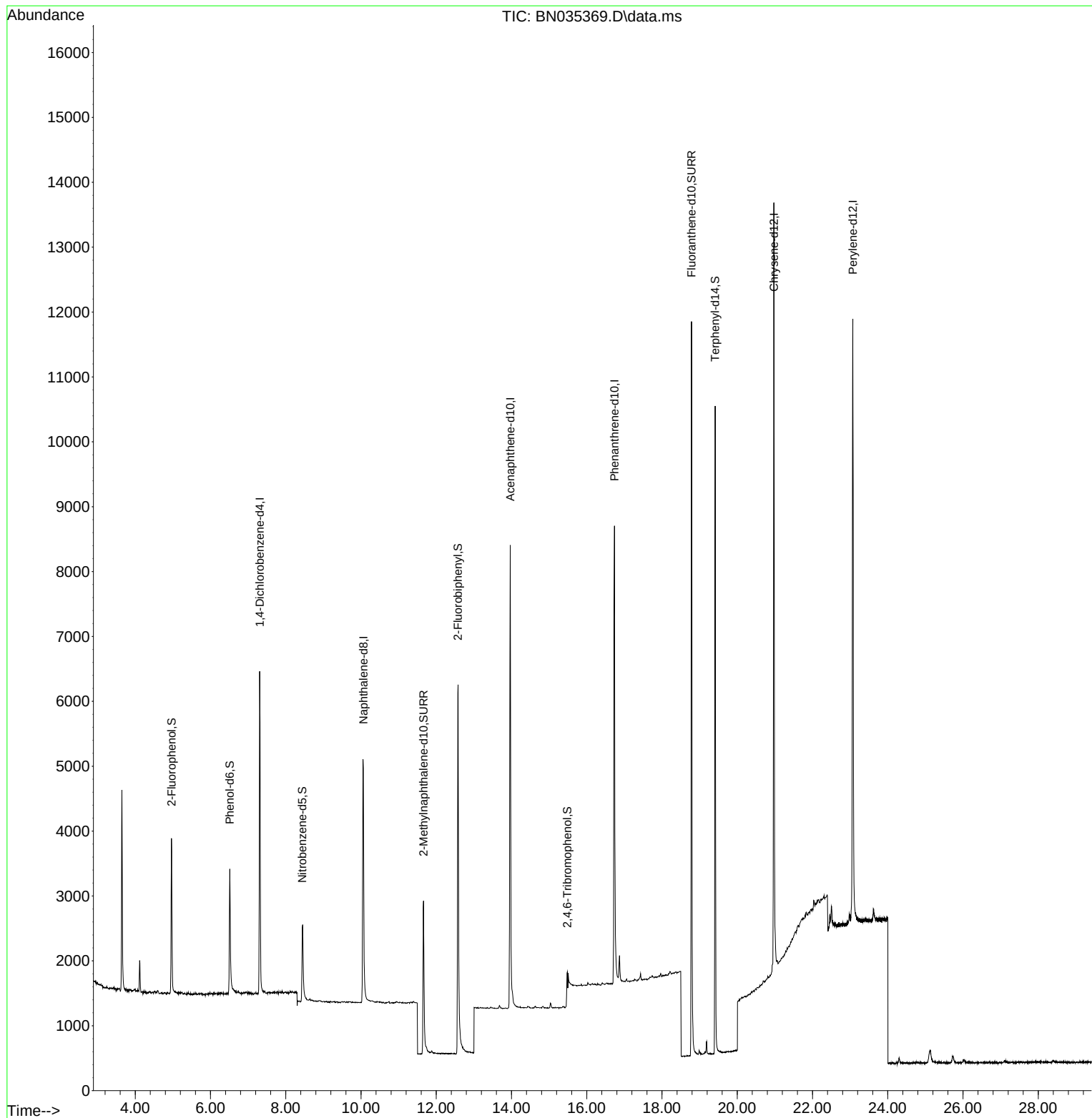
Target Compounds Qvalue

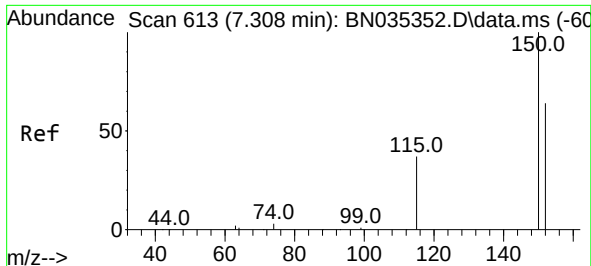
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035369.D
Acq On : 28 Nov 2024 05:27
Operator : RC/JU
Sample : PB165198BL
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB165198BL

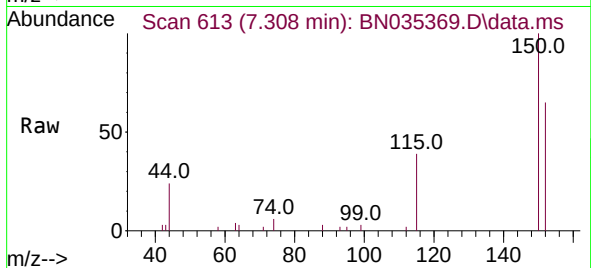
Quant Time: Nov 28 06:02:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration





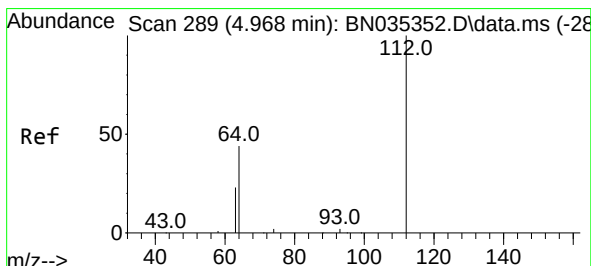
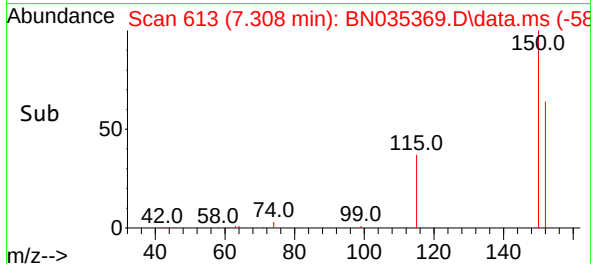
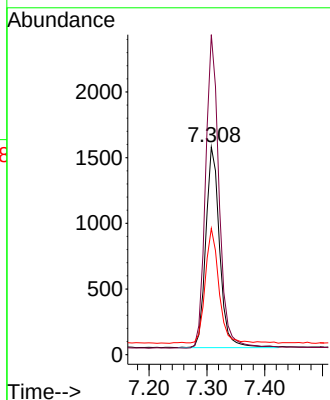
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.308 min Scan# 613
 Delta R.T. -0.000 min
 Lab File: BN035369.D
 Acq: 28 Nov 2024 05:27

Instrument :
 BNA_N
 ClientSampleId :
 PB165198BL



Tgt Ion:152 Resp: 2540

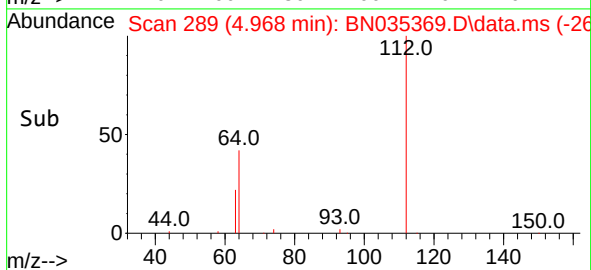
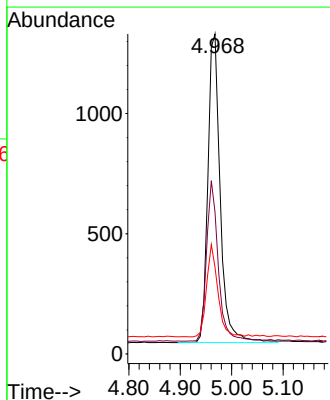
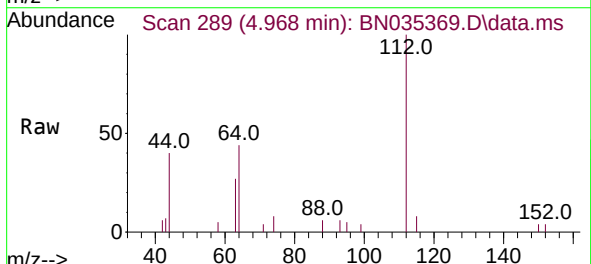
Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.0	186.0
115	60.8	49.6	74.4

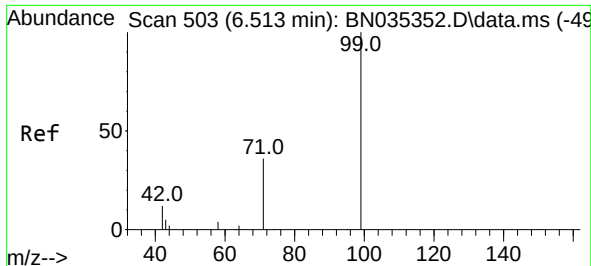


#4
 2-Fluorophenol
 Concen: 0.337 ng
 RT: 4.968 min Scan# 289
 Delta R.T. -0.000 min
 Lab File: BN035369.D
 Acq: 28 Nov 2024 05:27

Tgt Ion:112 Resp: 2145

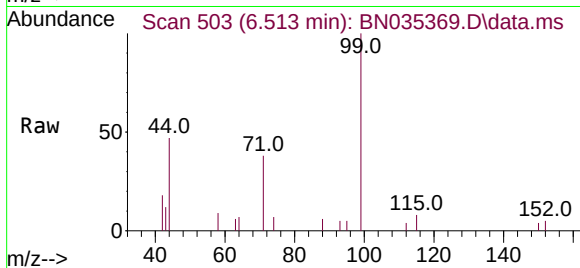
Ion	Ratio	Lower	Upper
112	100		
64	49.6	39.8	59.8
63	27.3	21.0	31.6



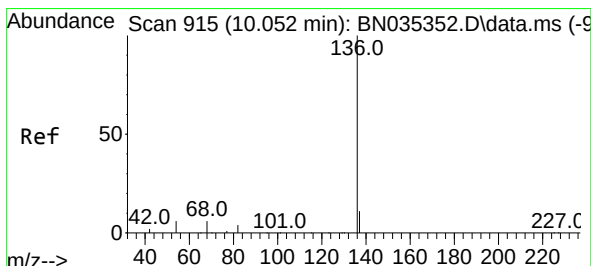
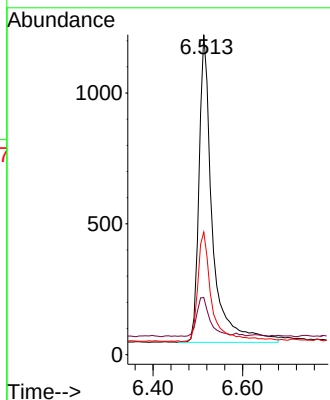
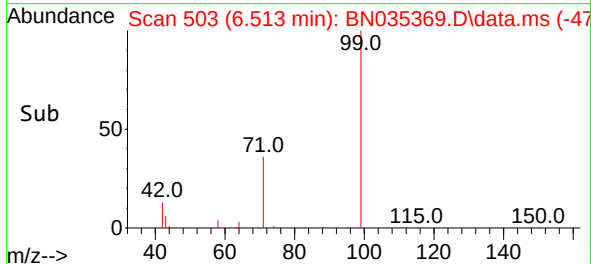


#5
Phenol-d6
Concen: 0.320 ng
RT: 6.513 min Scan# 503
Delta R.T. -0.000 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

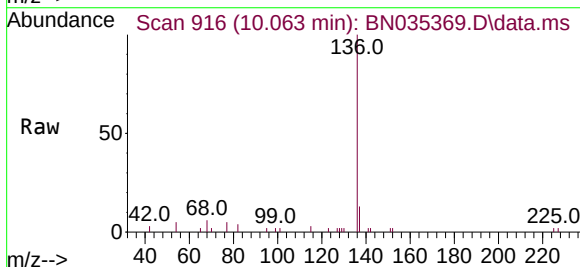
Instrument :
BNA_N
ClientSampleId :
PB165198BL



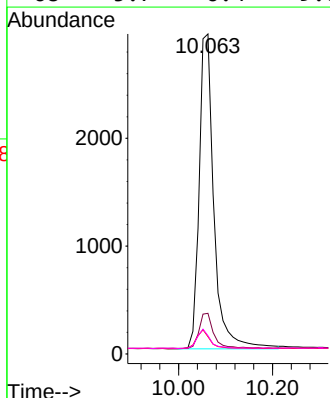
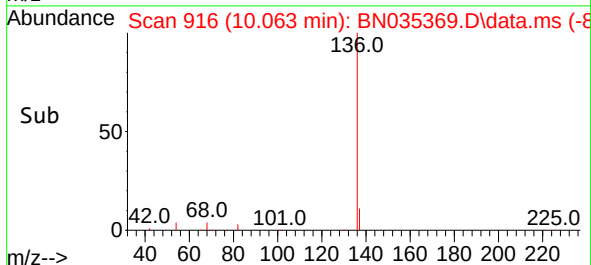
Tgt Ion:	99	Resp:	2450
Ion	Ratio	Lower	Upper
99	100		
42	12.3	11.4	17.2
71	37.2	29.3	43.9

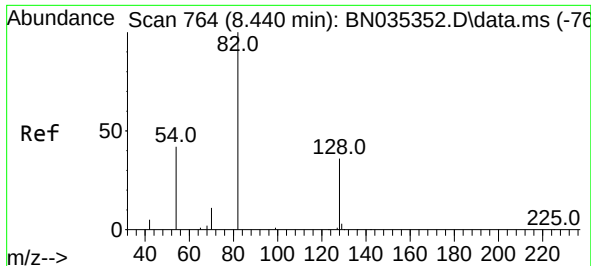


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. 0.011 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27



Tgt Ion:	136	Resp:	6378
Ion	Ratio	Lower	Upper
136	100		
137	12.7	10.2	15.2
54	5.4	6.1	9.1#
68	5.7	6.4	9.6#

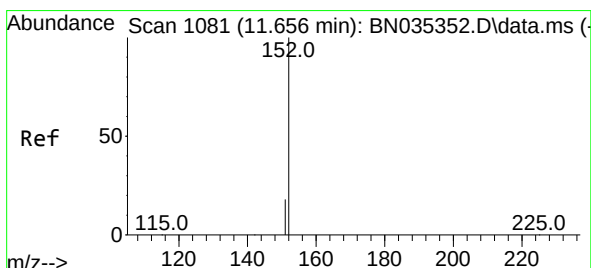
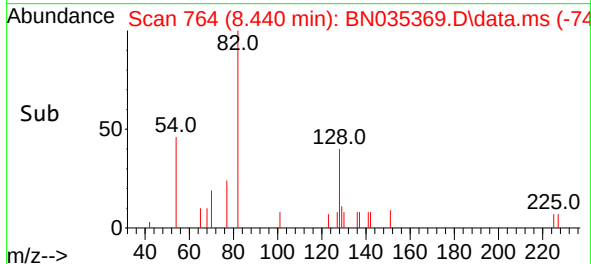
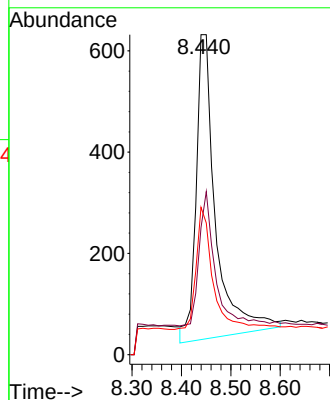
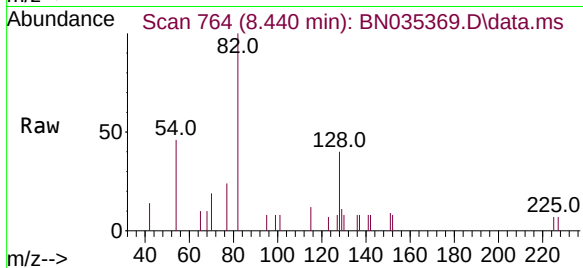




#8
Nitrobenzene-d5
Concen: 0.425 ng
RT: 8.440 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

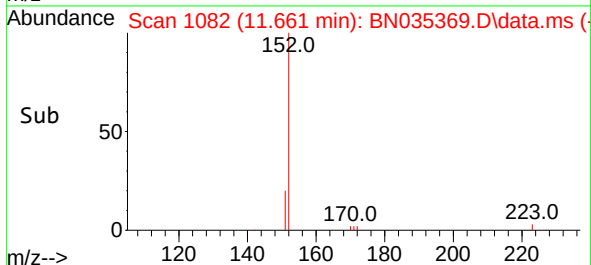
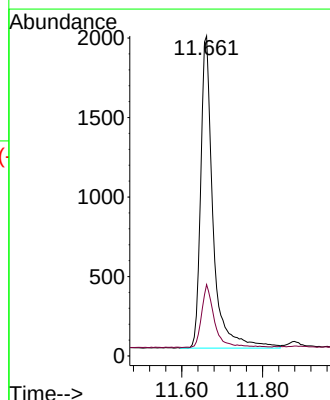
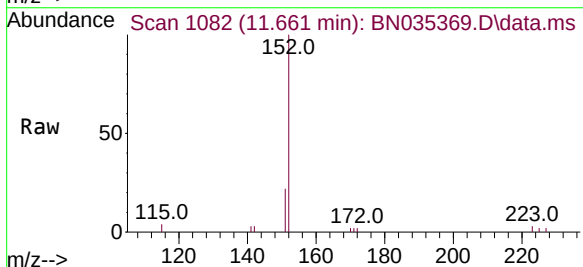
Instrument :
BNA_N
ClientSampleId :
PB165198BL

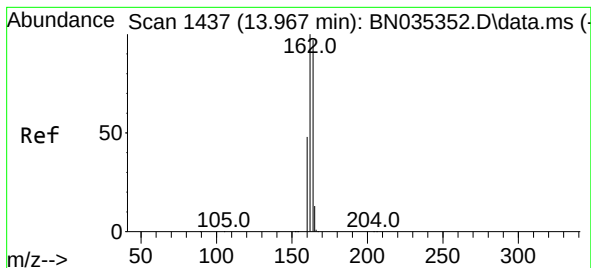
Tgt Ion: 82 Resp: 1657
Ion Ratio Lower Upper
82 100
128 39.7 33.4 50.0
54 46.0 36.7 55.1



#11
2-Methylnaphthalene-d10
Concen: 0.417 ng
RT: 11.661 min Scan# 1082
Delta R.T. 0.005 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

Tgt Ion: 152 Resp: 4167
Ion Ratio Lower Upper
152 100
151 19.9 16.6 25.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.967 min Scan# 14

Delta R.T. -0.000 min

Lab File: BN035369.D

Acq: 28 Nov 2024 05:27

Instrument :

BNA_N

ClientSampleId :

PB165198BL

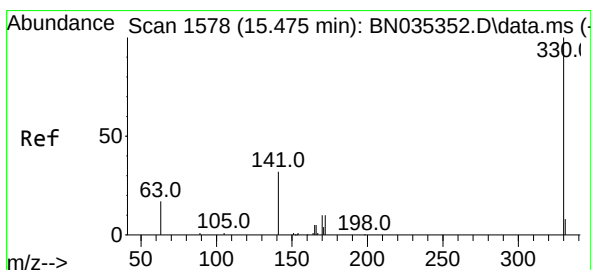
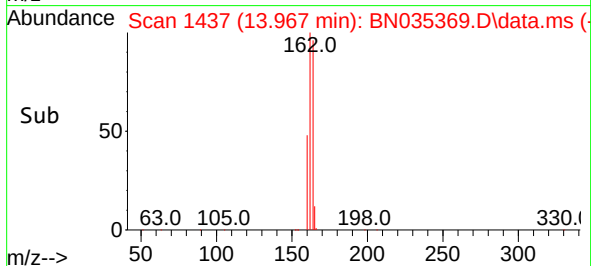
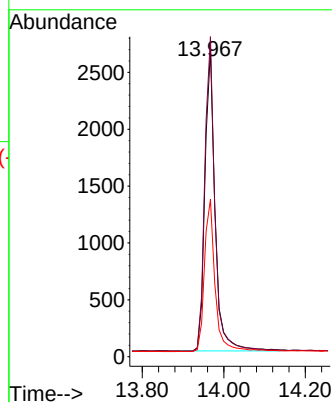
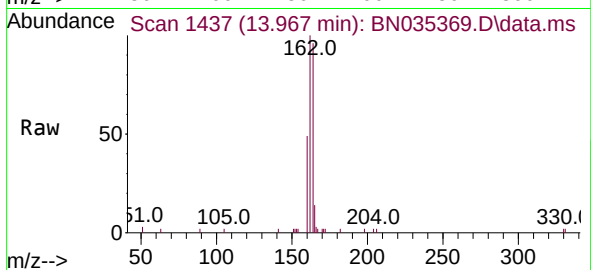
Tgt Ion:164 Resp: 4630

Ion Ratio Lower Upper

164 100

162 104.4 82.2 123.2

160 51.4 40.1 60.1



#14

2,4,6-Tribromophenol

Concen: 0.205 ng

RT: 15.485 min Scan# 1579

Delta R.T. 0.011 min

Lab File: BN035369.D

Acq: 28 Nov 2024 05:27

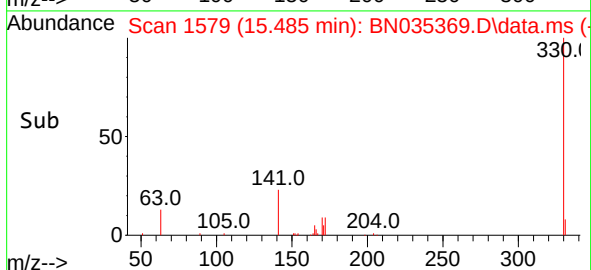
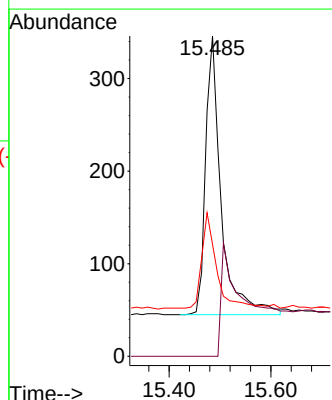
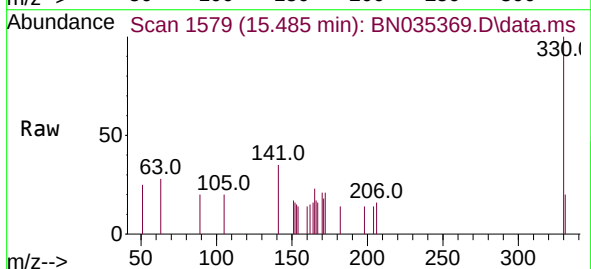
Tgt Ion:330 Resp: 675

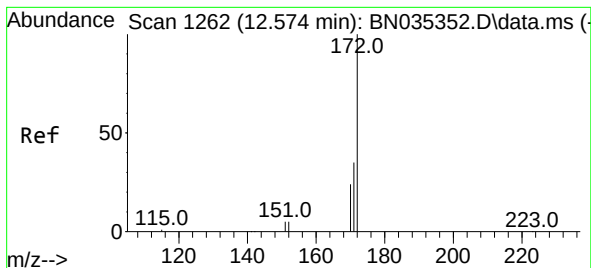
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 33.8 26.6 40.0





#15

2-Fluorobiphenyl

Concen: 0.394 ng

RT: 12.579 min Scan# 1263

Delta R.T. 0.005 min

Lab File: BN035369.D

Acq: 28 Nov 2024 05:27

Instrument :

BNA_N

ClientSampleId :

PB165198BL

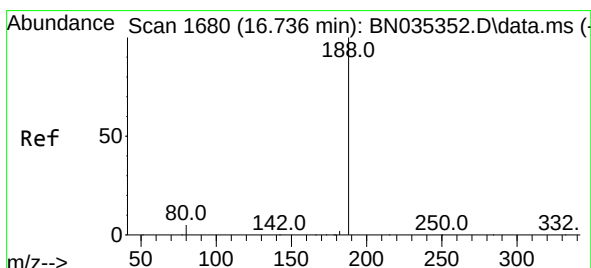
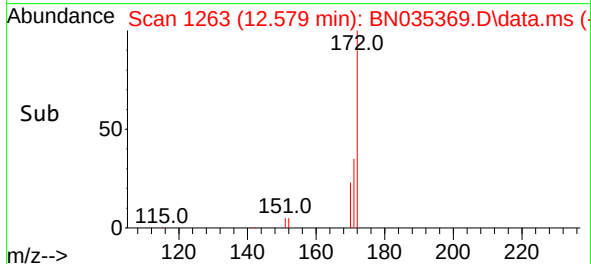
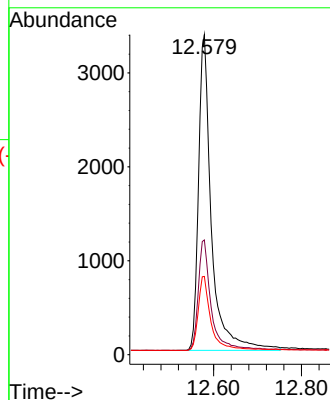
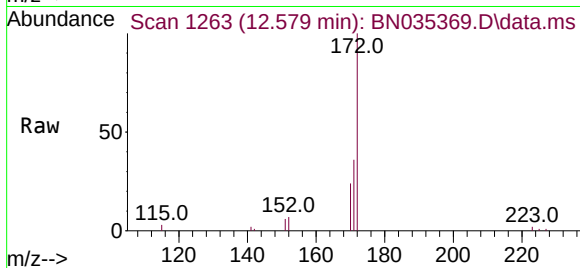
Tgt Ion:172 Resp: 6893

Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.4

170 24.5 19.8 29.8



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.735 min Scan# 1680

Delta R.T. -0.000 min

Lab File: BN035369.D

Acq: 28 Nov 2024 05:27

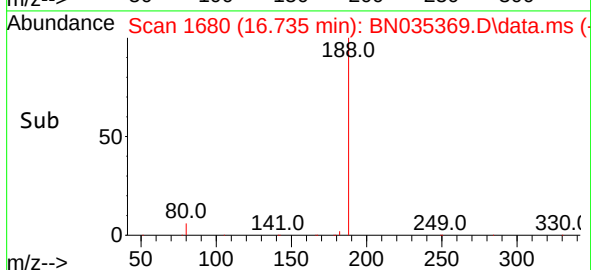
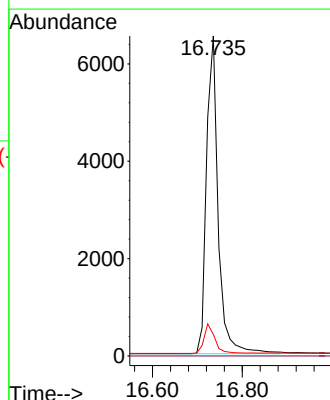
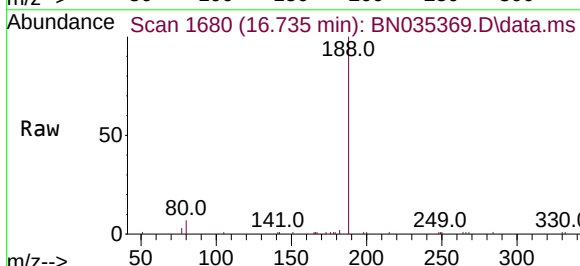
Tgt Ion:188 Resp: 11721

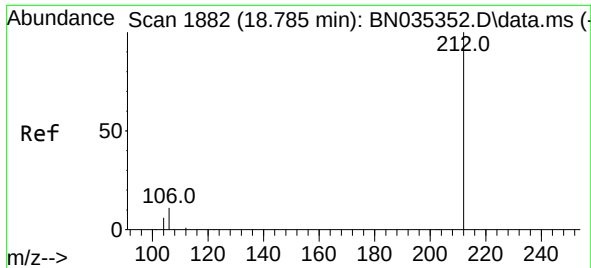
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.8 4.6 6.8

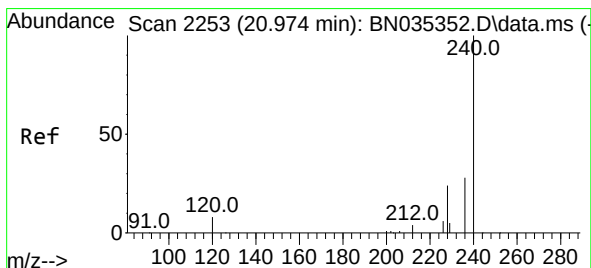
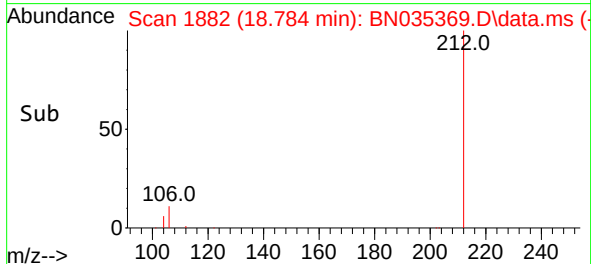
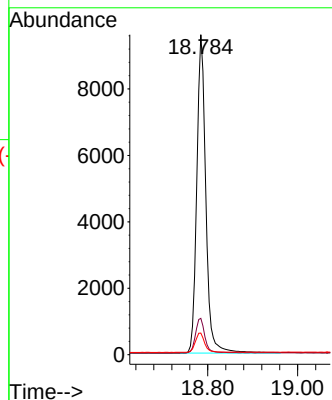
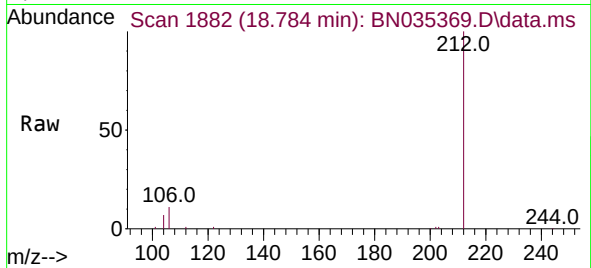




#27
Fluoranthene-d10
Concen: 0.405 ng
RT: 18.784 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

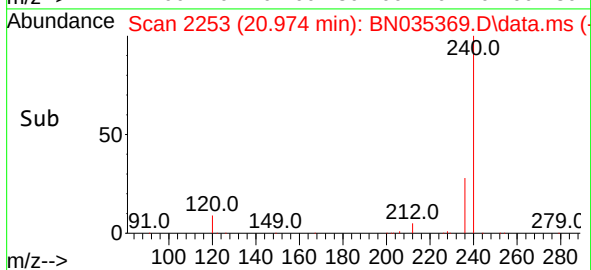
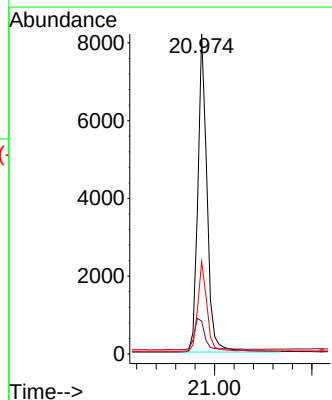
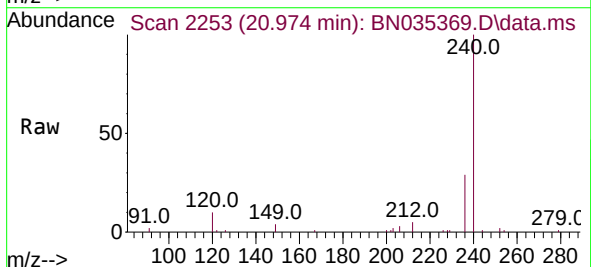
Instrument :
BNA_N
ClientSampleId :
PB165198BL

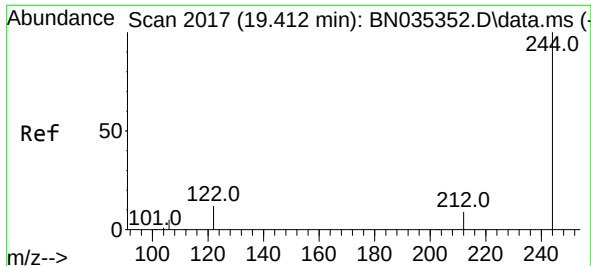
Tgt Ion:212 Resp: 13454
Ion Ratio Lower Upper
212 100
106 10.9 9.2 13.8
104 6.2 5.3 7.9



#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 2253
Delta R.T. -0.000 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

Tgt Ion:240 Resp: 10667
Ion Ratio Lower Upper
240 100
120 10.3 7.9 11.9
236 28.8 22.9 34.3

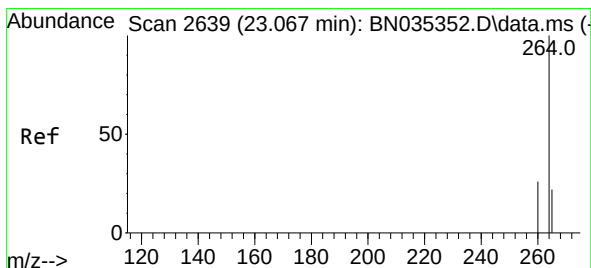
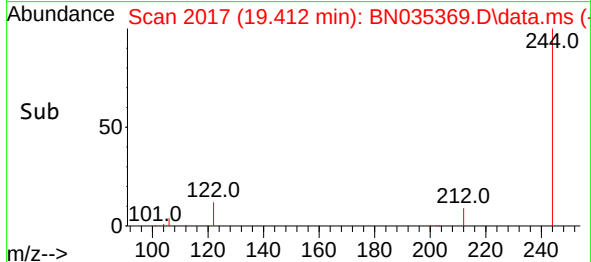
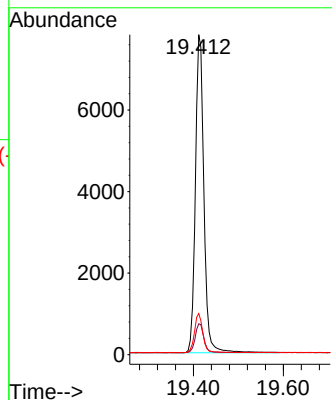
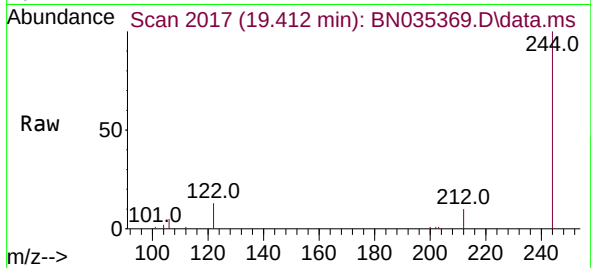




#31
Terphenyl-d14
Concen: 0.488 ng
RT: 19.412 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

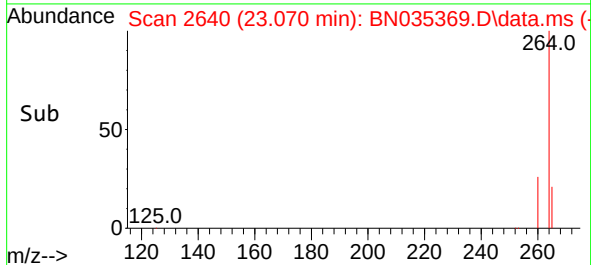
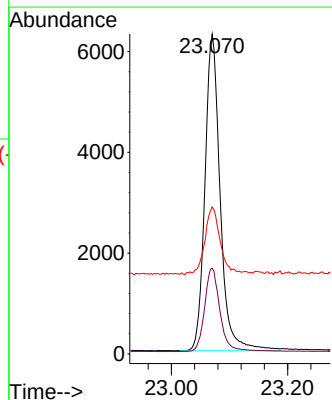
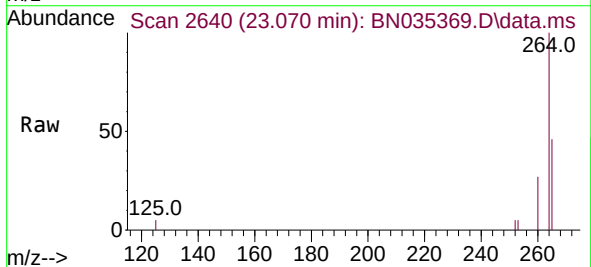
Instrument :
BNA_N
ClientSampleId :
PB165198BL

Tgt Ion:244 Resp: 10274
Ion Ratio Lower Upper
244 100
212 9.7 8.1 12.1
122 12.8 10.3 15.5



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.070 min Scan# 2640
Delta R.T. 0.003 min
Lab File: BN035369.D
Acq: 28 Nov 2024 05:27

Tgt Ion:264 Resp: 11480
Ion Ratio Lower Upper
264 100
260 26.8 21.4 32.2
265 46.0 40.2 60.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035370.D
 Acq On : 28 Nov 2024 06:03
 Operator : RC/JU
 Sample : PB165198BS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB165198BS

Quant Time: Nov 28 06:28:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

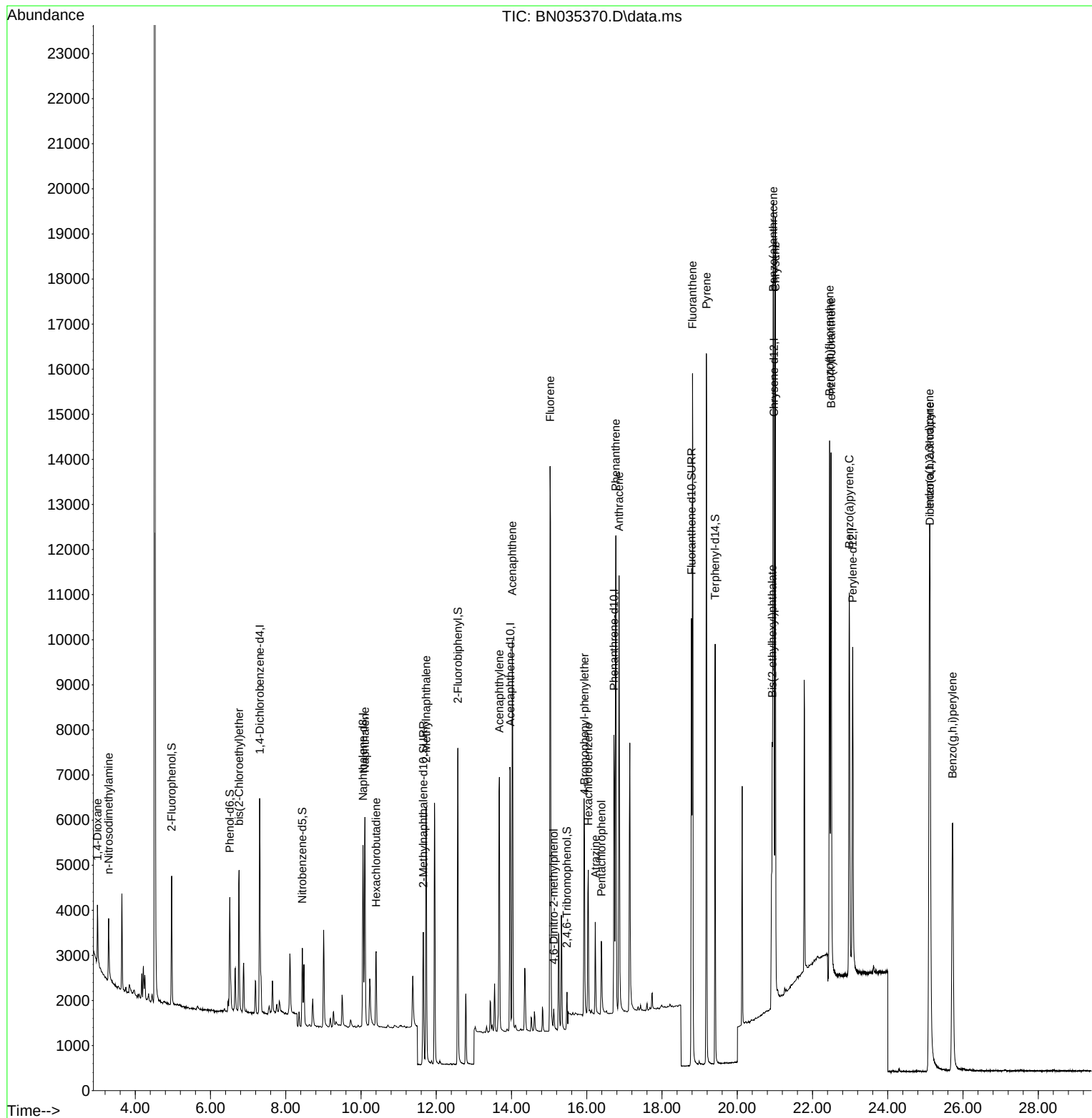
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2262	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5496	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	3686	0.400	ng	0.00
19) Phenanthrene-d10	16.723	188	9203	0.400	ng	#-0.01
29) Chrysene-d12	20.974	240	8666	0.400	ng	0.00
35) Perylene-d12	23.067	264	8924	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	2290	0.405	ng	0.00
5) Phenol-d6	6.513	99	2626	0.386	ng	0.00
8) Nitrobenzene-d5	8.440	82	1716	0.511	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	4975	0.578	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	735	0.281	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	6624	0.475	ng	0.00
27) Fluoranthene-d10	18.785	212	11970	0.459	ng	0.00
31) Terphenyl-d14	19.412	244	8912	0.521	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.996	88	876	0.405	ng	# 74
3) n-Nitrosodimethylamine	3.292	42	799	0.444	ng	# 91
6) bis(2-Chloroethyl)ether	6.759	93	2447	0.428	ng	100
9) Naphthalene	10.105	128	6241	0.431	ng	100
10) Hexachlorobutadiene	10.404	225	1469	0.439	ng	# 99
12) 2-Methylnaphthalene	11.732	142	4378	0.422	ng	98
16) Acenaphthylene	13.679	152	7040	0.455	ng	99
17) Acenaphthene	14.021	154	4456	0.434	ng	100
18) Fluorene	15.026	166	6228	0.423	ng	100
20) 4,6-Dinitro-2-methylph...	15.122	198	411	0.454	ng	91
21) 4-Bromophenyl-phenylether	15.941	248	2303	0.428	ng	97
22) Hexachlorobenzene	16.041	284	2710	0.429	ng	99
23) Atrazine	16.227	200	1548	0.404	ng	98
24) Pentachlorophenol	16.388	266	950	0.345	ng	87
25) Phenanthrene	16.773	178	11082	0.438	ng	100
26) Anthracene	16.860	178	10144	0.444	ng	100
28) Fluoranthene	18.813	202	13705	0.402	ng	100
30) Pyrene	19.180	202	14204	0.444	ng	100
32) Benzo(a)anthracene	20.956	228	13138	0.433	ng	100
33) Chrysene	21.010	228	14112	0.451	ng	99
34) Bis(2-ethylhexyl)phtha...	20.929	149	4912	0.410	ng	100
36) Indeno(1,2,3-cd)pyrene	25.108	276	15213	0.436	ng	99
37) Benzo(b)fluoranthene	22.453	252	16020	0.491	ng	99
38) Benzo(k)fluoranthene	22.494	252	14448	0.450	ng	99
39) Benzo(a)pyrene	22.977	252	12434	0.462	ng	99
40) Dibenzo(a,h)anthracene	25.123	278	11913	0.433	ng	99
41) Benzo(g,h,i)perylene	25.719	276	11556	0.402	ng	100

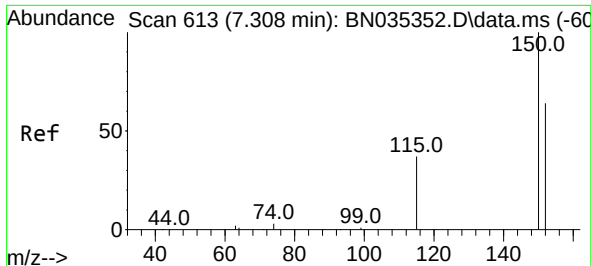
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035370.D
 Acq On : 28 Nov 2024 06:03
 Operator : RC/JU
 Sample : PB165198BS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB165198BS

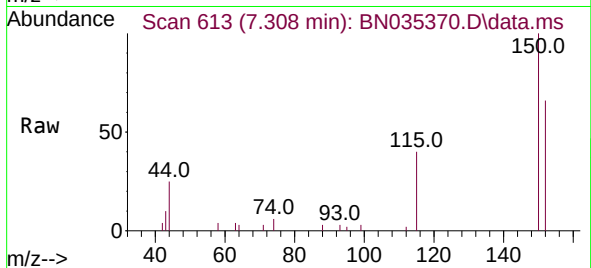
Quant Time: Nov 28 06:28:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration





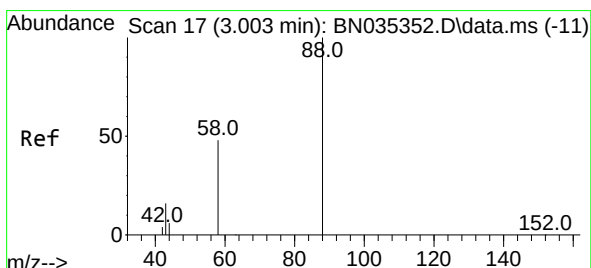
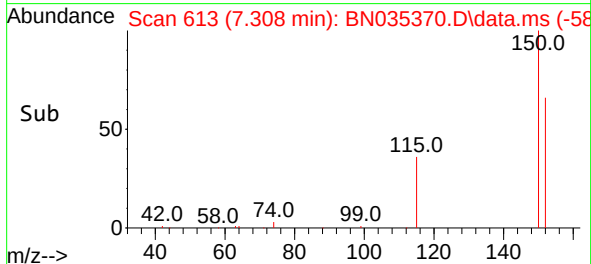
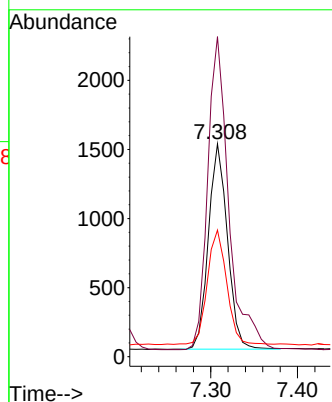
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.308 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN035370.D
 Acq: 28 Nov 2024 06:03

Instrument :
 BNA_N
 ClientSampleId :
 PB165198BS



Tgt Ion:152 Resp: 2262

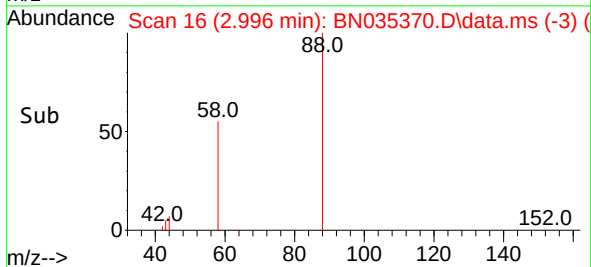
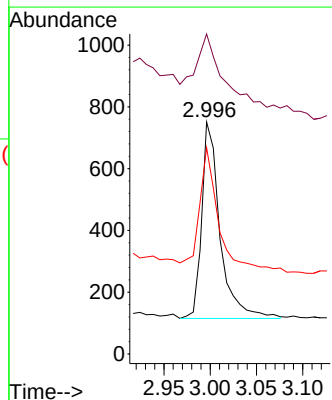
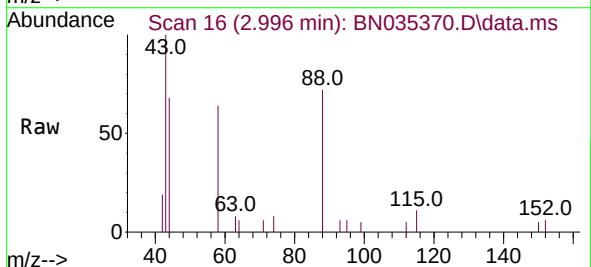
Ion	Ratio	Lower	Upper
152	100		
150	150.4	124.0	186.0
115	59.5	49.6	74.4

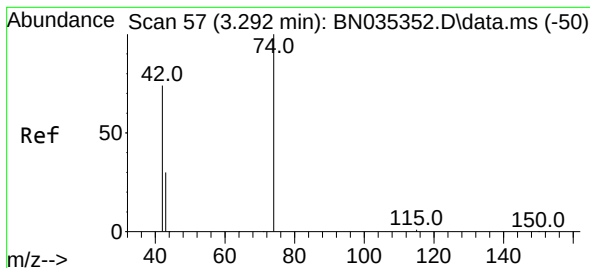


#2
 1,4-Dioxane
 Concen: 0.405 ng
 RT: 2.996 min Scan# 16
 Delta R.T. -0.007 min
 Lab File: BN035370.D
 Acq: 28 Nov 2024 06:03

Tgt Ion: 88 Resp: 876

Ion	Ratio	Lower	Upper
88	100		
43	58.3	17.2	25.8
58	59.7	44.5	66.7





#3

n-Nitrosodimethylamine

Concen: 0.444 ng

RT: 3.292 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Instrument :

BNA_N

ClientSampleId :

PB165198BS

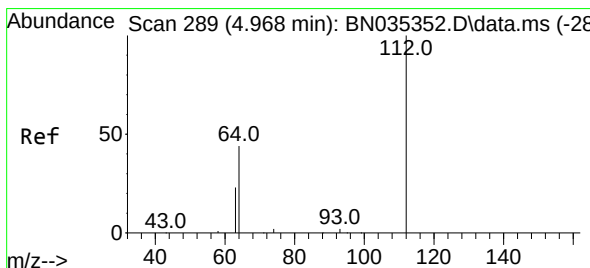
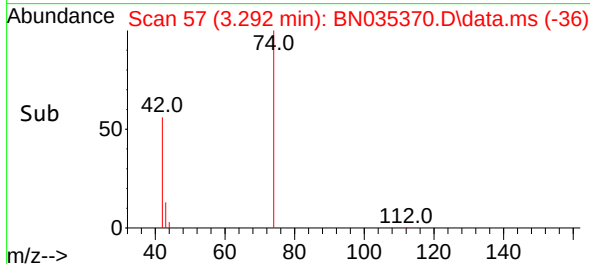
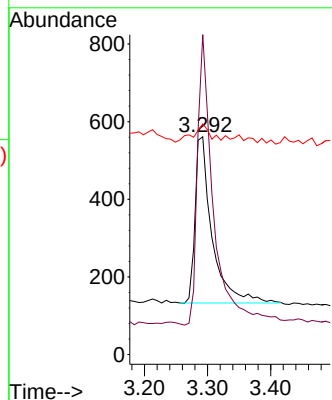
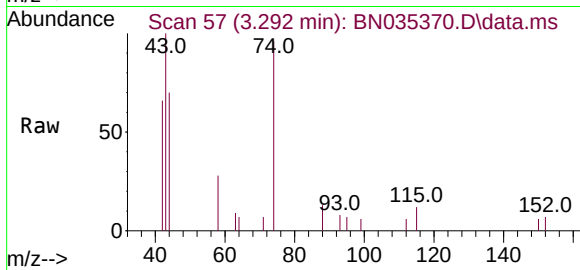
Tgt Ion: 42 Resp: 799

Ion Ratio Lower Upper

42 100

74 167.0 124.9 187.3

44 10.6 2.2 3.4#



#4

2-Fluorophenol

Concen: 0.405 ng

RT: 4.968 min Scan# 289

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

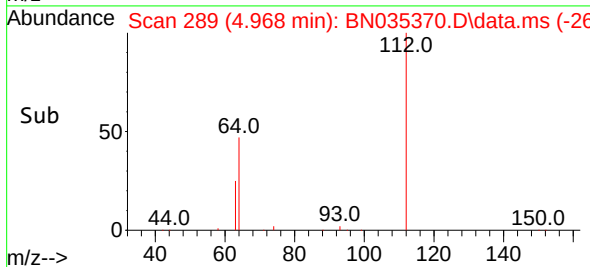
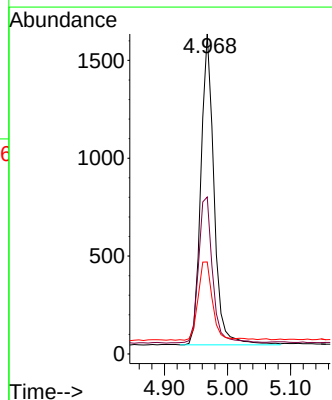
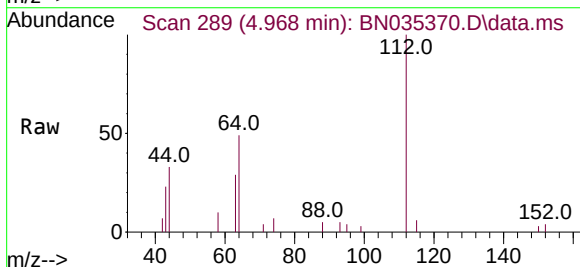
Tgt Ion: 112 Resp: 2290

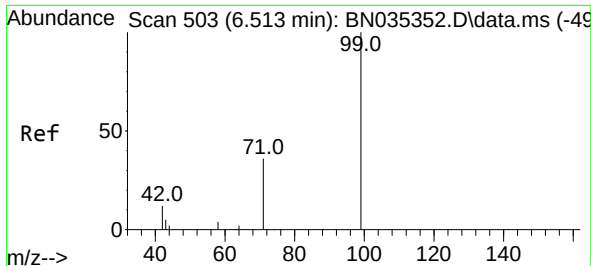
Ion Ratio Lower Upper

112 100

64 50.4 39.8 59.8

63 28.0 21.0 31.6

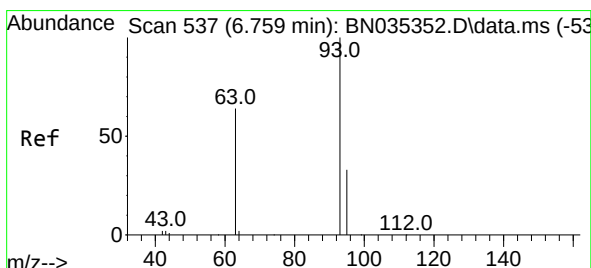
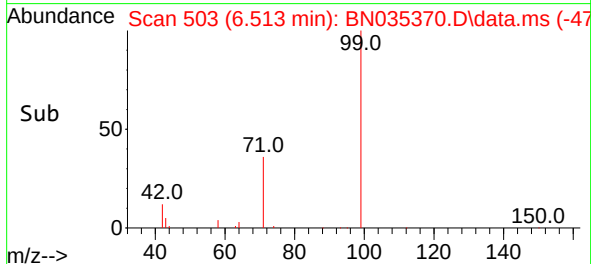
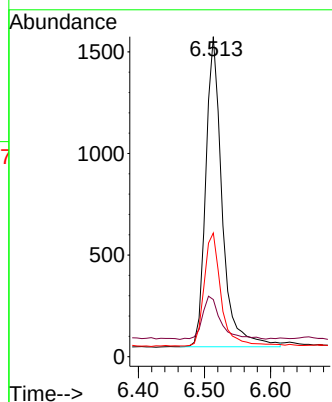
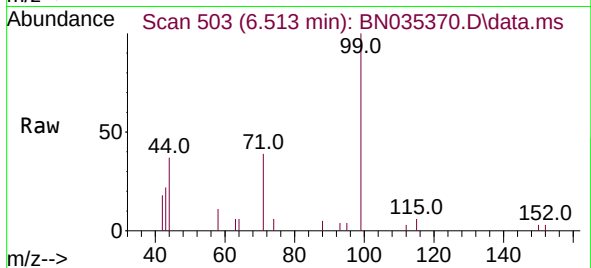




#5
Phenol-d6
Concen: 0.386 ng
RT: 6.513 min Scan# 503
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

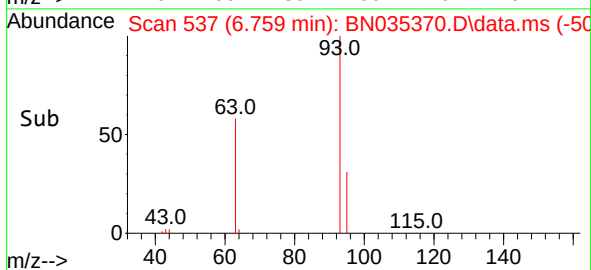
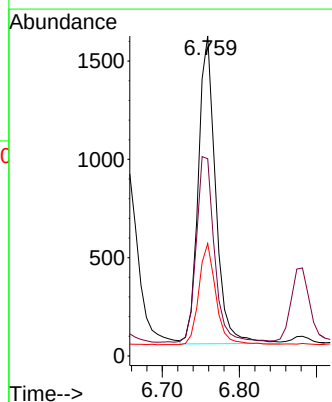
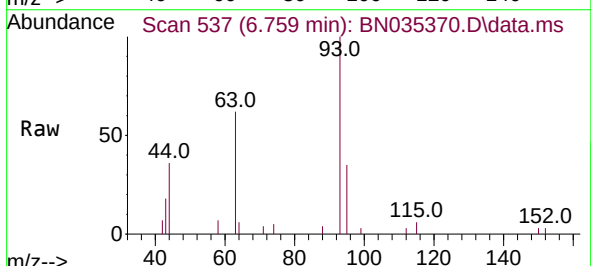
Instrument :
BNA_N
ClientSampleId :
PB165198BS

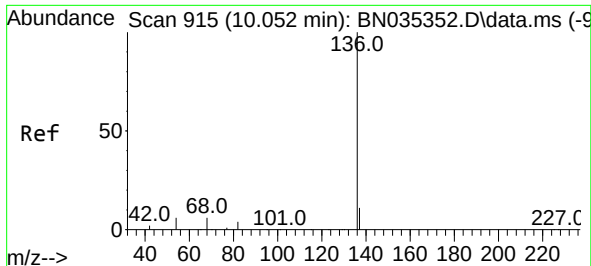
Tgt Ion:	99	Resp:	2626
Ion	Ratio	Lower	Upper
99	100		
42	15.6	11.4	17.2
71	37.5	29.3	43.9



#6
bis(2-Chloroethyl)ether
Concen: 0.428 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:	93	Resp:	2447
Ion	Ratio	Lower	Upper
93	100		
63	63.1	50.4	75.6
95	32.0	25.7	38.5

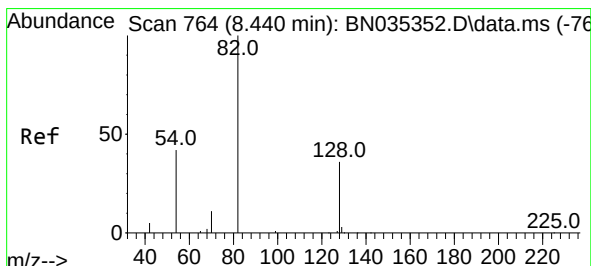
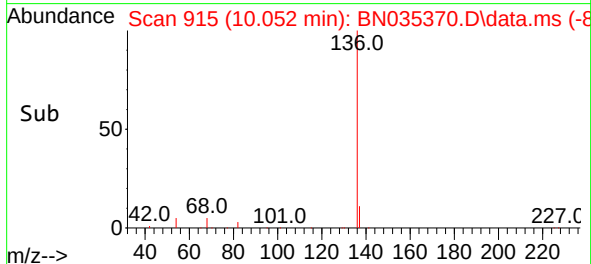
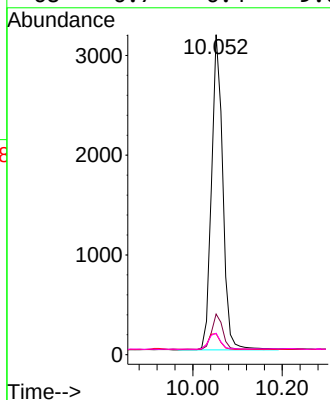
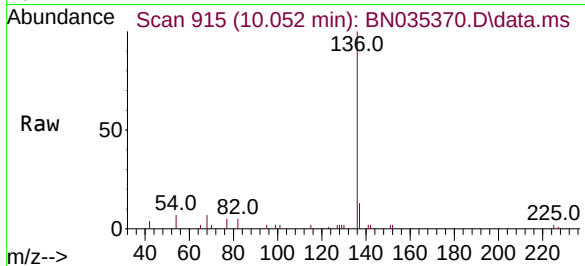




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

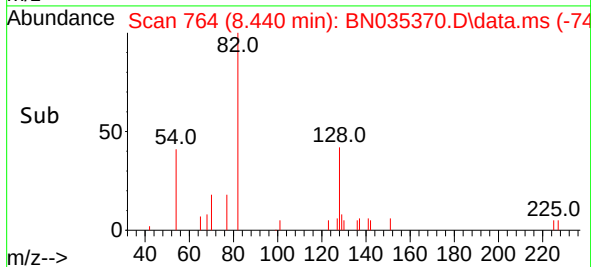
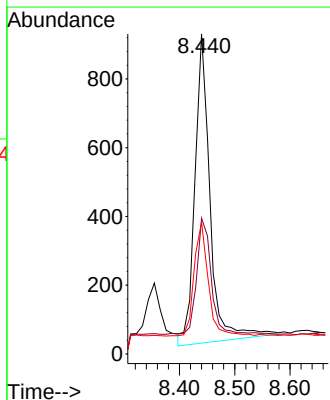
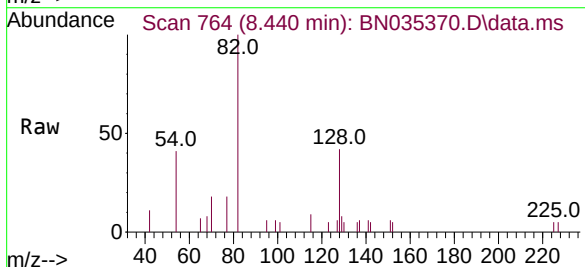
Instrument :
BNA_N
ClientSampleId :
PB165198BS

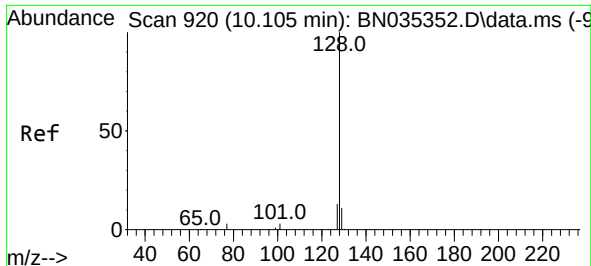
Tgt Ion:	136	Resp:	5496
Ion	Ratio	Lower	Upper
136	100		
137	12.7	10.2	15.2
54	6.6	6.1	9.1
68	6.7	6.4	9.6



#8
Nitrobenzene-d5
Concen: 0.511 ng
RT: 8.440 min Scan# 764
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:	82	Resp:	1716
Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.4	50.0
54	41.1	36.7	55.1

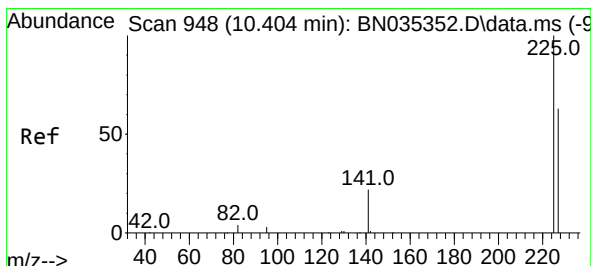
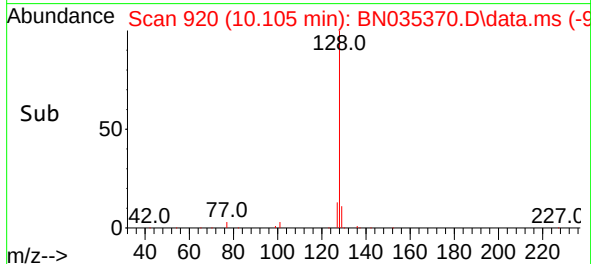
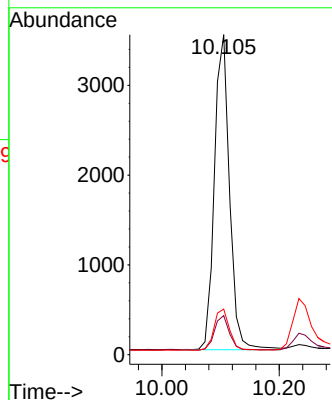
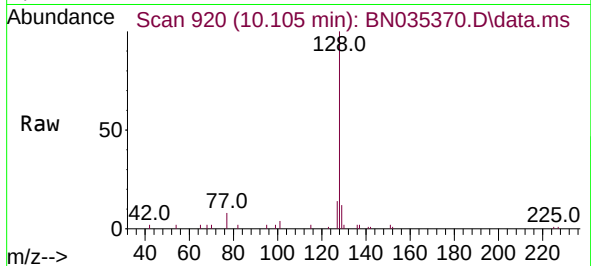




#9
Naphthalene
Concen: 0.431 ng
RT: 10.105 min Scan# 912
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

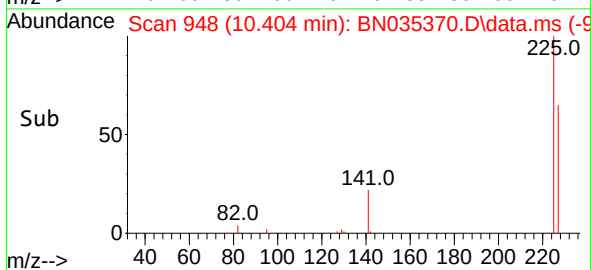
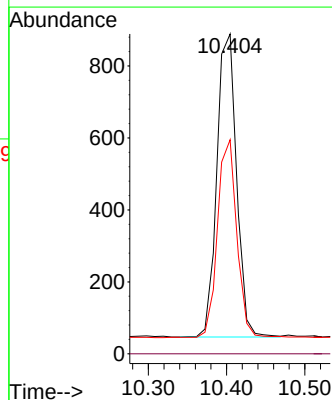
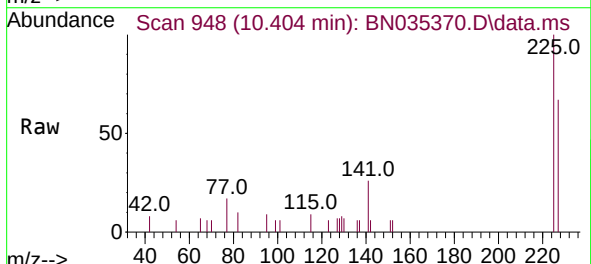
Instrument :
BNA_N
ClientSampleId :
PB165198BS

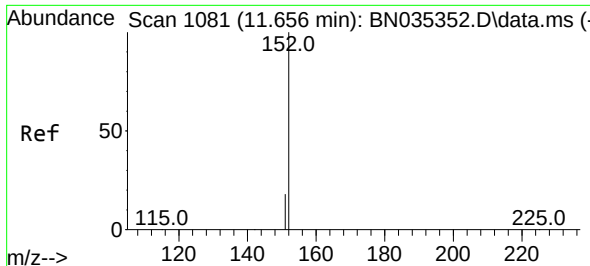
Tgt Ion:128 Resp: 6241
Ion Ratio Lower Upper
128 100
129 12.2 9.8 14.6
127 14.2 11.4 17.2



#10
Hexachlorobutadiene
Concen: 0.439 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:225 Resp: 1469
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.7 51.3 76.9

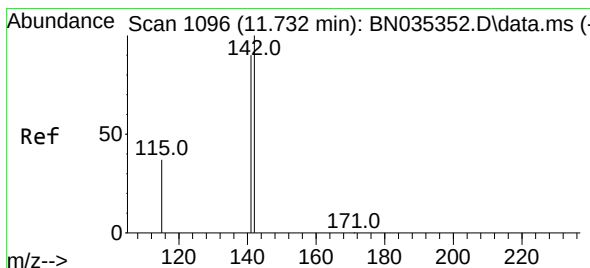
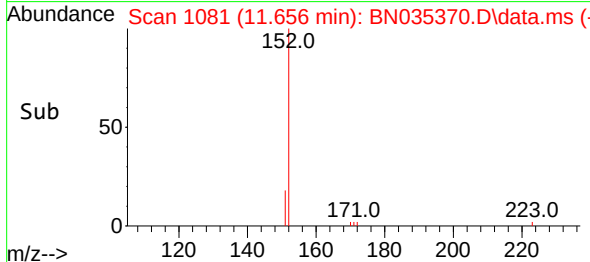
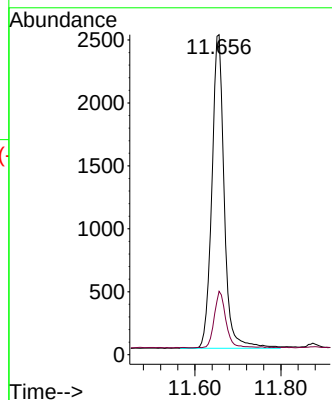
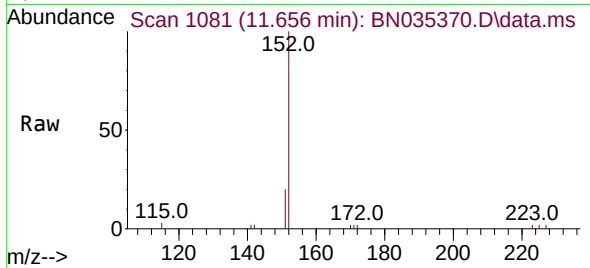




#11
2-Methylnaphthalene-d10
Concen: 0.578 ng
RT: 11.656 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

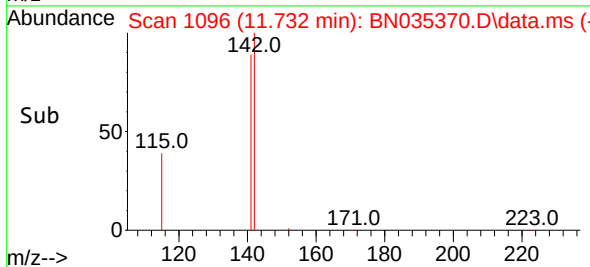
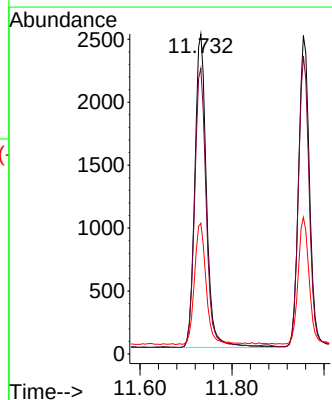
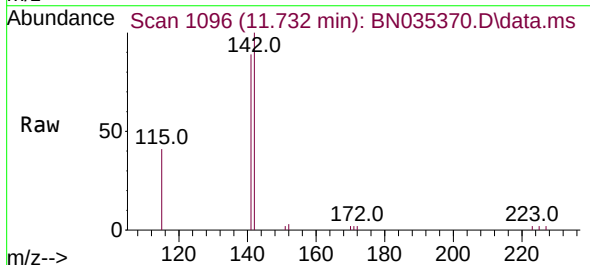
Instrument :
BNA_N
ClientSampleId :
PB165198BS

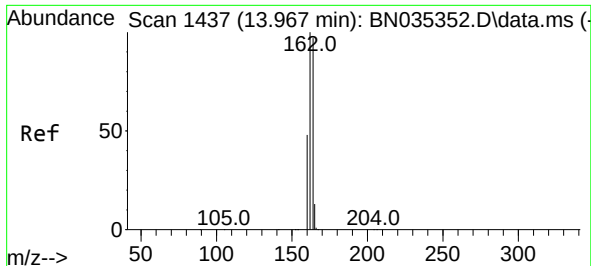
Tgt Ion:152 Resp: 4975
Ion Ratio Lower Upper
152 100
151 16.9 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.422 ng
RT: 11.732 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:142 Resp: 4378
Ion Ratio Lower Upper
142 100
141 89.3 72.2 108.4
115 40.8 31.4 47.0

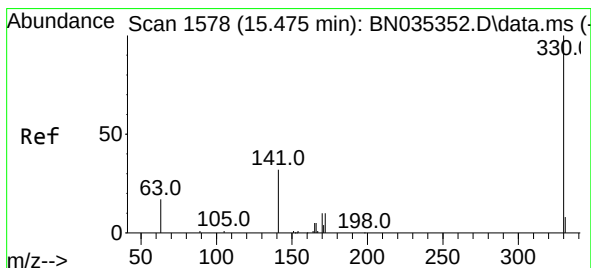
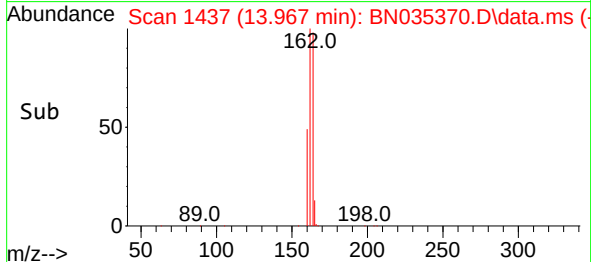
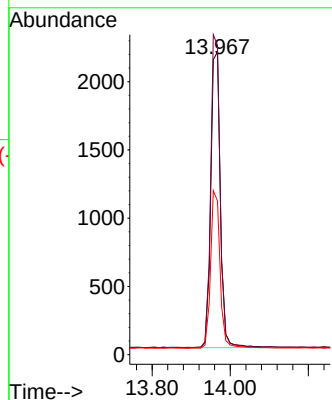
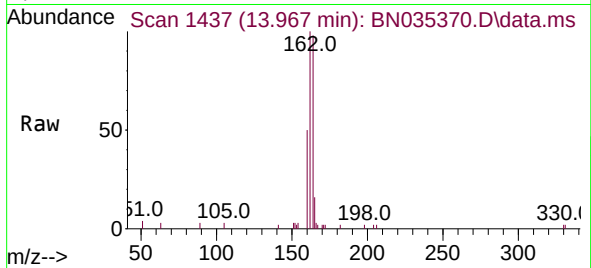




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

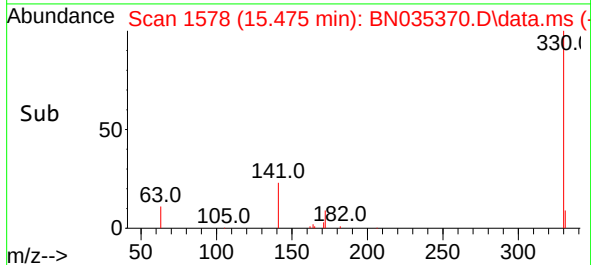
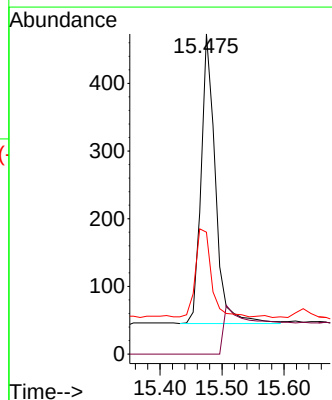
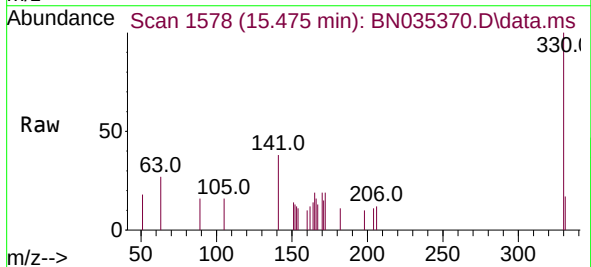
Instrument :
BNA_N
ClientSampleId :
PB165198BS

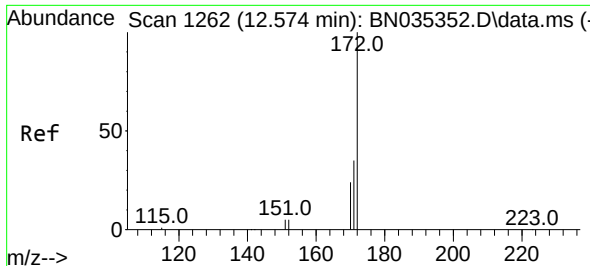
Tgt Ion:164 Resp: 3686
Ion Ratio Lower Upper
164 100
162 102.2 82.2 123.2
160 50.8 40.1 60.1



#14
2,4,6-Tribromophenol
Concen: 0.281 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:330 Resp: 735
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.6 26.6 40.0

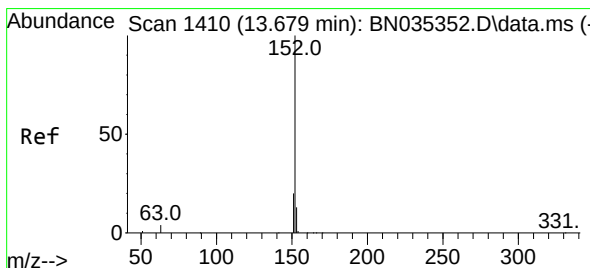
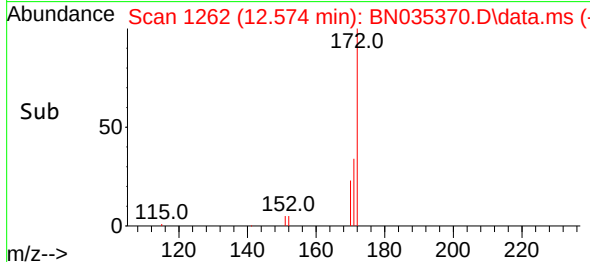
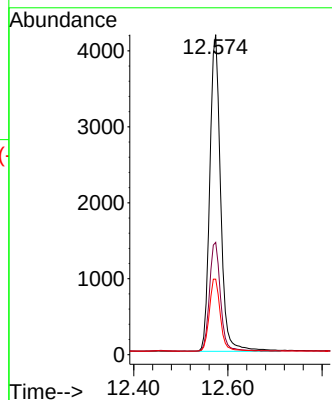
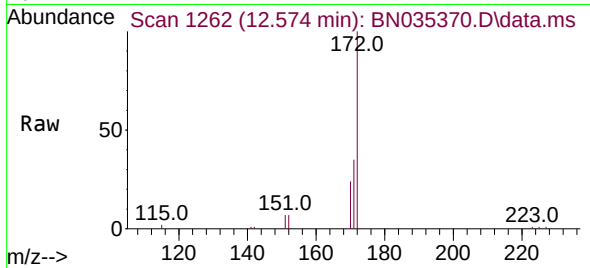




#15
2-Fluorobiphenyl
Concen: 0.475 ng
RT: 12.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

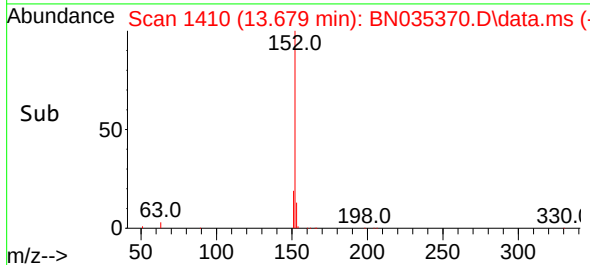
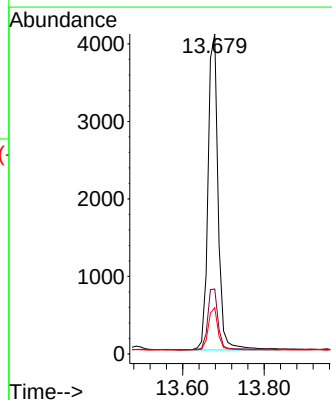
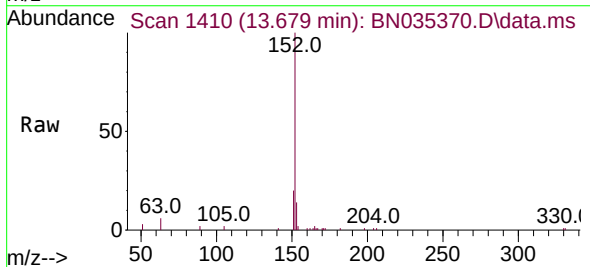
Instrument :
BNA_N
ClientSampleId :
PB165198BS

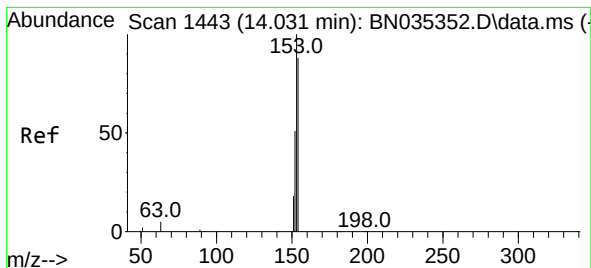
Tgt Ion:	172	Resp:	6624
Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.4
170	23.6	19.8	29.8



#16
Acenaphthylene
Concen: 0.455 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:	152	Resp:	7040
Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.2	10.4	15.6





#17

Acenaphthene

Concen: 0.434 ng

RT: 14.021 min Scan# 1442

Delta R.T. -0.011 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Instrument :

BNA_N

ClientSampleId :

PB165198BS

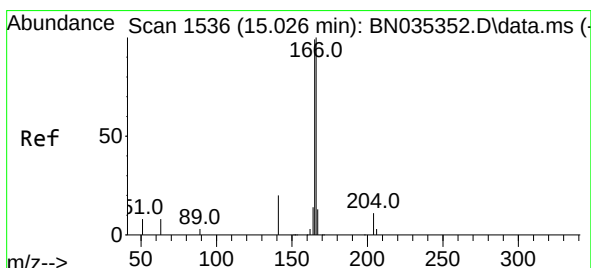
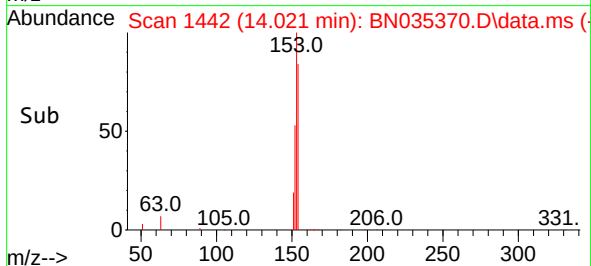
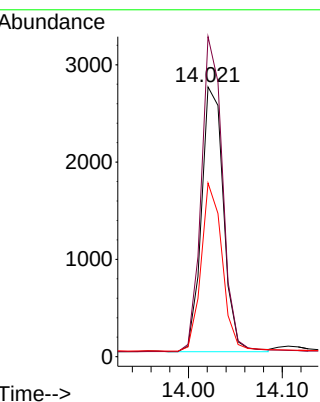
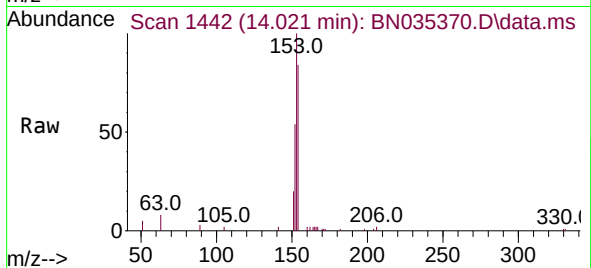
Tgt Ion:154 Resp: 4456

Ion Ratio Lower Upper

154 100

153 115.6 92.6 139.0

152 61.5 49.0 73.6



#18

Fluorene

Concen: 0.423 ng

RT: 15.026 min Scan# 1536

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

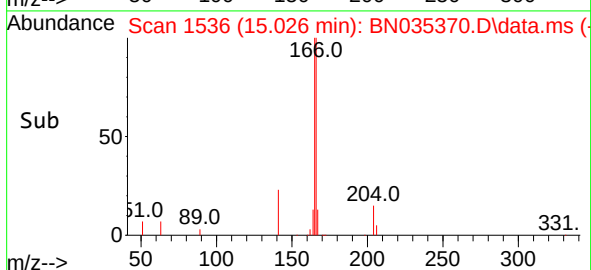
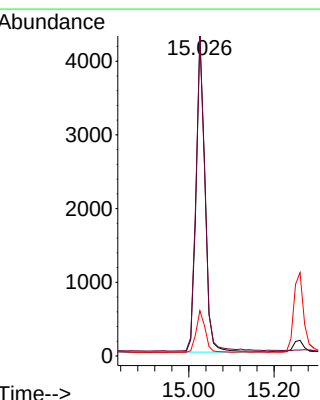
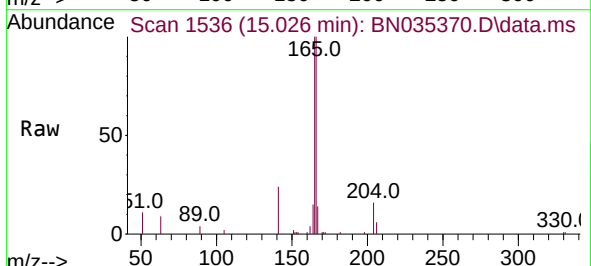
Tgt Ion:166 Resp: 6228

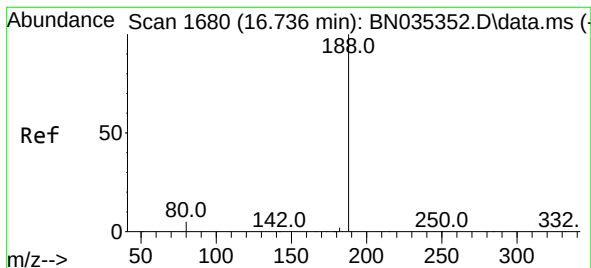
Ion Ratio Lower Upper

166 100

165 100.0 79.7 119.5

167 13.3 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.723 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Instrument :

BNA_N

ClientSampleId :

PB165198BS

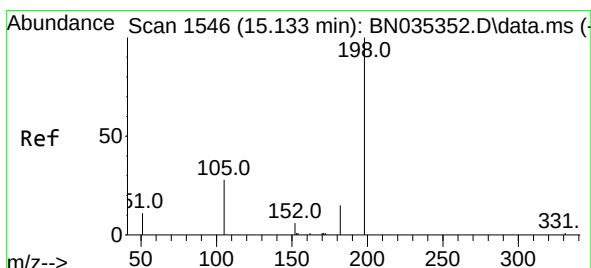
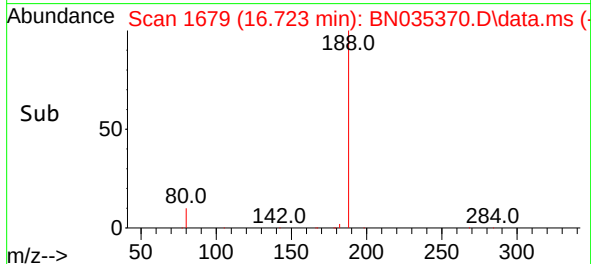
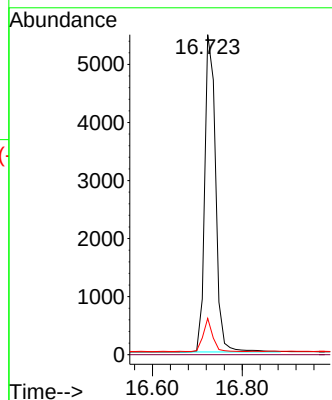
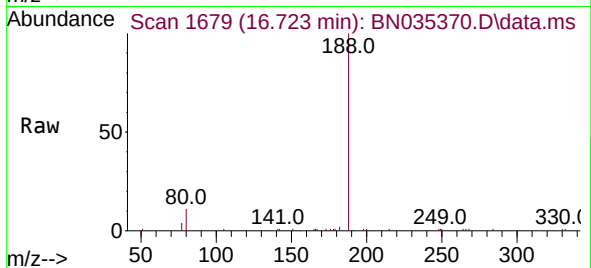
Tgt Ion:188 Resp: 9203

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.3 4.6 6.8#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.454 ng

RT: 15.122 min Scan# 1545

Delta R.T. -0.011 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

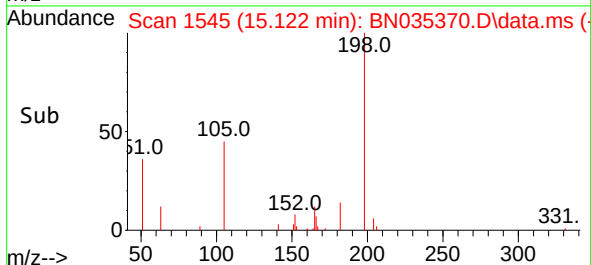
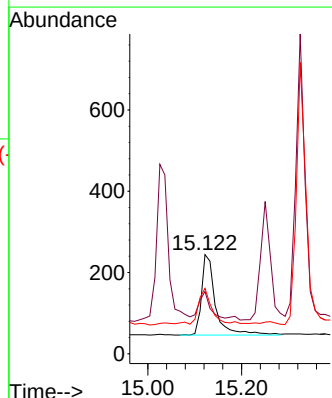
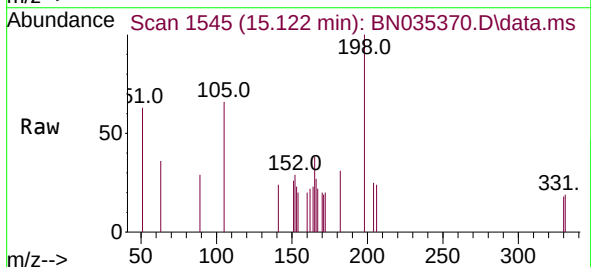
Tgt Ion:198 Resp: 411

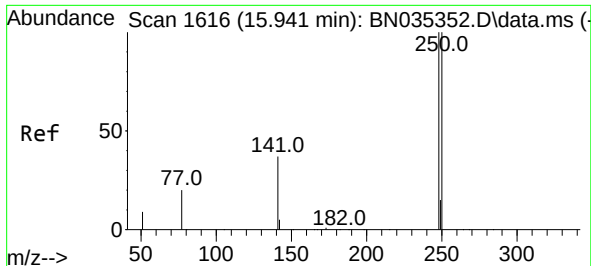
Ion Ratio Lower Upper

198 100

51 62.7 46.5 69.7

105 66.0 45.3 67.9

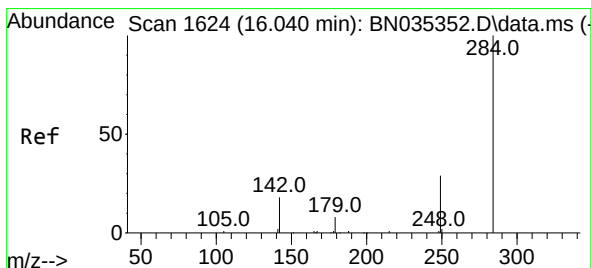
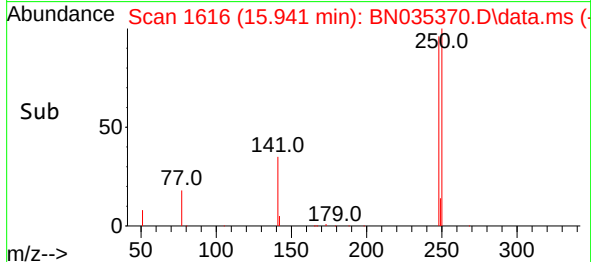
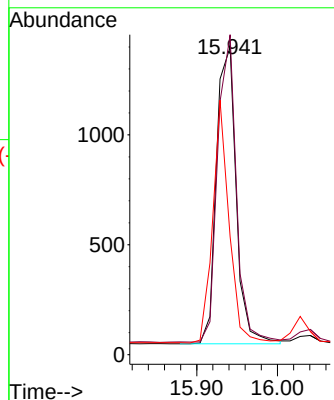
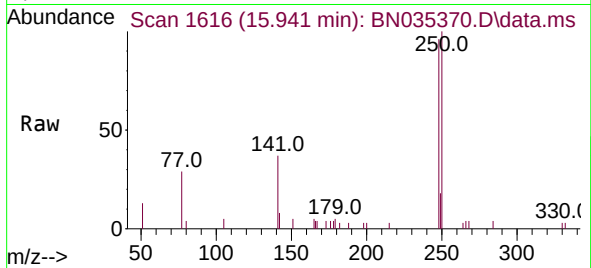




#21
4-Bromophenyl-phenylether
Concen: 0.428 ng
RT: 15.941 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

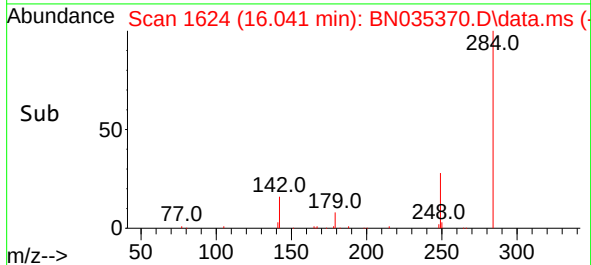
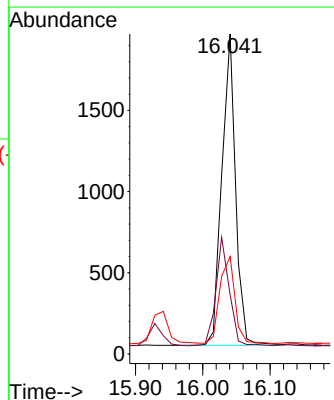
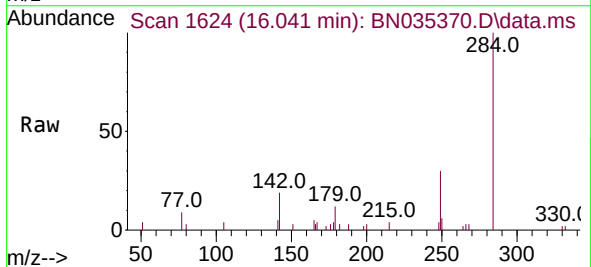
Instrument :
BNA_N
ClientSampleId :
PB165198BS

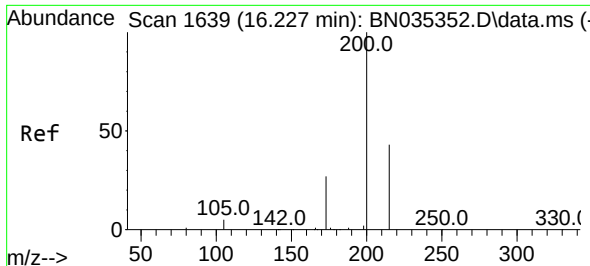
Tgt Ion:248 Resp: 2303
Ion Ratio Lower Upper
248 100
250 104.1 80.6 120.8
141 38.3 31.5 47.3



#22
Hexachlorobenzene
Concen: 0.429 ng
RT: 16.041 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:284 Resp: 2710
Ion Ratio Lower Upper
284 100
142 34.3 26.7 40.1
249 30.8 24.6 36.8

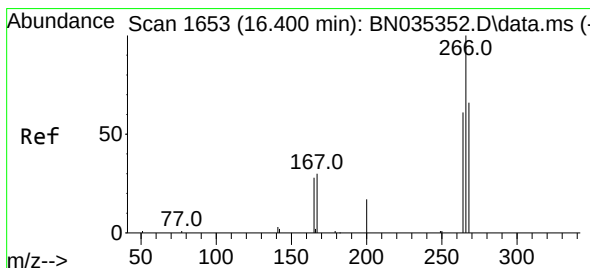
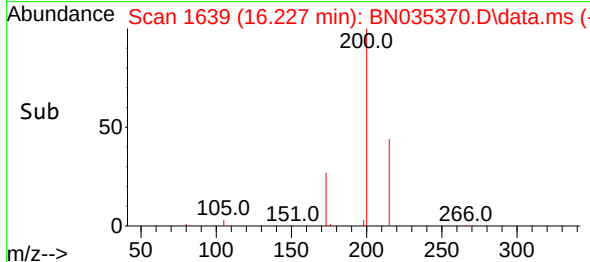
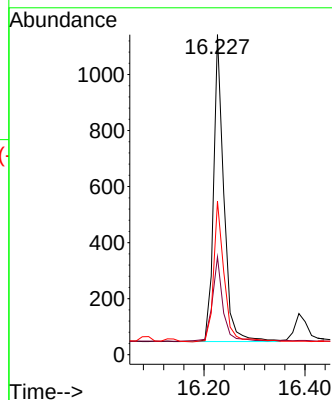
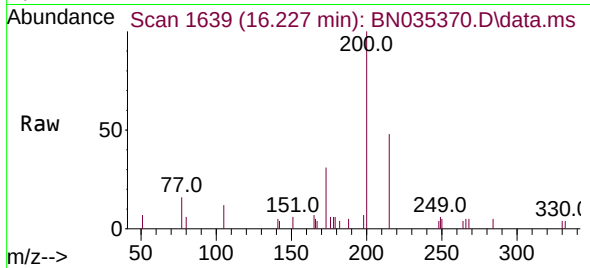




#23
 Atrazine
 Concen: 0.404 ng
 RT: 16.227 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: BN035370.D
 Acq: 28 Nov 2024 06:03

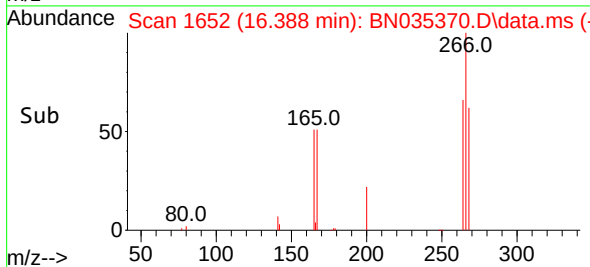
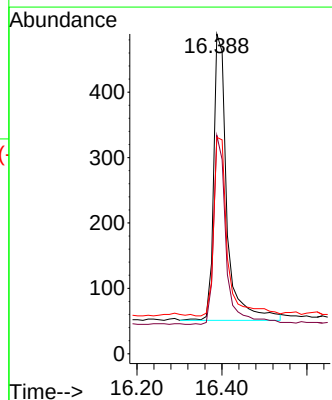
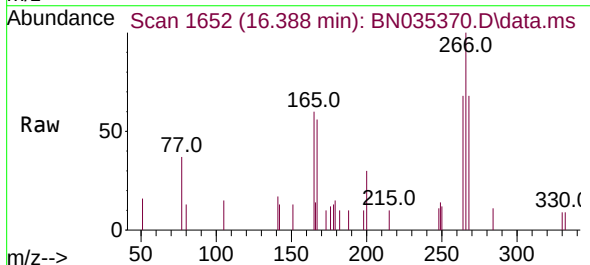
Instrument :
 BNA_N
 ClientSampleId :
 PB165198BS

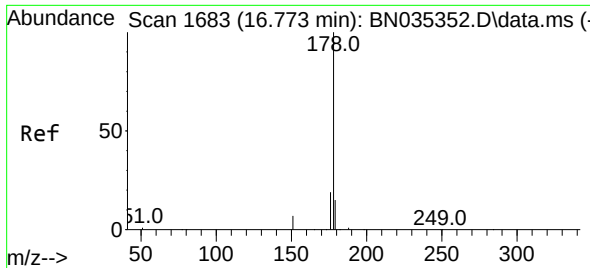
Tgt Ion:200 Resp: 1548
 Ion Ratio Lower Upper
 200 100
 173 30.6 24.1 36.1
 215 47.9 36.9 55.3



#24
 Pentachlorophenol
 Concen: 0.345 ng
 RT: 16.388 min Scan# 1652
 Delta R.T. -0.012 min
 Lab File: BN035370.D
 Acq: 28 Nov 2024 06:03

Tgt Ion:266 Resp: 950
 Ion Ratio Lower Upper
 266 100
 264 62.4 42.3 63.5
 268 63.8 43.3 64.9

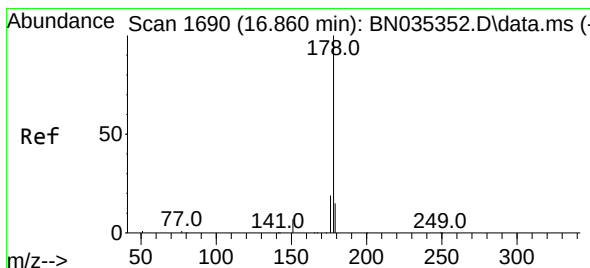
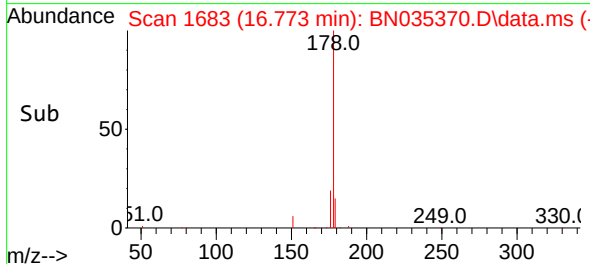
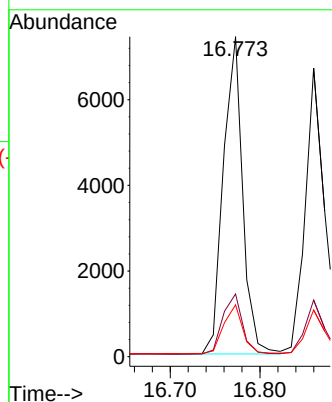
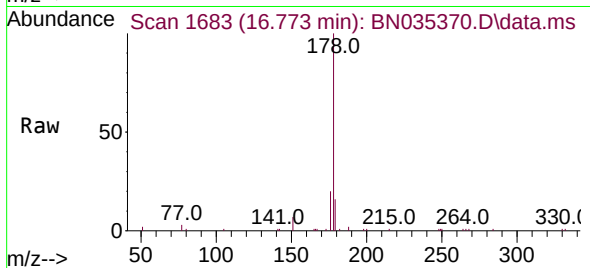




#25
Phenanthrene
Concen: 0.438 ng
RT: 16.773 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

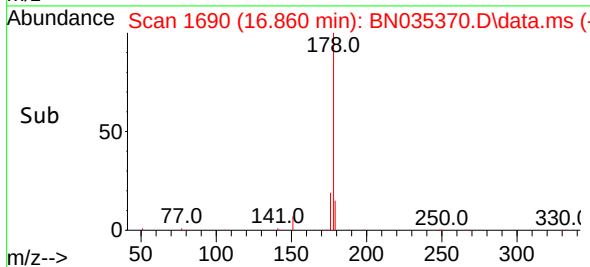
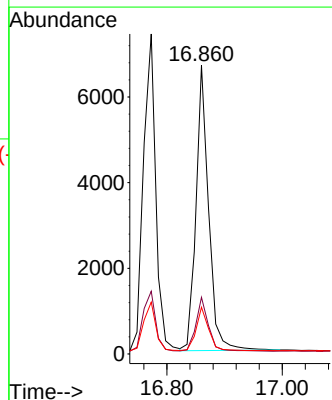
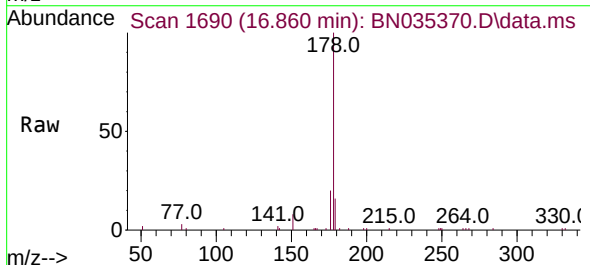
Instrument :
BNA_N
ClientSampleId :
PB165198BS

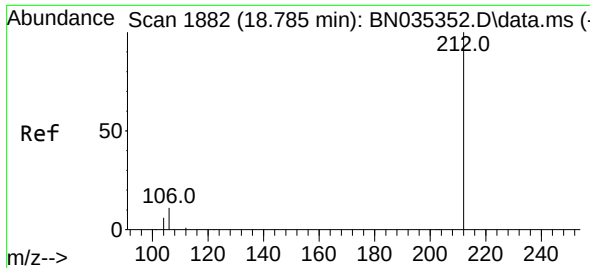
Tgt Ion:178 Resp: 11082
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.5 12.3 18.5



#26
Anthracene
Concen: 0.444 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:178 Resp: 10144
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.3 12.6 18.8

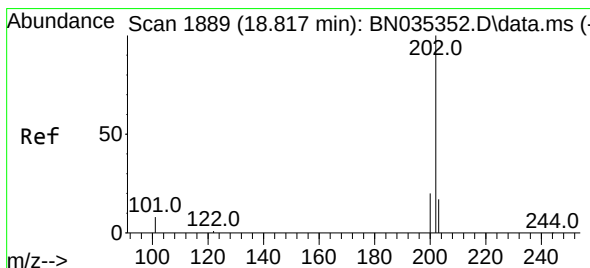
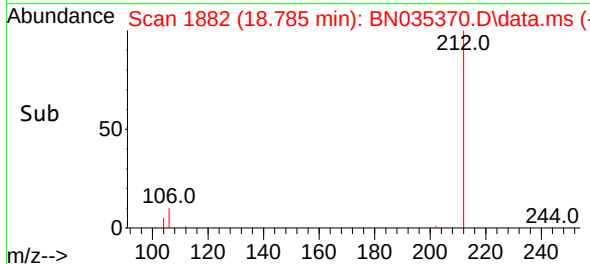
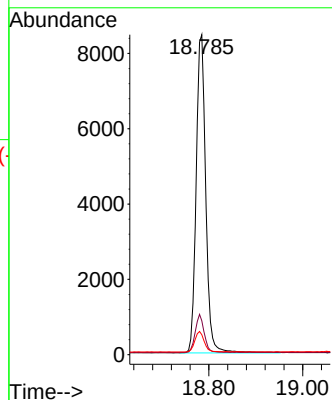
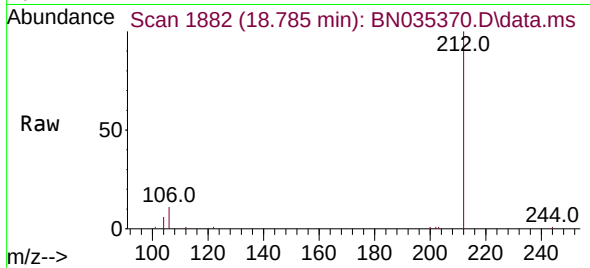




#27
Fluoranthene-d10
Concen: 0.459 ng
RT: 18.785 min Scan# 1882
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

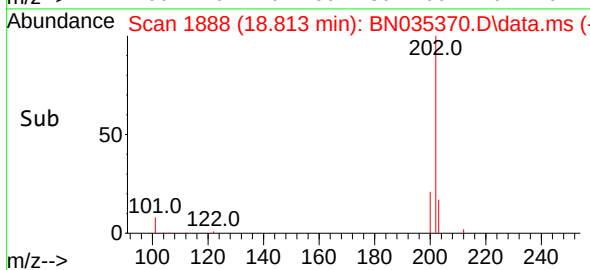
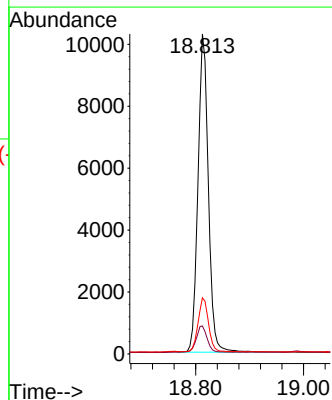
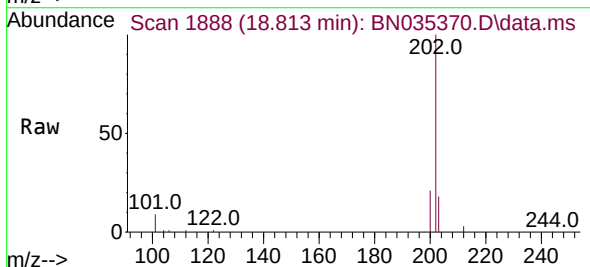
Instrument :
BNA_N
ClientSampleId :
PB165198BS

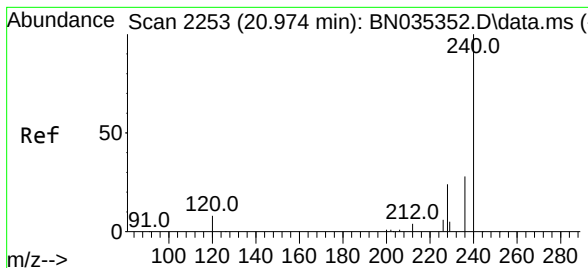
Tgt Ion:212 Resp: 11970
Ion Ratio Lower Upper
212 100
106 11.2 9.2 13.8
104 6.3 5.3 7.9



#28
Fluoranthene
Concen: 0.402 ng
RT: 18.813 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:202 Resp: 13705
Ion Ratio Lower Upper
202 100
101 8.9 7.4 11.0
203 17.0 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.974 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Instrument :

BNA_N

ClientSampleId :

PB165198BS

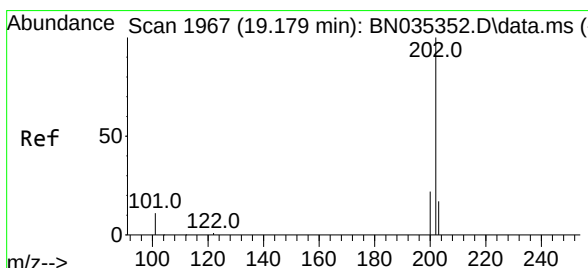
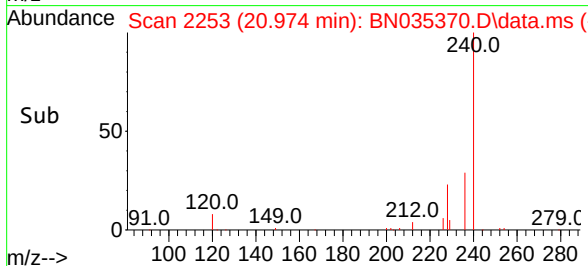
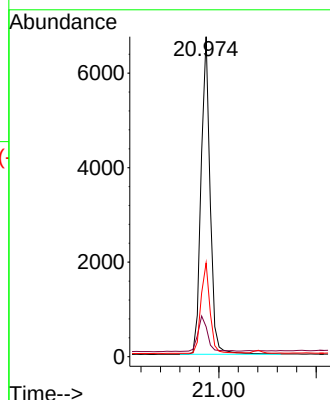
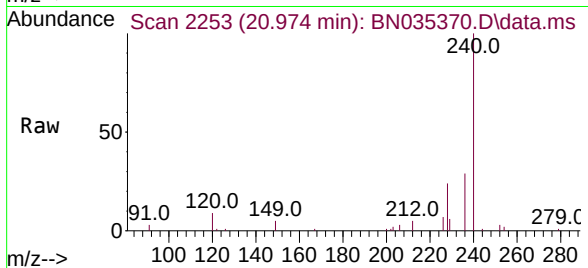
Tgt Ion:240 Resp: 8666

Ion Ratio Lower Upper

240 100

120 9.4 7.9 11.9

236 29.3 22.9 34.3



#30

Pyrene

Concen: 0.444 ng

RT: 19.180 min Scan# 1967

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

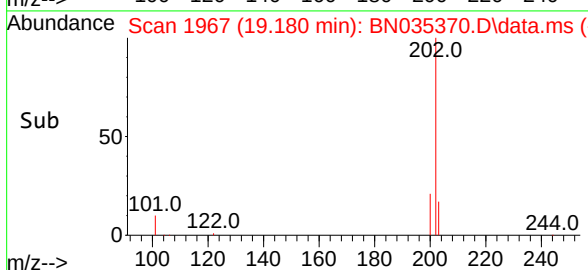
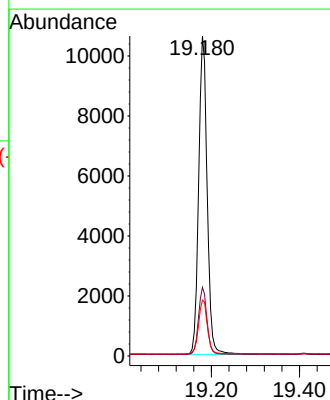
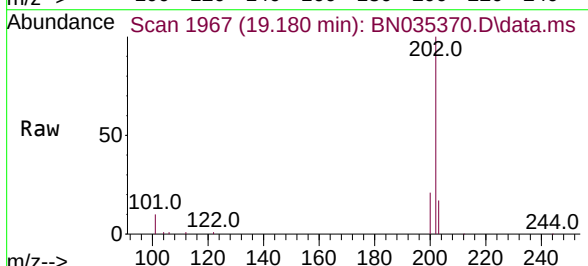
Tgt Ion:202 Resp: 14204

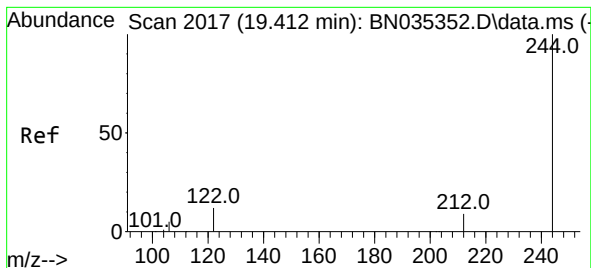
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 17.5 14.3 21.5





#31

Terphenyl-d14

Concen: 0.521 ng

RT: 19.412 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Instrument :

BNA_N

ClientSampleId :

PB165198BS

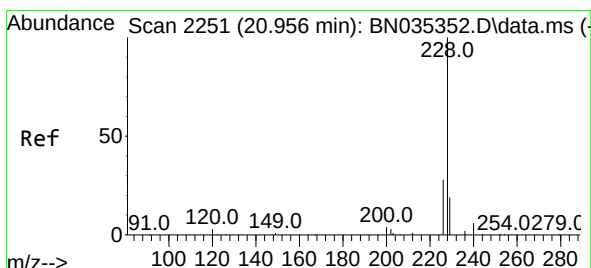
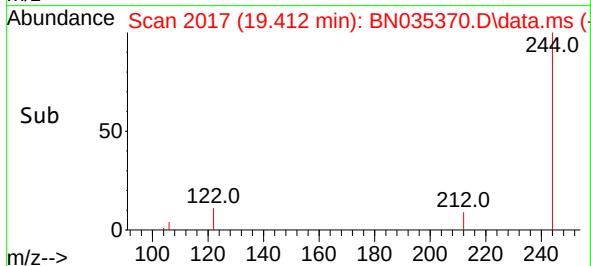
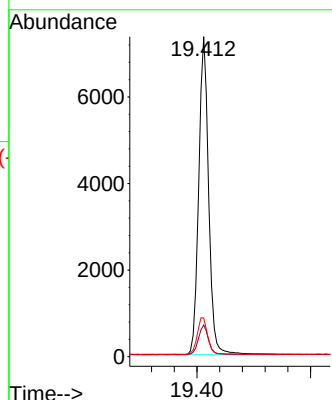
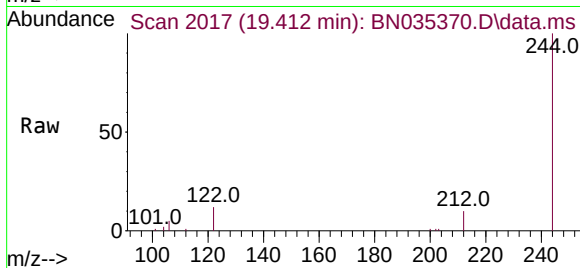
Tgt Ion:244 Resp: 8912

Ion Ratio Lower Upper

244 100

212 9.9 8.1 12.1

122 12.1 10.3 15.5



#32

Benzo(a)anthracene

Concen: 0.433 ng

RT: 20.956 min Scan# 2251

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

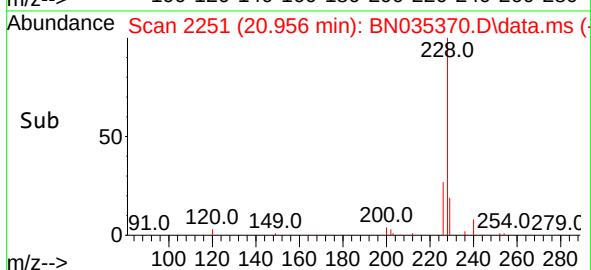
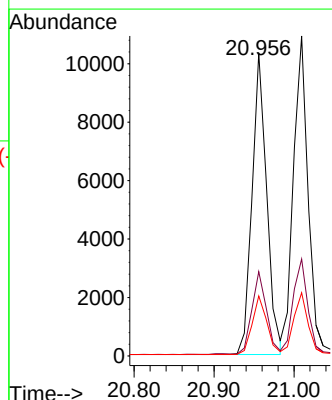
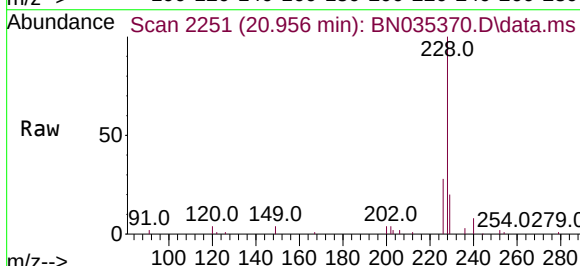
Tgt Ion:228 Resp: 13138

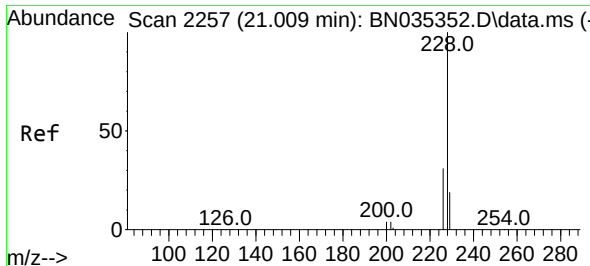
Ion Ratio Lower Upper

228 100

226 27.8 22.5 33.7

229 19.8 15.8 23.8





#33

Chrysene

Concen: 0.451 ng

RT: 21.010 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Instrument :

BNA_N

ClientSampleId :

PB165198BS

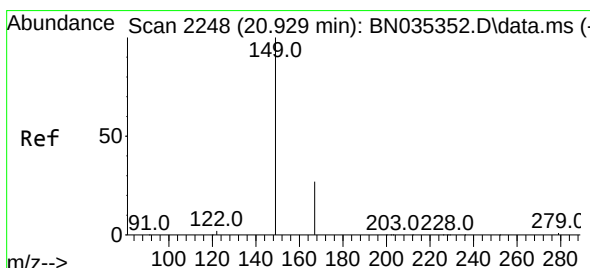
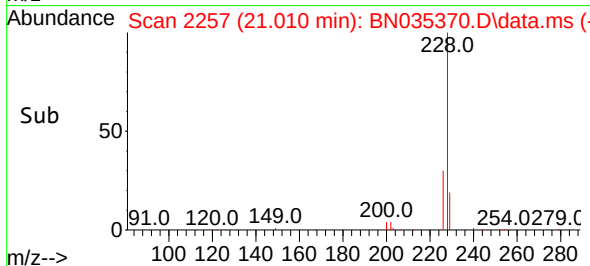
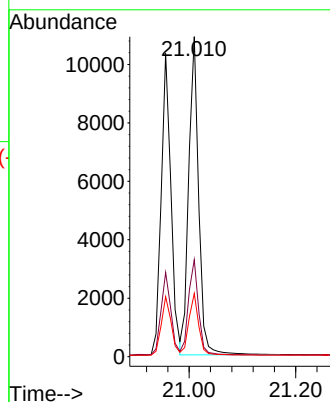
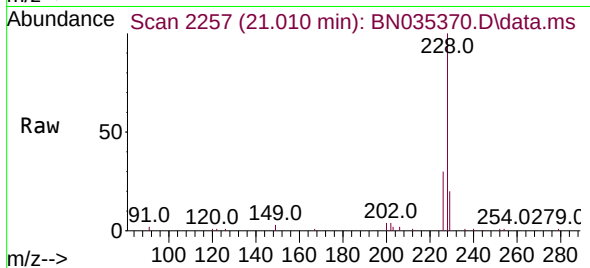
Tgt Ion:228 Resp: 14112

Ion Ratio Lower Upper

228 100

226 30.3 24.6 37.0

229 19.8 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.410 ng

RT: 20.929 min Scan# 2248

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

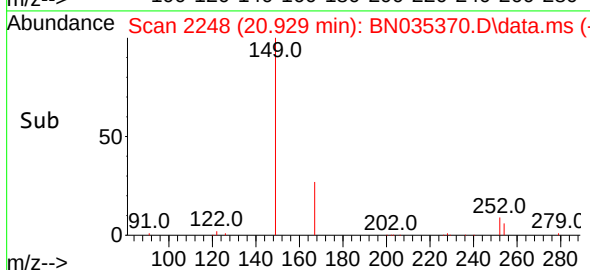
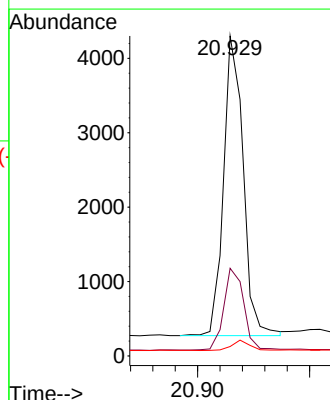
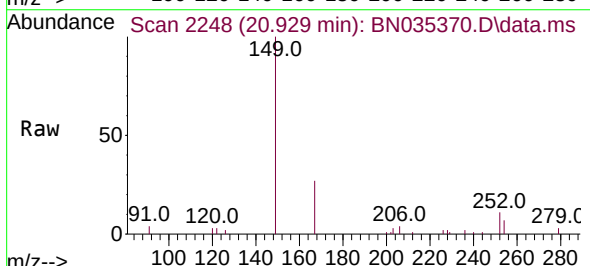
Tgt Ion:149 Resp: 4912

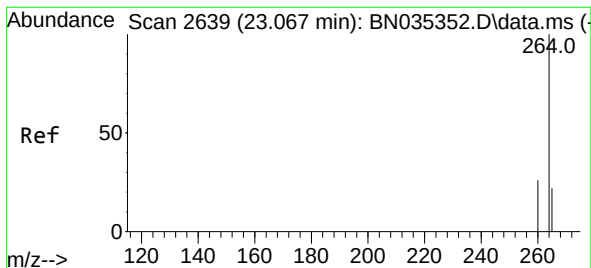
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.4

279 3.2 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.067 min Scan# 2639

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

Instrument :

BNA_N

ClientSampleId :

PB165198BS

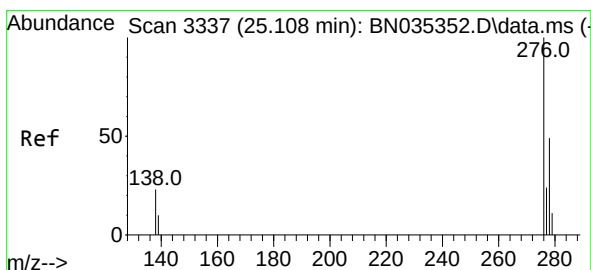
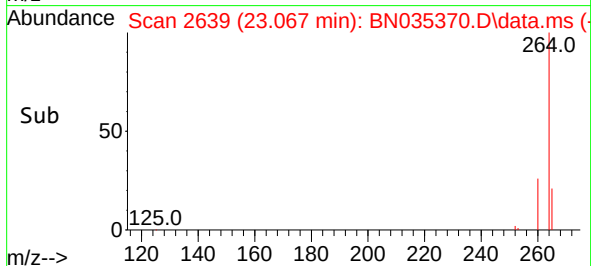
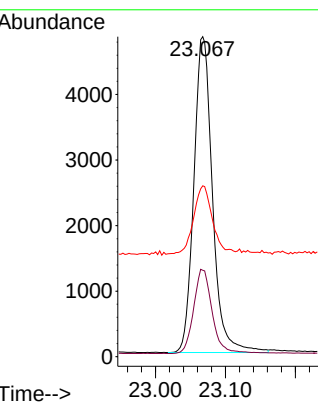
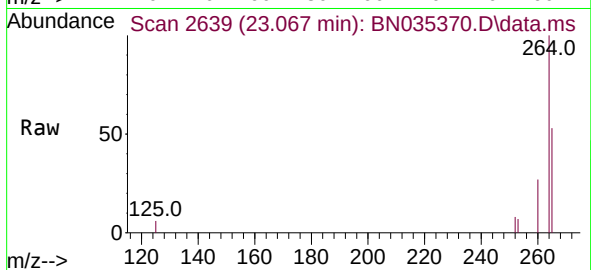
Tgt Ion:264 Resp: 8924

Ion Ratio Lower Upper

264 100

260 27.0 21.4 32.2

265 53.4 40.2 60.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.436 ng

RT: 25.108 min Scan# 3337

Delta R.T. 0.000 min

Lab File: BN035370.D

Acq: 28 Nov 2024 06:03

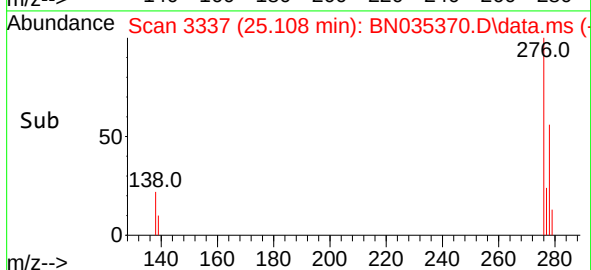
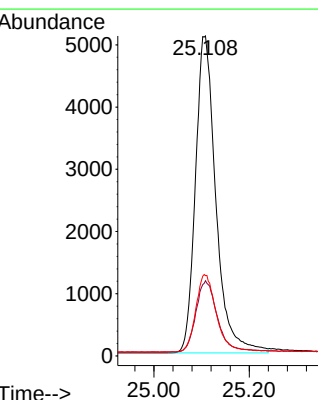
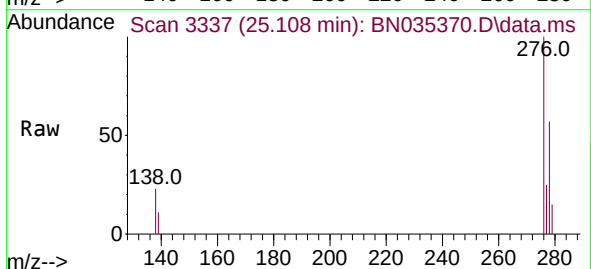
Tgt Ion:276 Resp: 15213

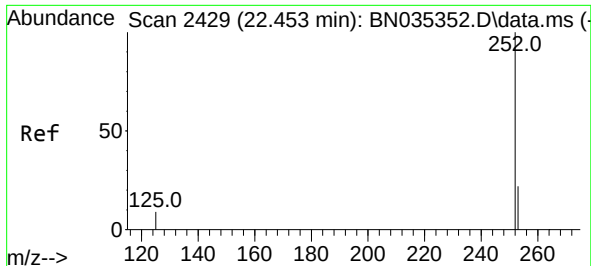
Ion Ratio Lower Upper

276 100

138 23.1 19.4 29.0

277 24.6 19.8 29.6

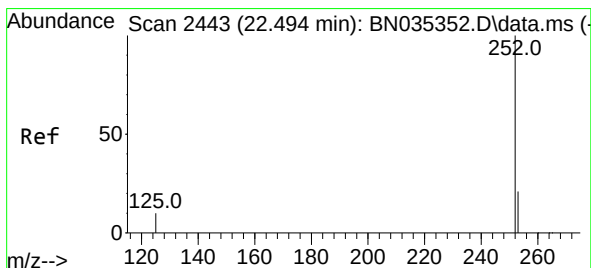
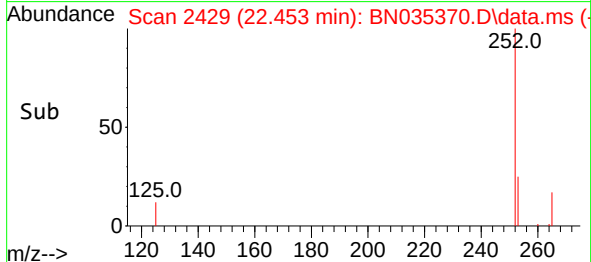
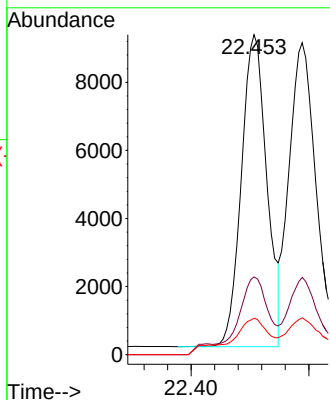
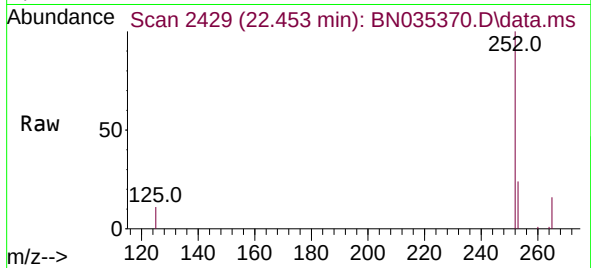




#37
Benzo(b)fluoranthene
Concen: 0.491 ng
RT: 22.453 min Scan# 2429
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

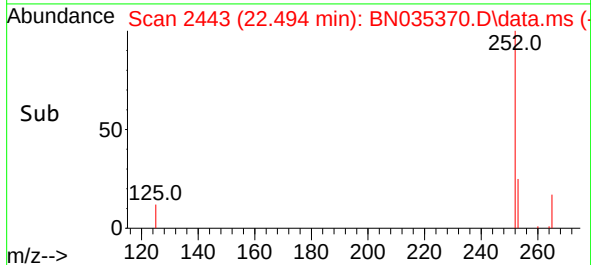
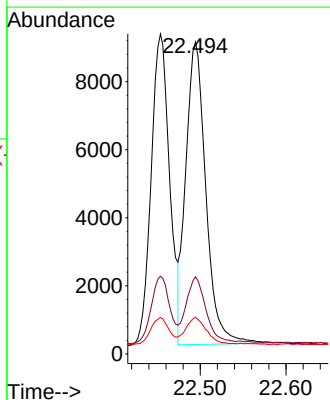
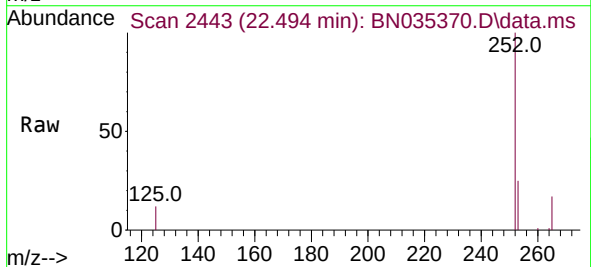
Instrument :
BNA_N
ClientSampleId :
PB165198BS

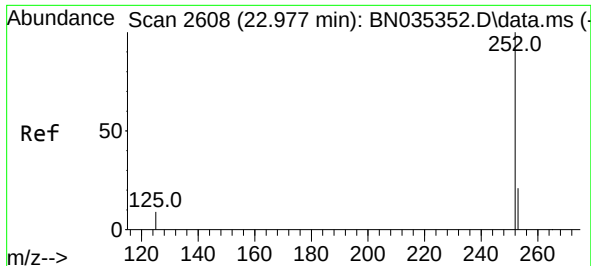
Tgt Ion:252 Resp: 16020
Ion Ratio Lower Upper
252 100
253 24.3 19.6 29.4
125 11.4 9.6 14.4



#38
Benzo(k)fluoranthene
Concen: 0.450 ng
RT: 22.494 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Tgt Ion:252 Resp: 14448
Ion Ratio Lower Upper
252 100
253 24.8 19.5 29.3
125 11.8 10.2 15.4

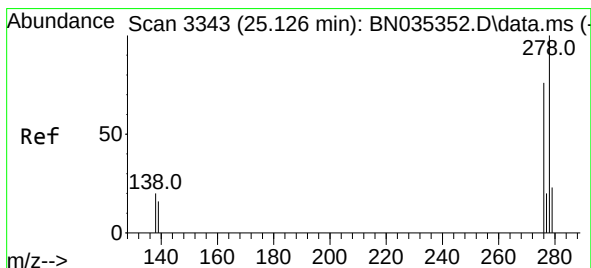
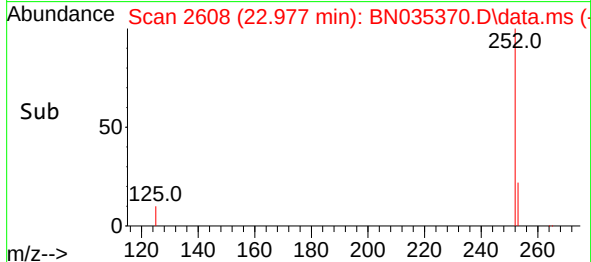
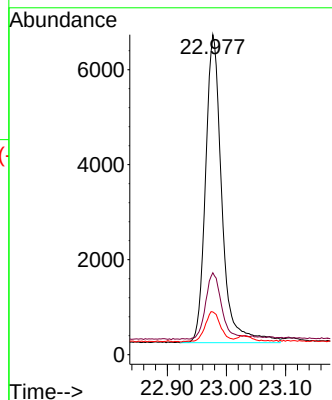
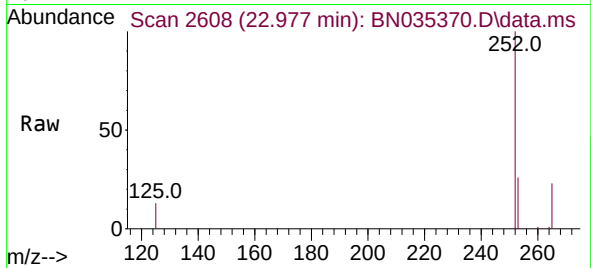




#39
Benzo(a)pyrene
Concen: 0.462 ng
RT: 22.977 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

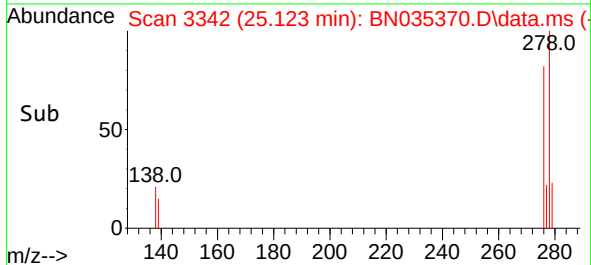
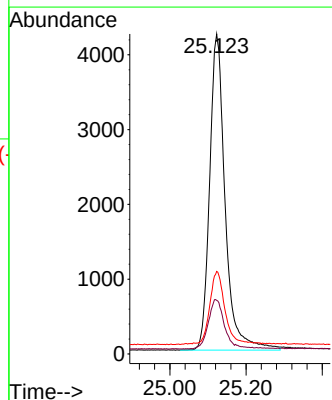
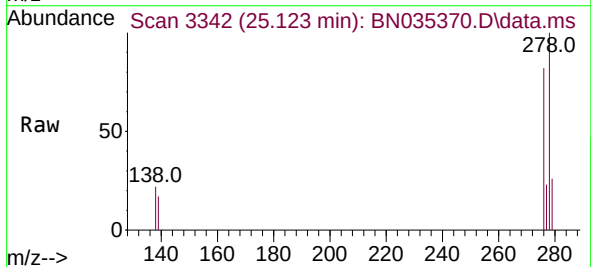
Instrument :
BNA_N
ClientSampleId :
PB165198BS

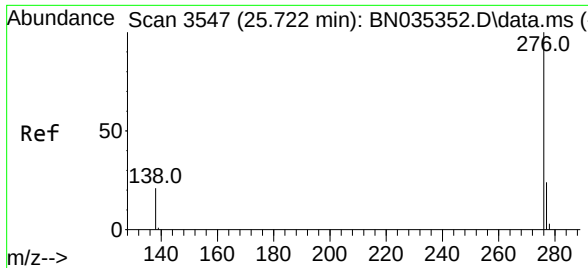
Tgt Ion:252 Resp: 12434
Ion Ratio Lower Upper
252 100
253 25.6 20.2 30.4
125 13.4 10.9 16.3



#40
Dibenzo(a,h)anthracene
Concen: 0.433 ng
RT: 25.123 min Scan# 3342
Delta R.T. -0.003 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

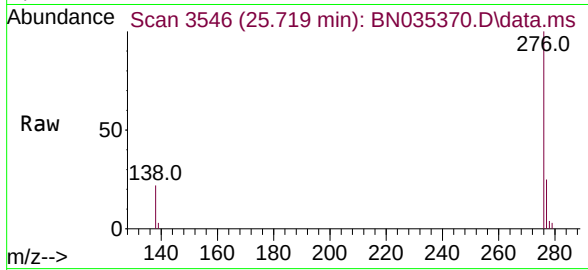
Tgt Ion:278 Resp: 11913
Ion Ratio Lower Upper
278 100
139 16.8 14.2 21.4
279 25.8 20.5 30.7



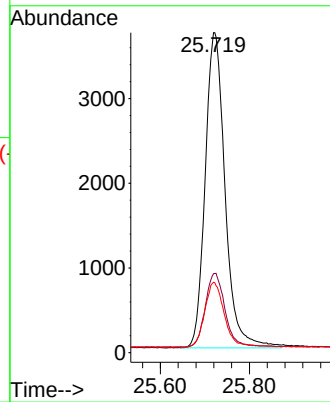
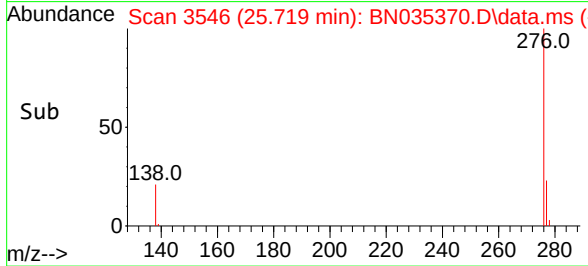


#41
Benzo(g,h,i)perylene
Concen: 0.402 ng
RT: 25.719 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN035370.D
Acq: 28 Nov 2024 06:03

Instrument :
BNA_N
ClientSampleId :
PB165198BS



Tgt Ion:	276	Resp:	11556
Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.9	29.9
138	22.0	17.8	26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035371.D
 Acq On : 28 Nov 2024 06:39
 Operator : RC/JU
 Sample : PB165198BSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB165198BSD

Quant Time: Nov 28 07:04:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

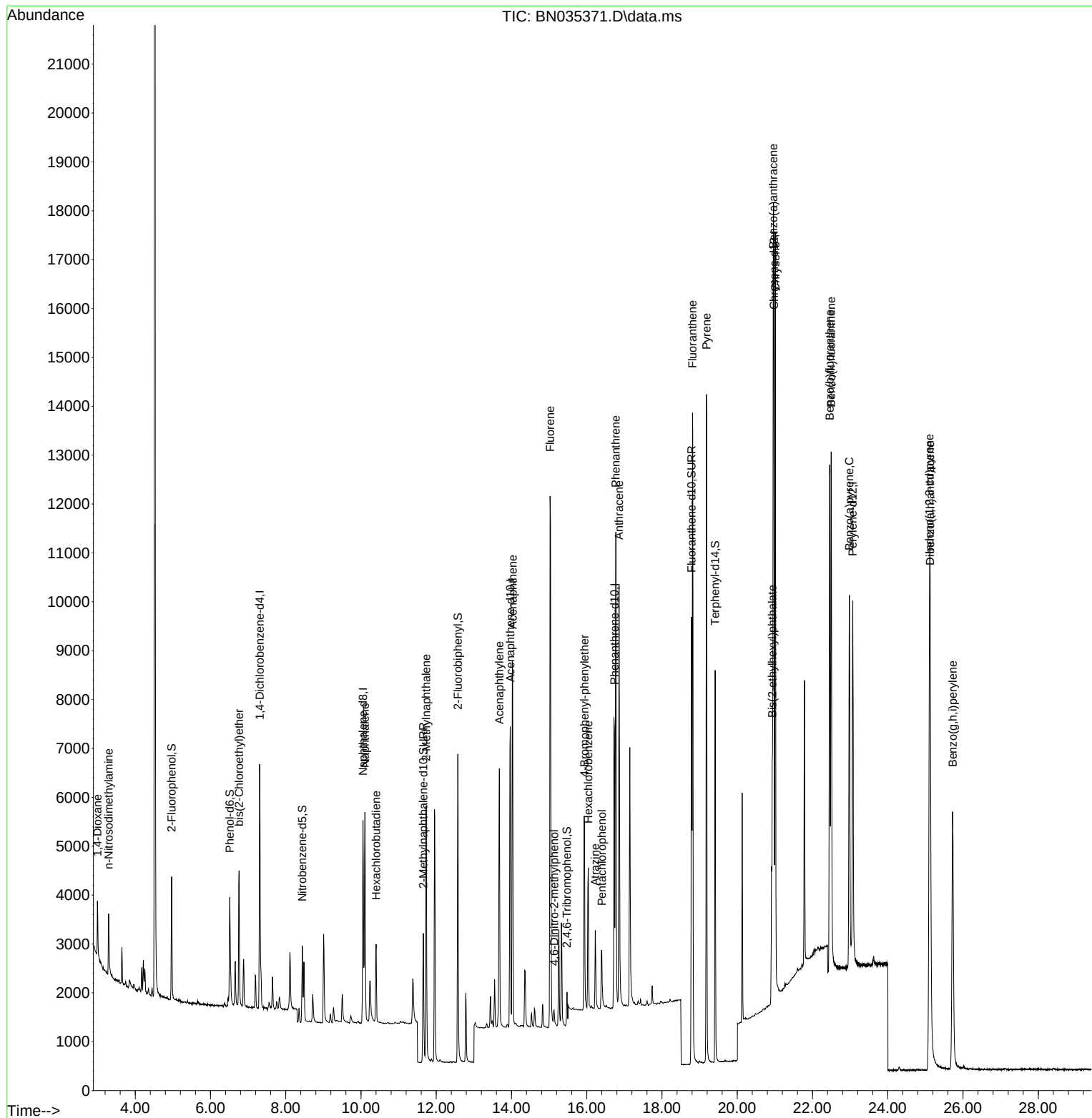
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	2376	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5724	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	3806	0.400	ng	0.00
19) Phenanthrene-d10	16.735	188	9566	0.400	ng	0.00
29) Chrysene-d12	20.974	240	8948	0.400	ng	0.00
35) Perylene-d12	23.070	264	9280	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	2117	0.356	ng	0.00
5) Phenol-d6	6.513	99	2409	0.337	ng	0.00
8) Nitrobenzene-d5	8.440	82	1590	0.455	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	4544	0.507	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	658	0.244	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	6011	0.418	ng	0.00
27) Fluoranthene-d10	18.784	212	10713	0.395	ng	0.00
31) Terphenyl-d14	19.412	244	7957	0.451	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.996	88	783	0.345	ng	# 72
3) n-Nitrosodimethylamine	3.292	42	727	0.384	ng	# 97
6) bis(2-Chloroethyl)ether	6.759	93	2213	0.368	ng	99
9) Naphthalene	10.105	128	5692	0.377	ng	99
10) Hexachlorobutadiene	10.404	225	1371	0.394	ng	# 100
12) 2-Methylnaphthalene	11.732	142	3934	0.364	ng	99
16) Acenaphthylene	13.678	152	6299	0.394	ng	100
17) Acenaphthene	14.031	154	4018	0.379	ng	99
18) Fluorene	15.026	166	5740	0.378	ng	98
20) 4,6-Dinitro-2-methylph...	15.132	198	344	0.366	ng	96
21) 4-Bromophenyl-phenylether	15.941	248	2102	0.376	ng	97
22) Hexachlorobenzene	16.040	284	2466	0.375	ng	99
23) Atrazine	16.227	200	1420	0.357	ng	97
24) Pentachlorophenol	16.400	266	828	0.290	ng	# 84
25) Phenanthrene	16.773	178	10055	0.383	ng	100
26) Anthracene	16.860	178	9171	0.386	ng	100
28) Fluoranthene	18.812	202	12304	0.347	ng	100
30) Pyrene	19.179	202	12695	0.384	ng	100
32) Benzo(a)anthracene	20.956	228	11626	0.371	ng	100
33) Chrysene	21.009	228	12682	0.393	ng	100
34) Bis(2-ethylhexyl)phtha...	20.929	149	4303	0.348	ng	100
36) Indeno(1,2,3-cd)pyrene	25.108	276	14123	0.389	ng	99
37) Benzo(b)fluoranthene	22.456	252	12457	0.367	ng	99
38) Benzo(k)fluoranthene	22.497	252	13182	0.394	ng	99
39) Benzo(a)pyrene	22.980	252	11277	0.403	ng	99
40) Dibenzo(a,h)anthracene	25.128	278	10990	0.384	ng	99
41) Benzo(g,h,i)perylene	25.725	276	10607	0.355	ng	99

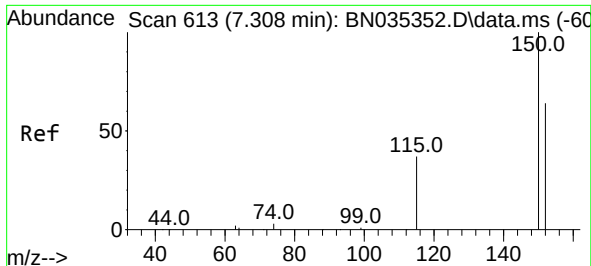
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035371.D
Acq On : 28 Nov 2024 06:39
Operator : RC/JU
Sample : PB165198BSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB165198BSD

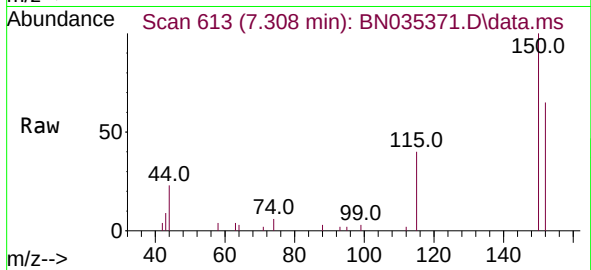
Quant Time: Nov 28 07:04:26 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration



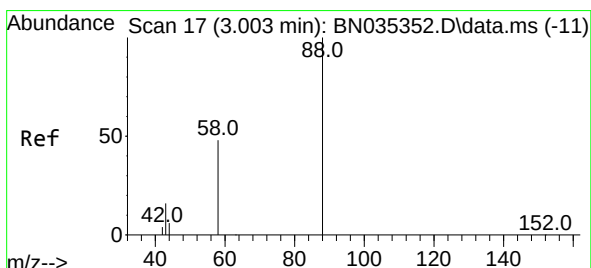
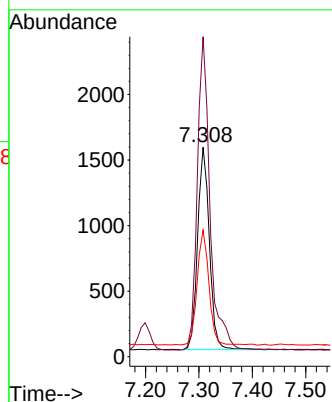
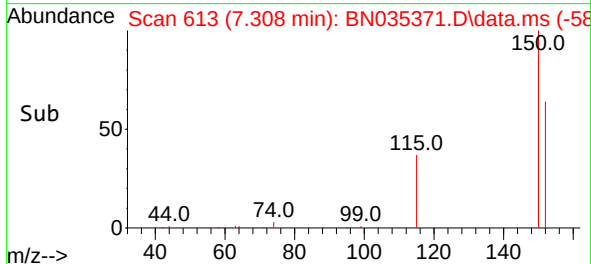


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.308 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN035371.D
 Acq: 28 Nov 2024 06:39

Instrument :
 BNA_N
 ClientSampleId :
 PB165198BSD

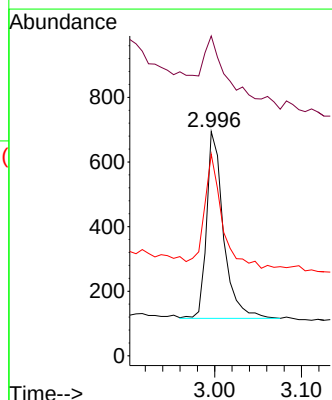
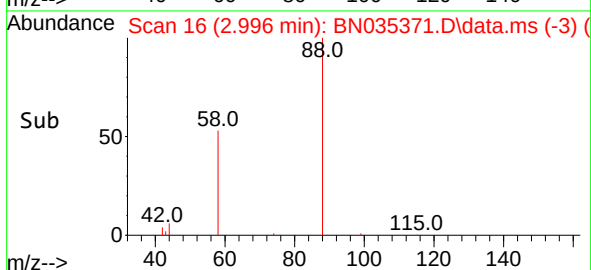
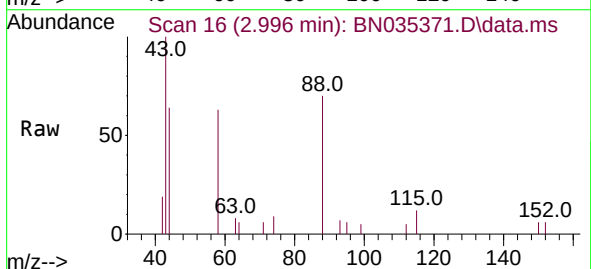


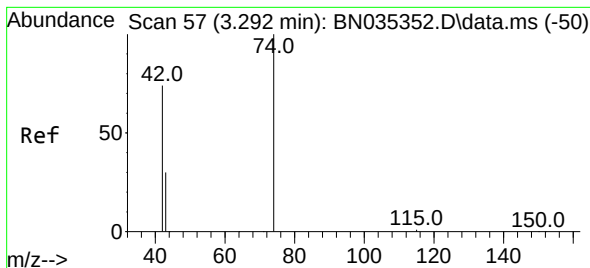
Tgt Ion:152 Resp: 2376
 Ion Ratio Lower Upper
 152 100
 150 152.8 124.0 186.0
 115 60.4 49.6 74.4



#2
 1,4-Dioxane
 Concen: 0.345 ng
 RT: 2.996 min Scan# 16
 Delta R.T. -0.007 min
 Lab File: BN035371.D
 Acq: 28 Nov 2024 06:39

Tgt Ion: 88 Resp: 783
 Ion Ratio Lower Upper
 88 100
 43 58.7 17.2 25.8#
 58 62.1 44.5 66.7





#3

n-Nitrosodimethylamine

Concen: 0.384 ng

RT: 3.292 min Scan# 51

Delta R.T. -0.000 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

Instrument :

BNA_N

ClientSampleId :

PB165198BSD

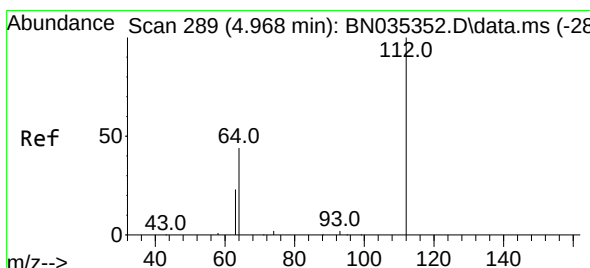
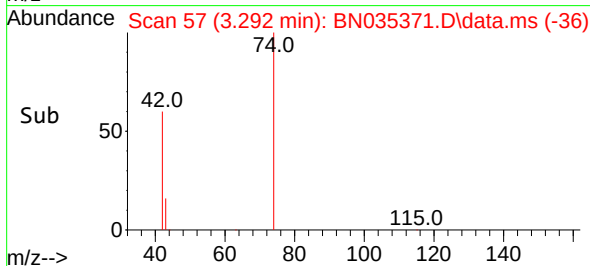
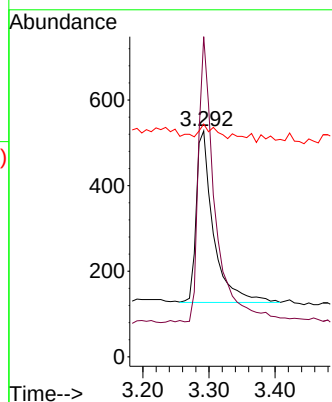
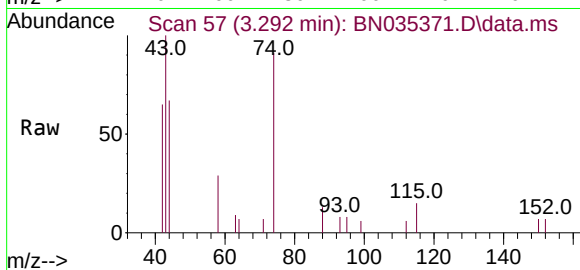
Tgt Ion: 42 Resp: 727

Ion Ratio Lower Upper

42 100

74 159.8 124.9 187.3

44 7.0 2.2 3.4#



#4

2-Fluorophenol

Concen: 0.356 ng

RT: 4.968 min Scan# 289

Delta R.T. -0.000 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

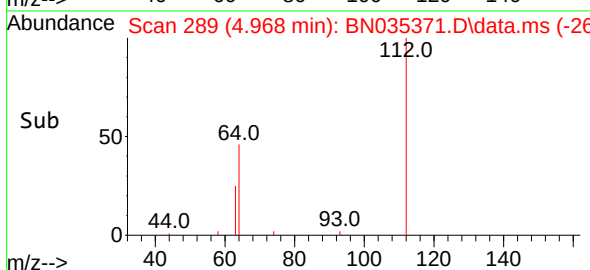
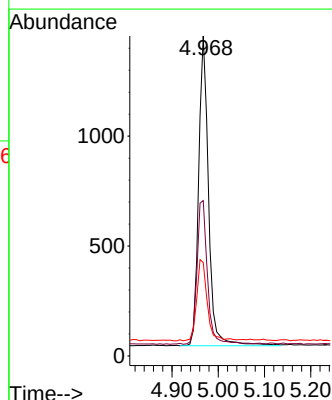
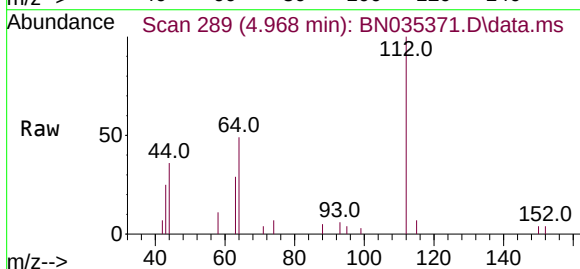
Tgt Ion: 112 Resp: 2117

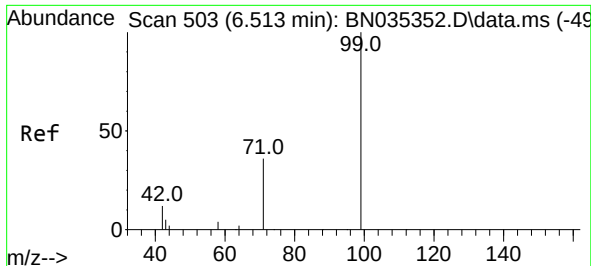
Ion Ratio Lower Upper

112 100

64 48.9 39.8 59.8

63 27.9 21.0 31.6

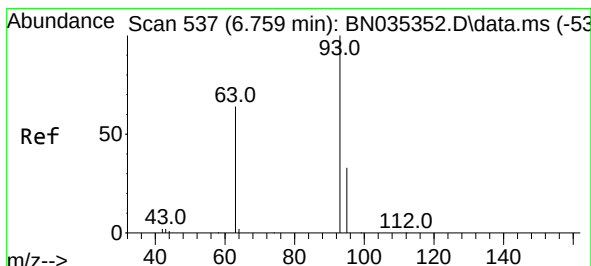
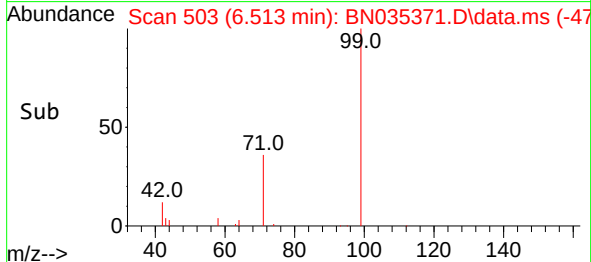
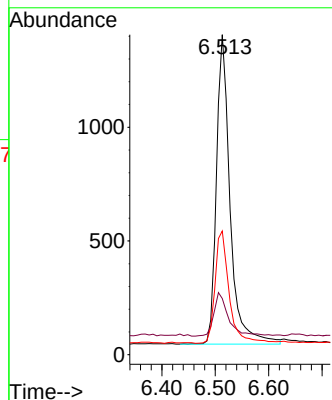
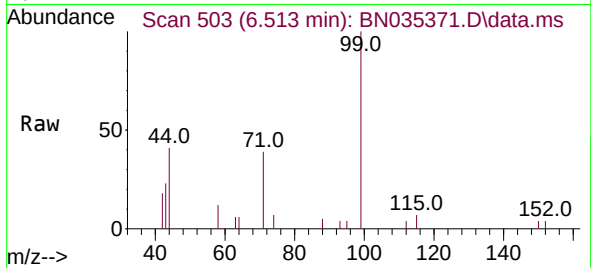




#5
Phenol-d6
Concen: 0.337 ng
RT: 6.513 min Scan# 503
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

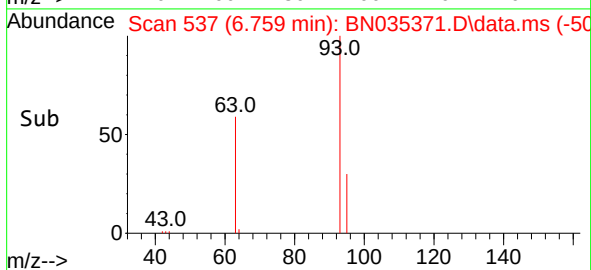
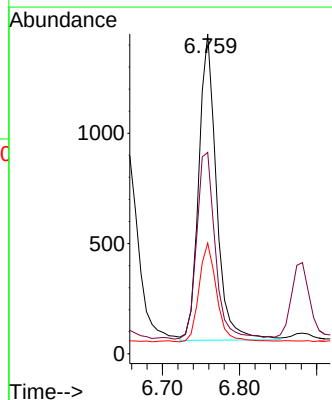
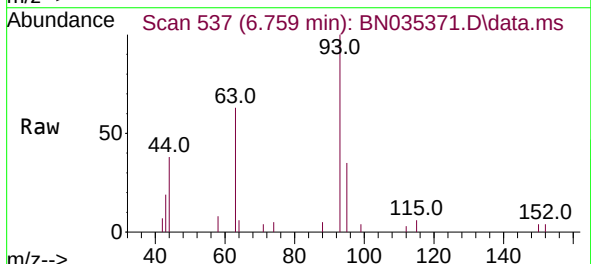
Instrument :
BNA_N
ClientSampleId :
PB165198BSD

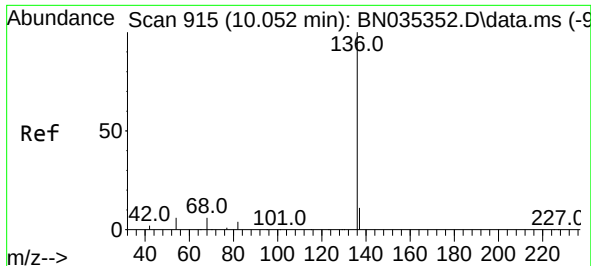
Tgt Ion:	99	Resp:	2409
Ion	Ratio	Lower	Upper
99	100		
42	15.1	11.4	17.2
71	37.7	29.3	43.9



#6
bis(2-Chloroethyl)ether
Concen: 0.368 ng
RT: 6.759 min Scan# 537
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:	93	Resp:	2213
Ion	Ratio	Lower	Upper
93	100		
63	64.2	50.4	75.6
95	32.2	25.7	38.5

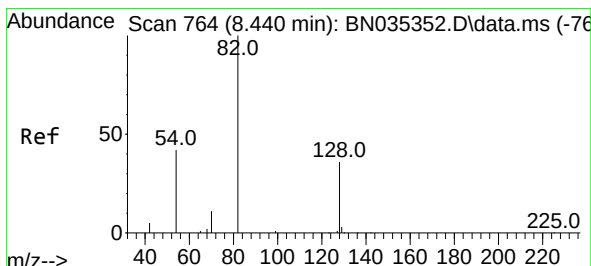
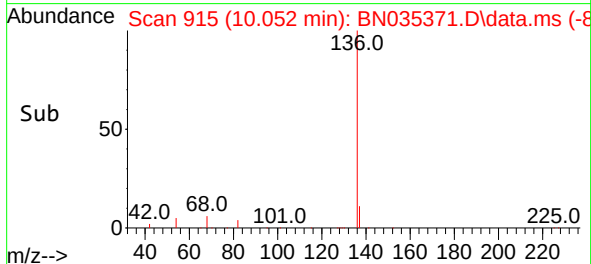
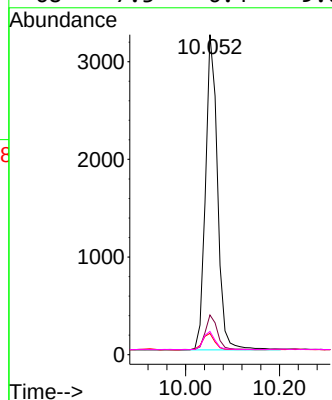
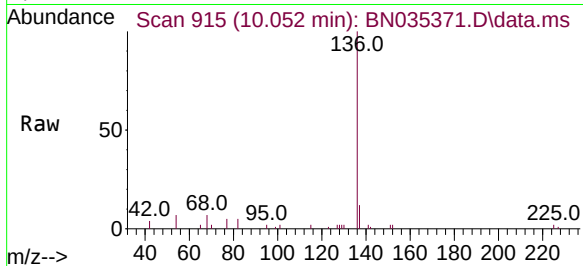




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

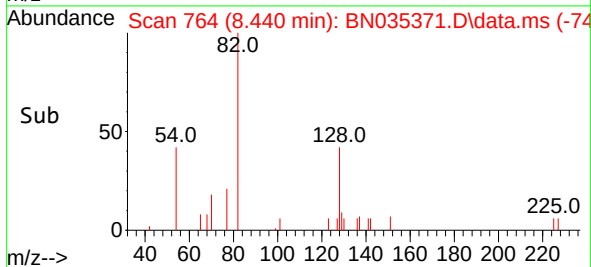
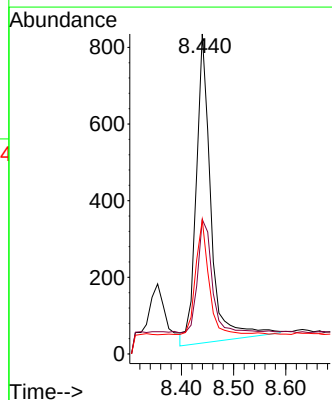
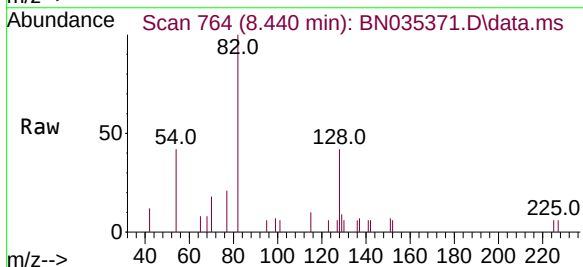
Instrument :
BNA_N
ClientSampleId :
PB165198BSD

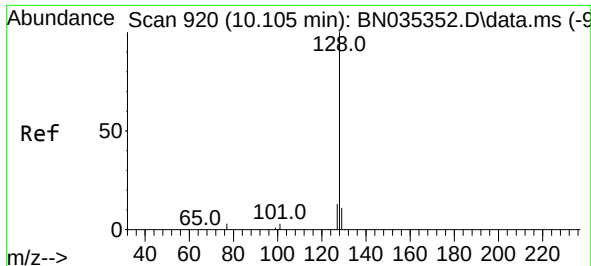
Tgt Ion:	136	Resp:	5724
Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.2	15.2
54	6.7	6.1	9.1
68	7.3	6.4	9.6



#8
Nitrobenzene-d5
Concen: 0.455 ng
RT: 8.440 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:	82	Resp:	1590
Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.4	50.0
54	41.9	36.7	55.1

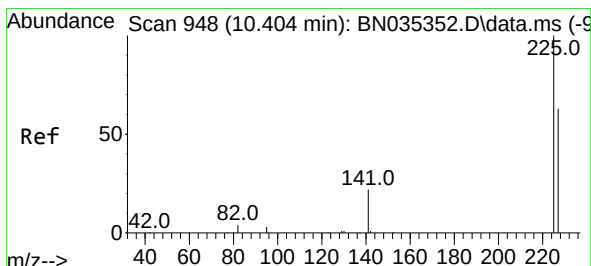
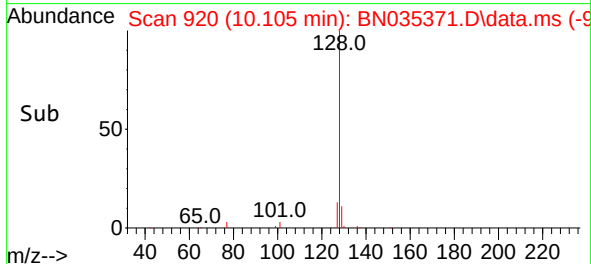
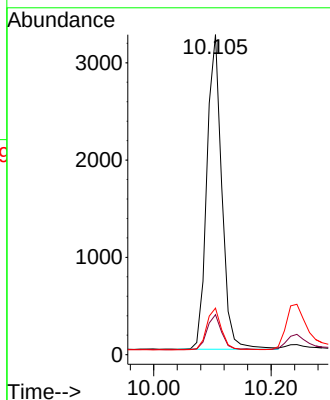
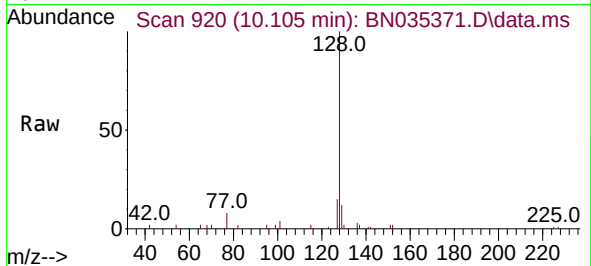




#9
Naphthalene
Concen: 0.377 ng
RT: 10.105 min Scan# 911
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

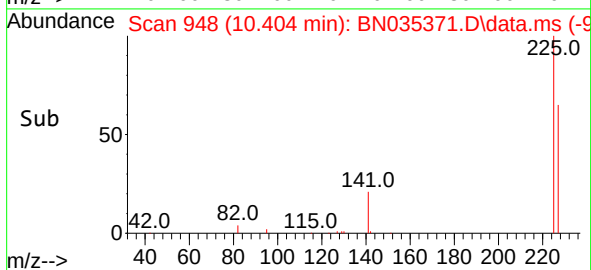
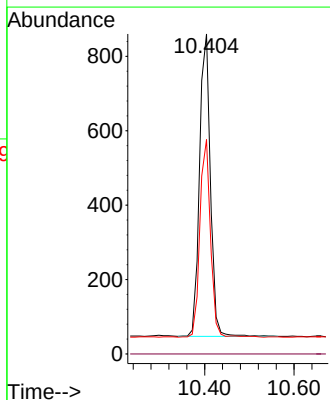
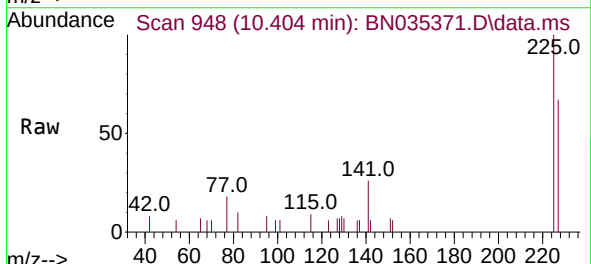
Instrument :
BNA_N
ClientSampleId :
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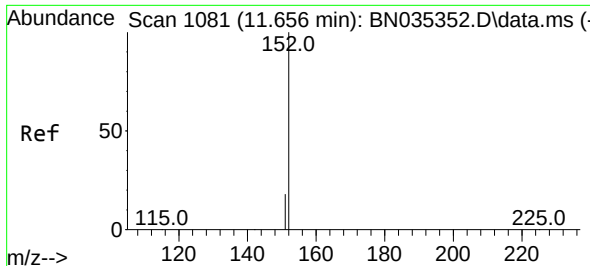
Tgt Ion:128 Resp: 5692
Ion Ratio Lower Upper
128 100
129 12.5 9.8 14.6
127 14.5 11.4 17.2



#10
Hexachlorobutadiene
Concen: 0.394 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:225 Resp: 1371
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 51.3 76.9

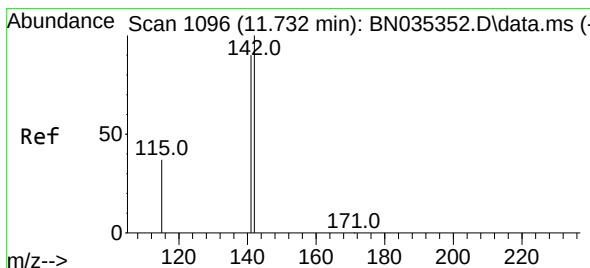
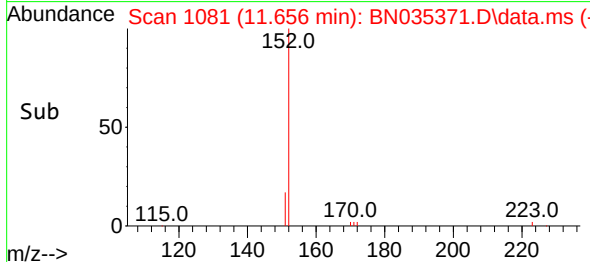
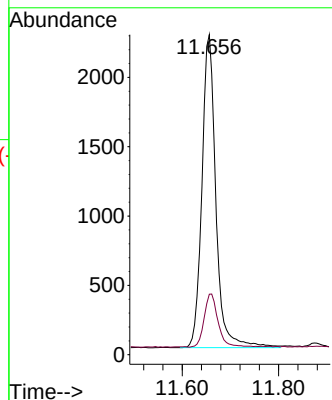
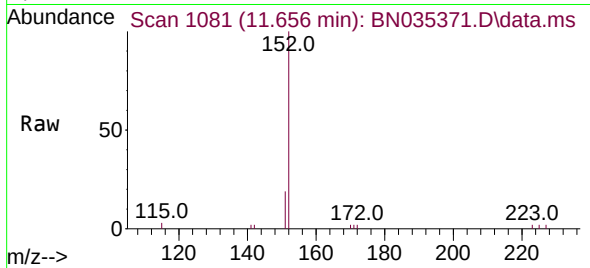




#11
2-Methylnaphthalene-d10
Concen: 0.507 ng
RT: 11.656 min Scan# 1081
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

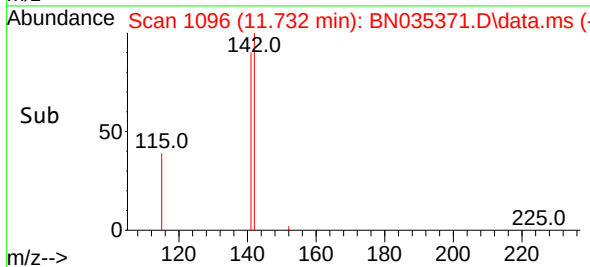
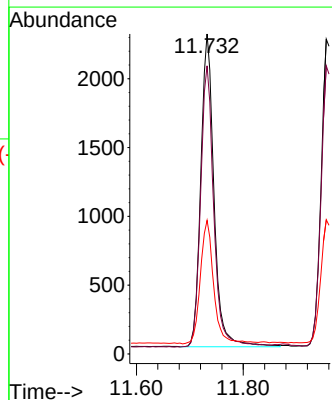
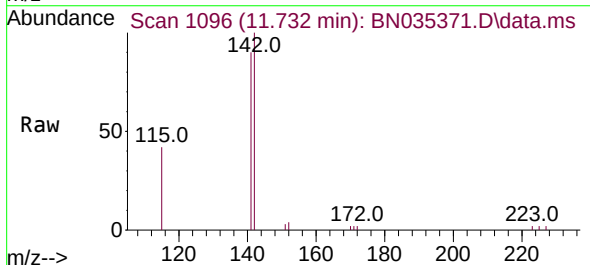
Instrument :
BNA_N
ClientSampleId :
PB165198BSD

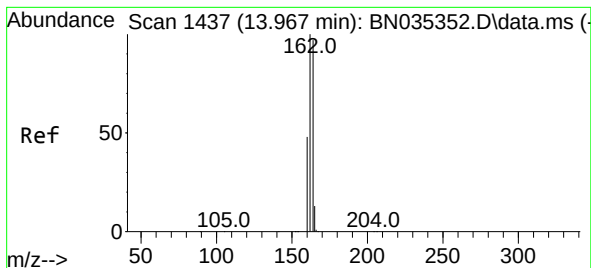
Tgt Ion:152 Resp: 4544
Ion Ratio Lower Upper
152 100
151 16.9 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.364 ng
RT: 11.732 min Scan# 1096
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:142 Resp: 3934
Ion Ratio Lower Upper
142 100
141 90.1 72.2 108.4
115 41.8 31.4 47.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.967 min Scan# 14

Delta R.T. -0.000 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

Instrument :

BNA_N

ClientSampleId :

PB165198BSD

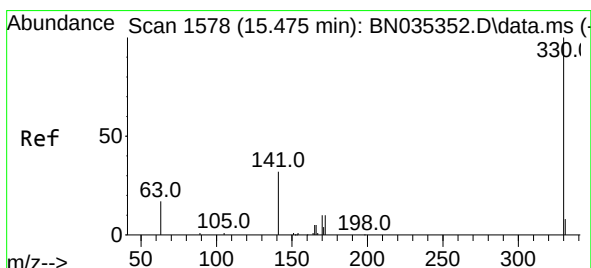
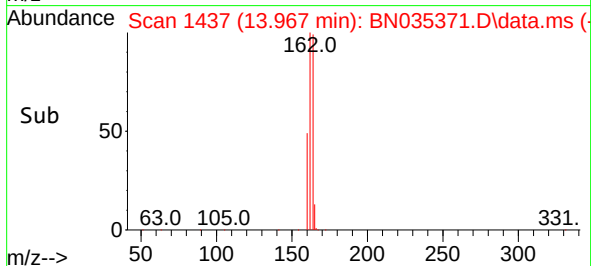
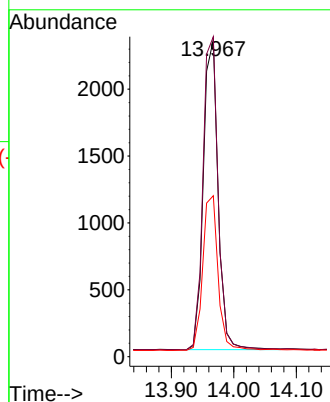
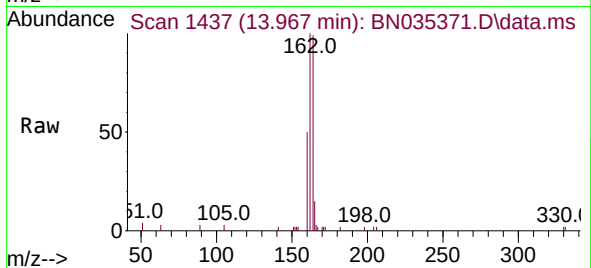
Tgt Ion:164 Resp: 3806

Ion Ratio Lower Upper

164 100

162 101.0 82.2 123.2

160 50.8 40.1 60.1



#14

2,4,6-Tribromophenol

Concen: 0.244 ng

RT: 15.475 min Scan# 1578

Delta R.T. -0.000 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

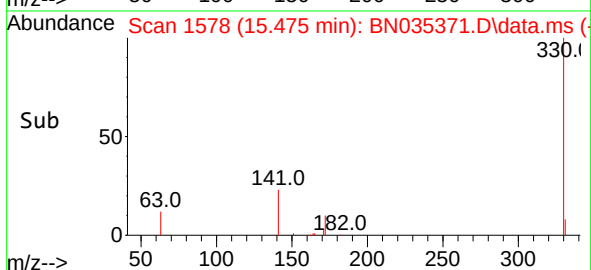
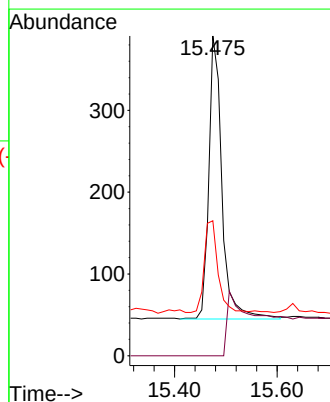
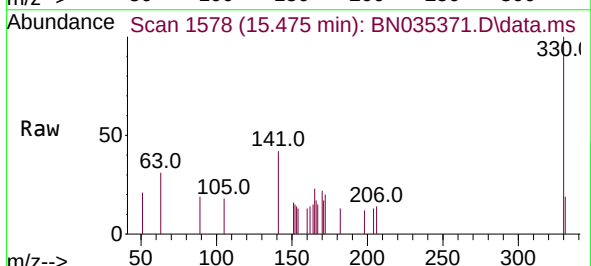
Tgt Ion:330 Resp: 658

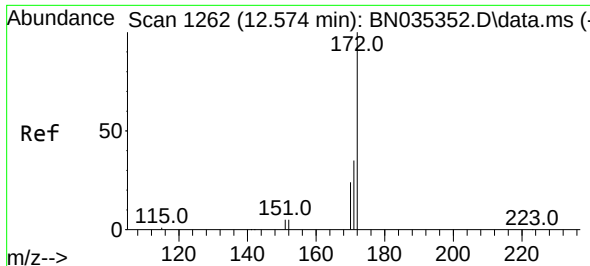
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 35.0 26.6 40.0

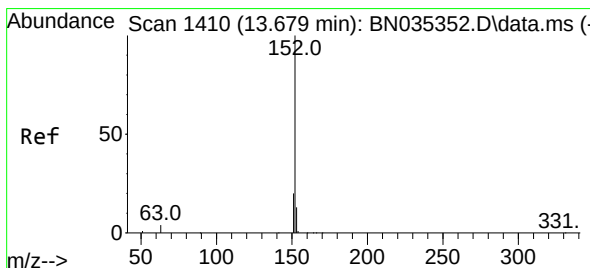
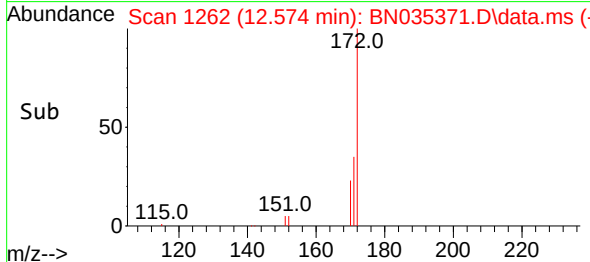
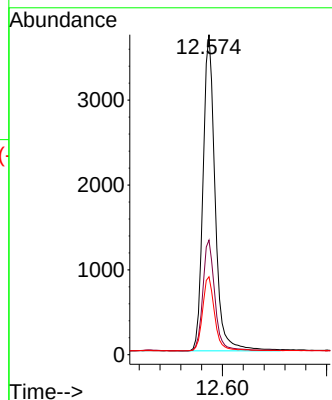
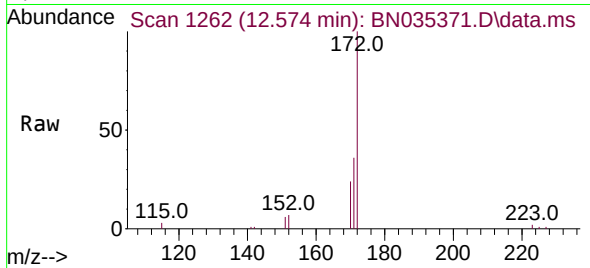




#15
2-Fluorobiphenyl
Concen: 0.418 ng
RT: 12.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

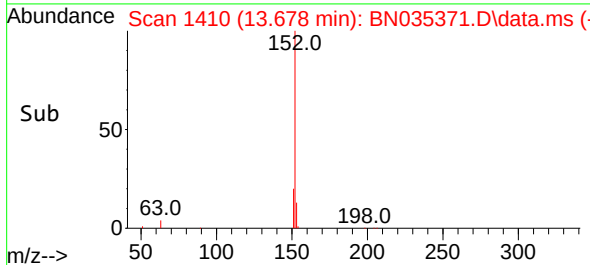
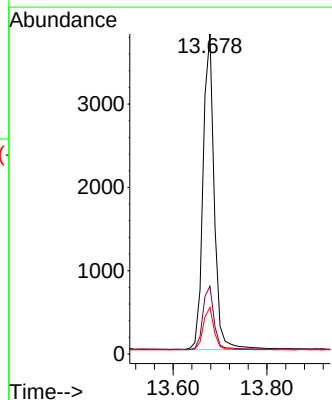
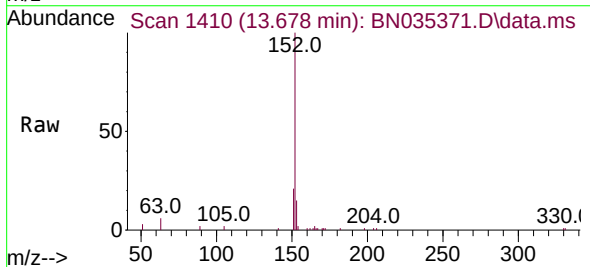
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BNA_N
ClientSampleId :
PB165198BSD

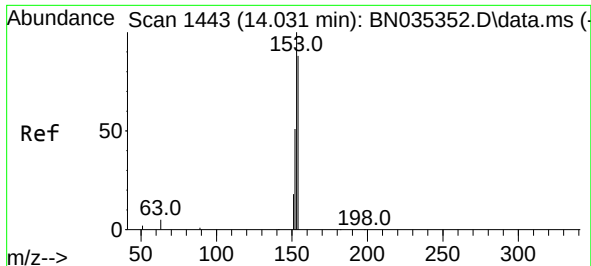
Tgt Ion:172 Resp: 6011
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.4
170 24.3 19.8 29.8



#16
Acenaphthylene
Concen: 0.394 ng
RT: 13.678 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:152 Resp: 6299
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.1 10.4 15.6

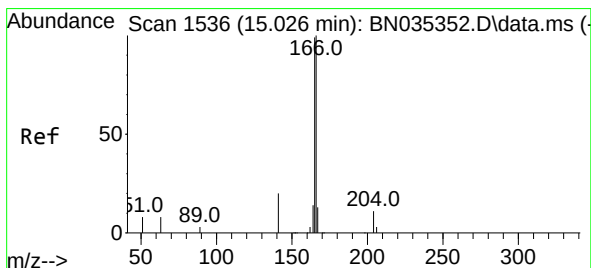
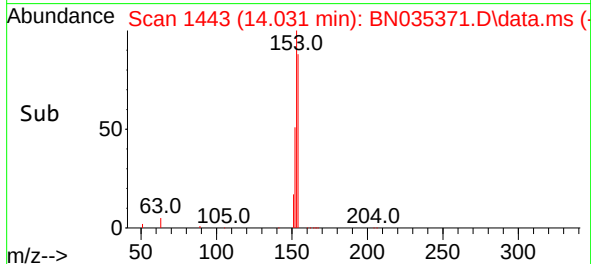
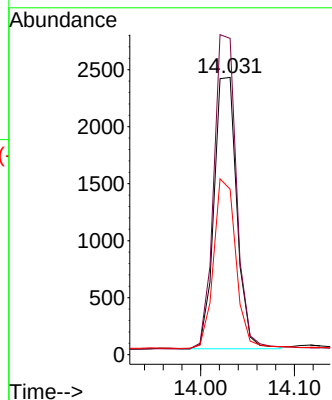
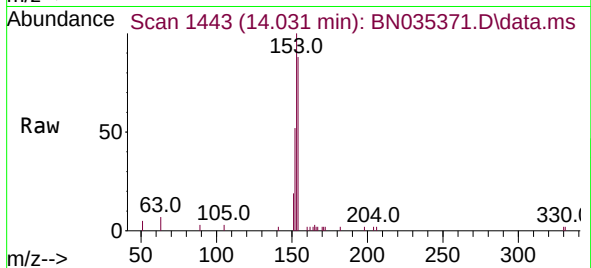




#17
Acenaphthene
Concen: 0.379 ng
RT: 14.031 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

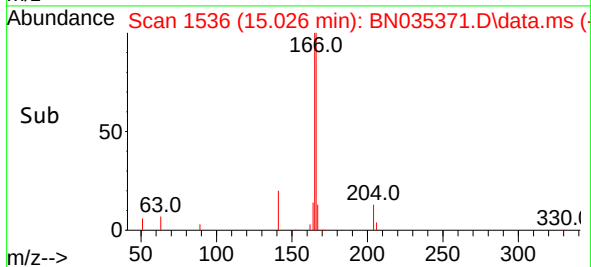
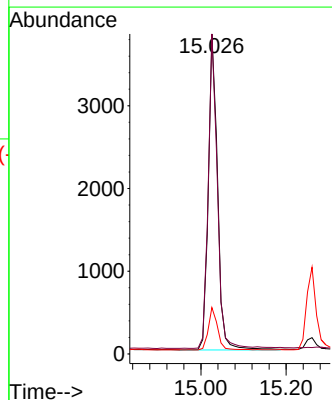
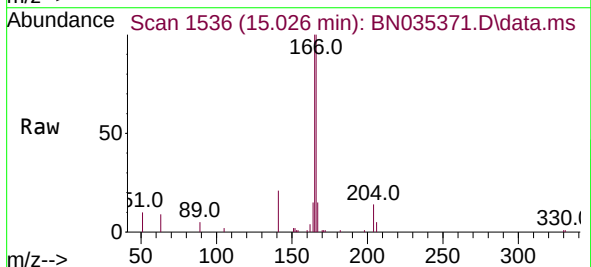
Instrument :
BNA_N
ClientSampleId :
PB165198BSD

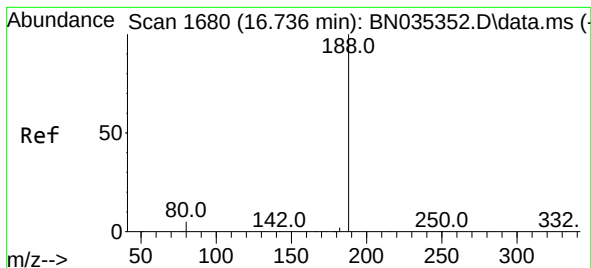
Tgt Ion:154 Resp: 4018
Ion Ratio Lower Upper
154 100
153 116.3 92.6 139.0
152 62.2 49.0 73.6



#18
Fluorene
Concen: 0.378 ng
RT: 15.026 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:166 Resp: 5740
Ion Ratio Lower Upper
166 100
165 97.3 79.7 119.5
167 13.5 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.735 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

Instrument :

BNA_N

ClientSampleId :

PB165198BSD

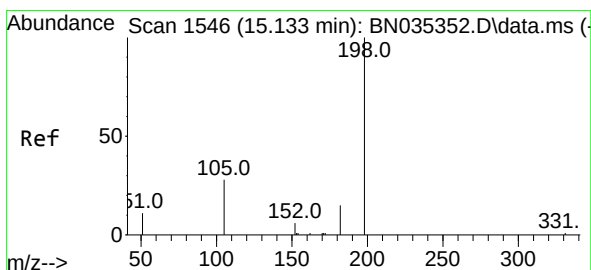
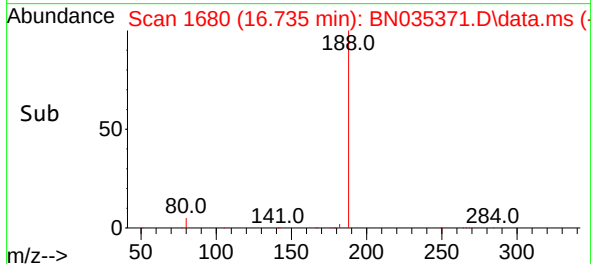
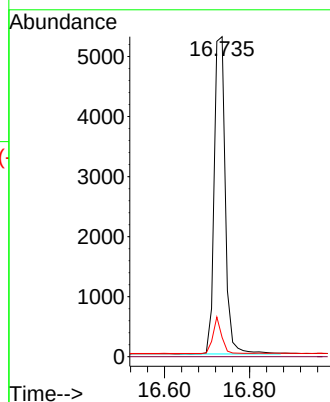
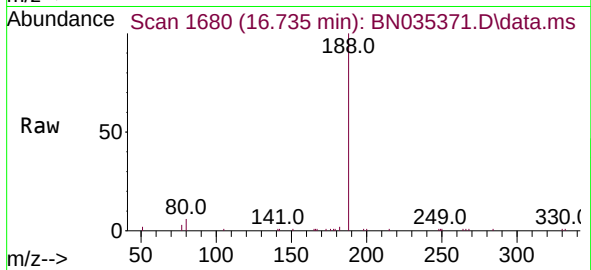
Tgt Ion:188 Resp: 9566

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.0 4.6 6.8



#20

4,6-Dinitro-2-methylphenol

Concen: 0.366 ng

RT: 15.132 min Scan# 1546

Delta R.T. -0.001 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

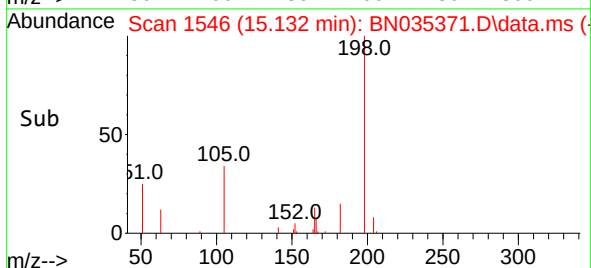
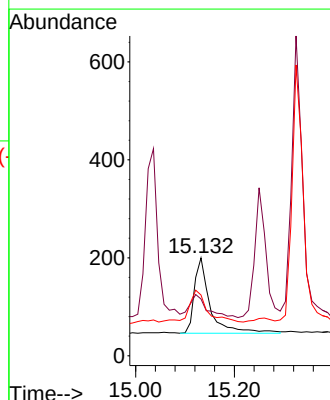
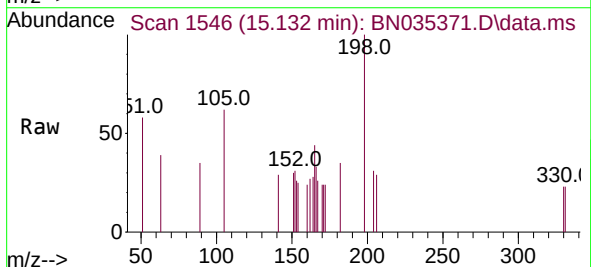
Tgt Ion:198 Resp: 344

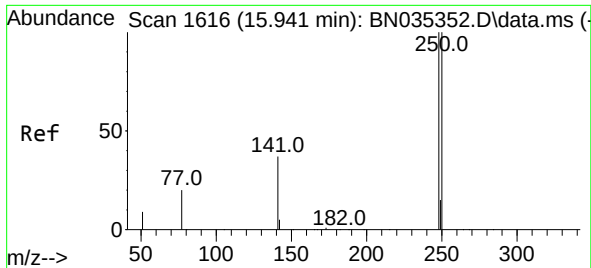
Ion Ratio Lower Upper

198 100

51 58.0 46.5 69.7

105 62.0 45.3 67.9

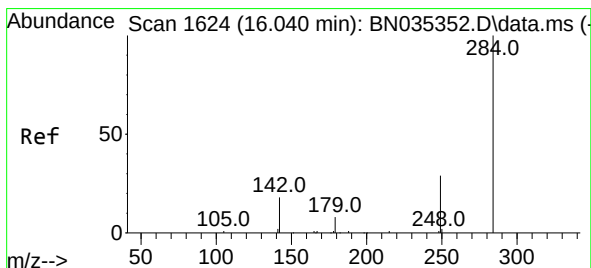
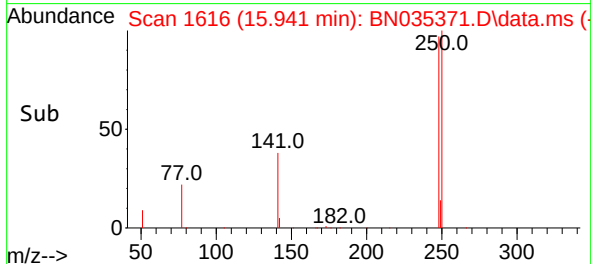
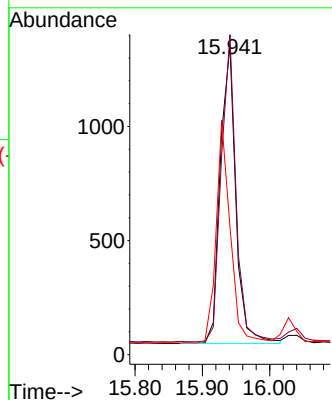
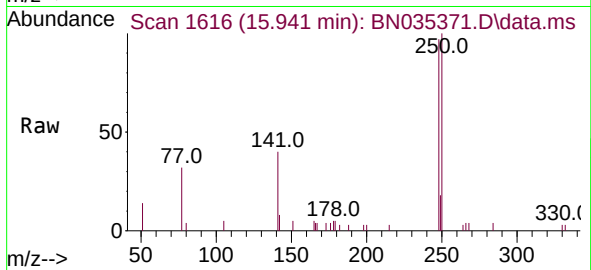




#21
4-Bromophenyl-phenylether
Concen: 0.376 ng
RT: 15.941 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

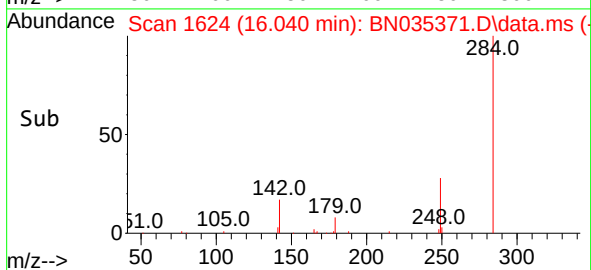
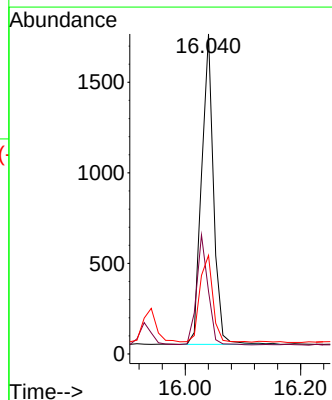
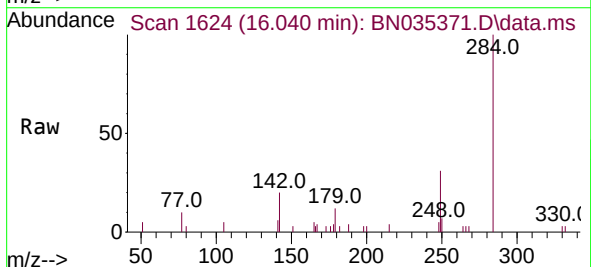
Instrument :
BNA_N
ClientSampleId :
PB165198BSD

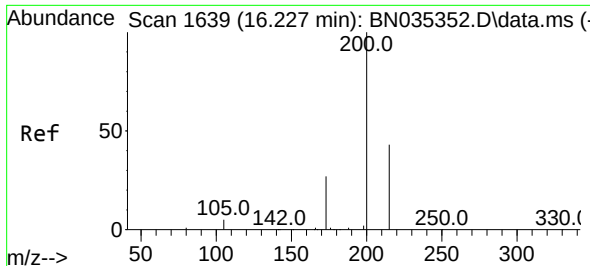
Tgt Ion:248 Resp: 2102
Ion Ratio Lower Upper
248 100
250 103.4 80.6 120.8
141 41.4 31.5 47.3



#22
Hexachlorobenzene
Concen: 0.375 ng
RT: 16.040 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:284 Resp: 2466
Ion Ratio Lower Upper
284 100
142 34.3 26.7 40.1
249 30.7 24.6 36.8

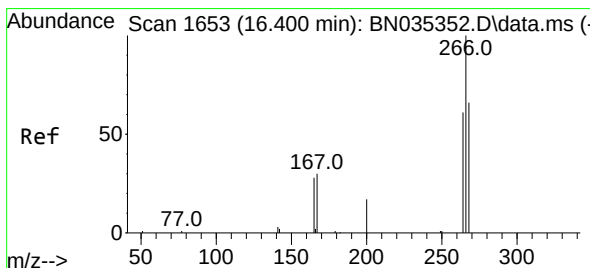
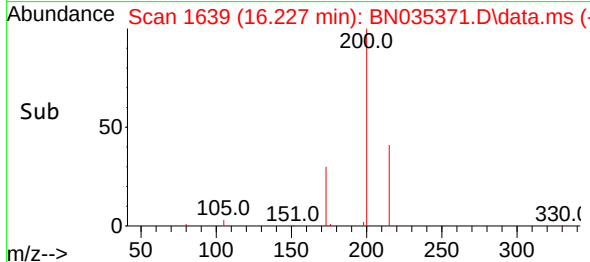
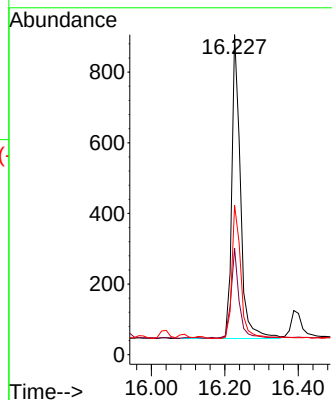
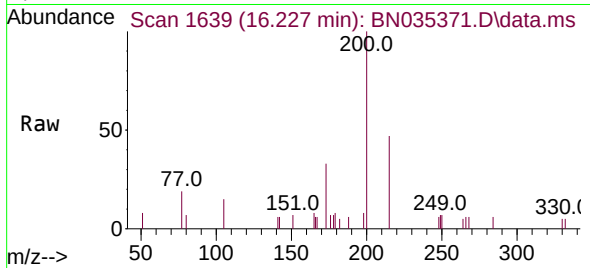




#23
 Atrazine
 Concen: 0.357 ng
 RT: 16.227 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: BN035371.D
 Acq: 28 Nov 2024 06:39

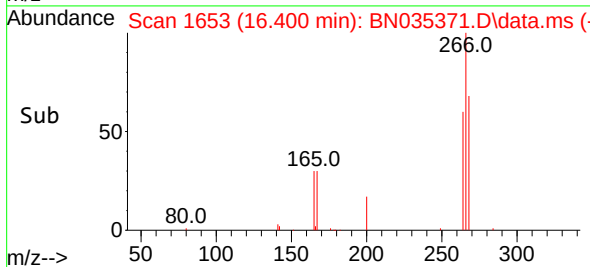
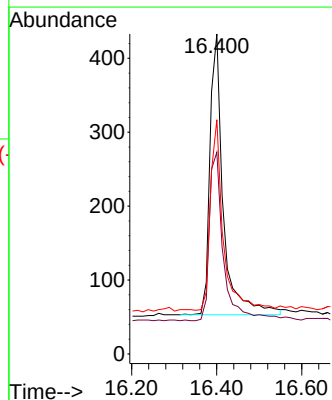
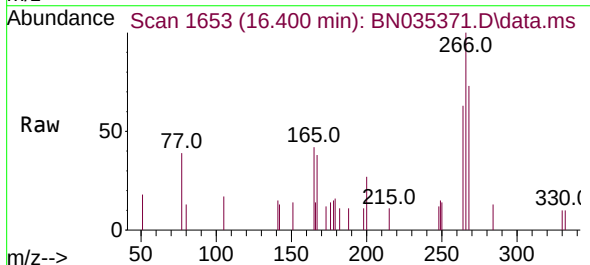
Instrument :
 BNA_N
 ClientSampleId :
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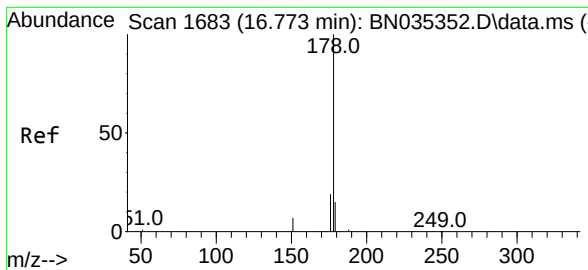
Tgt Ion:200 Resp: 1420
 Ion Ratio Lower Upper
 200 100
 173 33.3 24.1 36.1
 215 46.7 36.9 55.3



#24
 Pentachlorophenol
 Concen: 0.290 ng
 RT: 16.400 min Scan# 1653
 Delta R.T. -0.000 min
 Lab File: BN035371.D
 Acq: 28 Nov 2024 06:39

Tgt Ion:266 Resp: 828
 Ion Ratio Lower Upper
 266 100
 264 63.5 42.3 63.5#
 268 65.7 43.3 64.9#





#25

Phenanthrene

Concen: 0.383 ng

RT: 16.773 min Scan# 1683

Delta R.T. -0.000 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

Instrument :

BNA_N

ClientSampleId :

PB165198BSD

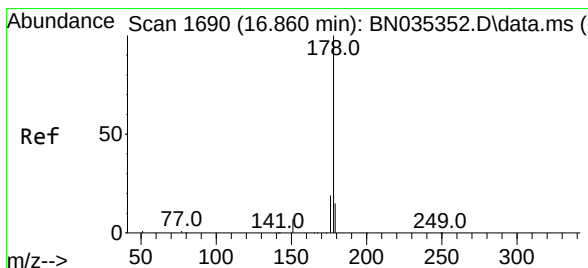
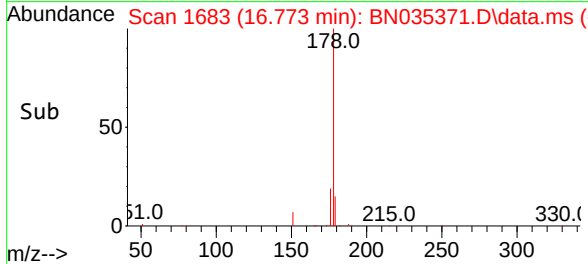
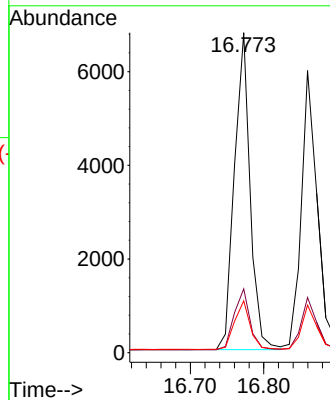
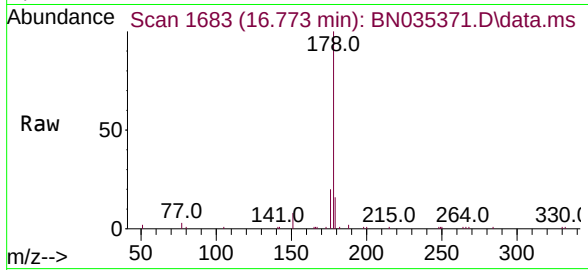
Tgt Ion:178 Resp: 10055

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.3 12.3 18.5



#26

Anthracene

Concen: 0.386 ng

RT: 16.860 min Scan# 1690

Delta R.T. -0.000 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

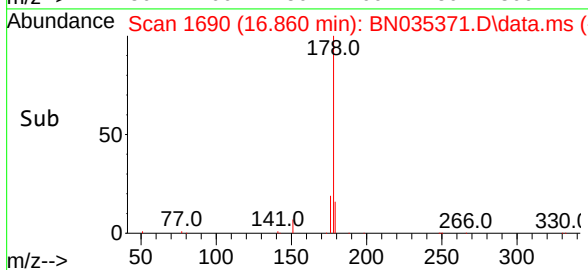
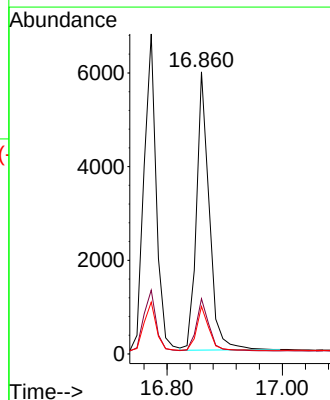
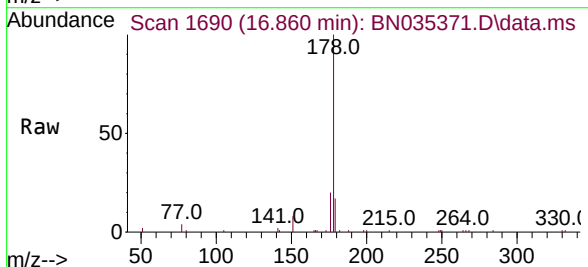
Tgt Ion:178 Resp: 9171

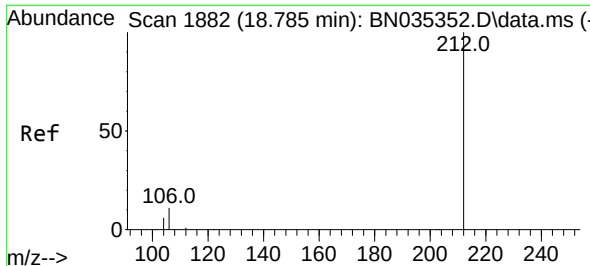
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.4 12.6 18.8

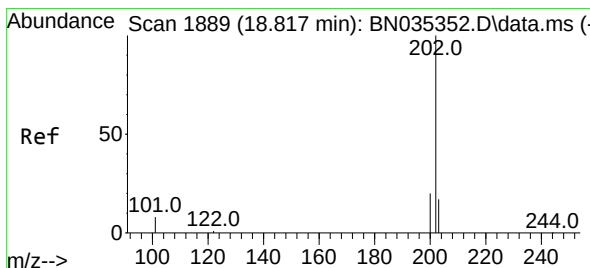
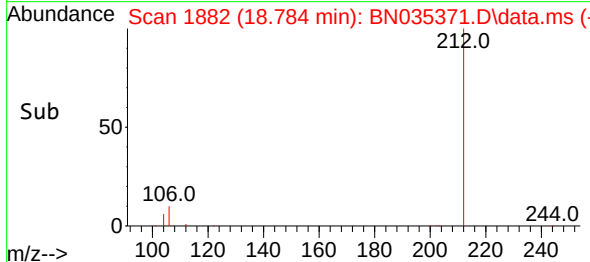
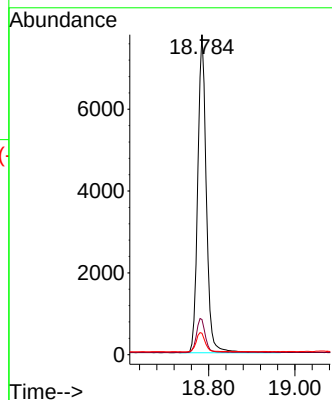
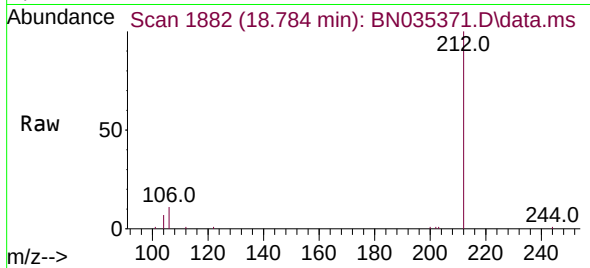




#27
Fluoranthene-d10
Concen: 0.395 ng
RT: 18.784 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

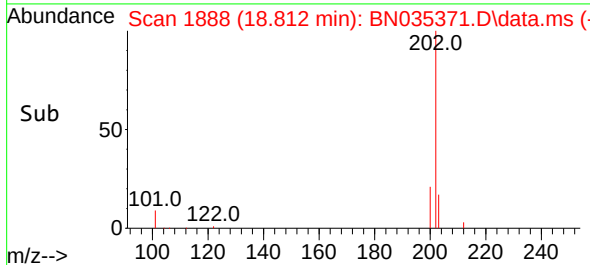
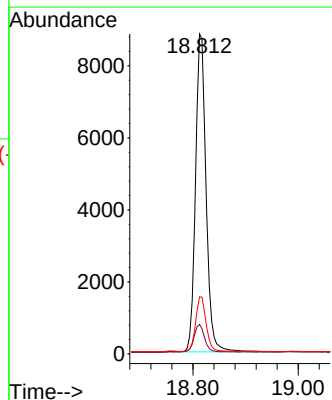
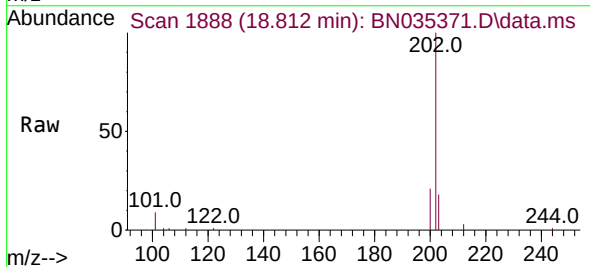
Instrument :
BNA_N
ClientSampleId :
PB165198BSD

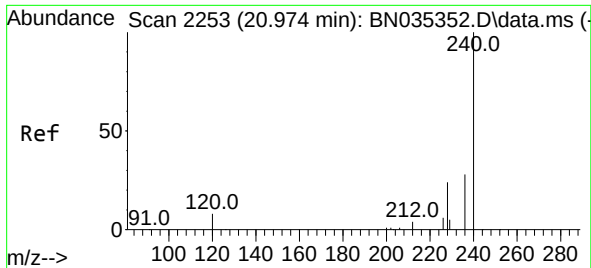
Tgt Ion:212 Resp: 10713
Ion Ratio Lower Upper
212 100
106 10.9 9.2 13.8
104 6.3 5.3 7.9



#28
Fluoranthene
Concen: 0.347 ng
RT: 18.812 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:202 Resp: 12304
Ion Ratio Lower Upper
202 100
101 8.9 7.4 11.0
203 17.0 13.7 20.5

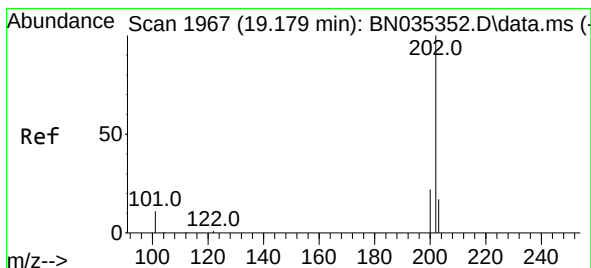
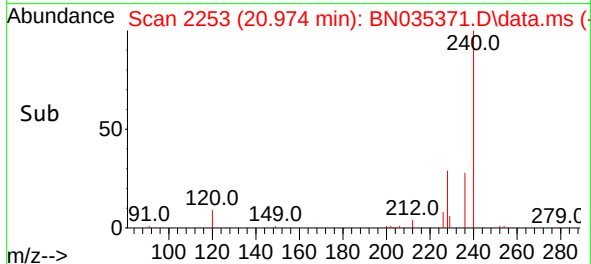
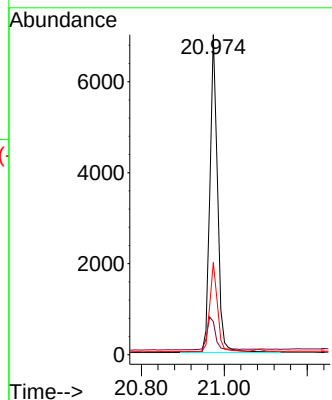
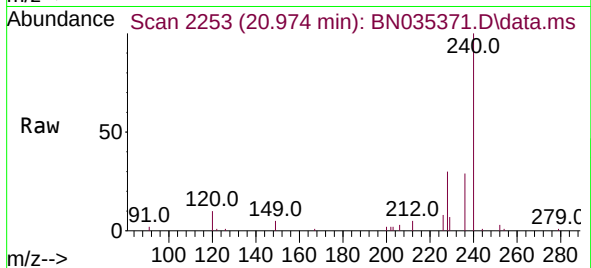




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

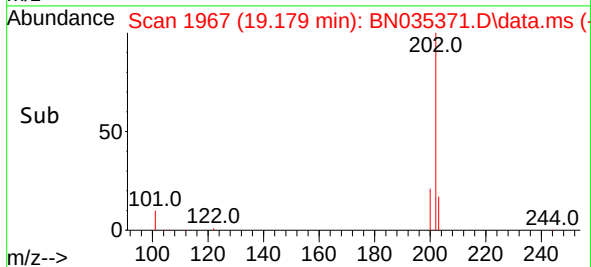
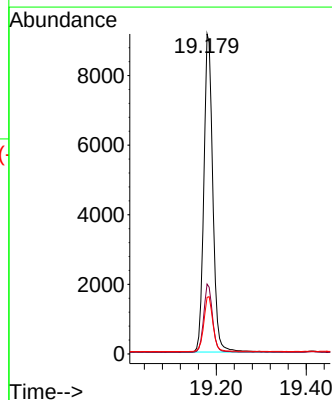
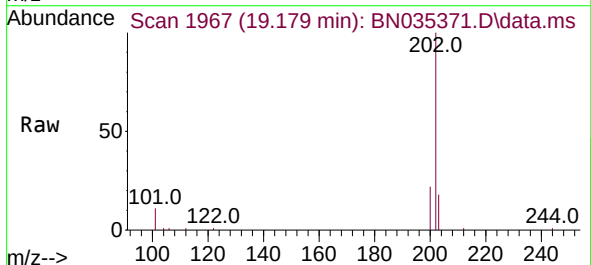
Instrument :
BNA_N
ClientSampleId :
PB165198BSD

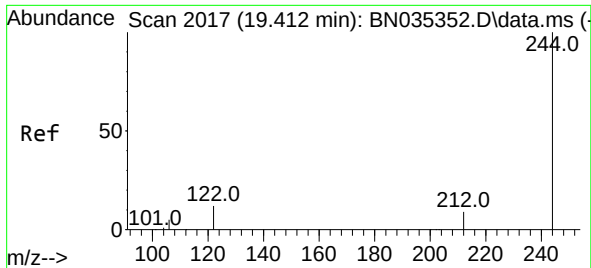
Tgt Ion:240 Resp: 8948
Ion Ratio Lower Upper
240 100
120 10.4 7.9 11.9
236 28.8 22.9 34.3



#30
Pyrene
Concen: 0.384 ng
RT: 19.179 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:202 Resp: 12695
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 17.6 14.3 21.5

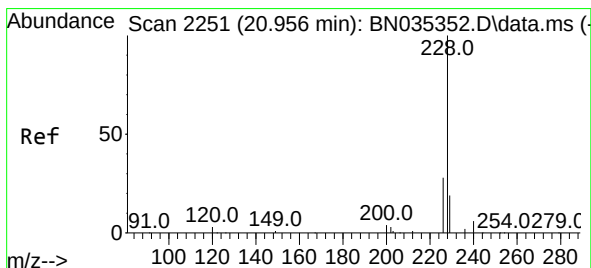
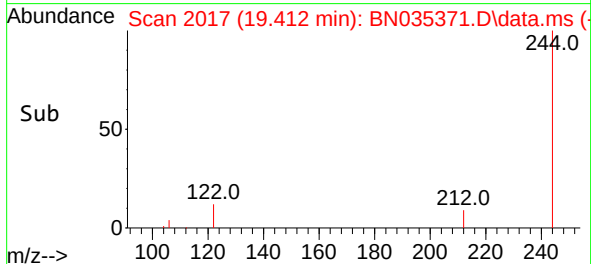
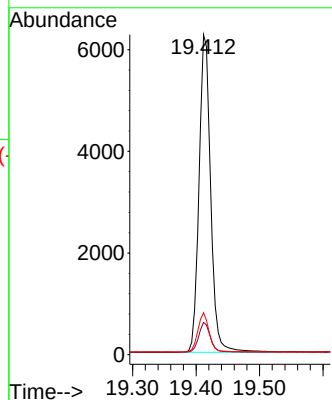
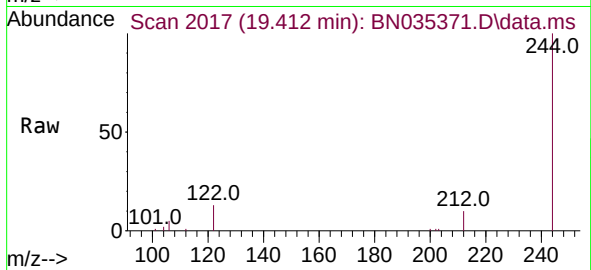




#31
 Terphenyl-d14
 Concen: 0.451 ng
 RT: 19.412 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: BN035371.D
 Acq: 28 Nov 2024 06:39

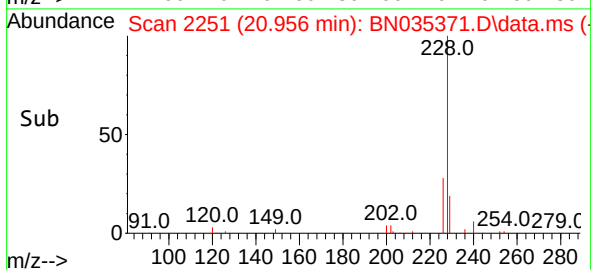
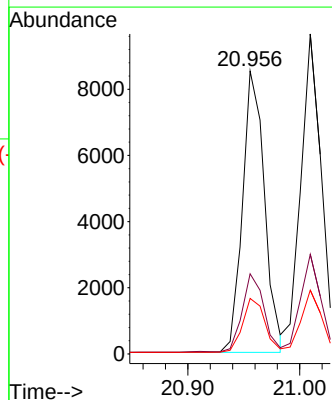
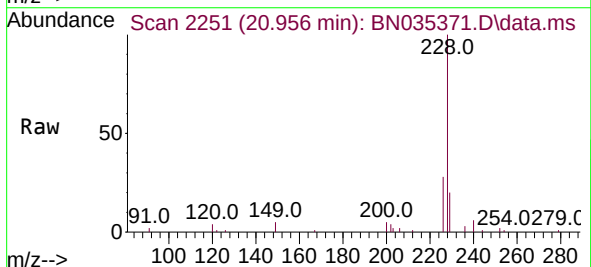
Instrument :
 BNA_N
 ClientSampleId :
 PB165198BSD

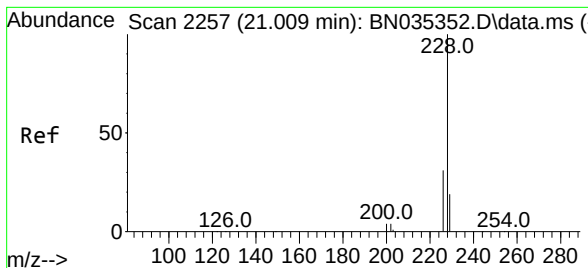
Tgt Ion:244 Resp: 7957
 Ion Ratio Lower Upper
 244 100
 212 10.1 8.1 12.1
 122 13.1 10.3 15.5



#32
 Benzo(a)anthracene
 Concen: 0.371 ng
 RT: 20.956 min Scan# 2251
 Delta R.T. -0.000 min
 Lab File: BN035371.D
 Acq: 28 Nov 2024 06:39

Tgt Ion:228 Resp: 11626
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.5 33.7
 229 19.6 15.8 23.8





#33

Chrysene

Concen: 0.393 ng

RT: 21.009 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

Instrument :

BNA_N

ClientSampleId :

PB165198BSD

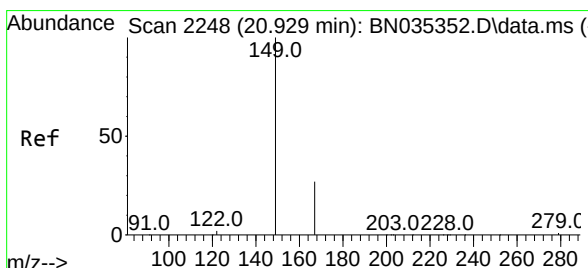
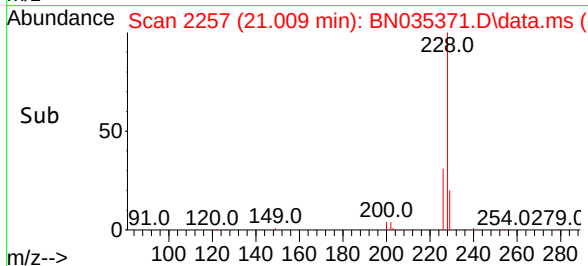
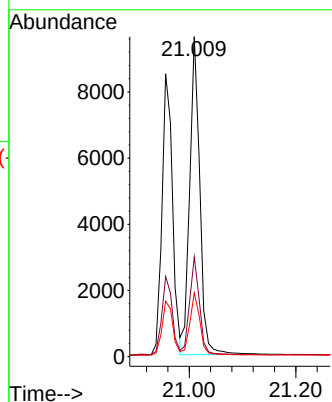
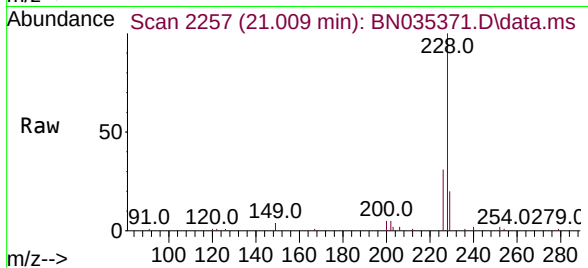
Tgt Ion:228 Resp: 12682

Ion Ratio Lower Upper

228 100

226 31.2 24.6 37.0

229 20.0 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.348 ng

RT: 20.929 min Scan# 2248

Delta R.T. -0.000 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

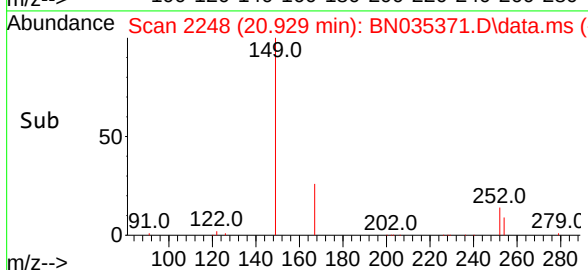
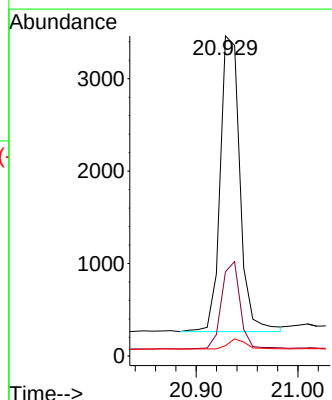
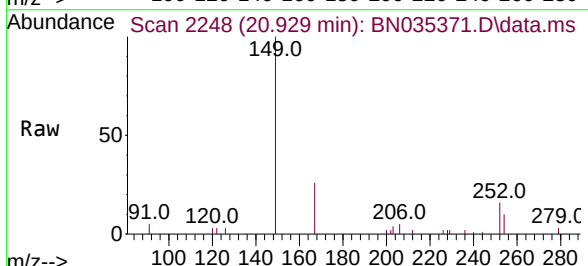
Tgt Ion:149 Resp: 4303

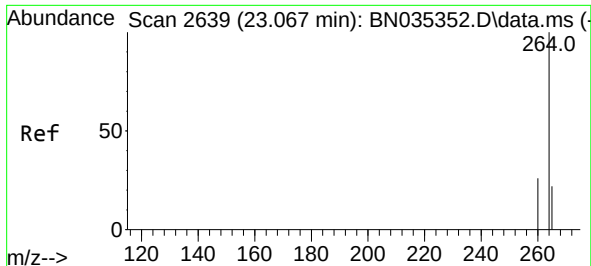
Ion Ratio Lower Upper

149 100

167 27.9 22.2 33.4

279 3.3 2.7 4.1

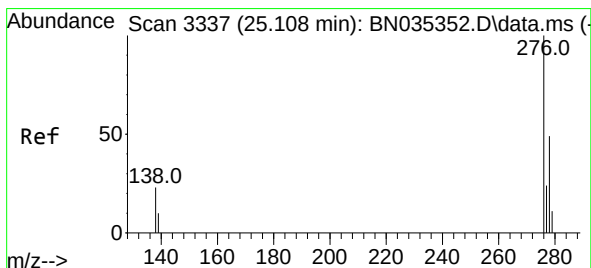
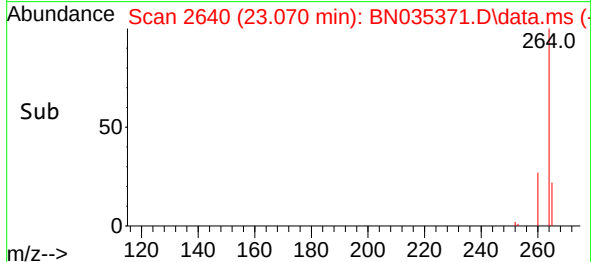
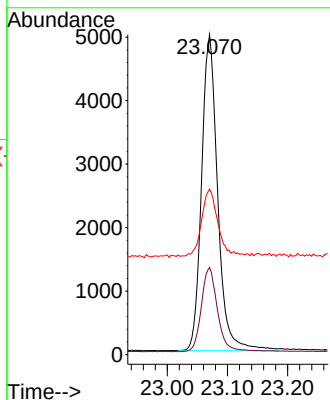
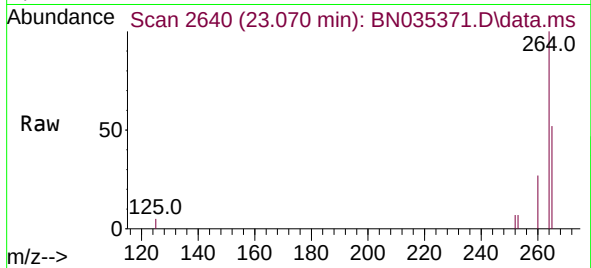




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.070 min Scan# 2640
Delta R.T. 0.003 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

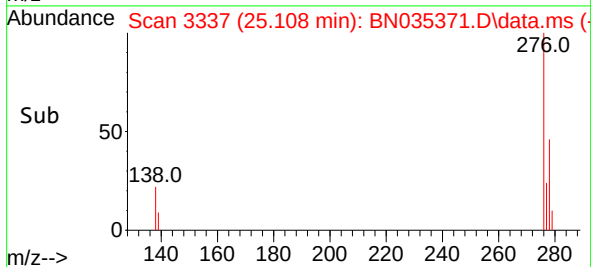
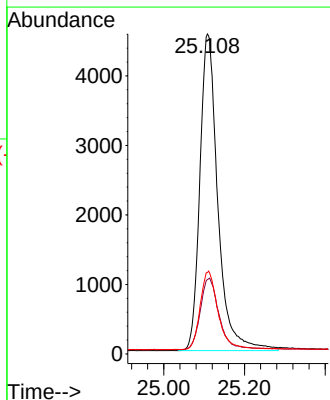
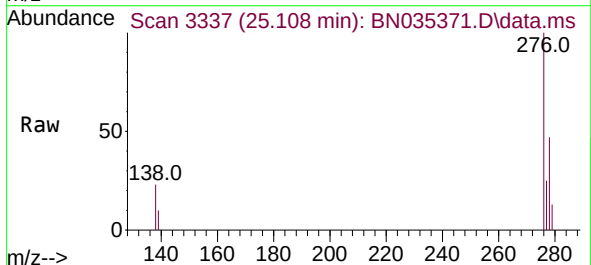
Instrument :
BNA_N
ClientSampleId :
PB165198BSD

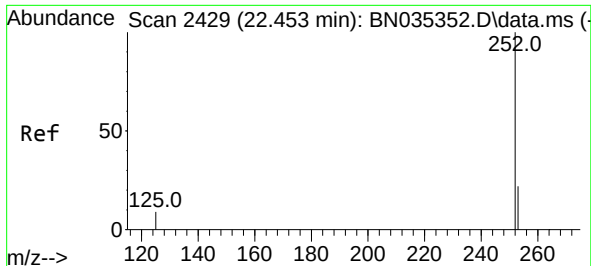
Tgt Ion:264 Resp: 9280
Ion Ratio Lower Upper
264 100
260 27.3 21.4 32.2
265 51.7 40.2 60.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.389 ng
RT: 25.108 min Scan# 3337
Delta R.T. -0.000 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:276 Resp: 14123
Ion Ratio Lower Upper
276 100
138 23.3 19.4 29.0
277 24.7 19.8 29.6

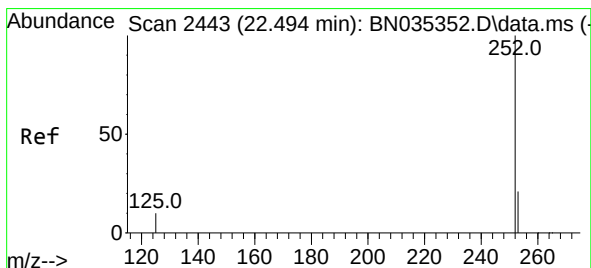
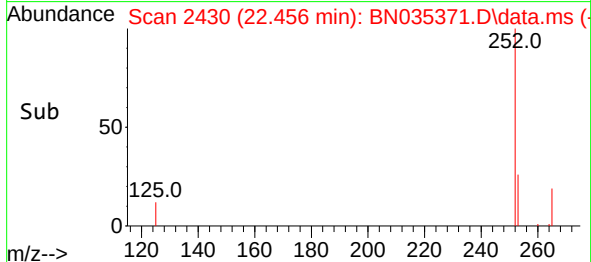
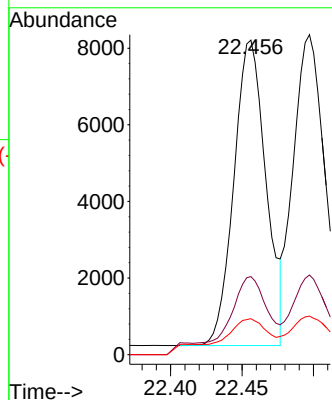
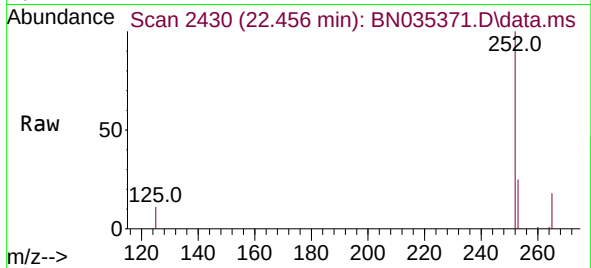




#37
Benzo(b)fluoranthene
Concen: 0.367 ng
RT: 22.456 min Scan# 2429
Delta R.T. 0.003 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

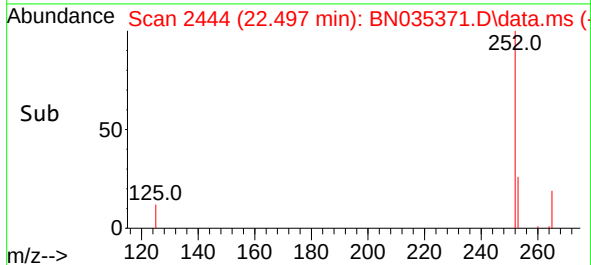
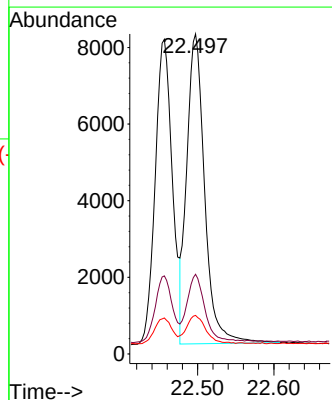
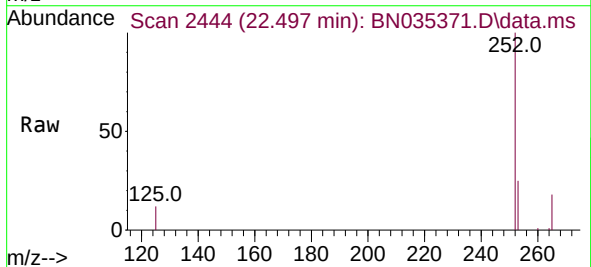
Instrument :
BNA_N
ClientSampleId :
PB165198BSD

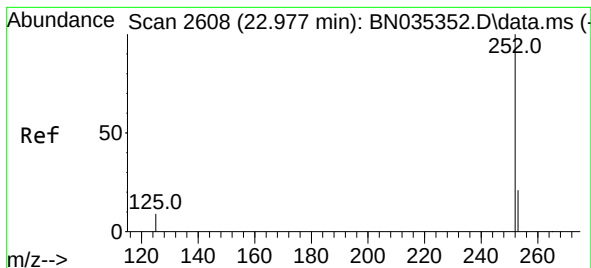
Tgt Ion:252 Resp: 12457
Ion Ratio Lower Upper
252 100
253 24.8 19.6 29.4
125 11.4 9.6 14.4



#38
Benzo(k)fluoranthene
Concen: 0.394 ng
RT: 22.497 min Scan# 2444
Delta R.T. 0.003 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Tgt Ion:252 Resp: 13182
Ion Ratio Lower Upper
252 100
253 24.9 19.5 29.3
125 12.1 10.2 15.4





#39

Benzo(a)pyrene

Concen: 0.403 ng

RT: 22.980 min Scan# 2609

Delta R.T. 0.003 min

Lab File: BN035371.D

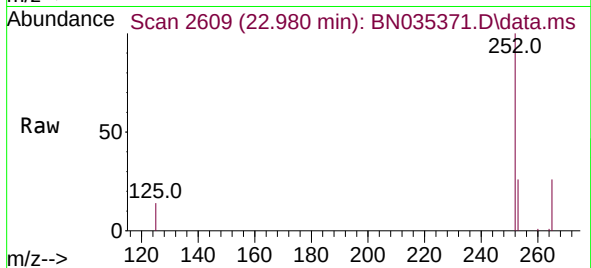
Acq: 28 Nov 2024 06:39

Instrument :

BNA_N

ClientSampleId :

PB165198BSD



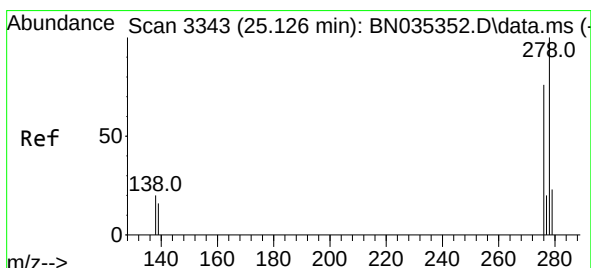
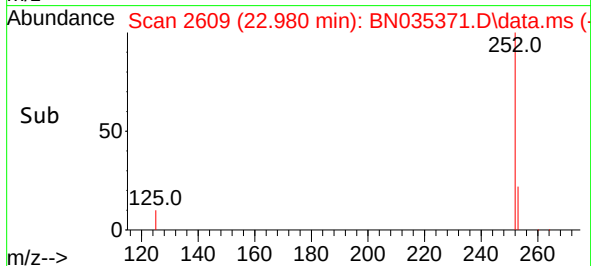
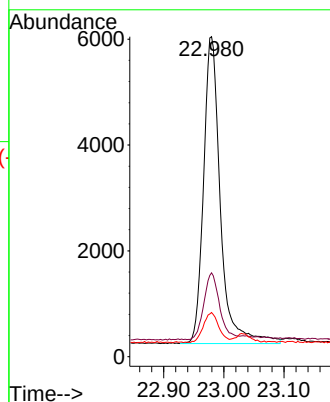
Tgt Ion:252 Resp: 11277

Ion Ratio Lower Upper

252 100

253 26.2 20.2 30.4

125 13.8 10.9 16.3



#40

Dibenzo(a,h)anthracene

Concen: 0.384 ng

RT: 25.128 min Scan# 3344

Delta R.T. 0.003 min

Lab File: BN035371.D

Acq: 28 Nov 2024 06:39

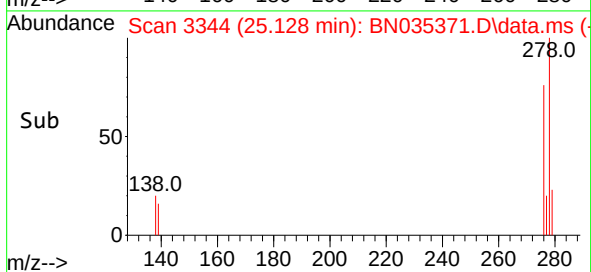
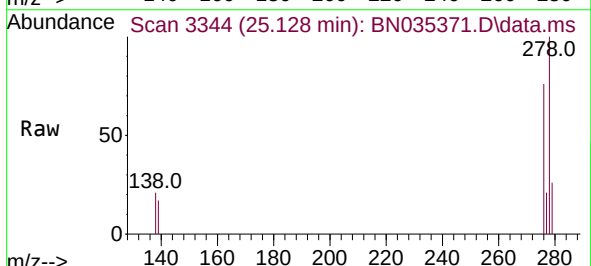
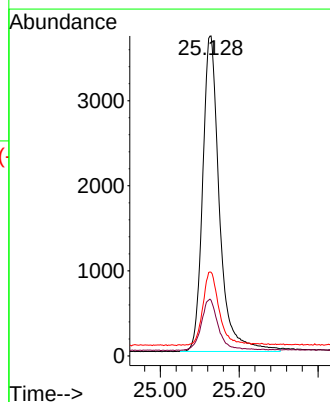
Tgt Ion:278 Resp: 10990

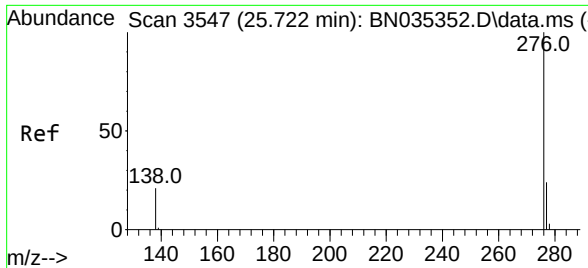
Ion Ratio Lower Upper

278 100

139 17.4 14.2 21.4

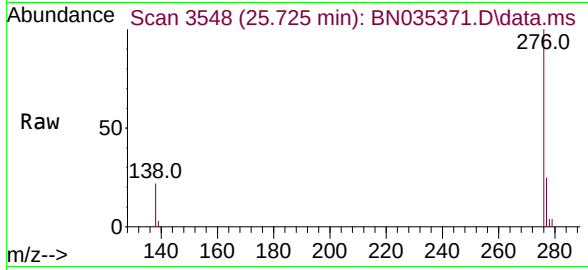
279 26.1 20.5 30.7



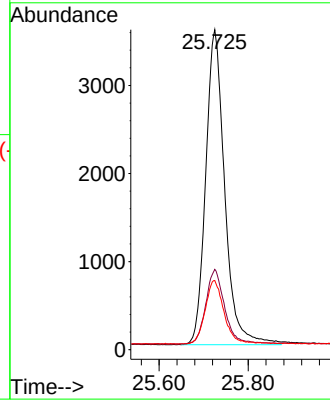
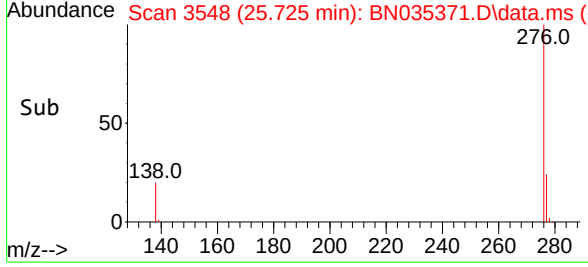


#41
Benzo(g,h,i)perylene
Concen: 0.355 ng
RT: 25.725 min Scan# 31
Delta R.T. 0.003 min
Lab File: BN035371.D
Acq: 28 Nov 2024 06:39

Instrument :
BNA_N
ClientSampleId :
PB165198BSD



Tgt Ion:276 Resp: 10607
Ion Ratio Lower Upper
276 100
277 25.1 19.9 29.9
138 21.6 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035374.D
 Acq On : 28 Nov 2024 08:26
 Operator : RC/JU
 Sample : P4959-01DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20241121DL

Quant Time: Nov 29 00:19:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

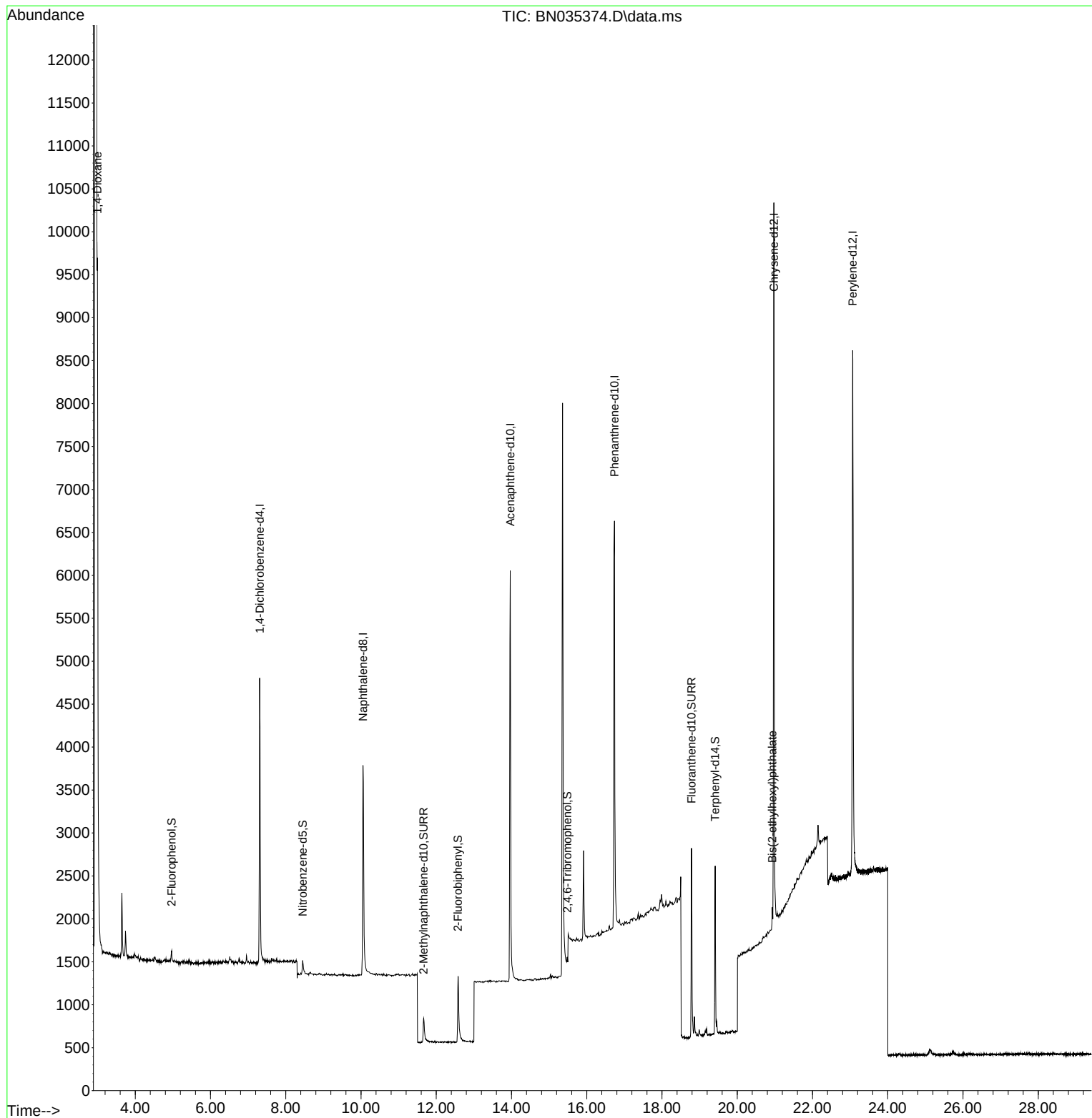
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	1752	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	4244	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	3218	0.400	ng	0.00
19) Phenanthrene-d10	16.736	188	8380	0.400	ng	# 0.00
29) Chrysene-d12	20.974	240	7890	0.400	ng	0.00
35) Perylene-d12	23.067	264	7953	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	133	0.030	ng	0.00
5) Phenol-d6	6.513	99	78	0.015	ng	0.00
8) Nitrobenzene-d5	8.450	82	389	0.150	ng	0.01
11) 2-Methylnaphthalene-d10	11.666	152	652	0.098	ng	0.01
14) 2,4,6-Tribromophenol	15.485	330	129	0.056	ng	0.01
15) 2-Fluorobiphenyl	12.579	172	1075	0.088	ng	0.00
27) Fluoranthene-d10	18.785	212	2744	0.116	ng	0.00
31) Terphenyl-d14	19.412	244	2060	0.132	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.996	88	3433	2.050	ng	96
34) Bis(2-ethylhexyl)phtha...	20.929	149	312	0.029	ng	# 93

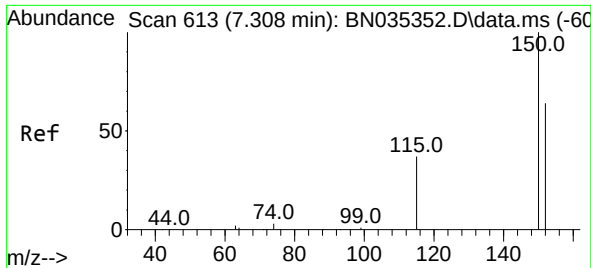
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035374.D
Acq On : 28 Nov 2024 08:26
Operator : RC/JU
Sample : P4959-01DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121DL

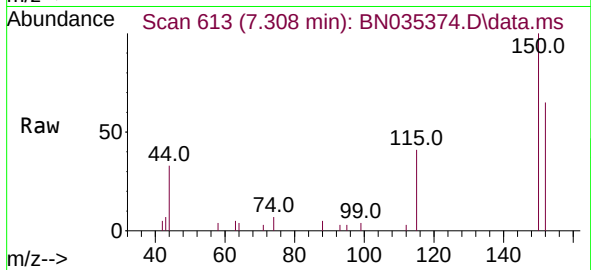
Quant Time: Nov 29 00:19:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration



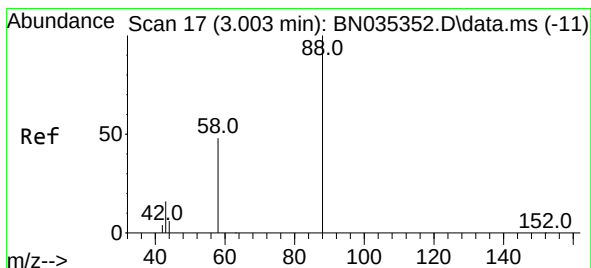
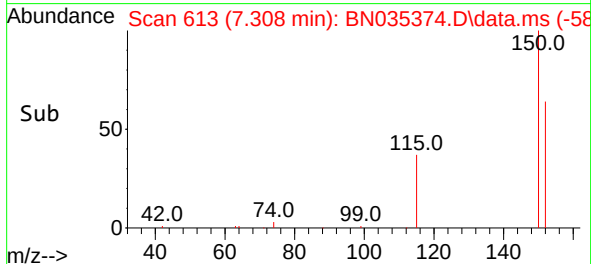
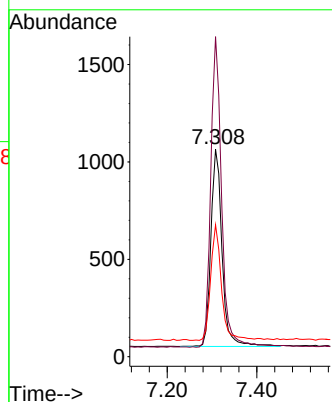


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.308 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN035374.D
 Acq: 28 Nov 2024 08:26

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20241121DL

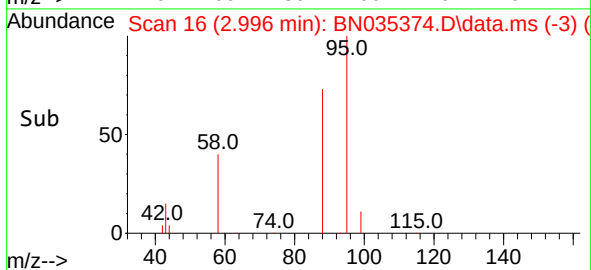
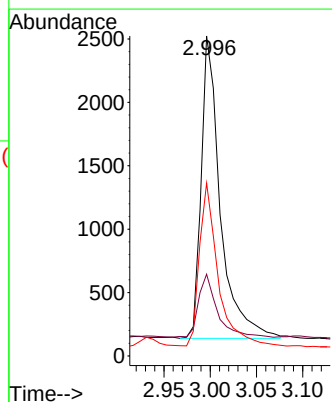
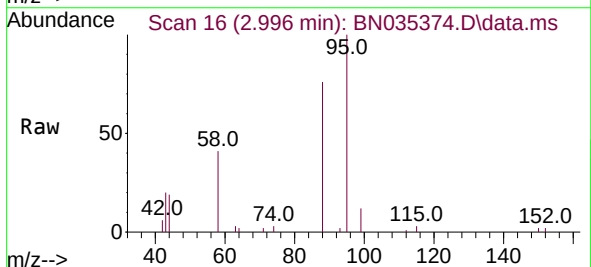


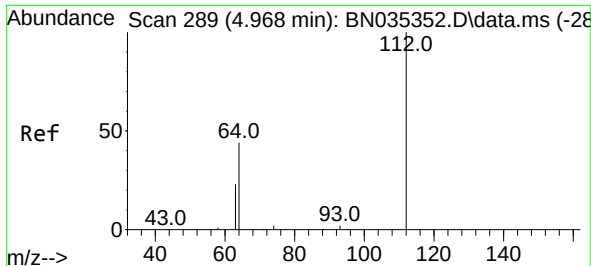
Tgt Ion: 152 Resp: 1752
 Ion Ratio Lower Upper
 152 100
 150 154.3 124.0 186.0
 115 63.6 49.6 74.4



#2
 1,4-Dioxane
 Concen: 2.050 ng
 RT: 2.996 min Scan# 16
 Delta R.T. -0.007 min
 Lab File: BN035374.D
 Acq: 28 Nov 2024 08:26

Tgt Ion: 88 Resp: 3433
 Ion Ratio Lower Upper
 88 100
 43 20.4 17.2 25.8
 58 52.1 44.5 66.7

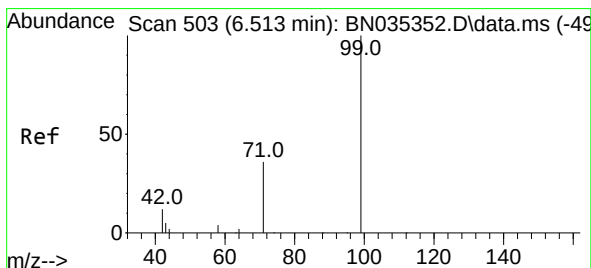
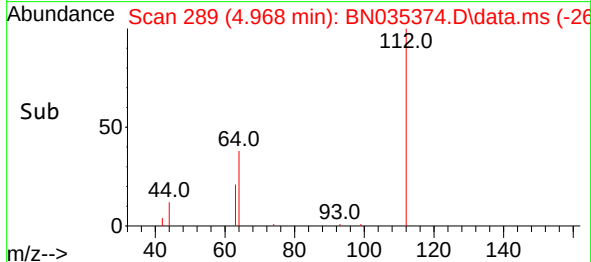
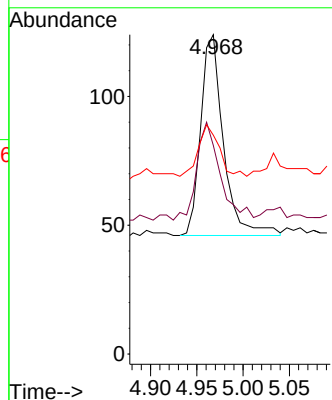
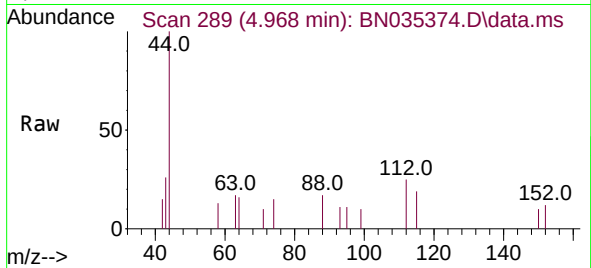




#4
2-Fluorophenol
Concen: 0.030 ng
RT: 4.968 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

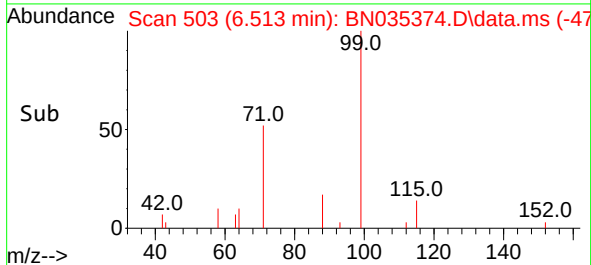
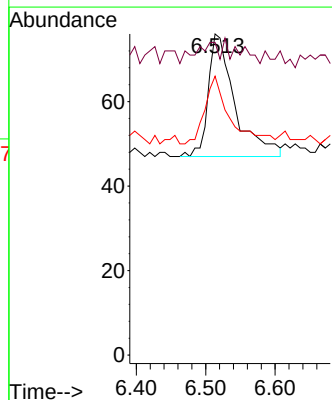
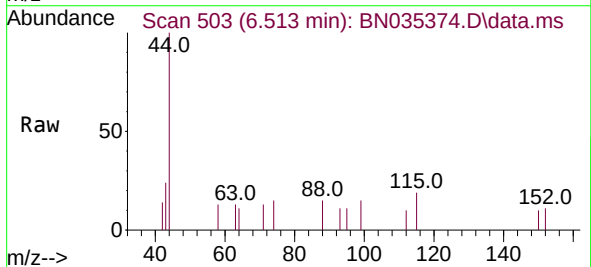
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121DL

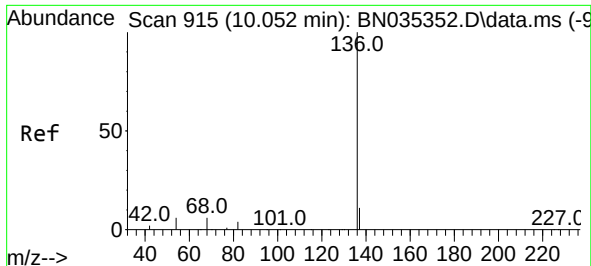
Tgt Ion:112 Resp: 133
Ion Ratio Lower Upper
112 100
64 50.4 39.8 59.8
63 27.8 21.0 31.6



#5
Phenol-d6
Concen: 0.015 ng
RT: 6.513 min Scan# 503
Delta R.T. 0.000 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

Tgt Ion: 99 Resp: 78
Ion Ratio Lower Upper
99 100
42 14.1 11.4 17.2
71 56.4 29.3 43.9#

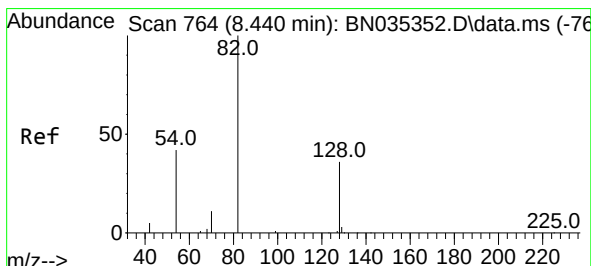
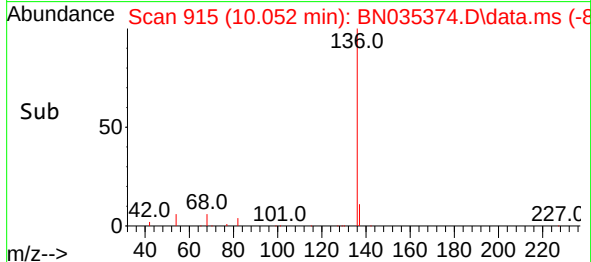
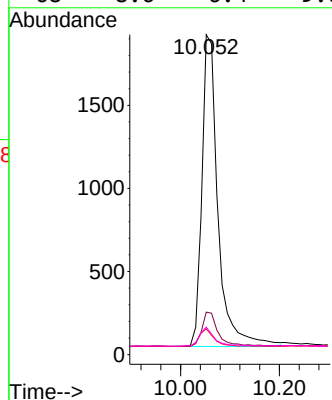
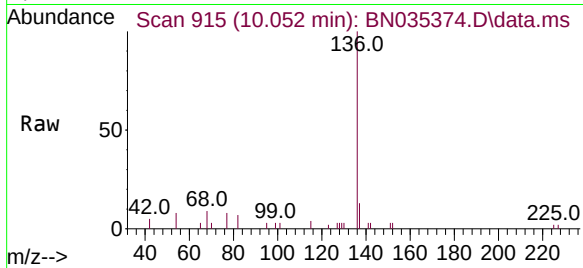




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. 0.000 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

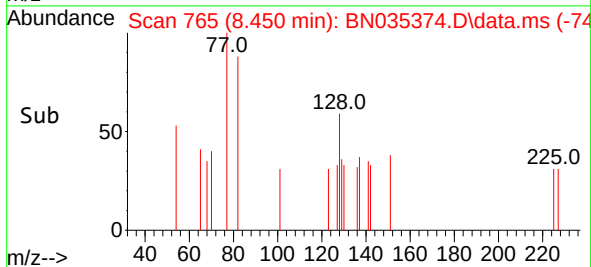
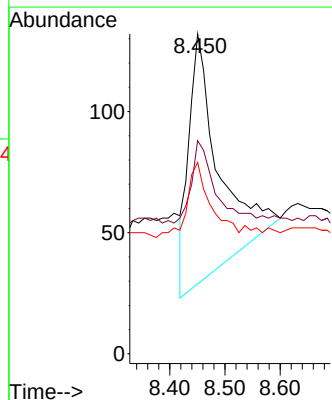
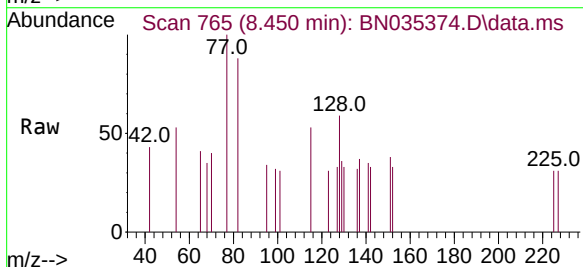
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121DL

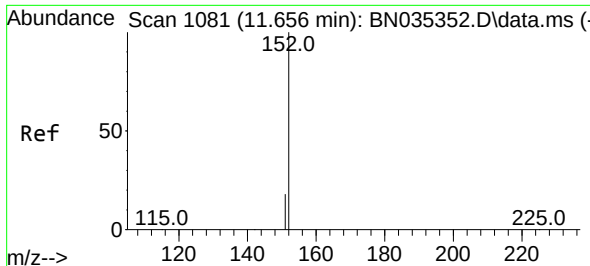
Tgt Ion:	136	Resp:	4244
Ion	Ratio	Lower	Upper
136	100		
137	13.3	10.2	15.2
54	8.1	6.1	9.1
68	8.6	6.4	9.6



#8
Nitrobenzene-d5
Concen: 0.150 ng
RT: 8.450 min Scan# 765
Delta R.T. 0.011 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

Tgt Ion:	82	Resp:	389
Ion	Ratio	Lower	Upper
82	100		
128	66.7	33.4	50.0#
54	59.8	36.7	55.1#

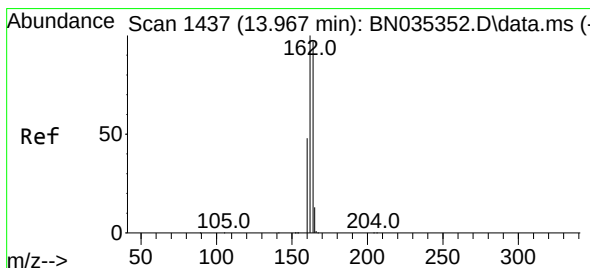
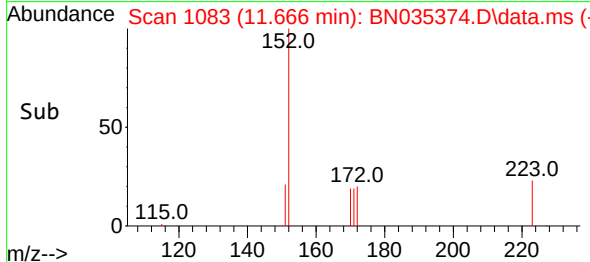
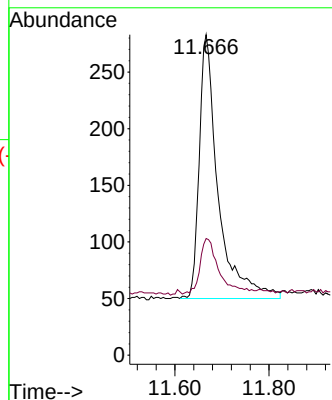
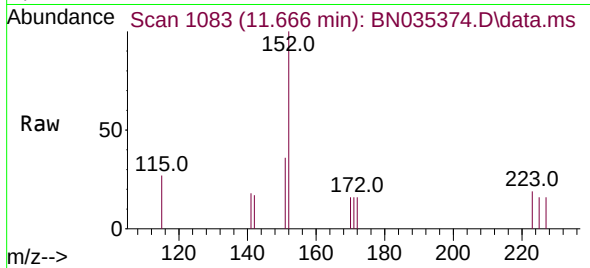




#11
2-Methylnaphthalene-d10
Concen: 0.098 ng
RT: 11.666 min Scan# 1083
Delta R.T. 0.010 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

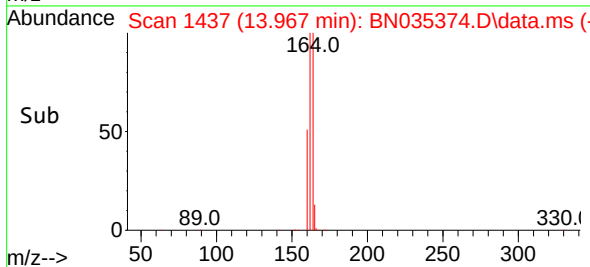
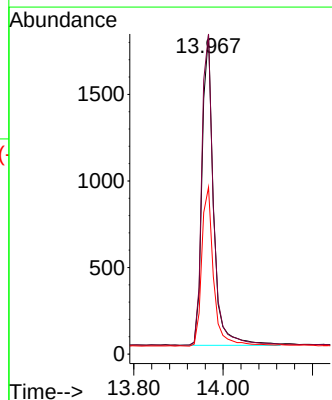
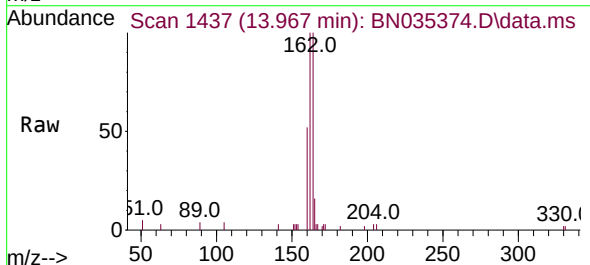
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121DL

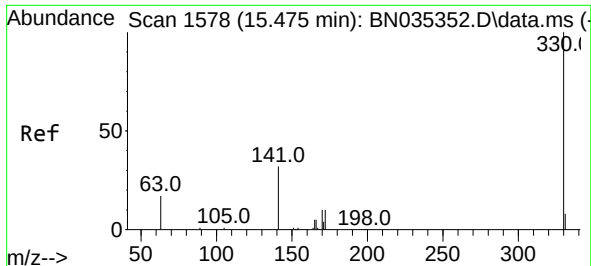
Tgt Ion:152 Resp: 652
Ion Ratio Lower Upper
152 100
151 21.3 16.6 25.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

Tgt Ion:164 Resp: 3218
Ion Ratio Lower Upper
164 100
162 100.1 82.2 123.2
160 52.2 40.1 60.1

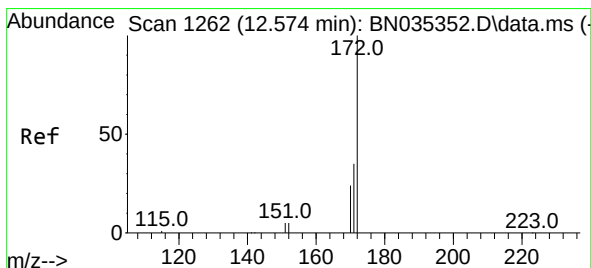
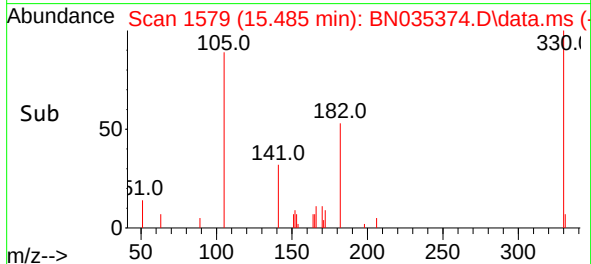
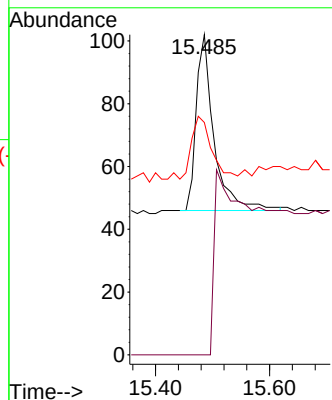
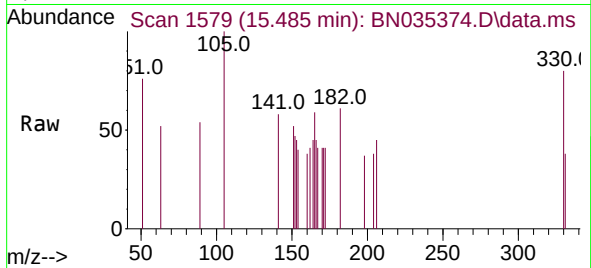




#14
2,4,6-Tribromophenol
Concen: 0.056 ng
RT: 15.485 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

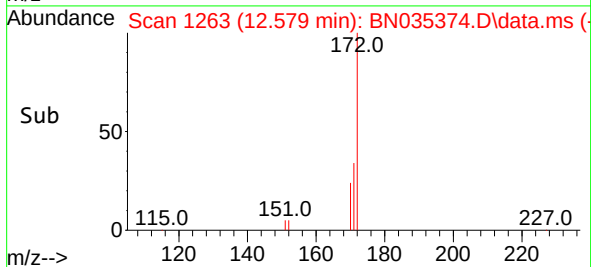
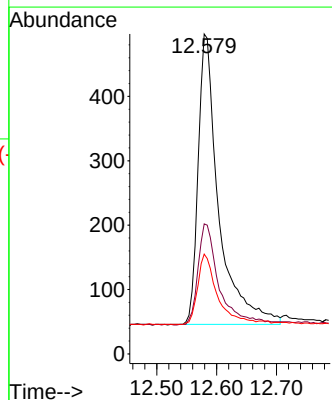
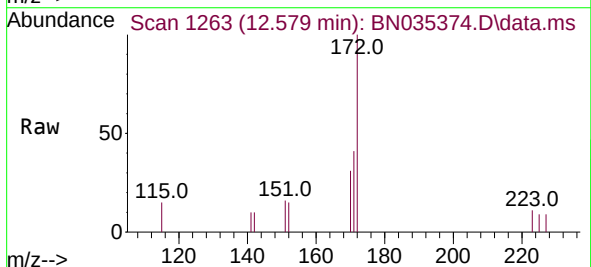
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121DL

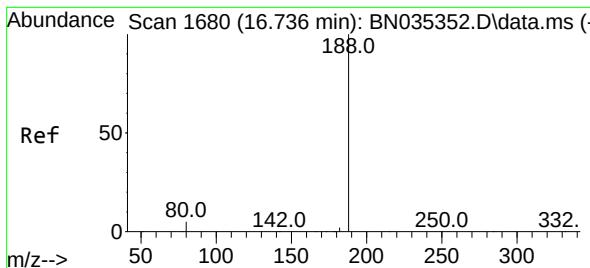
Tgt Ion:330 Resp: 129
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.5 26.6 40.0



#15
2-Fluorobiphenyl
Concen: 0.088 ng
RT: 12.579 min Scan# 1263
Delta R.T. 0.005 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

Tgt Ion:172 Resp: 1075
Ion Ratio Lower Upper
172 100
171 40.6 29.0 43.4
170 31.2 19.8 29.8#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.736 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN035374.D

Acq: 28 Nov 2024 08:26

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20241121DL

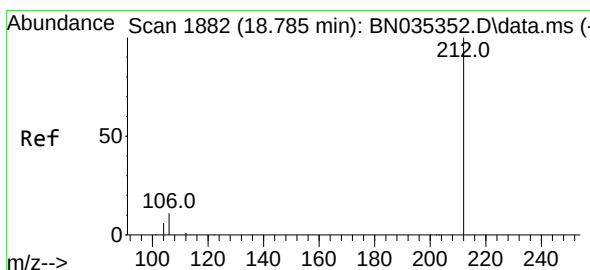
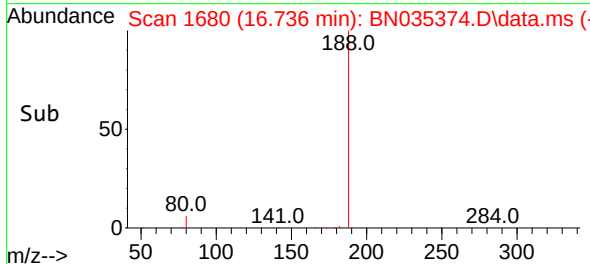
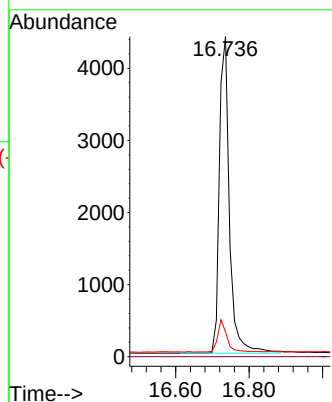
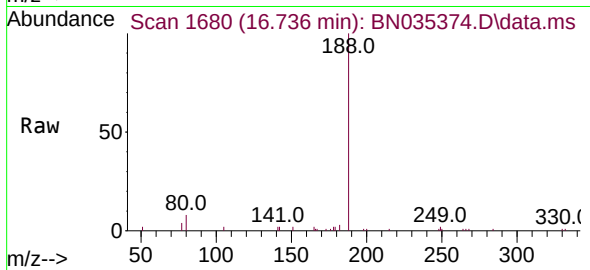
Tgt Ion:188 Resp: 8380

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.7 4.6 6.8#



#27

Fluoranthene-d10

Concen: 0.116 ng

RT: 18.785 min Scan# 1882

Delta R.T. 0.000 min

Lab File: BN035374.D

Acq: 28 Nov 2024 08:26

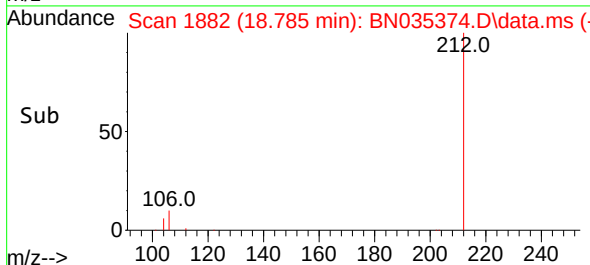
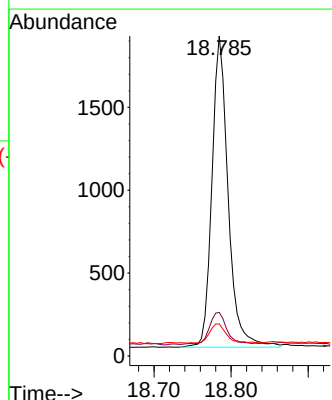
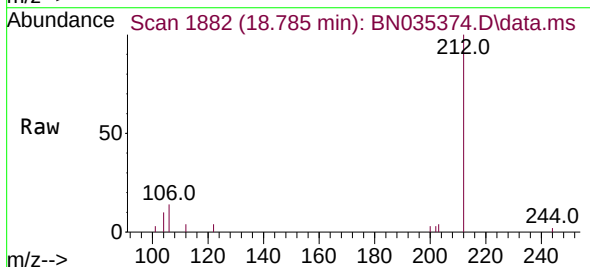
Tgt Ion:212 Resp: 2744

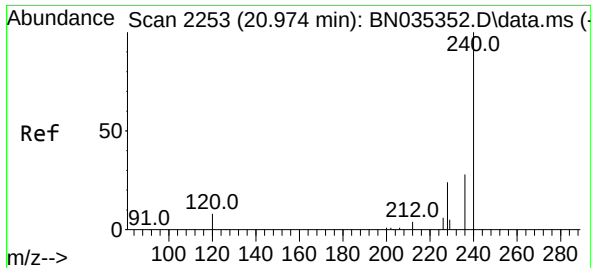
Ion Ratio Lower Upper

212 100

106 11.4 9.2 13.8

104 6.7 5.3 7.9

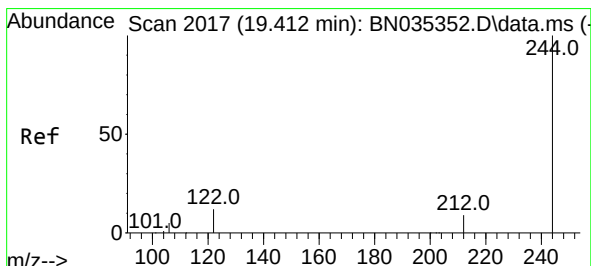
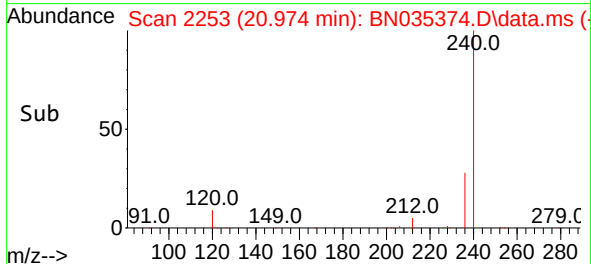
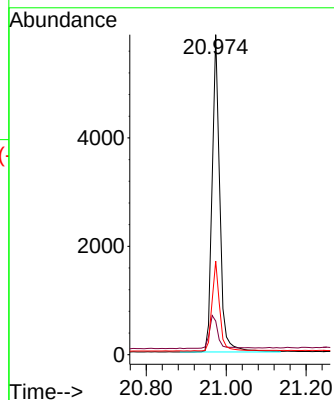
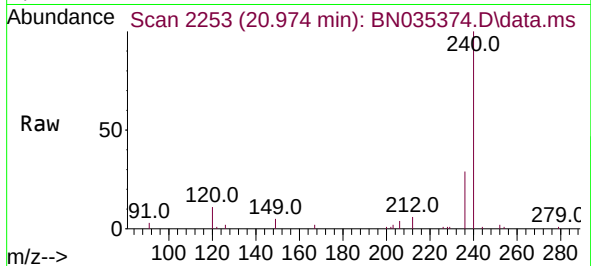




#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.974 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

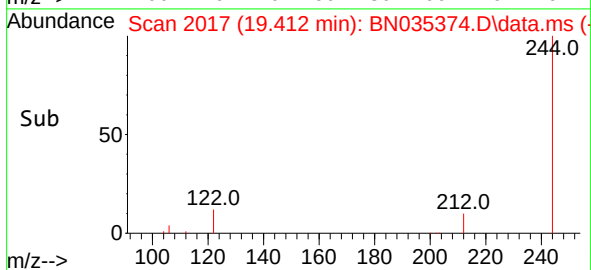
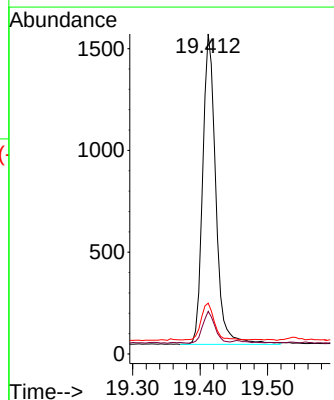
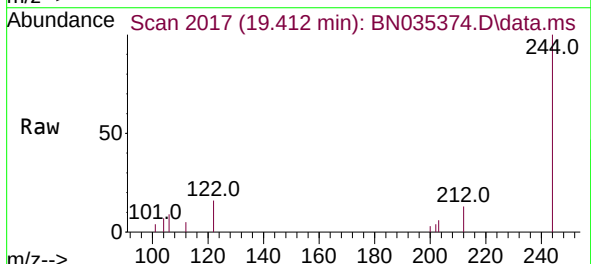
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ClientSampleId :
RW5-SP100-20241121DL

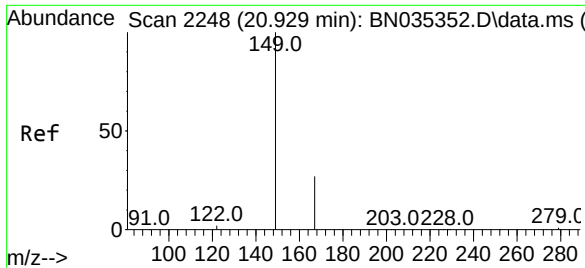
Tgt Ion:240 Resp: 7890
Ion Ratio Lower Upper
240 100
120 10.5 7.9 11.9
236 29.2 22.9 34.3



#31
Terphenyl-d14
Concen: 0.132 ng
RT: 19.412 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

Tgt Ion:244 Resp: 2060
Ion Ratio Lower Upper
244 100
212 13.3 8.1 12.1#
122 15.8 10.3 15.5#

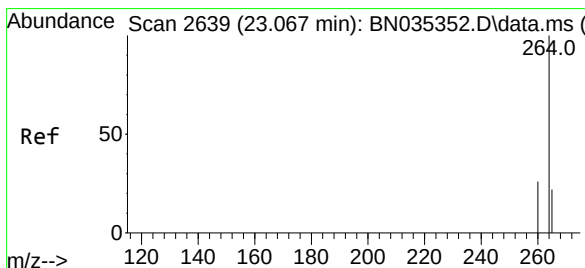
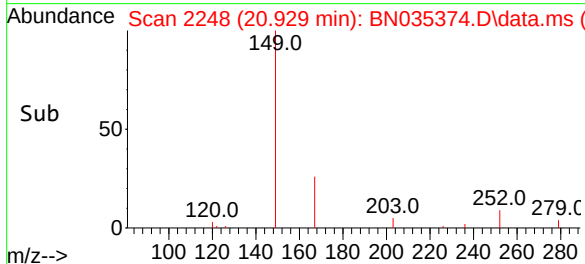
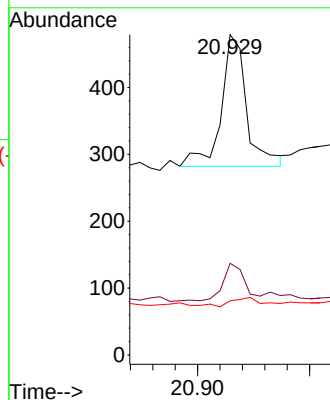
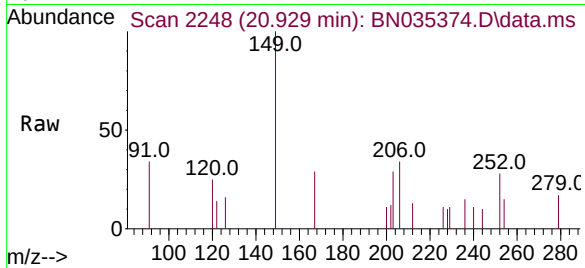




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.029 ng
RT: 20.929 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

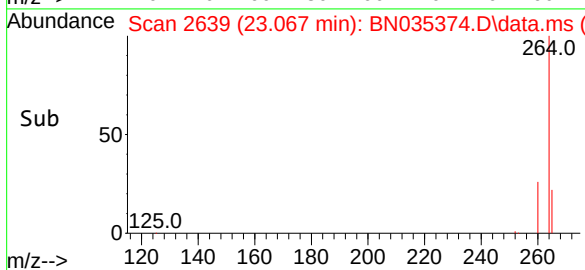
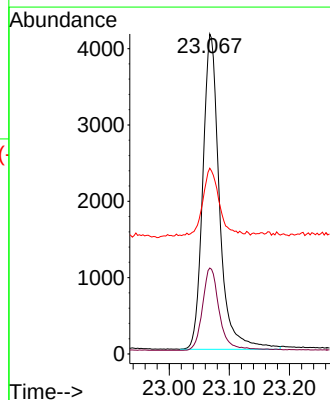
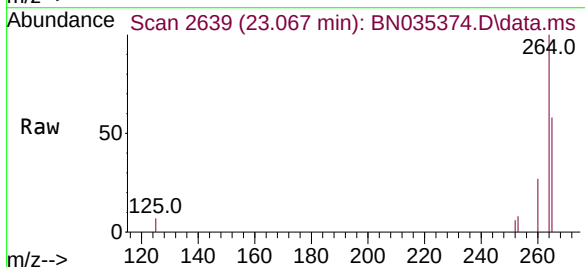
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20241121DL

Tgt Ion:149 Resp: 312
Ion Ratio Lower Upper
149 100
167 24.0 22.2 33.4
279 6.4 2.7 4.1#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 2639
Delta R.T. 0.000 min
Lab File: BN035374.D
Acq: 28 Nov 2024 08:26

Tgt Ion:264 Resp: 7953
Ion Ratio Lower Upper
264 100
260 26.9 21.4 32.2
265 58.1 40.2 60.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
 Data File : BN035375.D
 Acq On : 28 Nov 2024 09:02
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Nov 29 00:19:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

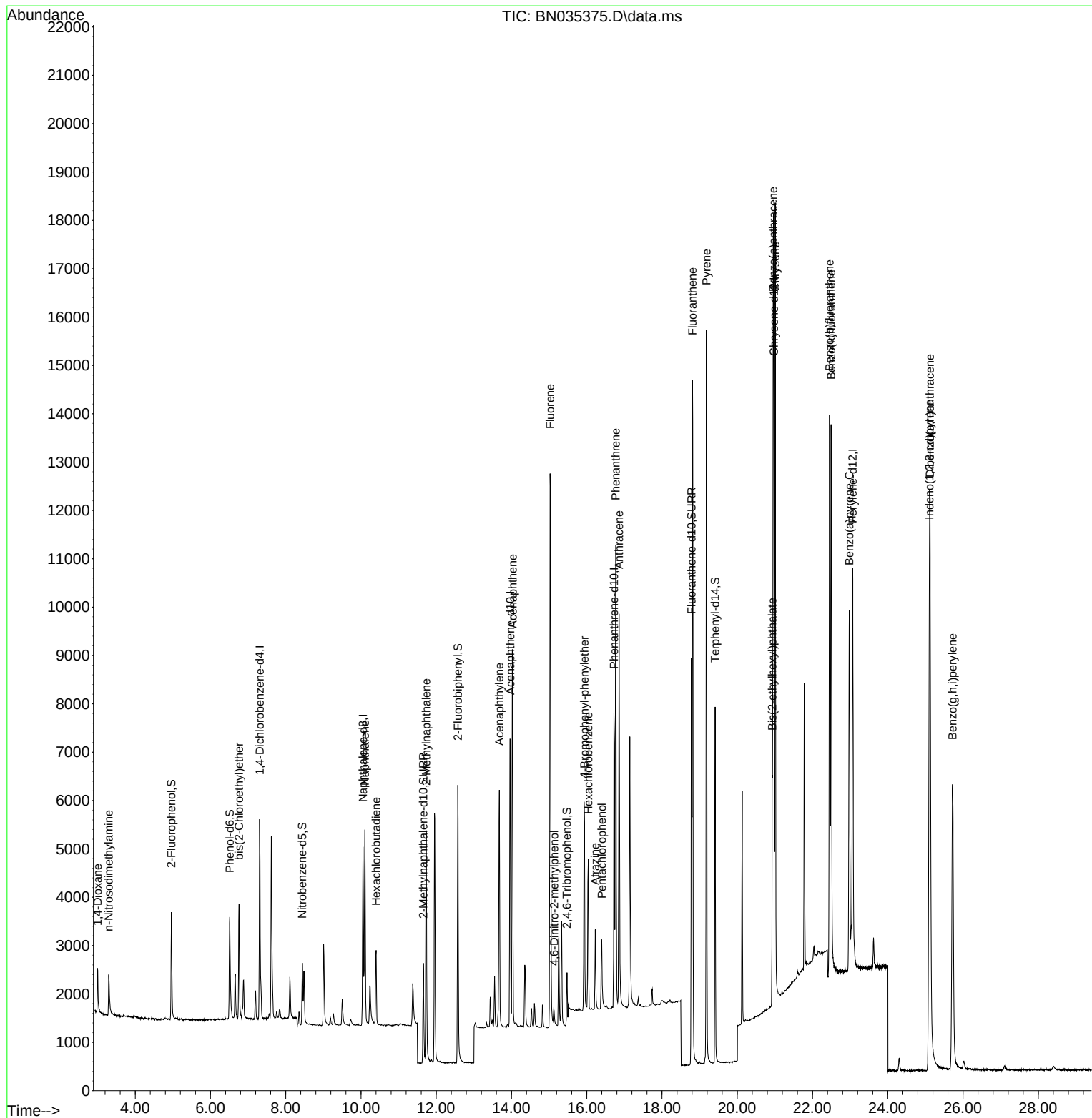
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.308	152	1994	0.400	ng	0.00
7) Naphthalene-d8	10.052	136	5101	0.400	ng	0.00
13) Acenaphthene-d10	13.967	164	3798	0.400	ng	0.00
19) Phenanthrene-d10	16.723	188	9566	0.400	ng	#-0.01
29) Chrysene-d12	20.974	240	9222	0.400	ng	0.00
35) Perylene-d12	23.067	264	10081	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.960	112	2006	0.402	ng	0.00
5) Phenol-d6	6.513	99	2417	0.403	ng	0.00
8) Nitrobenzene-d5	8.440	82	1412	0.453	ng	0.00
11) 2-Methylnaphthalene-d10	11.656	152	3130	0.392	ng	0.00
14) 2,4,6-Tribromophenol	15.475	330	1011	0.375	ng	0.00
15) 2-Fluorobiphenyl	12.574	172	5760	0.401	ng	0.00
27) Fluoranthene-d10	18.785	212	10104	0.373	ng	0.00
31) Terphenyl-d14	19.412	244	7255	0.399	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.003	88	754	0.396	ng	98
3) n-Nitrosodimethylamine	3.292	42	628	0.396	ng	# 98
6) bis(2-Chloroethyl)ether	6.759	93	1960	0.389	ng	100
9) Naphthalene	10.105	128	5328	0.396	ng	99
10) Hexachlorobutadiene	10.404	225	1326	0.427	ng	# 98
12) 2-Methylnaphthalene	11.732	142	3793	0.394	ng	97
16) Acenaphthylene	13.679	152	6028	0.378	ng	99
17) Acenaphthene	14.031	154	4106	0.388	ng	99
18) Fluorene	15.026	166	5935	0.392	ng	100
20) 4,6-Dinitro-2-methylph...	15.133	198	357	0.380	ng	91
21) 4-Bromophenyl-phenylether	15.941	248	2206	0.394	ng	100
22) Hexachlorobenzene	16.040	284	2655	0.404	ng	99
23) Atrazine	16.227	200	1384	0.347	ng	98
24) Pentachlorophenol	16.400	266	973	0.340	ng	# 84
25) Phenanthrene	16.773	178	10204	0.388	ng	100
26) Anthracene	16.860	178	8929	0.376	ng	100
28) Fluoranthene	18.812	202	13216	0.373	ng	99
30) Pyrene	19.179	202	13731	0.403	ng	100
32) Benzo(a)anthracene	20.956	228	11985	0.372	ng	99
33) Chrysene	21.009	228	13365	0.402	ng	99
34) Bis(2-ethylhexyl)phtha...	20.929	149	4380	0.344	ng	100
36) Indeno(1,2,3-cd)pyrene	25.105	276	15538	0.394	ng	99
37) Benzo(b)fluoranthene	22.453	252	13327	0.361	ng	99
38) Benzo(k)fluoranthene	22.494	252	14406	0.397	ng	99
39) Benzo(a)pyrene	22.977	252	10891	0.359	ng	99
40) Dibenzo(a,h)anthracene	25.123	278	12092	0.389	ng	99
41) Benzo(g,h,i)perylene	25.722	276	12501	0.385	ng	99

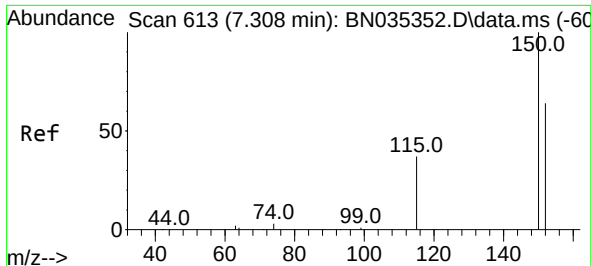
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112724\
Data File : BN035375.D
Acq On : 28 Nov 2024 09:02
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

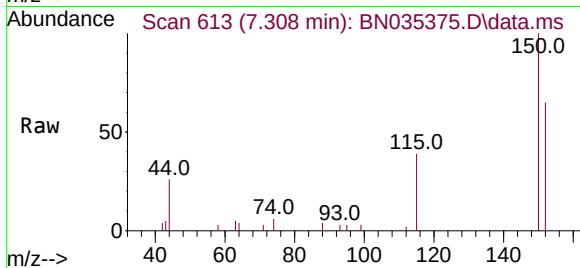
Quant Time: Nov 29 00:19:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 23:03:24 2024
Response via : Initial Calibration





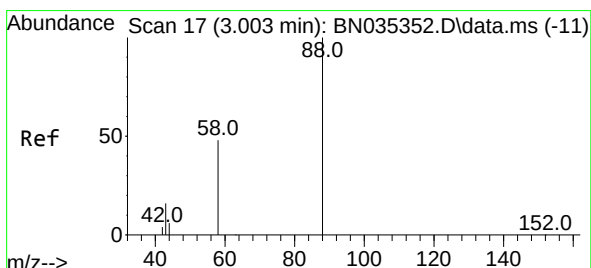
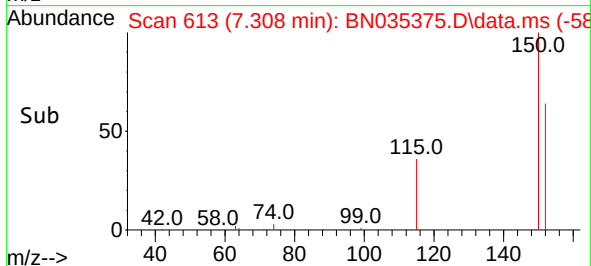
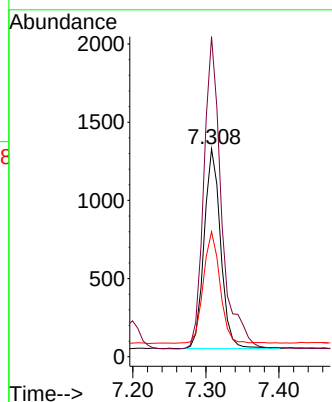
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.308 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN035375.D
 Acq: 28 Nov 2024 09:02

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC



Tgt Ion:152 Resp: 1994

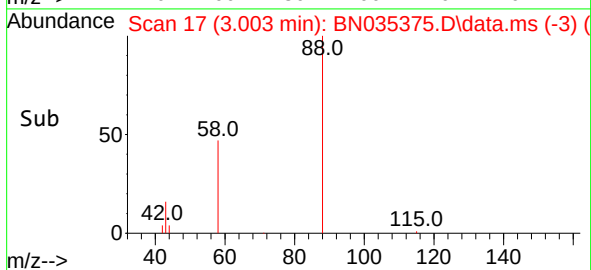
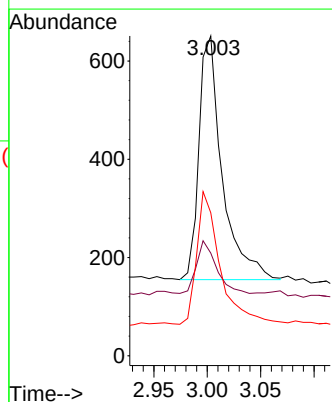
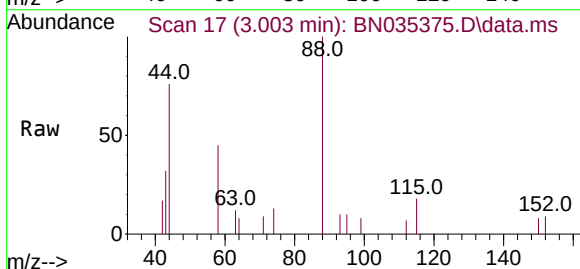
Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.0	186.0
115	60.2	49.6	74.4

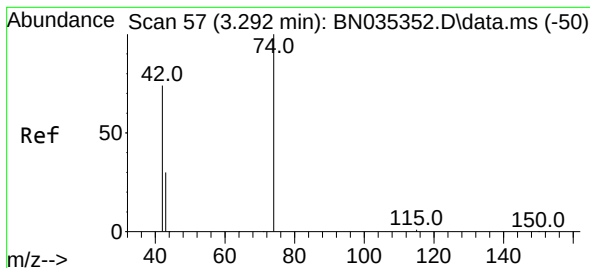


#2
 1,4-Dioxane
 Concen: 0.396 ng
 RT: 3.003 min Scan# 17
 Delta R.T. 0.000 min
 Lab File: BN035375.D
 Acq: 28 Nov 2024 09:02

Tgt Ion: 88 Resp: 754

Ion	Ratio	Lower	Upper
88	100		
43	20.6	17.2	25.8
58	53.8	44.5	66.7





#3

n-Nitrosodimethylamine

Concen: 0.396 ng

RT: 3.292 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

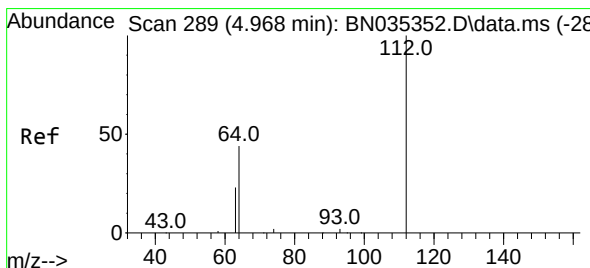
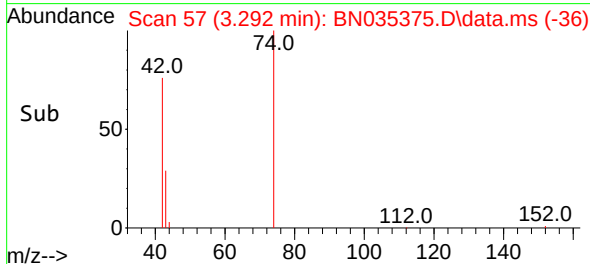
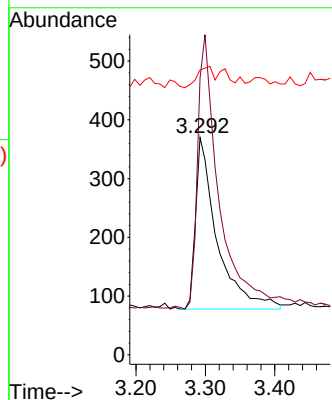
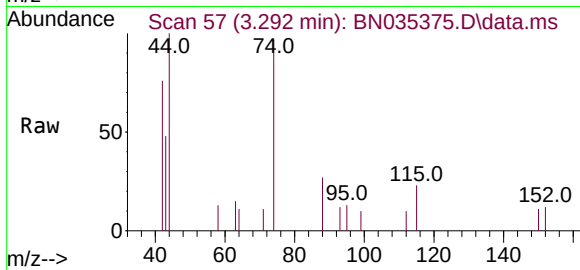
Tgt Ion: 42 Resp: 628

Ion Ratio Lower Upper

42 100

74 158.8 124.9 187.3

44 8.9 2.2 3.4#



#4

2-Fluorophenol

Concen: 0.402 ng

RT: 4.960 min Scan# 288

Delta R.T. -0.007 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

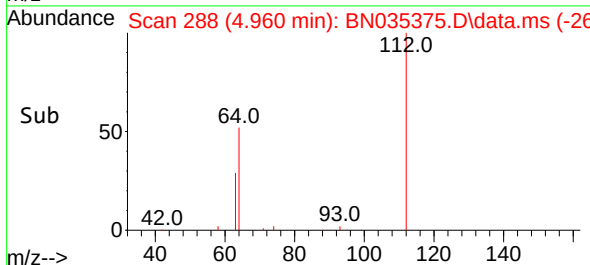
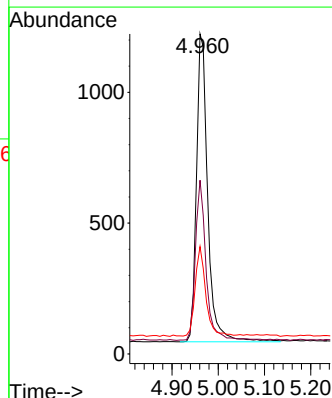
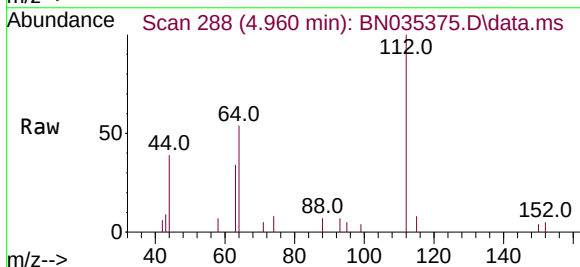
Tgt Ion: 112 Resp: 2006

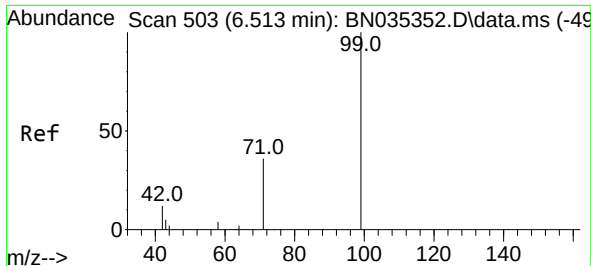
Ion Ratio Lower Upper

112 100

64 48.5 39.8 59.8

63 27.4 21.0 31.6

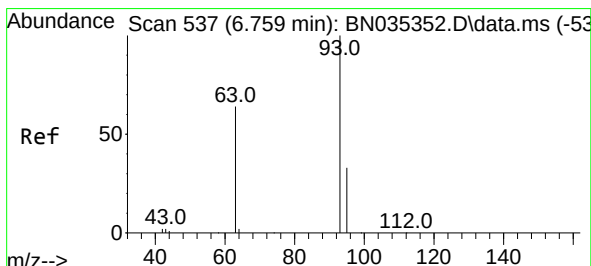
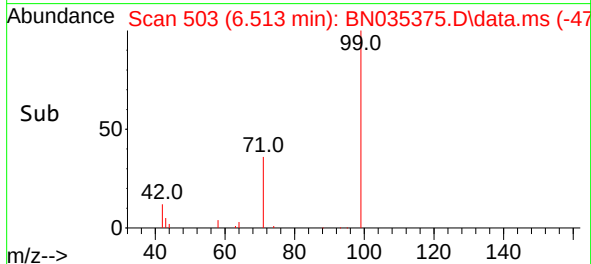
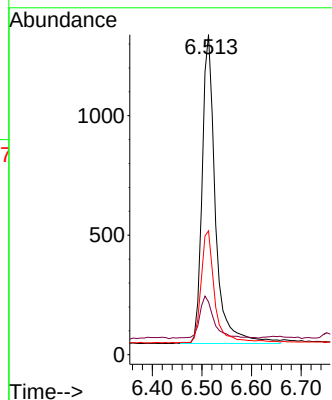
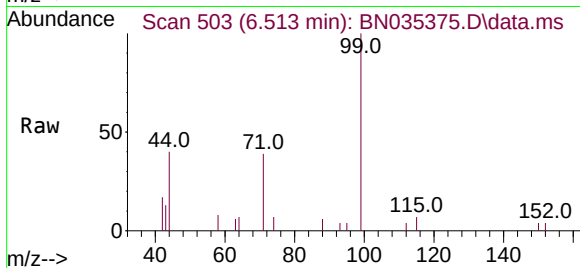




#5
Phenol-d6
Concen: 0.403 ng
RT: 6.513 min Scan# 503
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

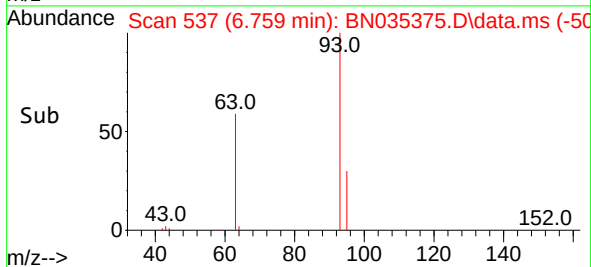
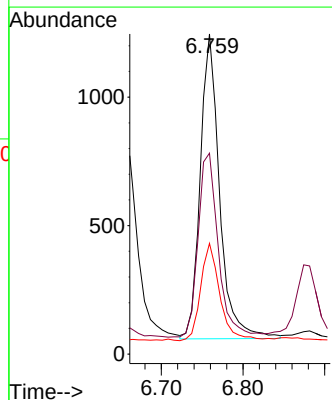
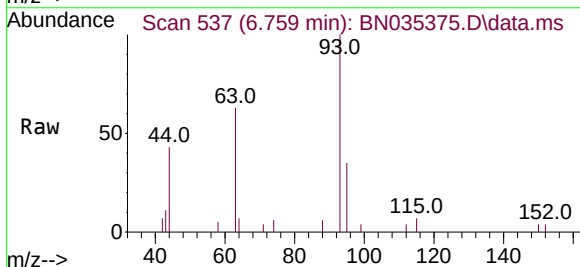
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

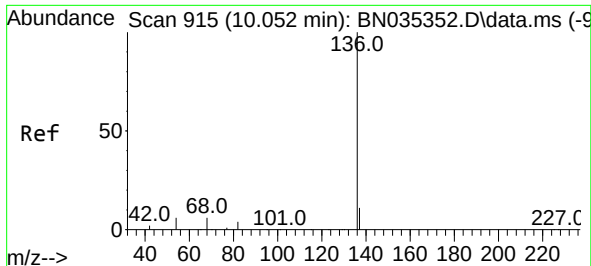
Tgt Ion: 99 Resp: 2417
Ion Ratio Lower Upper
99 100
42 15.5 11.4 17.2
71 36.5 29.3 43.9



#6
bis(2-Chloroethyl)ether
Concen: 0.389 ng
RT: 6.759 min Scan# 537
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion: 93 Resp: 1960
Ion Ratio Lower Upper
93 100
63 62.9 50.4 75.6
95 31.6 25.7 38.5

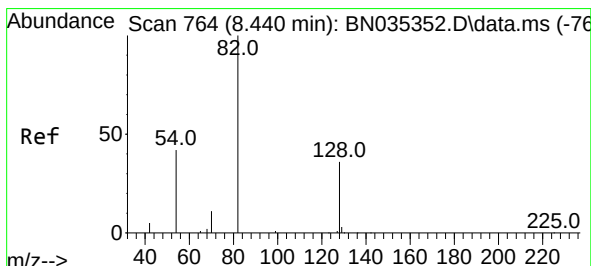
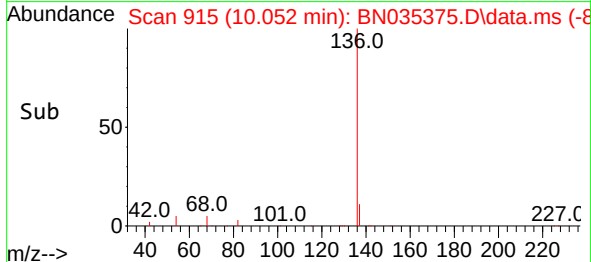
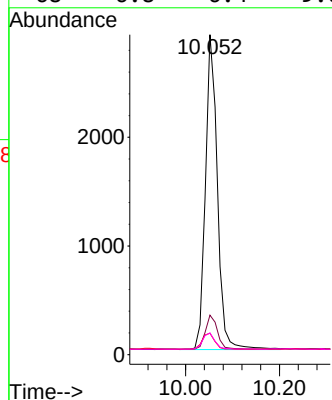
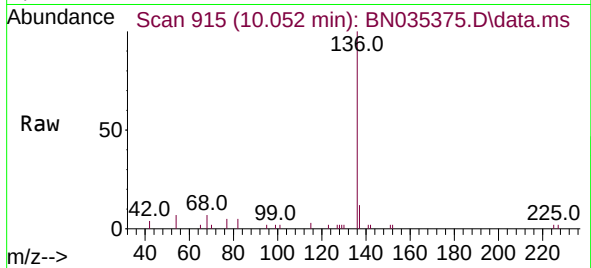




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.052 min Scan# 915
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

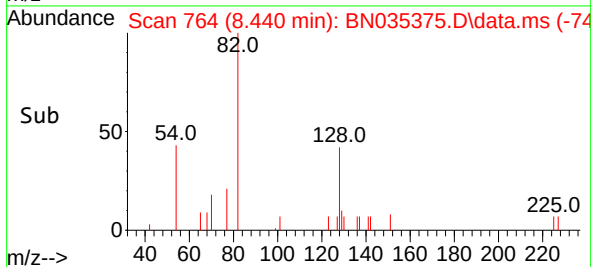
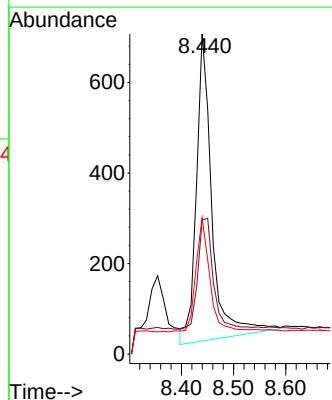
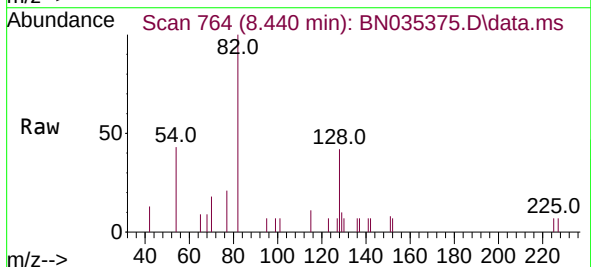
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

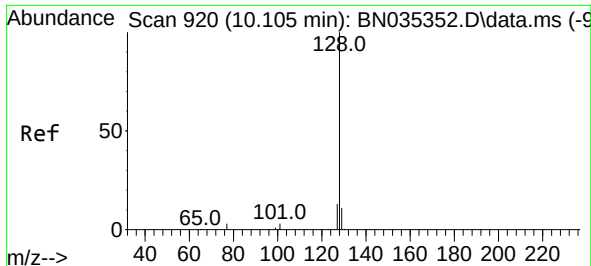
Tgt Ion:	136	Resp:	5101
Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.2	15.2
54	6.7	6.1	9.1
68	6.8	6.4	9.6



#8
Nitrobenzene-d5
Concen: 0.453 ng
RT: 8.440 min Scan# 764
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:	82	Resp:	1412
Ion	Ratio	Lower	Upper
82	100		
128	41.9	33.4	50.0
54	42.6	36.7	55.1

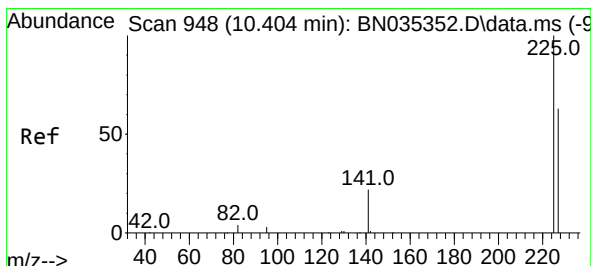
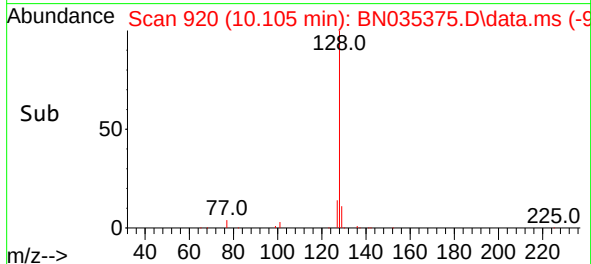
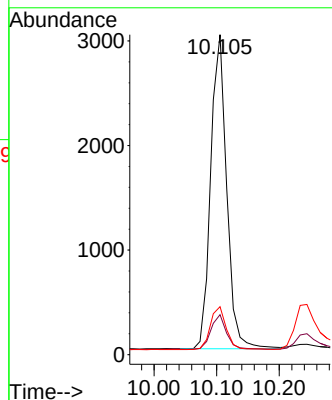
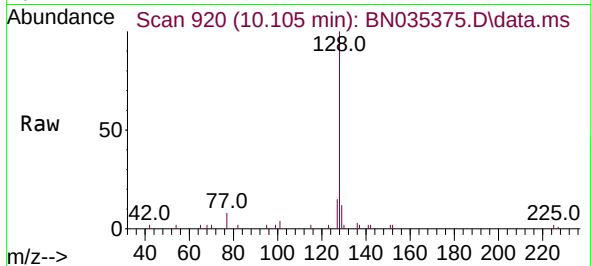




#9
Naphthalene
Concen: 0.396 ng
RT: 10.105 min Scan# 912
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

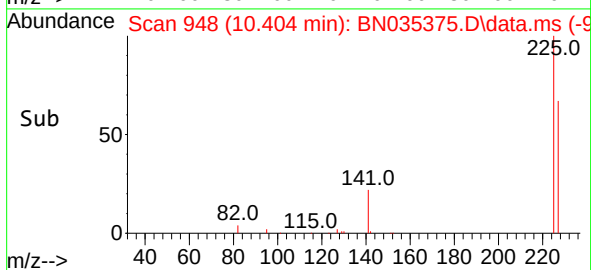
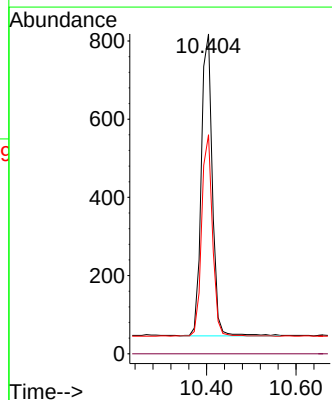
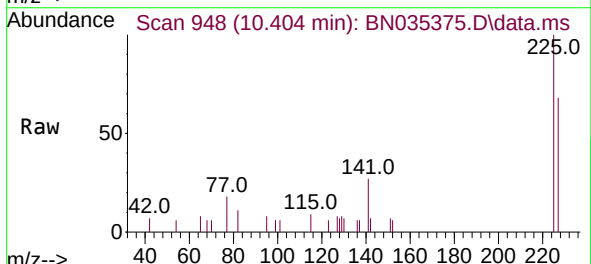
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

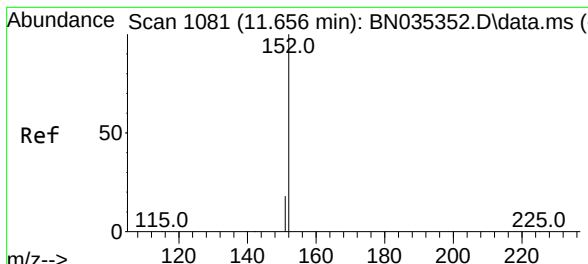
Tgt Ion:128 Resp: 5328
Ion Ratio Lower Upper
128 100
129 12.5 9.8 14.6
127 15.0 11.4 17.2



#10
Hexachlorobutadiene
Concen: 0.427 ng
RT: 10.404 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:225 Resp: 1326
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 65.4 51.3 76.9

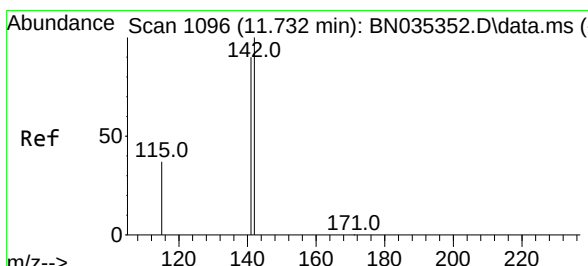
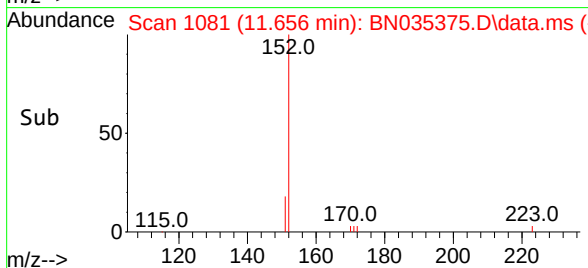
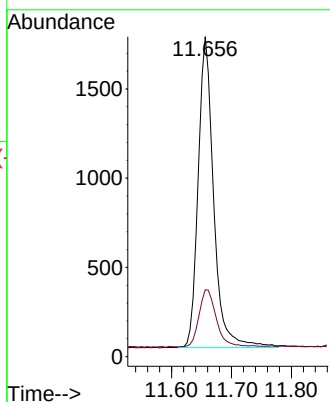
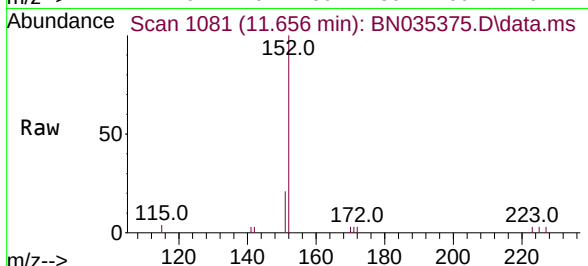




#11
2-Methylnaphthalene-d10
Concen: 0.392 ng
RT: 11.656 min Scan# 1081
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

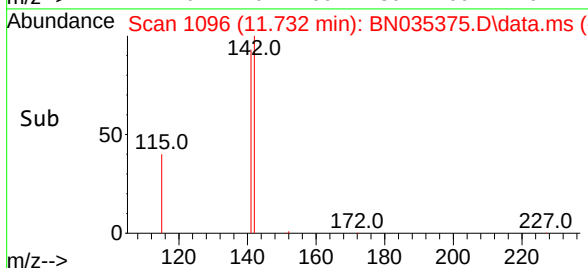
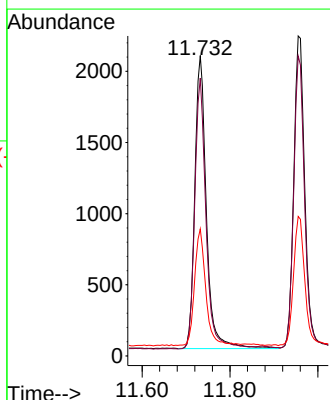
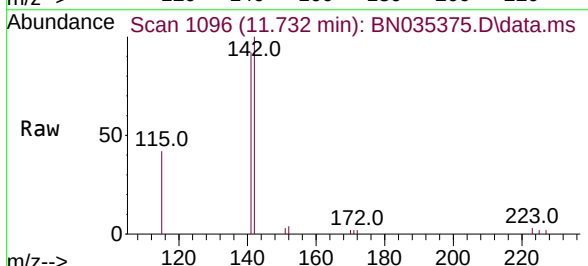
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

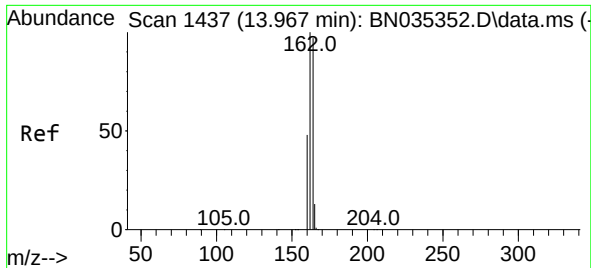
Tgt Ion:152 Resp: 3130
Ion Ratio Lower Upper
152 100
151 20.4 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.394 ng
RT: 11.732 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:142 Resp: 3793
Ion Ratio Lower Upper
142 100
141 92.5 72.2 108.4
115 42.3 31.4 47.0

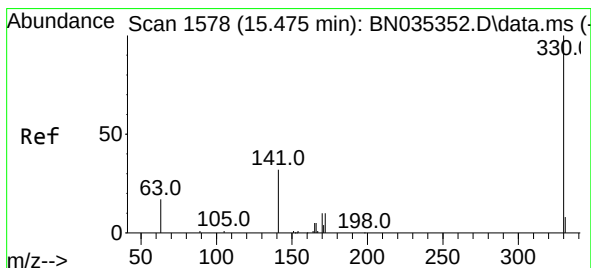
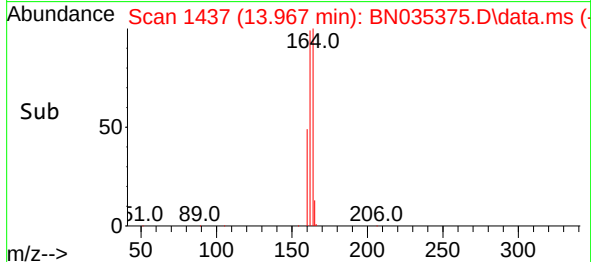
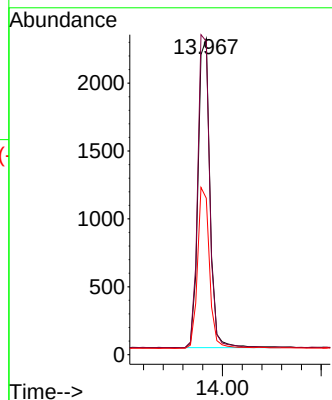
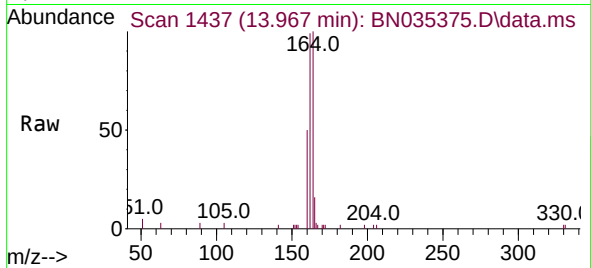




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.967 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

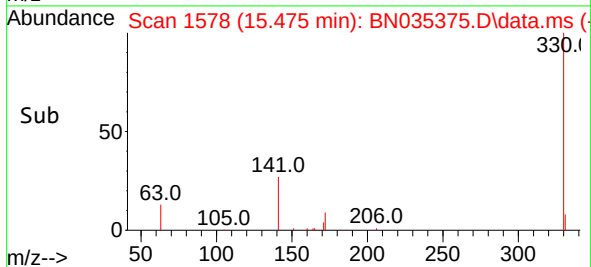
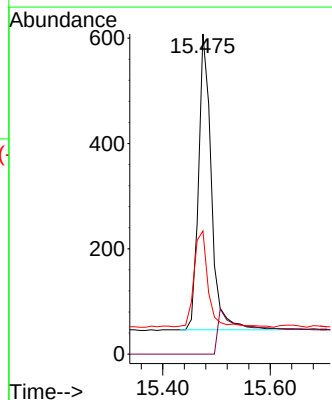
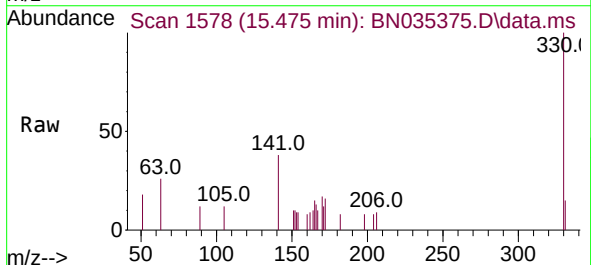
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

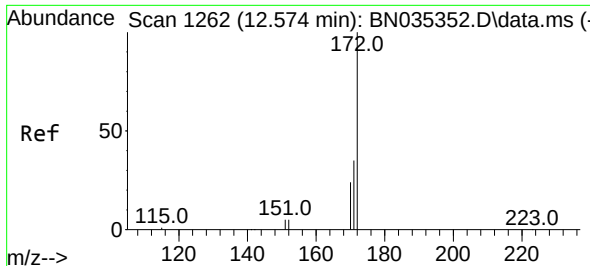
Tgt Ion:164 Resp: 3798
Ion Ratio Lower Upper
164 100
162 99.2 82.2 123.2
160 49.5 40.1 60.1



#14
2,4,6-Tribromophenol
Concen: 0.375 ng
RT: 15.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:330 Resp: 1011
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 35.5 26.6 40.0

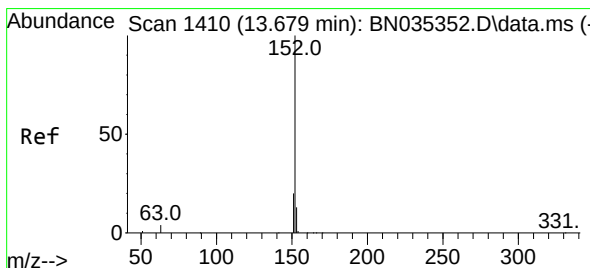
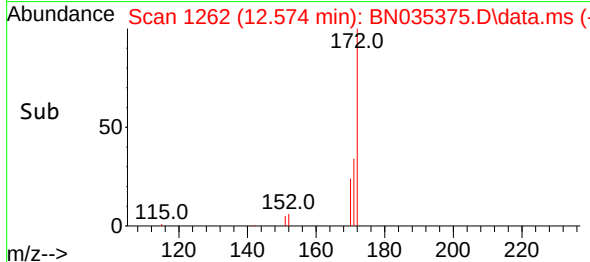
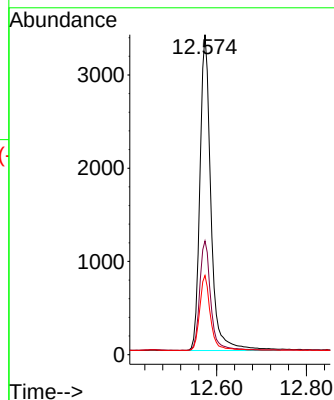
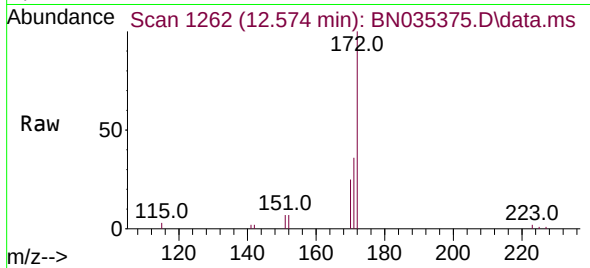




#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 12.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

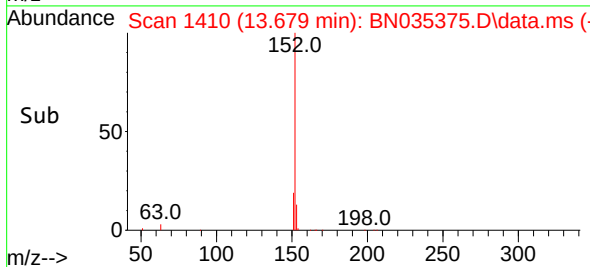
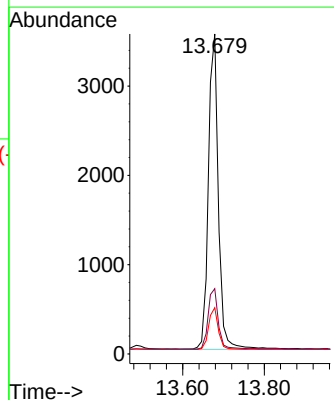
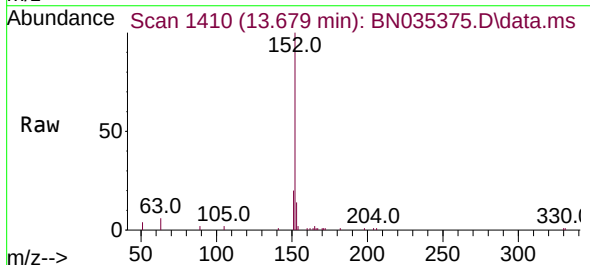
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

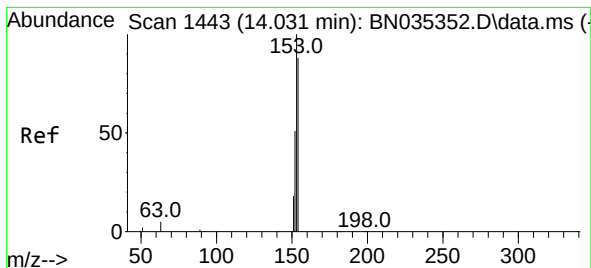
Tgt Ion:172 Resp: 5760
Ion Ratio Lower Upper
172 100
171 35.5 29.0 43.4
170 24.7 19.8 29.8



#16
Acenaphthylene
Concen: 0.378 ng
RT: 13.679 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:152 Resp: 6028
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.2
153 12.9 10.4 15.6





#17

Acenaphthene

Concen: 0.388 ng

RT: 14.031 min Scan# 1443

Delta R.T. 0.000 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

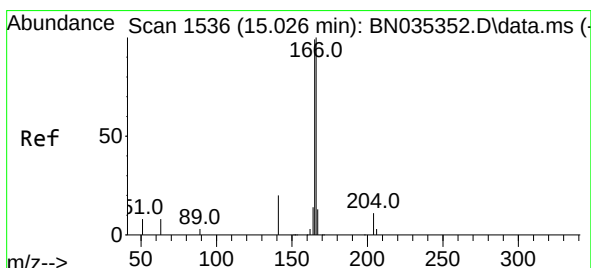
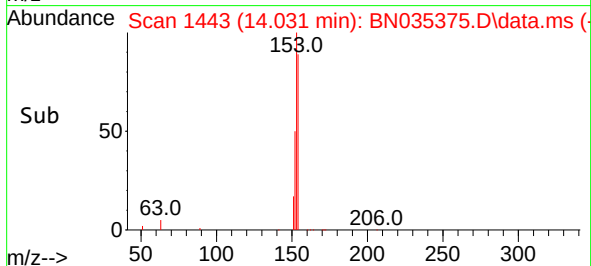
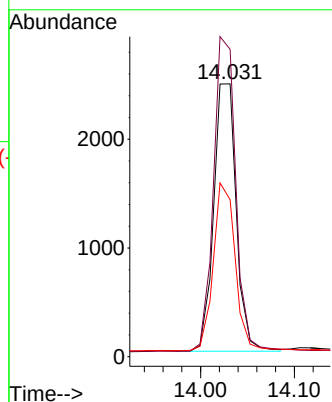
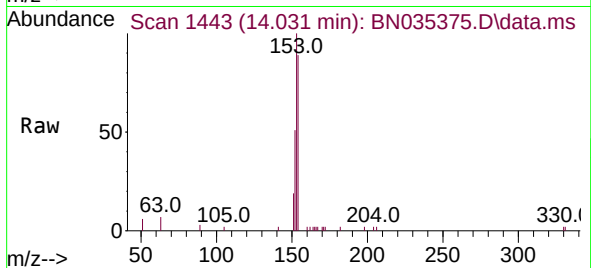
Tgt Ion:154 Resp: 4106

Ion Ratio Lower Upper

154 100

153 117.0 92.6 139.0

152 61.6 49.0 73.6



#18

Fluorene

Concen: 0.392 ng

RT: 15.026 min Scan# 1536

Delta R.T. 0.000 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

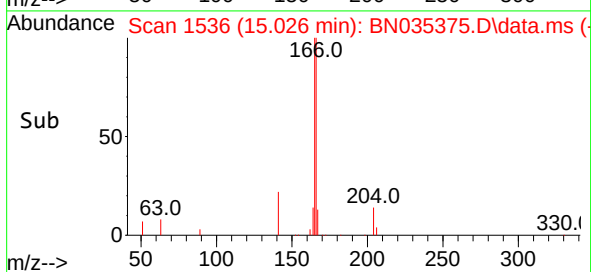
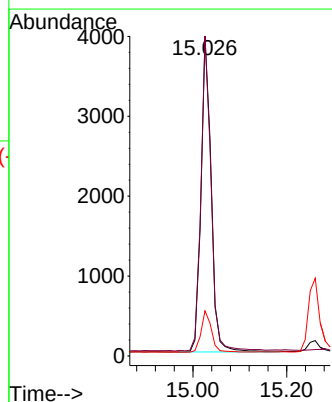
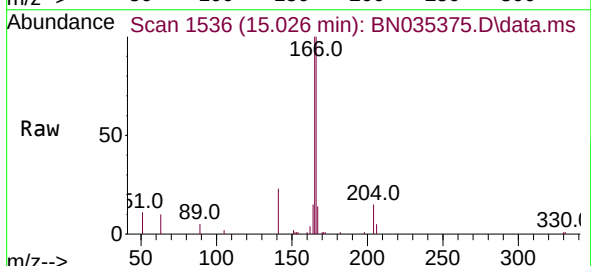
Tgt Ion:166 Resp: 5935

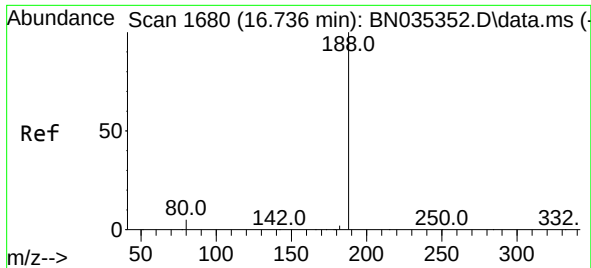
Ion Ratio Lower Upper

166 100

165 99.5 79.7 119.5

167 13.3 10.8 16.2

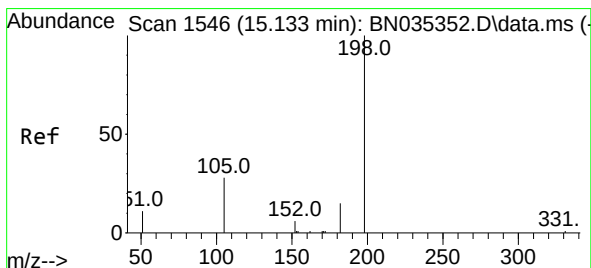
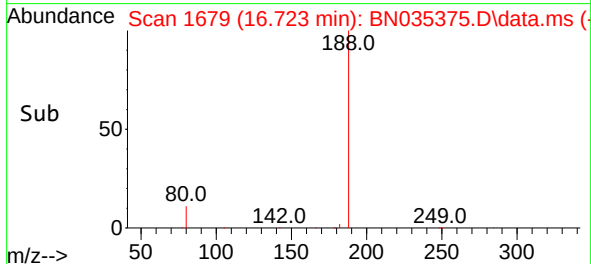
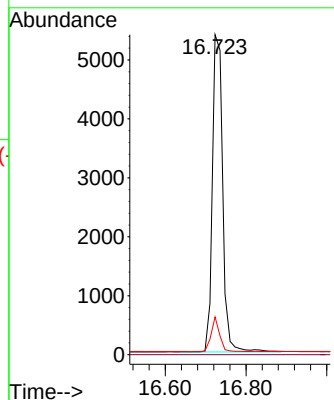
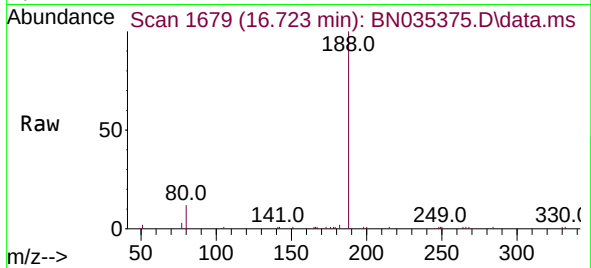




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.723 min Scan# 1679
Delta R.T. -0.012 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

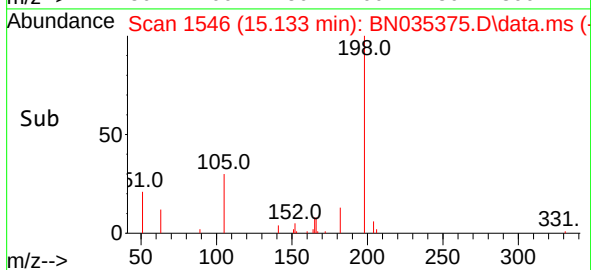
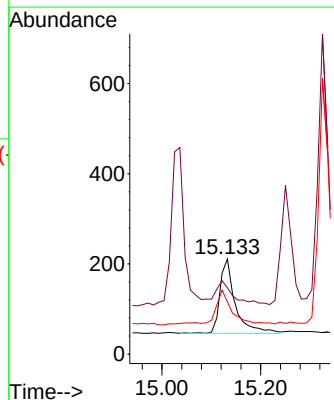
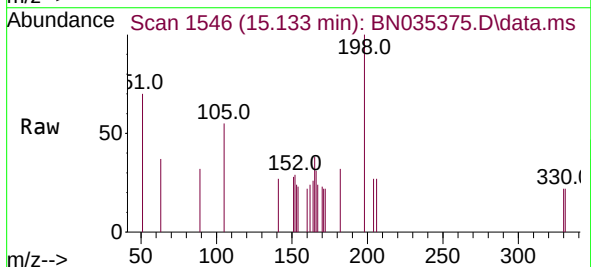
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

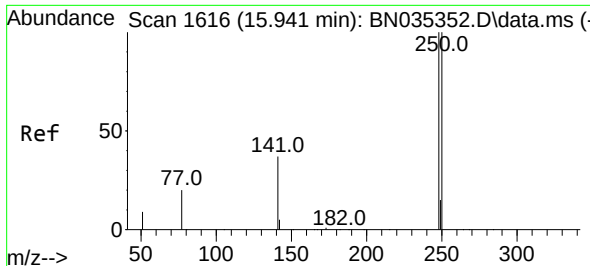
Tgt Ion:188 Resp: 9566
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.8 4.6 6.8#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.380 ng
RT: 15.133 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:198 Resp: 357
Ion Ratio Lower Upper
198 100
51 69.7 46.5 69.7
105 55.0 45.3 67.9

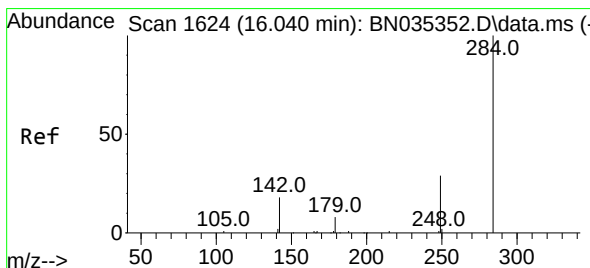
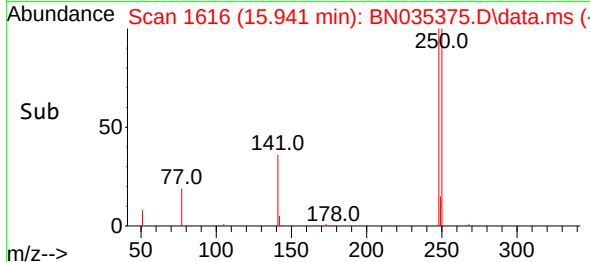
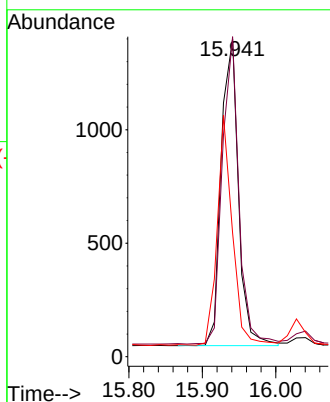
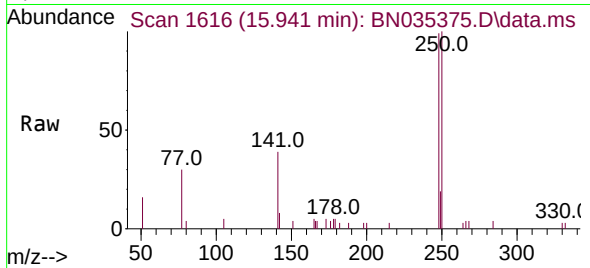




#21
4-Bromophenyl-phenylether
Concen: 0.394 ng
RT: 15.941 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

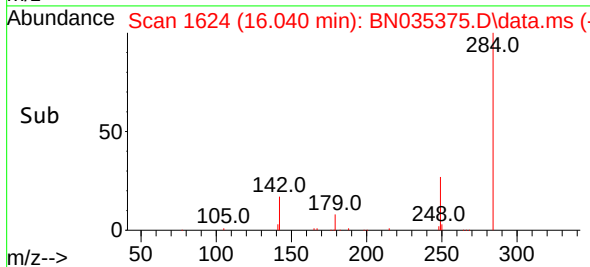
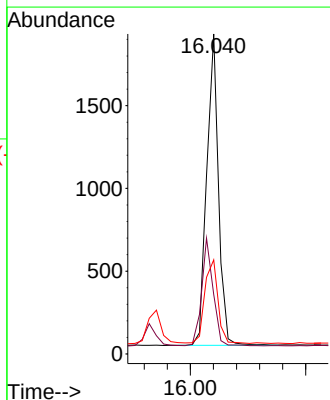
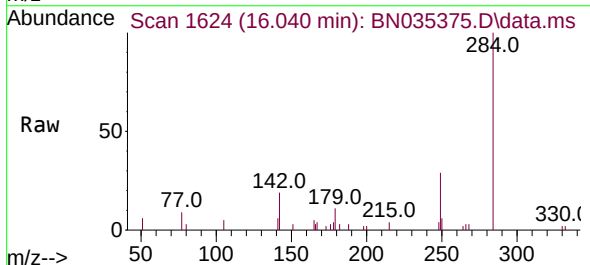
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

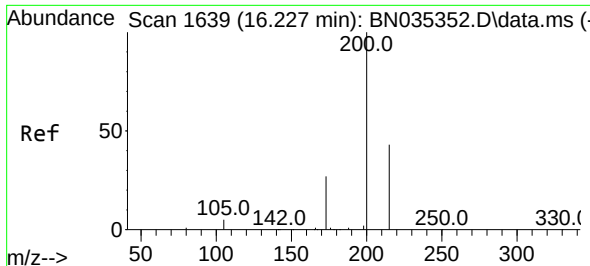
Tgt Ion:248 Resp: 2206
Ion Ratio Lower Upper
248 100
250 100.7 80.6 120.8
141 38.9 31.5 47.3



#22
Hexachlorobenzene
Concen: 0.404 ng
RT: 16.040 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:284 Resp: 2655
Ion Ratio Lower Upper
284 100
142 33.9 26.7 40.1
249 30.2 24.6 36.8

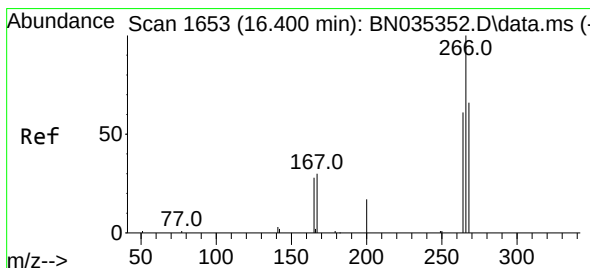
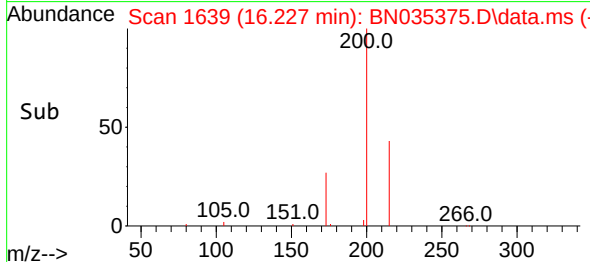
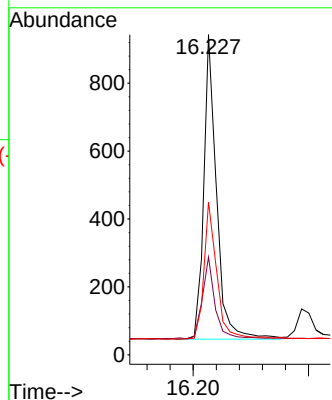
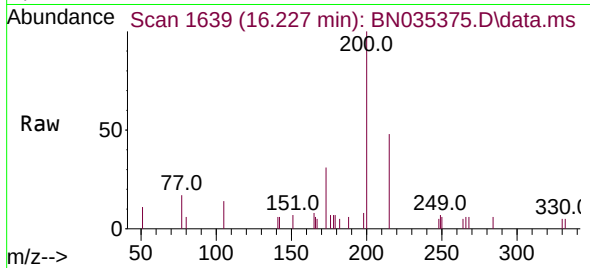




#23
 Atrazine
 Concen: 0.347 ng
 RT: 16.227 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: BN035375.D
 Acq: 28 Nov 2024 09:02

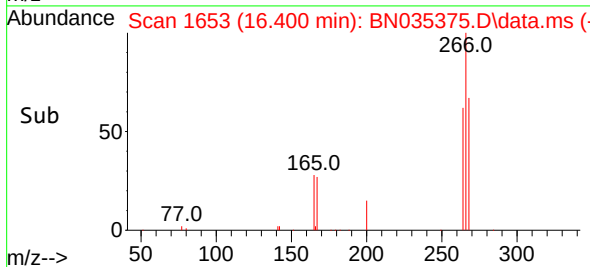
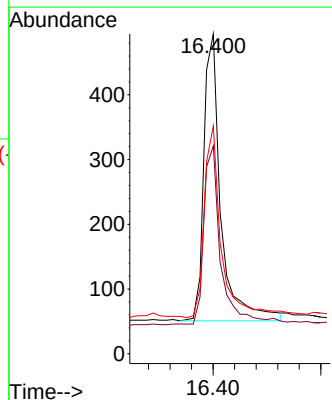
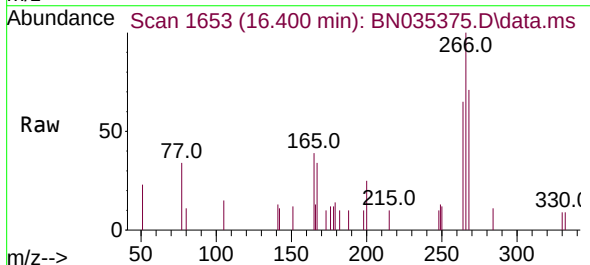
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

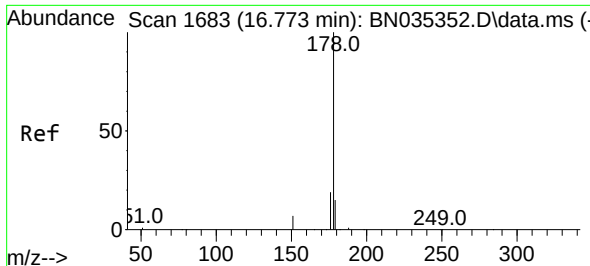
Tgt Ion:200 Resp: 1384
 Ion Ratio Lower Upper
 200 100
 173 30.5 24.1 36.1
 215 47.7 36.9 55.3



#24
 Pentachlorophenol
 Concen: 0.340 ng
 RT: 16.400 min Scan# 1653
 Delta R.T. 0.000 min
 Lab File: BN035375.D
 Acq: 28 Nov 2024 09:02

Tgt Ion:266 Resp: 973
 Ion Ratio Lower Upper
 266 100
 264 62.7 42.3 63.5
 268 67.7 43.3 64.9#

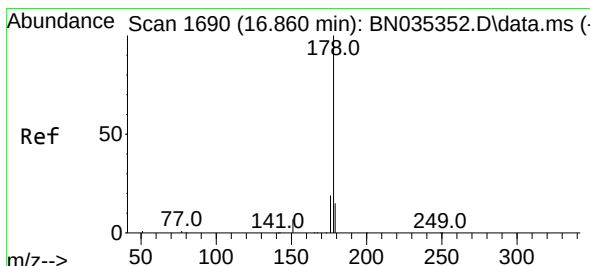
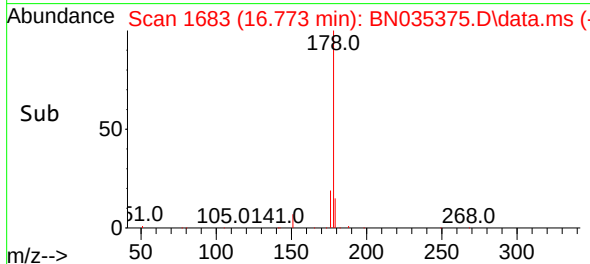
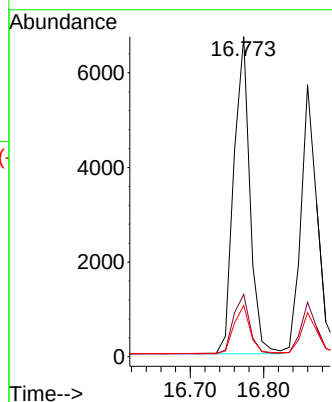
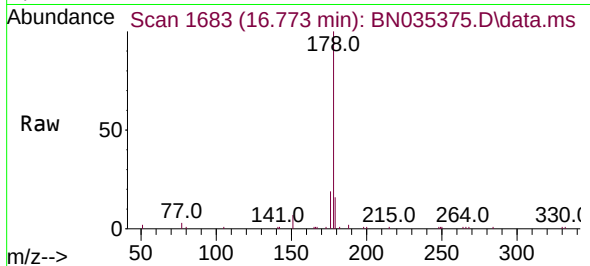




#25
Phenanthrene
Concen: 0.388 ng
RT: 16.773 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

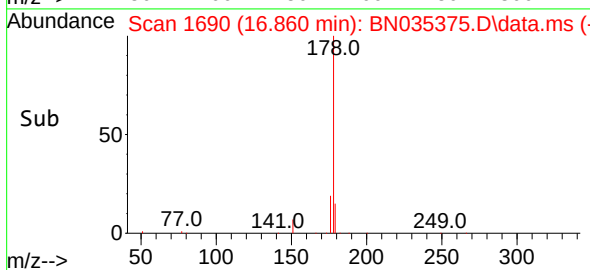
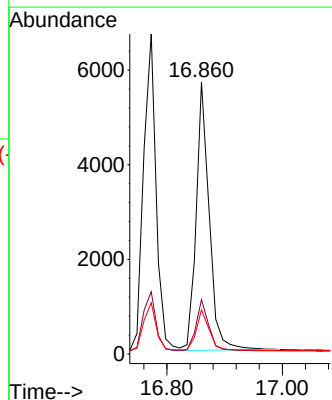
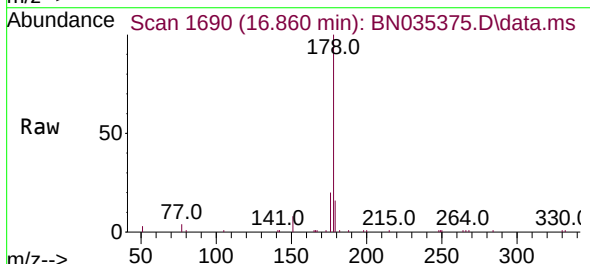
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

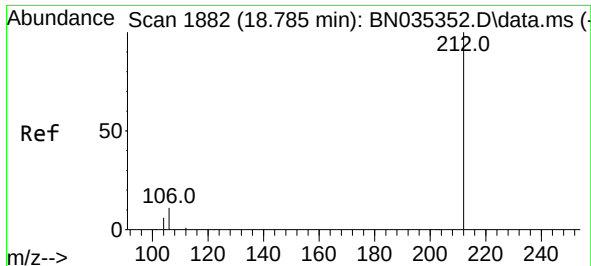
Tgt Ion:178 Resp: 10204
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.4 12.3 18.5



#26
Anthracene
Concen: 0.376 ng
RT: 16.860 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:178 Resp: 8929
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.5 12.6 18.8

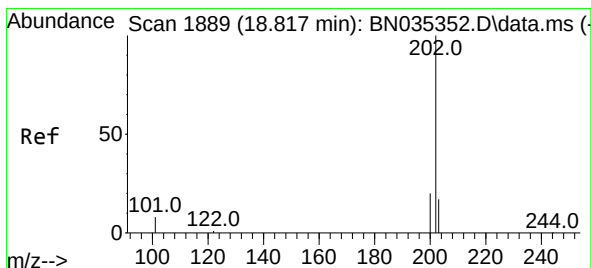
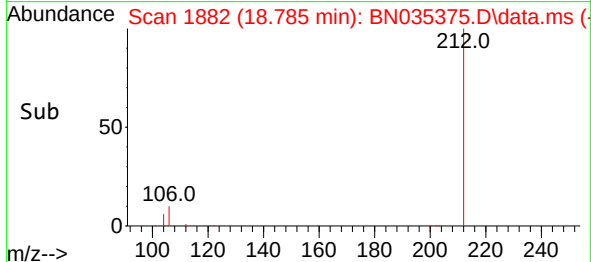
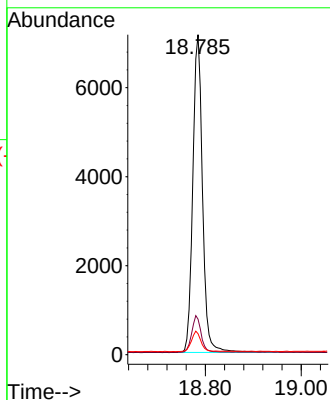
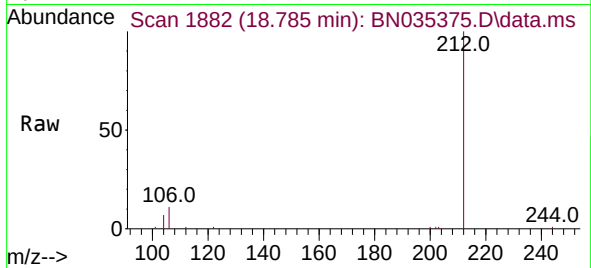




#27
Fluoranthene-d10
Concen: 0.373 ng
RT: 18.785 min Scan# 1882
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

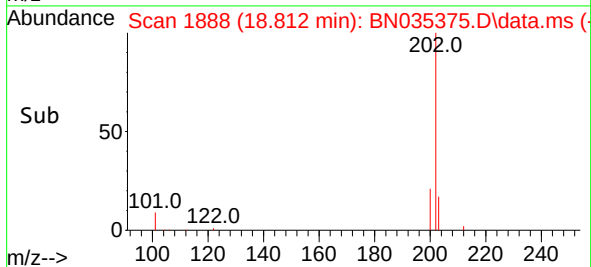
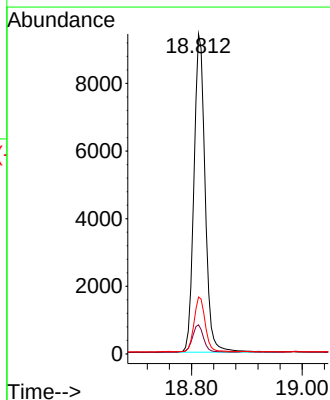
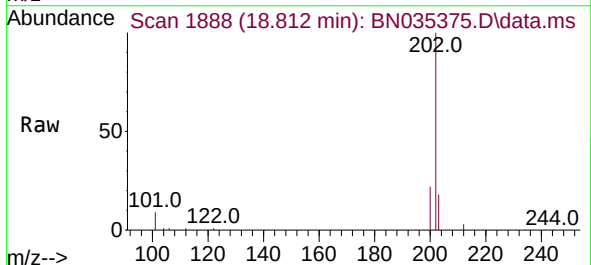
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

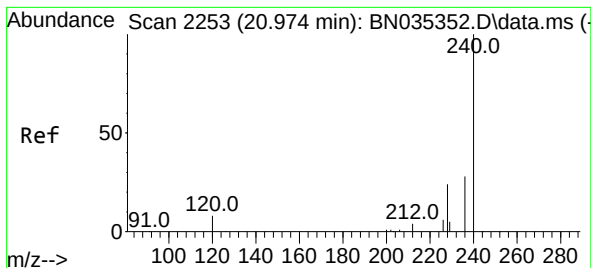
Tgt Ion:212 Resp: 10104
Ion Ratio Lower Upper
212 100
106 11.1 9.2 13.8
104 6.3 5.3 7.9



#28
Fluoranthene
Concen: 0.373 ng
RT: 18.812 min Scan# 1888
Delta R.T. -0.005 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:202 Resp: 13216
Ion Ratio Lower Upper
202 100
101 8.6 7.4 11.0
203 17.0 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.974 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

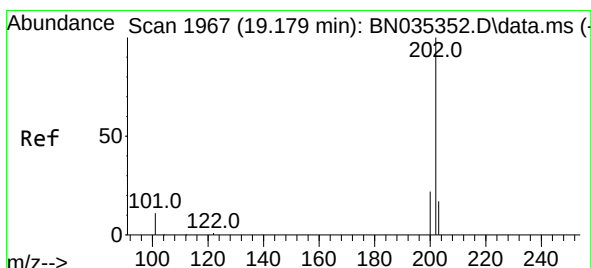
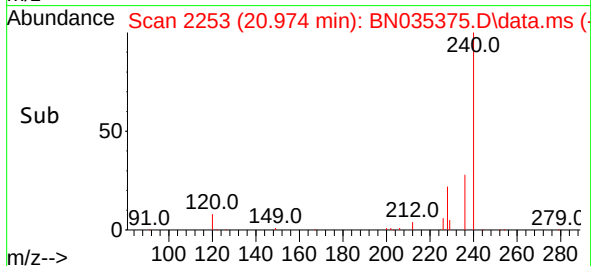
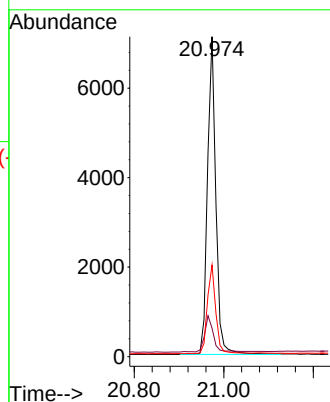
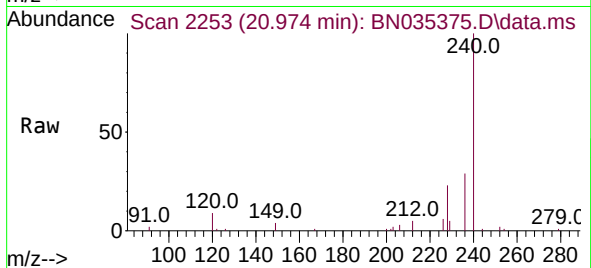
Tgt Ion:240 Resp: 9222

Ion Ratio Lower Upper

240 100

120 8.9 7.9 11.9

236 28.6 22.9 34.3



#30

Pyrene

Concen: 0.403 ng

RT: 19.179 min Scan# 1967

Delta R.T. 0.000 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

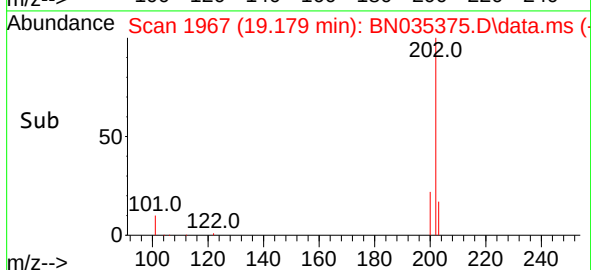
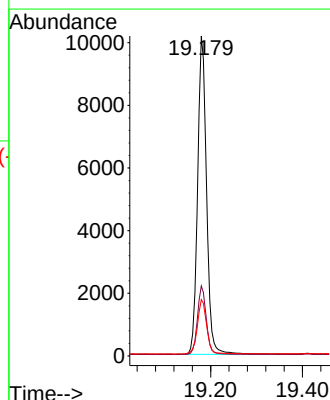
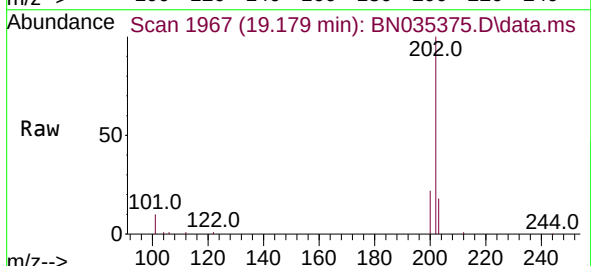
Tgt Ion:202 Resp: 13731

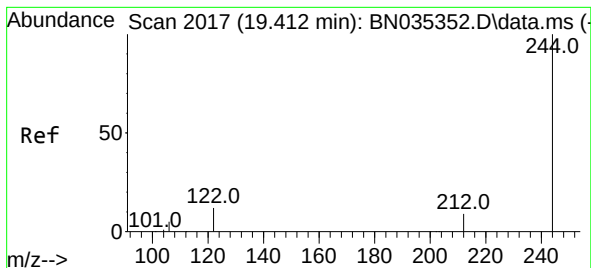
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 17.8 14.3 21.5





#31

Terphenyl-d14

Concen: 0.399 ng

RT: 19.412 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BN035375.D

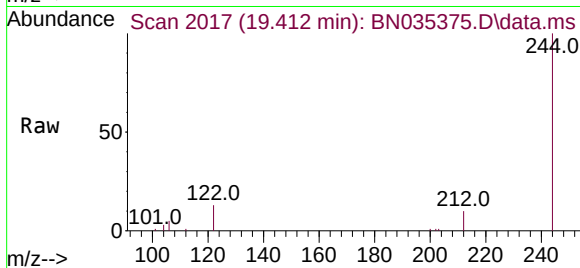
Acq: 28 Nov 2024 09:02

Instrument :

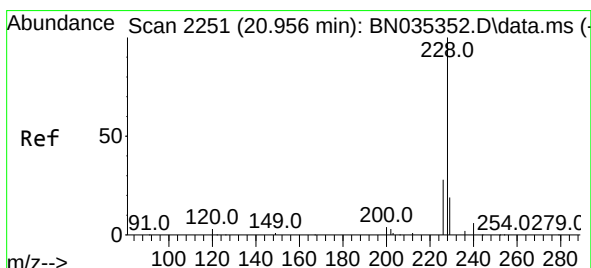
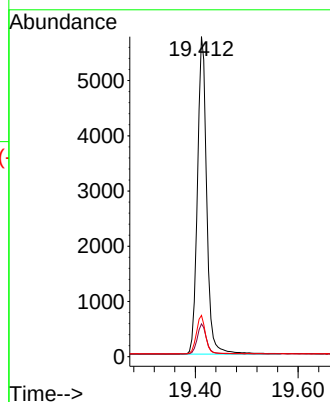
BNA_N

ClientSampleId :

SSTDCCC0.4EC



Tgt Ion:	244	Resp:	7255
Ion Ratio	Lower	Upper	
244	100		
212	10.3	8.1	12.1
122	12.9	10.3	15.5



#32

Benzo(a)anthracene

Concen: 0.372 ng

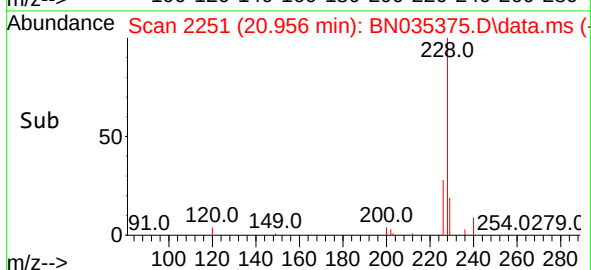
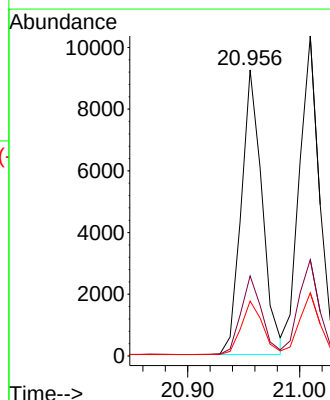
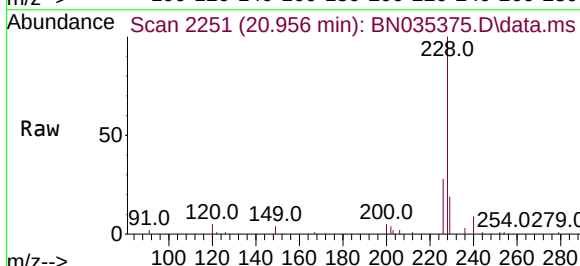
RT: 20.956 min Scan# 2251

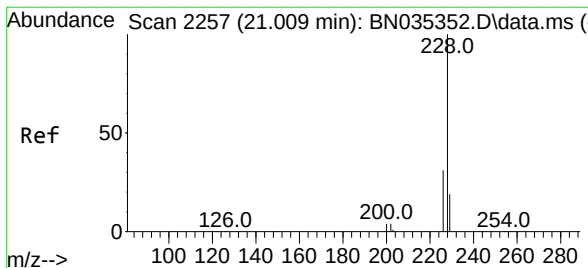
Delta R.T. 0.000 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

Tgt Ion:	228	Resp:	11985
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.5	33.7
229	19.2	15.8	23.8





#33

Chrysene

Concen: 0.402 ng

RT: 21.009 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

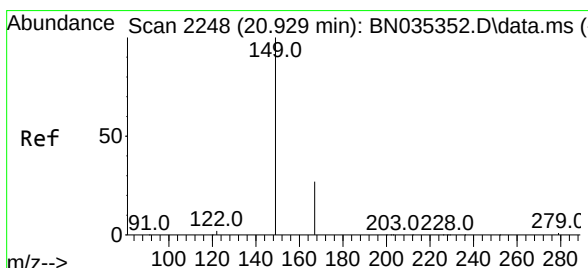
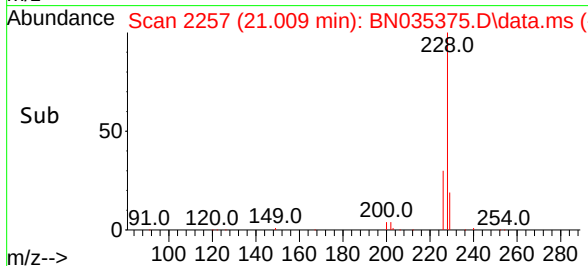
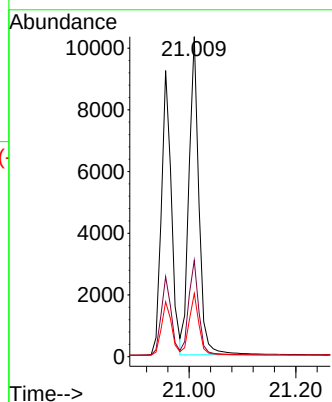
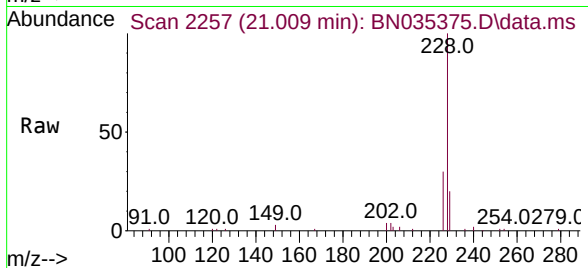
Tgt Ion:228 Resp: 13365

Ion Ratio Lower Upper

228 100

226 30.1 24.6 37.0

229 19.8 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.344 ng

RT: 20.929 min Scan# 2248

Delta R.T. 0.000 min

Lab File: BN035375.D

Acq: 28 Nov 2024 09:02

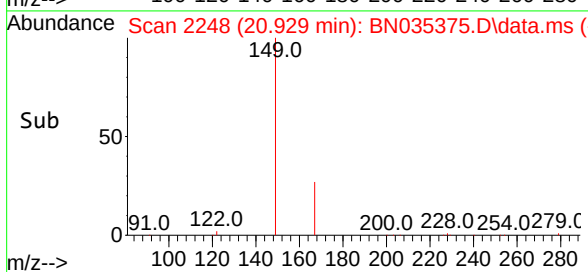
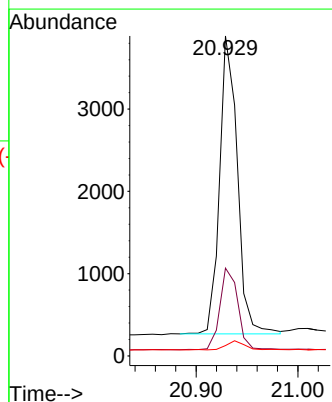
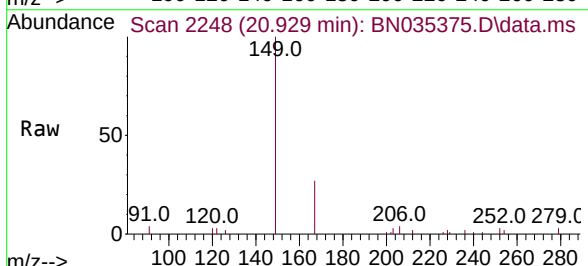
Tgt Ion:149 Resp: 4380

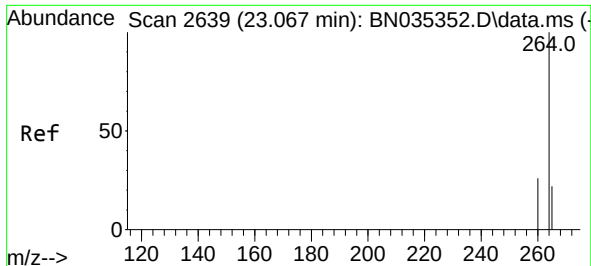
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.4

279 3.3 2.7 4.1

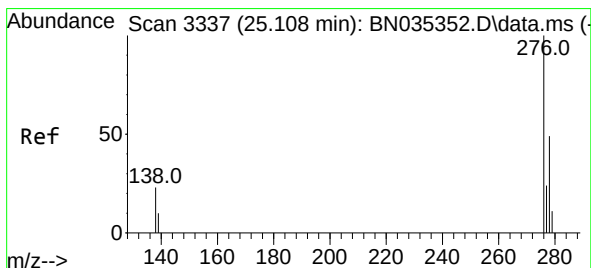
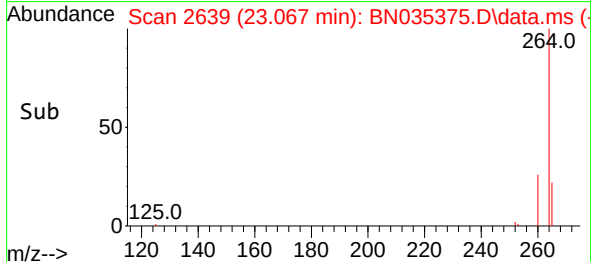
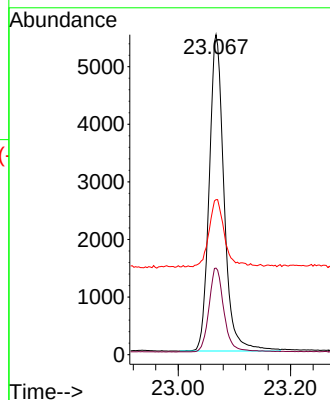
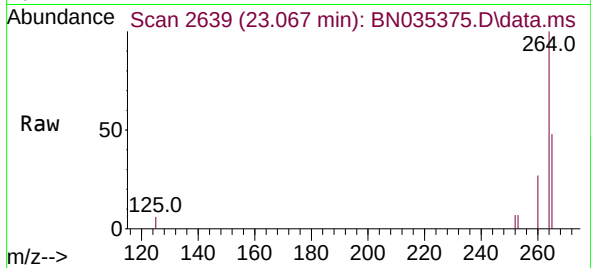




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.067 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

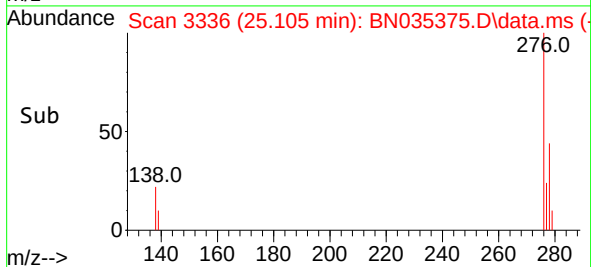
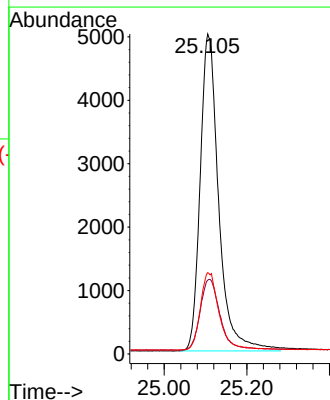
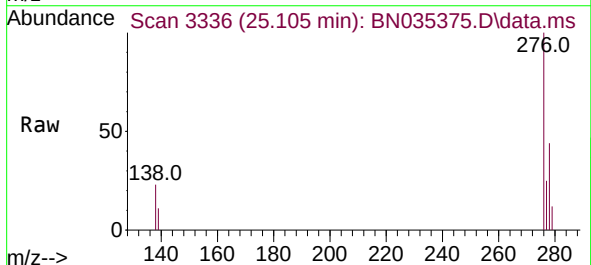
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

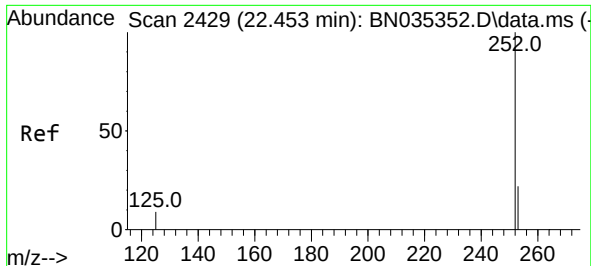
Tgt Ion:264 Resp: 10081
Ion Ratio Lower Upper
264 100
260 27.0 21.4 32.2
265 48.5 40.2 60.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.394 ng
RT: 25.105 min Scan# 3336
Delta R.T. -0.003 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:276 Resp: 15538
Ion Ratio Lower Upper
276 100
138 23.6 19.4 29.0
277 24.8 19.8 29.6

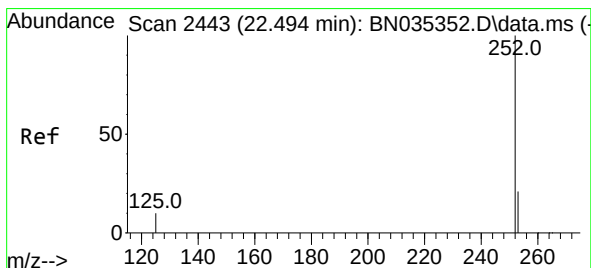
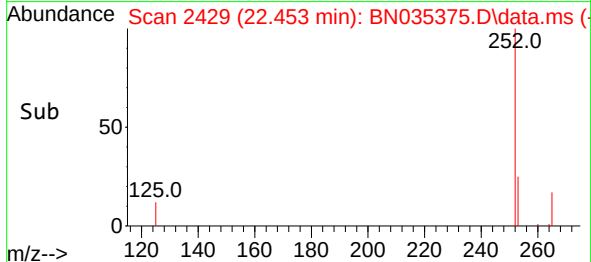
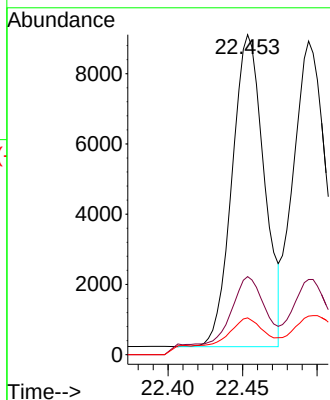
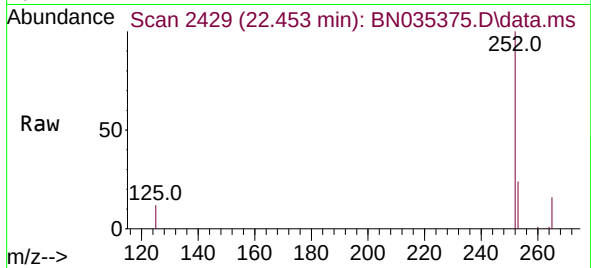




#37
Benzo(b)fluoranthene
Concen: 0.361 ng
RT: 22.453 min Scan# 2429
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

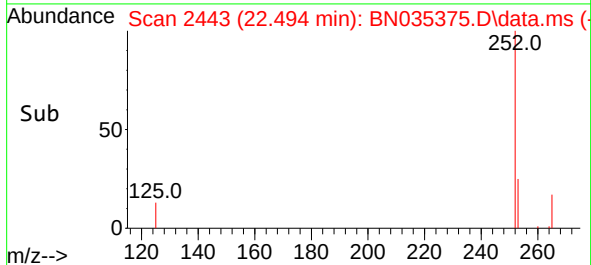
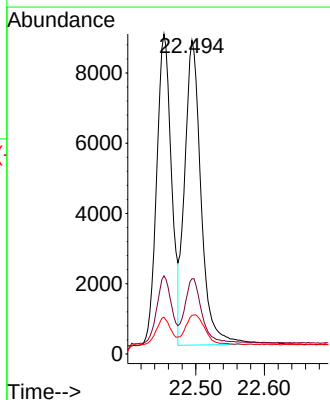
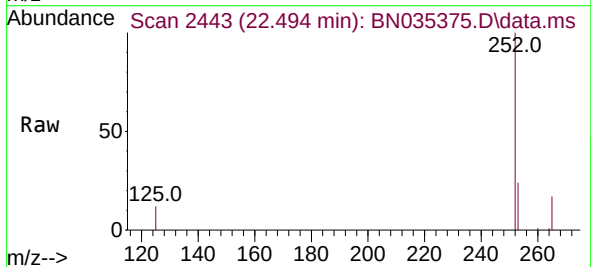
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

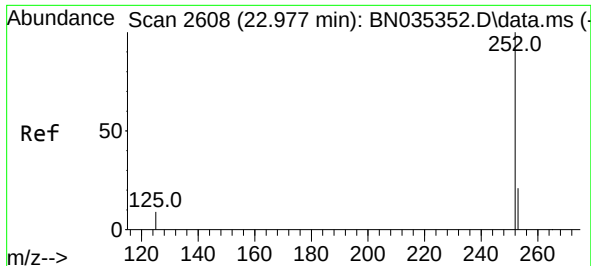
Tgt Ion:252 Resp: 13327
Ion Ratio Lower Upper
252 100
253 24.4 19.6 29.4
125 11.5 9.6 14.4



#38
Benzo(k)fluoranthene
Concen: 0.397 ng
RT: 22.494 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

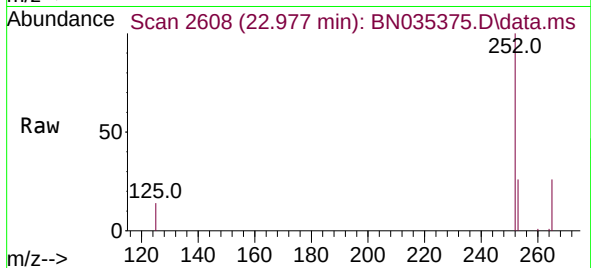
Tgt Ion:252 Resp: 14406
Ion Ratio Lower Upper
252 100
253 24.0 19.5 29.3
125 12.3 10.2 15.4



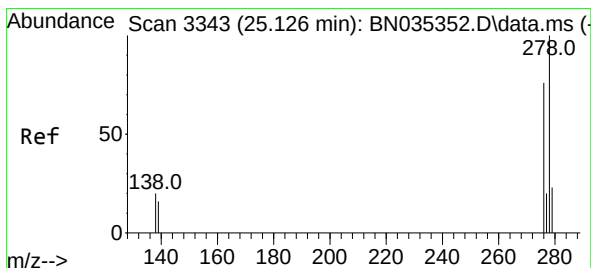
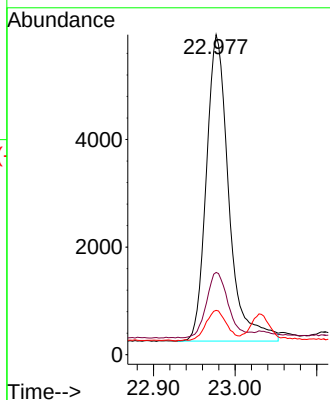


#39
Benzo(a)pyrene
Concen: 0.359 ng
RT: 22.977 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

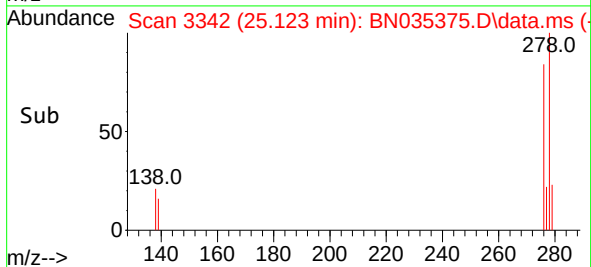
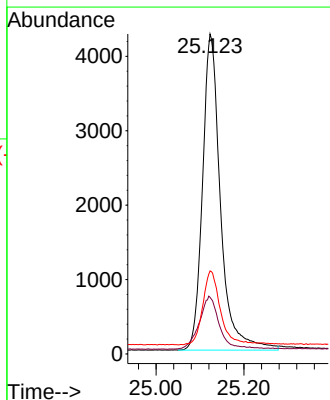
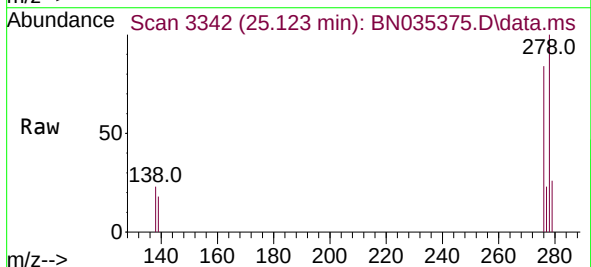


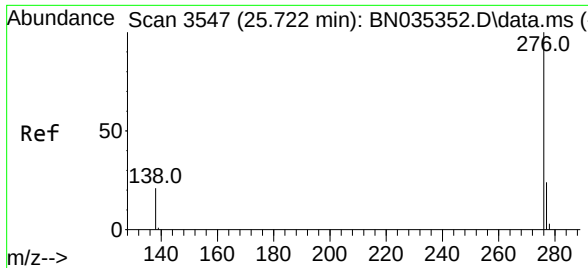
Tgt Ion:252 Resp: 10891
Ion Ratio Lower Upper
252 100
253 25.7 20.2 30.4
125 13.8 10.9 16.3



#40
Dibenzo(a,h)anthracene
Concen: 0.389 ng
RT: 25.123 min Scan# 3342
Delta R.T. -0.003 min
Lab File: BN035375.D
Acq: 28 Nov 2024 09:02

Tgt Ion:278 Resp: 12092
Ion Ratio Lower Upper
278 100
139 17.7 14.2 21.4
279 26.0 20.5 30.7





#41
 Benzo(g,h,i)perylene
 Concen: 0.385 ng
 RT: 25.722 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BN035375.D
 Acq: 28 Nov 2024 09:02

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion:	276	Resp:	12501
Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.9	29.9
138	21.3	17.8	26.8

