

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:	Q3788	OrderDate:	12/5/2025 7:44:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	A11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3788-01	OWBR-05-135-12052 5	Water			12/05/25			12/05/25
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/12/25	
Q3788-01DL	OWBR-05-135-12052 SDL	Water			12/05/25			12/05/25
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/12/25	
Q3788-07	OW-01B-66.5-120525	Water			12/05/25			12/05/25
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/11/25	
Q3788-09	BR-05-465-120525	Water			12/05/25			12/05/25
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/12/25	
Q3788-11	MW-16B-87.5-120525	Water			12/05/25			12/05/25
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/11/25	



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Hit Summary Sheet SW-846

SDG No.: Q3788

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	OWBR-05-135-120525						
Q3788-01	OWBR-05-135-120525	WATER 1,4-Dioxane	34.300	E	0.08	0.23	ug/L
		Total Svoc :			34.30		
		Total Concentration:			34.30		
Client ID :	OWBR-05-135-120525DL						
Q3788-01DL	OWBR-05-135-120525D	WATER 1,4-Dioxane	33.700	D	0.76	2.3	ug/L
		Total Svoc :			33.70		
		Total Concentration:			33.70		
Client ID :	OW-01B-66.5-120525						
Q3788-07	OW-01B-66.5-120525	WATER 1,4-Dioxane	0.080	J	0.07	0.22	ug/L
		Total Svoc :			0.08		
		Total Concentration:			0.08		
Client ID :	BR-05-465-120525						
Q3788-09	BR-05-465-120525	WATER 1,4-Dioxane	0.360		0.07	0.2	ug/L
		Total Svoc :			0.36		
		Total Concentration:			0.36		



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3788

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170850BL	PB170850BL	2-Methylnaphthalene-d10	0.4	0.36	90		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.35	88		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.40	100		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.38	94		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.45	113		30 (54)	130 (175)
PB170850BS	PB170850BS	2-Methylnaphthalene-d10	0.4	0.39	96		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.34	84		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.40	99		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.40	100		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.45	112		30 (54)	130 (175)
Q3788-01	OWBR-05-135-120525	2-Methylnaphthalene-d10	0.4	0.30	75		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.36	91		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	81		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.30	76		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.42	104		30 (54)	130 (175)
Q3788-01DL	OWBR-05-135-120525DL	2-Methylnaphthalene-d10	0.4	0.28	70		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.36	90		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	80		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.30	75		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.41	102		30 (54)	130 (175)
Q3788-02MS	OWBR-05-135-120525MS	2-Methylnaphthalene-d10	0.4	0.29	72		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.37	93		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	81		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.32	79		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.40	101		30 (54)	130 (175)
Q3788-03MSD	OWBR-05-135-120525MSD	2-Methylnaphthalene-d10	0.4	0.26	65		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.35	86		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.31	76		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.31	77		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.38	96		30 (54)	130 (175)
Q3788-07	OW-01B-66.5-120525	2-Methylnaphthalene-d10	0.4	0.27	67		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.38	95		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	83		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.27	68		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.40	100		30 (54)	130 (175)
Q3788-09	BR-05-465-120525	2-Methylnaphthalene-d10	0.4	0.27	68		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.36	89		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.27	67		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.31	76		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.39	97		30 (54)	130 (175)
Q3788-11	MW-16B-87.5-120525	2-Methylnaphthalene-d10	0.4	0.32	81		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.40	100		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.34	84		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.31	78		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.41	102		30 (54)	130 (175)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3788

Analytical Method: SW8270-Modified

Client: JACOBS Engineering Group, Inc.

DataFile: BN038335.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3788-02MS	Client Sample ID:	OWBR-05-135-120525MS								
1,4-Dioxane	0.41	34.3	31.0	ug/L	-805	*			20 (10)	160 (175)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3788

Analytical Method: SW8270-Modified

Client: JACOBS Engineering Group, Inc.

DataFile: BN038336.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3788-03MSD		Client Sample ID: OWBR-05-135-120525MSD									
1,4-Dioxane	0.4	34.3	28.3	ug/L	-1500	*	60	*	20 (10)	160 (175)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3788

Analytical Method: 8270-Modified

Client: JACOBS Engineering Group, Inc.

DataFile: BN038327.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170850BS	1,4-Dioxane	0.4	0.30	ug/L	75				20 (65)	160 (116)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170850BL

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3788

Lab File ID: BN038312.D

Lab Sample ID: PB170850BL

Instrument ID: BNA_N

Date Extracted: 12/08/2025

Matrix: (soil/water) Water

Date Analyzed: 12/11/2025

Level: (low/med) LOW

Time Analyzed: 11:49

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170850BS	PB170850BS	BN038327.D	12/11/2025
OW-01B-66.5-120525	Q3788-07	BN038325.D	12/11/2025
OWBR-05-135-120525	Q3788-01	BN038334.D	12/12/2025
OWBR-05-135-120525MS	Q3788-02MS	BN038335.D	12/12/2025
OWBR-05-135-120525MSD	Q3788-03MSD	BN038336.D	12/12/2025
MW-16B-87.5-120525	Q3788-11	BN038326.D	12/11/2025
BR-05-465-120525	Q3788-09	BN038340.D	12/12/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038297.D
Instrument ID: BNA_N

Contract: JAC005
SDG NO.: Q3788
DFTPP Injection Date: 12/10/2025
DFTPP Injection Time: 09:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	37.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
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	6.6
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	92.6
443	15.0 - 24.0% of mass 442	16.9 (18.2) 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	BN038298.D	12/10/2025	09:52
SSTDICC0.2	SSTDICC0.2	BN038299.D	12/10/2025	10:28
SSTDICCC0.4	SSTDICCC0.4	BN038300.D	12/10/2025	11:05
SSTDICC0.8	SSTDICC0.8	BN038301.D	12/10/2025	11:41
SSTDICC1.6	SSTDICC1.6	BN038302.D	12/10/2025	12:17
SSTDICC3.2	SSTDICC3.2	BN038303.D	12/10/2025	12:53
SSTDICC5.0	SSTDICC5.0	BN038304.D	12/10/2025	13:30



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038310.D
Instrument ID: BNA_N

Contract: JAC005
SDG NO.: Q3788
DFTPP Injection Date: 12/11/2025
DFTPP Injection Time: 10:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.2) 1
69	Mass 69 relative abundance	36.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
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	6.6
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13
442	Greater than 50% of mass 198	87.3
443	15.0 - 24.0% of mass 442	16.6 (19) 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	BN038311.D	12/11/2025	11:13
PB170850BL	PB170850BL	BN038312.D	12/11/2025	11:49
OW-01B-66.5-120525	Q3788-07	BN038325.D	12/11/2025	19:40
MW-16B-87.5-120525	Q3788-11	BN038326.D	12/11/2025	20:16
PB170850BS	PB170850BS	BN038327.D	12/11/2025	20:52



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038329.D
Instrument ID: BNA_N

Contract: JAC005
SDG NO.: Q3788
DFTPP Injection Date: 12/11/2025
DFTPP Injection Time: 23:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	95.1
443	15.0 - 24.0% of mass 442	18.9 (19.9) 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
SSTDCCC0.4	SSTDCCC0.4	BN038330.D	12/11/2025	23:59
OWBR-05-135-120525	Q3788-01	BN038334.D	12/12/2025	02:25
OWBR-05-135-120525MS	Q3788-02MS	BN038335.D	12/12/2025	03:01
OWBR-05-135-120525MSD	Q3788-03MSD	BN038336.D	12/12/2025	03:37
BR-05-465-120525	Q3788-09	BN038340.D	12/12/2025	06:02



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038342.D
Instrument ID: BNA_N

Contract: JAC005
SDG NO.: Q3788
DFTPP Injection Date: 12/12/2025
DFTPP Injection Time: 08:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.3) 1
69	Mass 69 relative abundance	41.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
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
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	13
442	Greater than 50% of mass 198	87.1
443	15.0 - 24.0% of mass 442	15.3 (17.6) 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	BN038343.D	12/12/2025	09:24
OWBR-05-135-120525DL	Q3788-01DL	BN038345.D	12/12/2025	10:36

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3788

Client ID : SSTDCCC0.4

Date Analyzed: 12/11/2025

Lab File ID: BN038311.D

Time Analyzed: 11:13

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	6458	7.724	17315	10.53	8838	14.40
UPPER LIMIT	12916	8.224	34630	11.03	17676	14.898
LOWER LIMIT	3229	7.224	8657.5	10.03	4419	13.898
EPA SAMPLE NO.						
01 OW-01B-66.5-120525	5784	7.72	15998	10.52	8662	14.39
02 PB170850BS	6134	7.72	16248	10.52	7966	14.39
03 PB170850BL	6927	7.72	17922	10.53	8615	14.40
04 MW-16B-87.5-120525	5312	7.72	14704	10.52	8122	14.39

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: Alliance

Lab Code: ACE

SDG NO.: Q3788

Client ID: SSTDCCC0.4

Date Analyzed: 12/11/2025

Lab File ID: BN038311.D

Time Analyzed: 11:13

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	16176	17.148	12783	21.348	13576	23.639
UPPER LIMIT	32352	17.648	25566	21.848	27152	24.139
LOWER LIMIT	8088	16.648	6391.5	20.848	6788	23.139
EPA SAMPLE NO.						
01 OW-01B-66.5-120525	16764	17.15	13742	21.34	13571	23.64
02 PB170850BS	13383	17.15	8501	21.34	8673	23.64
03 PB170850BL	14660	17.15	9357	21.35	9320	23.64
04 MW-16B-87.5-120525	14757	17.15	12246	21.34	12457	23.64

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: Alliance

Lab Code: ACE

SDG NO.: Q3788

Client ID : SSTDCCC0.4

Date Analyzed: 12/11/2025

Lab File ID: BN038330.D

Time Analyzed: 23:59

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	5325	7.724	14404	10.52	7509	14.39
UPPER LIMIT	10650	8.224	28808	11.019	15018	14.887
LOWER LIMIT	2662.5	7.224	7202	10.019	3754.5	13.887
EPA SAMPLE NO.						
01 OWBR-05-135-120525	5197	7.72	13973	10.53	7503	14.40
02 OWBR-05-135-120525MS	5363	7.72	14242	10.52	7200	14.39
03 OWBR-05-135-120525MSD	5563	7.72	14775	10.52	7579	14.39
04 BR-05-465-120525	5725	7.72	15596	10.52	7934	14.39

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: Alliance

Lab Code: ACE

SDG NO.: Q3788

Client ID: SSTDCCC0.4

Date Analyzed: 12/11/2025

Lab File ID: BN038330.D

Time Analyzed: 23:59

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	13836	17.148	10979	21.339	11587	23.63
UPPER LIMIT	27672	17.648	21958	21.839	23174	24.13
LOWER LIMIT	6918	16.648	5489.5	20.839	5793.5	23.13
EPA SAMPLE NO.						
01 OWBR-05-135-120525	14344	17.15	10965	21.34	10923	23.63
02 OWBR-05-135-120525MS	12520	17.15	10004	21.34	10310	23.63
03 OWBR-05-135-120525MSD	13283	17.15	10457	21.34	10825	23.63
04 BR-05-465-120525	14347	17.15	11335	21.34	11188	23.63

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: Alliance

Lab Code: ACE

SDG NO.: Q3788

Client ID : SSTDCCC0.4

Date Analyzed: 12/12/2025

Lab File ID: BN038343.D

Time Analyzed: 09:24

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	5196	7.724	14288	10.52	7596	14.39
UPPER LIMIT	10392	8.224	28576	11.019	15192	14.887
LOWER LIMIT	2598	7.224	7144	10.019	3798	13.887
EPA SAMPLE NO.						
01 OWBR-05-135-120525DL	5910	7.72	15826	10.52	8475	14.39

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: Alliance

Lab Code: ACE

SDG NO.: Q3788

Client ID: SSTDCCC0.4

Date Analyzed: 12/12/2025

Lab File ID: BN038343.D

Time Analyzed: 09:24

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	14177	17.148	11670	21.339	12444	23.633
UPPER LIMIT	28354	17.648	23340	21.839	24888	24.133
LOWER LIMIT	7088.5	16.648	5835	20.839	6222	23.133
EPA SAMPLE NO.						
01 OWBR-05-135-120525DL	16300	17.15	12712	21.34	12609	23.63

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



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/05/25
Client Sample ID:	OWBR-05-135-120525	SDG No.:	Q3788
Lab Sample ID:	Q3788-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	870 mL	Test:	SVOC-SIMGroup1
Prep Method :	3510C		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	34.3	E	1	0.080	0.23	ug/L	12/12/25 02:25	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.30			30 (47) - 150 (106)	75%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	91%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.32			30 (56) - 130 (116)	81%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.30			30 (50) - 130 (126)	76%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.42			30 (54) - 130 (175)	104%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5200							
1146-65-2	Naphthalene-d8	14000							
15067-26-2	Acenaphthene-d10	7500							
1517-22-2	Phenanthrene-d10	14300							
1719-03-5	Chrysene-d12	11000							
1520-96-3	Perylene-d12	10900							

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\BN121125\
 Data File : BN038334.D
 Acq On : 12 Dec 2025 02:25
 Operator : RC/JU
 Sample : Q3788-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OWBR-05-135-120525

Quant Time: Dec 12 04:17:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

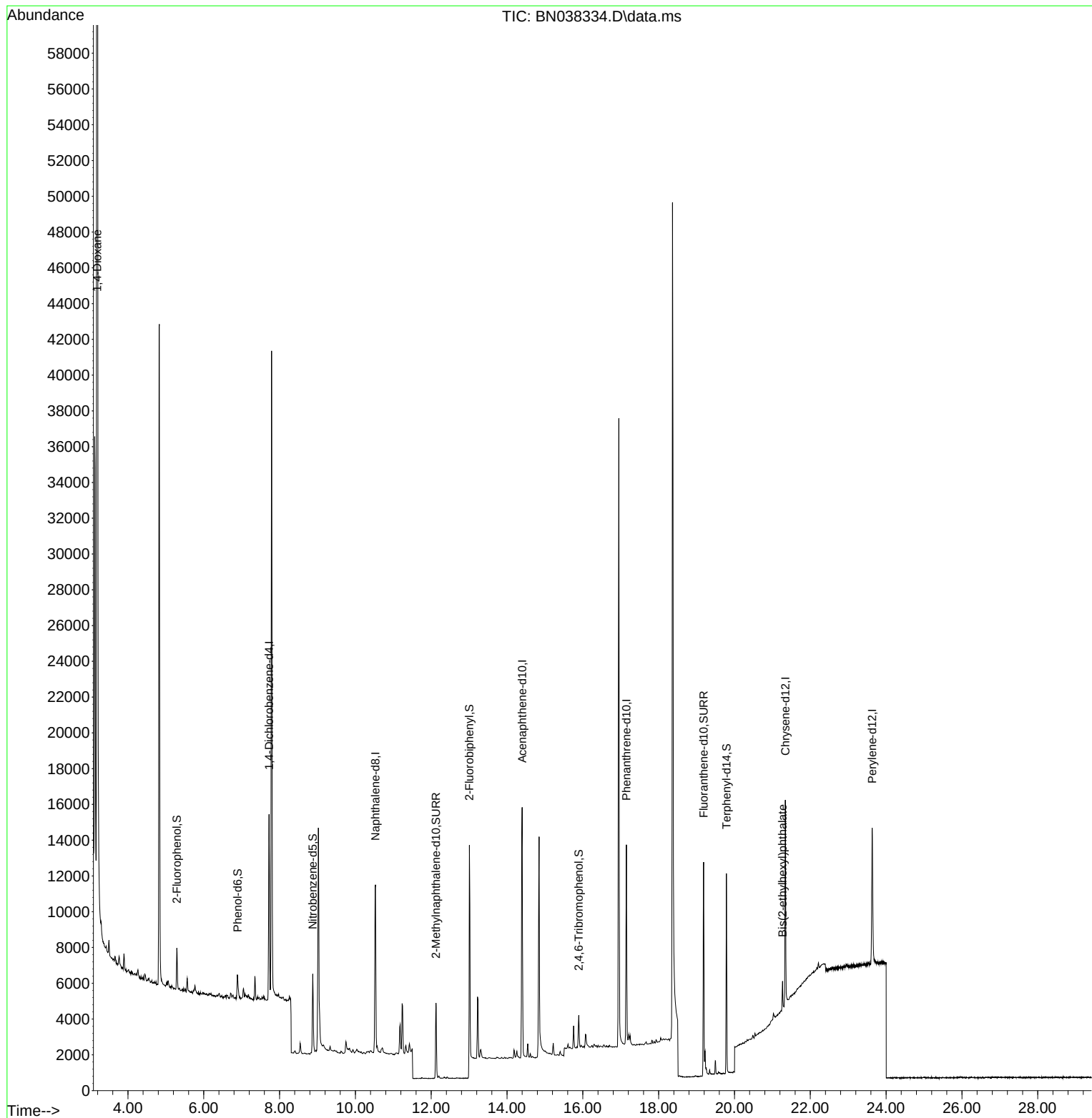
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5197	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	13973	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	7503	0.400	ng	0.00
19) Phenanthrene-d10	17.148	188	14344	0.400	ng	0.00
29) Chrysene-d12	21.339	240	10965	0.400	ng	0.00
35) Perylene-d12	23.633	264	10923	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1875	0.145	ng	0.00
5) Phenol-d6	6.894	99	1342	0.087	ng	0.00
8) Nitrobenzene-d5	8.875	82	3801	0.322	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	5874	0.298	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1093	0.328	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	10958	0.303	ng	0.00
27) Fluoranthene-d10	19.187	212	12918	0.364	ng	0.00
31) Terphenyl-d14	19.787	244	10198	0.417	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.189	88	177803	29.838	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	1697	0.073	ng	# 97

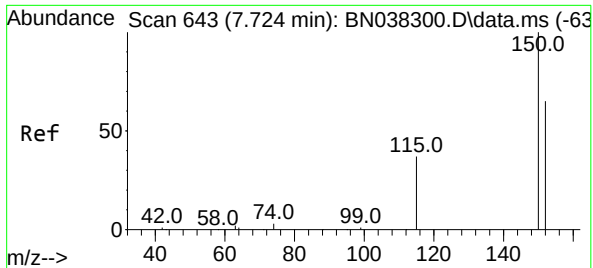
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038334.D
Acq On : 12 Dec 2025 02:25
Operator : RC/JU
Sample : Q3788-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

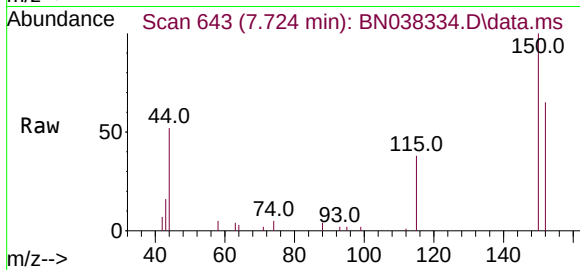
Quant Time: Dec 12 04:17:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



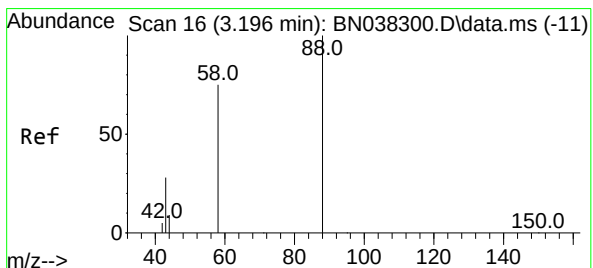
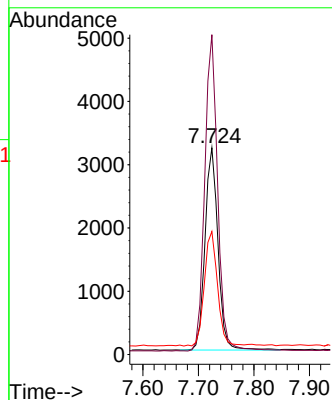
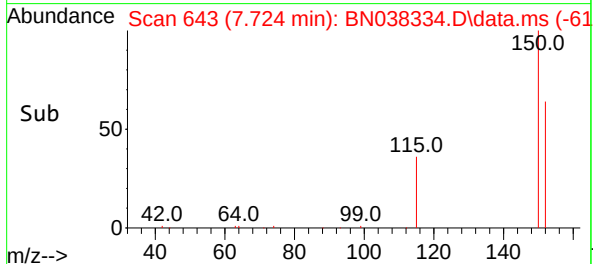


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

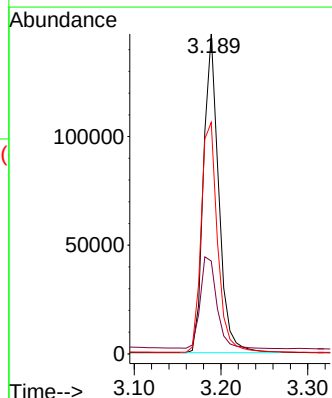
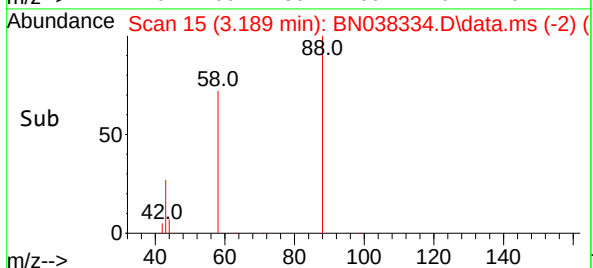
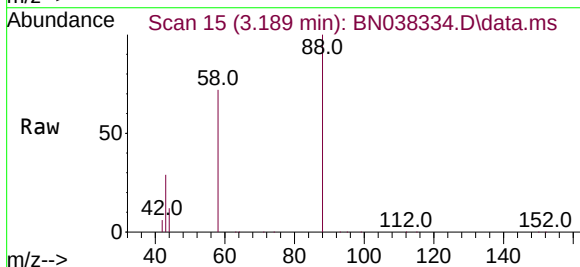


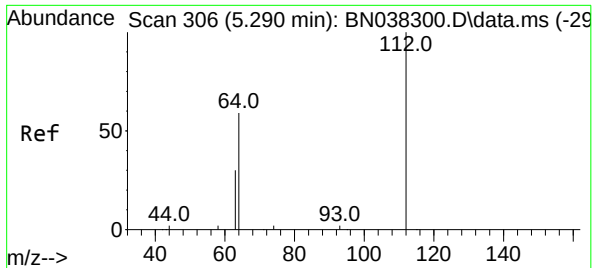
Tgt Ion:152 Resp: 5197
Ion Ratio Lower Upper
152 100
150 154.7 122.4 183.6
115 59.5 47.3 70.9



#2
1,4-Dioxane
Concen: 29.838 ng
RT: 3.189 min Scan# 15
Delta R.T. -0.007 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Tgt Ion: 88 Resp: 177803
Ion Ratio Lower Upper
88 100
43 31.4 24.9 37.3
58 77.6 61.4 92.0

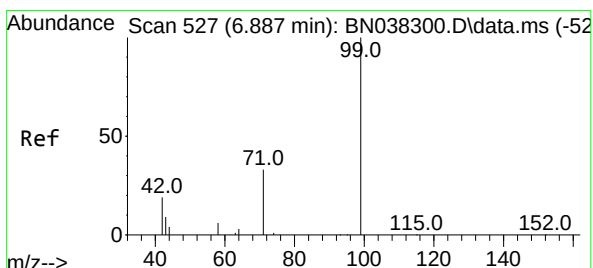
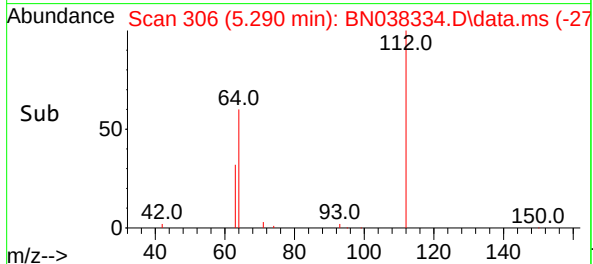
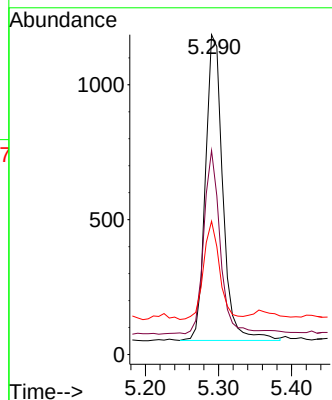
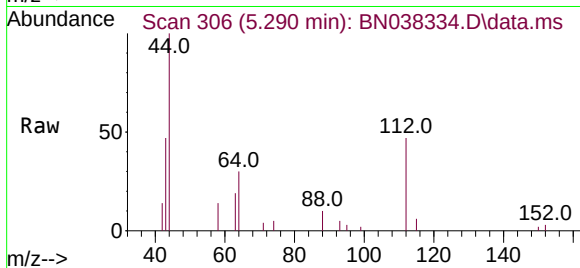




#4
2-Fluorophenol
Concen: 0.145 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

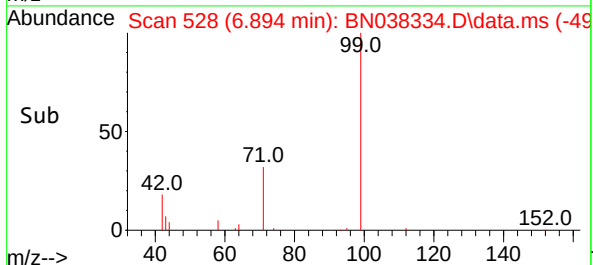
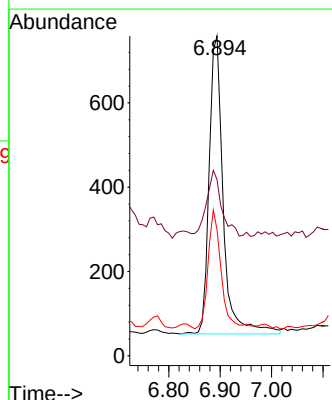
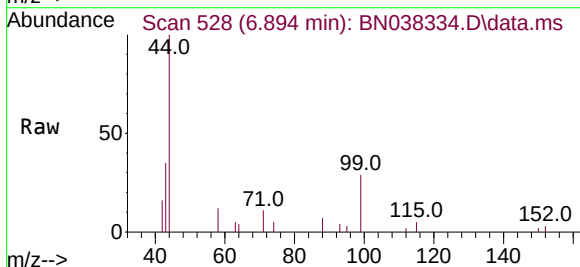
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

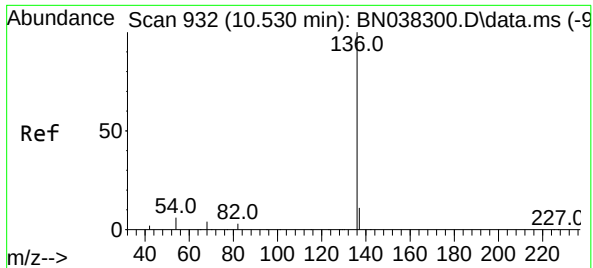
Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.4	66.6
63	29.8	23.4	35.0



#5
Phenol-d6
Concen: 0.087 ng
RT: 6.894 min Scan# 528
Delta R.T. 0.007 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Tgt Ion	Ratio	Lower	Upper
99	100		
42	22.3	16.5	24.7
71	37.2	24.9	37.3

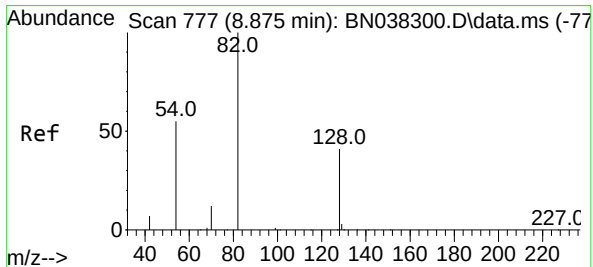
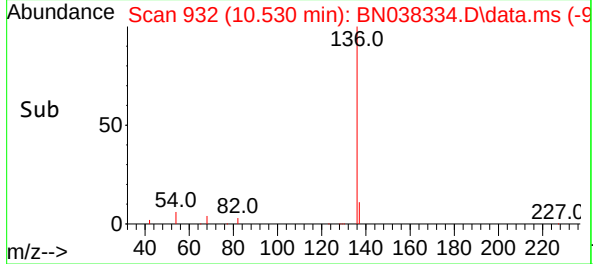
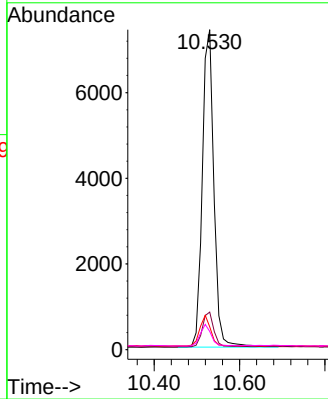
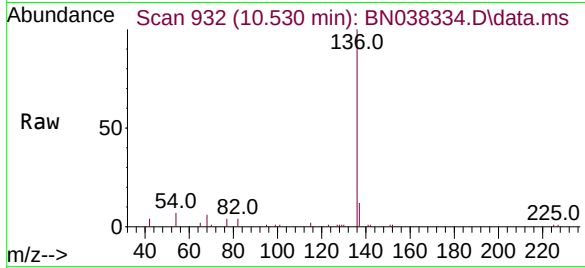




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

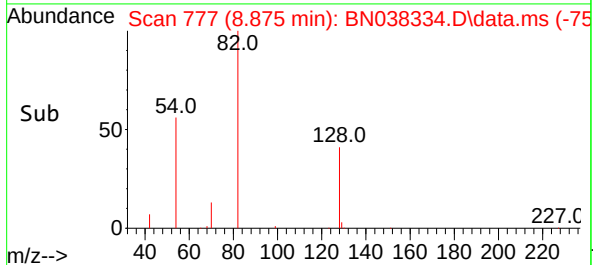
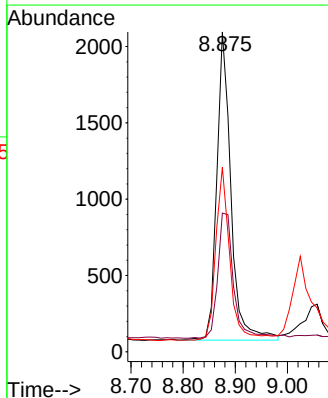
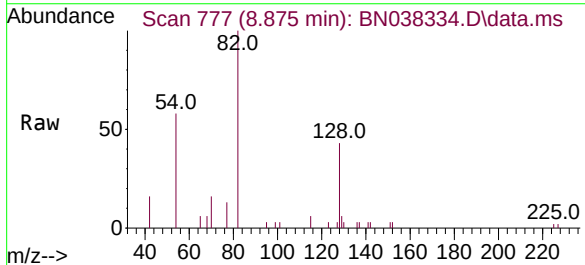
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

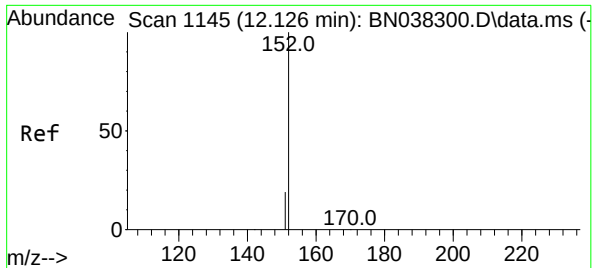
Tgt Ion:	136	Resp:	13973
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	7.1	5.2	7.8
68	5.7	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.322 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Tgt Ion:	82	Resp:	3801
Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.0	51.0
54	57.7	44.4	66.6

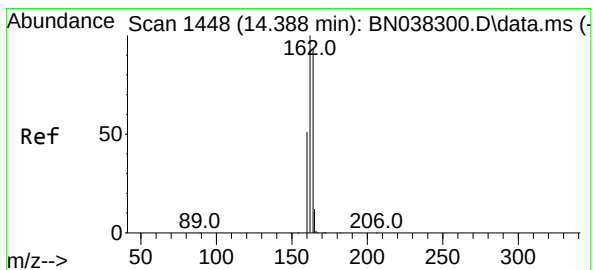
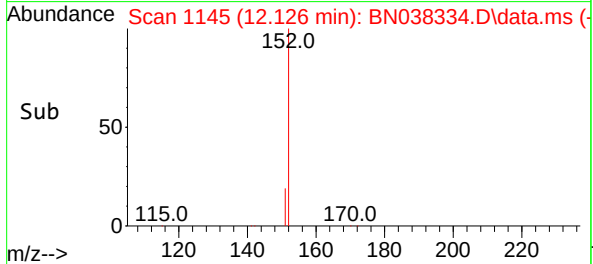
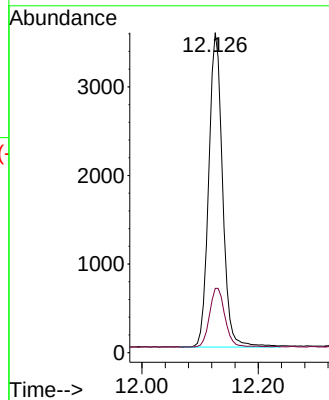
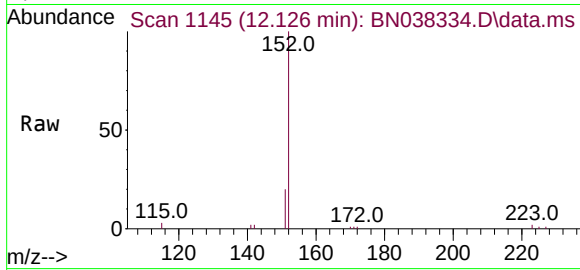




#11
2-Methylnaphthalene-d10
Concen: 0.298 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

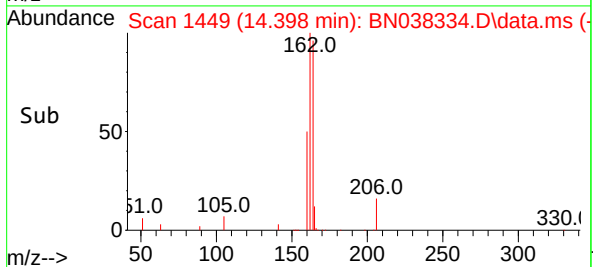
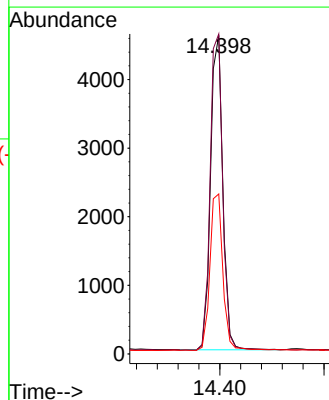
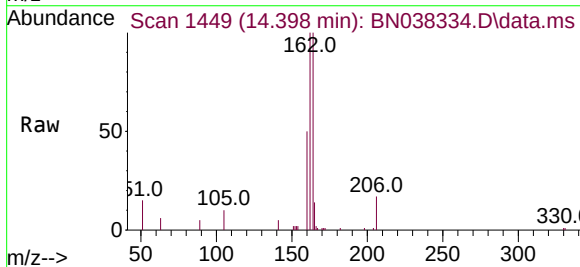
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

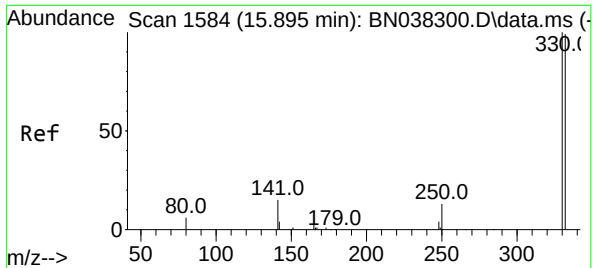
Tgt Ion:152 Resp: 5874
Ion Ratio Lower Upper
152 100
151 21.2 17.0 25.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Tgt Ion:164 Resp: 7503
Ion Ratio Lower Upper
164 100
162 100.5 86.2 129.4
160 50.2 44.6 67.0

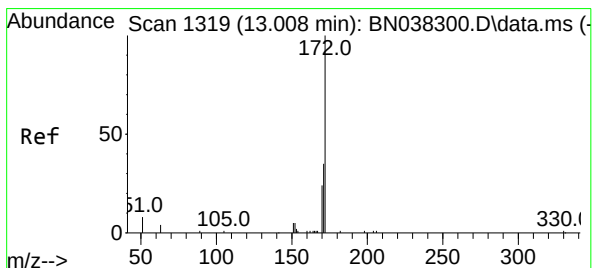
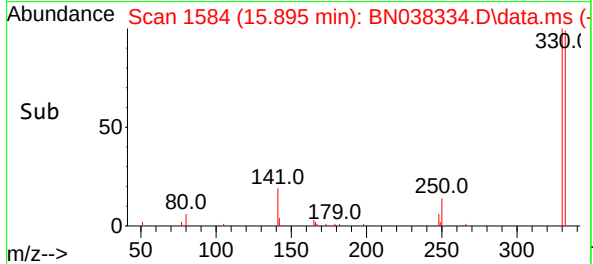
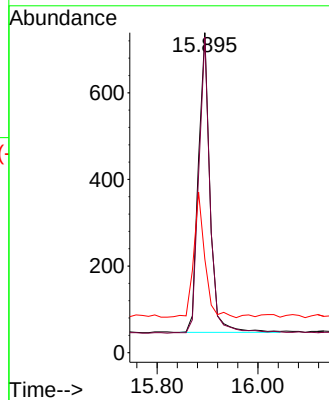
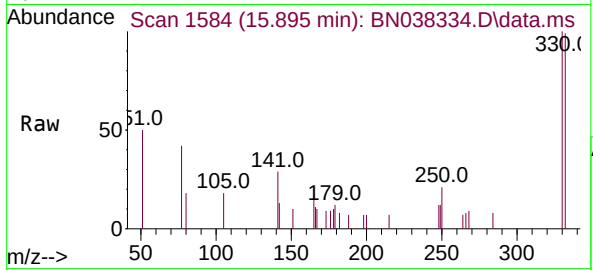




#14
2,4,6-Tribromophenol
Concen: 0.328 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

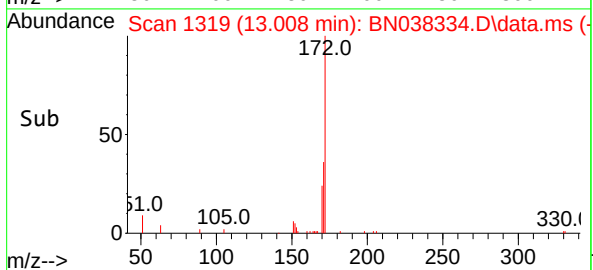
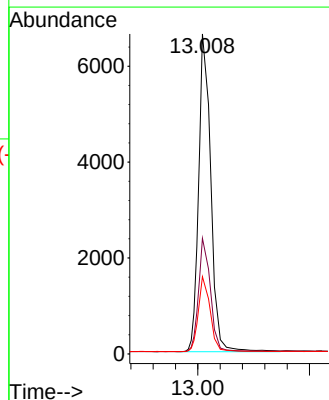
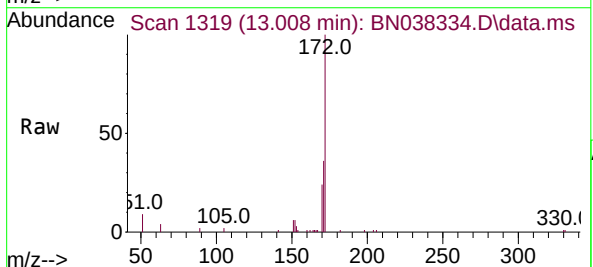
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

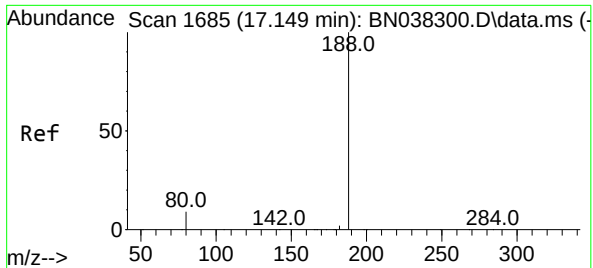
Tgt Ion	330	Resp	1093
Ion Ratio	Lower	Upper	
330	100		
332	97.4	75.8	113.6
141	40.7	31.8	47.8



#15
2-Fluorobiphenyl
Concen: 0.303 ng
RT: 13.008 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Tgt Ion	172	Resp	10958
Ion Ratio	Lower	Upper	
172	100		
171	36.1	28.6	42.8
170	24.1	19.3	28.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1685

Delta R.T. -0.000 min

Lab File: BN038334.D

Acq: 12 Dec 2025 02:25

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525

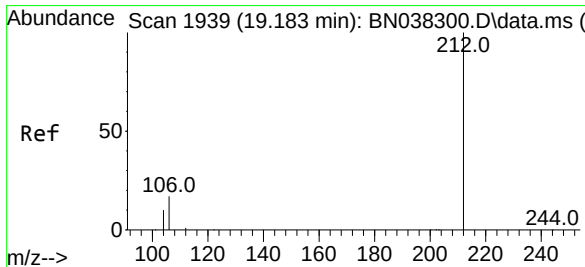
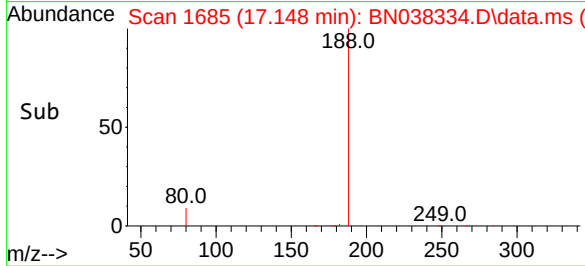
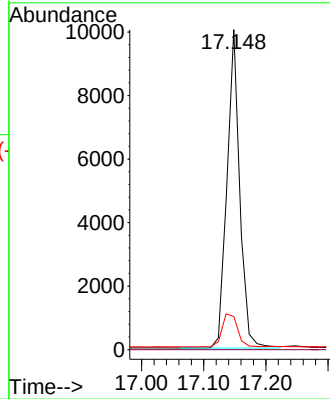
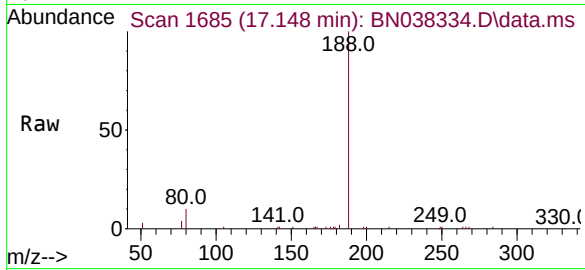
Tgt Ion:188 Resp: 14344

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.3 7.4 11.0



#27

Fluoranthene-d10

Concen: 0.364 ng

RT: 19.187 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN038334.D

Acq: 12 Dec 2025 02:25

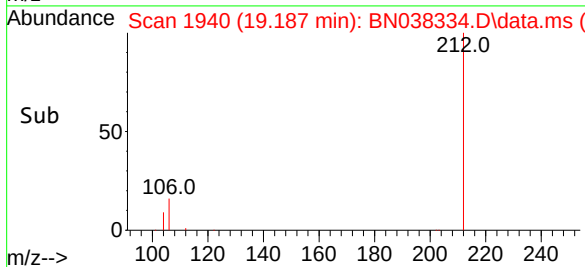
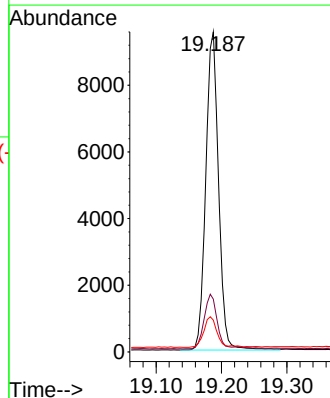
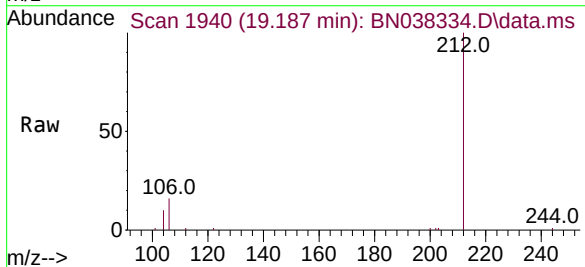
Tgt Ion:212 Resp: 12918

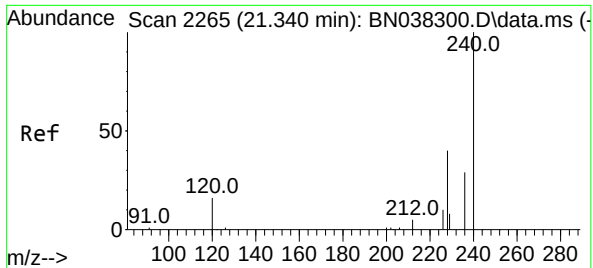
Ion Ratio Lower Upper

212 100

106 17.2 13.7 20.5

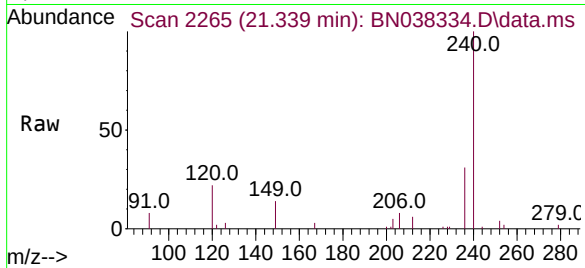
104 10.2 7.8 11.8



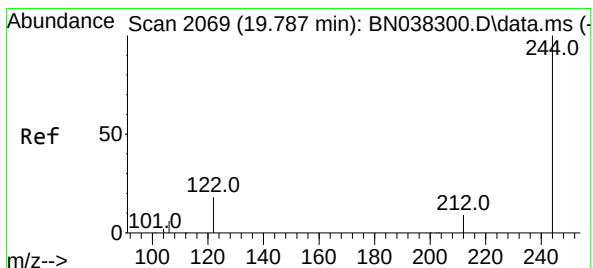
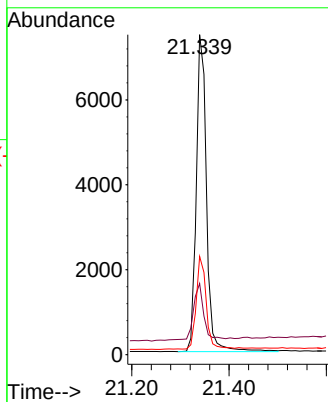
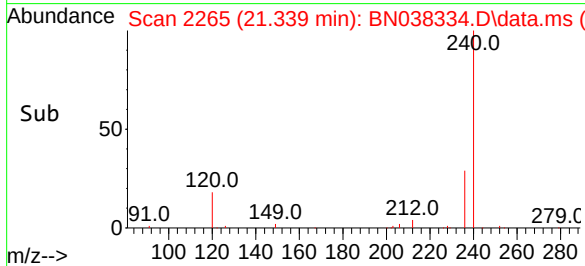


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.339 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

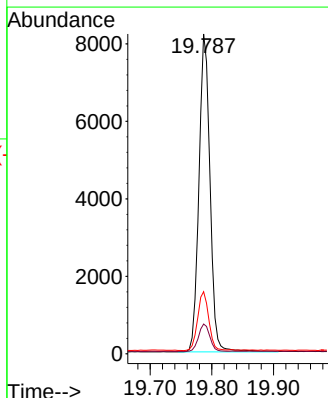
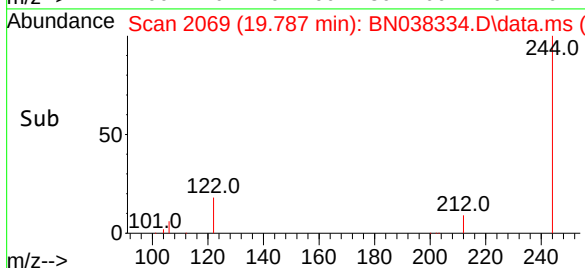
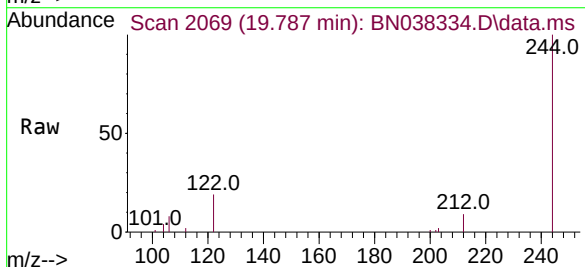


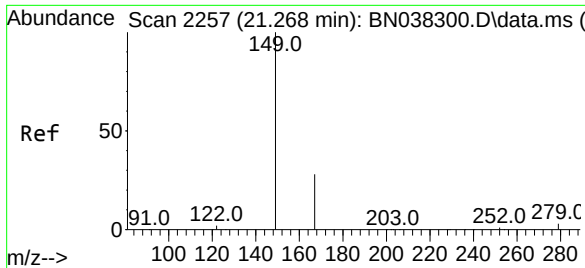
Tgt Ion	Ratio	Lower	Upper
240	100		
120	22.2	15.4	23.2
236	30.7	23.9	35.9



#31
Terphenyl-d14
Concen: 0.417 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.9	11.9
122	19.4	15.0	22.6

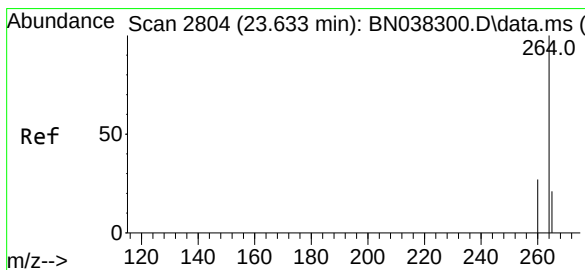
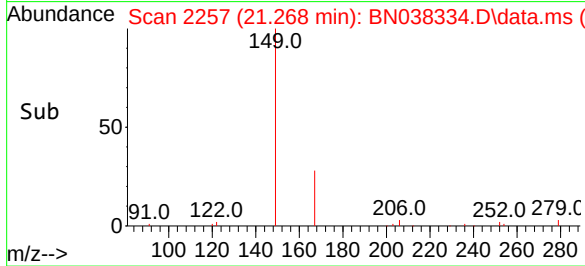
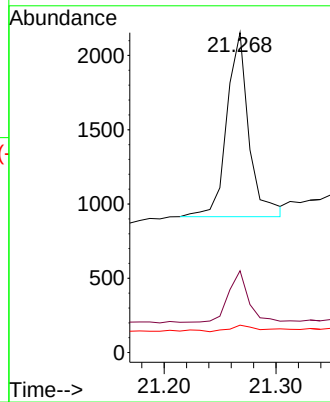
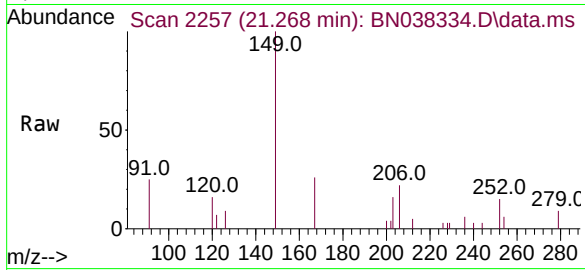




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.073 ng
RT: 21.268 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

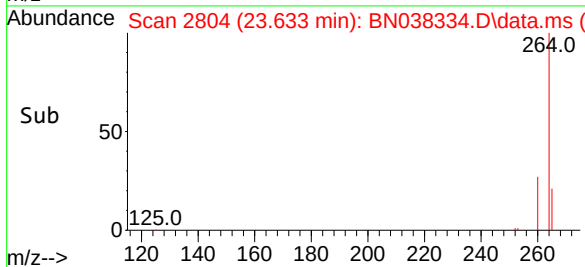
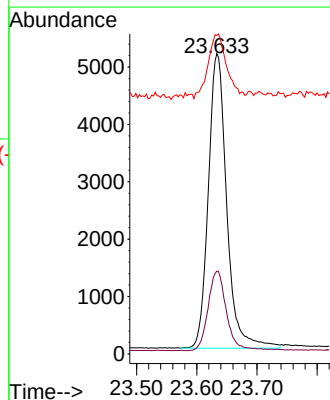
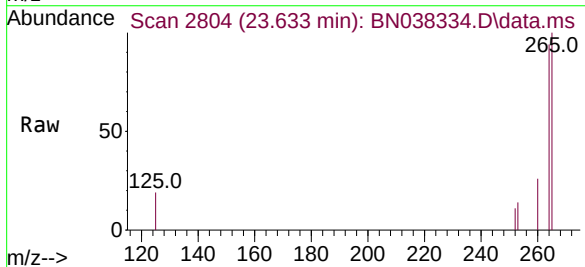
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

Tgt Ion:149 Resp: 1697
Ion Ratio Lower Upper
149 100
167 25.5 21.4 32.0
279 4.3 2.4 3.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.633 min Scan# 2804
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Tgt Ion:264 Resp: 10923
Ion Ratio Lower Upper
264 100
260 27.6 22.2 33.2
265 106.1 80.2 120.2





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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/05/25
Client Sample ID:	OWBR-05-135-120525DL	SDG No.:	Q3788
Lab Sample ID:	Q3788-01DL	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	870 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	33.7	D	10	0.76	2.30	ug/L	12/12/25 10:36	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.28			30 (47) - 150 (106)	70%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	90%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.32			30 (56) - 130 (116)	80%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.30			30 (50) - 130 (126)	75%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.41			30 (54) - 130 (175)	102%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5910							
1146-65-2	Naphthalene-d8	15800							
15067-26-2	Acenaphthene-d10	8480							
1517-22-2	Phenanthrene-d10	16300							
1719-03-5	Chrysene-d12	12700							
1520-96-3	Perylene-d12	12600							

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\BN121225\
 Data File : BN038345.D
 Acq On : 12 Dec 2025 10:36
 Operator : RC/JU
 Sample : Q3788-01DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OWBR-05-135-120525DL

Quant Time: Dec 12 10:59:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

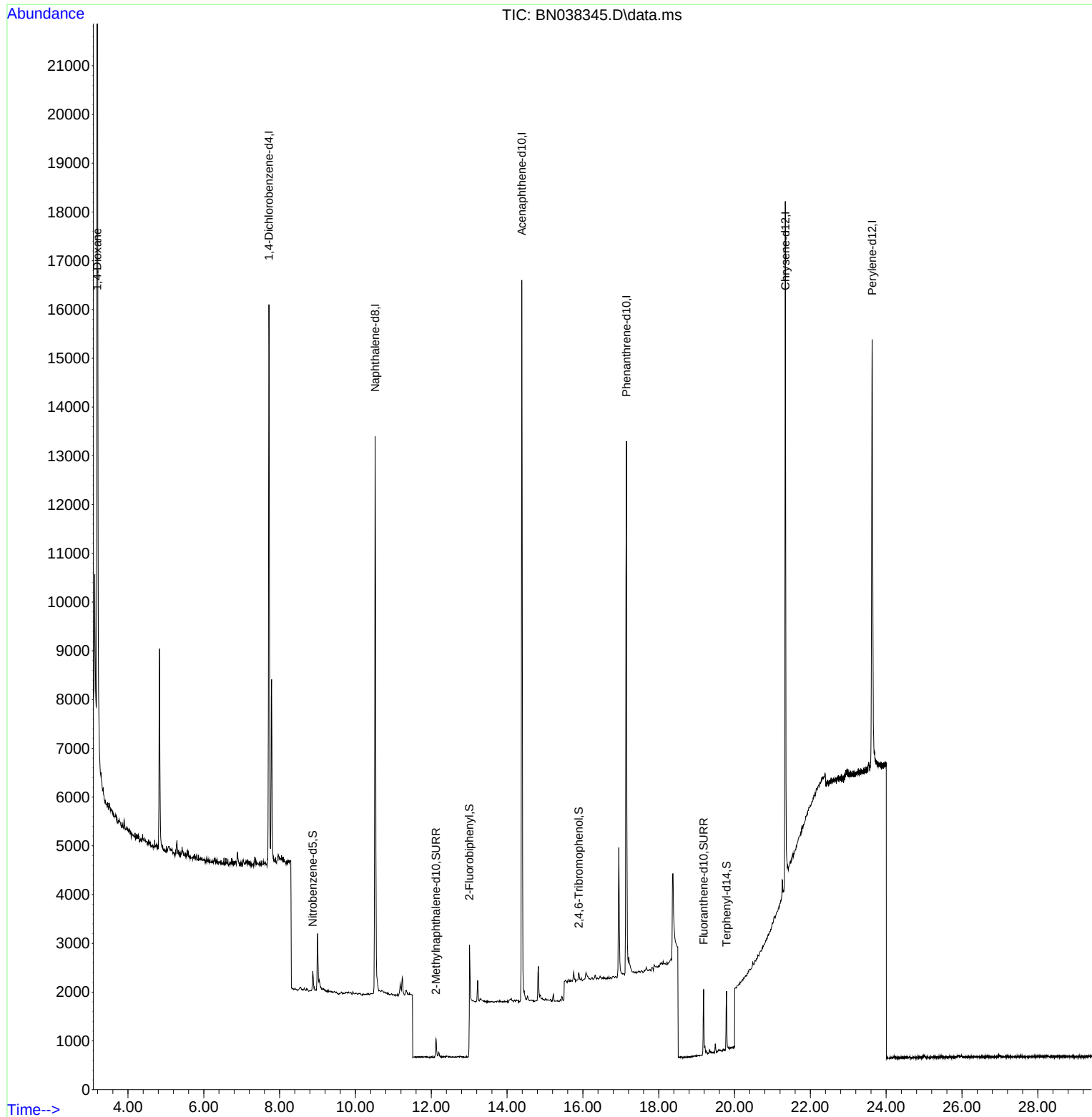
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5910	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	15826	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8475	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	16300	0.400	ng	0.00
29) Chrysene-d12	21.340	240	12712	0.400	ng	0.00
35) Perylene-d12	23.630	264	12609	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	250	0.017	ng	0.00
5) Phenol-d6	6.887	99	174	0.010	ng	0.00
8) Nitrobenzene-d5	8.875	82	426	0.032	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	631	0.028	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	114	0.030	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	1223	0.030	ng	0.00
27) Fluoranthene-d10	19.183	212	1457	0.036	ng	0.00
31) Terphenyl-d14	19.787	244	1163	0.041	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.189	88	19876	2.933	ng	Qvalue 98

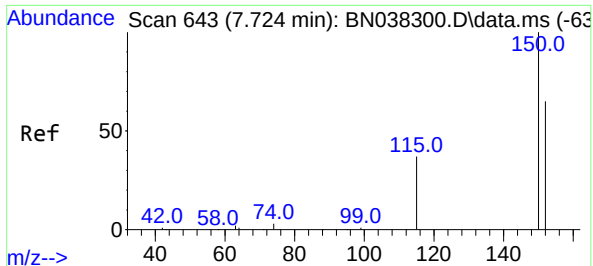
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038345.D
Acq On : 12 Dec 2025 10:36
Operator : RC/JU
Sample : Q3788-01DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525DL

Quant Time: Dec 12 10:59:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

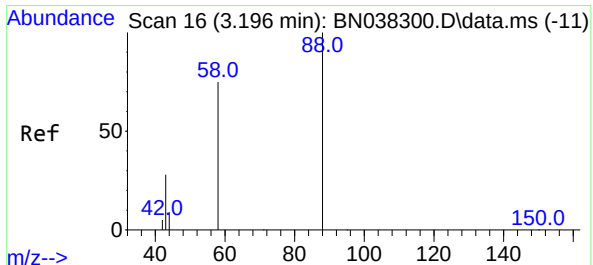
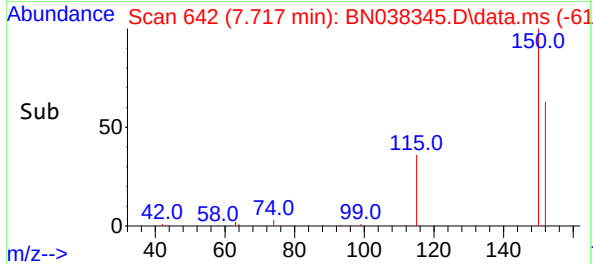
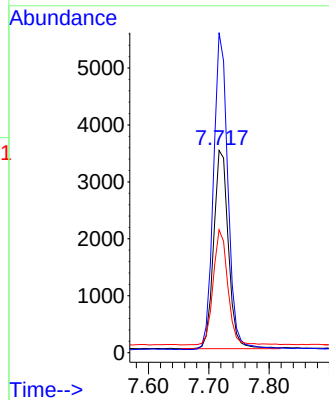
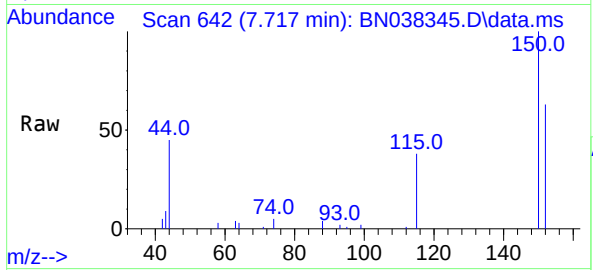




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

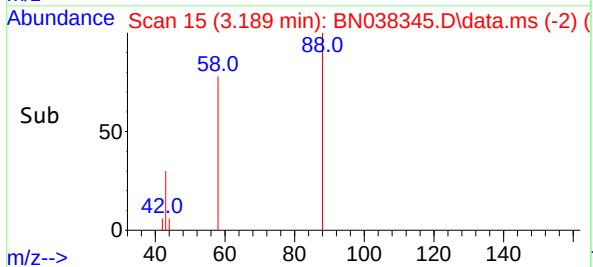
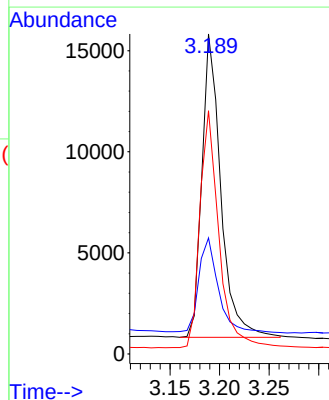
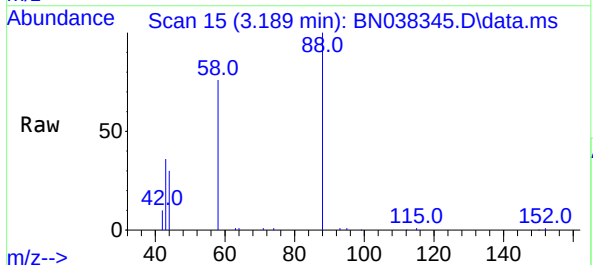
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525DL

Tgt Ion:152 Resp: 5910
Ion Ratio Lower Upper
152 100
150 158.2 122.4 183.6
115 60.7 47.3 70.9

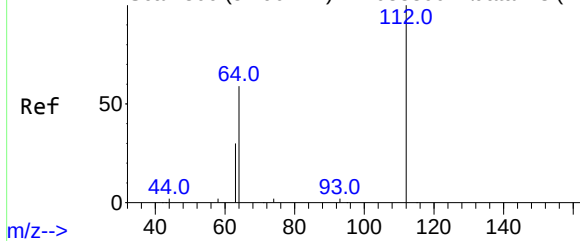


#2
1,4-Dioxane
Concen: 2.933 ng
RT: 3.189 min Scan# 15
Delta R.T. -0.007 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

Tgt Ion: 88 Resp: 19876
Ion Ratio Lower Upper
88 100
43 32.2 24.9 37.3
58 78.6 61.4 92.0



Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29



#4

2-Fluorophenol

Concen: 0.017 ng

RT: 5.290 min Scan# 306

Delta R.T. 0.000 min

Lab File: BN038345.D

Acq: 12 Dec 2025 10:36

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525DL

Tgt Ion:112 Resp: 250

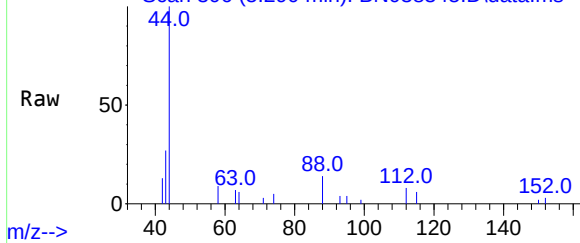
Ion Ratio Lower Upper

112 100

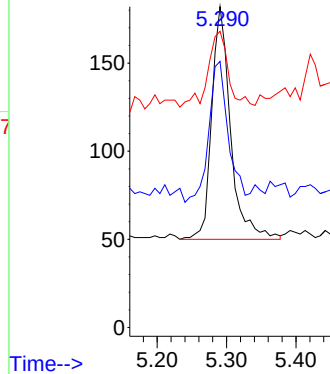
64 62.8 44.4 66.6

63 35.2 23.4 35.0#

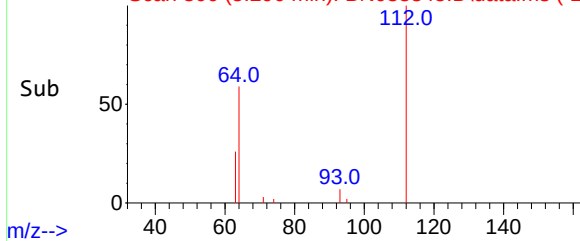
Abundance Scan 306 (5.290 min): BN038345.D\data.ms



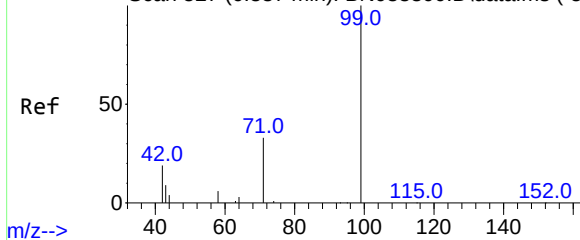
Abundance



Abundance Scan 306 (5.290 min): BN038345.D\data.ms (-27



Abundance Scan 527 (6.887 min): BN038300.D\data.ms (-52



#5

Phenol-d6

Concen: 0.010 ng

RT: 6.887 min Scan# 527

Delta R.T. 0.000 min

Lab File: BN038345.D

Acq: 12 Dec 2025 10:36

Tgt Ion: 99 Resp: 174

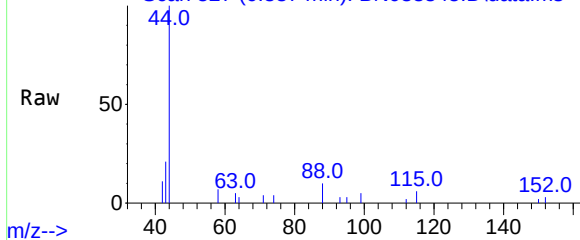
Ion Ratio Lower Upper

99 100

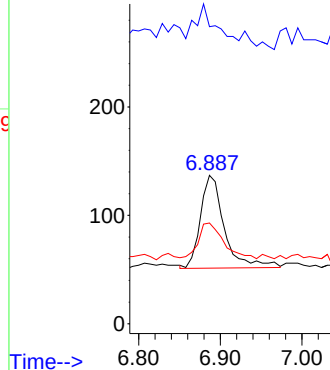
42 28.2 16.5 24.7#

71 40.2 24.9 37.3#

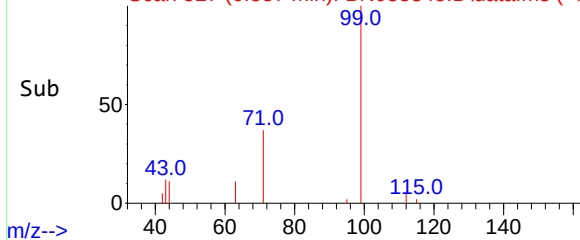
Abundance Scan 527 (6.887 min): BN038345.D\data.ms

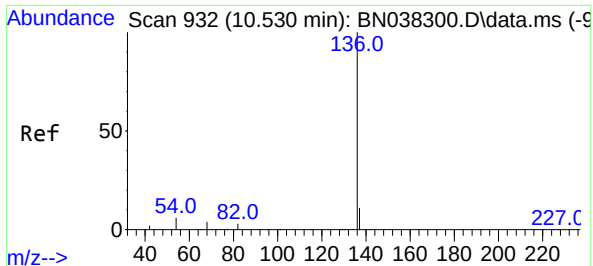


Abundance



Abundance Scan 527 (6.887 min): BN038345.D\data.ms (-49

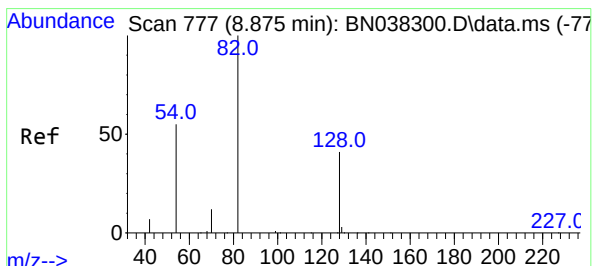
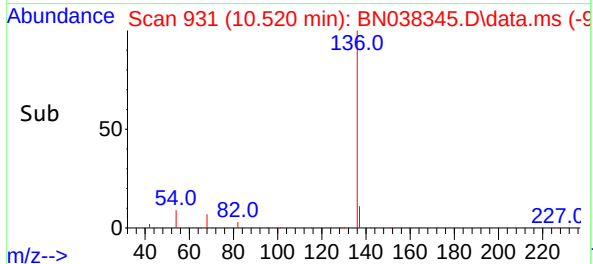
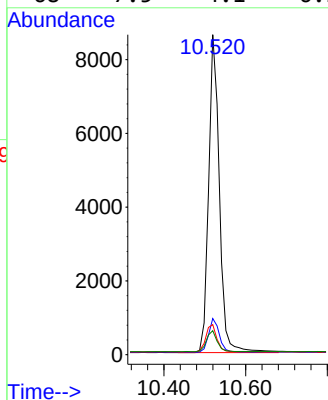
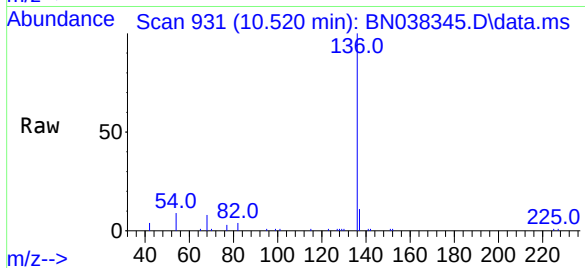




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 911
Delta R.T. -0.011 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

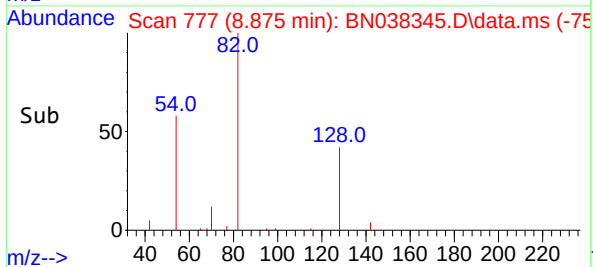
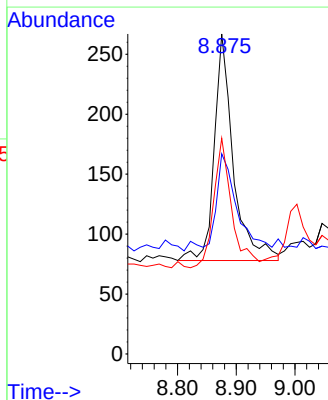
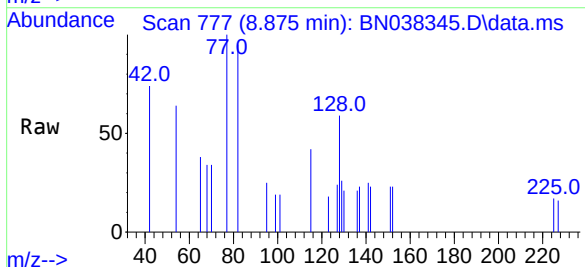
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525DL

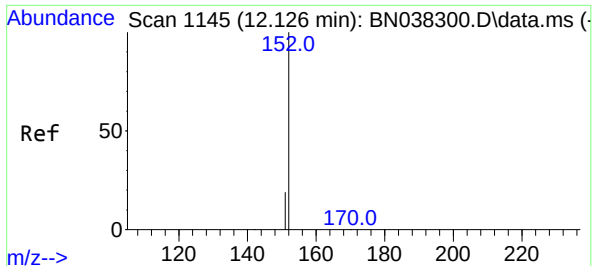
Tgt Ion:136 Resp: 15826
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 9.4 5.2 7.8#
68 7.5 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.032 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

Tgt Ion: 82 Resp: 426
Ion Ratio Lower Upper
82 100
128 62.5 34.0 51.0#
54 67.4 44.4 66.6#

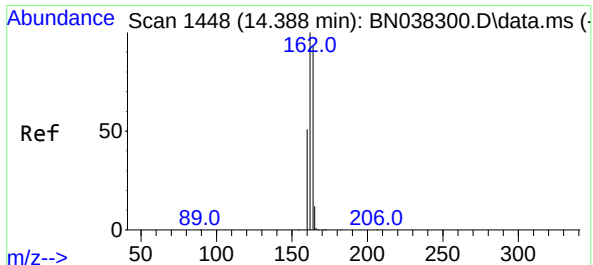
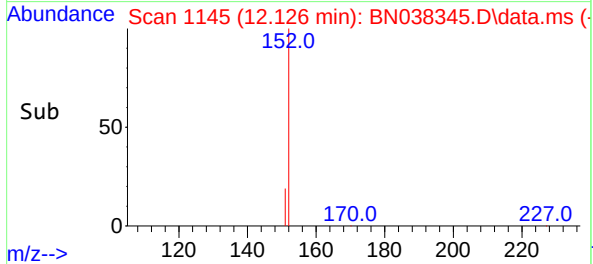
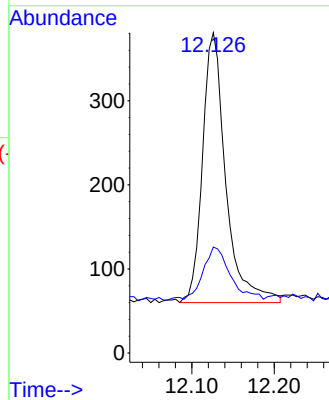
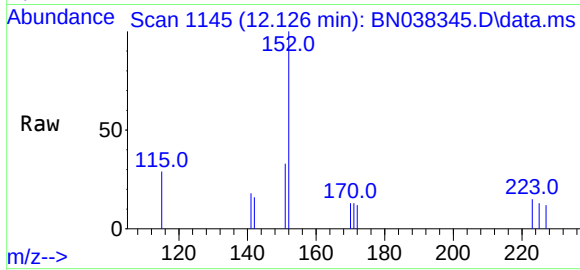




#11
2-Methylnaphthalene-d10
Concen: 0.028 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

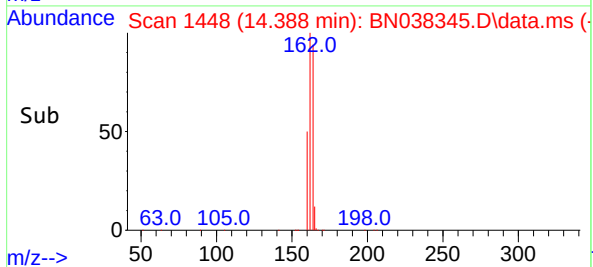
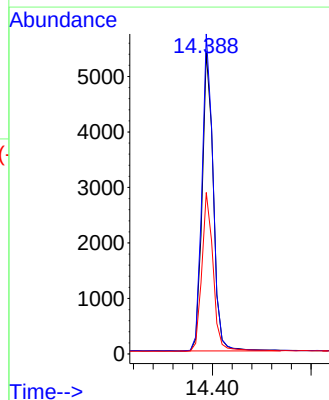
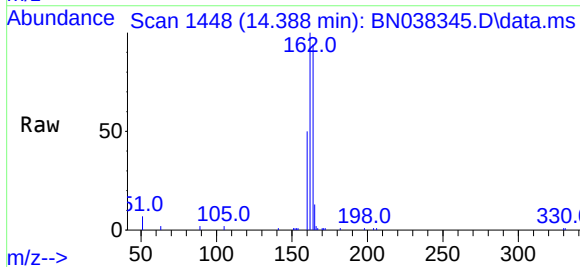
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525DL

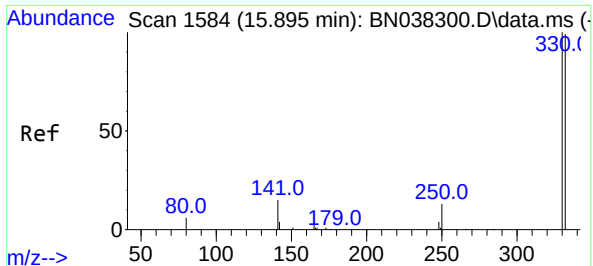
Tgt Ion:152 Resp: 631
Ion Ratio Lower Upper
152 100
151 23.1 17.0 25.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

Tgt Ion:164 Resp: 8475
Ion Ratio Lower Upper
164 100
162 106.1 86.2 129.4
160 53.6 44.6 67.0

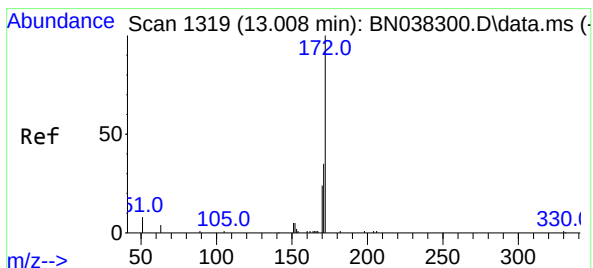
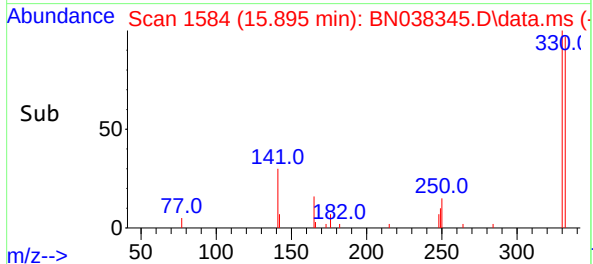
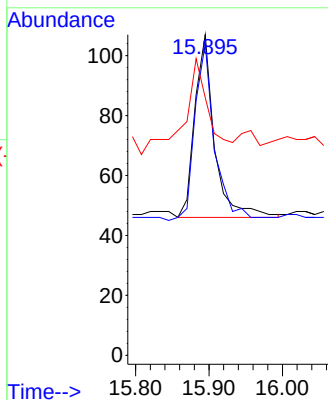
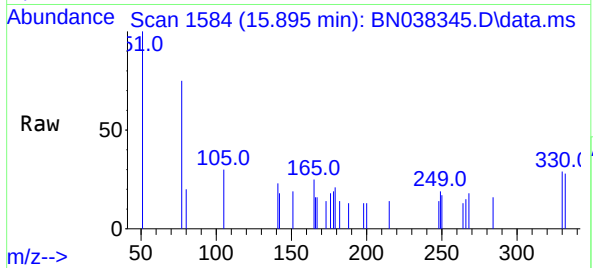




#14
2,4,6-Tribromophenol
Concen: 0.030 ng
RT: 15.895 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

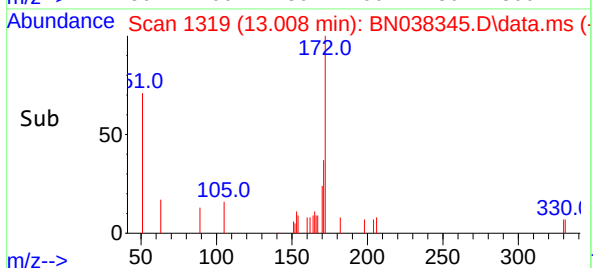
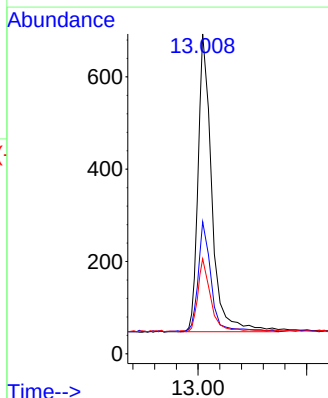
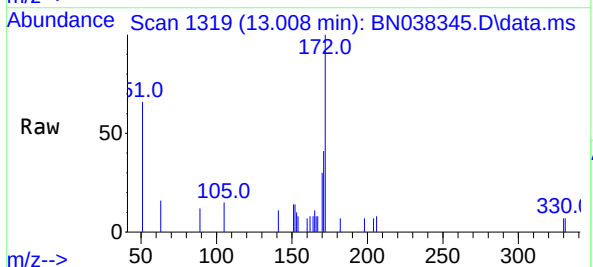
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525DL

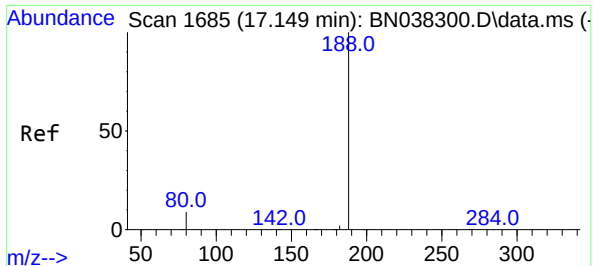
Tgt Ion:330 Resp: 114
Ion Ratio Lower Upper
330 100
332 96.5 75.8 113.6
141 65.8 31.8 47.8#



#15
2-Fluorobiphenyl
Concen: 0.030 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

Tgt Ion:172 Resp: 1223
Ion Ratio Lower Upper
172 100
171 41.3 28.6 42.8
170 29.7 19.3 28.9#

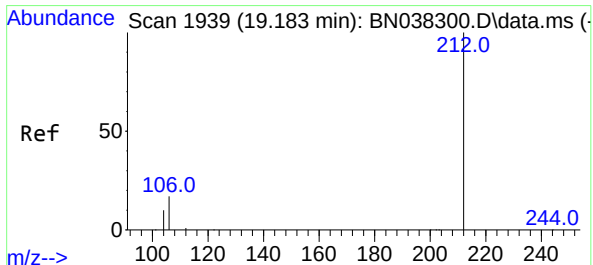
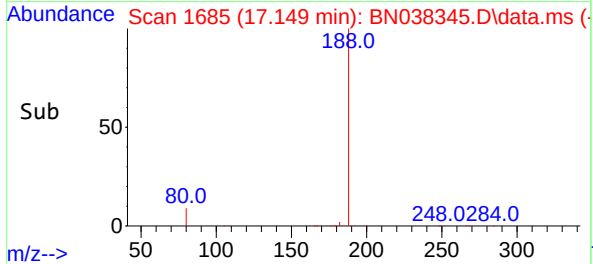
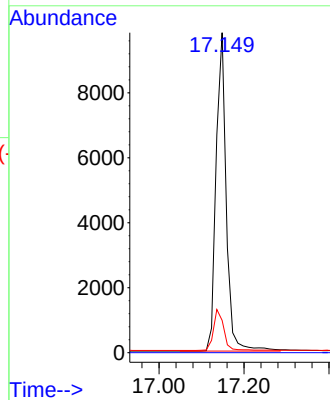
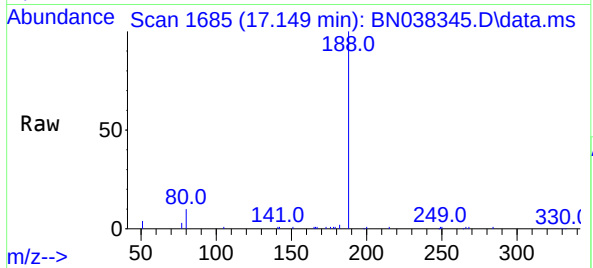




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

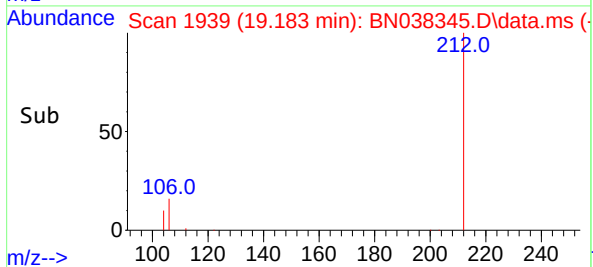
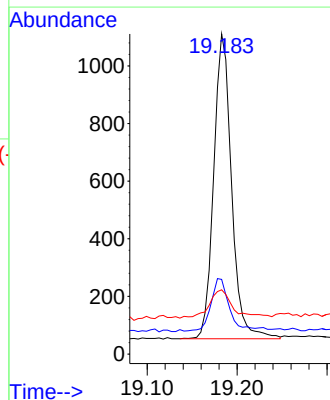
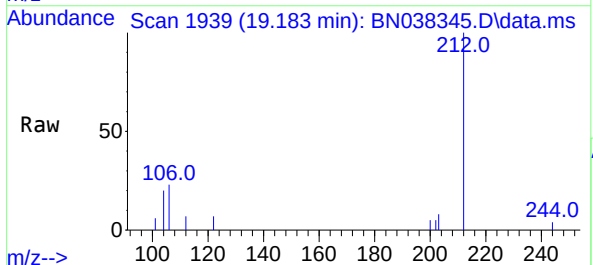
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525DL

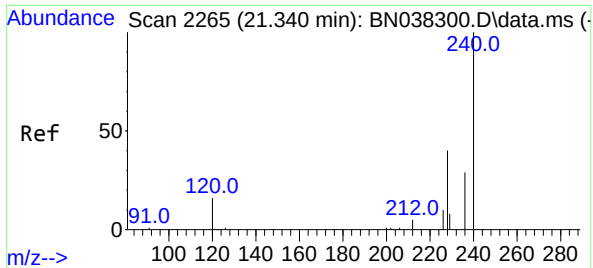
Tgt Ion:188 Resp: 16300
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.1 7.4 11.0



#27
Fluoranthene-d10
Concen: 0.036 ng
RT: 19.183 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

Tgt Ion:212 Resp: 1457
Ion Ratio Lower Upper
212 100
106 17.0 13.7 20.5
104 12.4 7.8 11.8#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038345.D

Acq: 12 Dec 2025 10:36

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525DL

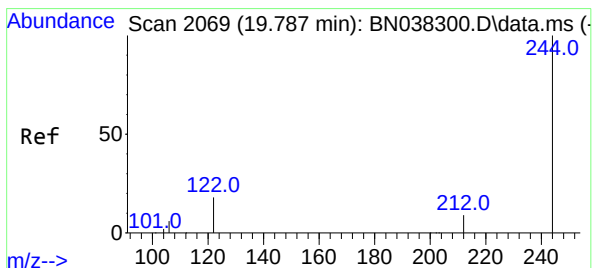
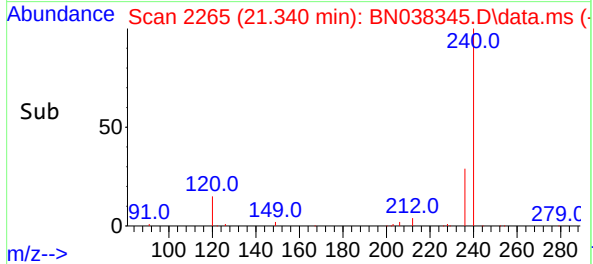
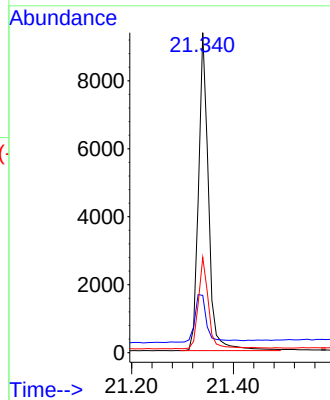
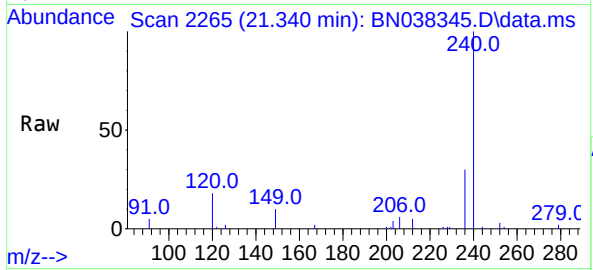
Tgt Ion:240 Resp: 12712

Ion Ratio Lower Upper

240 100

120 17.9 15.4 23.2

236 29.8 23.9 35.9



#31

Terphenyl-d14

Concen: 0.041 ng

RT: 19.787 min Scan# 2069

Delta R.T. -0.005 min

Lab File: BN038345.D

Acq: 12 Dec 2025 10:36

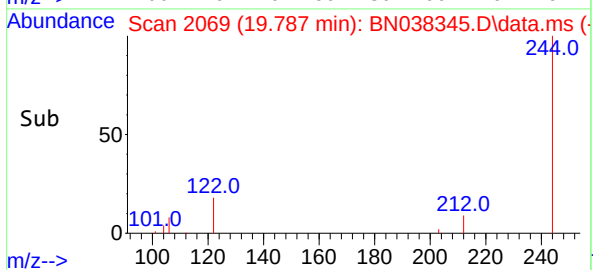
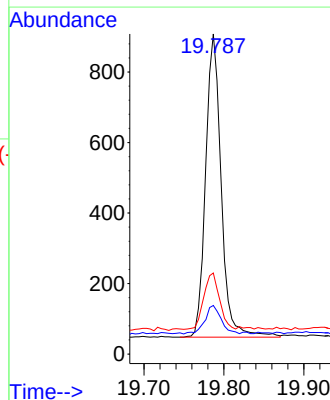
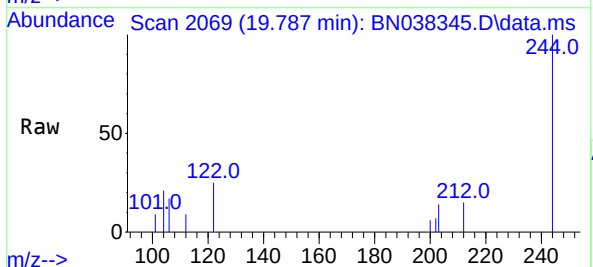
Tgt Ion:244 Resp: 1163

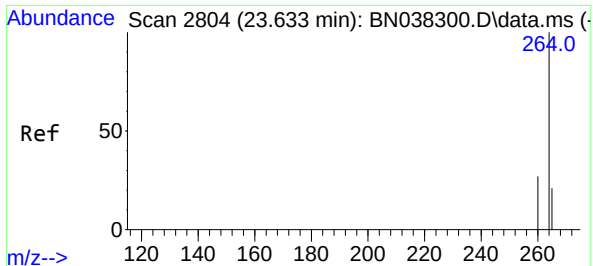
Ion Ratio Lower Upper

244 100

212 15.2 7.9 11.9#

122 25.3 15.0 22.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.630 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038345.D

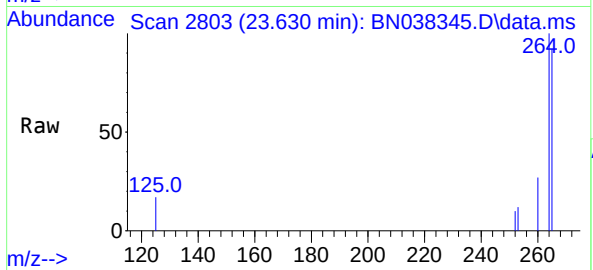
Acq: 12 Dec 2025 10:36

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525DL



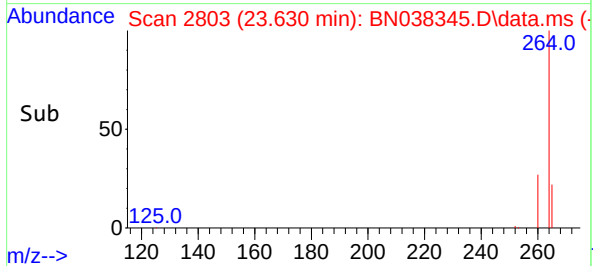
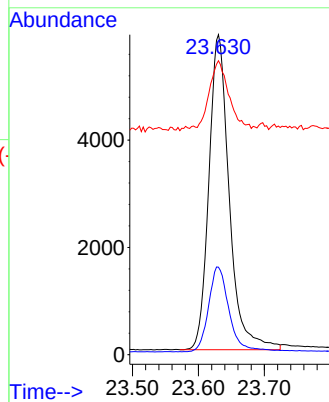
Tgt Ion:264 Resp: 12609

Ion	Ratio	Lower	Upper

264	100		

260	27.4	22.2	33.2

265	91.8	80.2	120.2





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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/05/25
Client Sample ID:	OW-01B-66.5-120525	SDG No.:	Q3788
Lab Sample ID:	Q3788-07	Matrix:	Water
Analytical Method:	SW8270ESIM	Level:	LOW
Sample Wt/Vol:	920 mL	Final Vol:	1000 uL
Prep Method :	3510C	Prep Date:	12/08/25
		Test:	SVOC-SIMGroup1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.080	J	1	0.070	0.22	ug/L	12/11/25 19:40	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.27			30 (47) - 150 (106)	67%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.38			30 (54) - 150 (157)	95%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.33			30 (56) - 130 (116)	83%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.27			30 (50) - 130 (126)	68%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.40			30 (54) - 130 (175)	100%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5780							
1146-65-2	Naphthalene-d8	16000							
15067-26-2	Acenaphthene-d10	8660							
1517-22-2	Phenanthrene-d10	16800							
1719-03-5	Chrysene-d12	13700							
1520-96-3	Perylene-d12	13600							

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\BN121125\
 Data File : BN038325.D
 Acq On : 11 Dec 2025 19:40
 Operator : RC/JU
 Sample : Q3788-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OW-01B-66.5-120525

Quant Time: Dec 12 00:10:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

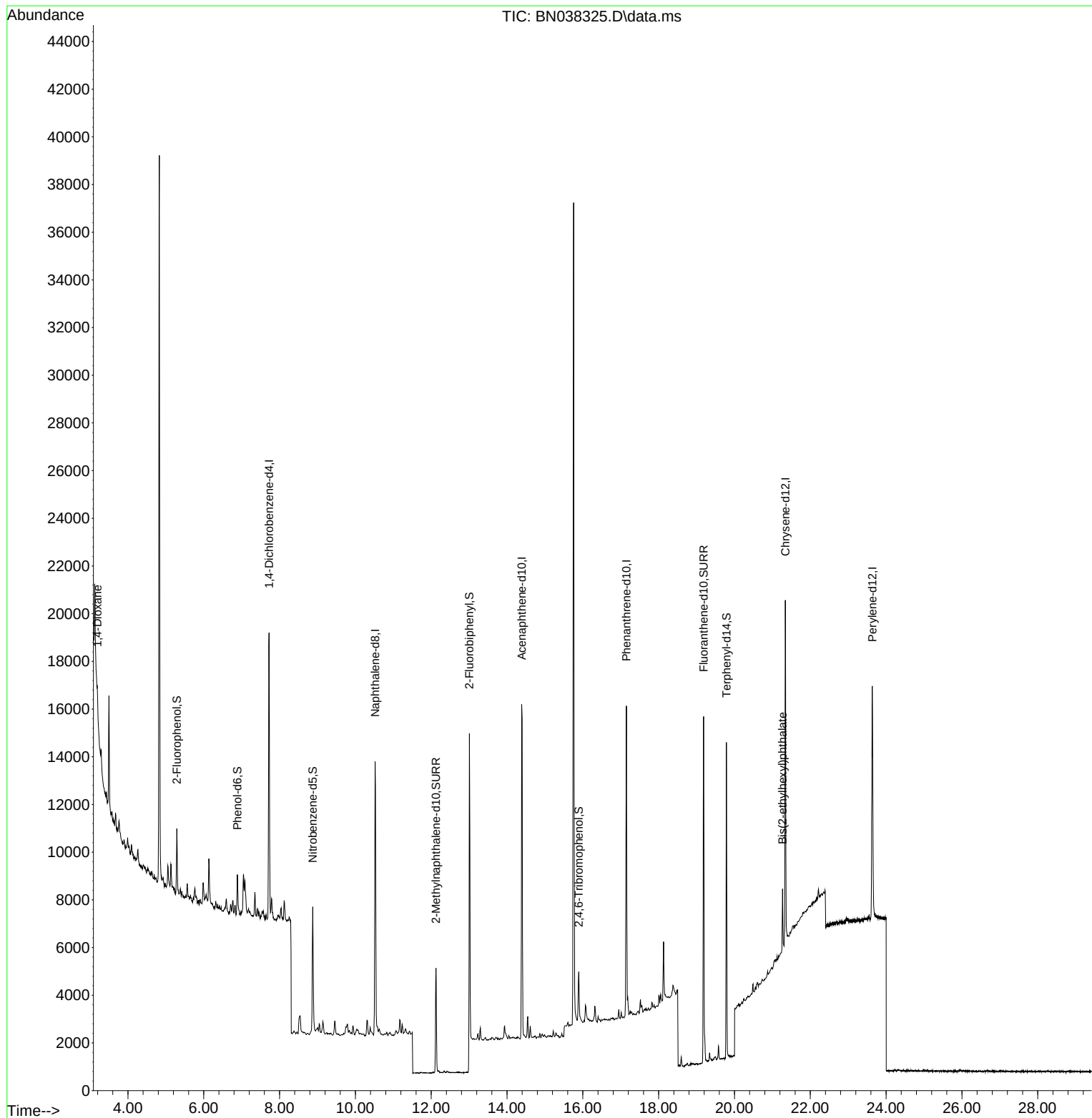
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5784	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	15998	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8662	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	16764	0.400	ng	0.00
29) Chrysene-d12	21.340	240	13742	0.400	ng	# 0.00
35) Perylene-d12	23.636	264	13571	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	2104	0.146	ng	0.00
5) Phenol-d6	6.887	99	1545	0.090	ng	0.00
8) Nitrobenzene-d5	8.875	82	4453	0.330	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	6020	0.267	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1270	0.330	ng	0.00
15) 2-Fluorobiphenyl	13.009	172	11355	0.272	ng	0.00
27) Fluoranthene-d10	19.188	212	15855	0.382	ng	0.00
31) Terphenyl-d14	19.787	244	12212	0.398	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	506	0.076	ng	# 63
34) Bis(2-ethylhexyl)phtha...	21.268	149	2401	0.082	ng	# 98

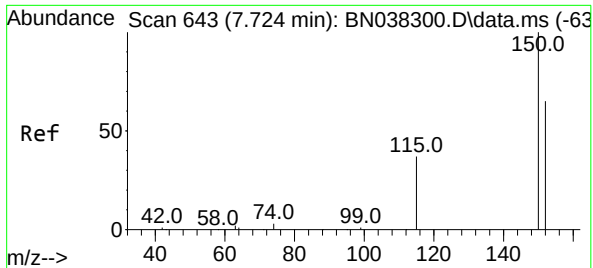
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038325.D
Acq On : 11 Dec 2025 19:40
Operator : RC/JU
Sample : Q3788-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

Quant Time: Dec 12 00:10:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

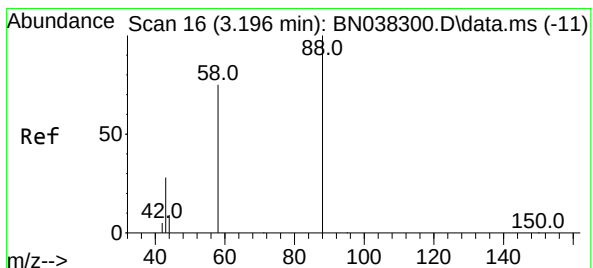
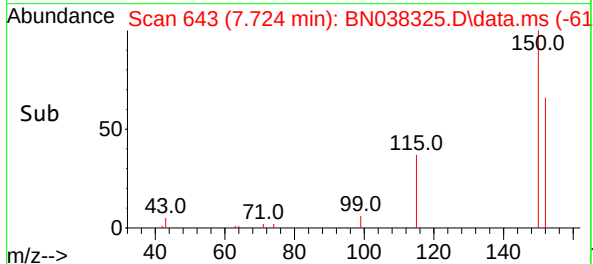
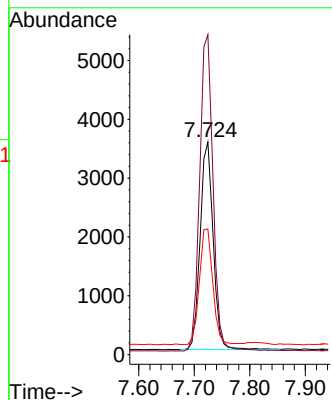
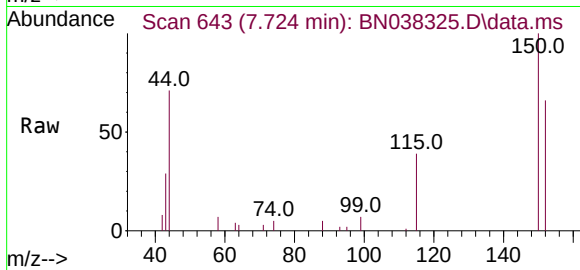




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

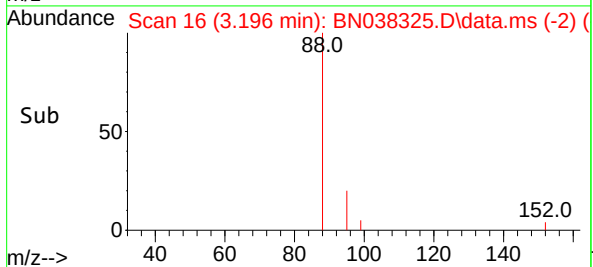
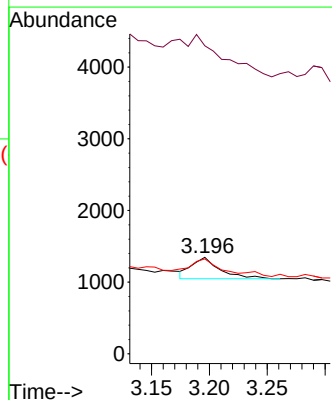
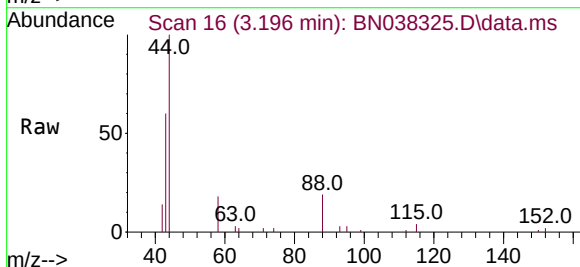
Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

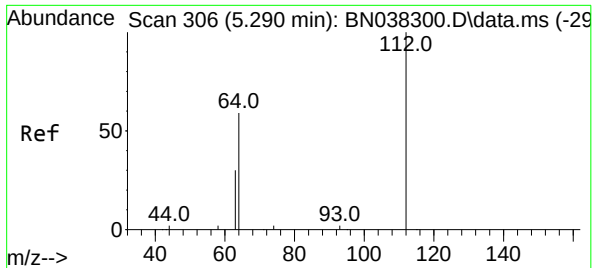
Tgt Ion:152 Resp: 5784
Ion Ratio Lower Upper
152 100
150 150.5 122.4 183.6
115 59.1 47.3 70.9



#2
1,4-Dioxane
Concen: 0.076 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

Tgt Ion: 88 Resp: 506
Ion Ratio Lower Upper
88 100
43 0.0 24.9 37.3#
58 101.8 61.4 92.0#

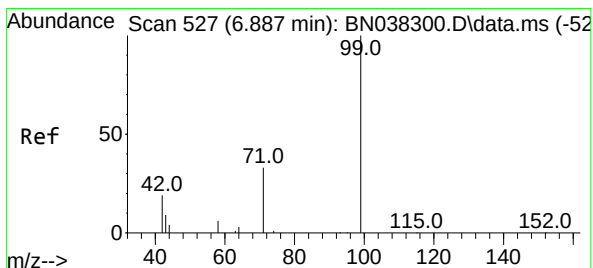
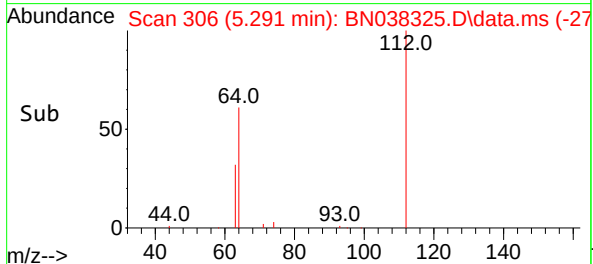
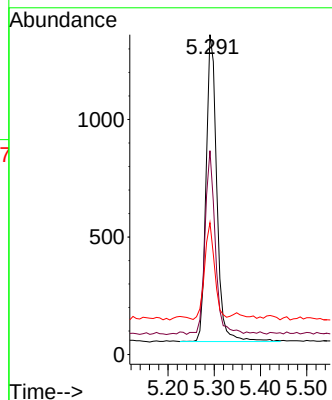
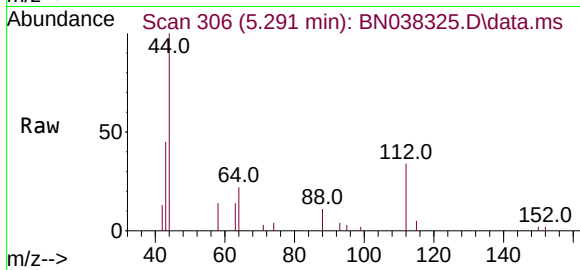




#4
2-Fluorophenol
Concen: 0.146 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

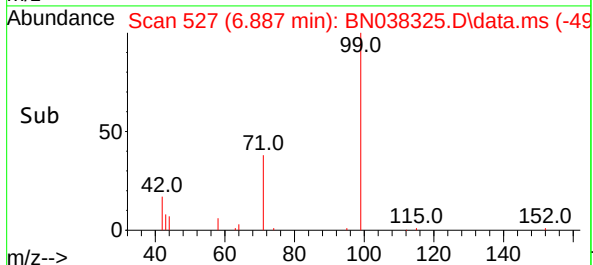
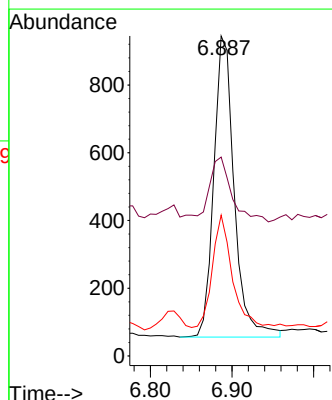
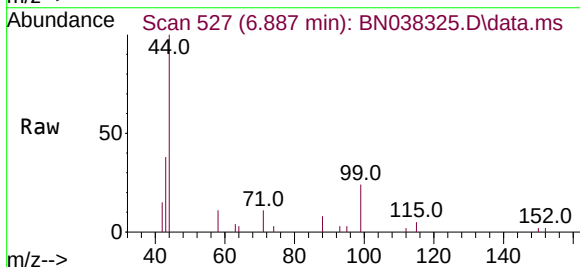
Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

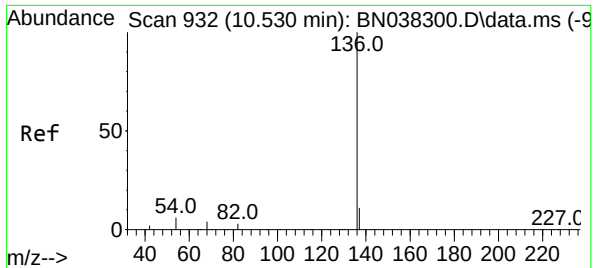
Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	44.4	66.6
63	29.7	23.4	35.0



#5
Phenol-d6
Concen: 0.090 ng
RT: 6.887 min Scan# 527
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

Tgt Ion	Ratio	Lower	Upper
99	100		
42	23.2	16.5	24.7
71	36.6	24.9	37.3

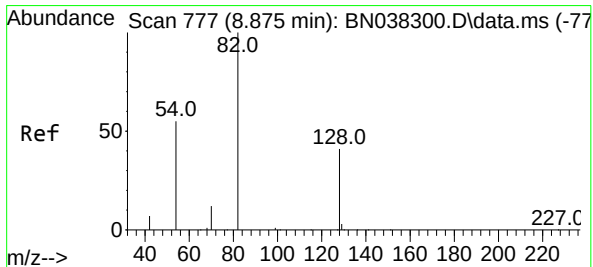
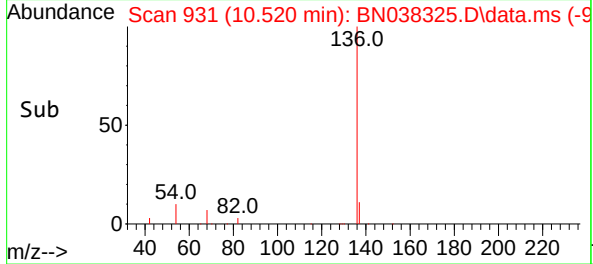
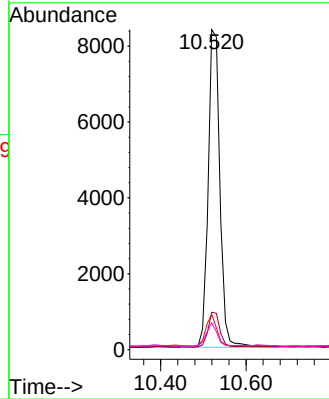
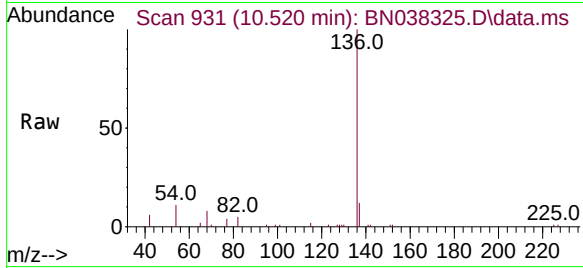




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

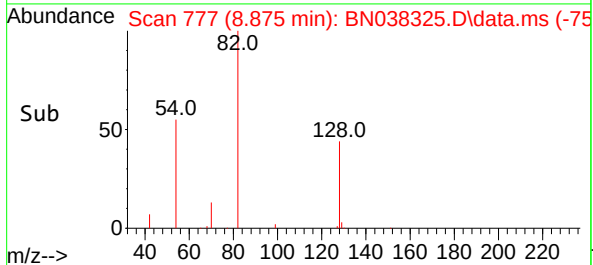
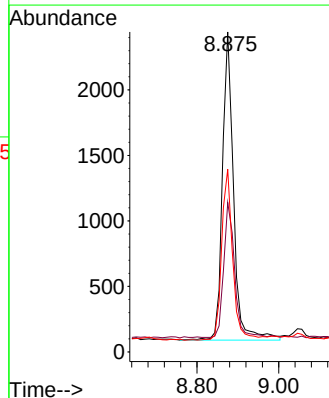
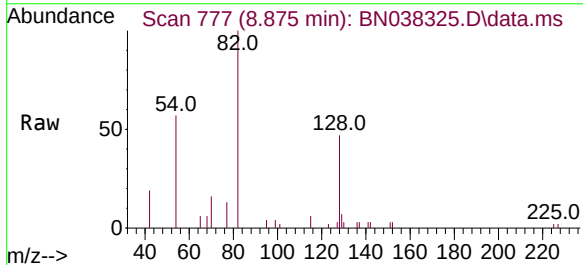
Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

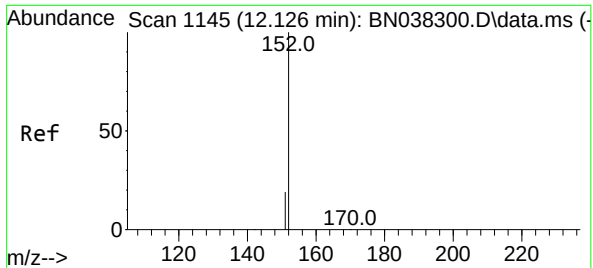
Tgt Ion:	136	Resp:	15998
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	11.0	5.2	7.8#
68	8.4	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.330 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

Tgt Ion:	82	Resp:	4453
Ion	Ratio	Lower	Upper
82	100		
128	46.7	34.0	51.0
54	57.1	44.4	66.6

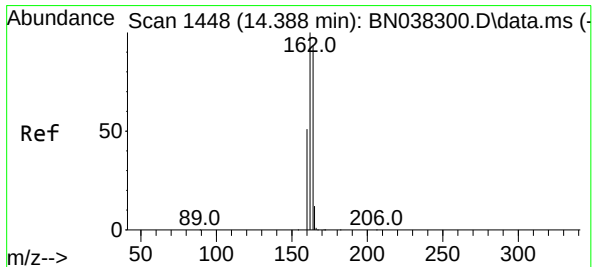
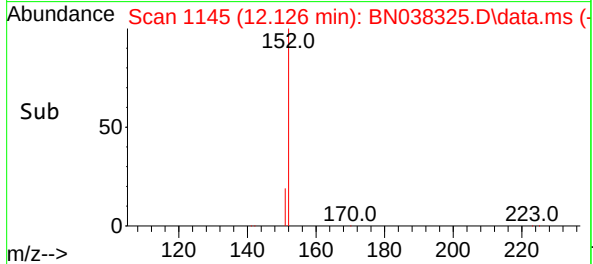
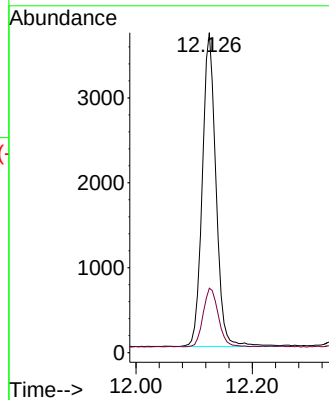
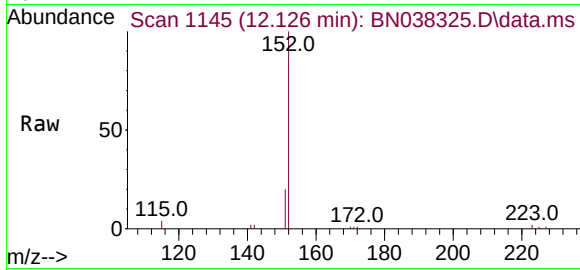




#11
2-Methylnaphthalene-d10
Concen: 0.267 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

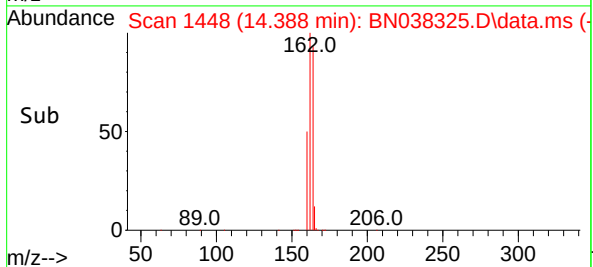
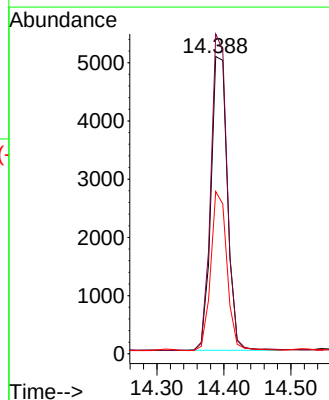
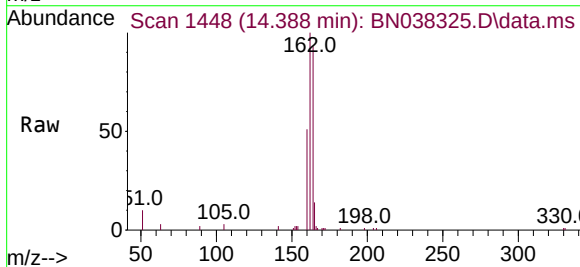
Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

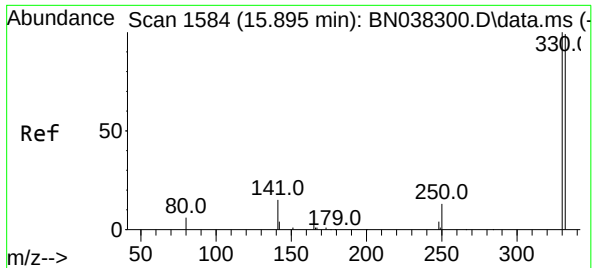
Tgt Ion:152 Resp: 6020
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

Tgt Ion:164 Resp: 8662
Ion Ratio Lower Upper
164 100
162 107.6 86.2 129.4
160 54.6 44.6 67.0

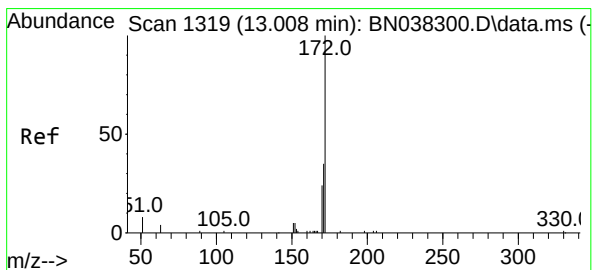
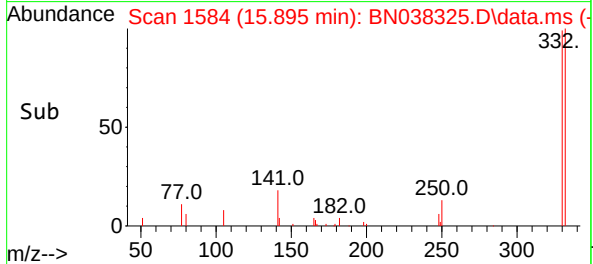
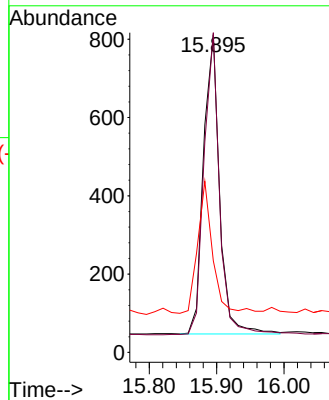
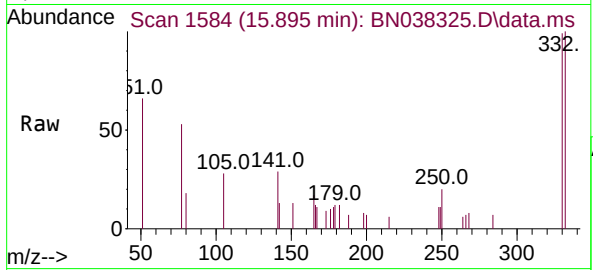




#14
2,4,6-Tribromophenol
Concen: 0.330 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

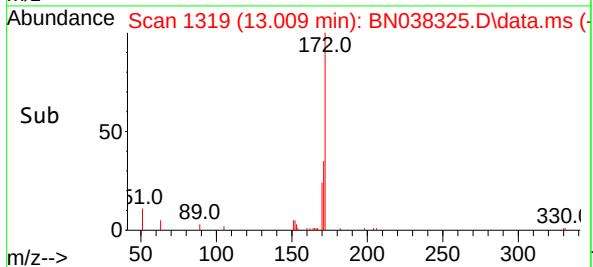
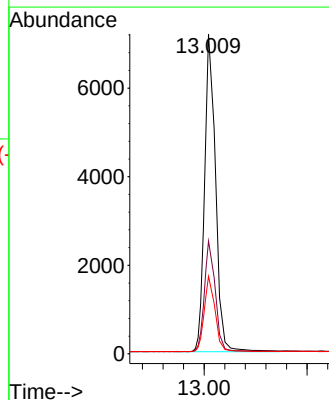
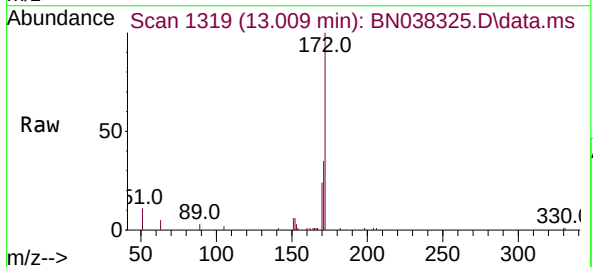
Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

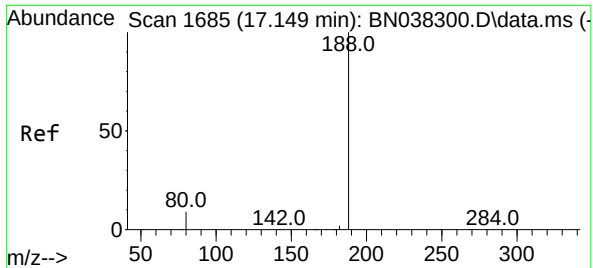
Tgt Ion	330	Resp	1270
Ion Ratio	100		
Lower	75.8		
Upper	113.6		
332	97.6		
141	41.1		
	31.8		
	47.8		



#15
2-Fluorobiphenyl
Concen: 0.272 ng
RT: 13.009 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

Tgt Ion	172	Resp	11355
Ion Ratio	100		
Lower	28.6		
Upper	42.8		
171	35.3		
170	24.2		
	19.3		
	28.9		





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1685

Delta R.T. 0.000 min

Lab File: BN038325.D

Acq: 11 Dec 2025 19:40

Instrument :

BNA_N

ClientSampleId :

OW-01B-66.5-120525

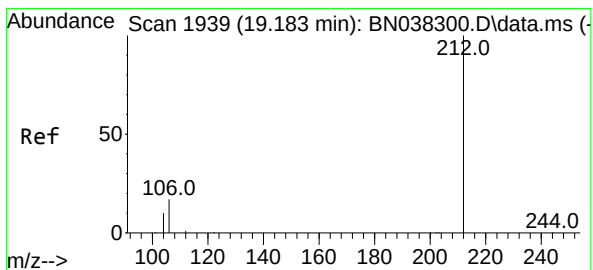
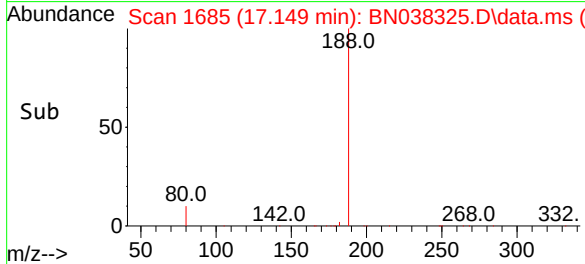
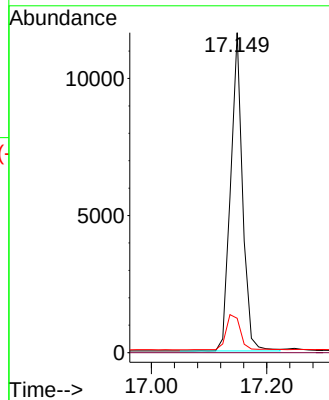
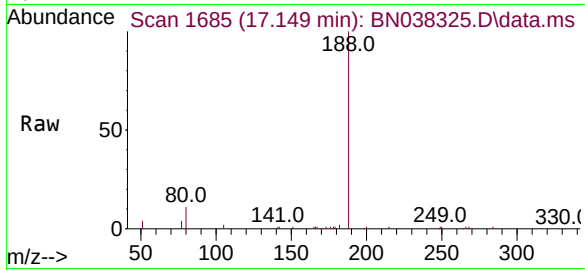
Tgt Ion:188 Resp: 16764

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.7 7.4 11.0



#27

Fluoranthene-d10

Concen: 0.382 ng

RT: 19.188 min Scan# 1940

Delta R.T. 0.000 min

Lab File: BN038325.D

Acq: 11 Dec 2025 19:40

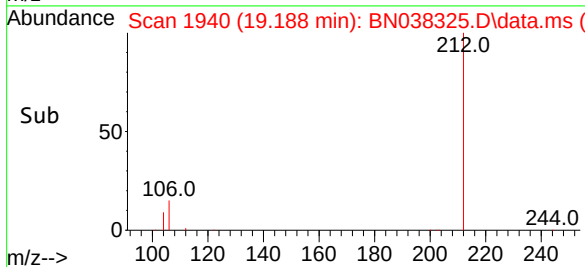
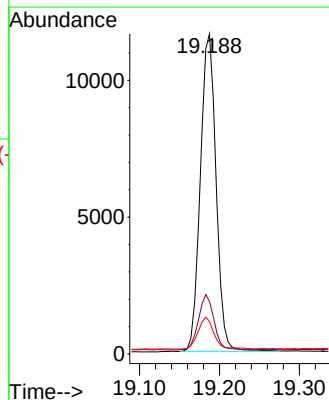
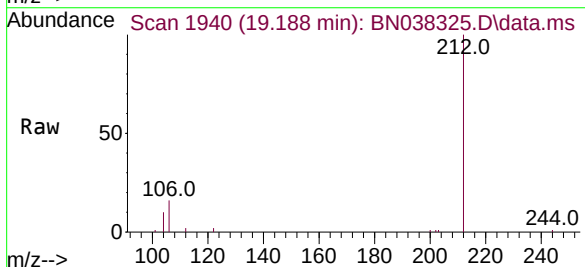
Tgt Ion:212 Resp: 15855

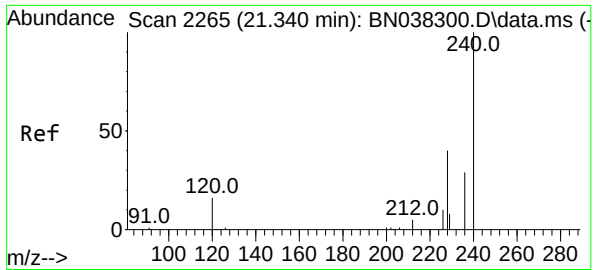
Ion Ratio Lower Upper

212 100

106 17.2 13.7 20.5

104 9.9 7.8 11.8

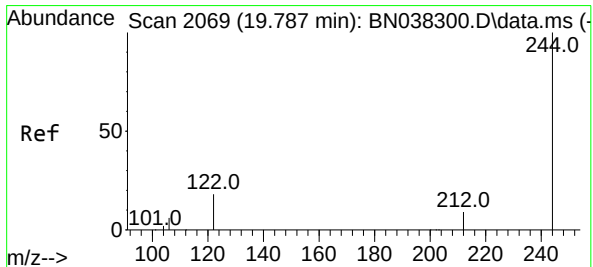
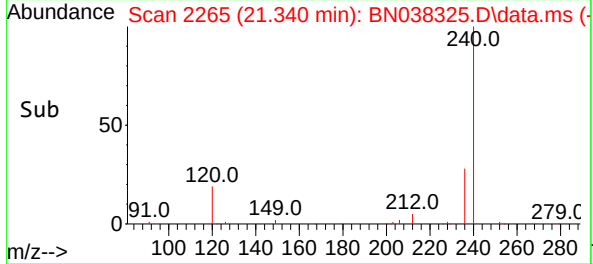
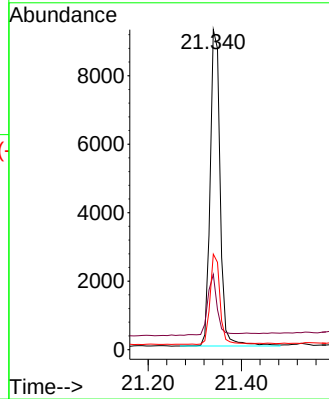
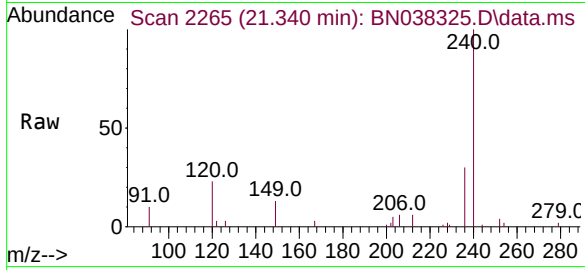




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

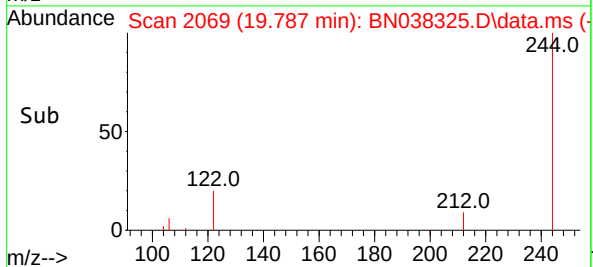
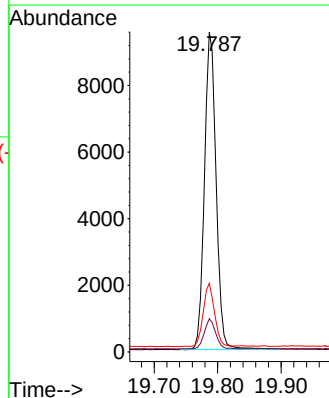
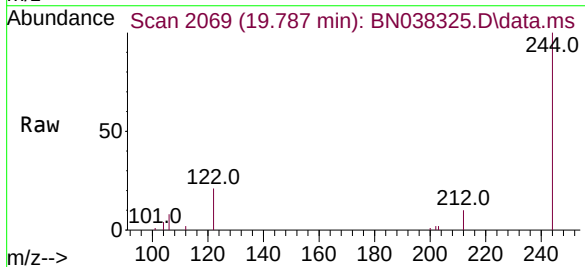
Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

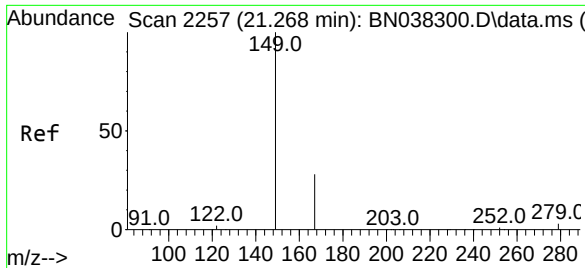
Tgt Ion	Ratio	Lower	Upper
240	100		
120	23.5	15.4	23.2#
236	29.8	23.9	35.9



#31
Terphenyl-d14
Concen: 0.398 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.4	7.9	11.9
122	21.4	15.0	22.6

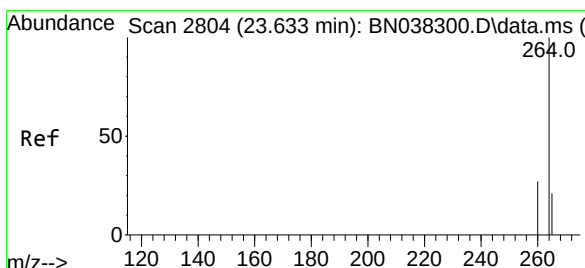
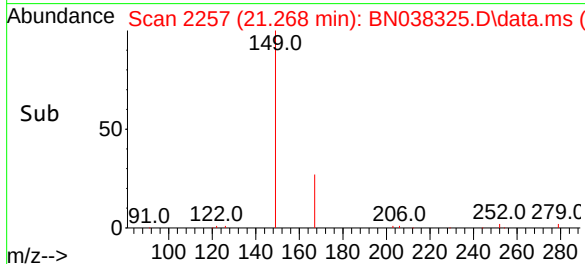
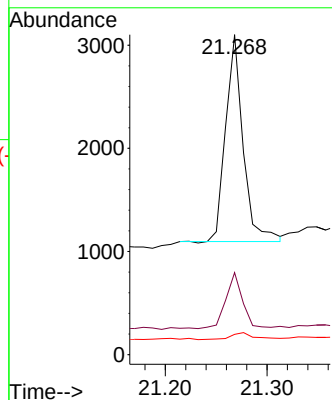
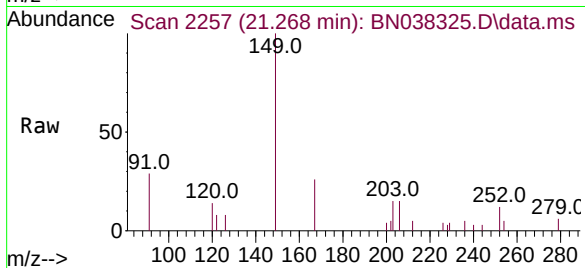




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.082 ng
RT: 21.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

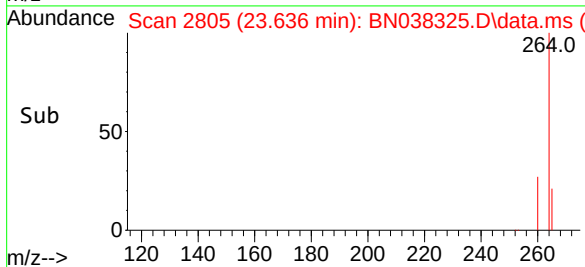
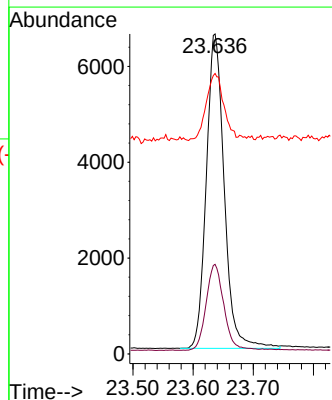
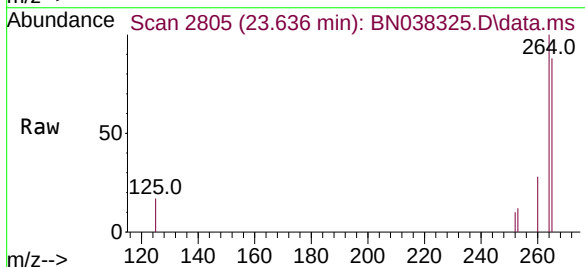
Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

Tgt Ion:149 Resp: 2401
Ion Ratio Lower Upper
149 100
167 26.1 21.4 32.0
279 4.7 2.4 3.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.636 min Scan# 2805
Delta R.T. 0.003 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

Tgt Ion:264 Resp: 13571
Ion Ratio Lower Upper
264 100
260 28.0 22.2 33.2
265 87.6 80.2 120.2





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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/05/25
Client Sample ID:	BR-05-465-120525	SDG No.:	Q3788
Lab Sample ID:	Q3788-09	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 mL	Test:	SVOC-SIMGroup1
Prep Method :	3510C		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.36		1	0.070	0.20	ug/L	12/12/25 06:02	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.27			30 (47) - 150 (106)	68%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	89%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.27			30 (56) - 130 (116)	67%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.31			30 (50) - 130 (126)	76%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.39			30 (54) - 130 (175)	97%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5730							
1146-65-2	Naphthalene-d8	15600							
15067-26-2	Acenaphthene-d10	7930							
1517-22-2	Phenanthrene-d10	14300							
1719-03-5	Chrysene-d12	11300							
1520-96-3	Perylene-d12	11200							

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\BN121125\
 Data File : BN038340.D
 Acq On : 12 Dec 2025 06:02
 Operator : RC/JU
 Sample : Q3788-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TA-BR-05-465-120525

Quant Time: Dec 12 07:09:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

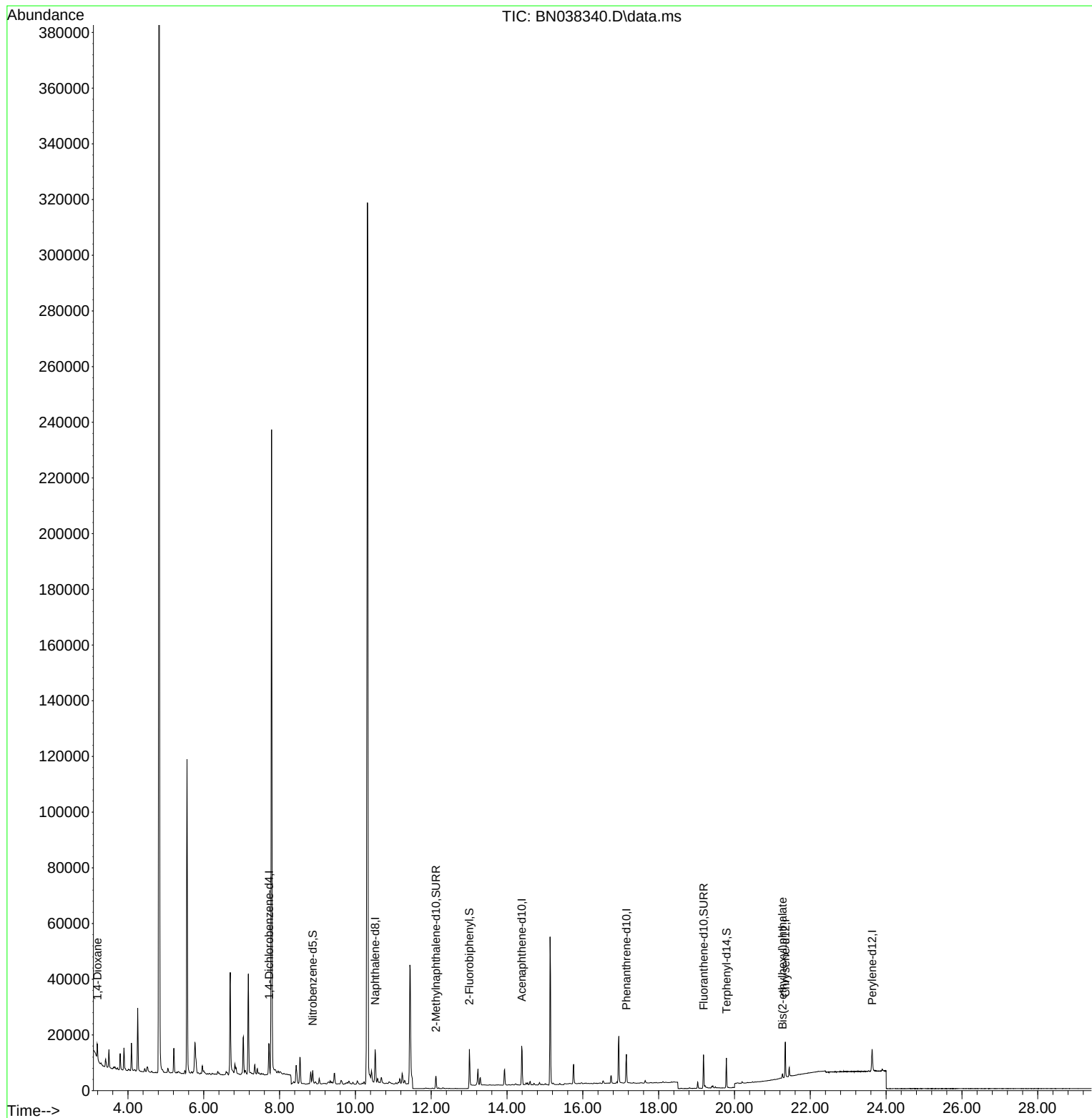
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5725	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	15596	0.400	ng	#-0.01
13) Acenaphthene-d10	14.387	164	7934	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	14347	0.400	ng	0.00
29) Chrysene-d12	21.339	240	11335	0.400	ng	0.00
35) Perylene-d12	23.630	264	11188	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.269	112	16	0.001	ng	-0.02
5) Phenol-d6	6.894	99	37	0.002	ng	0.00
8) Nitrobenzene-d5	8.875	82	3498	0.266	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	6033	0.274	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	8	0.002	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	11656	0.305	ng	0.00
27) Fluoranthene-d10	19.183	212	12667	0.357	ng	0.00
31) Terphenyl-d14	19.787	244	9824	0.388	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	2326	0.354	ng	# 39
34) Bis(2-ethylhexyl)phtha...	21.268	149	1365	0.057	ng	# 95

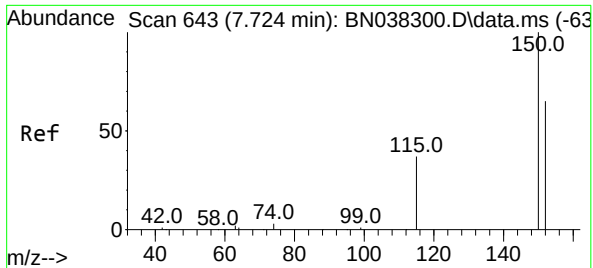
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038340.D
Acq On : 12 Dec 2025 06:02
Operator : RC/JU
Sample : Q3788-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

Quant Time: Dec 12 07:09:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

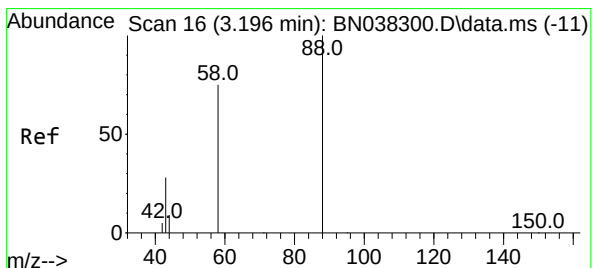
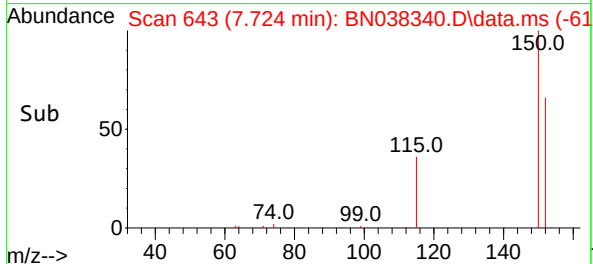
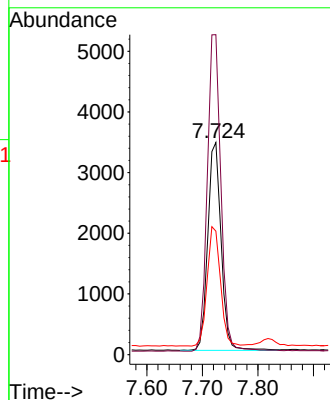
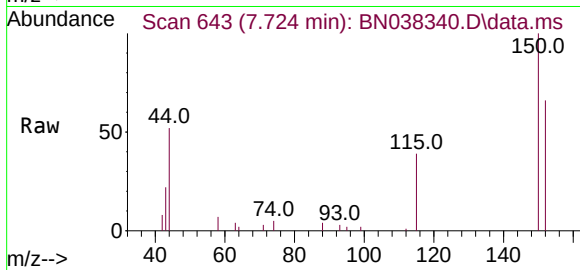




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

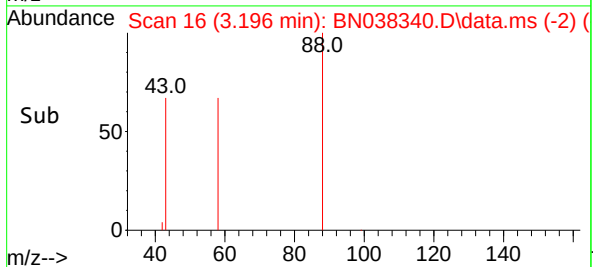
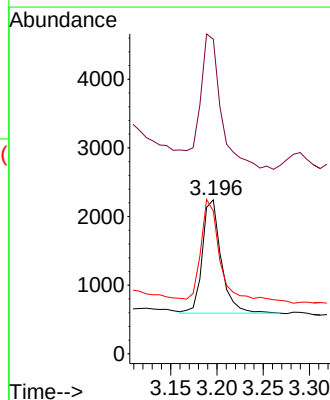
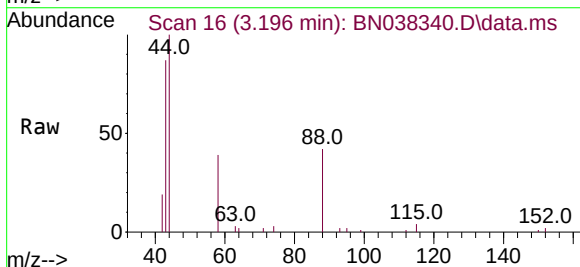
Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

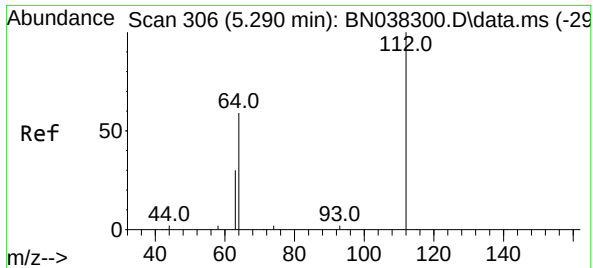
Tgt Ion:152 Resp: 5725
Ion Ratio Lower Upper
152 100
150 150.8 122.4 183.6
115 58.2 47.3 70.9



#2
1,4-Dioxane
Concen: 0.354 ng
RT: 3.196 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion: 88 Resp: 2326
Ion Ratio Lower Upper
88 100
43 132.2 24.9 37.3#
58 86.8 61.4 92.0

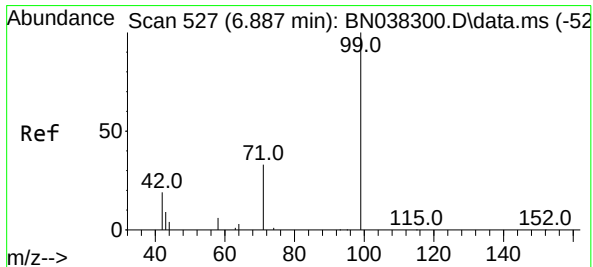
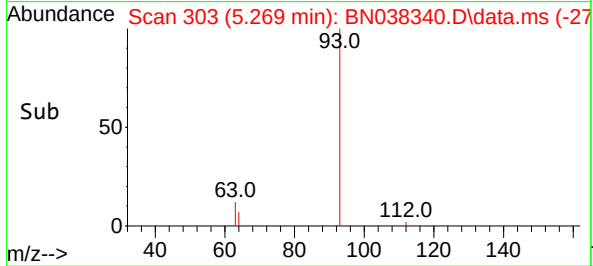
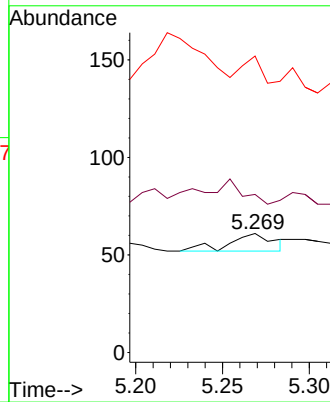
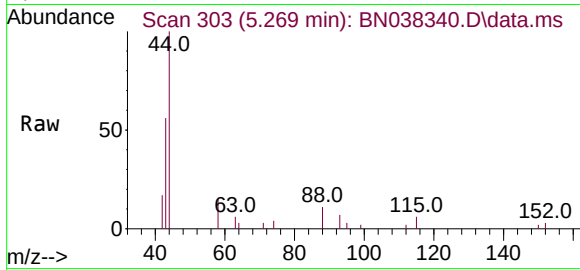




#4
2-Fluorophenol
Concen: 0.001 ng
RT: 5.269 min Scan# 306
Delta R.T. -0.022 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

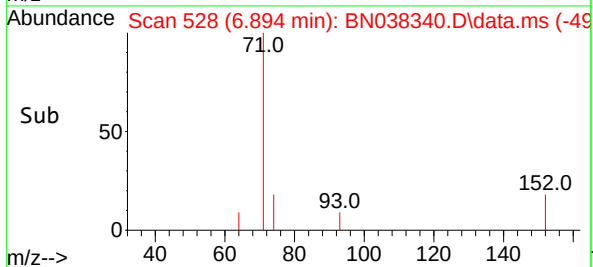
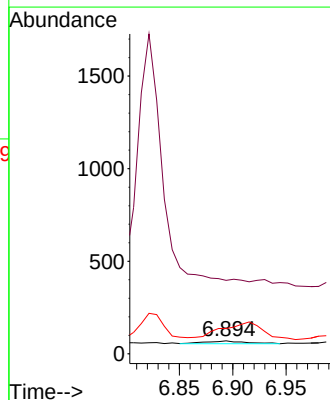
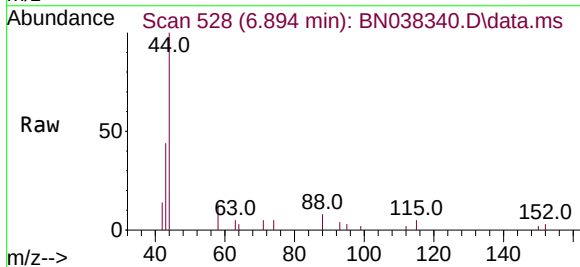
Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

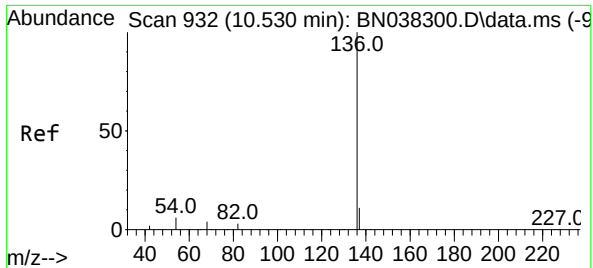
Tgt Ion:112 Resp: 16
Ion Ratio Lower Upper
112 100
64 193.8 44.4 66.6#
63 143.8 23.4 35.0#



#5
Phenol-d6
Concen: 0.002 ng
RT: 6.894 min Scan# 528
Delta R.T. 0.007 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion: 99 Resp: 37
Ion Ratio Lower Upper
99 100
42 0.0 16.5 24.7#
71 0.0 24.9 37.3#

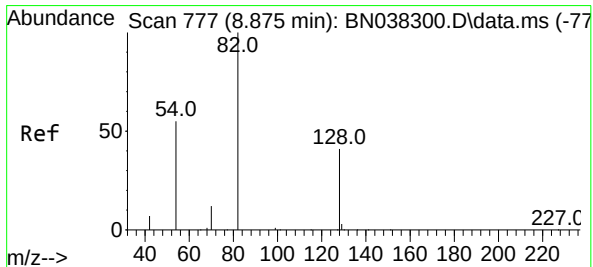
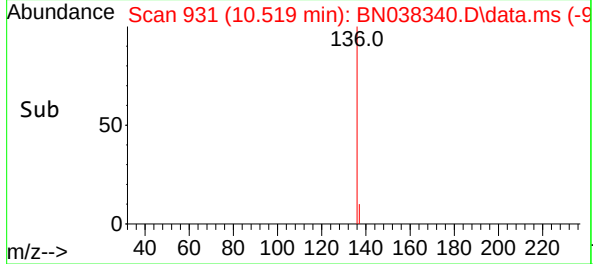
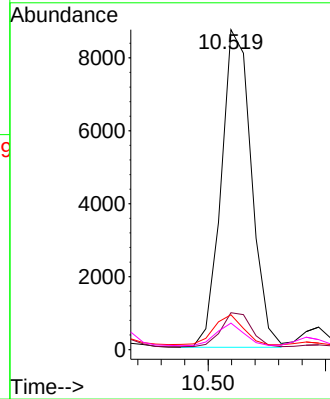
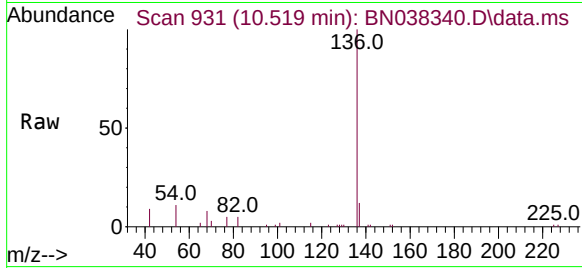




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

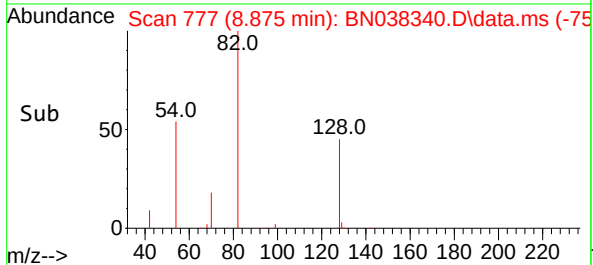
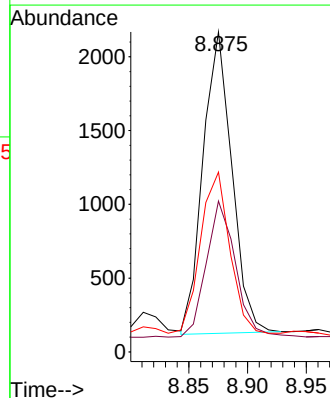
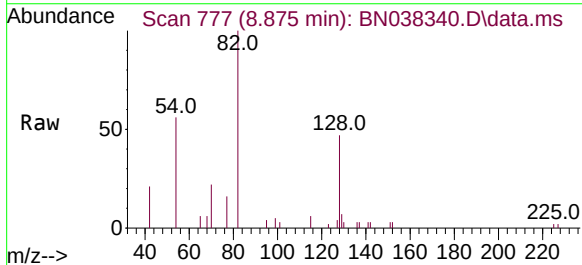
Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

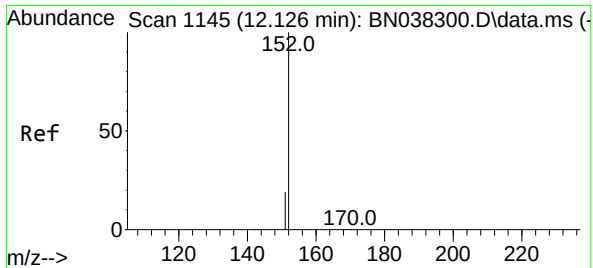
Tgt Ion:	136	Resp:	15596
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	10.9	5.2	7.8#
68	8.3	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.266 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion:	82	Resp:	3498
Ion	Ratio	Lower	Upper
82	100		
128	47.1	34.0	51.0
54	56.2	44.4	66.6

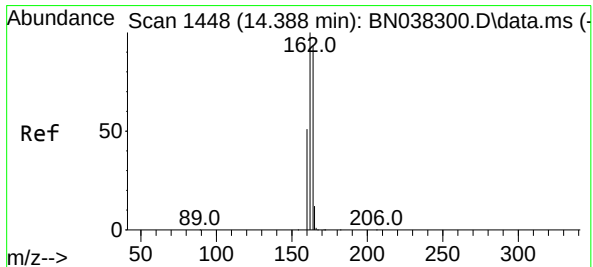
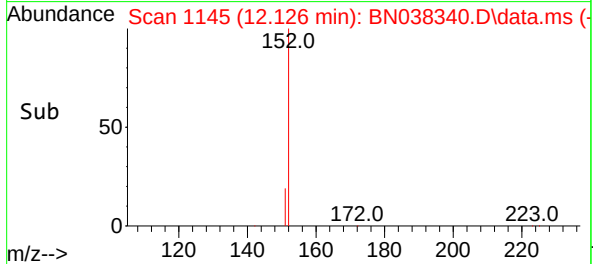
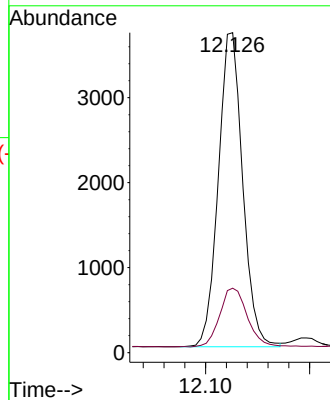
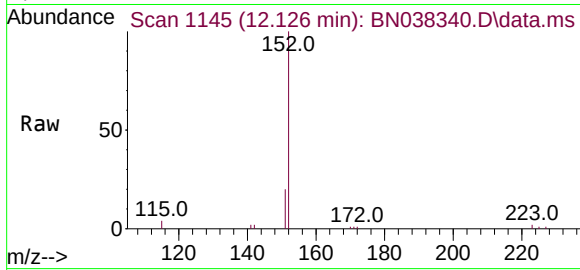




#11
2-Methylnaphthalene-d10
Concen: 0.274 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

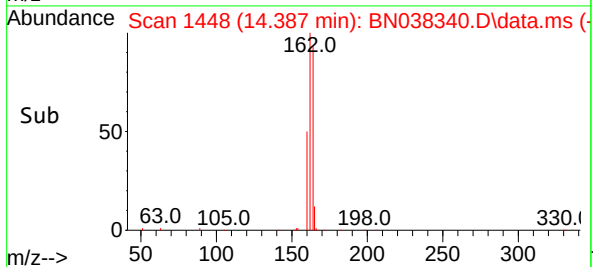
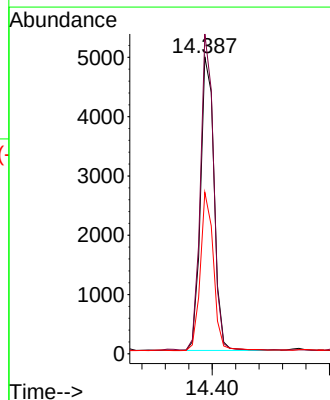
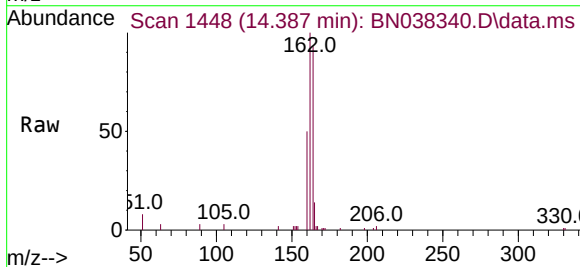
Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

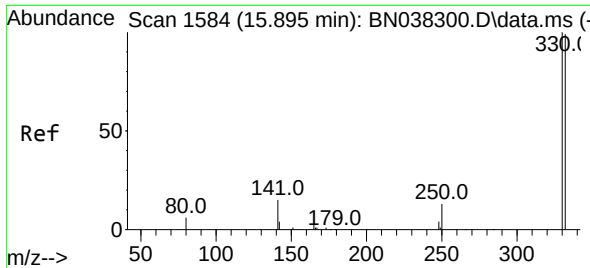
Tgt Ion:152 Resp: 6033
Ion Ratio Lower Upper
152 100
151 21.4 17.0 25.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.387 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion:164 Resp: 7934
Ion Ratio Lower Upper
164 100
162 107.8 86.2 129.4
160 54.4 44.6 67.0

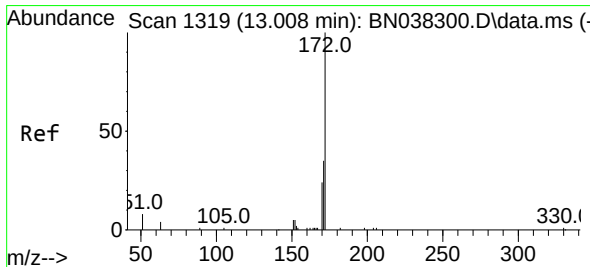
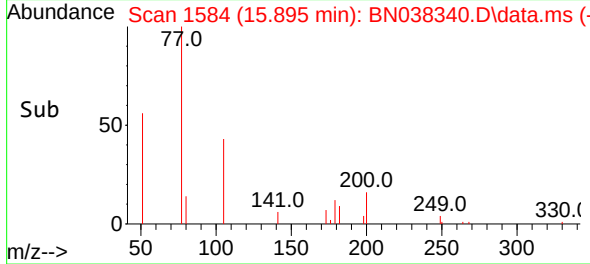
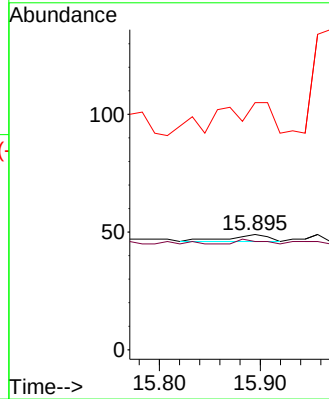
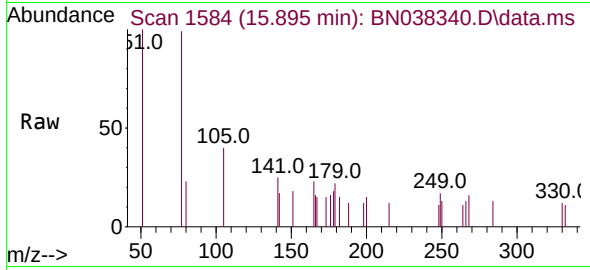




#14
2,4,6-Tribromophenol
Concen: 0.002 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

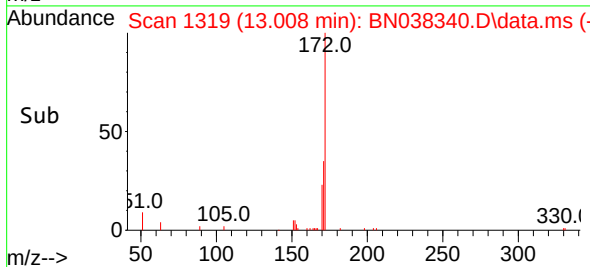
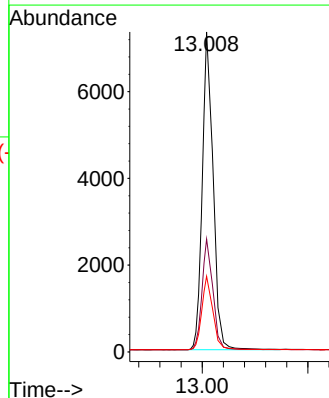
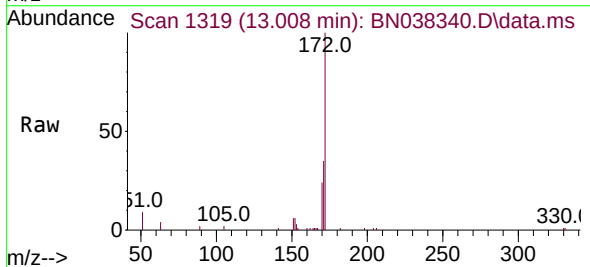
Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

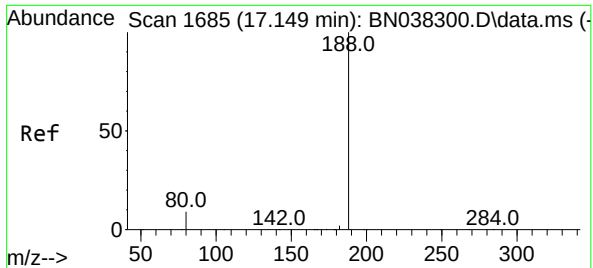
Tgt Ion:330 Resp: 8
Ion Ratio Lower Upper
330 100
332 37.5 75.8 113.6#
141 0.0 31.8 47.8#



#15
2-Fluorobiphenyl
Concen: 0.305 ng
RT: 13.008 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion:172 Resp: 11656
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.6 19.3 28.9

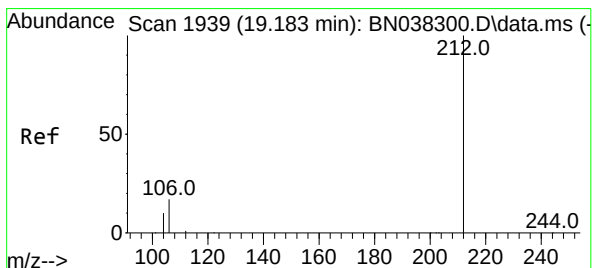
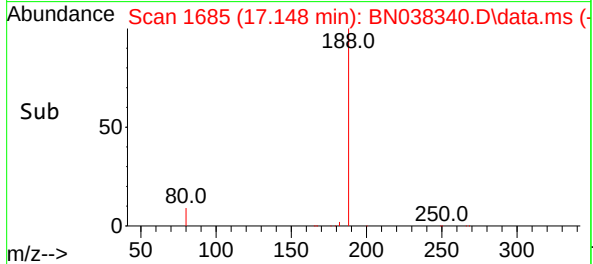
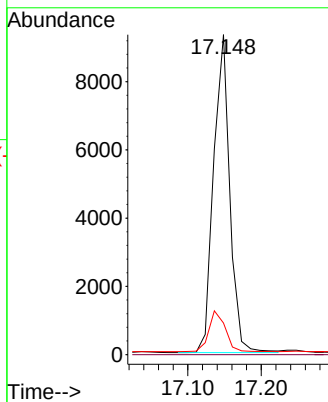
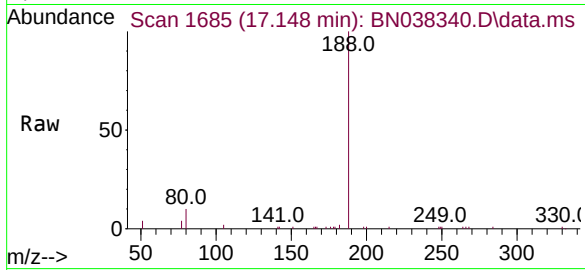




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

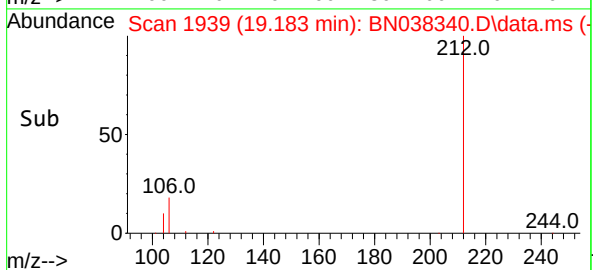
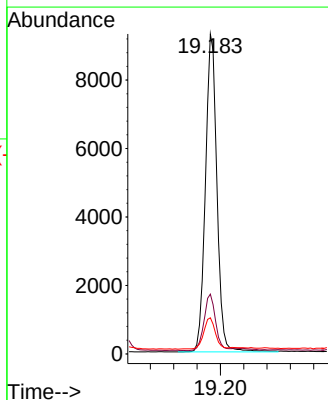
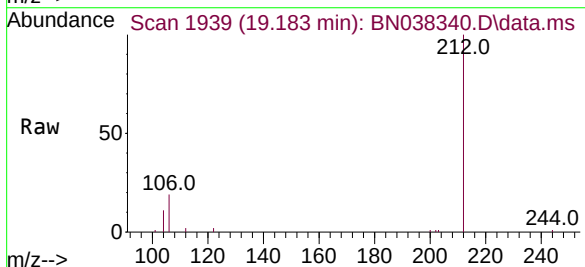
Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

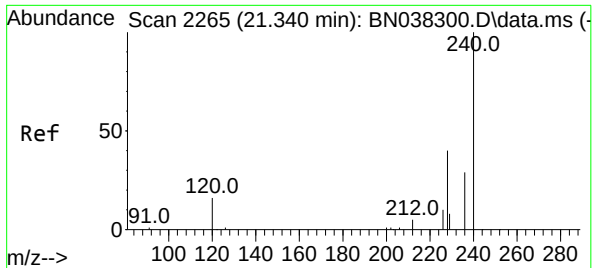
Tgt Ion:	188	Resp:	14347
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.9	7.4	11.0



#27
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.183 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion:	212	Resp:	12667
Ion Ratio	Lower	Upper	
212	100		
106	17.8	13.7	20.5
104	10.0	7.8	11.8

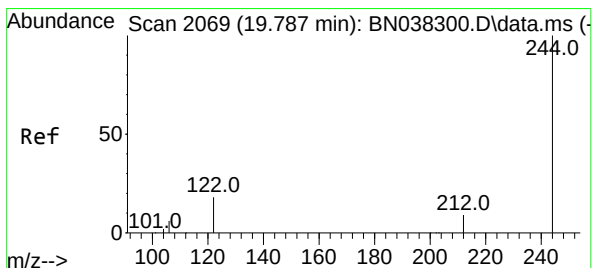
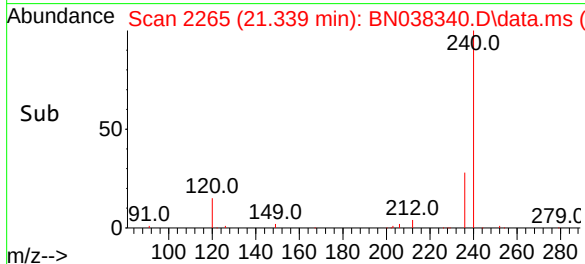
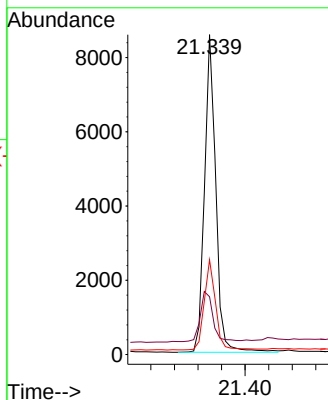
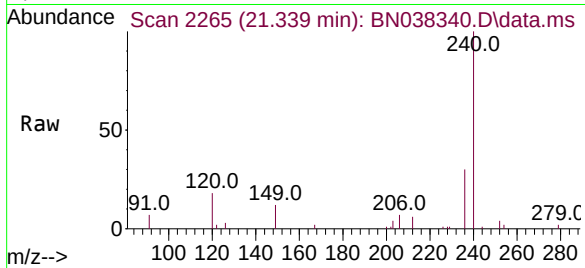




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.339 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

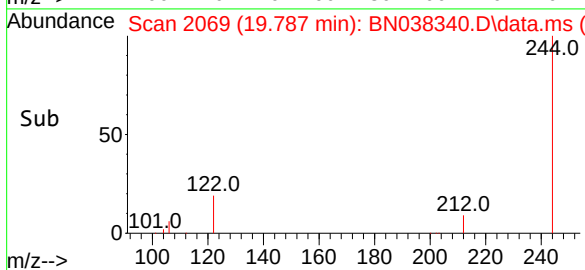
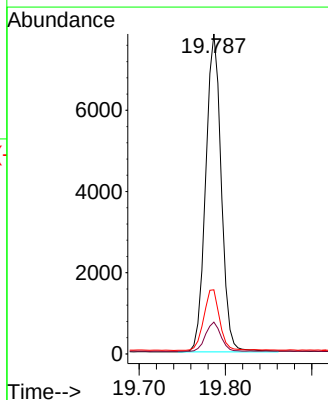
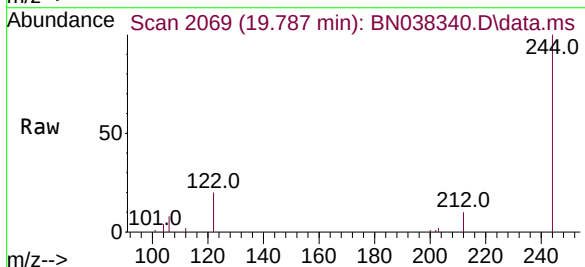
Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

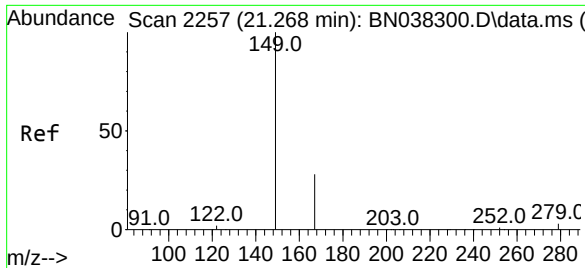
Tgt Ion:	240	Resp:	11335
Ion Ratio	Lower	Upper	
240	100		
120	18.1	15.4	23.2
236	29.6	23.9	35.9



#31
Terphenyl-d14
Concen: 0.388 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion:	244	Resp:	9824
Ion Ratio	Lower	Upper	
244	100		
212	9.9	7.9	11.9
122	20.0	15.0	22.6

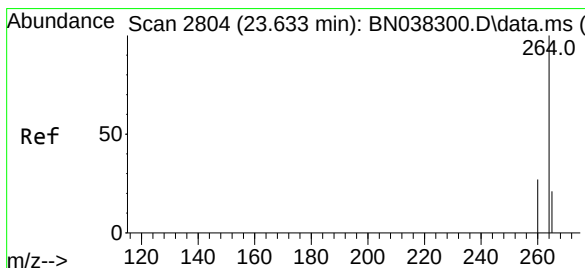
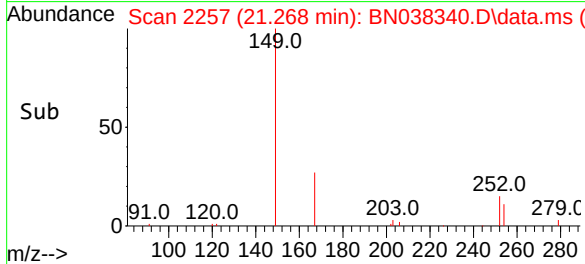
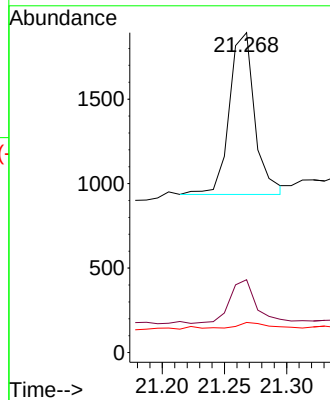
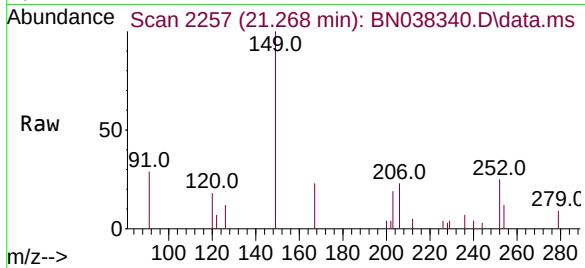




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.057 ng
RT: 21.268 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

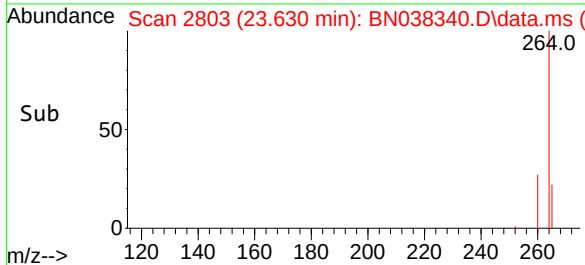
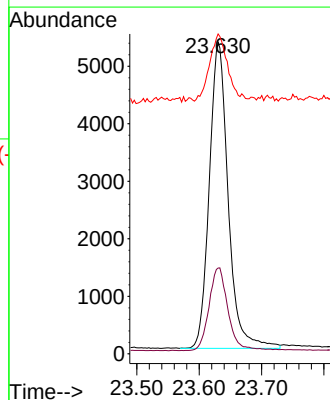
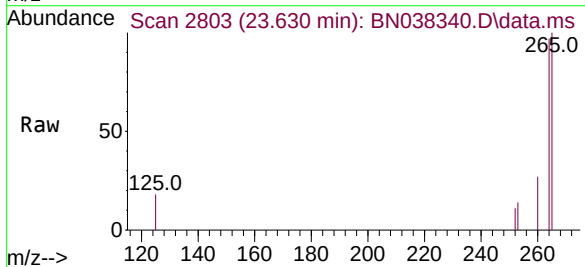
Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

Tgt Ion:149 Resp: 1365
Ion Ratio Lower Upper
149 100
167 29.5 21.4 32.0
279 4.3 2.4 3.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.630 min Scan# 2803
Delta R.T. -0.003 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion:264 Resp: 11188
Ion Ratio Lower Upper
264 100
260 27.5 22.2 33.2
265 102.7 80.2 120.2





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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/05/25
Client Sample ID:	MW-16B-87.5-120525	SDG No.:	Q3788
Lab Sample ID:	Q3788-11	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	960 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.070	U	1	0.070	0.21	ug/L	12/11/25 20:16	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.32			30 (47) - 150 (106)	81%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.40			30 (54) - 150 (157)	100%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.34			30 (56) - 130 (116)	84%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.31			30 (50) - 130 (126)	78%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.41			30 (54) - 130 (175)	102%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5310							
1146-65-2	Naphthalene-d8	14700							
15067-26-2	Acenaphthene-d10	8120							
1517-22-2	Phenanthrene-d10	14800							
1719-03-5	Chrysene-d12	12200							
1520-96-3	Perylene-d12	12500							

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\BN121125\
 Data File : BN038326.D
 Acq On : 11 Dec 2025 20:16
 Operator : RC/JU
 Sample : Q3788-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-16B-87.5-120525

Quant Time: Dec 12 00:11:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

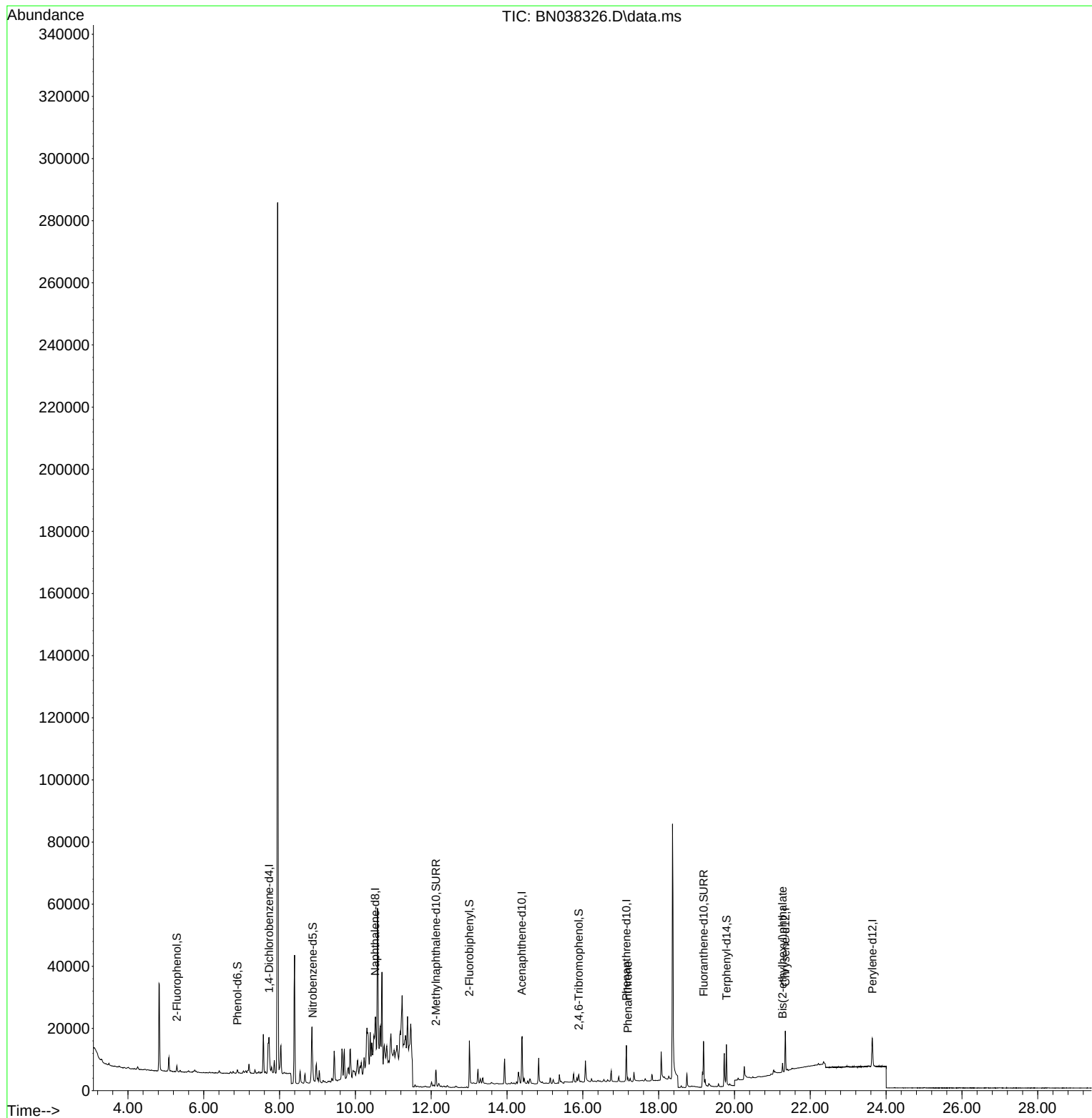
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5312	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	14704	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8122	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	14757	0.400	ng	0.00
29) Chrysene-d12	21.340	240	12246	0.400	ng	0.00
35) Perylene-d12	23.636	264	12457	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1583	0.120	ng	0.00
5) Phenol-d6	6.887	99	1101	0.070	ng	0.00
8) Nitrobenzene-d5	8.875	82	4197	0.338	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	6672	0.322	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1368	0.380	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	12194	0.312	ng	0.00
27) Fluoranthene-d10	19.183	212	14543	0.398	ng	0.00
31) Terphenyl-d14	19.787	244	11162	0.408	ng	0.00
Target Compounds						
25) Phenanthrene	17.186	178	1265	0.025	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.268	149	2769	0.107	ng	# 96

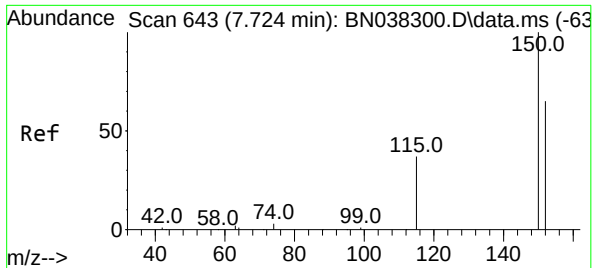
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038326.D
Acq On : 11 Dec 2025 20:16
Operator : RC/JU
Sample : Q3788-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

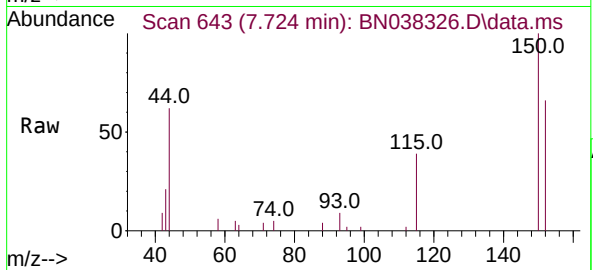
Quant Time: Dec 12 00:11:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



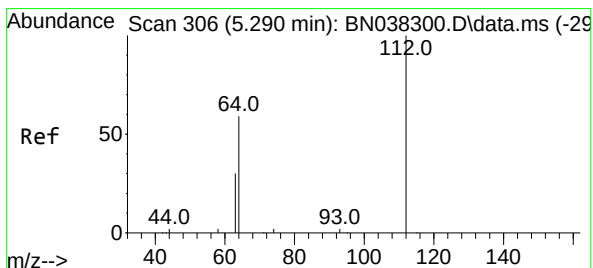
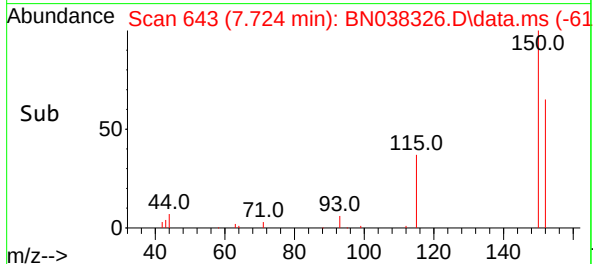
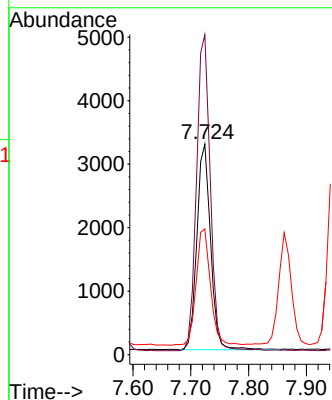


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

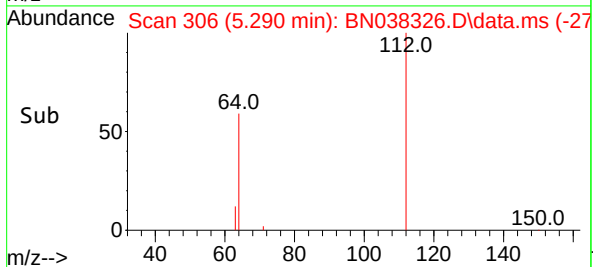
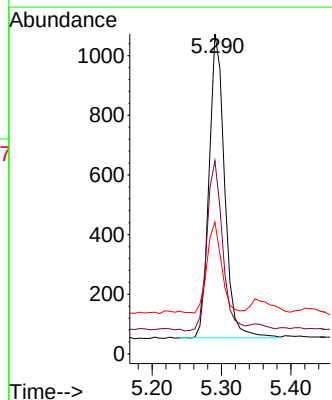
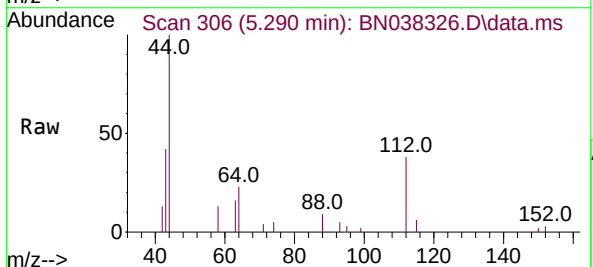


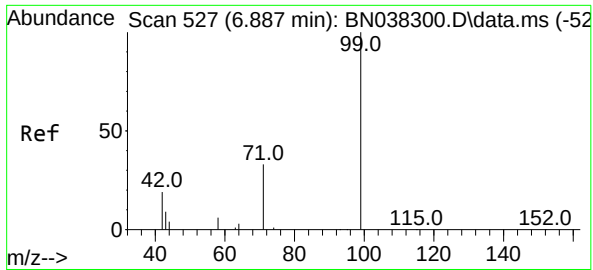
Tgt Ion:152 Resp: 5312
Ion Ratio Lower Upper
152 100
150 152.0 122.4 183.6
115 59.7 47.3 70.9



#4
2-Fluorophenol
Concen: 0.120 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Tgt Ion:112 Resp: 1583
Ion Ratio Lower Upper
112 100
64 56.5 44.4 66.6
63 29.0 23.4 35.0

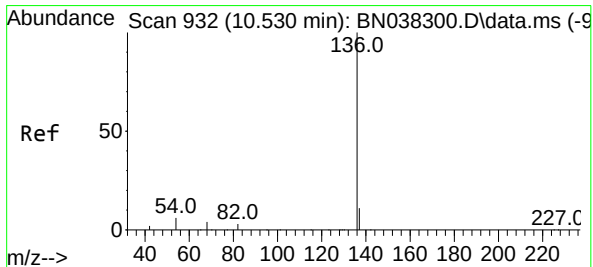
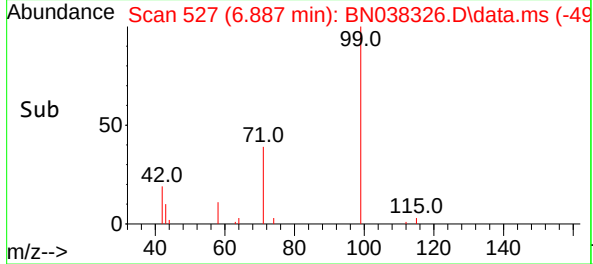
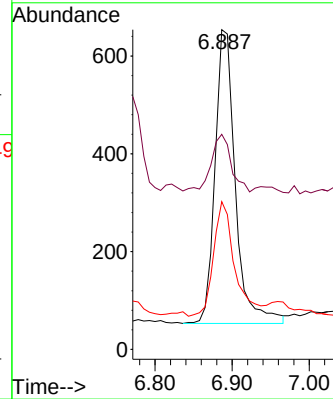
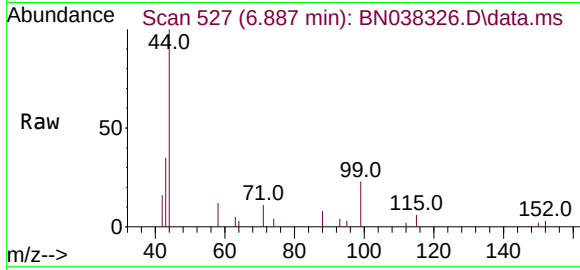




#5
Phenol-d6
Concen: 0.070 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

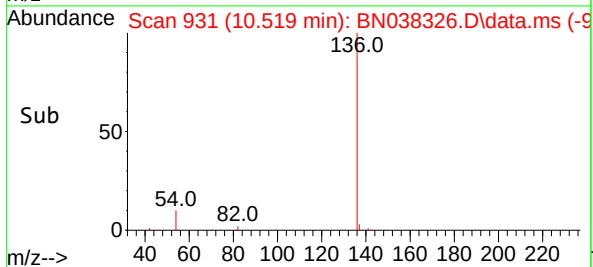
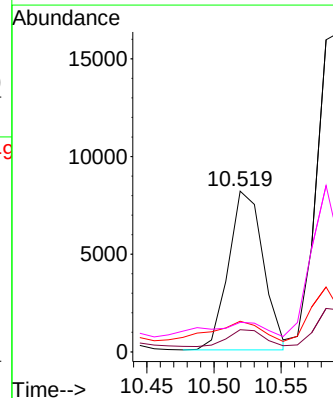
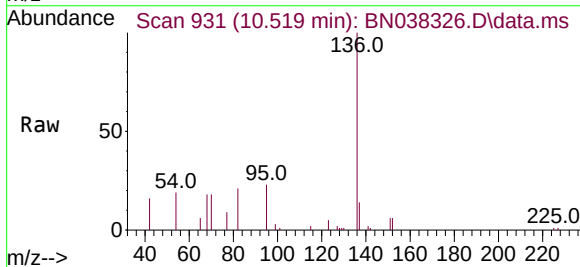
Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

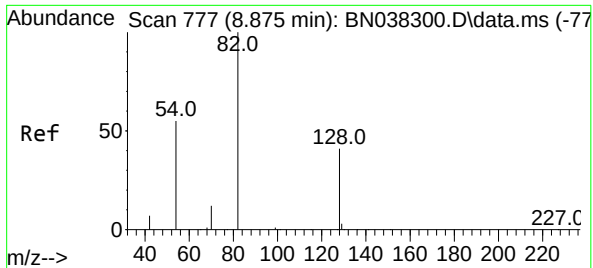
Tgt Ion: 99 Resp: 1101
Ion Ratio Lower Upper
99 100
42 19.4 16.5 24.7
71 40.4 24.9 37.3#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Tgt Ion: 136 Resp: 14704
Ion Ratio Lower Upper
136 100
137 13.8 9.1 13.7#
54 19.1 5.2 7.8#
68 18.4 4.1 6.1#

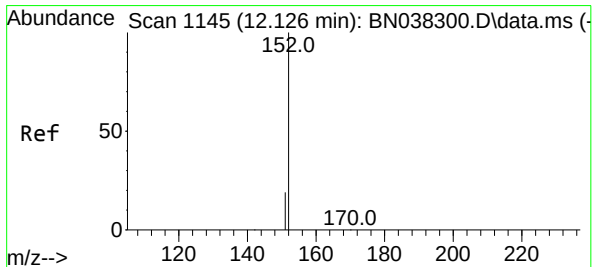
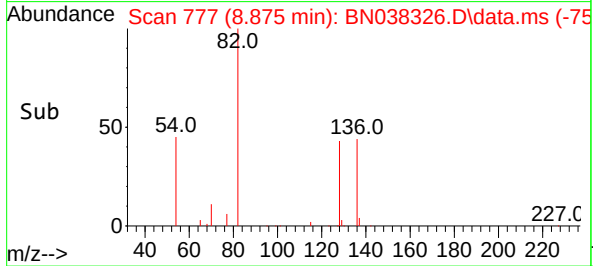
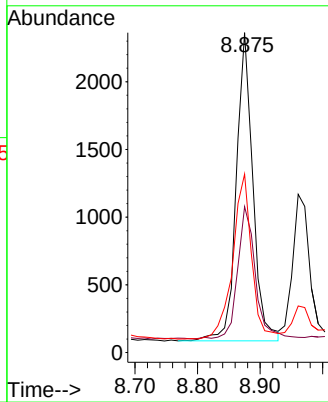
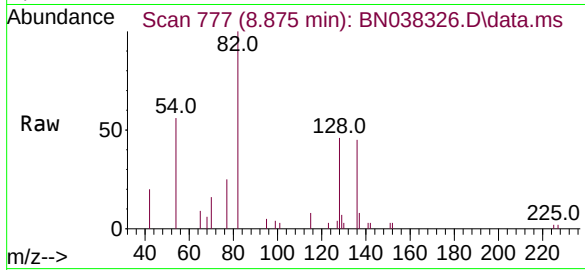




#8
Nitrobenzene-d5
Concen: 0.338 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

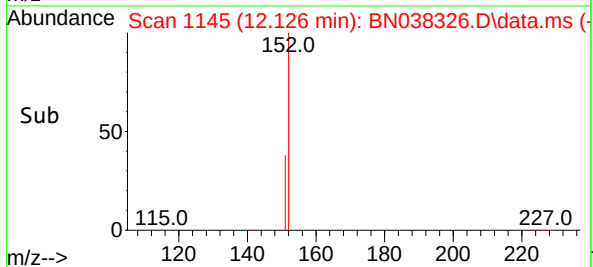
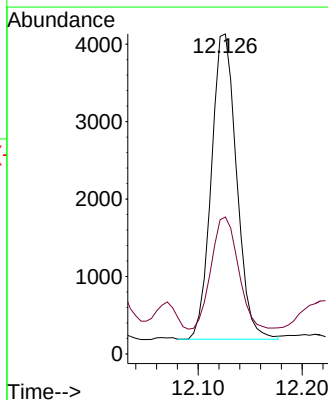
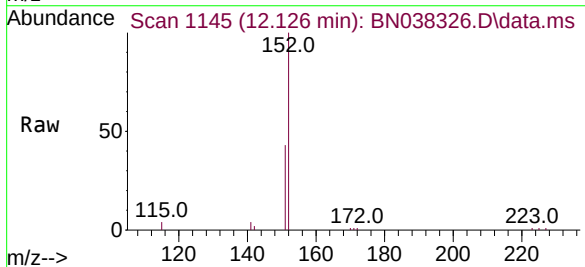
Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

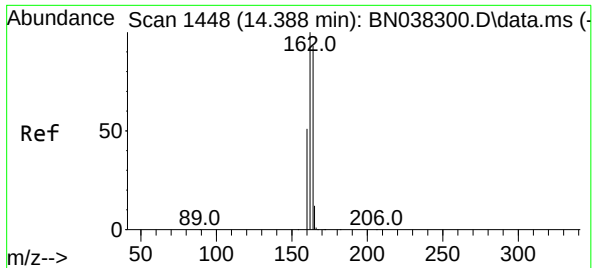
Tgt Ion:	82	Resp:	4197
Ion Ratio	Lower	Upper	
82	100		
128	45.6	34.0	51.0
54	55.8	44.4	66.6



#11
2-Methylnaphthalene-d10
Concen: 0.322 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Tgt Ion:	152	Resp:	6672
Ion Ratio	Lower	Upper	
152	100		
151	39.3	17.0	25.6#

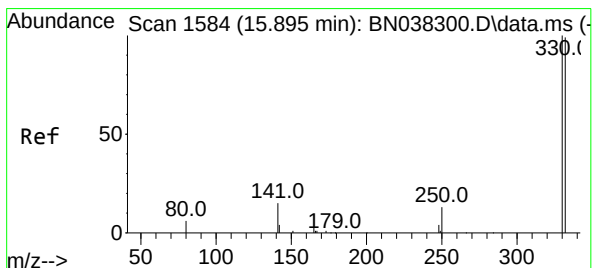
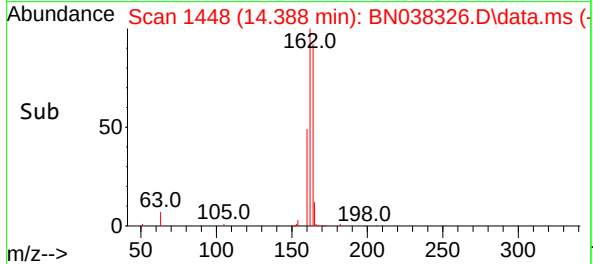
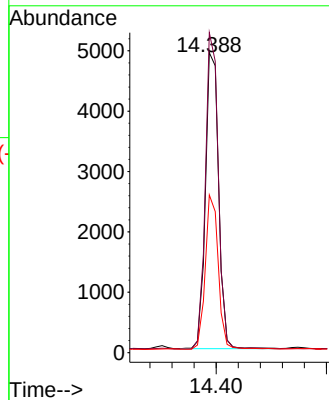
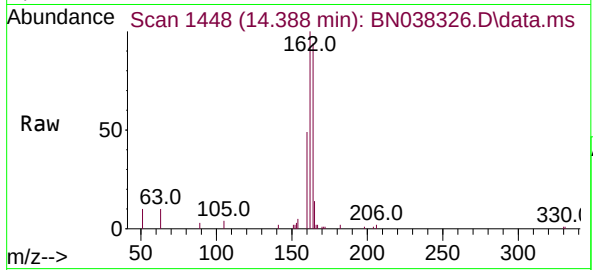




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

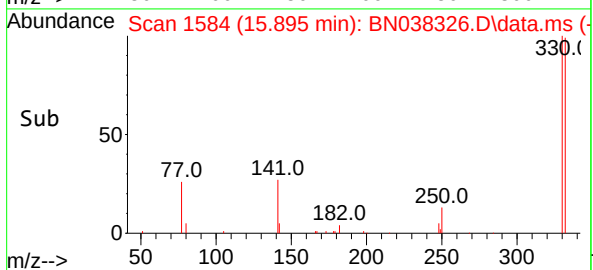
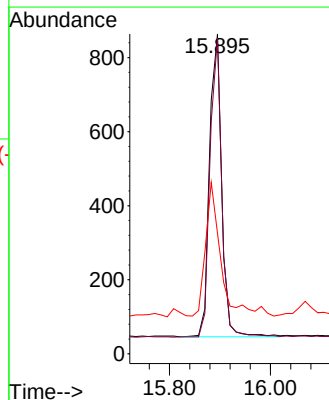
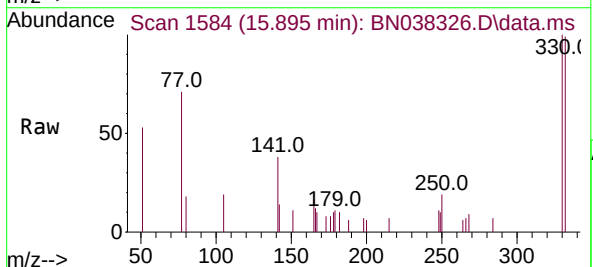
Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

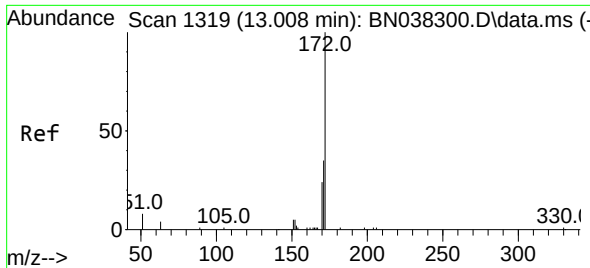
Tgt Ion:164 Resp: 8122
Ion Ratio Lower Upper
164 100
162 106.7 86.2 129.4
160 52.6 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.380 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Tgt Ion:330 Resp: 1368
Ion Ratio Lower Upper
330 100
332 95.8 75.8 113.6
141 55.1 31.8 47.8#

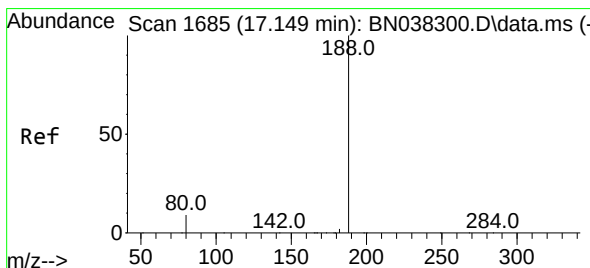
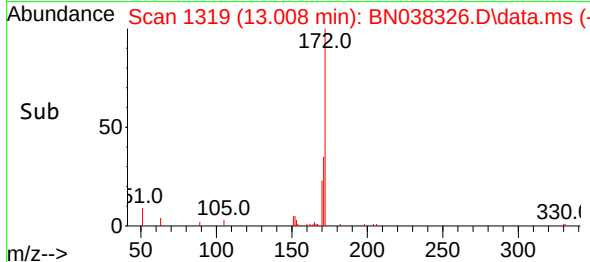
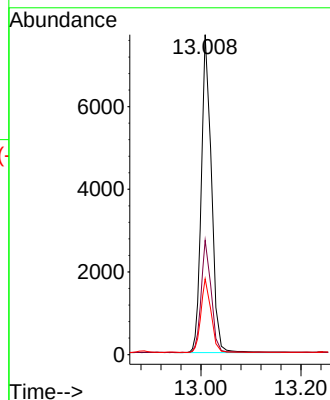
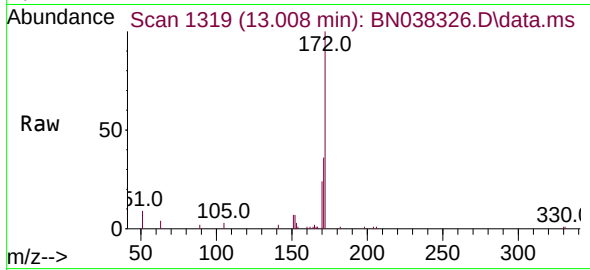




#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

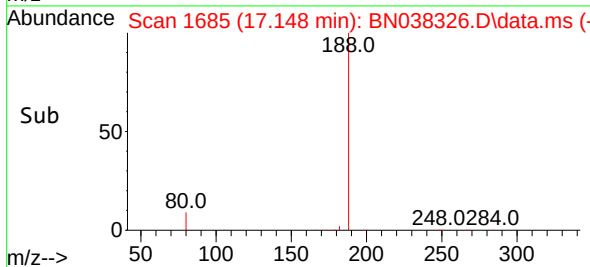
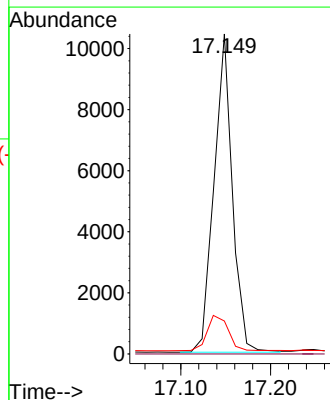
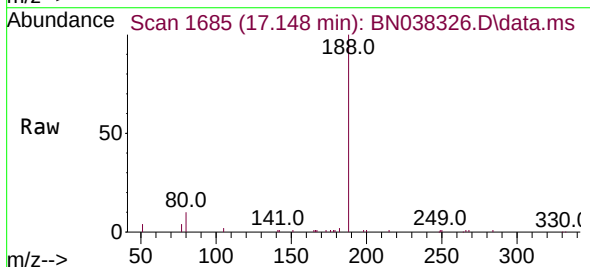
Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

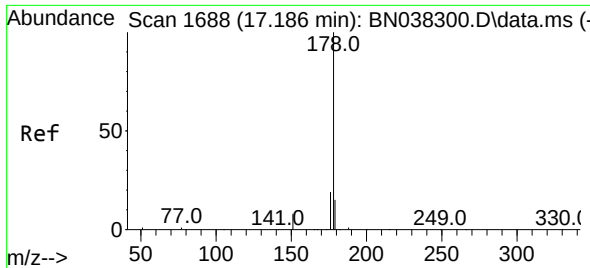
Tgt Ion:	172	Resp:	12194
Ion Ratio	Lower	Upper	
172	100		
171	35.7	28.6	42.8
170	23.7	19.3	28.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Tgt Ion:	188	Resp:	14757
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.3	7.4	11.0

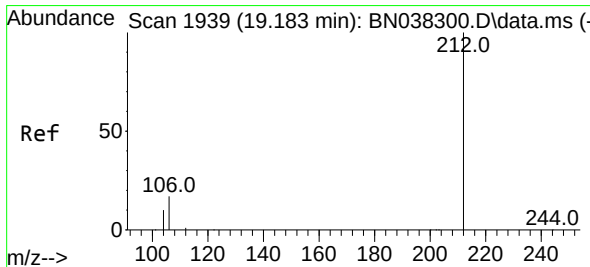
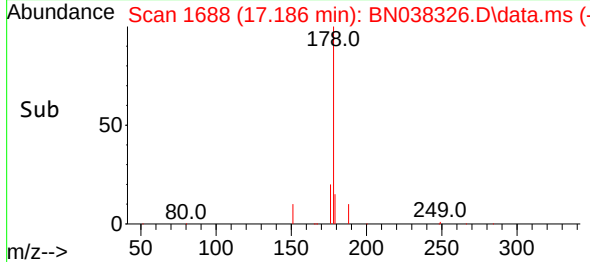
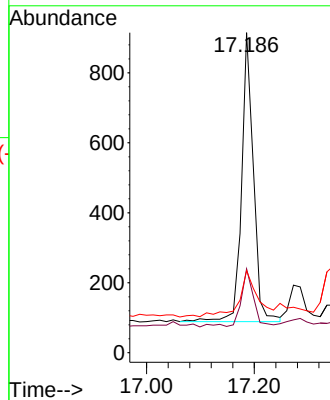
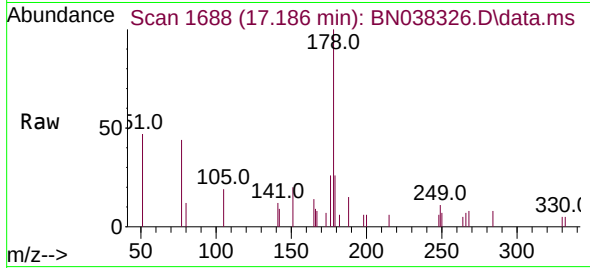




#25
Phenanthrene
Concen: 0.025 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

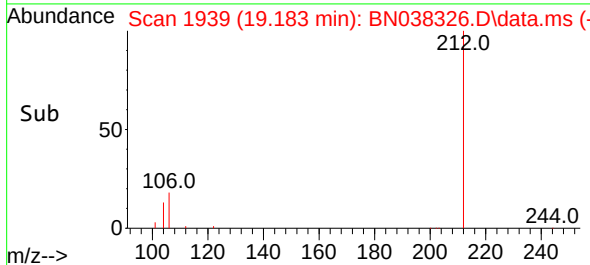
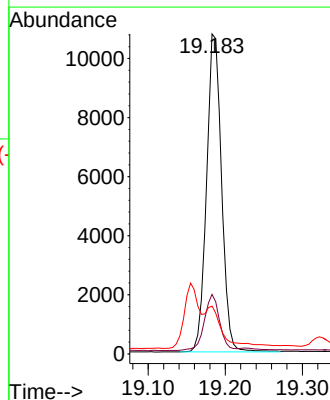
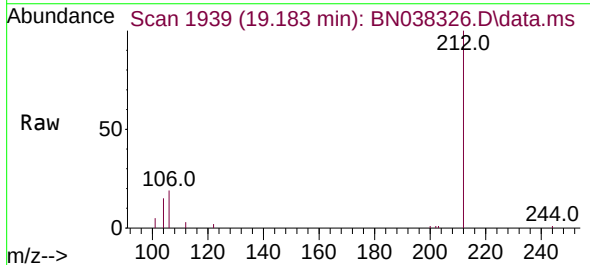
Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

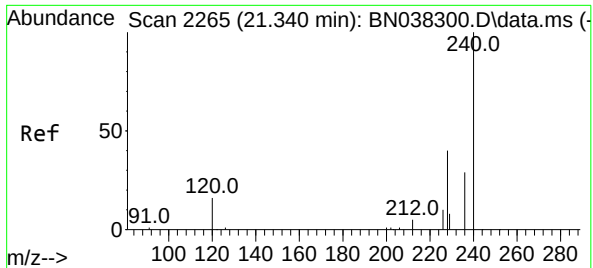
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.5	23.3
179	25.3	12.2	18.2



#27
Fluoranthene-d10
Concen: 0.398 ng
RT: 19.183 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Tgt Ion	Ratio	Lower	Upper
212	100		
106	17.9	13.7	20.5
104	0.0	7.8	11.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038326.D

Acq: 11 Dec 2025 20:16

Instrument :

BNA_N

ClientSampleId :

MW-16B-87.5-120525

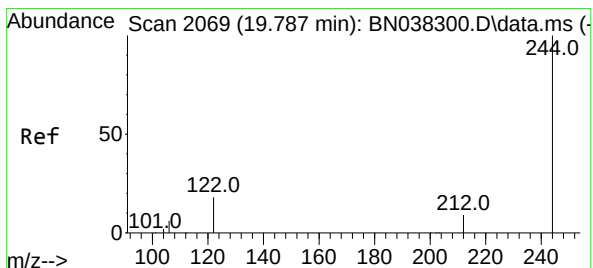
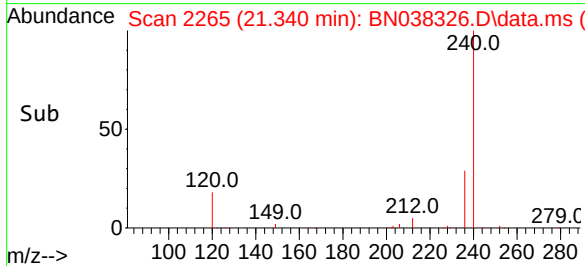
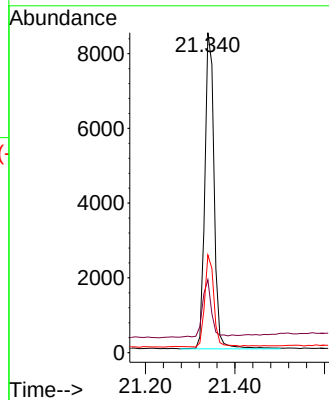
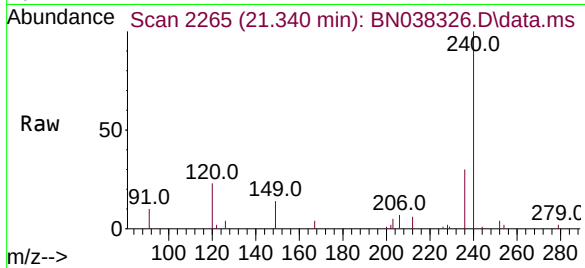
Tgt Ion:240 Resp: 12246

Ion Ratio Lower Upper

240 100

120 22.8 15.4 23.2

236 30.5 23.9 35.9



#31

Terphenyl-d14

Concen: 0.408 ng

RT: 19.787 min Scan# 2069

Delta R.T. -0.005 min

Lab File: BN038326.D

Acq: 11 Dec 2025 20:16

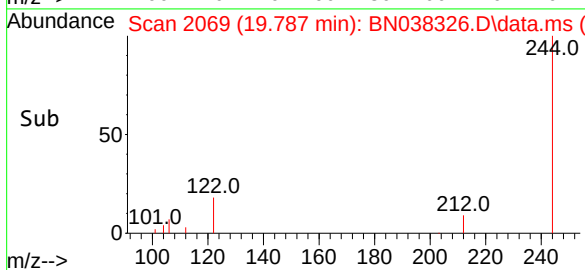
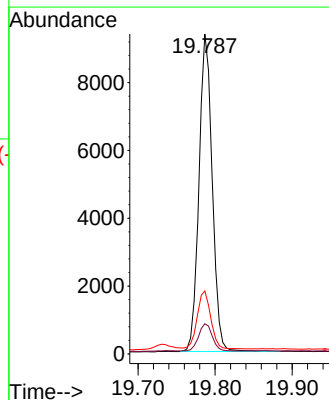
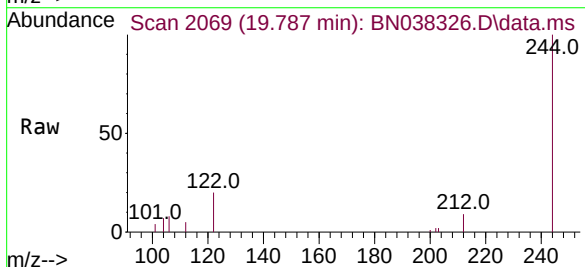
Tgt Ion:244 Resp: 11162

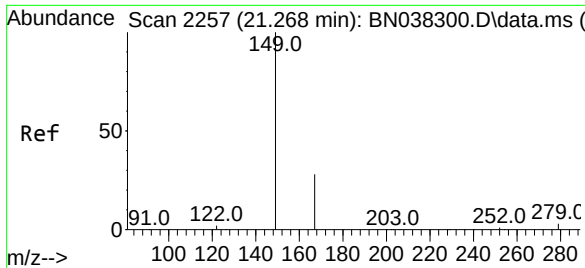
Ion Ratio Lower Upper

244 100

212 9.4 7.9 11.9

122 19.7 15.0 22.6

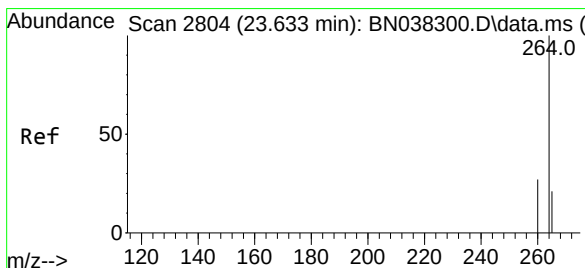
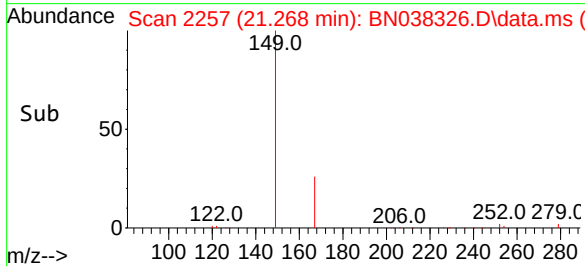
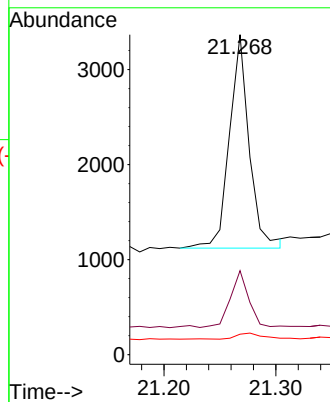
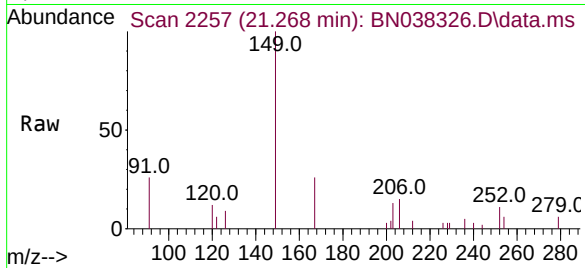




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.107 ng
RT: 21.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

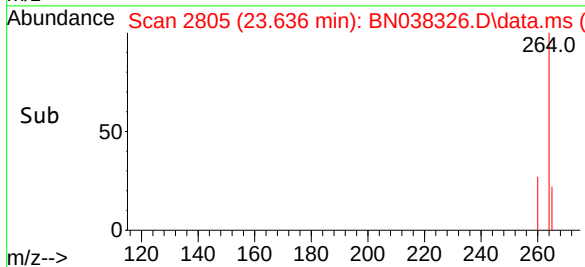
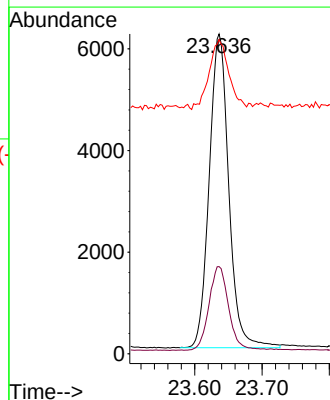
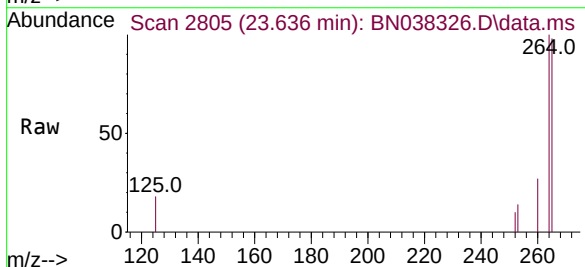
Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

Tgt Ion:149 Resp: 2769
Ion Ratio Lower Upper
149 100
167 24.8 21.4 32.0
279 4.0 2.4 3.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.636 min Scan# 2805
Delta R.T. 0.003 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Tgt Ion:264 Resp: 12457
Ion Ratio Lower Upper
264 100
260 27.3 22.2 33.2
265 98.2 80.2 120.2





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: AllianceContract: JAC005Lab Code: ACESDG No.: Q3788Instrument ID: BNA_NCalibration Date(s): 12/10/2025 12/10/2025Calibration Time(s): 09:52 13:30

LAB FILE ID:		RRF0.1 = BN038298.D		RRF0.2 = BN038299.D		RRF0.4 = BN038300.D		
		RRF0.8 = BN038301.D		RRF1.6 = BN038302.D		RRF3.2 = BN038303.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.543	0.548	0.549	0.554	0.559	0.598	0.564	4.2
Fluoranthene-d10	0.930	0.947	0.984	0.983	0.984	1.045	0.990	4.6
2-Fluorophenol	0.954	1.034	0.988	0.981	0.978	1.020	0.996	2.9
Phenol-d6	1.098	1.157	1.151	1.158	1.186	1.263	1.184	5.4
Nitrobenzene-d5	0.325	0.324	0.329	0.332	0.334	0.358	0.337	4.4
2-Fluorobiphenyl	1.940	1.951	1.927	1.838	1.874	2.046	1.914	4.1
2,4,6-Tribromophenol	0.165	0.162	0.167	0.168	0.175	0.196	0.177	9.5
Terphenyl-d14	0.913	0.917	0.881	0.880	0.863	0.893	0.893	2.2
1,4-Dioxane		0.506	0.465	0.443	0.442	0.456	0.459	5.5

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-BN121025.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Dec 10 13:56:50 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN038298.D 0.2 =BN038299.D 0.4 =BN038300.D 0.8 =BN038301.D 1.6 =BN038302.D 3.2 =BN038303.D 5 =BN038304.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.506	0.465	0.443	0.442	0.456	0.440	0.459		5.48
3)	n-Nitrosodimet...	0.568	0.572	0.568	0.577	0.590	0.574	0.575		1.42
4) S	2-Fluorophenol	0.954	1.034	0.988	0.981	0.978	1.020	1.019	0.996	2.88
5) S	Phenol-d6	1.098	1.157	1.151	1.158	1.186	1.263	1.277	1.184	5.44
6)	bis(2-Chloroet...	1.156	1.171	1.166	1.149	1.144	1.176	1.147	1.158	1.10
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.325	0.324	0.329	0.332	0.334	0.358	0.359	0.337	4.38
9)	Naphthalene	1.174	1.185	1.168	1.155	1.159	1.231	1.205	1.182	2.30
10)	Hexachlorobuta...	0.218	0.213	0.210	0.207	0.205	0.212	0.206	0.210	2.24
11) SURR	2-Methylnaphth...	0.543	0.548	0.549	0.554	0.559	0.598	0.599	0.564	4.23
12)	2-Methylnaphth...	0.722	0.735	0.731	0.737	0.747	0.794	0.789	0.751	3.85
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.167	0.163	0.167	0.169	0.175	0.197	0.205	0.177	9.30
15) S	2-Fluorobiphenyl	1.940	1.951	1.974	1.838	1.897	2.070	1.819	1.927	4.45
16)	Acenaphthylene	1.890	1.885	1.903	1.918	1.931	2.131	2.092	1.964	5.21
17)	Acenaphthene	1.311	1.329	1.342	1.351	1.358	1.460	1.430	1.369	4.01
18)	Fluorene	1.790	1.706	1.707	1.735	1.727	1.858	1.802	1.761	3.24
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.054	0.057	0.064	0.069	0.085		0.066		18.62
21)	4-Bromophenyl-...	0.288	0.291	0.287	0.291	0.293	0.310	0.318	0.297	4.12
22)	Hexachlorobenzene	0.370	0.366	0.350	0.350	0.347	0.358	0.357	0.357	2.40
23)	Atrazine	0.184	0.196	0.190	0.197	0.200	0.221	0.229	0.202	8.11
24)	Pentachlorophenol	0.124	0.121	0.121	0.126	0.134	0.156	0.174	0.139	15.30
25)	Phenanthrene	1.412	1.373	1.363	1.350	1.353	1.439	1.456	1.392	3.12
26)	Anthracene	1.149	1.119	1.141	1.184	1.186	1.300	1.323	1.200	6.67
27) SURR	Fluoranthene-d10	0.928	0.947	0.984	0.983	0.984	1.045	1.053	0.989	4.66
28)	Fluoranthene	1.419	1.413	1.459	1.466	1.473	1.562	1.566	1.480	4.17
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	2.038	1.968	1.920	1.909	1.890	2.022	2.037	1.969	3.25
31) S	Terphenyl-d14	0.913	0.917	0.881	0.879	0.863	0.893	0.903	0.893	2.20
32)	Benzo(a)anthra...	1.476	1.537	1.479	1.501	1.513	1.638	1.672	1.545	5.08
33)	Chrysene	1.653	1.712	1.721	1.709	1.674	1.745	1.697	1.701	1.79
34)	Bis(2-ethylhex...	1.002	0.845	0.779	0.754	0.828	0.879	0.848		10.38
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN121025.M

36)	Indeno(1,2,3-c...	1.813	2.040	2.122	2.116	2.115	2.321	2.330	2.123	8.27
37)	Benzo(b)fluora...	1.673	1.831	1.783	1.776	1.827	1.987	1.984	1.837	6.18
38)	Benzo(k)fluora...	1.597	1.793	1.796	1.812	1.823	2.006	1.994	1.832	7.57
39) C	Benzo(a)pyrene	1.355	1.459	1.469	1.459	1.479	1.640	1.663	1.503	7.27
40)	Dibenzo(a,h)an...	1.396	1.521	1.619	1.624	1.651	1.823	1.822	1.637	9.37
41)	Benzo(g,h,i)pe...	1.622	1.816	1.812	1.806	1.818	1.966	1.964	1.829	6.34

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038298.D
 Acq On : 10 Dec 2025 09:52
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Dec 10 13:58:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

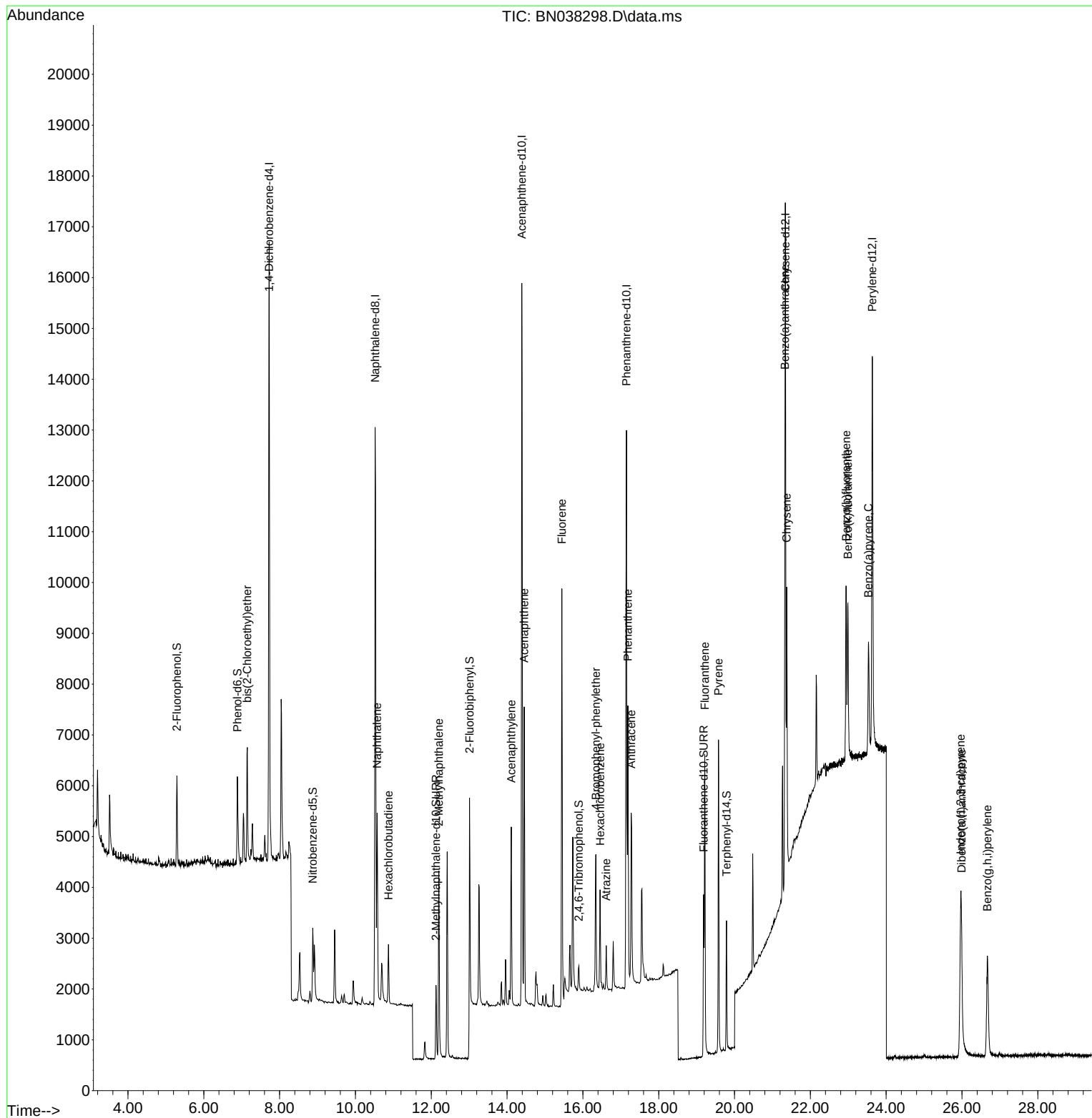
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6259	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	16430	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8491	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	15796	0.400	ng	0.00
29) Chrysene-d12	21.340	240	11291	0.400	ng	0.00
35) Perylene-d12	23.633	264	10537	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	1492	0.096	ng	0.00
5) Phenol-d6	6.887	99	1718	0.093	ng	0.00
8) Nitrobenzene-d5	8.875	82	1335	0.096	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	2230	0.096	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	351	0.093	ng	0.00
15) 2-Fluorobiphenyl	13.009	172	4119	0.101	ng	0.00
27) Fluoranthene-d10	19.188	212	3672	0.094	ng	0.00
31) Terphenyl-d14	19.787	244	2576	0.102	ng	0.00
Target Compounds						
						Qvalue
6) bis(2-Chloroethyl)ether	7.147	93	1809	0.100	ng	99
9) Naphthalene	10.573	128	4821	0.099	ng	96
10) Hexachlorobutadiene	10.872	225	896	0.104	ng	# 99
12) 2-Methylnaphthalene	12.202	142	2965	0.096	ng	98
16) Acenaphthylene	14.110	152	4012	0.096	ng	99
17) Acenaphthene	14.452	154	2783	0.096	ng	95
18) Fluorene	15.446	166	3800	0.102	ng	98
21) 4-Bromophenyl-phenylether	16.342	248	1138	0.097	ng	96
22) Hexachlorobenzene	16.454	284	1462	0.104	ng	97
23) Atrazine	16.615	200	727	0.091	ng	# 94
25) Phenanthrene	17.186	178	5585	0.102	ng	100
26) Anthracene	17.273	178	4544	0.096	ng	99
28) Fluoranthene	19.215	202	5615	0.096	ng	99
30) Pyrene	19.578	202	5753	0.103	ng	100
32) Benzo(a)anthracene	21.331	228	4166	0.096	ng	98
33) Chrysene	21.375	228	4665	0.097	ng	98
36) Indeno(1,2,3-cd)pyrene	25.967	276	4777	0.085	ng	98
37) Benzo(b)fluoranthene	22.943	252	4408	0.091	ng	# 64
38) Benzo(k)fluoranthene	22.990	252	4206	0.087	ng	# 62
39) Benzo(a)pyrene	23.534	252	3570	0.090	ng	# 55
40) Dibenzo(a,h)anthracene	25.987	278	3677	0.085	ng	# 75
41) Benzo(g,h,i)perylene	26.671	276	4274	0.089	ng	# 87

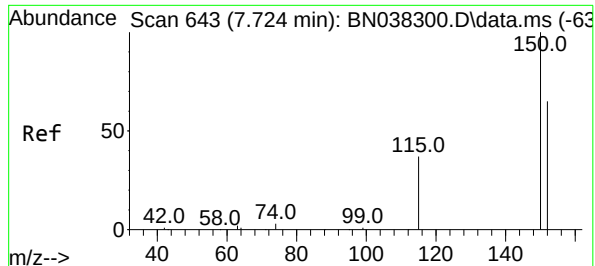
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 Acq On : 10 Dec 2025 09:52
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Dec 10 13:58:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

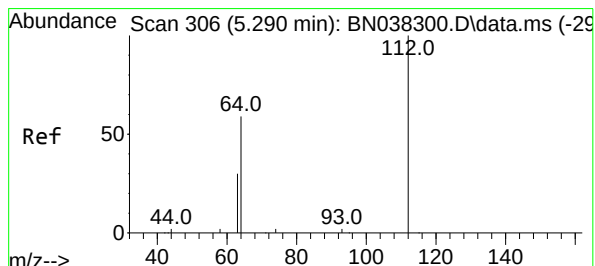
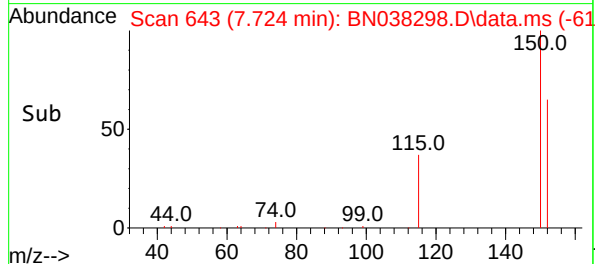
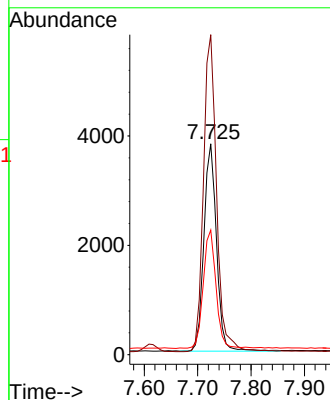
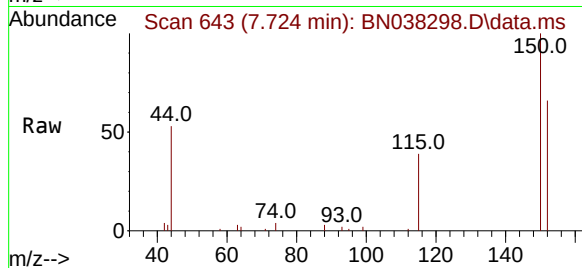




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 643
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

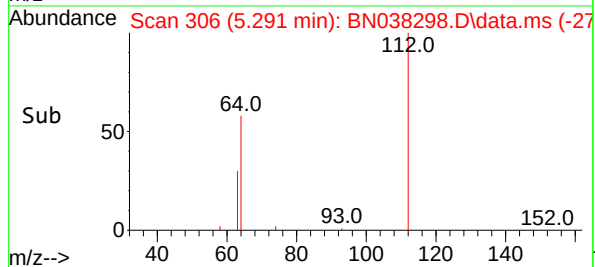
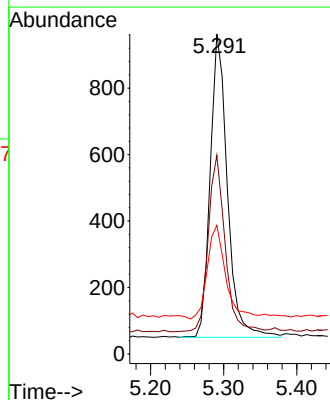
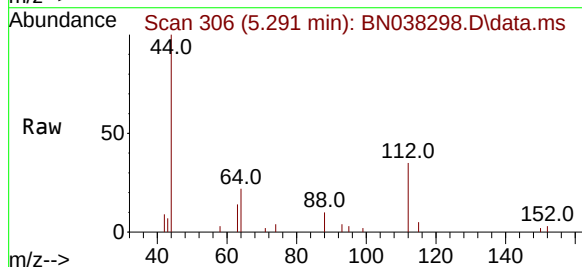
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

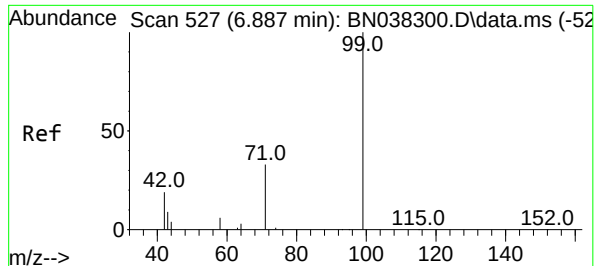
Tgt Ion:152 Resp: 6259
Ion Ratio Lower Upper
152 100
150 151.8 122.4 183.6
115 59.1 47.3 70.9



#4
2-Fluorophenol
Concen: 0.096 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:112 Resp: 1492
Ion Ratio Lower Upper
112 100
64 56.7 44.4 66.6
63 33.1 23.4 35.0

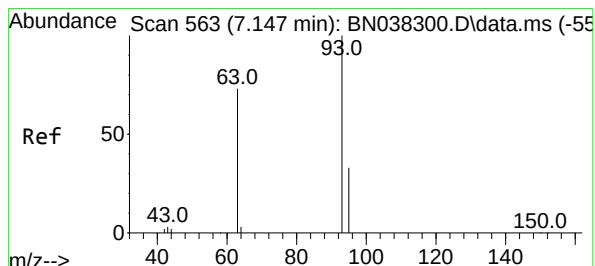
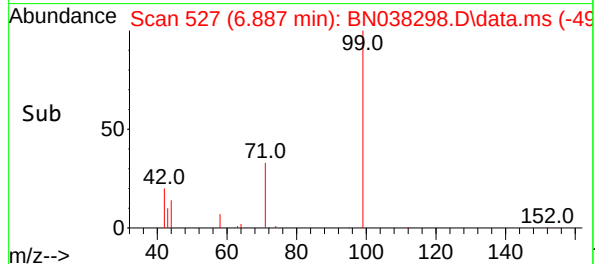
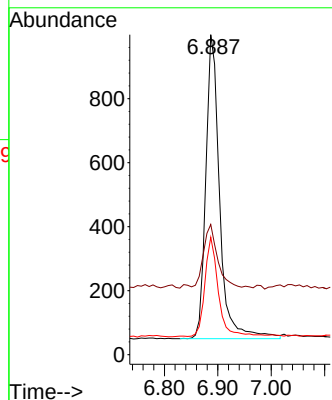
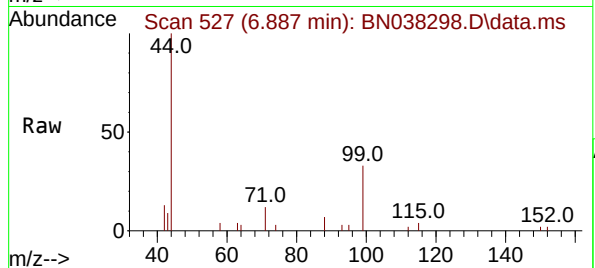




#5
Phenol-d6
Concen: 0.093 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

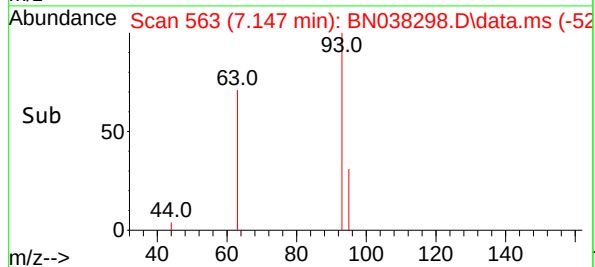
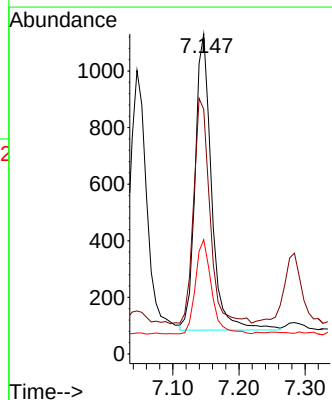
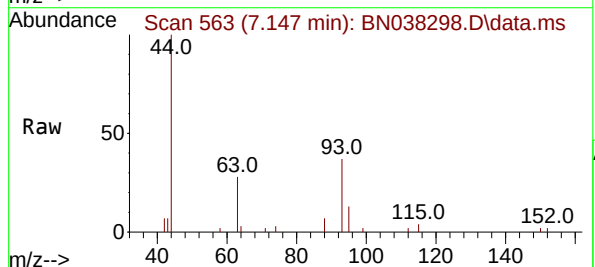
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

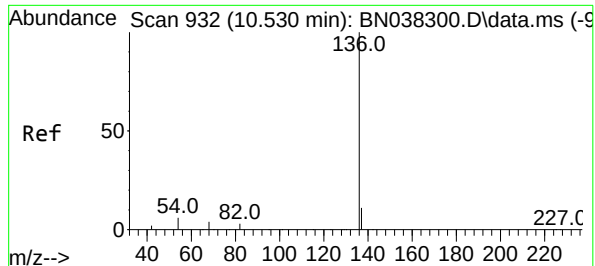
Tgt Ion: 99 Resp: 1718
Ion Ratio Lower Upper
99 100
42 22.1 16.5 24.7
71 32.3 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 0.100 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion: 93 Resp: 1809
Ion Ratio Lower Upper
93 100
63 75.2 59.2 88.8
95 31.2 25.2 37.8

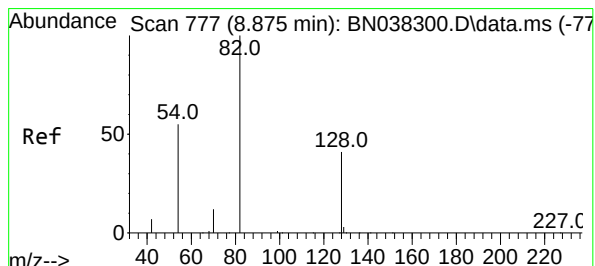
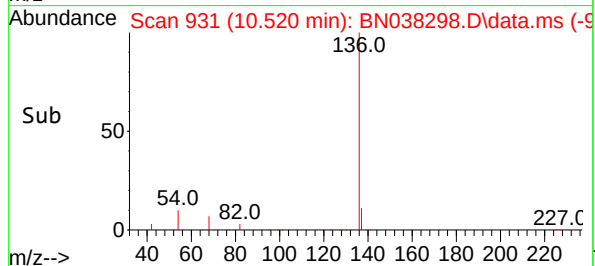
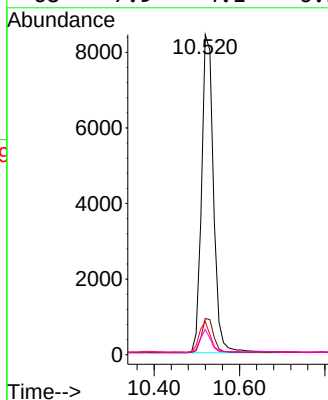
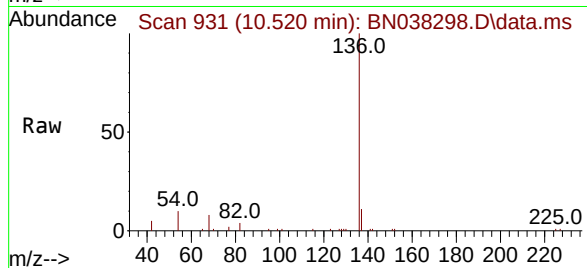




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

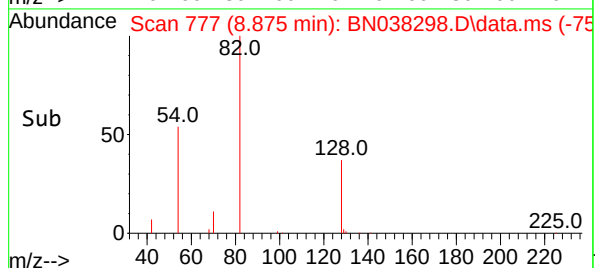
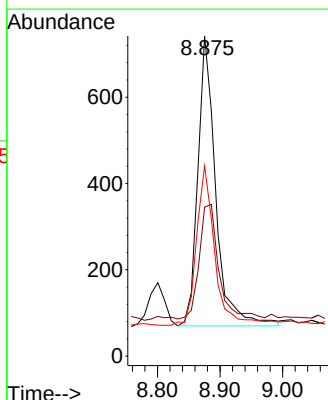
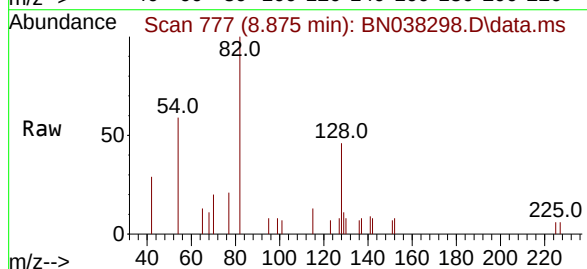
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

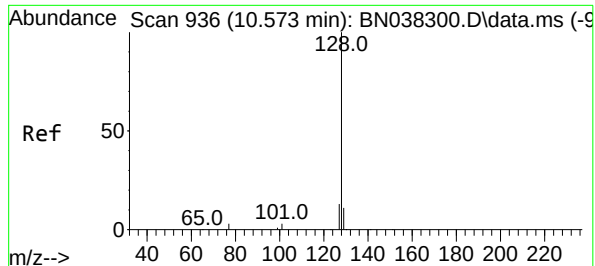
Tgt Ion	136	137	54	68
Ratio	100	11.3	10.4	7.9
Lower		9.1	5.2	4.1
Upper		13.7	7.8#	6.1#



#8
Nitrobenzene-d5
Concen: 0.096 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion	82	128	54
Ratio	100	46.5	59.4
Lower		34.0	44.4
Upper		51.0	66.6





#9
Naphthalene

Concen: 0.099 ng

RT: 10.573 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

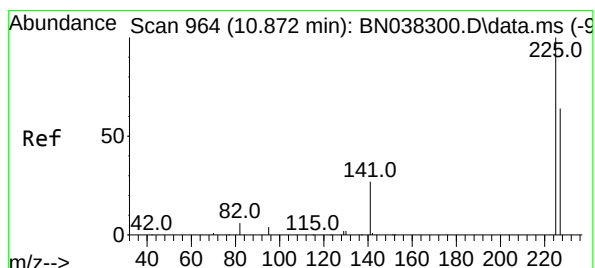
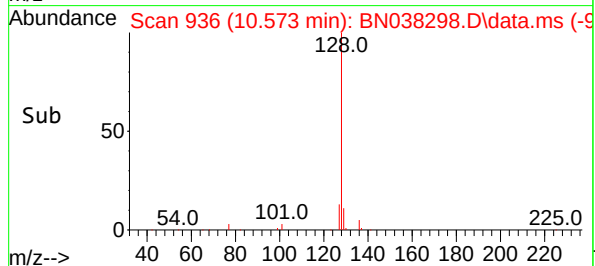
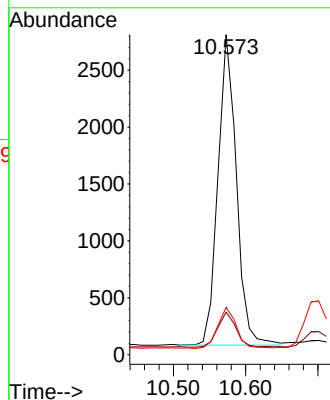
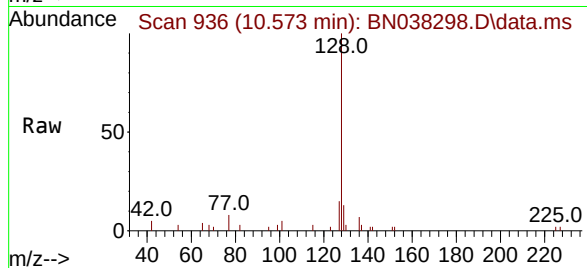
Tgt Ion:128 Resp: 4821

Ion	Ratio	Lower	Upper

128	100		

129	13.3	9.1	13.7

127	14.8	10.9	16.3



#10

Hexachlorobutadiene

Concen: 0.104 ng

RT: 10.872 min Scan# 964

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

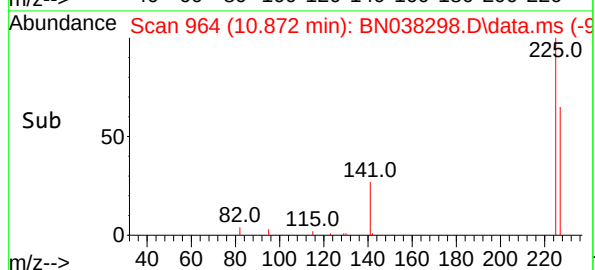
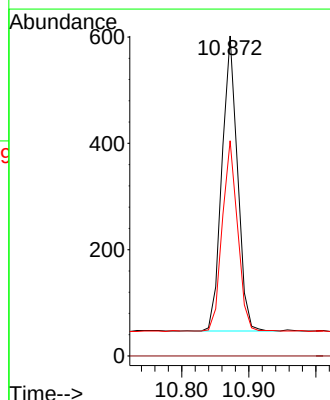
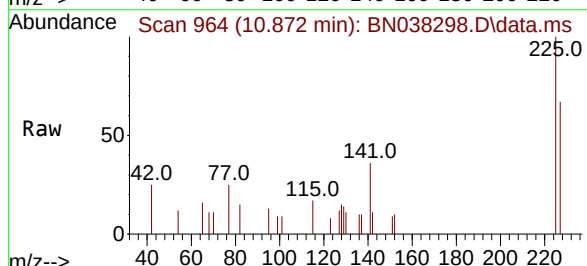
Tgt Ion:225 Resp: 896

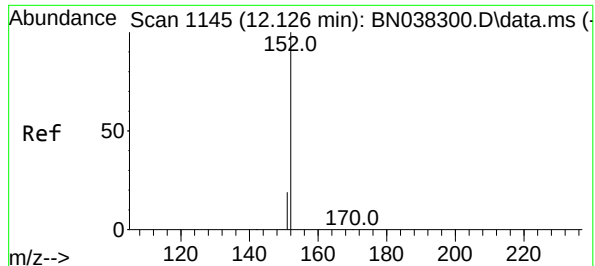
Ion	Ratio	Lower	Upper

225	100		

223	0.0	0.0	0.0

227	63.2	51.2	76.8

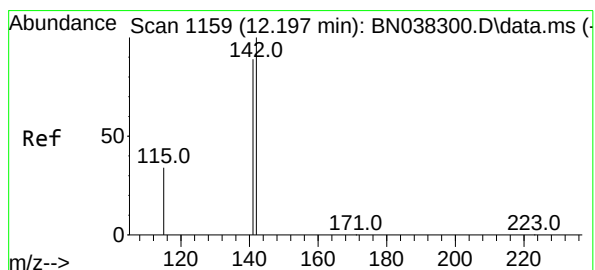
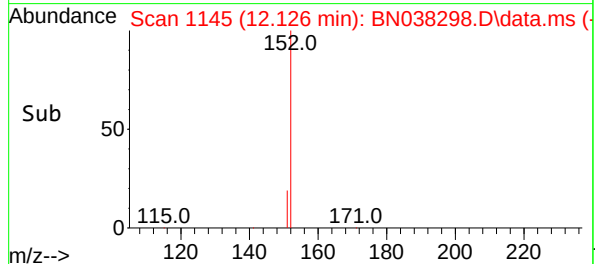
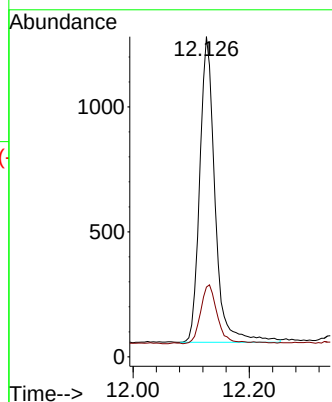
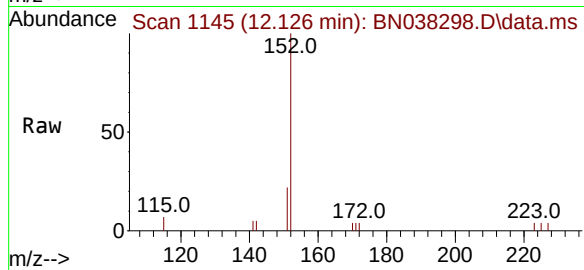




#11
2-Methylnaphthalene-d10
Concen: 0.096 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

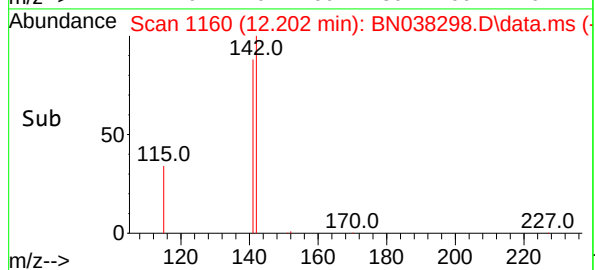
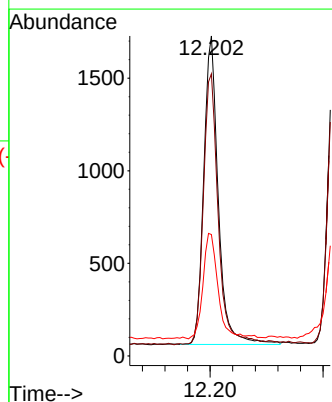
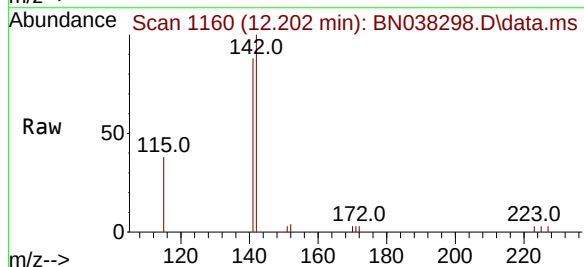
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BNA_N
ClientSampleId :
SSTDICC0.1

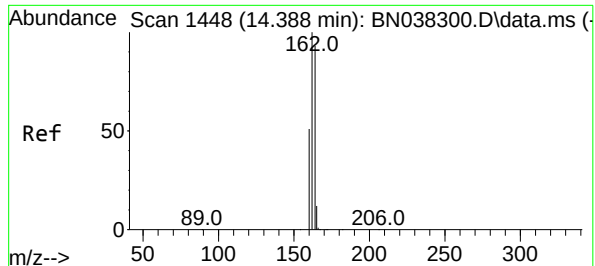
Tgt Ion:152 Resp: 2230
Ion Ratio Lower Upper
152 100
151 21.2 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.096 ng
RT: 12.202 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:142 Resp: 2965
Ion Ratio Lower Upper
142 100
141 88.1 71.4 107.2
115 38.0 28.4 42.6

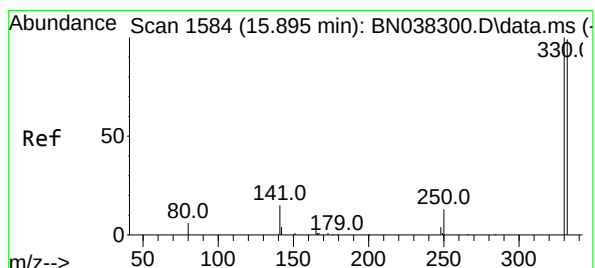
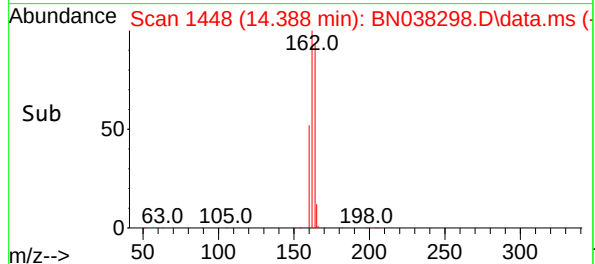
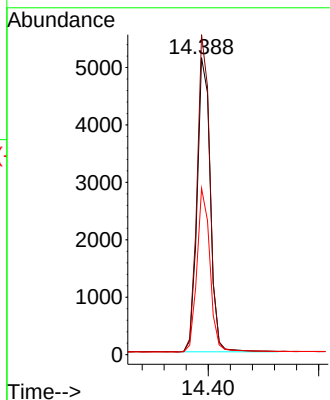
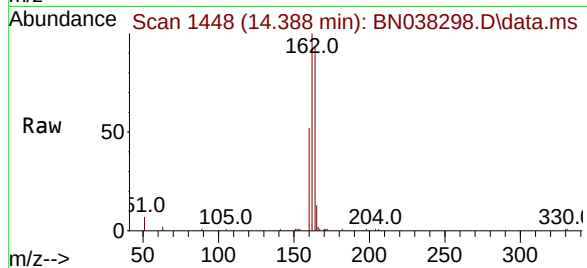




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

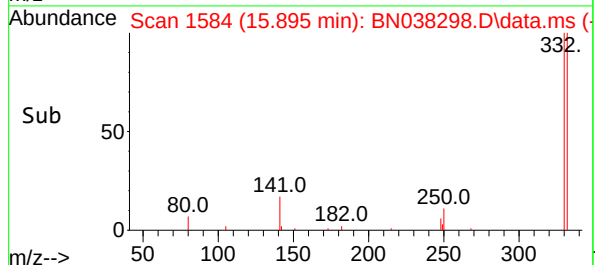
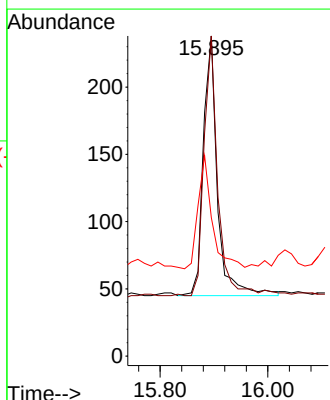
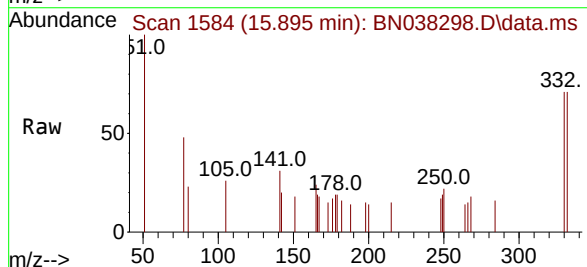
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

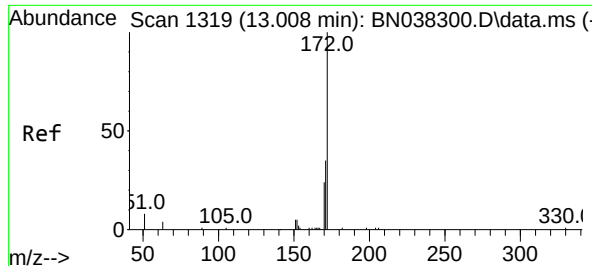
Tgt Ion:164 Resp: 8491
Ion Ratio Lower Upper
164 100
162 107.7 86.2 129.4
160 56.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.093 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:330 Resp: 351
Ion Ratio Lower Upper
330 100
332 98.0 75.8 113.6
141 43.6 31.8 47.8

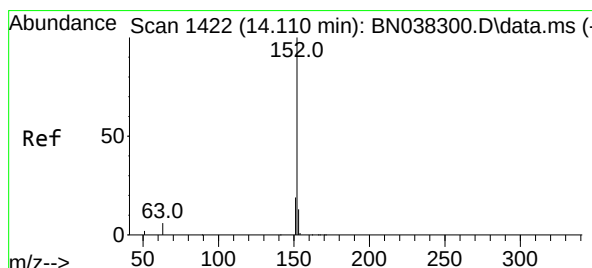
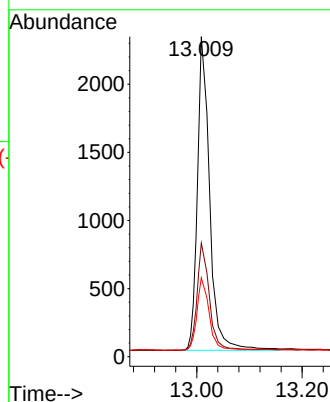
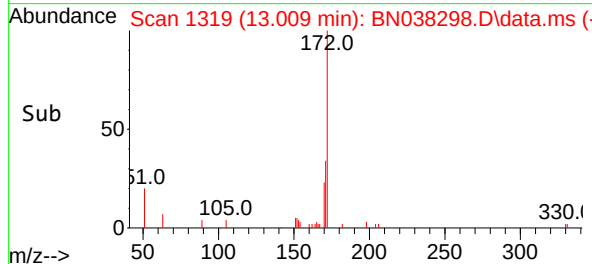
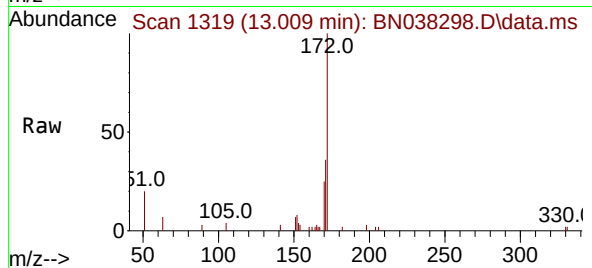




#15
2-Fluorobiphenyl
Concen: 0.101 ng
RT: 13.009 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

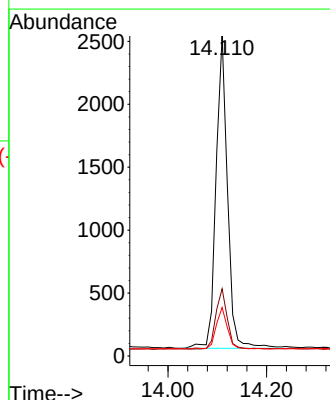
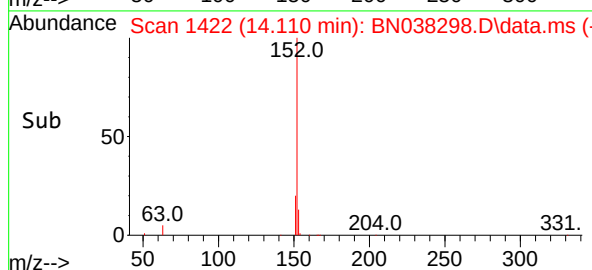
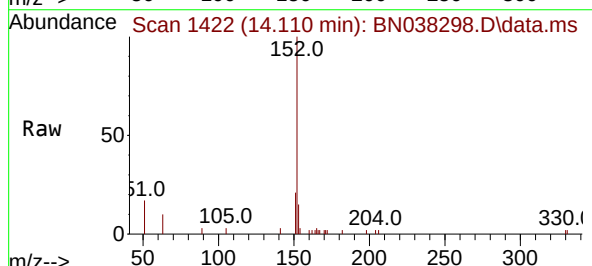
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

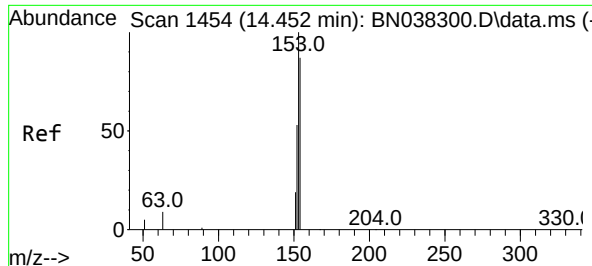
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	24.6	19.3	28.9



#16
Acenaphthylene
Concen: 0.096 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.2
153	13.4	10.2	15.4

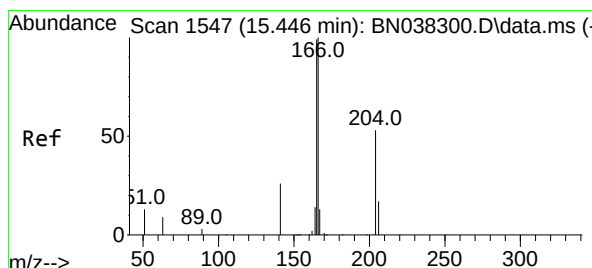
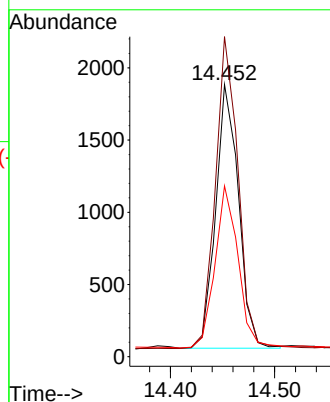
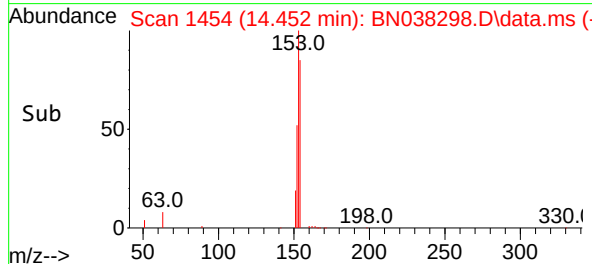
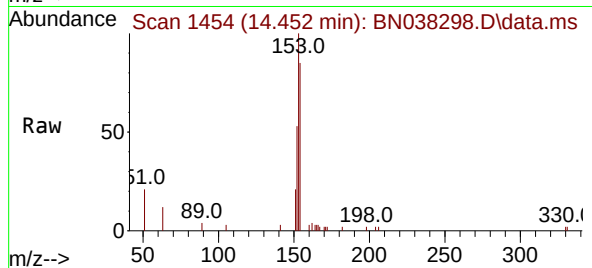




#17
Acenaphthene
Concen: 0.096 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

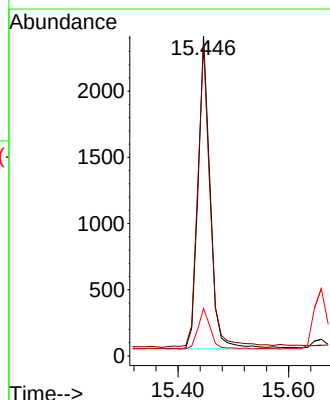
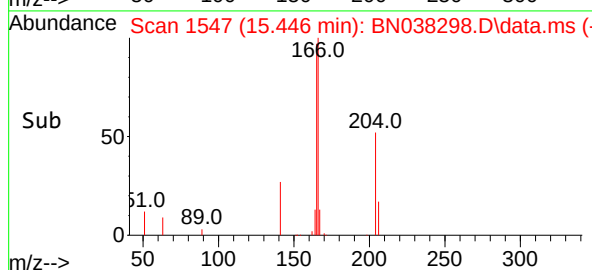
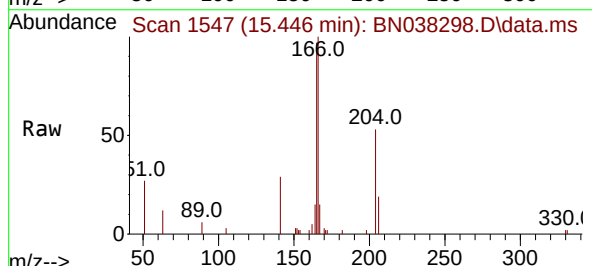
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

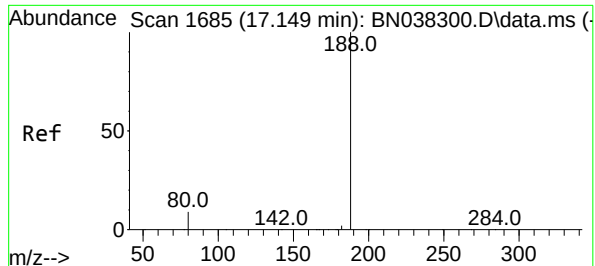
Tgt Ion:154 Resp: 2783
Ion Ratio Lower Upper
154 100
153 118.0 89.8 134.8
152 63.1 47.5 71.3



#18
Fluorene
Concen: 0.102 ng
RT: 15.446 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:166 Resp: 3800
Ion Ratio Lower Upper
166 100
165 98.0 80.2 120.4
167 13.5 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1685

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

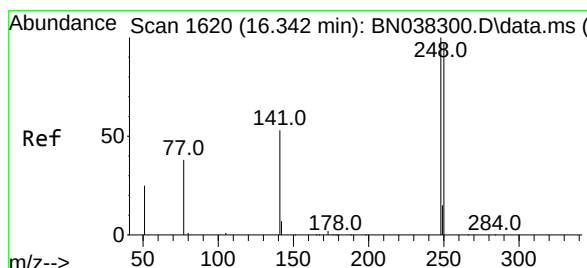
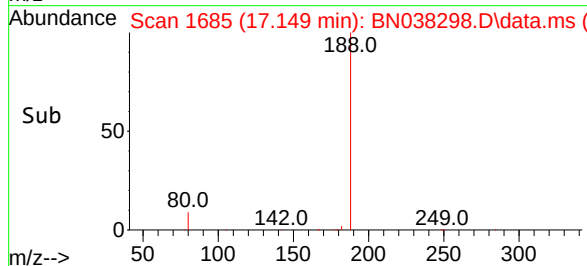
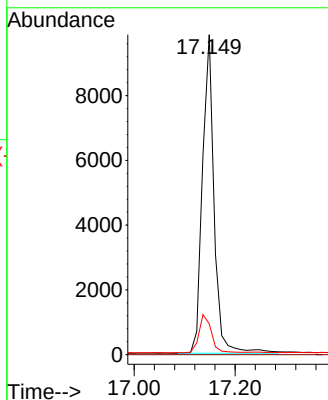
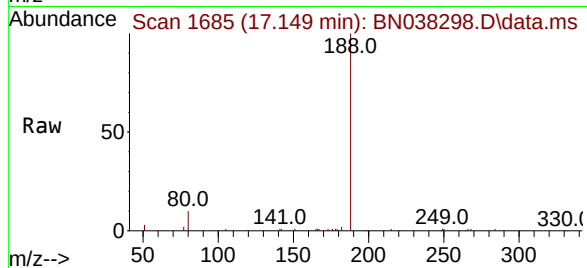
Tgt Ion:188 Resp: 15796

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.7 7.4 11.0



#21

4-Bromophenyl-phenylether

Concen: 0.097 ng

RT: 16.342 min Scan# 1620

Delta R.T. -0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

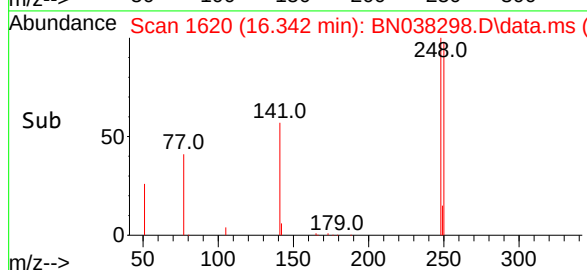
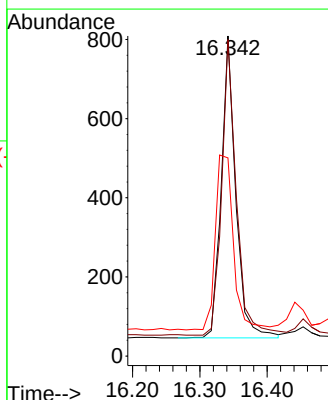
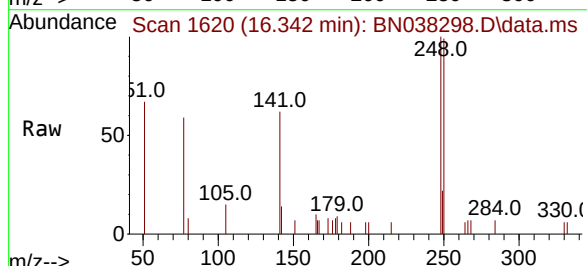
Tgt Ion:248 Resp: 1138

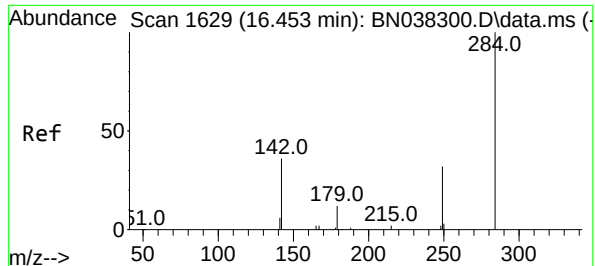
Ion Ratio Lower Upper

248 100

250 98.9 78.2 117.2

141 61.9 43.7 65.5





#22

Hexachlorobenzene

Concen: 0.104 ng

RT: 16.454 min Scan# 1629

Delta R.T. -0.012 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

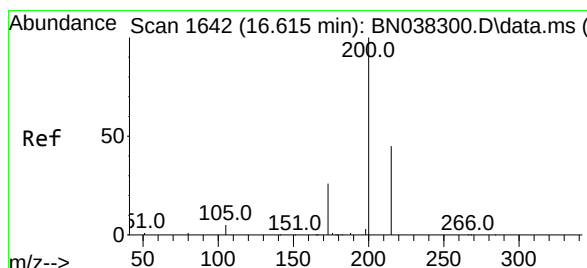
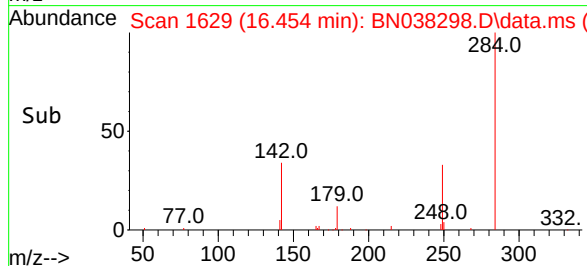
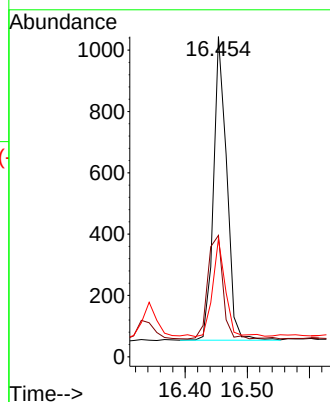
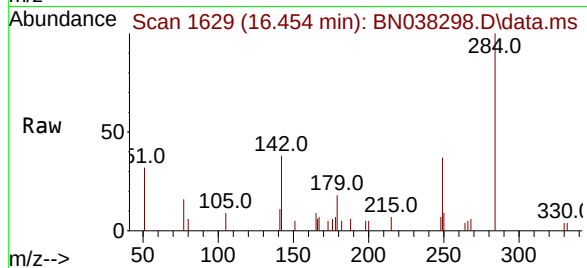
Tgt Ion:284 Resp: 1462

Ion Ratio Lower Upper

284 100

142 39.2 29.5 44.3

249 31.1 23.7 35.5



#23

Atrazine

Concen: 0.091 ng

RT: 16.615 min Scan# 1642

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

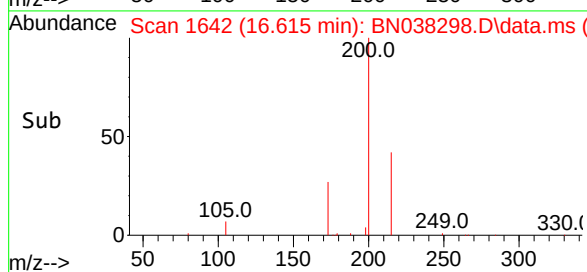
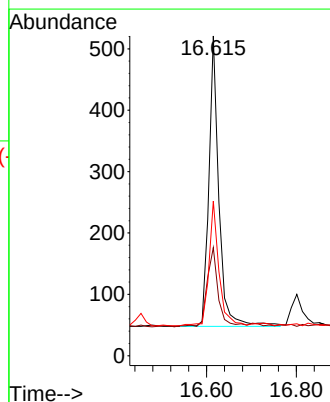
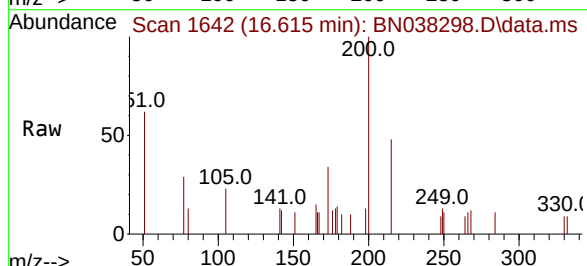
Tgt Ion:200 Resp: 727

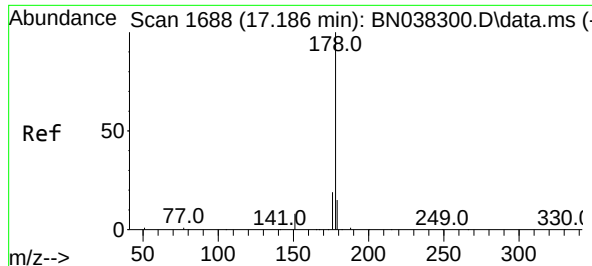
Ion Ratio Lower Upper

200 100

173 33.8 22.1 33.1#

215 48.4 37.4 56.2

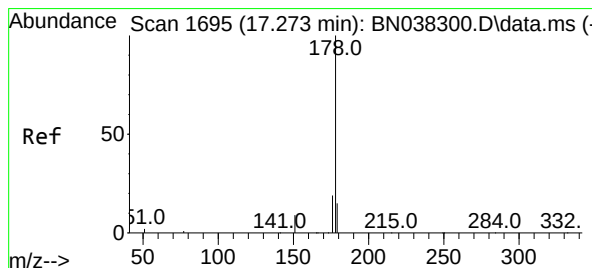
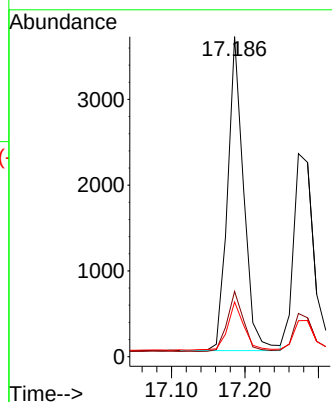
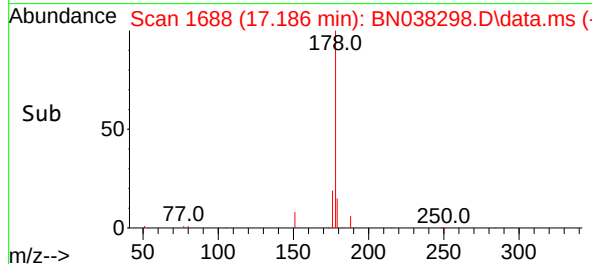
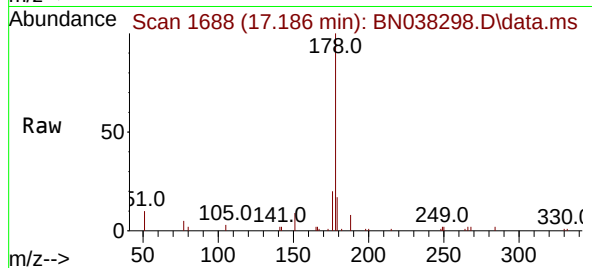




#25
Phenanthrene
Concen: 0.102 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

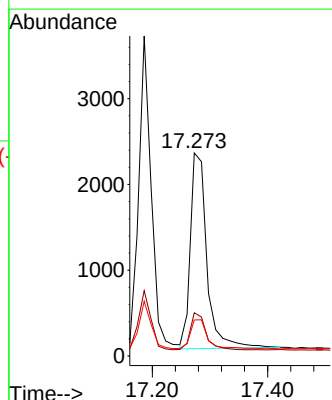
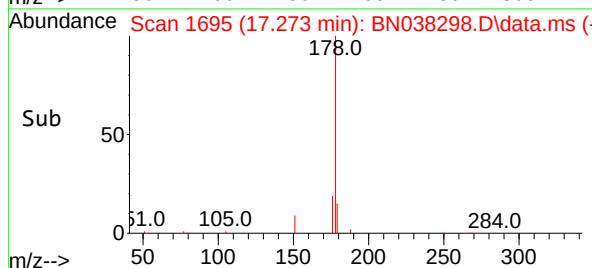
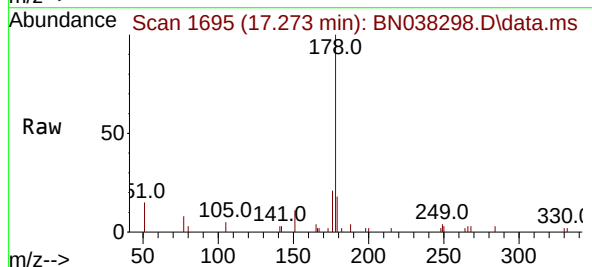
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

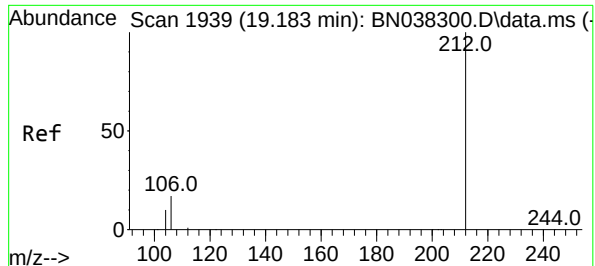
Tgt Ion:178 Resp: 5585
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.6 12.2 18.2



#26
Anthracene
Concen: 0.096 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:178 Resp: 4544
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.9 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.094 ng

RT: 19.188 min Scan# 1940

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

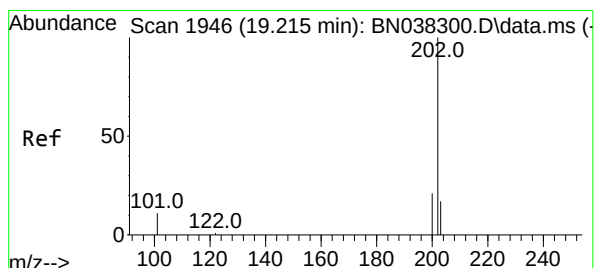
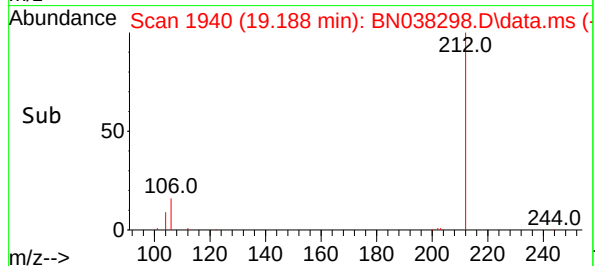
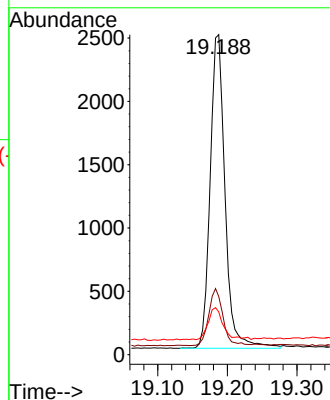
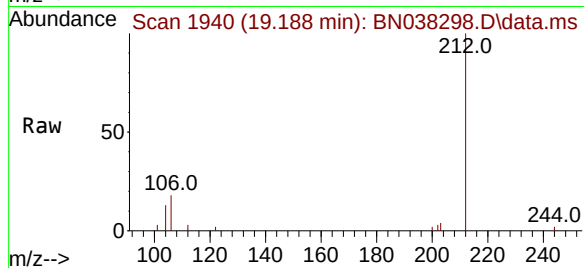
Tgt Ion:212 Resp: 3672

Ion Ratio Lower Upper

212 100

106 17.3 13.7 20.5

104 10.2 7.8 11.8



#28

Fluoranthene

Concen: 0.096 ng

RT: 19.215 min Scan# 1946

Delta R.T. -0.004 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

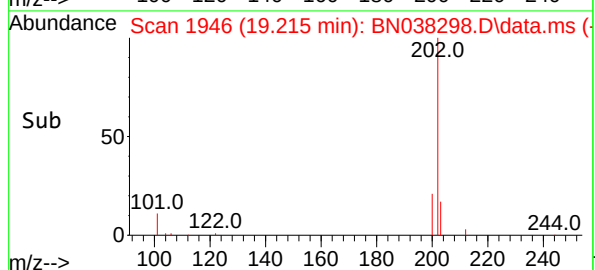
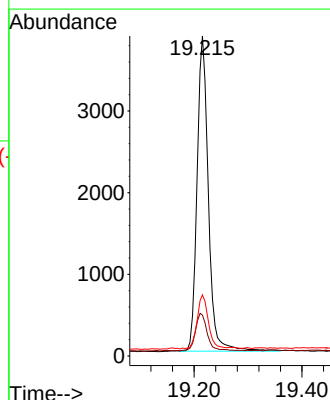
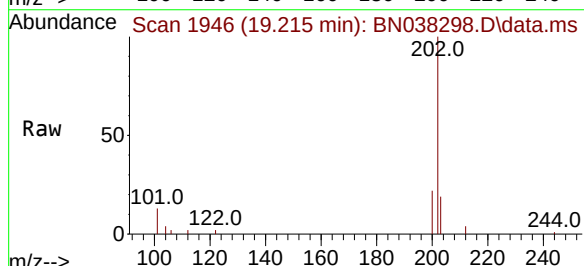
Tgt Ion:202 Resp: 5615

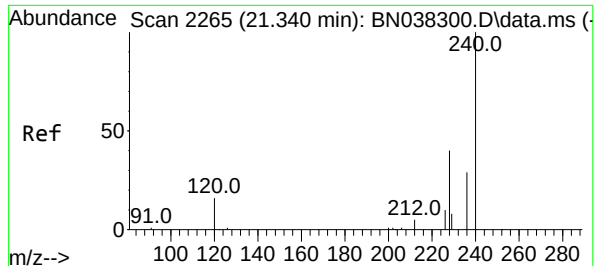
Ion Ratio Lower Upper

202 100

101 12.3 9.6 14.4

203 17.1 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

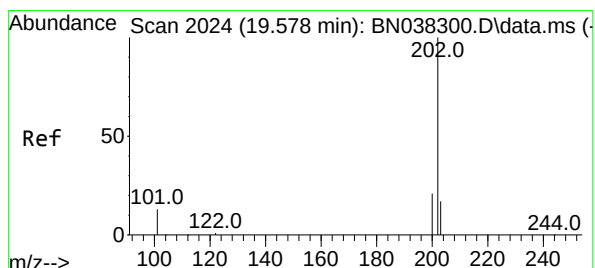
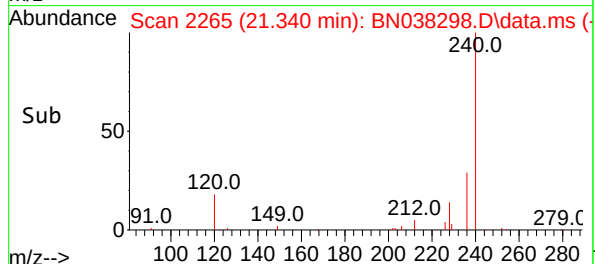
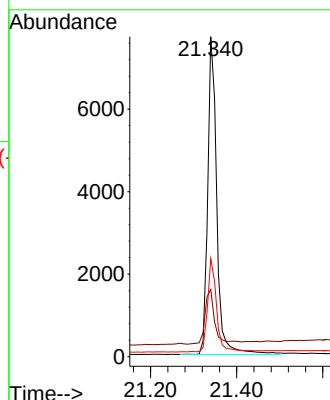
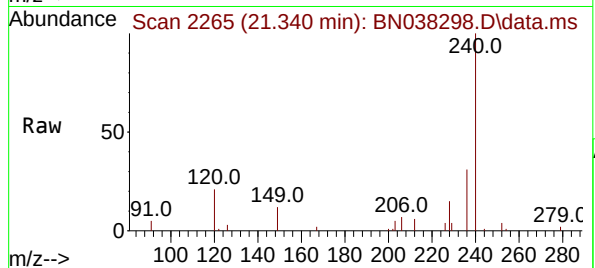
Tgt Ion:240 Resp: 11291

Ion Ratio Lower Upper

240 100

120 21.0 15.4 23.2

236 30.6 23.9 35.9



#30

Pyrene

Concen: 0.103 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.004 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

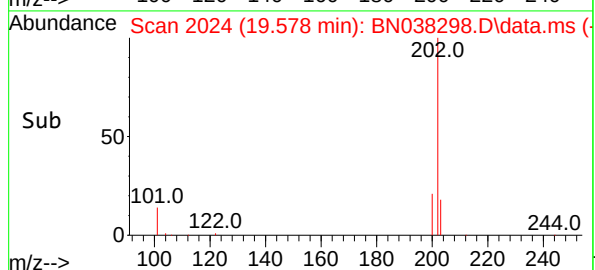
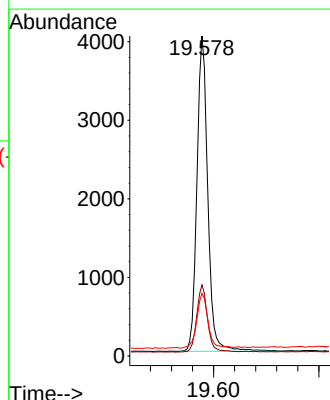
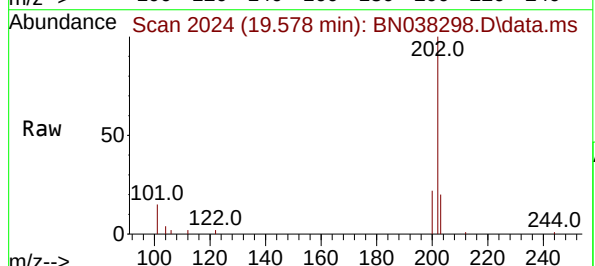
Tgt Ion:202 Resp: 5753

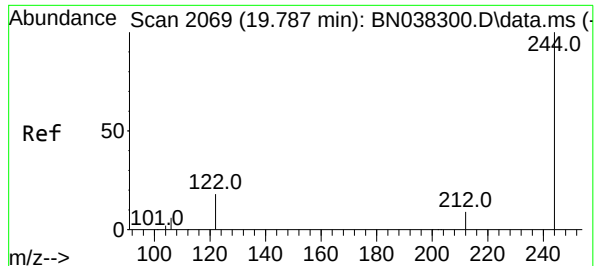
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 18.0 14.2 21.2

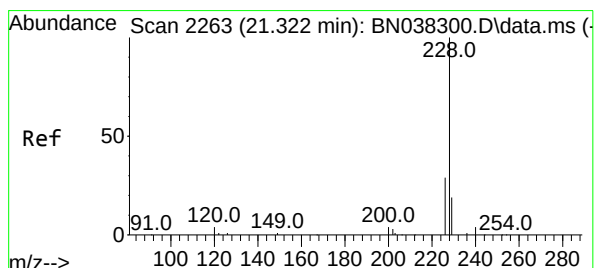
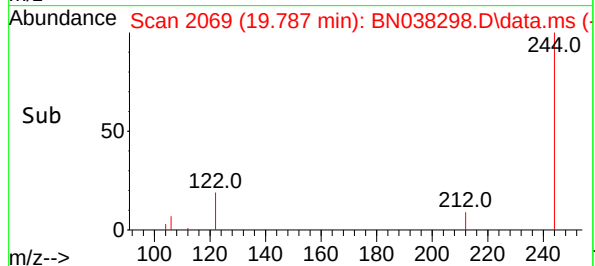
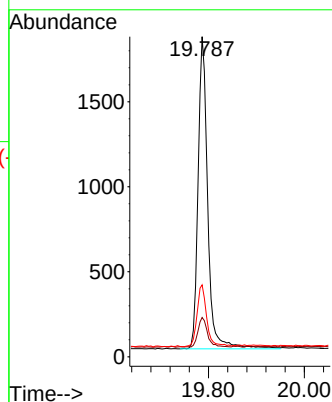
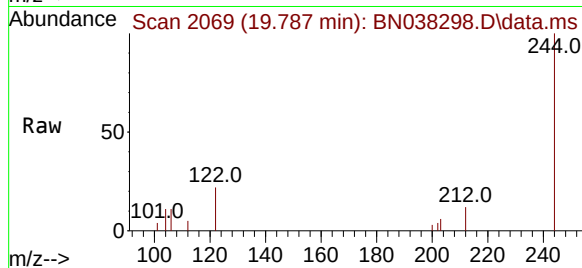




#31
Terphenyl-d14
Concen: 0.102 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.004 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

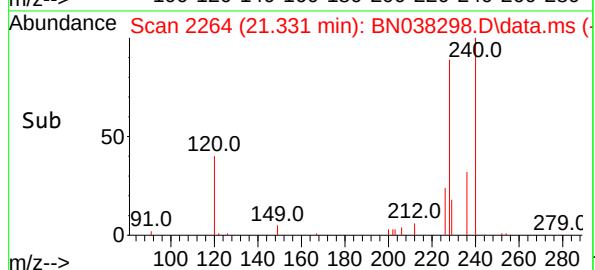
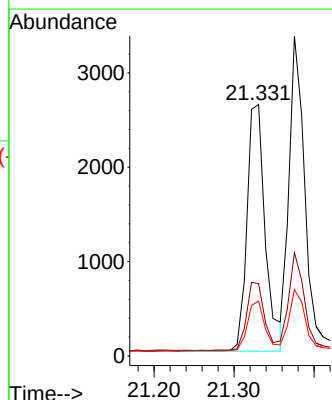
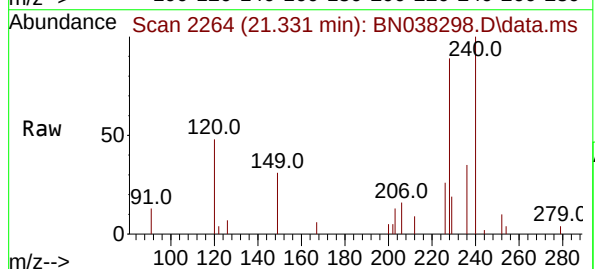
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

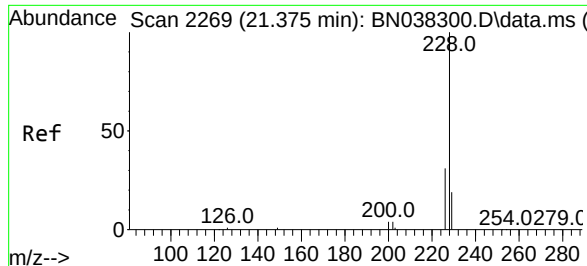
Tgt Ion:244 Resp: 2576
Ion Ratio Lower Upper
244 100
212 12.3 7.9 11.9#
122 22.5 15.0 22.6



#32
Benzo(a)anthracene
Concen: 0.096 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:228 Resp: 4166
Ion Ratio Lower Upper
228 100
226 28.8 23.3 34.9
229 21.8 15.7 23.5





#33

Chrysene

Concen: 0.097 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

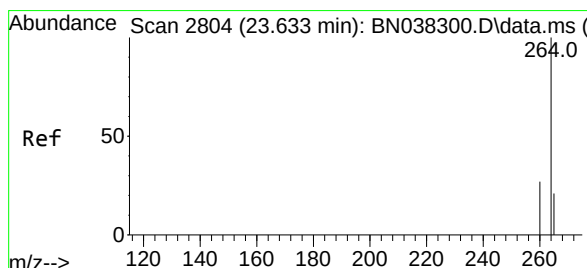
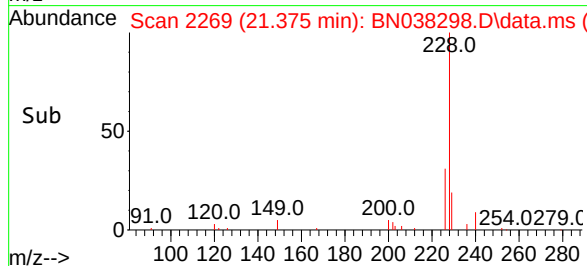
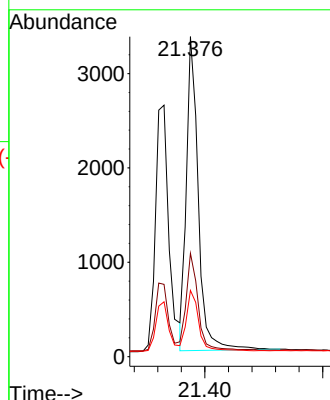
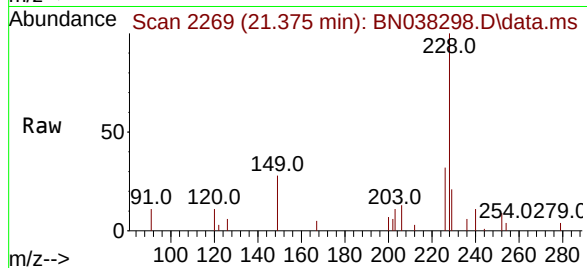
Tgt Ion:228 Resp: 4665

Ion Ratio Lower Upper

228 100

226 32.3 25.0 37.4

229 20.7 15.5 23.3



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.633 min Scan# 2804

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

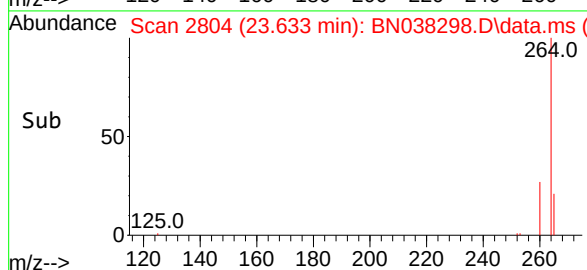
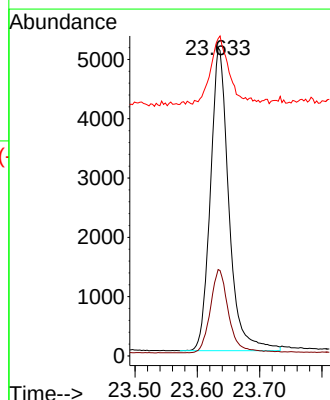
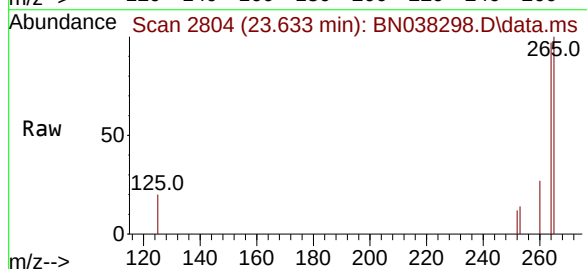
Tgt Ion:264 Resp: 10537

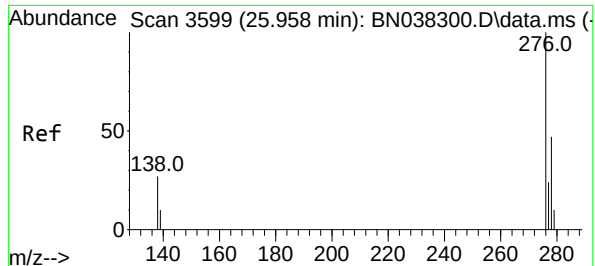
Ion Ratio Lower Upper

264 100

260 28.0 22.2 33.2

265 102.9 80.2 120.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.085 ng

RT: 25.967 min Scan# 30

Delta R.T. 0.003 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

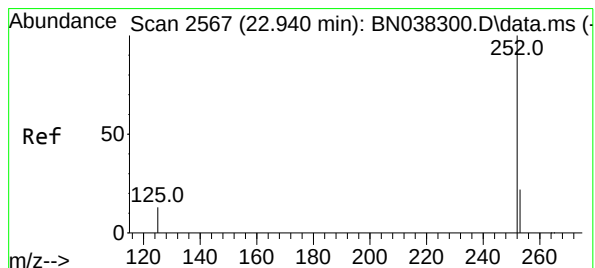
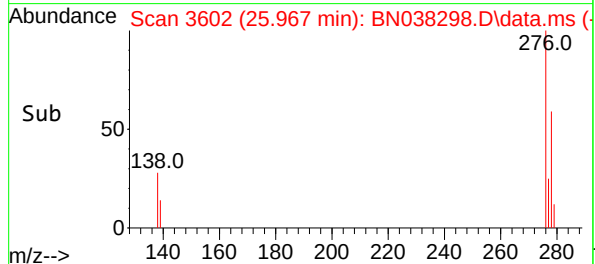
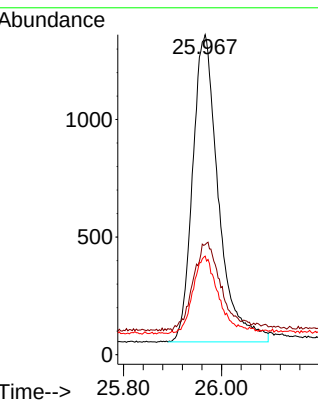
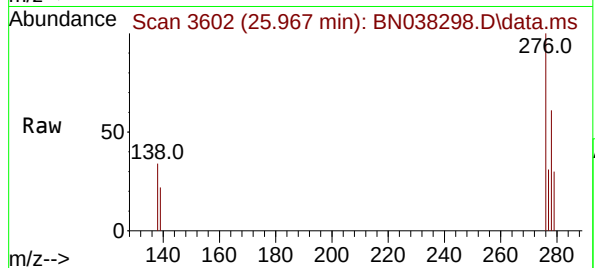
Tgt Ion:276 Resp: 4777

Ion Ratio Lower Upper

276 100

138 30.4 23.6 35.4

277 23.2 19.7 29.5



#37

Benzo(b)fluoranthene

Concen: 0.091 ng

RT: 22.943 min Scan# 2568

Delta R.T. -0.003 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

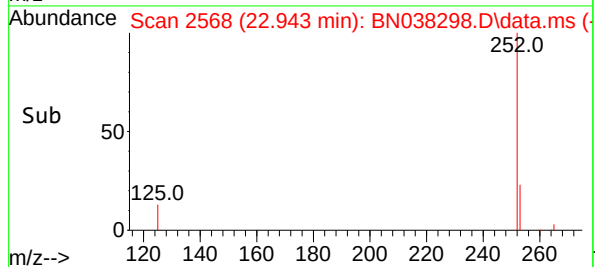
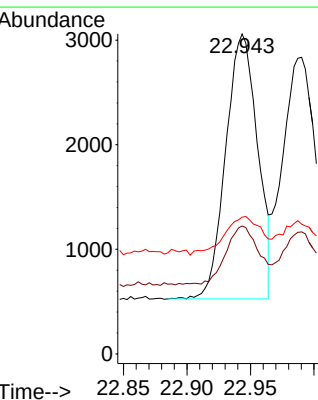
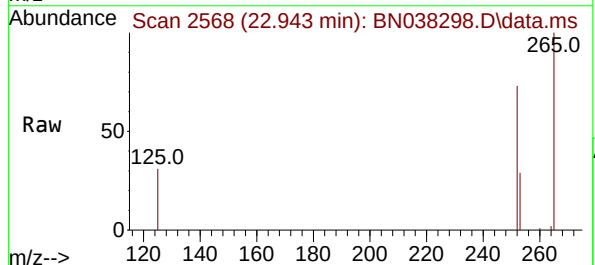
Tgt Ion:252 Resp: 4408

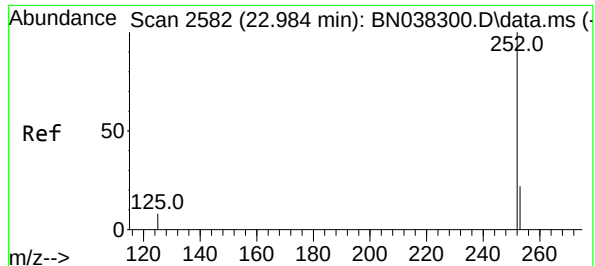
Ion Ratio Lower Upper

252 100

253 40.0 21.1 31.7#

125 42.7 16.4 24.6#





#38

Benzo(k)fluoranthene

Concen: 0.087 ng

RT: 22.990 min Scan# 2584

Delta R.T. 0.000 min

Lab File: BN038298.D

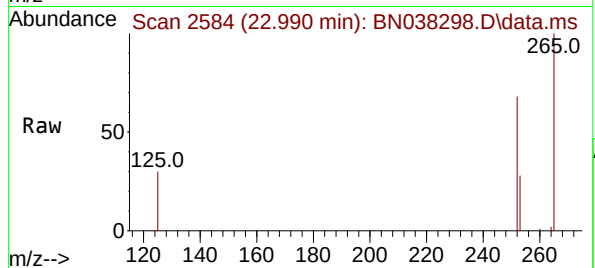
Acq: 10 Dec 2025 09:52

Instrument :

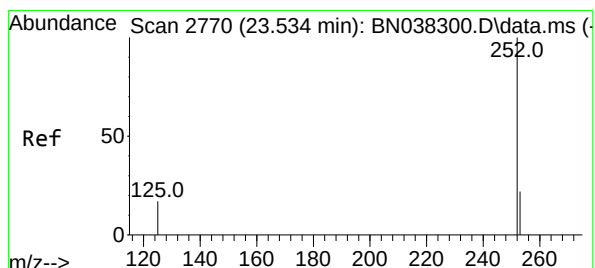
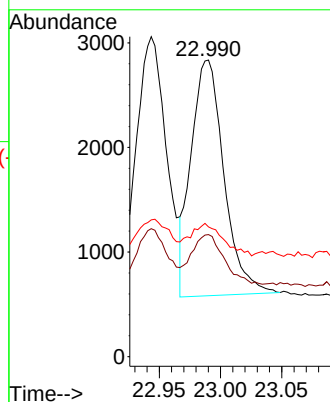
BNA_N

ClientSampleId :

SSTDICC0.1



Tgt Ion:252	Resp:	4206
Ion	Ratio	Lower Upper
252	100	
253	41.1	21.4 32.0#
125	43.7	16.2 24.2#



#39

Benzo(a)pyrene

Concen: 0.090 ng

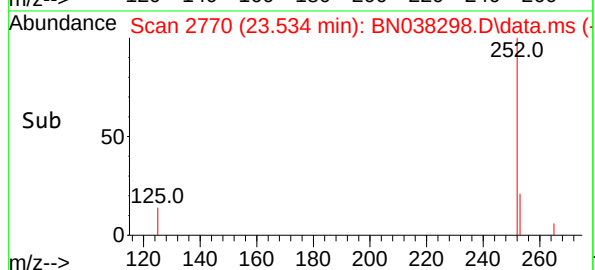
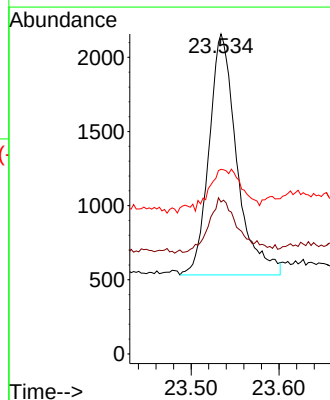
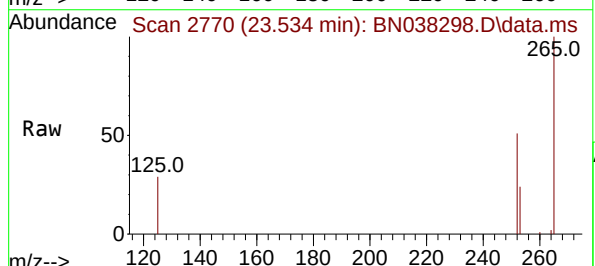
RT: 23.534 min Scan# 2770

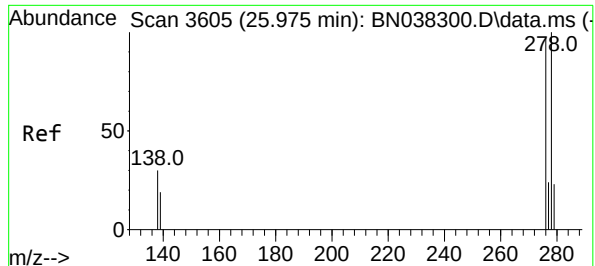
Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Tgt Ion:252	Resp:	3570
Ion	Ratio	Lower Upper
252	100	
253	47.5	23.3 34.9#
125	57.7	22.4 33.6#





#40

Dibenzo(a,h)anthracene

Concen: 0.085 ng

RT: 25.987 min Scan# 3609

Delta R.T. 0.006 min

Lab File: BN038298.D

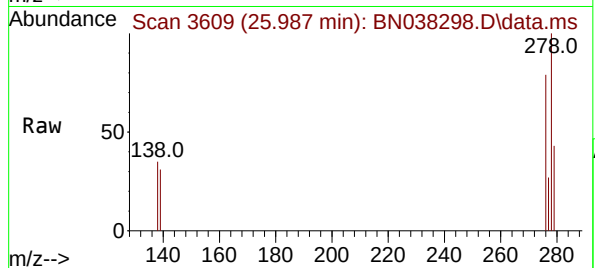
Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1



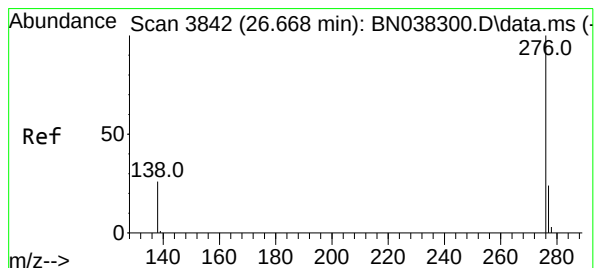
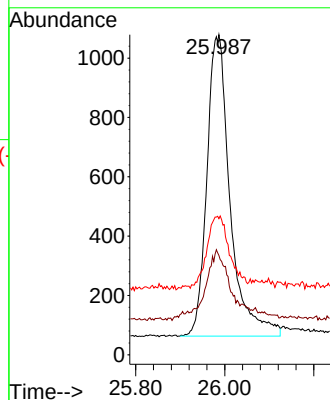
Tgt Ion:278 Resp: 3677

Ion Ratio Lower Upper

278 100

139 31.0 17.8 26.8#

279 42.5 21.3 31.9#



#41

Benzo(g,h,i)perylene

Concen: 0.089 ng

RT: 26.671 min Scan# 3843

Delta R.T. -0.006 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

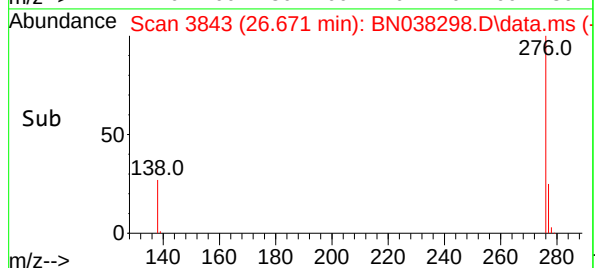
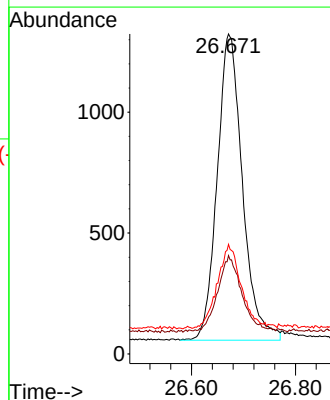
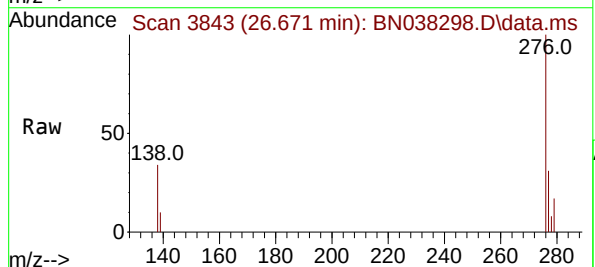
Tgt Ion:276 Resp: 4274

Ion Ratio Lower Upper

276 100

277 30.7 20.0 30.0#

138 34.2 21.8 32.6#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038299.D
 Acq On : 10 Dec 2025 10:28
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Quant Time: Dec 10 13:59:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

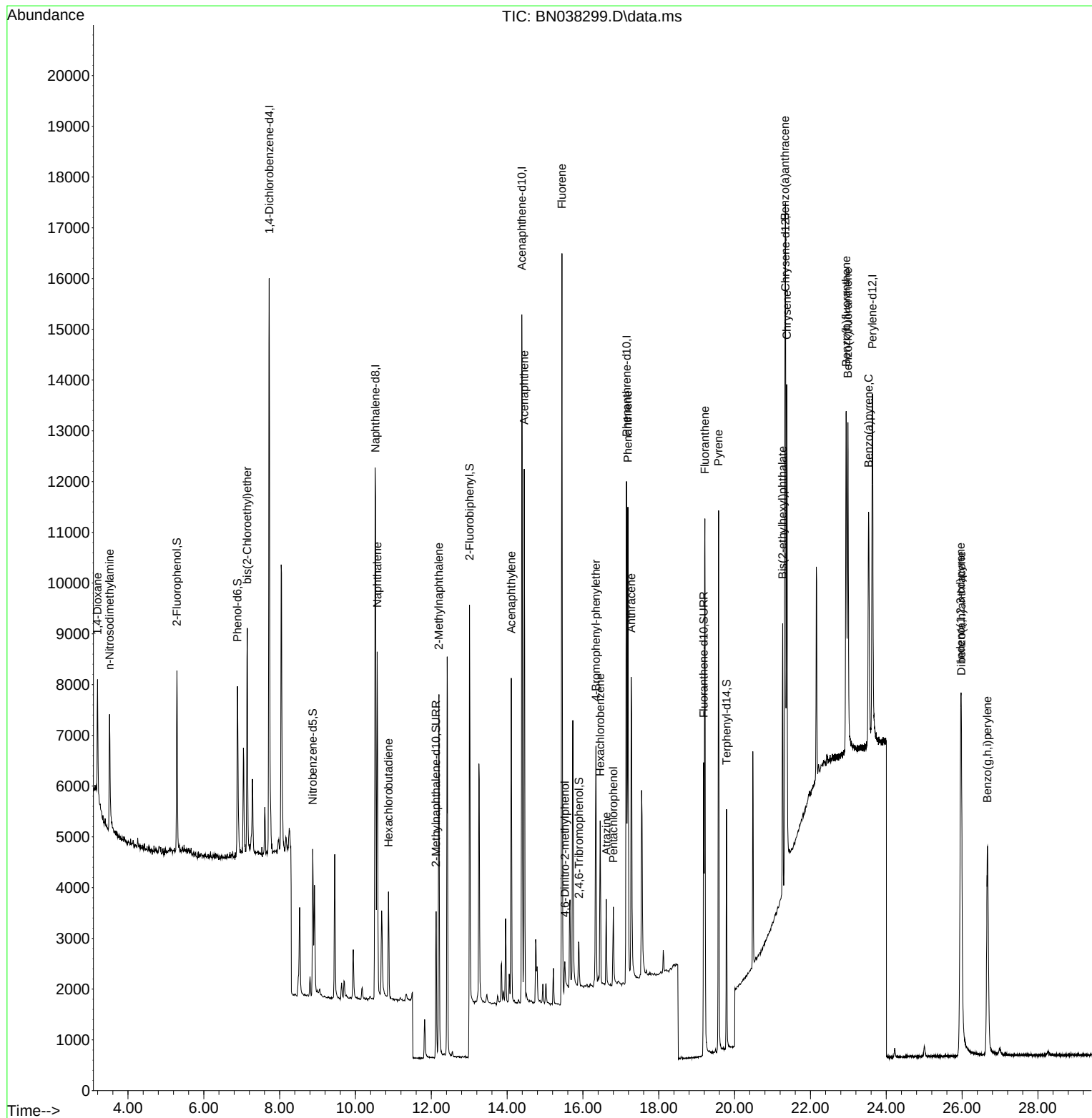
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5832	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	15274	0.400	ng	0.00
13) Acenaphthene-d10	14.388	164	7698	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	13779	0.400	ng	0.00
29) Chrysene-d12	21.340	240	10001	0.400	ng	0.00
35) Perylene-d12	23.636	264	9929	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	3015	0.208	ng	0.00
5) Phenol-d6	6.887	99	3373	0.195	ng	0.00
8) Nitrobenzene-d5	8.875	82	2478	0.192	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	4184	0.194	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	624	0.183	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	7511	0.203	ng	0.00
27) Fluoranthene-d10	19.183	212	6525	0.191	ng	0.00
31) Terphenyl-d14	19.787	244	4585	0.205	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	1475	0.221	ng	97
3) n-Nitrosodimethylamine	3.514	42	1649	0.197	ng	# 97
6) bis(2-Chloroethyl)ether	7.147	93	3414	0.202	ng	99
9) Naphthalene	10.573	128	9052	0.200	ng	98
10) Hexachlorobutadiene	10.872	225	1628	0.203	ng	# 100
12) 2-Methylnaphthalene	12.202	142	5611	0.196	ng	99
16) Acenaphthylene	14.110	152	7256	0.192	ng	99
17) Acenaphthene	14.452	154	5115	0.194	ng	98
18) Fluorene	15.446	166	6474	0.191	ng	100
20) 4,6-Dinitro-2-methylph...	15.523	198	373	0.165	ng	# 43
21) 4-Bromophenyl-phenylether	16.342	248	2003	0.196	ng	98
22) Hexachlorobenzene	16.453	284	2521	0.205	ng	99
23) Atrazine	16.615	200	1351	0.194	ng	99
24) Pentachlorophenol	16.801	266	853	0.178	ng	98
25) Phenanthrene	17.186	178	9460	0.197	ng	100
26) Anthracene	17.273	178	7793	0.188	ng	100
28) Fluoranthene	19.215	202	9737	0.191	ng	99
30) Pyrene	19.578	202	9841	0.200	ng	100
32) Benzo(a)anthracene	21.331	228	7688	0.199	ng	97
33) Chrysene	21.375	228	8559	0.201	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	5010	0.236	ng	98
36) Indeno(1,2,3-cd)pyrene	25.963	276	10127	0.192	ng	98
37) Benzo(b)fluoranthene	22.943	252	9091	0.199	ng	# 84
38) Benzo(k)fluoranthene	22.987	252	8902	0.196	ng	# 84
39) Benzo(a)pyrene	23.534	252	7243	0.194	ng	# 80
40) Dibenzo(a,h)anthracene	25.981	278	7551	0.186	ng	# 93
41) Benzo(g,h,i)perylene	26.668	276	9018	0.199	ng	97

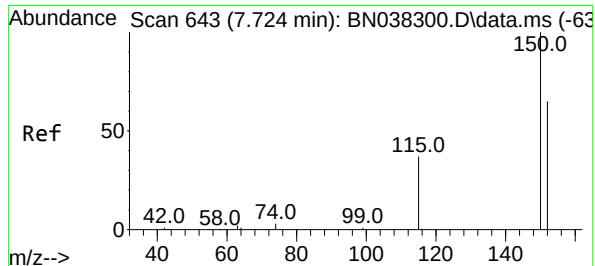
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
Data File : BN038299.D
Acq On : 10 Dec 2025 10:28
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Dec 10 13:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

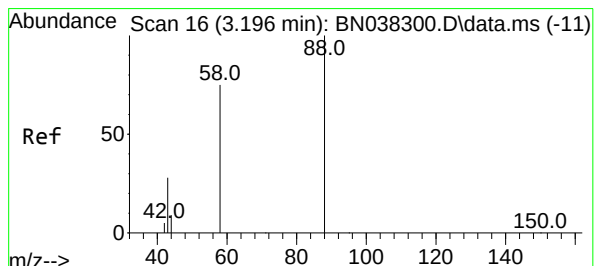
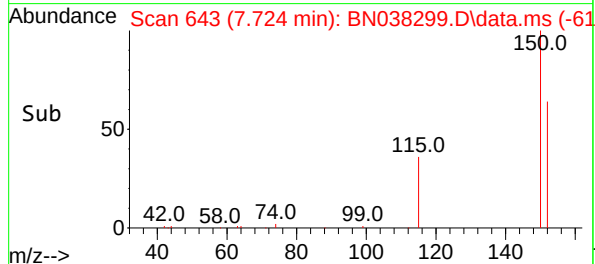
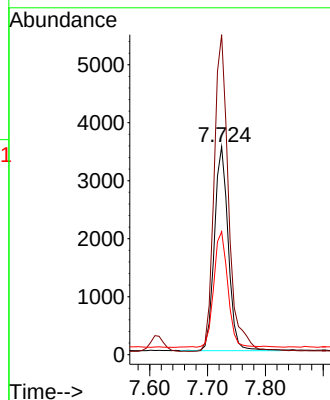
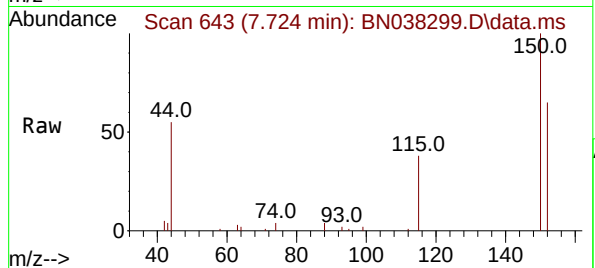




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

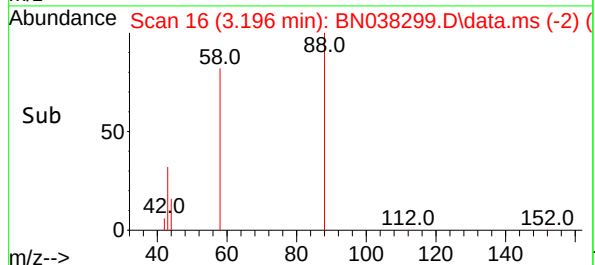
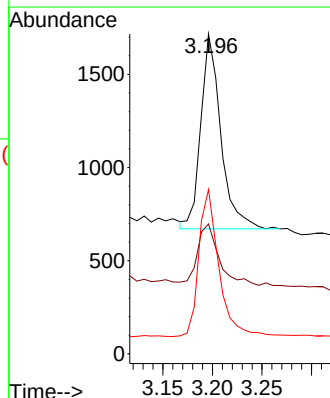
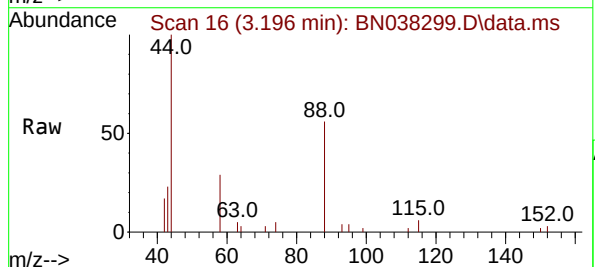
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

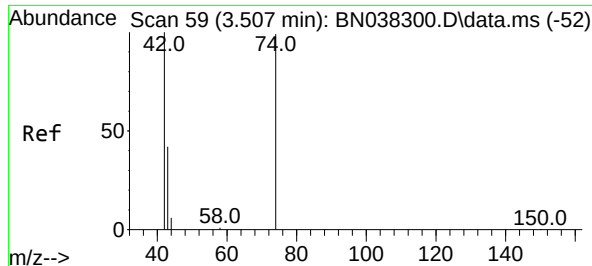
Tgt Ion:152 Resp: 5832
Ion Ratio Lower Upper
152 100
150 153.9 122.4 183.6
115 59.2 47.3 70.9



#2
1,4-Dioxane
Concen: 0.221 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion: 88 Resp: 1475
Ion Ratio Lower Upper
88 100
43 34.4 24.9 37.3
58 75.5 61.4 92.0

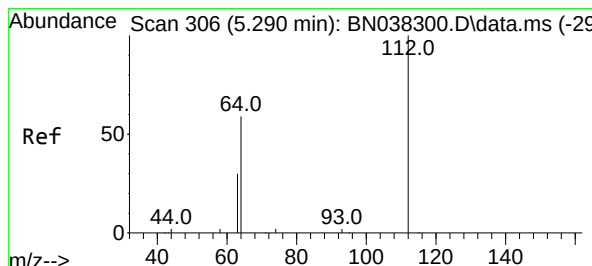
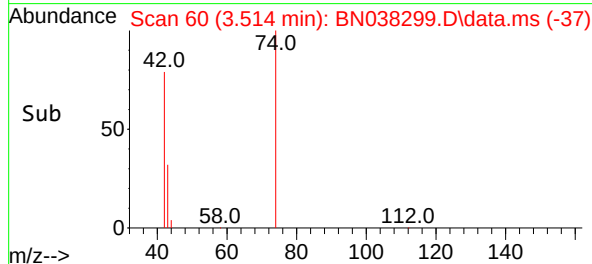
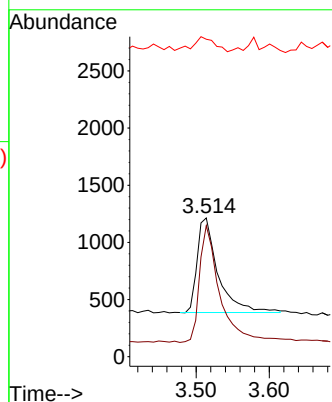
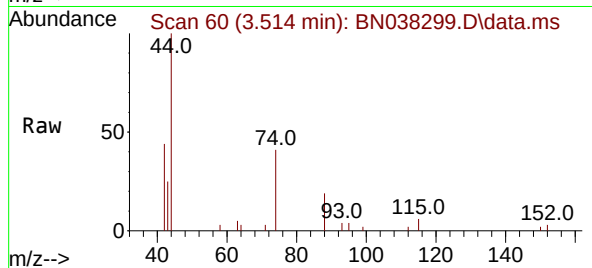




#3
n-Nitrosodimethylamine
Concen: 0.197 ng
RT: 3.514 min Scan# 60
Delta R.T. 0.014 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

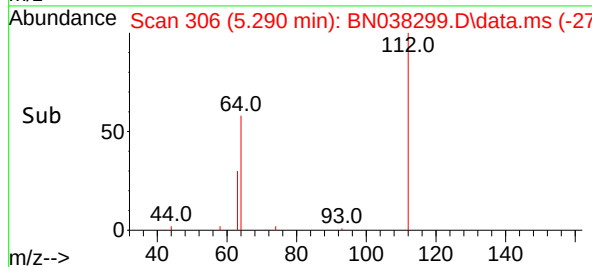
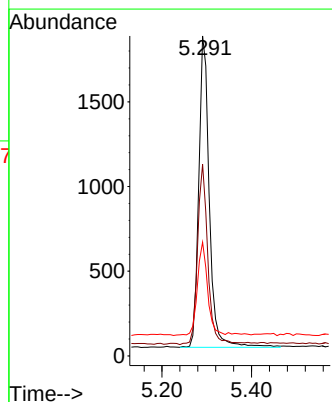
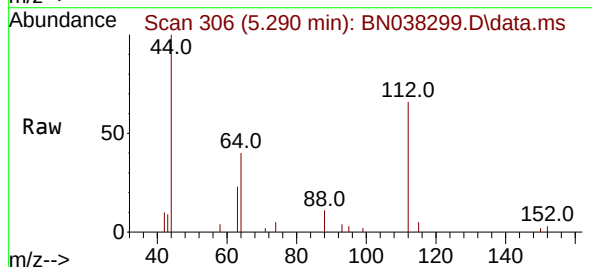
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

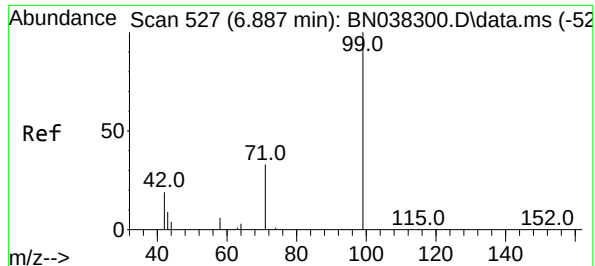
Tgt Ion: 42 Resp: 1649
Ion Ratio Lower Upper
42 100
74 121.1 95.3 142.9
44 15.8 7.9 11.9#



#4
2-Fluorophenol
Concen: 0.208 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion: 112 Resp: 3015
Ion Ratio Lower Upper
112 100
64 56.3 44.4 66.6
63 28.7 23.4 35.0

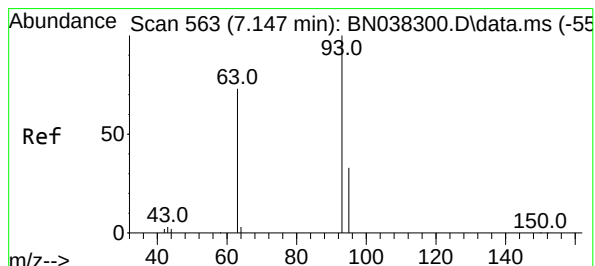
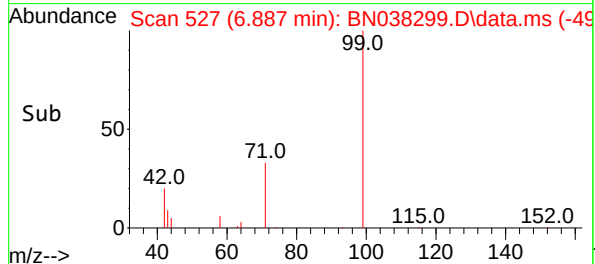
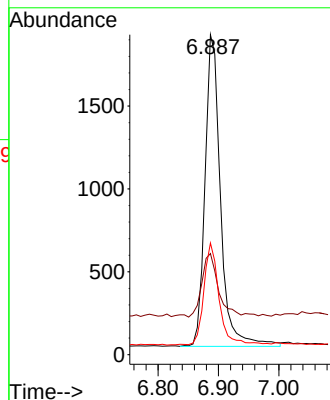
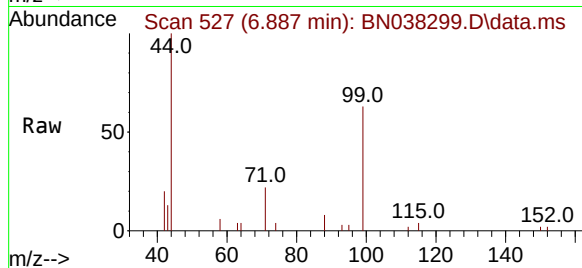




#5
Phenol-d6
Concen: 0.195 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

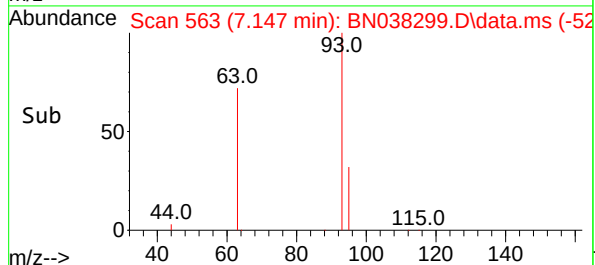
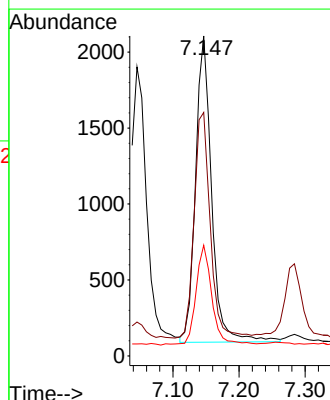
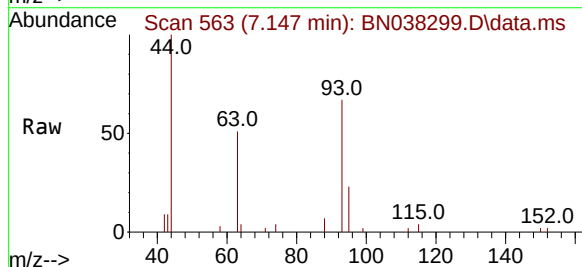
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

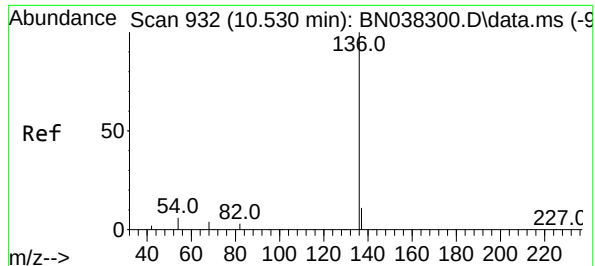
Tgt Ion: 99 Resp: 3373
Ion Ratio Lower Upper
99 100
42 22.7 16.5 24.7
71 32.4 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 0.202 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion: 93 Resp: 3414
Ion Ratio Lower Upper
93 100
63 73.9 59.2 88.8
95 32.5 25.2 37.8

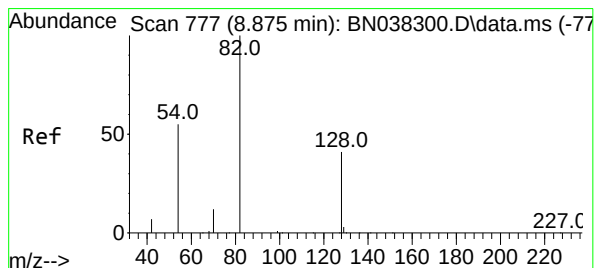
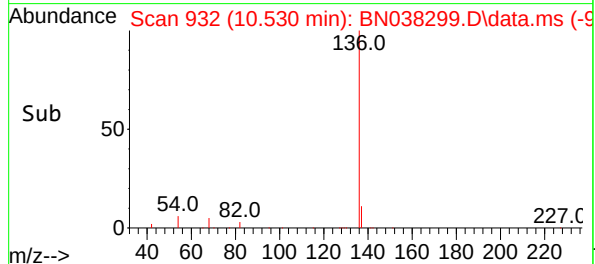
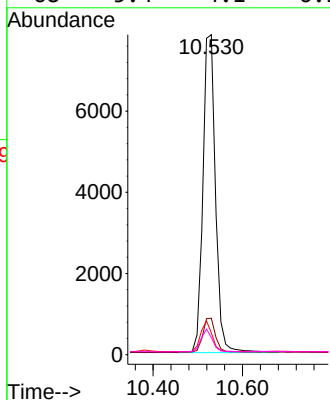
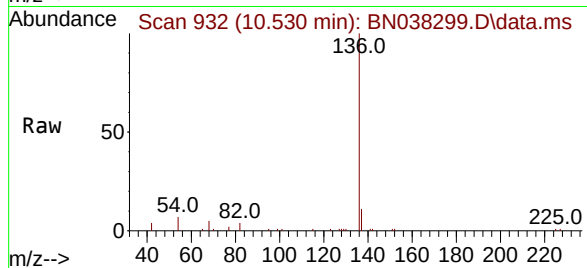




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

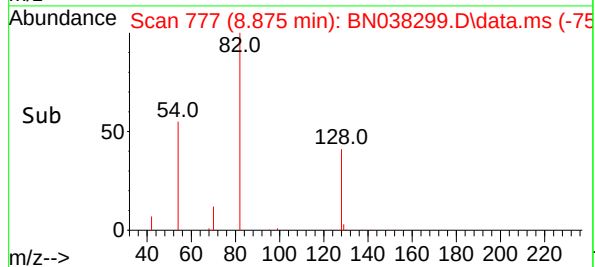
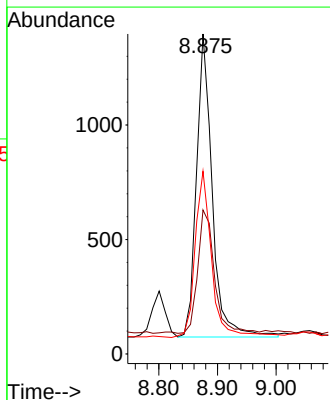
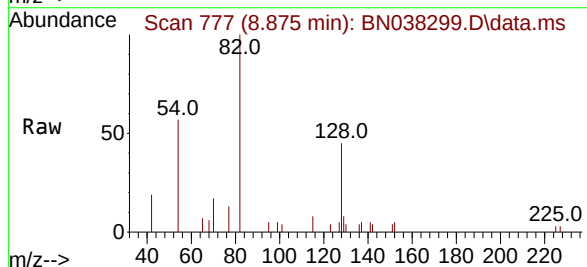
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

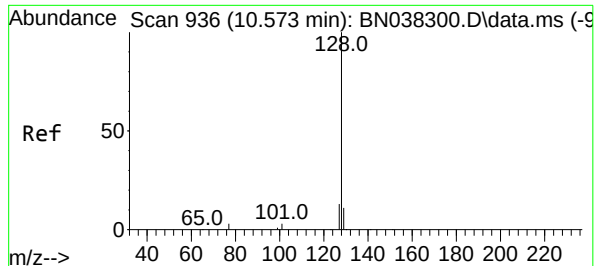
Tgt Ion:136	Resp:	15274
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.1 13.7
54	6.8	5.2 7.8
68	5.4	4.1 6.1



#8
Nitrobenzene-d5
Concen: 0.192 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion: 82	Resp:	2478
Ion Ratio	Lower	Upper
82	100	
128	45.0	34.0 51.0
54	57.1	44.4 66.6

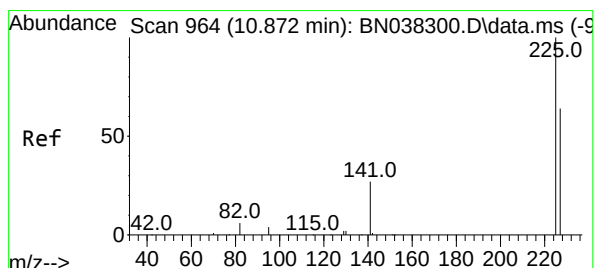
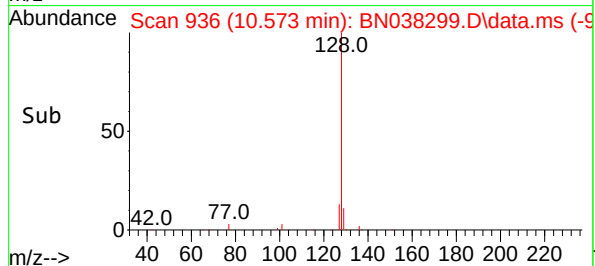
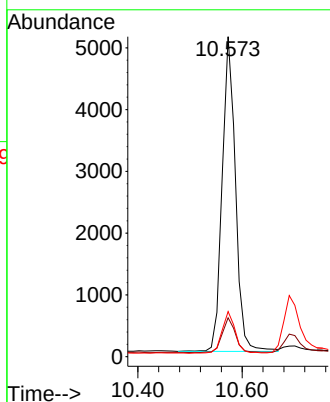
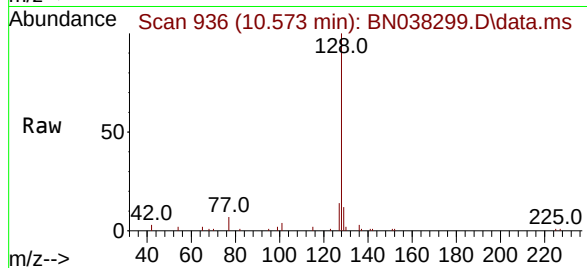




#9
Naphthalene
Concen: 0.200 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

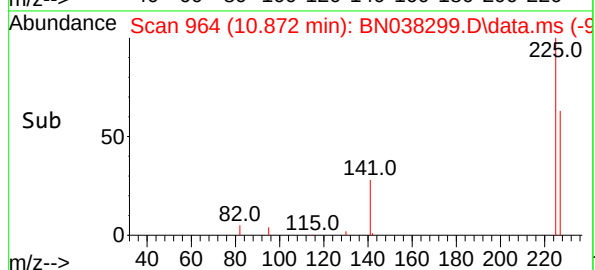
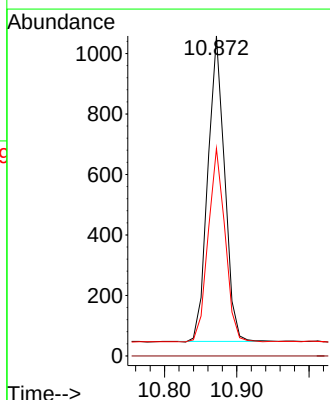
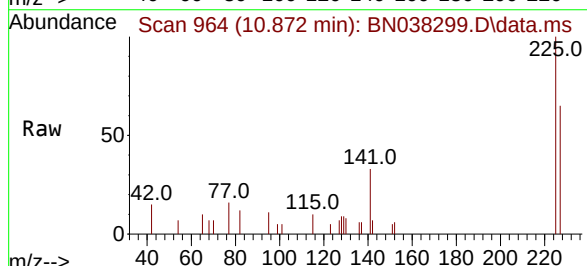
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

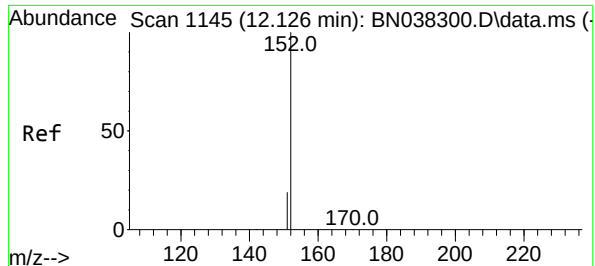
Tgt Ion:128 Resp: 9052
Ion Ratio Lower Upper
128 100
129 12.1 9.1 13.7
127 14.1 10.9 16.3



#10
Hexachlorobutadiene
Concen: 0.203 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion:225 Resp: 1628
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 51.2 76.8

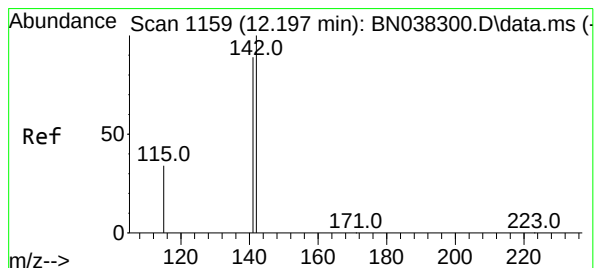
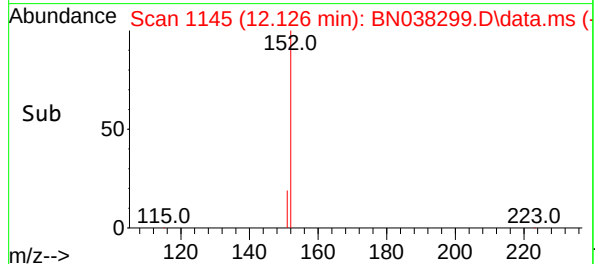
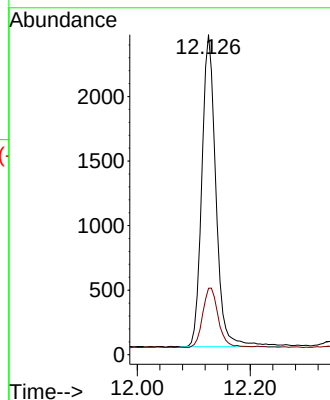
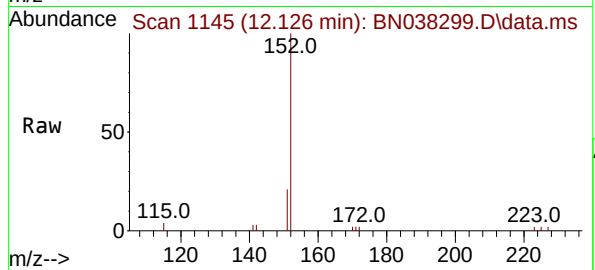




#11
2-Methylnaphthalene-d10
Concen: 0.194 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

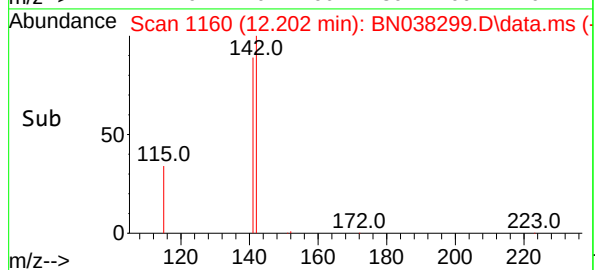
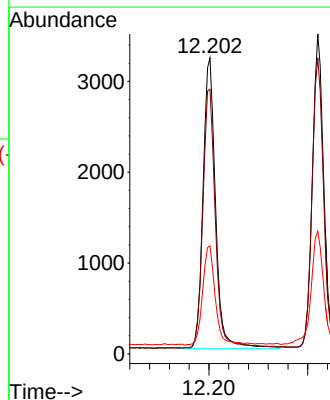
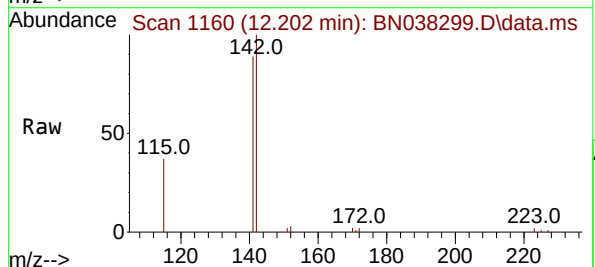
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

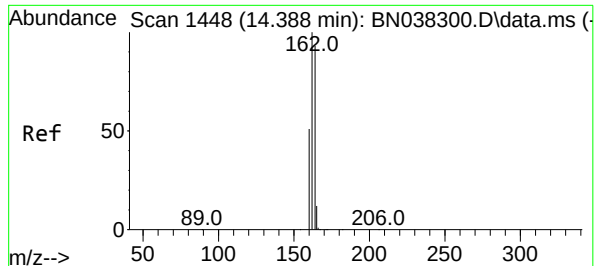
Tgt Ion:152 Resp: 4184
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.196 ng
RT: 12.202 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion:142 Resp: 5611
Ion Ratio Lower Upper
142 100
141 89.4 71.4 107.2
115 36.5 28.4 42.6

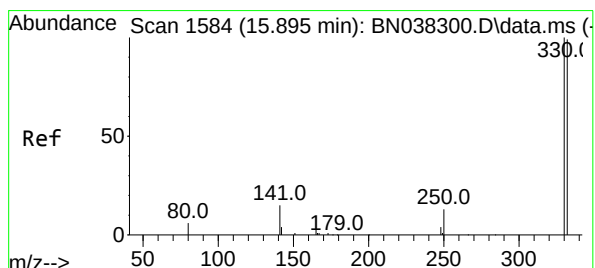
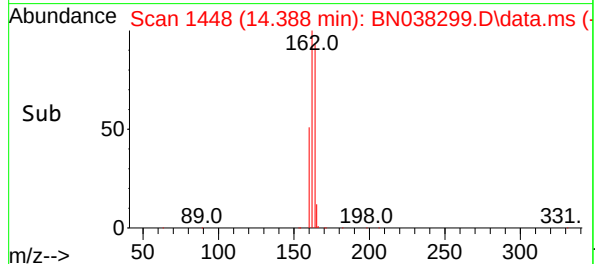
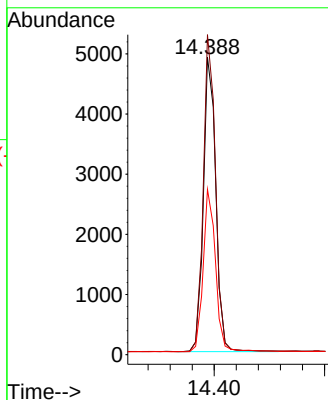
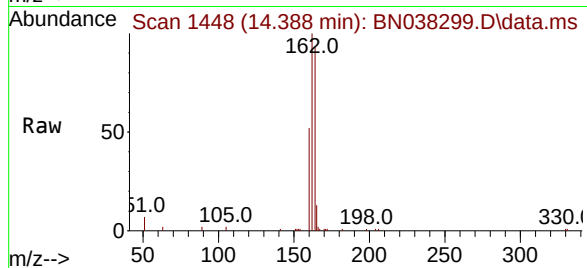




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

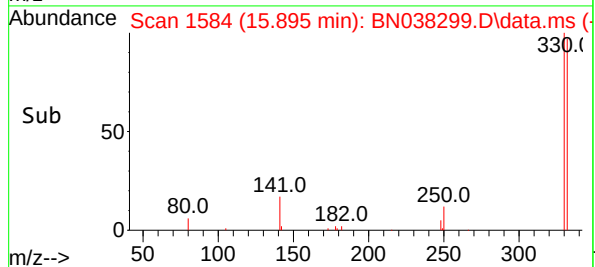
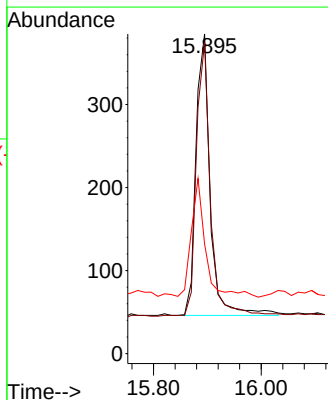
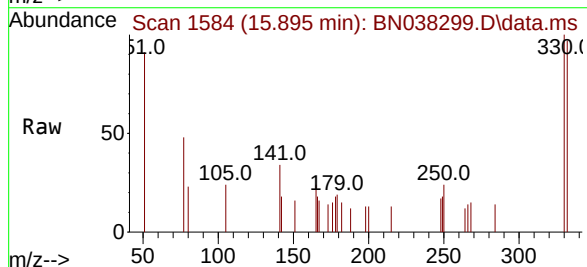
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

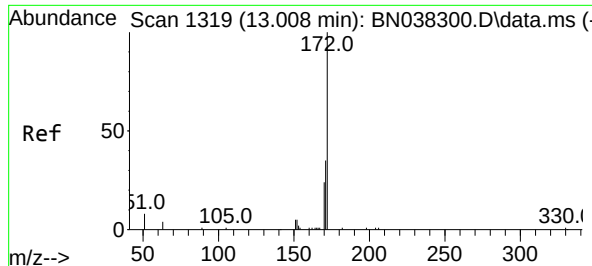
Tgt Ion:164 Resp: 7698
Ion Ratio Lower Upper
164 100
162 107.6 86.2 129.4
160 55.6 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.183 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion:330 Resp: 624
Ion Ratio Lower Upper
330 100
332 96.2 75.8 113.6
141 41.7 31.8 47.8

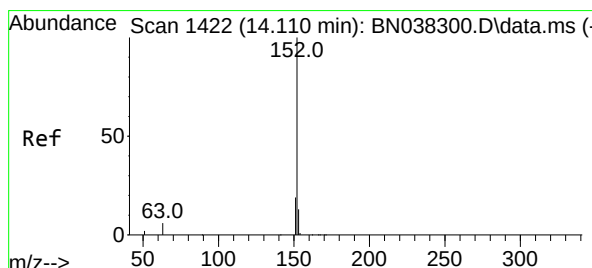
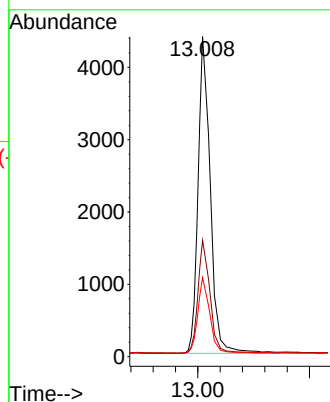
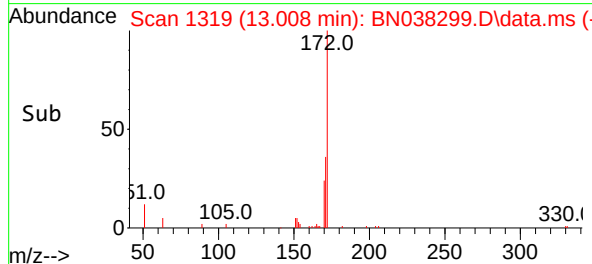
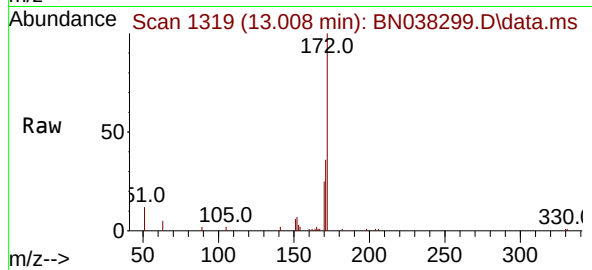




#15
2-Fluorobiphenyl
Concen: 0.203 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

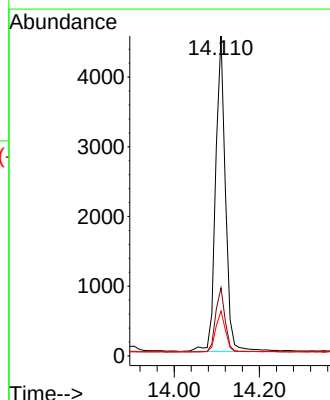
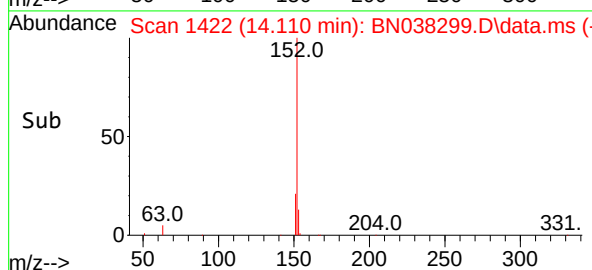
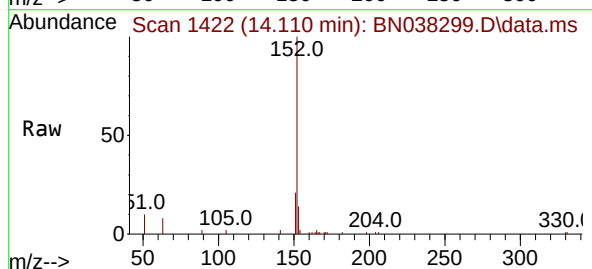
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

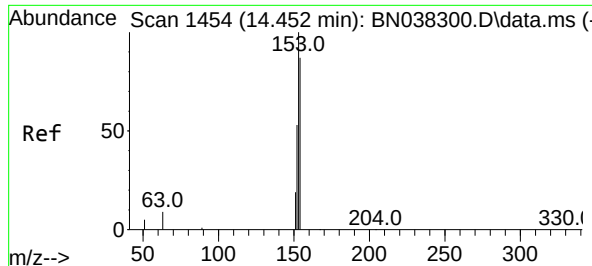
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	42.8
170	24.7	19.3	28.9



#16
Acenaphthylene
Concen: 0.192 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	12.9	10.2	15.4

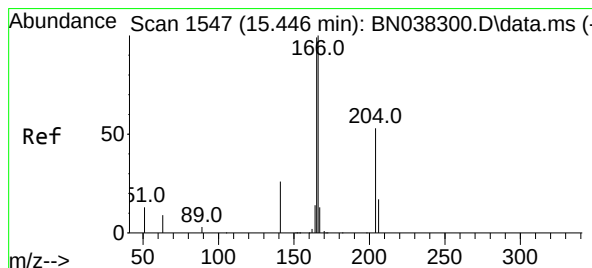
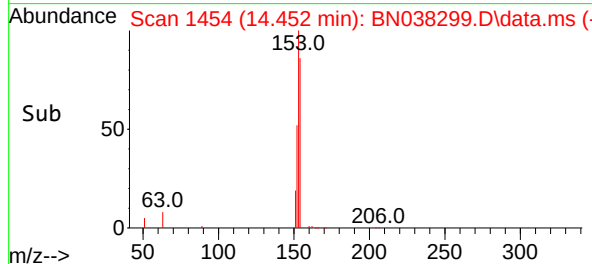
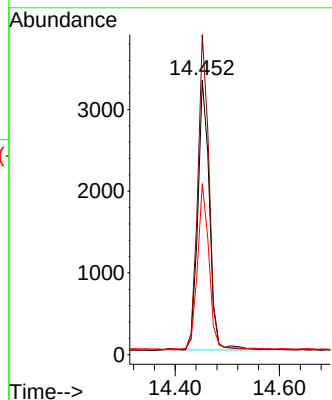
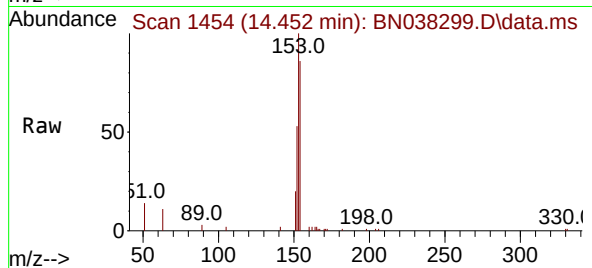




#17
Acenaphthene
Concen: 0.194 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

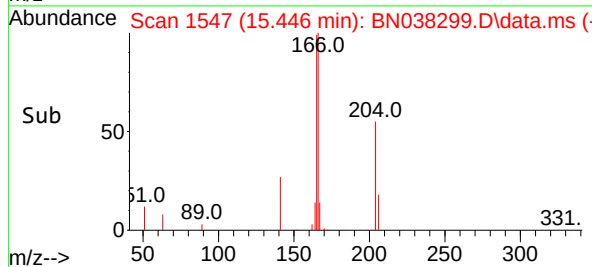
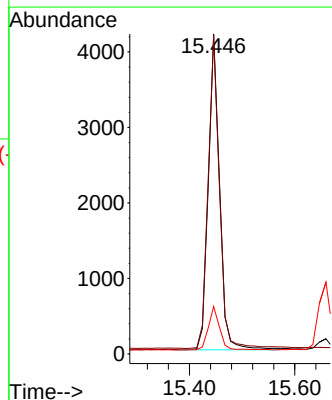
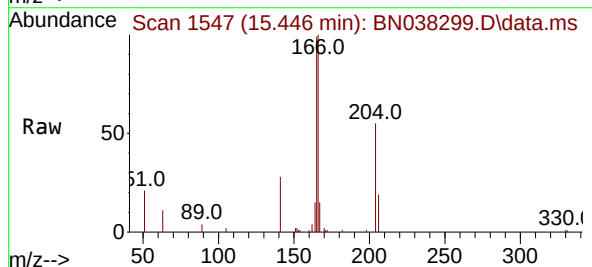
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

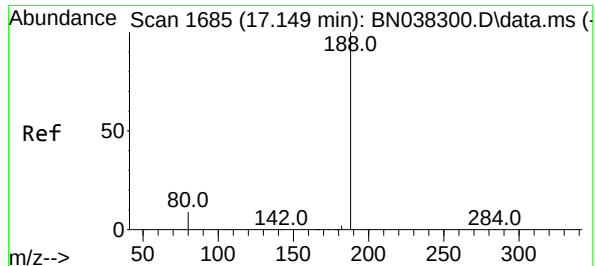
Tgt Ion	154	153	152
Resp:	5115		
Ion Ratio	100	114.1	61.2
Lower		89.8	47.5
Upper		134.8	71.3



#18
Fluorene
Concen: 0.191 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion	166	165	167
Resp:	6474		
Ion Ratio	100	100.6	13.7
Lower		80.2	10.6
Upper		120.4	16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

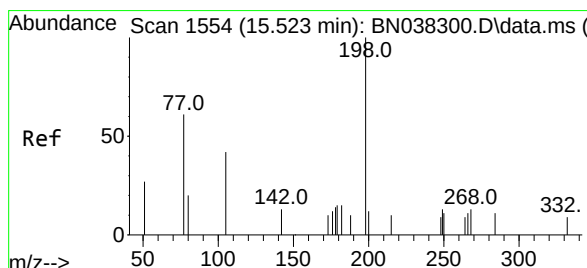
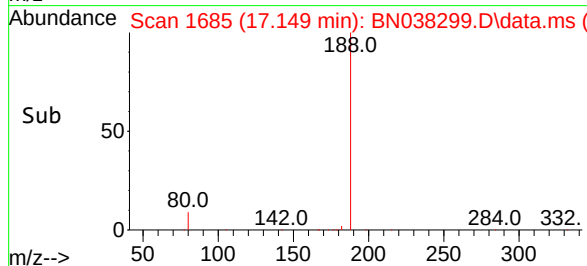
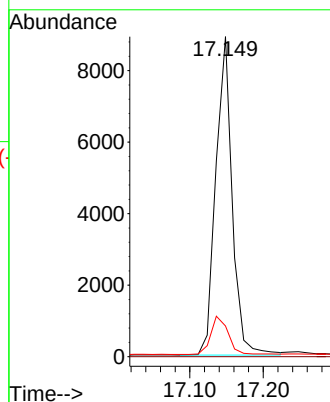
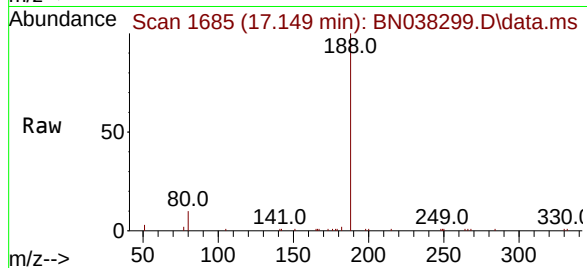
Tgt Ion:188 Resp: 13779

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.6 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.165 ng

RT: 15.523 min Scan# 1554

Delta R.T. 0.001 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

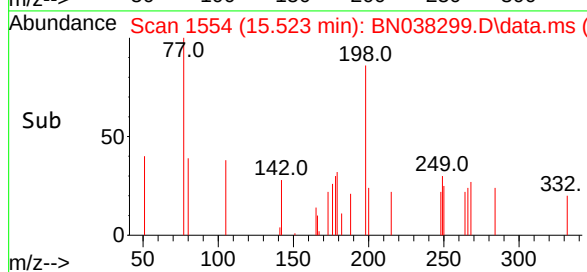
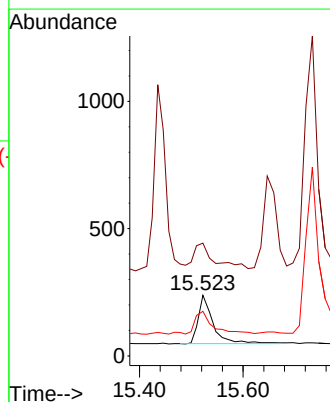
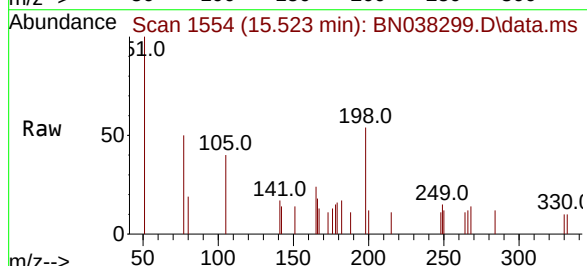
Tgt Ion:198 Resp: 373

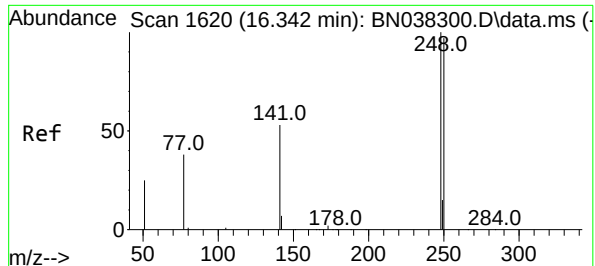
Ion Ratio Lower Upper

198 100

51 186.1 86.3 129.5#

105 73.5 45.3 67.9#

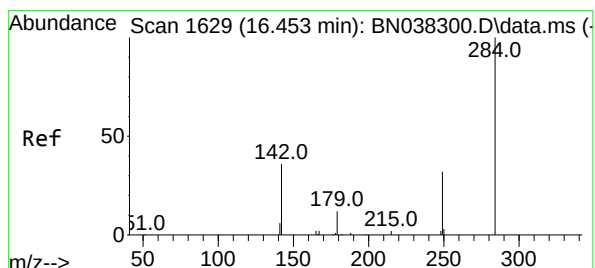
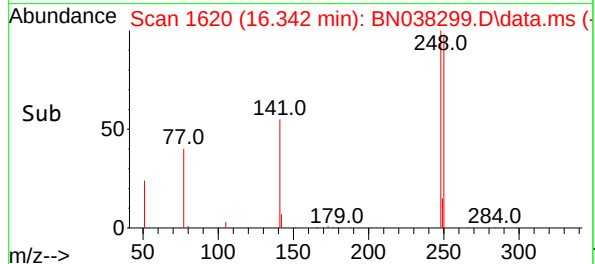
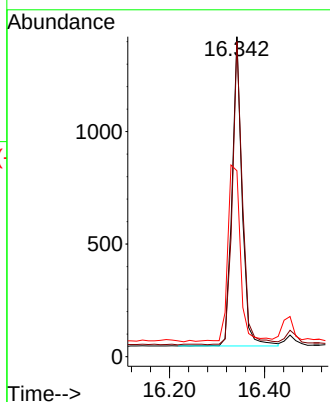
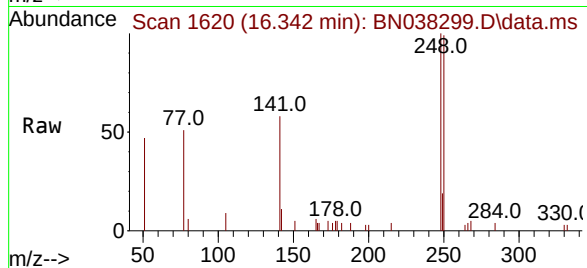




#21
4-Bromophenyl-phenylether
Concen: 0.196 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

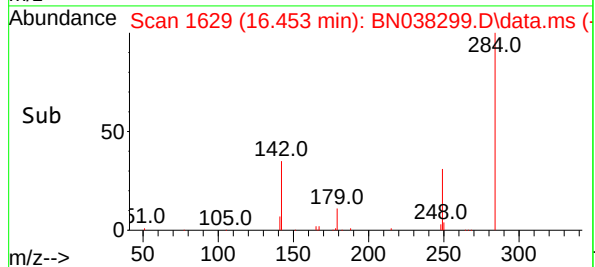
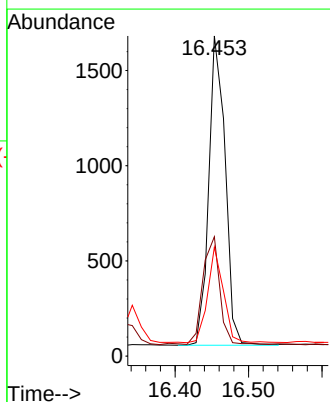
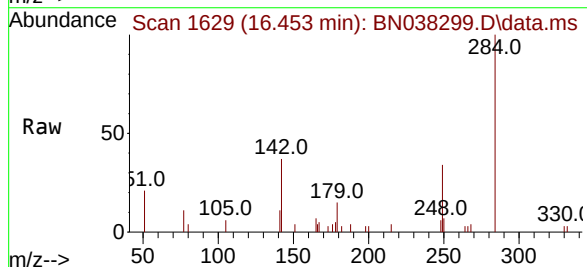
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

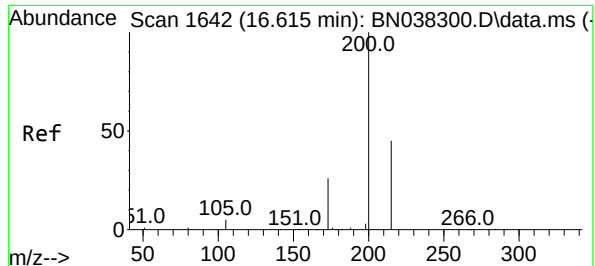
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.2	117.2
141	58.1	43.7	65.5



#22
Hexachlorobenzene
Concen: 0.205 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.2	29.5	44.3
249	29.9	23.7	35.5

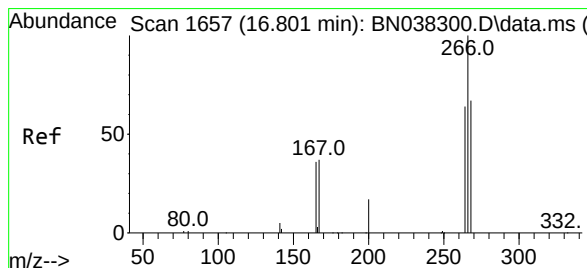
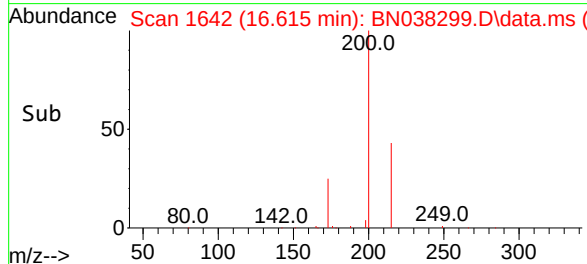
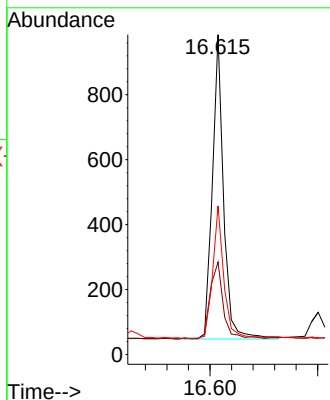
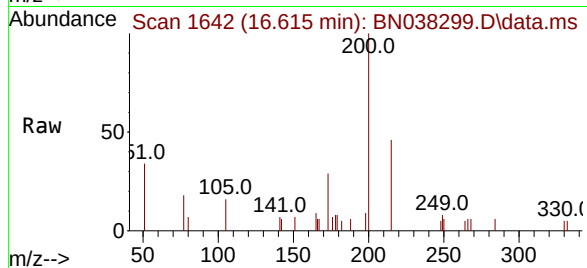




#23
Atrazine
Concen: 0.194 ng
RT: 16.615 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

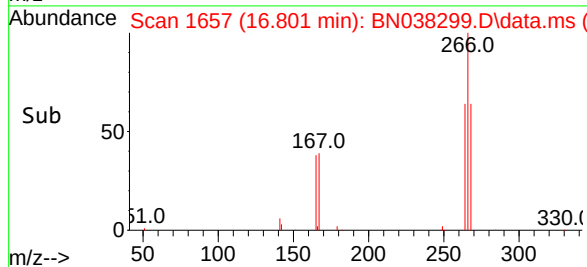
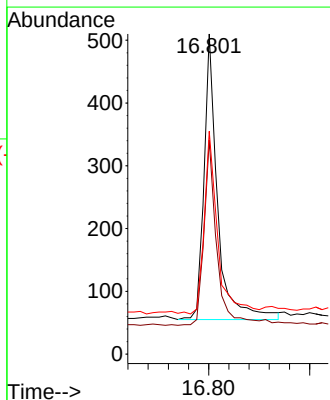
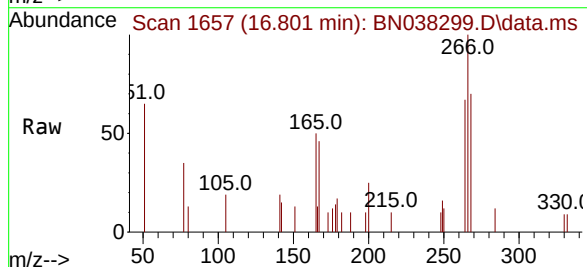
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

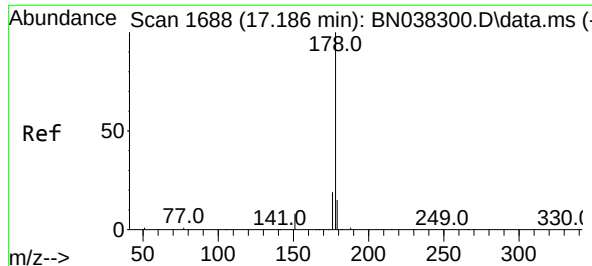
Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.9	22.1	33.1
215	46.5	37.4	56.2



#24
Pentachlorophenol
Concen: 0.178 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.1	50.2	75.2
268	62.7	52.6	78.8

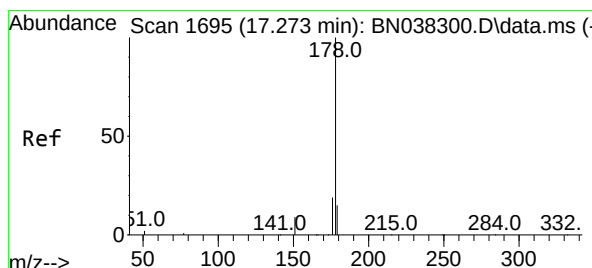
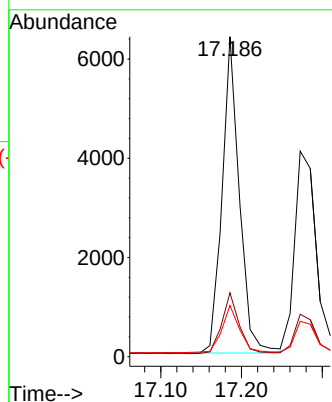
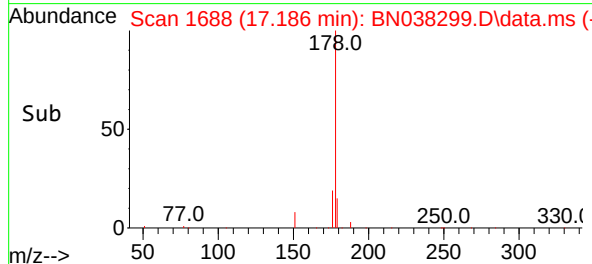
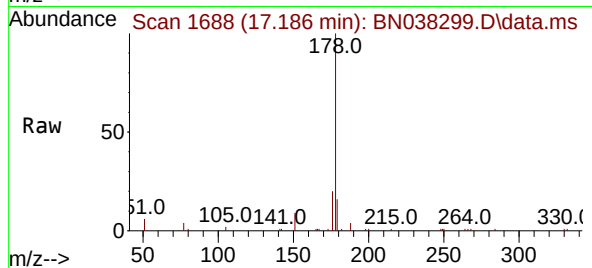




#25
Phenanthrene
Concen: 0.197 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

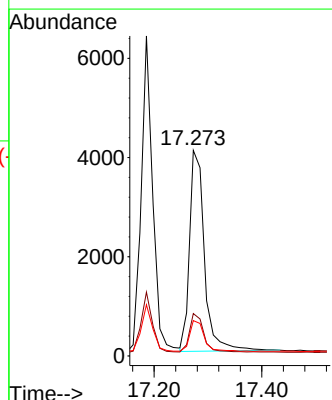
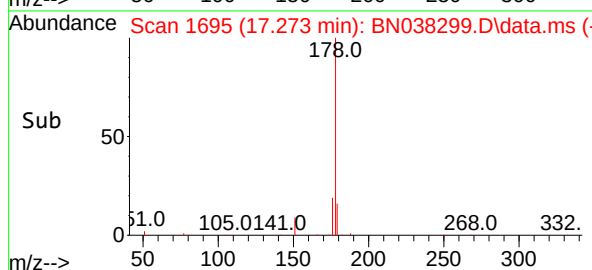
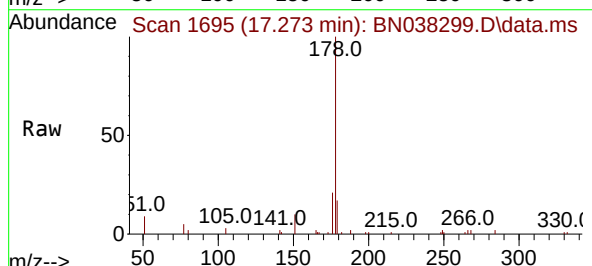
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

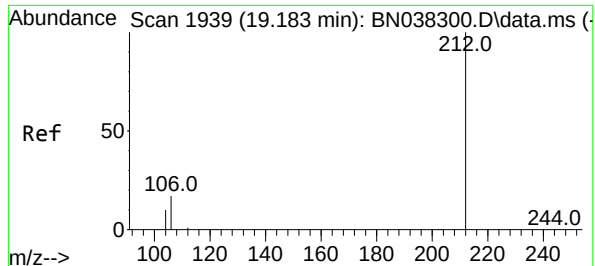
Tgt Ion:178 Resp: 9460
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.6 12.2 18.2



#26
Anthracene
Concen: 0.188 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion:178 Resp: 7793
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.1 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.191 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

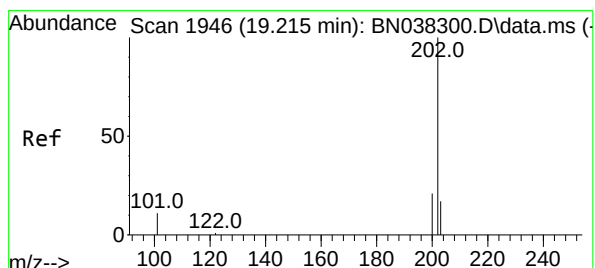
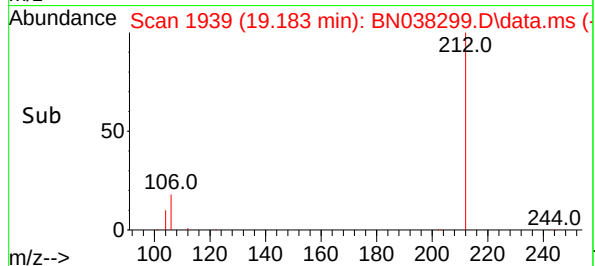
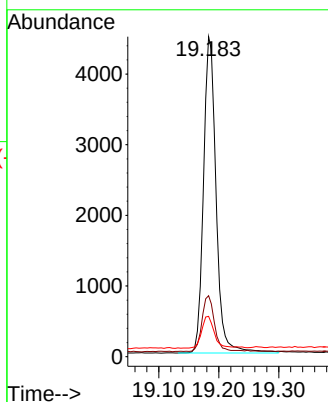
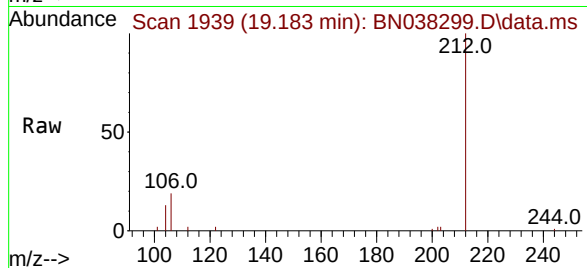
Tgt Ion:212 Resp: 6525

Ion Ratio Lower Upper

212 100

106 17.5 13.7 20.5

104 10.3 7.8 11.8



#28

Fluoranthene

Concen: 0.191 ng

RT: 19.215 min Scan# 1946

Delta R.T. -0.005 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

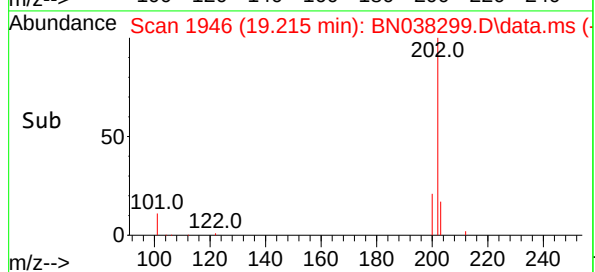
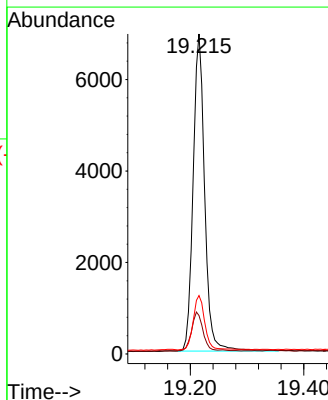
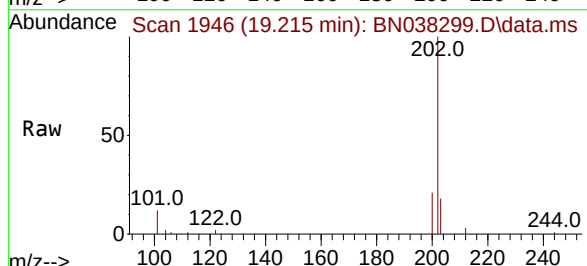
Tgt Ion:202 Resp: 9737

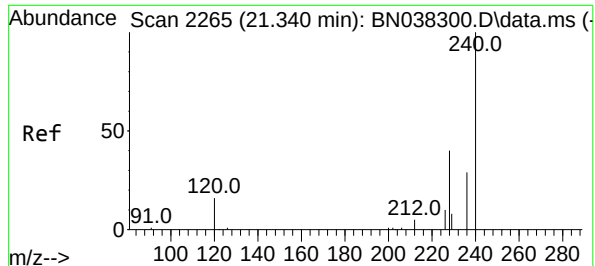
Ion Ratio Lower Upper

202 100

101 11.9 9.6 14.4

203 17.3 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

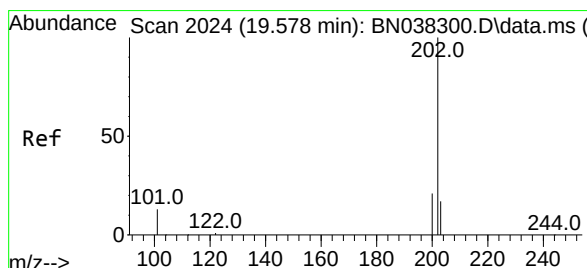
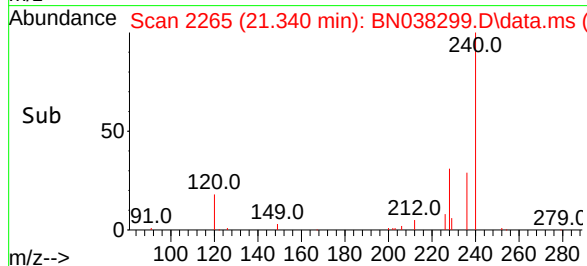
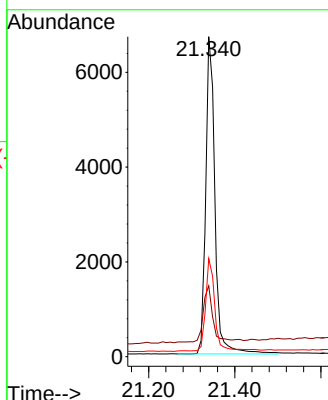
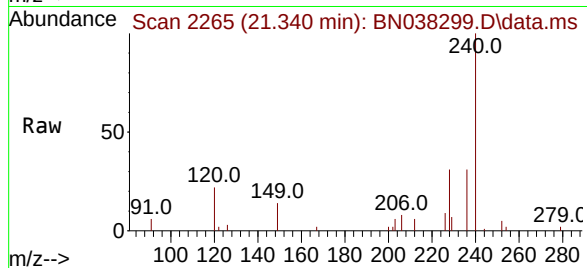
Tgt Ion:240 Resp: 10001

Ion Ratio Lower Upper

240 100

120 22.1 15.4 23.2

236 30.7 23.9 35.9



#30

Pyrene

Concen: 0.200 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.005 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

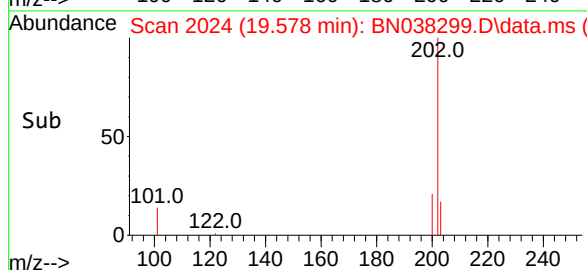
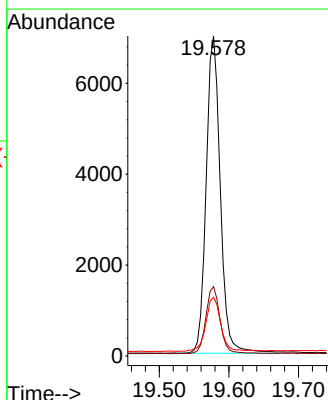
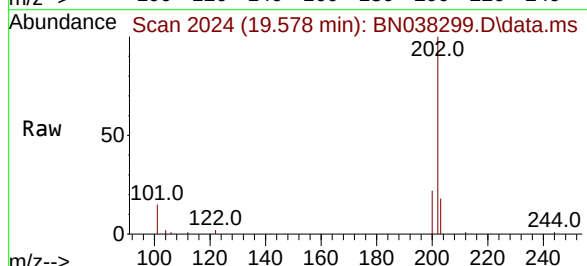
Tgt Ion:202 Resp: 9841

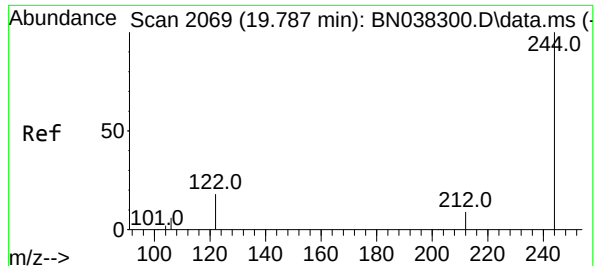
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.9 14.2 21.2

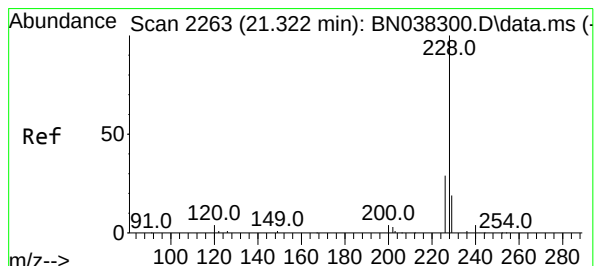
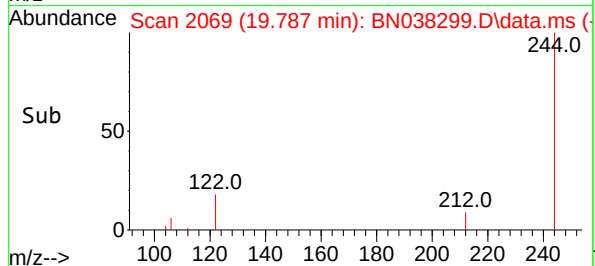
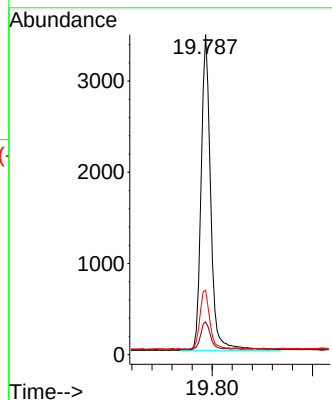
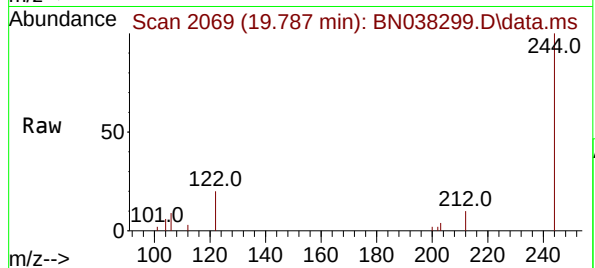




#31
Terphenyl-d14
Concen: 0.205 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

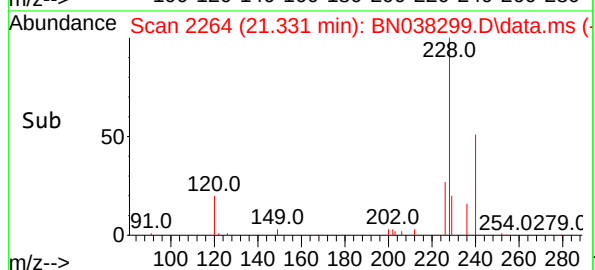
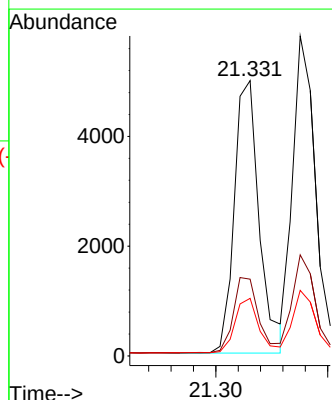
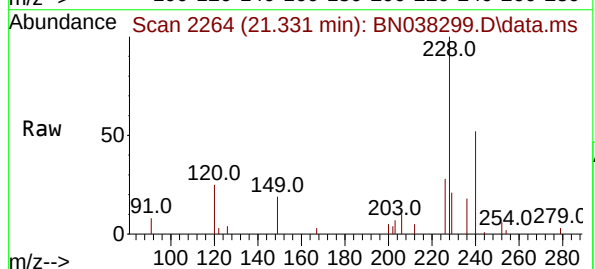
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

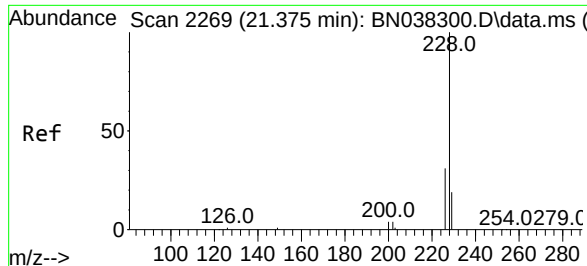
Tgt Ion:244 Resp: 4585
Ion Ratio Lower Upper
244 100
212 10.3 7.9 11.9
122 20.1 15.0 22.6



#32
Benzo(a)anthracene
Concen: 0.199 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion:228 Resp: 7688
Ion Ratio Lower Upper
228 100
226 27.9 23.3 34.9
229 20.9 15.7 23.5





#33

Chrysene

Concen: 0.201 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

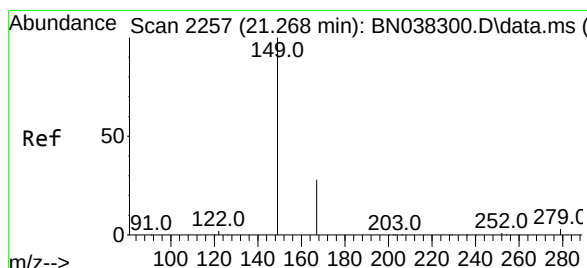
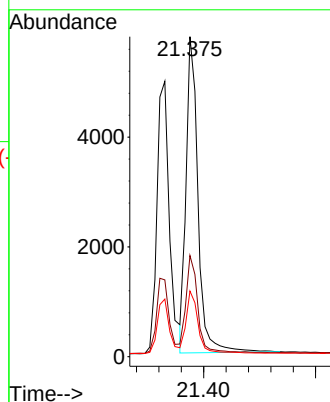
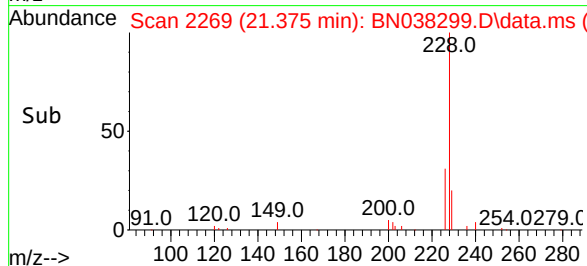
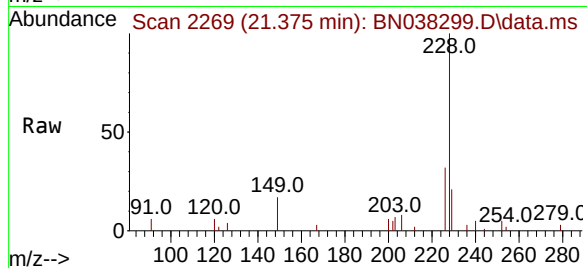
Tgt Ion:228 Resp: 8559

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.4

229 20.5 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.236 ng

RT: 21.268 min Scan# 2257

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

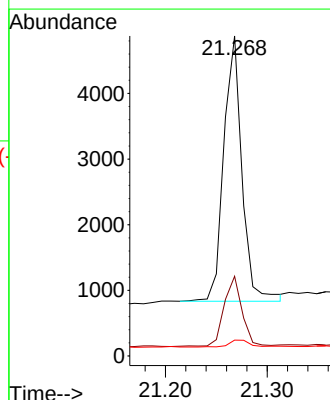
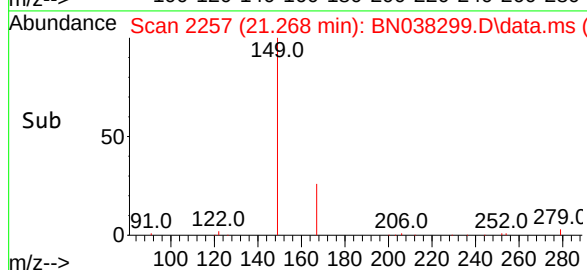
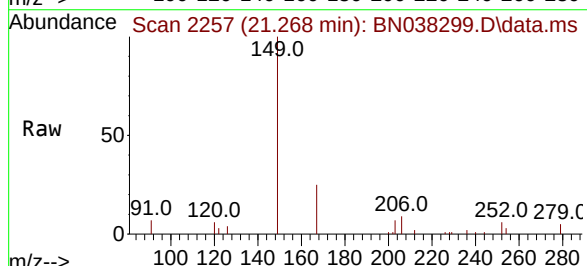
Tgt Ion:149 Resp: 5010

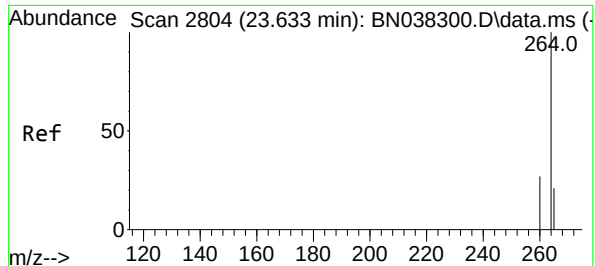
Ion Ratio Lower Upper

149 100

167 25.8 21.4 32.0

279 3.4 2.4 3.6

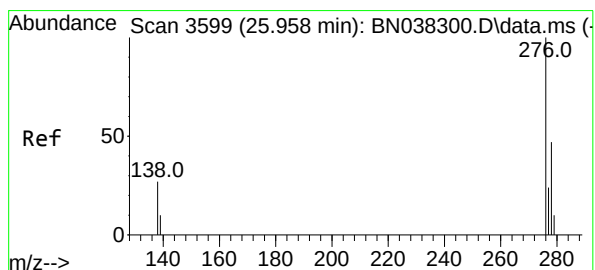
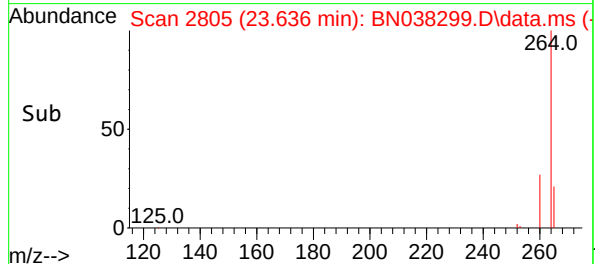
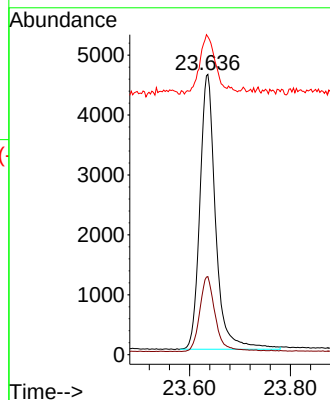
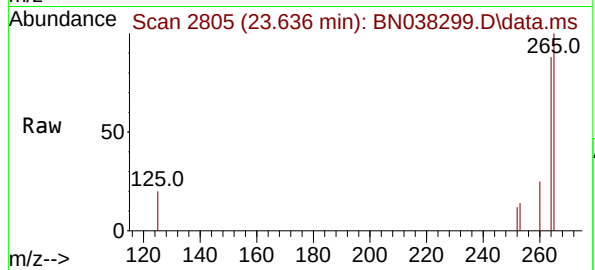




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.636 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

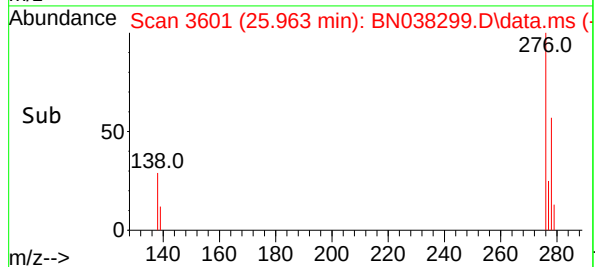
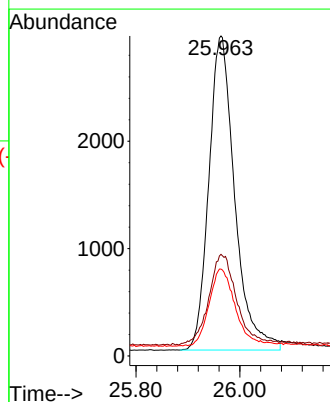
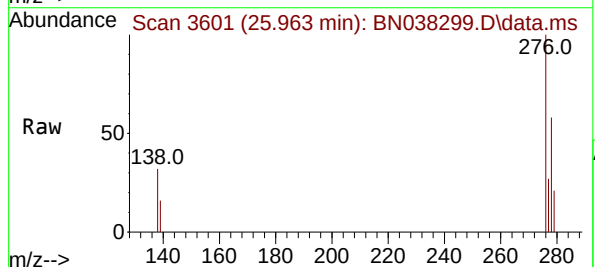
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

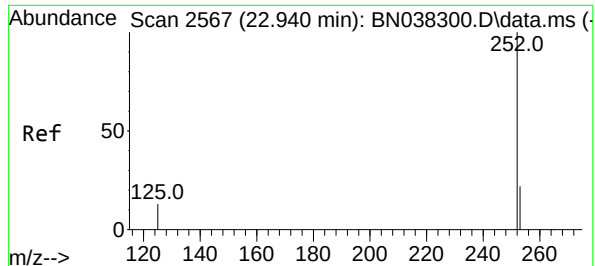
Tgt Ion:264 Resp: 9929
Ion Ratio Lower Upper
264 100
260 27.8 22.2 33.2
265 113.4 80.2 120.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.192 ng
RT: 25.963 min Scan# 3601
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion:276 Resp: 10127
Ion Ratio Lower Upper
276 100
138 30.8 23.6 35.4
277 24.3 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.199 ng

RT: 22.943 min Scan# 2567

Delta R.T. -0.003 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

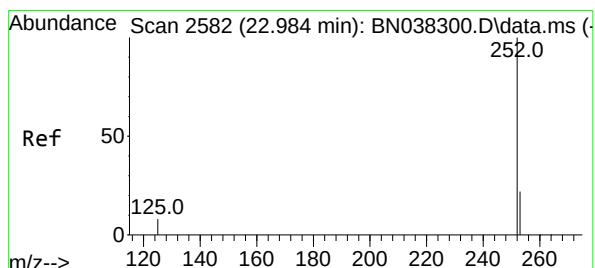
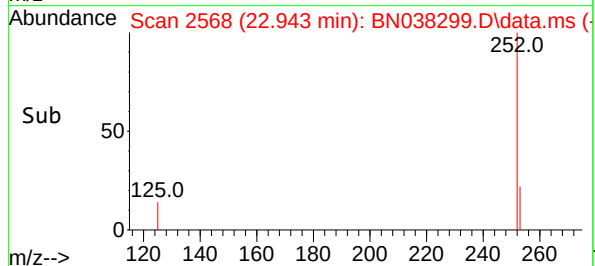
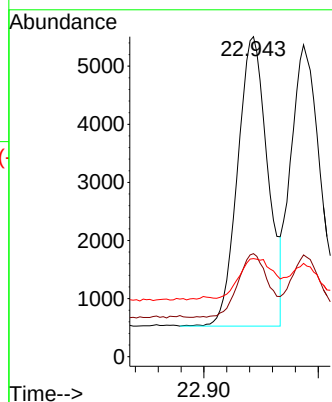
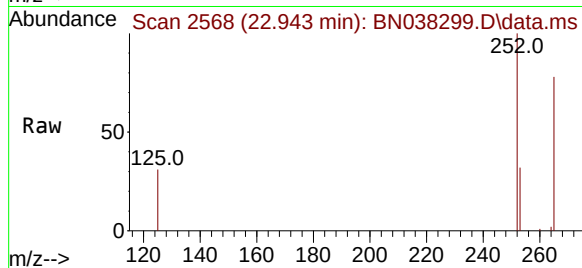
Tgt Ion:252 Resp: 9091

Ion Ratio Lower Upper

252 100

253 32.2 21.1 31.7#

125 30.6 16.4 24.6#



#38

Benzo(k)fluoranthene

Concen: 0.196 ng

RT: 22.987 min Scan# 2583

Delta R.T. -0.003 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

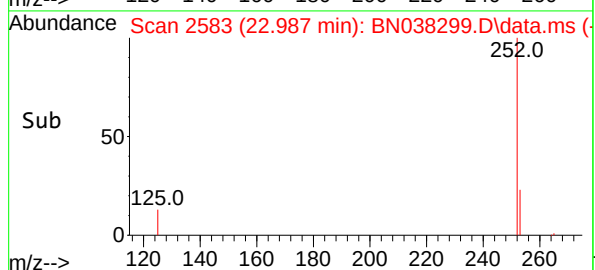
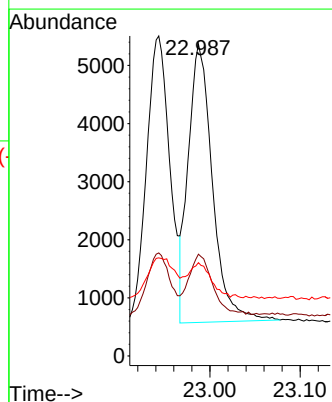
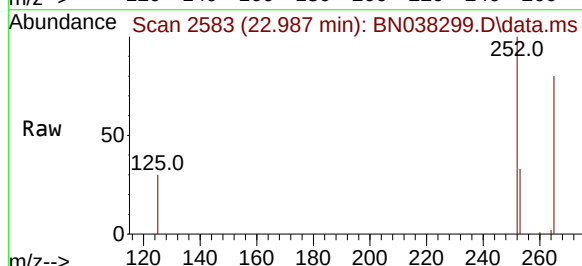
Tgt Ion:252 Resp: 8902

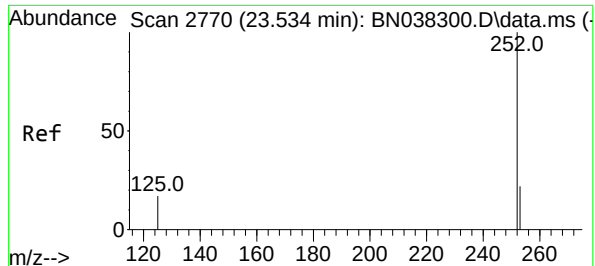
Ion Ratio Lower Upper

252 100

253 32.6 21.4 32.0#

125 29.9 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 0.194 ng

RT: 23.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

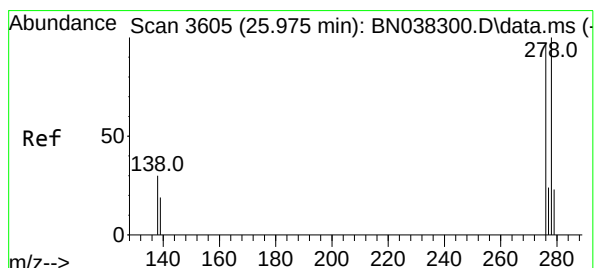
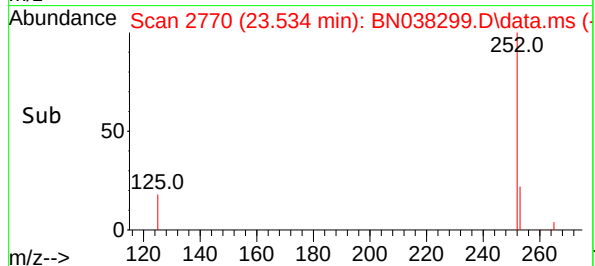
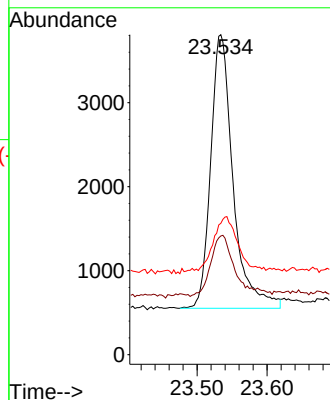
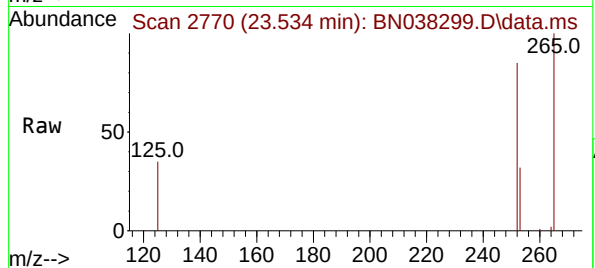
Tgt Ion:252 Resp: 7243

Ion Ratio Lower Upper

252 100

253 37.1 23.3 34.9#

125 41.1 22.4 33.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.186 ng

RT: 25.981 min Scan# 3607

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

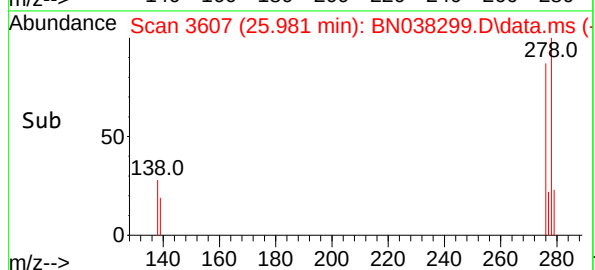
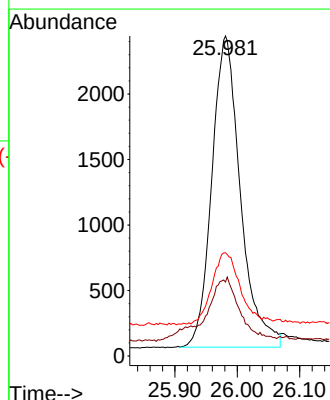
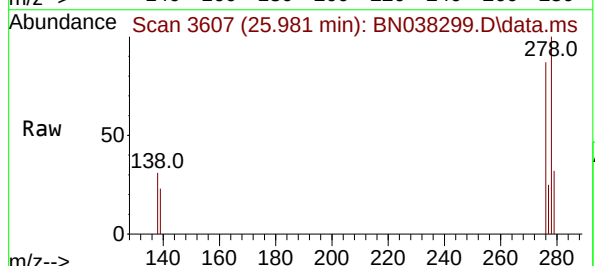
Tgt Ion:278 Resp: 7551

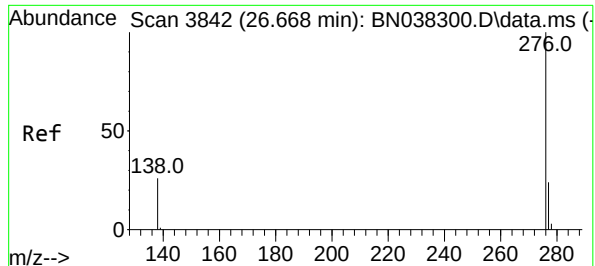
Ion Ratio Lower Upper

278 100

139 23.1 17.8 26.8

279 32.3 21.3 31.9#





#41

Benzo(g,h,i)perylene

Concen: 0.199 ng

RT: 26.668 min Scan# 3842

Delta R.T. -0.009 min

Lab File: BN038299.D

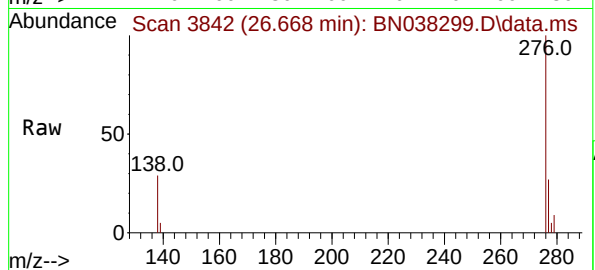
Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



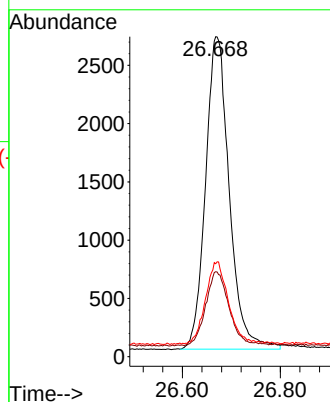
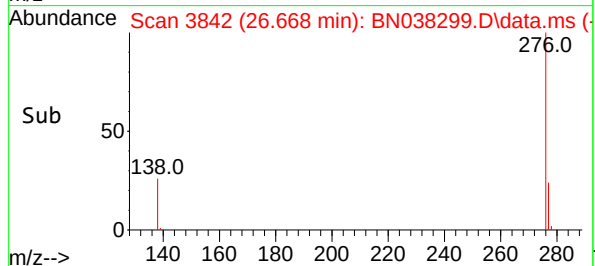
Tgt Ion:276 Resp: 9018

Ion Ratio Lower Upper

276 100

277 26.6 20.0 30.0

138 29.1 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038300.D
 Acq On : 10 Dec 2025 11:05
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Dec 10 13:59:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

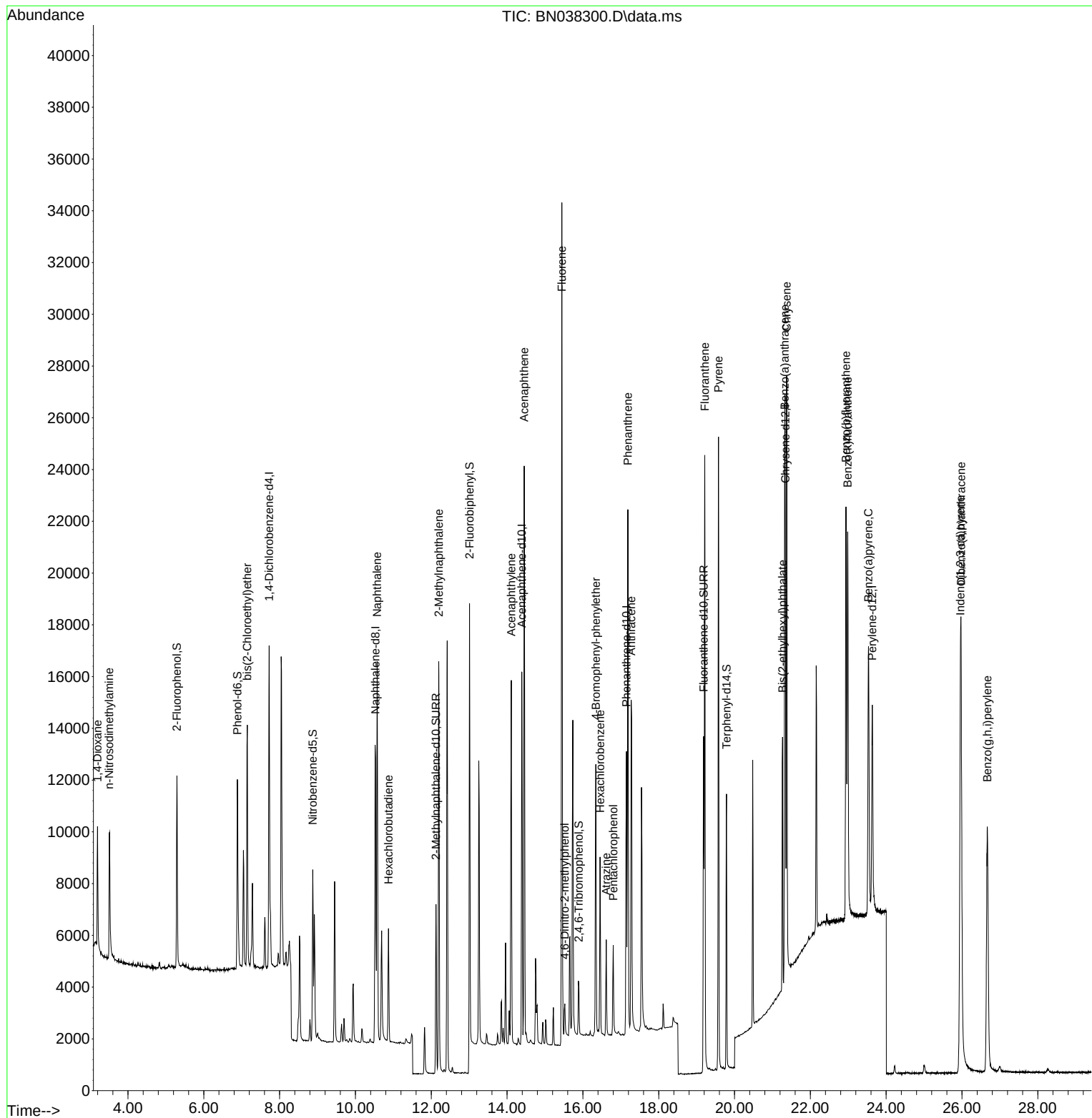
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6216	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	16402	0.400	ng	0.00
13) Acenaphthene-d10	14.388	164	8187	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	14825	0.400	ng	0.00
29) Chrysene-d12	21.340	240	11516	0.400	ng	0.00
35) Perylene-d12	23.633	264	11519	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	6141	0.397	ng	0.00
5) Phenol-d6	6.887	99	7155	0.389	ng	0.00
8) Nitrobenzene-d5	8.875	82	5397	0.390	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	9006	0.389	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1371	0.377	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	15778	0.400	ng	0.00
27) Fluoranthene-d10	19.183	212	14593	0.398	ng	0.00
31) Terphenyl-d14	19.787	244	10141	0.395	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	2892	0.406	ng	100
3) n-Nitrosodimethylamine	3.507	42	3533	0.395	ng	100
6) bis(2-Chloroethyl)ether	7.147	93	7250	0.403	ng	100
9) Naphthalene	10.573	128	19154	0.395	ng	100
10) Hexachlorobutadiene	10.872	225	3444	0.400	ng	# 100
12) 2-Methylnaphthalene	12.197	142	11982	0.389	ng	100
16) Acenaphthylene	14.110	152	15581	0.388	ng	100
17) Acenaphthene	14.452	154	10983	0.392	ng	100
18) Fluorene	15.446	166	13979	0.388	ng	100
20) 4,6-Dinitro-2-methylph...	15.523	198	840	0.344	ng	100
21) 4-Bromophenyl-phenylether	16.342	248	4253	0.387	ng	100
22) Hexachlorobenzene	16.453	284	5190	0.393	ng	100
23) Atrazine	16.615	200	2824	0.376	ng	100
24) Pentachlorophenol	16.801	266	1789	0.347	ng	100
25) Phenanthrene	17.186	178	20202	0.392	ng	100
26) Anthracene	17.273	178	16986	0.382	ng	100
28) Fluoranthene	19.215	202	21635	0.394	ng	100
30) Pyrene	19.578	202	22115	0.390	ng	100
32) Benzo(a)anthracene	21.322	228	17031	0.383	ng	100
33) Chrysene	21.375	228	19820	0.405	ng	100
34) Bis(2-ethylhexyl)phtha...	21.268	149	9726	0.399	ng	100
36) Indeno(1,2,3-cd)pyrene	25.958	276	24439	0.400	ng	100
37) Benzo(b)fluoranthene	22.940	252	20540	0.388	ng	100
38) Benzo(k)fluoranthene	22.984	252	20691	0.392	ng	100
39) Benzo(a)pyrene	23.534	252	16923	0.391	ng	100
40) Dibenzo(a,h)anthracene	25.975	278	18646	0.396	ng	100
41) Benzo(g,h,i)perylene	26.668	276	20868	0.396	ng	100

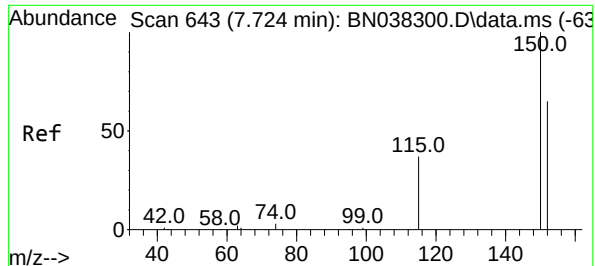
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
Data File : BN038300.D
Acq On : 10 Dec 2025 11:05
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Dec 10 13:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

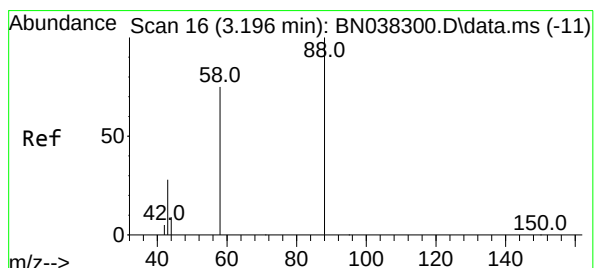
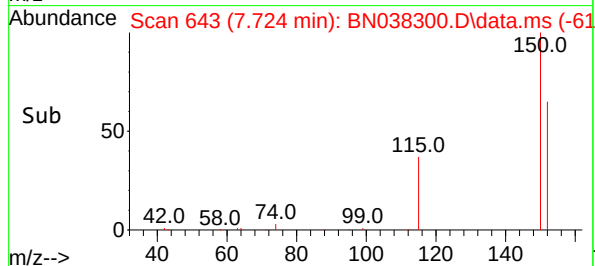
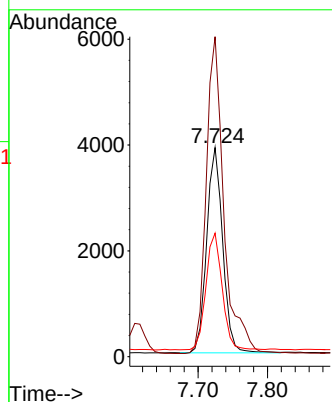
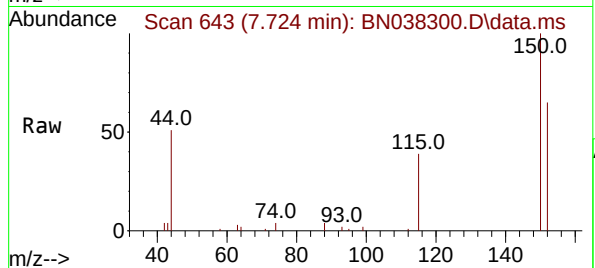




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

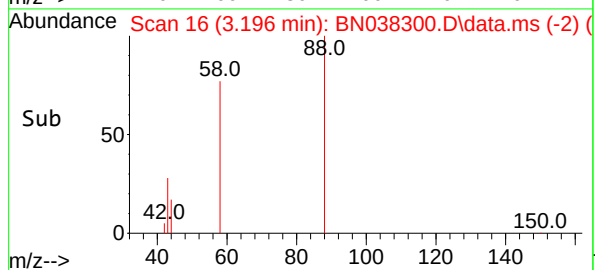
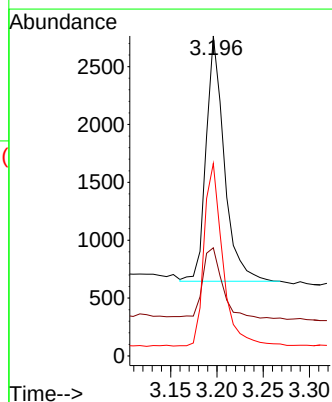
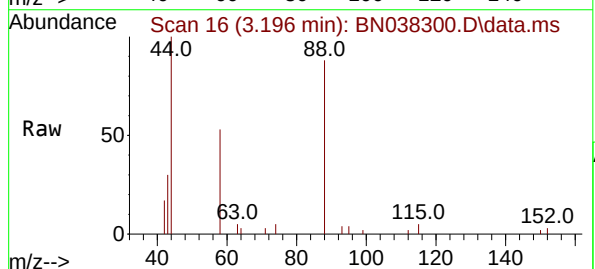
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

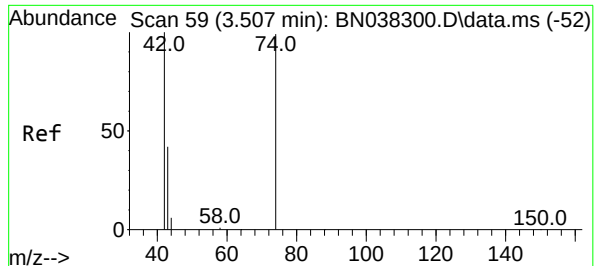
Tgt Ion:152 Resp: 6216
Ion Ratio Lower Upper
152 100
150 153.0 122.4 183.6
115 59.1 47.3 70.9



#2
1,4-Dioxane
Concen: 0.406 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion: 88 Resp: 2892
Ion Ratio Lower Upper
88 100
43 31.1 24.9 37.3
58 76.7 61.4 92.0

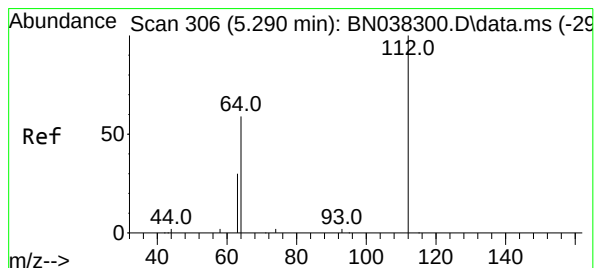
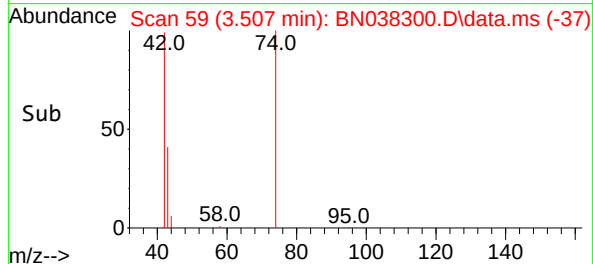
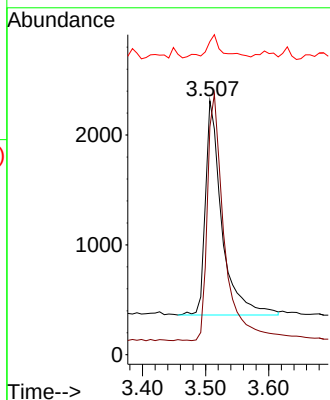
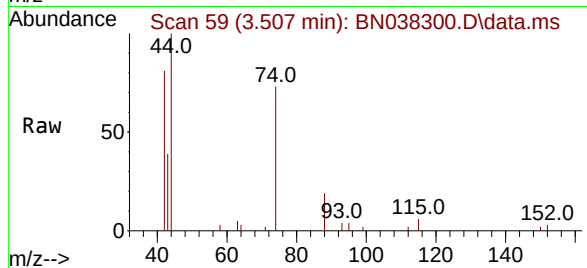




#3
n-Nitrosodimethylamine
Concen: 0.395 ng
RT: 3.507 min Scan# 59
Delta R.T. 0.007 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

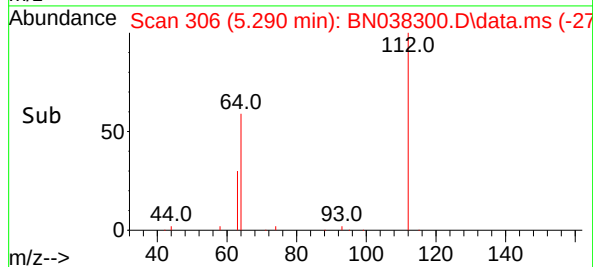
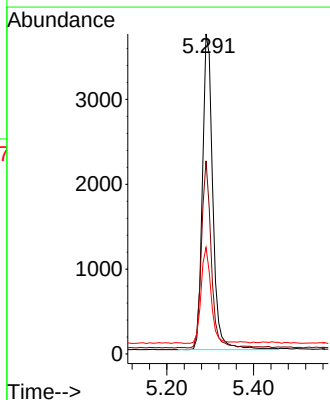
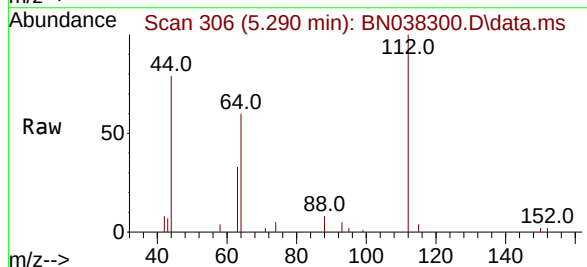
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

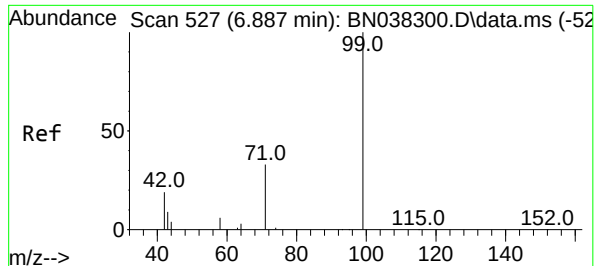
Tgt Ion: 42 Resp: 3533
Ion Ratio Lower Upper
42 100
74 119.3 95.3 142.9
44 10.0 7.9 11.9



#4
2-Fluorophenol
Concen: 0.397 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion: 112 Resp: 6141
Ion Ratio Lower Upper
112 100
64 55.5 44.4 66.6
63 29.2 23.4 35.0

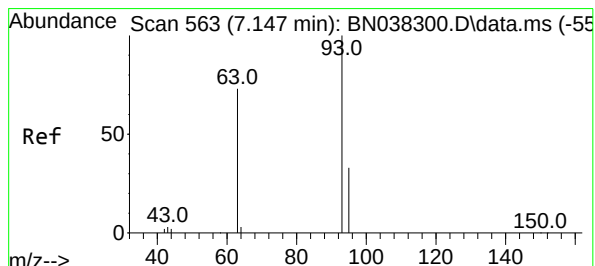
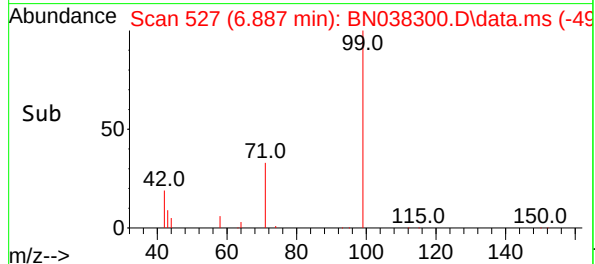
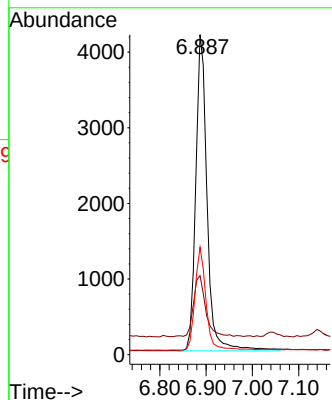
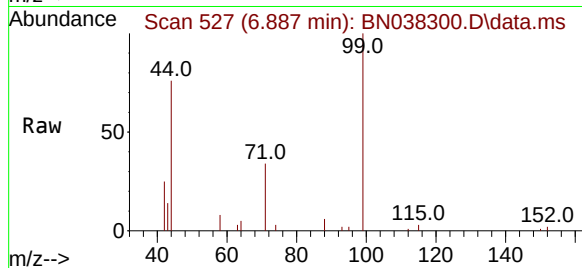




#5
Phenol-d6
Concen: 0.389 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

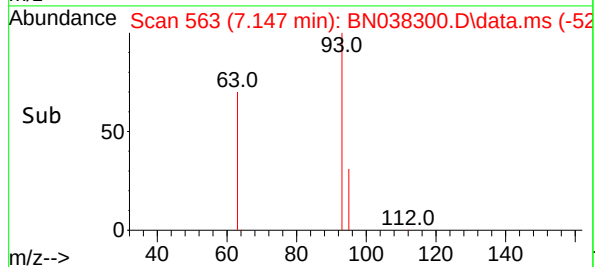
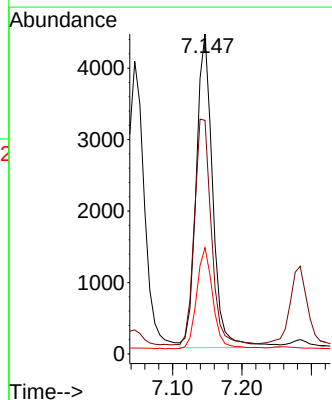
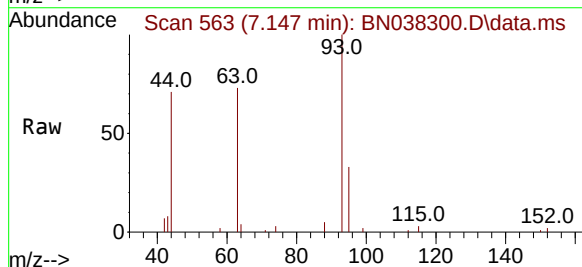
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

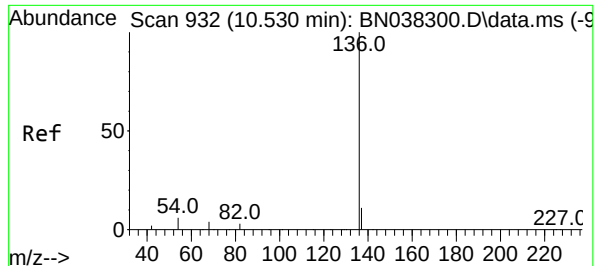
Tgt Ion: 99 Resp: 7155
Ion Ratio Lower Upper
99 100
42 20.6 16.5 24.7
71 31.1 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 0.403 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion: 93 Resp: 7250
Ion Ratio Lower Upper
93 100
63 74.0 59.2 88.8
95 31.5 25.2 37.8

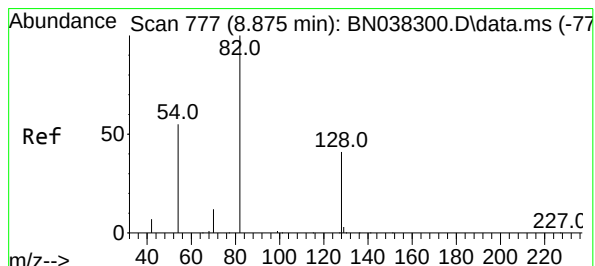
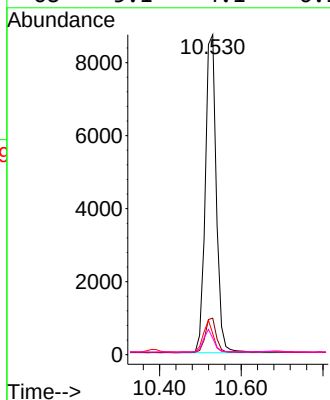
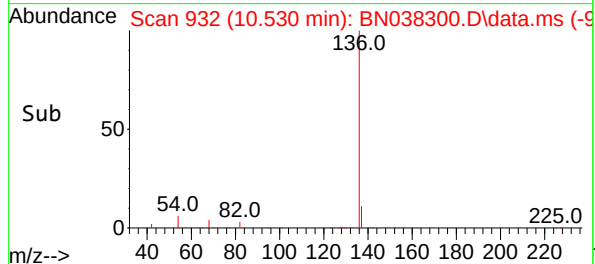
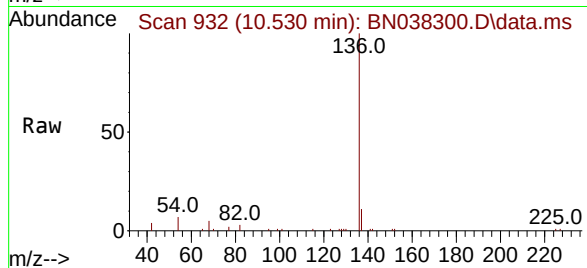




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

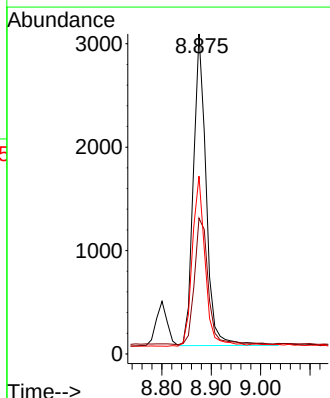
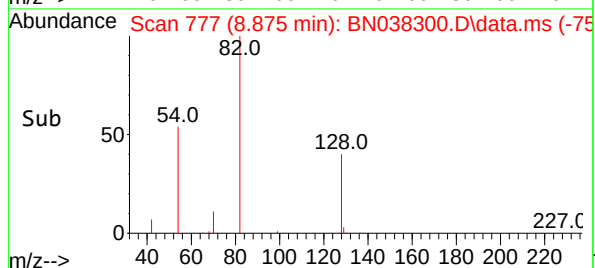
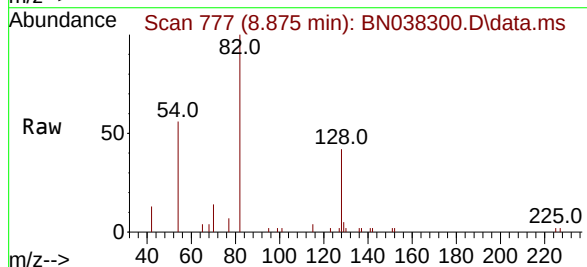
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

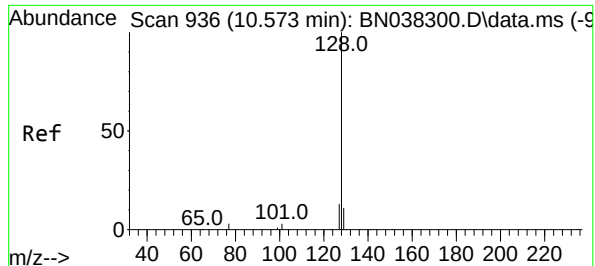
Tgt Ion:136	Resp:	16402
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.1 13.7
54	6.5	5.2 7.8
68	5.1	4.1 6.1



#8
Nitrobenzene-d5
Concen: 0.390 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion: 82	Resp:	5397
Ion Ratio	Lower	Upper
82	100	
128	42.5	34.0 51.0
54	55.5	44.4 66.6

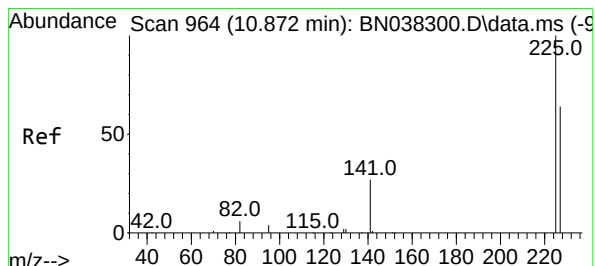
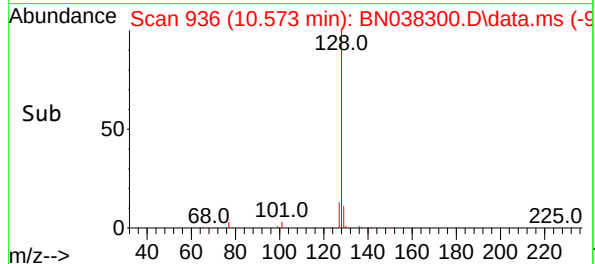
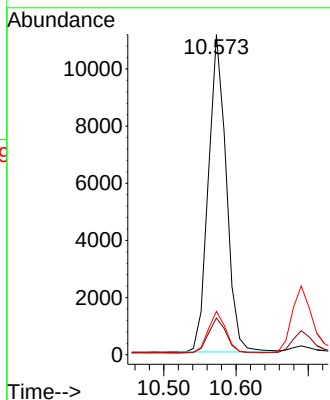
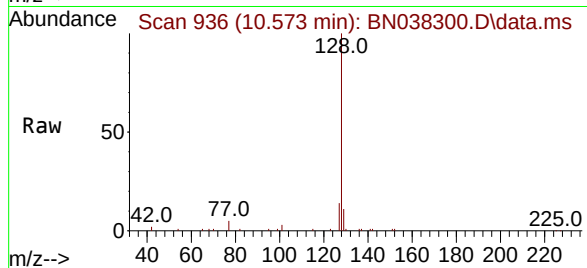




#9
Naphthalene
Concen: 0.395 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

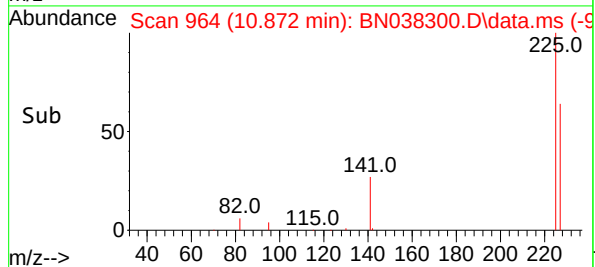
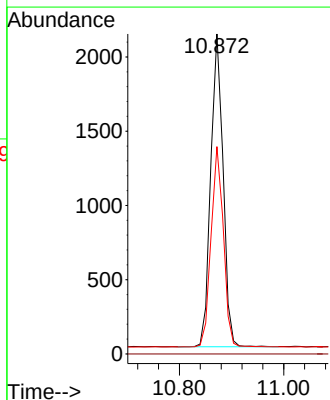
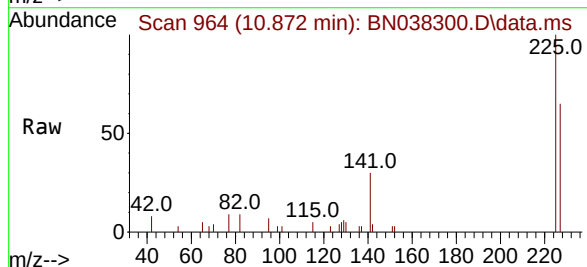
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

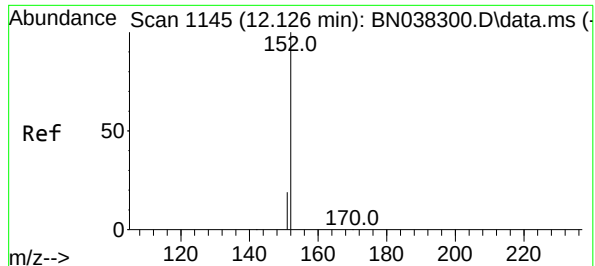
Tgt Ion:128 Resp: 19154
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.6 10.9 16.3



#10
Hexachlorobutadiene
Concen: 0.400 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion:225 Resp: 3444
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.0 51.2 76.8

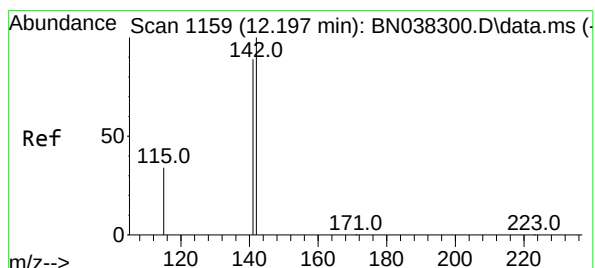
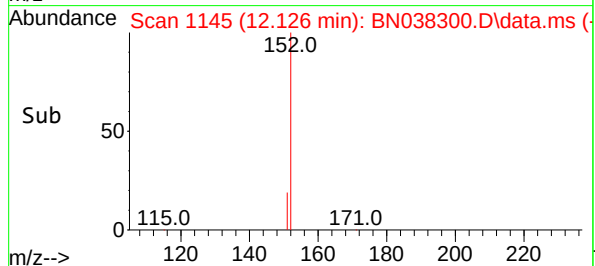
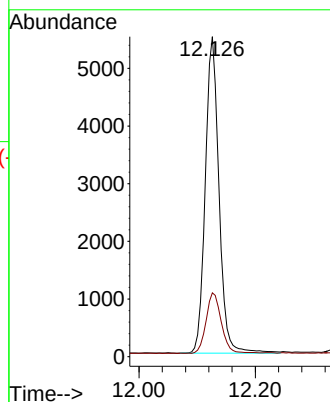
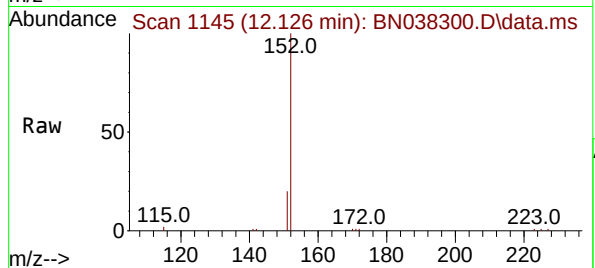




#11
2-Methylnaphthalene-d10
Concen: 0.389 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

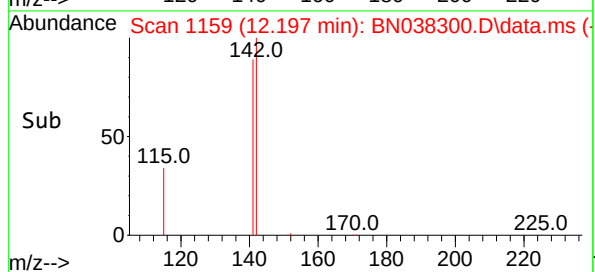
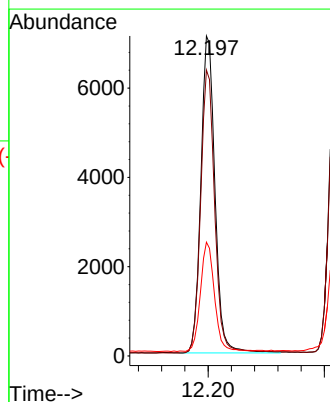
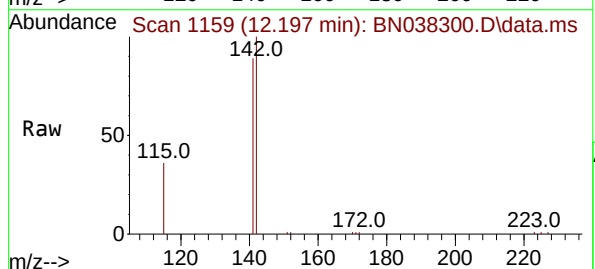
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

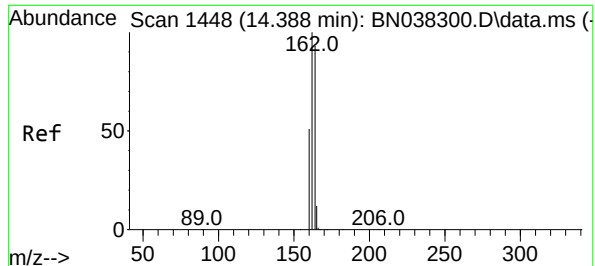
Tgt Ion:152 Resp: 9006
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion:142 Resp: 11982
Ion Ratio Lower Upper
142 100
141 89.3 71.4 107.2
115 35.5 28.4 42.6

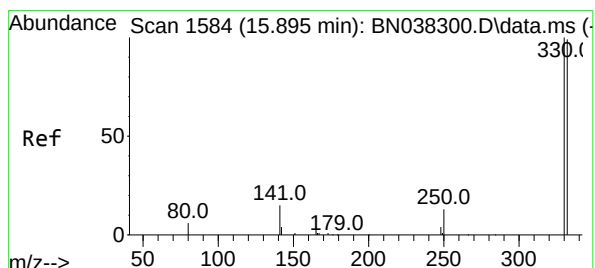
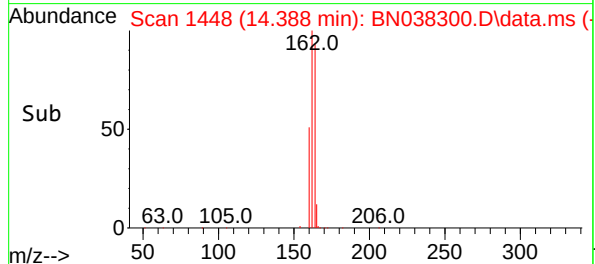
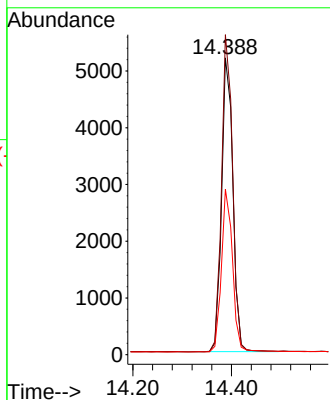
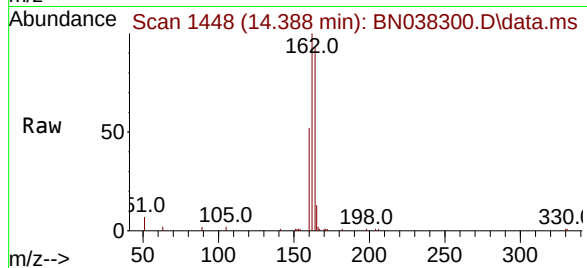




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

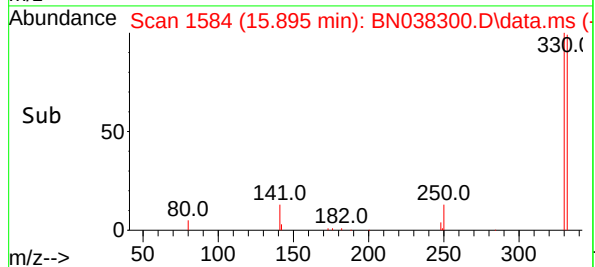
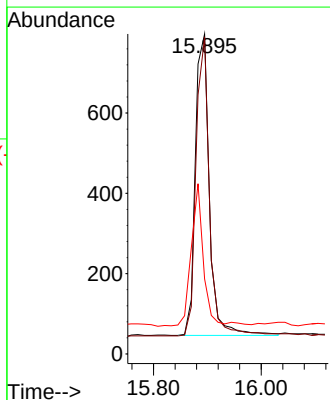
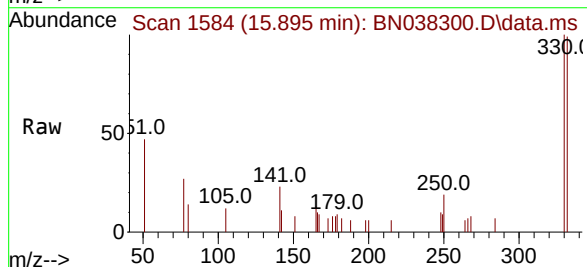
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

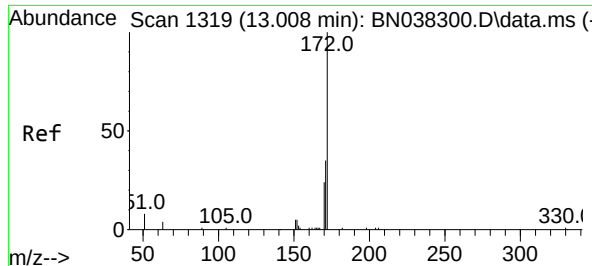
Tgt Ion:164 Resp: 8187
Ion Ratio Lower Upper
164 100
162 107.8 86.2 129.4
160 55.8 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.377 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion:330 Resp: 1371
Ion Ratio Lower Upper
330 100
332 94.4 75.8 113.6
141 39.8 31.8 47.8

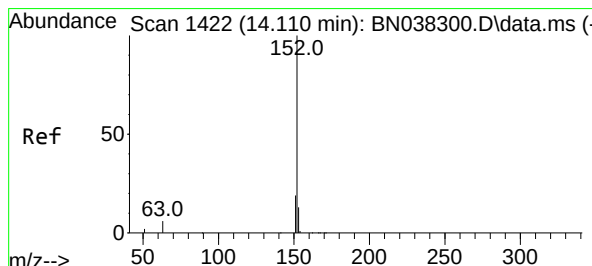
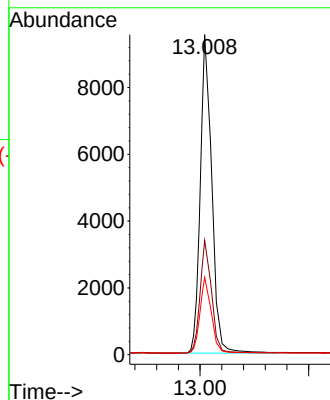
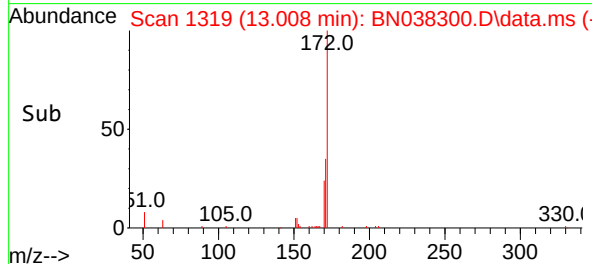
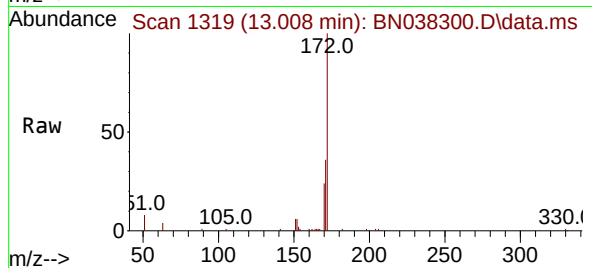




#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

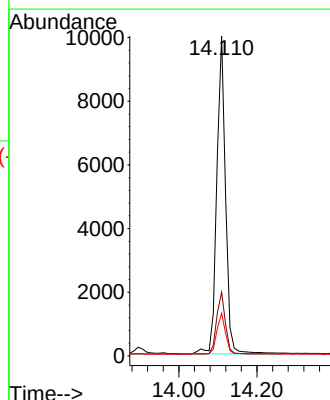
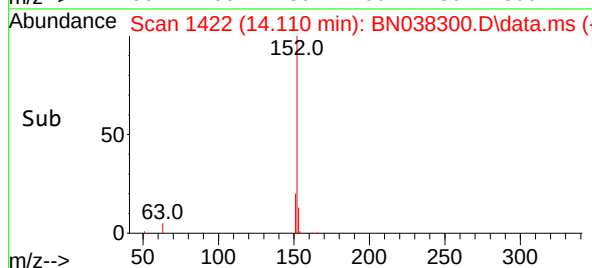
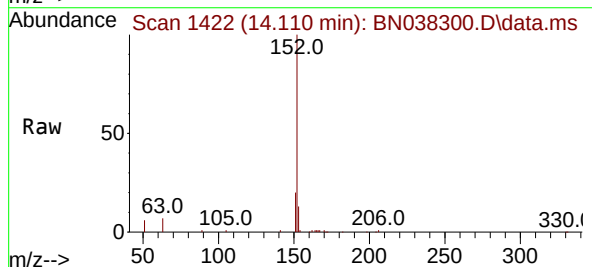
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

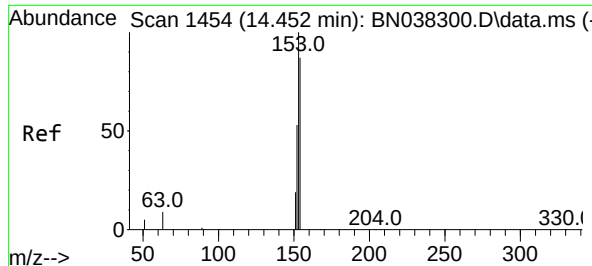
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	24.1	19.3	28.9



#16
Acenaphthylene
Concen: 0.388 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	12.8	10.2	15.4

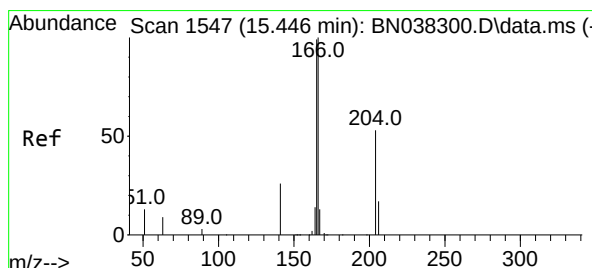
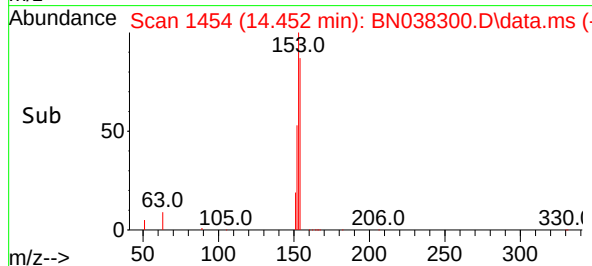
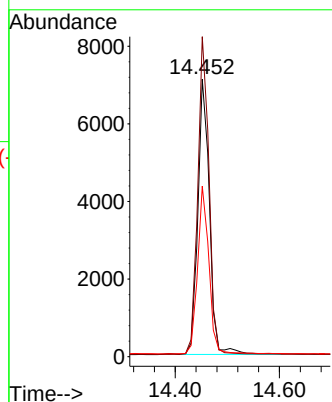
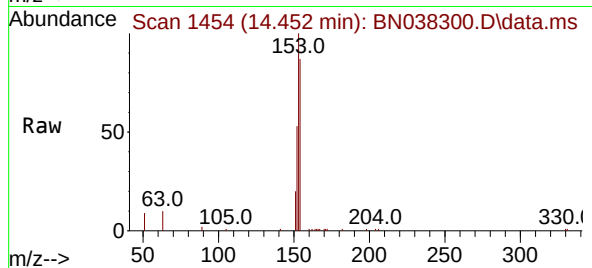




#17
Acenaphthene
Concen: 0.392 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

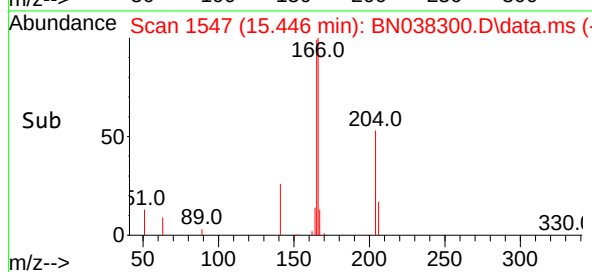
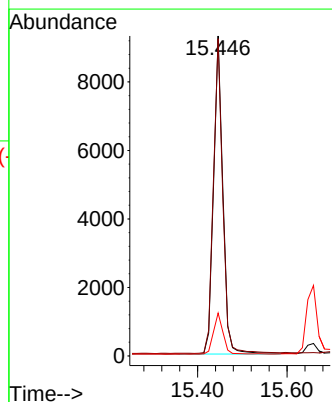
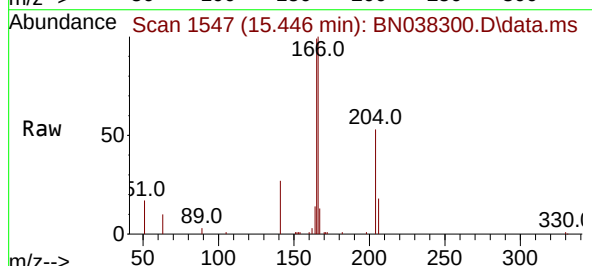
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

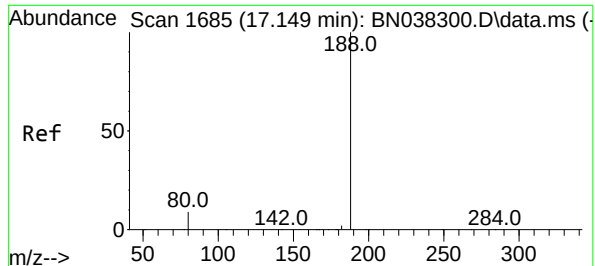
Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.8	134.8
152	59.4	47.5	71.3



#18
Fluorene
Concen: 0.388 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.3	80.2	120.4
167	13.3	10.6	16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1685

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

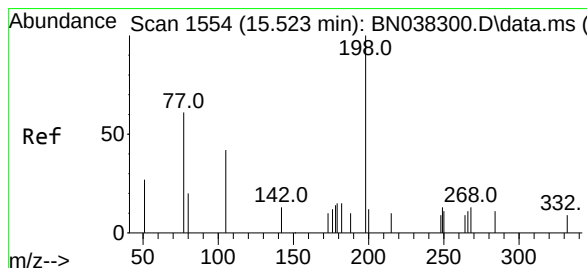
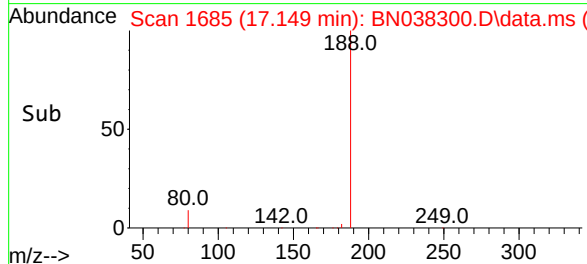
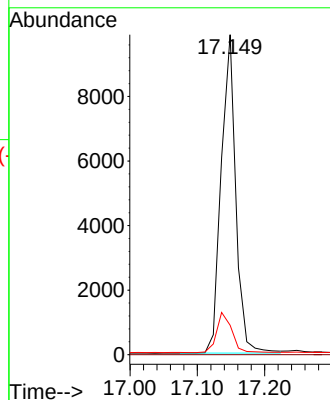
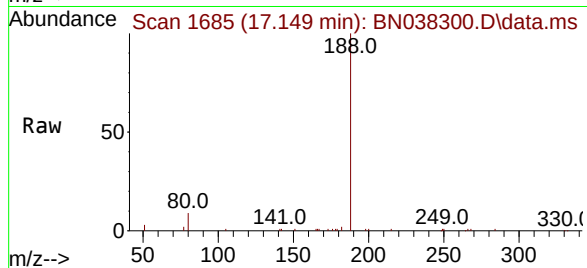
Tgt Ion:188 Resp: 14825

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.2 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.344 ng

RT: 15.523 min Scan# 1554

Delta R.T. 0.001 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

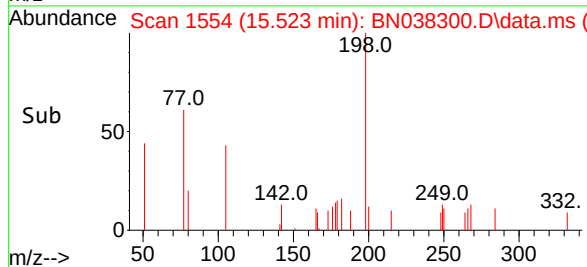
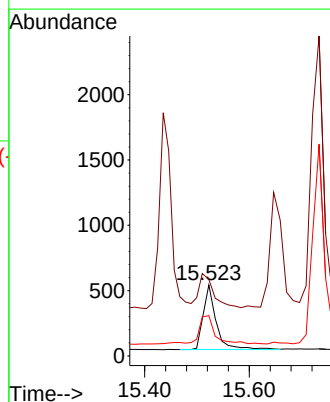
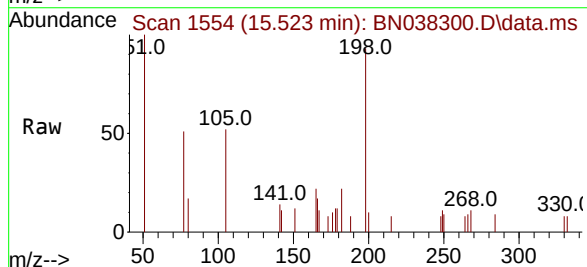
Tgt Ion:198 Resp: 840

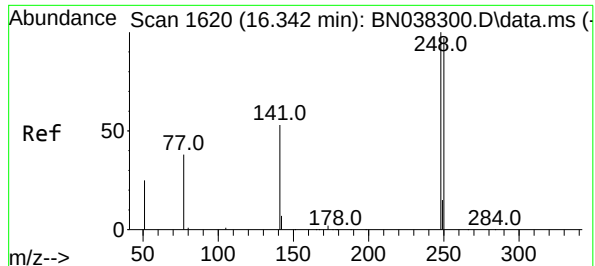
Ion Ratio Lower Upper

198 100

51 107.9 86.3 129.5

105 56.6 45.3 67.9

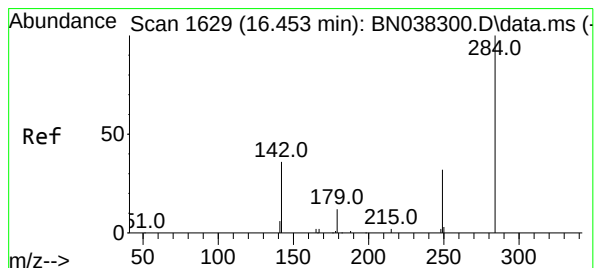
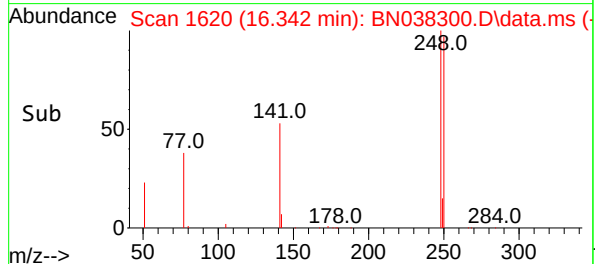
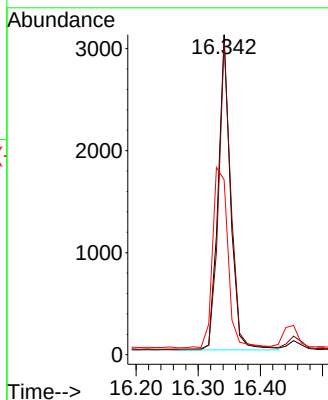
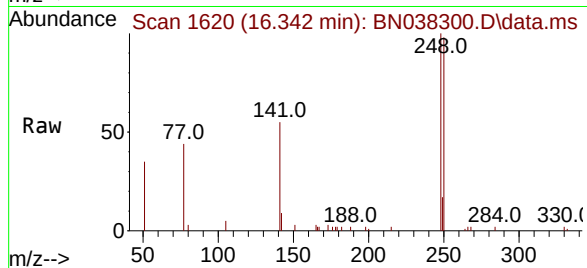




#21
4-Bromophenyl-phenylether
Concen: 0.387 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

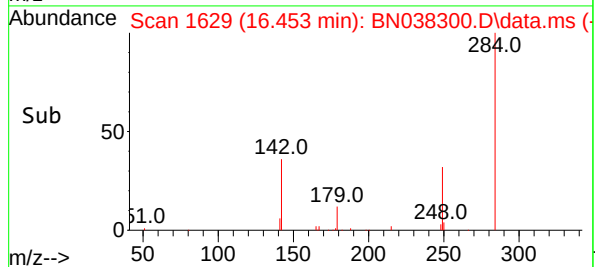
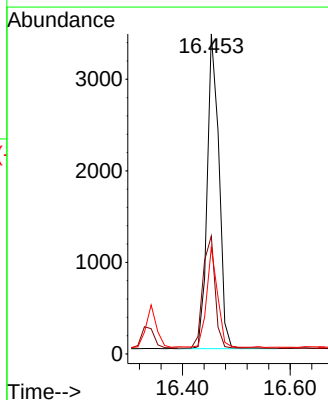
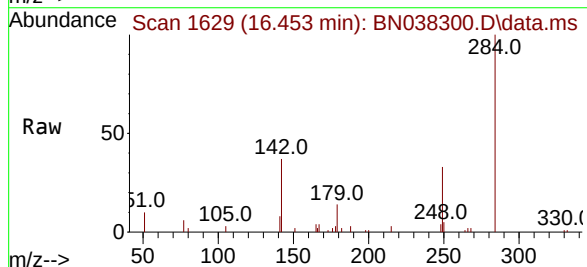
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

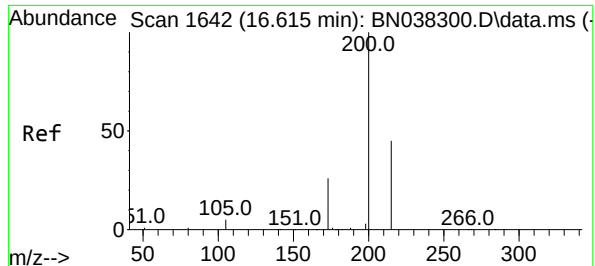
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.2	117.2
141	54.6	43.7	65.5



#22
Hexachlorobenzene
Concen: 0.393 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.9	29.5	44.3
249	29.6	23.7	35.5

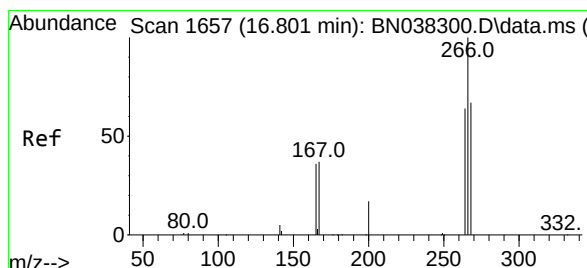
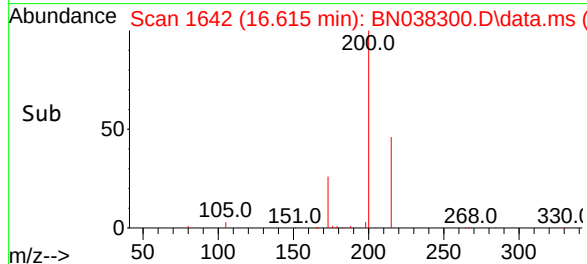
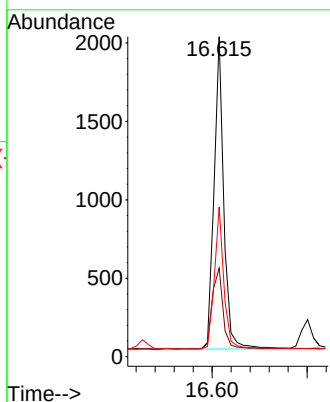
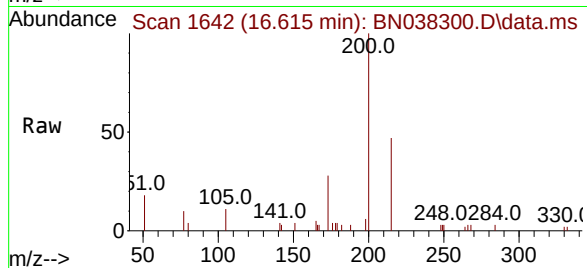




#23
Atrazine
Concen: 0.376 ng
RT: 16.615 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

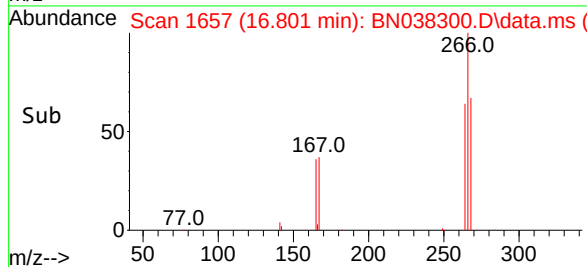
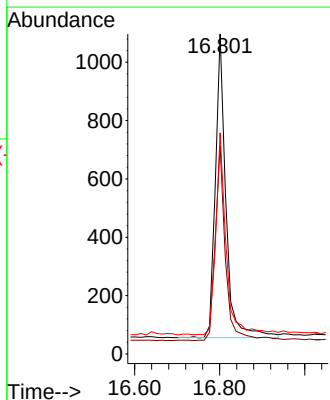
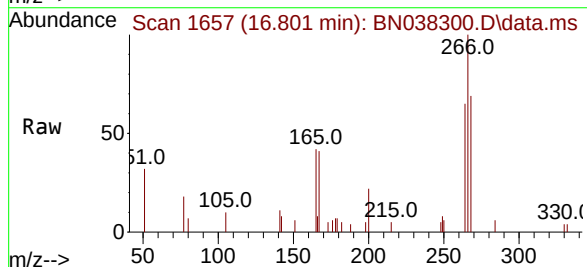
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

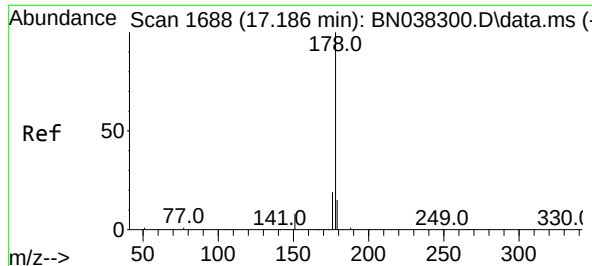
Tgt Ion	200	Resp:	2824
Ion Ratio	Lower	Upper	
200	100		
173	27.6	22.1	33.1
215	46.8	37.4	56.2



#24
Pentachlorophenol
Concen: 0.347 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion	266	Resp:	1789
Ion Ratio	Lower	Upper	
266	100		
264	62.7	50.2	75.2
268	65.7	52.6	78.8

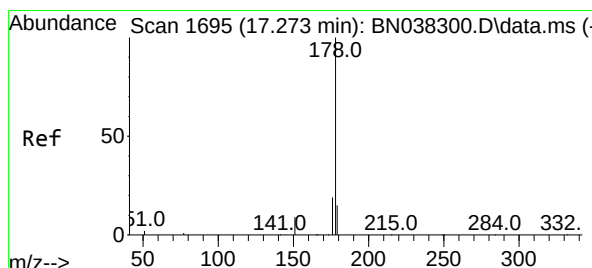
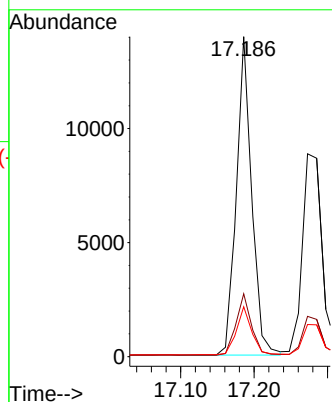
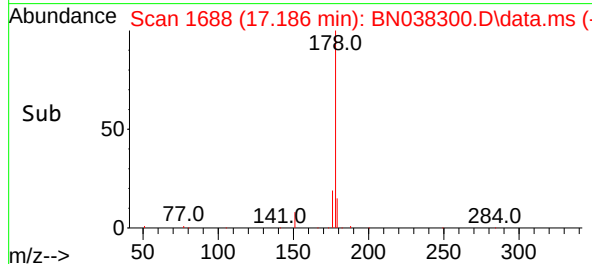
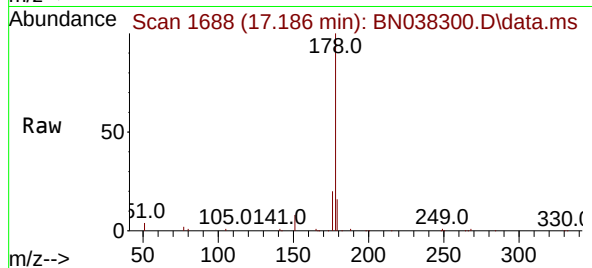




#25
Phenanthrene
Concen: 0.392 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

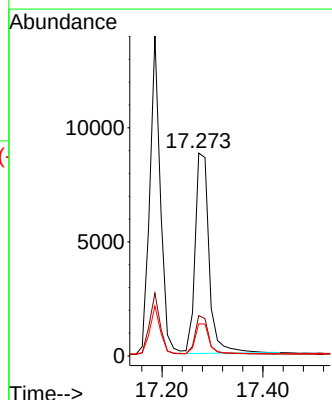
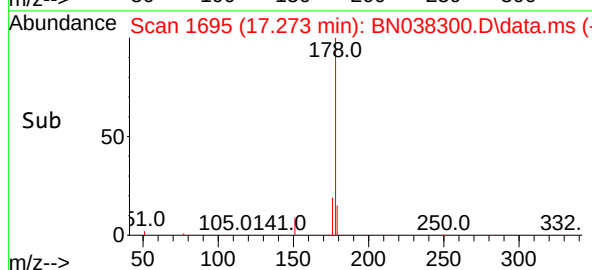
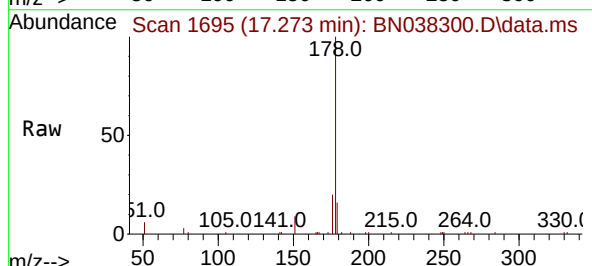
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

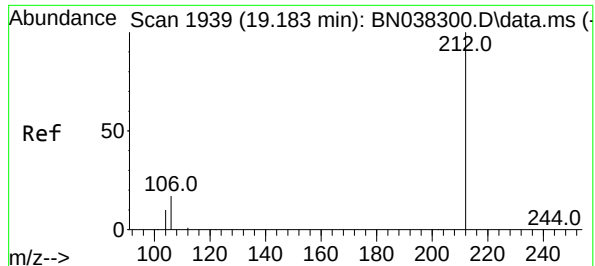
Tgt Ion:178 Resp: 20202
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.2 12.2 18.2



#26
Anthracene
Concen: 0.382 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion:178 Resp: 16986
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.0 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.398 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

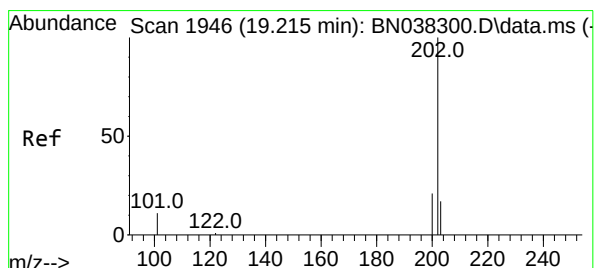
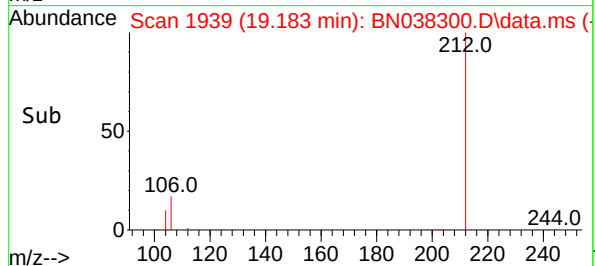
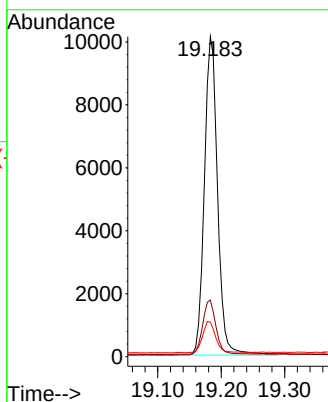
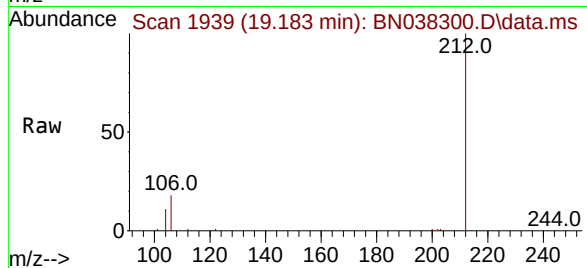
Tgt Ion:212 Resp: 14593

Ion Ratio Lower Upper

212 100

106 17.1 13.7 20.5

104 9.8 7.8 11.8



#28

Fluoranthene

Concen: 0.394 ng

RT: 19.215 min Scan# 1946

Delta R.T. -0.005 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

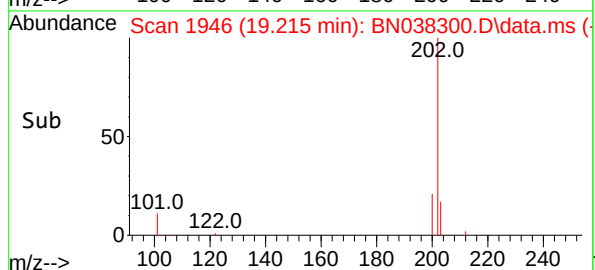
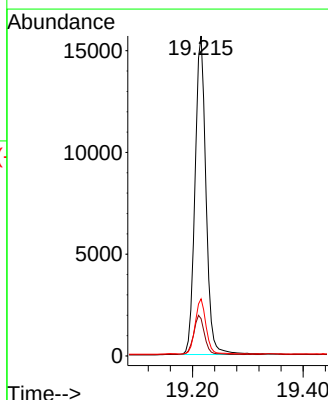
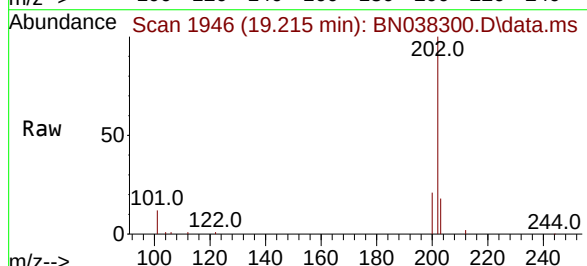
Tgt Ion:202 Resp: 21635

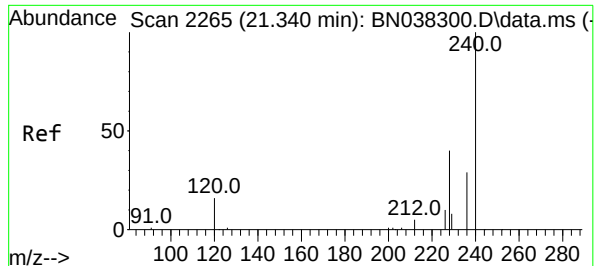
Ion Ratio Lower Upper

202 100

101 12.0 9.6 14.4

203 16.9 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

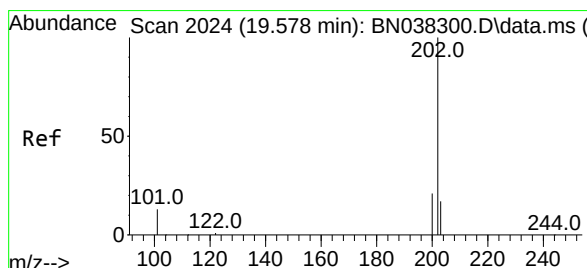
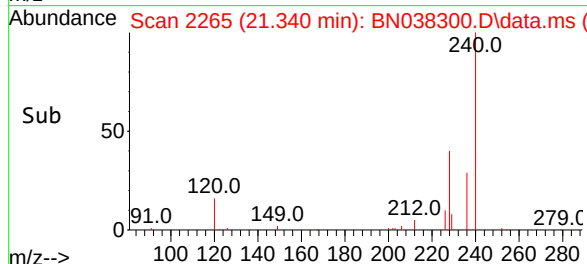
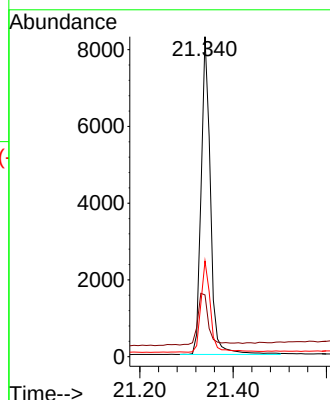
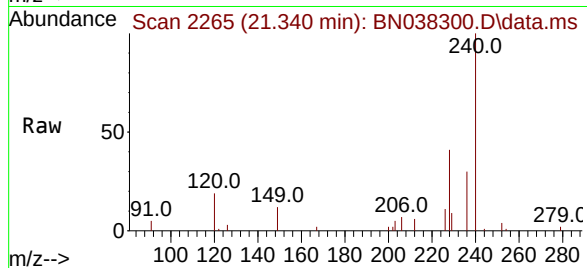
Tgt Ion:240 Resp: 11516

Ion Ratio Lower Upper

240 100

120 19.3 15.4 23.2

236 29.9 23.9 35.9



#30

Pyrene

Concen: 0.390 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.005 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

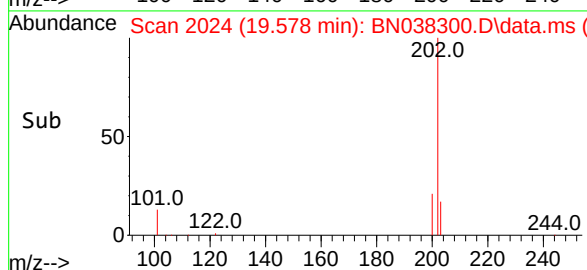
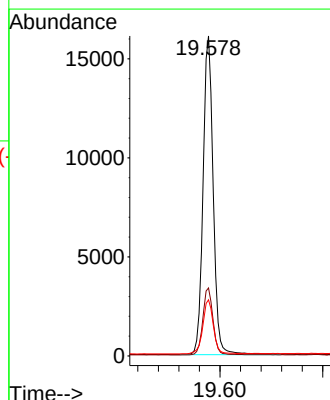
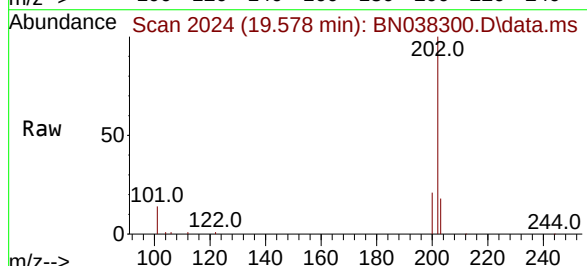
Tgt Ion:202 Resp: 22115

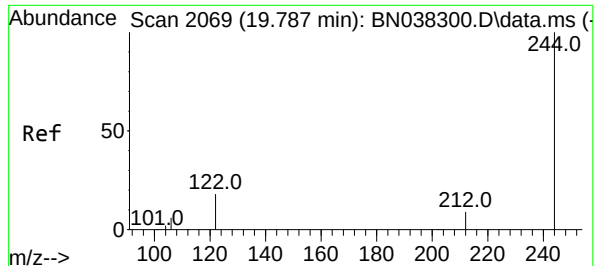
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.7 14.2 21.2

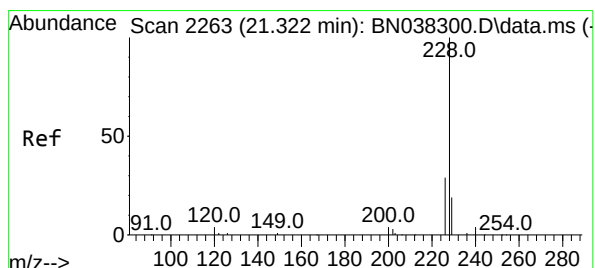
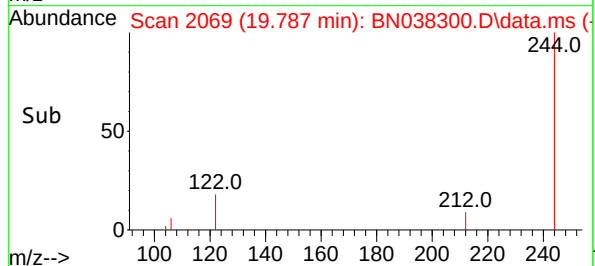
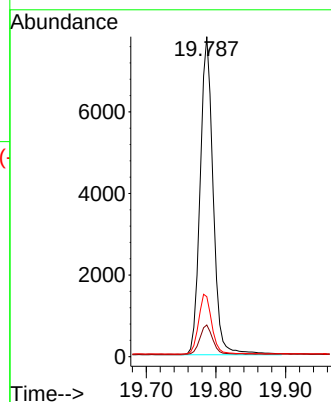
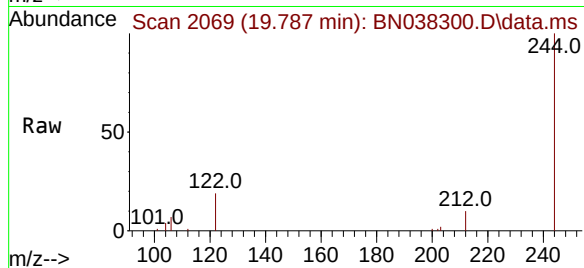




#31
Terphenyl-d14
Concen: 0.395 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

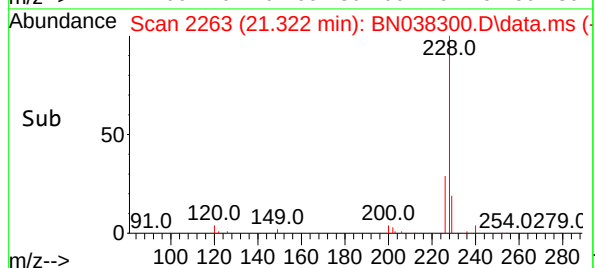
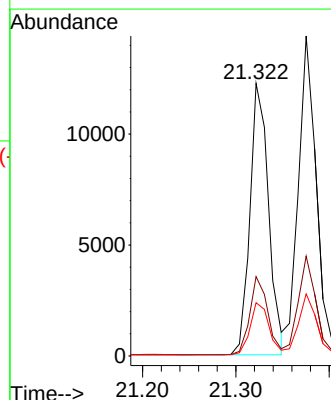
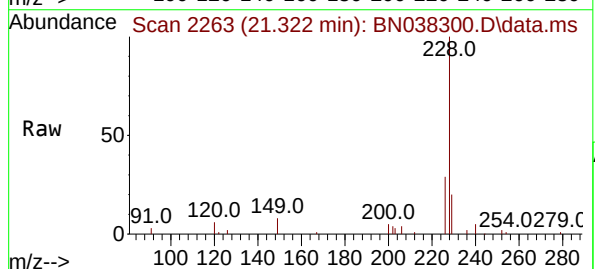
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

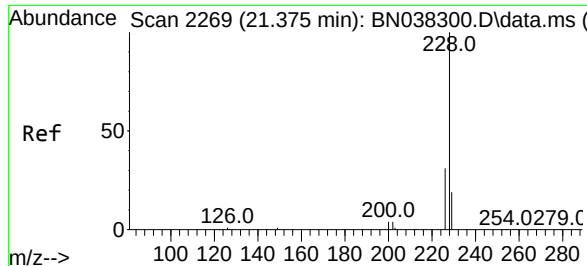
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.9	11.9
122	18.8	15.0	22.6



#32
Benzo(a)anthracene
Concen: 0.383 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.3	34.9
229	19.6	15.7	23.5





#33

Chrysene

Concen: 0.405 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

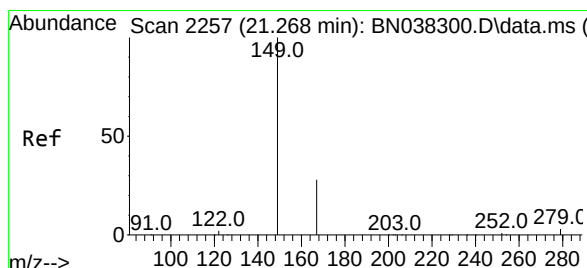
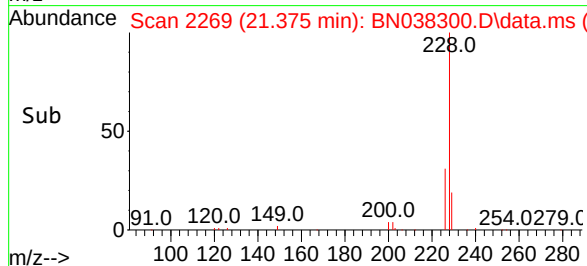
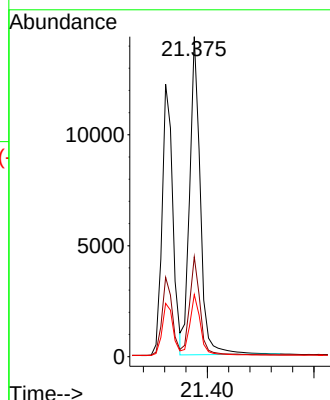
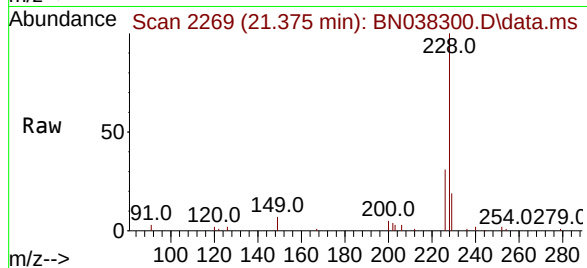
Tgt Ion:228 Resp: 19820

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.4

229 19.4 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.399 ng

RT: 21.268 min Scan# 2257

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

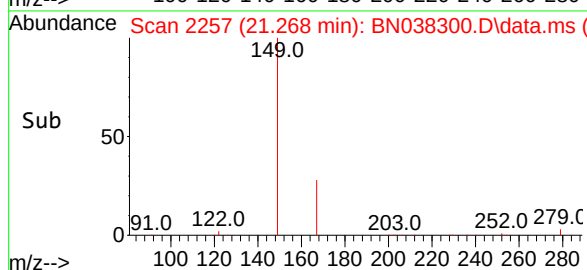
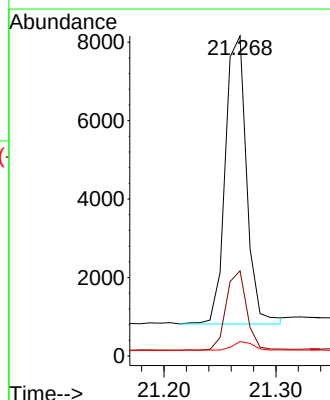
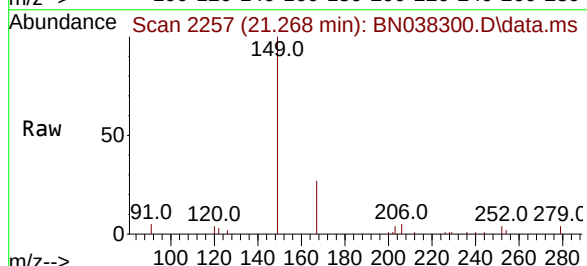
Tgt Ion:149 Resp: 9726

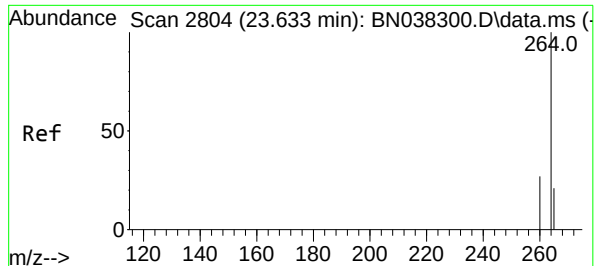
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 3.0 2.4 3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.633 min Scan# 2804

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

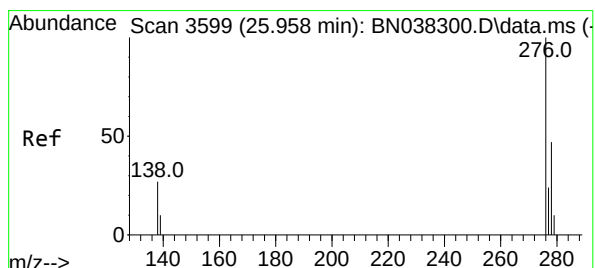
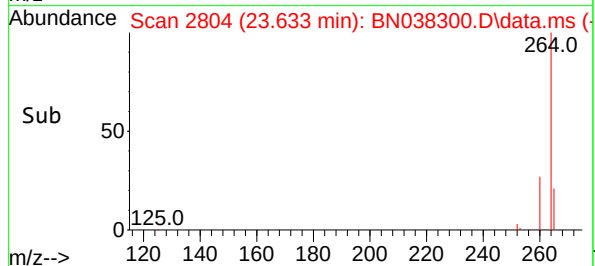
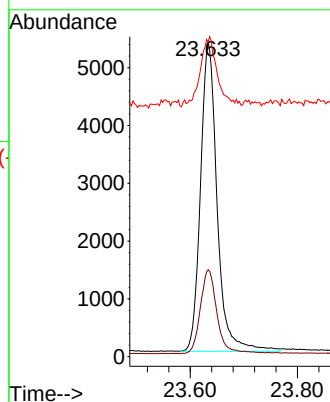
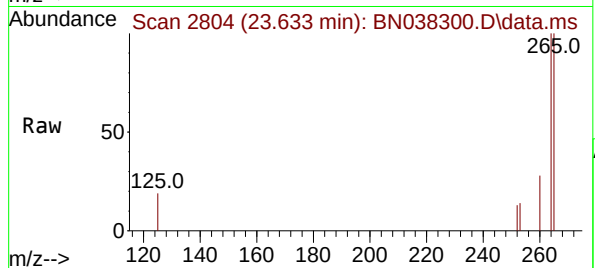
Tgt Ion:264 Resp: 11519

Ion Ratio Lower Upper

264 100

260 27.7 22.2 33.2

265 100.2 80.2 120.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.400 ng

RT: 25.958 min Scan# 3599

Delta R.T. -0.006 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

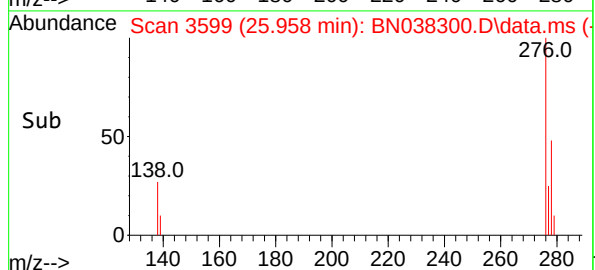
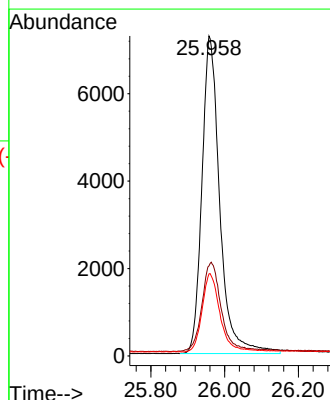
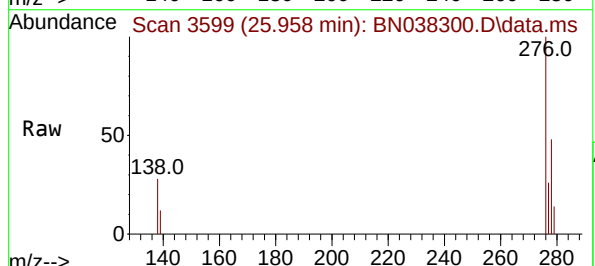
Tgt Ion:276 Resp: 24439

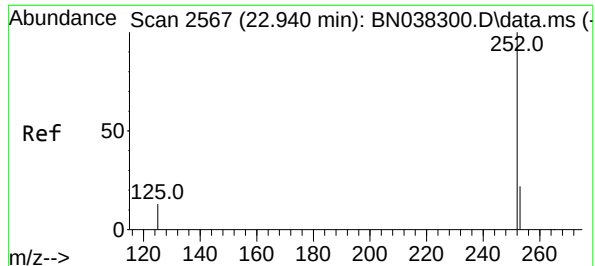
Ion Ratio Lower Upper

276 100

138 29.5 23.6 35.4

277 24.6 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.388 ng

RT: 22.940 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

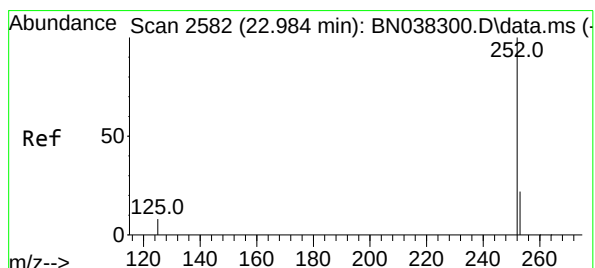
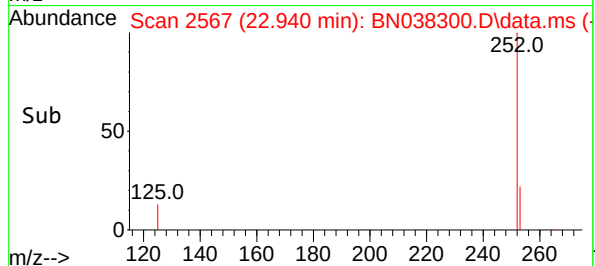
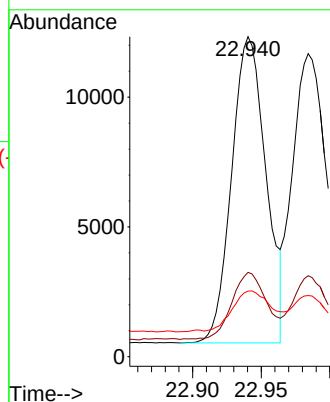
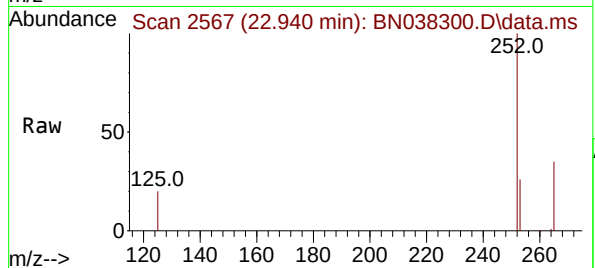
Tgt Ion:252 Resp: 20540

Ion Ratio Lower Upper

252 100

253 26.4 21.1 31.7

125 20.5 16.4 24.6



#38

Benzo(k)fluoranthene

Concen: 0.392 ng

RT: 22.984 min Scan# 2582

Delta R.T. -0.006 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

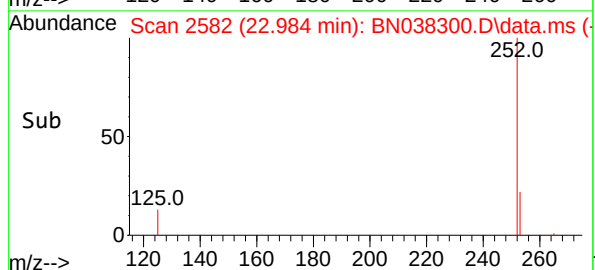
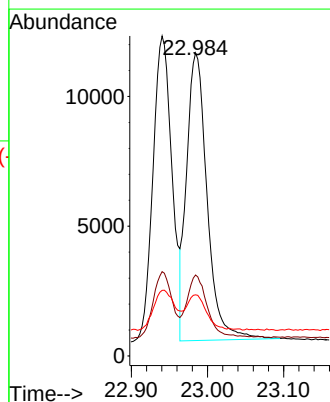
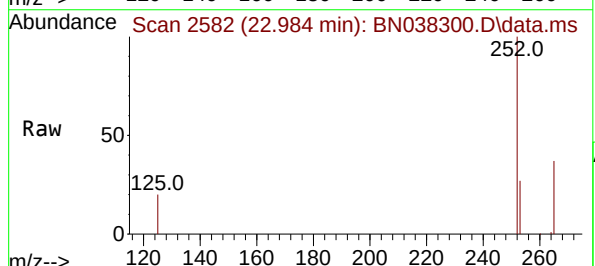
Tgt Ion:252 Resp: 20691

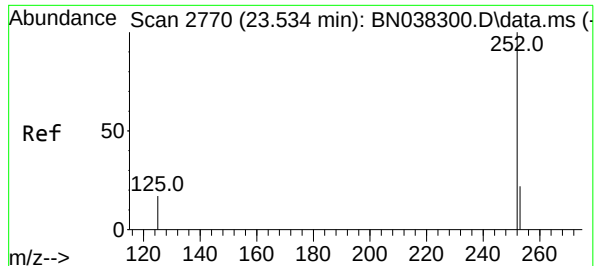
Ion Ratio Lower Upper

252 100

253 26.7 21.4 32.0

125 20.2 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.391 ng

RT: 23.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

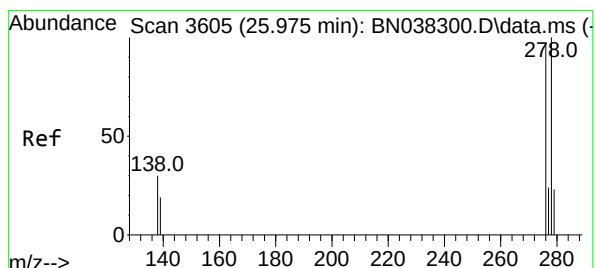
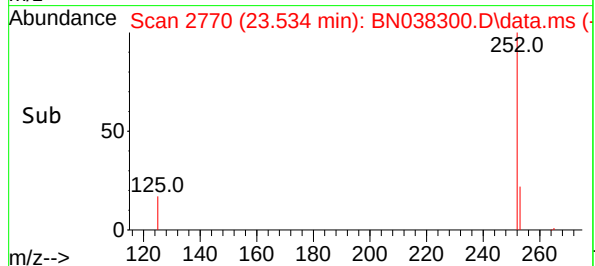
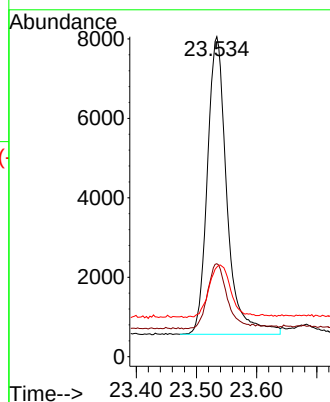
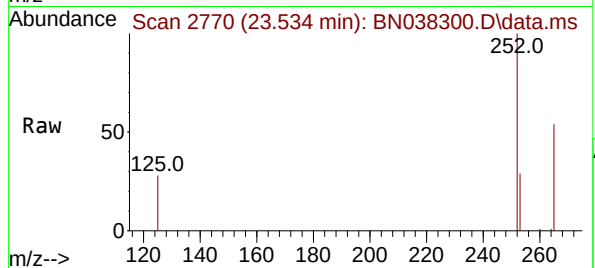
Tgt Ion:252 Resp: 16923

Ion Ratio Lower Upper

252 100

253 29.1 23.3 34.9

125 28.0 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.396 ng

RT: 25.975 min Scan# 3605

Delta R.T. -0.006 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

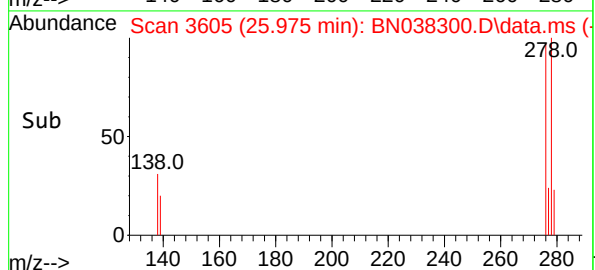
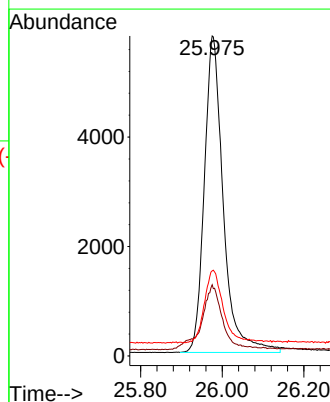
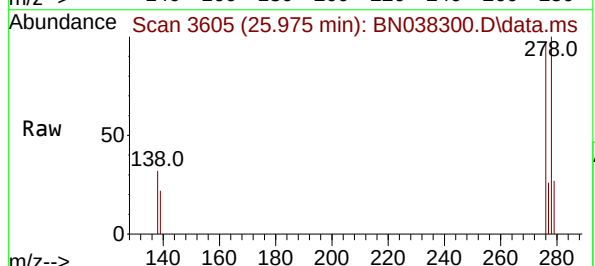
Tgt Ion:278 Resp: 18646

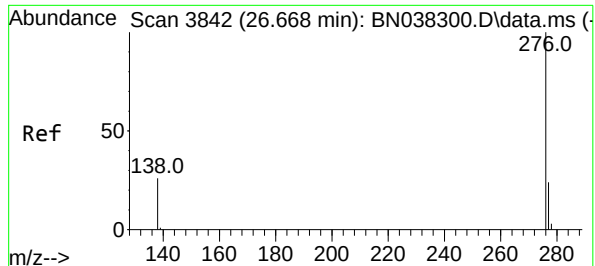
Ion Ratio Lower Upper

278 100

139 22.3 17.8 26.8

279 26.6 21.3 31.9





#41

Benzo(g,h,i)perylene

Concen: 0.396 ng

RT: 26.668 min Scan# 3842

Delta R.T. -0.009 min

Lab File: BN038300.D

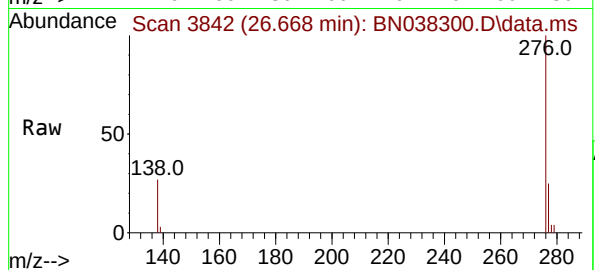
Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



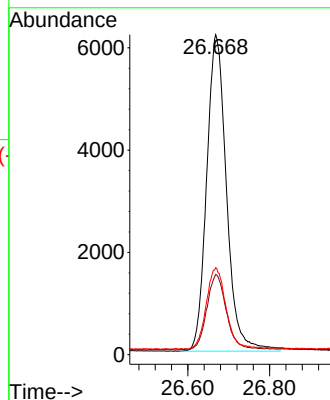
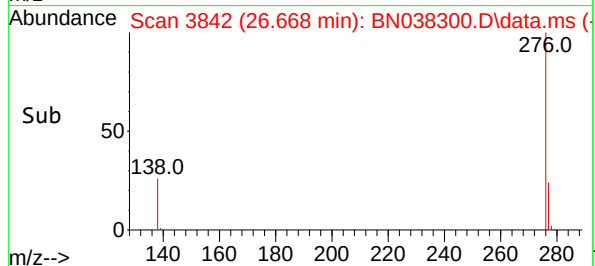
Tgt Ion:276 Resp: 20868

Ion Ratio Lower Upper

276 100

277 25.0 20.0 30.0

138 27.2 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038301.D
 Acq On : 10 Dec 2025 11:41
 Operator : RC/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.8

Quant Time: Dec 10 13:59:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

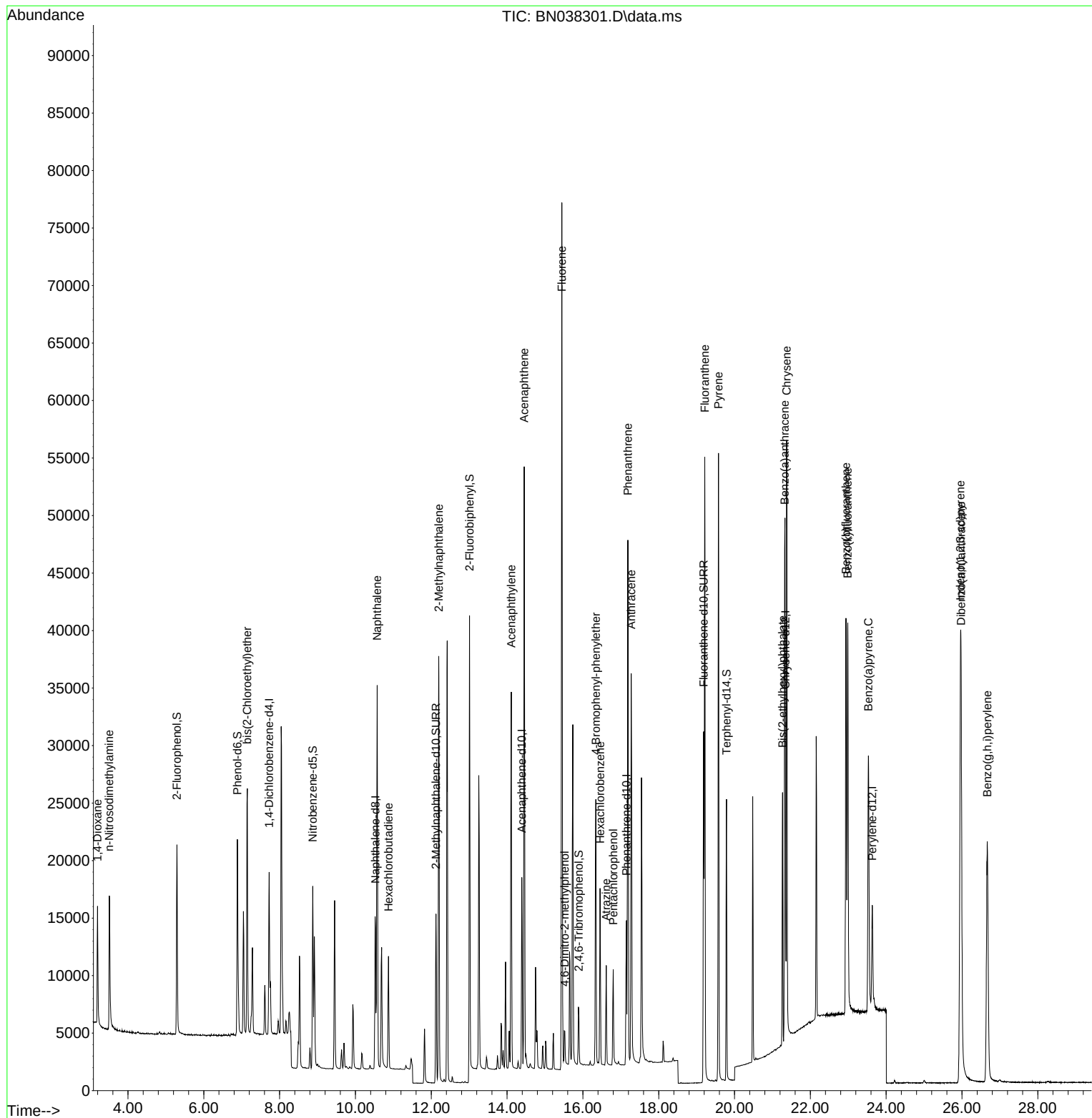
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6971	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	18433	0.400	ng	0.00
13) Acenaphthene-d10	14.387	164	9355	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	16598	0.400	ng	0.00
29) Chrysene-d12	21.340	240	12910	0.400	ng	0.00
35) Perylene-d12	23.633	264	12619	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	13677	0.788	ng	0.00
5) Phenol-d6	6.887	99	16146	0.782	ng	0.00
8) Nitrobenzene-d5	8.875	82	12246	0.788	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	20420	0.785	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	3151	0.759	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	34384	0.763	ng	0.00
27) Fluoranthene-d10	19.183	212	32647	0.795	ng	0.00
31) Terphenyl-d14	19.787	244	22718	0.789	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	6178	0.773	ng	98
3) n-Nitrosodimethylamine	3.507	42	7923	0.791	ng	99
6) bis(2-Chloroethyl)ether	7.147	93	16015	0.793	ng	98
9) Naphthalene	10.573	128	42584	0.782	ng	100
10) Hexachlorobutadiene	10.872	225	7618	0.787	ng	# 100
12) 2-Methylnaphthalene	12.197	142	27173	0.786	ng	99
16) Acenaphthylene	14.110	152	35839	0.780	ng	100
17) Acenaphthene	14.452	154	25275	0.790	ng	99
18) Fluorene	15.446	166	32463	0.788	ng	98
20) 4,6-Dinitro-2-methylph...	15.522	198	2122	0.777	ng	# 65
21) 4-Bromophenyl-phenylether	16.342	248	9669	0.785	ng	98
22) Hexachlorobenzene	16.453	284	11634	0.786	ng	99
23) Atrazine	16.615	200	6538	0.778	ng	97
24) Pentachlorophenol	16.801	266	4199	0.727	ng	99
25) Phenanthrene	17.186	178	44807	0.776	ng	100
26) Anthracene	17.273	178	39515	0.793	ng	99
28) Fluoranthene	19.215	202	48652	0.792	ng	99
30) Pyrene	19.578	202	49288	0.776	ng	100
32) Benzo(a)anthracene	21.322	228	38762	0.777	ng	99
33) Chrysene	21.375	228	44128	0.804	ng	100
34) Bis(2-ethylhexyl)phtha...	21.268	149	20109	0.735	ng	100
36) Indeno(1,2,3-cd)pyrene	25.960	276	53409	0.798	ng	100
37) Benzo(b)fluoranthene	22.940	252	44814	0.773	ng	# 93
38) Benzo(k)fluoranthene	22.987	252	45726	0.791	ng	# 93
39) Benzo(a)pyrene	23.531	252	36830	0.776	ng	# 88
40) Dibenzo(a,h)anthracene	25.978	278	40988	0.794	ng	97
41) Benzo(g,h,i)perylene	26.668	276	45587	0.790	ng	98

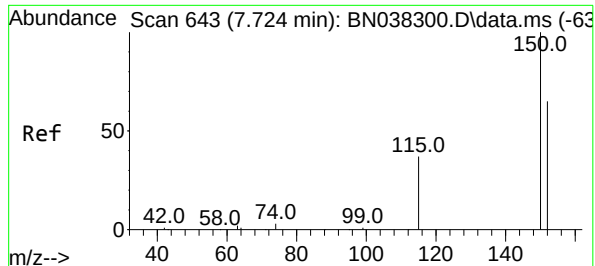
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
Data File : BN038301.D
Acq On : 10 Dec 2025 11:41
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Dec 10 13:59:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

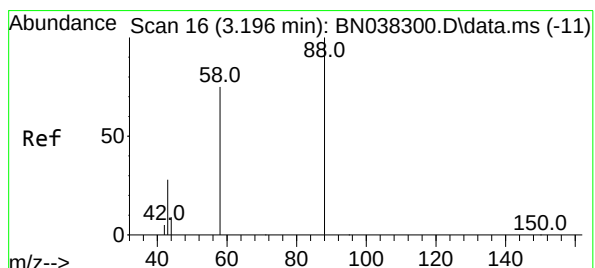
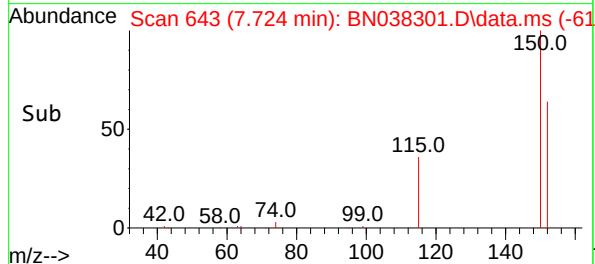
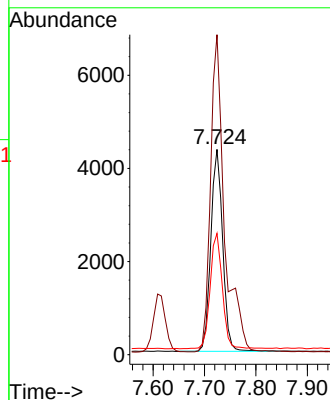
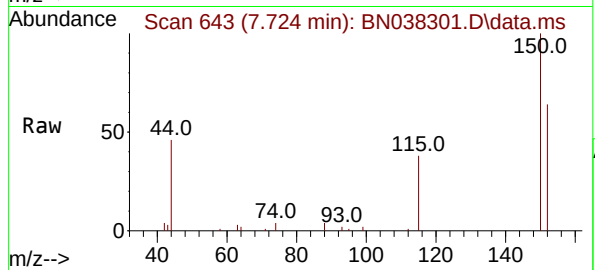




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

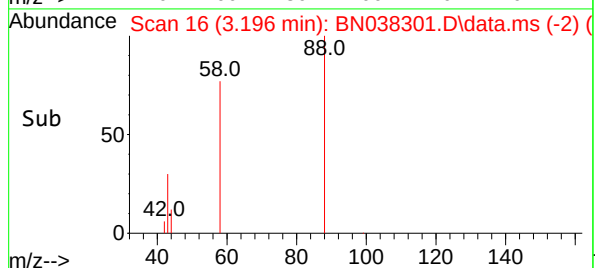
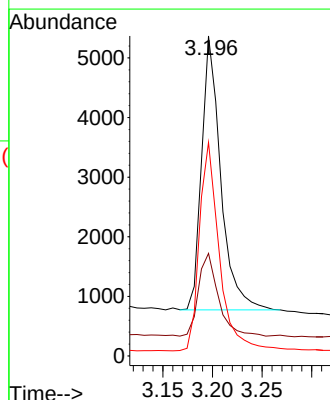
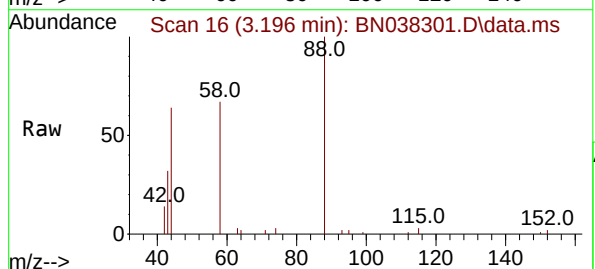
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

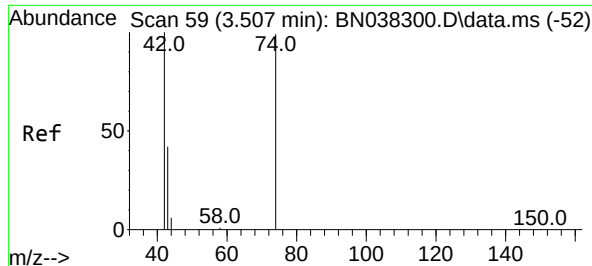
Tgt Ion:152 Resp: 6971
Ion Ratio Lower Upper
152 100
150 155.9 122.4 183.6
115 59.1 47.3 70.9



#2
1,4-Dioxane
Concen: 0.773 ng
RT: 3.196 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion: 88 Resp: 6178
Ion Ratio Lower Upper
88 100
43 31.3 24.9 37.3
58 79.4 61.4 92.0

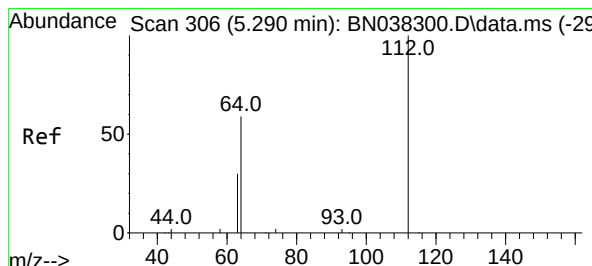
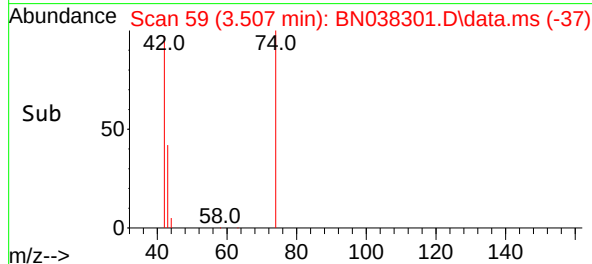
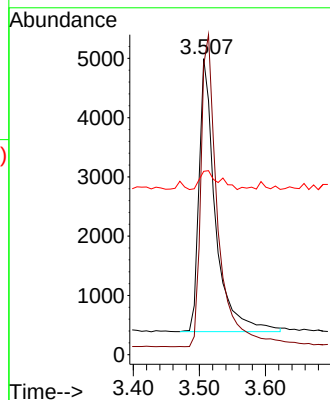
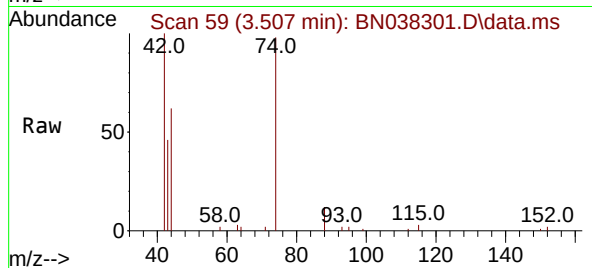




#3
n-Nitrosodimethylamine
Concen: 0.791 ng
RT: 3.507 min Scan# 59
Delta R.T. 0.007 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

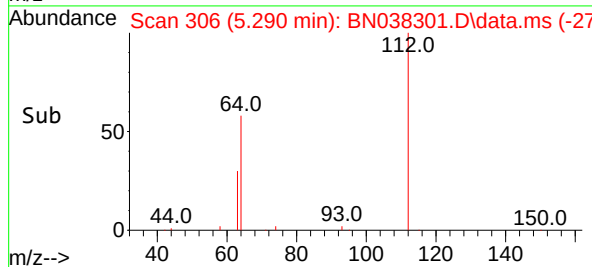
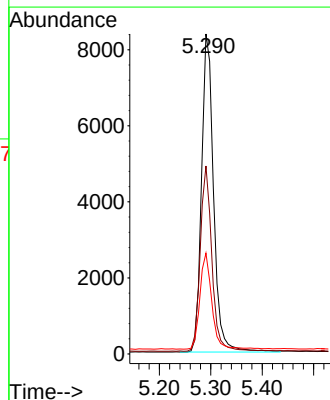
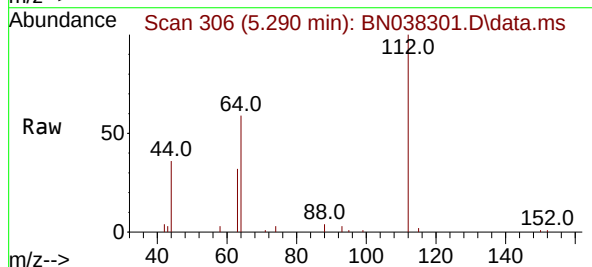
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

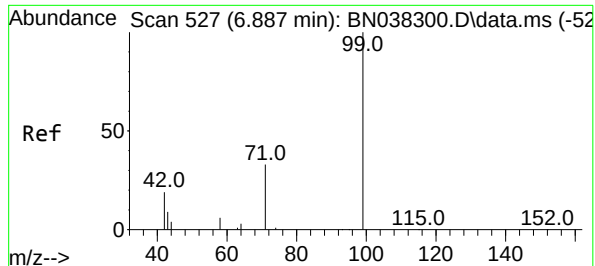
Tgt Ion: 42 Resp: 7923
Ion Ratio Lower Upper
42 100
74 118.6 95.3 142.9
44 8.2 7.9 11.9



#4
2-Fluorophenol
Concen: 0.788 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion: 112 Resp: 13677
Ion Ratio Lower Upper
112 100
64 56.4 44.4 66.6
63 29.7 23.4 35.0

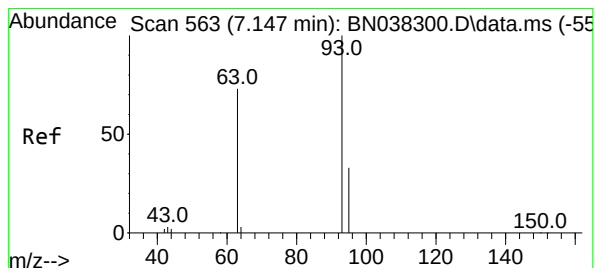
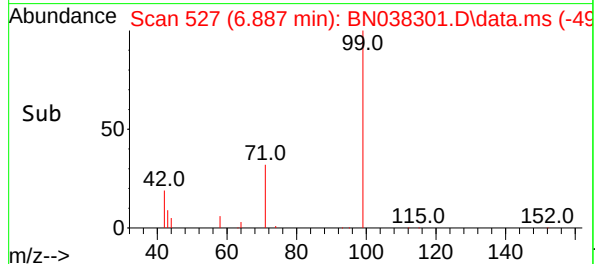
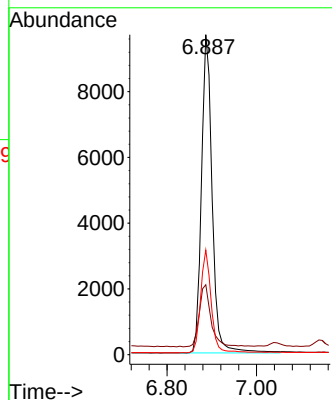
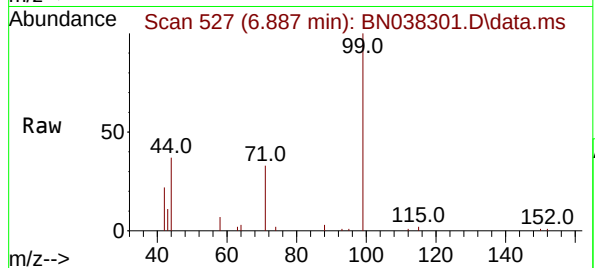




#5
Phenol-d6
Concen: 0.782 ng
RT: 6.887 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

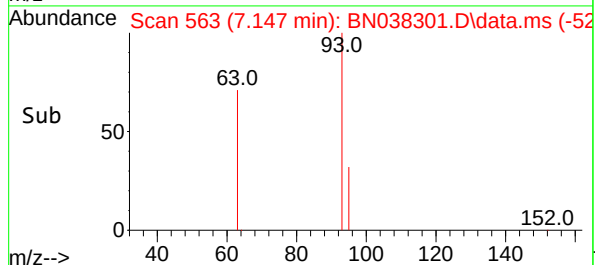
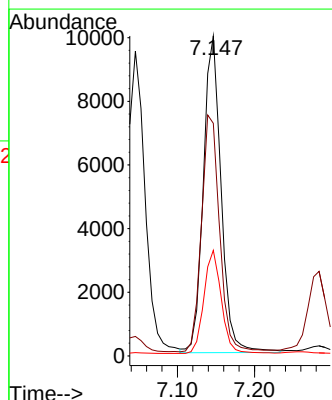
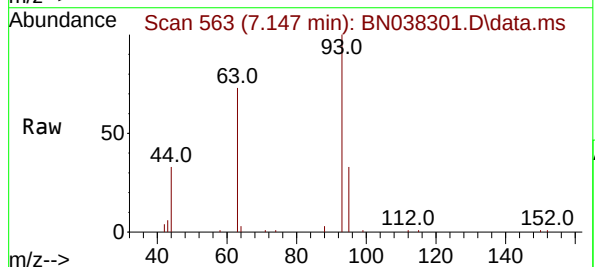
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

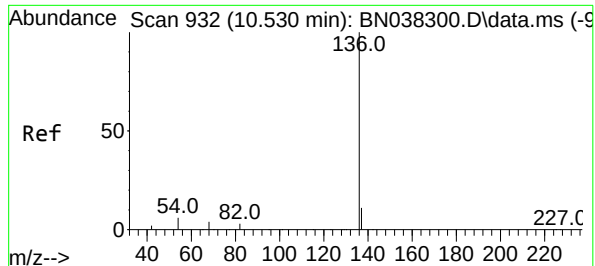
Tgt Ion: 99 Resp: 16146
Ion Ratio Lower Upper
99 100
42 21.4 16.5 24.7
71 31.9 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 0.793 ng
RT: 7.147 min Scan# 563
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion: 93 Resp: 16015
Ion Ratio Lower Upper
93 100
63 75.9 59.2 88.8
95 31.7 25.2 37.8

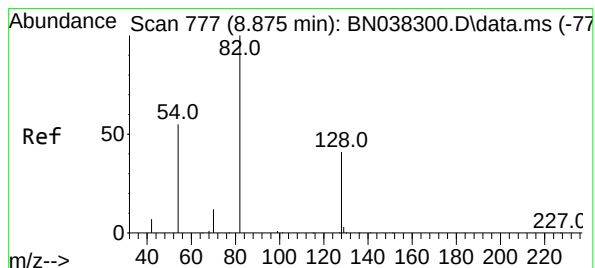
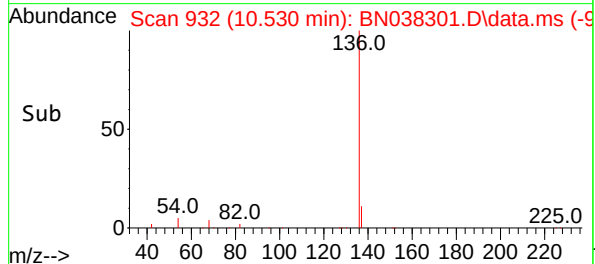
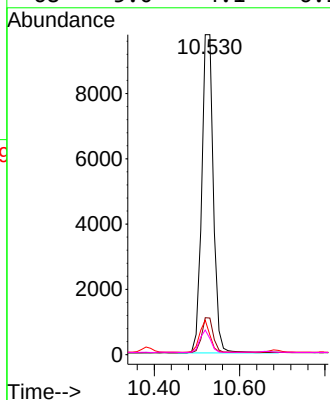
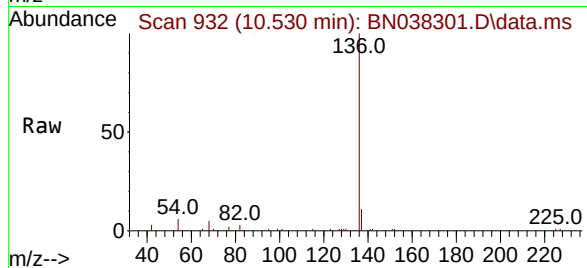




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

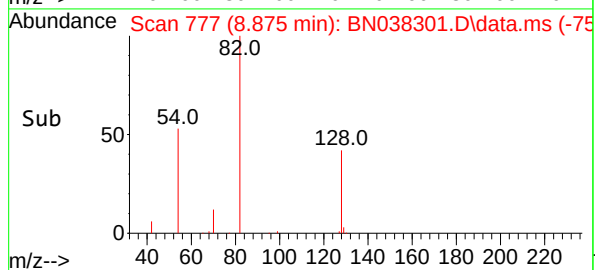
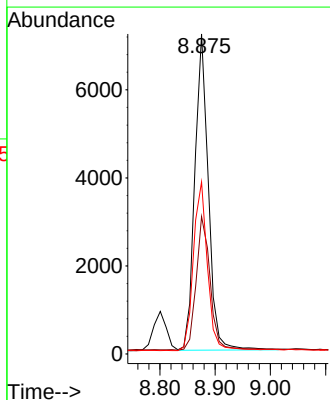
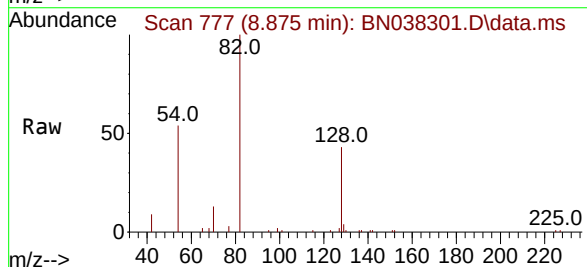
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

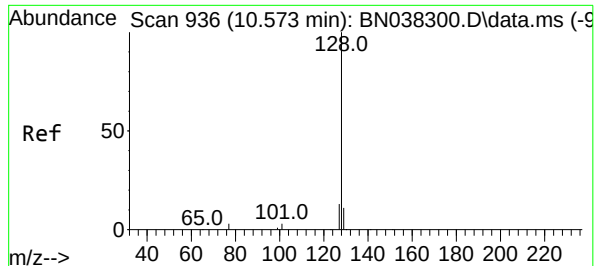
Tgt Ion:	136	Resp:	18433
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	6.2	5.2	7.8
68	5.0	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.788 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion:	82	Resp:	12246
Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.0	51.0
54	53.8	44.4	66.6

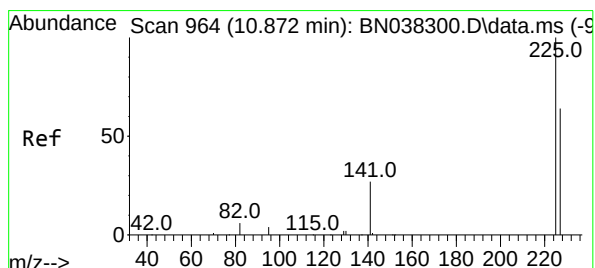
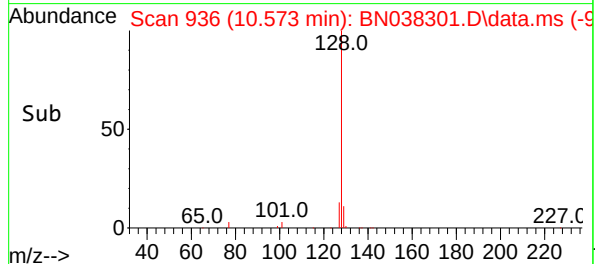
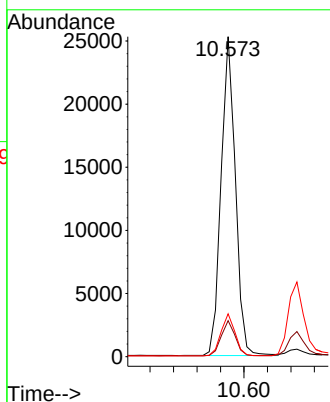
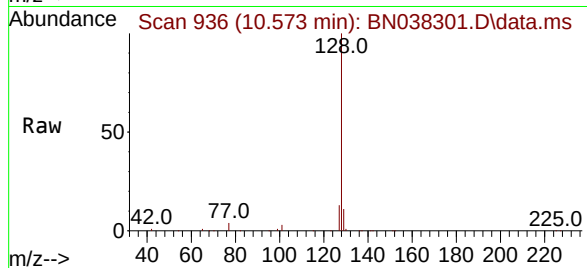




#9
Naphthalene
Concen: 0.782 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

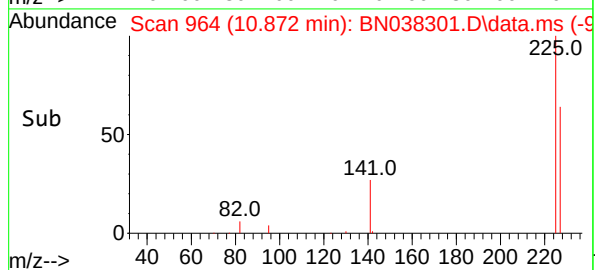
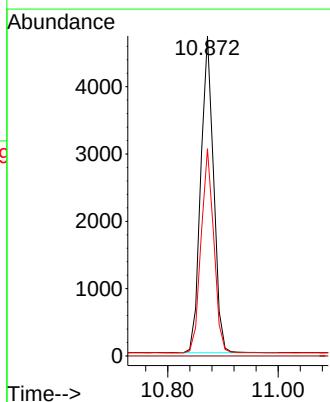
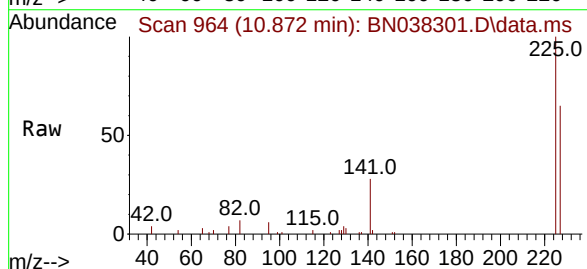
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

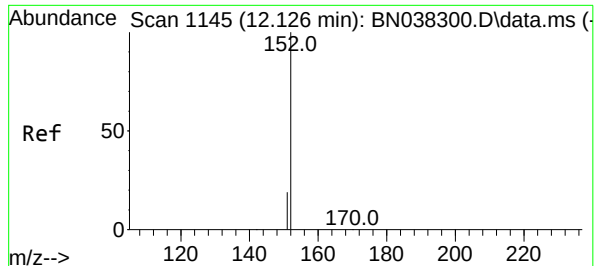
Tgt Ion:128 Resp: 42584
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.4 10.9 16.3



#10
Hexachlorobutadiene
Concen: 0.787 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion:225 Resp: 7618
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 51.2 76.8

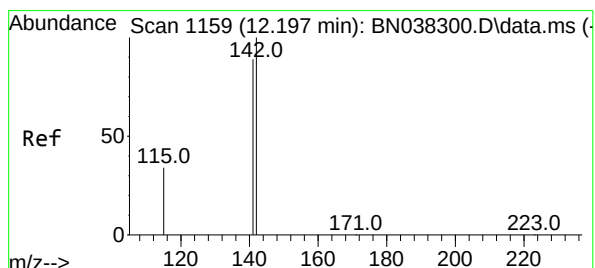
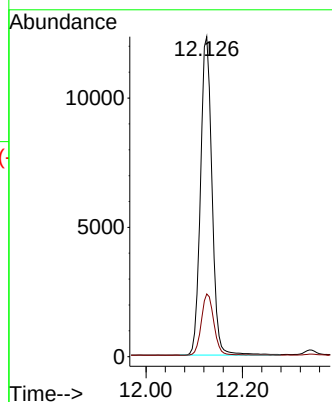
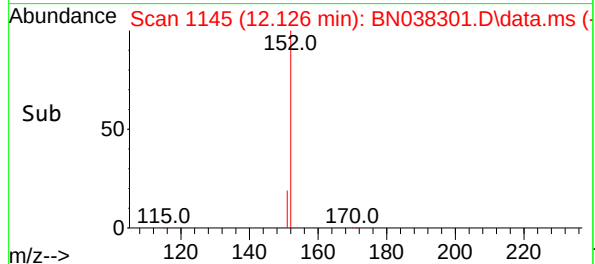
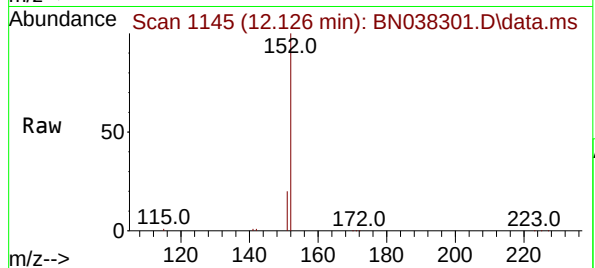




#11
2-Methylnaphthalene-d10
Concen: 0.785 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

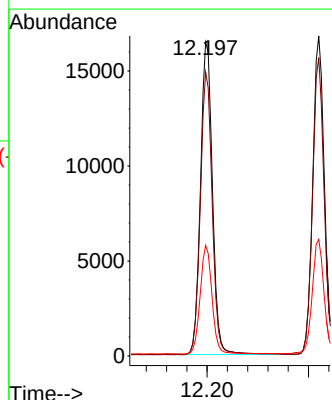
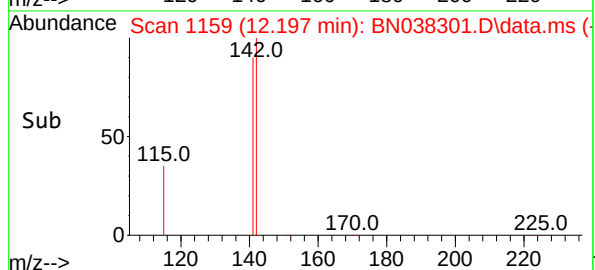
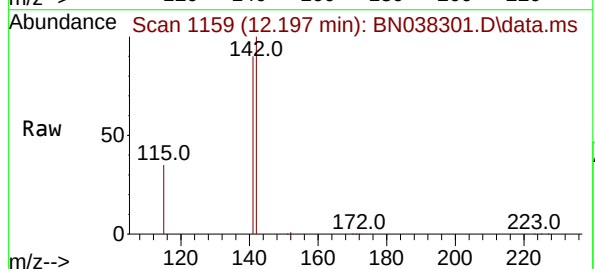
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

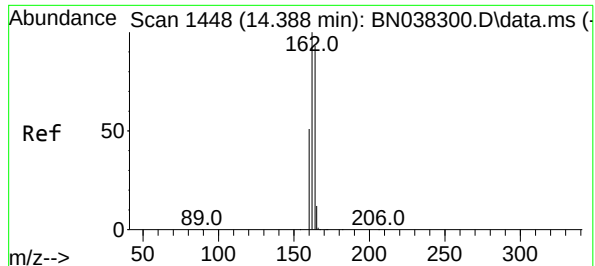
Tgt Ion:152 Resp: 20420
Ion Ratio Lower Upper
152 100
151 21.0 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.786 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion:142 Resp: 27173
Ion Ratio Lower Upper
142 100
141 90.4 71.4 107.2
115 35.2 28.4 42.6

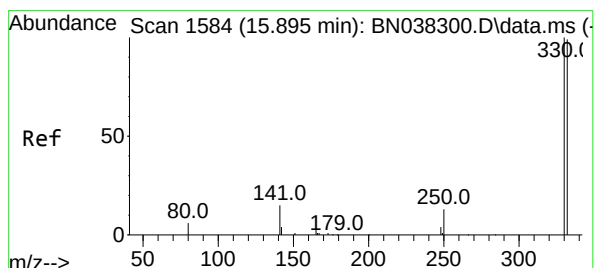
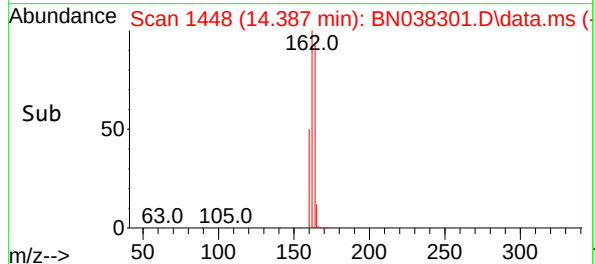
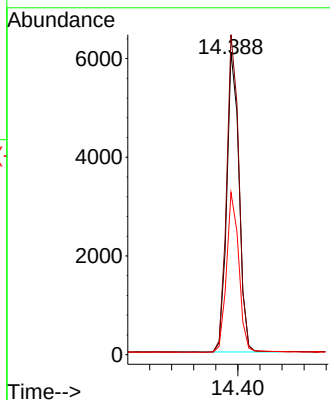
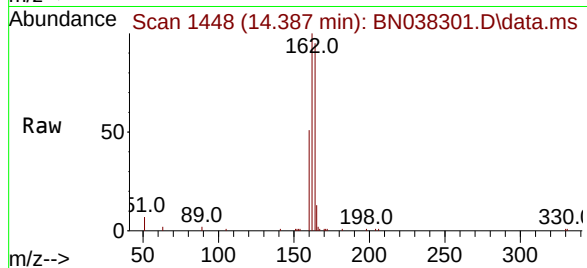




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.387 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

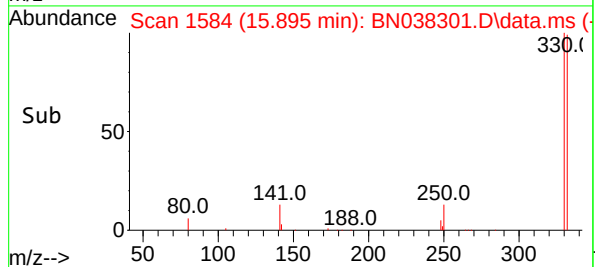
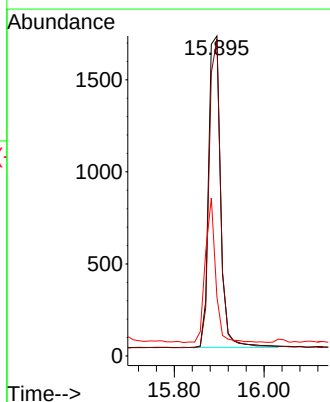
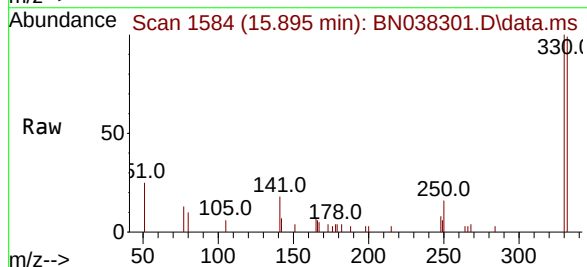
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

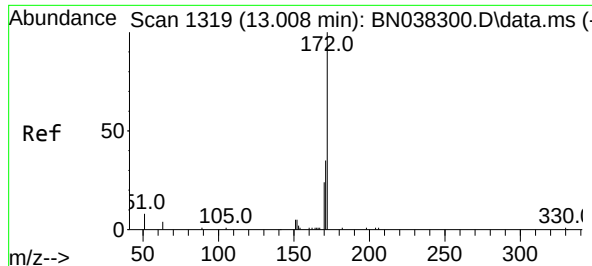
Tgt Ion:164 Resp: 9355
Ion Ratio Lower Upper
164 100
162 105.8 86.2 129.4
160 53.6 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.759 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion:330 Resp: 3151
Ion Ratio Lower Upper
330 100
332 95.0 75.8 113.6
141 39.9 31.8 47.8

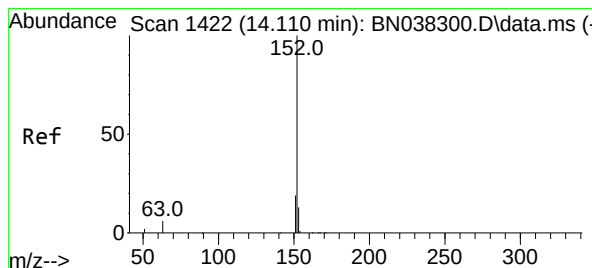
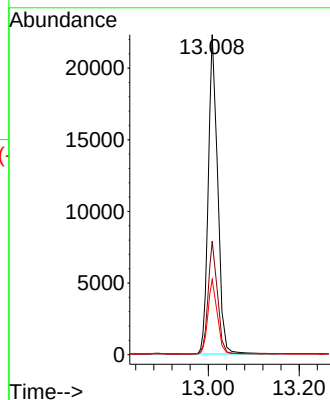
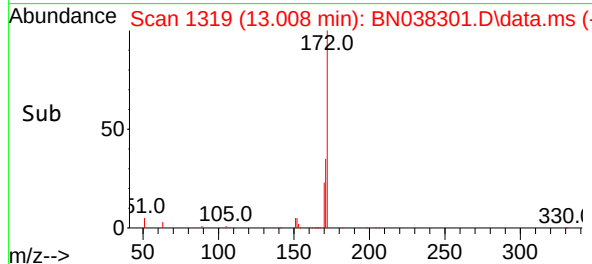
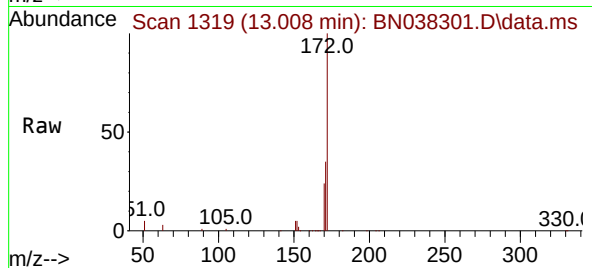




#15
2-Fluorobiphenyl
Concen: 0.763 ng
RT: 13.008 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

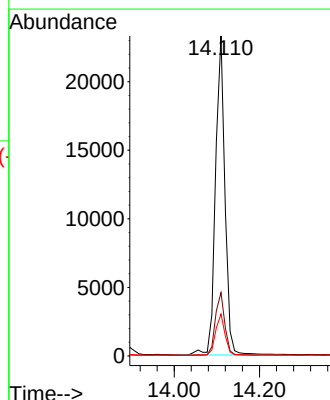
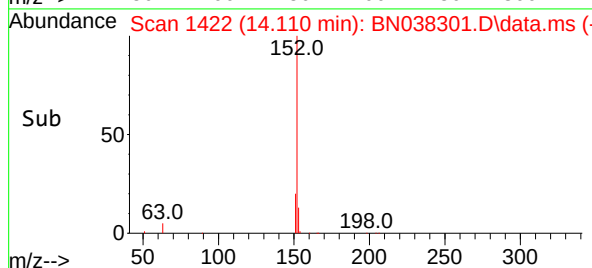
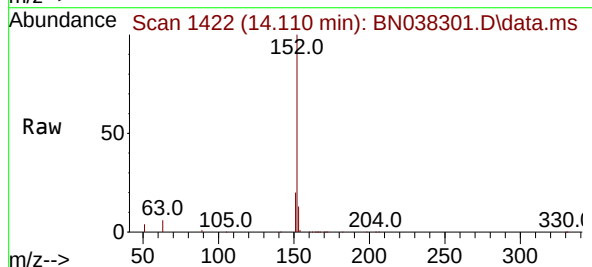
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

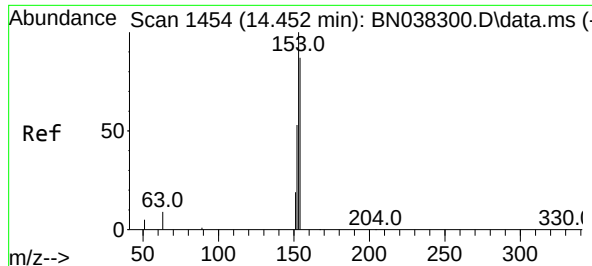
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.5	19.3	28.9



#16
Acenaphthylene
Concen: 0.780 ng
RT: 14.110 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.2
153	12.9	10.2	15.4

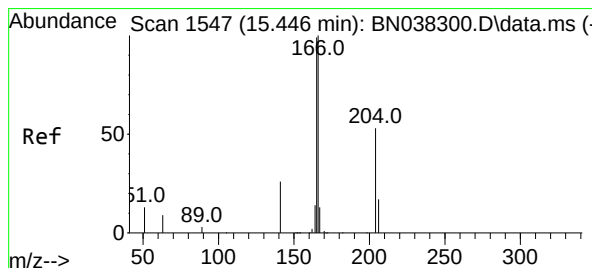
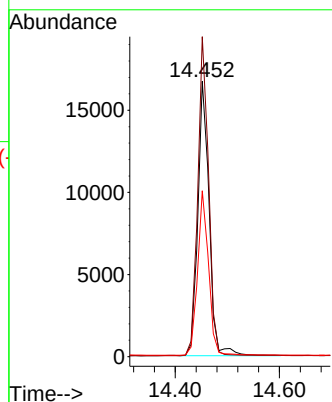
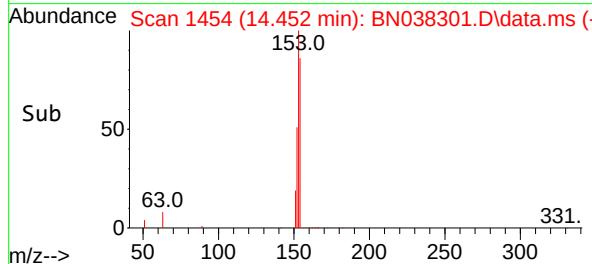
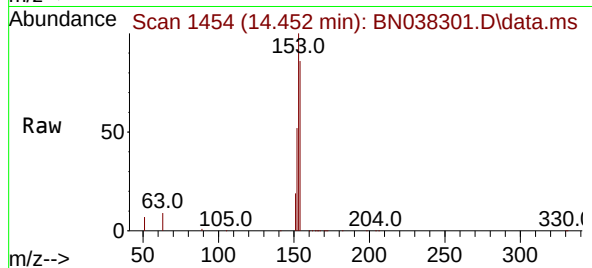




#17
Acenaphthene
Concen: 0.790 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

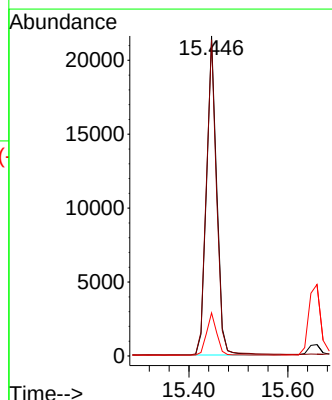
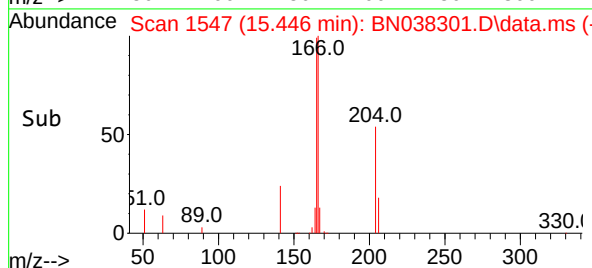
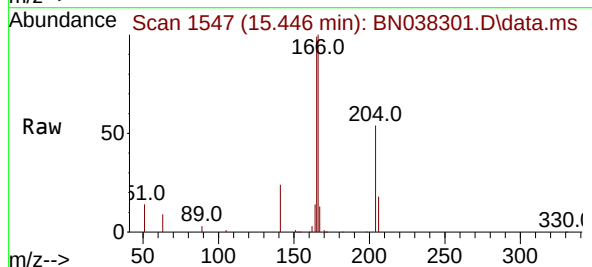
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

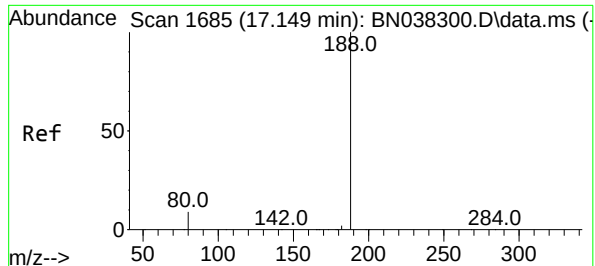
Tgt Ion:154 Resp: 25275
Ion Ratio Lower Upper
154 100
153 111.7 89.8 134.8
152 58.2 47.5 71.3



#18
Fluorene
Concen: 0.788 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion:166 Resp: 32463
Ion Ratio Lower Upper
166 100
165 98.3 80.2 120.4
167 13.2 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

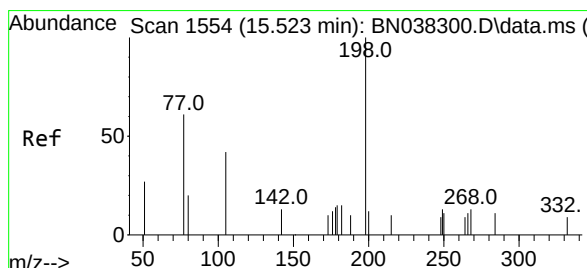
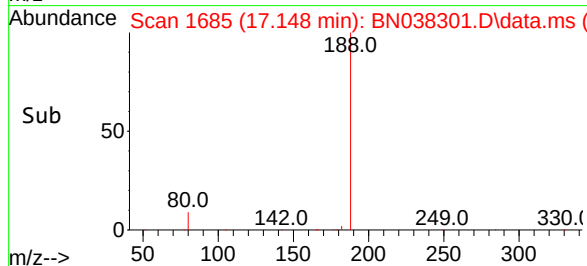
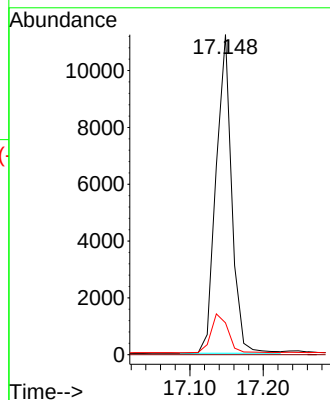
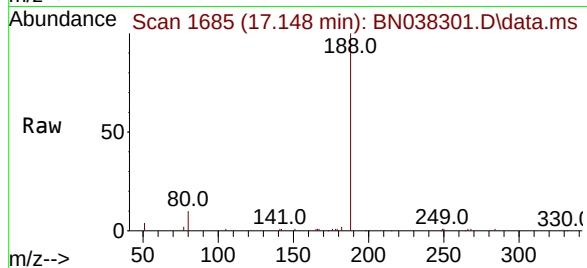
Tgt Ion:188 Resp: 16598

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.9 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.777 ng

RT: 15.522 min Scan# 1554

Delta R.T. 0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

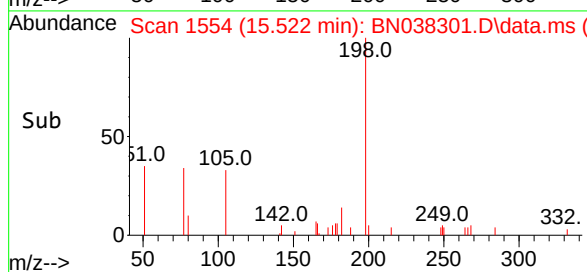
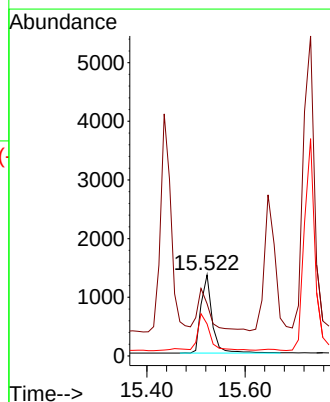
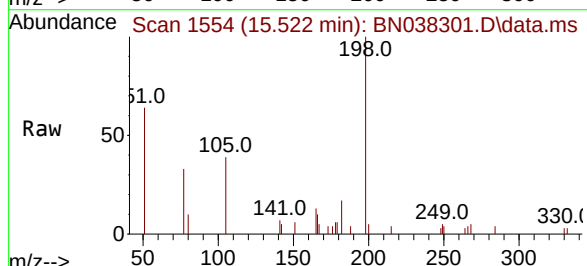
Tgt Ion:198 Resp: 2122

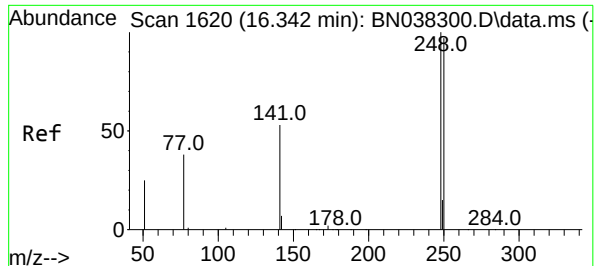
Ion Ratio Lower Upper

198 100

51 64.3 86.3 129.5#

105 39.4 45.3 67.9#

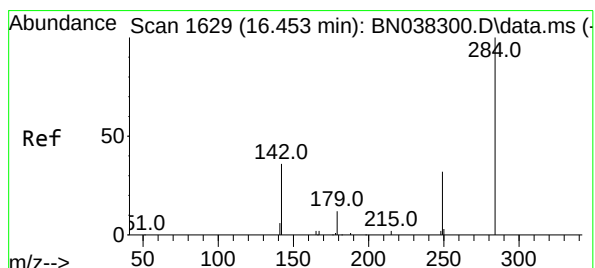
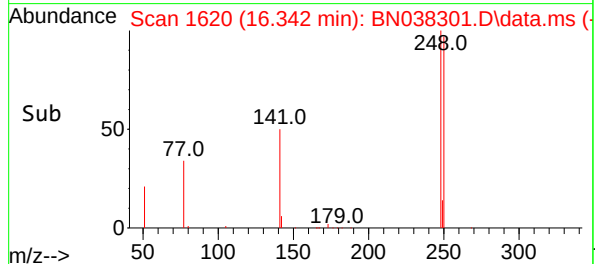
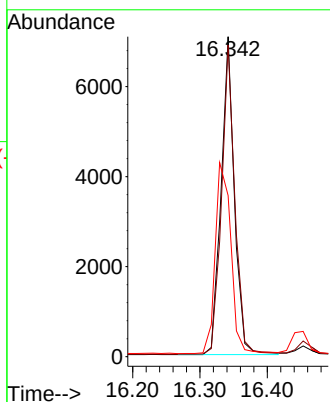
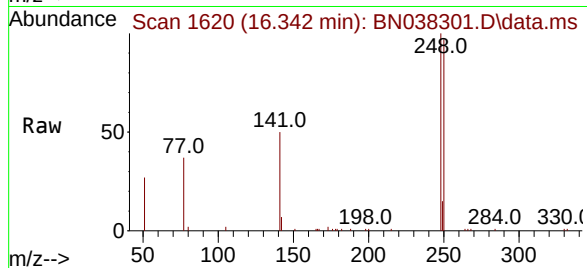




#21
4-Bromophenyl-phenylether
Concen: 0.785 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

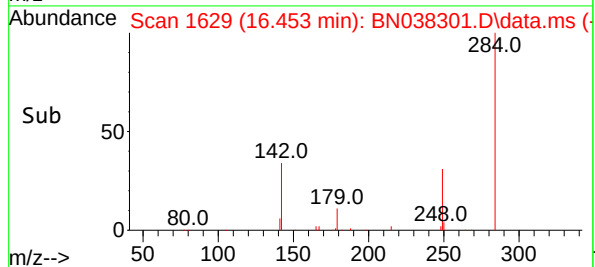
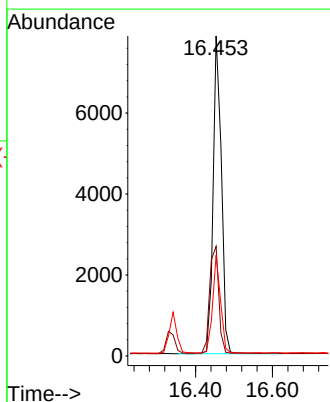
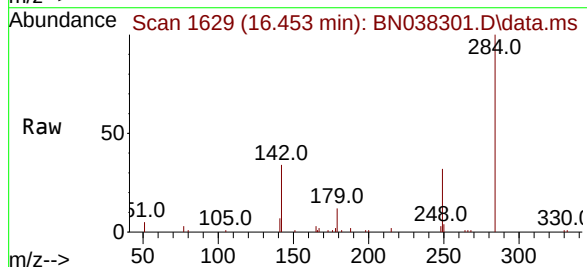
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

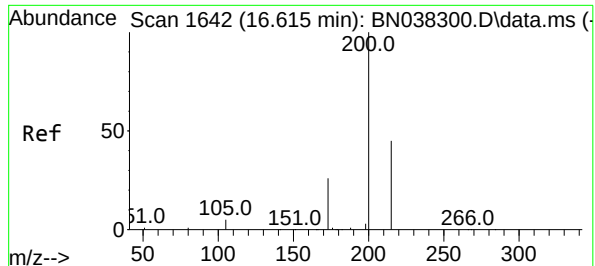
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.2	117.2
141	50.4	43.7	65.5



#22
Hexachlorobenzene
Concen: 0.786 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.3	29.5	44.3
249	29.4	23.7	35.5

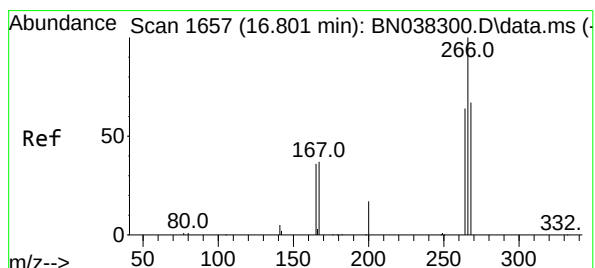
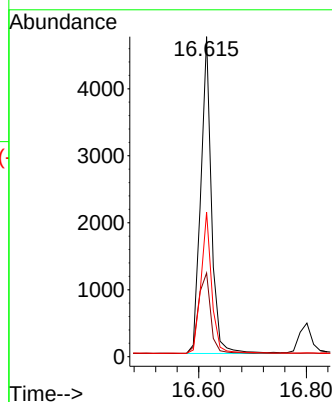
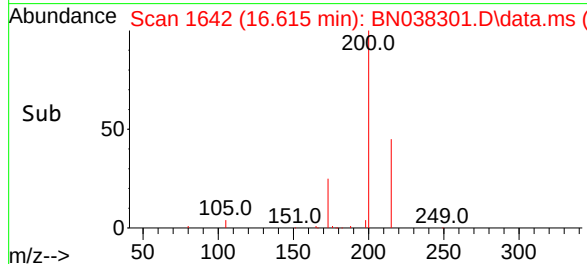
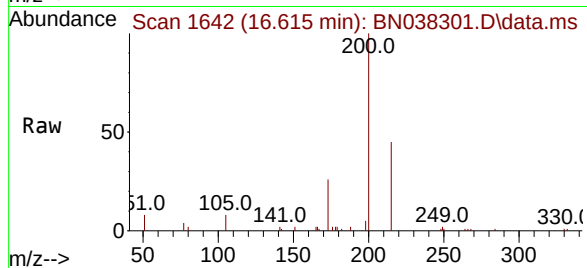




#23
Atrazine
Concen: 0.778 ng
RT: 16.615 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

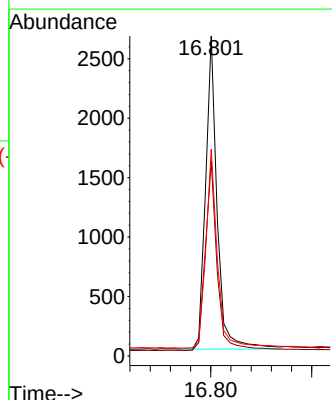
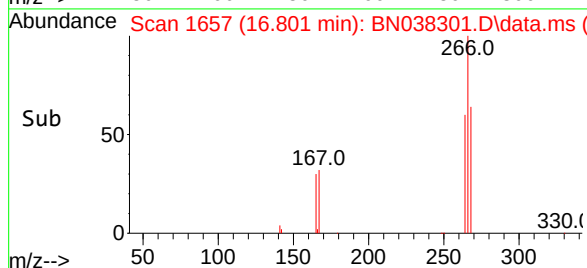
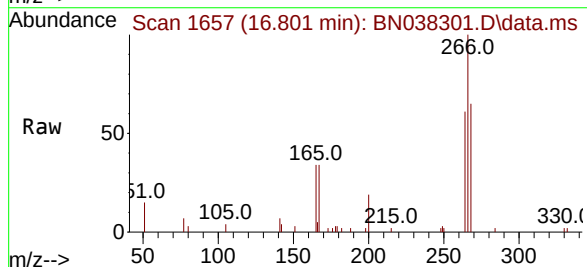
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

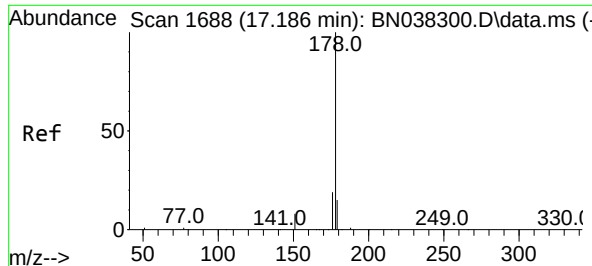
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.2	22.1	33.1
215	45.1	37.4	56.2



#24
Pentachlorophenol
Concen: 0.727 ng
RT: 16.801 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.0	50.2	75.2
268	64.3	52.6	78.8

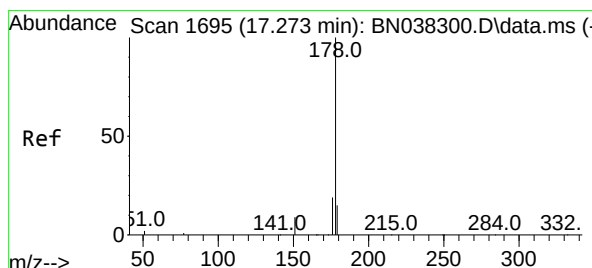
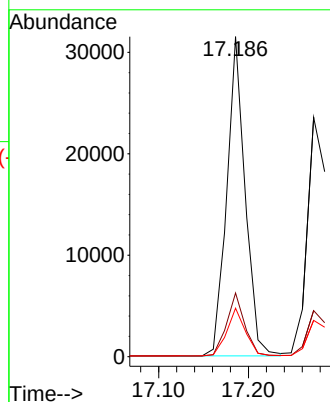
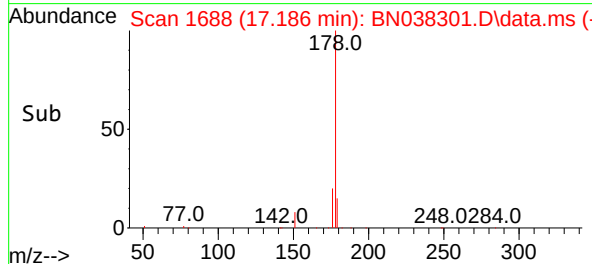
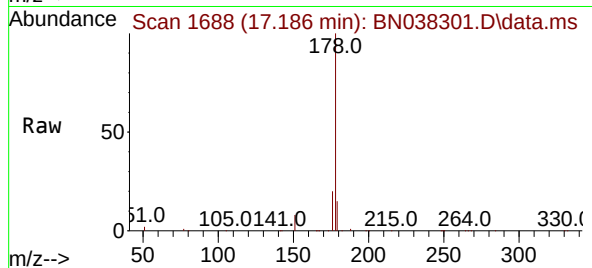




#25
Phenanthrene
Concen: 0.776 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

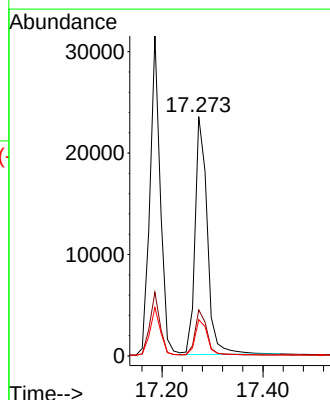
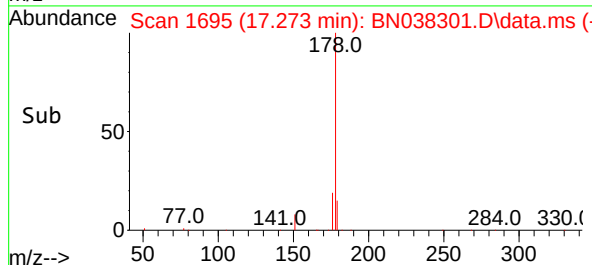
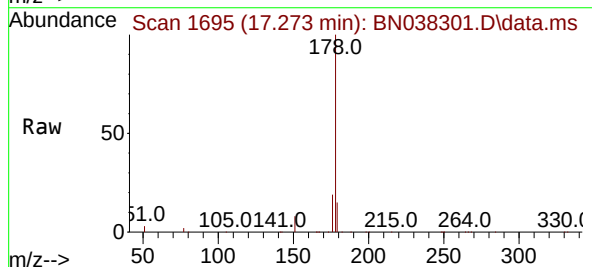
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

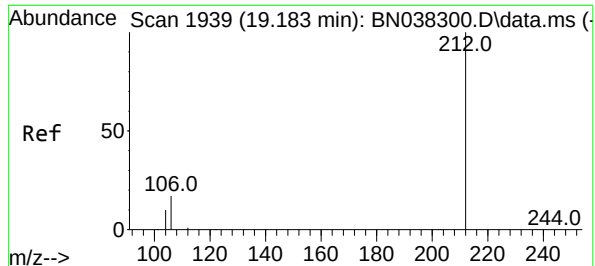
Tgt Ion:178 Resp: 44807
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.2 12.2 18.2



#26
Anthracene
Concen: 0.793 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion:178 Resp: 39515
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.2 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.795 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

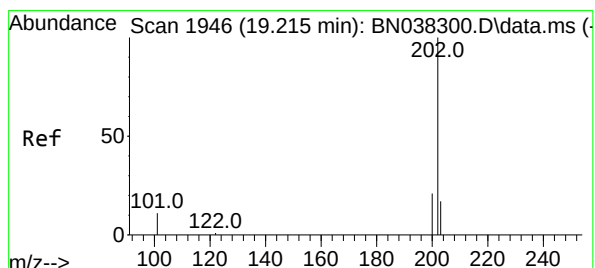
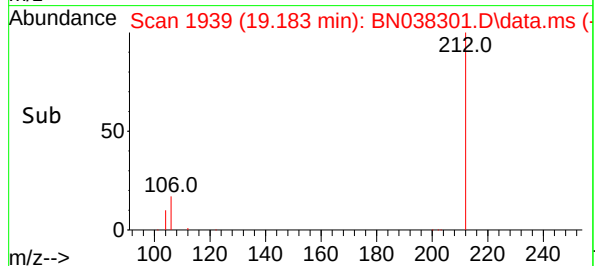
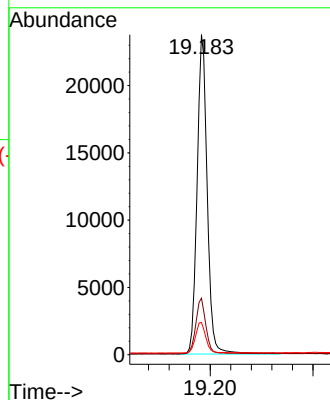
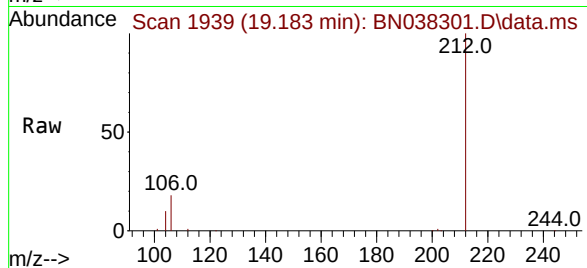
Tgt Ion:212 Resp: 32647

Ion Ratio Lower Upper

212 100

106 17.2 13.7 20.5

104 9.7 7.8 11.8



#28

Fluoranthene

Concen: 0.792 ng

RT: 19.215 min Scan# 1946

Delta R.T. -0.005 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

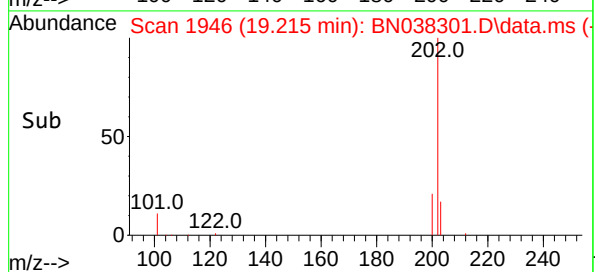
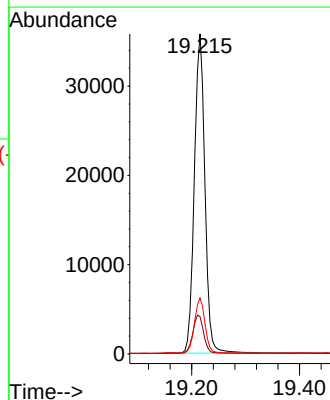
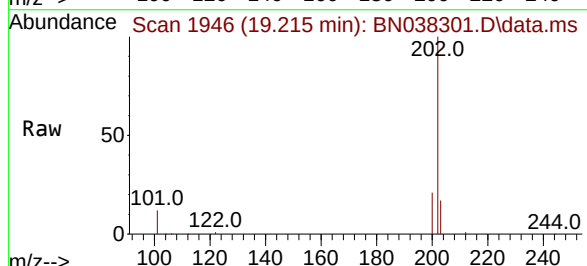
Tgt Ion:202 Resp: 48652

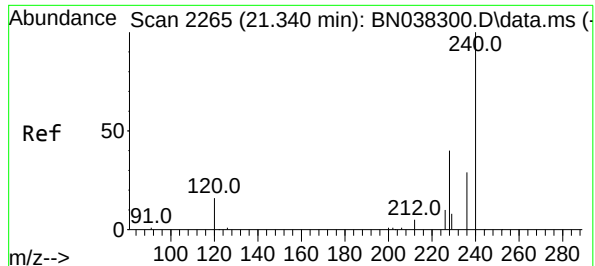
Ion Ratio Lower Upper

202 100

101 12.5 9.6 14.4

203 16.9 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

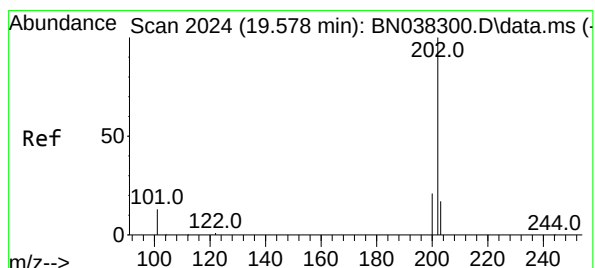
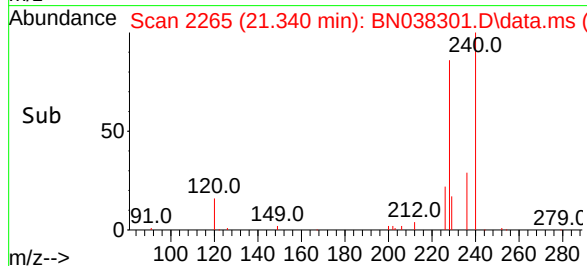
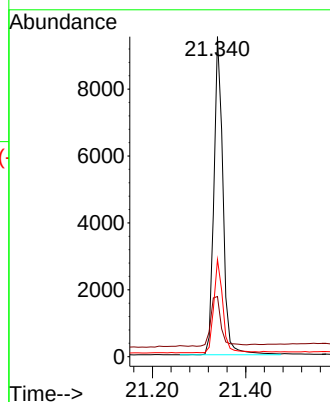
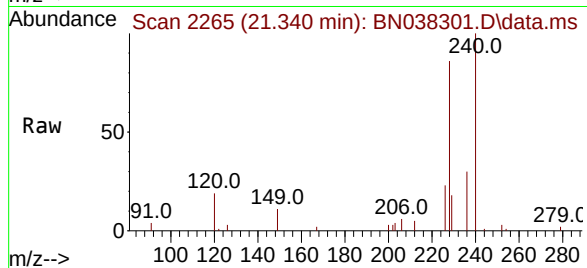
Tgt Ion:240 Resp: 12910

Ion Ratio Lower Upper

240 100

120 18.8 15.4 23.2

236 30.3 23.9 35.9



#30

Pyrene

Concen: 0.776 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.005 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

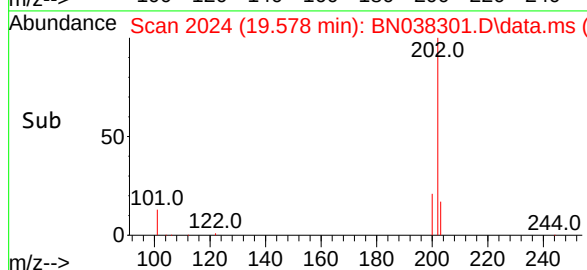
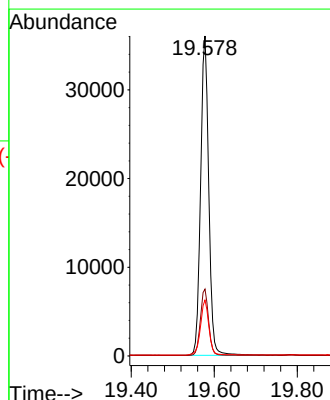
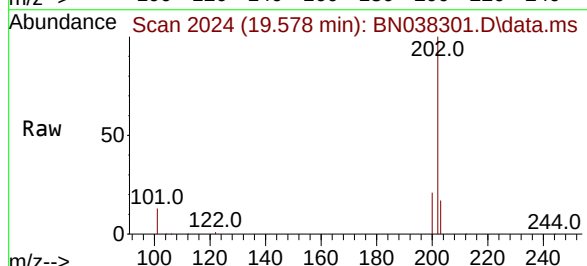
Tgt Ion:202 Resp: 49288

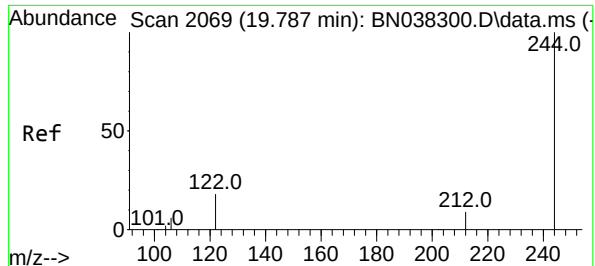
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 17.6 14.2 21.2

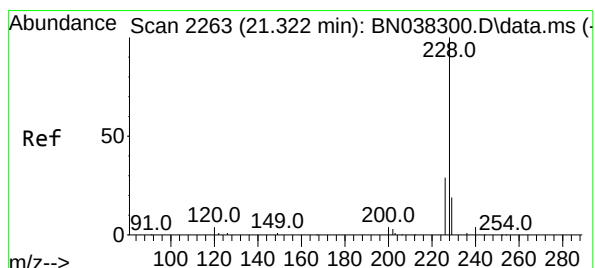
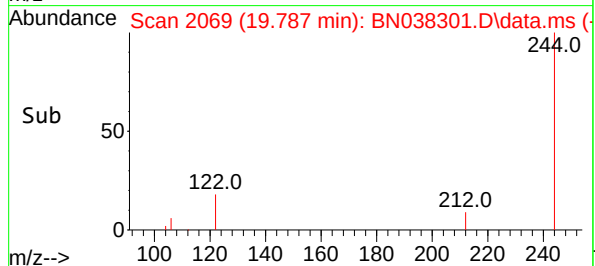
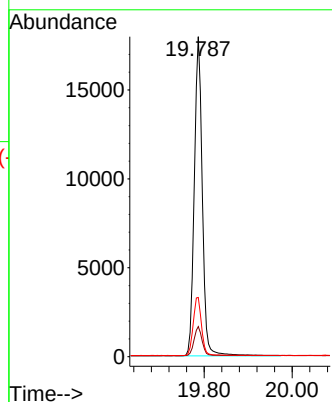
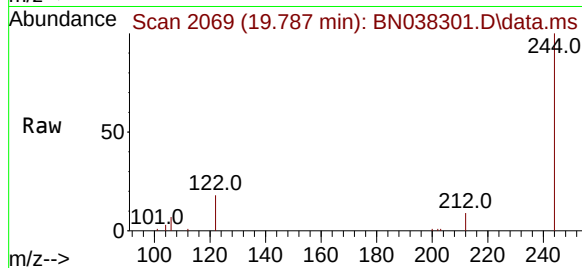




#31
Terphenyl-d14
Concen: 0.789 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

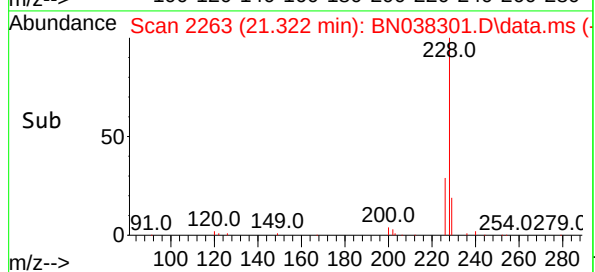
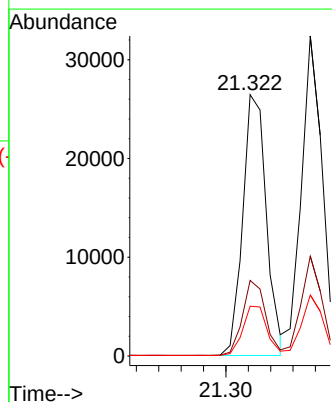
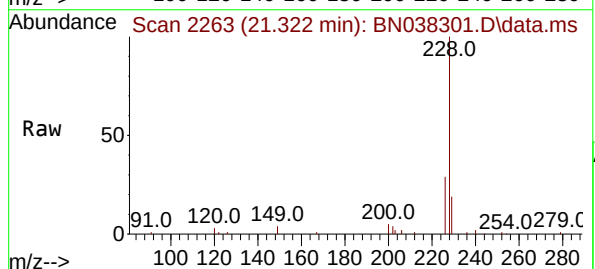
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

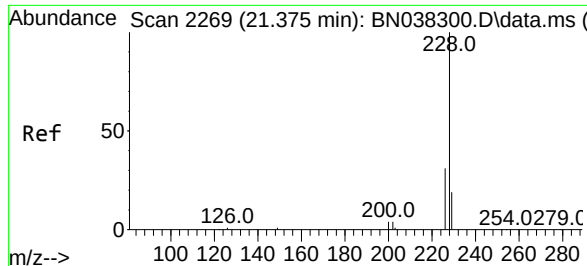
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.9	11.9
122	18.5	15.0	22.6



#32
Benzo(a)anthracene
Concen: 0.777 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.3	34.9
229	19.1	15.7	23.5





#33

Chrysene

Concen: 0.804 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

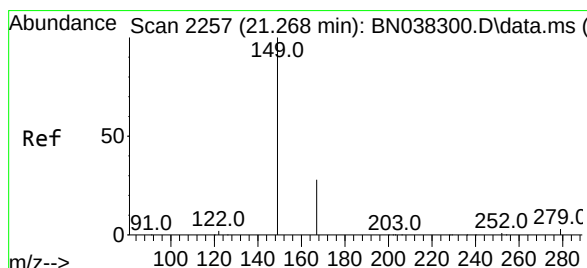
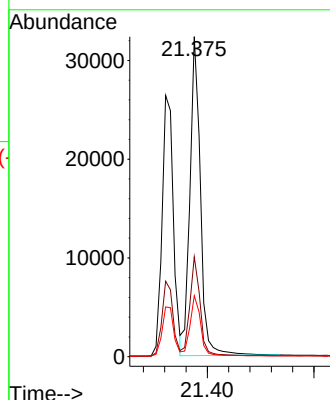
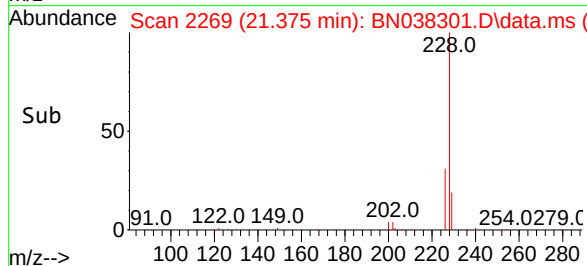
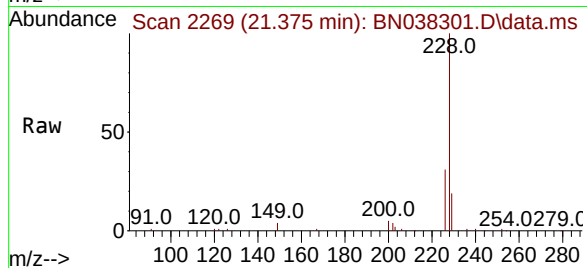
Tgt Ion:228 Resp: 44128

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.4

229 19.1 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.735 ng

RT: 21.268 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

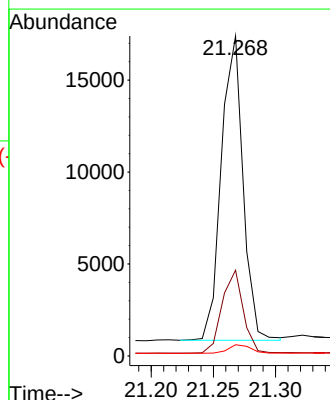
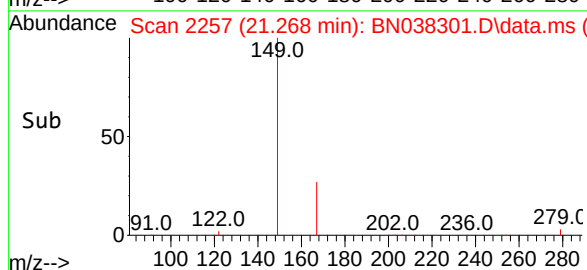
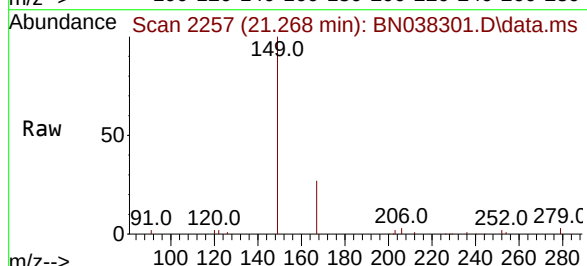
Tgt Ion:149 Resp: 20109

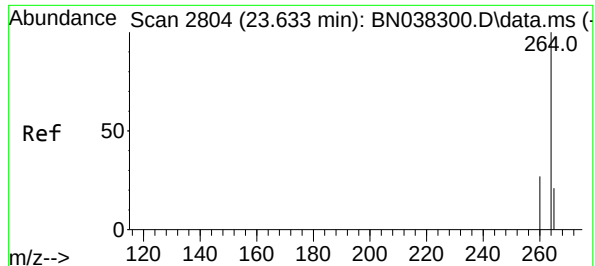
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 3.1 2.4 3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.633 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038301.D

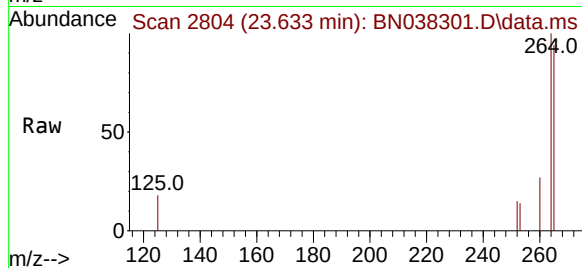
Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



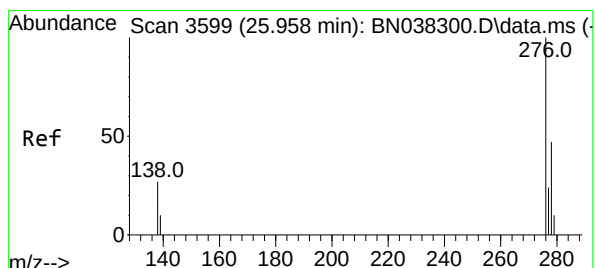
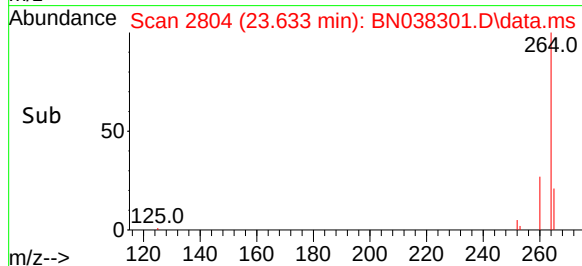
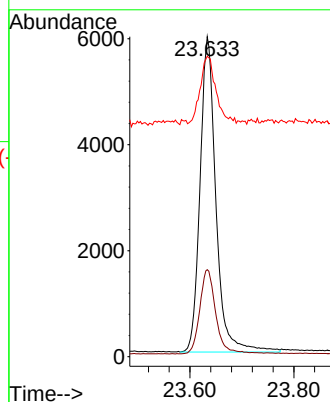
Tgt Ion:264 Resp: 12619

Ion Ratio Lower Upper

264 100

260 27.2 22.2 33.2

265 93.9 80.2 120.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.798 ng

RT: 25.960 min Scan# 3600

Delta R.T. -0.003 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

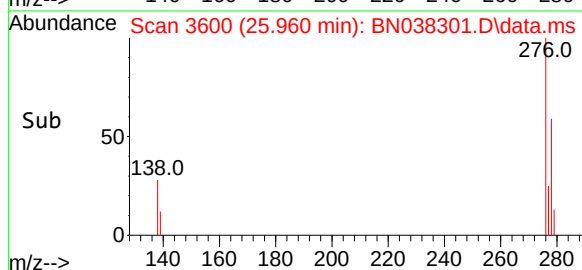
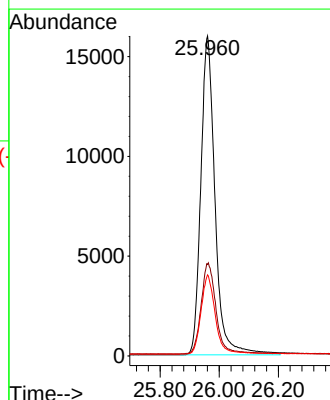
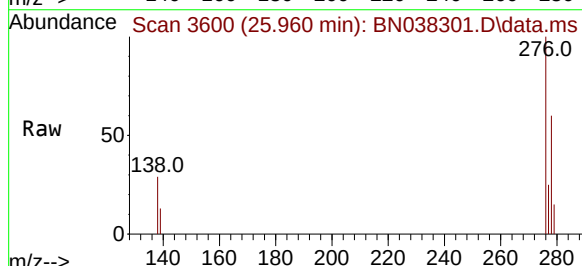
Tgt Ion:276 Resp: 53409

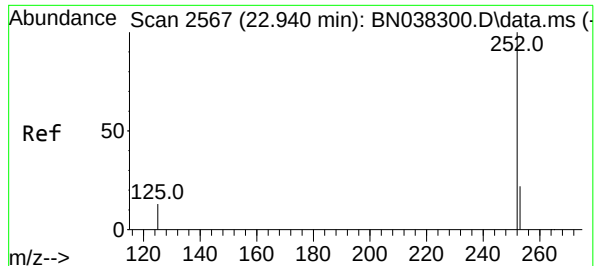
Ion Ratio Lower Upper

276 100

138 29.7 23.6 35.4

277 24.4 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.773 ng

RT: 22.940 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

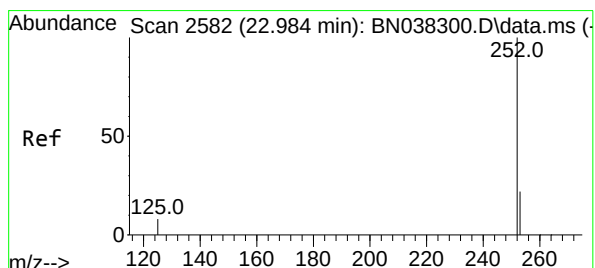
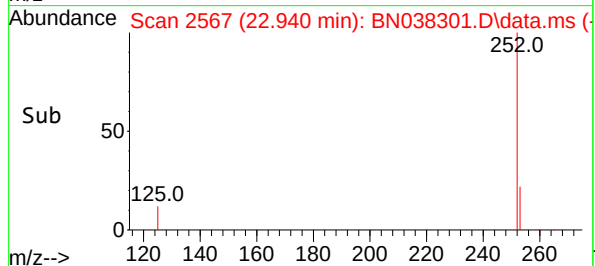
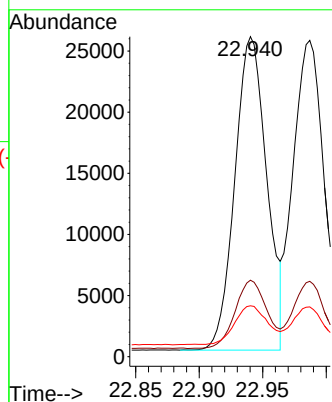
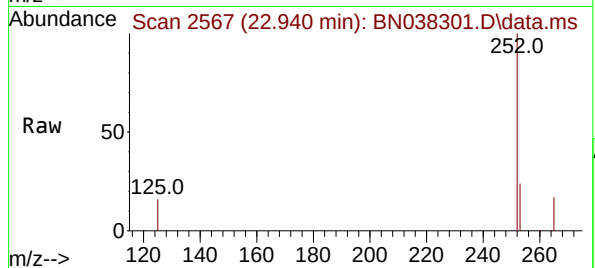
Tgt Ion:252 Resp: 44814

Ion Ratio Lower Upper

252 100

253 23.9 21.1 31.7

125 15.9 16.4 24.6#



#38

Benzo(k)fluoranthene

Concen: 0.791 ng

RT: 22.987 min Scan# 2583

Delta R.T. -0.003 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

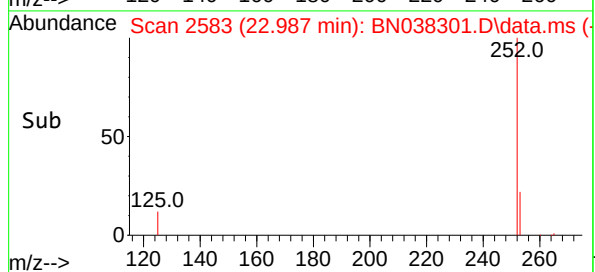
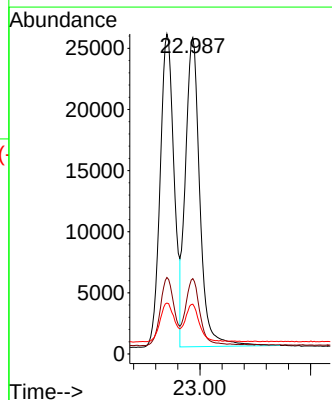
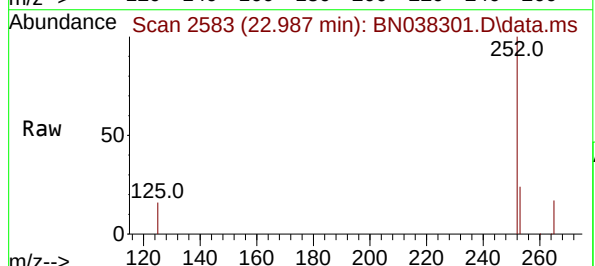
Tgt Ion:252 Resp: 45726

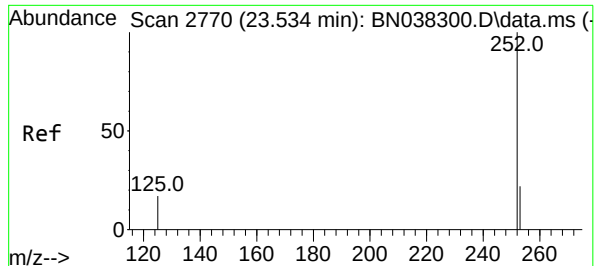
Ion Ratio Lower Upper

252 100

253 23.8 21.4 32.0

125 15.7 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 0.776 ng

RT: 23.531 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

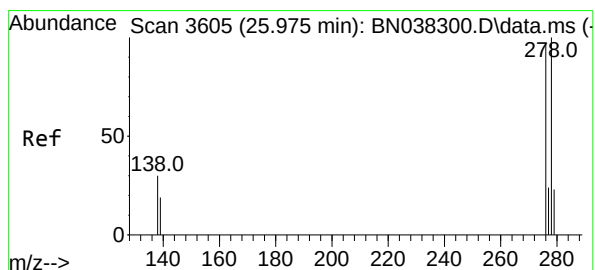
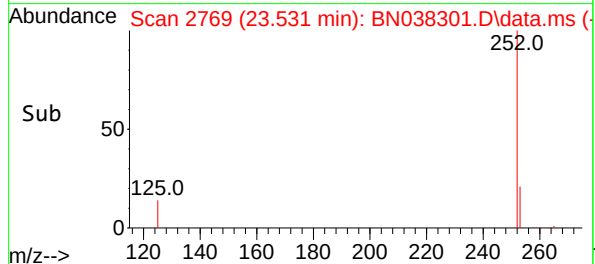
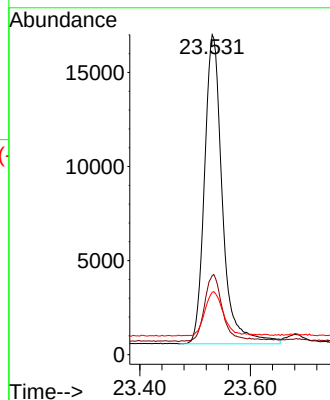
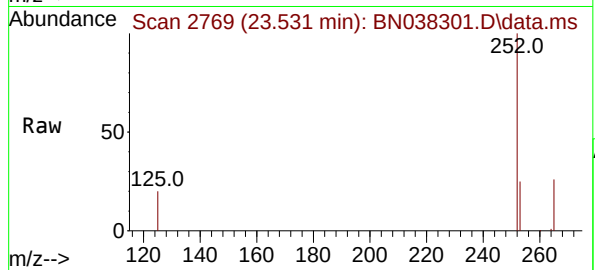
Tgt Ion:252 Resp: 36830

Ion Ratio Lower Upper

252 100

253 24.7 23.3 34.9

125 19.5 22.4 33.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.794 ng

RT: 25.978 min Scan# 3606

Delta R.T. -0.003 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

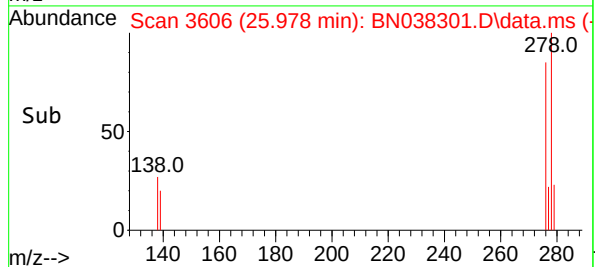
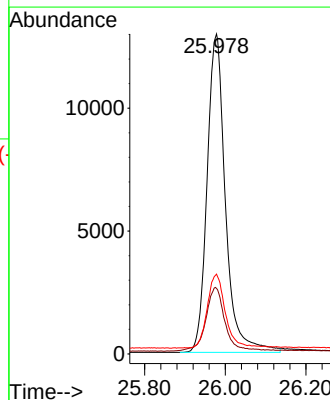
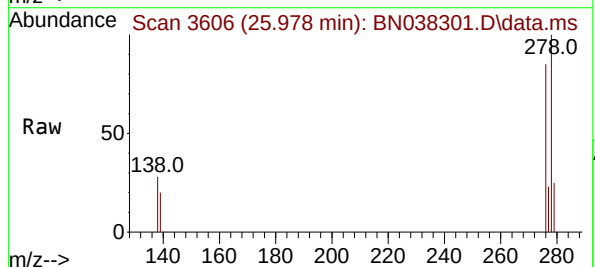
Tgt Ion:278 Resp: 40988

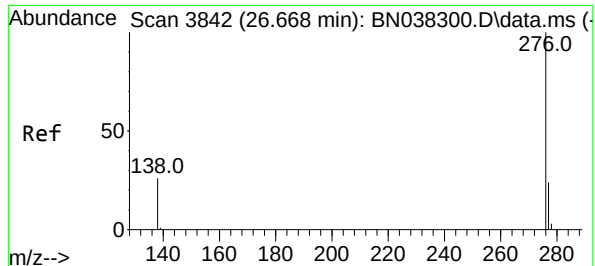
Ion Ratio Lower Upper

278 100

139 20.5 17.8 26.8

279 25.0 21.3 31.9





#41

Benzo(g,h,i)perylene

Concen: 0.790 ng

RT: 26.668 min Scan# 3842

Delta R.T. -0.009 min

Lab File: BN038301.D

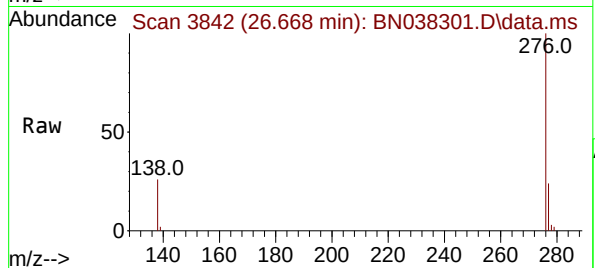
Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



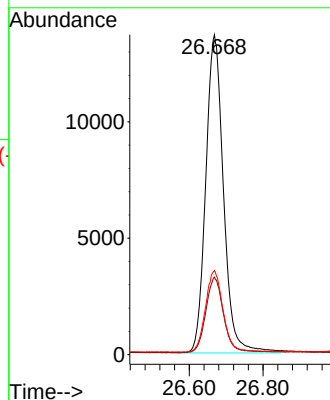
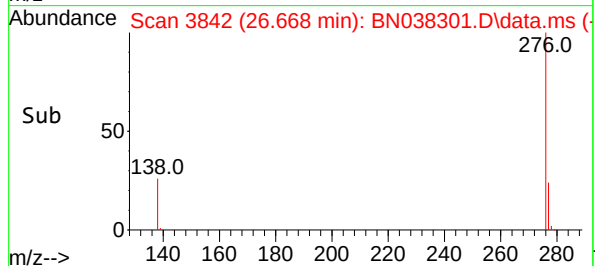
Tgt Ion:276 Resp: 45587

Ion Ratio Lower Upper

276 100

277 24.3 20.0 30.0

138 26.3 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038302.D
 Acq On : 10 Dec 2025 12:17
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Dec 10 14:00:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

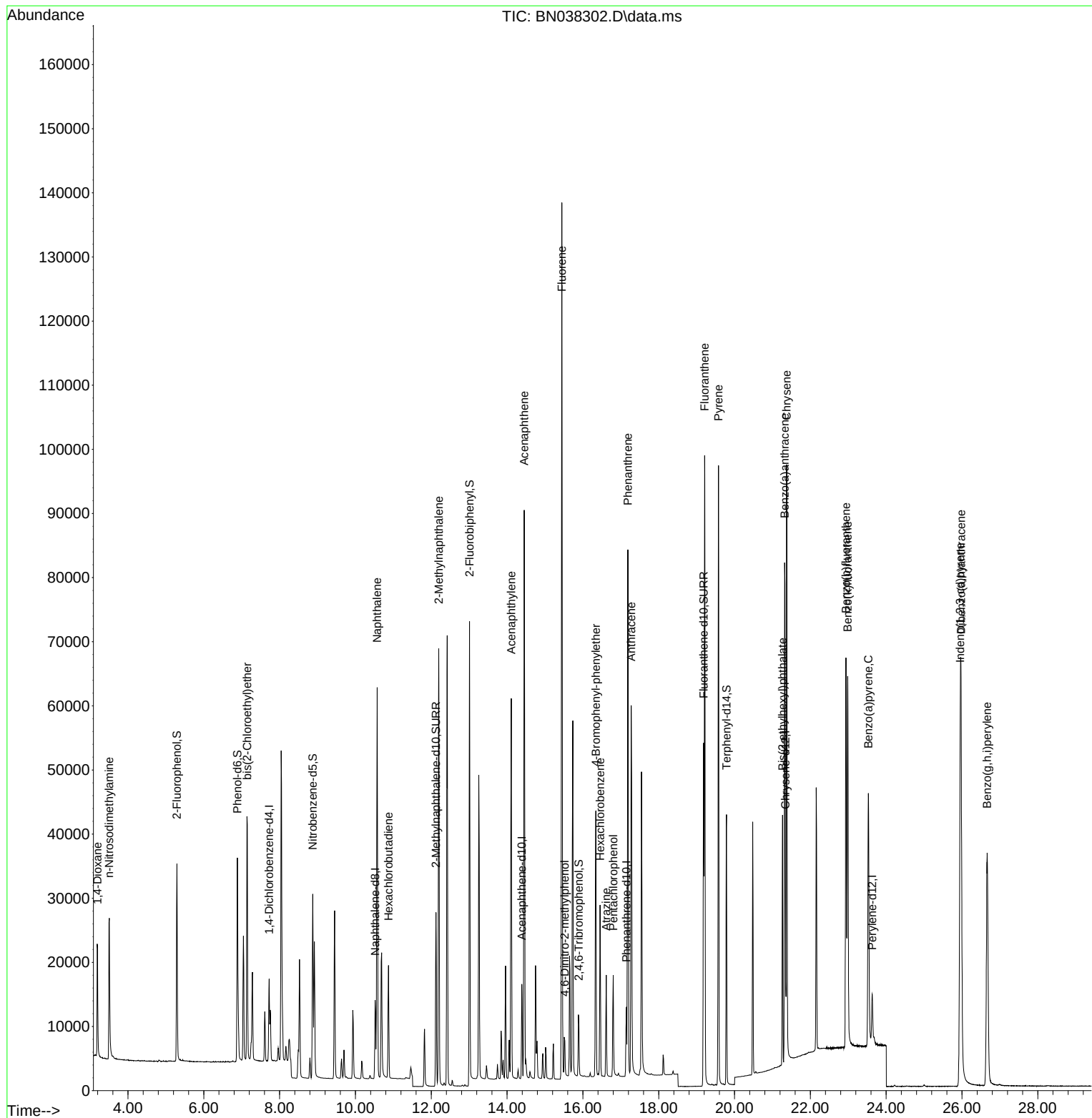
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6263	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	16493	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8387	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	14601	0.400	ng	0.00
29) Chrysene-d12	21.340	240	11383	0.400	ng	0.00
35) Perylene-d12	23.630	264	10679	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	24513	1.572	ng	0.00
5) Phenol-d6	6.887	99	29702	1.602	ng	0.00
8) Nitrobenzene-d5	8.875	82	22047	1.585	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	36899	1.586	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	5860	1.575	ng	0.00
15) 2-Fluorobiphenyl	13.009	172	62872	1.556	ng	0.00
27) Fluoranthene-d10	19.183	212	57448	1.591	ng	0.00
31) Terphenyl-d14	19.787	244	39298	1.547	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.196	88	11066	1.541	ng	99
3) n-Nitrosodimethylamine	3.499	42	14375	1.597	ng	# 98
6) bis(2-Chloroethyl)ether	7.147	93	28668	1.580	ng	99
9) Naphthalene	10.573	128	76464	1.568	ng	99
10) Hexachlorobutadiene	10.872	225	13520	1.560	ng	# 100
12) 2-Methylnaphthalene	12.197	142	49274	1.592	ng	99
16) Acenaphthylene	14.110	152	64734	1.572	ng	100
17) Acenaphthene	14.452	154	45547	1.587	ng	98
18) Fluorene	15.446	166	57951	1.570	ng	99
20) 4,6-Dinitro-2-methylph...	15.523	198	4052	1.687	ng	# 51
21) 4-Bromophenyl-phenylether	16.342	248	17091	1.578	ng	99
22) Hexachlorobenzene	16.454	284	20250	1.555	ng	100
23) Atrazine	16.615	200	11669	1.579	ng	98
24) Pentachlorophenol	16.801	266	7830	1.541	ng	99
25) Phenanthrene	17.186	178	79019	1.555	ng	100
26) Anthracene	17.273	178	69628	1.589	ng	100
28) Fluoranthene	19.211	202	86039	1.593	ng	99
30) Pyrene	19.578	202	86035	1.535	ng	100
32) Benzo(a)anthracene	21.322	228	68895	1.567	ng	98
33) Chrysene	21.375	228	76200	1.574	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	34320	1.423	ng	99
36) Indeno(1,2,3-cd)pyrene	25.955	276	90364	1.595	ng	100
37) Benzo(b)fluoranthene	22.940	252	78044	1.591	ng	# 90
38) Benzo(k)fluoranthene	22.984	252	77879	1.593	ng	# 90
39) Benzo(a)pyrene	23.531	252	63182	1.574	ng	# 85
40) Dibenzo(a,h)anthracene	25.975	278	70529	1.614	ng	96
41) Benzo(g,h,i)perylene	26.665	276	77643	1.590	ng	97

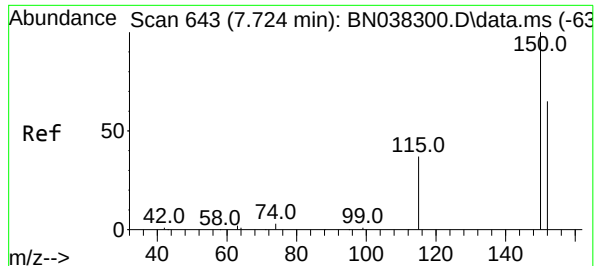
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : BN038302.D
 Acq On : 10 Dec 2025 12:17
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Dec 10 14:00:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

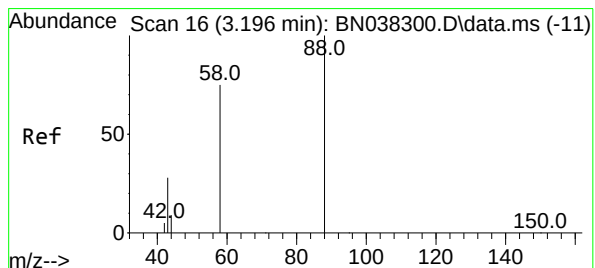
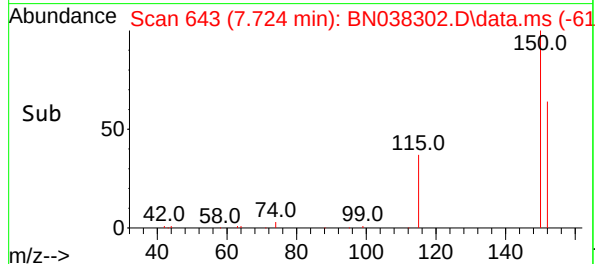
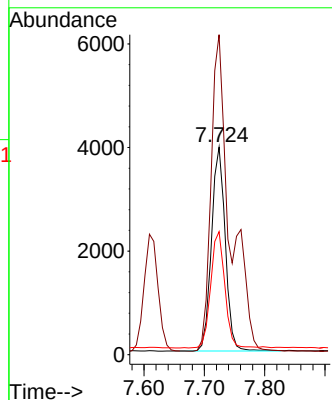
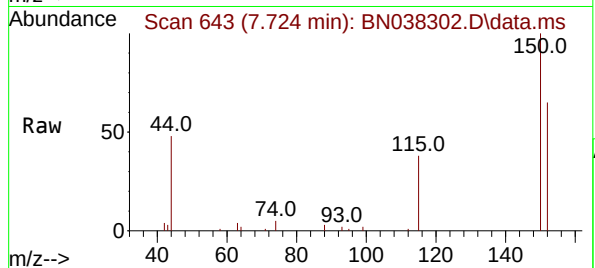




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

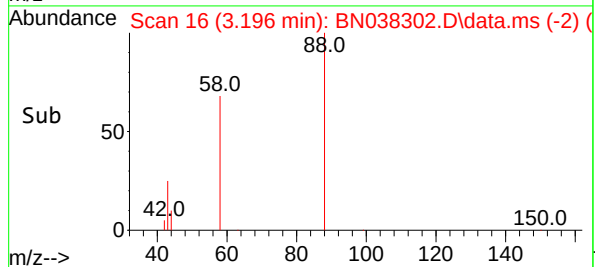
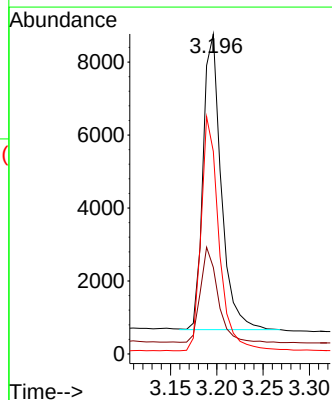
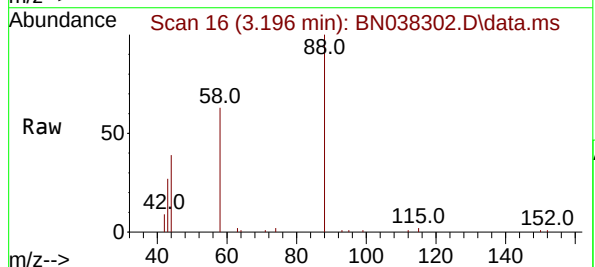
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

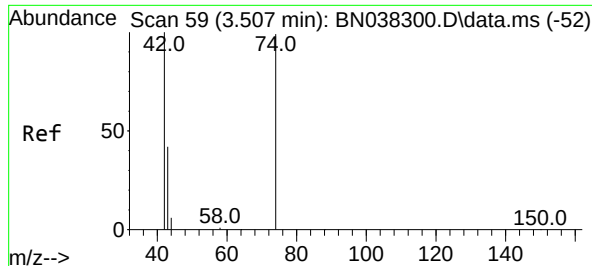
Tgt Ion:152 Resp: 6263
Ion Ratio Lower Upper
152 100
150 154.1 122.4 183.6
115 59.3 47.3 70.9



#2
1,4-Dioxane
Concen: 1.541 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion: 88 Resp: 11066
Ion Ratio Lower Upper
88 100
43 31.3 24.9 37.3
58 78.2 61.4 92.0

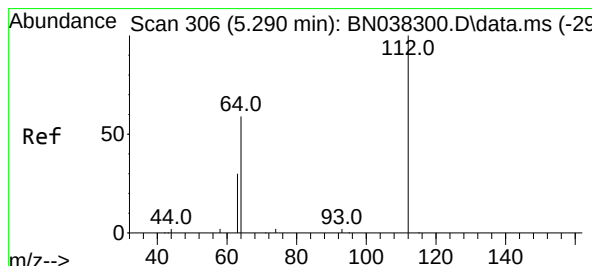
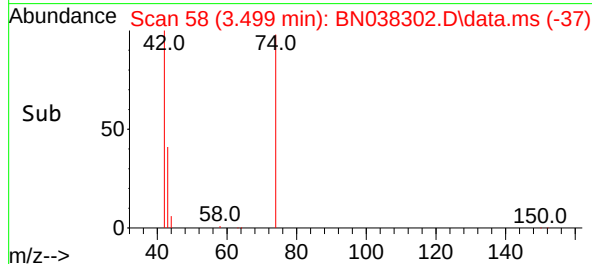
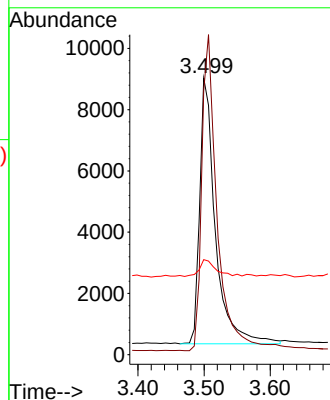
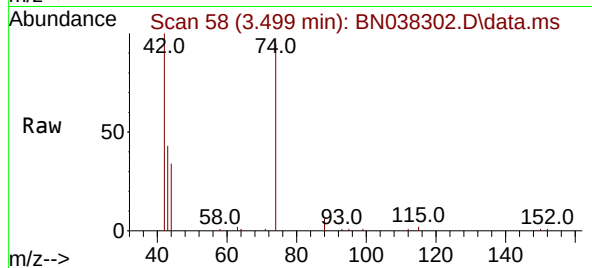




#3
n-Nitrosodimethylamine
Concen: 1.597 ng
RT: 3.499 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

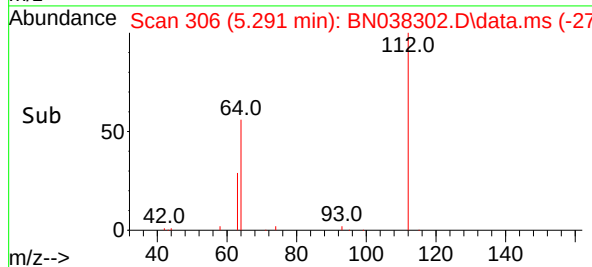
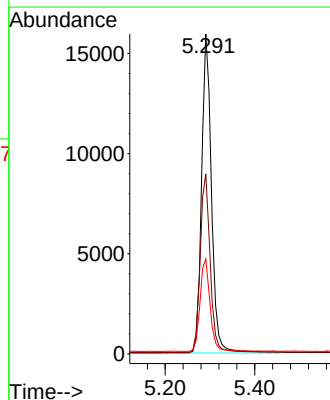
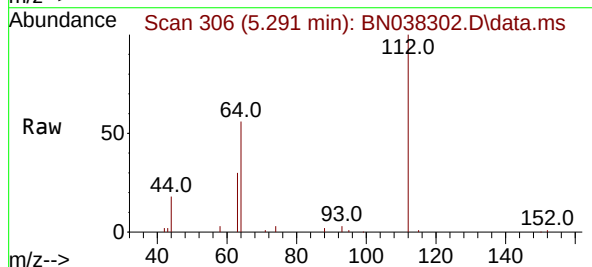
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

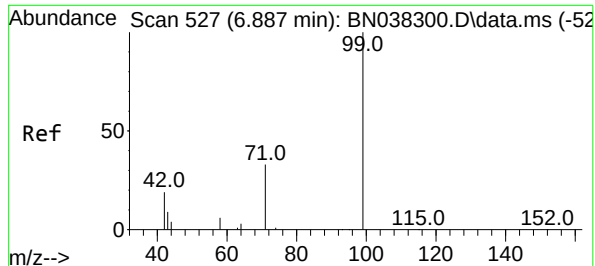
Tgt Ion: 42 Resp: 14375
Ion Ratio Lower Upper
42 100
74 117.5 95.3 142.9
44 6.5 7.9 11.9#



#4
2-Fluorophenol
Concen: 1.572 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion: 112 Resp: 24513
Ion Ratio Lower Upper
112 100
64 56.8 44.4 66.6
63 29.7 23.4 35.0

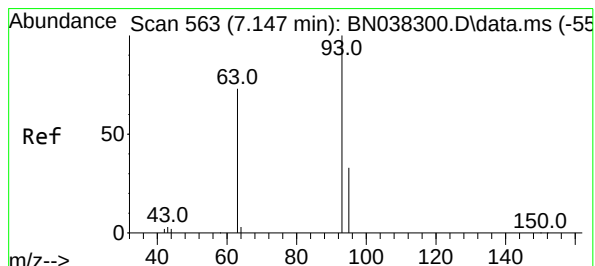
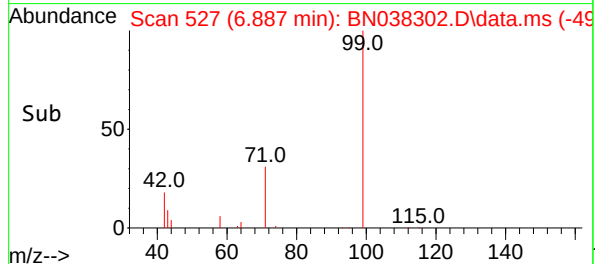
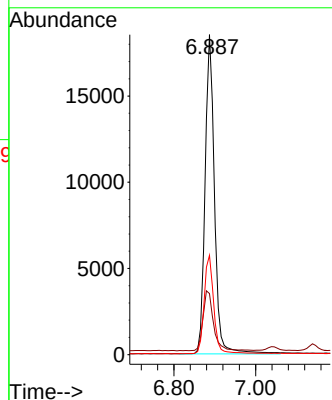
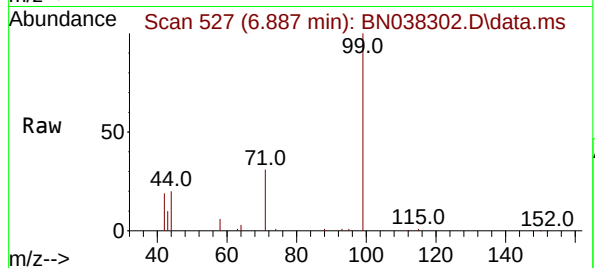




#5
Phenol-d6
Concen: 1.602 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

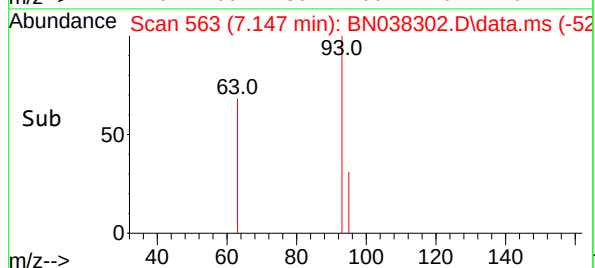
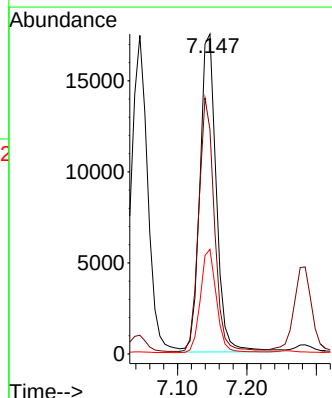
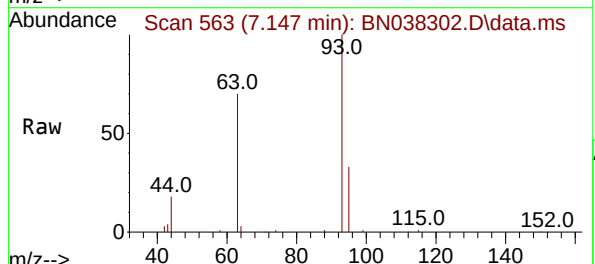
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ClientSampleId :
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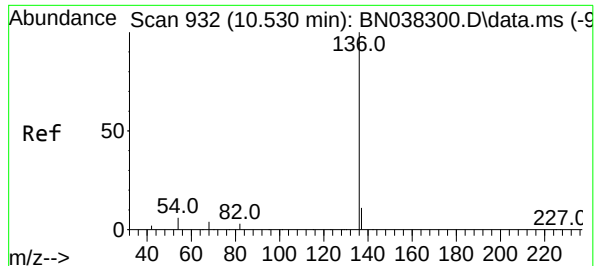
Tgt Ion: 99 Resp: 29702
Ion Ratio Lower Upper
99 100
42 21.2 16.5 24.7
71 31.6 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 1.580 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion: 93 Resp: 28668
Ion Ratio Lower Upper
93 100
63 75.5 59.2 88.8
95 31.9 25.2 37.8

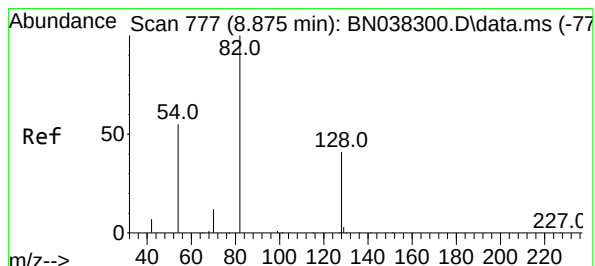
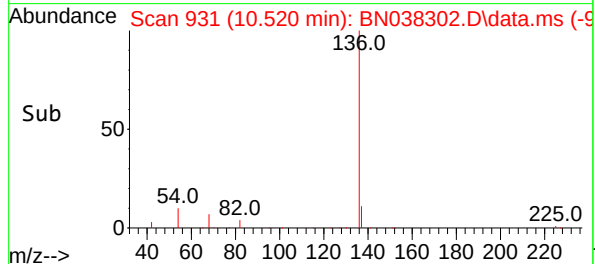
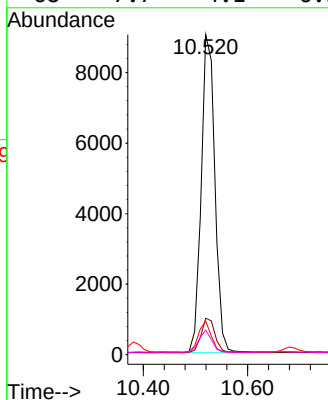
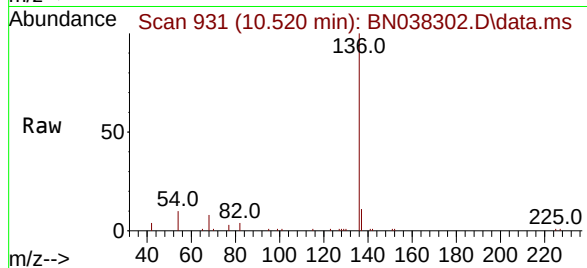




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

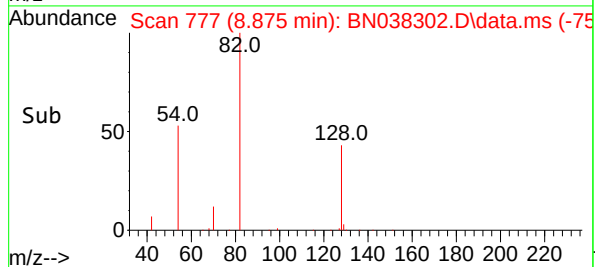
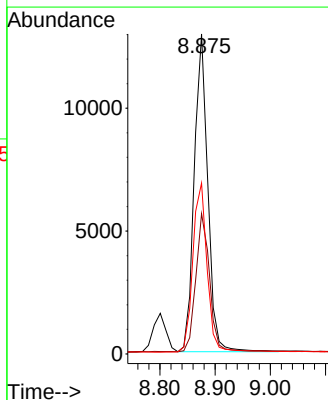
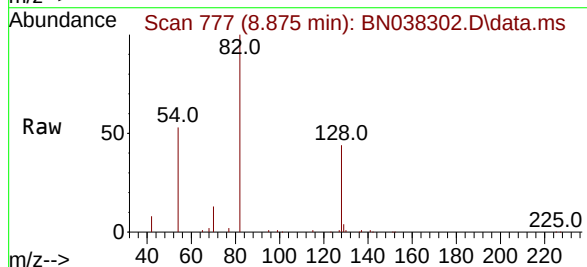
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

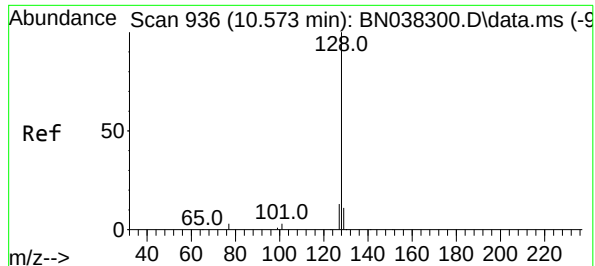
Tgt Ion:	136	Resp:	16493
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	10.5	5.2	7.8#
68	7.7	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 1.585 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:	82	Resp:	22047
Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.0	51.0
54	53.4	44.4	66.6

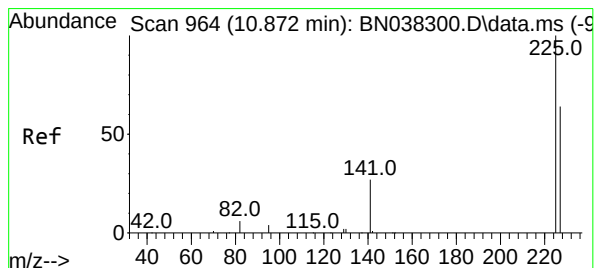
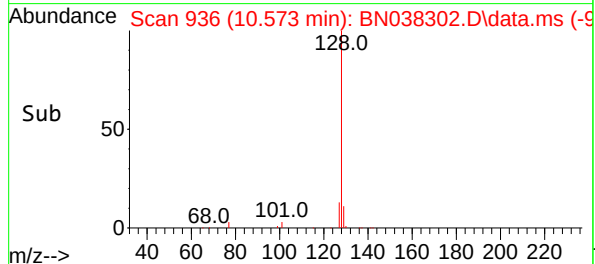
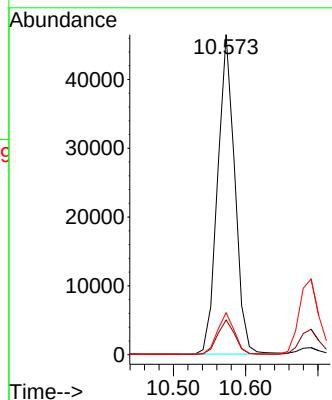
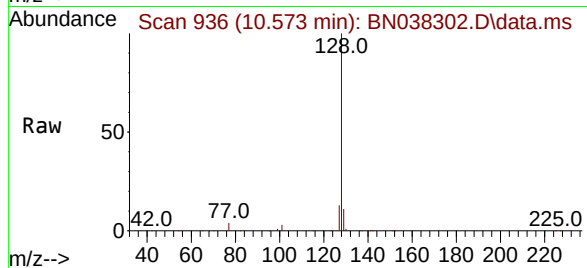




#9
Naphthalene
Concen: 1.568 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

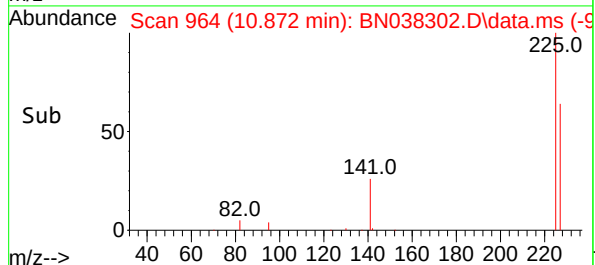
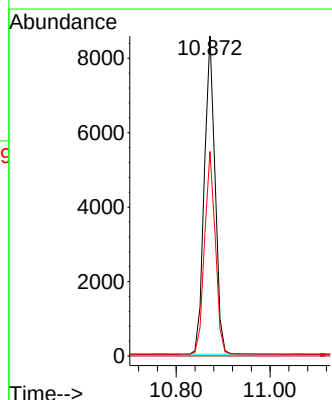
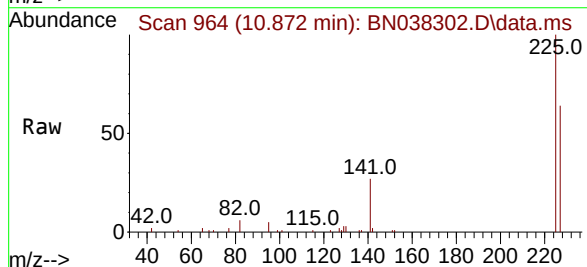
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

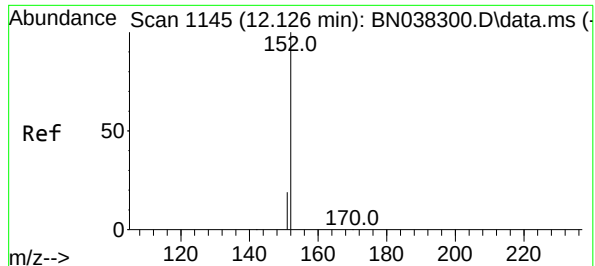
Tgt Ion:128 Resp: 76464
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.1 10.9 16.3



#10
Hexachlorobutadiene
Concen: 1.560 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:225 Resp: 13520
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.0 51.2 76.8

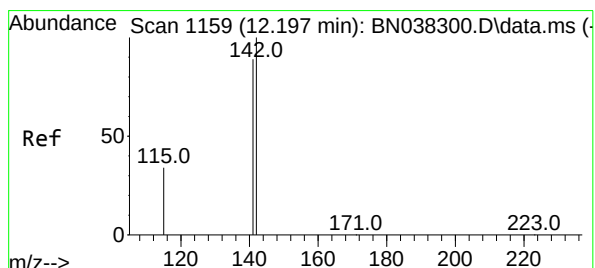
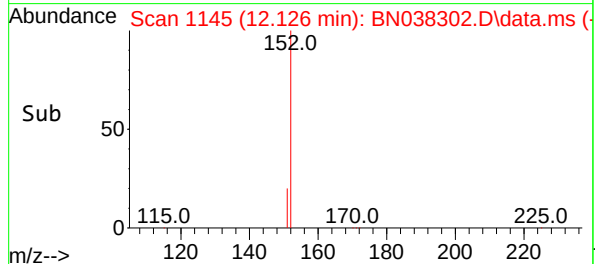
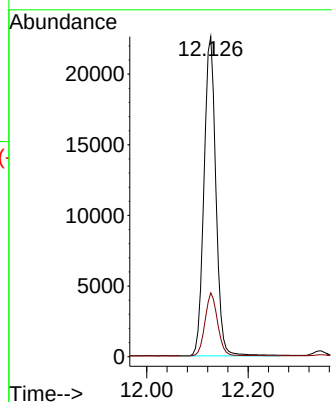
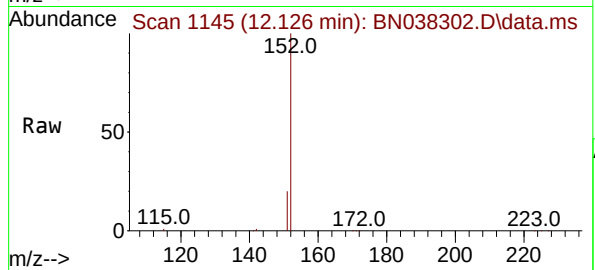




#11
2-Methylnaphthalene-d10
Concen: 1.586 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

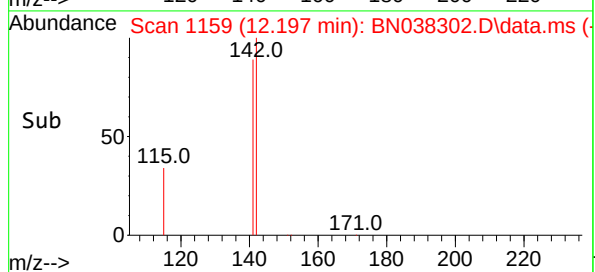
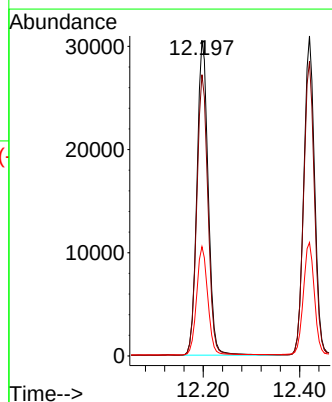
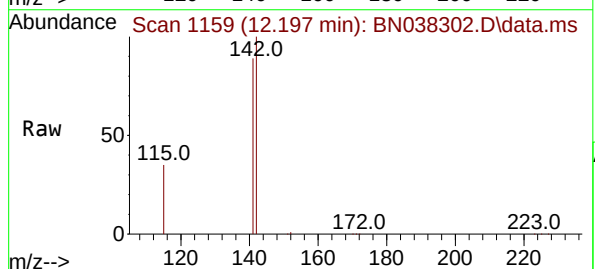
Instrument :
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ClientSampleId :
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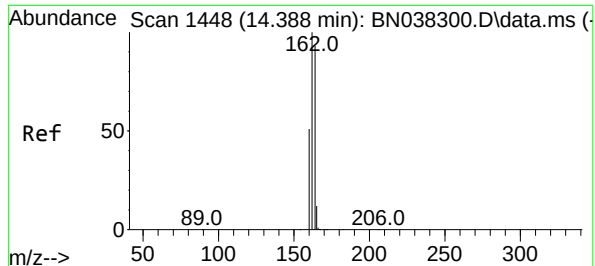
Tgt Ion:152 Resp: 36899
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6



#12
2-Methylnaphthalene
Concen: 1.592 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:142 Resp: 49274
Ion Ratio Lower Upper
142 100
141 89.1 71.4 107.2
115 34.6 28.4 42.6

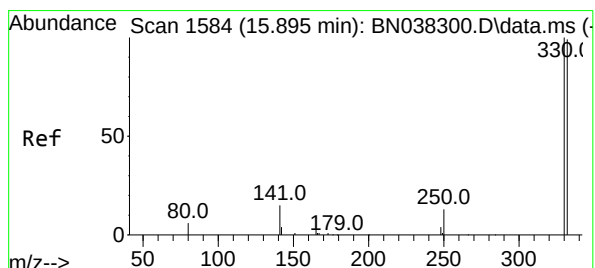
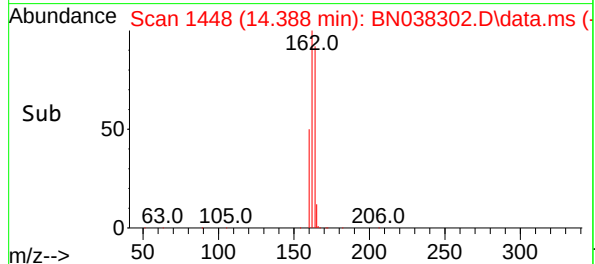
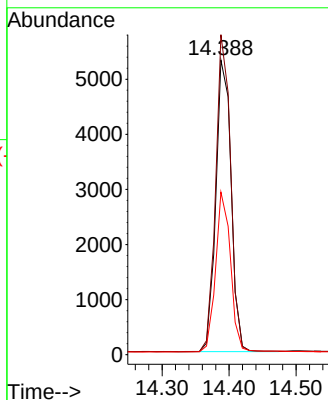
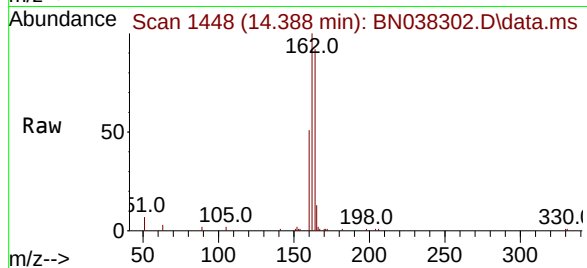




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

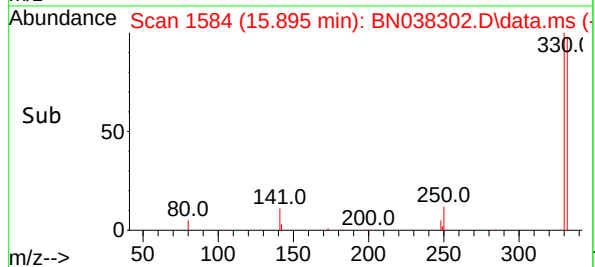
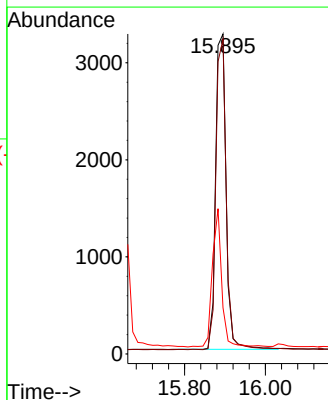
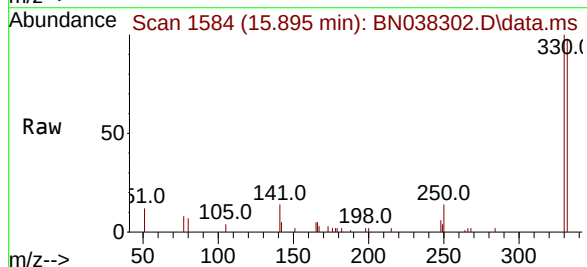
Instrument :
BNA_N
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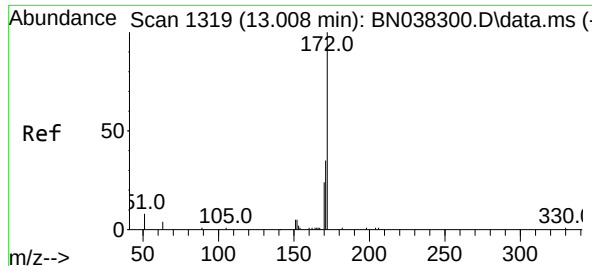
Tgt Ion:164 Resp: 8387
Ion Ratio Lower Upper
164 100
162 108.7 86.2 129.4
160 55.2 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 1.575 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:330 Resp: 5860
Ion Ratio Lower Upper
330 100
332 96.9 75.8 113.6
141 39.0 31.8 47.8

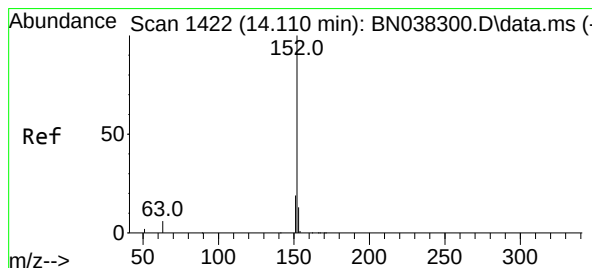
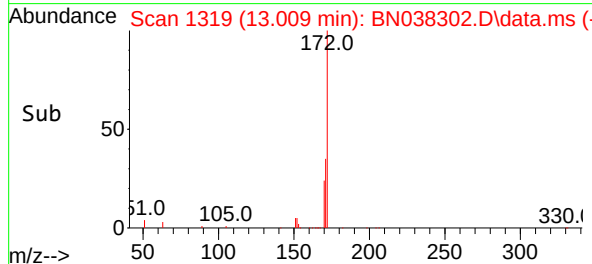
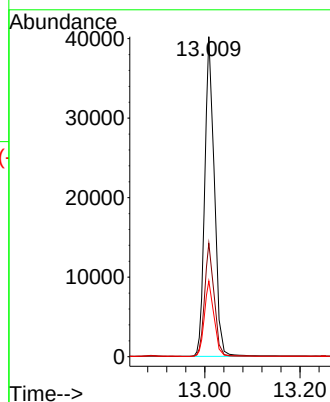
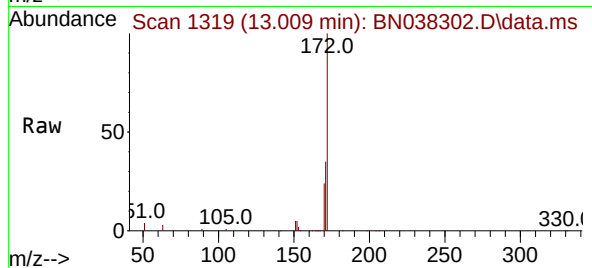




#15
2-Fluorobiphenyl
Concen: 1.556 ng
RT: 13.009 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

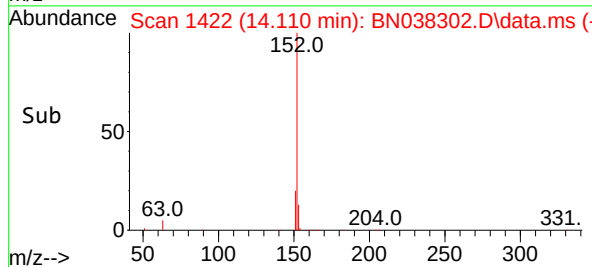
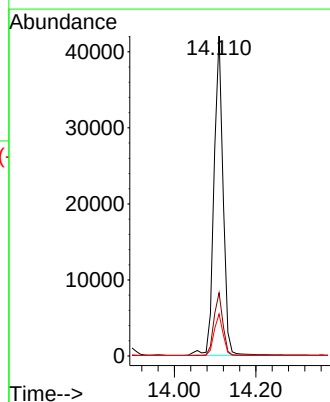
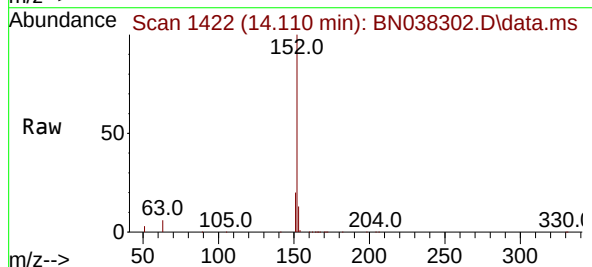
Instrument :
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ClientSampleId :
SSTDICC1.6

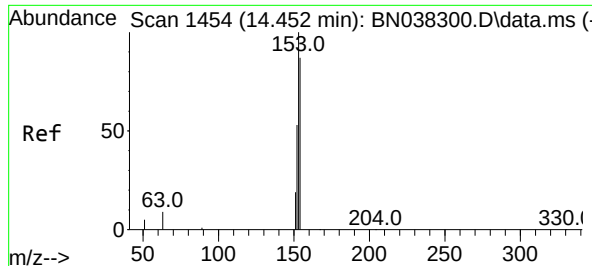
Tgt Ion:172 Resp: 62872
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.6 19.3 28.9



#16
Acenaphthylene
Concen: 1.572 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:152 Resp: 64734
Ion Ratio Lower Upper
152 100
151 19.4 15.4 23.2
153 13.0 10.2 15.4

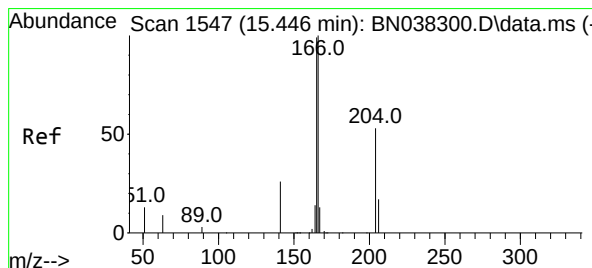
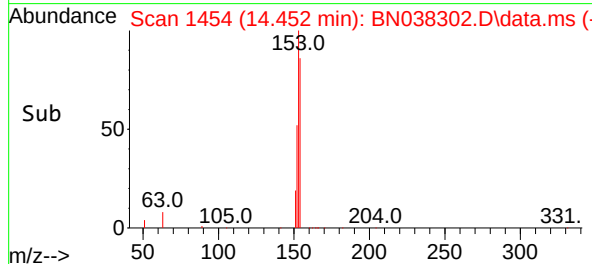
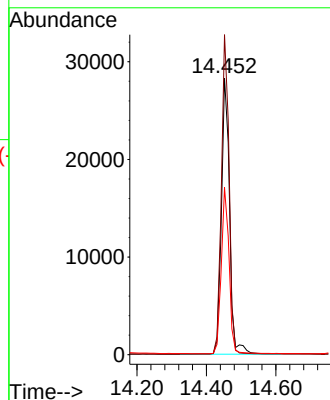
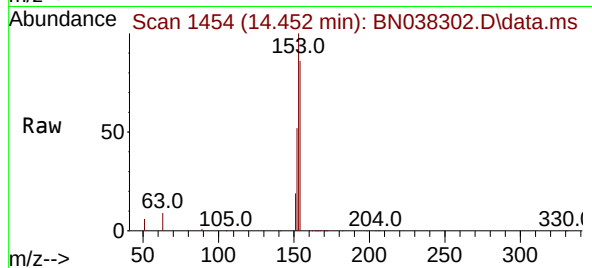




#17
Acenaphthene
Concen: 1.587 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

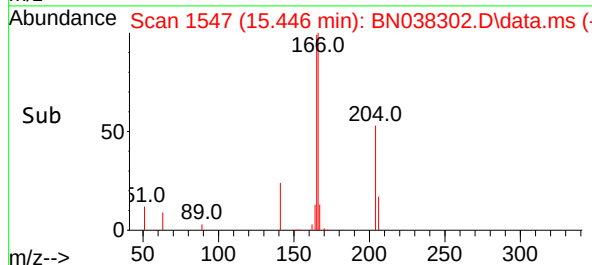
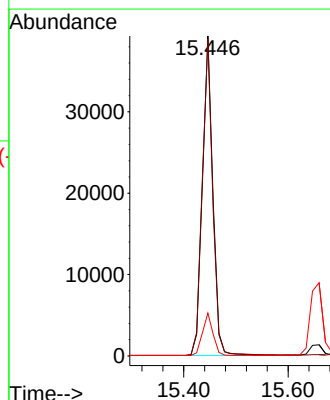
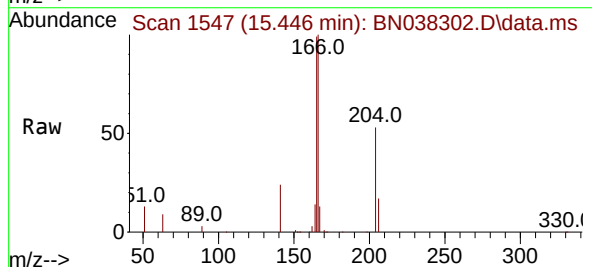
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

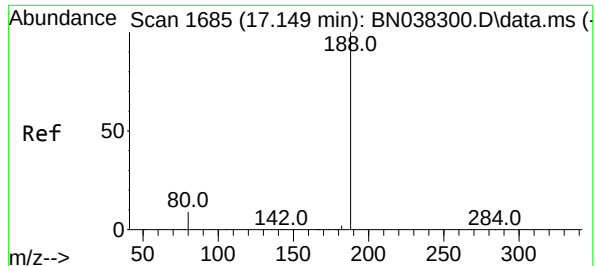
Tgt Ion	154	153	152
Resp:	45547	110.1	57.9
Ion Ratio	100	89.8	47.5
Lower			
Upper		134.8	71.3



#18
Fluorene
Concen: 1.570 ng
RT: 15.446 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion	166	165	167
Resp:	57951	98.8	13.2
Ion Ratio	100	80.2	10.6
Lower			
Upper		120.4	16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

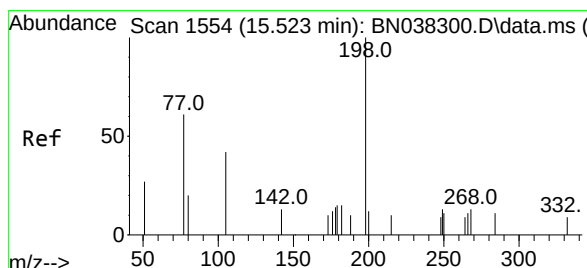
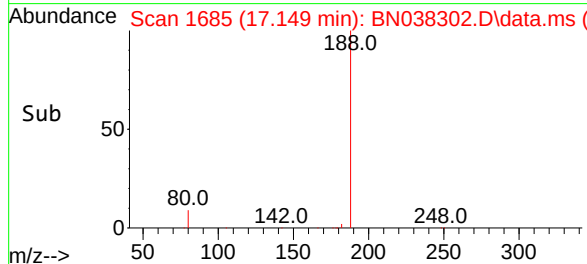
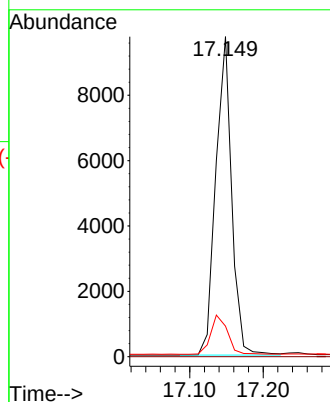
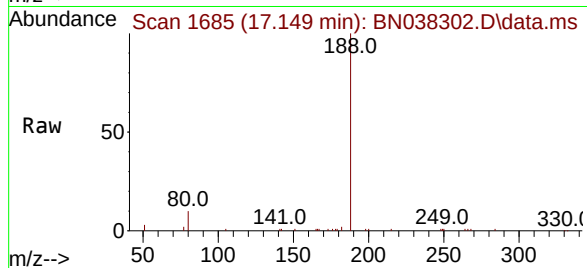
Tgt Ion:188 Resp: 14601

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.5 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 1.687 ng

RT: 15.523 min Scan# 1554

Delta R.T. 0.001 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

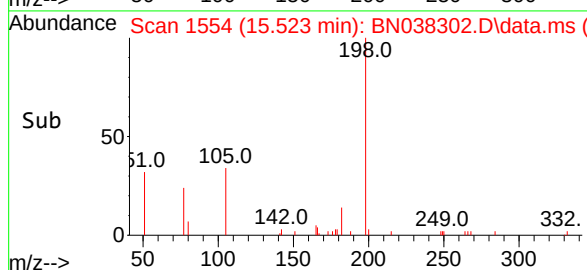
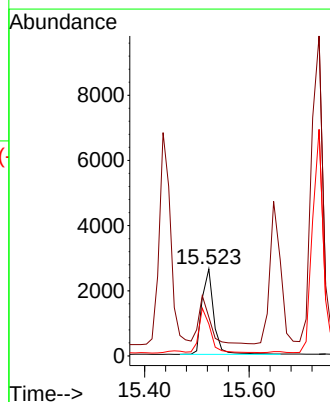
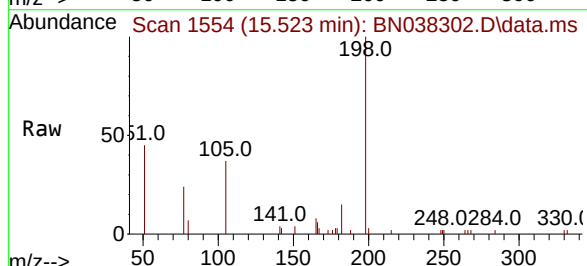
Tgt Ion:198 Resp: 4052

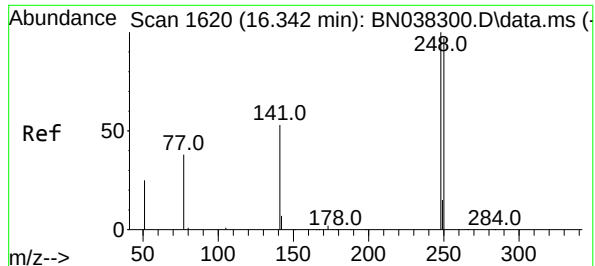
Ion Ratio Lower Upper

198 100

51 44.6 86.3 129.5#

105 36.8 45.3 67.9#

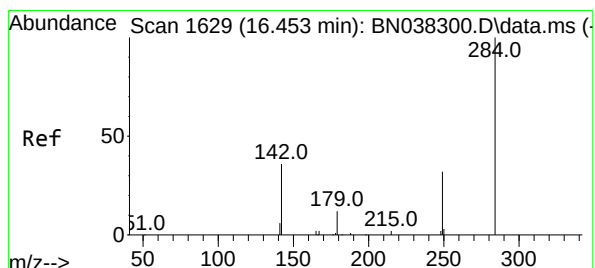
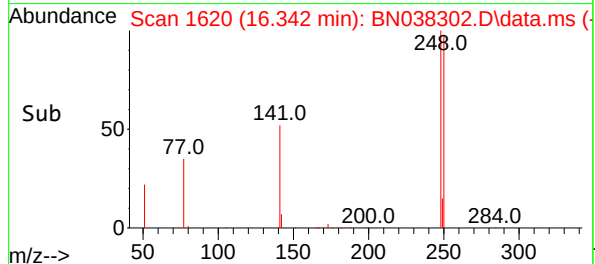
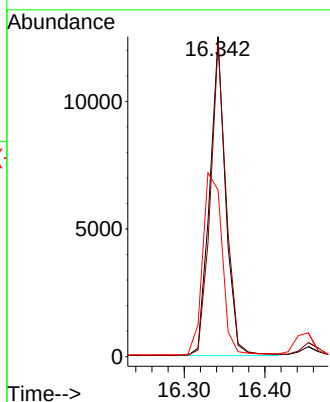
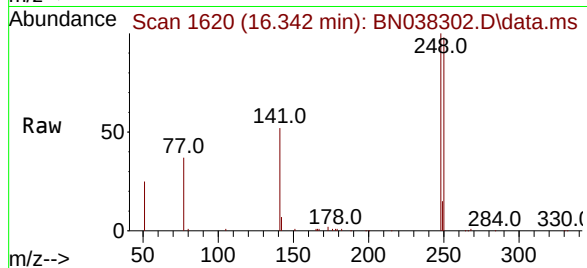




#21
4-Bromophenyl-phenylether
Concen: 1.578 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

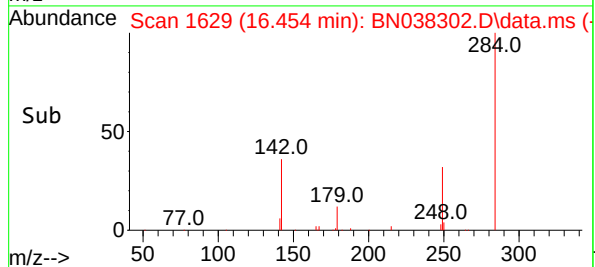
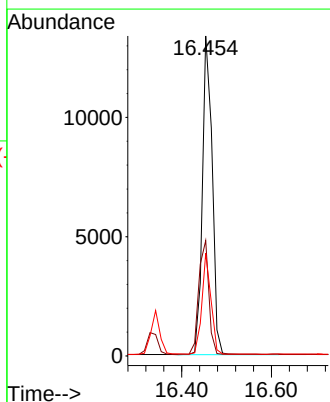
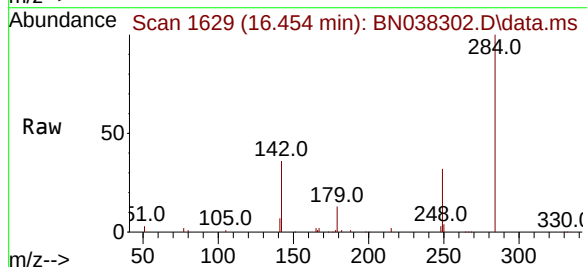
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

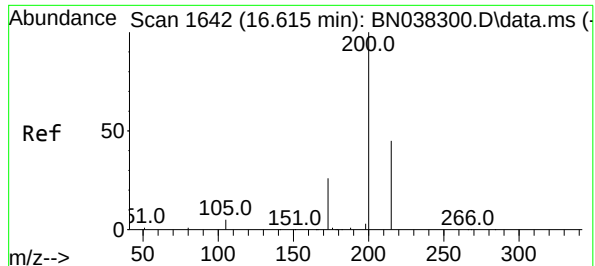
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.1	78.2	117.2
141	52.1	43.7	65.5



#22
Hexachlorobenzene
Concen: 1.555 ng
RT: 16.454 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.1	29.5	44.3
249	29.5	23.7	35.5

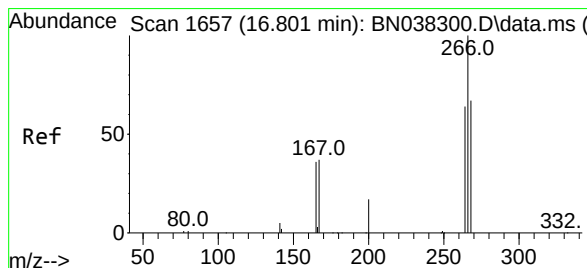
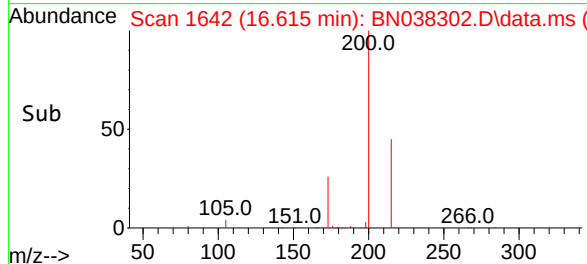
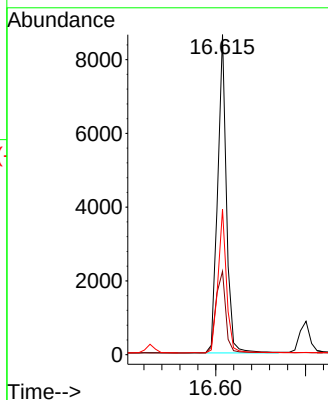
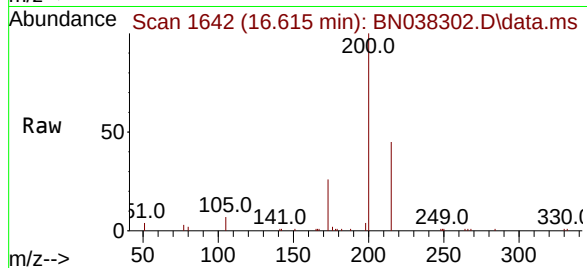




#23
Atrazine
Concen: 1.579 ng
RT: 16.615 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

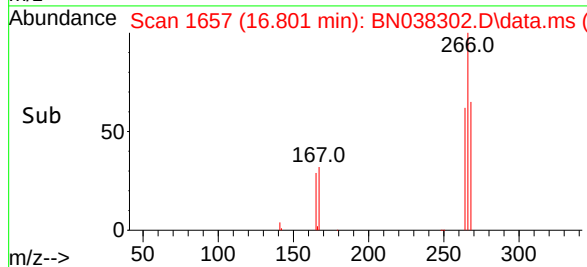
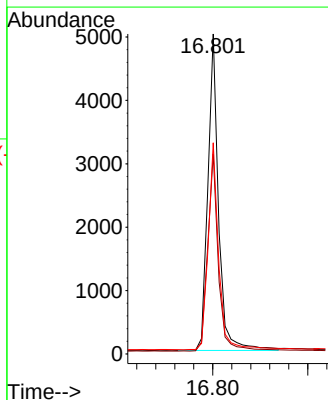
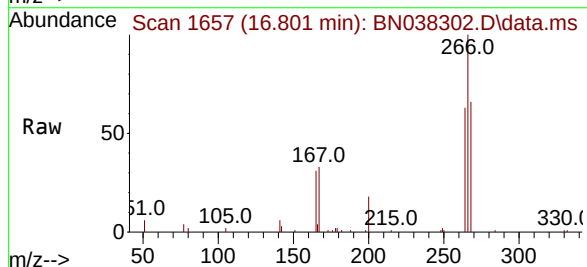
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

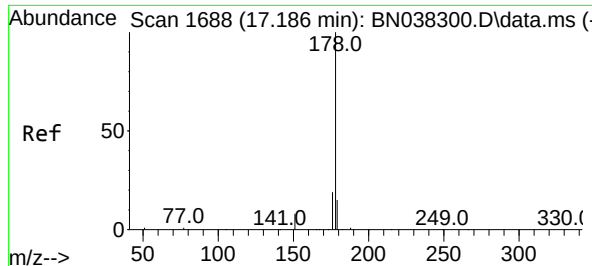
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.1	22.1	33.1
215	45.4	37.4	56.2



#24
Pentachlorophenol
Concen: 1.541 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.6	50.2	75.2
268	64.7	52.6	78.8

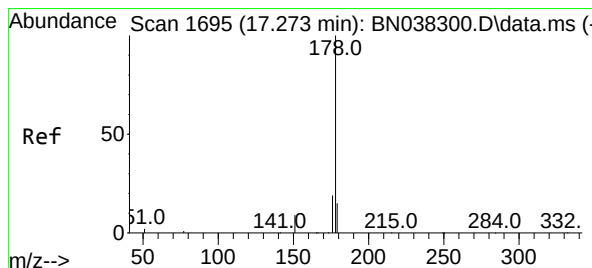
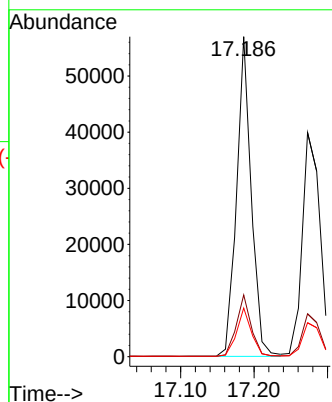
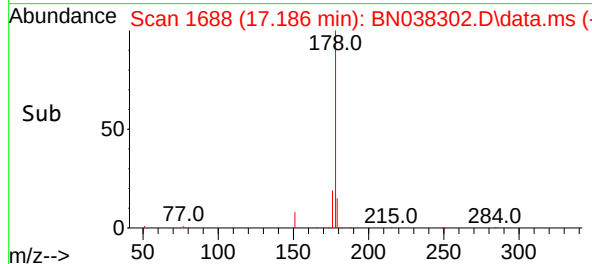
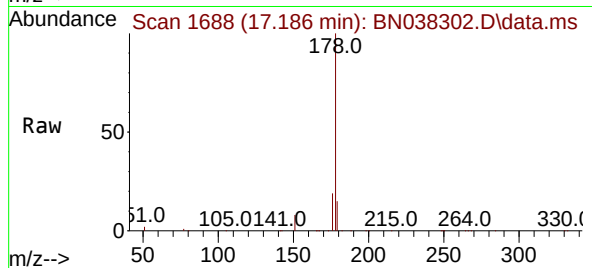




#25
Phenanthrene
Concen: 1.555 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

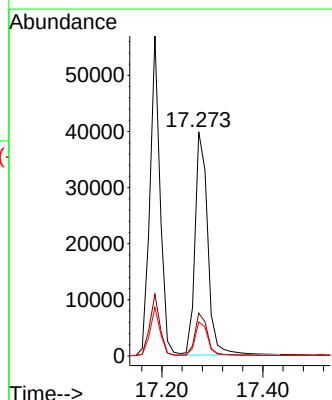
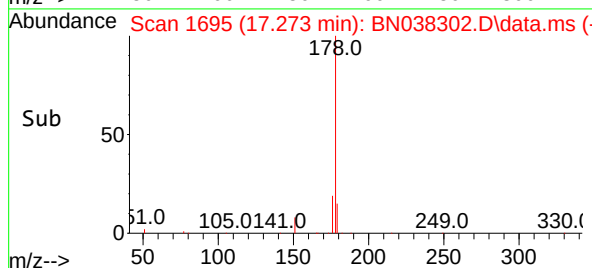
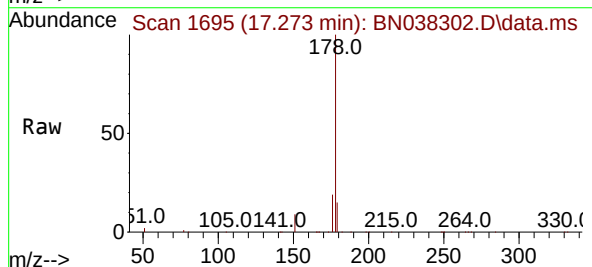
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

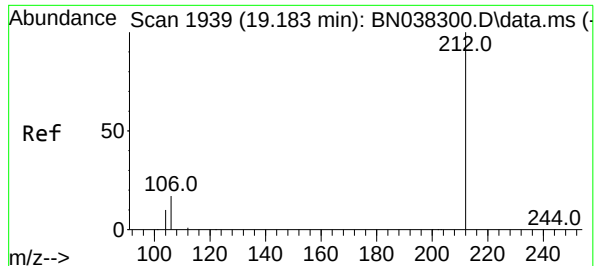
Tgt Ion:178 Resp: 79019
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.2 12.2 18.2



#26
Anthracene
Concen: 1.589 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:178 Resp: 69628
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.2 12.0 18.0





#27

Fluoranthene-d10

Concen: 1.591 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.004 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

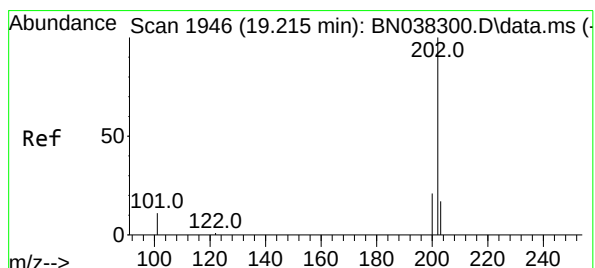
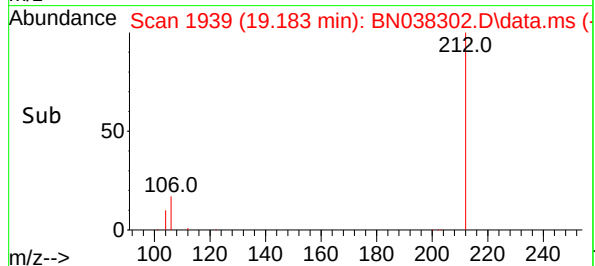
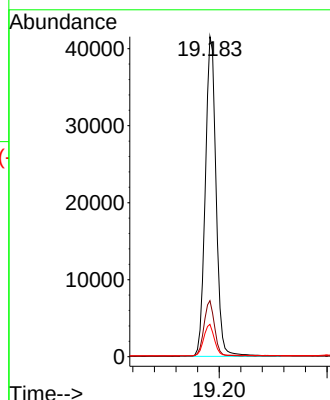
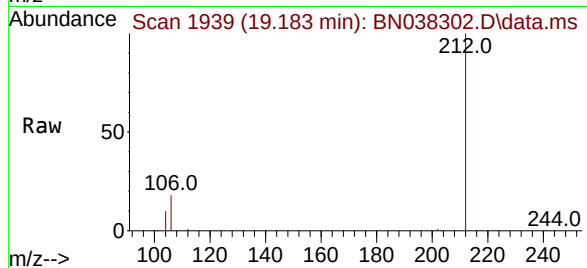
Tgt Ion:212 Resp: 57448

Ion Ratio Lower Upper

212 100

106 17.1 13.7 20.5

104 9.9 7.8 11.8



#28

Fluoranthene

Concen: 1.593 ng

RT: 19.211 min Scan# 1945

Delta R.T. -0.009 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

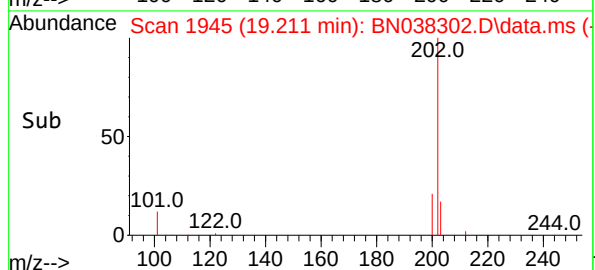
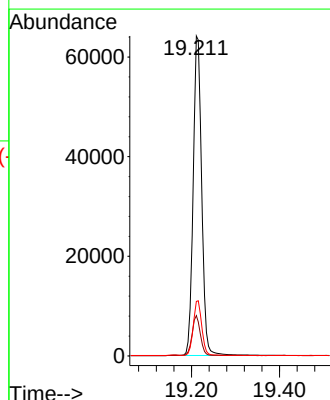
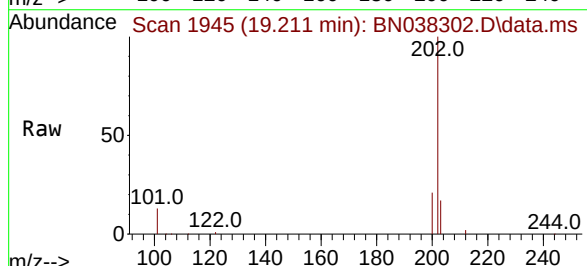
Tgt Ion:202 Resp: 86039

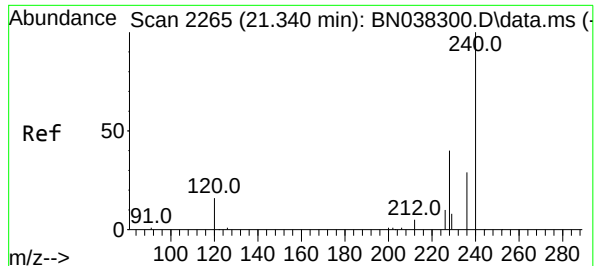
Ion Ratio Lower Upper

202 100

101 12.4 9.6 14.4

203 17.0 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

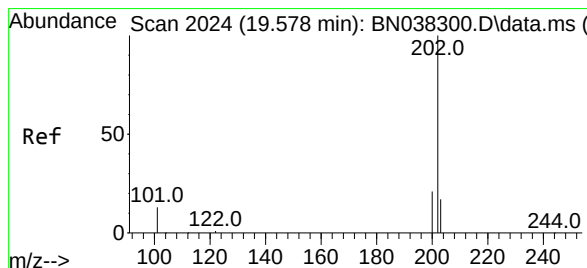
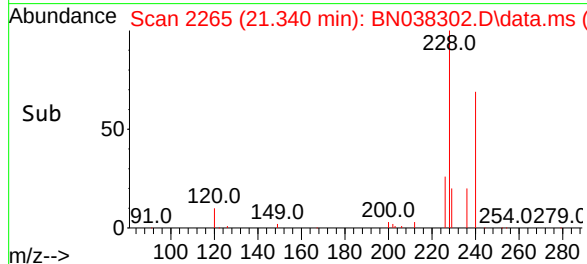
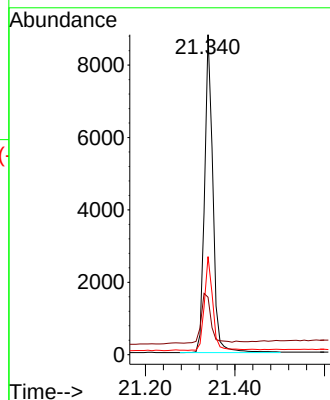
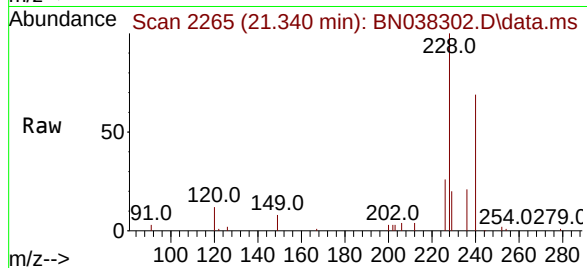
Tgt Ion:240 Resp: 11383

Ion Ratio Lower Upper

240 100

120 18.0 15.4 23.2

236 30.6 23.9 35.9



#30

Pyrene

Concen: 1.535 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.004 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

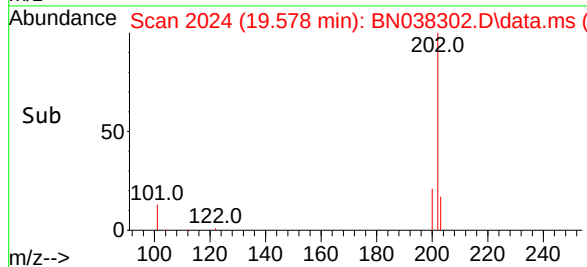
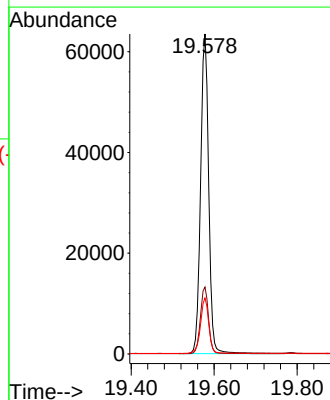
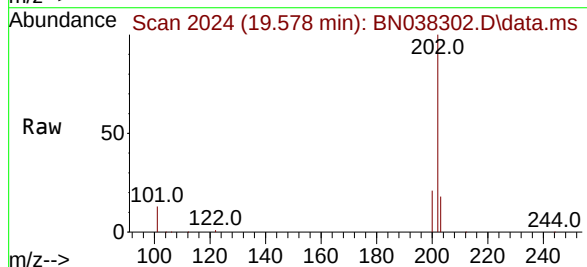
Tgt Ion:202 Resp: 86035

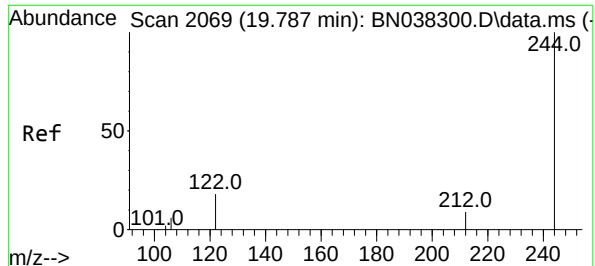
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.8 14.2 21.2

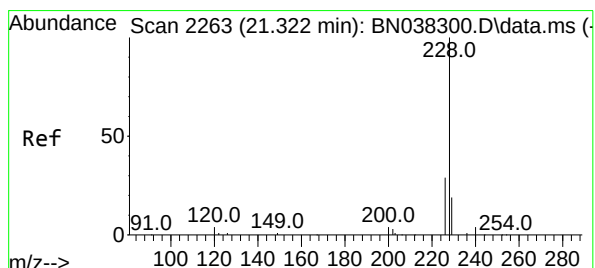
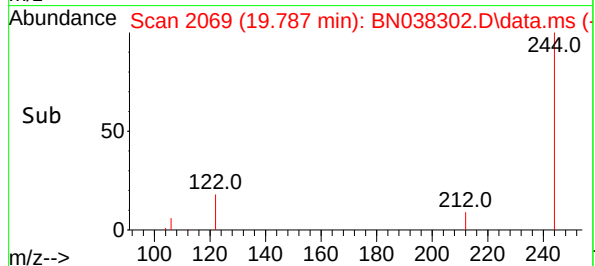
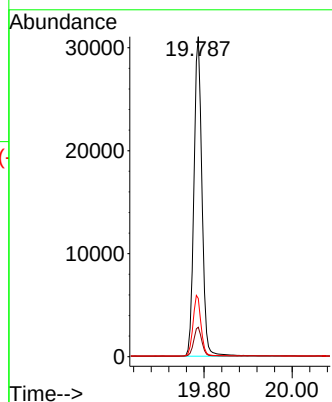
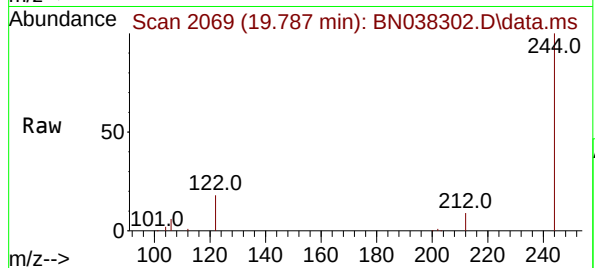




#31
Terphenyl-d14
Concen: 1.547 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.004 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

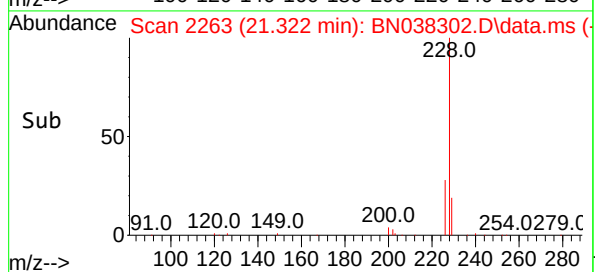
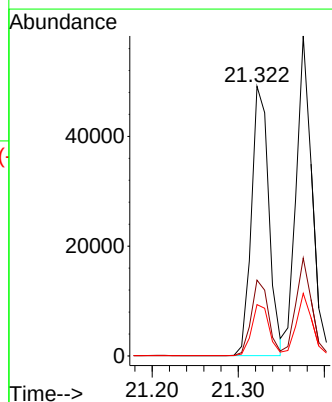
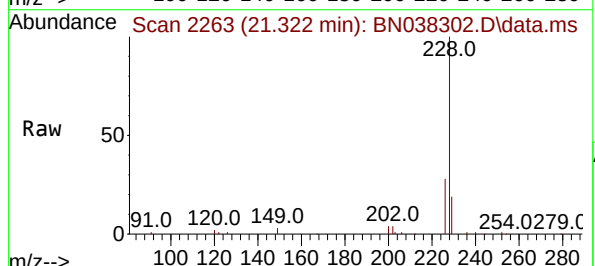
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

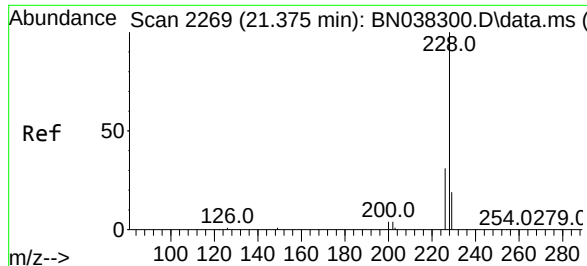
Tgt Ion:244 Resp: 39298
Ion Ratio Lower Upper
244 100
212 9.2 7.9 11.9
122 18.2 15.0 22.6



#32
Benzo(a)anthracene
Concen: 1.567 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:228 Resp: 68895
Ion Ratio Lower Upper
228 100
226 28.1 23.3 34.9
229 19.1 15.7 23.5





#33

Chrysene

Concen: 1.574 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

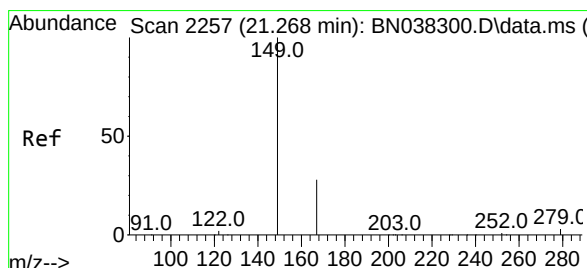
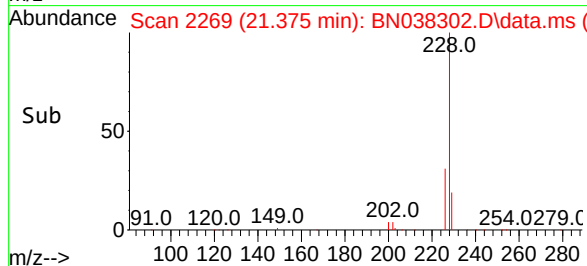
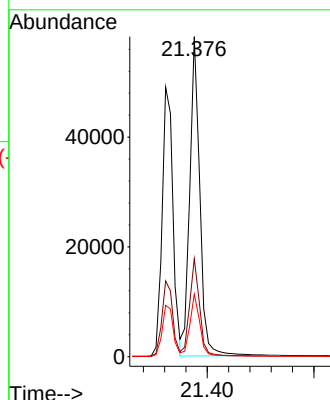
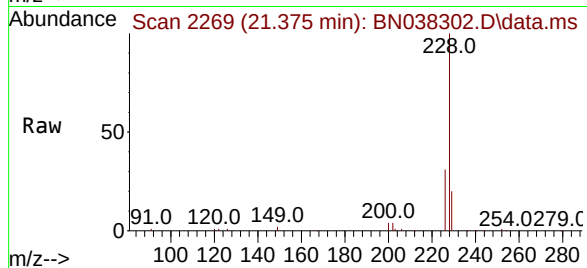
Tgt Ion:228 Resp: 76200

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.4

229 19.6 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.423 ng

RT: 21.268 min Scan# 2257

Delta R.T. 0.000 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

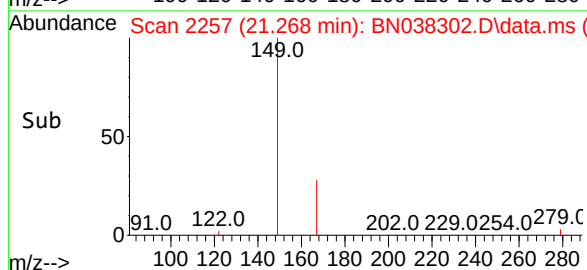
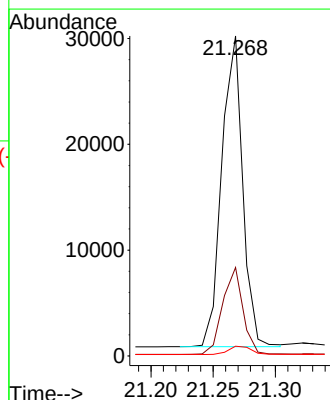
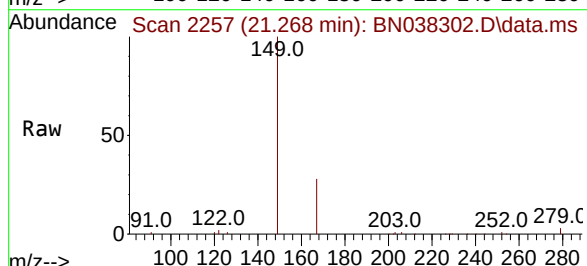
Tgt Ion:149 Resp: 34320

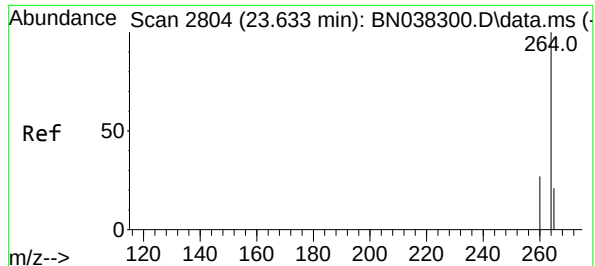
Ion Ratio Lower Upper

149 100

167 27.2 21.4 32.0

279 3.0 2.4 3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.630 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

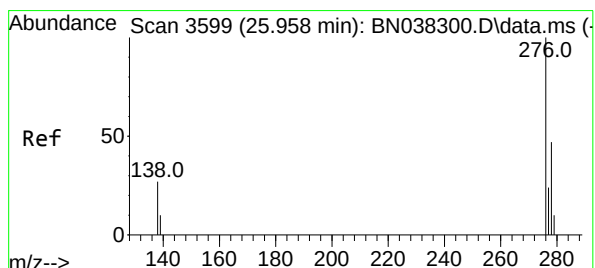
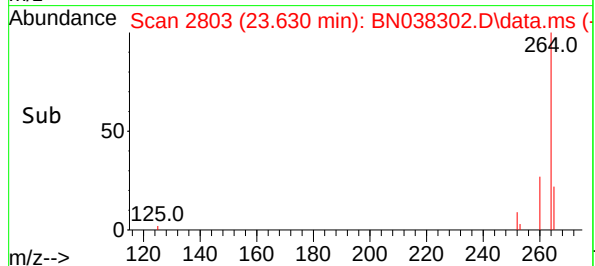
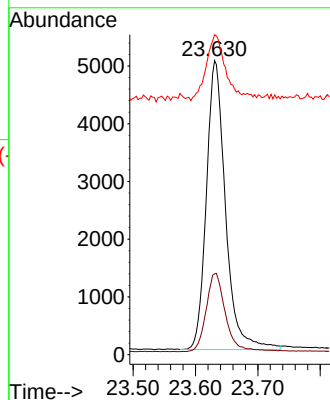
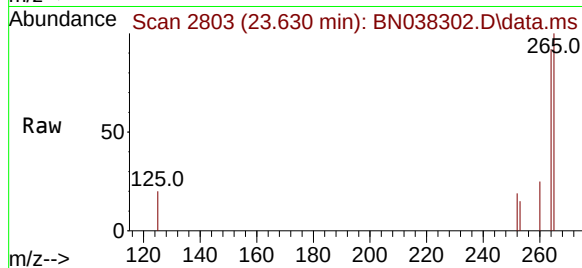
Tgt Ion:264 Resp: 10679

Ion Ratio Lower Upper

264 100

260 27.5 22.2 33.2

265 108.8 80.2 120.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.595 ng

RT: 25.955 min Scan# 3598

Delta R.T. -0.009 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

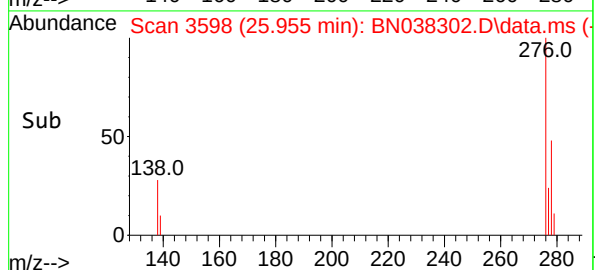
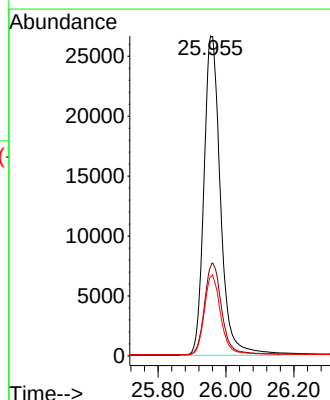
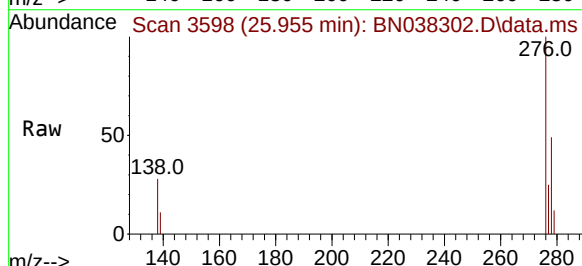
Tgt Ion:276 Resp: 90364

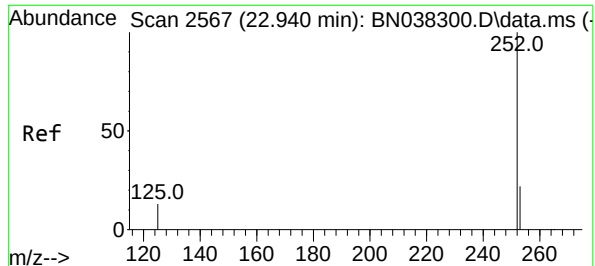
Ion Ratio Lower Upper

276 100

138 29.6 23.6 35.4

277 24.6 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 1.591 ng

RT: 22.940 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

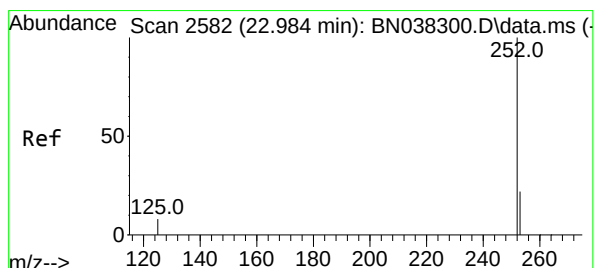
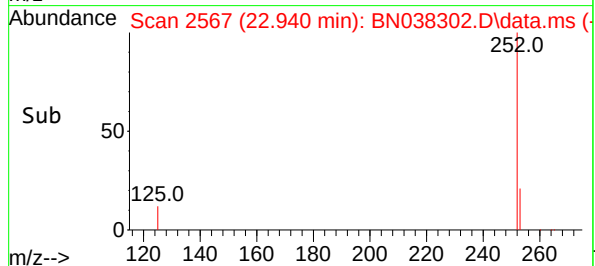
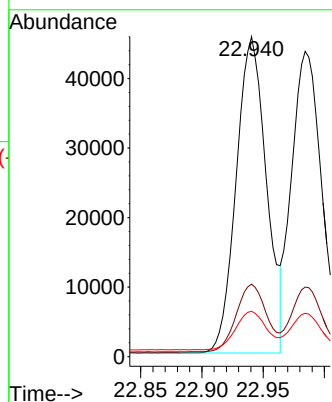
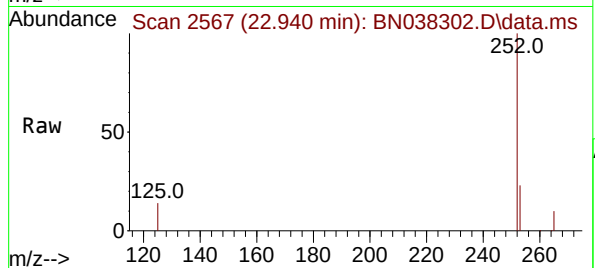
Tgt Ion:252 Resp: 78044

Ion Ratio Lower Upper

252 100

253 22.7 21.1 31.7

125 14.2 16.4 24.6#



#38

Benzo(k)fluoranthene

Concen: 1.593 ng

RT: 22.984 min Scan# 2582

Delta R.T. -0.006 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

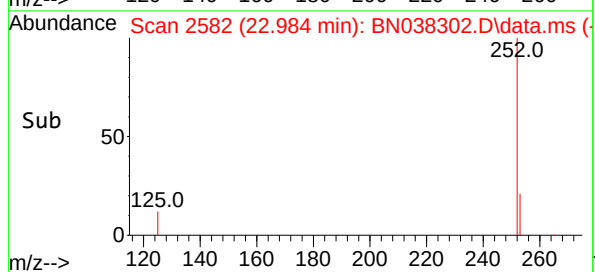
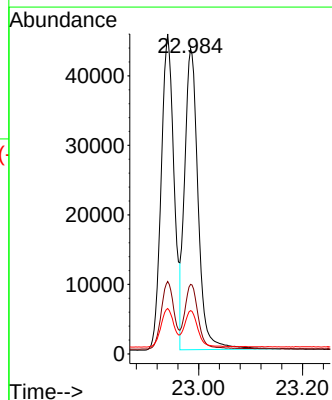
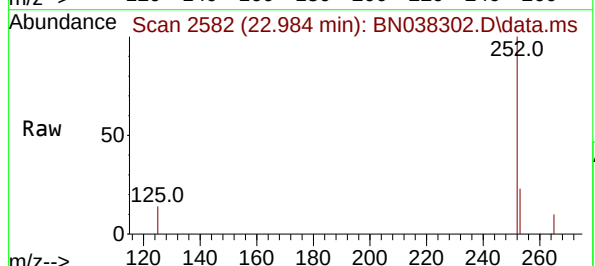
Tgt Ion:252 Resp: 77879

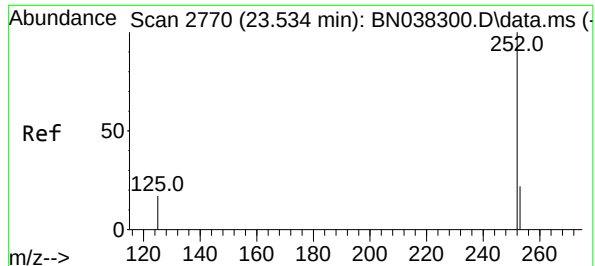
Ion Ratio Lower Upper

252 100

253 22.8 21.4 32.0

125 14.2 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 1.574 ng

RT: 23.531 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

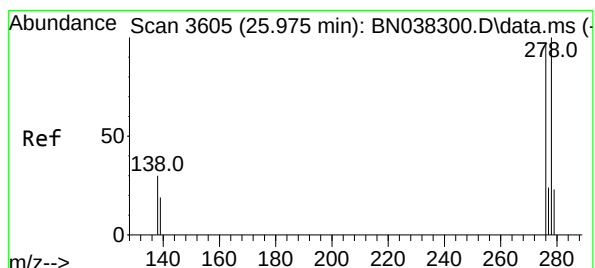
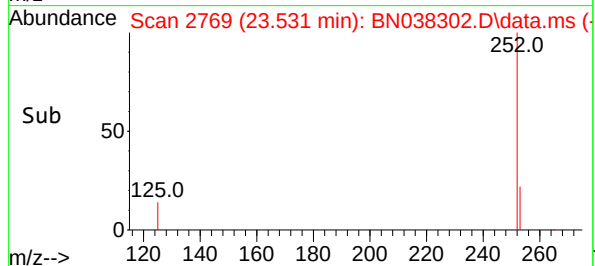
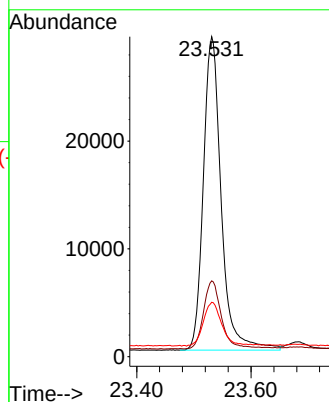
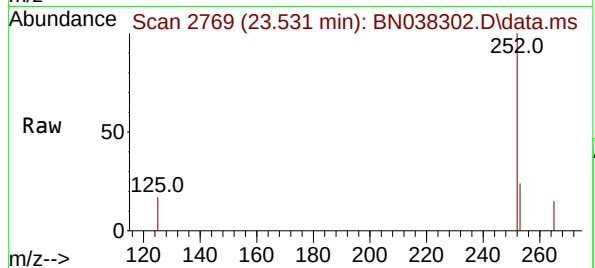
Tgt Ion:252 Resp: 63182

Ion Ratio Lower Upper

252 100

253 23.7 23.3 34.9

125 17.0 22.4 33.6#



#40

Dibenzo(a,h)anthracene

Concen: 1.614 ng

RT: 25.975 min Scan# 3605

Delta R.T. -0.006 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

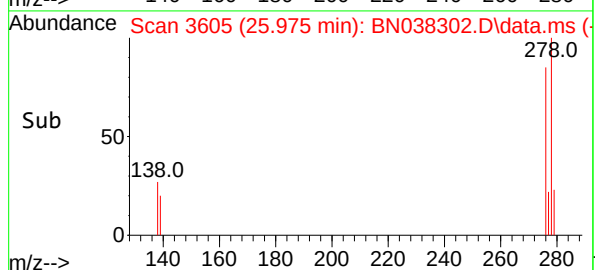
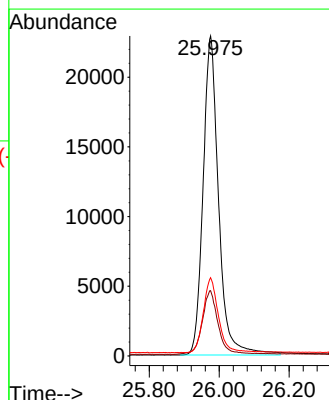
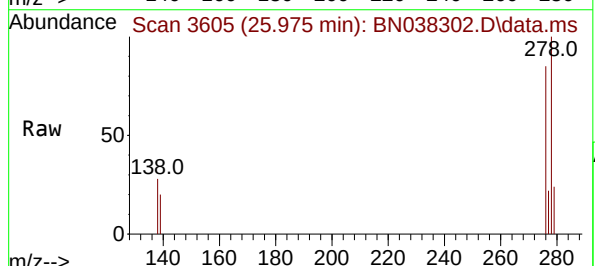
Tgt Ion:278 Resp: 70529

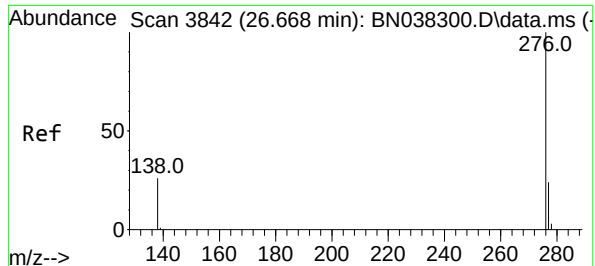
Ion Ratio Lower Upper

278 100

139 20.4 17.8 26.8

279 24.5 21.3 31.9





#41

Benzo(g,h,i)perylene

Concen: 1.590 ng

RT: 26.665 min Scan# 3841

Delta R.T. -0.012 min

Lab File: BN038302.D

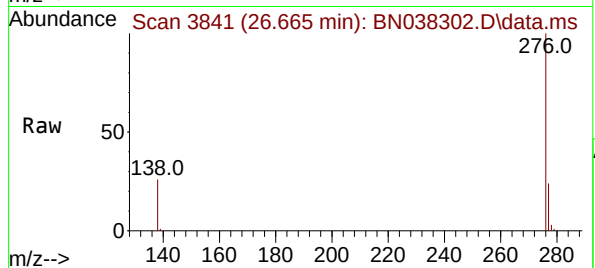
Acq: 10 Dec 2025 12:17

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



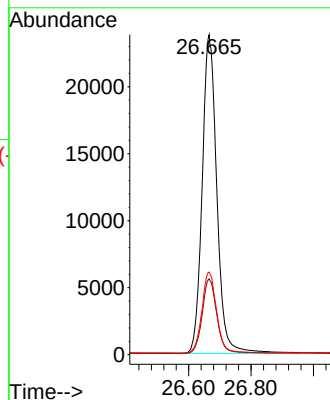
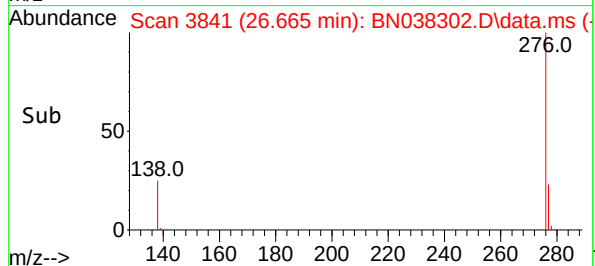
Tgt Ion:276 Resp: 77643

Ion Ratio Lower Upper

276 100

277 23.7 20.0 30.0

138 25.8 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038303.D
 Acq On : 10 Dec 2025 12:53
 Operator : RC/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

Quant Time: Dec 10 14:00:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

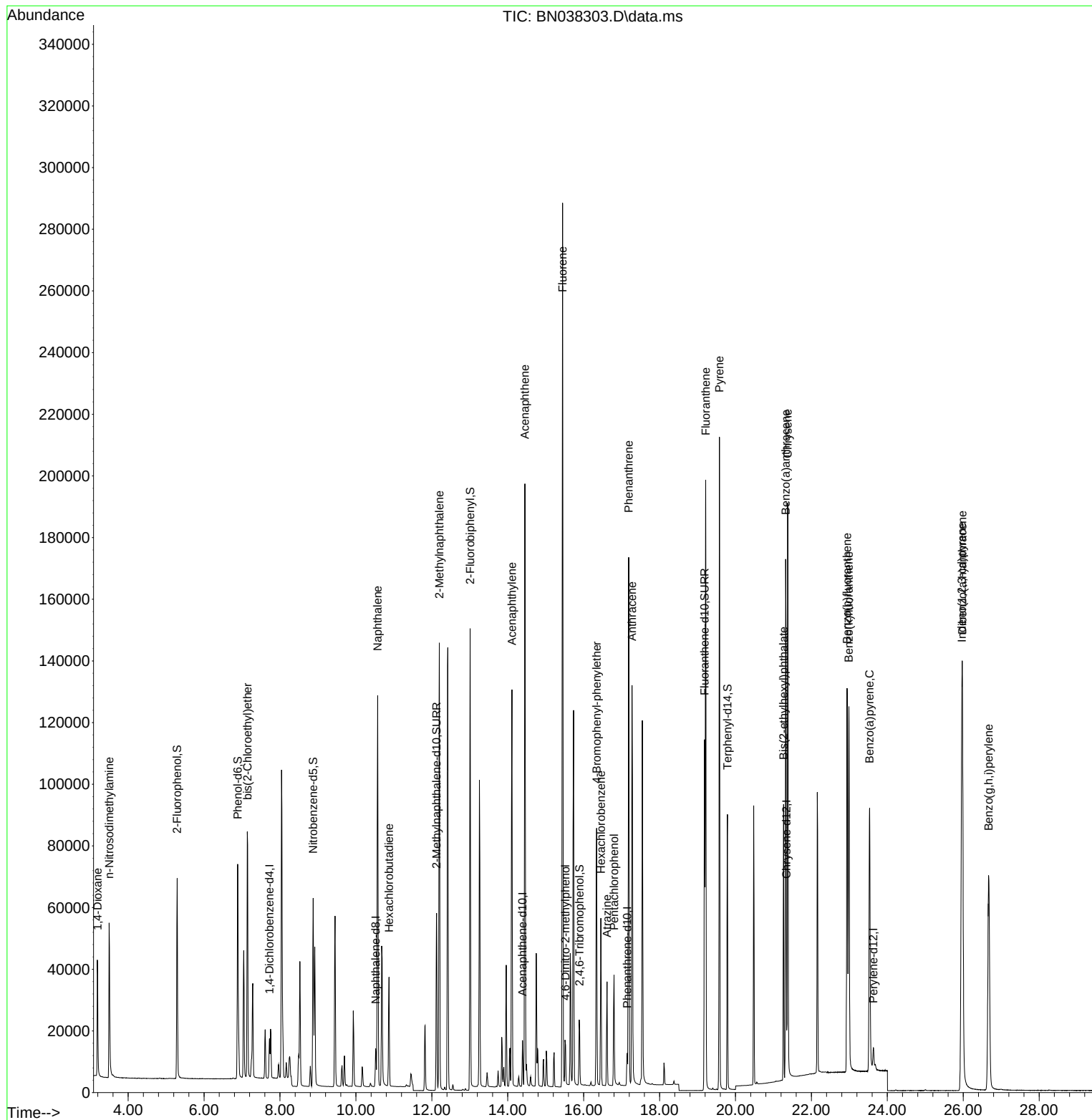
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6243	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	16175	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8192	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	14208	0.400	ng	0.00
29) Chrysene-d12	21.340	240	11022	0.400	ng	0.00
35) Perylene-d12	23.633	264	9816	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	50921	3.275	ng	0.00
5) Phenol-d6	6.887	99	63079	3.413	ng	0.00
8) Nitrobenzene-d5	8.875	82	46345	3.397	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	77323	3.389	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	12871	3.541	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	134089	3.398	ng	0.00
27) Fluoranthene-d10	19.183	212	118814	3.381	ng	0.00
31) Terphenyl-d14	19.787	244	78759	3.202	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.196	88	22789	3.184	ng	99
3) n-Nitrosodimethylamine	3.499	42	29418	3.278	ng	# 96
6) bis(2-Chloroethyl)ether	7.147	93	58758	3.250	ng	98
9) Naphthalene	10.573	128	159268	3.331	ng	98
10) Hexachlorobutadiene	10.872	225	27470	3.232	ng	# 99
12) 2-Methylnaphthalene	12.197	142	102695	3.384	ng	99
16) Acenaphthylene	14.110	152	139550	3.469	ng	100
17) Acenaphthene	14.452	154	95652	3.413	ng	97
18) Fluorene	15.446	166	121052	3.357	ng	99
20) 4,6-Dinitro-2-methylph...	15.522	198	9649	4.128	ng	# 43
21) 4-Bromophenyl-phenylether	16.342	248	35254	3.344	ng	95
22) Hexachlorobenzene	16.453	284	40638	3.207	ng	99
23) Atrazine	16.615	200	25071	3.487	ng	97
24) Pentachlorophenol	16.801	266	17764	3.592	ng	99
25) Phenanthrene	17.186	178	163576	3.308	ng	100
26) Anthracene	17.273	178	148322	3.479	ng	100
28) Fluoranthene	19.215	202	177518	3.377	ng	99
30) Pyrene	19.578	202	178334	3.287	ng	100
32) Benzo(a)anthracene	21.322	228	144401	3.391	ng	99
33) Chrysene	21.375	228	153835	3.281	ng	100
34) Bis(2-ethylhexyl)phtha...	21.268	149	73028	3.126	ng	100
36) Indeno(1,2,3-cd)pyrene	25.963	276	182271	3.499	ng	99
37) Benzo(b)fluoranthene	22.940	252	155996	3.460	ng	# 88
38) Benzo(k)fluoranthene	22.987	252	157545	3.505	ng	# 88
39) Benzo(a)pyrene	23.534	252	128763	3.490	ng	# 82
40) Dibenzo(a,h)anthracene	25.978	278	143161	3.565	ng	95
41) Benzo(g,h,i)perylene	26.668	276	154373	3.439	ng	98

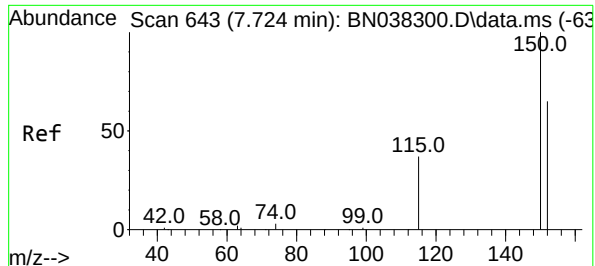
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
Data File : BN038303.D
Acq On : 10 Dec 2025 12:53
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Dec 10 14:00:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

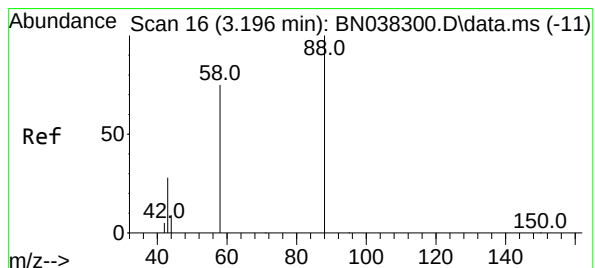
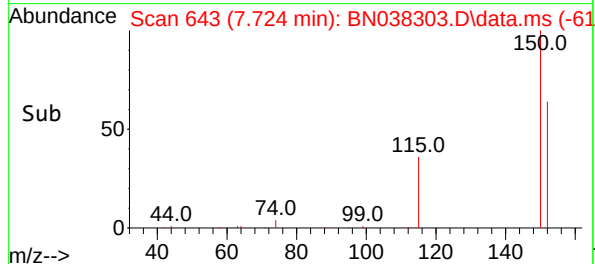
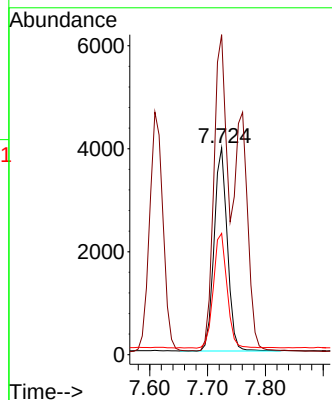
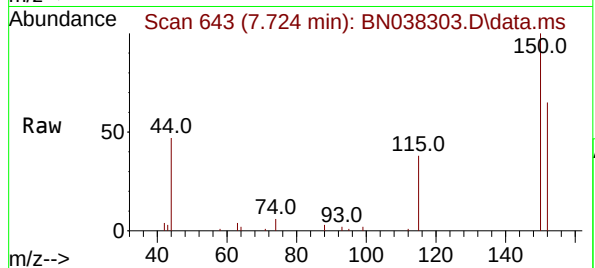




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

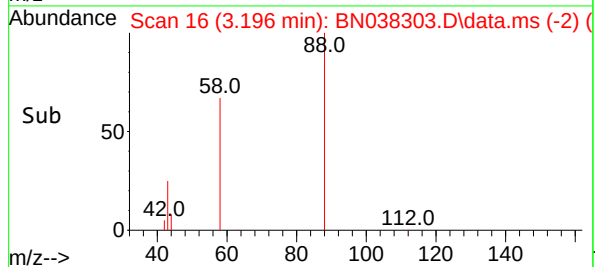
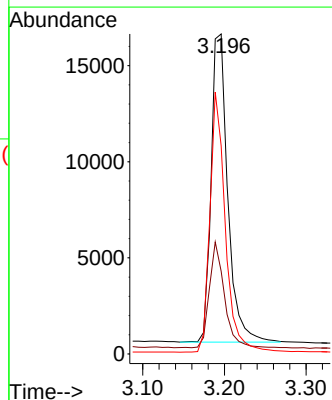
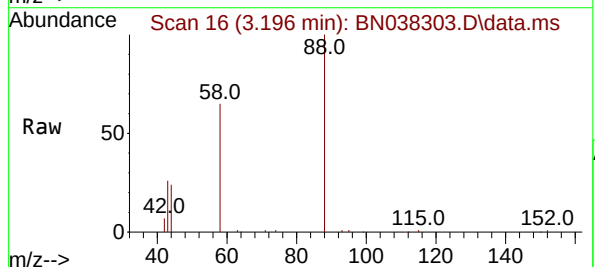
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

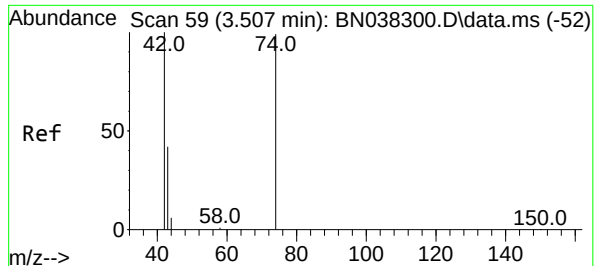
Tgt Ion:152 Resp: 6243
Ion Ratio Lower Upper
152 100
150 154.7 122.4 183.6
115 58.6 47.3 70.9



#2
1,4-Dioxane
Concen: 3.184 ng
RT: 3.196 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion: 88 Resp: 22789
Ion Ratio Lower Upper
88 100
43 30.8 24.9 37.3
58 78.0 61.4 92.0

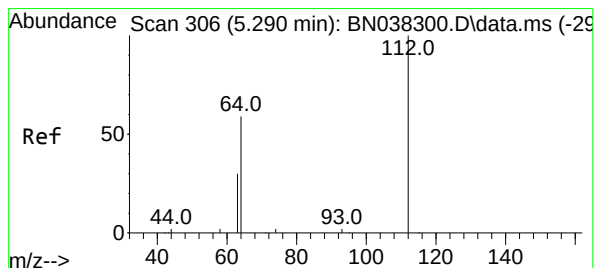
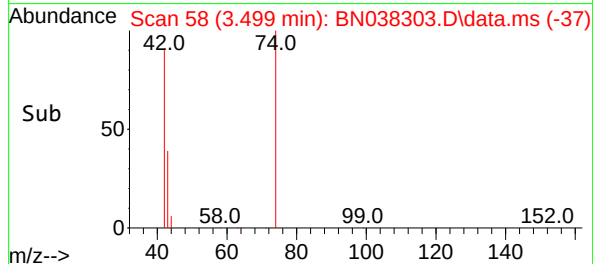
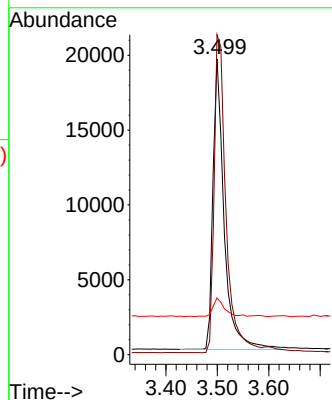
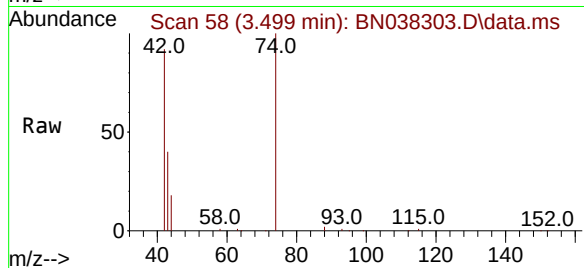




#3
n-Nitrosodimethylamine
Concen: 3.278 ng
RT: 3.499 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

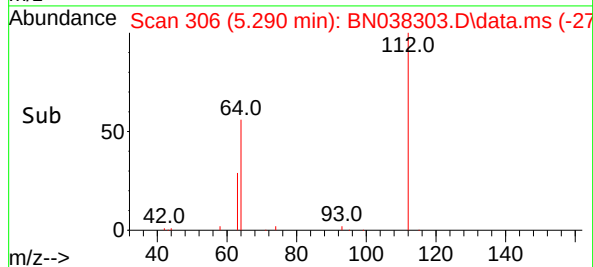
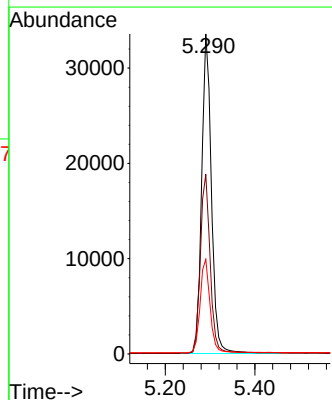
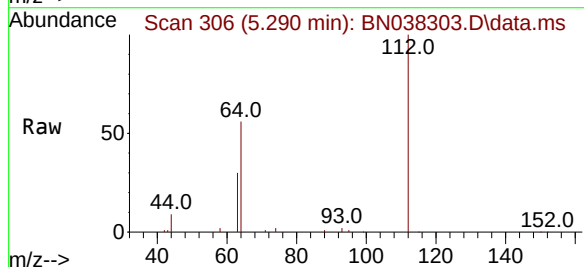
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

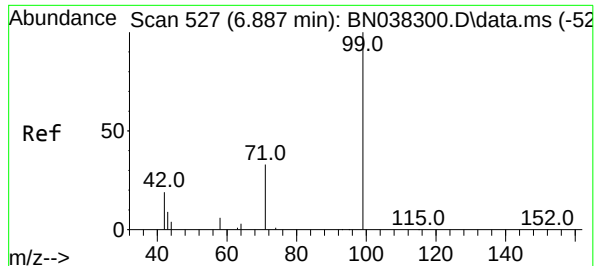
Tgt Ion: 42 Resp: 29418
Ion Ratio Lower Upper
42 100
74 115.5 95.3 142.9
44 6.8 7.9 11.9#



#4
2-Fluorophenol
Concen: 3.275 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion: 112 Resp: 50921
Ion Ratio Lower Upper
112 100
64 56.7 44.4 66.6
63 29.7 23.4 35.0

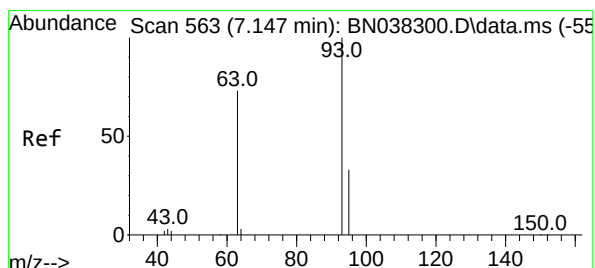
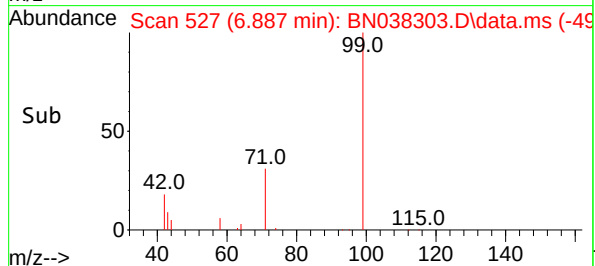
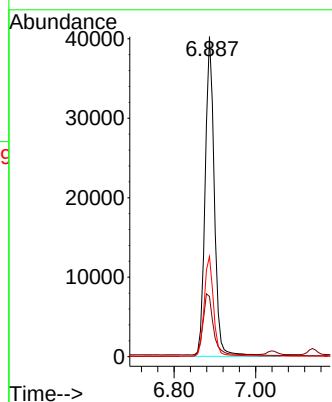
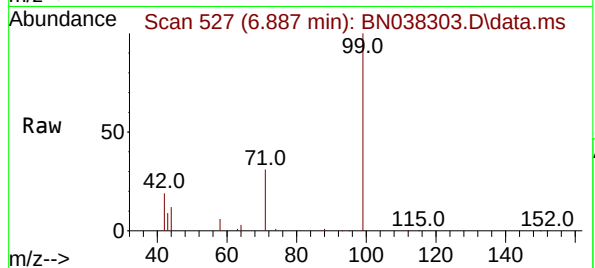




#5
Phenol-d6
Concen: 3.413 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

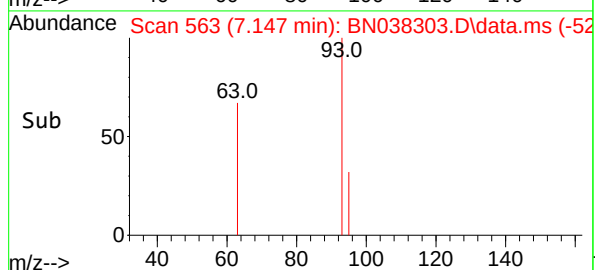
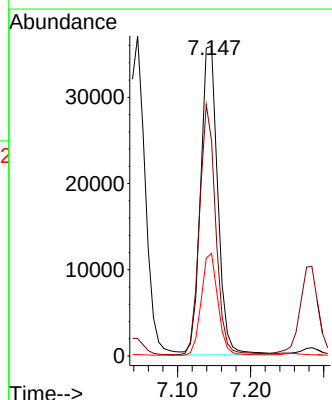
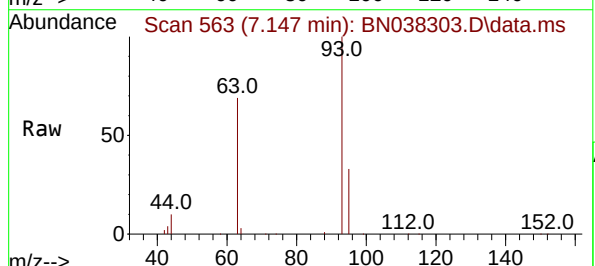
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

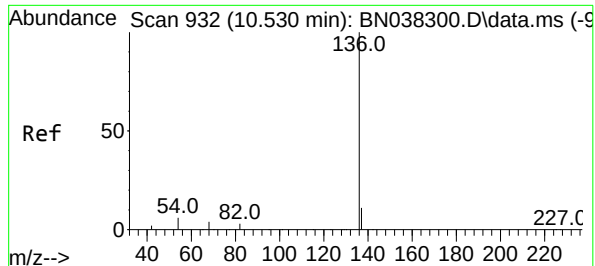
Tgt Ion: 99 Resp: 63079
Ion Ratio Lower Upper
99 100
42 21.3 16.5 24.7
71 31.7 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 3.250 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion: 93 Resp: 58758
Ion Ratio Lower Upper
93 100
63 75.7 59.2 88.8
95 32.0 25.2 37.8

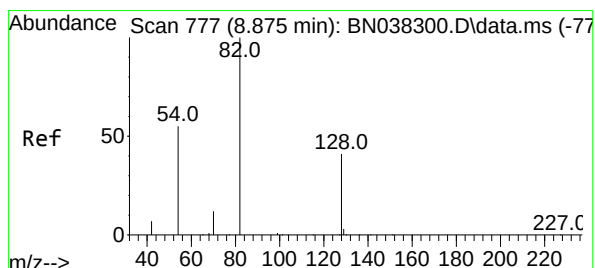
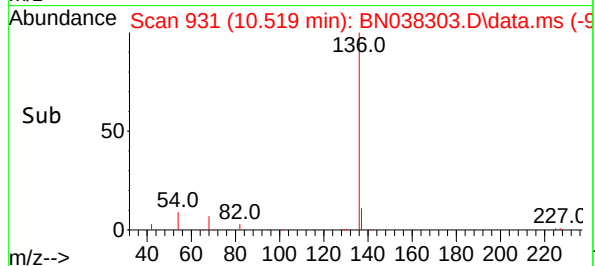
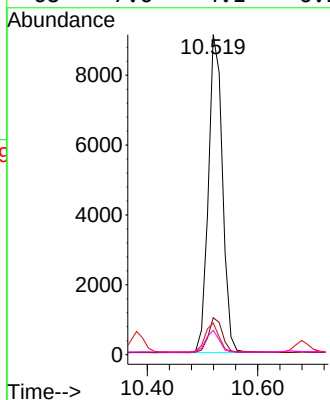
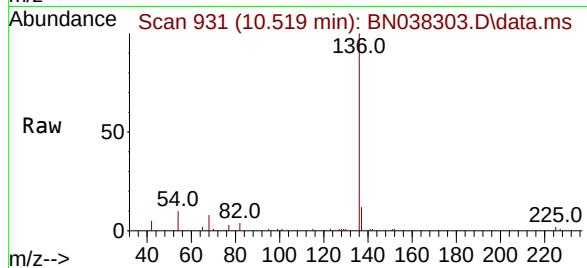




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

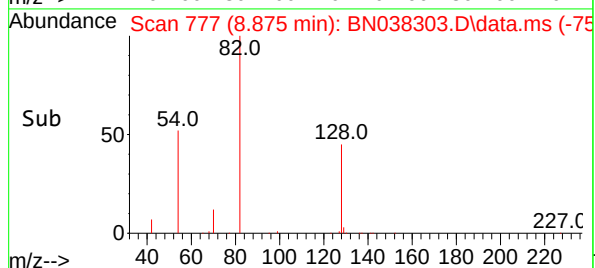
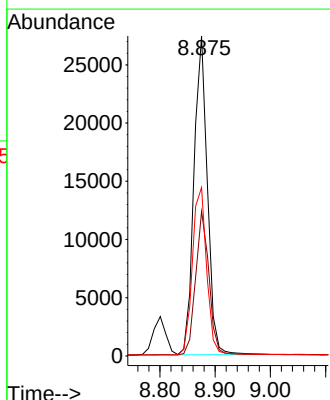
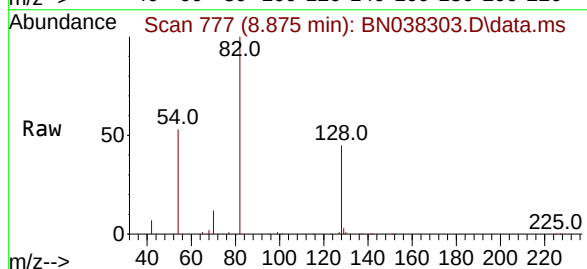
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

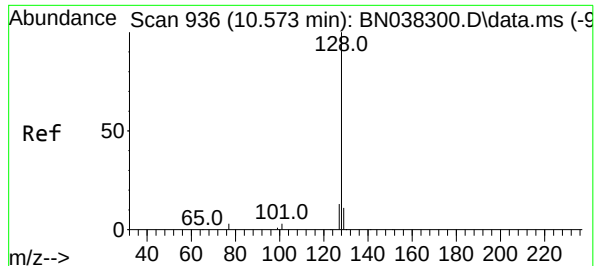
Tgt Ion:136 Resp: 16175
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 9.9 5.2 7.8#
68 7.6 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 3.397 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion: 82 Resp: 46345
Ion Ratio Lower Upper
82 100
128 45.2 34.0 51.0
54 52.6 44.4 66.6

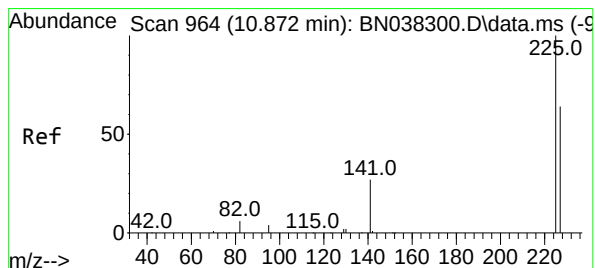
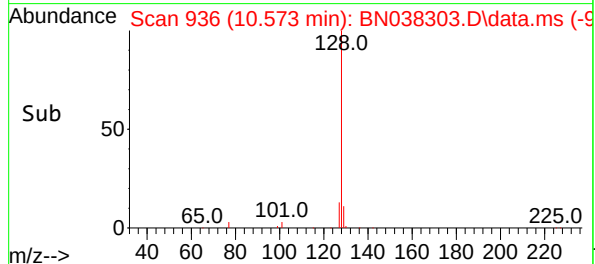
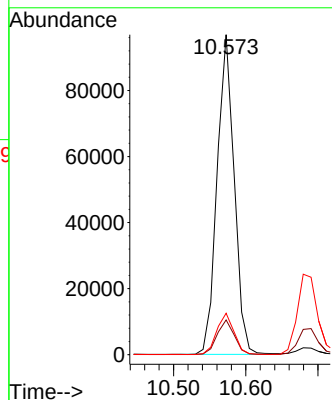
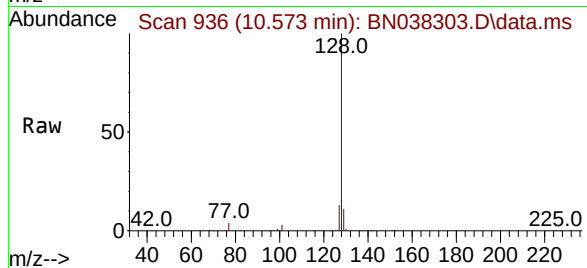




#9
Naphthalene
Concen: 3.331 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

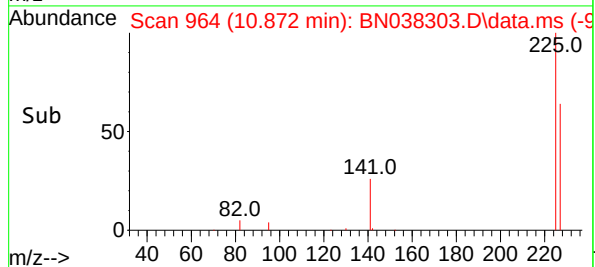
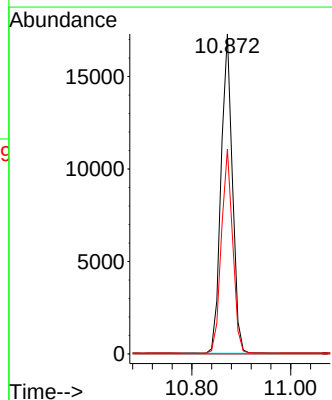
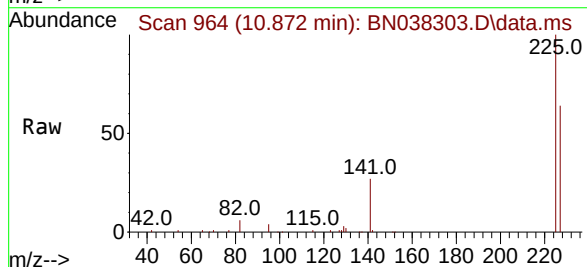
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

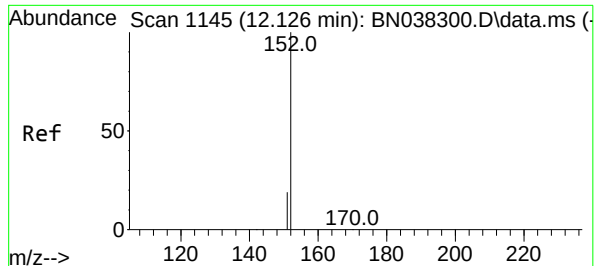
Tgt Ion:128 Resp: 159268
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.0 10.9 16.3



#10
Hexachlorobutadiene
Concen: 3.232 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion:225 Resp: 27470
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.6 51.2 76.8

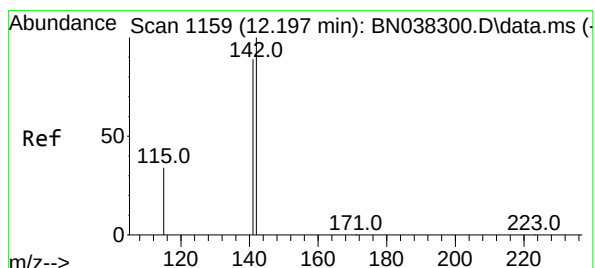
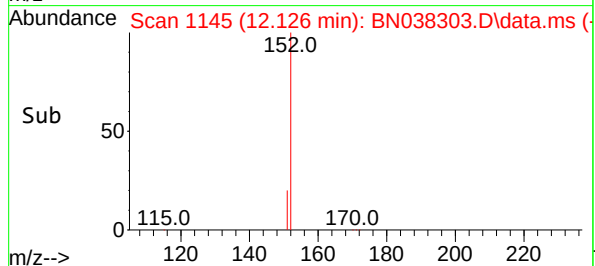
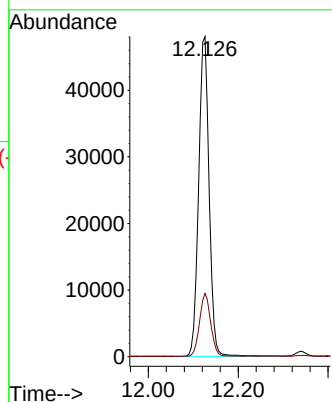
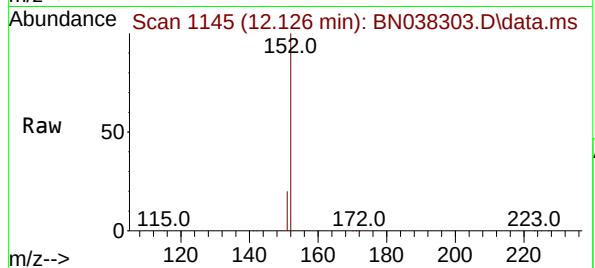




#11
2-Methylnaphthalene-d10
Concen: 3.389 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

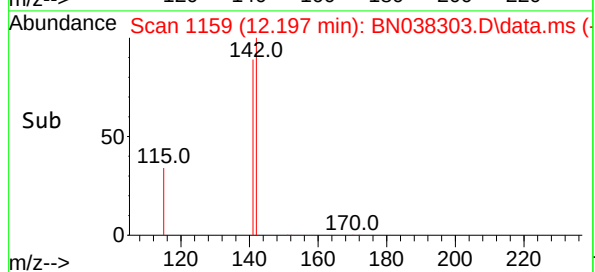
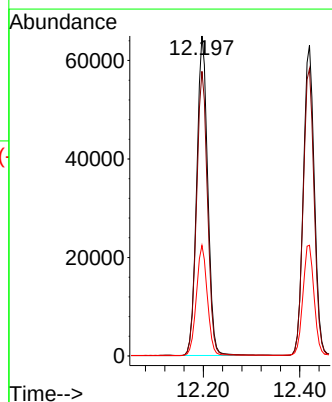
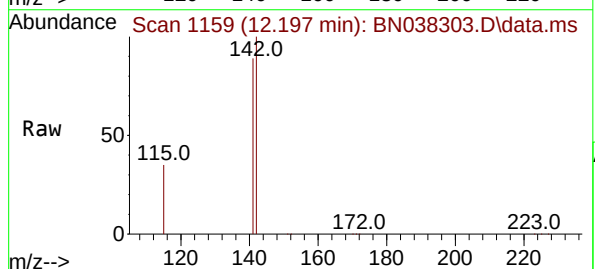
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

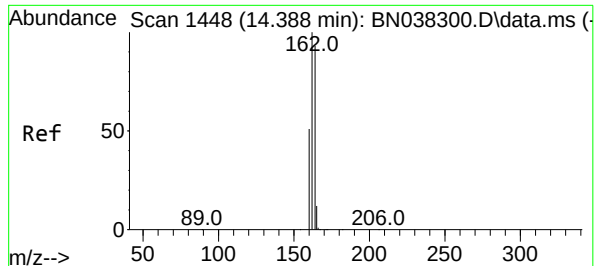
Tgt Ion:152 Resp: 77323
Ion Ratio Lower Upper
152 100
151 21.0 17.0 25.6



#12
2-Methylnaphthalene
Concen: 3.384 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion:142 Resp: 102695
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.2
115 34.6 28.4 42.6

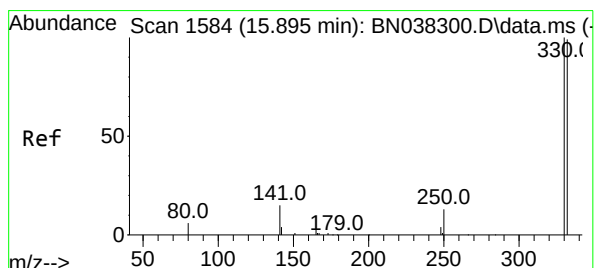
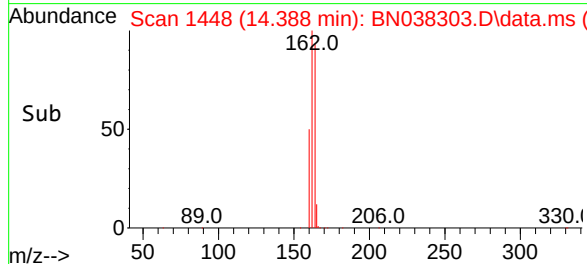
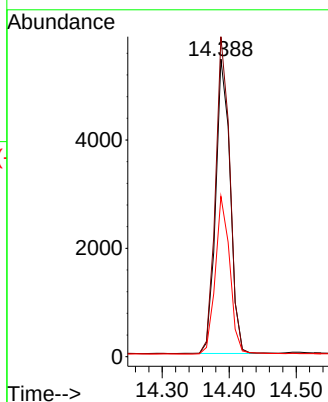
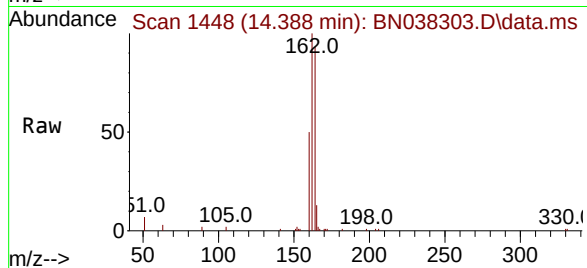




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

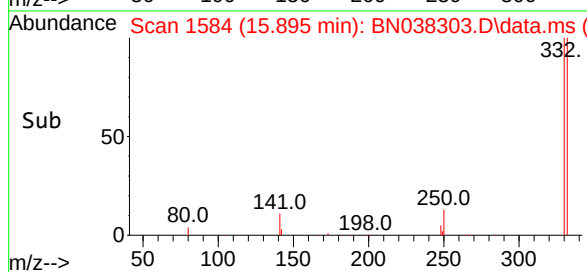
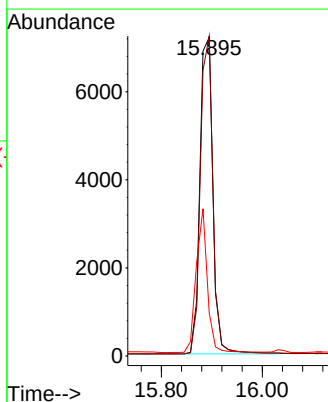
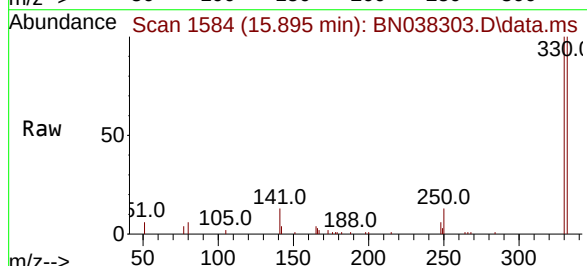
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

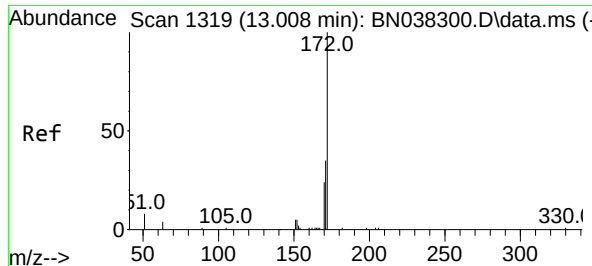
Tgt Ion:164 Resp: 8192
Ion Ratio Lower Upper
164 100
162 107.5 86.2 129.4
160 53.9 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 3.541 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion:330 Resp: 12871
Ion Ratio Lower Upper
330 100
332 96.9 75.8 113.6
141 39.1 31.8 47.8

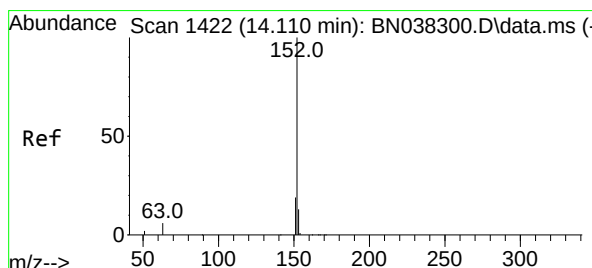
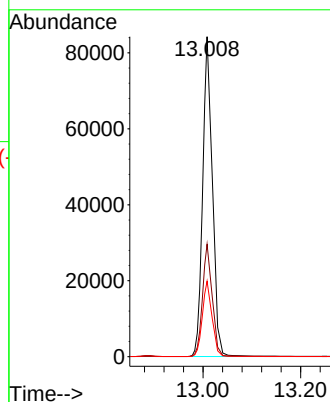
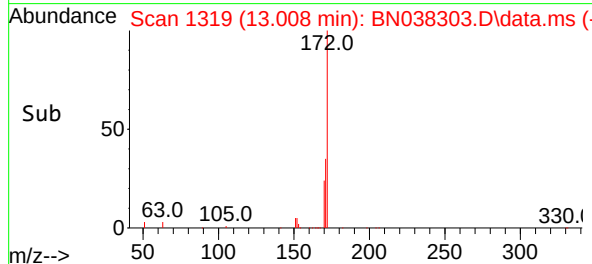
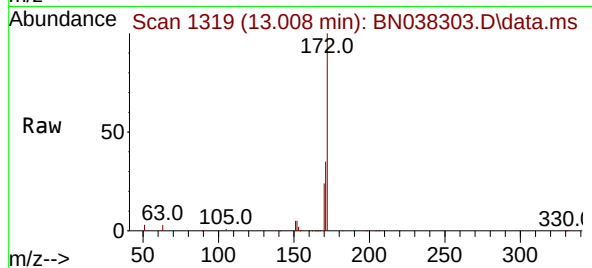




#15
2-Fluorobiphenyl
Concen: 3.398 ng
RT: 13.008 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

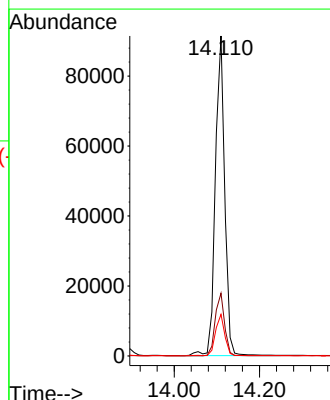
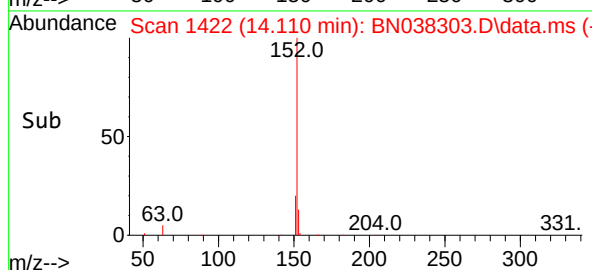
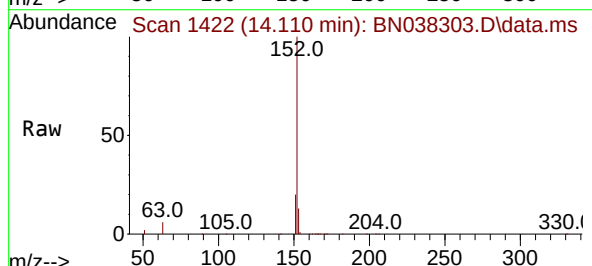
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

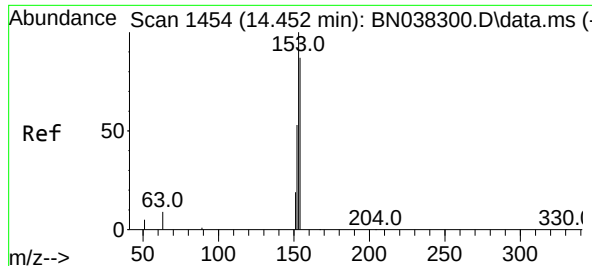
Tgt Ion:172 Resp: 134089
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.6 19.3 28.9



#16
Acenaphthylene
Concen: 3.469 ng
RT: 14.110 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion:152 Resp: 139550
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.2
153 12.9 10.2 15.4

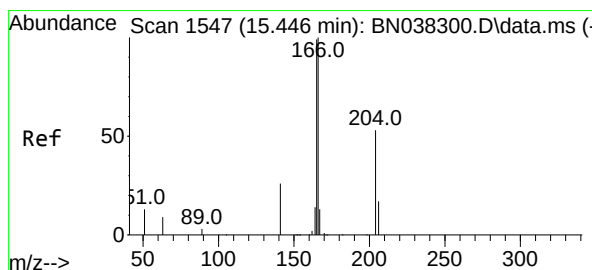
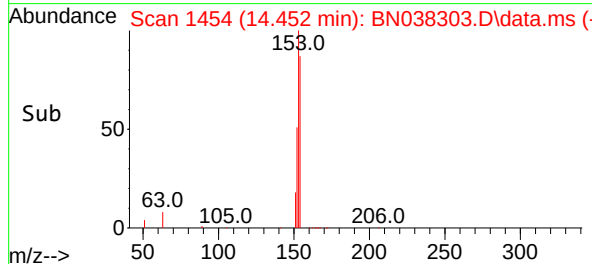
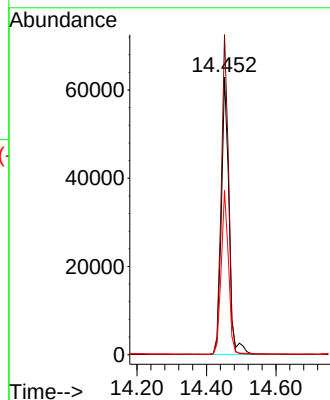
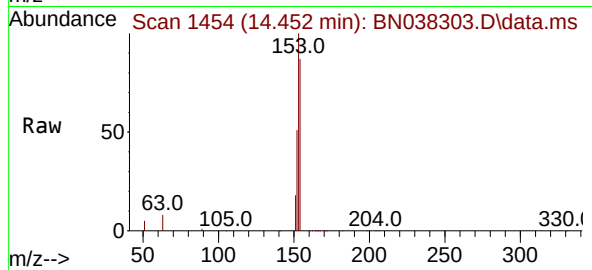




#17
Acenaphthene
Concen: 3.413 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

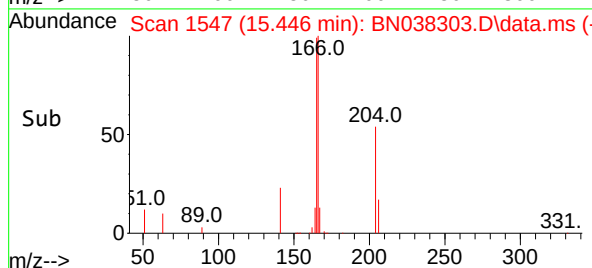
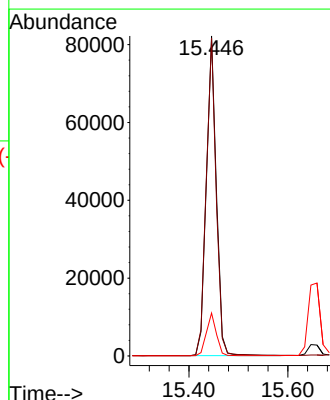
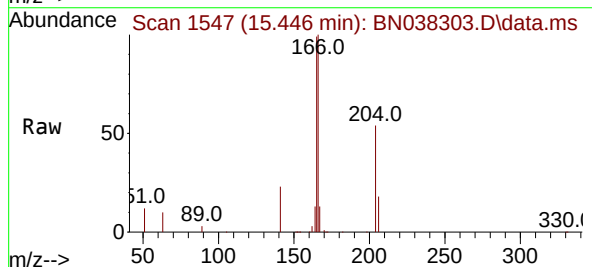
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

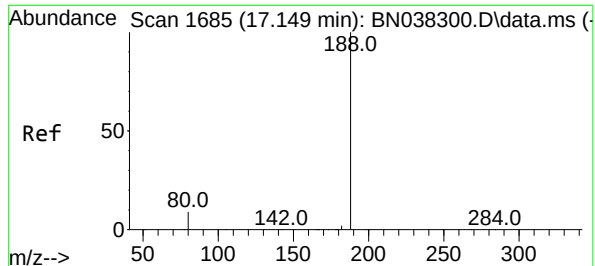
Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.5	89.8	134.8
152	56.6	47.5	71.3



#18
Fluorene
Concen: 3.357 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.0	80.2	120.4
167	13.1	10.6	16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

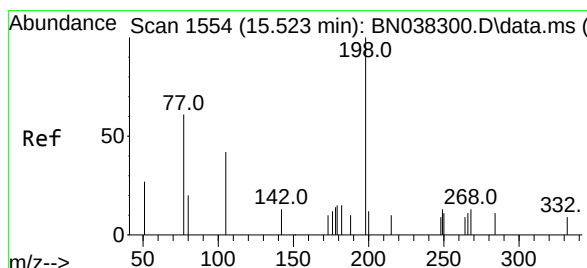
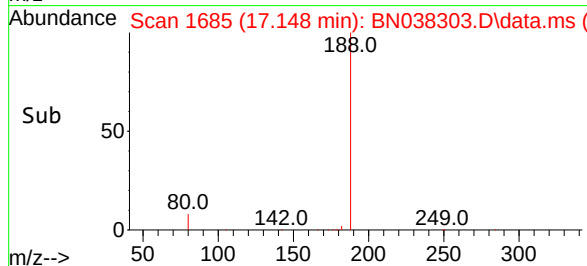
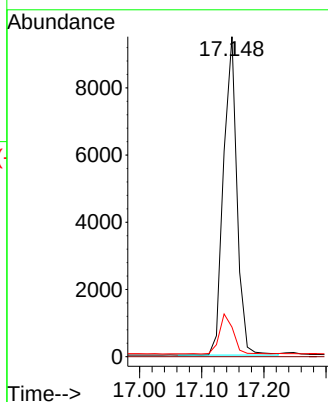
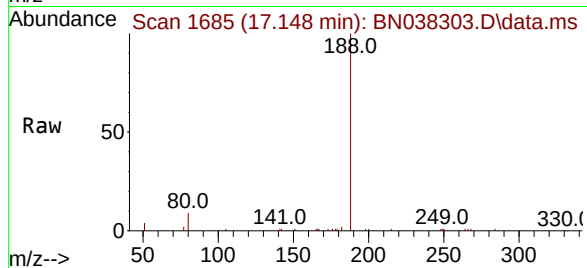
Tgt Ion:188 Resp: 14208

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.2 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 4.128 ng

RT: 15.522 min Scan# 1554

Delta R.T. 0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

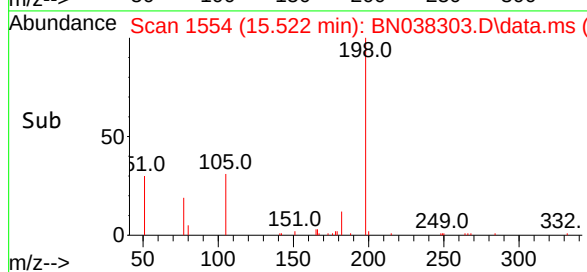
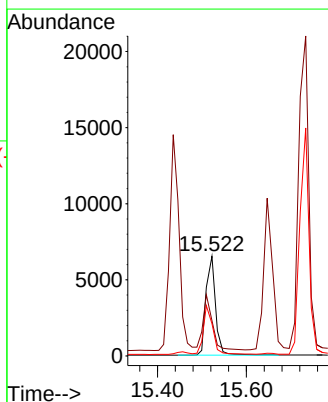
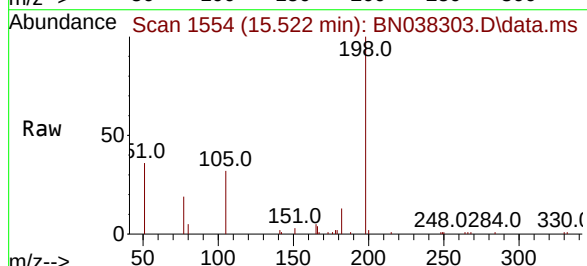
Tgt Ion:198 Resp: 9649

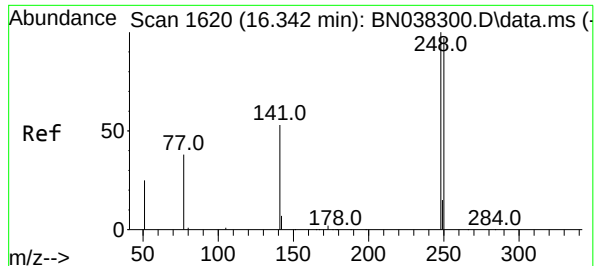
Ion Ratio Lower Upper

198 100

51 35.5 86.3 129.5#

105 32.4 45.3 67.9#





#21

4-Bromophenyl-phenylether

Concen: 3.344 ng

RT: 16.342 min Scan# 1620

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

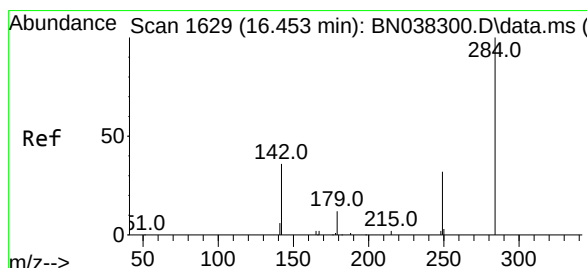
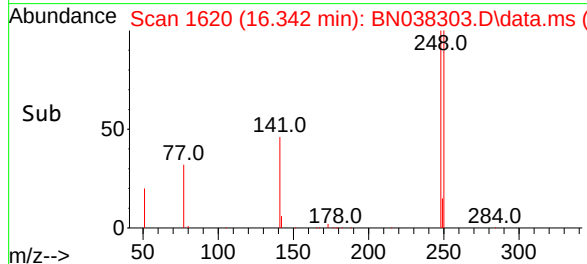
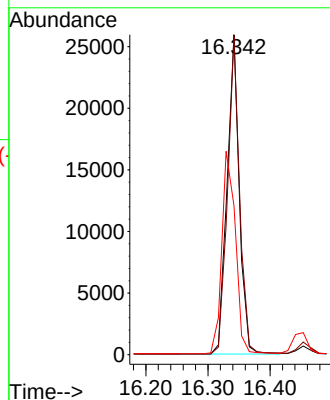
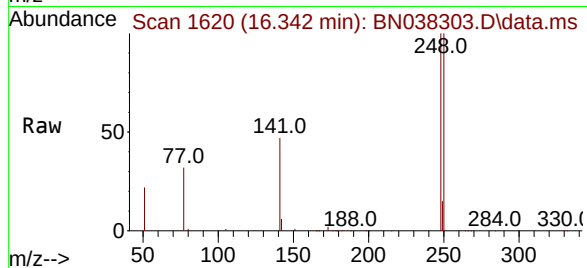
Tgt Ion:248 Resp: 35254

Ion Ratio Lower Upper

248 100

250 99.8 78.2 117.2

141 46.6 43.7 65.5



#22

Hexachlorobenzene

Concen: 3.207 ng

RT: 16.453 min Scan# 1629

Delta R.T. -0.012 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

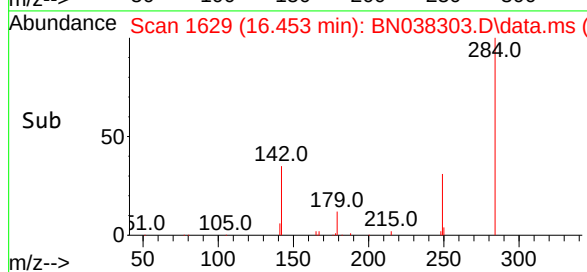
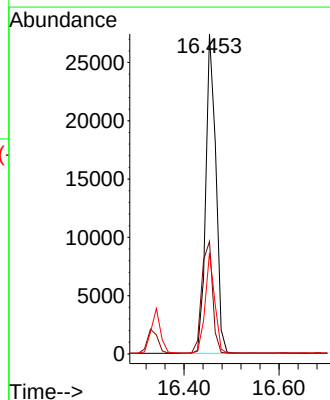
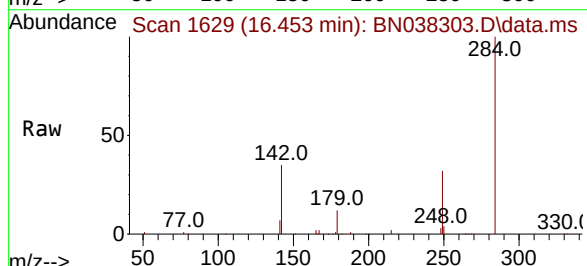
Tgt Ion:284 Resp: 40638

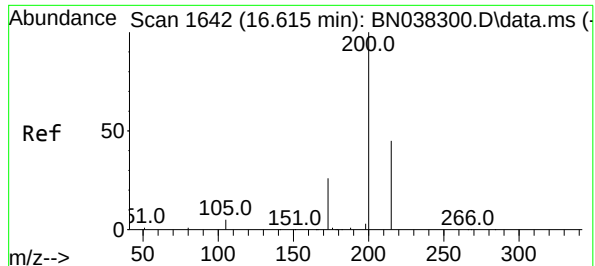
Ion Ratio Lower Upper

284 100

142 37.8 29.5 44.3

249 29.5 23.7 35.5

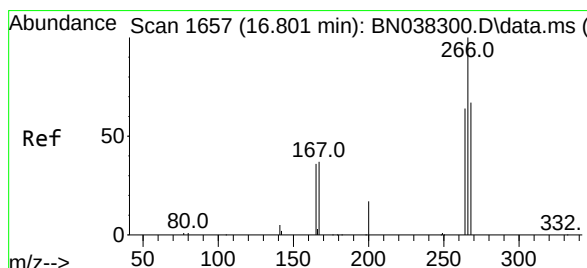
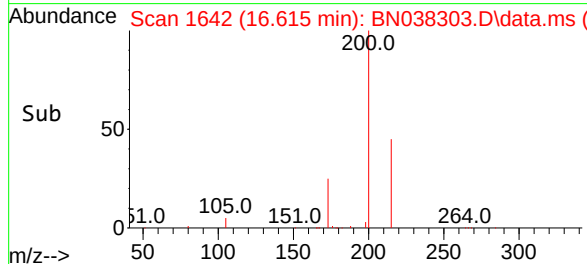
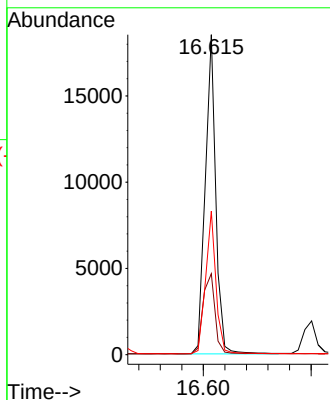
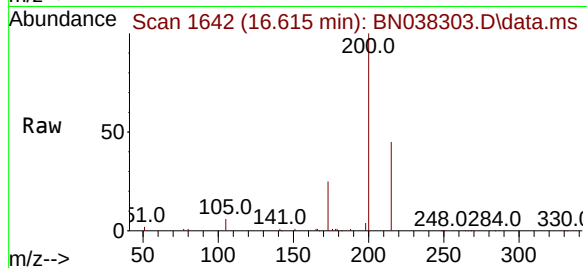




#23
Atrazine
Concen: 3.487 ng
RT: 16.615 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

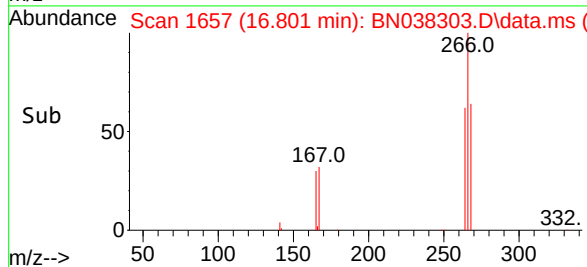
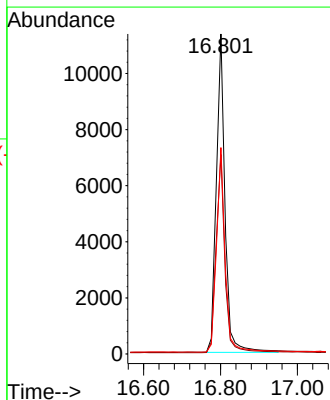
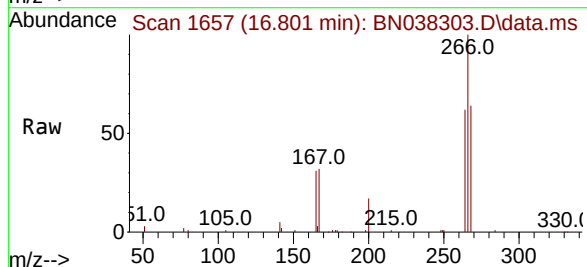
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

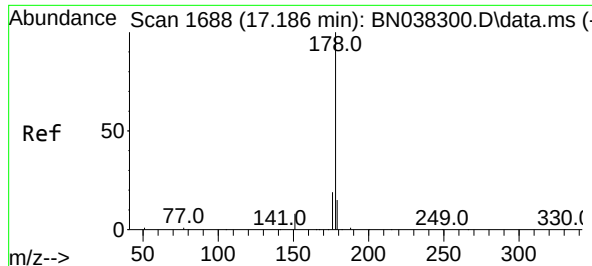
Tgt Ion	Ratio	Lower	Upper
200	100		
173	25.3	22.1	33.1
215	44.9	37.4	56.2



#24
Pentachlorophenol
Concen: 3.592 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.7	50.2	75.2
268	63.9	52.6	78.8

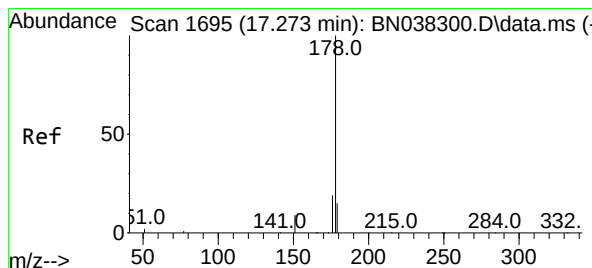
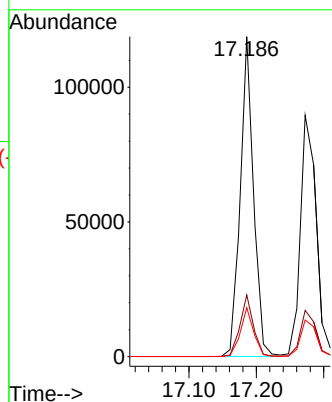
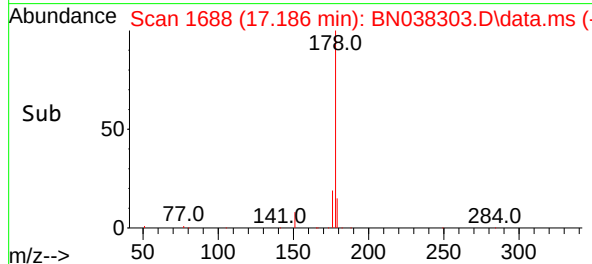
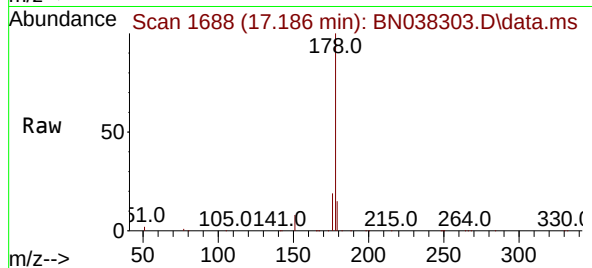




#25
Phenanthrene
Concen: 3.308 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

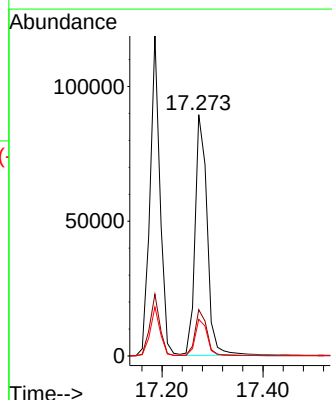
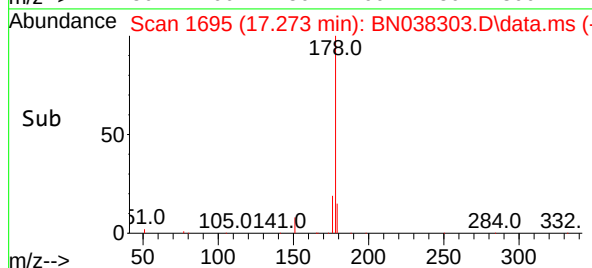
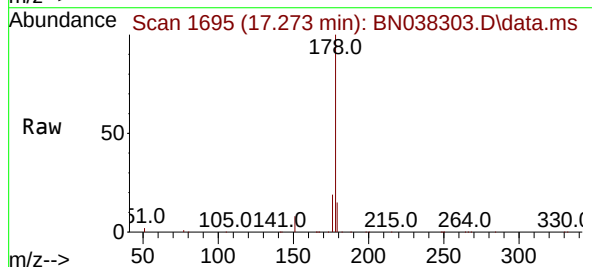
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

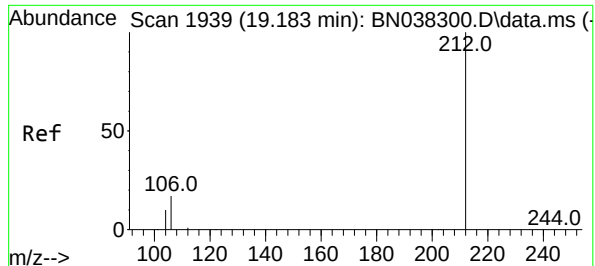
Tgt Ion:178 Resp: 163576
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.2 12.2 18.2



#26
Anthracene
Concen: 3.479 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion:178 Resp: 148322
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.3 12.0 18.0





#27

Fluoranthene-d10

Concen: 3.381 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

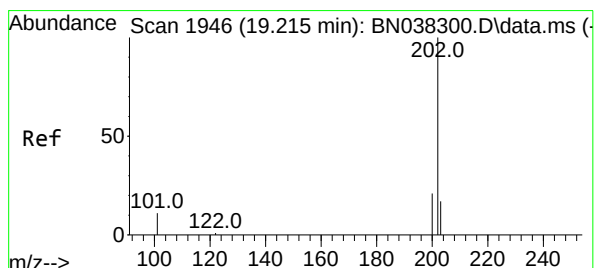
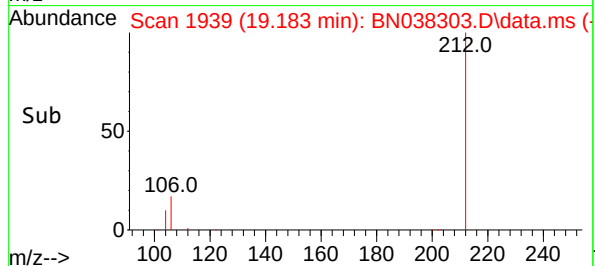
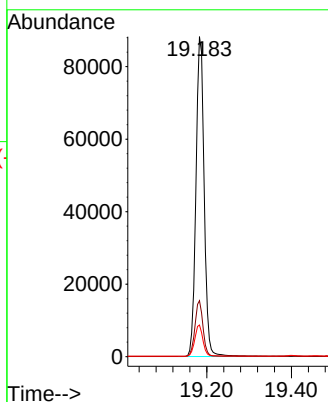
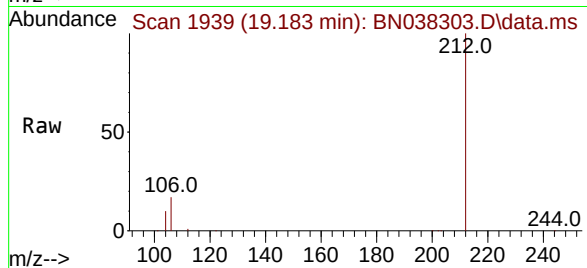
Tgt Ion:212 Resp: 118814

Ion Ratio Lower Upper

212 100

106 17.1 13.7 20.5

104 9.7 7.8 11.8



#28

Fluoranthene

Concen: 3.377 ng

RT: 19.215 min Scan# 1946

Delta R.T. -0.005 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

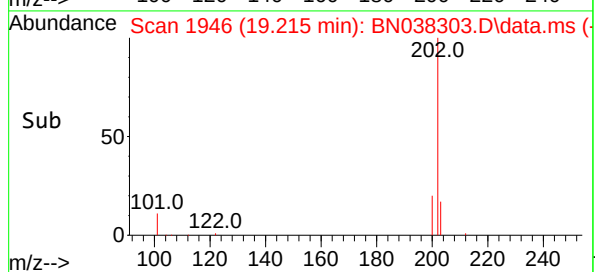
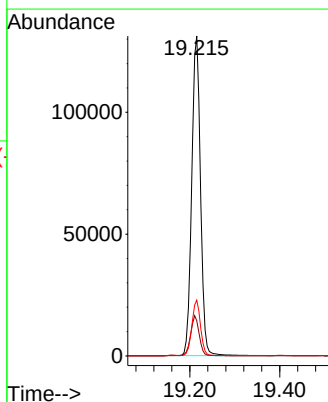
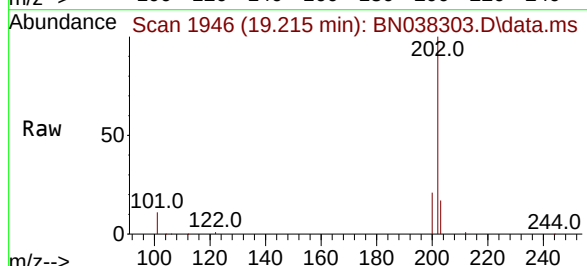
Tgt Ion:202 Resp: 177518

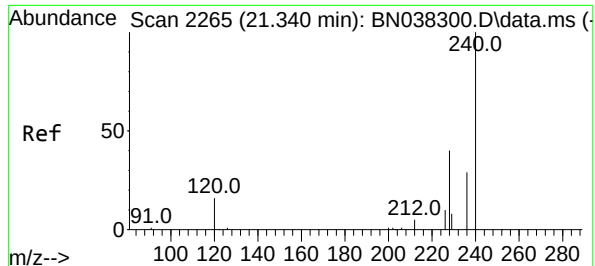
Ion Ratio Lower Upper

202 100

101 12.4 9.6 14.4

203 17.2 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

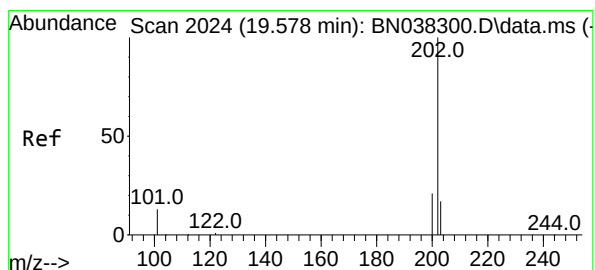
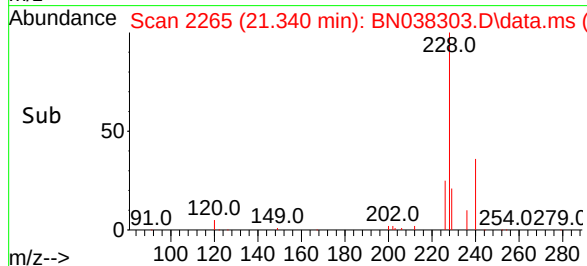
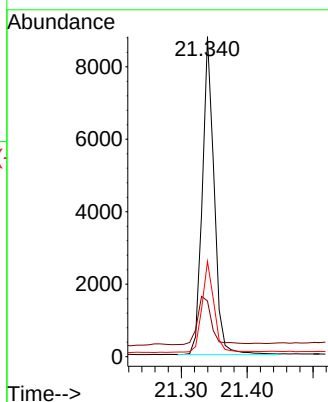
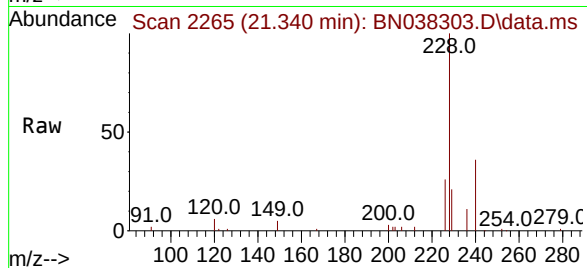
Tgt Ion:240 Resp: 11022

Ion Ratio Lower Upper

240 100

120 17.4 15.4 23.2

236 29.8 23.9 35.9



#30

Pyrene

Concen: 3.287 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.005 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

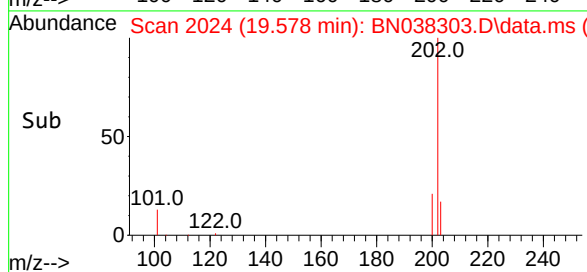
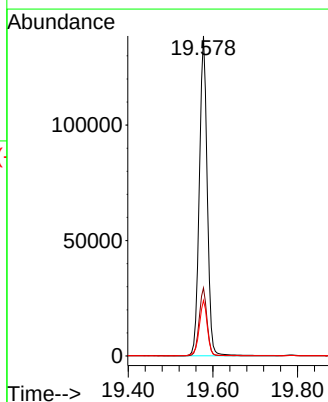
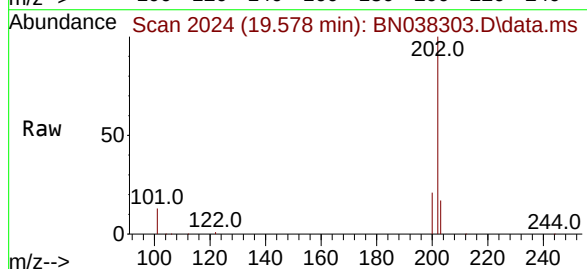
Tgt Ion:202 Resp: 178334

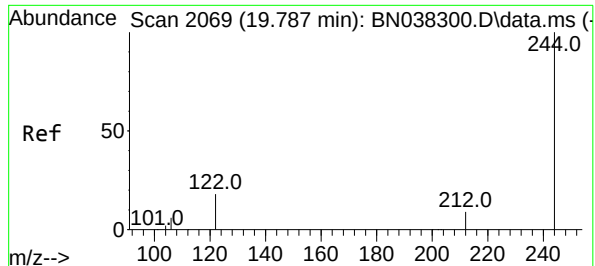
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.7 14.2 21.2

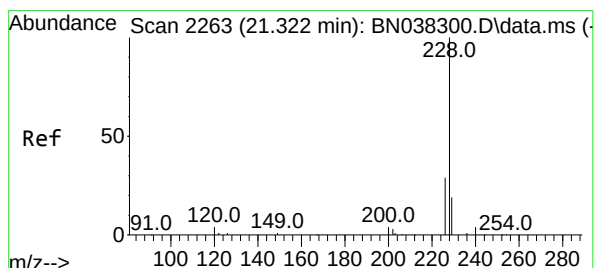
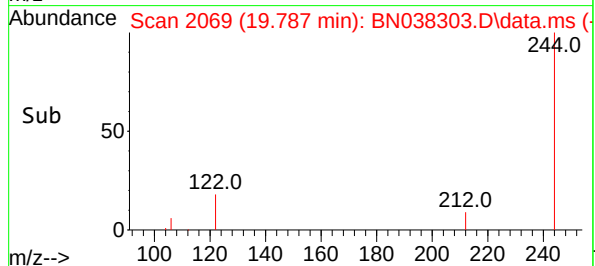
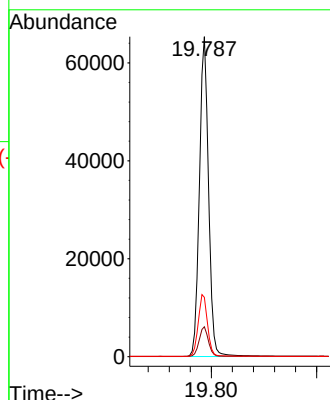
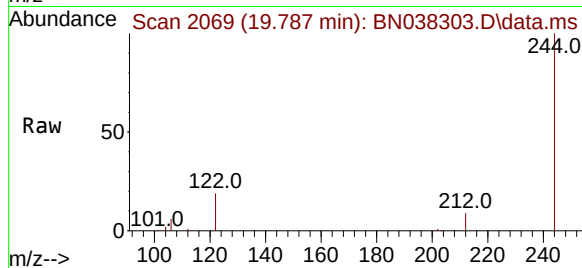




#31
Terphenyl-d14
Concen: 3.202 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

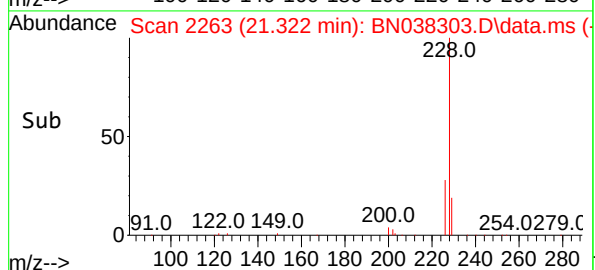
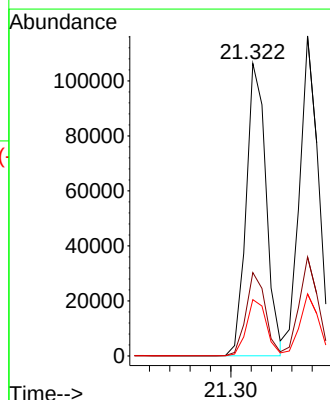
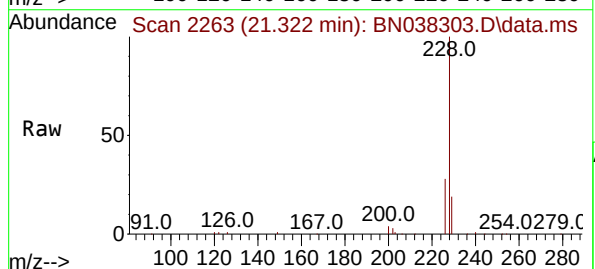
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

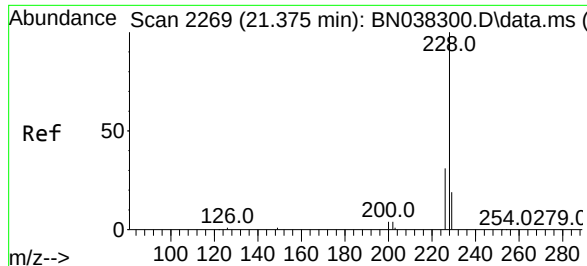
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.9	11.9
122	18.5	15.0	22.6



#32
Benzo(a)anthracene
Concen: 3.391 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.3	34.9
229	19.3	15.7	23.5





#33

Chrysene

Concen: 3.281 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

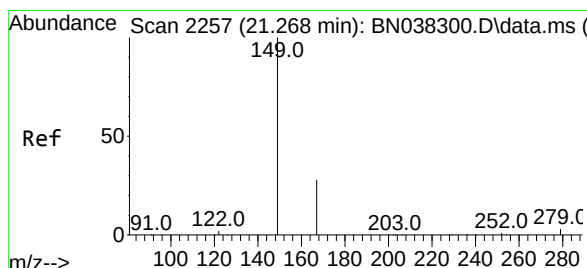
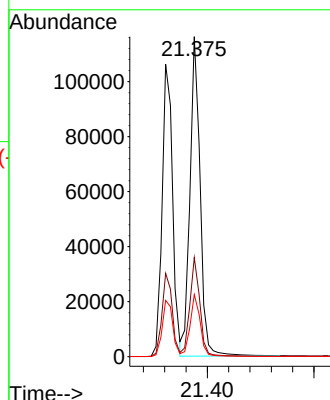
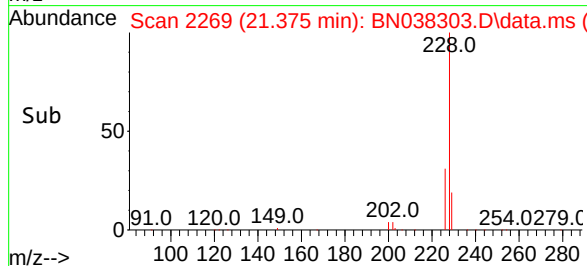
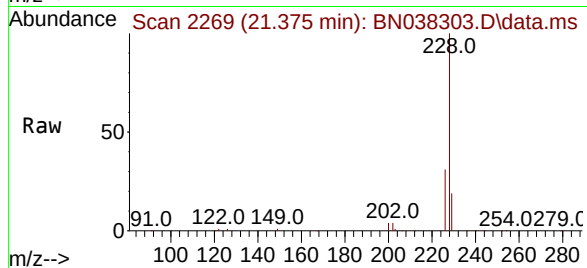
Tgt Ion:228 Resp: 153835

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.4

229 19.4 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 3.126 ng

RT: 21.268 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

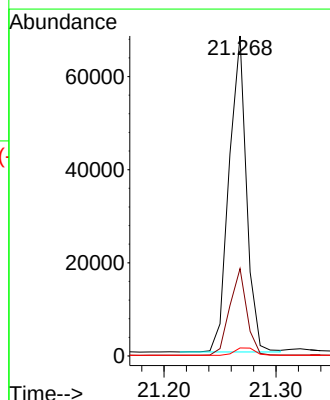
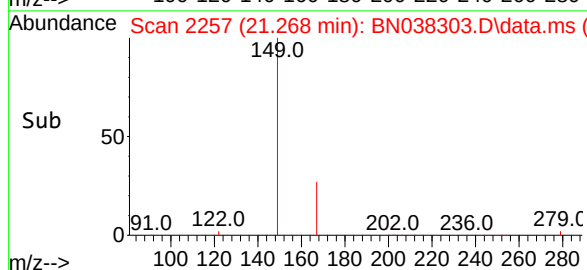
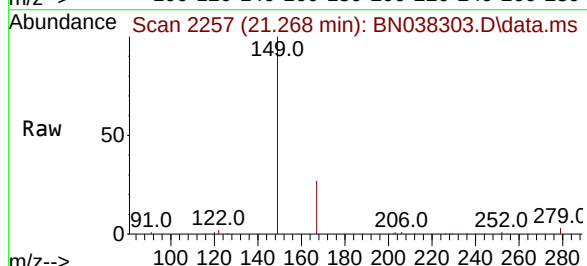
Tgt Ion:149 Resp: 73028

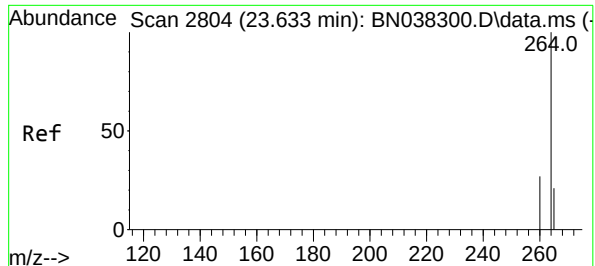
Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

279 2.8 2.4 3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.633 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

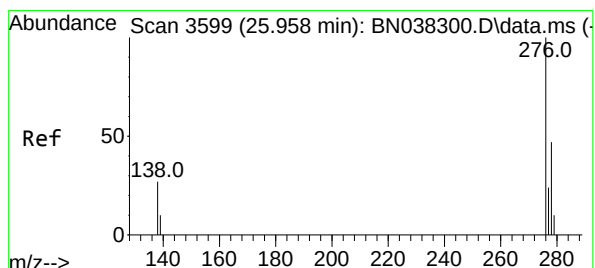
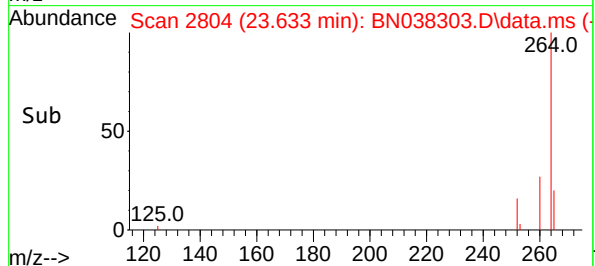
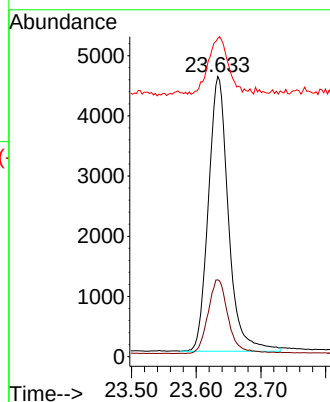
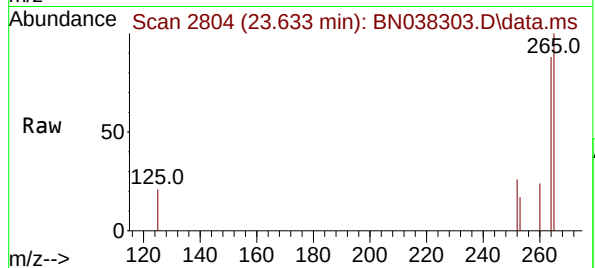
Tgt Ion:264 Resp: 9816

Ion Ratio Lower Upper

264 100

260 27.4 22.2 33.2

265 113.6 80.2 120.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.499 ng

RT: 25.963 min Scan# 3601

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

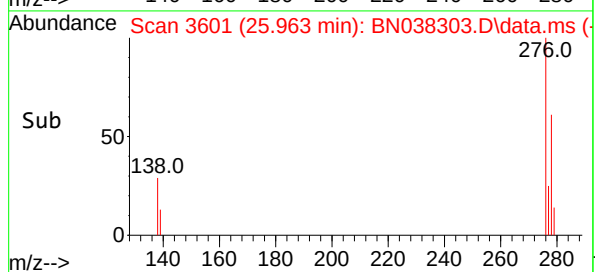
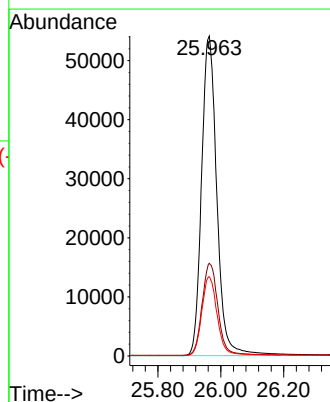
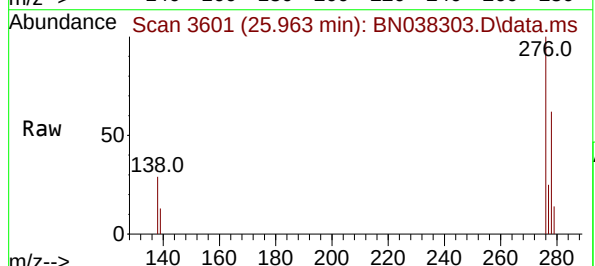
Tgt Ion:276 Resp: 182271

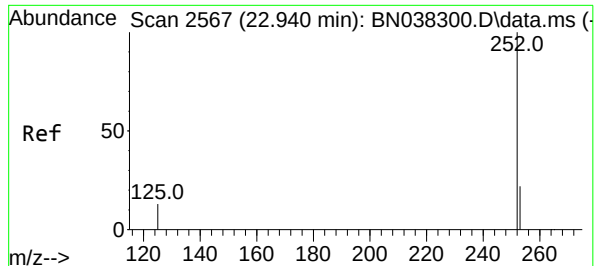
Ion Ratio Lower Upper

276 100

138 29.9 23.6 35.4

277 24.8 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 3.460 ng

RT: 22.940 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

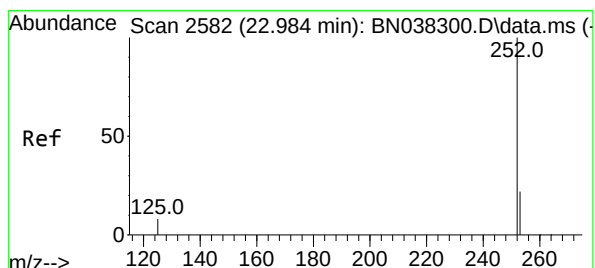
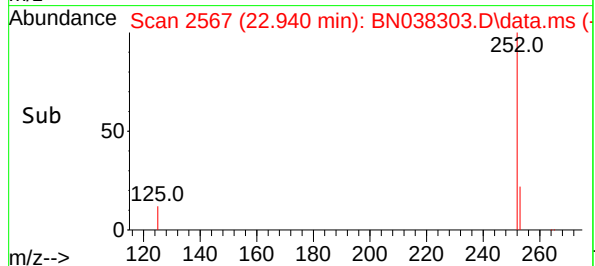
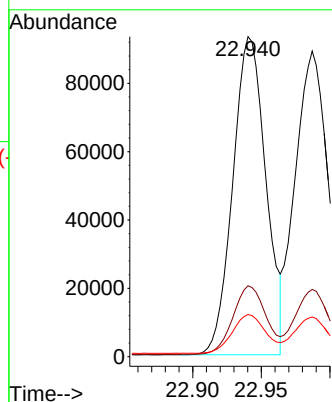
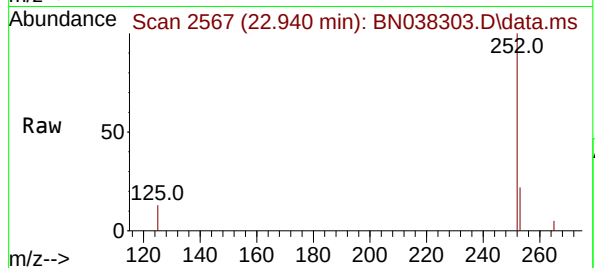
Tgt Ion:252 Resp: 155996

Ion Ratio Lower Upper

252 100

253 22.2 21.1 31.7

125 13.1 16.4 24.6#



#38

Benzo(k)fluoranthene

Concen: 3.505 ng

RT: 22.987 min Scan# 2583

Delta R.T. -0.003 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

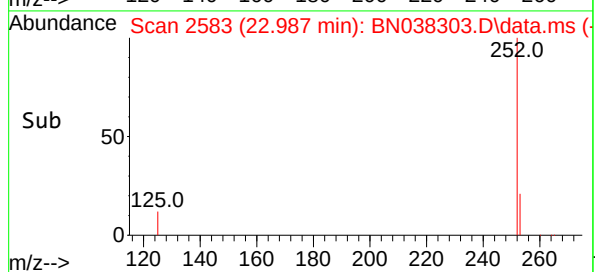
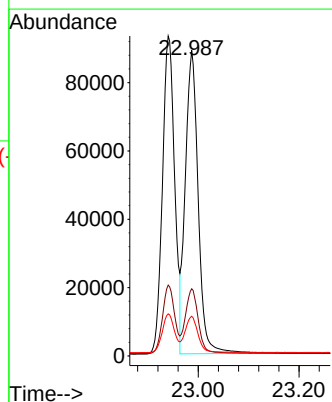
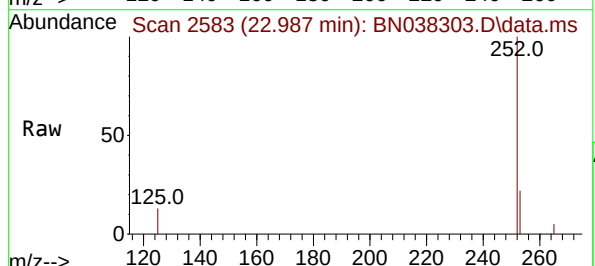
Tgt Ion:252 Resp: 157545

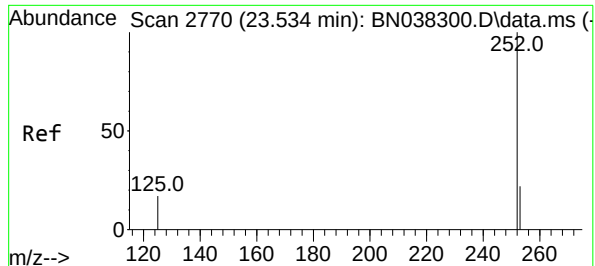
Ion Ratio Lower Upper

252 100

253 22.0 21.4 32.0

125 13.0 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 3.490 ng

RT: 23.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

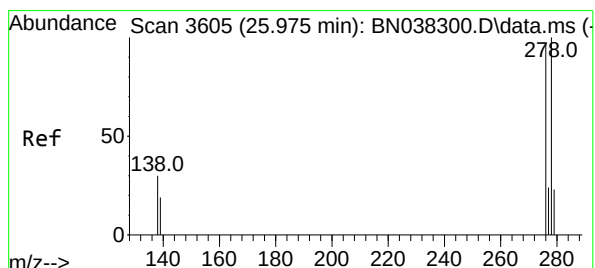
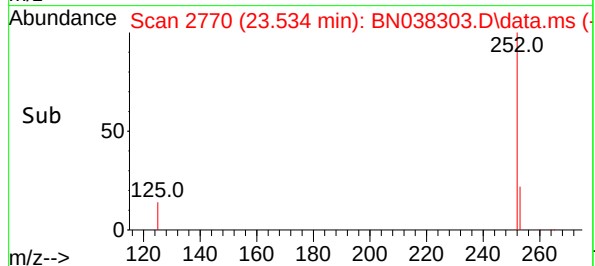
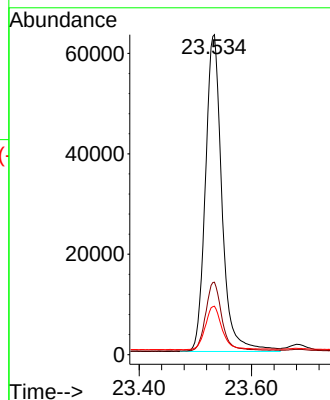
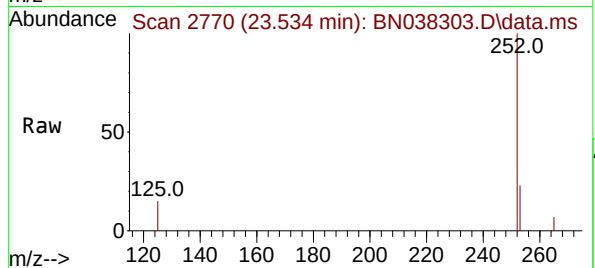
Tgt Ion:252 Resp: 128763

Ion Ratio Lower Upper

252 100

253 22.7 23.3 34.9#

125 15.2 22.4 33.6#



#40

Dibenzo(a,h)anthracene

Concen: 3.565 ng

RT: 25.978 min Scan# 3606

Delta R.T. -0.003 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

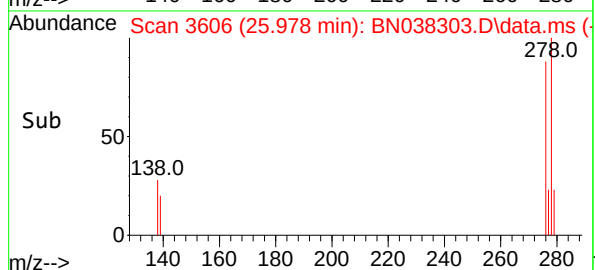
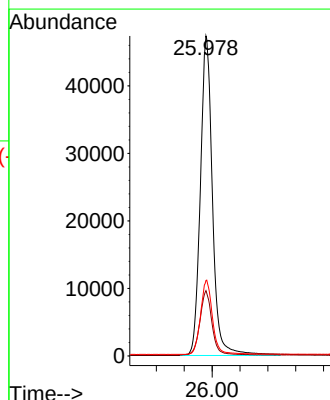
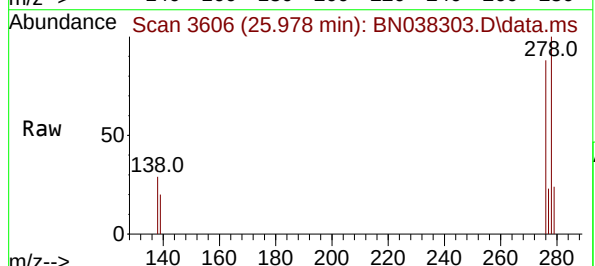
Tgt Ion:278 Resp: 143161

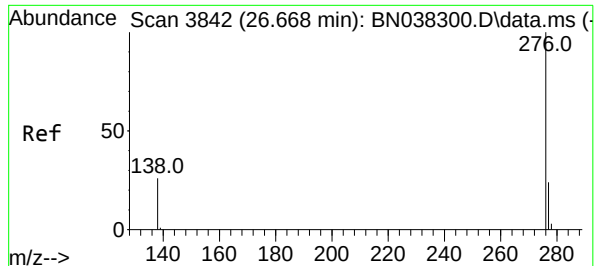
Ion Ratio Lower Upper

278 100

139 20.4 17.8 26.8

279 23.6 21.3 31.9





#41

Benzo(g,h,i)perylene

Concen: 3.439 ng

RT: 26.668 min Scan# 3842

Delta R.T. -0.009 min

Lab File: BN038303.D

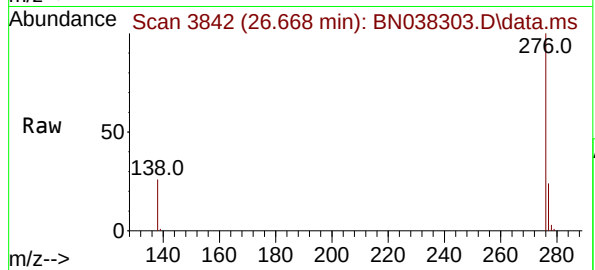
Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



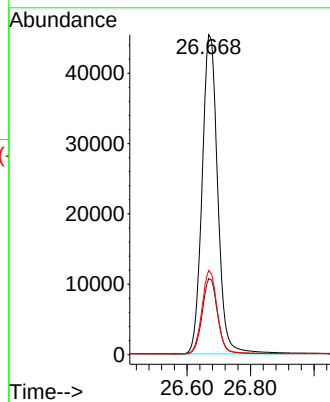
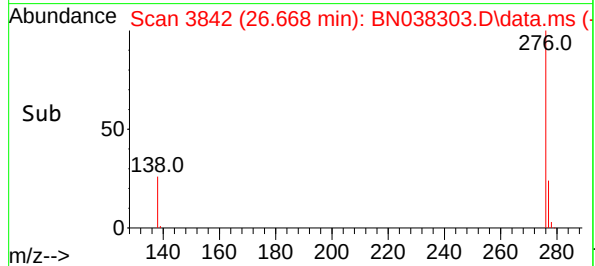
Tgt Ion:276 Resp: 154373

Ion Ratio Lower Upper

276 100

277 23.8 20.0 30.0

138 26.3 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038304.D
 Acq On : 10 Dec 2025 13:30
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Quant Time: Dec 10 14:00:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

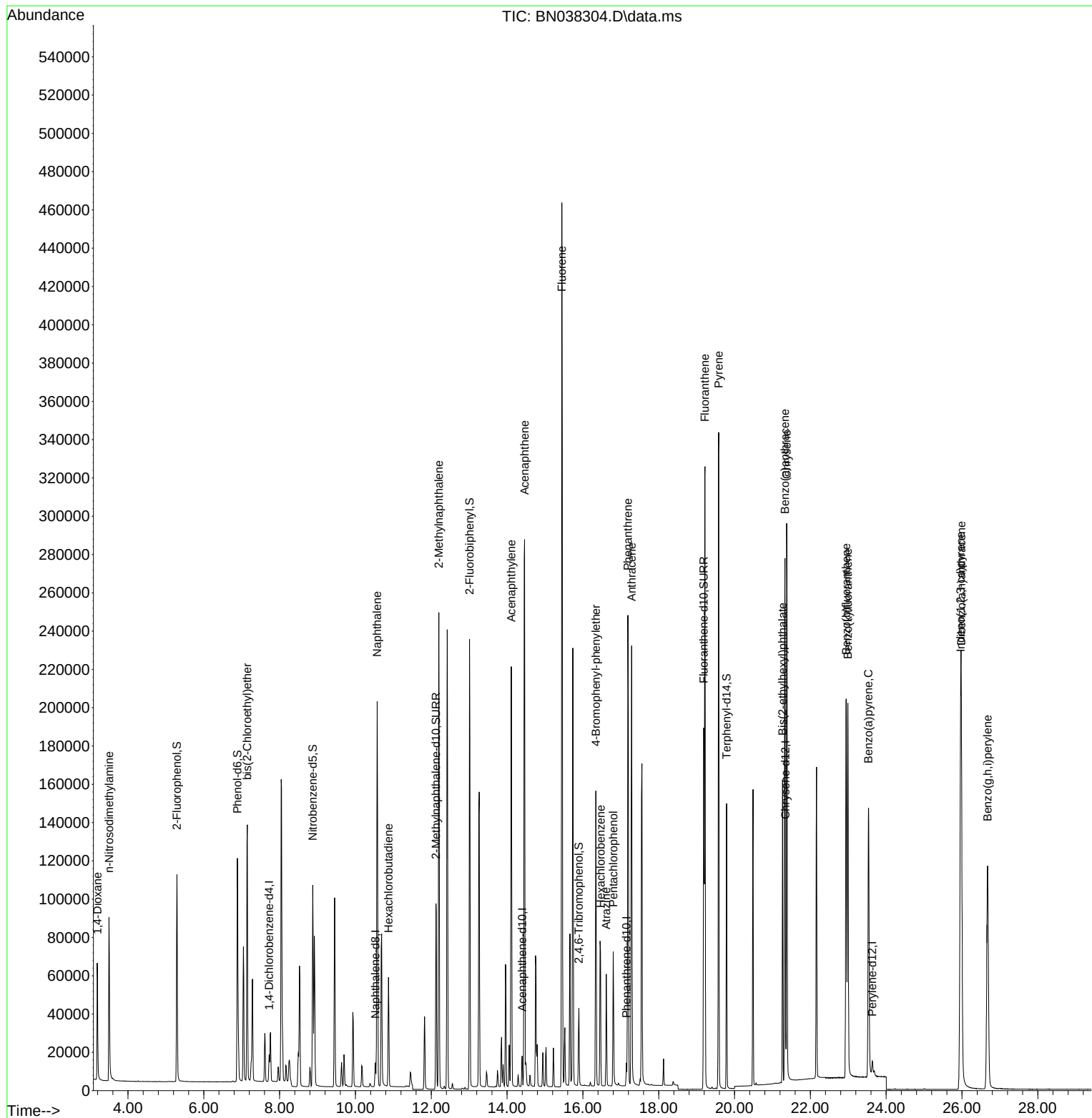
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6683	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	17297	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	8946	0.400	ng	0.00
19) Phenanthrene-d10	17.148	188	14791	0.400	ng	# 0.00
29) Chrysene-d12	21.340	240	11438	0.400	ng	# 0.00
35) Perylene-d12	23.633	264	10064	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	85118	5.114	ng	0.00
5) Phenol-d6	6.887	99	106714	5.393	ng	0.00
8) Nitrobenzene-d5	8.875	82	77560	5.316	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	129558	5.310	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	22914	5.773	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	203375	4.719	ng	0.00
27) Fluoranthene-d10	19.187	212	194683	5.322	ng	0.00
31) Terphenyl-d14	19.791	244	129183	5.061	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.196	88	36727	4.793	ng	98
3) n-Nitrosodimethylamine	3.499	42	47875	4.983	ng	# 97
6) bis(2-Chloroethyl)ether	7.147	93	95792	4.949	ng	98
9) Naphthalene	10.573	128	260570	5.096	ng	99
10) Hexachlorobutadiene	10.872	225	44570	4.904	ng	# 100
12) 2-Methylnaphthalene	12.202	142	170617	5.257	ng	99
16) Acenaphthylene	14.110	152	233854	5.323	ng	99
17) Acenaphthene	14.462	154	159912	5.225	ng	96
18) Fluorene	15.446	166	201458	5.116	ng	98
21) 4-Bromophenyl-phenylether	16.342	248	58800	5.358	ng	# 88
22) Hexachlorobenzene	16.466	284	66067	5.008	ng	100
23) Atrazine	16.615	200	42381	5.662	ng	94
24) Pentachlorophenol	16.801	266	32164	6.248	ng	99
25) Phenanthrene	17.186	178	269284	5.231	ng	100
26) Anthracene	17.285	178	245335	5.527	ng	100
28) Fluoranthene	19.220	202	289557	5.292	ng	99
30) Pyrene	19.582	202	291237	5.172	ng	100
32) Benzo(a)anthracene	21.331	228	239112	5.412	ng	98
33) Chrysene	21.375	228	242638	4.987	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	125703	5.186	ng	100
36) Indeno(1,2,3-cd)pyrene	25.963	276	293099	5.489	ng	100
37) Benzo(b)fluoranthene	22.946	252	249557	5.399	ng	# 88
38) Benzo(k)fluoranthene	22.990	252	250888	5.444	ng	# 87
39) Benzo(a)pyrene	23.534	252	209188	5.530	ng	# 81
40) Dibenzo(a,h)anthracene	25.981	278	229223	5.567	ng	95
41) Benzo(g,h,i)perylene	26.677	276	247112	5.369	ng	97

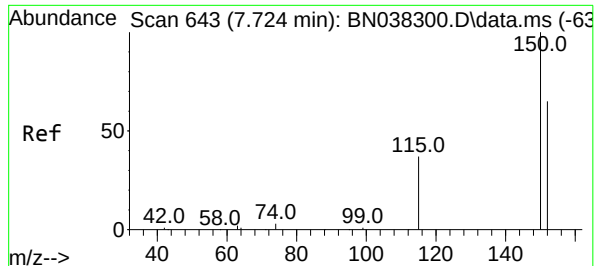
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN038304.D
Acq On : 10 Dec 2025 13:30
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Dec 10 14:00:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
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QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

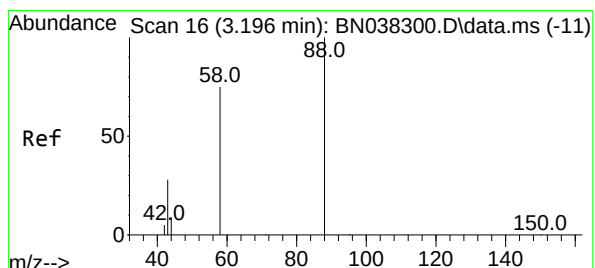
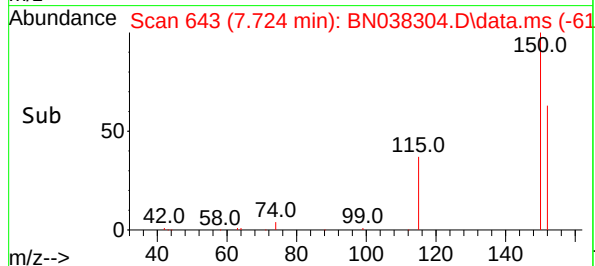
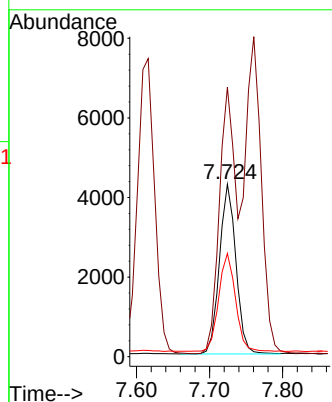
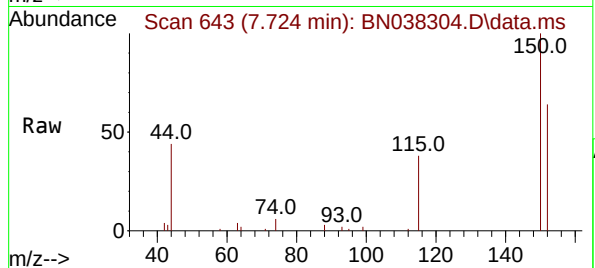




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

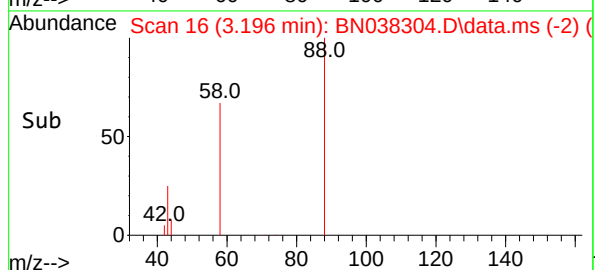
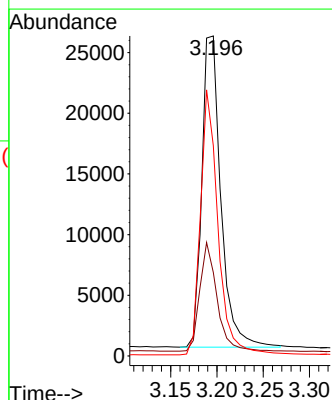
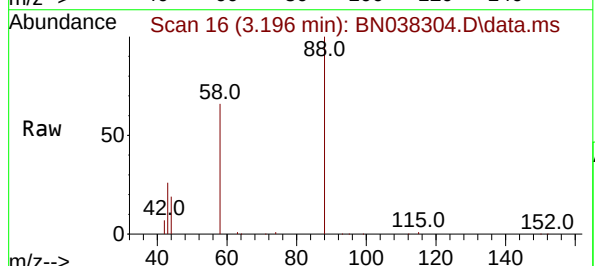
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

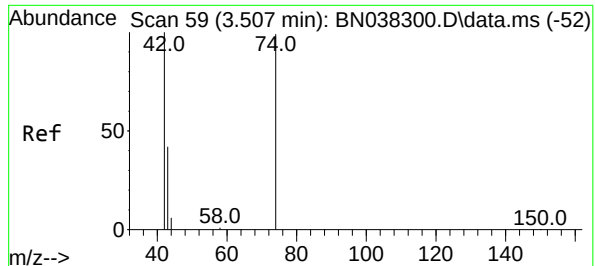
Tgt Ion:152 Resp: 6683
Ion Ratio Lower Upper
152 100
150 156.2 122.4 183.6
115 59.8 47.3 70.9



#2
1,4-Dioxane
Concen: 4.793 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion: 88 Resp: 36727
Ion Ratio Lower Upper
88 100
43 31.7 24.9 37.3
58 78.3 61.4 92.0

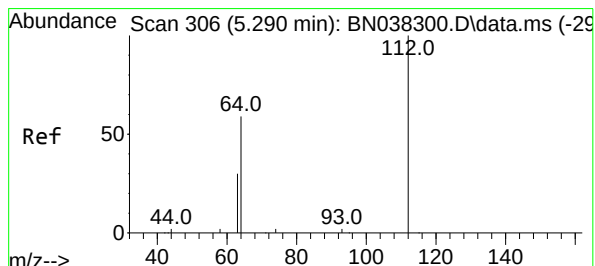
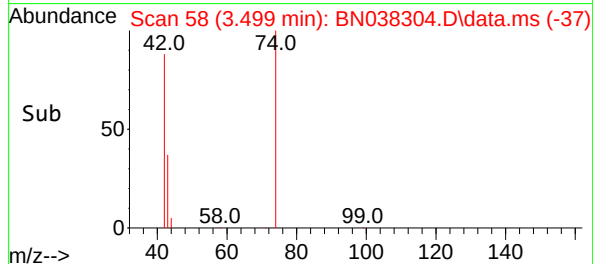
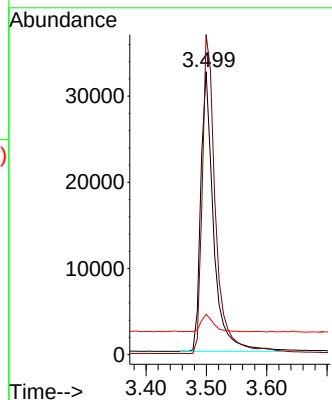
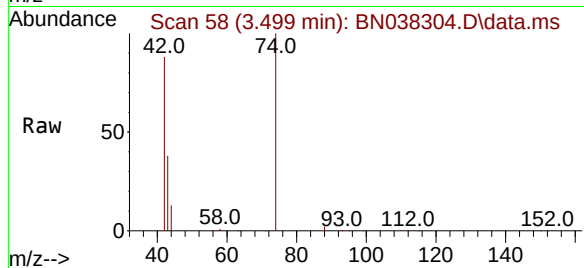




#3
n-Nitrosodimethylamine
Concen: 4.983 ng
RT: 3.499 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

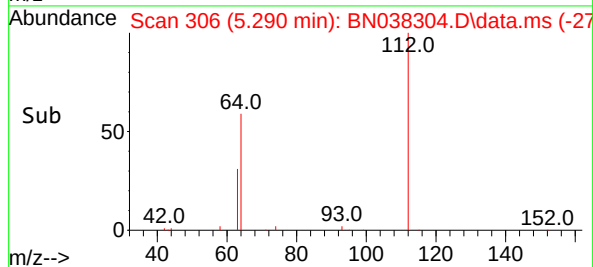
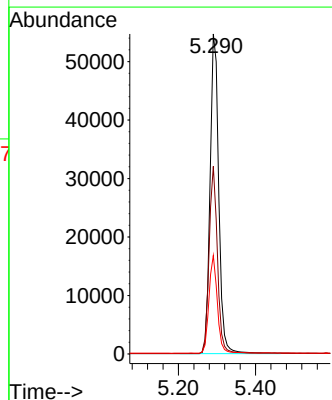
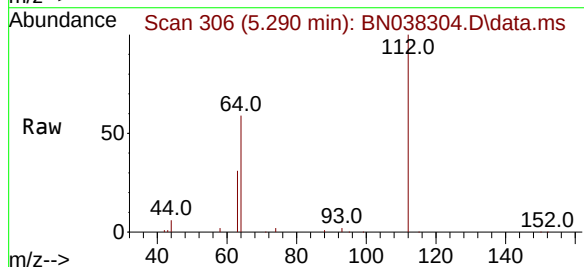
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ClientSampleId :
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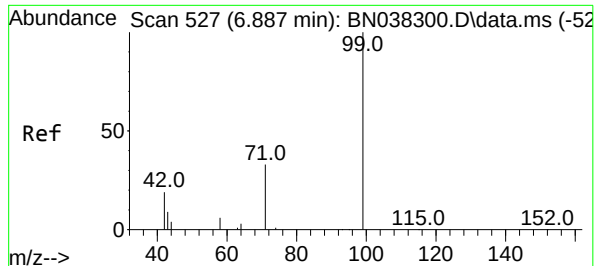
Tgt Ion: 42 Resp: 47875
Ion Ratio Lower Upper
42 100
74 116.7 95.3 142.9
44 5.9 7.9 11.9#



#4
2-Fluorophenol
Concen: 5.114 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion: 112 Resp: 85118
Ion Ratio Lower Upper
112 100
64 56.5 44.4 66.6
63 29.5 23.4 35.0

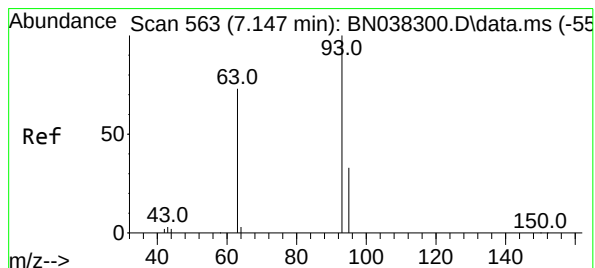
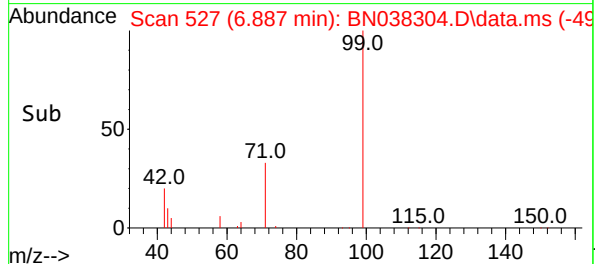
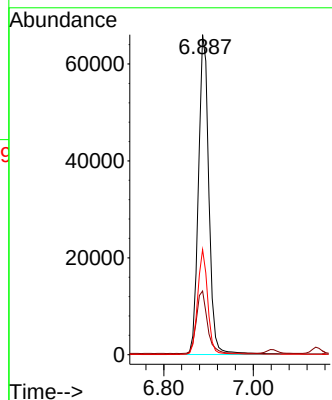
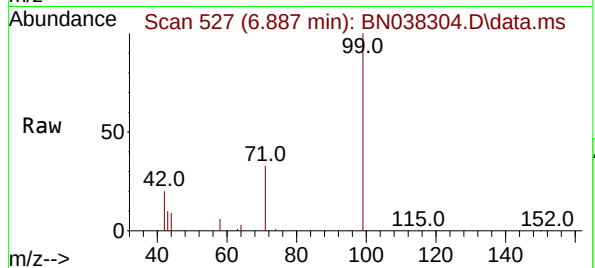




#5
Phenol-d6
Concen: 5.393 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

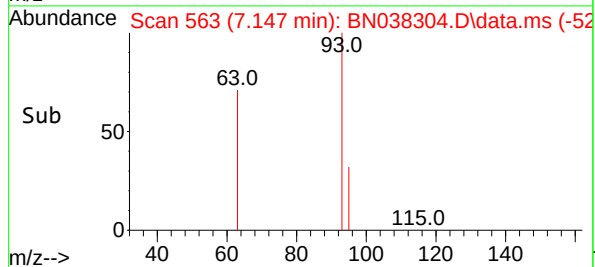
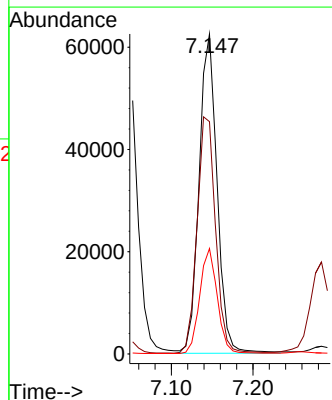
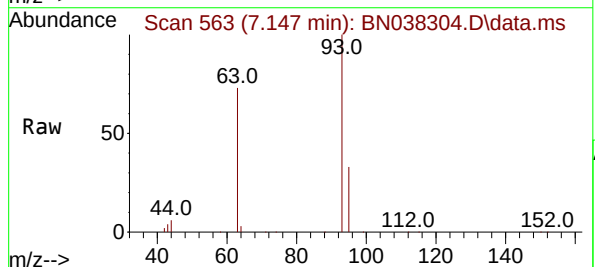
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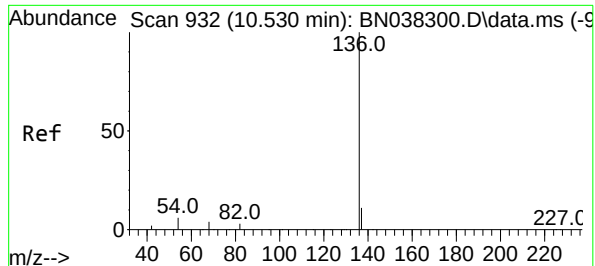
Tgt Ion: 99 Resp: 106714
Ion Ratio Lower Upper
99 100
42 20.8 16.5 24.7
71 31.8 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 4.949 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion: 93 Resp: 95792
Ion Ratio Lower Upper
93 100
63 76.0 59.2 88.8
95 32.3 25.2 37.8

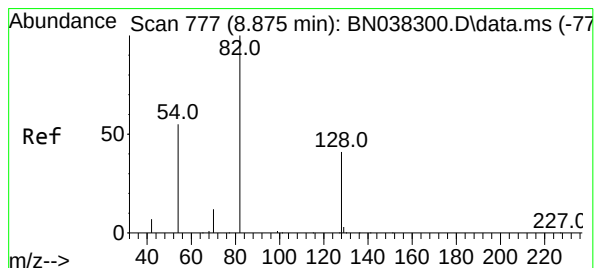
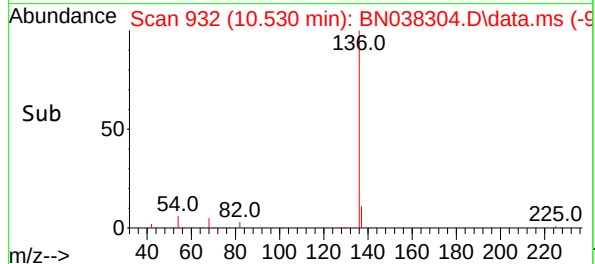
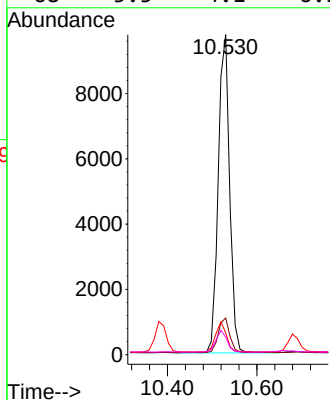
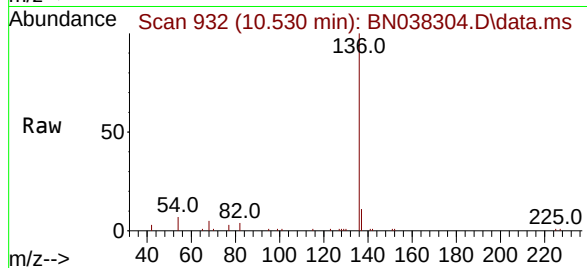




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

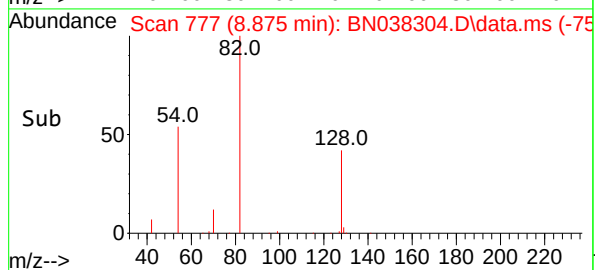
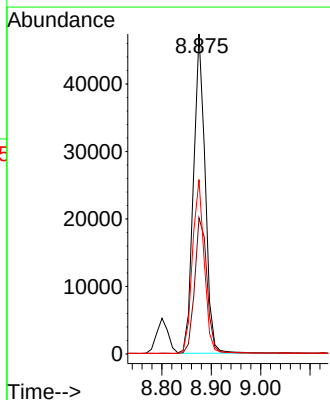
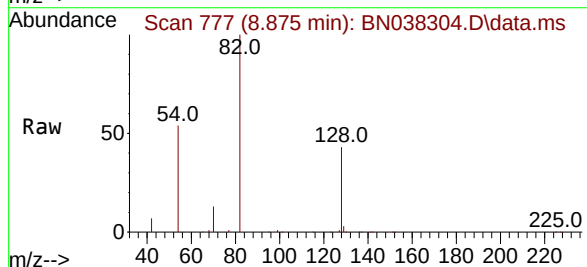
Instrument :
BNA_N
ClientSampleId :
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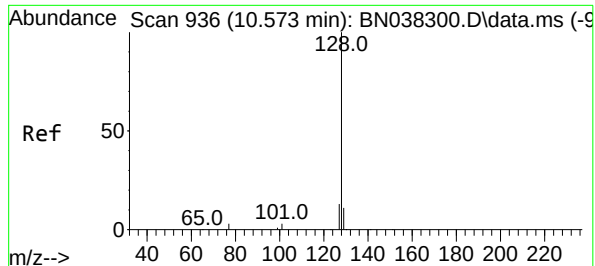
Tgt Ion:136 Resp: 17297
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 6.8 5.2 7.8
68 5.5 4.1 6.1



#8
Nitrobenzene-d5
Concen: 5.316 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion: 82 Resp: 77560
Ion Ratio Lower Upper
82 100
128 42.6 34.0 51.0
54 54.5 44.4 66.6

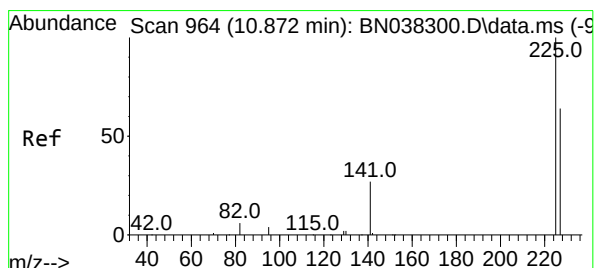
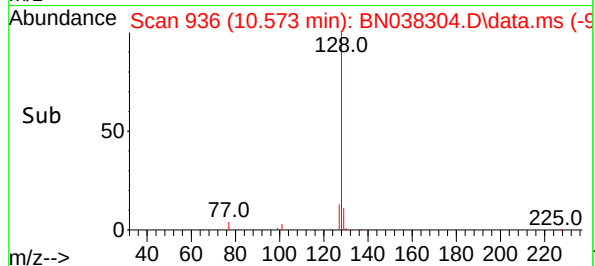
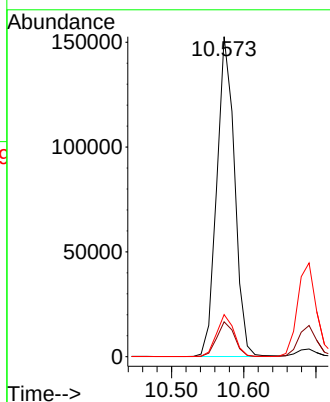
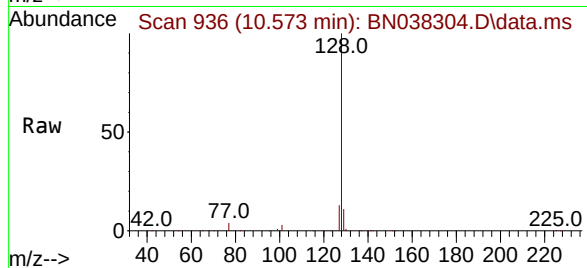




#9
Naphthalene
Concen: 5.096 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

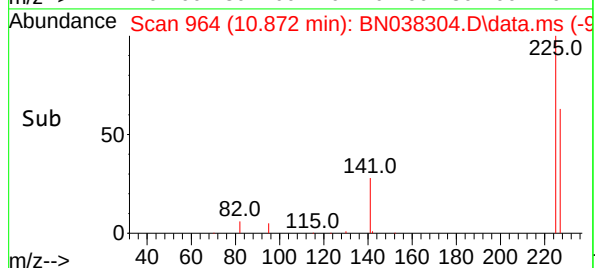
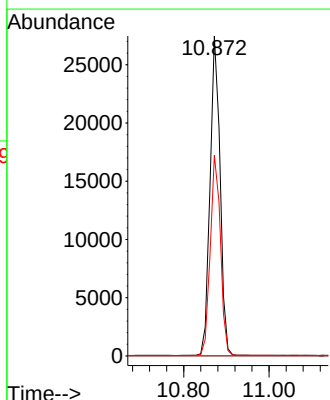
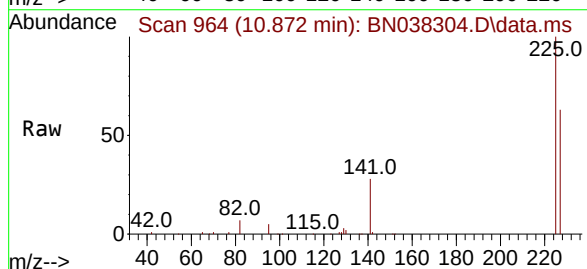
Instrument :
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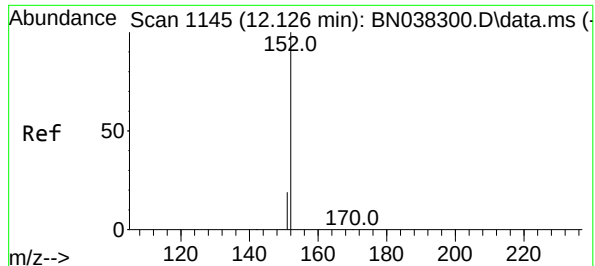
Tgt Ion:128 Resp: 260570
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.2 10.9 16.3



#10
Hexachlorobutadiene
Concen: 4.904 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:225 Resp: 44570
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.7 51.2 76.8

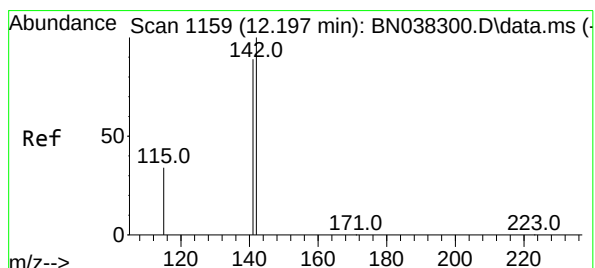
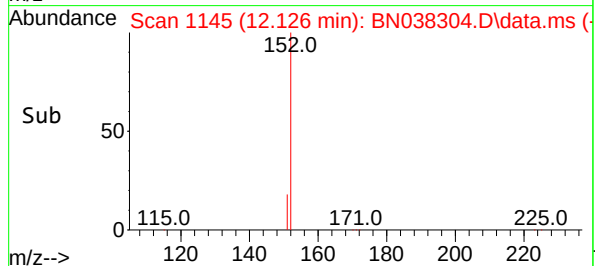
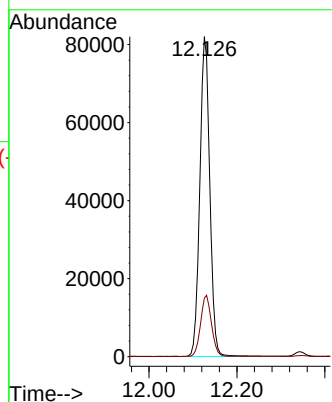
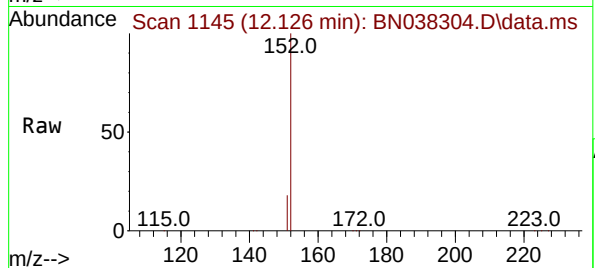




#11
2-Methylnaphthalene-d10
Concen: 5.310 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

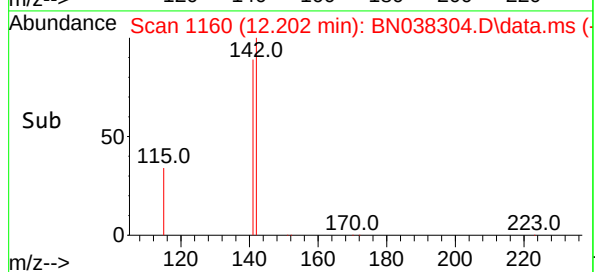
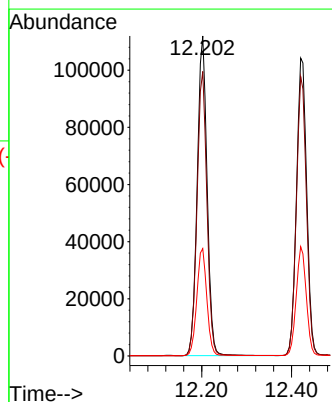
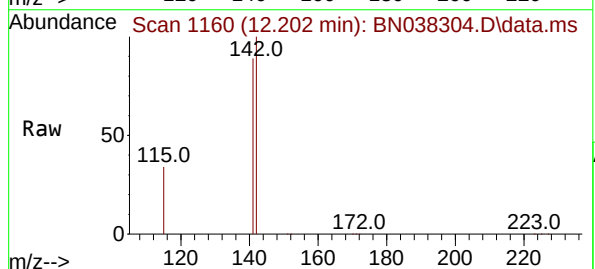
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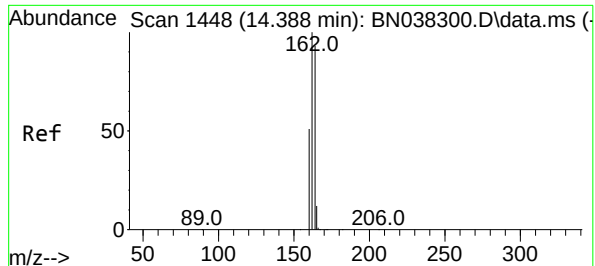
Tgt Ion:152 Resp: 129558
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6



#12
2-Methylnaphthalene
Concen: 5.257 ng
RT: 12.202 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:142 Resp: 170617
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.2
115 33.6 28.4 42.6

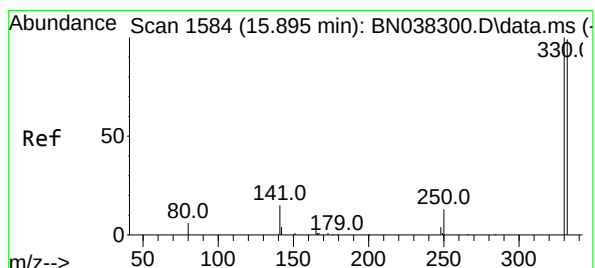
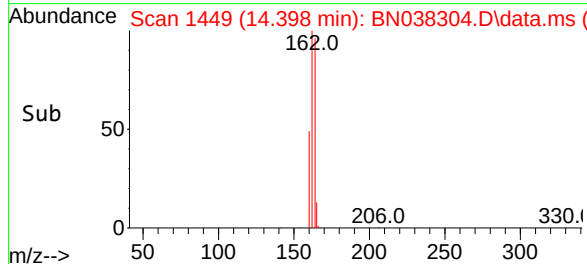
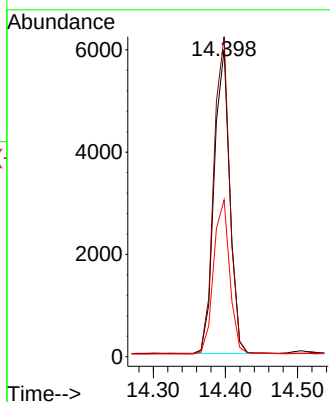
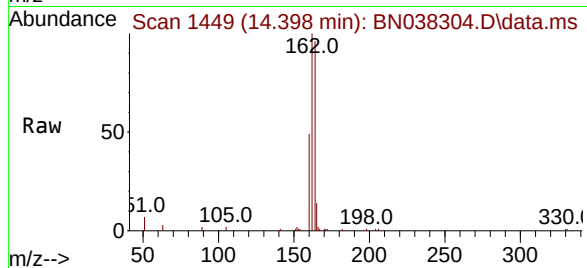




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

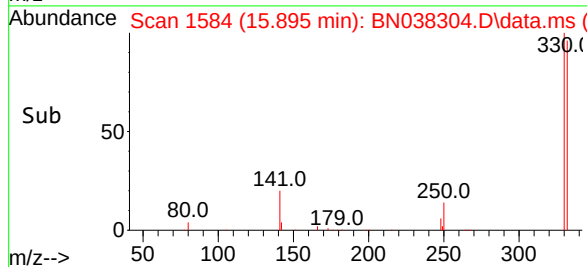
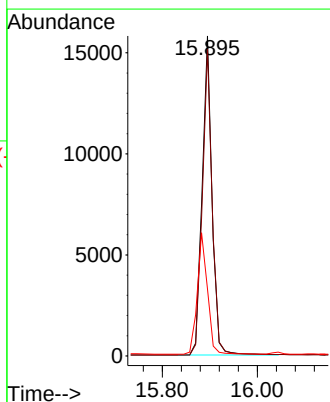
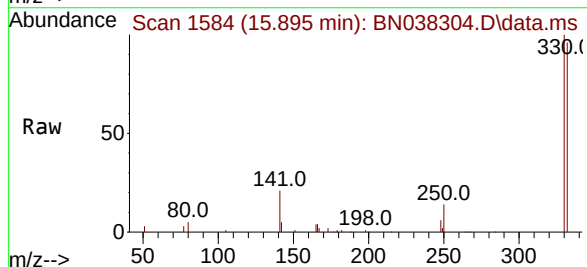
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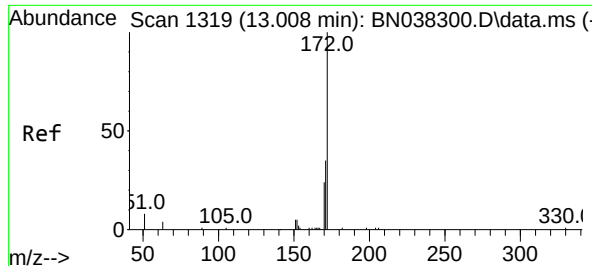
Tgt Ion:164 Resp: 8946
Ion Ratio Lower Upper
164 100
162 104.2 86.2 129.4
160 51.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 5.773 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:330 Resp: 22914
Ion Ratio Lower Upper
330 100
332 96.0 75.8 113.6
141 38.8 31.8 47.8

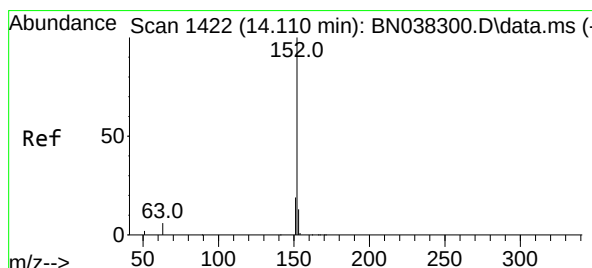
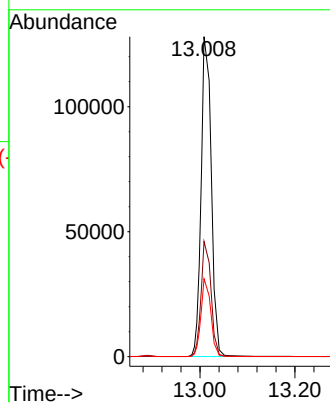
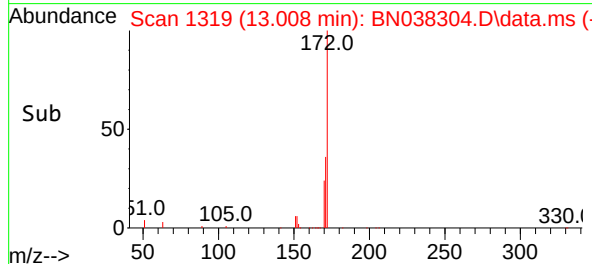
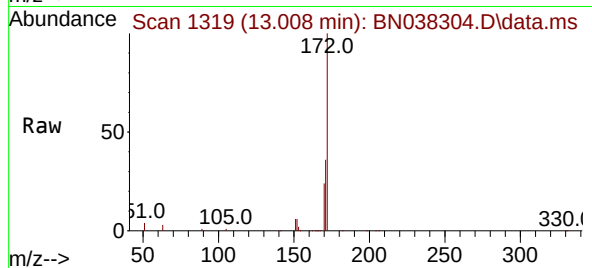




#15
2-Fluorobiphenyl
Concen: 4.719 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

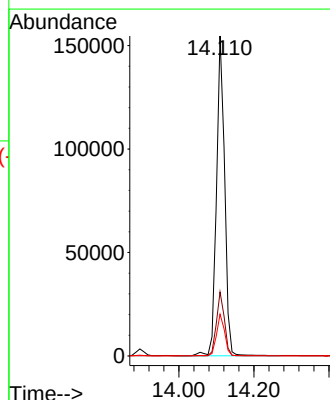
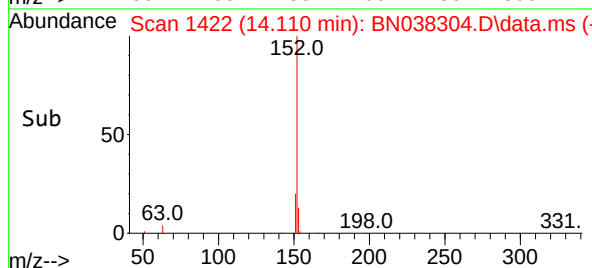
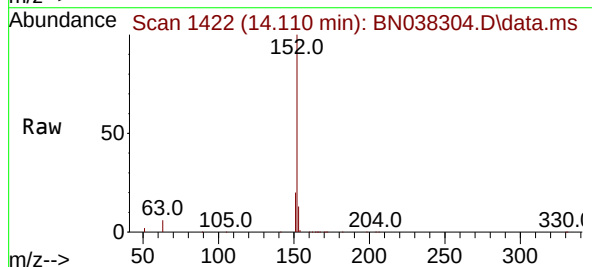
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

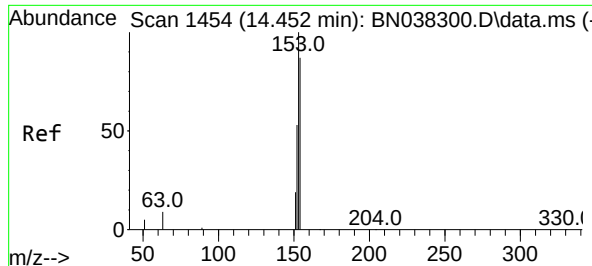
Tgt Ion:172 Resp: 203375
Ion Ratio Lower Upper
172 100
171 36.0 28.6 42.8
170 24.3 19.3 28.9



#16
Acenaphthylene
Concen: 5.323 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:152 Resp: 233854
Ion Ratio Lower Upper
152 100
151 19.6 15.4 23.2
153 13.0 10.2 15.4

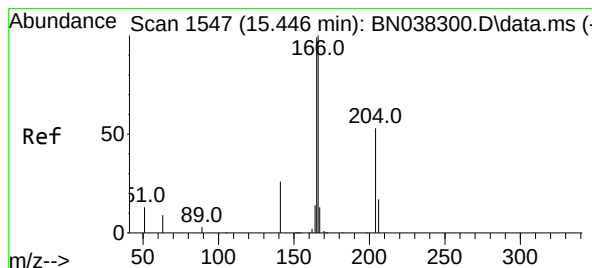
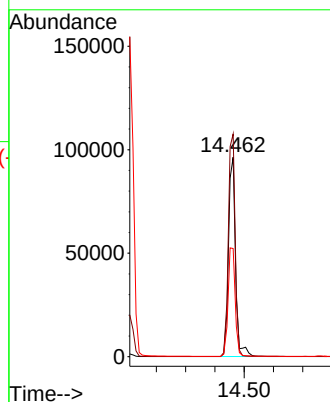
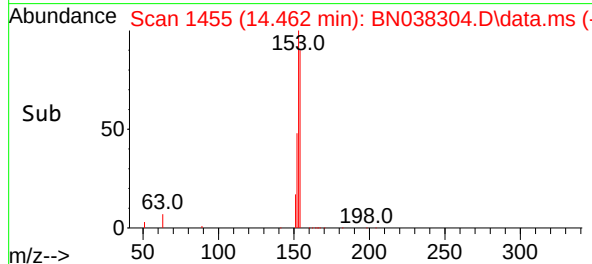
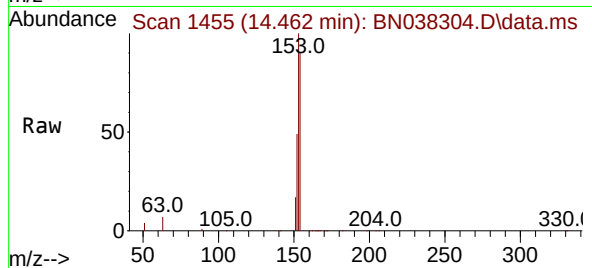




#17
Acenaphthene
Concen: 5.225 ng
RT: 14.462 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

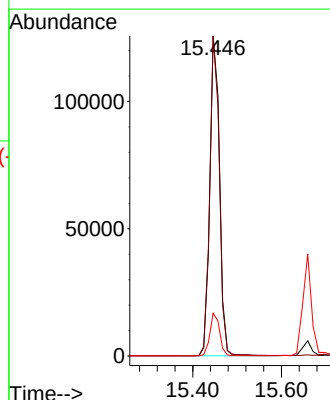
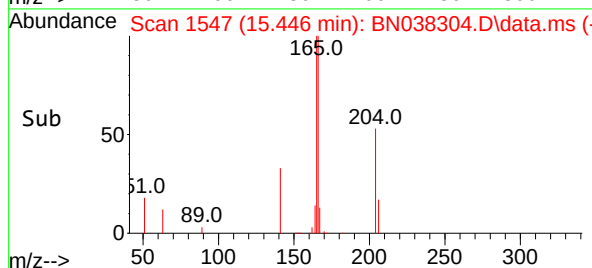
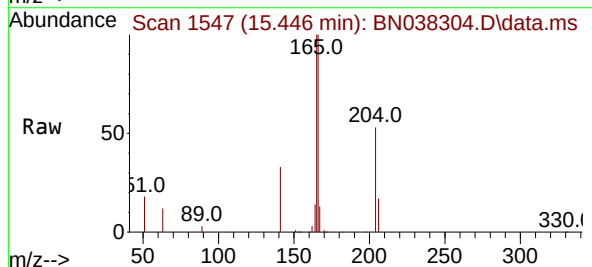
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

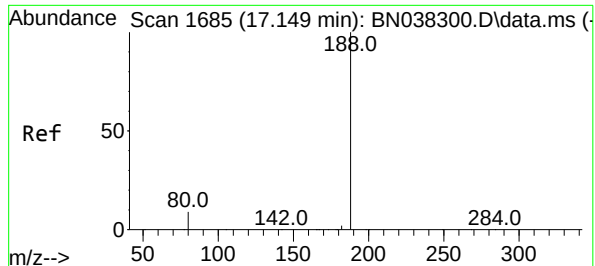
Tgt Ion:154 Resp: 159912
Ion Ratio Lower Upper
154 100
153 108.9 89.8 134.8
152 55.4 47.5 71.3



#18
Fluorene
Concen: 5.116 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:166 Resp: 201458
Ion Ratio Lower Upper
166 100
165 98.0 80.2 120.4
167 13.2 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1685

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

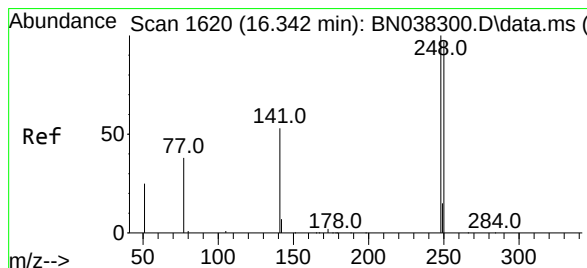
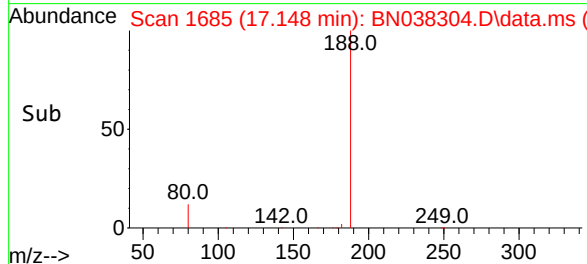
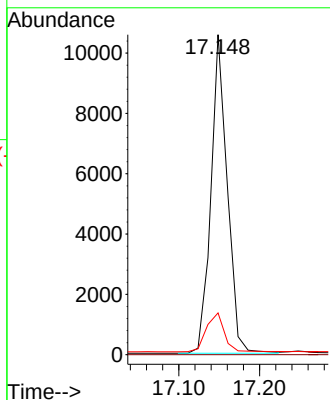
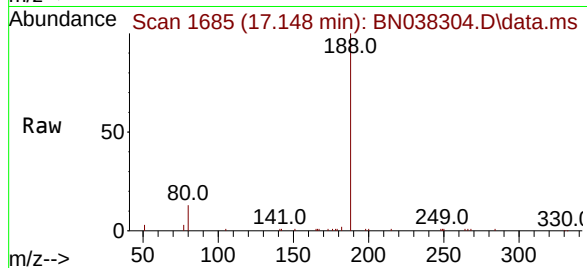
Tgt Ion:188 Resp: 14791

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.1 7.4 11.0#



#21

4-Bromophenyl-phenylether

Concen: 5.358 ng

RT: 16.342 min Scan# 1620

Delta R.T. -0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

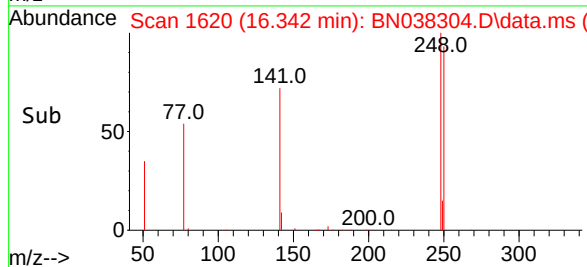
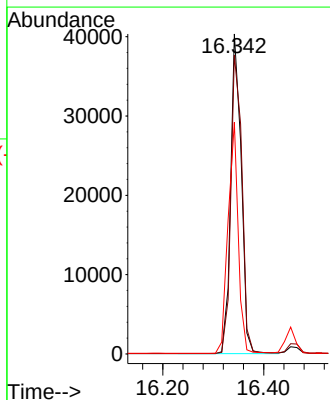
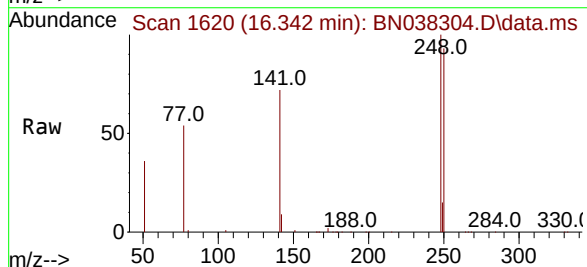
Tgt Ion:248 Resp: 58800

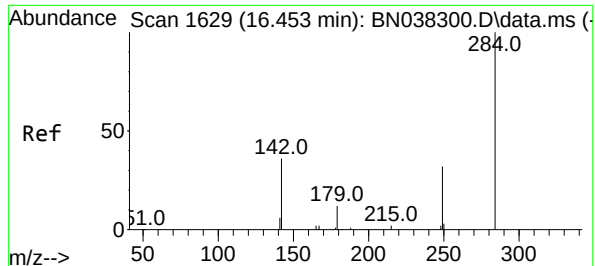
Ion Ratio Lower Upper

248 100

250 93.4 78.2 117.2

141 72.4 43.7 65.5#

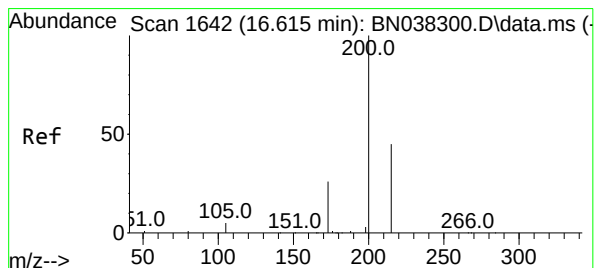
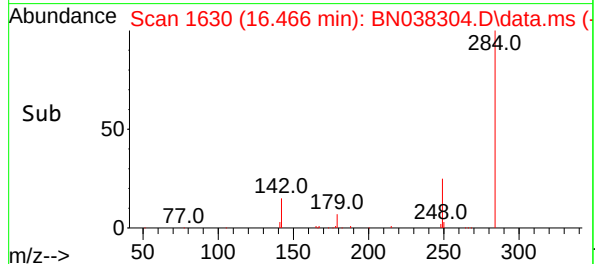
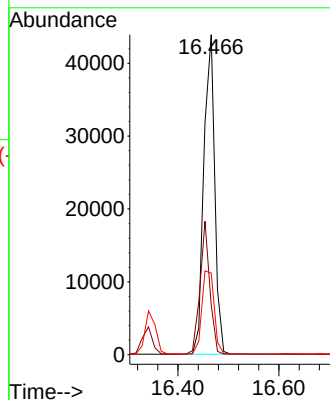
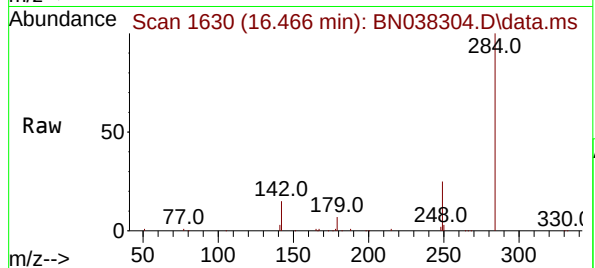




#22
Hexachlorobenzene
Concen: 5.008 ng
RT: 16.466 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

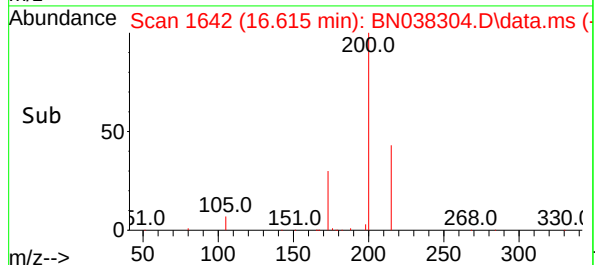
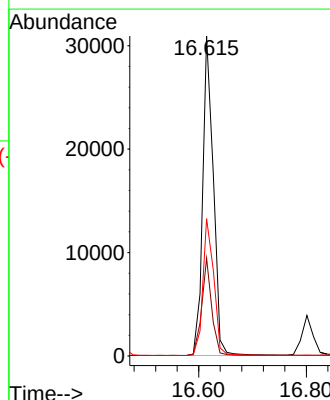
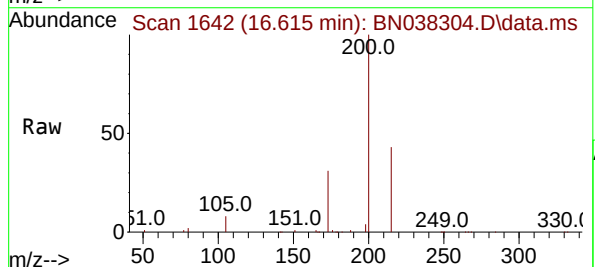
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

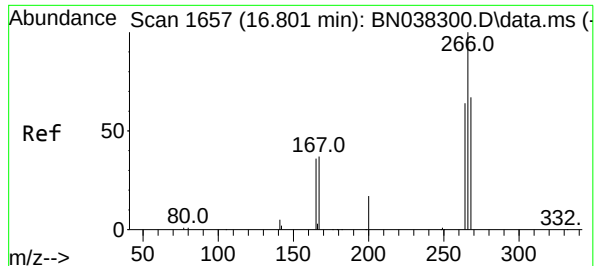
Tgt Ion:284 Resp: 66067
Ion Ratio Lower Upper
284 100
142 37.3 29.5 44.3
249 29.4 23.7 35.5



#23
Atrazine
Concen: 5.662 ng
RT: 16.615 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:200 Resp: 42381
Ion Ratio Lower Upper
200 100
173 30.6 22.1 33.1
215 42.9 37.4 56.2





#24

Pentachlorophenol

Concen: 6.248 ng

RT: 16.801 min Scan# 1657

Delta R.T. 0.000 min

Lab File: BN038304.D

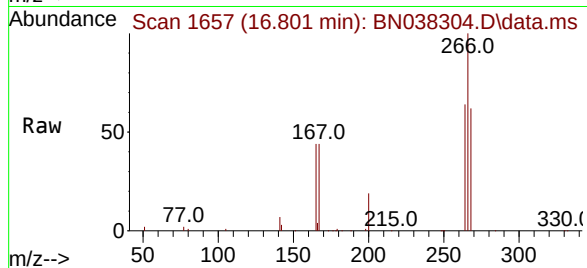
Acq: 10 Dec 2025 13:30

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0



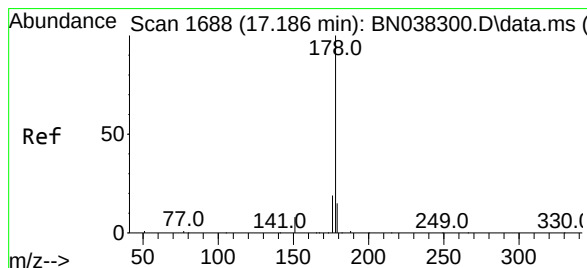
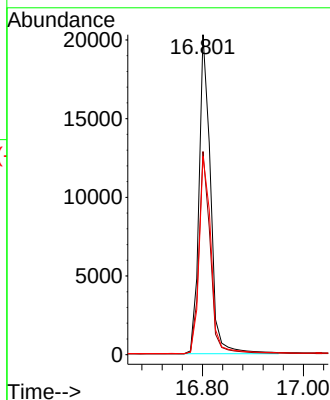
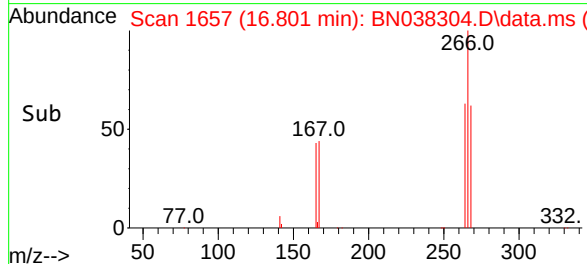
Tgt Ion:266 Resp: 32164

Ion Ratio Lower Upper

266 100

264 62.8 50.2 75.2

268 64.3 52.6 78.8



#25

Phenanthrene

Concen: 5.231 ng

RT: 17.186 min Scan# 1688

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

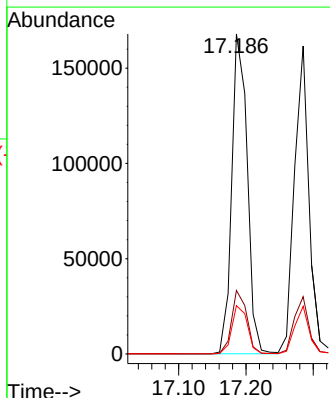
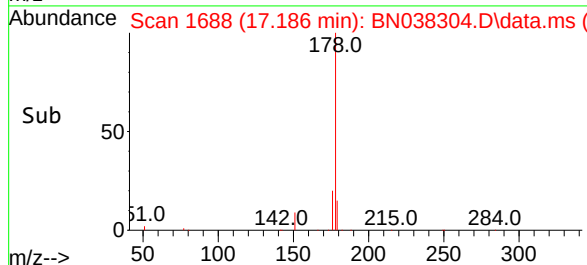
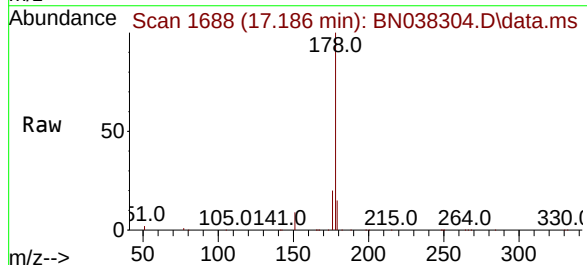
Tgt Ion:178 Resp: 269284

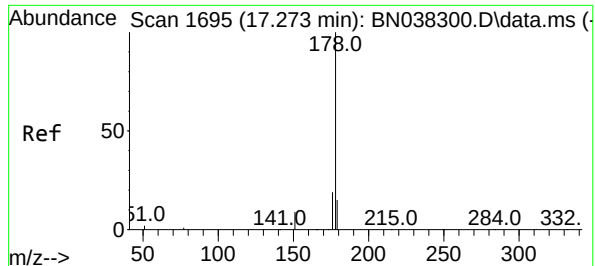
Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.2 12.2 18.2

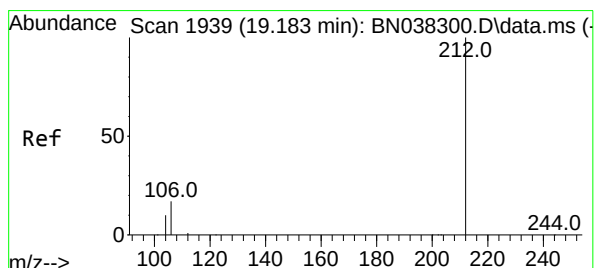
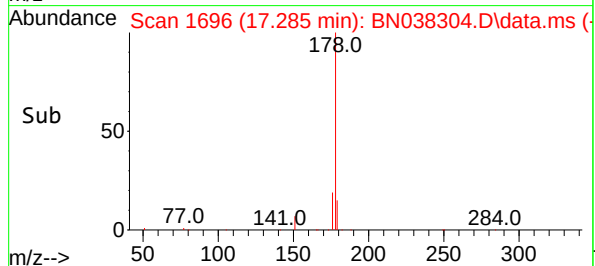
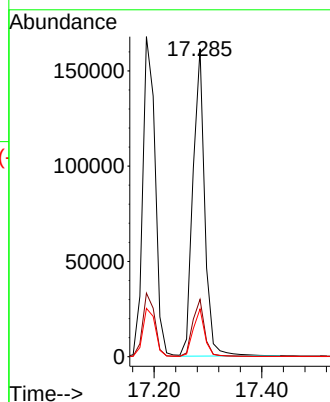
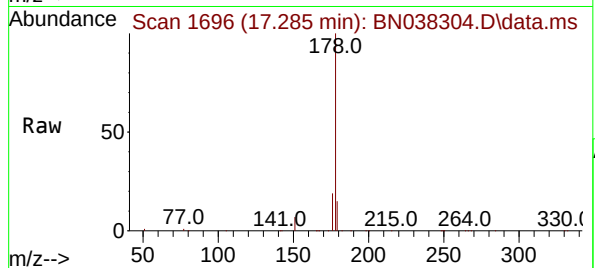




#26
Anthracene
Concen: 5.527 ng
RT: 17.285 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

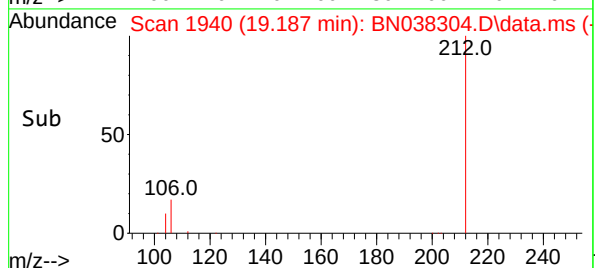
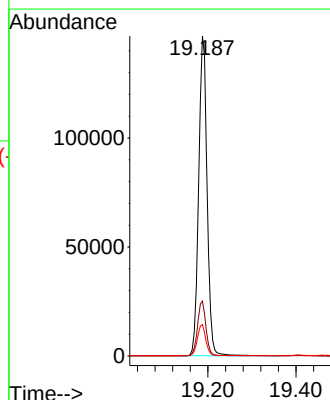
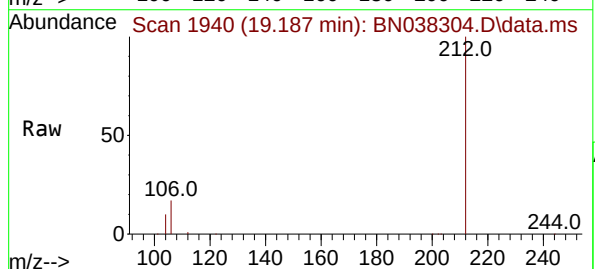
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

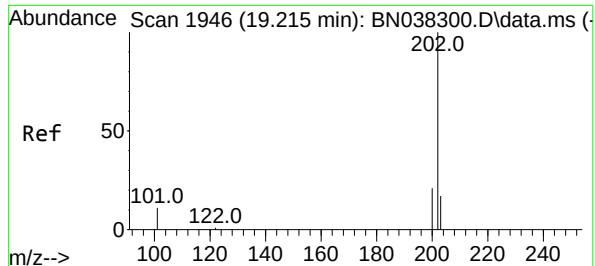
Tgt Ion:178 Resp: 245335
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.3 12.0 18.0



#27
Fluoranthene-d10
Concen: 5.322 ng
RT: 19.187 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:212 Resp: 194683
Ion Ratio Lower Upper
212 100
106 17.1 13.7 20.5
104 9.7 7.8 11.8

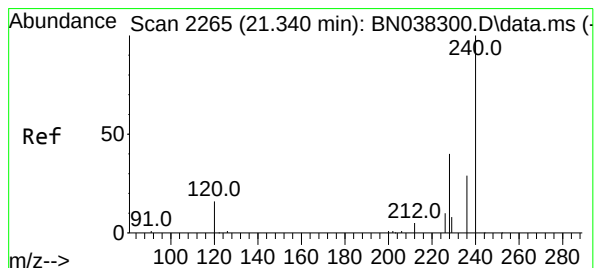
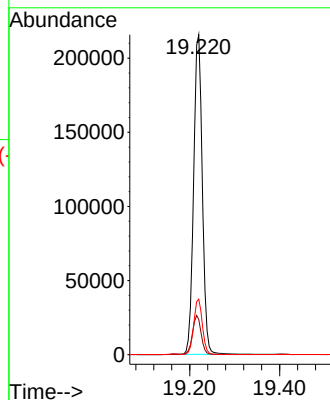
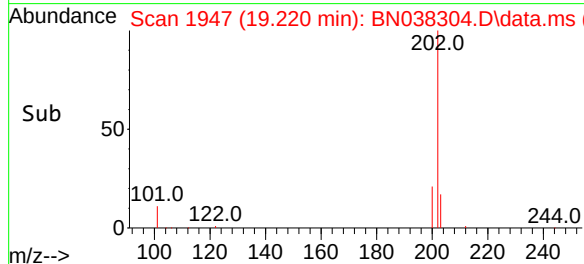
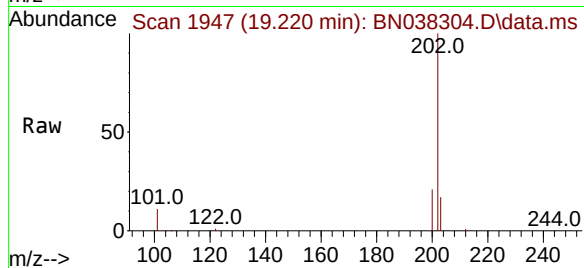




#28
Fluoranthene
Concen: 5.292 ng
RT: 19.220 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

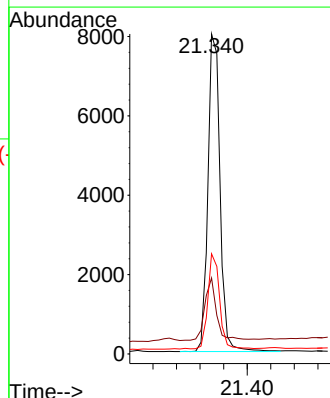
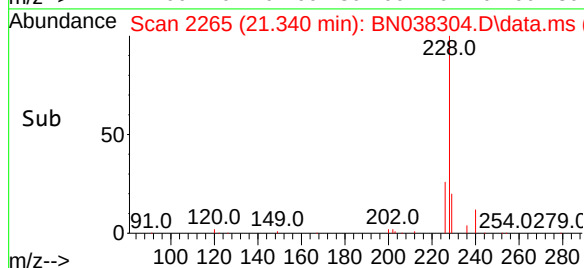
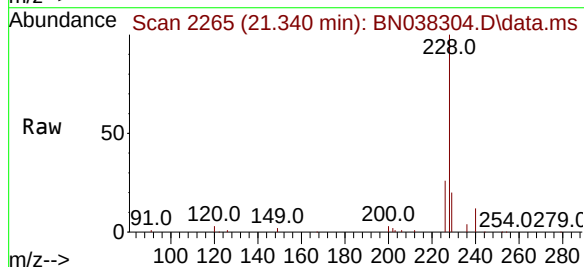
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

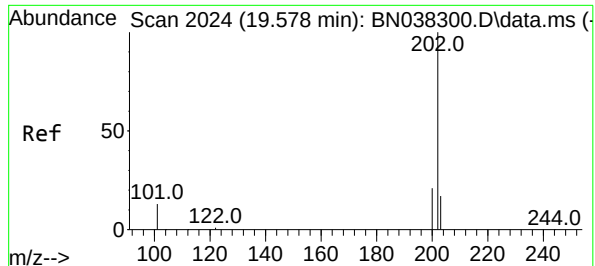
Tgt Ion:202 Resp: 289557
Ion Ratio Lower Upper
202 100
101 12.3 9.6 14.4
203 17.2 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:240 Resp: 11438
Ion Ratio Lower Upper
240 100
120 23.8 15.4 23.2#
236 31.3 23.9 35.9

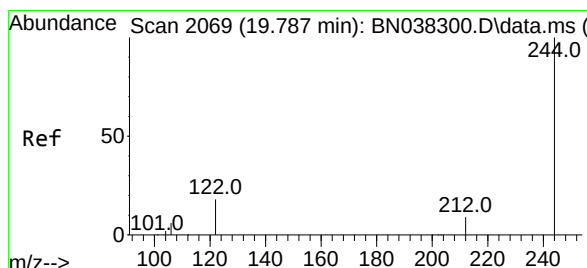
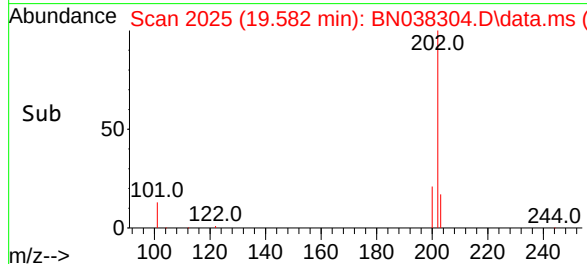
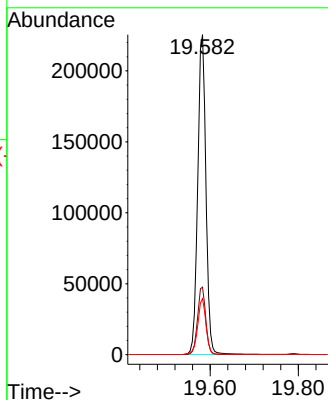
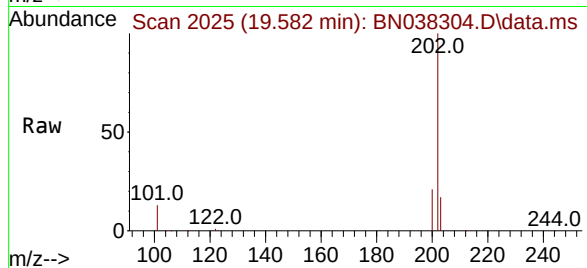




#30
Pyrene
Concen: 5.172 ng
RT: 19.582 min Scan# 2070
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

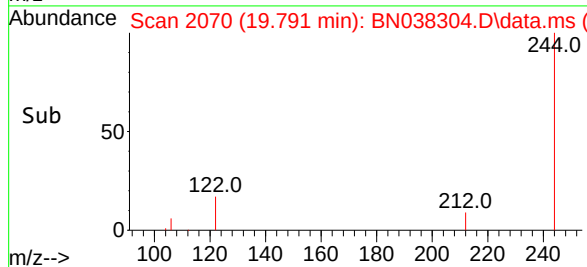
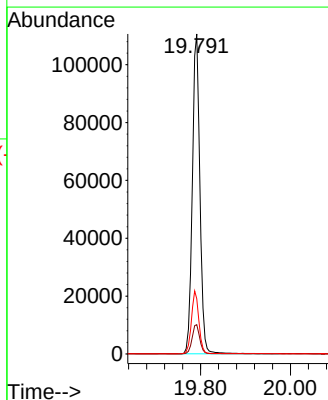
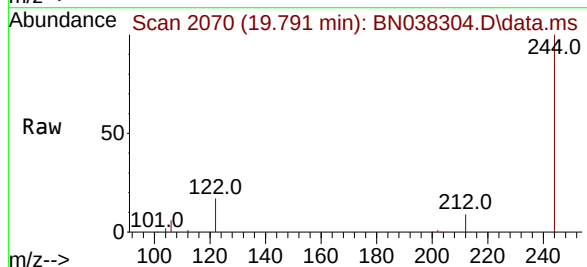
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

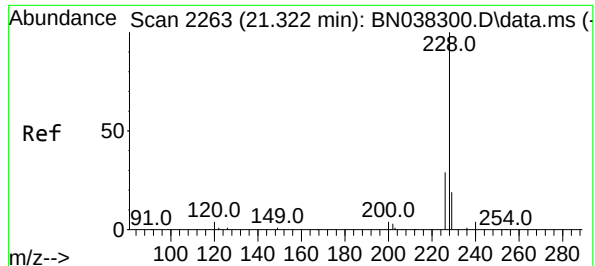
Tgt Ion:202 Resp: 291237
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 17.7 14.2 21.2



#31
Terphenyl-d14
Concen: 5.061 ng
RT: 19.791 min Scan# 2070
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:244 Resp: 129183
Ion Ratio Lower Upper
244 100
212 9.1 7.9 11.9
122 17.2 15.0 22.6

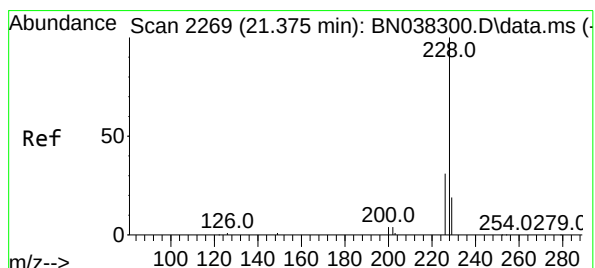
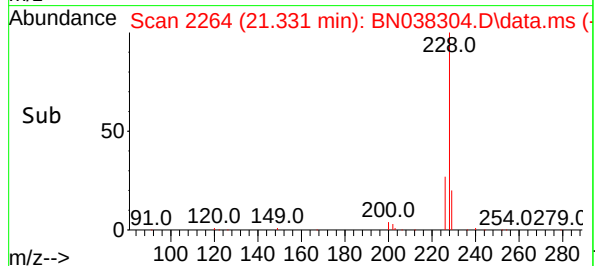
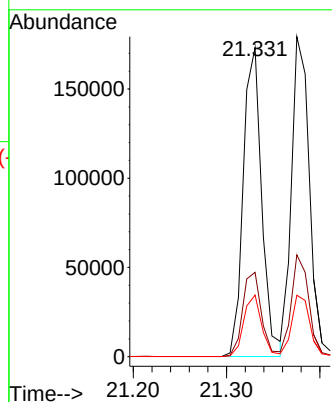
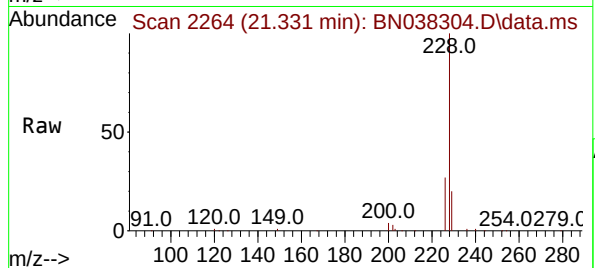




#32
Benzo(a)anthracene
Concen: 5.412 ng
RT: 21.331 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

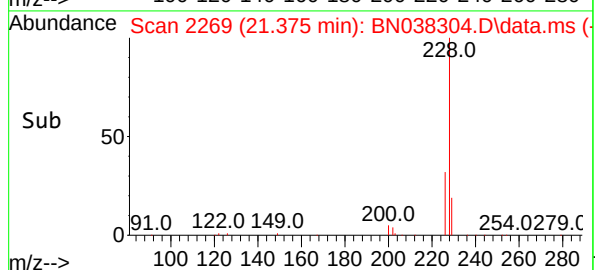
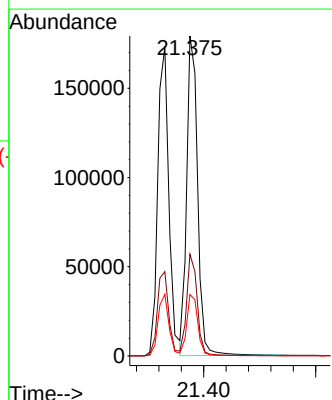
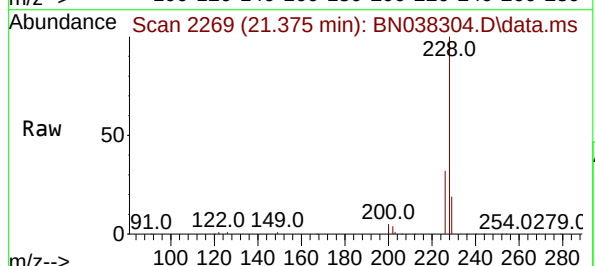
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

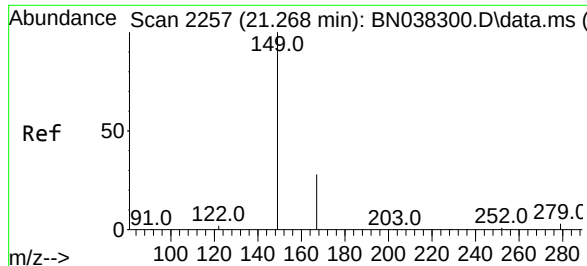
Tgt Ion:228 Resp: 239112
Ion Ratio Lower Upper
228 100
226 27.3 23.3 34.9
229 19.9 15.7 23.5



#33
Chrysene
Concen: 4.987 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:228 Resp: 242638
Ion Ratio Lower Upper
228 100
226 31.8 25.0 37.4
229 19.2 15.5 23.3

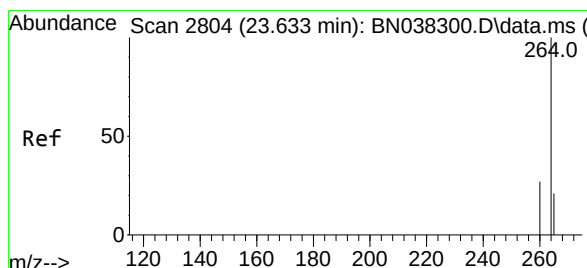
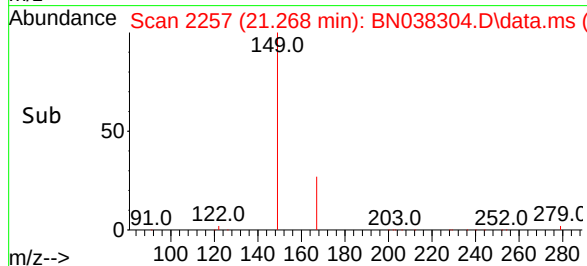
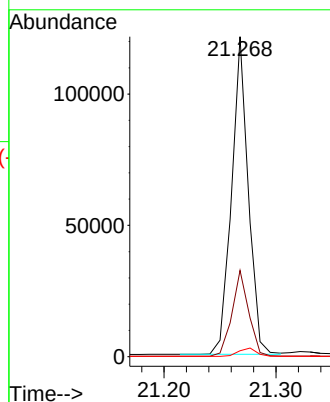
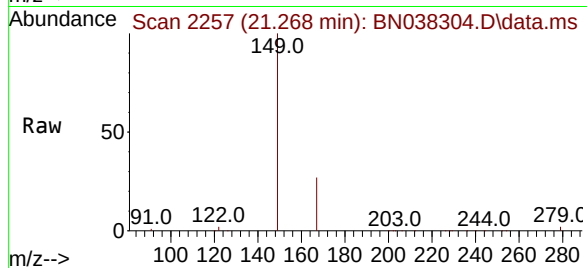




#34
Bis(2-ethylhexyl)phthalate
Concen: 5.186 ng
RT: 21.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

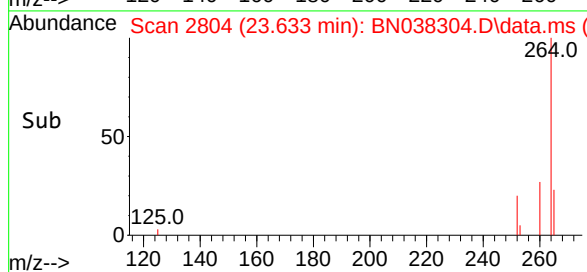
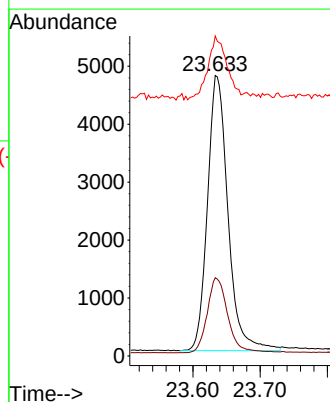
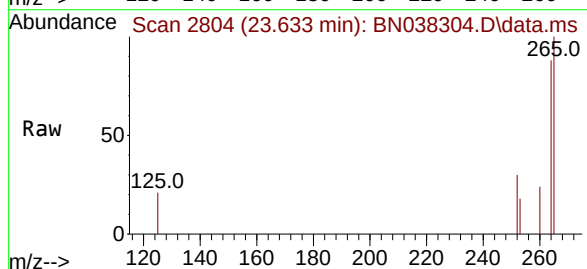
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

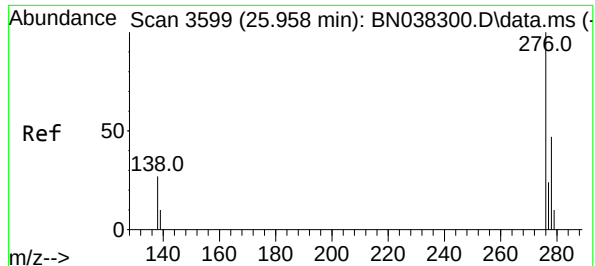
Tgt Ion:149 Resp: 125703
Ion Ratio Lower Upper
149 100
167 26.9 21.4 32.0
279 2.9 2.4 3.6



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.633 min Scan# 2804
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:264 Resp: 10064
Ion Ratio Lower Upper
264 100
260 27.9 22.2 33.2
265 114.1 80.2 120.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 5.489 ng

RT: 25.963 min Scan# 30

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

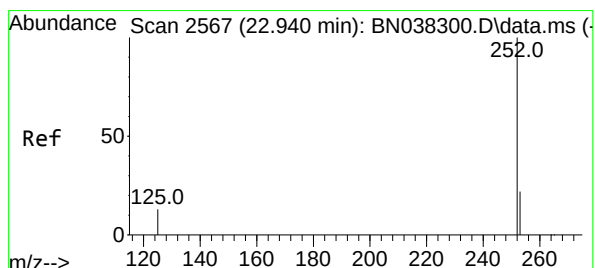
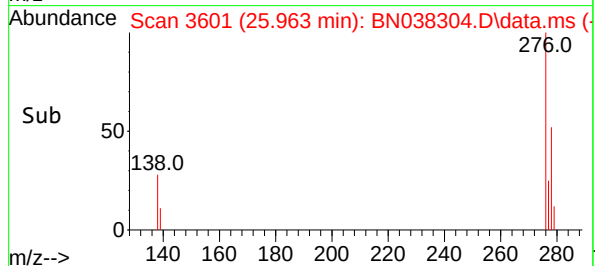
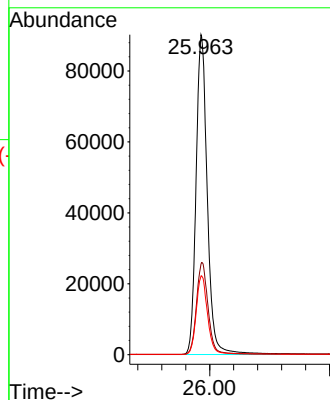
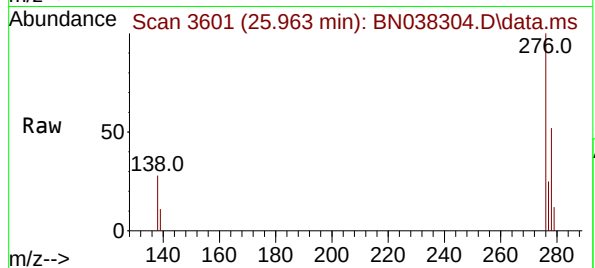
Tgt Ion:276 Resp: 293099

Ion Ratio Lower Upper

276 100

138 29.5 23.6 35.4

277 24.9 19.7 29.5



#37

Benzo(b)fluoranthene

Concen: 5.399 ng

RT: 22.946 min Scan# 2569

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

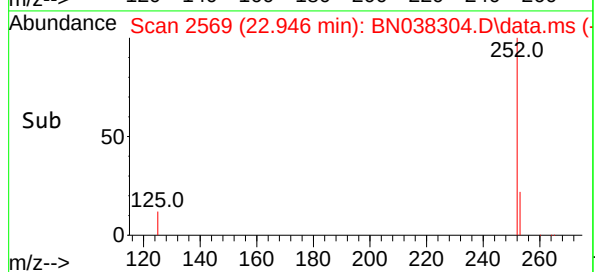
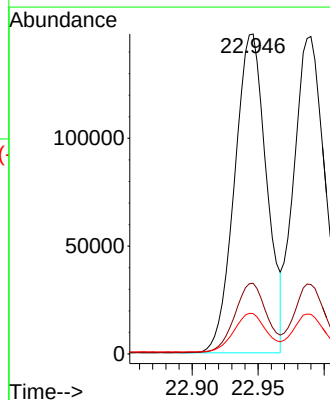
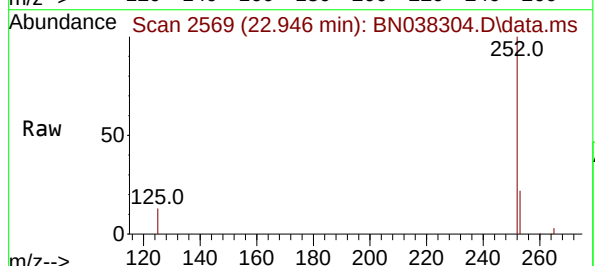
Tgt Ion:252 Resp: 249557

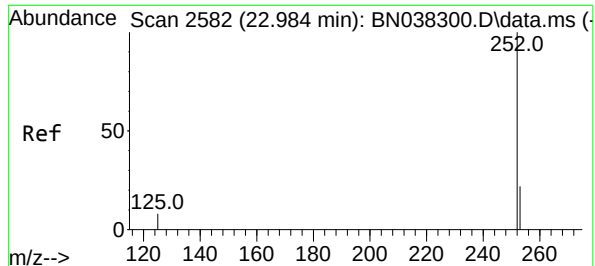
Ion Ratio Lower Upper

252 100

253 22.1 21.1 31.7

125 12.6 16.4 24.6#





#38

Benzo(k)fluoranthene

Concen: 5.444 ng

RT: 22.990 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

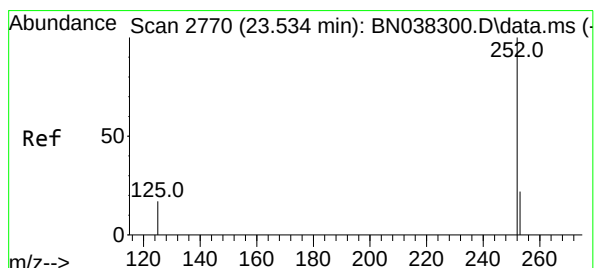
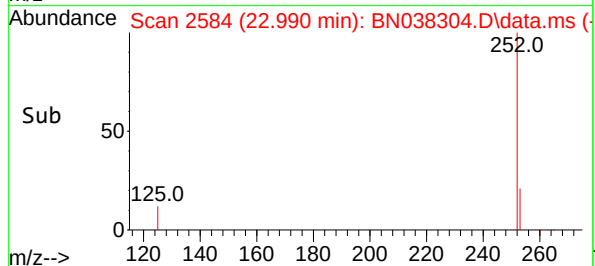
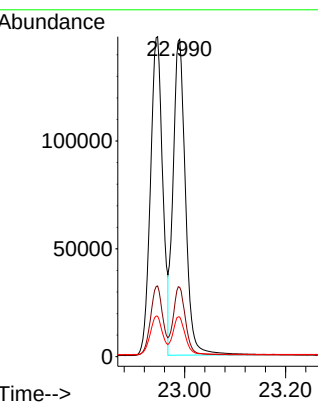
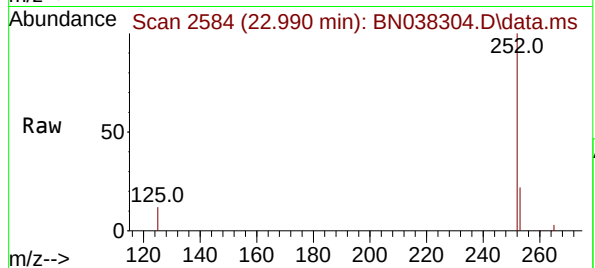
Tgt Ion:252 Resp: 250888

Ion Ratio Lower Upper

252 100

253 21.9 21.4 32.0

125 12.5 16.2 24.2#



#39

Benzo(a)pyrene

Concen: 5.530 ng

RT: 23.534 min Scan# 2770

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

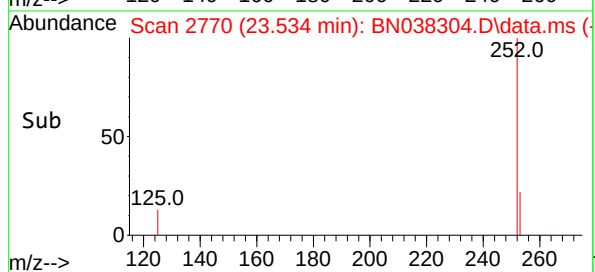
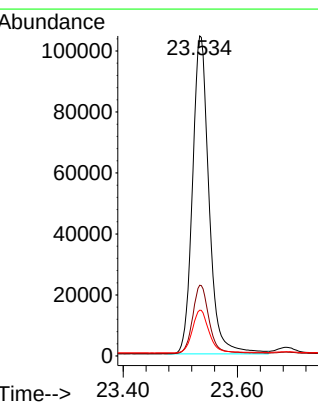
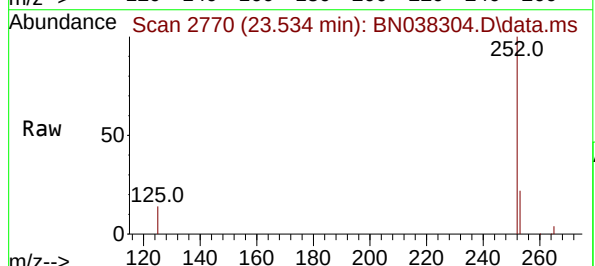
Tgt Ion:252 Resp: 209188

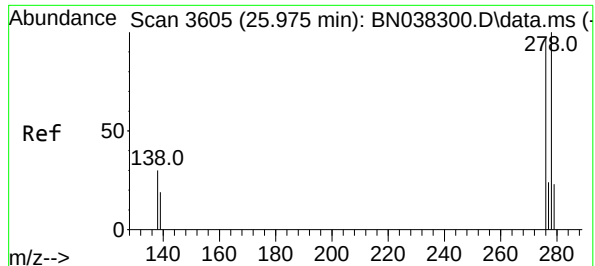
Ion Ratio Lower Upper

252 100

253 22.1 23.3 34.9#

125 14.3 22.4 33.6#





#40

Dibenzo(a,h)anthracene

Concen: 5.567 ng

RT: 25.981 min Scan# 30

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

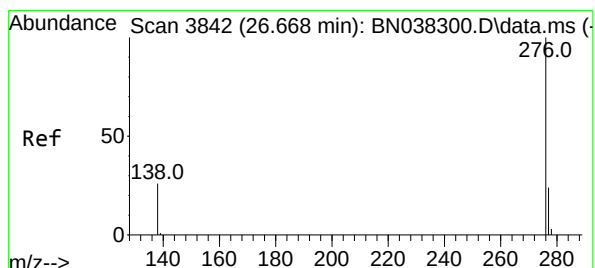
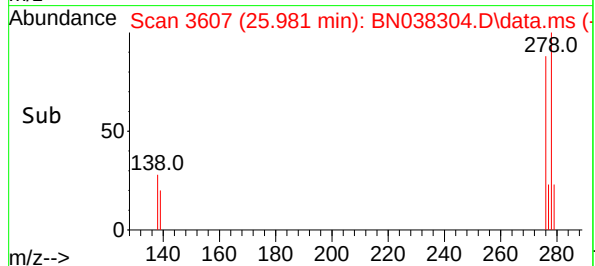
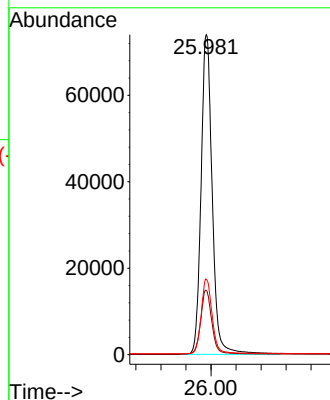
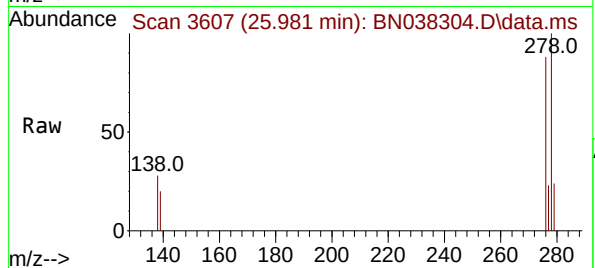
Tgt Ion:278 Resp: 229223

Ion Ratio Lower Upper

278 100

139 20.0 17.8 26.8

279 23.6 21.3 31.9



#41

Benzo(g,h,i)perylene

Concen: 5.369 ng

RT: 26.677 min Scan# 3845

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

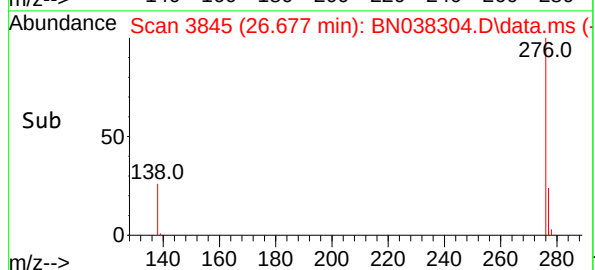
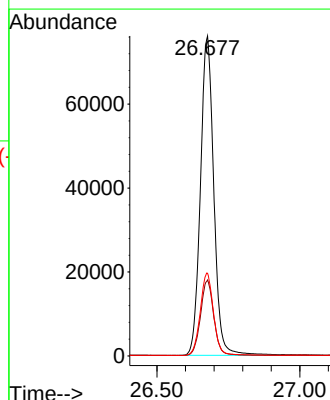
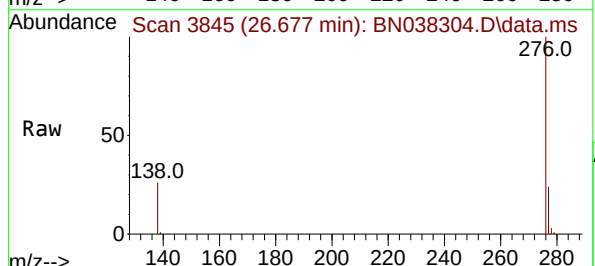
Tgt Ion:276 Resp: 247112

Ion Ratio Lower Upper

276 100

277 23.7 20.0 30.0

138 25.9 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038305.D
 Acq On : 10 Dec 2025 14:06
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN121025

Quant Time: Dec 10 14:34:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

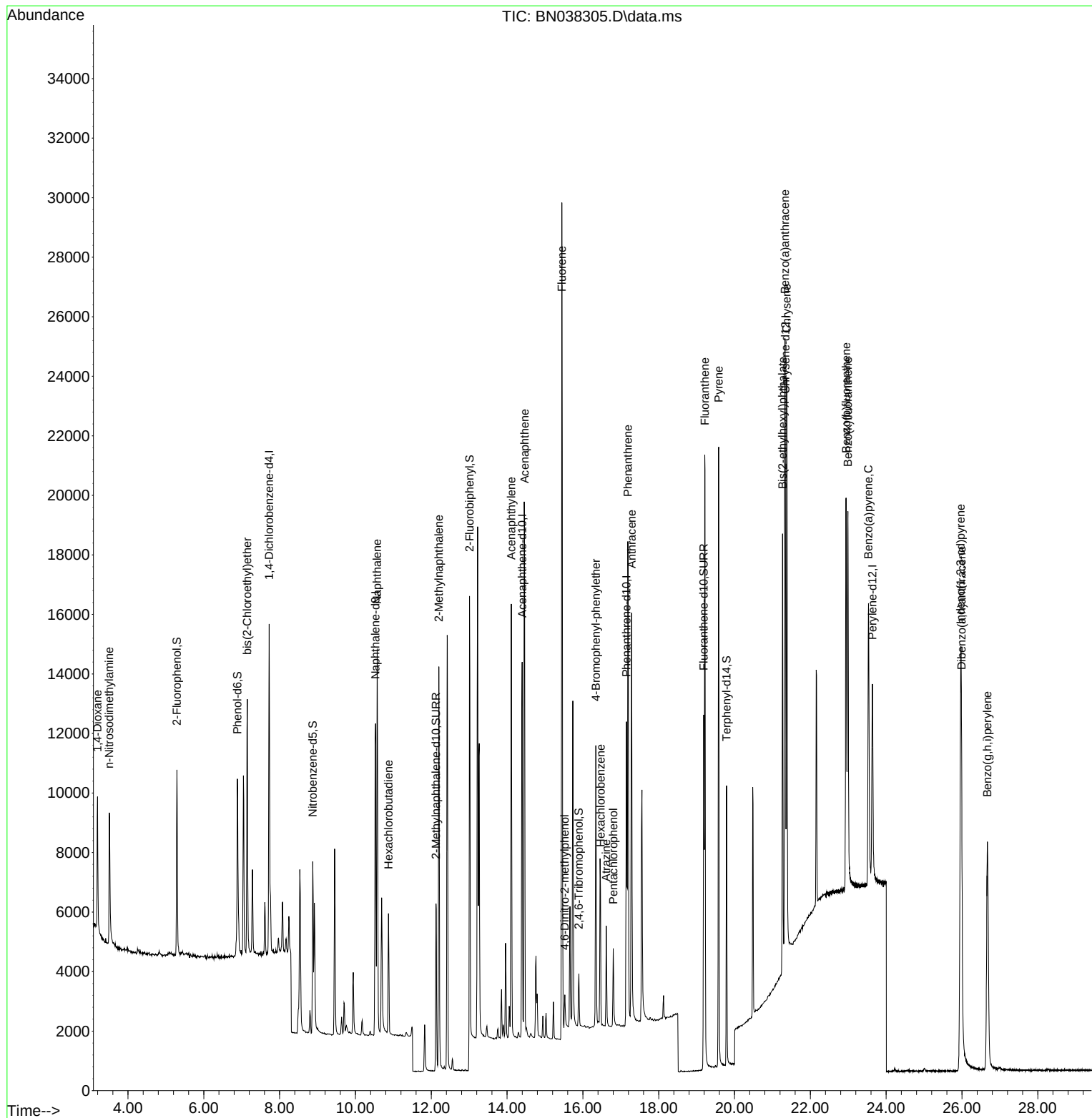
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5494	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	14732	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	7414	0.400	ng	0.00
19) Phenanthrene-d10	17.149	188	13558	0.400	ng	# 0.00
29) Chrysene-d12	21.340	240	10339	0.400	ng	0.00
35) Perylene-d12	23.636	264	9862	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	5169	0.378	ng	0.00
5) Phenol-d6	6.887	99	5881	0.362	ng	0.00
8) Nitrobenzene-d5	8.875	82	4810	0.387	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	8240	0.397	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1106	0.336	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	13334	0.373	ng	0.00
27) Fluoranthene-d10	19.187	212	13145	0.392	ng	0.00
31) Terphenyl-d14	19.791	244	9107	0.395	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	2785	0.442	ng	98
3) n-Nitrosodimethylamine	3.507	42	3219	0.408	ng	# 98
6) bis(2-Chloroethyl)ether	7.147	93	6576	0.413	ng	99
9) Naphthalene	10.573	128	17206	0.395	ng	100
10) Hexachlorobutadiene	10.872	225	3156	0.408	ng	# 99
12) 2-Methylnaphthalene	12.202	142	10135	0.367	ng	99
16) Acenaphthylene	14.110	152	15840	0.435	ng	99
17) Acenaphthene	14.462	154	10069	0.397	ng	98
18) Fluorene	15.446	166	12748	0.391	ng	99
20) 4,6-Dinitro-2-methylph...	15.523	198	733	0.329	ng	# 78
21) 4-Bromophenyl-phenylether	16.342	248	3847	0.382	ng	# 90
22) Hexachlorobenzene	16.466	284	4774	0.395	ng	99
23) Atrazine	16.615	200	2571	0.375	ng	96
24) Pentachlorophenol	16.801	266	1394	0.295	ng	98
25) Phenanthrene	17.186	178	18314	0.388	ng	100
26) Anthracene	17.285	178	16082	0.395	ng	99
28) Fluoranthene	19.220	202	18786	0.375	ng	100
30) Pyrene	19.582	202	19552	0.384	ng	100
32) Benzo(a)anthracene	21.331	228	15962	0.400	ng	98
33) Chrysene	21.375	228	17443	0.397	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	8119	0.371	ng	99
36) Indeno(1,2,3-cd)pyrene	25.966	276	19287	0.369	ng	99
37) Benzo(b)fluoranthene	22.943	252	17623	0.389	ng	98
38) Benzo(k)fluoranthene	22.990	252	17707	0.392	ng	98
39) Benzo(a)pyrene	23.534	252	15048	0.406	ng	98
40) Dibenzo(a,h)anthracene	25.987	278	15615	0.387	ng	98
41) Benzo(g,h,i)perylene	26.671	276	16981	0.377	ng	99

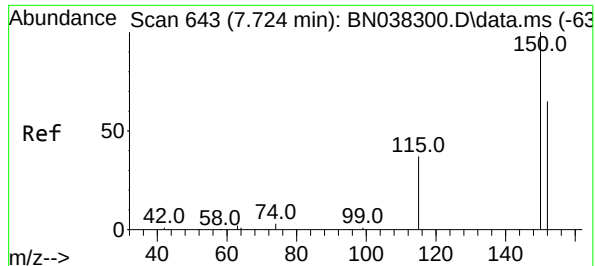
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
Data File : BN038305.D
Acq On : 10 Dec 2025 14:06
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN121025

Quant Time: Dec 10 14:34:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

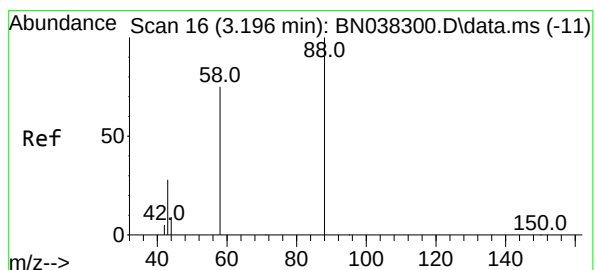
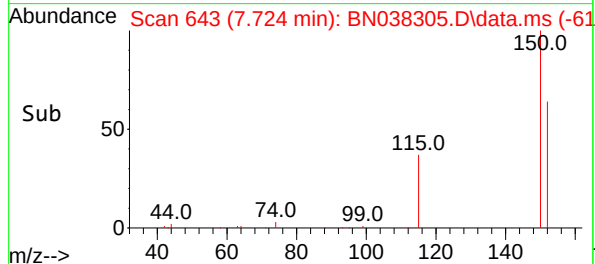
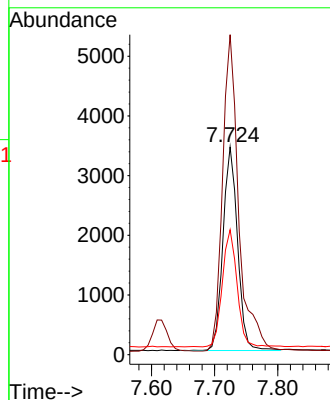
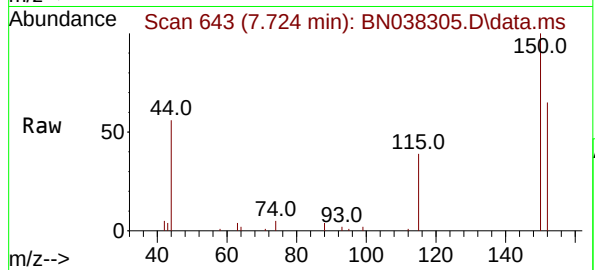




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

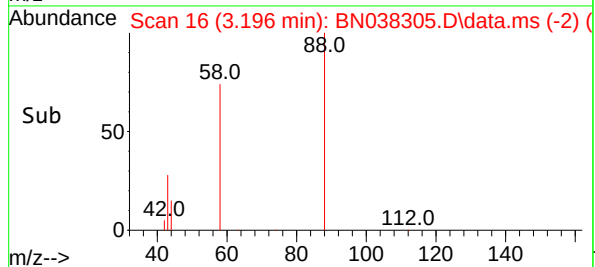
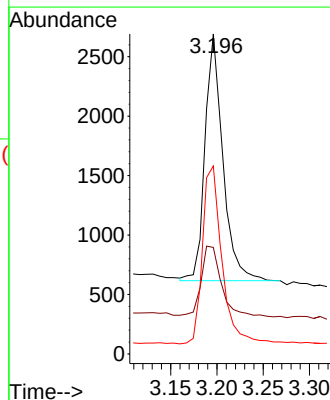
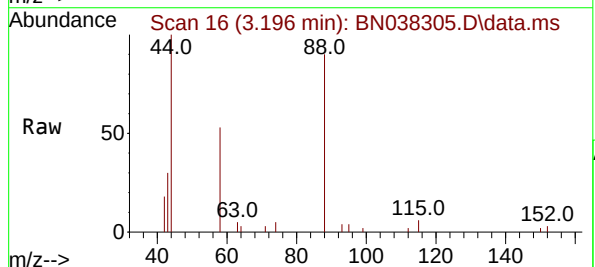
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

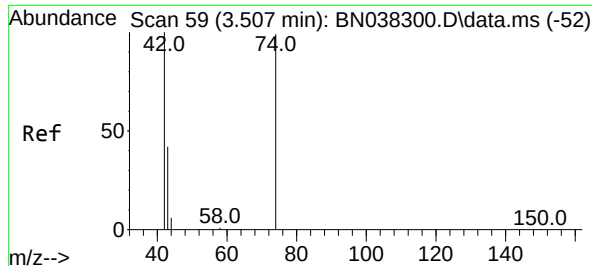
Tgt Ion:152 Resp: 5494
Ion Ratio Lower Upper
152 100
150 154.1 122.4 183.6
115 60.2 47.3 70.9



#2
1,4-Dioxane
Concen: 0.442 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion: 88 Resp: 2785
Ion Ratio Lower Upper
88 100
43 32.6 24.9 37.3
58 78.3 61.4 92.0

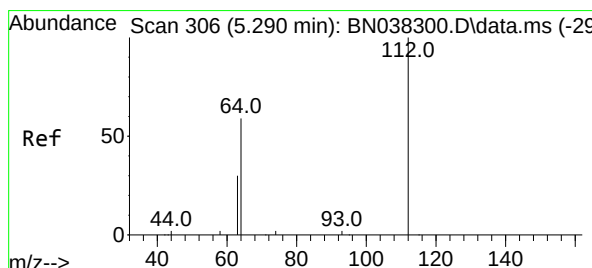
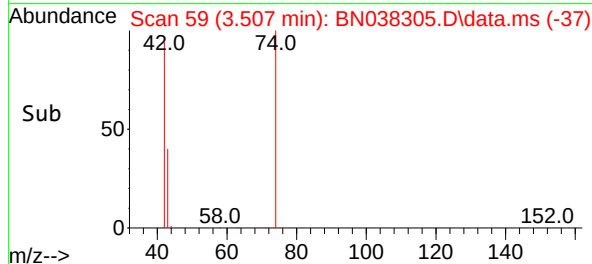
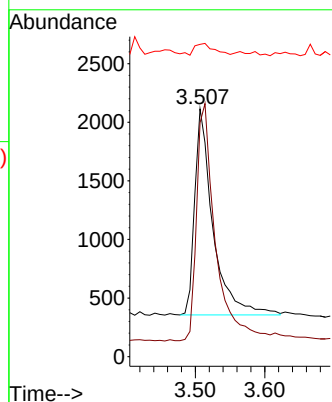
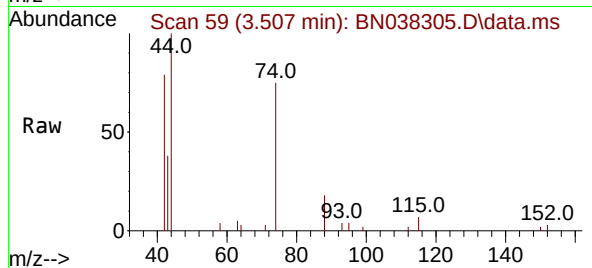




#3
n-Nitrosodimethylamine
Concen: 0.408 ng
RT: 3.507 min Scan# 59
Delta R.T. 0.007 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

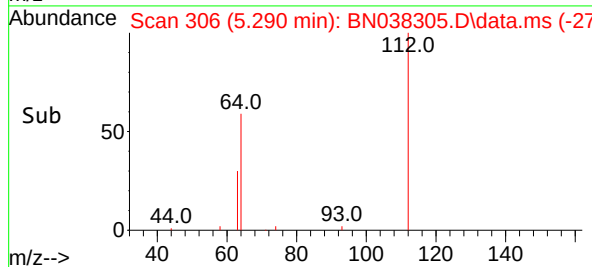
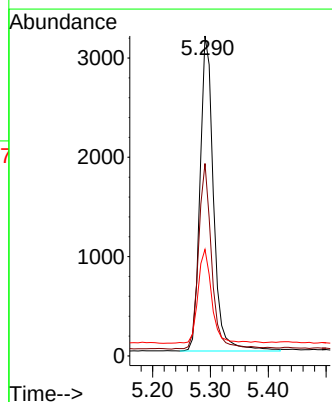
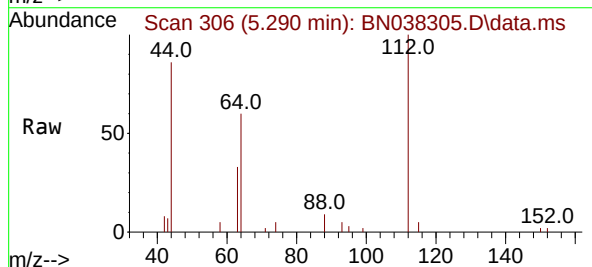
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

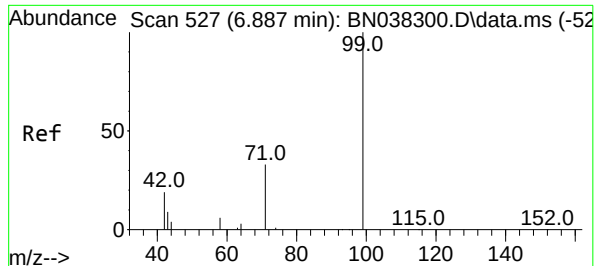
Tgt Ion: 42 Resp: 3219
Ion Ratio Lower Upper
42 100
74 120.1 95.3 142.9
44 5.9 7.9 11.9#



#4
2-Fluorophenol
Concen: 0.378 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion: 112 Resp: 5169
Ion Ratio Lower Upper
112 100
64 57.1 44.4 66.6
63 30.5 23.4 35.0

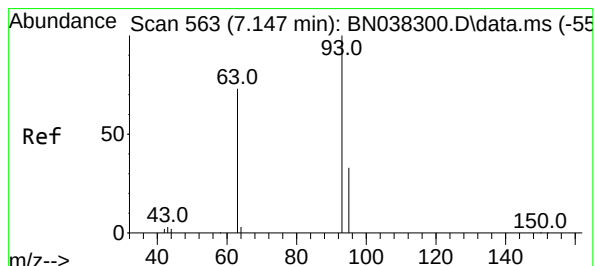
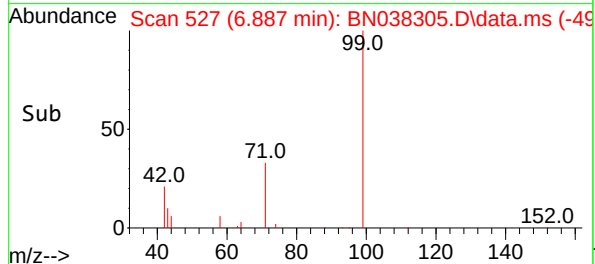
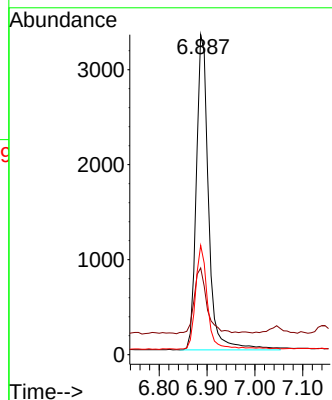
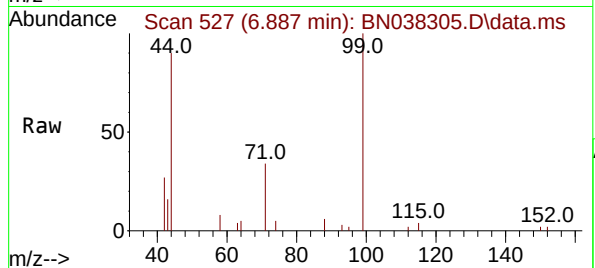




#5
Phenol-d6
Concen: 0.362 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

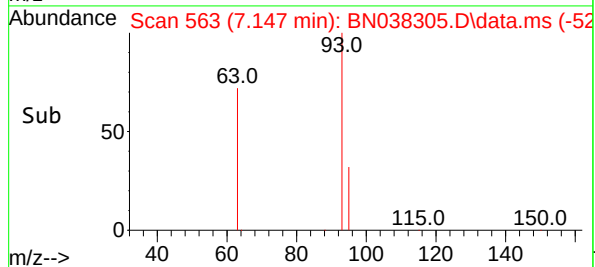
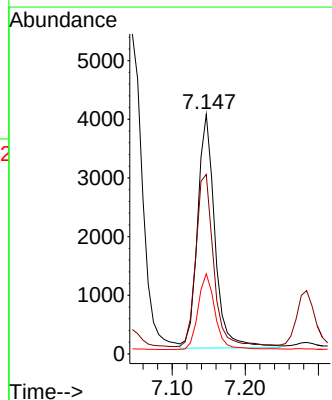
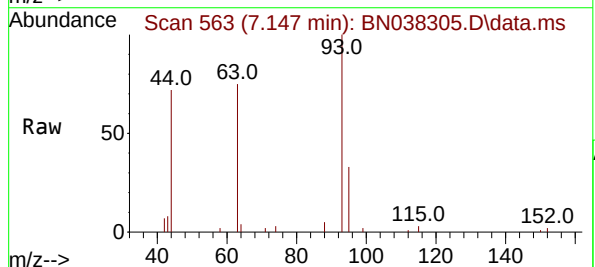
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

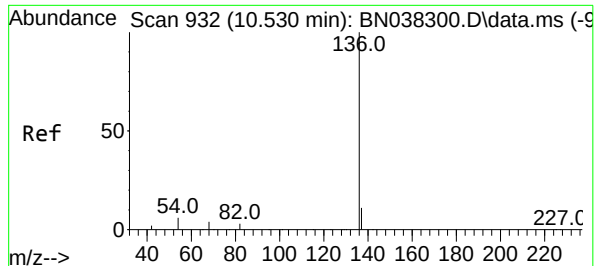
Tgt Ion: 99 Resp: 5881
Ion Ratio Lower Upper
99 100
42 22.1 16.5 24.7
71 32.1 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 0.413 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion: 93 Resp: 6576
Ion Ratio Lower Upper
93 100
63 75.5 59.2 88.8
95 31.8 25.2 37.8

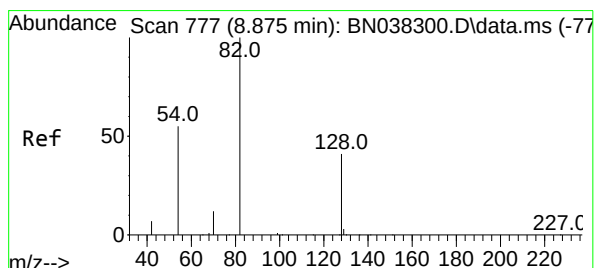
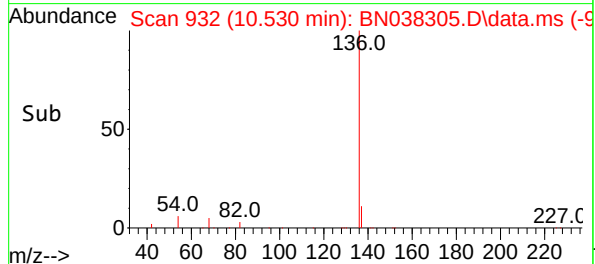
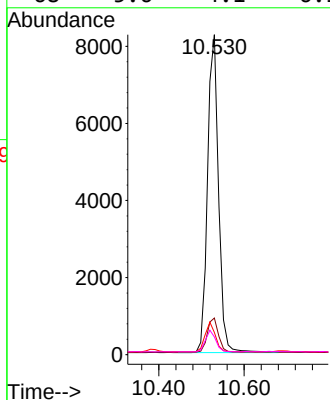
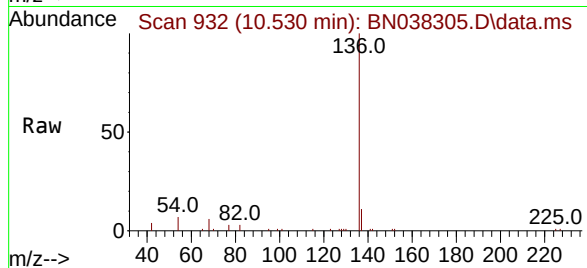




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

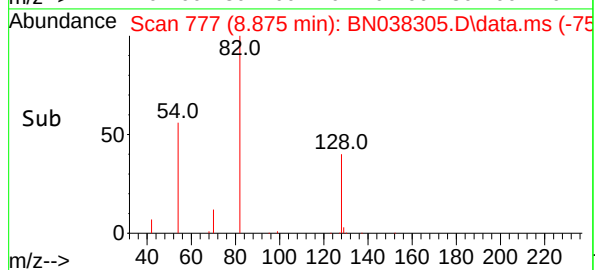
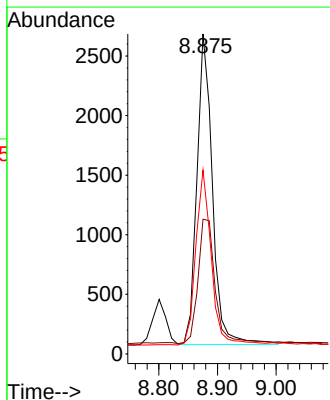
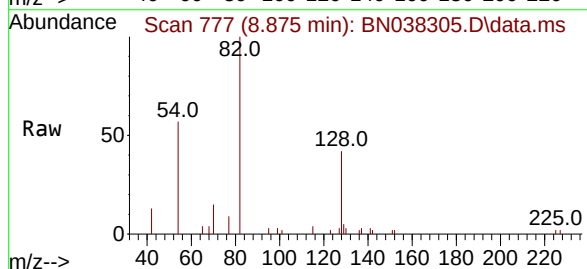
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

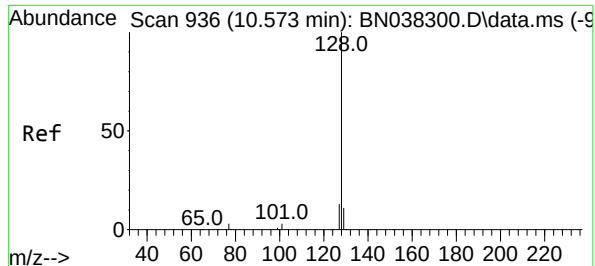
Tgt Ion:	136	Resp:	14732
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	6.9	5.2	7.8
68	5.6	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.387 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion:	82	Resp:	4810
Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.0	51.0
54	57.4	44.4	66.6

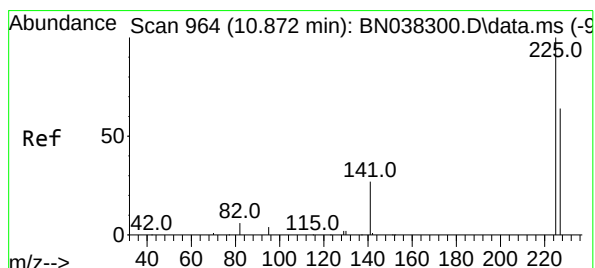
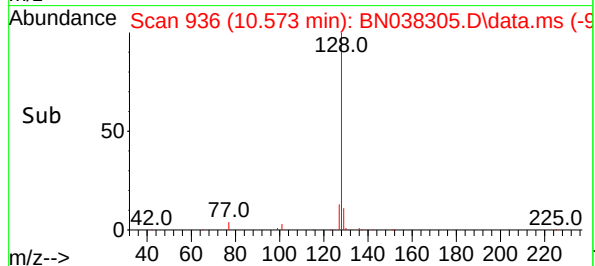
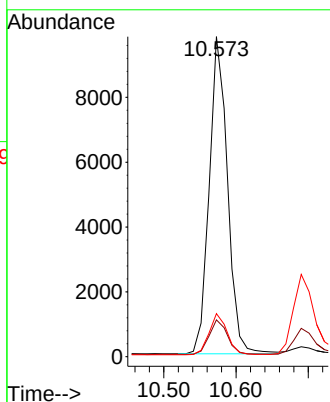
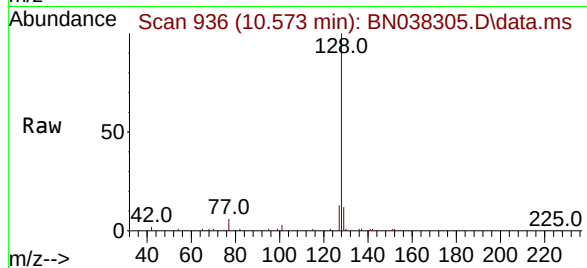




#9
Naphthalene
Concen: 0.395 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

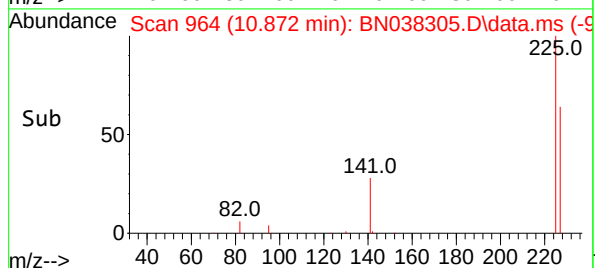
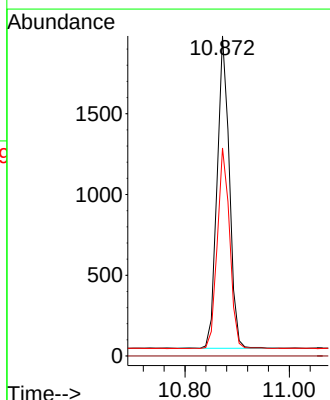
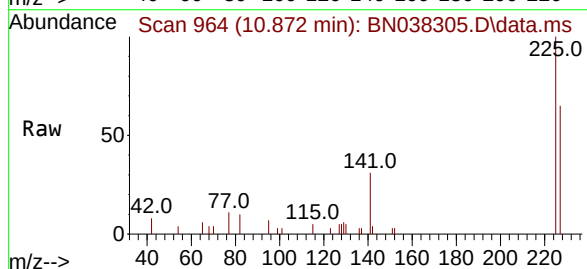
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

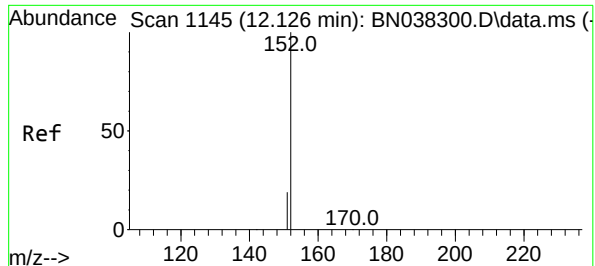
Tgt Ion:128 Resp: 17206
Ion Ratio Lower Upper
128 100
129 11.5 9.1 13.7
127 13.5 10.9 16.3



#10
Hexachlorobutadiene
Concen: 0.408 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion:225 Resp: 3156
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.7 51.2 76.8

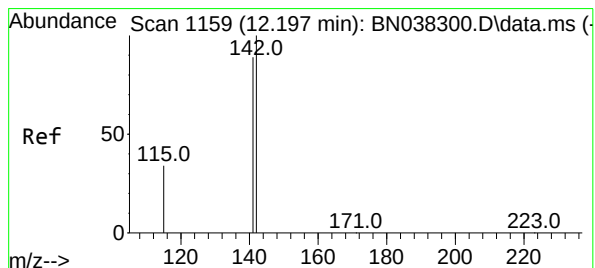
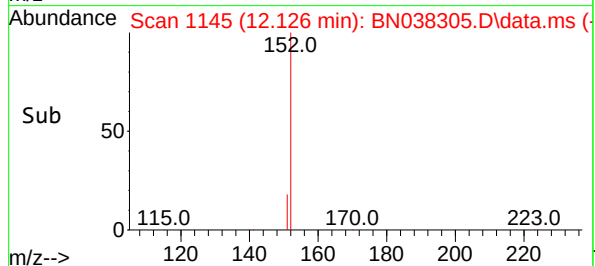
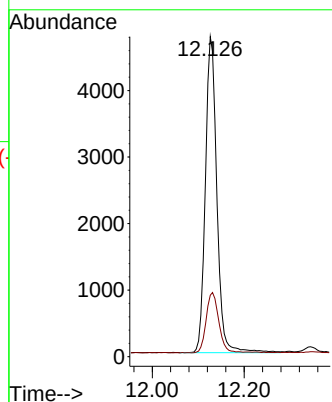
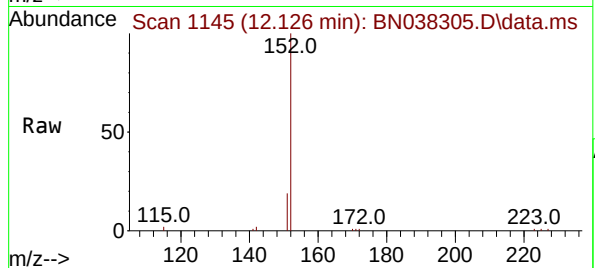




#11
2-Methylnaphthalene-d10
Concen: 0.397 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

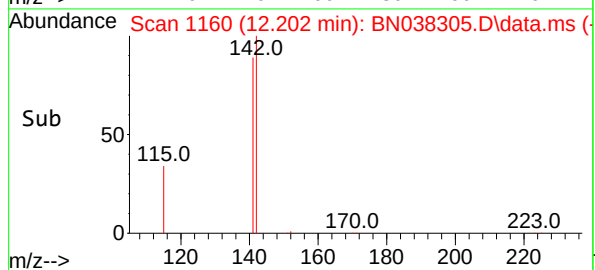
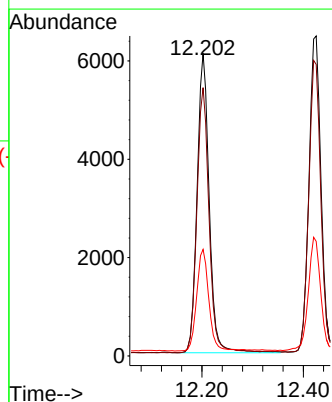
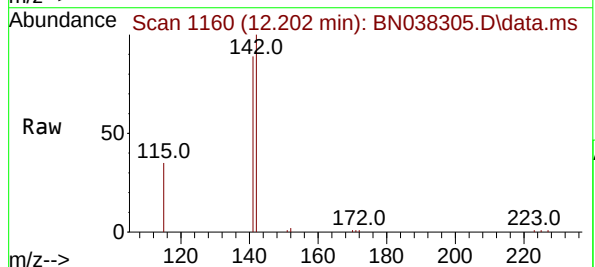
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

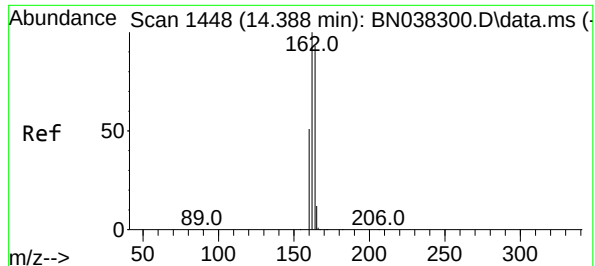
Tgt Ion:152 Resp: 8240
Ion Ratio Lower Upper
152 100
151 21.0 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.367 ng
RT: 12.202 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion:142 Resp: 10135
Ion Ratio Lower Upper
142 100
141 88.7 71.4 107.2
115 35.2 28.4 42.6

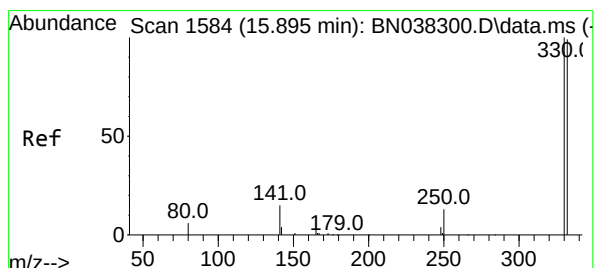
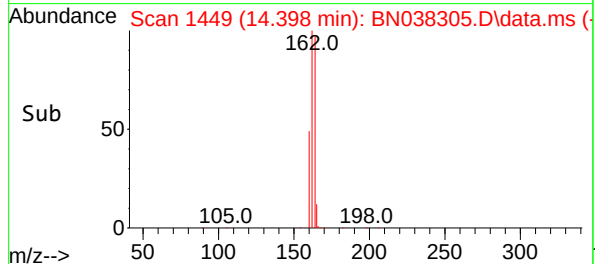
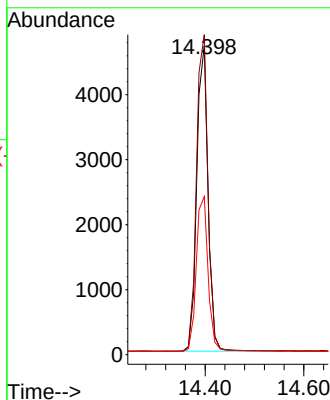
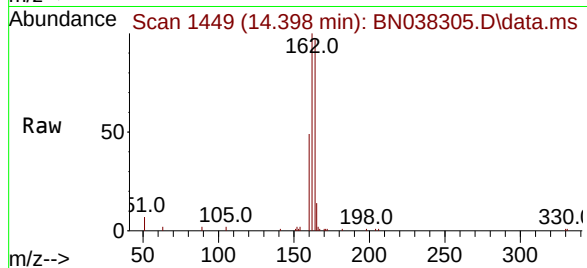




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

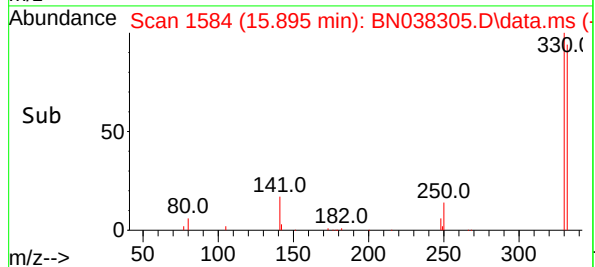
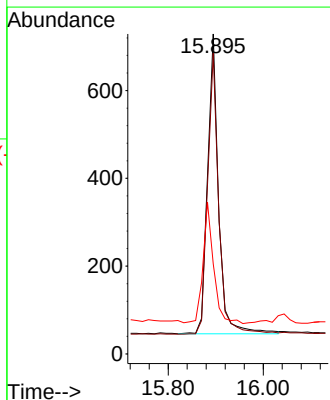
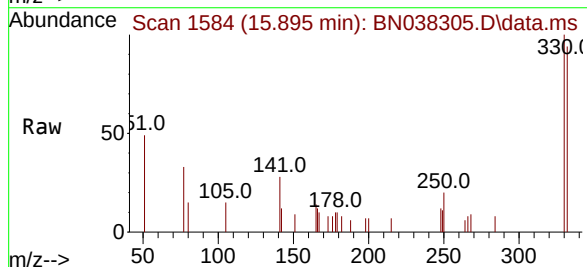
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

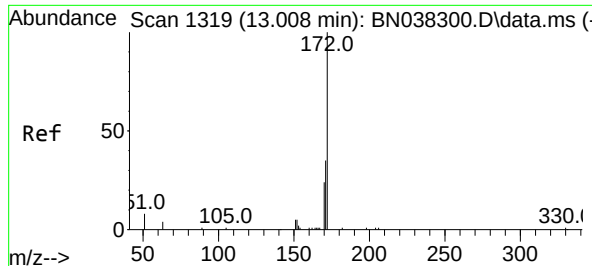
Tgt Ion:164 Resp: 7414
Ion Ratio Lower Upper
164 100
162 103.6 86.2 129.4
160 51.1 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.336 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion:330 Resp: 1106
Ion Ratio Lower Upper
330 100
332 94.6 75.8 113.6
141 37.6 31.8 47.8

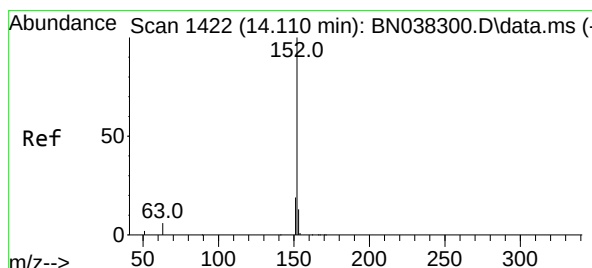
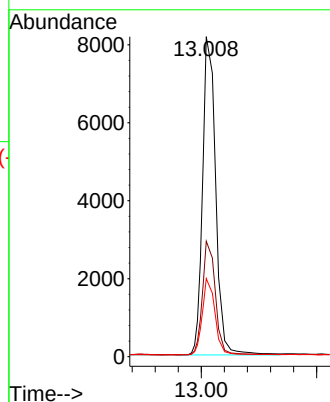
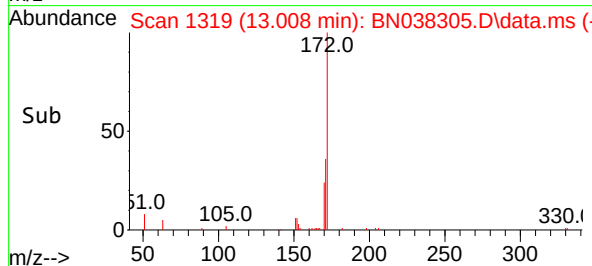
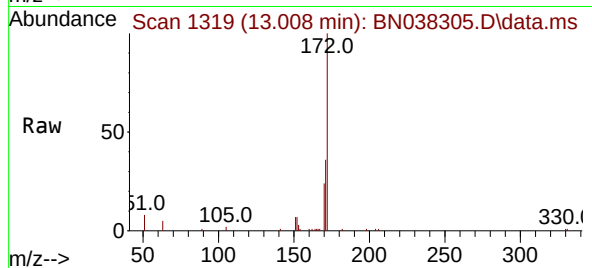




#15
2-Fluorobiphenyl
Concen: 0.373 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

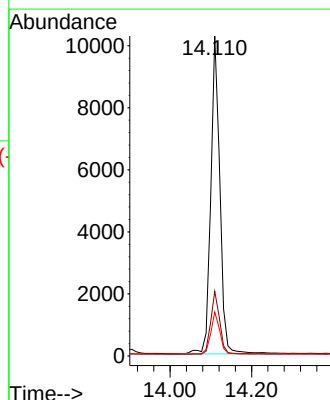
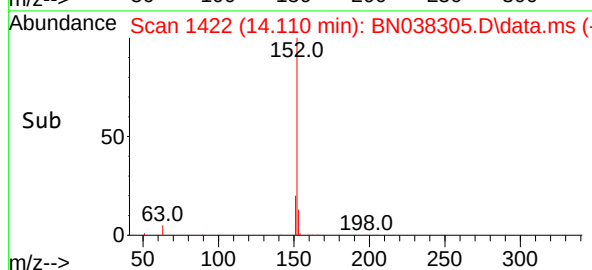
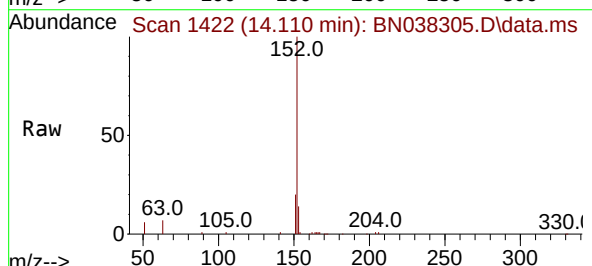
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

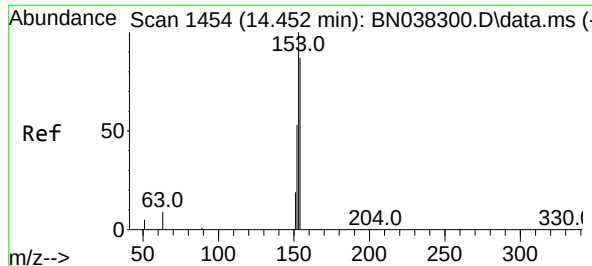
Tgt Ion:	172	Resp:	13334
Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	42.8
170	24.4	19.3	28.9



#16
Acenaphthylene
Concen: 0.435 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion:	152	Resp:	15840
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.2
153	13.1	10.2	15.4

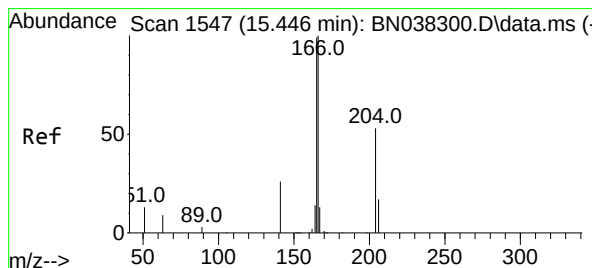
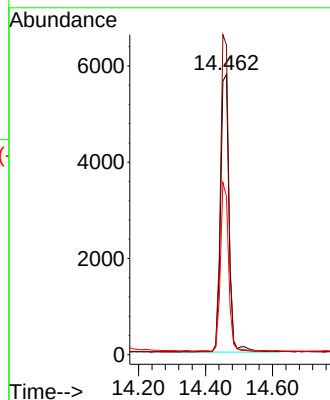
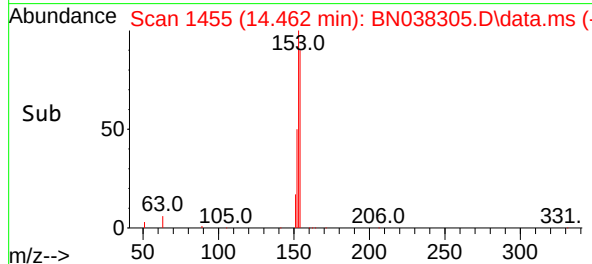
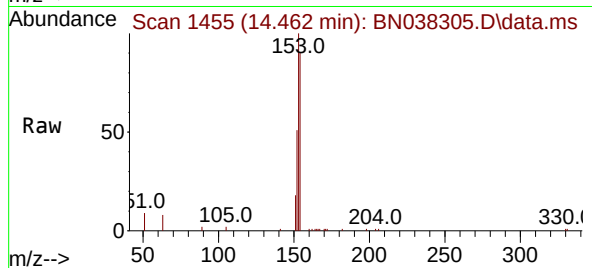




#17
Acenaphthene
Concen: 0.397 ng
RT: 14.462 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

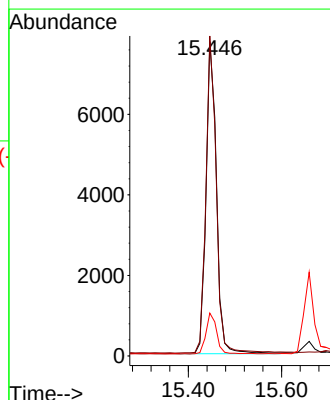
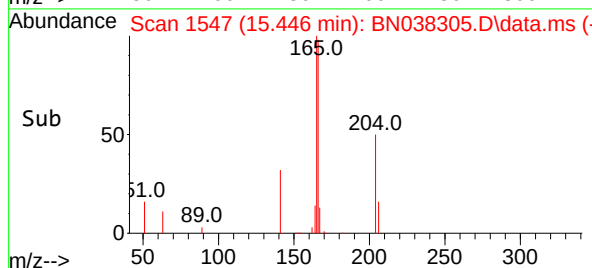
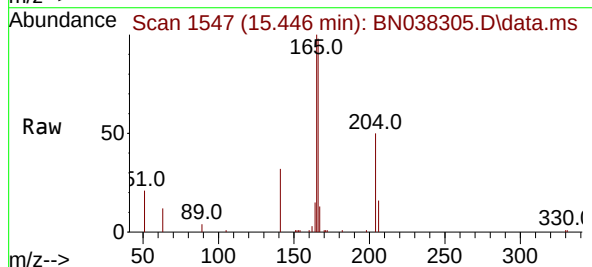
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

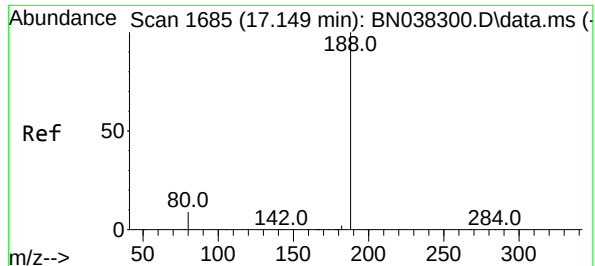
Tgt Ion:154 Resp: 10069
Ion Ratio Lower Upper
154 100
153 110.0 89.8 134.8
152 57.8 47.5 71.3



#18
Fluorene
Concen: 0.391 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion:166 Resp: 12748
Ion Ratio Lower Upper
166 100
165 99.6 80.2 120.4
167 13.1 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025

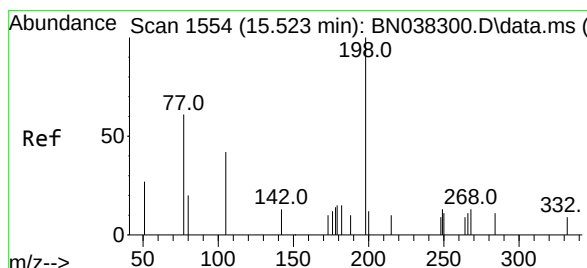
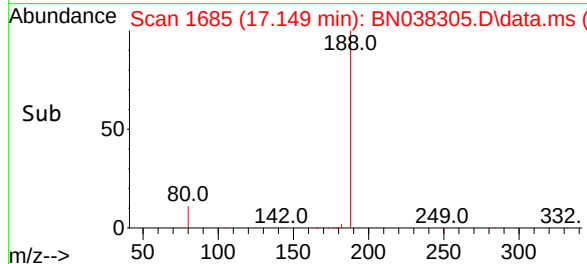
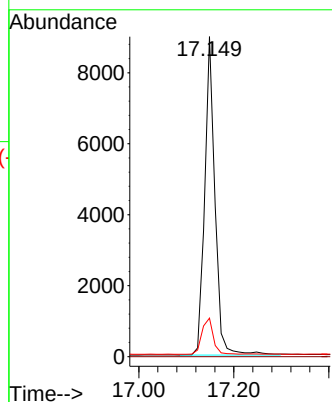
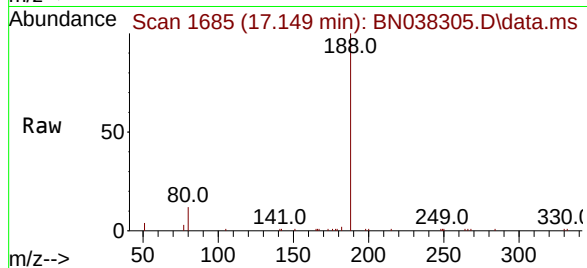
Tgt Ion:188 Resp: 13558

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.0 7.4 11.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.329 ng

RT: 15.523 min Scan# 1554

Delta R.T. 0.001 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

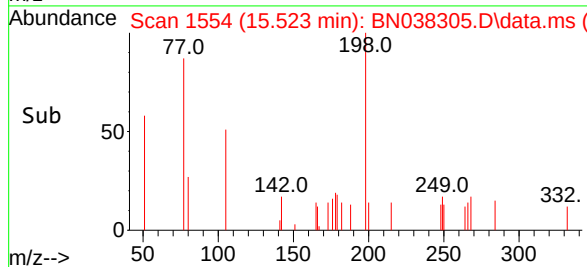
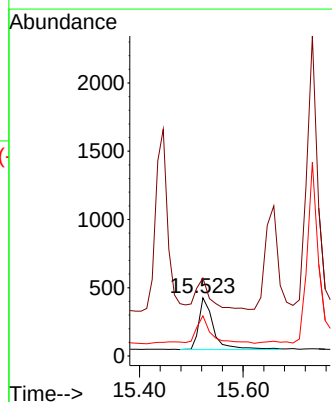
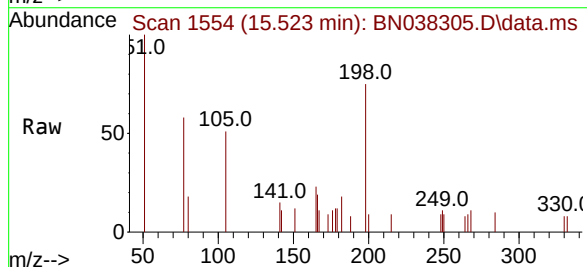
Tgt Ion:198 Resp: 733

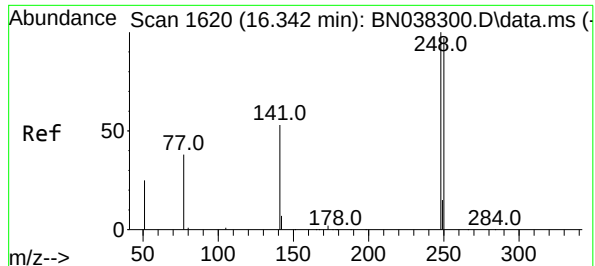
Ion Ratio Lower Upper

198 100

51 134.0 86.3 129.5#

105 69.0 45.3 67.9#





#21

4-Bromophenyl-phenylether

Concen: 0.382 ng

RT: 16.342 min Scan# 1630

Delta R.T. -0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025

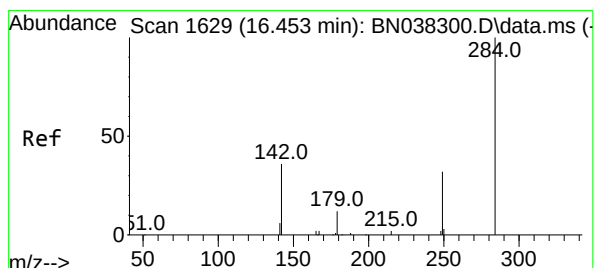
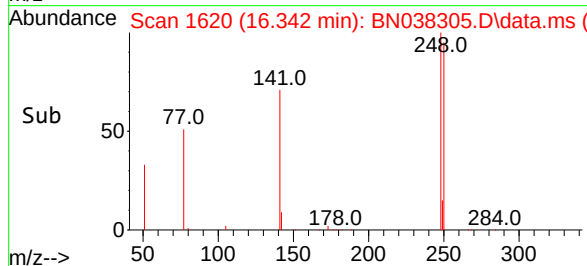
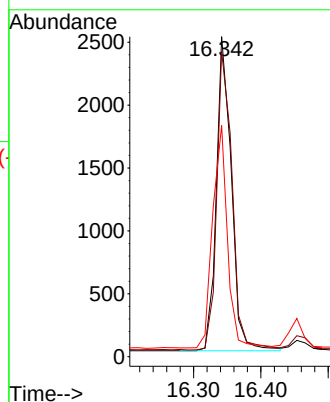
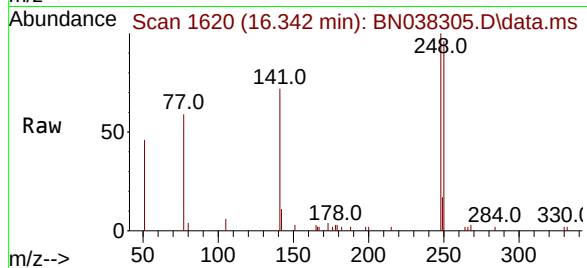
Tgt Ion:248 Resp: 3847

Ion Ratio Lower Upper

248 100

250 95.5 78.2 117.2

141 72.2 43.7 65.5#



#22

Hexachlorobenzene

Concen: 0.395 ng

RT: 16.466 min Scan# 1630

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

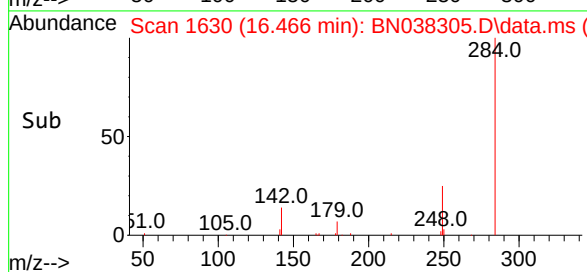
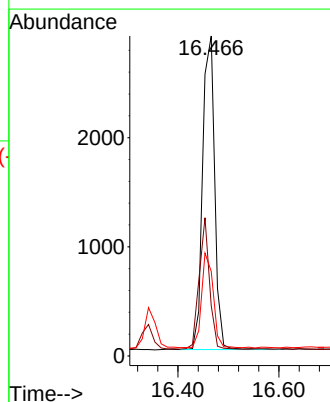
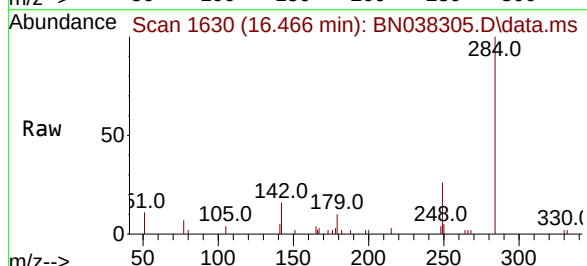
Tgt Ion:284 Resp: 4774

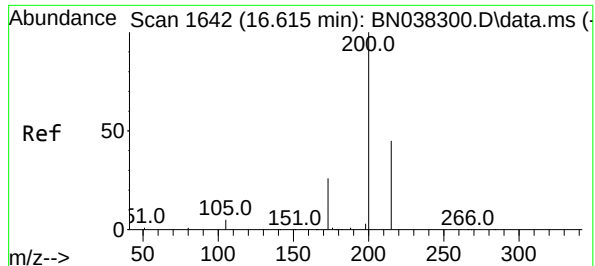
Ion Ratio Lower Upper

284 100

142 36.3 29.5 44.3

249 29.1 23.7 35.5

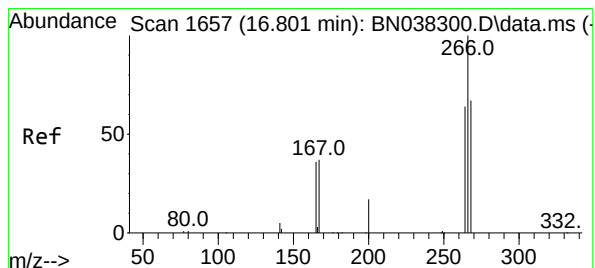
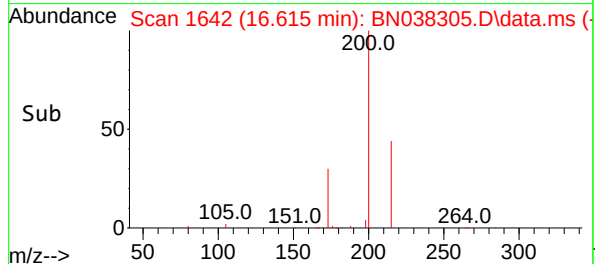
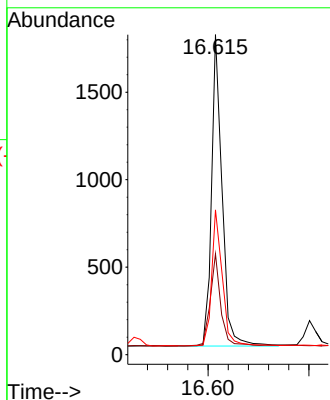
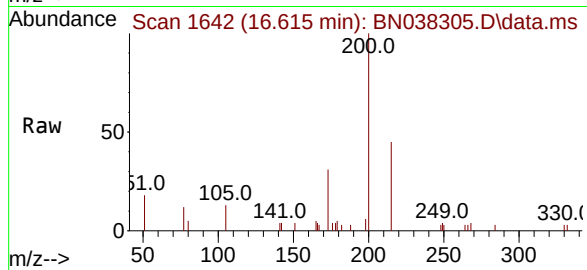




#23
Atrazine
Concen: 0.375 ng
RT: 16.615 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

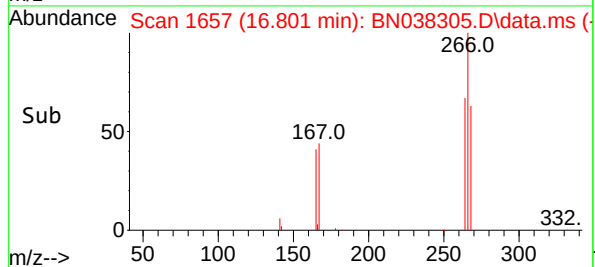
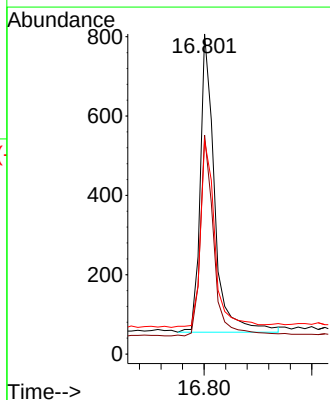
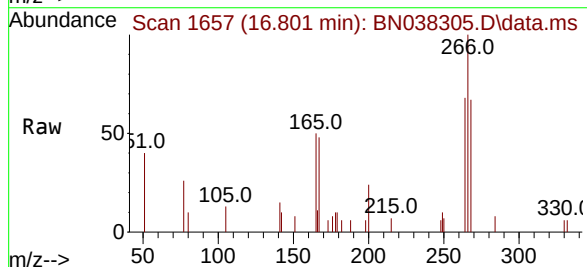
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

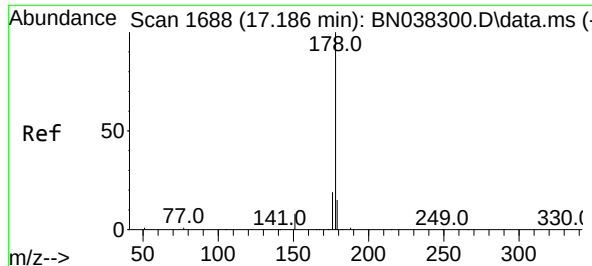
Tgt Ion	Ratio	Lower	Upper
200	100		
173	31.5	22.1	33.1
215	45.3	37.4	56.2



#24
Pentachlorophenol
Concen: 0.295 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.2	75.2
268	62.9	52.6	78.8

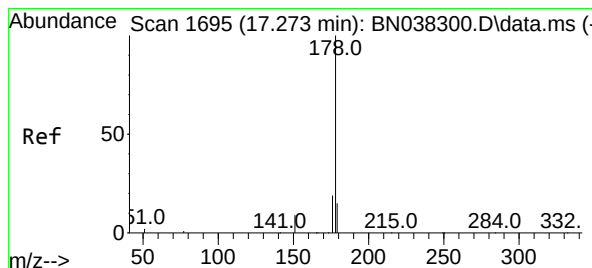
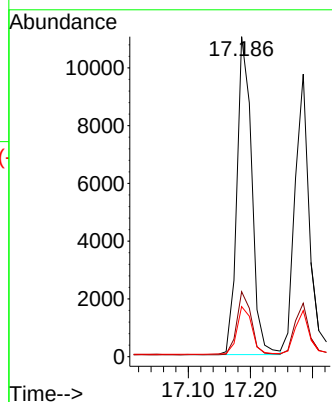
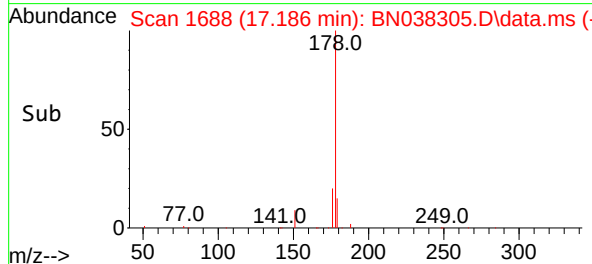
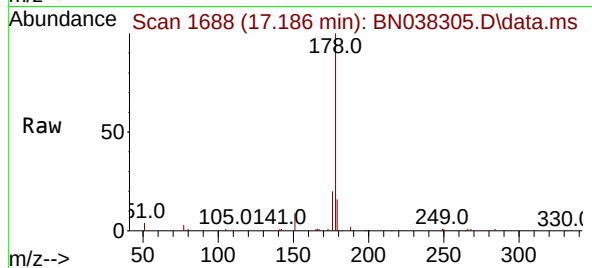




#25
Phenanthrene
Concen: 0.388 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

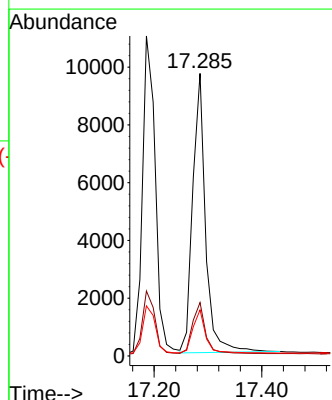
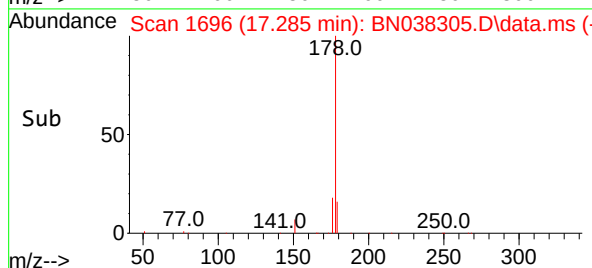
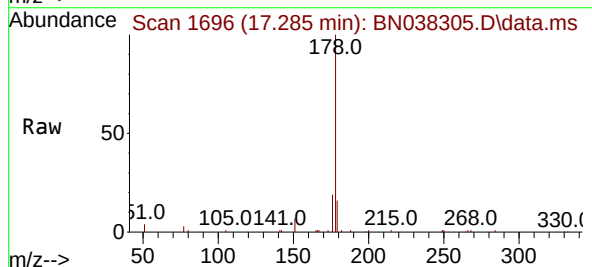
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

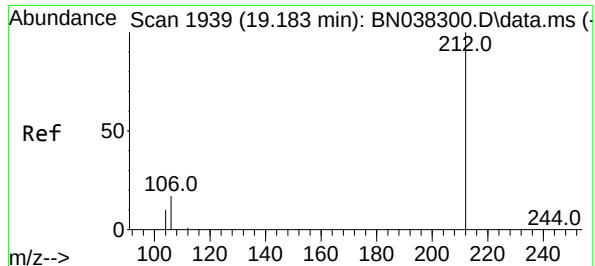
Tgt Ion:178 Resp: 18314
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.2 12.2 18.2



#26
Anthracene
Concen: 0.395 ng
RT: 17.285 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion:178 Resp: 16082
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.8 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.392 ng

RT: 19.187 min Scan# 1939

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025

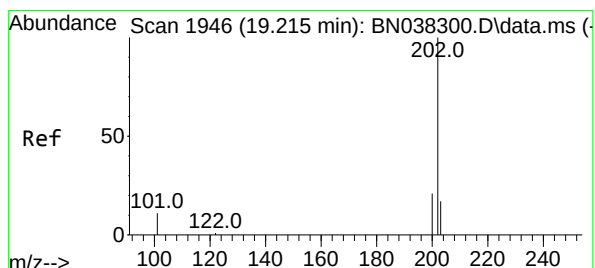
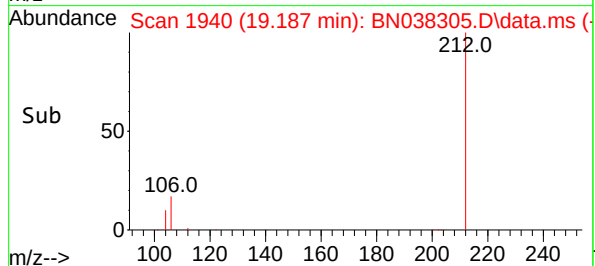
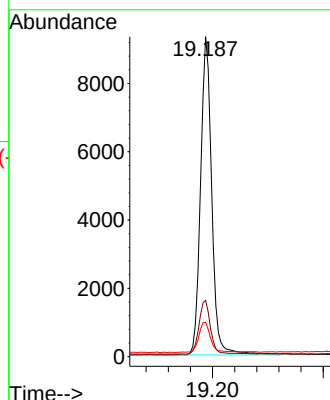
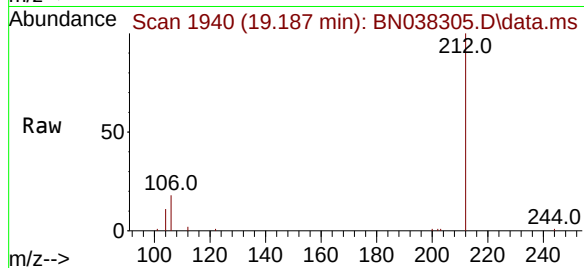
Tgt Ion:212 Resp: 13145

Ion Ratio Lower Upper

212 100

106 17.4 13.7 20.5

104 10.0 7.8 11.8



#28

Fluoranthene

Concen: 0.375 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

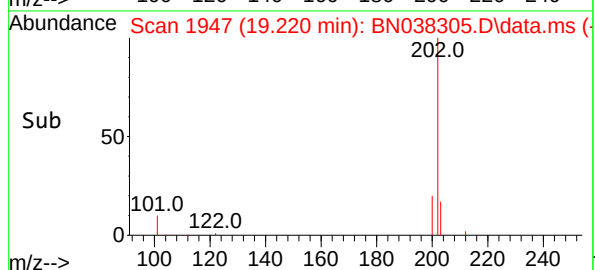
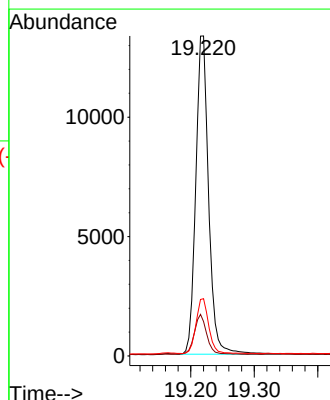
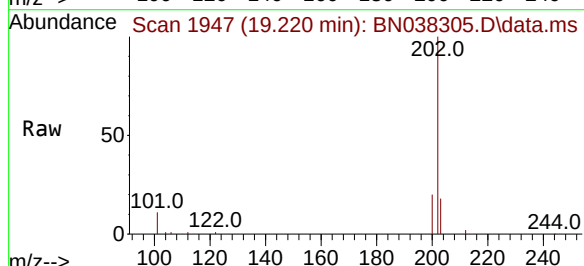
Tgt Ion:202 Resp: 18786

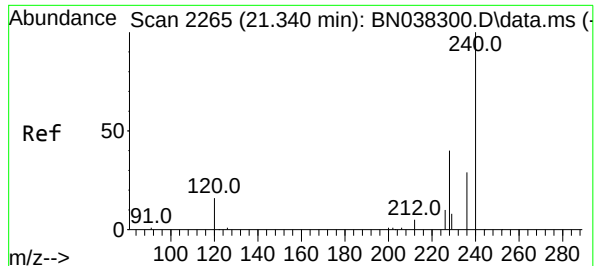
Ion Ratio Lower Upper

202 100

101 12.0 9.6 14.4

203 17.0 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025

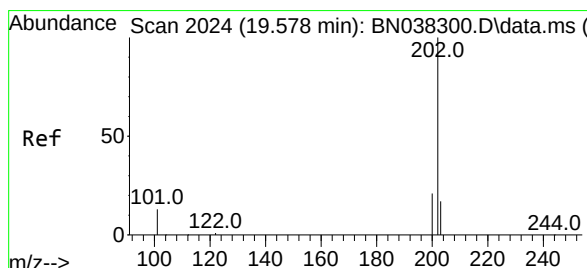
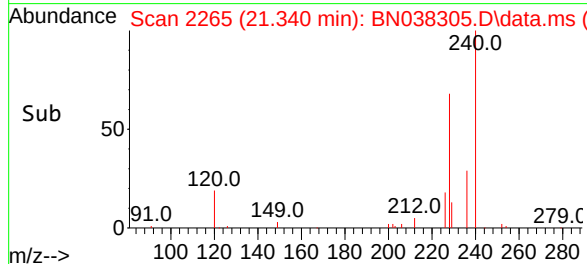
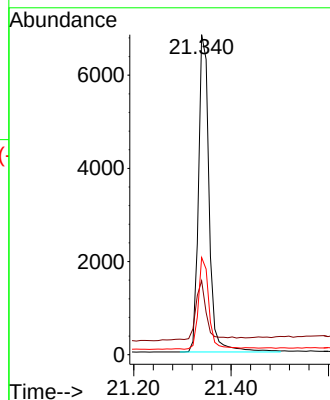
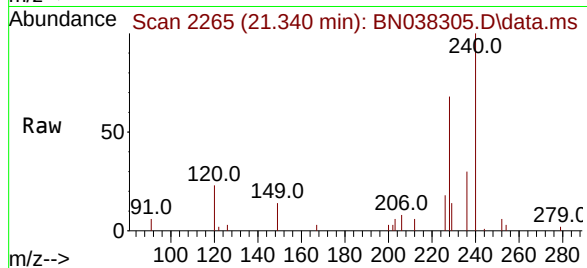
Tgt Ion:240 Resp: 10339

Ion Ratio Lower Upper

240 100

120 23.1 15.4 23.2

236 30.4 23.9 35.9



#30

Pyrene

Concen: 0.384 ng

RT: 19.582 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

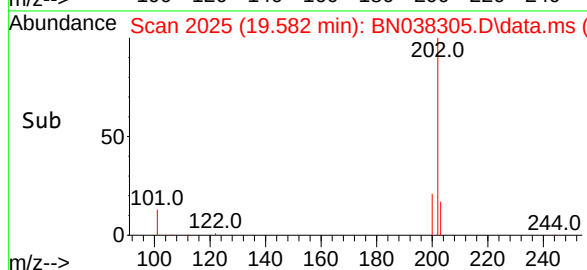
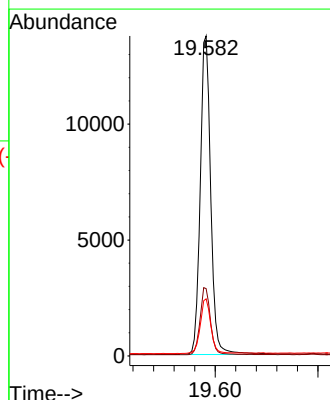
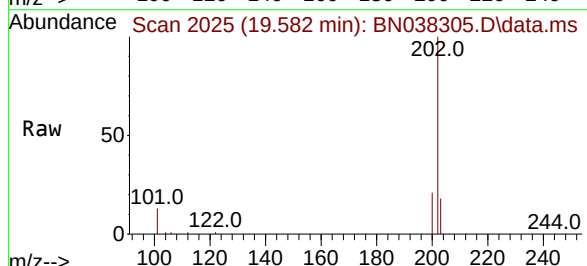
Tgt Ion:202 Resp: 19552

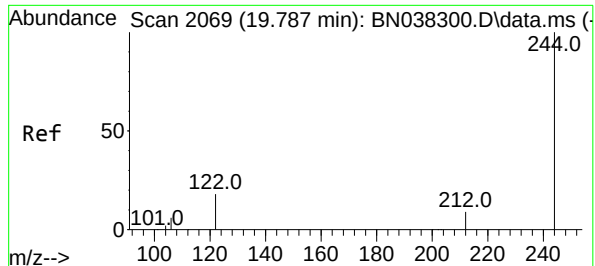
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 17.5 14.2 21.2

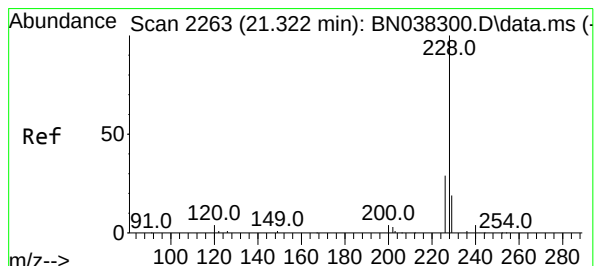
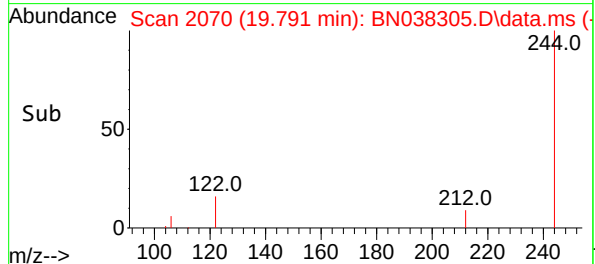
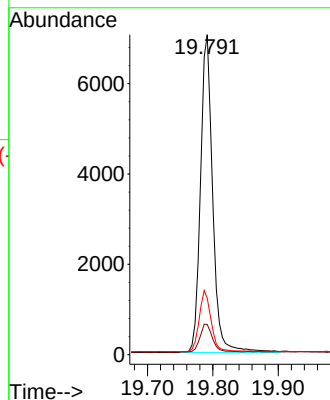
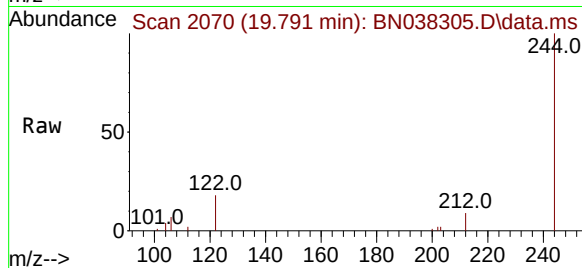




#31
Terphenyl-d14
Concen: 0.395 ng
RT: 19.791 min Scan# 2069
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

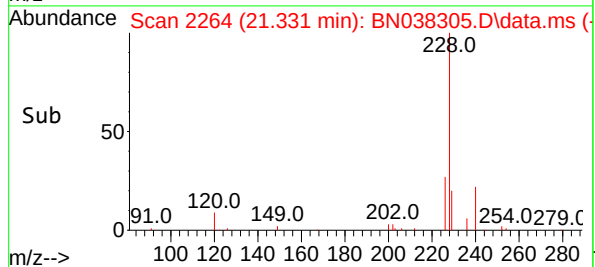
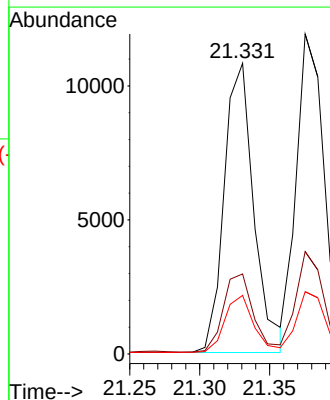
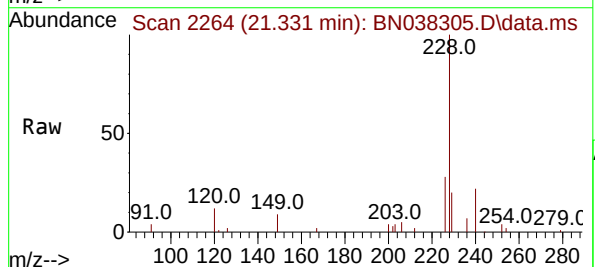
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

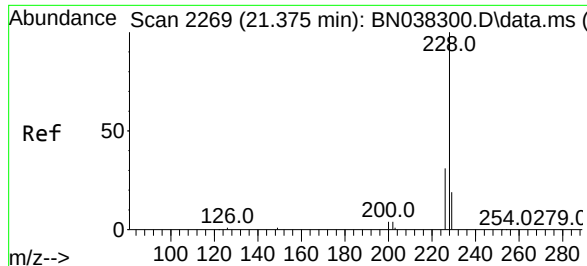
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.9	11.9
122	17.7	15.0	22.6



#32
Benzo(a)anthracene
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	23.3	34.9
229	20.2	15.7	23.5





#33

Chrysene

Concen: 0.397 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025

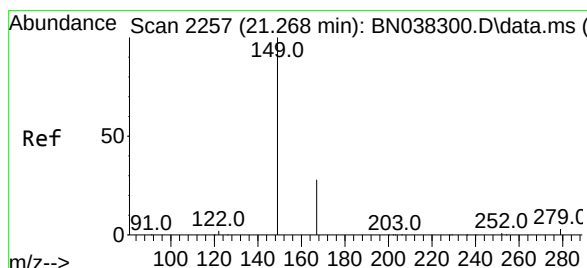
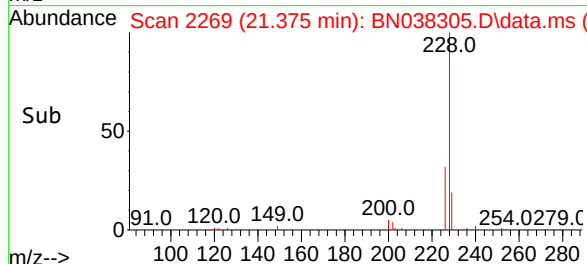
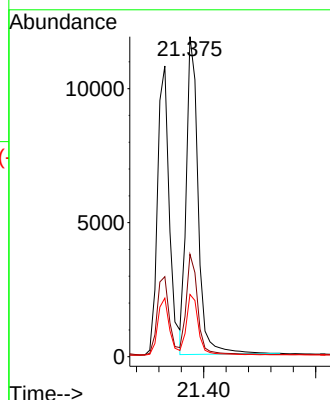
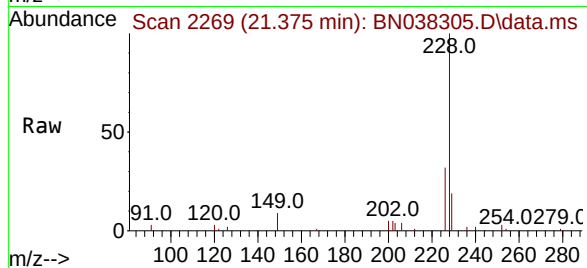
Tgt Ion:228 Resp: 17443

Ion Ratio Lower Upper

228 100

226 32.0 25.0 37.4

229 19.4 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.371 ng

RT: 21.268 min Scan# 2257

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

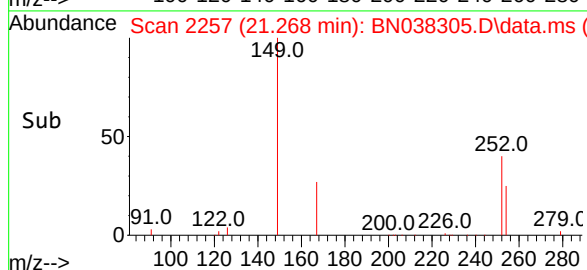
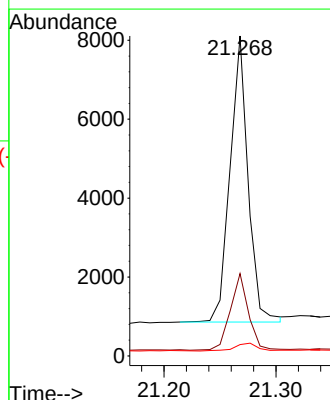
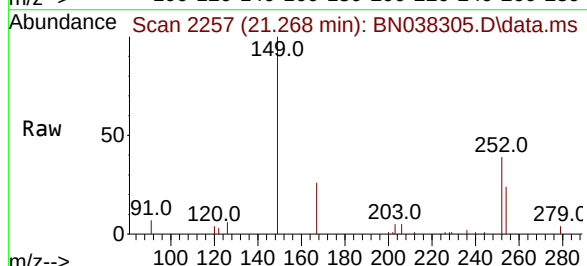
Tgt Ion:149 Resp: 8119

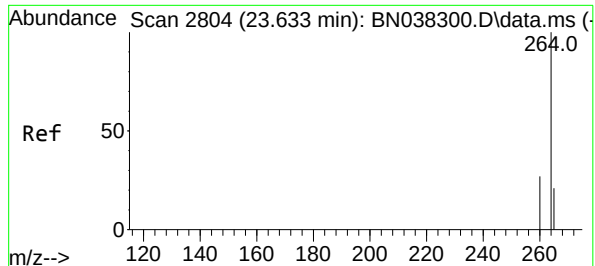
Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

279 3.5 2.4 3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.636 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025

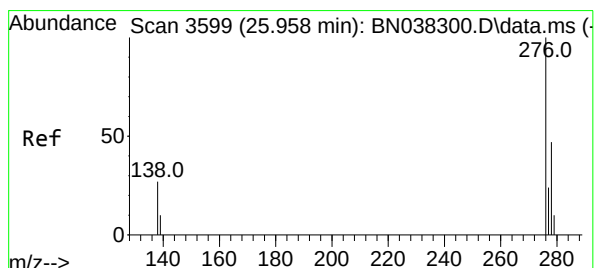
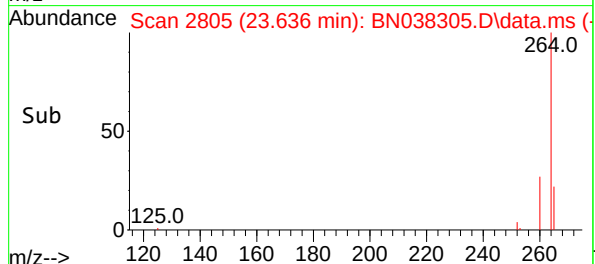
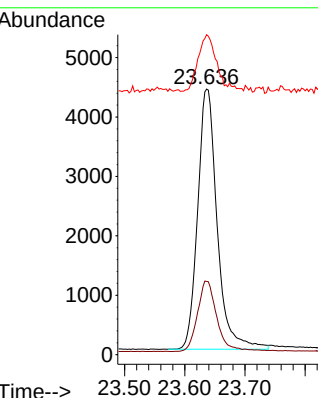
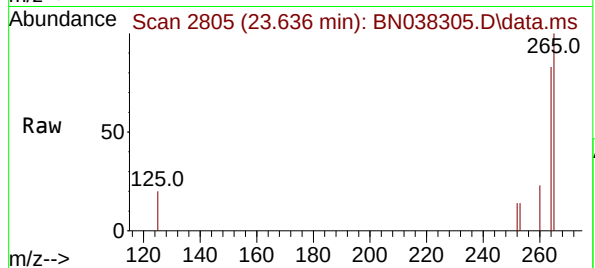
Tgt Ion:264 Resp: 9862

Ion Ratio Lower Upper

264 100

260 27.6 22.2 33.2

265 120.5 80.2 120.2#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.369 ng

RT: 25.966 min Scan# 3602

Delta R.T. 0.003 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

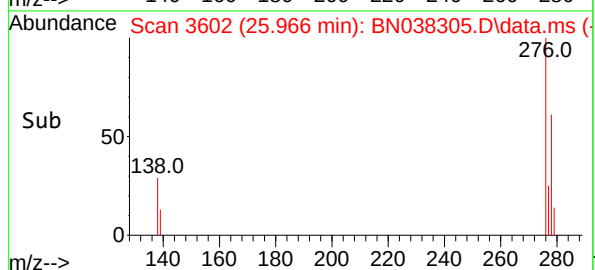
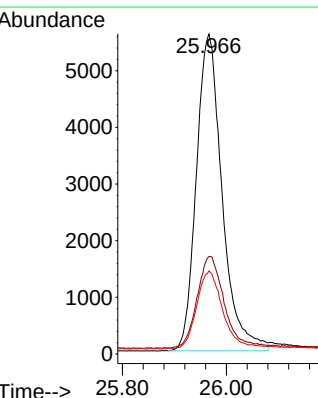
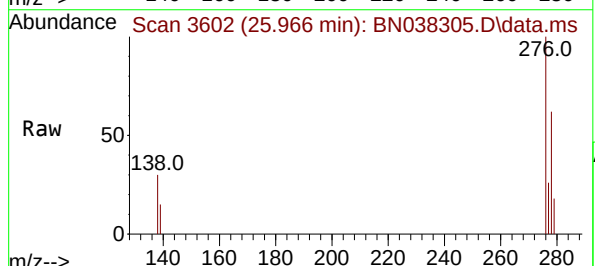
Tgt Ion:276 Resp: 19287

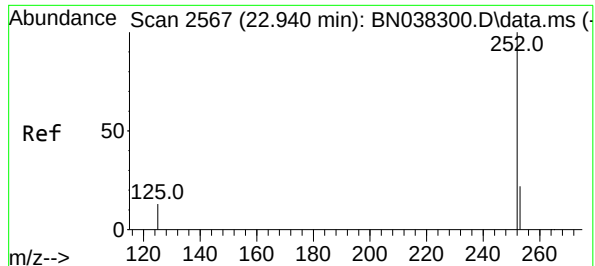
Ion Ratio Lower Upper

276 100

138 30.3 23.6 35.4

277 25.1 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.389 ng

RT: 22.943 min Scan# 2567

Delta R.T. -0.003 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025

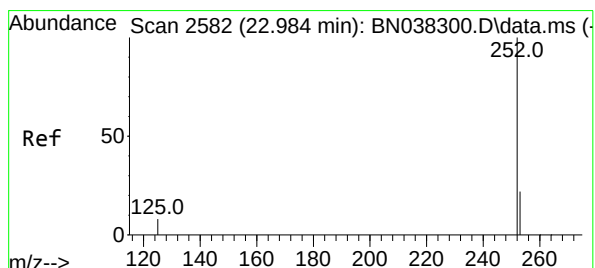
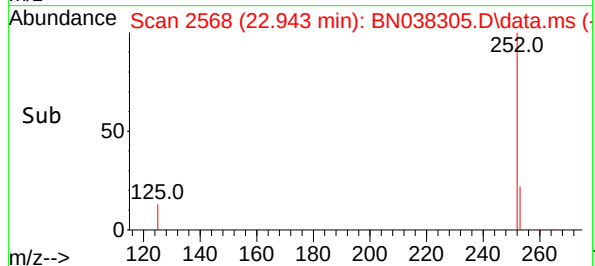
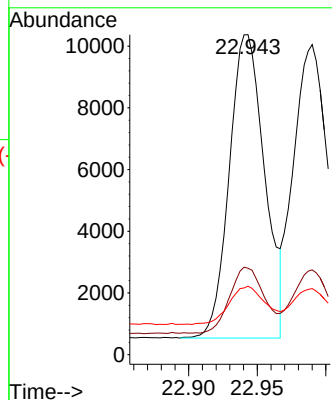
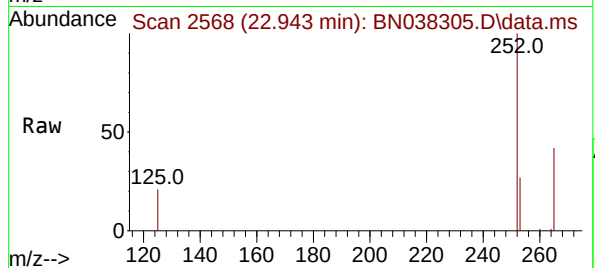
Tgt Ion:252 Resp: 17623

Ion Ratio Lower Upper

252 100

253 27.0 21.1 31.7

125 21.4 16.4 24.6



#38

Benzo(k)fluoranthene

Concen: 0.392 ng

RT: 22.990 min Scan# 2584

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

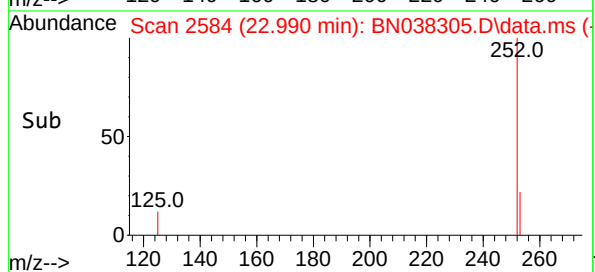
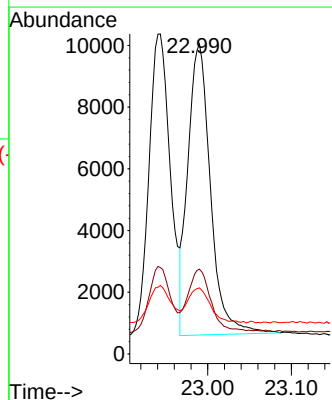
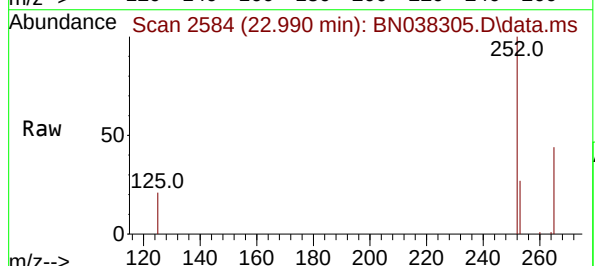
Tgt Ion:252 Resp: 17707

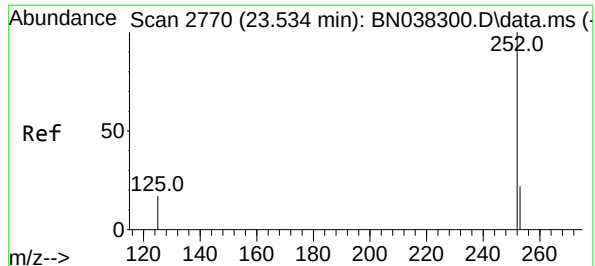
Ion Ratio Lower Upper

252 100

253 27.4 21.4 32.0

125 21.3 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.406 ng

RT: 23.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025

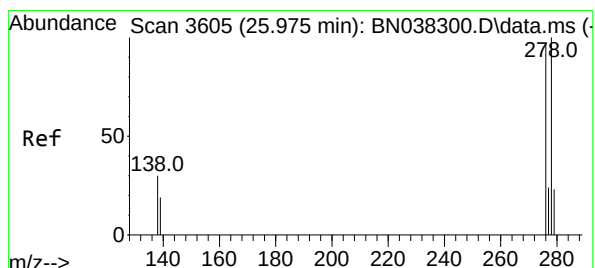
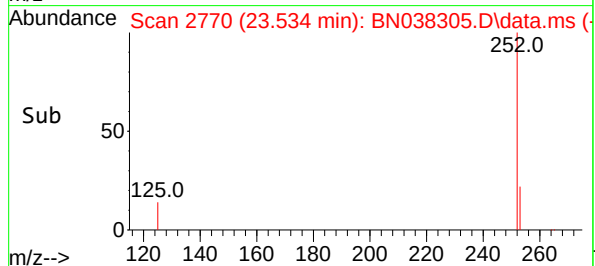
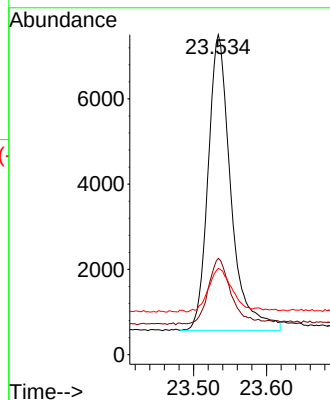
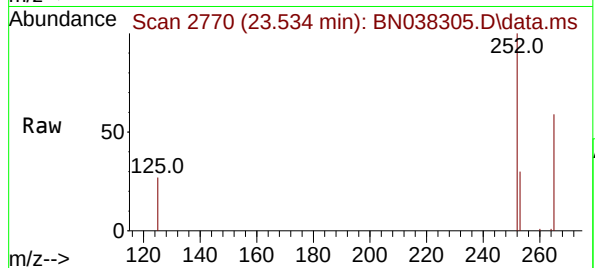
Tgt Ion:252 Resp: 15048

Ion Ratio Lower Upper

252 100

253 30.1 23.3 34.9

125 27.0 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.387 ng

RT: 25.987 min Scan# 3609

Delta R.T. 0.006 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

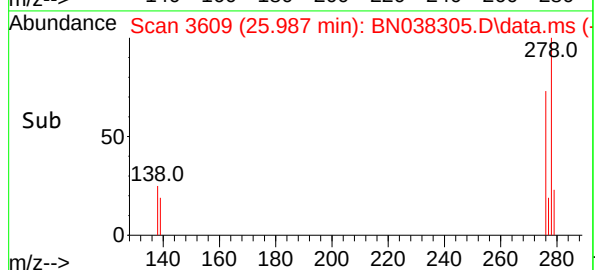
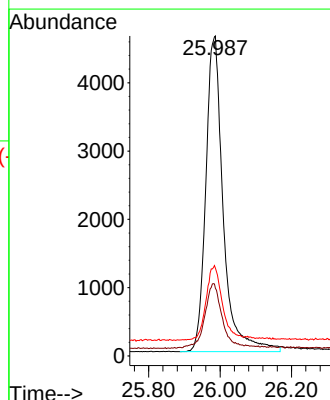
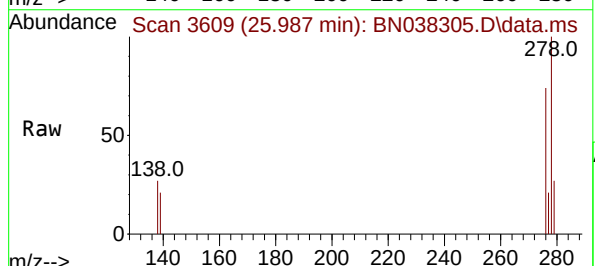
Tgt Ion:278 Resp: 15615

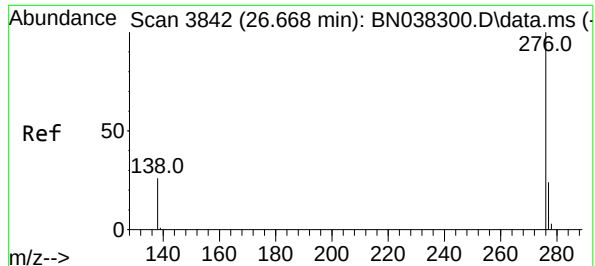
Ion Ratio Lower Upper

278 100

139 21.2 17.8 26.8

279 27.4 21.3 31.9





#41

Benzo(g,h,i)perylene

Concen: 0.377 ng

RT: 26.671 min Scan# 3843

Delta R.T. -0.006 min

Lab File: BN038305.D

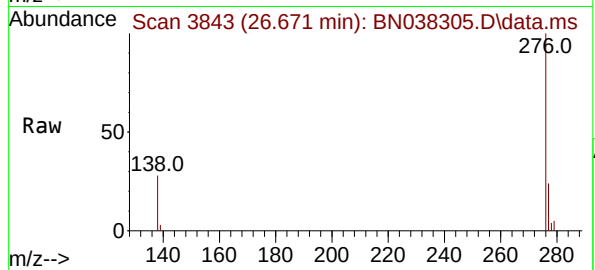
Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025



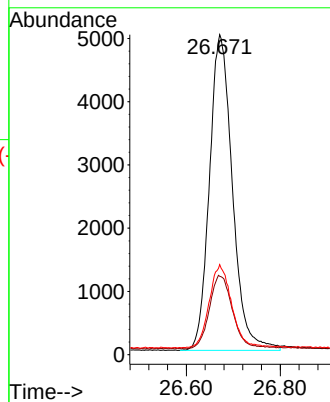
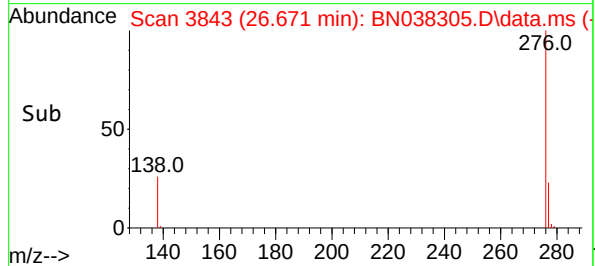
Tgt Ion:276 Resp: 16981

Ion Ratio Lower Upper

276 100

277 24.5 20.0 30.0

138 28.2 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038305.D
 Acq On : 10 Dec 2025 14:06
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN121025

Quant Time: Dec 10 14:34:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 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	88	0.00
2	1,4-Dioxane	0.459	0.507	-10.5	96	0.00
3	n-Nitrosodimethylamine	0.575	0.586	-1.9	90	0.00
4 S	2-Fluorophenol	0.996	0.941	5.5	84	0.00
5 S	Phenol-d6	1.184	1.070	9.6	82	0.00
6	bis(2-Chloroethyl)ether	1.158	1.197	-3.4	91	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	90	0.00
8 S	Nitrobenzene-d5	0.337	0.327	3.0	89	0.00
9	Naphthalene	1.182	1.168	1.2	90	0.00
10	Hexachlorobutadiene	0.210	0.214	-1.9	92	0.00
11 SURR	2-Methylnaphthalene-d10	0.564	0.559	0.9	91	0.00
12	2-Methylnaphthalene	0.751	0.688	8.4	85	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
14 S	2,4,6-Tribromophenol	0.177	0.149	15.8	81	0.00
15 S	2-Fluorobiphenyl	1.927	1.798	6.7	83	0.00
16	Acenaphthylene	1.964	2.136	-8.8	102	0.00
17	Acenaphthene	1.369	1.358	0.8	92	0.00
18	Fluorene	1.761	1.719	2.4	91	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	91	0.00
20	4,6-Dinitro-2-methylphenol	0.066	0.054	18.2	87	0.00
21	4-Bromophenyl-phenylether	0.297	0.284	4.4	90	0.00
22	Hexachlorobenzene	0.357	0.352	1.4	92	0.00
23	Atrazine	0.202	0.190	5.9	91	0.00
24	Pentachlorophenol	0.139	0.103	25.9#	78	0.00
25	Phenanthrene	1.392	1.351	2.9	91	0.00
26	Anthracene	1.200	1.186	1.2	95	0.00
27 SURR	Fluoranthene-d10	0.989	0.970	1.9	90	0.00
28	Fluoranthene	1.480	1.386	6.4	87	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	90	0.00
30	Pyrene	1.969	1.891	4.0	88	0.00
31 S	Terphenyl-d14	0.893	0.881	1.3	90	0.00
32	Benzo(a)anthracene	1.545	1.544	0.1	94	0.00
33	Chrysene	1.701	1.687	0.8	88	0.00
34	Bis(2-ethylhexyl)phthalate	0.848	0.785	7.4	83	0.00
35 I	Perylene-d12	1.000	1.000	0.0	86	0.00
36	Indeno(1,2,3-cd)pyrene	2.123	1.956	7.9	79	0.00
37	Benzo(b)fluoranthene	1.837	1.787	2.7	86	0.00
38	Benzo(k)fluoranthene	1.832	1.795	2.0	86	0.00
39 C	Benzo(a)pyrene	1.503	1.526	-1.5	89	0.00
40	Dibenzo(a,h)anthracene	1.637	1.583	3.3	84	0.00
41	Benzo(g,h,i)perylene	1.829	1.722	5.9	81	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN121025



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3788</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>12/11/2025 11:13</u>
Lab File ID:	<u>BN038311.D</u>	Init. Calib. Date(s):	<u>12/10/2025 12/10/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4</u>	Init. Calib. Time(s):	<u>09:52 13:30</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.564	0.555		-1.6	20.0
Fluoranthene-d10	0.990	0.982		-0.8	20.0
2-Fluorophenol	0.996	0.953		-4.3	20.0
Phenol-d6	1.184	1.124		-5.1	20.0
Nitrobenzene-d5	0.337	0.321		-4.7	20.0
2-Fluorobiphenyl	1.914	1.827		-4.5	20.0
2,4,6-Tribromophenol	0.177	0.162		-8.5	20.0
Terphenyl-d14	0.893	0.857		-4.0	20.0
1,4-Dioxane	0.459	0.465		1.3	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
 Data File : BN038311.D
 Acq On : 11 Dec 2025 11:13
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Dec 11 11:36:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

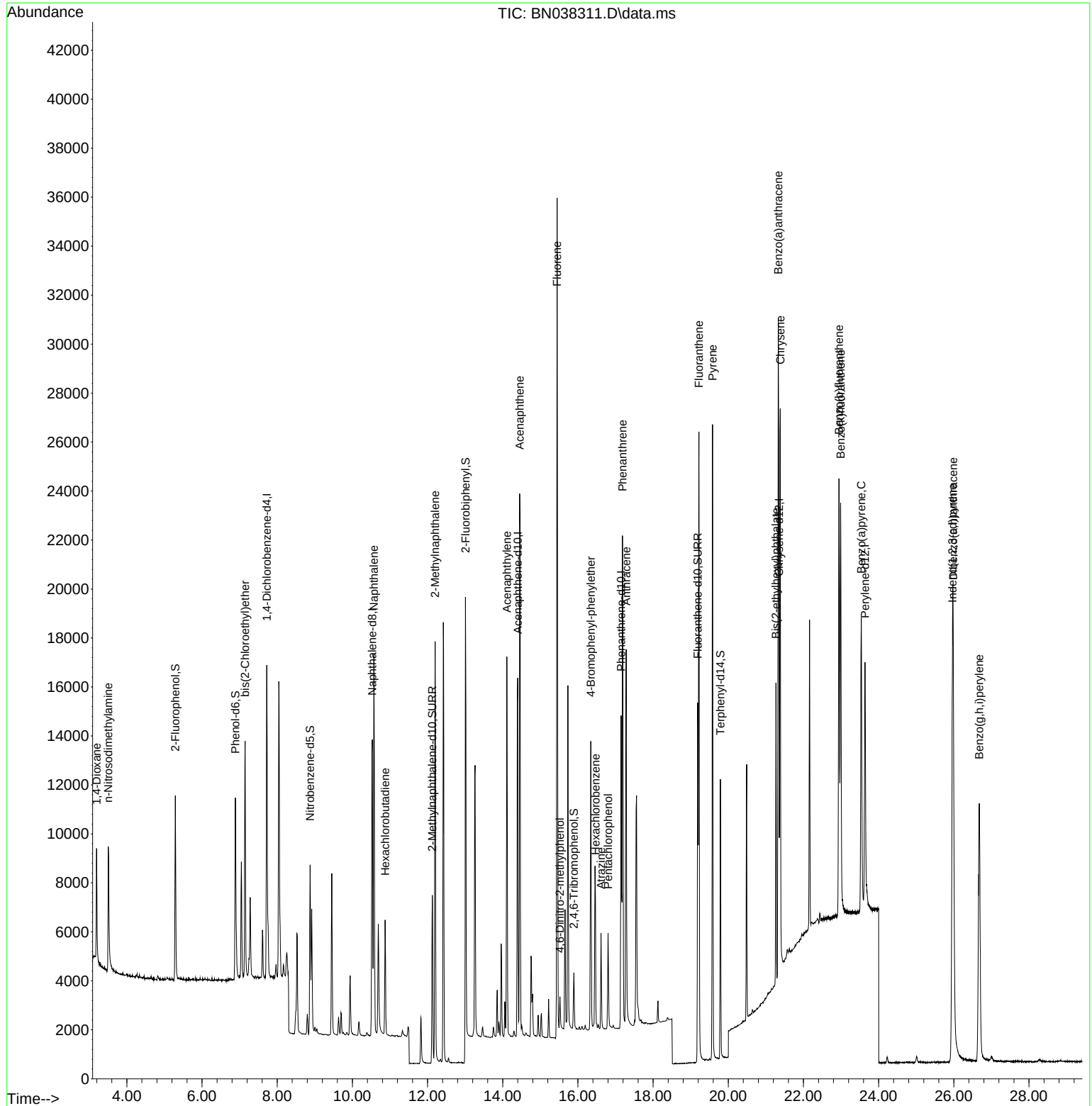
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6458	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	17315	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	8838	0.400	ng	0.00
19) Phenanthrene-d10	17.148	188	16176	0.400	ng	# 0.00
29) Chrysene-d12	21.348	240	12783	0.400	ng	# 0.00
35) Perylene-d12	23.639	264	13576	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	6154	0.383	ng	0.00
5) Phenol-d6	6.887	99	7258	0.380	ng	0.00
8) Nitrobenzene-d5	8.875	82	5564	0.381	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	9617	0.394	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1436	0.366	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	16146	0.379	ng	0.00
27) Fluoranthene-d10	19.187	212	15881	0.397	ng	0.00
31) Terphenyl-d14	19.791	244	10951	0.384	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	3004	0.406	ng	99
3) n-Nitrosodimethylamine	3.507	42	3559	0.383	ng	100
6) bis(2-Chloroethyl)ether	7.147	93	7391	0.395	ng	99
9) Naphthalene	10.573	128	20140	0.393	ng	100
10) Hexachlorobutadiene	10.872	225	3575	0.393	ng	# 100
12) 2-Methylnaphthalene	12.202	142	12700	0.391	ng	100
16) Acenaphthylene	14.110	152	16642	0.383	ng	99
17) Acenaphthene	14.452	154	11776	0.389	ng	99
18) Fluorene	15.446	166	15227	0.391	ng	98
20) 4,6-Dinitro-2-methylph...	15.522	198	882	0.331	ng	97
21) 4-Bromophenyl-phenylether	16.342	248	4654	0.388	ng	# 93
22) Hexachlorobenzene	16.466	284	5702	0.395	ng	100
23) Atrazine	16.615	200	3086	0.377	ng	97
24) Pentachlorophenol	16.801	266	2015	0.358	ng	100
25) Phenanthrene	17.186	178	22009	0.391	ng	100
26) Anthracene	17.285	178	18504	0.381	ng	100
28) Fluoranthene	19.220	202	23378	0.391	ng	99
30) Pyrene	19.582	202	23678	0.376	ng	100
32) Benzo(a)anthracene	21.331	228	19573	0.396	ng	97
33) Chrysene	21.384	228	21472	0.395	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	10421	0.385	ng	100
36) Indeno(1,2,3-cd)pyrene	25.963	276	26966	0.374	ng	99
37) Benzo(b)fluoranthene	22.943	252	22763	0.365	ng	98
38) Benzo(k)fluoranthene	22.990	252	23118	0.372	ng	99
39) Benzo(a)pyrene	23.537	252	18895	0.370	ng	96
40) Dibenzo(a,h)anthracene	25.984	278	20798	0.374	ng	99
41) Benzo(g,h,i)perylene	26.677	276	22937	0.369	ng	99

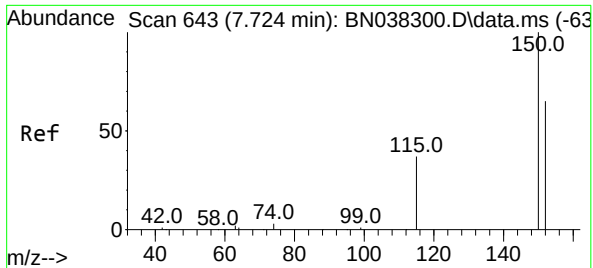
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Acq On : 11 Dec 2025 11:13
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 11 11:36:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

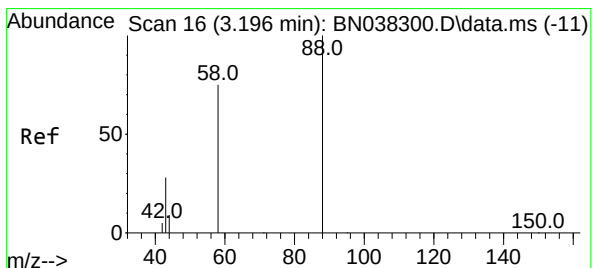
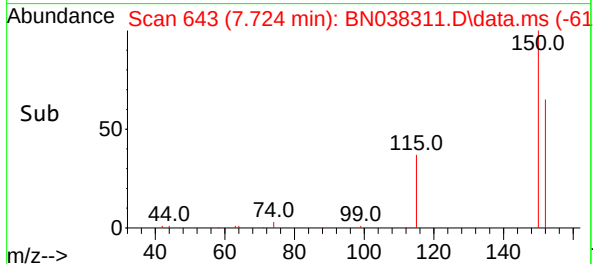
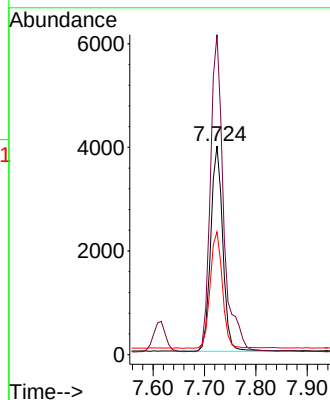
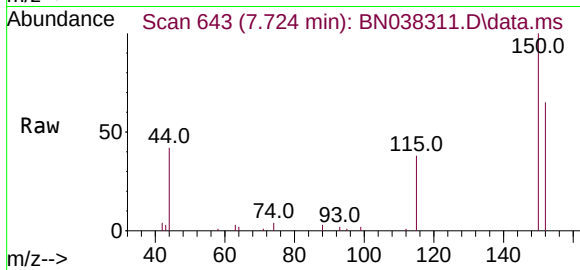




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

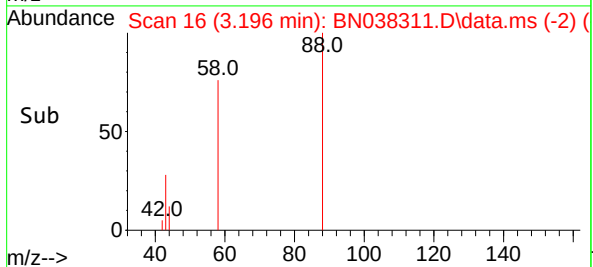
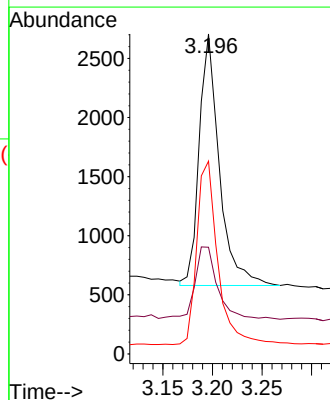
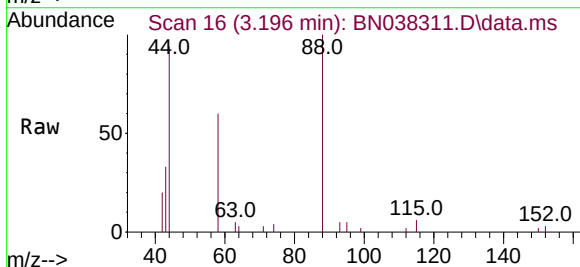
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

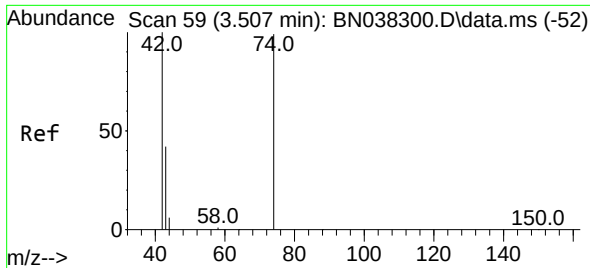
Tgt Ion:152 Resp: 6458
Ion Ratio Lower Upper
152 100
150 153.4 122.4 183.6
115 58.9 47.3 70.9



#2
1,4-Dioxane
Concen: 0.406 ng
RT: 3.196 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion: 88 Resp: 3004
Ion Ratio Lower Upper
88 100
43 32.3 24.9 37.3
58 76.0 61.4 92.0

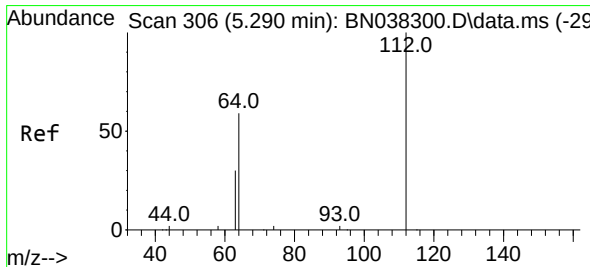
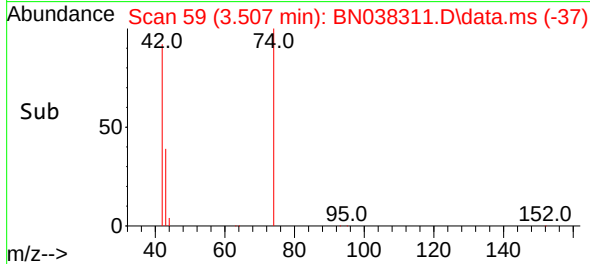
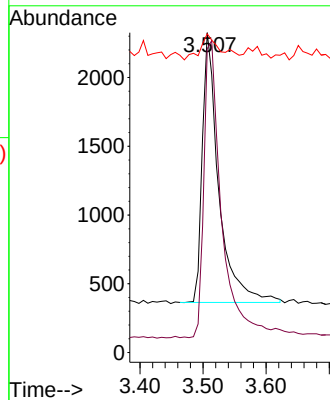
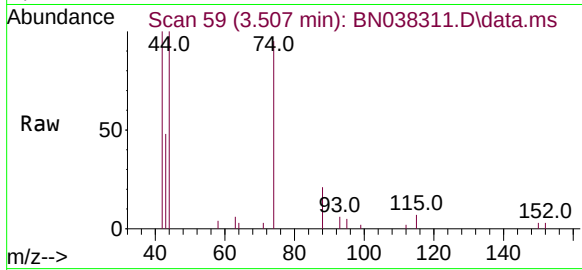




#3
n-Nitrosodimethylamine
Concen: 0.383 ng
RT: 3.507 min Scan# 59
Delta R.T. 0.007 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

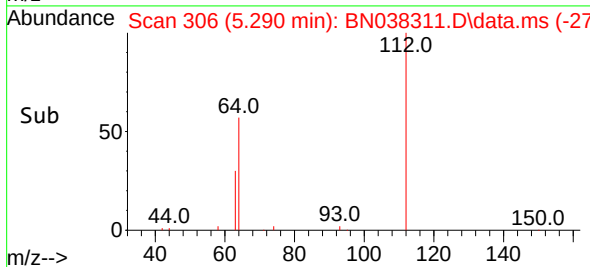
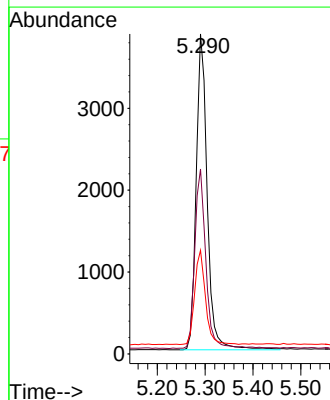
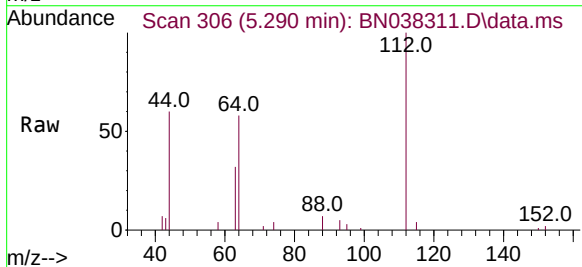
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

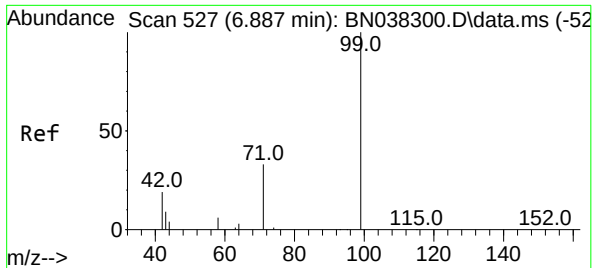
Tgt Ion:	42	Resp:	3559
Ion	Ratio	Lower	Upper
42	100		
74	119.5	95.3	142.9
44	9.5	7.9	11.9



#4
2-Fluorophenol
Concen: 0.383 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion:	112	Resp:	6154
Ion	Ratio	Lower	Upper
112	100		
64	57.2	44.4	66.6
63	29.2	23.4	35.0

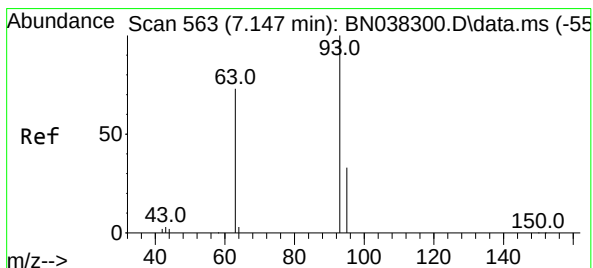
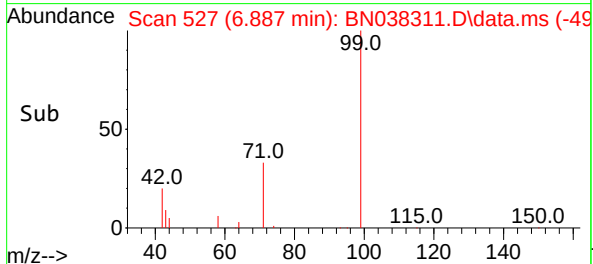
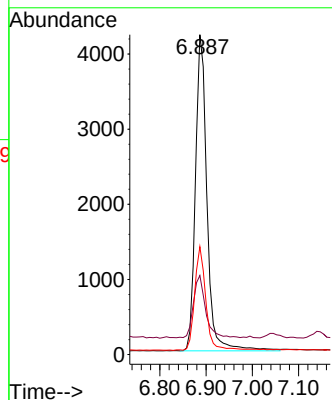
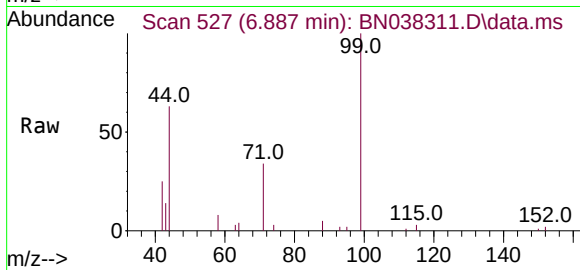




#5
Phenol-d6
Concen: 0.380 ng
RT: 6.887 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

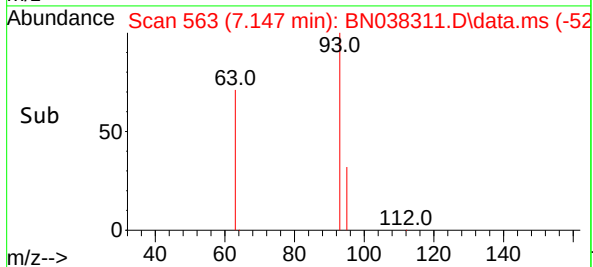
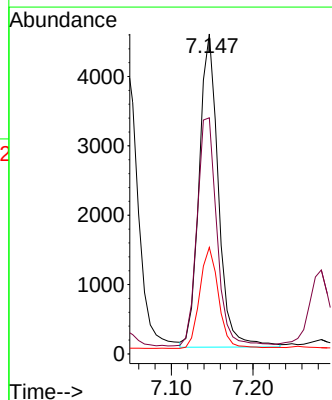
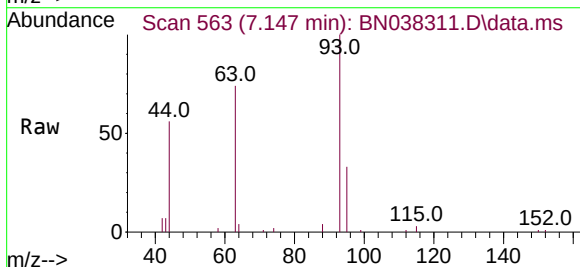
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

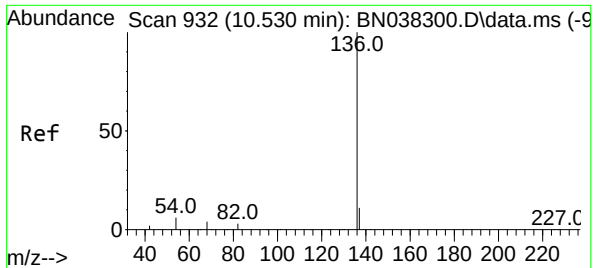
Tgt Ion: 99 Resp: 7258
Ion Ratio Lower Upper
99 100
42 20.5 16.5 24.7
71 32.0 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 0.395 ng
RT: 7.147 min Scan# 563
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion: 93 Resp: 7391
Ion Ratio Lower Upper
93 100
63 75.2 59.2 88.8
95 31.5 25.2 37.8

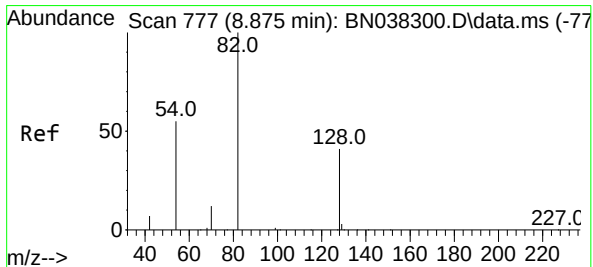
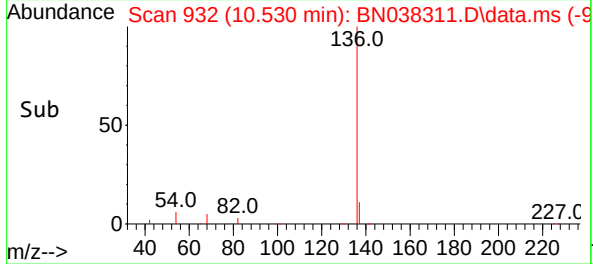
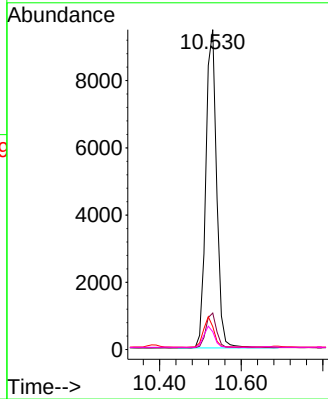
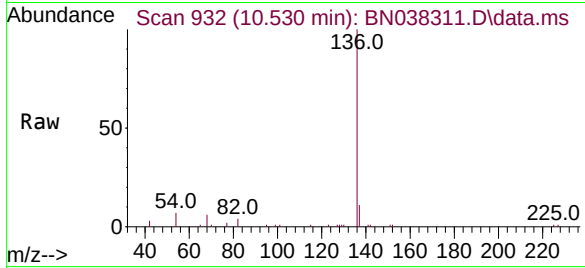




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

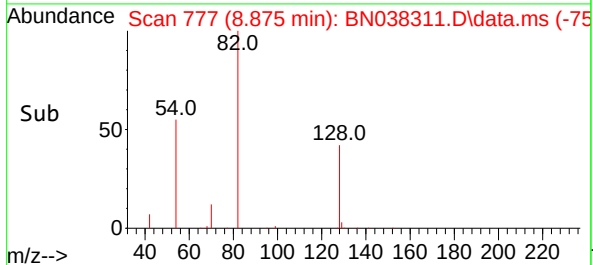
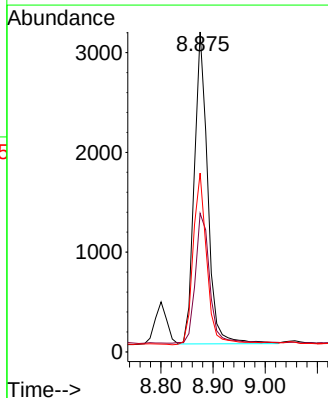
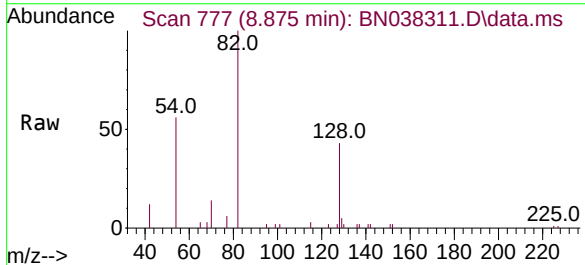
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

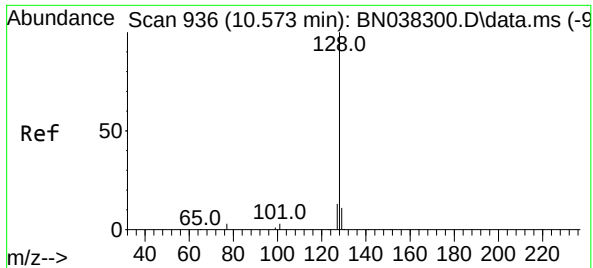
Tgt Ion:	136	Resp:	17315
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.2	5.2	7.8
68	5.6	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.381 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion:	82	Resp:	5564
Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.0	51.0
54	55.9	44.4	66.6

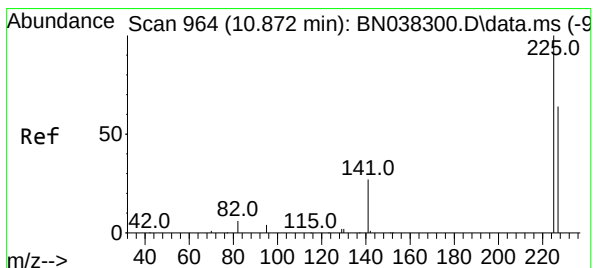
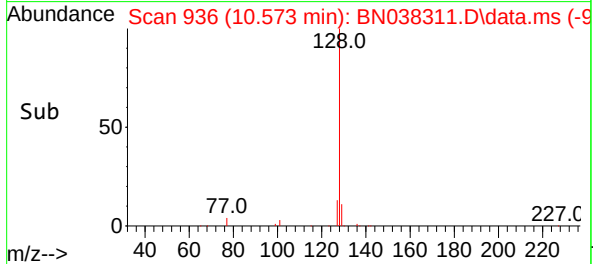
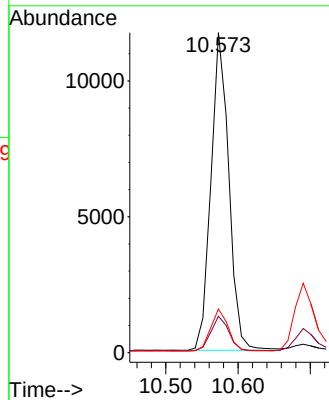
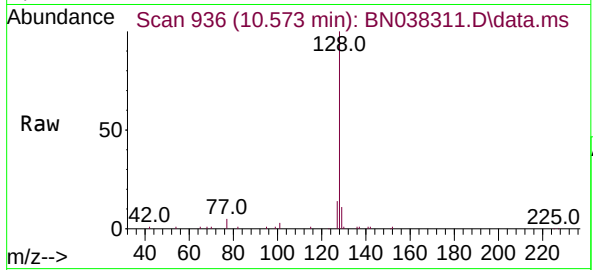




#9
Naphthalene
Concen: 0.393 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

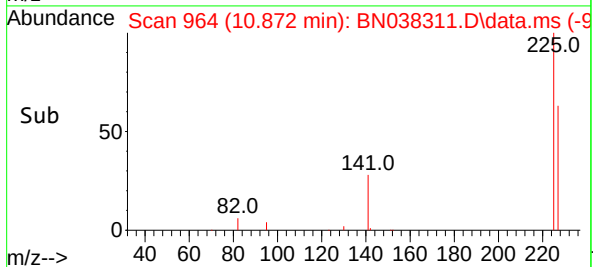
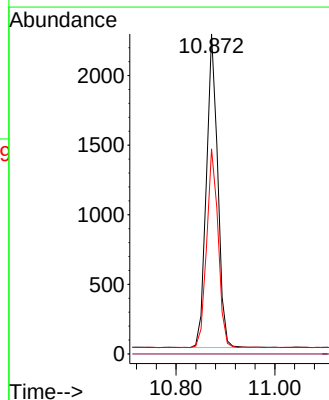
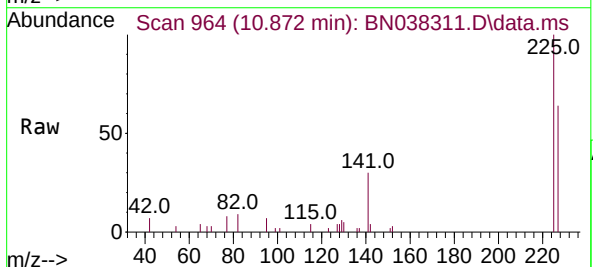
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

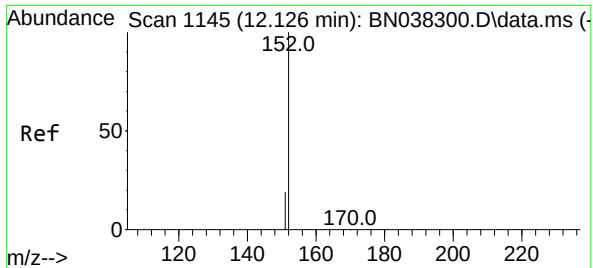
Tgt Ion:	128	Resp:	20140
Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.6	10.9	16.3



#10
Hexachlorobutadiene
Concen: 0.393 ng
RT: 10.872 min Scan# 964
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion:	225	Resp:	3575
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.2	76.8

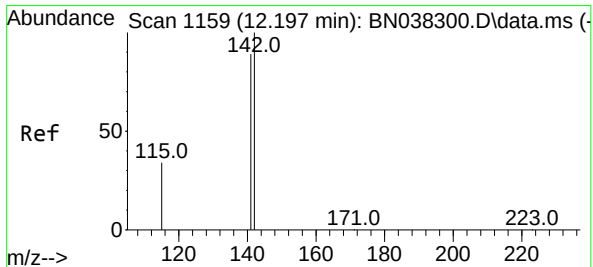
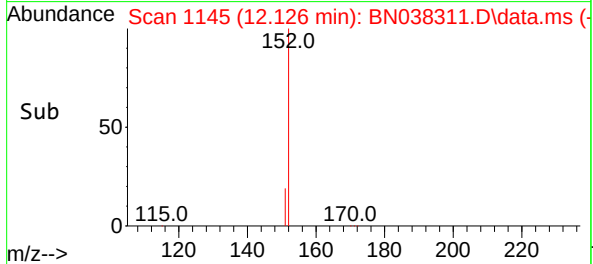
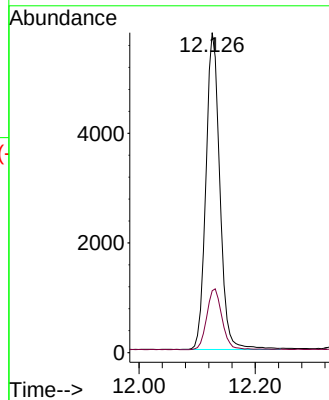
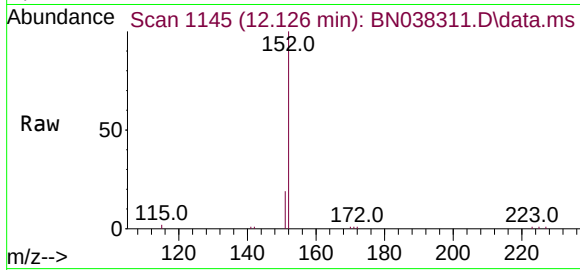




#11
2-Methylnaphthalene-d10
Concen: 0.394 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

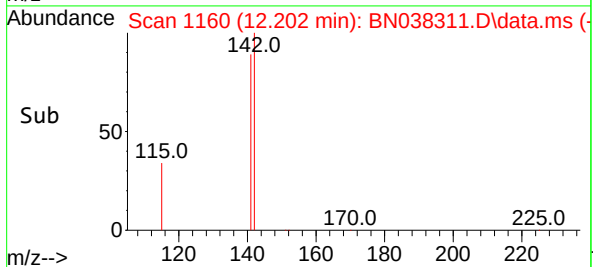
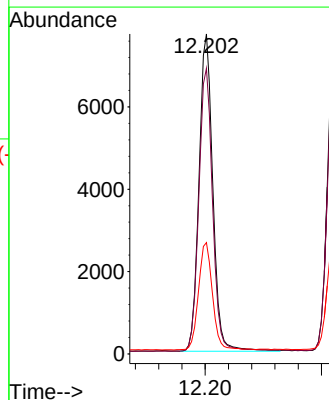
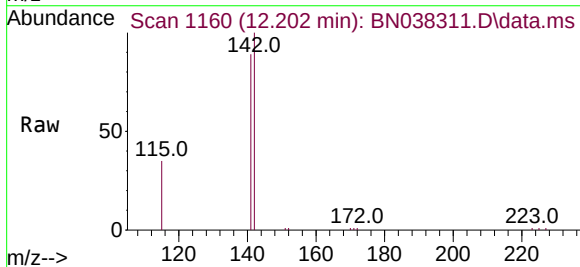
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

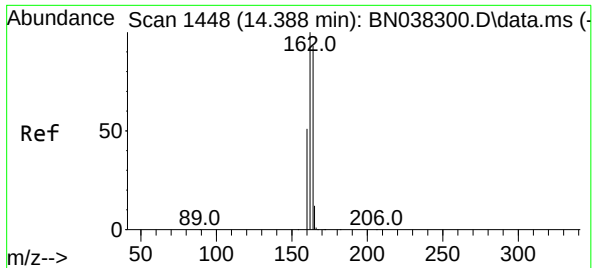
Tgt Ion:152 Resp: 9617
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.391 ng
RT: 12.202 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion:142 Resp: 12700
Ion Ratio Lower Upper
142 100
141 89.2 71.4 107.2
115 34.8 28.4 42.6

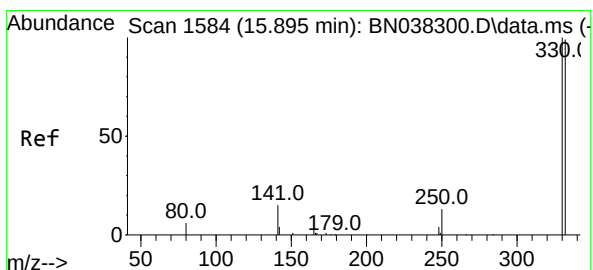
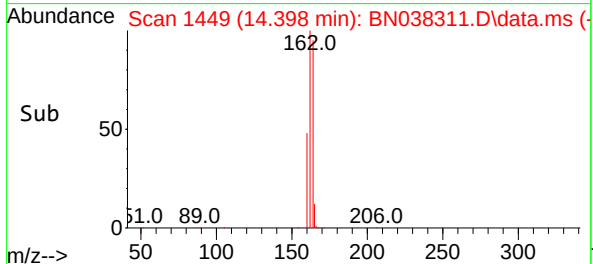
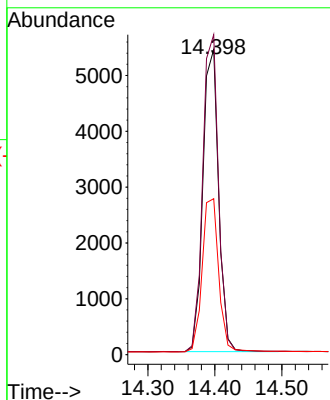
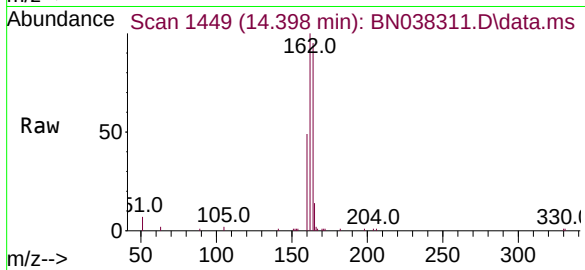




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

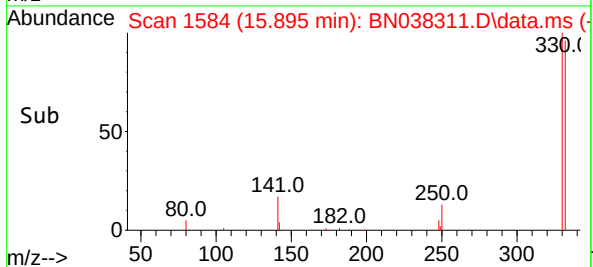
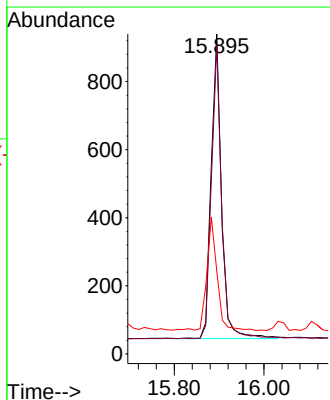
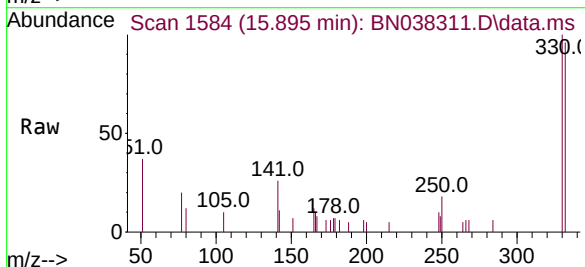
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

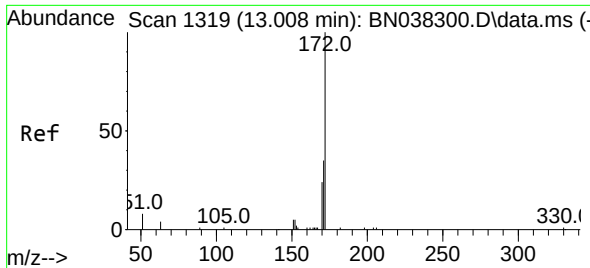
Tgt Ion:164 Resp: 8838
Ion Ratio Lower Upper
164 100
162 104.8 86.2 129.4
160 51.1 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.366 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion:330 Resp: 1436
Ion Ratio Lower Upper
330 100
332 95.8 75.8 113.6
141 37.0 31.8 47.8

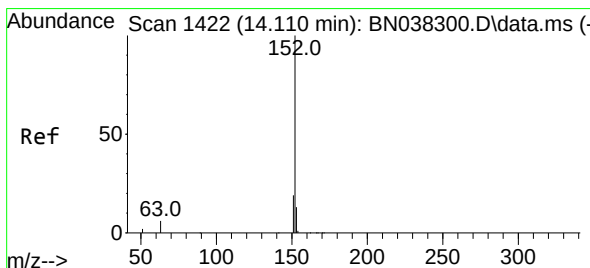
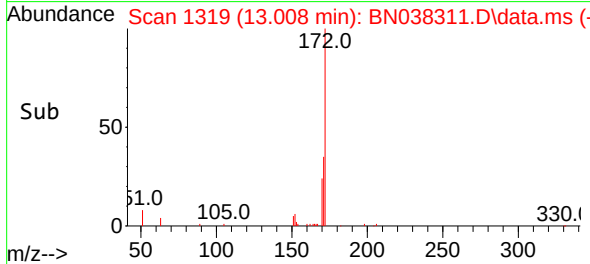
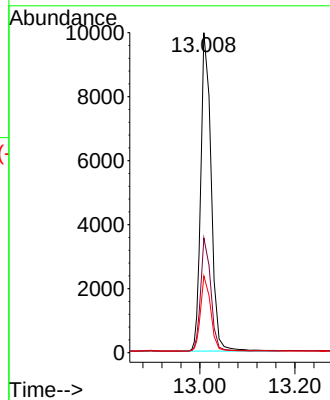
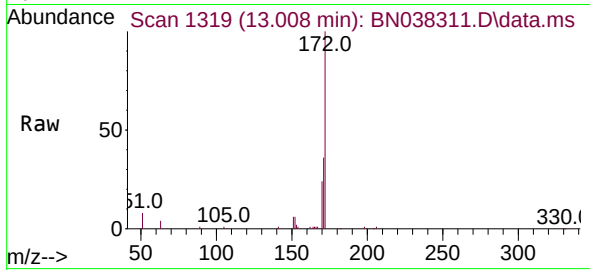




#15
2-Fluorobiphenyl
Concen: 0.379 ng
RT: 13.008 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

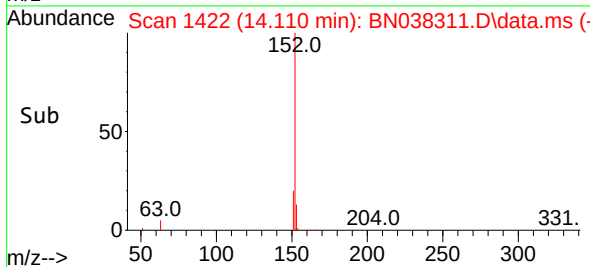
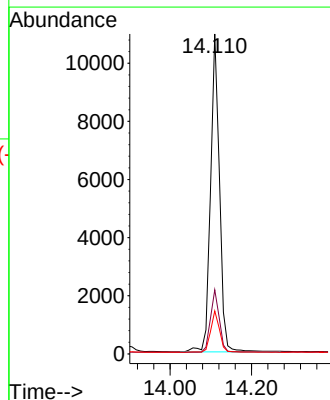
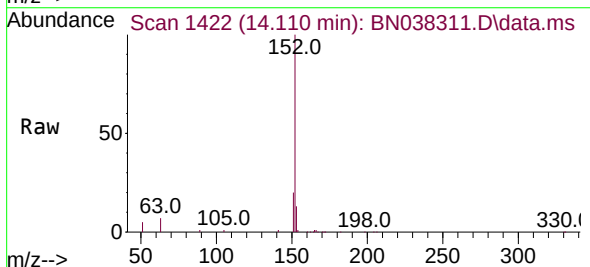
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

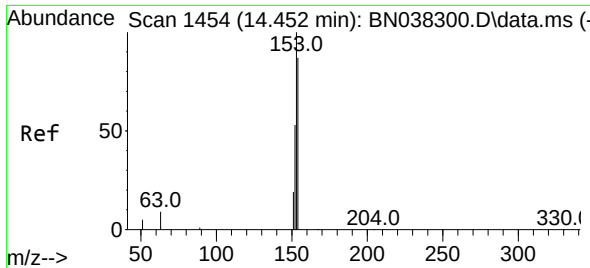
Tgt Ion:	172	Resp:	16146
Ion Ratio	Lower	Upper	
172	100		
171	35.8	28.6	42.8
170	24.0	19.3	28.9



#16
Acenaphthylene
Concen: 0.383 ng
RT: 14.110 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion:	152	Resp:	16642
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.4	23.2
153	12.9	10.2	15.4

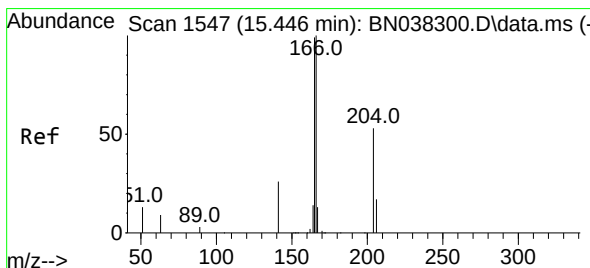
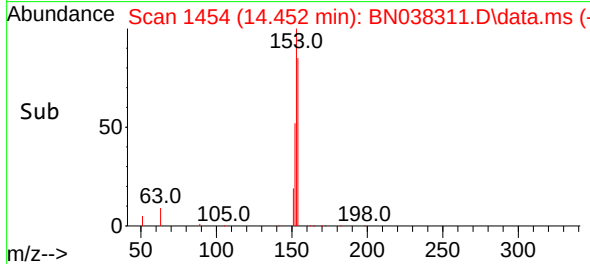
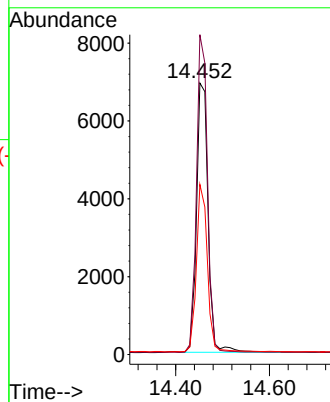
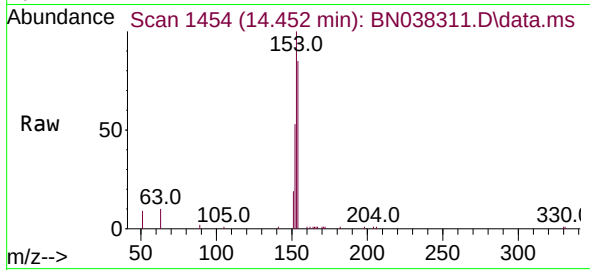




#17
Acenaphthene
Concen: 0.389 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

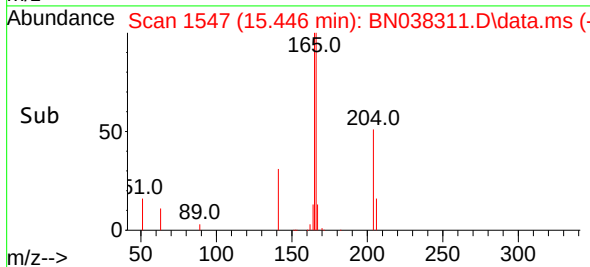
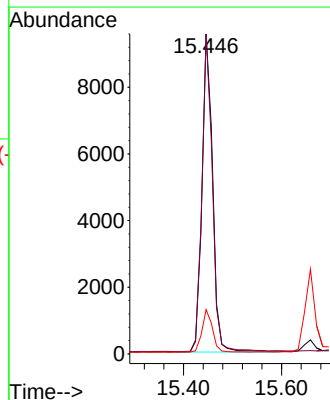
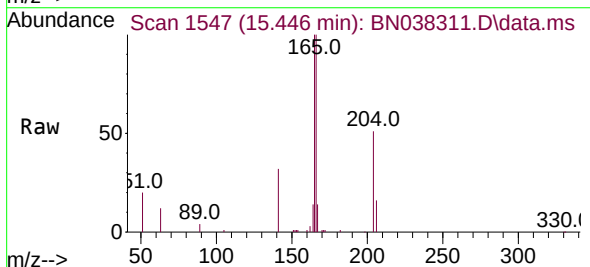
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

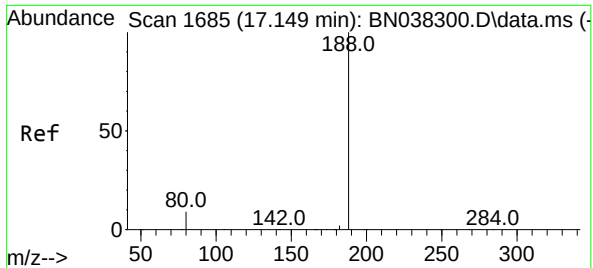
Tgt Ion:154 Resp: 11776
Ion Ratio Lower Upper
154 100
153 112.8 89.8 134.8
152 59.0 47.5 71.3



#18
Fluorene
Concen: 0.391 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion:166 Resp: 15227
Ion Ratio Lower Upper
166 100
165 98.2 80.2 120.4
167 12.7 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1685

Delta R.T. -0.000 min

Lab File: BN038311.D

Acq: 11 Dec 2025 11:13

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

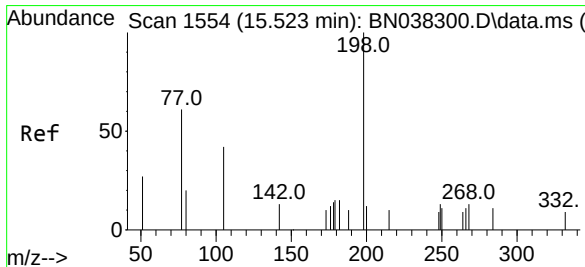
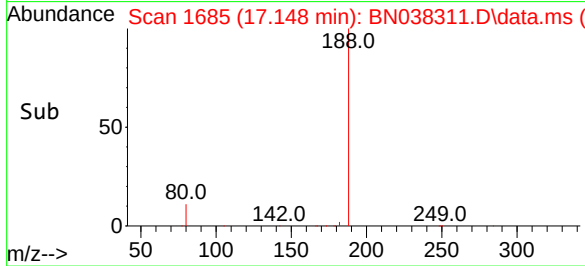
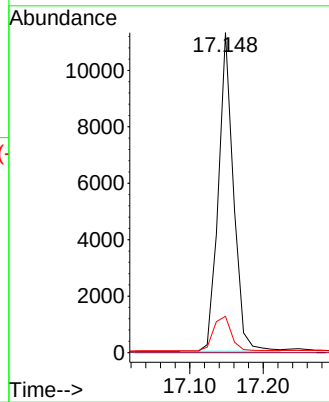
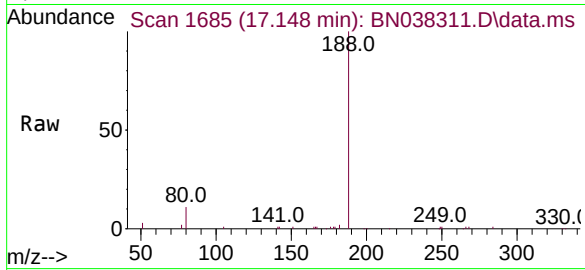
Tgt Ion:188 Resp: 16176

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.3 7.4 11.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.331 ng

RT: 15.522 min Scan# 1554

Delta R.T. 0.000 min

Lab File: BN038311.D

Acq: 11 Dec 2025 11:13

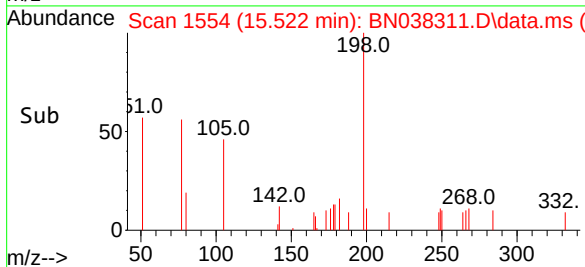
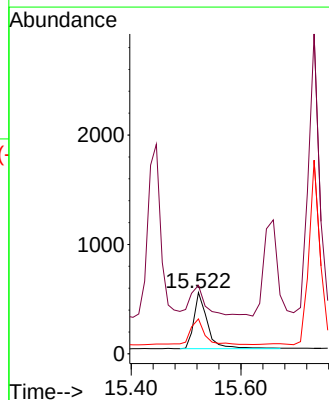
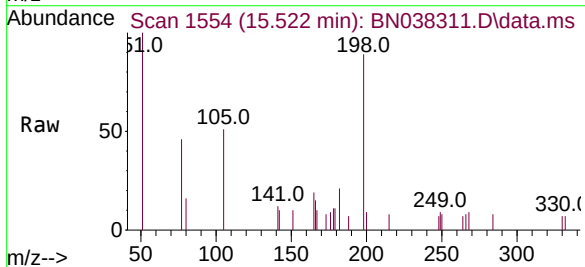
Tgt Ion:198 Resp: 882

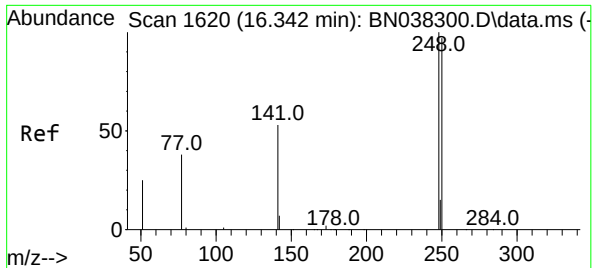
Ion Ratio Lower Upper

198 100

51 111.8 86.3 129.5

105 56.9 45.3 67.9

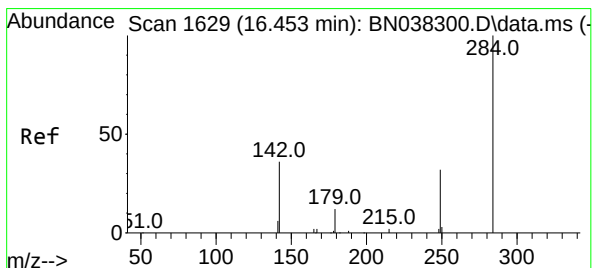
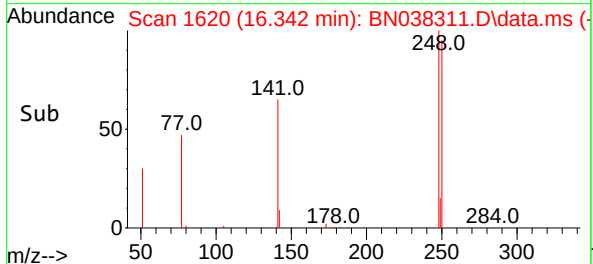
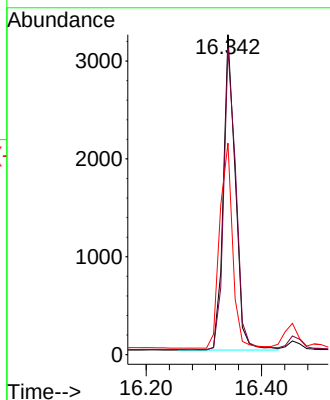
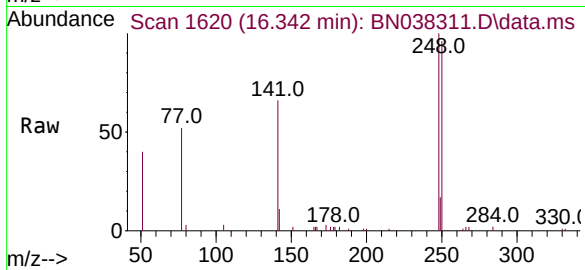




#21
4-Bromophenyl-phenylether
Concen: 0.388 ng
RT: 16.342 min Scan# 1630
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

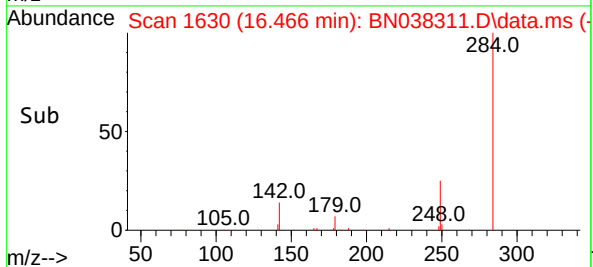
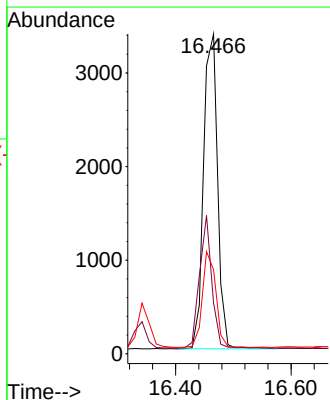
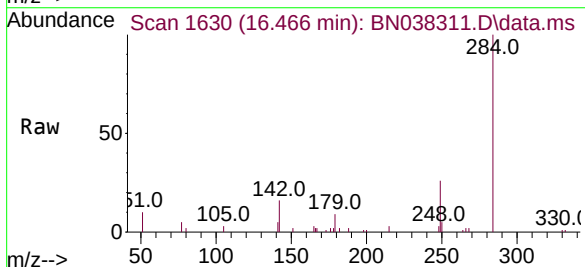
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

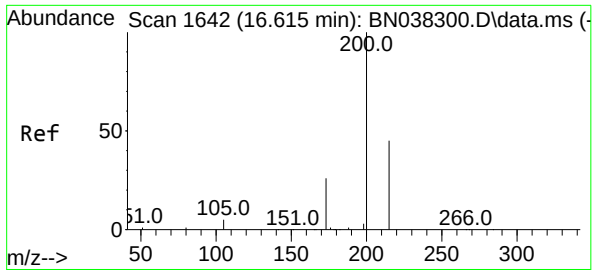
Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.6	78.2	117.2
141	66.1	43.7	65.5



#22
Hexachlorobenzene
Concen: 0.395 ng
RT: 16.466 min Scan# 1630
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.0	29.5	44.3
249	29.3	23.7	35.5

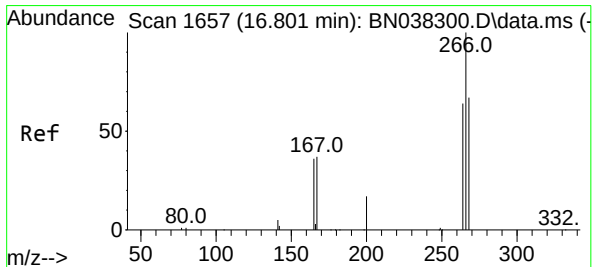
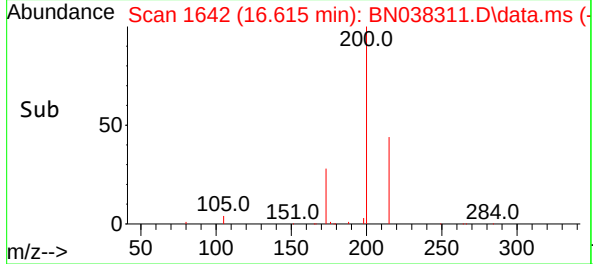
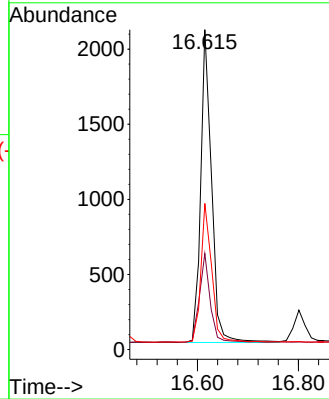
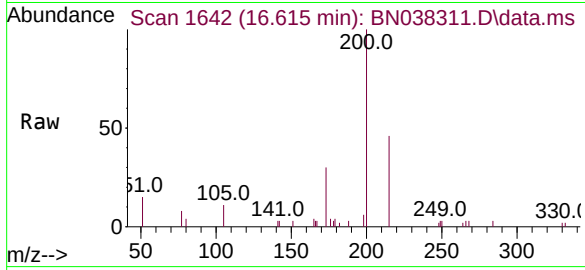




#23
Atrazine
Concen: 0.377 ng
RT: 16.615 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

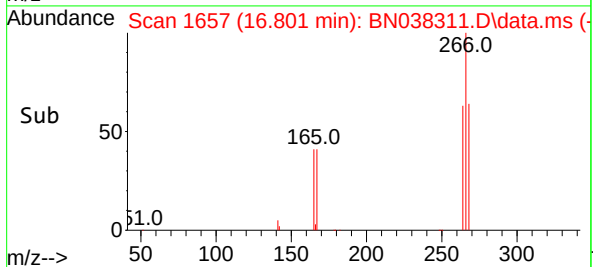
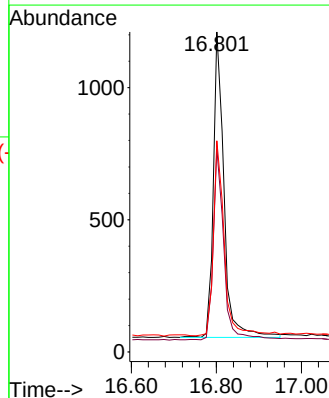
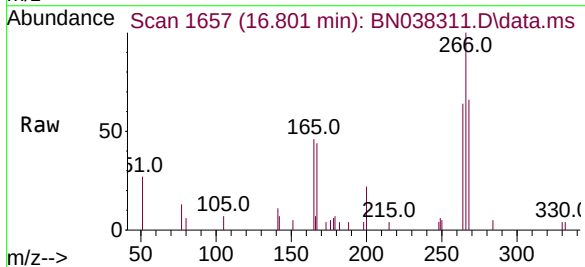
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

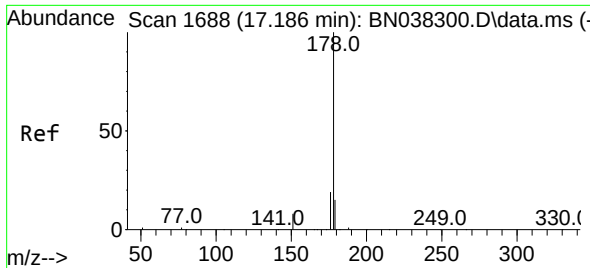
Tgt Ion	Ratio	Lower	Upper
200	100		
173	30.0	22.1	33.1
215	45.7	37.4	56.2



#24
Pentachlorophenol
Concen: 0.358 ng
RT: 16.801 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.7	50.2	75.2
268	65.4	52.6	78.8

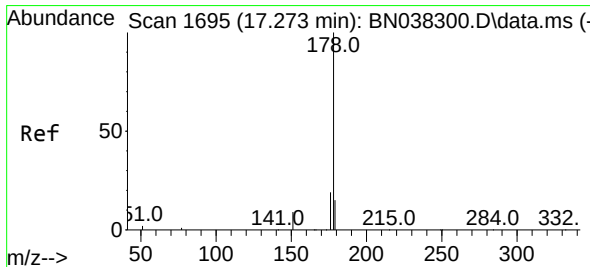
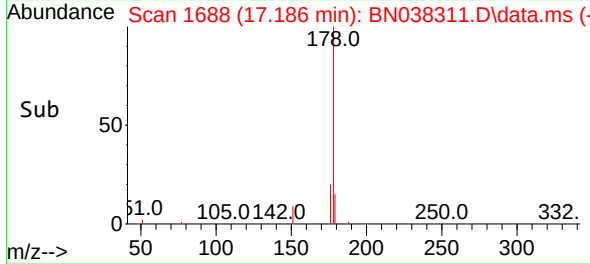
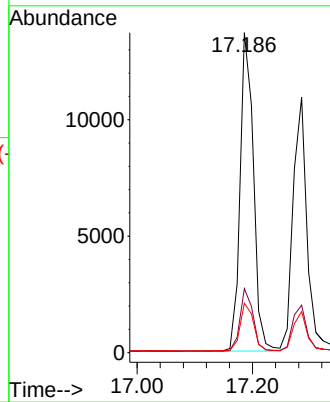
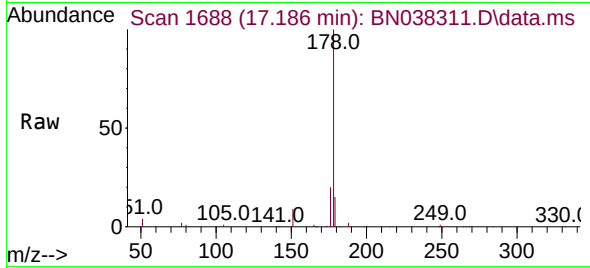




#25
Phenanthrene
Concen: 0.391 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

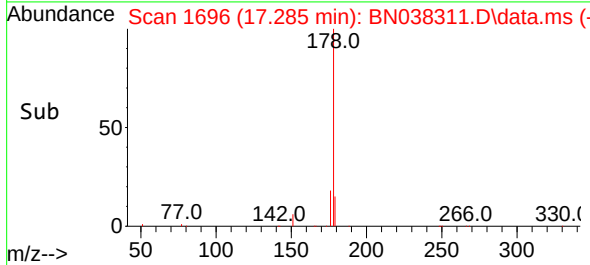
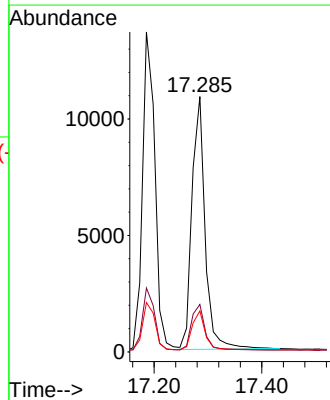
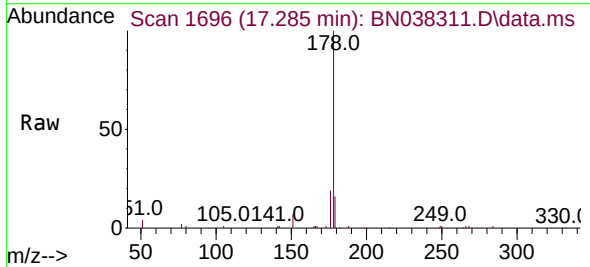
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

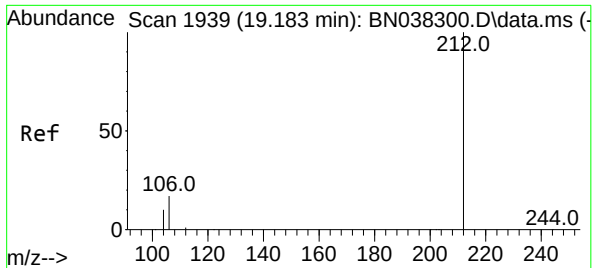
Tgt Ion:178 Resp: 22009
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.2 12.2 18.2



#26
Anthracene
Concen: 0.381 ng
RT: 17.285 min Scan# 1696
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion:178 Resp: 18504
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.3 12.0 18.0

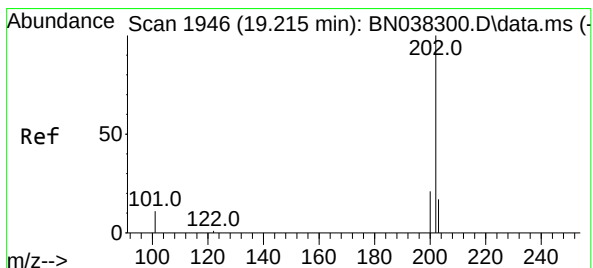
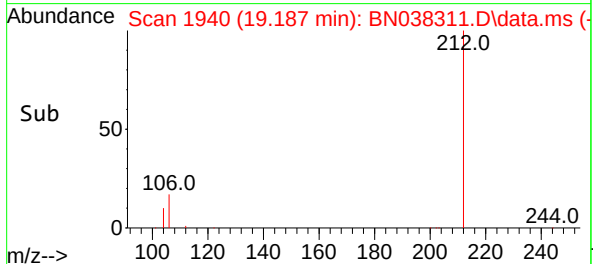
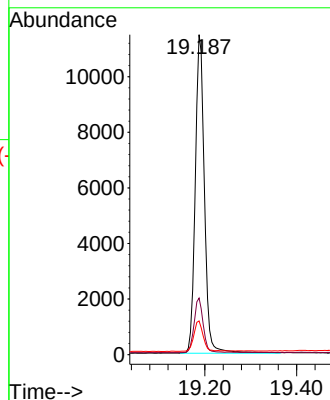
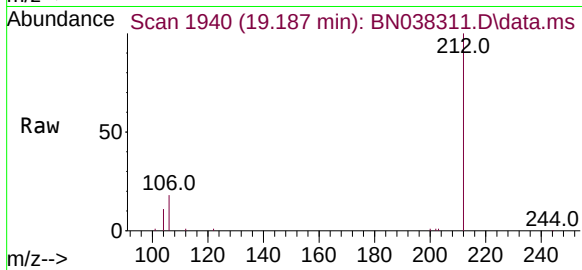




#27
Fluoranthene-d10
Concen: 0.397 ng
RT: 19.187 min Scan# 1939
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

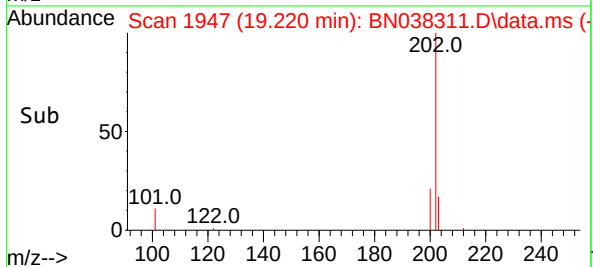
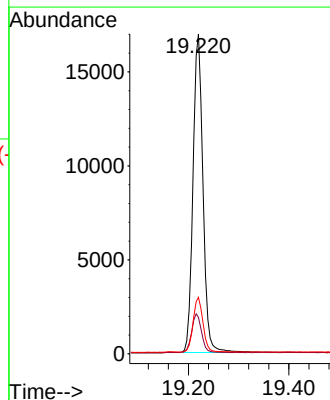
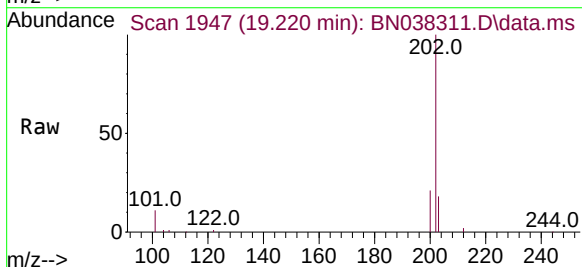
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

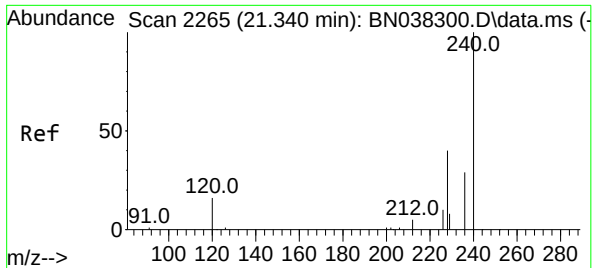
Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.9	13.7	20.5
104	9.7	7.8	11.8



#28
Fluoranthene
Concen: 0.391 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.6	14.4
203	17.0	13.5	20.3

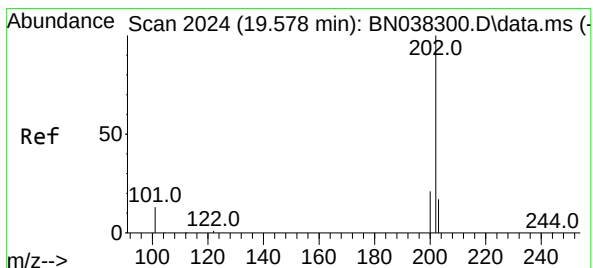
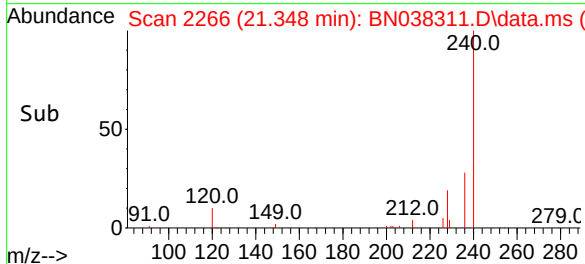
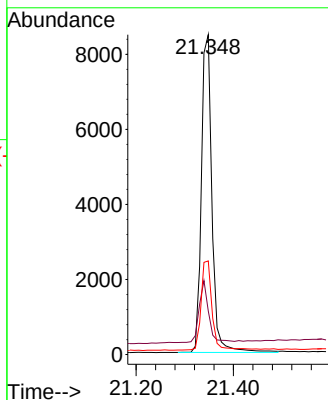
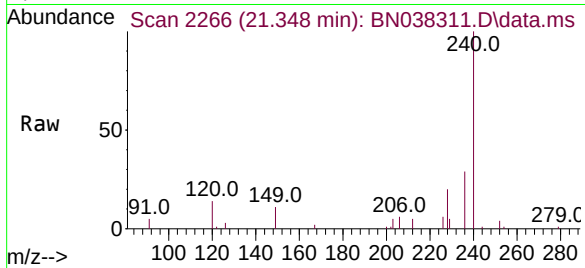




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.348 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

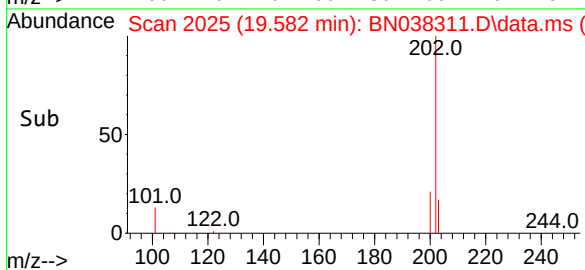
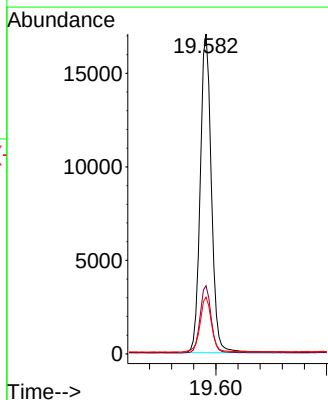
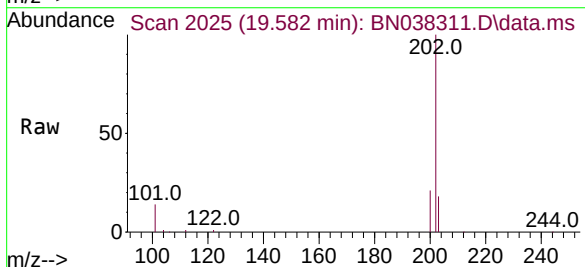
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

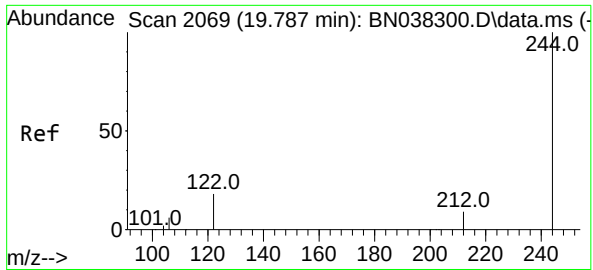
Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.6	15.4	23.2#
236	29.3	23.9	35.9



#30
Pyrene
Concen: 0.376 ng
RT: 19.582 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.8	14.2	21.2

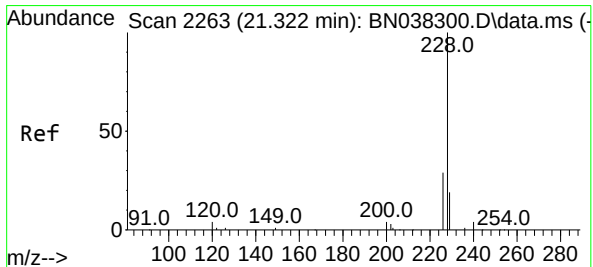
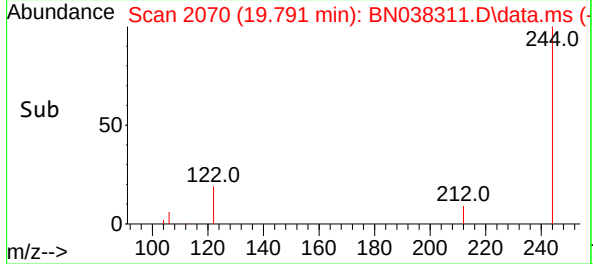
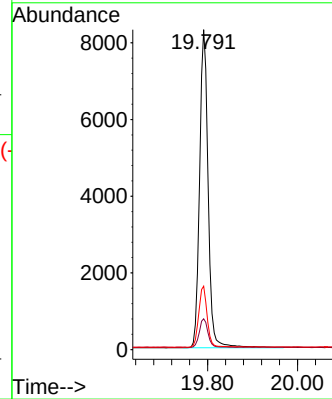
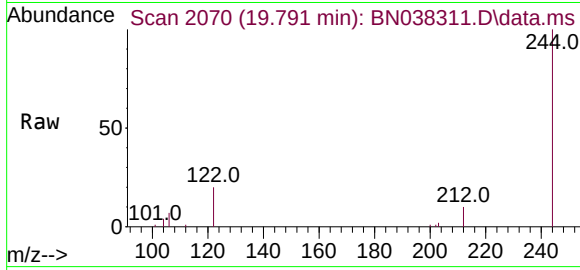




#31
Terphenyl-d14
Concen: 0.384 ng
RT: 19.791 min Scan# 2069
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

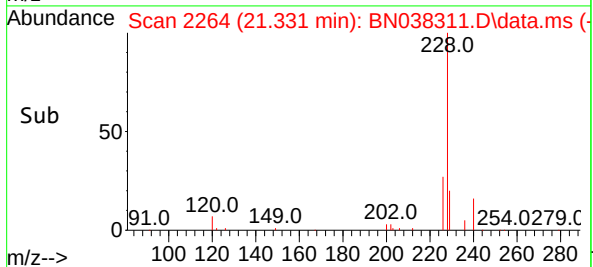
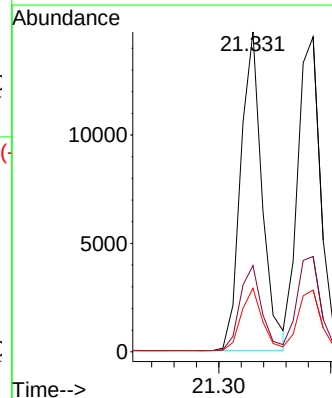
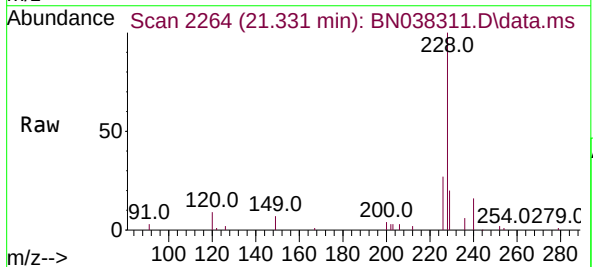
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

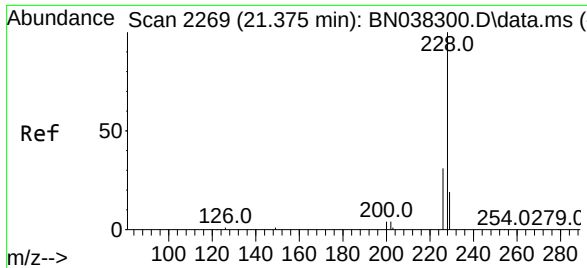
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.9	11.9
122	19.8	15.0	22.6



#32
Benzo(a)anthracene
Concen: 0.396 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	23.3	34.9
229	19.9	15.7	23.5





#33

Chrysene

Concen: 0.395 ng

RT: 21.384 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN038311.D

Acq: 11 Dec 2025 11:13

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

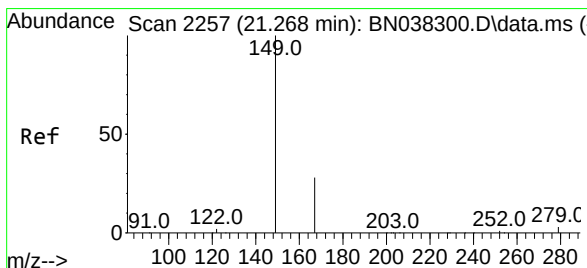
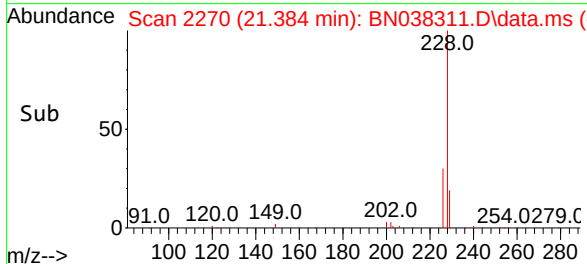
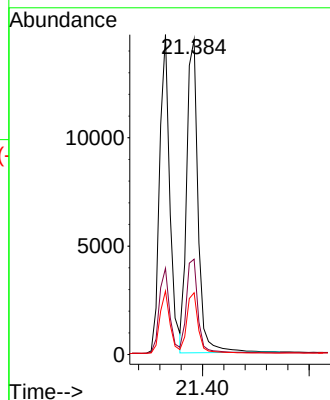
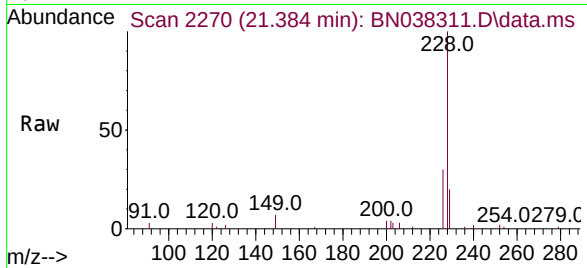
Tgt Ion:228 Resp: 21472

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.4

229 19.6 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.385 ng

RT: 21.268 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BN038311.D

Acq: 11 Dec 2025 11:13

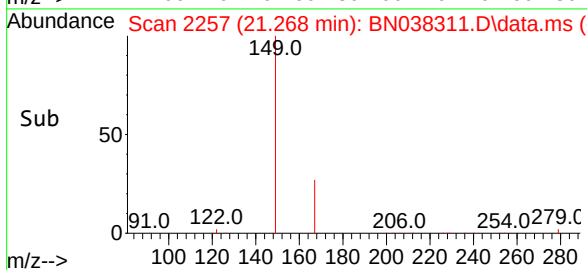
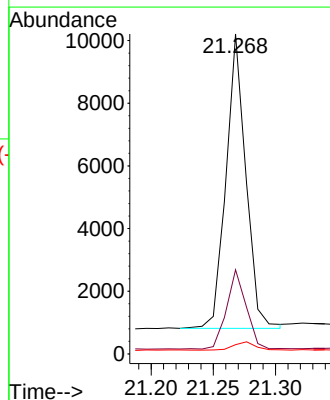
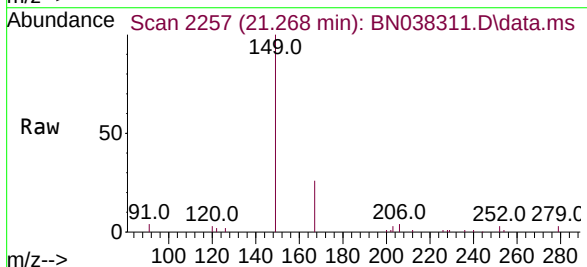
Tgt Ion:149 Resp: 10421

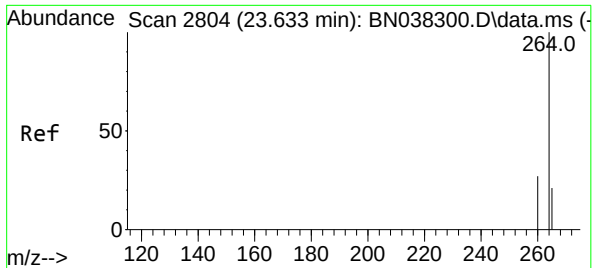
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.0

279 3.1 2.4 3.6

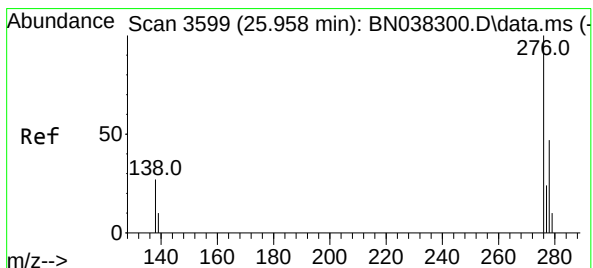
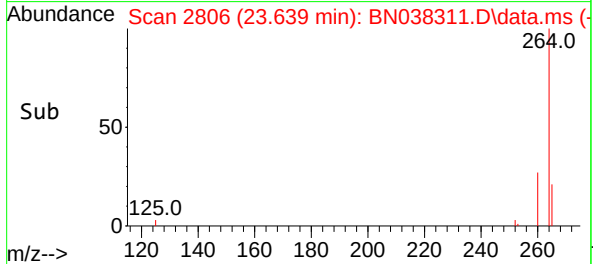
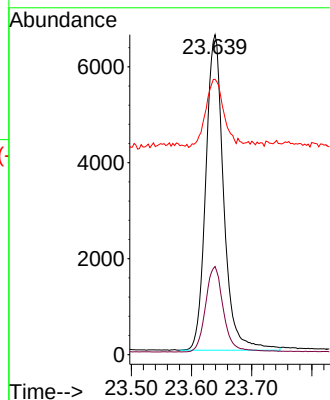
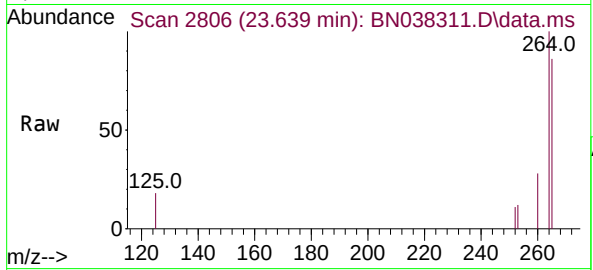




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.639 min Scan# 2804
Delta R.T. 0.006 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

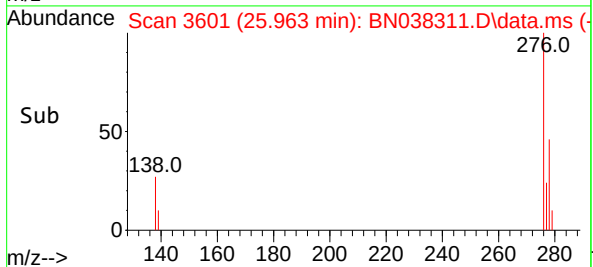
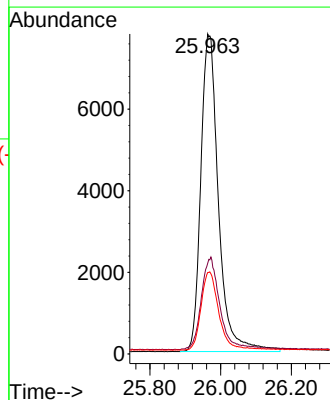
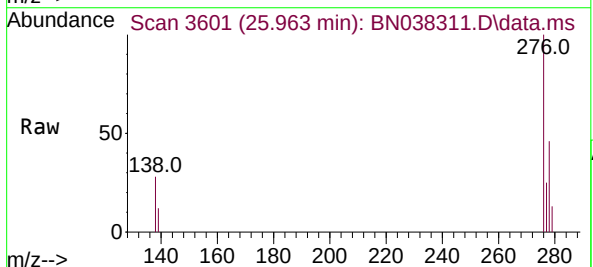
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

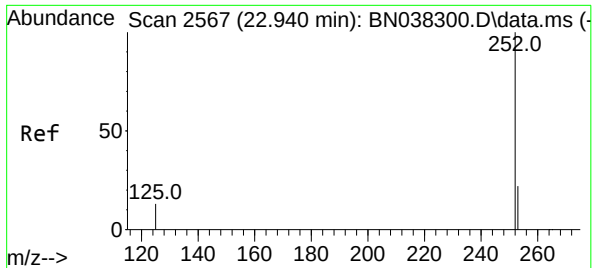
Tgt Ion:264 Resp: 13576
Ion Ratio Lower Upper
264 100
260 27.6 22.2 33.2
265 86.0 80.2 120.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.374 ng
RT: 25.963 min Scan# 3601
Delta R.T. -0.000 min
Lab File: BN038311.D
Acq: 11 Dec 2025 11:13

Tgt Ion:276 Resp: 26966
Ion Ratio Lower Upper
276 100
138 30.6 23.6 35.4
277 24.5 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.365 ng

RT: 22.943 min Scan# 2567

Delta R.T. -0.003 min

Lab File: BN038311.D

Acq: 11 Dec 2025 11:13

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

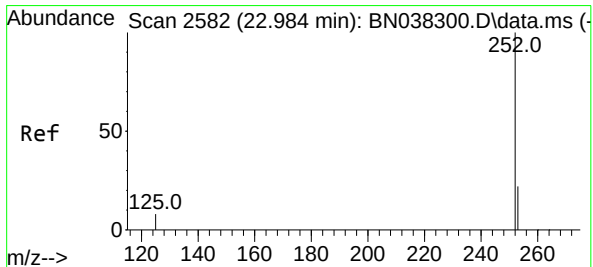
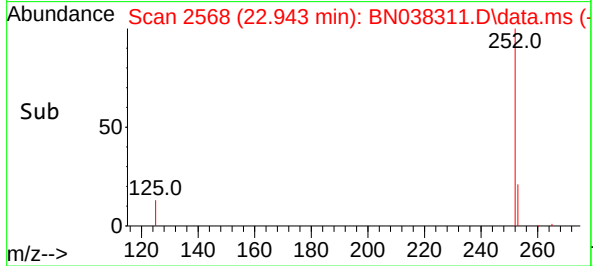
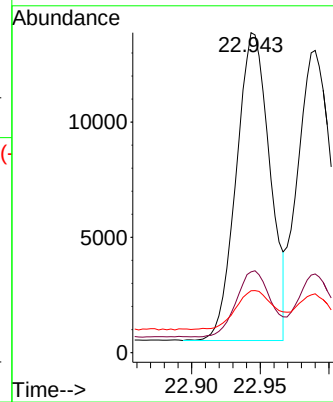
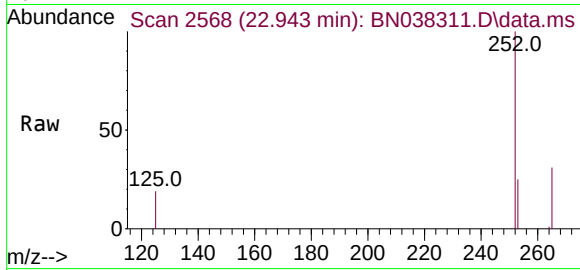
Tgt Ion:252 Resp: 22763

Ion Ratio Lower Upper

252 100

253 25.3 21.1 31.7

125 19.3 16.4 24.6



#38

Benzo(k)fluoranthene

Concen: 0.372 ng

RT: 22.990 min Scan# 2584

Delta R.T. -0.000 min

Lab File: BN038311.D

Acq: 11 Dec 2025 11:13

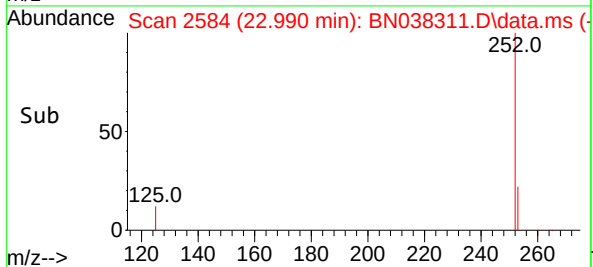
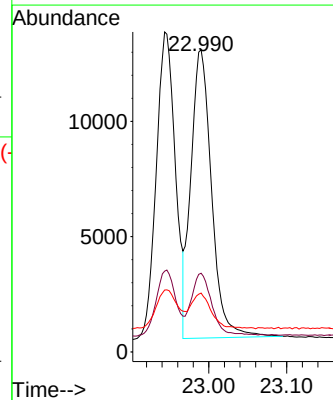
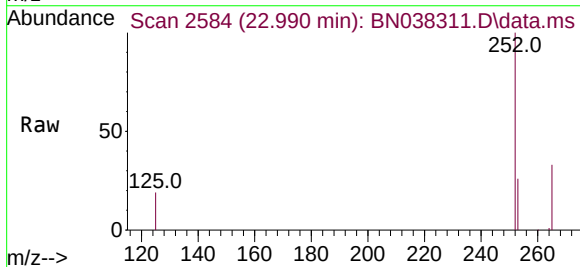
Tgt Ion:252 Resp: 23118

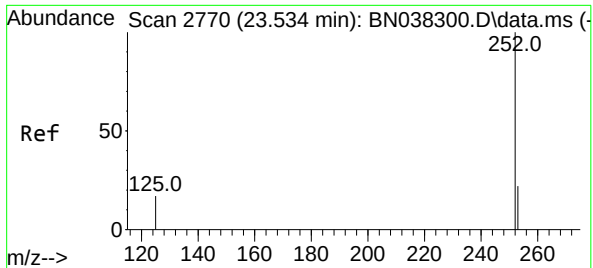
Ion Ratio Lower Upper

252 100

253 26.0 21.4 32.0

125 19.5 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.370 ng

RT: 23.537 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038311.D

Acq: 11 Dec 2025 11:13

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

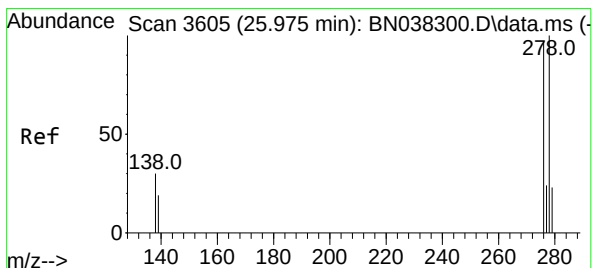
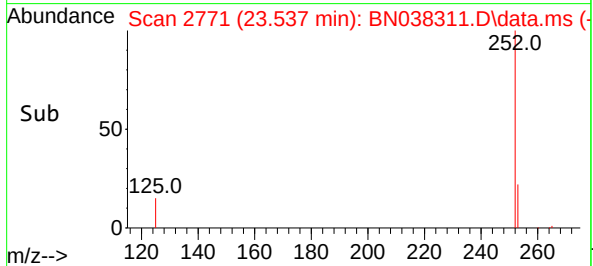
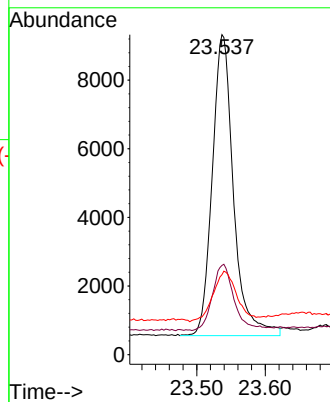
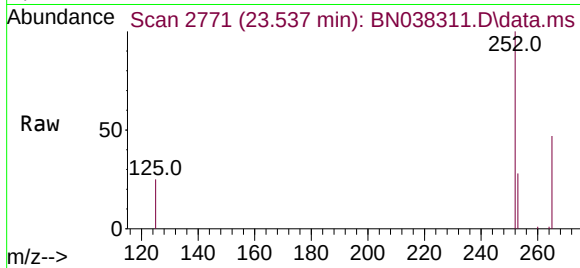
Tgt Ion:252 Resp: 18895

Ion Ratio Lower Upper

252 100

253 27.9 23.3 34.9

125 25.0 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.374 ng

RT: 25.984 min Scan# 3608

Delta R.T. 0.003 min

Lab File: BN038311.D

Acq: 11 Dec 2025 11:13

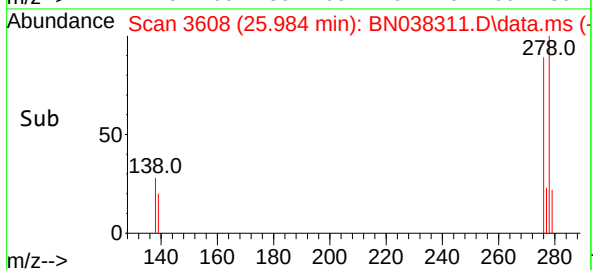
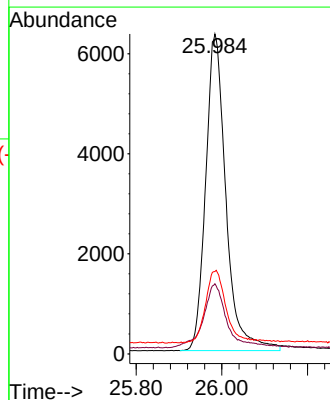
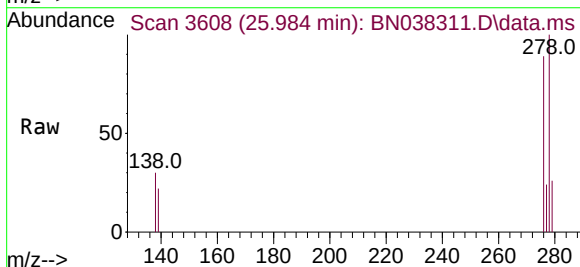
Tgt Ion:278 Resp: 20798

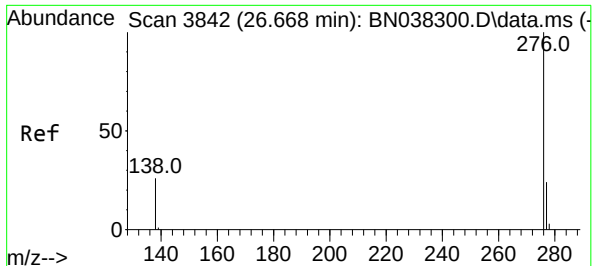
Ion Ratio Lower Upper

278 100

139 21.9 17.8 26.8

279 25.7 21.3 31.9





#41

Benzo(g,h,i)perylene

Concen: 0.369 ng

RT: 26.677 min Scan# 3845

Delta R.T. -0.000 min

Lab File: BN038311.D

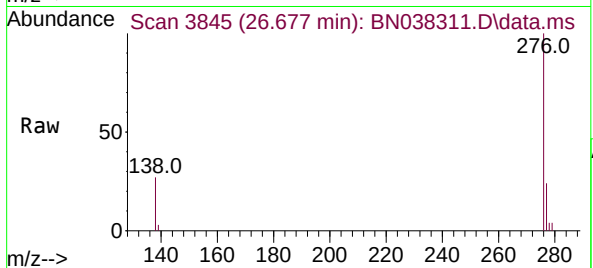
Acq: 11 Dec 2025 11:13

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



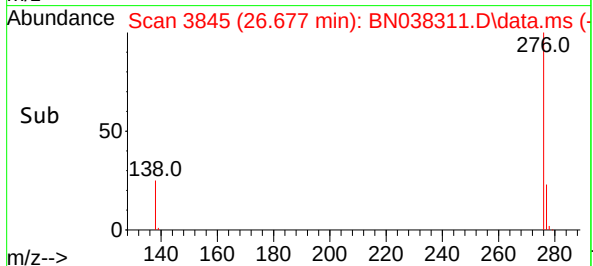
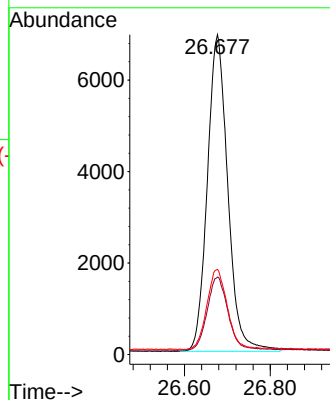
Tgt Ion:276 Resp: 22937

Ion Ratio Lower Upper

276 100

277 24.2 20.0 30.0

138 26.6 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
 Data File : BN038311.D
 Acq On : 11 Dec 2025 11:13
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Dec 11 11:36:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 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	104	0.00
2	1,4-Dioxane	0.459	0.465	-1.3	104	0.00
3	n-Nitrosodimethylamine	0.575	0.551	4.2	100	0.00
4 S	2-Fluorophenol	0.996	0.953	4.3	100	0.00
5 S	Phenol-d6	1.184	1.124	5.1	101	0.00
6	bis(2-Chloroethyl)ether	1.158	1.144	1.2	102	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
8 S	Nitrobenzene-d5	0.337	0.321	4.7	103	0.00
9	Naphthalene	1.182	1.163	1.6	105	0.00
10	Hexachlorobutadiene	0.210	0.206	1.9	104	0.00
11 SURR	2-Methylnaphthalene-d10	0.564	0.555	1.6	107	0.00
12	2-Methylnaphthalene	0.751	0.733	2.4	106	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	108	0.00
14 S	2,4,6-Tribromophenol	0.177	0.162	8.5	105	0.00
15 S	2-Fluorobiphenyl	1.927	1.827	5.2	100	0.00
16	Acenaphthylene	1.964	1.883	4.1	107	0.00
17	Acenaphthene	1.369	1.332	2.7	107	-0.01
18	Fluorene	1.761	1.723	2.2	109	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
20	4,6-Dinitro-2-methylphenol	0.066	0.055	16.7	105	0.00
21	4-Bromophenyl-phenylether	0.297	0.288	3.0	109	0.00
22	Hexachlorobenzene	0.357	0.352	1.4	110	0.00
23	Atrazine	0.202	0.191	5.4	109	0.00
24	Pentachlorophenol	0.139	0.125	10.1	113	0.00
25	Phenanthrene	1.392	1.361	2.2	109	0.00
26	Anthracene	1.200	1.144	4.7	109	0.00
27 SURR	Fluoranthene-d10	0.989	0.982	0.7	109	0.00
28	Fluoranthene	1.480	1.445	2.4	108	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	111	0.00
30	Pyrene	1.969	1.852	5.9	107	0.00
31 S	Terphenyl-d14	0.893	0.857	4.0	108	0.00
32	Benzo(a)anthracene	1.545	1.531	0.9	115	0.00
33	Chrysene	1.701	1.680	1.2	108	0.00
34	Bis(2-ethylhexyl)phthalate	0.848	0.815	3.9	107	0.00
35 I	Perylene-d12	1.000	1.000	0.0	118	0.00
36	Indeno(1,2,3-cd)pyrene	2.123	1.986	6.5	110	0.00
37	Benzo(b)fluoranthene	1.837	1.677	8.7	111	0.00
38	Benzo(k)fluoranthene	1.832	1.703	7.0	112	0.00
39 C	Benzo(a)pyrene	1.503	1.392	7.4	112	0.00
40	Dibenzo(a,h)anthracene	1.637	1.532	6.4	112	0.00
41	Benzo(g,h,i)perylene	1.829	1.690	7.6	110	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\BN121125\
 Data File : BN038311.D
 Acq On : 11 Dec 2025 11:13
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Dec 11 11:36:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 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	104	0.00
2	1,4-Dioxane	0.400	0.406	-1.5	104	0.00
3	n-Nitrosodimethylamine	0.400	0.383	4.3	100	0.00
4 S	2-Fluorophenol	0.400	0.383	4.3	100	0.00
5 S	Phenol-d6	0.400	0.380	5.0	101	0.00
6	bis(2-Chloroethyl)ether	0.400	0.395	1.3	102	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	106	0.00
8 S	Nitrobenzene-d5	0.400	0.381	4.8	103	0.00
9	Naphthalene	0.400	0.393	1.8	105	0.00
10	Hexachlorobutadiene	0.400	0.393	1.8	104	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.394	1.5	107	0.00
12	2-Methylnaphthalene	0.400	0.391	2.3	106	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	108	0.00
14 S	2,4,6-Tribromophenol	0.400	0.366	8.5	105	0.00
15 S	2-Fluorobiphenyl	0.400	0.379	5.3	100	0.00
16	Acenaphthylene	0.400	0.383	4.3	107	0.00
17	Acenaphthene	0.400	0.389	2.8	107	-0.01
18	Fluorene	0.400	0.391	2.3	109	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	109	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.331	17.3	105	0.00
21	4-Bromophenyl-phenylether	0.400	0.388	3.0	109	0.00
22	Hexachlorobenzene	0.400	0.395	1.3	110	0.00
23	Atrazine	0.400	0.377	5.8	109	0.00
24	Pentachlorophenol	0.400	0.358	10.5	113	0.00
25	Phenanthrene	0.400	0.391	2.3	109	0.00
26	Anthracene	0.400	0.381	4.8	109	0.00
27 SURR	Fluoranthene-d10	0.400	0.397	0.8	109	0.00
28	Fluoranthene	0.400	0.391	2.3	108	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	111	0.00
30	Pyrene	0.400	0.376	6.0	107	0.00
31 S	Terphenyl-d14	0.400	0.384	4.0	108	0.00
32	Benzo(a)anthracene	0.400	0.396	1.0	115	0.00
33	Chrysene	0.400	0.395	1.3	108	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.385	3.8	107	0.00
35 I	Perylene-d12	0.400	0.400	0.0	118	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.374	6.5	110	0.00
37	Benzo(b)fluoranthene	0.400	0.365	8.8	111	0.00
38	Benzo(k)fluoranthene	0.400	0.372	7.0	112	0.00
39 C	Benzo(a)pyrene	0.400	0.370	7.5	112	0.00
40	Dibenzo(a,h)anthracene	0.400	0.374	6.5	112	0.00
41	Benzo(g,h,i)perylene	0.400	0.369	7.8	110	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: Alliance Contract: JAC005
 Lab Code: ACE SDG No.: Q3788
 Instrument ID: BNA_N Calibration Date/Time: 12/11/2025 23:59
 Lab File ID: BN038330.D Init. Calib. Date(s): 12/10/2025 12/10/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:52 13:30
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.564	0.557		-1.2	20.0
Fluoranthene-d10	0.990	0.988		-0.2	20.0
2-Fluorophenol	0.996	0.984		-1.2	20.0
Phenol-d6	1.184	1.177		-0.6	20.0
Nitrobenzene-d5	0.337	0.326		-3.3	20.0
2-Fluorobiphenyl	1.914	1.919		0.3	20.0
2,4,6-Tribromophenol	0.177	0.159		-10.2	20.0
Terphenyl-d14	0.893	0.848		-5.0	20.0
1,4-Dioxane	0.459	0.479		4.4	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
 Data File : BN038330.D
 Acq On : 11 Dec 2025 23:59
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Dec 12 00:29:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

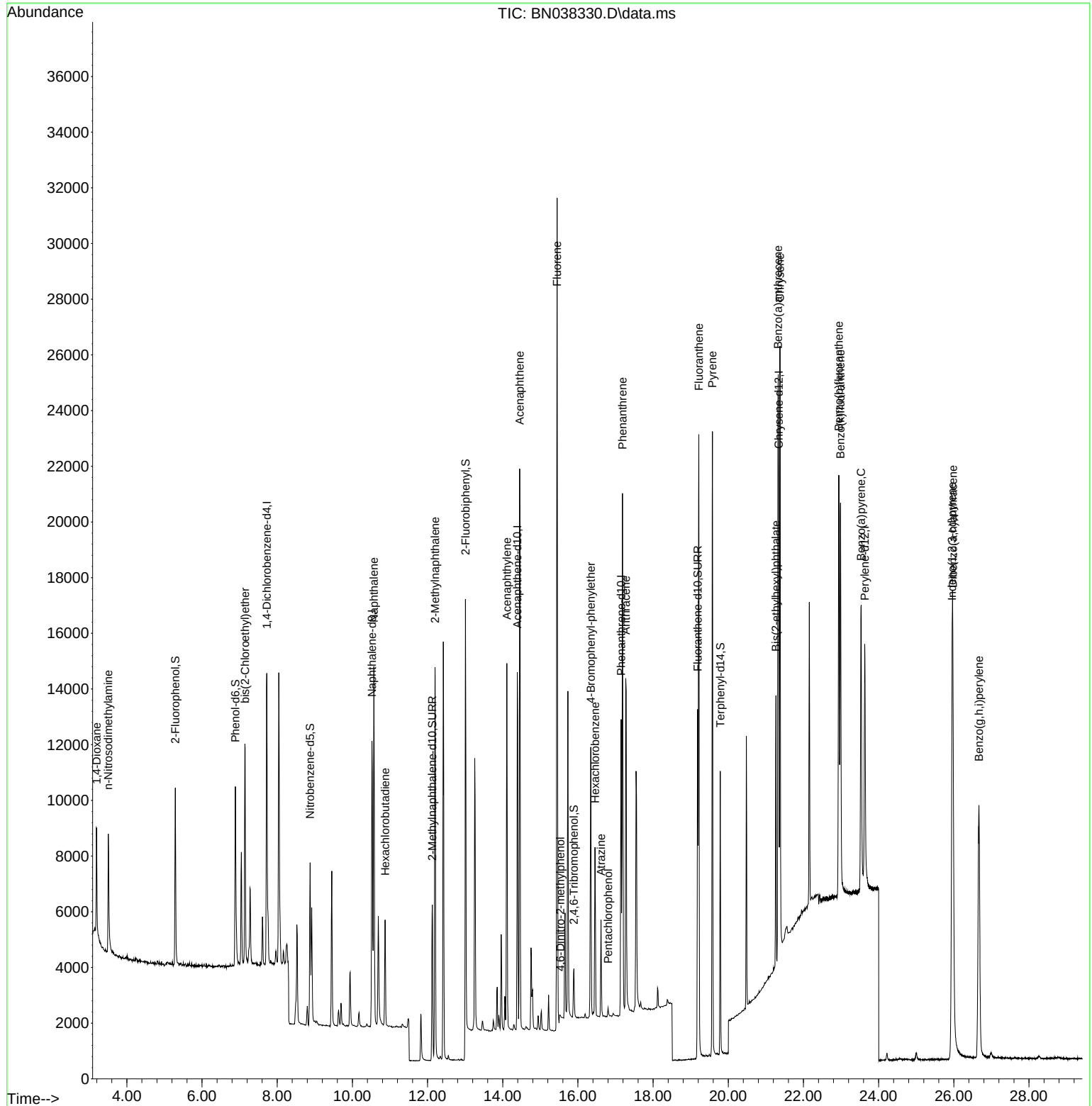
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5325	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	14404	0.400	ng	#-0.01
13) Acenaphthene-d10	14.387	164	7509	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	13836	0.400	ng	0.00
29) Chrysene-d12	21.339	240	10979	0.400	ng	0.00
35) Perylene-d12	23.630	264	11587	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	5242	0.395	ng	0.00
5) Phenol-d6	6.886	99	6267	0.398	ng	0.00
8) Nitrobenzene-d5	8.875	82	4702	0.387	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	8023	0.395	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1194	0.358	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	14408	0.398	ng	0.00
27) Fluoranthene-d10	19.187	212	13666	0.399	ng	0.00
31) Terphenyl-d14	19.787	244	9312	0.380	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	2553	0.418	ng	97
3) n-Nitrosodimethylamine	3.506	42	2945	0.385	ng	99
6) bis(2-Chloroethyl)ether	7.146	93	6188	0.401	ng	99
9) Naphthalene	10.573	128	16835	0.395	ng	100
10) Hexachlorobutadiene	10.872	225	2984	0.394	ng	# 100
12) 2-Methylnaphthalene	12.197	142	10700	0.396	ng	99
16) Acenaphthylene	14.109	152	14216	0.386	ng	99
17) Acenaphthene	14.452	154	9650	0.376	ng	97
18) Fluorene	15.446	166	12774	0.386	ng	99
20) 4,6-Dinitro-2-methylph...	15.535	198	132	0.058	ng	# 1
21) 4-Bromophenyl-phenylether	16.342	248	3914	0.381	ng	98
22) Hexachlorobenzene	16.453	284	4794	0.388	ng	99
23) Atrazine	16.615	200	2660	0.380	ng	98
24) Pentachlorophenol	16.801	266	196	0.041	ng	96
25) Phenanthrene	17.186	178	18585	0.386	ng	100
26) Anthracene	17.273	178	15922	0.383	ng	100
28) Fluoranthene	19.215	202	20173	0.394	ng	100
30) Pyrene	19.578	202	20437	0.378	ng	100
32) Benzo(a)anthracene	21.322	228	16446	0.388	ng	99
33) Chrysene	21.375	228	18567	0.398	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	8928	0.384	ng	99
36) Indeno(1,2,3-cd)pyrene	25.955	276	22867	0.372	ng	98
37) Benzo(b)fluoranthene	22.940	252	19430	0.365	ng	100
38) Benzo(k)fluoranthene	22.984	252	18984	0.358	ng	100
39) Benzo(a)pyrene	23.534	252	15994	0.367	ng	99
40) Dibenzo(a,h)anthracene	25.975	278	17925	0.378	ng	99
41) Benzo(g,h,i)perylene	26.668	276	19418	0.366	ng	100

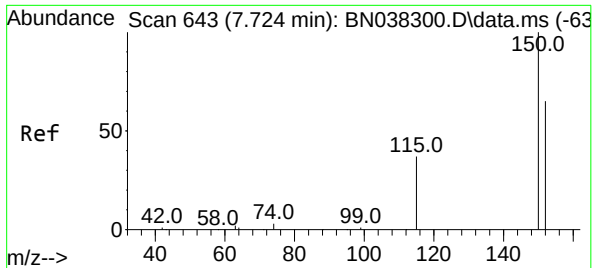
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038330.D
Acq On : 11 Dec 2025 23:59
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 12 00:29:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

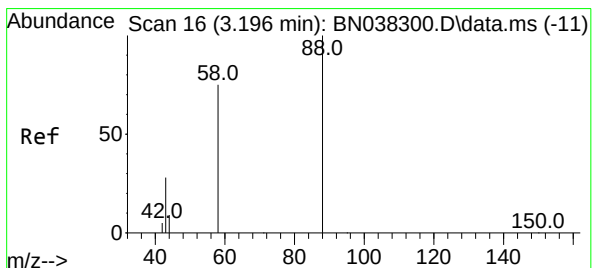
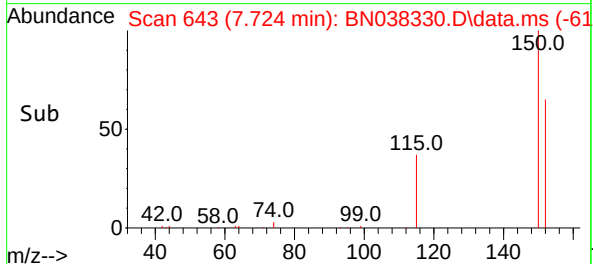
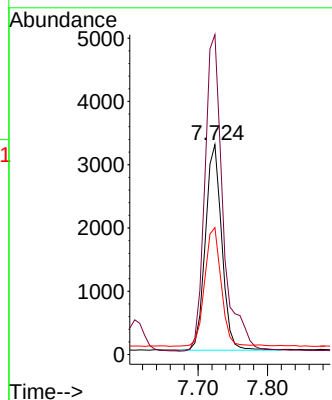
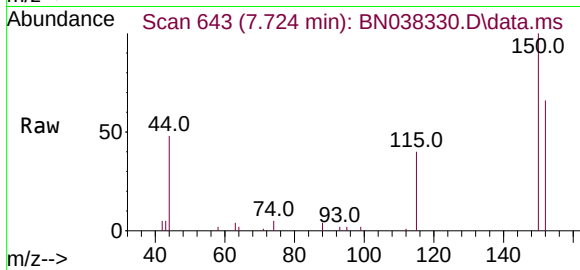




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

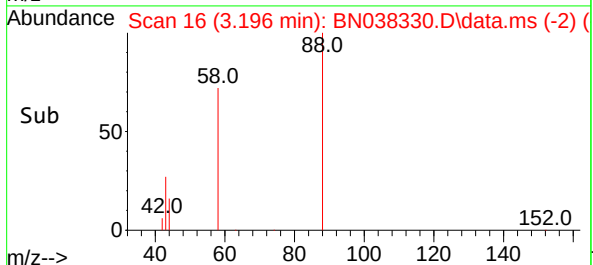
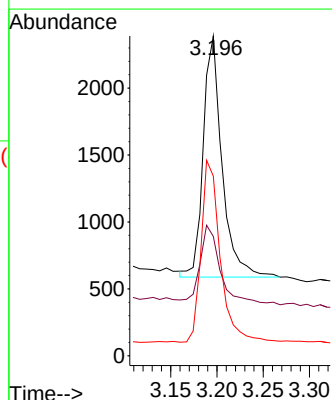
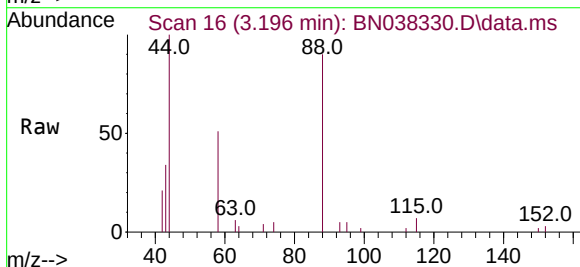
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

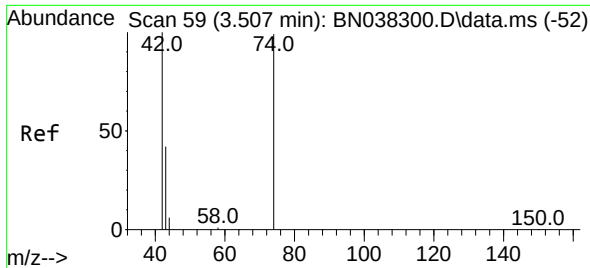
Tgt Ion:152 Resp: 5325
Ion Ratio Lower Upper
152 100
150 152.4 122.4 183.6
115 60.5 47.3 70.9



#2
1,4-Dioxane
Concen: 0.418 ng
RT: 3.196 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion: 88 Resp: 2553
Ion Ratio Lower Upper
88 100
43 36.5 24.9 37.3
58 76.5 61.4 92.0

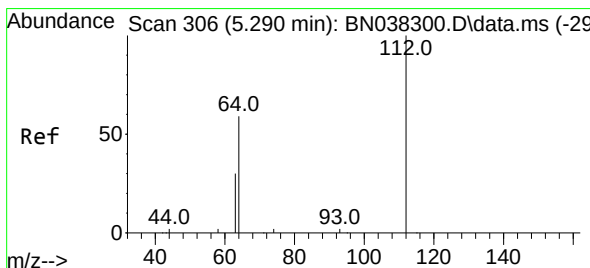
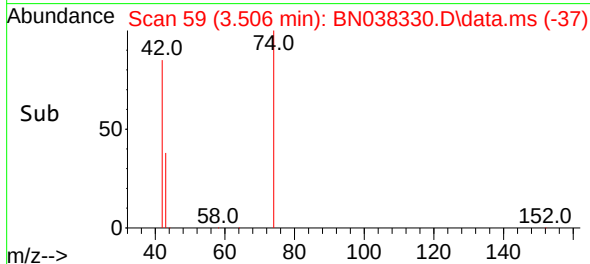
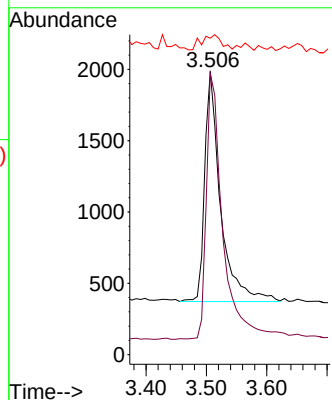
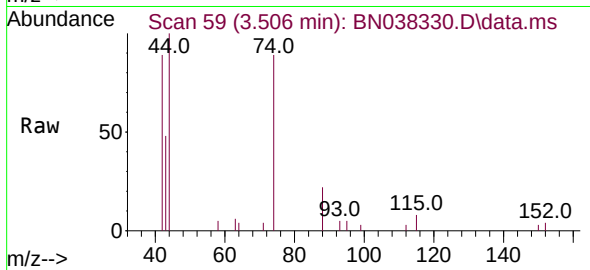




#3
n-Nitrosodimethylamine
Concen: 0.385 ng
RT: 3.506 min Scan# 59
Delta R.T. 0.007 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

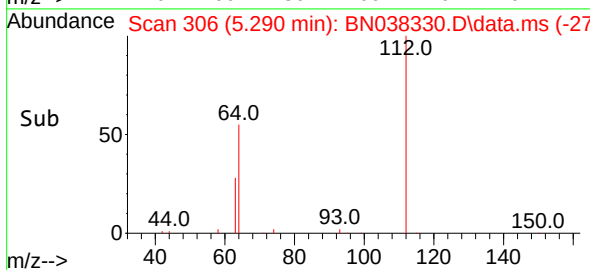
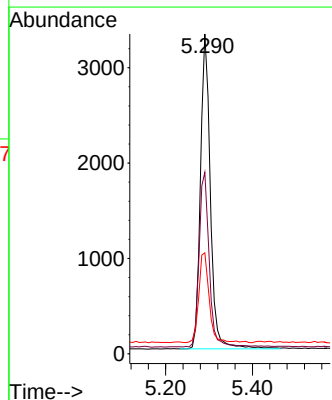
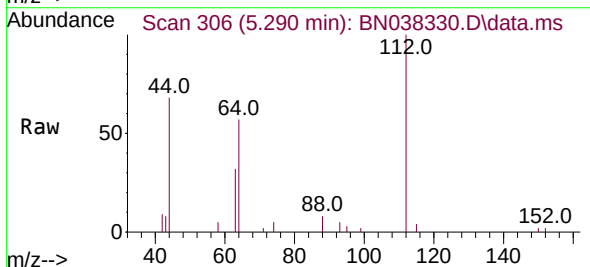
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

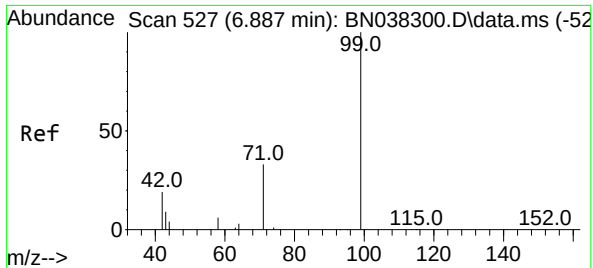
Tgt Ion:	42	Resp:	2945
Ion	Ratio	Lower	Upper
42	100		
74	120.0	95.3	142.9
44	8.0	7.9	11.9



#4
2-Fluorophenol
Concen: 0.395 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion:	112	Resp:	5242
Ion	Ratio	Lower	Upper
112	100		
64	56.4	44.4	66.6
63	30.0	23.4	35.0

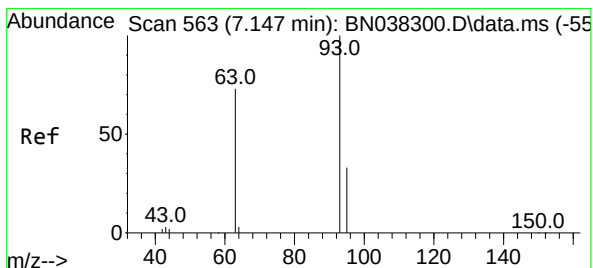
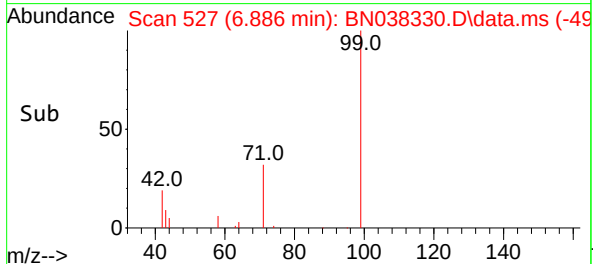
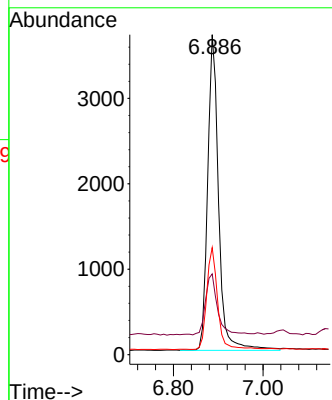
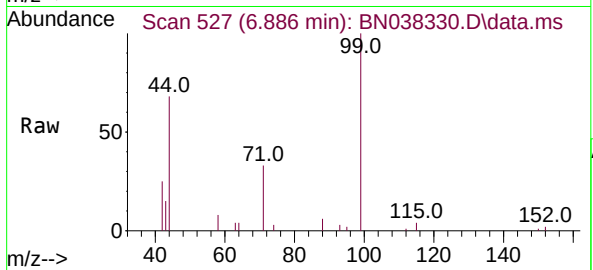




#5
Phenol-d6
Concen: 0.398 ng
RT: 6.886 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

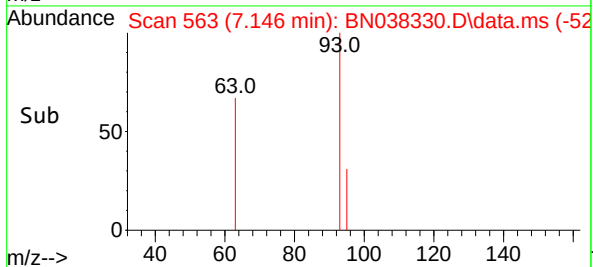
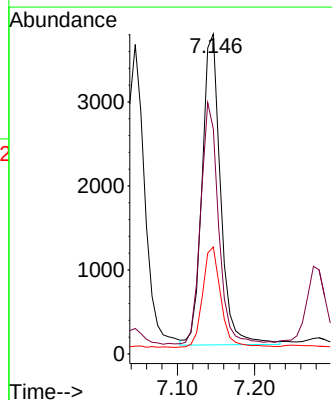
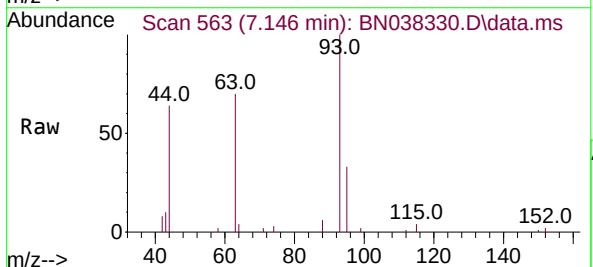
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

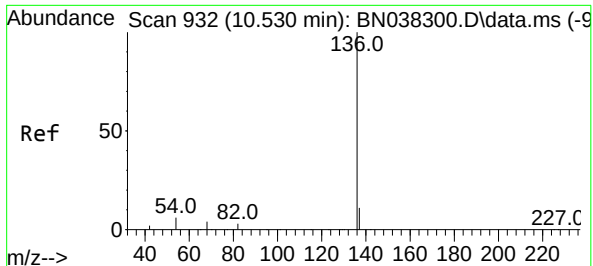
Tgt Ion: 99 Resp: 6267
Ion Ratio Lower Upper
99 100
42 21.3 16.5 24.7
71 31.9 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 0.401 ng
RT: 7.146 min Scan# 563
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion: 93 Resp: 6188
Ion Ratio Lower Upper
93 100
63 74.4 59.2 88.8
95 31.9 25.2 37.8

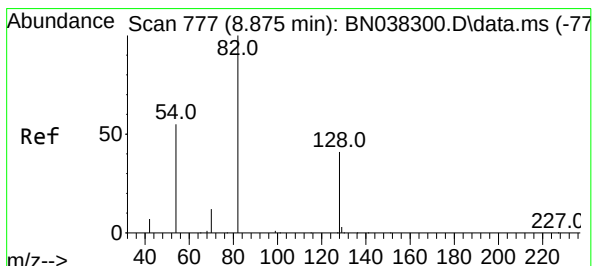
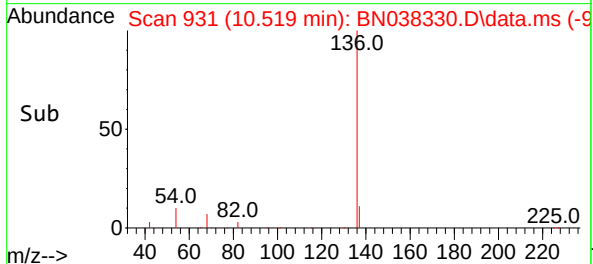
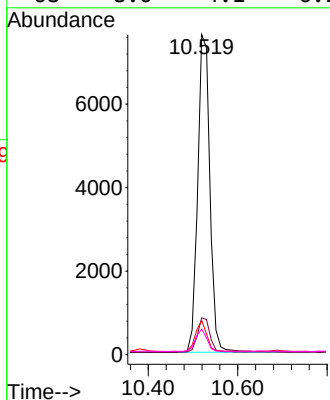
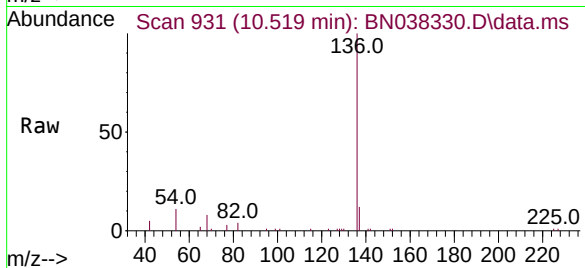




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

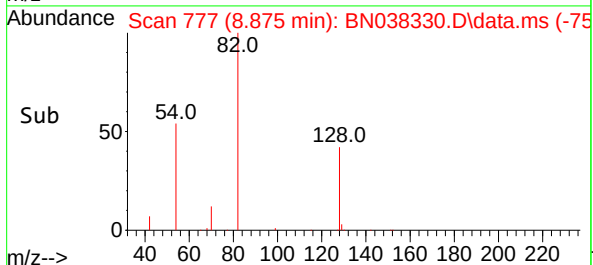
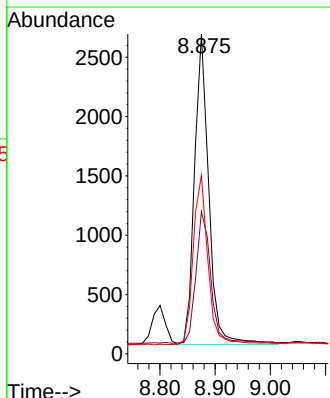
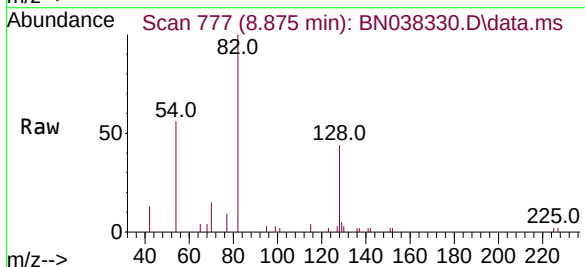
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

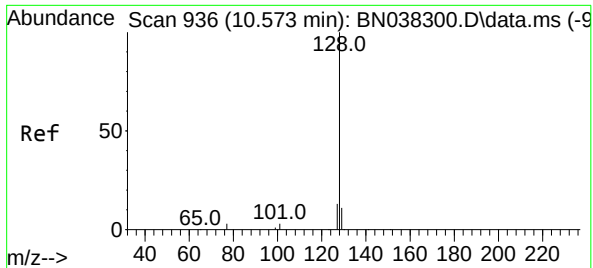
Tgt Ion:136	Resp:	14404
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.1 13.7
54	10.7	5.2 7.8#
68	8.0	4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.387 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion: 82	Resp:	4702
Ion Ratio	Lower	Upper
82	100	
128	44.5	34.0 51.0
54	55.8	44.4 66.6

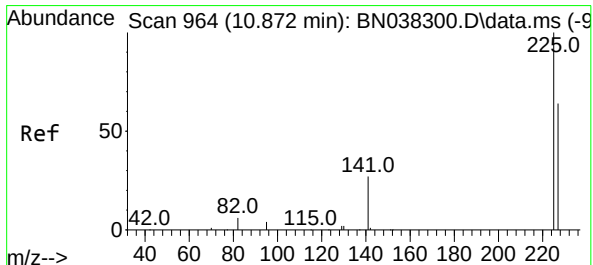
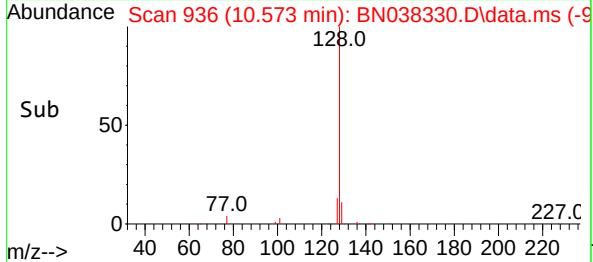
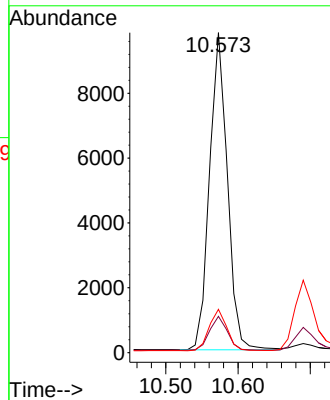
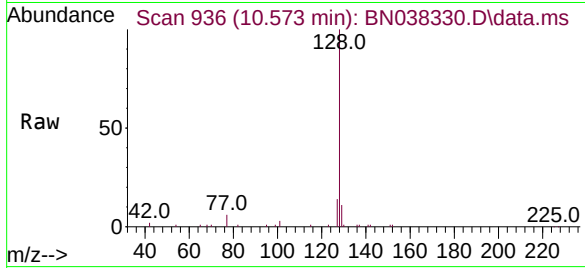




#9
Naphthalene
Concen: 0.395 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

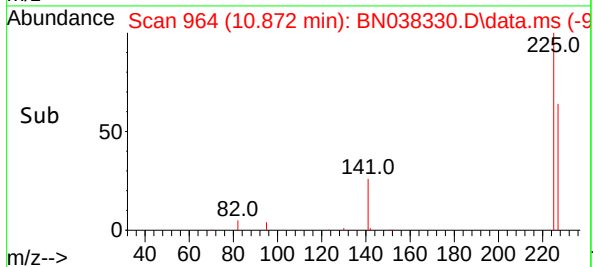
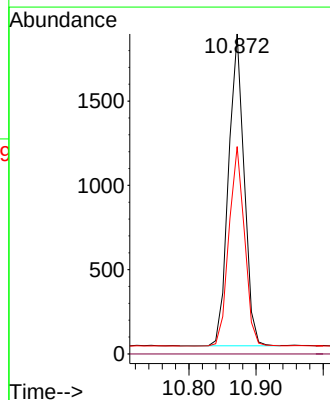
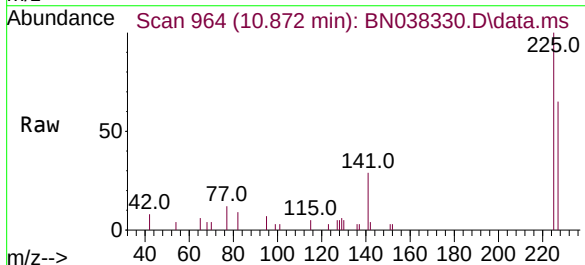
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

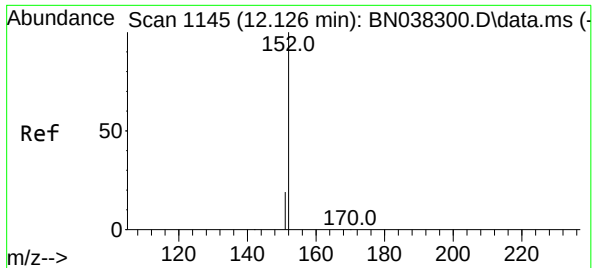
Tgt Ion:	128	Resp:	16835
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.5	10.9	16.3



#10
Hexachlorobutadiene
Concen: 0.394 ng
RT: 10.872 min Scan# 964
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion:	225	Resp:	2984
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.2	76.8

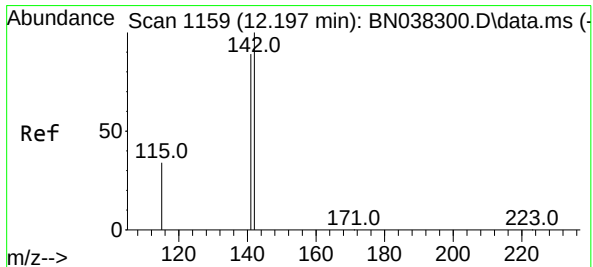
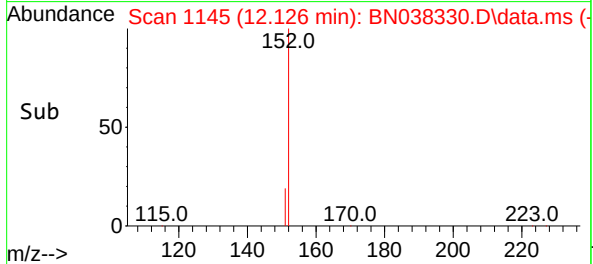
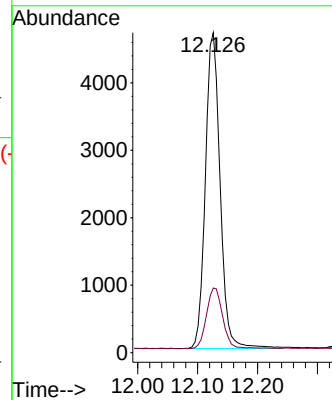
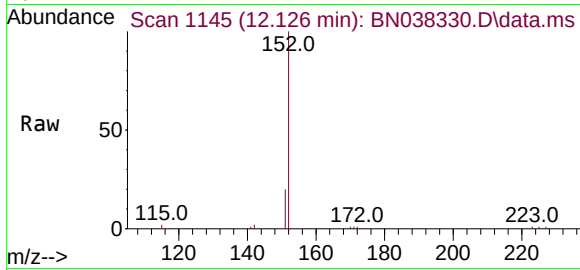




#11
2-Methylnaphthalene-d10
Concen: 0.395 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

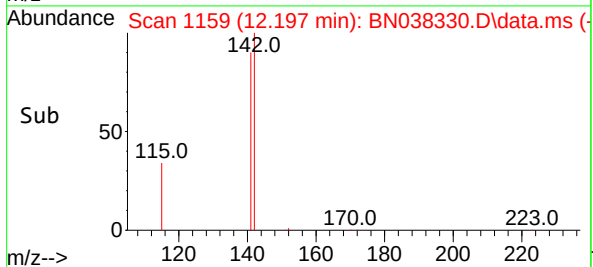
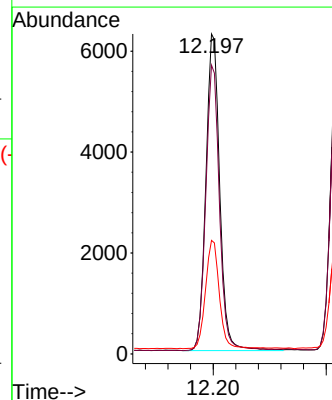
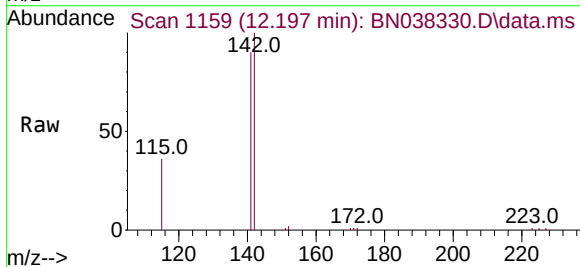
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

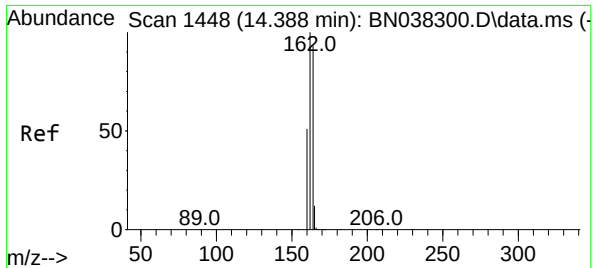
Tgt Ion:152 Resp: 8023
Ion Ratio Lower Upper
152 100
151 21.2 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.396 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion:142 Resp: 10700
Ion Ratio Lower Upper
142 100
141 90.2 71.4 107.2
115 35.5 28.4 42.6

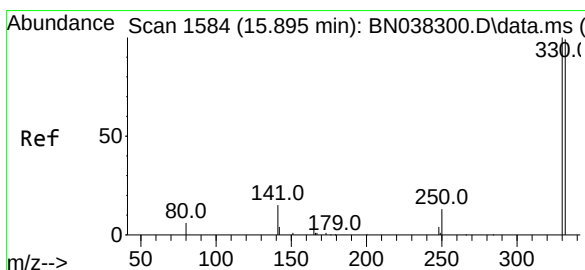
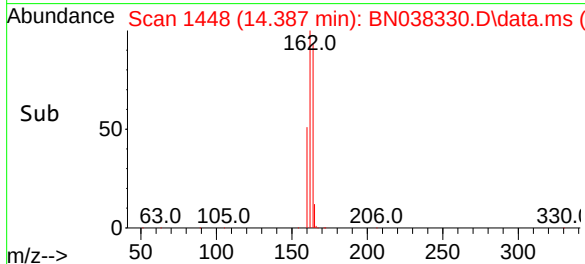
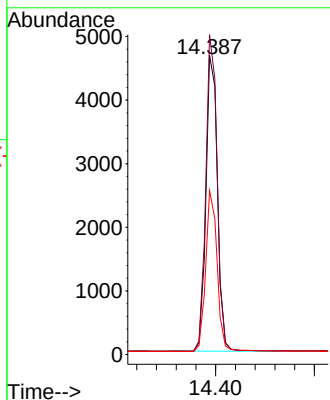
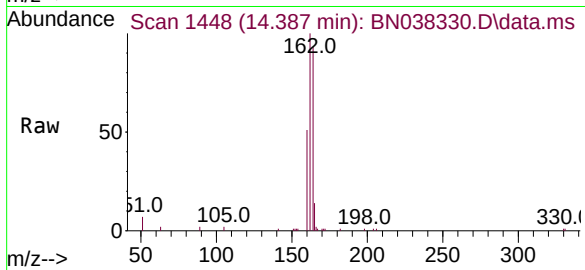




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.387 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

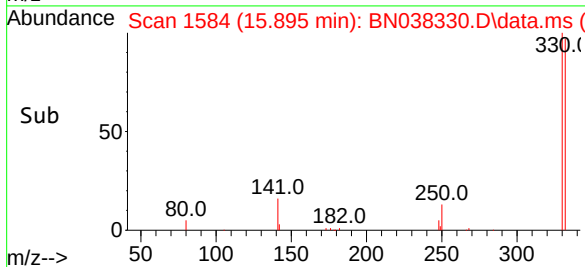
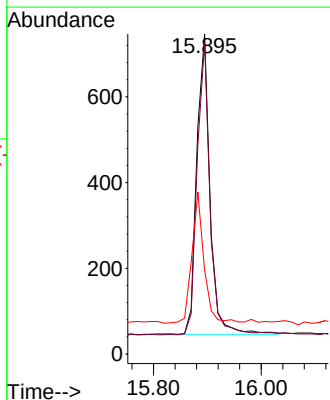
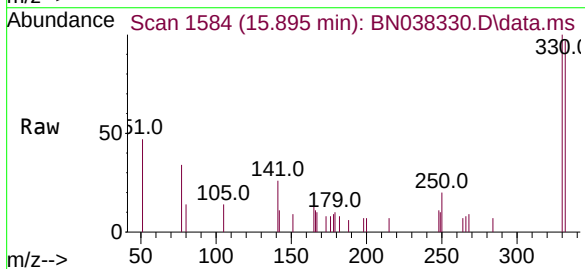
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

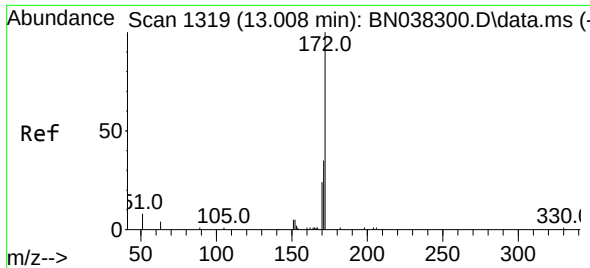
Tgt Ion:164 Resp: 7509
Ion Ratio Lower Upper
164 100
162 107.0 86.2 129.4
160 54.8 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.358 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion:330 Resp: 1194
Ion Ratio Lower Upper
330 100
332 94.2 75.8 113.6
141 40.2 31.8 47.8

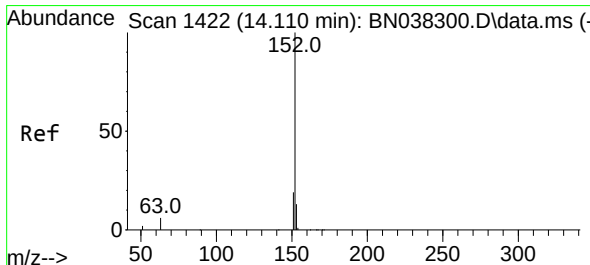
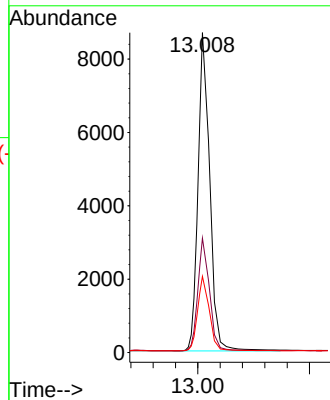
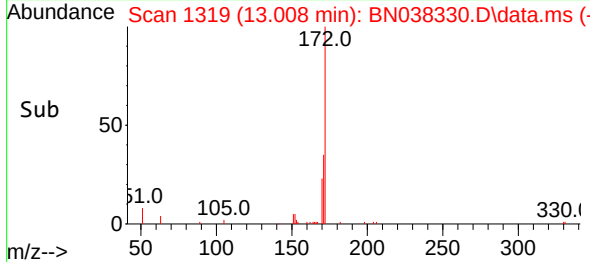
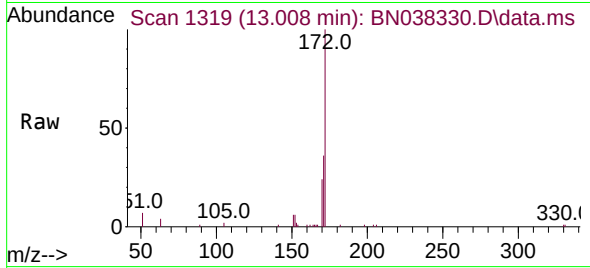




#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 13.008 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

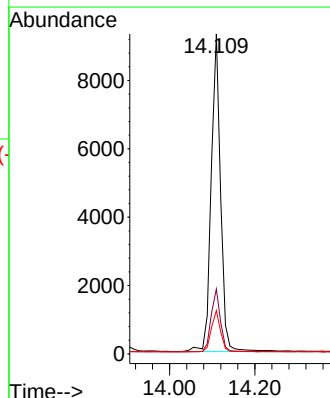
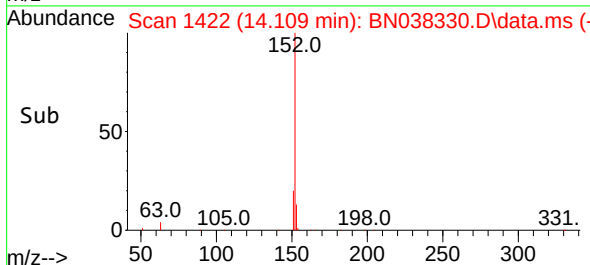
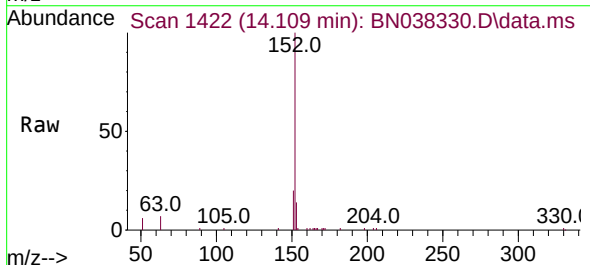
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

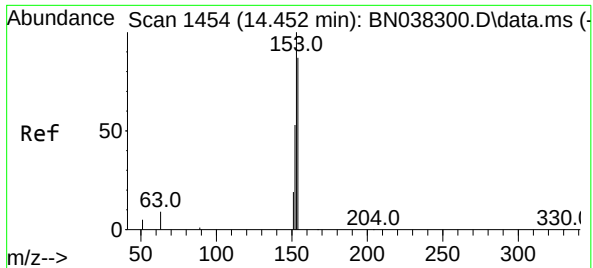
Tgt Ion:	172	Resp:	14408
Ion Ratio	Lower	Upper	
172	100		
171	35.8	28.6	42.8
170	23.8	19.3	28.9



#16
Acenaphthylene
Concen: 0.386 ng
RT: 14.109 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion:	152	Resp:	14216
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.4	23.2
153	13.0	10.2	15.4

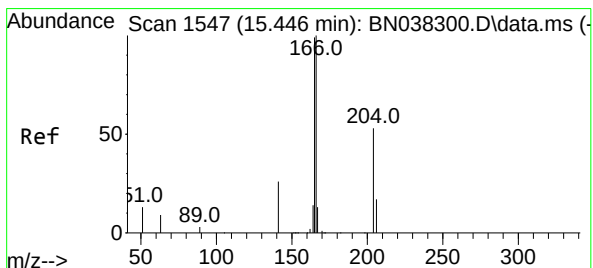
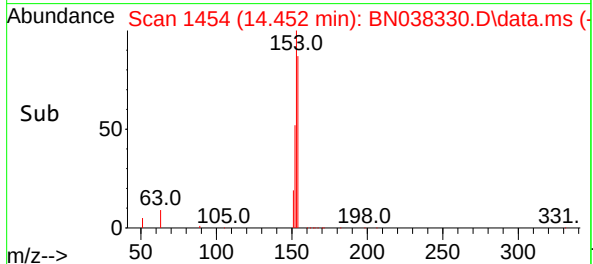
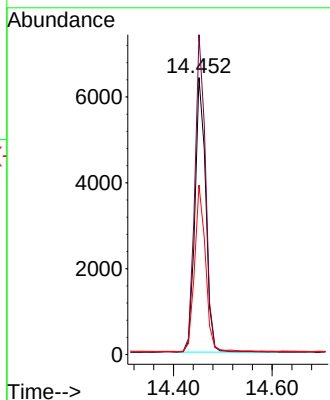
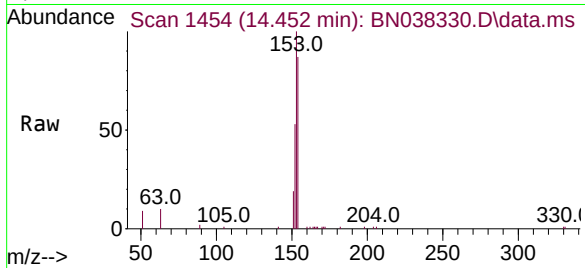




#17
Acenaphthene
Concen: 0.376 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

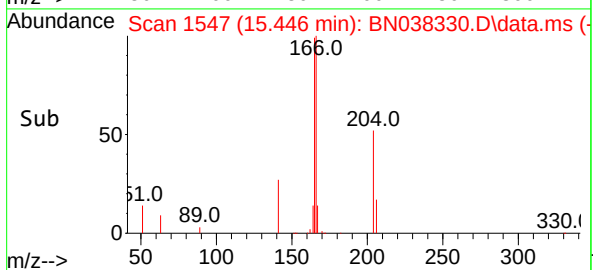
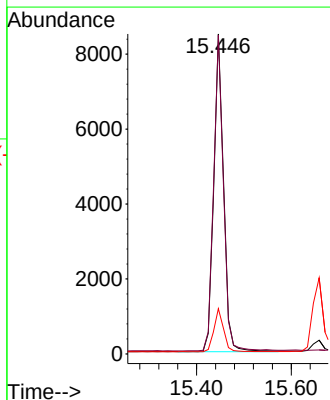
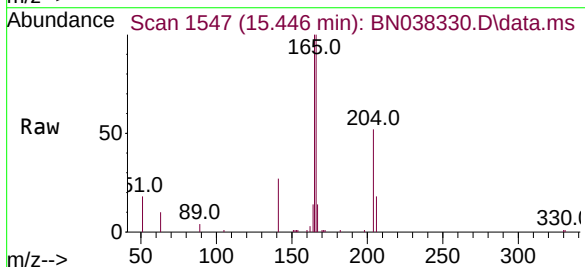
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

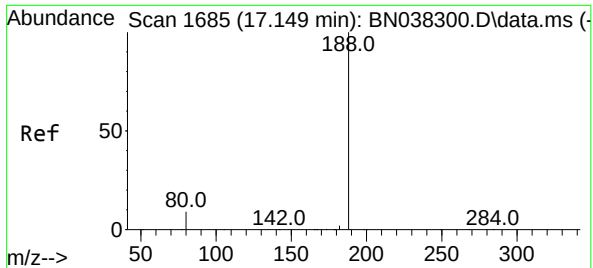
Tgt Ion	154	153	152
Resp:	9650	116.1	61.7
Ion Ratio	100	100	100
Lower		89.8	47.5
Upper		134.8	71.3



#18
Fluorene
Concen: 0.386 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion	166	165	167
Resp:	12774	99.3	13.1
Ion Ratio	100	100	100
Lower		80.2	10.6
Upper		120.4	16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1685

Delta R.T. -0.000 min

Lab File: BN038330.D

Acq: 11 Dec 2025 23:59

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

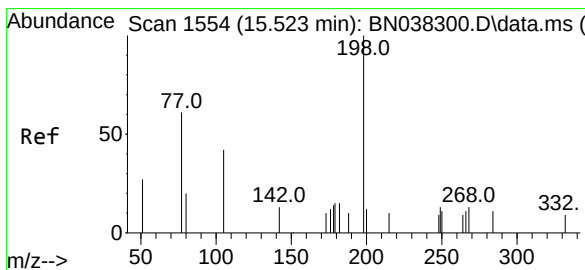
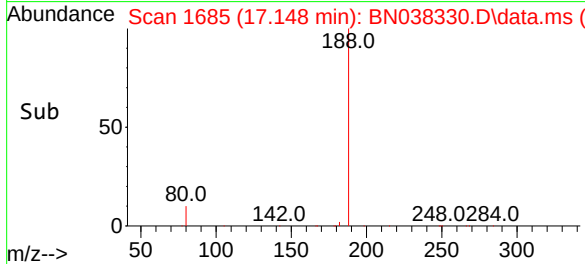
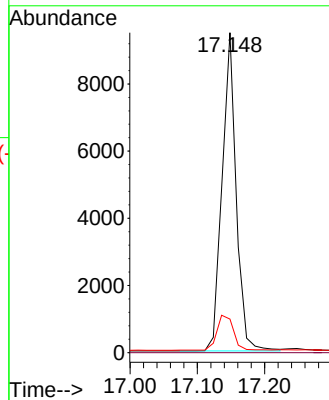
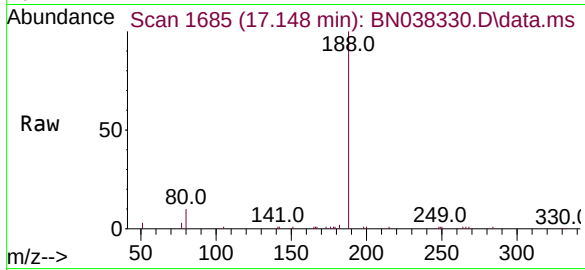
Tgt Ion:188 Resp: 13836

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.5 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.058 ng

RT: 15.535 min Scan# 1555

Delta R.T. 0.013 min

Lab File: BN038330.D

Acq: 11 Dec 2025 23:59

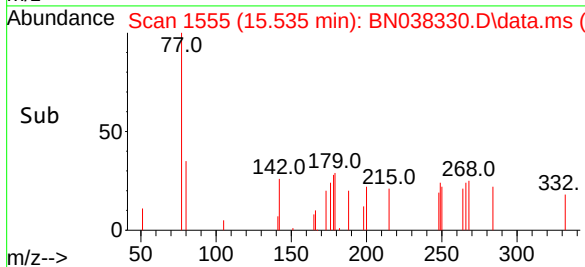
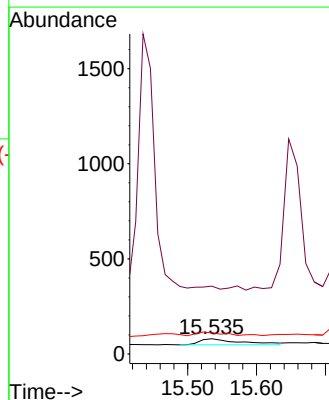
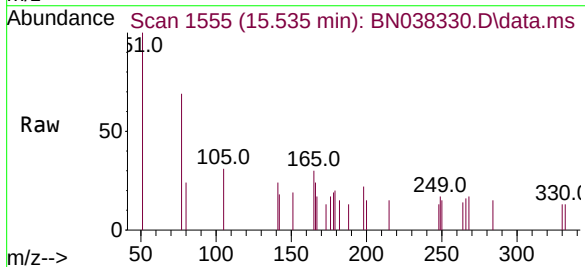
Tgt Ion:198 Resp: 132

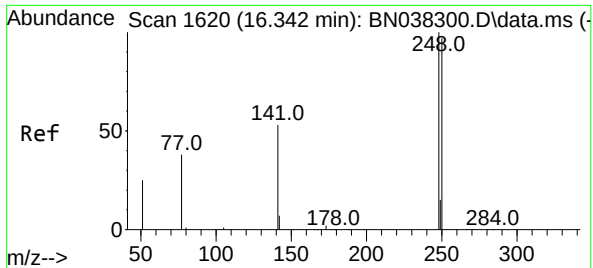
Ion Ratio Lower Upper

198 100

51 446.2 86.3 129.5#

105 138.7 45.3 67.9#

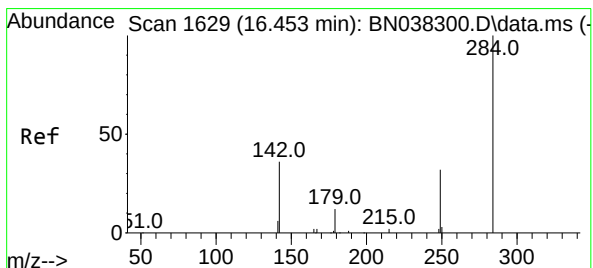
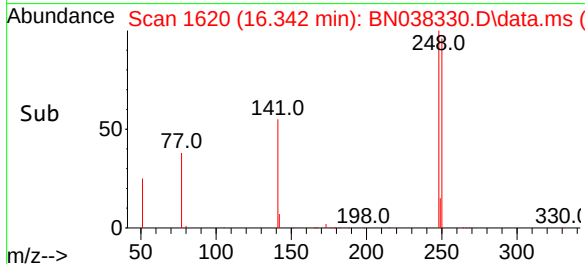
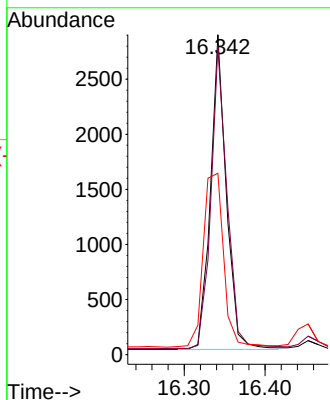
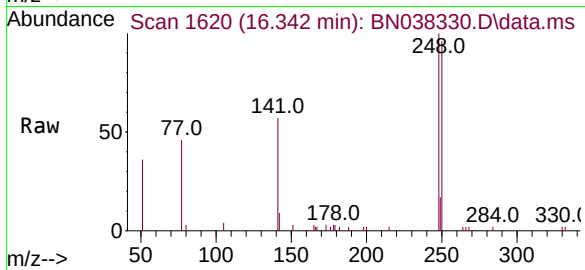




#21
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

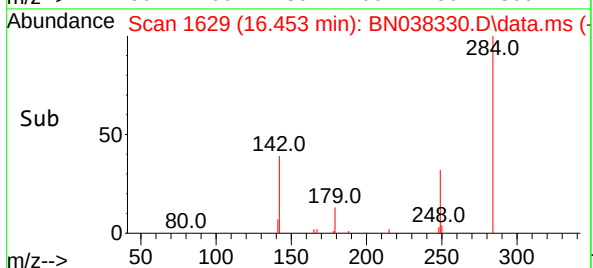
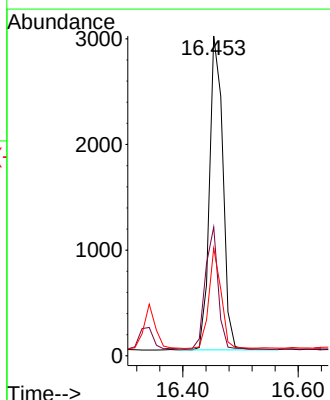
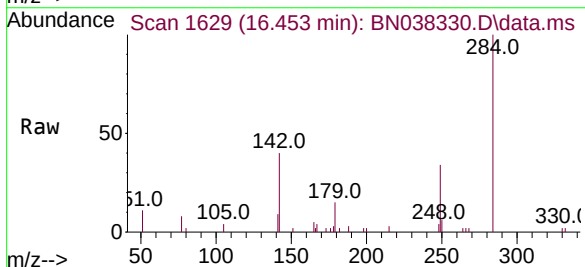
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

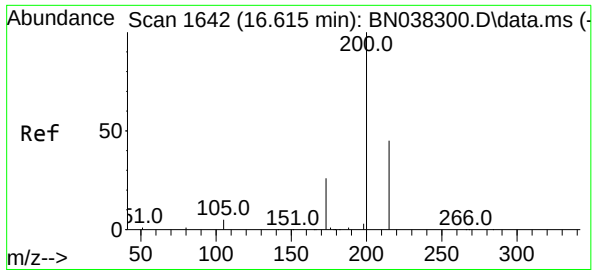
Tgt Ion:248 Resp: 3914
Ion Ratio Lower Upper
248 100
250 96.0 78.2 117.2
141 56.7 43.7 65.5



#22
Hexachlorobenzene
Concen: 0.388 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion:284 Resp: 4794
Ion Ratio Lower Upper
284 100
142 37.6 29.5 44.3
249 29.2 23.7 35.5

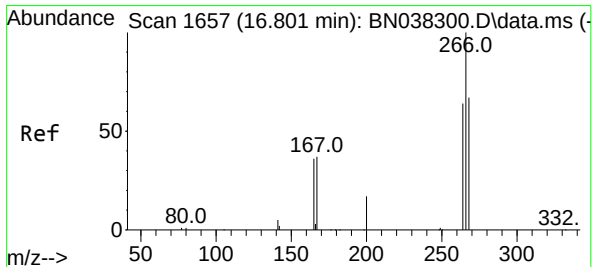
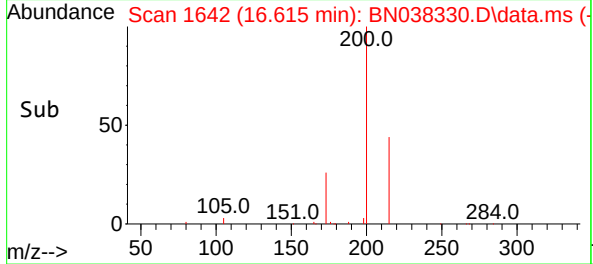
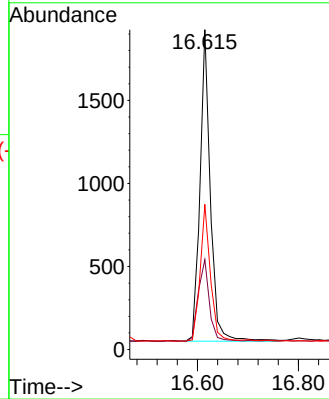
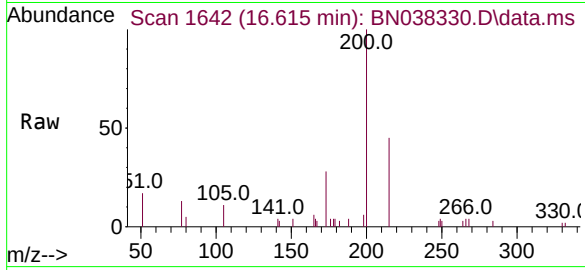




#23
Atrazine
Concen: 0.380 ng
RT: 16.615 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

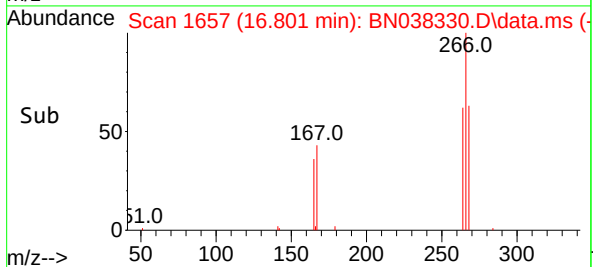
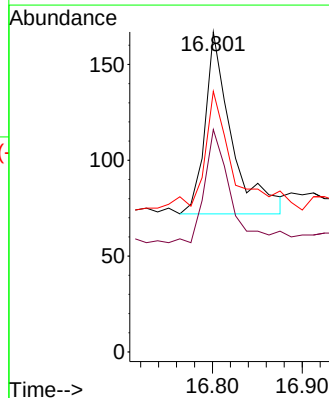
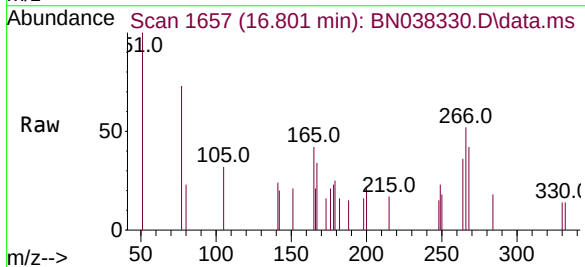
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

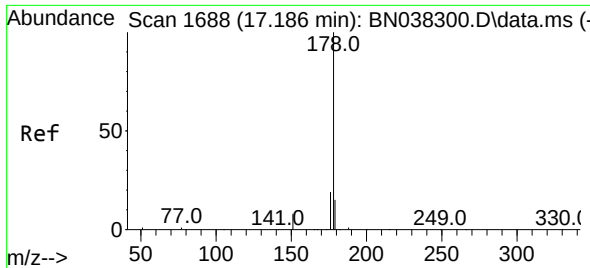
Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.1	22.1	33.1
215	45.4	37.4	56.2



#24
Pentachlorophenol
Concen: 0.041 ng
RT: 16.801 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.2	75.2
268	70.9	52.6	78.8

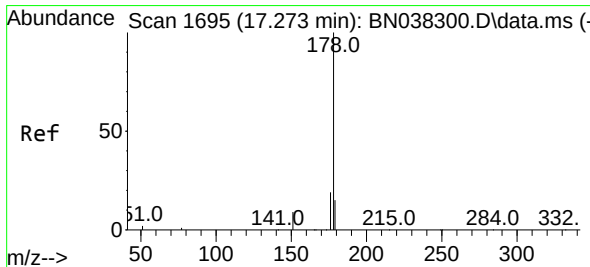
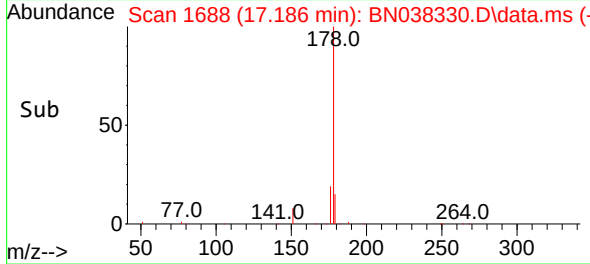
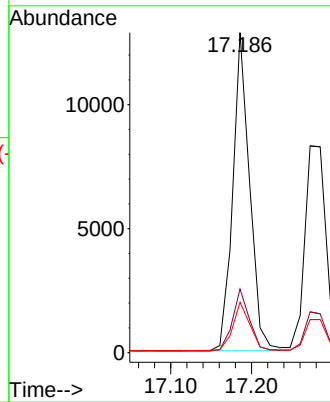
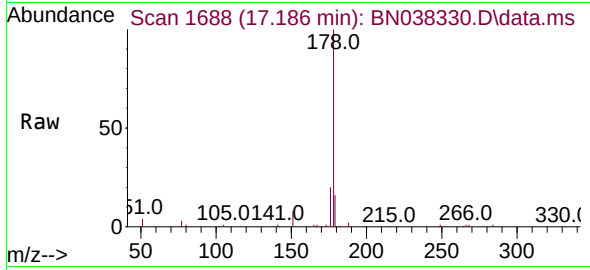




#25
Phenanthrene
Concen: 0.386 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

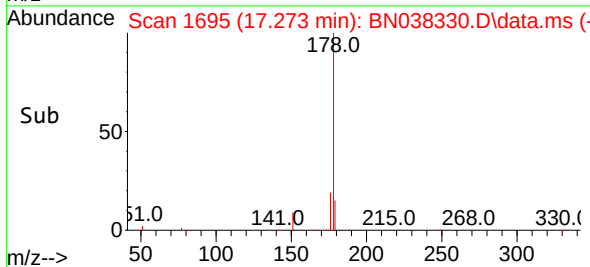
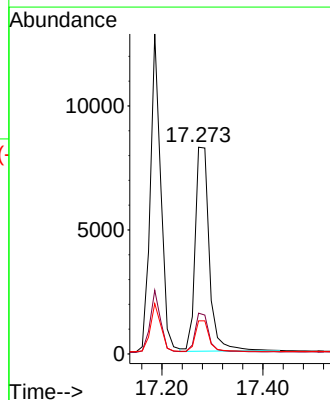
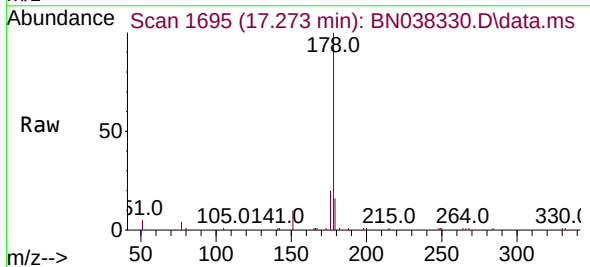
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

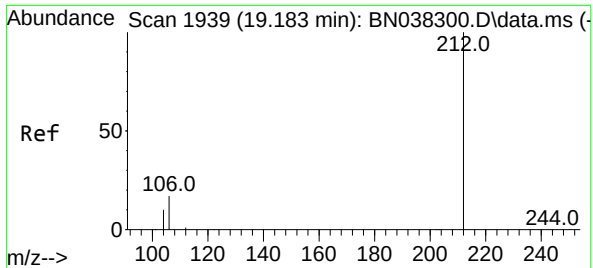
Tgt Ion:178 Resp: 18585
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.5 12.2 18.2



#26
Anthracene
Concen: 0.383 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion:178 Resp: 15922
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.0 12.0 18.0

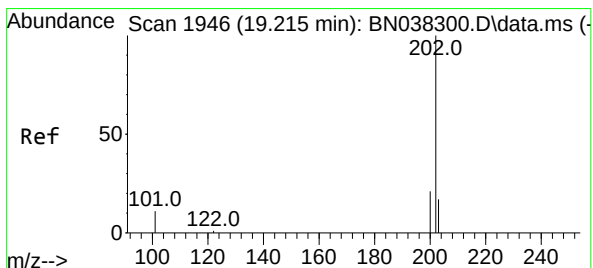
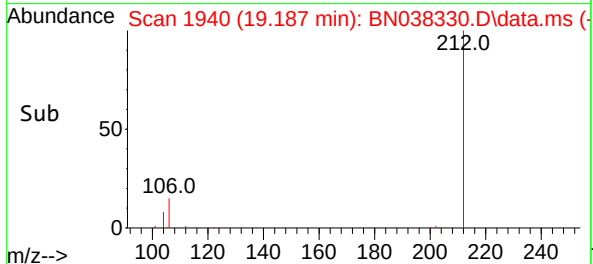
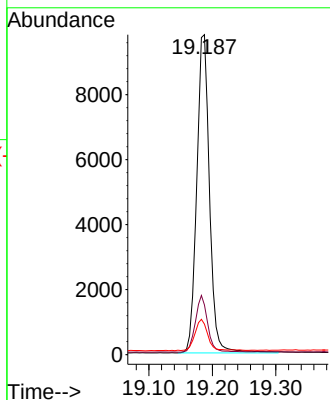
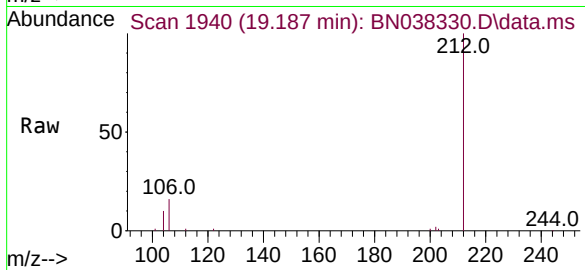




#27
Fluoranthene-d10
Concen: 0.399 ng
RT: 19.187 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

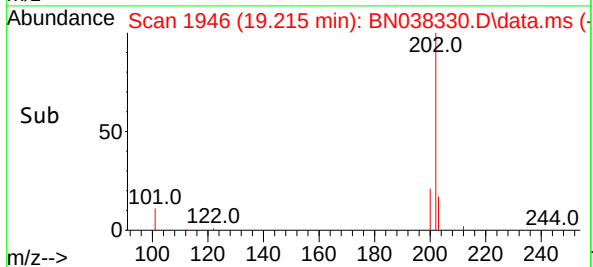
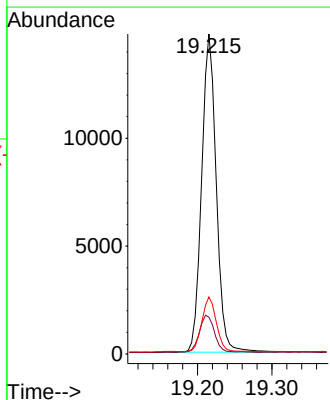
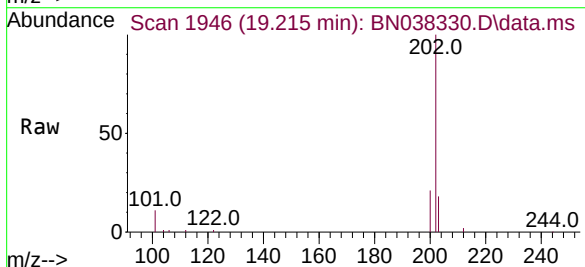
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

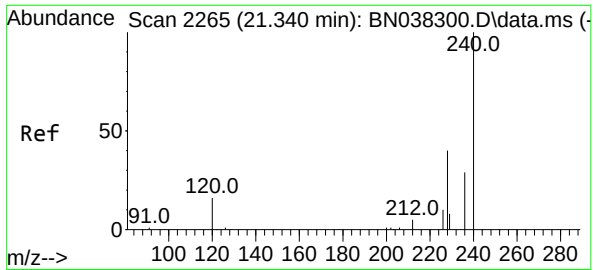
Tgt Ion	Ratio	Lower	Upper
212	100		
106	17.0	13.7	20.5
104	10.0	7.8	11.8



#28
Fluoranthene
Concen: 0.394 ng
RT: 19.215 min Scan# 1946
Delta R.T. -0.005 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.6	14.4
203	17.1	13.5	20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.339 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038330.D

Acq: 11 Dec 2025 23:59

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

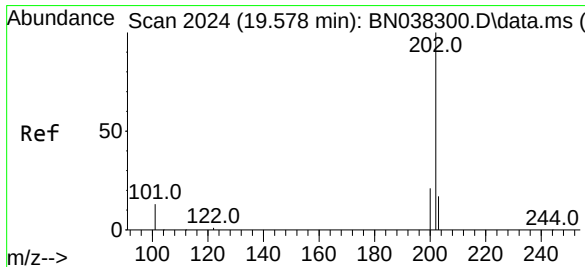
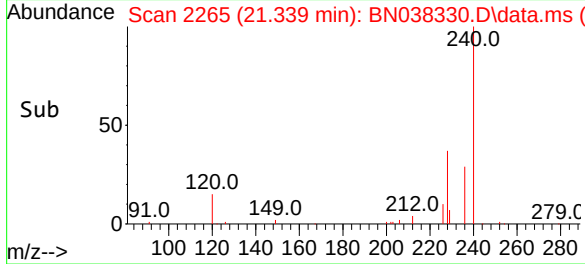
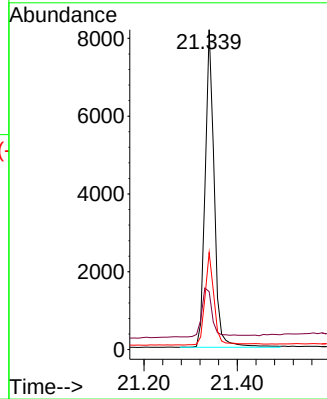
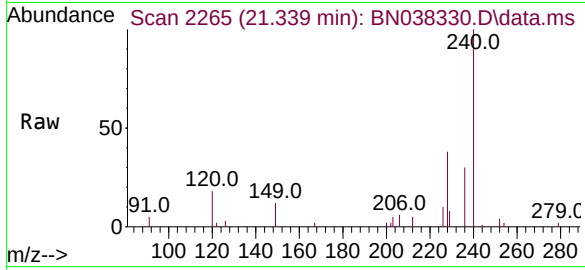
Tgt Ion:240 Resp: 10979

Ion Ratio Lower Upper

240 100

120 18.1 15.4 23.2

236 30.3 23.9 35.9



#30

Pyrene

Concen: 0.378 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.005 min

Lab File: BN038330.D

Acq: 11 Dec 2025 23:59

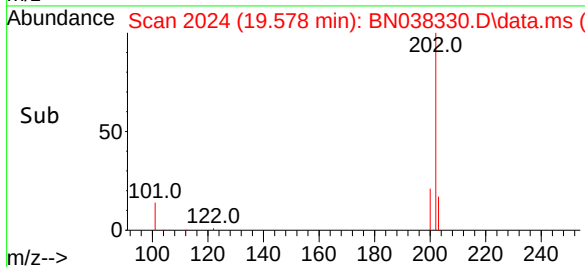
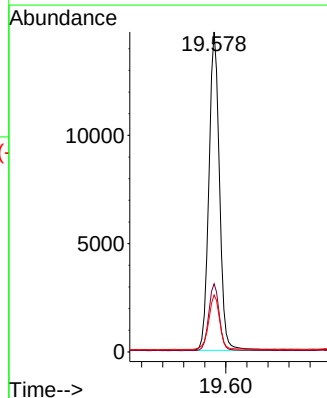
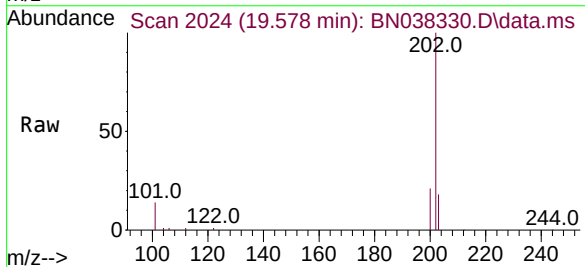
Tgt Ion:202 Resp: 20437

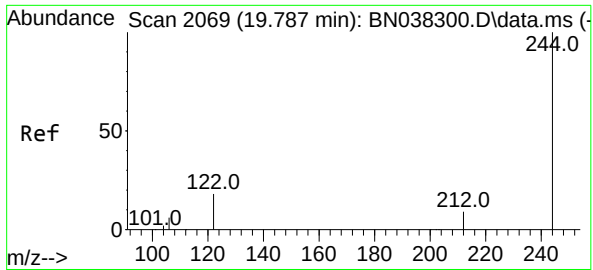
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.7 14.2 21.2

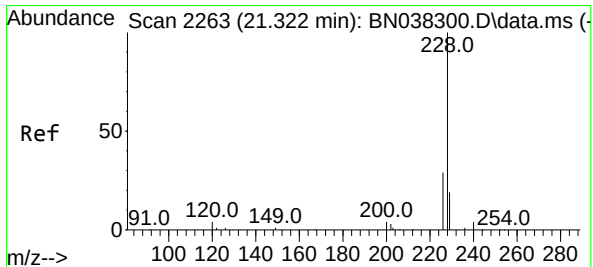
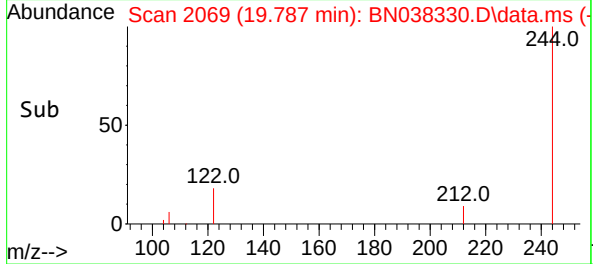
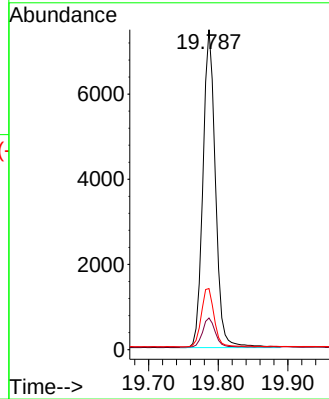
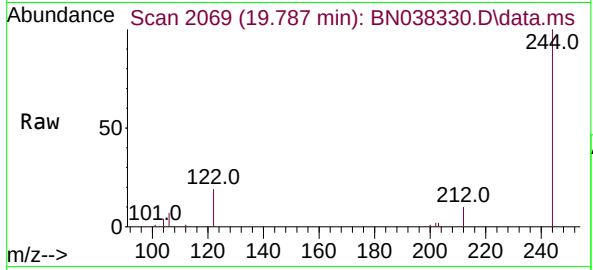




#31
Terphenyl-d14
Concen: 0.380 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

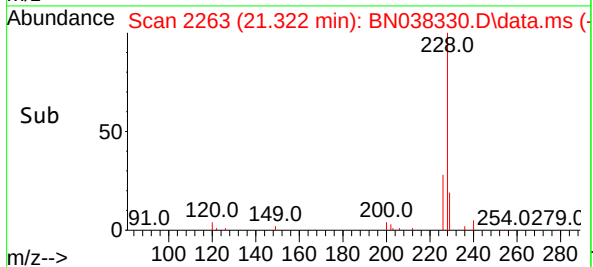
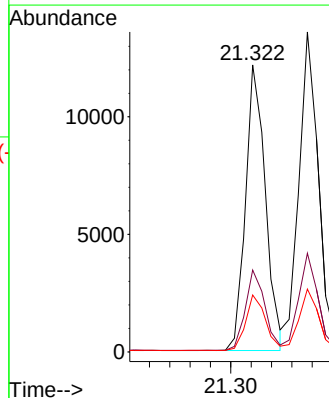
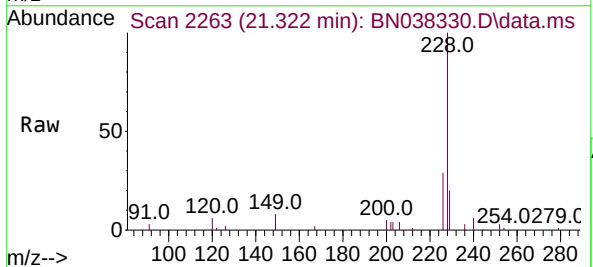
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

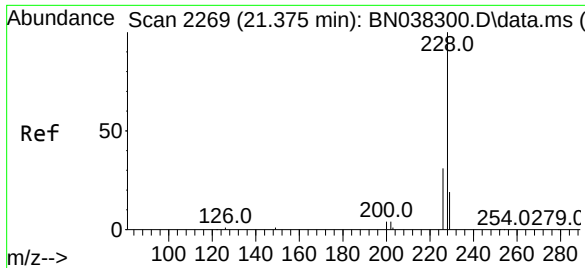
Tgt Ion:244 Resp: 9312
Ion Ratio Lower Upper
244 100
212 9.9 7.9 11.9
122 19.1 15.0 22.6



#32
Benzo(a)anthracene
Concen: 0.388 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion:228 Resp: 16446
Ion Ratio Lower Upper
228 100
226 28.5 23.3 34.9
229 19.8 15.7 23.5





#33

Chrysene

Concen: 0.398 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038330.D

Acq: 11 Dec 2025 23:59

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

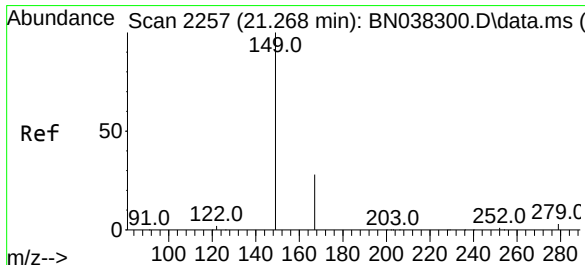
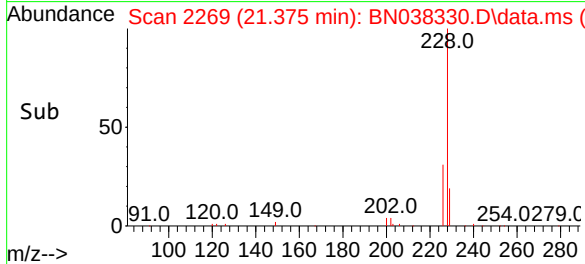
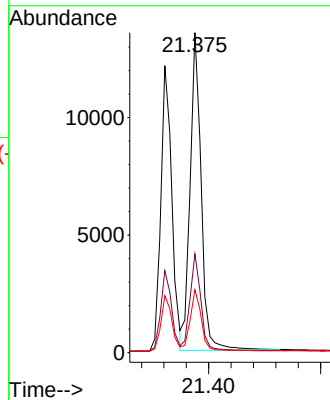
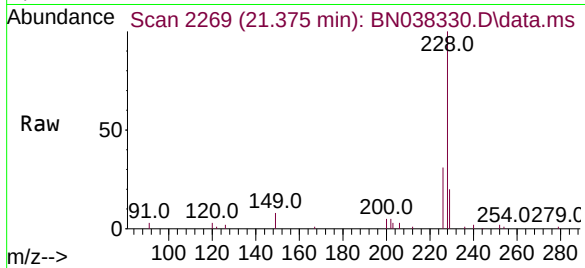
Tgt Ion:228 Resp: 18567

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.4

229 19.6 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.384 ng

RT: 21.268 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BN038330.D

Acq: 11 Dec 2025 23:59

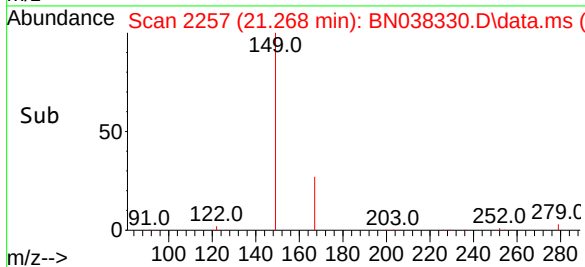
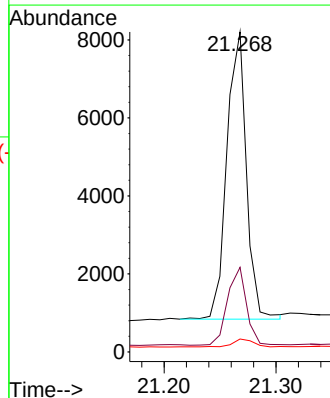
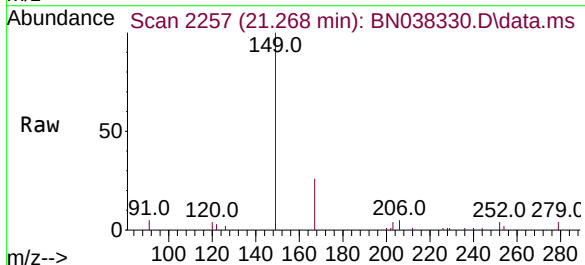
Tgt Ion:149 Resp: 8928

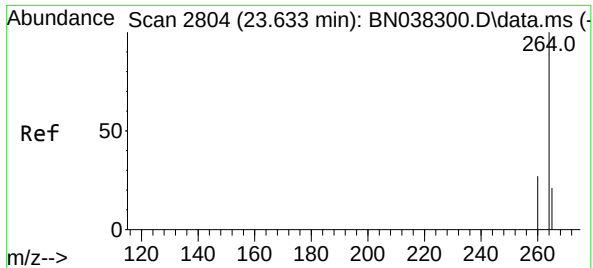
Ion Ratio Lower Upper

149 100

167 26.4 21.4 32.0

279 2.9 2.4 3.6

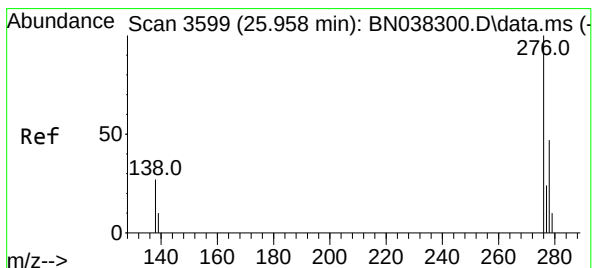
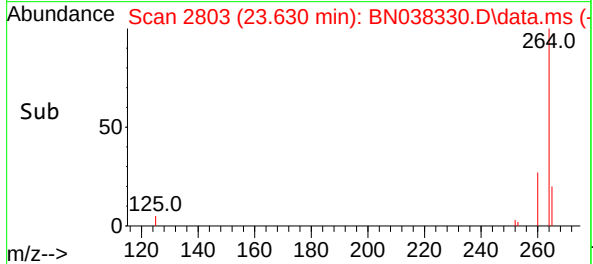
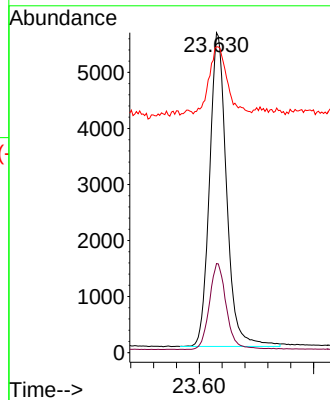
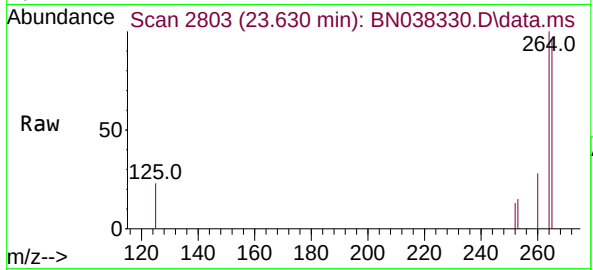




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.630 min Scan# 2804
Delta R.T. -0.003 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

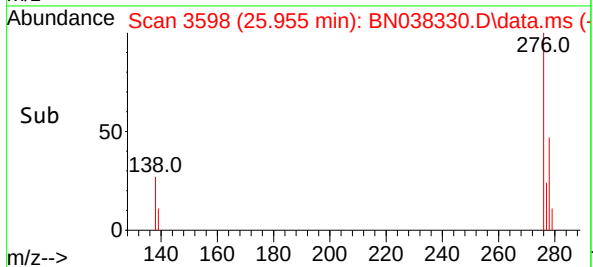
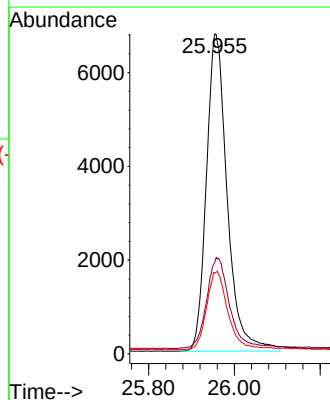
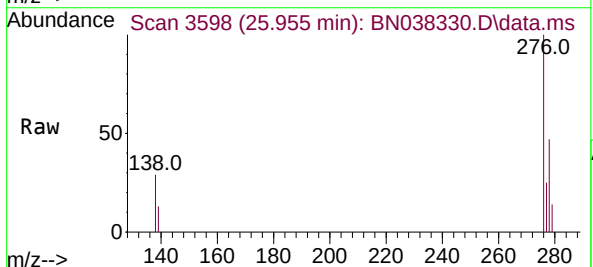
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

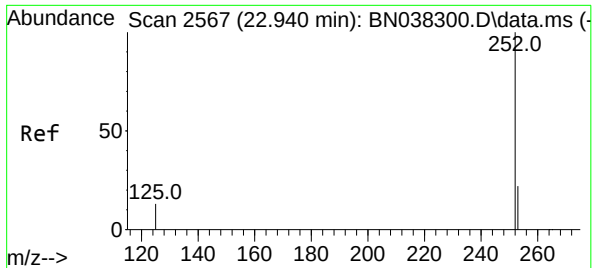
Tgt Ion:264 Resp: 11587
Ion Ratio Lower Upper
264 100
260 27.8 22.2 33.2
265 95.6 80.2 120.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.372 ng
RT: 25.955 min Scan# 3598
Delta R.T. -0.009 min
Lab File: BN038330.D
Acq: 11 Dec 2025 23:59

Tgt Ion:276 Resp: 22867
Ion Ratio Lower Upper
276 100
138 31.4 23.6 35.4
277 25.1 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.365 ng

RT: 22.940 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BN038330.D

Acq: 11 Dec 2025 23:59

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

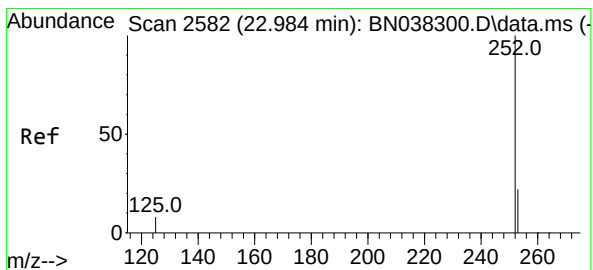
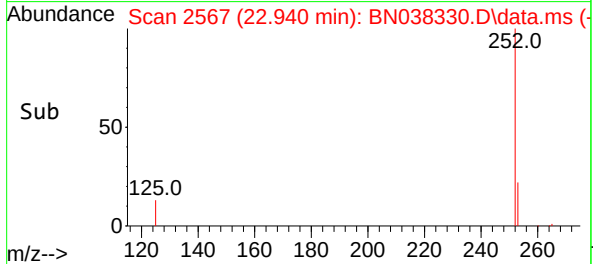
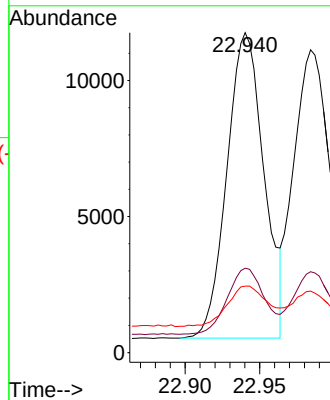
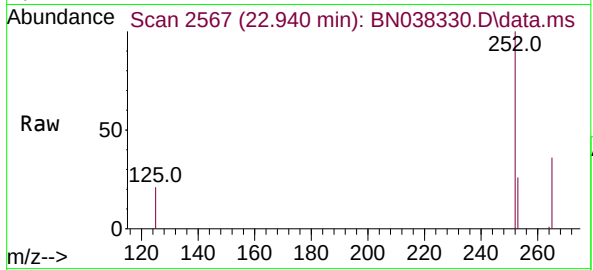
Tgt Ion:252 Resp: 19430

Ion Ratio Lower Upper

252 100

253 26.4 21.1 31.7

125 20.8 16.4 24.6



#38

Benzo(k)fluoranthene

Concen: 0.358 ng

RT: 22.984 min Scan# 2582

Delta R.T. -0.006 min

Lab File: BN038330.D

Acq: 11 Dec 2025 23:59

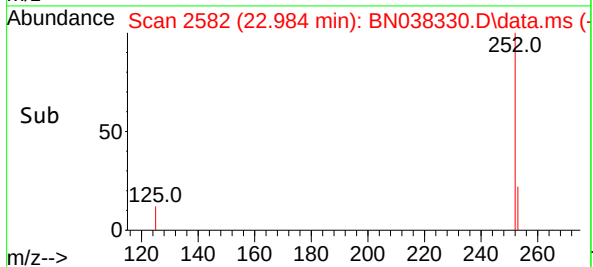
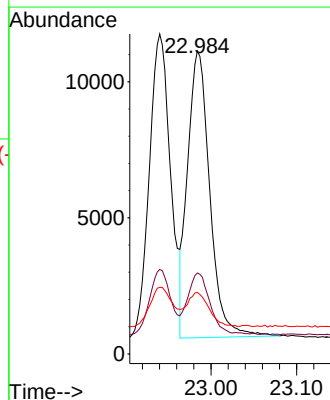
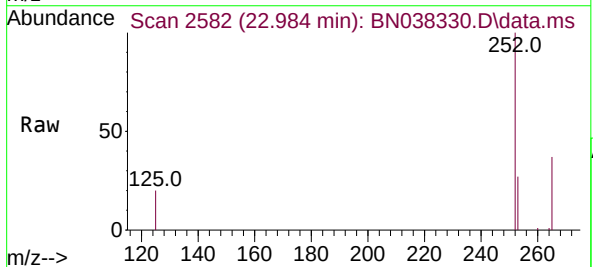
Tgt Ion:252 Resp: 18984

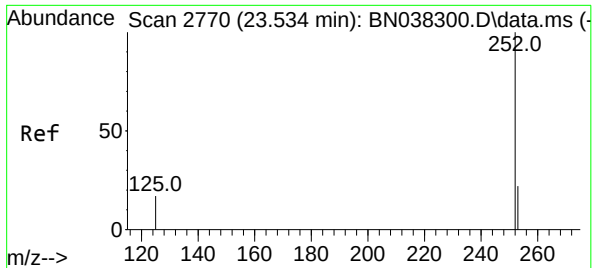
Ion Ratio Lower Upper

252 100

253 26.7 21.4 32.0

125 20.3 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.367 ng

RT: 23.534 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038330.D

Acq: 11 Dec 2025 23:59

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

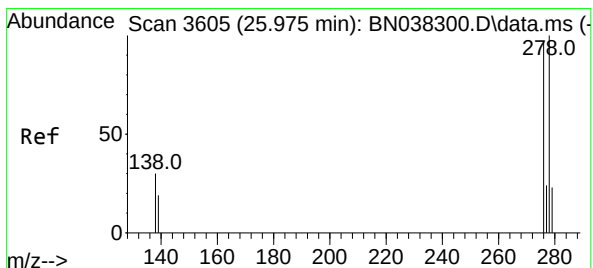
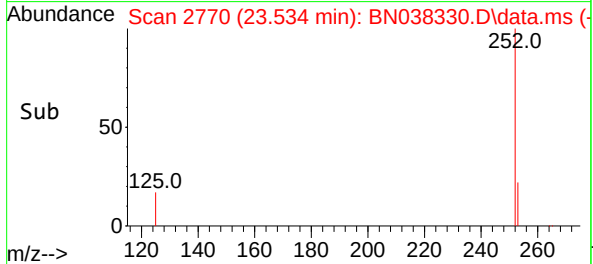
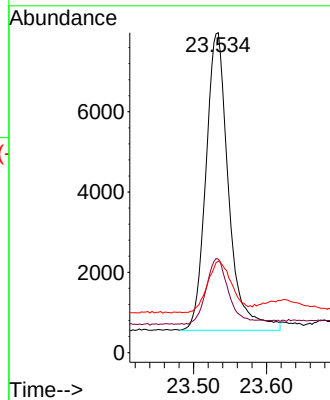
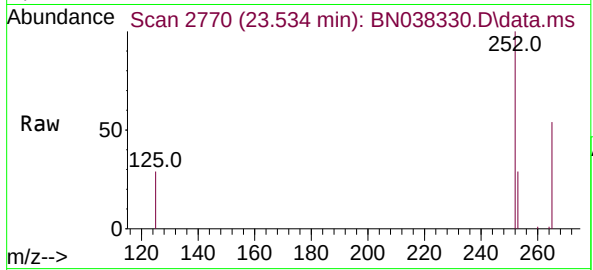
Tgt Ion:252 Resp: 15994

Ion Ratio Lower Upper

252 100

253 29.2 23.3 34.9

125 28.6 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.378 ng

RT: 25.975 min Scan# 3605

Delta R.T. -0.006 min

Lab File: BN038330.D

Acq: 11 Dec 2025 23:59

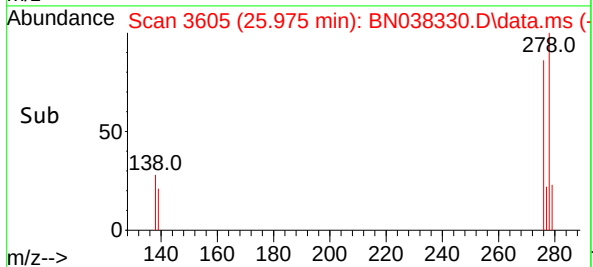
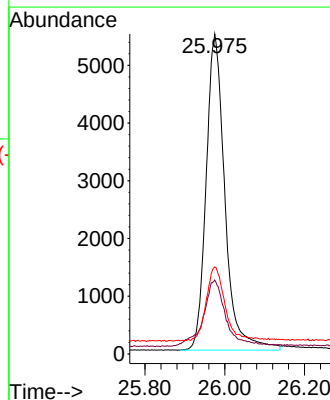
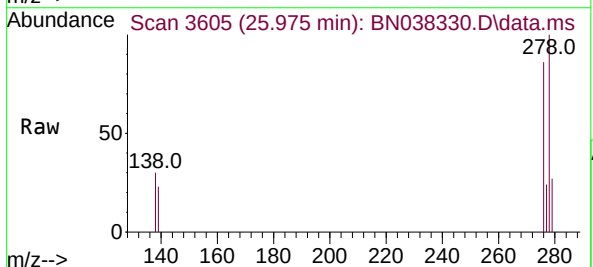
Tgt Ion:278 Resp: 17925

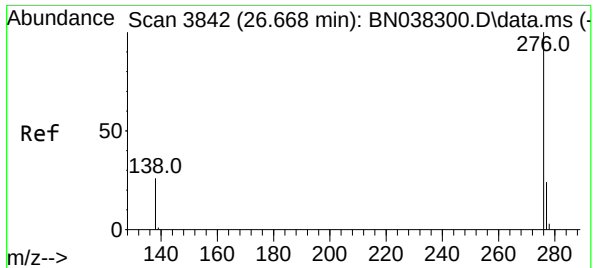
Ion Ratio Lower Upper

278 100

139 23.1 17.8 26.8

279 27.2 21.3 31.9





#41

Benzo(g,h,i)perylene

Concen: 0.366 ng

RT: 26.668 min Scan# 38

Delta R.T. -0.009 min

Lab File: BN038330.D

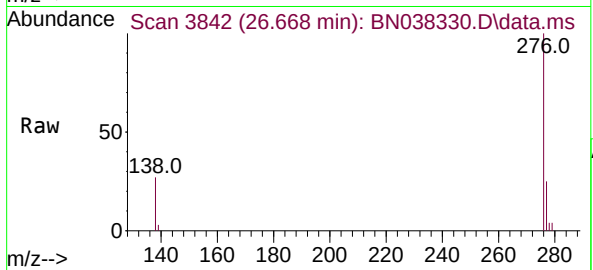
Acq: 11 Dec 2025 23:59

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



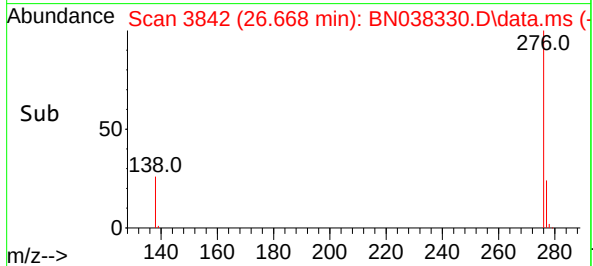
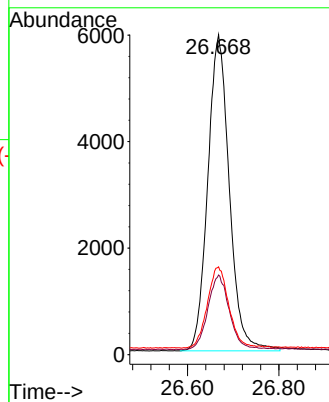
Tgt Ion:276 Resp: 19418

Ion Ratio Lower Upper

276 100

277 24.9 20.0 30.0

138 27.4 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
 Data File : BN038330.D
 Acq On : 11 Dec 2025 23:59
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Dec 12 00:29:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 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	86	0.00
2	1,4-Dioxane	0.459	0.479	-4.4	88	0.00
3	n-Nitrosodimethylamine	0.575	0.553	3.8	83	0.00
4 S	2-Fluorophenol	0.996	0.984	1.2	85	0.00
5 S	Phenol-d6	1.184	1.177	0.6	88	0.00
6	bis(2-Chloroethyl)ether	1.158	1.162	-0.3	85	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	88	-0.01
8 S	Nitrobenzene-d5	0.337	0.326	3.3	87	0.00
9	Naphthalene	1.182	1.169	1.1	88	0.00
10	Hexachlorobutadiene	0.210	0.207	1.4	87	0.00
11 SURR	2-Methylnaphthalene-d10	0.564	0.557	1.2	89	0.00
12	2-Methylnaphthalene	0.751	0.743	1.1	89	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	92	-0.01
14 S	2,4,6-Tribromophenol	0.177	0.159	10.2	87	0.00
15 S	2-Fluorobiphenyl	1.927	1.919	0.4	89	0.00
16	Acenaphthylene	1.964	1.893	3.6	91	0.00
17	Acenaphthene	1.369	1.285	6.1	88	-0.01
18	Fluorene	1.761	1.701	3.4	91	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
20	4,6-Dinitro-2-methylphenol	0.066	0.010	84.8#	16#	0.01
21	4-Bromophenyl-phenylether	0.297	0.283	4.7	92	0.00
22	Hexachlorobenzene	0.357	0.346	3.1	92	-0.01
23	Atrazine	0.202	0.192	5.0	94	0.00
24	Pentachlorophenol	0.139	0.014	89.9#	11#	0.00
25	Phenanthrene	1.392	1.343	3.5	92	0.00
26	Anthracene	1.200	1.151	4.1	94	-0.01
27 SURR	Fluoranthene-d10	0.989	0.988	0.1	94	0.00
28	Fluoranthene	1.480	1.458	1.5	93	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	95	0.00
30	Pyrene	1.969	1.861	5.5	92	0.00
31 S	Terphenyl-d14	0.893	0.848	5.0	92	0.00
32	Benzo(a)anthracene	1.545	1.498	3.0	97	0.00
33	Chrysene	1.701	1.691	0.6	94	0.00
34	Bis(2-ethylhexyl)phthalate	0.848	0.813	4.1	92	0.00
35 I	Perylene-d12	1.000	1.000	0.0	101	0.00
36	Indeno(1,2,3-cd)pyrene	2.123	1.974	7.0	94	0.00
37	Benzo(b)fluoranthene	1.837	1.677	8.7	95	0.00
38	Benzo(k)fluoranthene	1.832	1.638	10.6	92	0.00
39 C	Benzo(a)pyrene	1.503	1.380	8.2	95	0.00
40	Dibenzo(a,h)anthracene	1.637	1.547	5.5	96	0.00
41	Benzo(g,h,i)perylene	1.829	1.676	8.4	93	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\BN121125\
 Data File : BN038330.D
 Acq On : 11 Dec 2025 23:59
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Dec 12 00:29:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 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	86	0.00
2	1,4-Dioxane	0.400	0.418	-4.5	88	0.00
3	n-Nitrosodimethylamine	0.400	0.385	3.8	83	0.00
4 S	2-Fluorophenol	0.400	0.395	1.3	85	0.00
5 S	Phenol-d6	0.400	0.398	0.5	88	0.00
6	bis(2-Chloroethyl)ether	0.400	0.401	-0.3	85	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	88	-0.01
8 S	Nitrobenzene-d5	0.400	0.387	3.3	87	0.00
9	Naphthalene	0.400	0.395	1.3	88	0.00
10	Hexachlorobutadiene	0.400	0.394	1.5	87	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.395	1.3	89	0.00
12	2-Methylnaphthalene	0.400	0.396	1.0	89	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	92	-0.01
14 S	2,4,6-Tribromophenol	0.400	0.358	10.5	87	0.00
15 S	2-Fluorobiphenyl	0.400	0.398	0.5	89	0.00
16	Acenaphthylene	0.400	0.386	3.5	91	0.00
17	Acenaphthene	0.400	0.376	6.0	88	-0.01
18	Fluorene	0.400	0.386	3.5	91	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	93	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.058	85.5#	16	0.01
21	4-Bromophenyl-phenylether	0.400	0.381	4.8	92	0.00
22	Hexachlorobenzene	0.400	0.388	3.0	92	-0.01
23	Atrazine	0.400	0.380	5.0	94	0.00
24	Pentachlorophenol	0.400	0.041	89.8#	11	0.00
25	Phenanthrene	0.400	0.386	3.5	92	0.00
26	Anthracene	0.400	0.383	4.3	94	-0.01
27 SURR	Fluoranthene-d10	0.400	0.399	0.3	94	0.00
28	Fluoranthene	0.400	0.394	1.5	93	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	95	0.00
30	Pyrene	0.400	0.378	5.5	92	0.00
31 S	Terphenyl-d14	0.400	0.380	5.0	92	0.00
32	Benzo(a)anthracene	0.400	0.388	3.0	97	0.00
33	Chrysene	0.400	0.398	0.5	94	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.384	4.0	92	0.00
35 I	Perylene-d12	0.400	0.400	0.0	101	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.372	7.0	94	0.00
37	Benzo(b)fluoranthene	0.400	0.365	8.8	95	0.00
38	Benzo(k)fluoranthene	0.400	0.358	10.5	92	0.00
39 C	Benzo(a)pyrene	0.400	0.367	8.3	95	0.00
40	Dibenzo(a,h)anthracene	0.400	0.378	5.5	96	0.00
41	Benzo(g,h,i)perylene	0.400	0.366	8.5	93	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:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3788</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>12/12/2025 09:24</u>
Lab File ID:	<u>BN038343.D</u>	Init. Calib. Date(s):	<u>12/10/2025 12/10/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4</u>	Init. Calib. Time(s):	<u>09:52 13:30</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.564	0.557		-1.2	20.0
Fluoranthene-d10	0.990	1.007		1.7	20.0
2-Fluorophenol	0.996	0.966		-3.0	20.0
Phenol-d6	1.184	1.162		-1.9	20.0
Nitrobenzene-d5	0.337	0.317		-5.9	20.0
2-Fluorobiphenyl	1.914	1.930		0.8	20.0
2,4,6-Tribromophenol	0.177	0.159		-10.2	20.0
Terphenyl-d14	0.893	0.853		-4.5	20.0
1,4-Dioxane	0.459	0.488		6.3	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038343.D
 Acq On : 12 Dec 2025 09:24
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Dec 12 09:59:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5196	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	14288	0.400	ng	#-0.01
13) Acenaphthene-d10	14.387	164	7596	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	14177	0.400	ng	0.00
29) Chrysene-d12	21.339	240	11670	0.400	ng	0.00
35) Perylene-d12	23.633	264	12444	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	5018	0.388	ng	0.00
5) Phenol-d6	6.886	99	6038	0.392	ng	0.00
8) Nitrobenzene-d5	8.875	82	4529	0.376	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	7953	0.395	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1211	0.359	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	14661	0.401	ng	0.00
27) Fluoranthene-d10	19.183	212	14274	0.407	ng	0.00
31) Terphenyl-d14	19.787	244	9959	0.382	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	2538	0.426	ng	98
3) n-Nitrosodimethylamine	3.507	42	2757	0.369	ng	# 94
6) bis(2-Chloroethyl)ether	7.139	93	6110	0.406	ng	100
9) Naphthalene	10.573	128	16530	0.391	ng	100
10) Hexachlorobutadiene	10.872	225	2924	0.389	ng	# 100
12) 2-Methylnaphthalene	12.197	142	10559	0.394	ng	100
16) Acenaphthylene	14.110	152	14114	0.378	ng	99
17) Acenaphthene	14.452	154	9849	0.379	ng	97
18) Fluorene	15.446	166	12900	0.386	ng	100
20) 4,6-Dinitro-2-methylph...	15.522	198	182	0.078	ng	# 1
21) 4-Bromophenyl-phenylether	16.342	248	4006	0.381	ng	99
22) Hexachlorobenzene	16.453	284	4990	0.395	ng	98
23) Atrazine	16.615	200	2706	0.377	ng	98
24) Pentachlorophenol	16.801	266	912	0.185	ng	99
25) Phenanthrene	17.186	178	19077	0.387	ng	100
26) Anthracene	17.273	178	16452	0.387	ng	99
28) Fluoranthene	19.215	202	21105	0.402	ng	100
30) Pyrene	19.578	202	21243	0.370	ng	100
32) Benzo(a)anthracene	21.322	228	17188	0.381	ng	99
33) Chrysene	21.375	228	19898	0.401	ng	100
34) Bis(2-ethylhexyl)phtha...	21.268	149	8597	0.348	ng	100
36) Indeno(1,2,3-cd)pyrene	25.955	276	23803	0.360	ng	98
37) Benzo(b)fluoranthene	22.937	252	20494	0.359	ng	98
38) Benzo(k)fluoranthene	22.984	252	20086	0.352	ng	100
39) Benzo(a)pyrene	23.531	252	16745	0.358	ng	97
40) Dibenzo(a,h)anthracene	25.972	278	18552	0.364	ng	99
41) Benzo(g,h,i)perylene	26.659	276	20585	0.362	ng	100

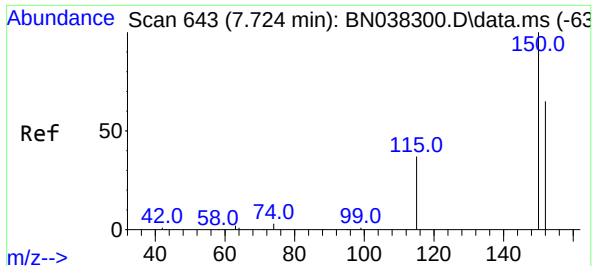
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Abundance

TIC: BN038343.D\data.ms

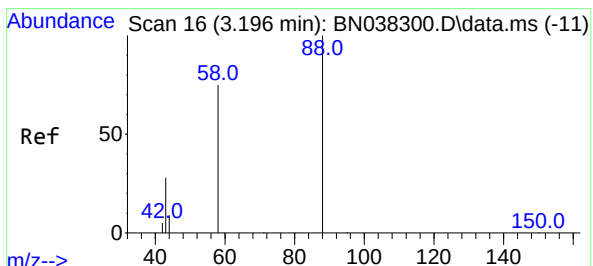
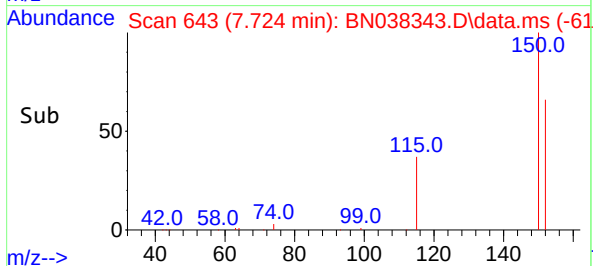
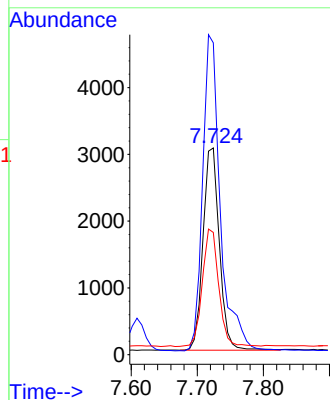
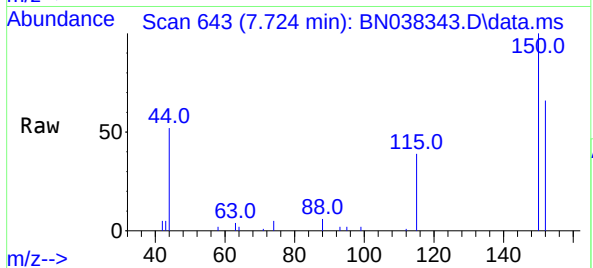
Time-->



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

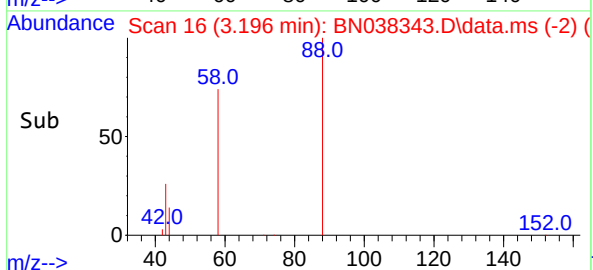
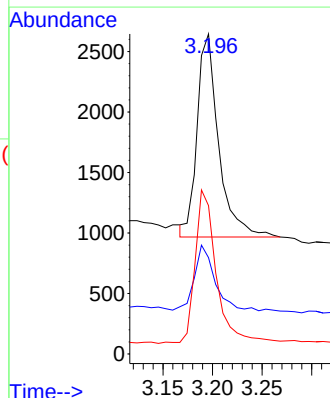
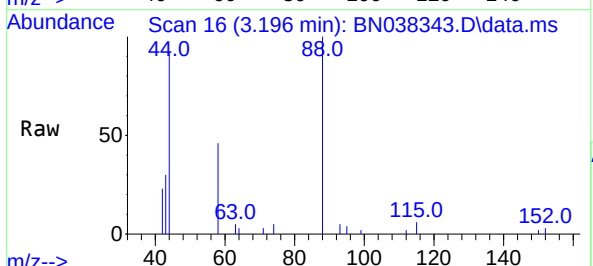
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5196
Ion Ratio Lower Upper
152 100
150 150.9 122.4 183.6
115 59.1 47.3 70.9

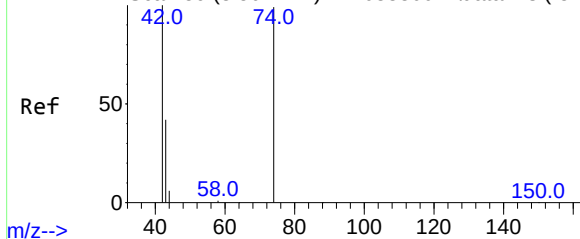


#2
1,4-Dioxane
Concen: 0.426 ng
RT: 3.196 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

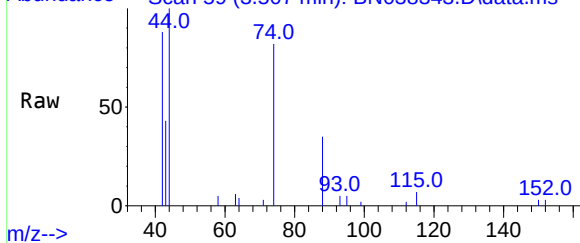
Tgt Ion: 88 Resp: 2538
Ion Ratio Lower Upper
88 100
43 31.6 24.9 37.3
58 74.9 61.4 92.0



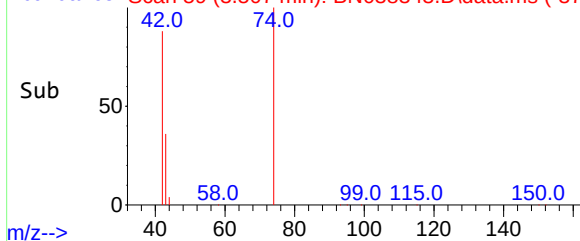
Abundance Scan 59 (3.507 min): BN038300.D\data.ms (-52)



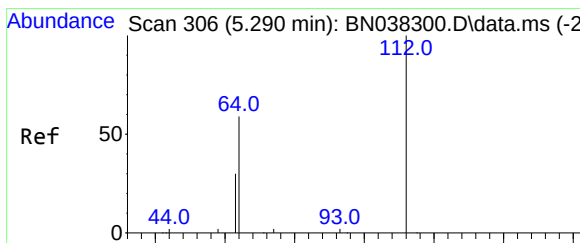
m/z--> Abundance Scan 59 (3.507 min): BN038343.D\data.ms



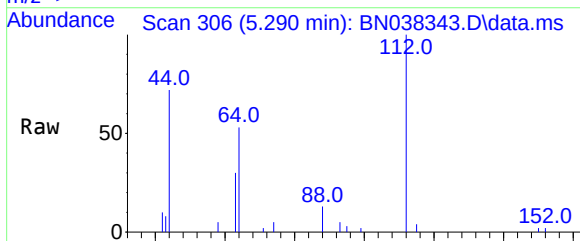
m/z--> Abundance Scan 59 (3.507 min): BN038343.D\data.ms (-37)



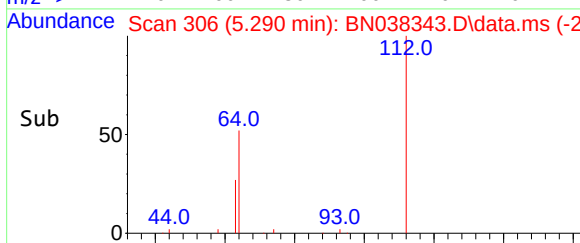
m/z--> Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29)



m/z--> Abundance Scan 306 (5.290 min): BN038343.D\data.ms



m/z--> Abundance Scan 306 (5.290 min): BN038343.D\data.ms (-27)



m/z--> Abundance

#3

n-Nitrosodimethylamine

Concen: 0.369 ng

RT: 3.507 min Scan# 59

Delta R.T. 0.007 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 42 Resp: 2757

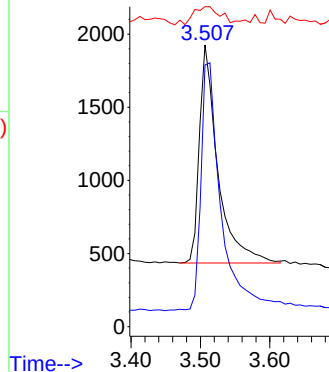
Ion Ratio Lower Upper

42 100

74 125.6 95.3 142.9

44 12.9 7.9 11.9#

Abundance



#4

2-Fluorophenol

Concen: 0.388 ng

RT: 5.290 min Scan# 306

Delta R.T. -0.000 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Tgt Ion: 112 Resp: 5018

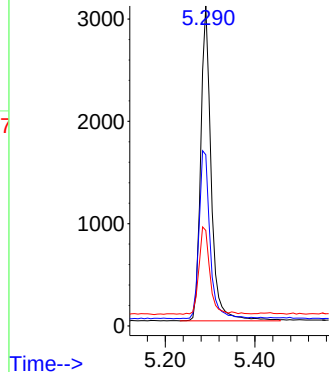
Ion Ratio Lower Upper

112 100

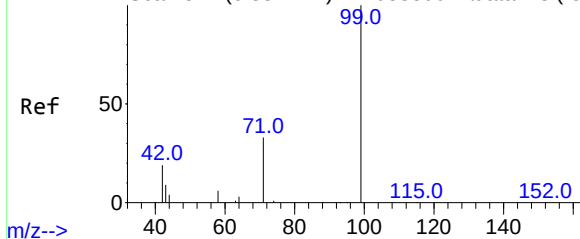
64 56.0 44.4 66.6

63 28.1 23.4 35.0

Abundance



Abundance Scan 527 (6.887 min): BN038300.D\data.ms (-52



#5

Phenol-d6

Concen: 0.392 ng

RT: 6.886 min Scan# 51

Delta R.T. -0.000 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 99 Resp: 6038

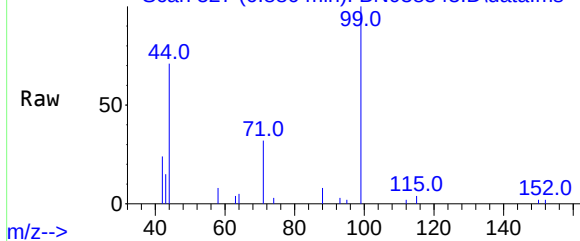
Ion Ratio Lower Upper

99 100

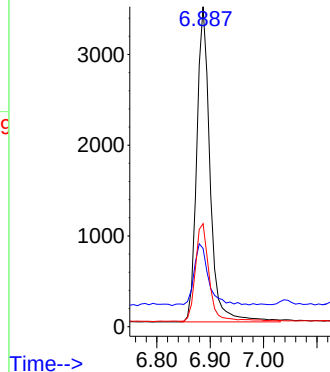
42 21.7 16.5 24.7

71 31.1 24.9 37.3

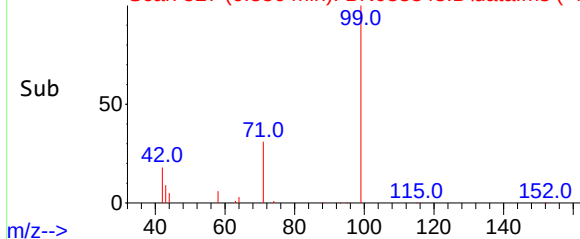
Abundance Scan 527 (6.886 min): BN038343.D\data.ms



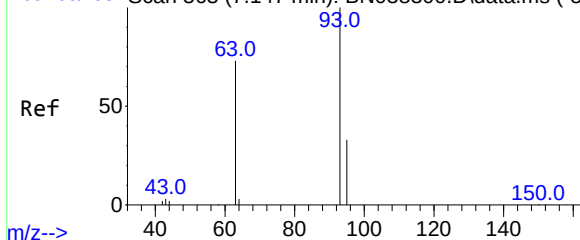
Abundance



Abundance Scan 527 (6.886 min): BN038343.D\data.ms (-49



Abundance Scan 563 (7.147 min): BN038300.D\data.ms (-55



#6

bis(2-Chloroethyl)ether

Concen: 0.406 ng

RT: 7.139 min Scan# 562

Delta R.T. -0.007 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Tgt Ion: 93 Resp: 6110

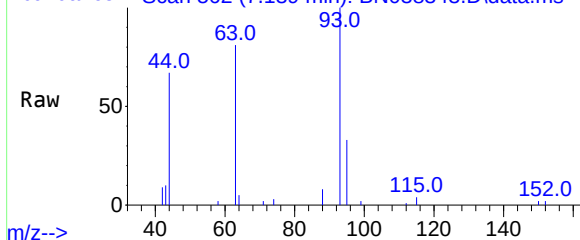
Ion Ratio Lower Upper

93 100

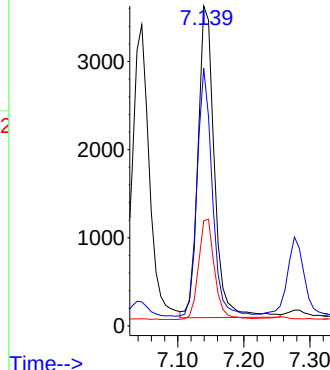
63 73.9 59.2 88.8

95 31.5 25.2 37.8

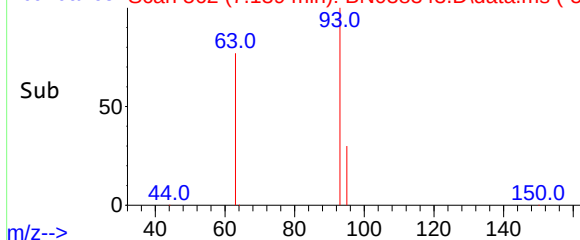
Abundance Scan 562 (7.139 min): BN038343.D\data.ms

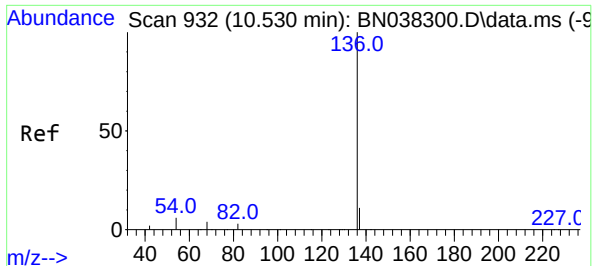


Abundance



Abundance Scan 562 (7.139 min): BN038343.D\data.ms (-52

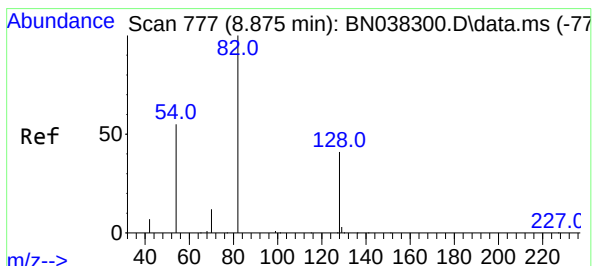
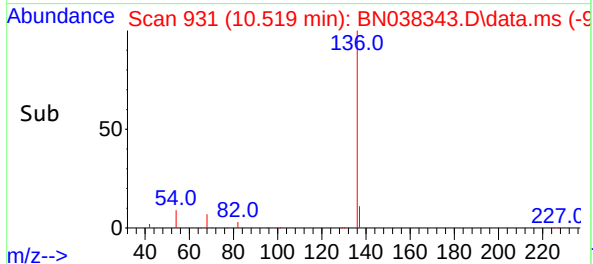
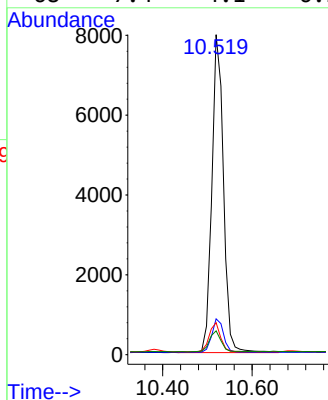
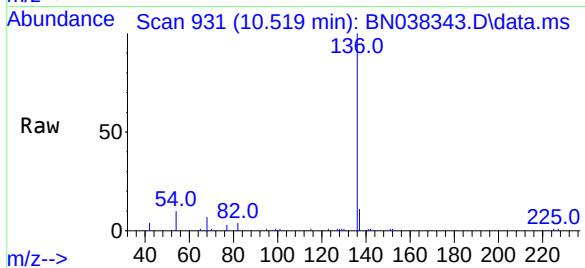




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 911
Delta R.T. -0.011 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

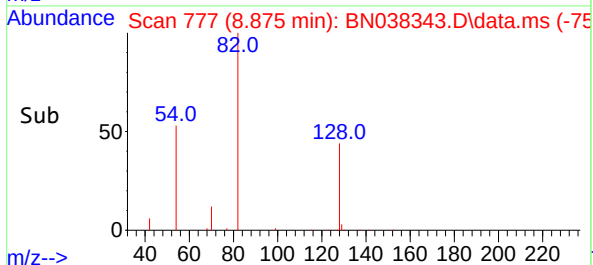
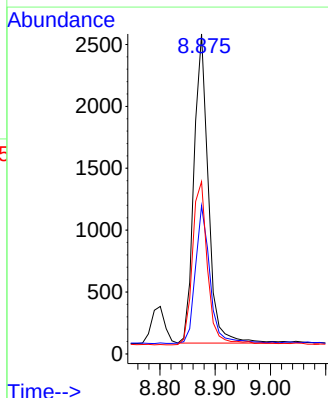
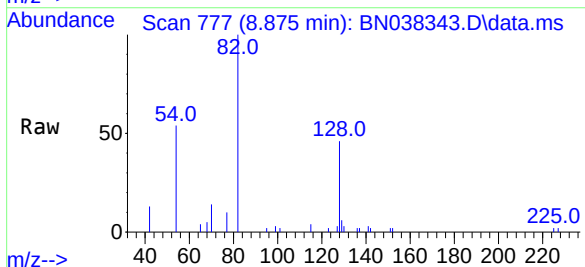
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

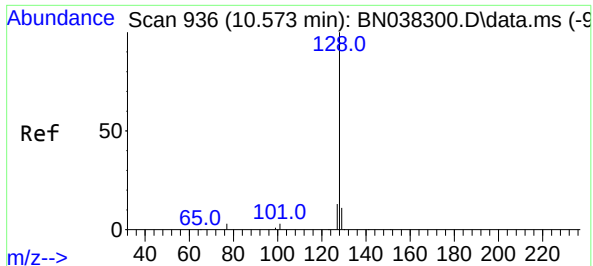
Tgt Ion:136 Resp: 14288
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 10.0 5.2 7.8#
68 7.4 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.376 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion: 82 Resp: 4529
Ion Ratio Lower Upper
82 100
128 46.3 34.0 51.0
54 53.8 44.4 66.6

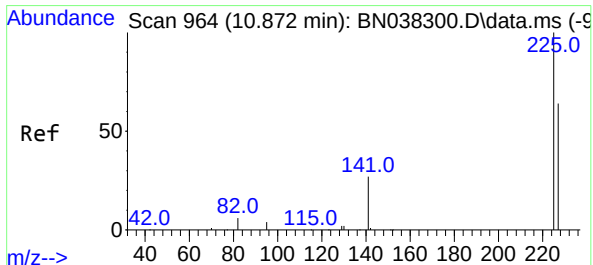
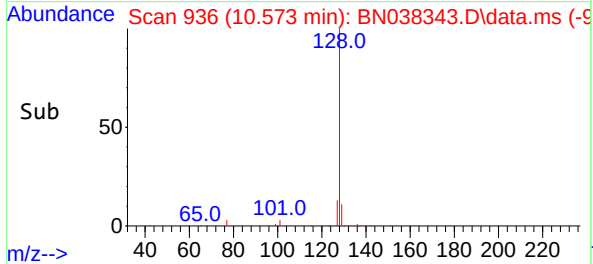
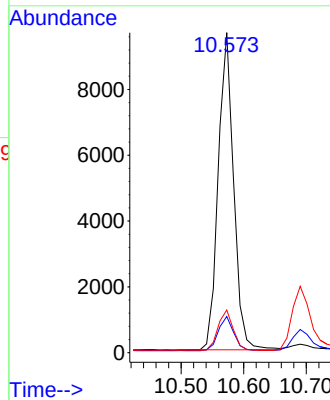
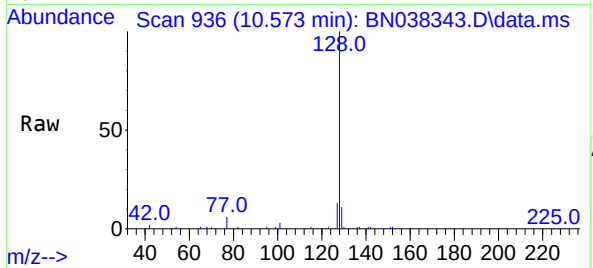




#9
Naphthalene
Concen: 0.391 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

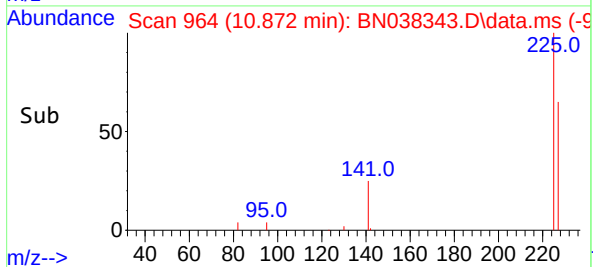
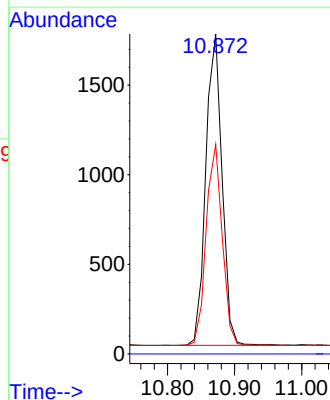
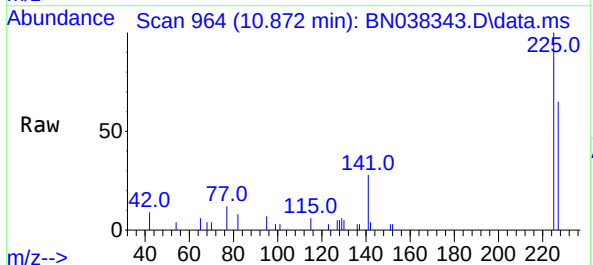
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

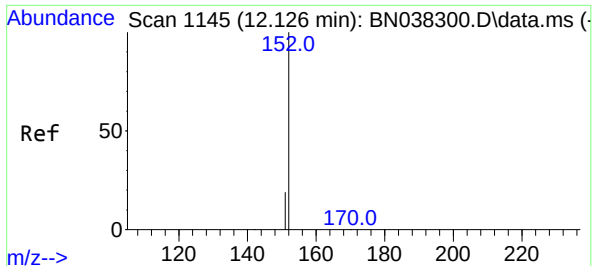
Tgt Ion:128 Resp: 16530
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.3 10.9 16.3



#10
Hexachlorobutadiene
Concen: 0.389 ng
RT: 10.872 min Scan# 964
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:225 Resp: 2924
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.1 51.2 76.8

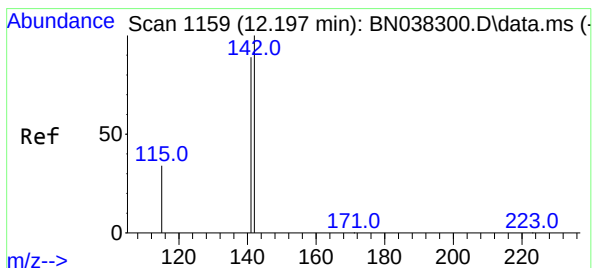
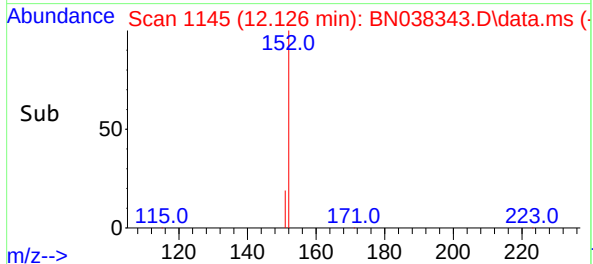
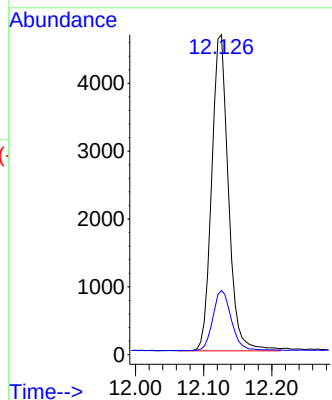
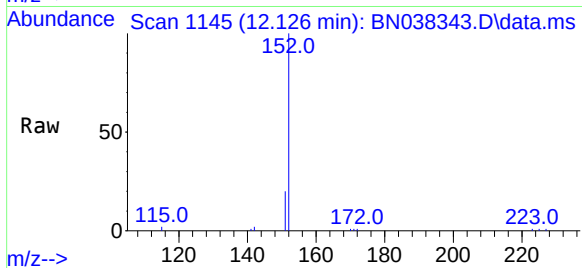




#11
2-Methylnaphthalene-d10
Concen: 0.395 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

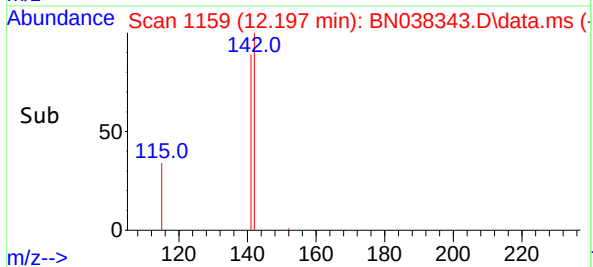
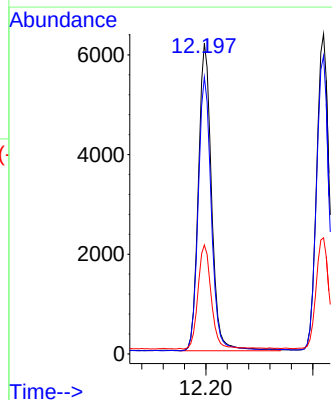
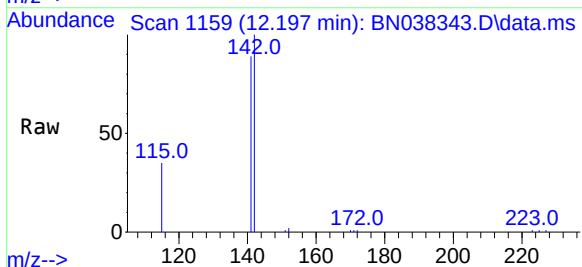
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

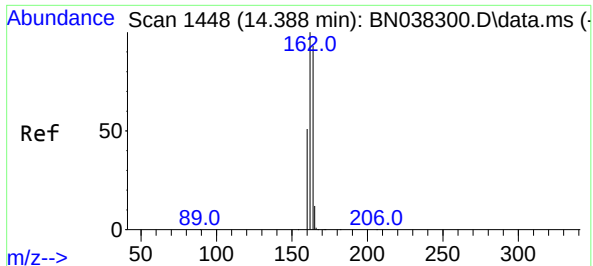
Tgt Ion:152 Resp: 7953
Ion Ratio Lower Upper
152 100
151 21.0 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.394 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:142 Resp: 10559
Ion Ratio Lower Upper
142 100
141 89.1 71.4 107.2
115 35.1 28.4 42.6

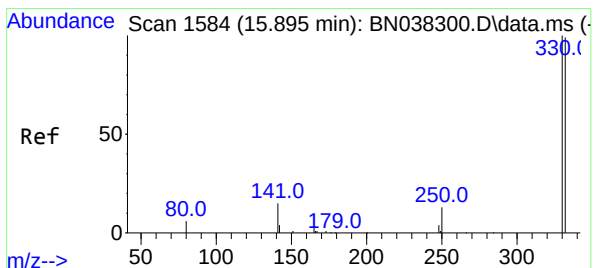
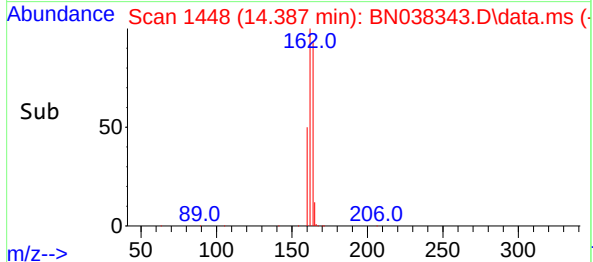
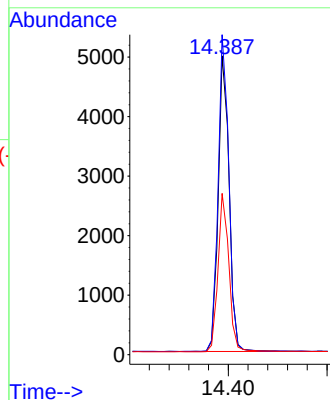
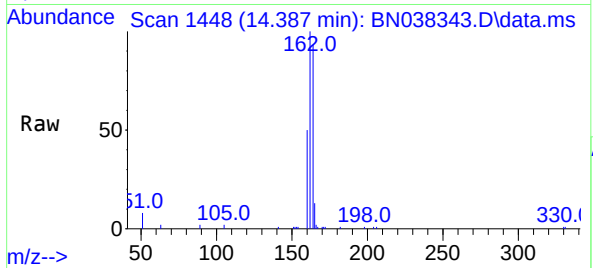




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.387 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

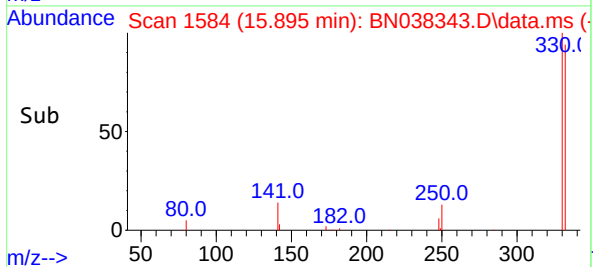
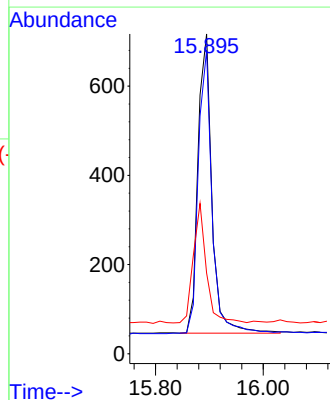
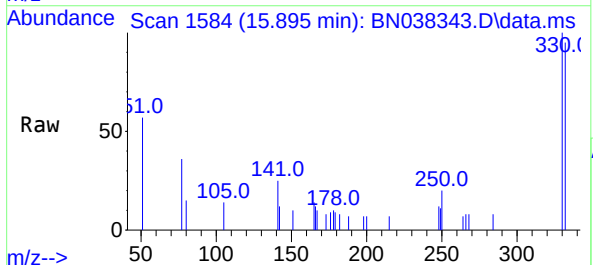
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

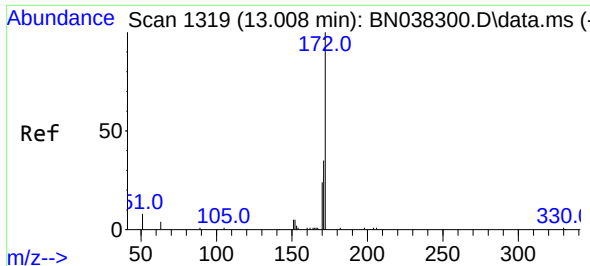
Tgt Ion:164 Resp: 7596
Ion Ratio Lower Upper
164 100
162 107.1 86.2 129.4
160 54.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.359 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:330 Resp: 1211
Ion Ratio Lower Upper
330 100
332 94.1 75.8 113.6
141 37.2 31.8 47.8

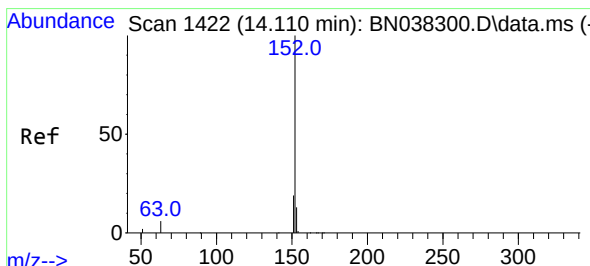
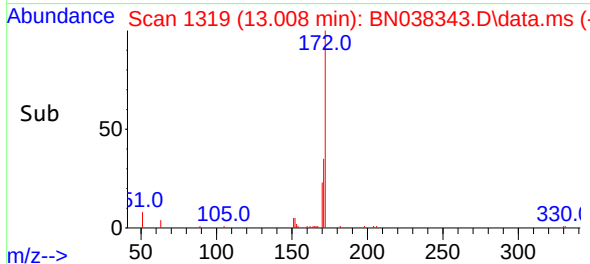
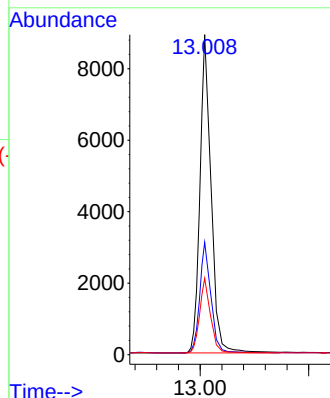
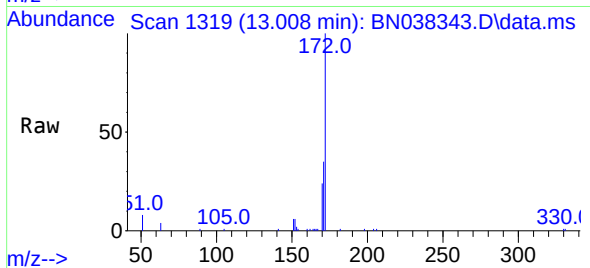




#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 13.008 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

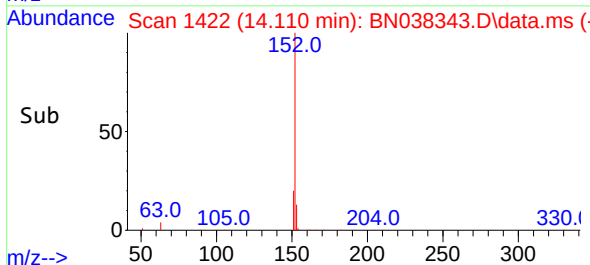
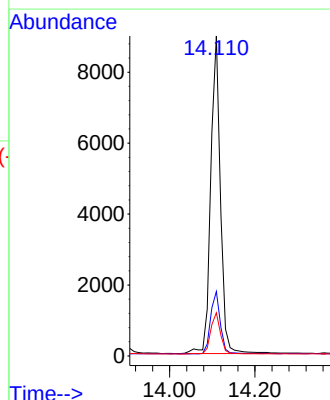
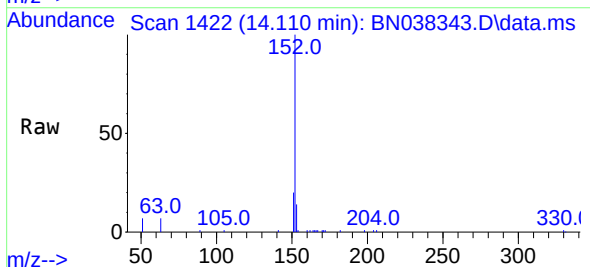
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

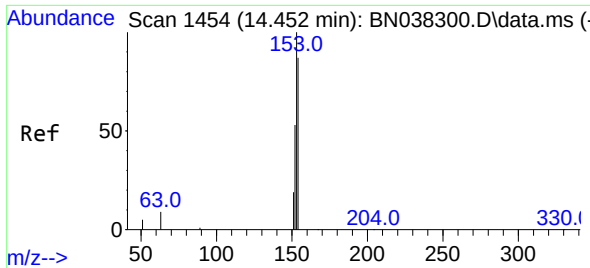
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.8	19.3	28.9



#16
Acenaphthylene
Concen: 0.378 ng
RT: 14.110 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	13.2	10.2	15.4

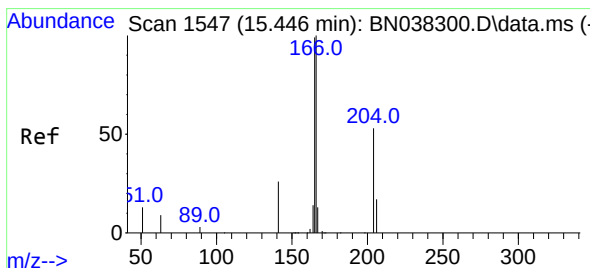
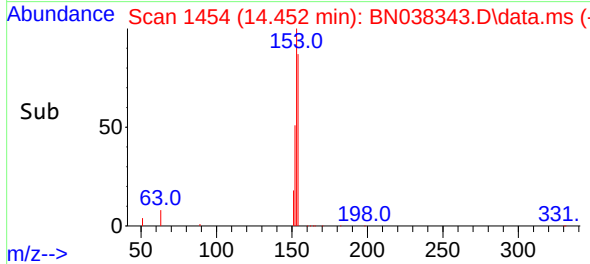
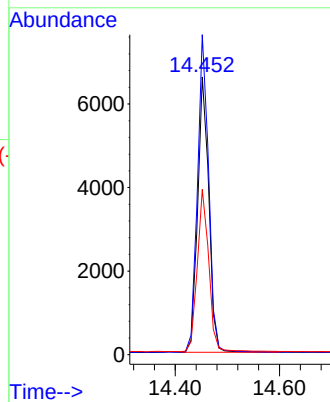
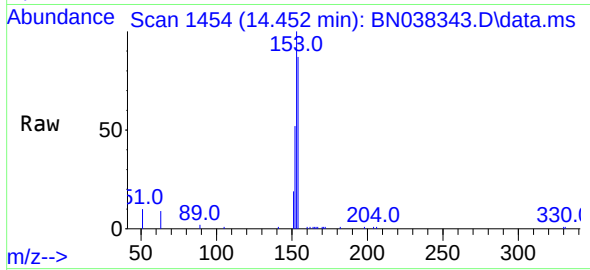




#17
Acenaphthene
Concen: 0.379 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

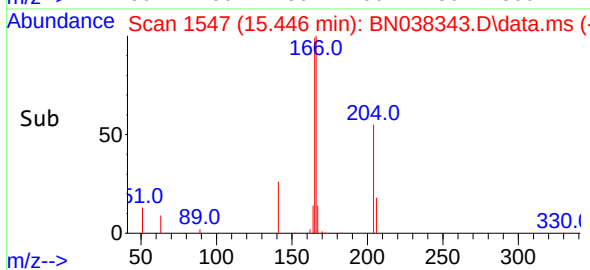
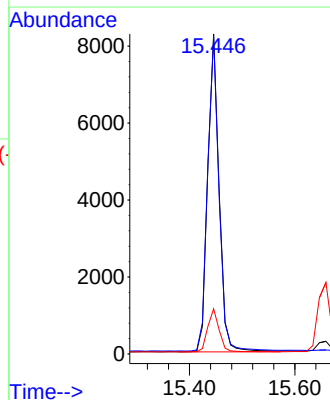
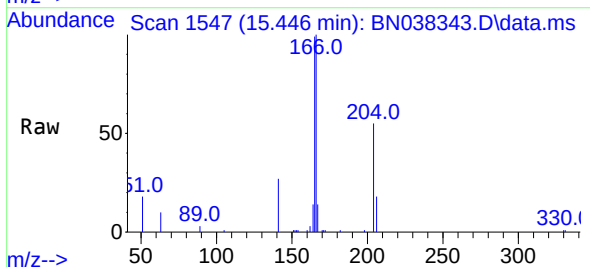
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

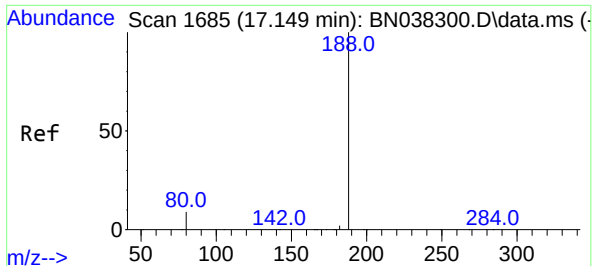
Tgt Ion:154 Resp: 9849
Ion Ratio Lower Upper
154 100
153 115.5 89.8 134.8
152 61.0 47.5 71.3



#18
Fluorene
Concen: 0.386 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:166 Resp: 12900
Ion Ratio Lower Upper
166 100
165 100.1 80.2 120.4
167 13.7 10.6 16.0

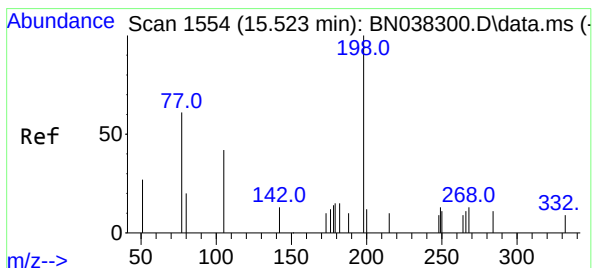
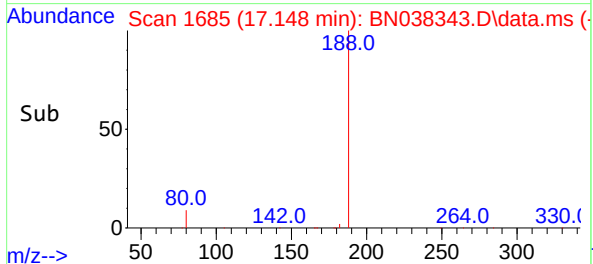
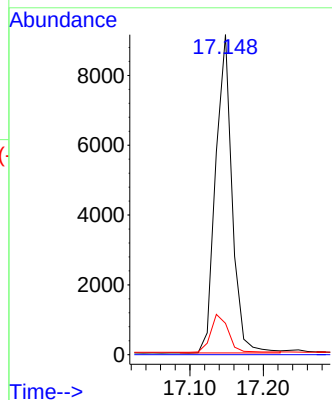
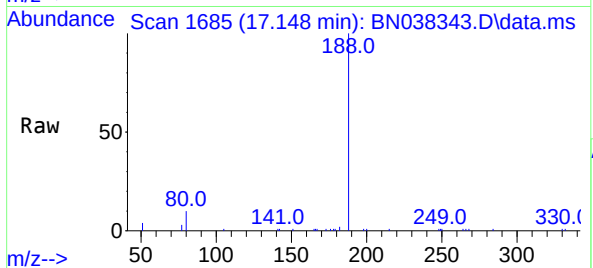




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

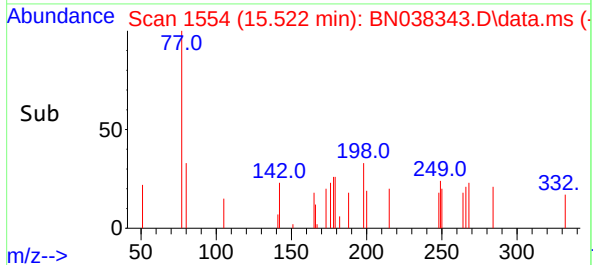
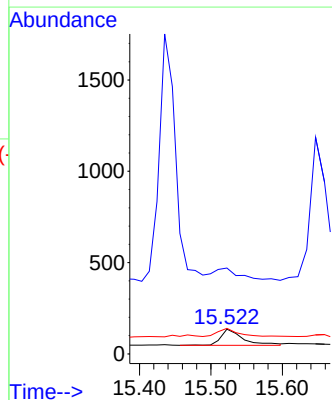
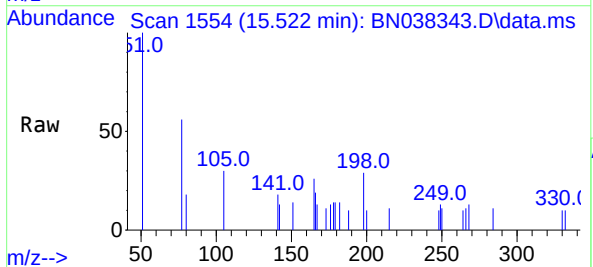
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

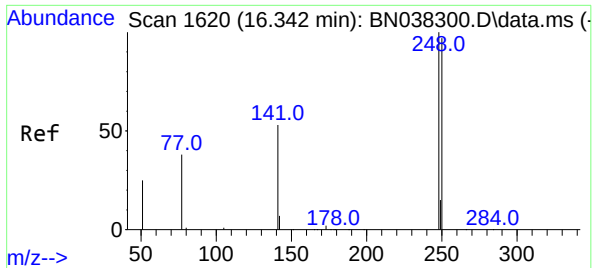
Tgt Ion:188 Resp: 14177
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.8 7.4 11.0



#20
4,6-Dinitro-2-methylphenol
Concen: 0.078 ng
RT: 15.522 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:198 Resp: 182
Ion Ratio Lower Upper
198 100
51 348.1 86.3 129.5#
105 103.7 45.3 67.9#

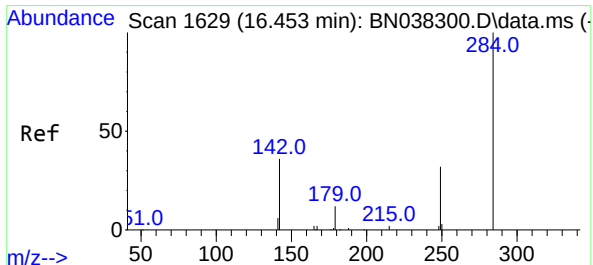
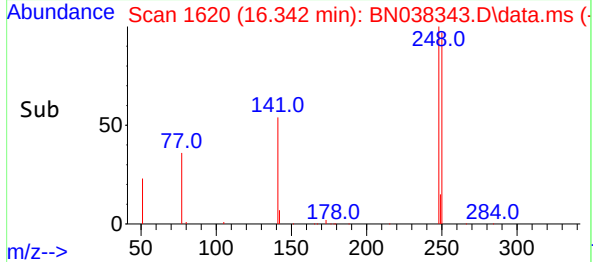
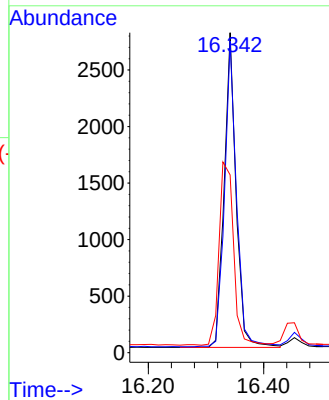
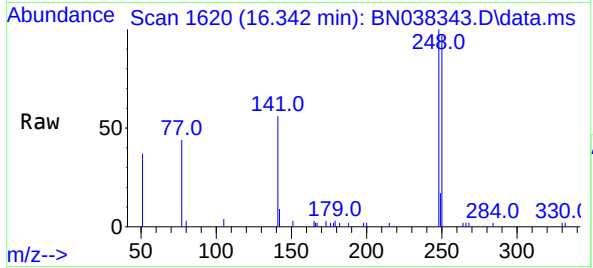




#21
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

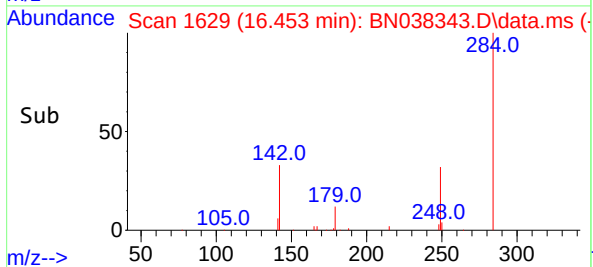
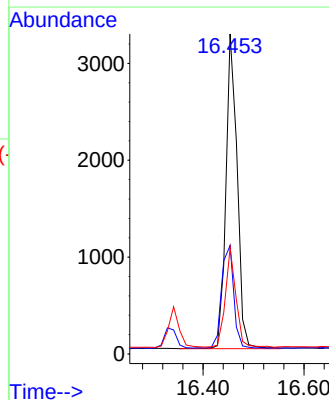
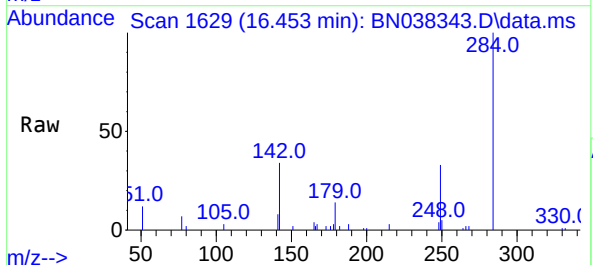
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

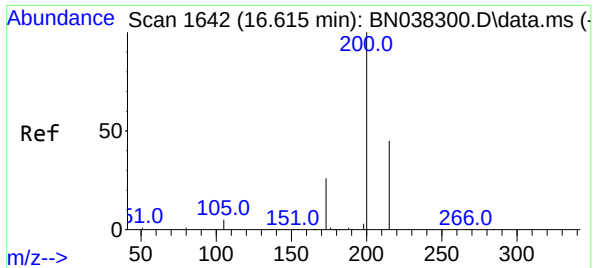
Tgt Ion:248 Resp: 4006
Ion Ratio Lower Upper
248 100
250 97.3 78.2 117.2
141 55.5 43.7 65.5



#22
Hexachlorobenzene
Concen: 0.395 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:284 Resp: 4990
Ion Ratio Lower Upper
284 100
142 35.4 29.5 44.3
249 30.1 23.7 35.5

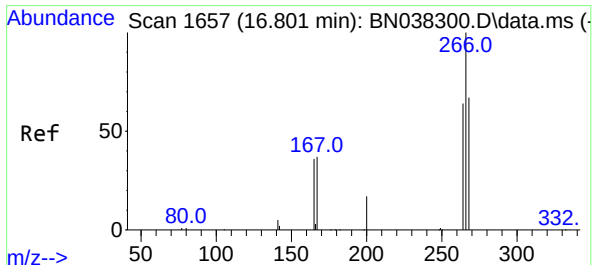
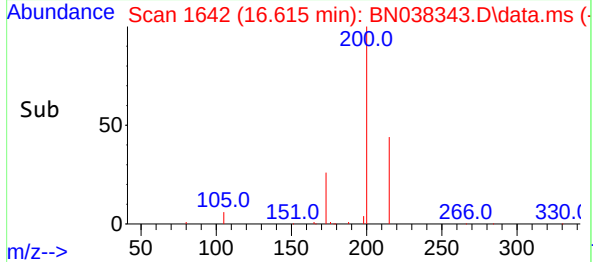
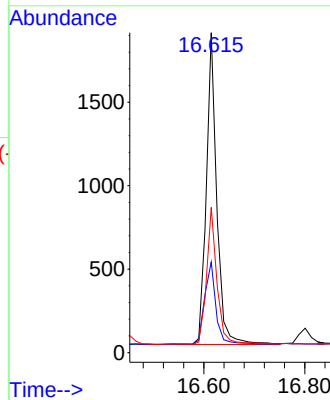
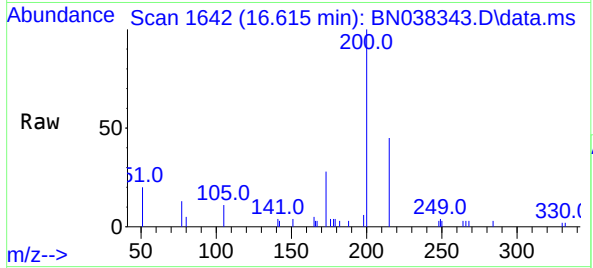




#23
Atrazine
Concen: 0.377 ng
RT: 16.615 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

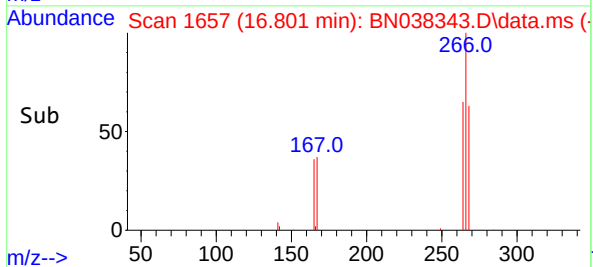
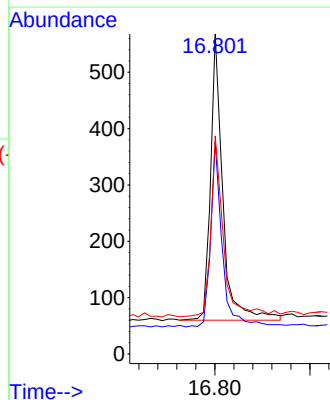
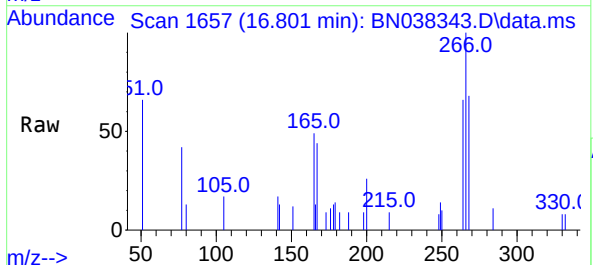
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

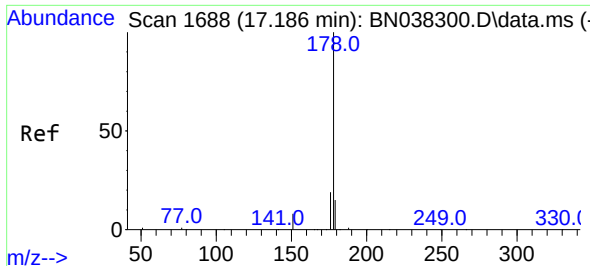
Tgt Ion:200 Resp: 2706
Ion Ratio Lower Upper
200 100
173 28.3 22.1 33.1
215 45.4 37.4 56.2



#24
Pentachlorophenol
Concen: 0.185 ng
RT: 16.801 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:266 Resp: 912
Ion Ratio Lower Upper
266 100
264 61.6 50.2 75.2
268 64.5 52.6 78.8

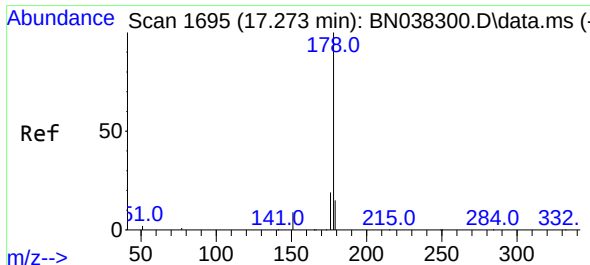
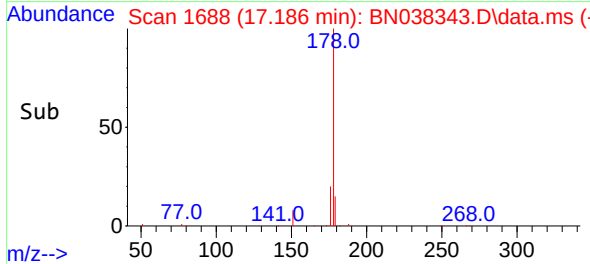
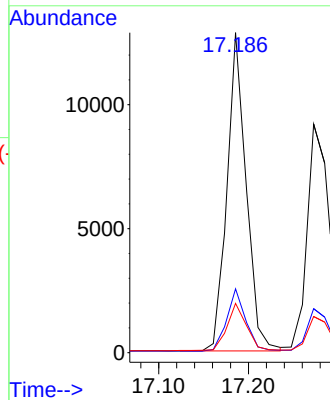
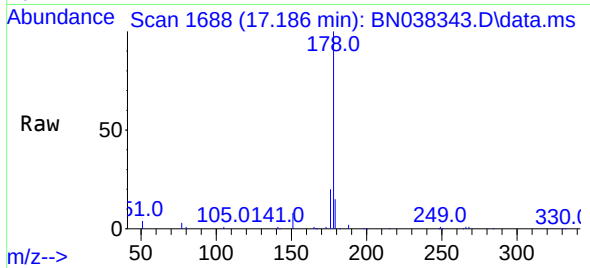




#25
Phenanthrene
Concen: 0.387 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

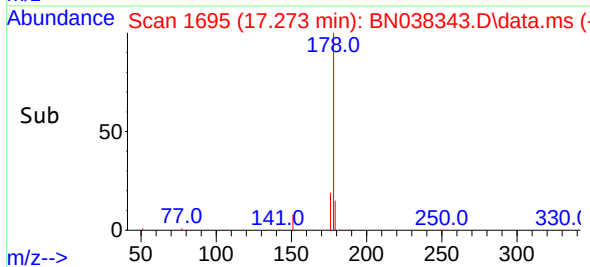
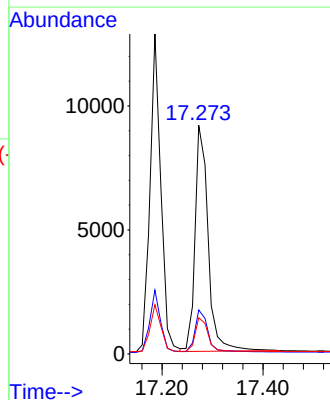
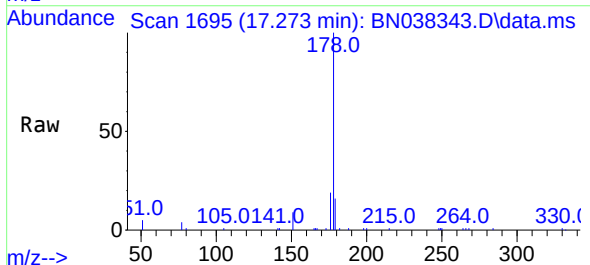
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

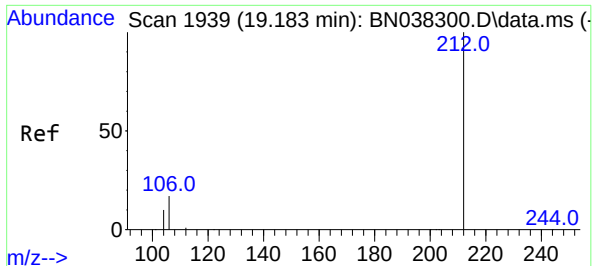
Tgt Ion:178 Resp: 19077
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.2 12.2 18.2



#26
Anthracene
Concen: 0.387 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:178 Resp: 16452
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 15.3 12.0 18.0

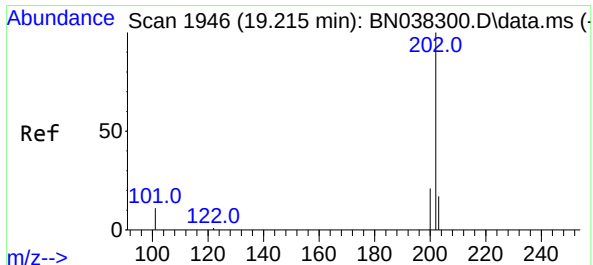
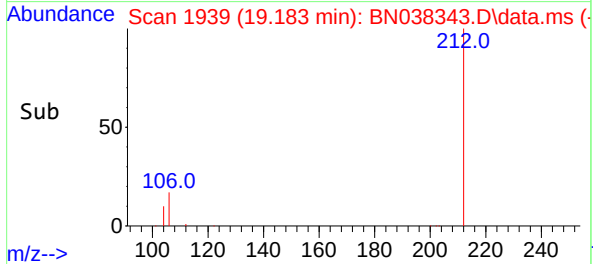
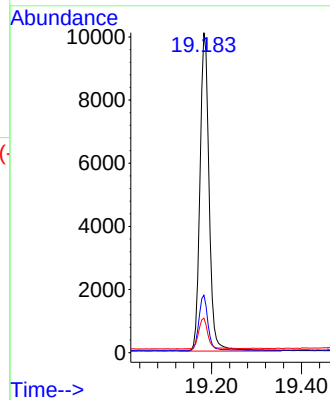
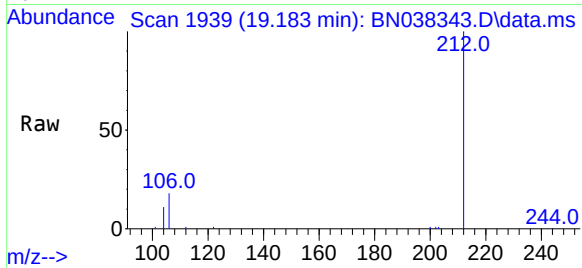




#27
Fluoranthene-d10
Concen: 0.407 ng
RT: 19.183 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

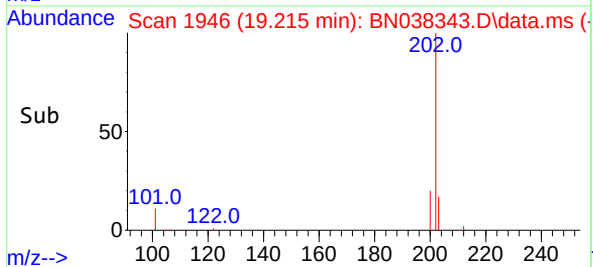
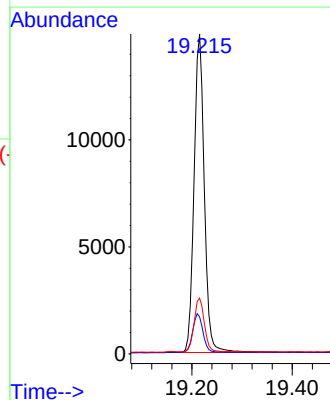
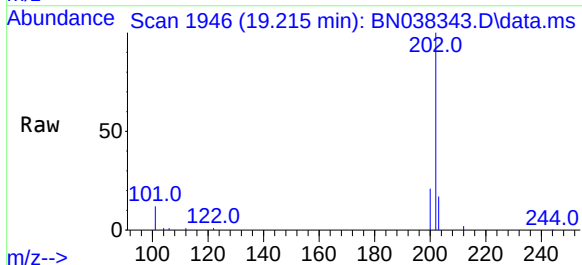
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

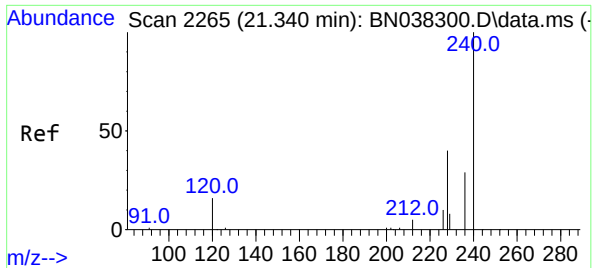
Tgt Ion:	212	Resp:	14274
Ion	Ratio	Lower	Upper
212	100		
106	17.2	13.7	20.5
104	9.8	7.8	11.8



#28
Fluoranthene
Concen: 0.402 ng
RT: 19.215 min Scan# 1946
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:	202	Resp:	21105
Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.6	14.4
203	16.8	13.5	20.3

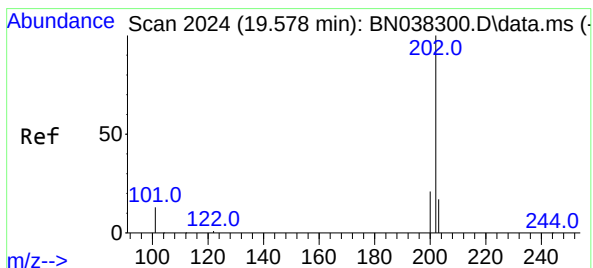
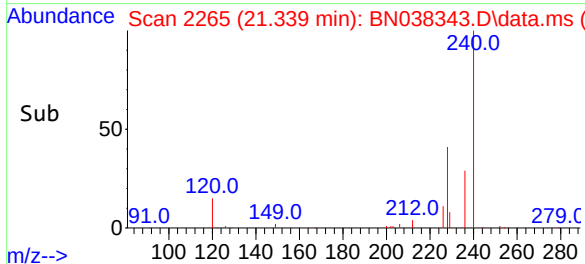
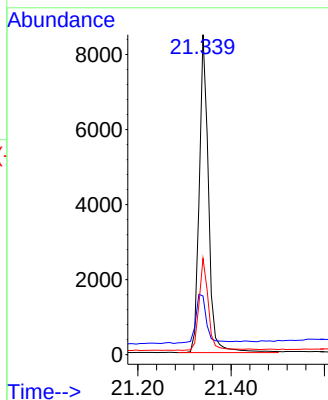
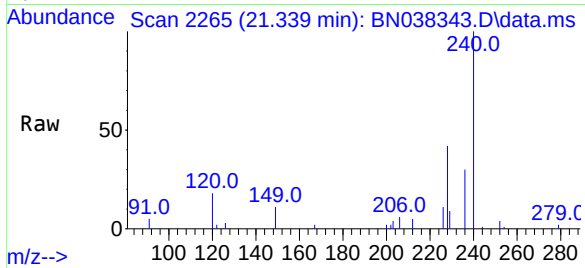




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.339 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

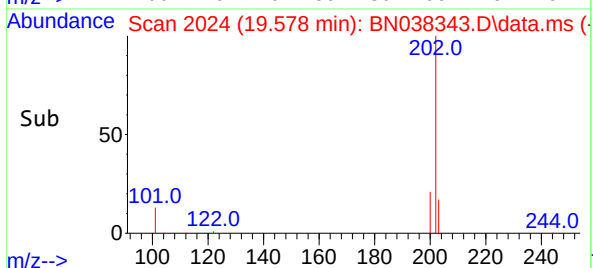
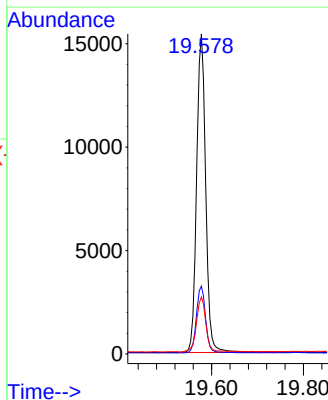
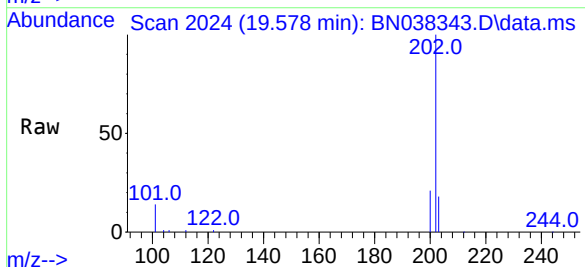
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

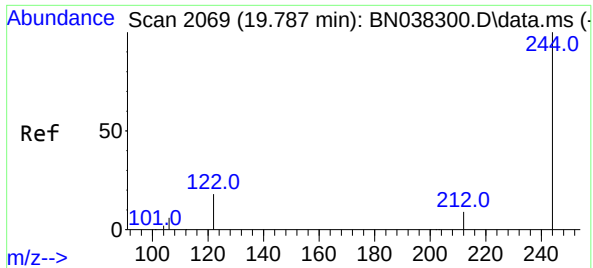
Tgt Ion:240 Resp: 11670
Ion Ratio Lower Upper
240 100
120 18.3 15.4 23.2
236 30.1 23.9 35.9



#30
Pyrene
Concen: 0.370 ng
RT: 19.578 min Scan# 2024
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:202 Resp: 21243
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.7 14.2 21.2

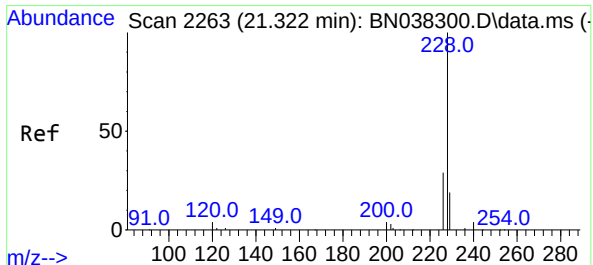
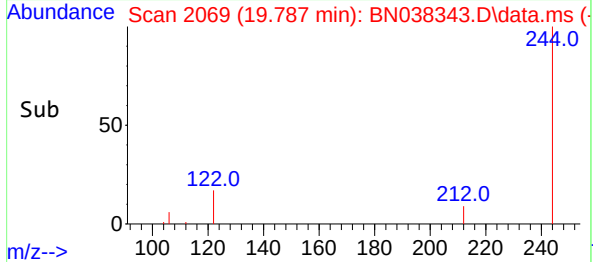
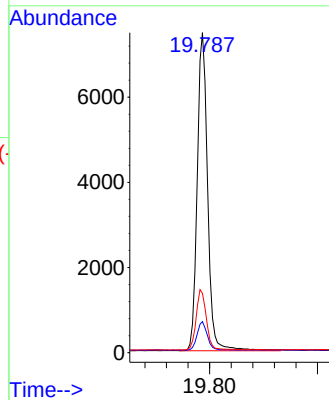
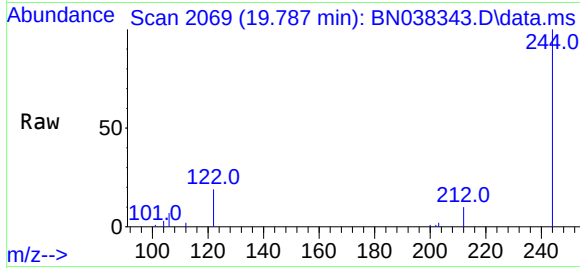




#31
Terphenyl-d14
Concen: 0.382 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

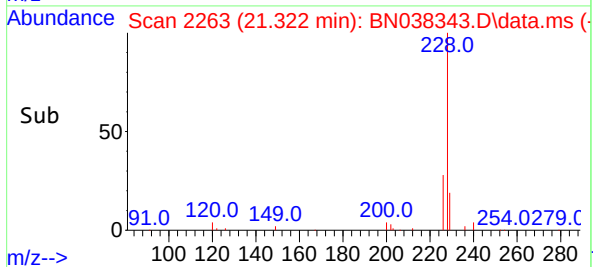
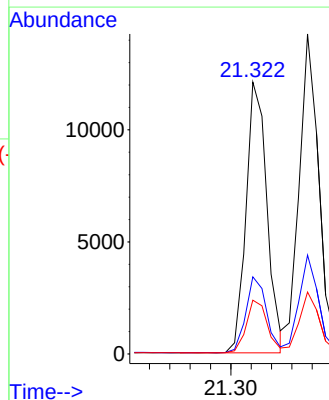
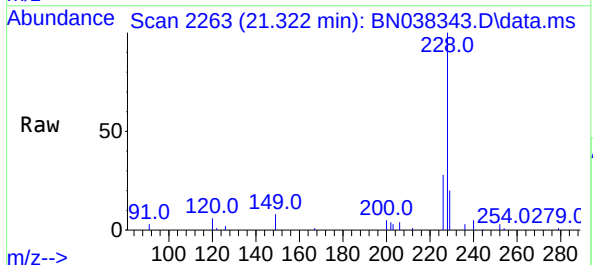
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

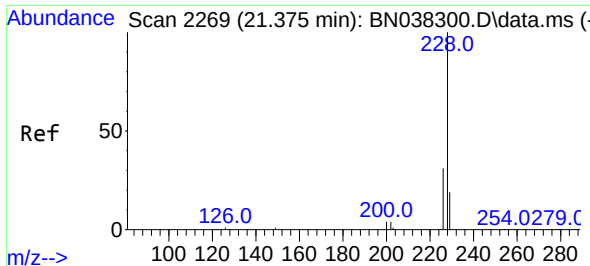
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.9	11.9
122	18.6	15.0	22.6



#32
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.3	34.9
229	19.7	15.7	23.5

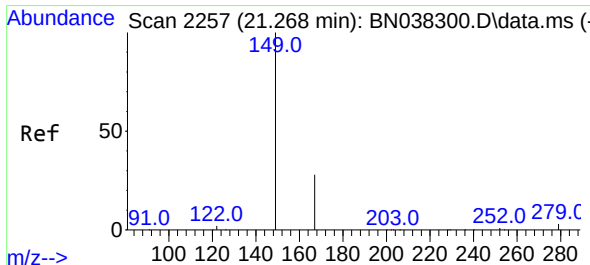
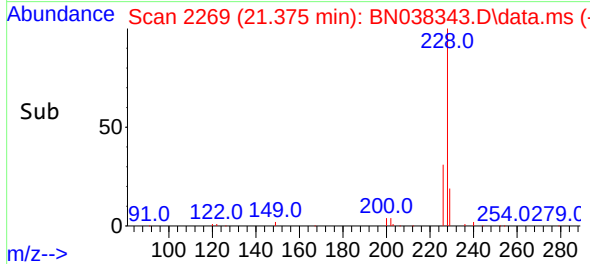
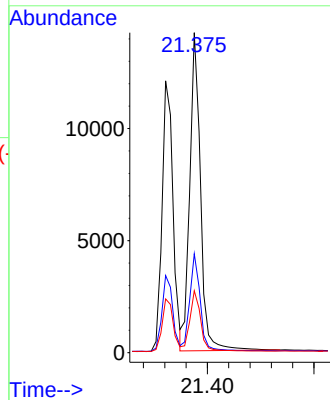
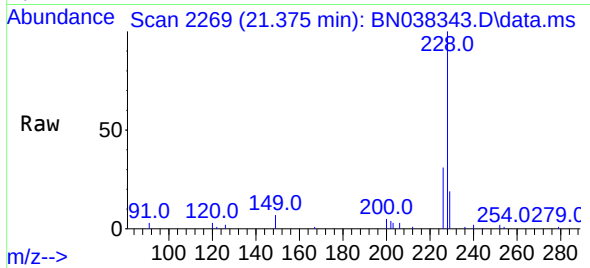




#33
Chrysene
Concen: 0.401 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

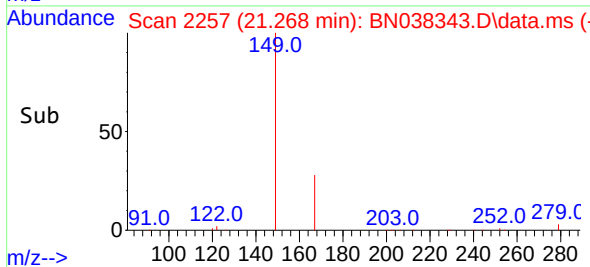
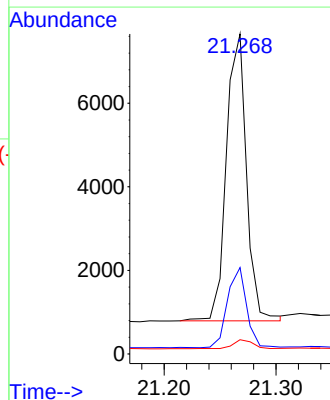
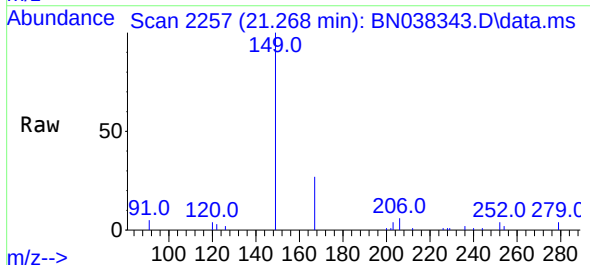
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

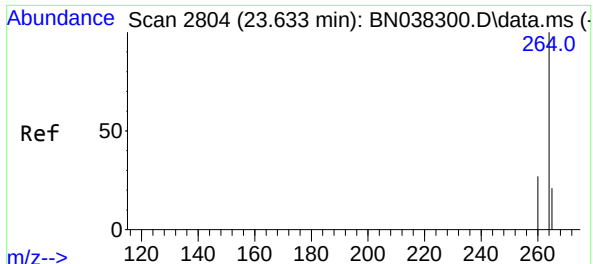
Tgt Ion:	228	Resp:	19898
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.4
229	19.3	15.5	23.3



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.348 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:	149	Resp:	8597
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.4	32.0
279	3.2	2.4	3.6

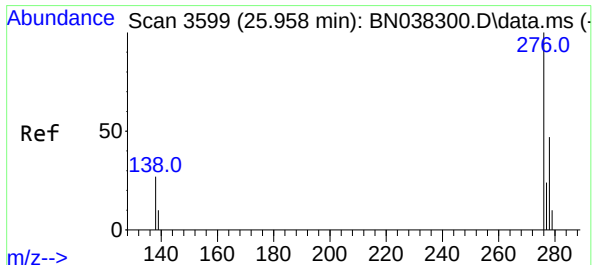
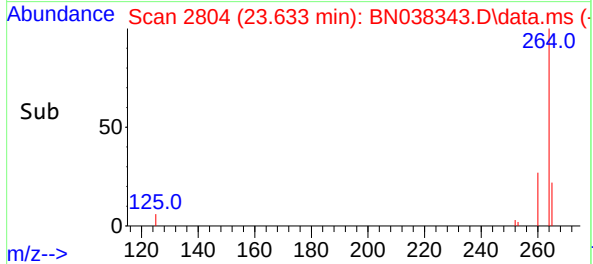
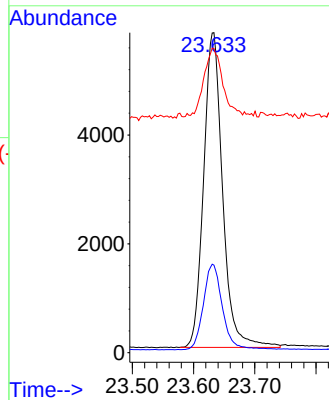
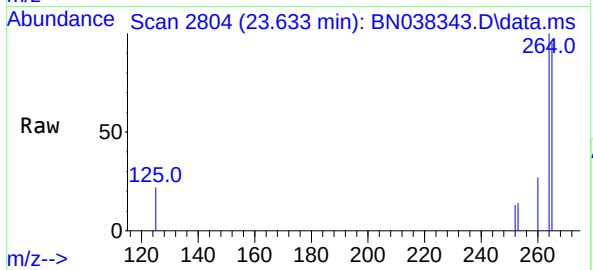




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.633 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

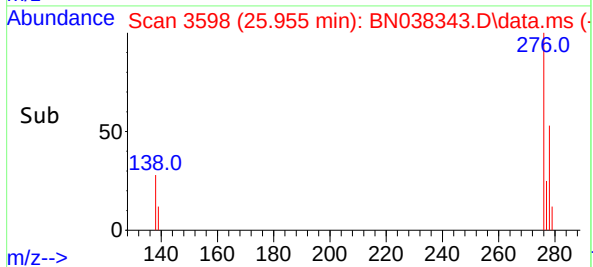
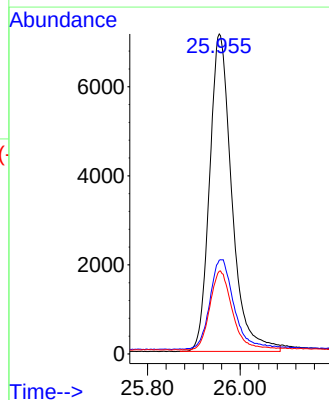
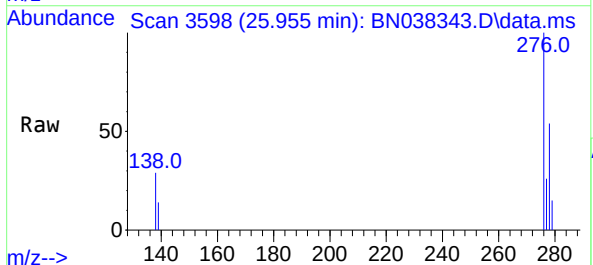
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

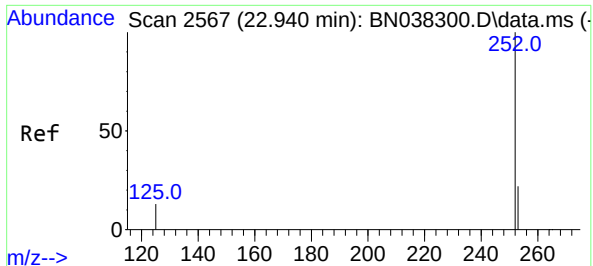
Tgt Ion:264 Resp: 12444
Ion Ratio Lower Upper
264 100
260 27.4 22.2 33.2
265 95.0 80.2 120.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.360 ng
RT: 25.955 min Scan# 3598
Delta R.T. -0.009 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:276 Resp: 23803
Ion Ratio Lower Upper
276 100
138 30.5 23.6 35.4
277 25.2 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.359 ng

RT: 22.937 min Scan# 2566

Delta R.T. -0.009 min

Lab File: BN038343.D

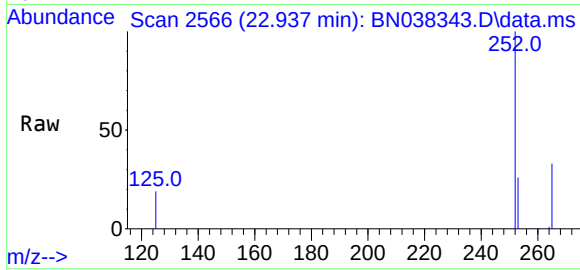
Acq: 12 Dec 2025 09:24

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



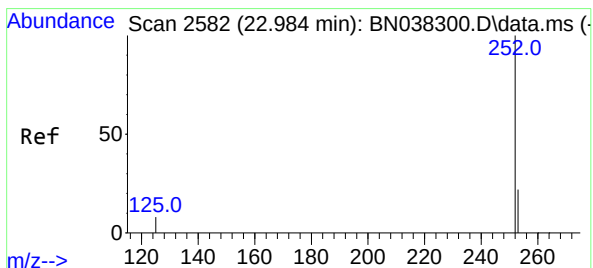
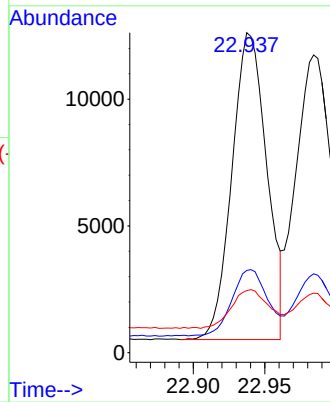
Tgt Ion:252 Resp: 20494

Ion Ratio Lower Upper

252 100

253 25.7 21.1 31.7

125 19.4 16.4 24.6



#38

Benzo(k)fluoranthene

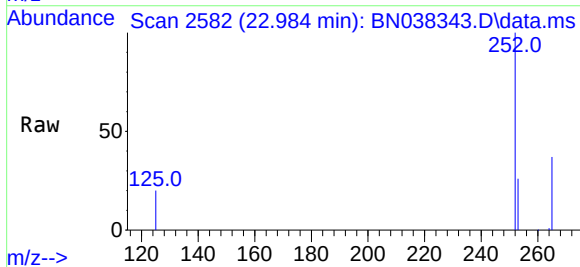
Concen: 0.352 ng

RT: 22.984 min Scan# 2582

Delta R.T. -0.006 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24



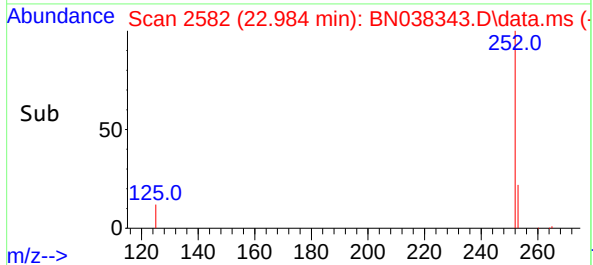
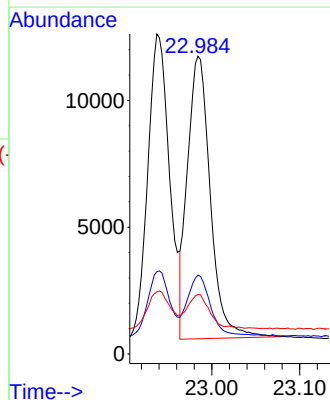
Tgt Ion:252 Resp: 20086

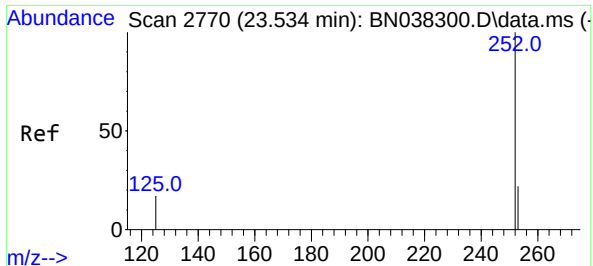
Ion Ratio Lower Upper

252 100

253 26.5 21.4 32.0

125 20.0 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.358 ng

RT: 23.531 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

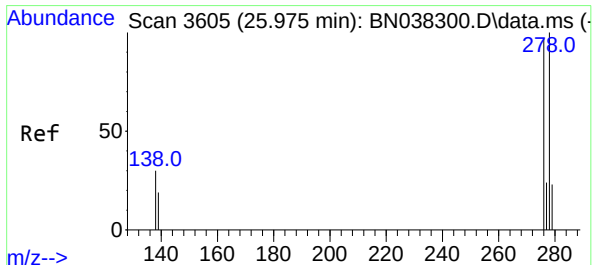
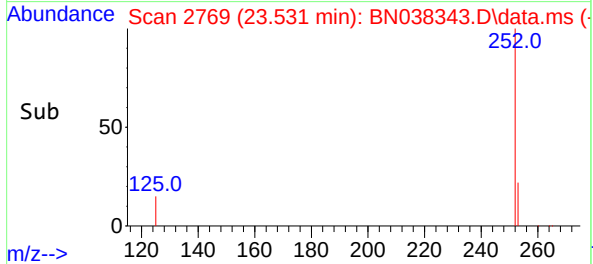
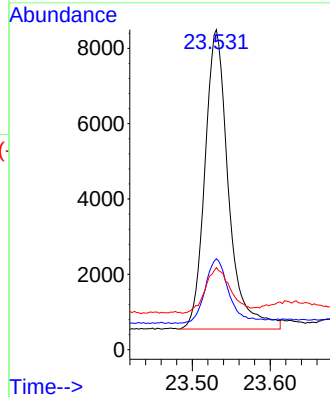
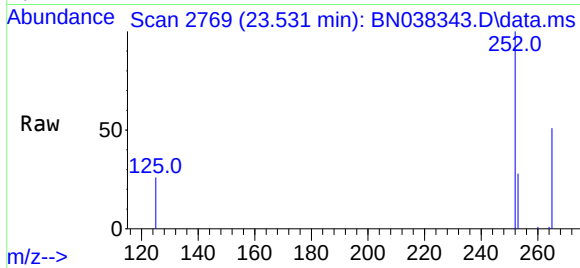
Tgt Ion:252 Resp: 16745

Ion Ratio Lower Upper

252 100

253 28.4 23.3 34.9

125 25.6 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.364 ng

RT: 25.972 min Scan# 3604

Delta R.T. -0.009 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

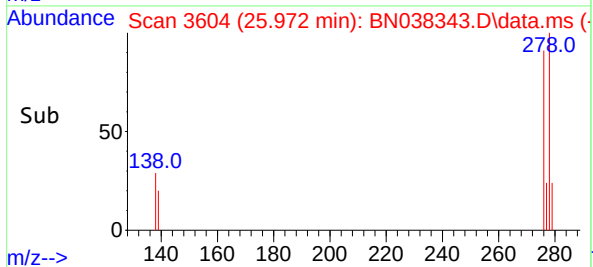
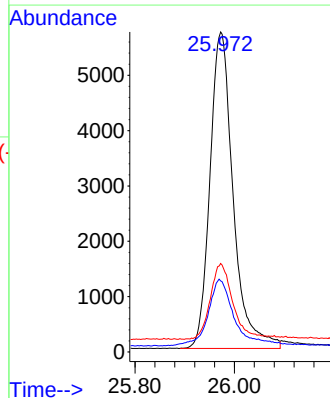
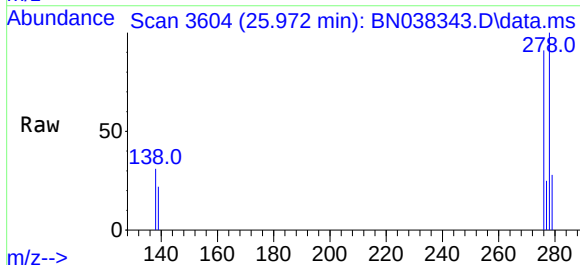
Tgt Ion:278 Resp: 18552

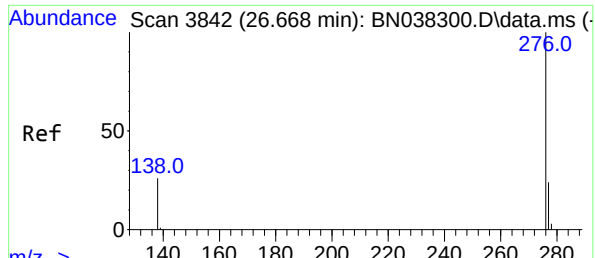
Ion Ratio Lower Upper

278 100

139 22.2 17.8 26.8

279 27.7 21.3 31.9





#41

Benzo(g,h,i)perylene

Concen: 0.362 ng

RT: 26.659 min Scan# 3839

Delta R.T. -0.018 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

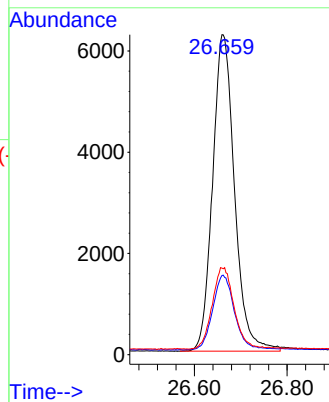
Tgt Ion:276 Resp: 20585

Ion Ratio Lower Upper

276 100

277 24.8 20.0 30.0

138 27.0 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038343.D
 Acq On : 12 Dec 2025 09:24
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Dec 12 09:59:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 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	84	0.00
2	1,4-Dioxane	0.459	0.488	-6.3	88	0.00
3	n-Nitrosodimethylamine	0.575	0.531	7.7	77	0.00
4 S	2-Fluorophenol	0.996	0.966	3.0	82	0.00
5 S	Phenol-d6	1.184	1.162	1.9	84	0.00
6	bis(2-Chloroethyl)ether	1.158	1.176	-1.6	84	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	87	-0.01
8 S	Nitrobenzene-d5	0.337	0.317	5.9	84	0.00
9	Naphthalene	1.182	1.157	2.1	86	0.00
10	Hexachlorobutadiene	0.210	0.205	2.4	85	0.00
11 SURR	2-Methylnaphthalene-d10	0.564	0.557	1.2	88	0.00
12	2-Methylnaphthalene	0.751	0.739	1.6	88	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	93	-0.01
14 S	2,4,6-Tribromophenol	0.177	0.159	10.2	88	0.00
15 S	2-Fluorobiphenyl	1.927	1.930	-0.2	91	0.00
16	Acenaphthylene	1.964	1.858	5.4	91	0.00
17	Acenaphthene	1.369	1.297	5.3	90	-0.01
18	Fluorene	1.761	1.698	3.6	92	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	96	0.00
20	4,6-Dinitro-2-methylphenol	0.066	0.013	80.3#	22#	0.00
21	4-Bromophenyl-phenylether	0.297	0.283	4.7	94	0.00
22	Hexachlorobenzene	0.357	0.352	1.4	96	-0.01
23	Atrazine	0.202	0.191	5.4	96	0.00
24	Pentachlorophenol	0.139	0.064	54.0#	51	0.00
25	Phenanthrene	1.392	1.346	3.3	94	0.00
26	Anthracene	1.200	1.160	3.3	97	-0.01
27 SURR	Fluoranthene-d10	0.989	1.007	-1.8	98	0.00
28	Fluoranthene	1.480	1.489	-0.6	98	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	101	0.00
30	Pyrene	1.969	1.820	7.6	96	0.00
31 S	Terphenyl-d14	0.893	0.853	4.5	98	0.00
32	Benzo(a)anthracene	1.545	1.473	4.7	101	0.00
33	Chrysene	1.701	1.705	-0.2	100	0.00
34	Bis(2-ethylhexyl)phthalate	0.848	0.737	13.1	88	0.00
35 I	Perylene-d12	1.000	1.000	0.0	108	0.00
36	Indeno(1,2,3-cd)pyrene	2.123	1.913	9.9	97	0.00
37	Benzo(b)fluoranthene	1.837	1.647	10.3	100	0.00
38	Benzo(k)fluoranthene	1.832	1.614	11.9	97	0.00
39 C	Benzo(a)pyrene	1.503	1.346	10.4	99	0.00
40	Dibenzo(a,h)anthracene	1.637	1.491	8.9	99	0.00
41	Benzo(g,h,i)perylene	1.829	1.654	9.6	99	-0.02

(#) = 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\BN121225\
 Data File : BN038343.D
 Acq On : 12 Dec 2025 09:24
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Dec 12 09:59:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 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	84	0.00
2	1,4-Dioxane	0.400	0.426	-6.5	88	0.00
3	n-Nitrosodimethylamine	0.400	0.369	7.8	77	0.00
4 S	2-Fluorophenol	0.400	0.388	3.0	82	0.00
5 S	Phenol-d6	0.400	0.392	2.0	84	0.00
6	bis(2-Chloroethyl)ether	0.400	0.406	-1.5	84	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	87	-0.01
8 S	Nitrobenzene-d5	0.400	0.376	6.0	84	0.00
9	Naphthalene	0.400	0.391	2.3	86	0.00
10	Hexachlorobutadiene	0.400	0.389	2.8	85	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.395	1.3	88	0.00
12	2-Methylnaphthalene	0.400	0.394	1.5	88	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	93	-0.01
14 S	2,4,6-Tribromophenol	0.400	0.359	10.3	88	0.00
15 S	2-Fluorobiphenyl	0.400	0.401	-0.3	91	0.00
16	Acenaphthylene	0.400	0.378	5.5	91	0.00
17	Acenaphthene	0.400	0.379	5.3	90	-0.01
18	Fluorene	0.400	0.386	3.5	92	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	96	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.078	80.5#	22	0.00
21	4-Bromophenyl-phenylether	0.400	0.381	4.8	94	0.00
22	Hexachlorobenzene	0.400	0.395	1.3	96	-0.01
23	Atrazine	0.400	0.377	5.8	96	0.00
24	Pentachlorophenol	0.400	0.185	53.8#	51	0.00
25	Phenanthrene	0.400	0.387	3.3	94	0.00
26	Anthracene	0.400	0.387	3.3	97	-0.01
27 SURR	Fluoranthene-d10	0.400	0.407	-1.7	98	0.00
28	Fluoranthene	0.400	0.402	-0.5	98	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	101	0.00
30	Pyrene	0.400	0.370	7.5	96	0.00
31 S	Terphenyl-d14	0.400	0.382	4.5	98	0.00
32	Benzo(a)anthracene	0.400	0.381	4.8	101	0.00
33	Chrysene	0.400	0.401	-0.3	100	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.348	13.0	88	0.00
35 I	Perylene-d12	0.400	0.400	0.0	108	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.360	10.0	97	0.00
37	Benzo(b)fluoranthene	0.400	0.359	10.3	100	0.00
38	Benzo(k)fluoranthene	0.400	0.352	12.0	97	0.00
39 C	Benzo(a)pyrene	0.400	0.358	10.5	99	0.00
40	Dibenzo(a,h)anthracene	0.400	0.364	9.0	99	0.00
41	Benzo(g,h,i)perylene	0.400	0.362	9.5	99	-0.02

(#) = Out of Range

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

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4



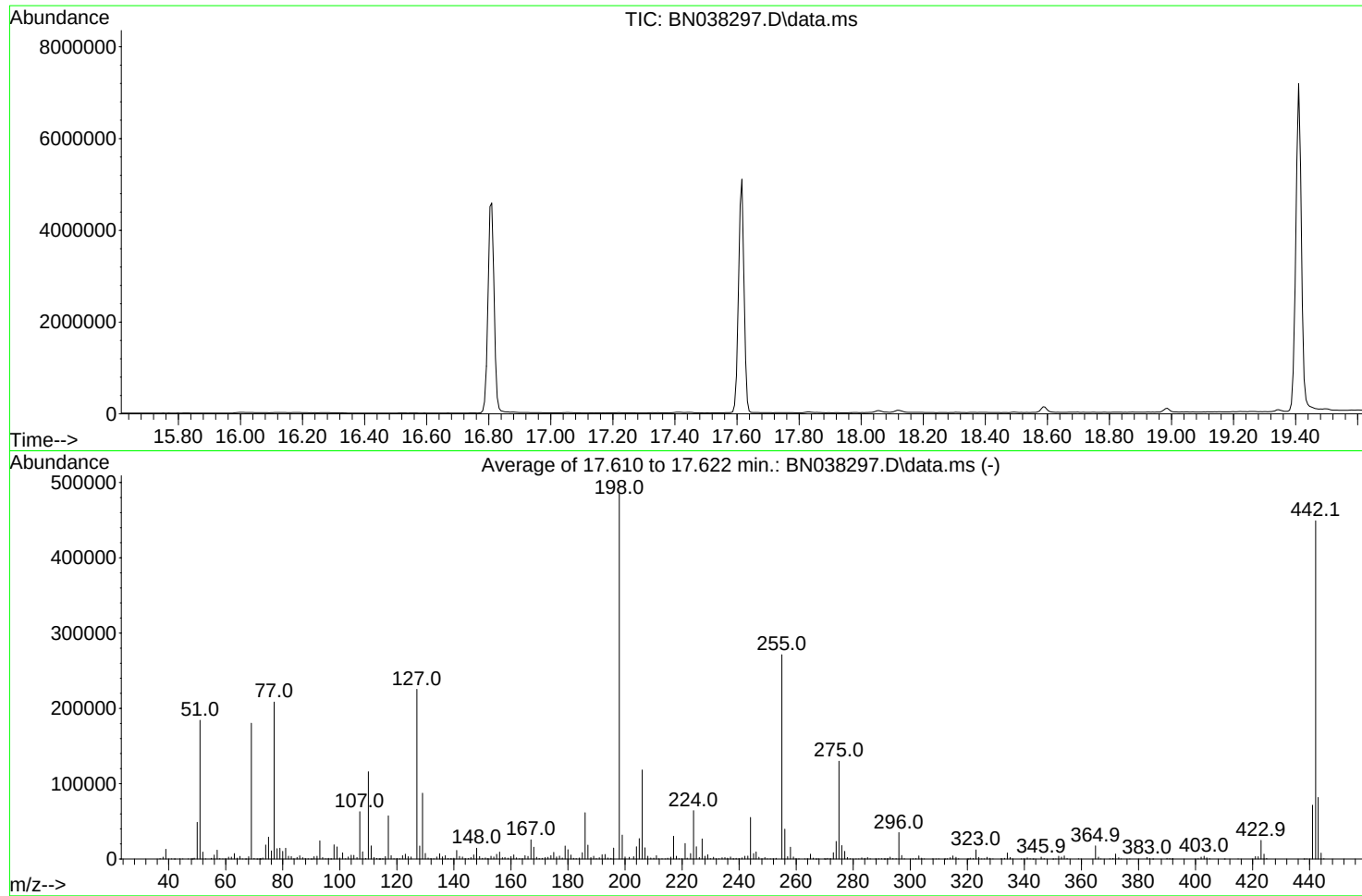
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
Data File : BN038297.D
Acq On : 10 Dec 2025 09:12
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-BN121025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 10 13:56:50 2025



AutoFind: Scans 2469, 2470, 2471; Background Corrected with Scan 2461

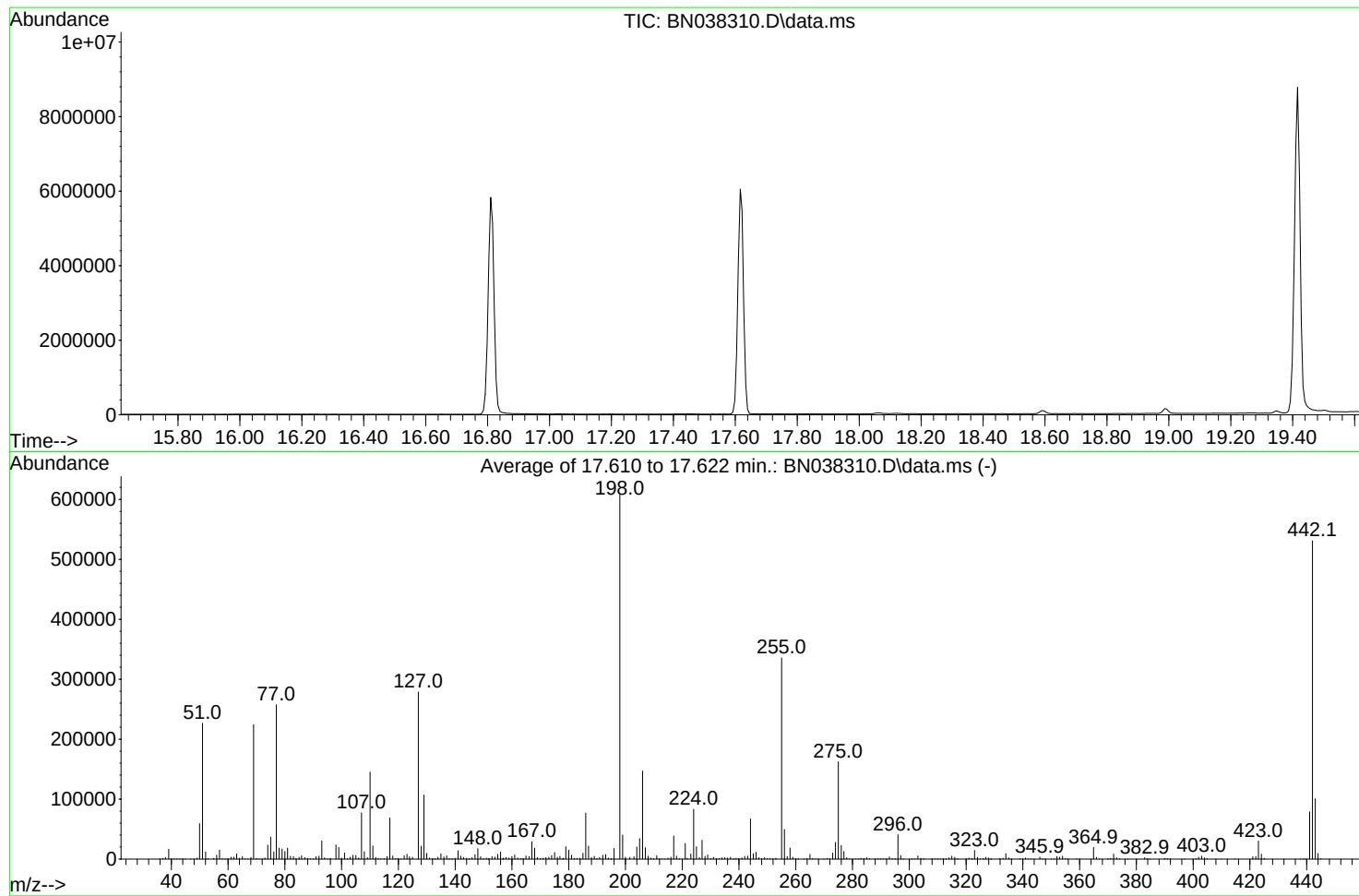
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.7	3142	PASS
69	69	100	100	100.0	180342	PASS
70	69	0.00	2	0.5	866	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	484821	PASS
199	198	5	9	6.6	31797	PASS
365	198	1	100	3.6	17415	PASS
441	443	0.01	150	87.6	71624	PASS
442	442	100	100	100.0	449131	PASS
443	442	15	24	18.2	81797	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038310.D
Acq On : 11 Dec 2025 10:33
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-BN121025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 10 13:56:50 2025



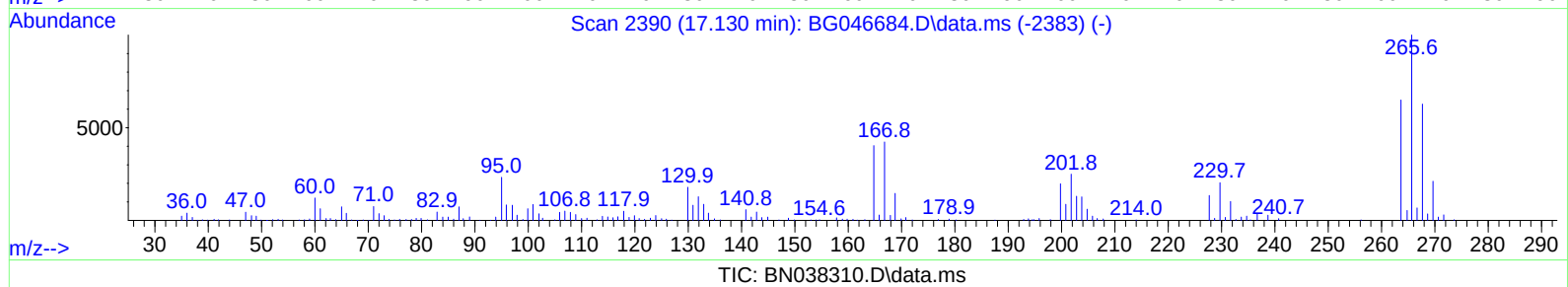
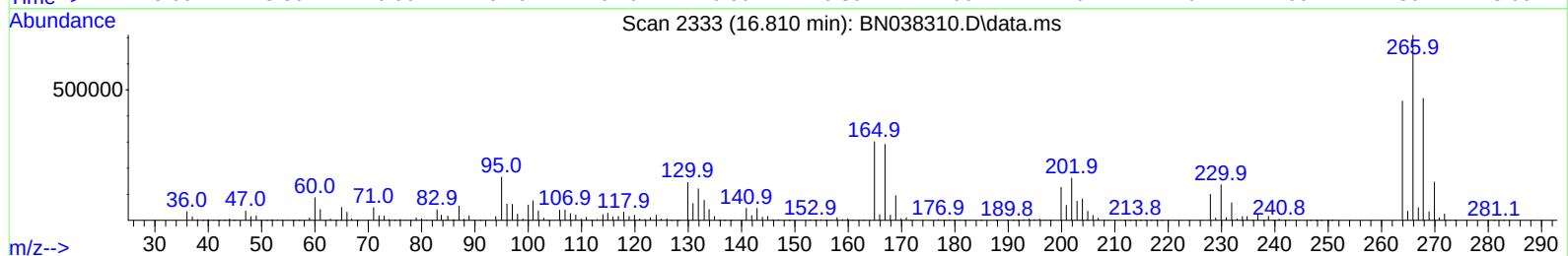
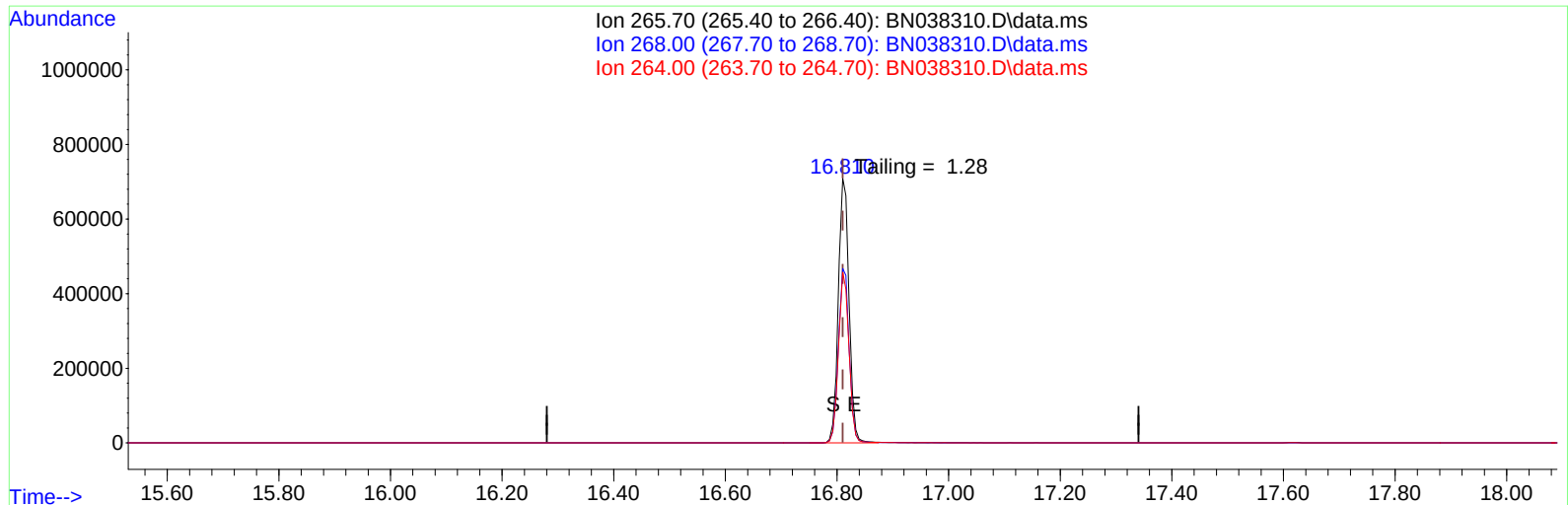
AutoFind: Scans 2469, 2470, 2471; Background Corrected with Scan 2462

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.2	2793	PASS
69	69	100	100	100.0	223951	PASS
70	69	0.00	2	0.5	1194	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	607808	PASS
199	198	5	9	6.6	40149	PASS
365	198	1	100	3.2	19252	PASS
441	443	0.01	150	78.3	78795	PASS
442	442	100	100	100.0	530859	PASS
443	442	15	24	19.0	100613	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038310.D
Acq On : 11 Dec 2025 10:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 11 11:06:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 11 11:06:13 2025
Response via : Initial Calibration



TIC: BN038310.D\data.ms

(70) Pentachlorophenol (C)

16.810min (0.000) 32618.14 ng

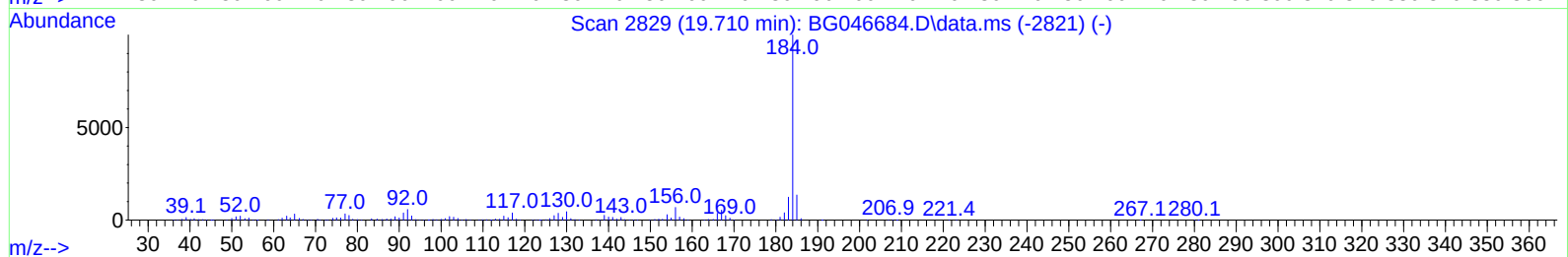
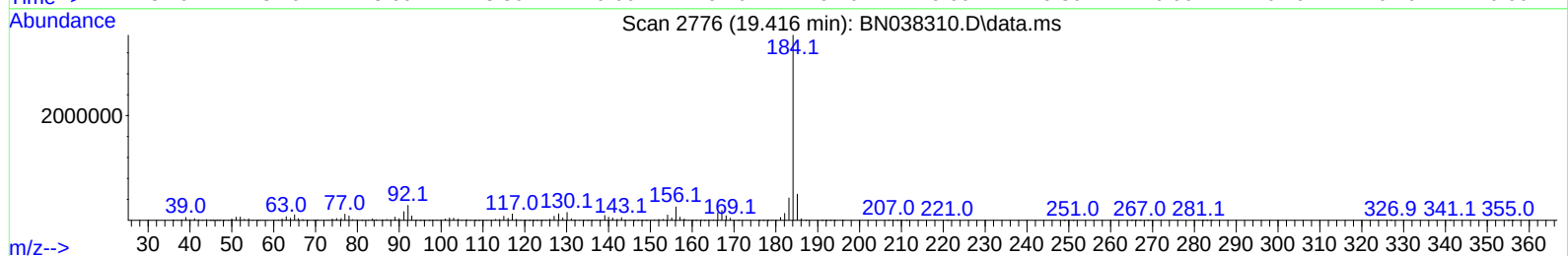
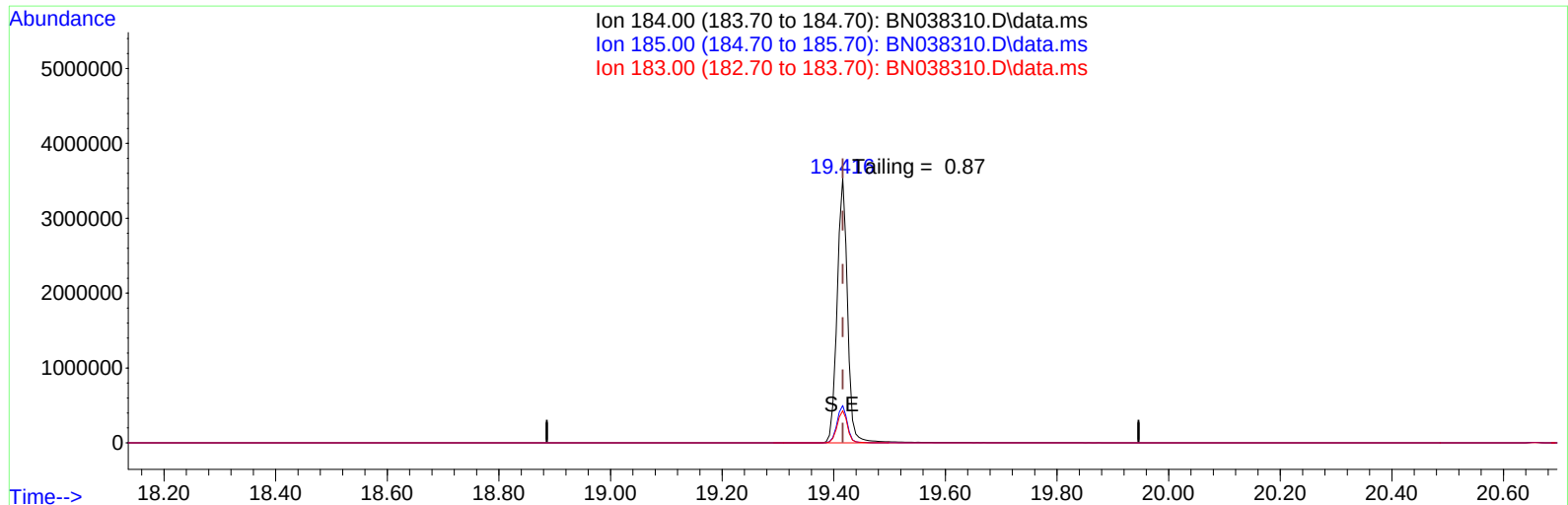
response 947378

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	65.87
264.00	61.60	64.44
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038310.D
Acq On : 11 Dec 2025 10:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 11 11:06:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 11 11:06:13 2025
Response via : Initial Calibration



TIC: BN038310.D\data.ms

(77) Benzidine

19.416min (0.000) 0.00 ng

response 4618026

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.14
183.00	13.20	12.12
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/11/2025	BNA_N	<u>BN038310.D</u>
Compound Name	Response	Retention Time
DDT	2326256	20.657
DDD	31356	20.216
DDE	441	19.71
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
31797	2358053	1.35

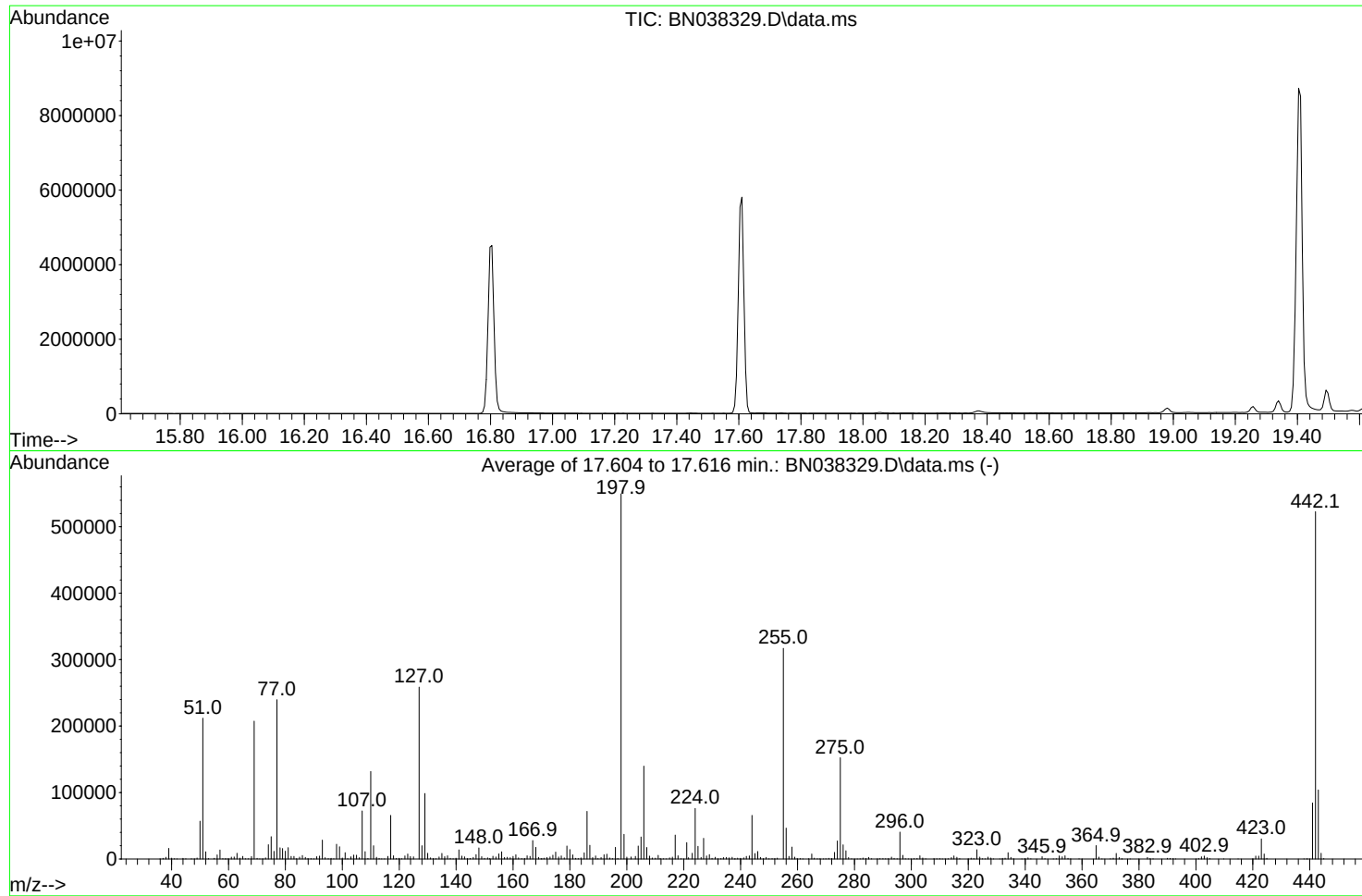
Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038329.D
Acq On : 11 Dec 2025 23:20
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-BN121025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 10 13:56:50 2025



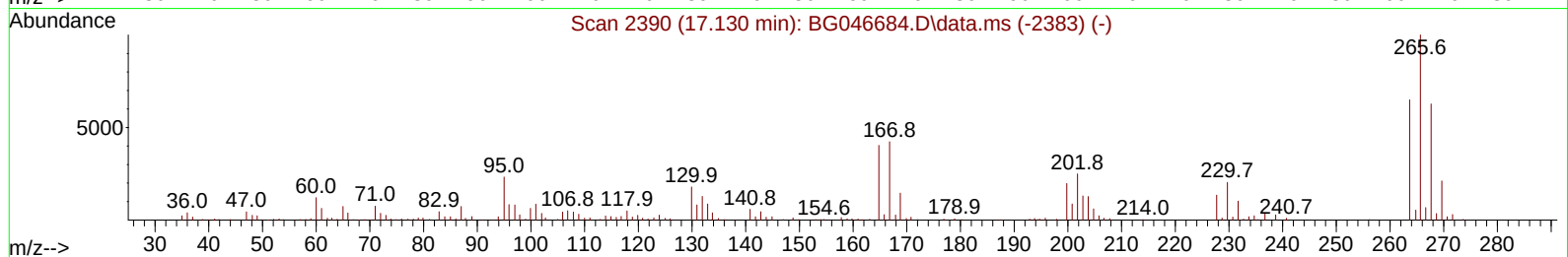
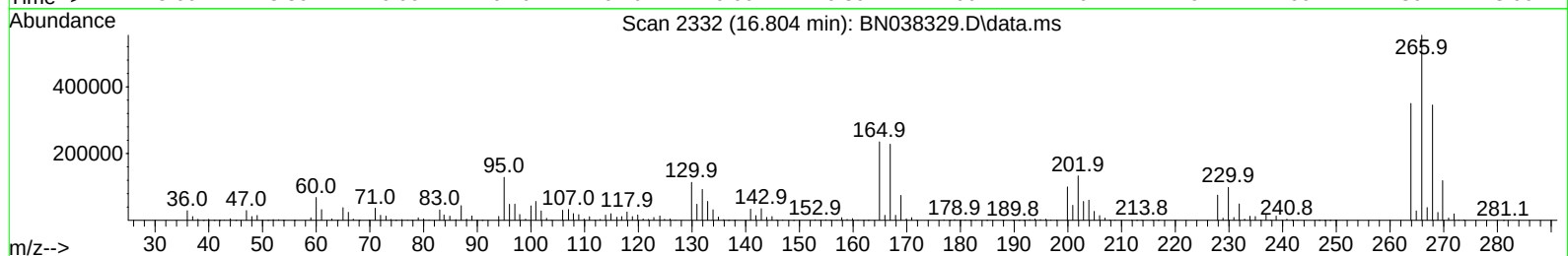
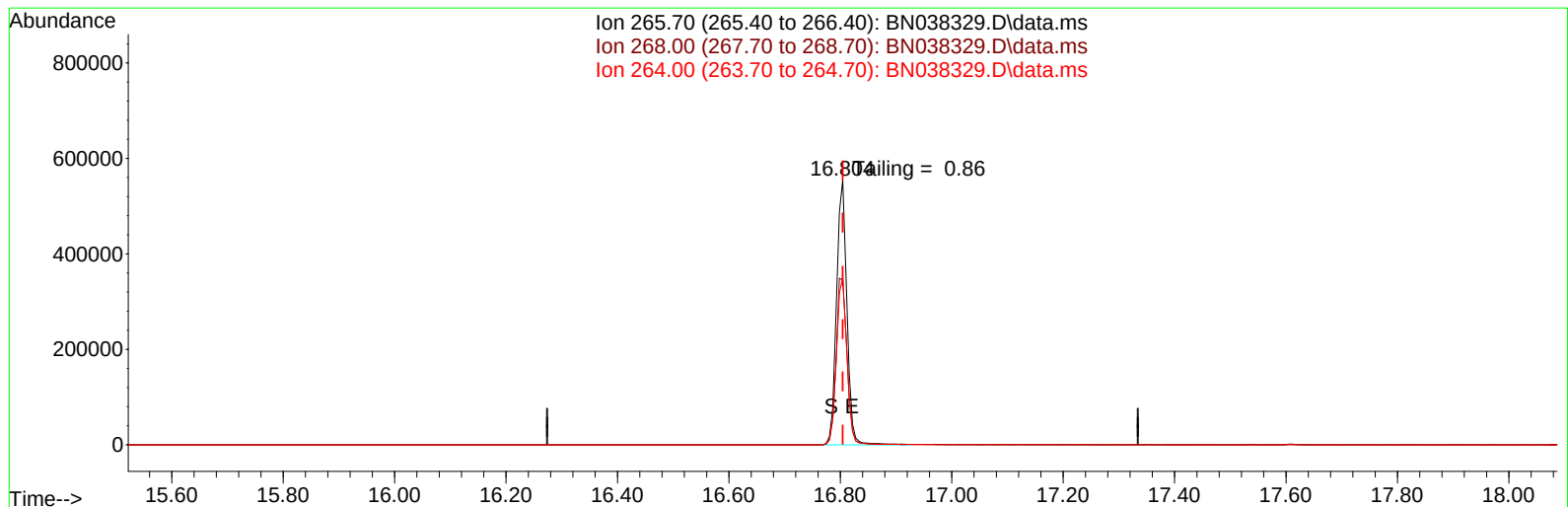
AutoFind: Scans 2468, 2469, 2470; Background Corrected with Scan 2460

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.8	3777	PASS
69	69	100	100	100.0	207536	PASS
70	69	0.00	2	0.5	1066	PASS
197	198	0.00	2	0.1	776	PASS
198	198	100	100	100.0	549547	PASS
199	198	5	9	6.8	37157	PASS
365	198	1	100	3.7	20075	PASS
441	443	0.01	150	81.1	84259	PASS
442	442	100	100	100.0	522795	PASS
443	442	15	24	19.9	103896	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038329.D
Acq On : 11 Dec 2025 23:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 12 03:10:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 12 03:10:04 2025
Response via : Initial Calibration



TIC: BN038329.D\data.ms

(70) Pentachlorophenol (C)

16.804min (0.000) 217492.83 ng

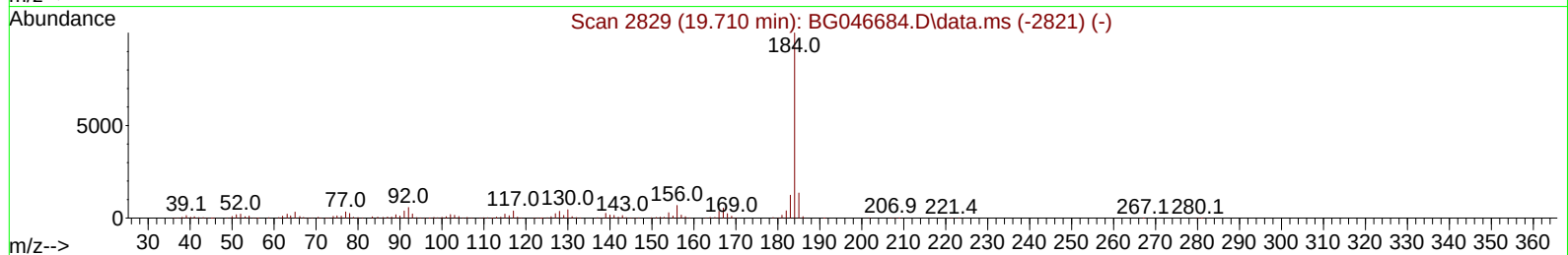
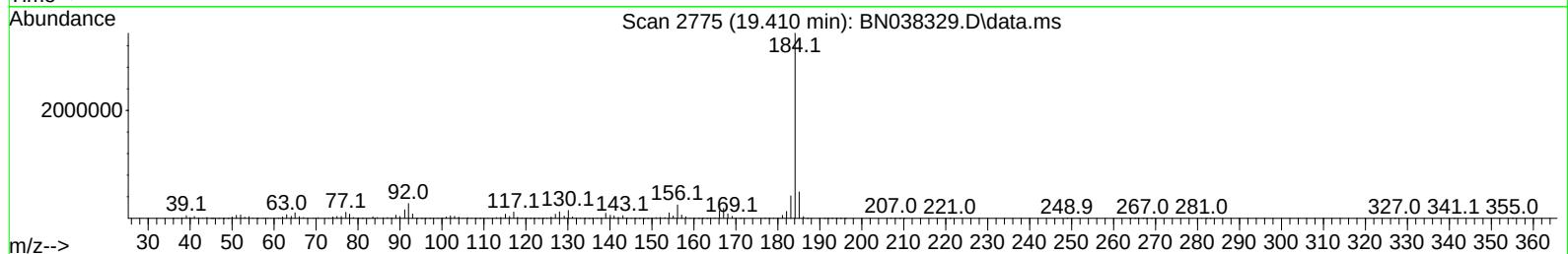
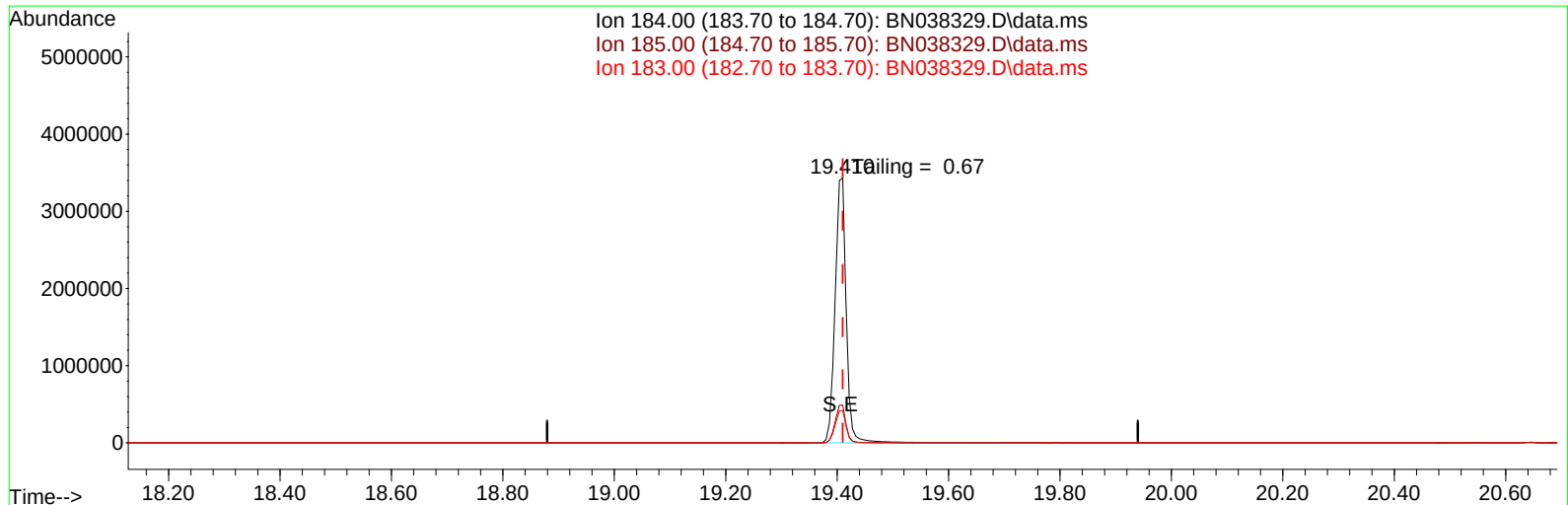
response 718575

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	62.31
264.00	61.60	63.15
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038329.D
Acq On : 11 Dec 2025 23:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 12 03:10:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 12 03:10:04 2025
Response via : Initial Calibration



TIC: BN038329.D\data.ms

(77) Benzidine**19.410min (0.000) 4649.10 ng****response 4774950**

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.32
183.00	13.20	12.17
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/11/2025	BNA_N	<u>BN038329.D</u>
Compound Name	Response	Retention Time
DDT	2196296	20.645
DDD	86752	20.204
DDE	2556	19.692
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
89308	2285604	3.91

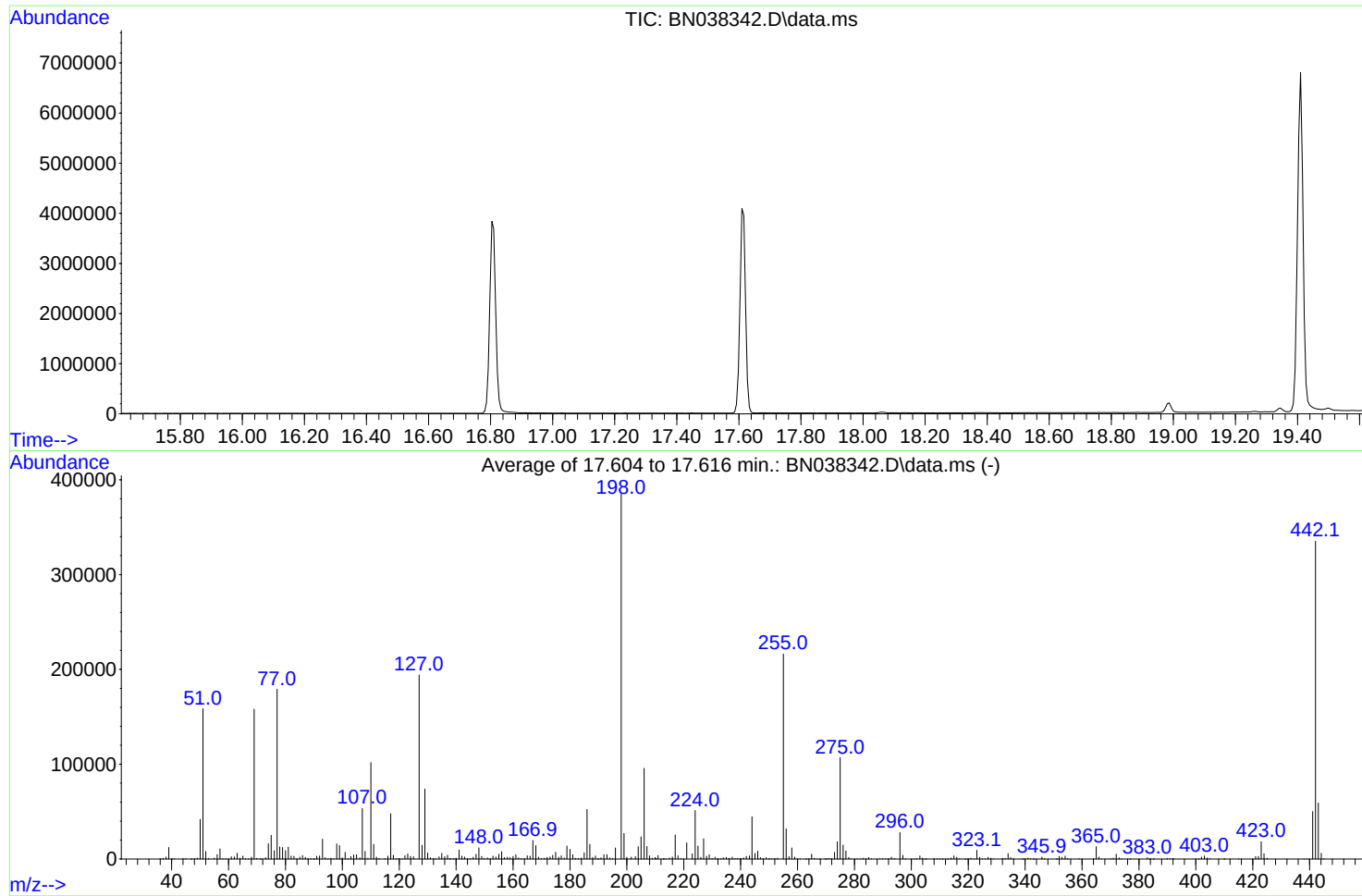
Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038342.D
Acq On : 12 Dec 2025 08:45
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-BN121025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 10 13:56:50 2025



AutoFind: Scans 2468, 2469, 2470; Background Corrected with Scan 2461

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.3	2072	PASS
69	69	100	100	100.0	158144	PASS
70	69	0.00	2	0.5	777	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	385088	PASS
199	198	5	9	7.0	26973	PASS
365	198	1	100	3.4	13061	PASS
441	443	0.01	150	85.0	50136	PASS
442	442	100	100	100.0	335232	PASS
443	442	15	24	17.6	58984	PASS

DDT Breakdown

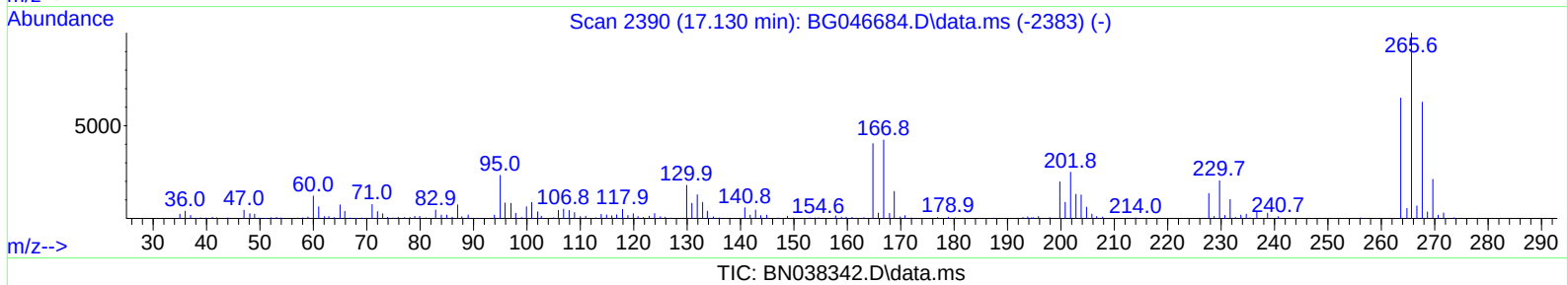
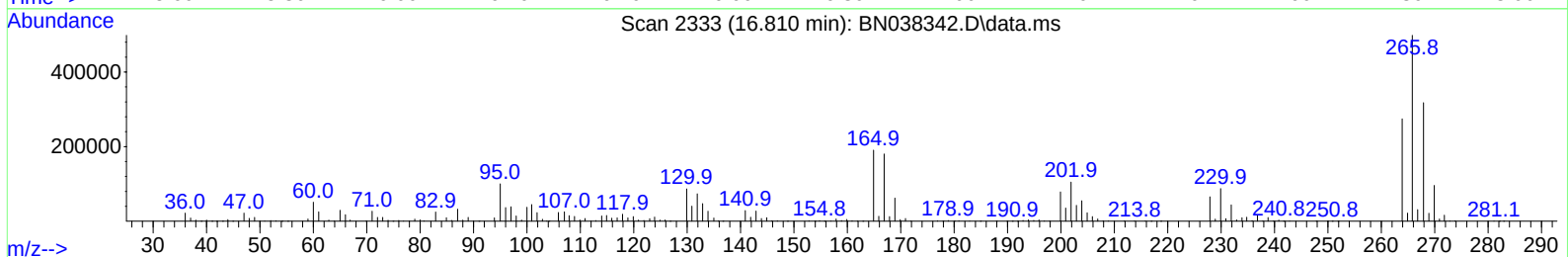
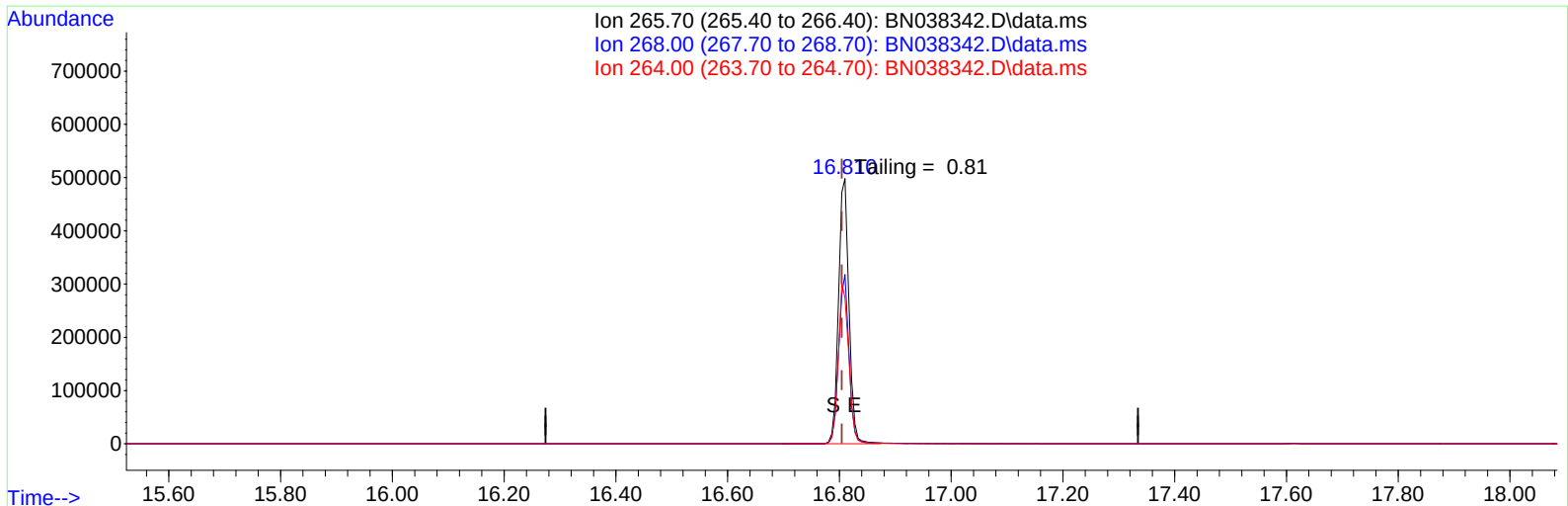
Date	Instrument Name	DFTPP Data File
12/12/2025	BNA_N	<u>BN038342.D</u>
Compound Name	Response	Retention Time
DDT	1615063	20.651
DDD	69905	20.21
DDE	2480	19.704
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
72385	1687448	4.29

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038342.D
Acq On : 12 Dec 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 12 10:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 12 03:10:04 2025
Response via : Initial Calibration



TIC: BN038342.D\data.ms

(70) Pentachlorophenol (C)

16.810min (+ 0.006) 224665.32 ng

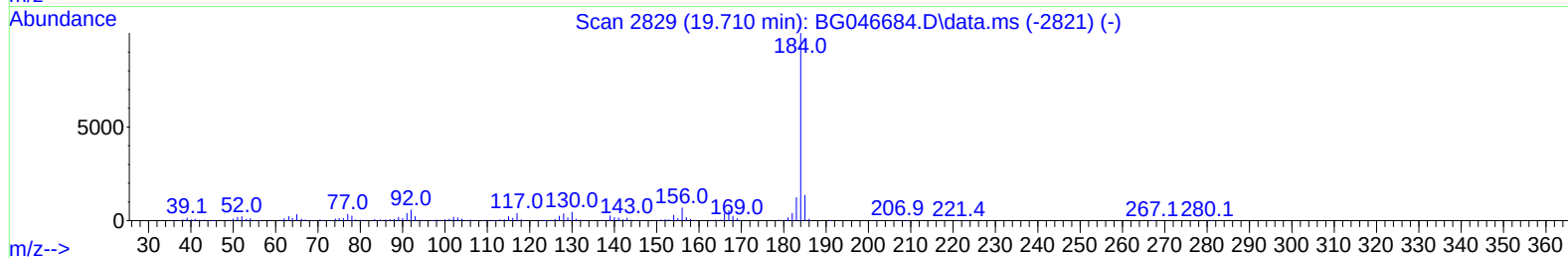
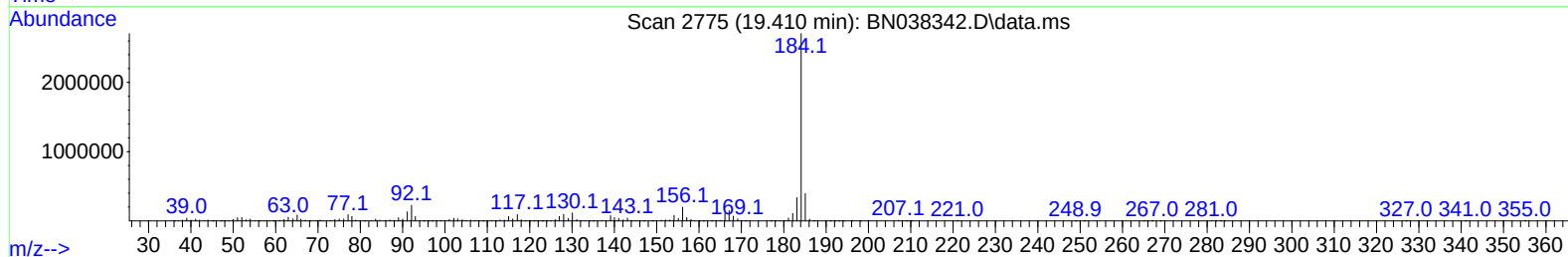
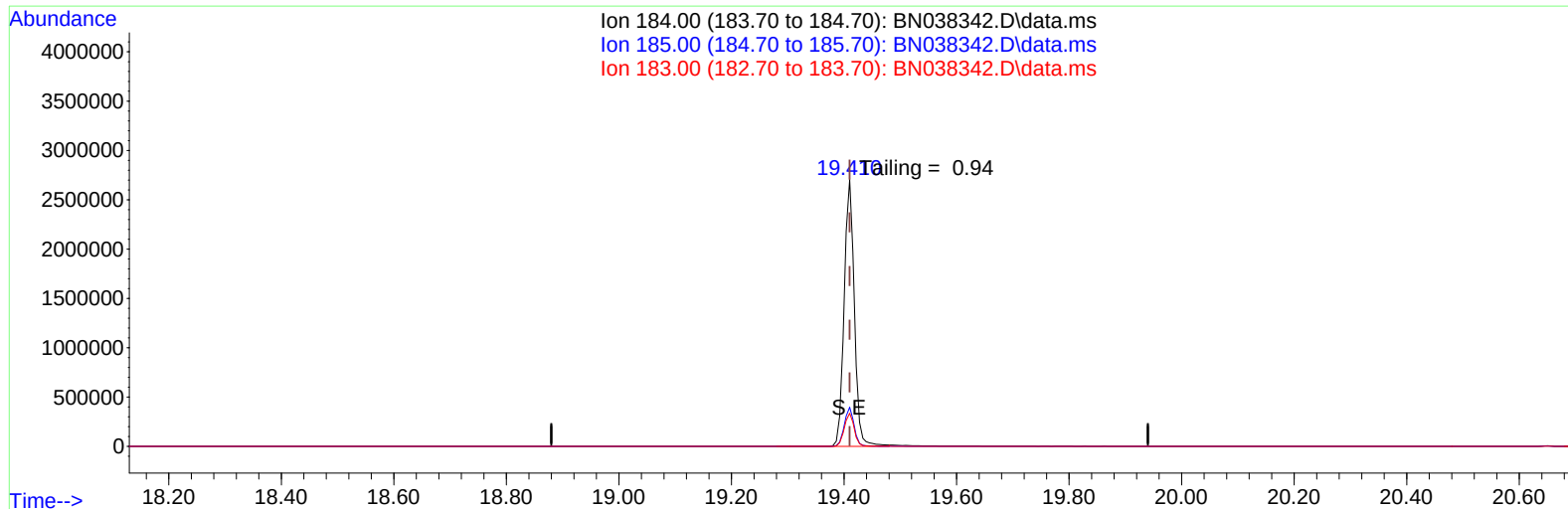
response 648827

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	63.78
264.00	61.60	55.06
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038342.D
Acq On : 12 Dec 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 12 10:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 12 03:10:04 2025
Response via : Initial Calibration



TIC: BN038342.D\data.ms

(77) Benzdine

19.410min (0.000) 4688.42 ng m

response 3400755

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.67
183.00	13.20	12.40
0.00	0.00	0.00



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB170850BL	SDG No.:	Q3788
Lab Sample ID:	PB170850BL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 mL	Test:	SVOC-SIMGroup1
Prep Method :	3510C		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.070	U	1	0.070	0.20	ug/L	12/11/25 11:49	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.36			30 (47) - 150 (106)	90%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.35			30 (54) - 150 (157)	88%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.40			30 (56) - 130 (116)	100%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.38			30 (50) - 130 (126)	94%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.45			30 (54) - 130 (175)	113%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	6930							
1146-65-2	Naphthalene-d8	17900							
15067-26-2	Acenaphthene-d10	8620							
1517-22-2	Phenanthrene-d10	14700							
1719-03-5	Chrysene-d12	9360							
1520-96-3	Perylene-d12	9320							

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\BN121125\
Data File : BN038312.D
Acq On : 11 Dec 2025 11:49
Operator : RC/JU
Sample : PB170850BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170850BL

Quant Time: Dec 11 12:18:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6927	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	17922	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	8615	0.400	ng	0.00
19) Phenanthrene-d10	17.148	188	14660	0.400	ng	# 0.00
29) Chrysene-d12	21.348	240	9357	0.400	ng	0.00
35) Perylene-d12	23.642	264	9320	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.298	112	6513	0.378	ng	0.00
5) Phenol-d6	6.894	99	7234	0.353	ng	0.00
8) Nitrobenzene-d5	8.875	82	6016	0.398	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	9148	0.362	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	576	0.151	ng	0.00
15) 2-Fluorobiphenyl	13.019	172	15599	0.376	ng	0.01
27) Fluoranthene-d10	19.187	212	12817	0.354	ng	0.00
31) Terphenyl-d14	19.791	244	9454	0.453	ng	0.00

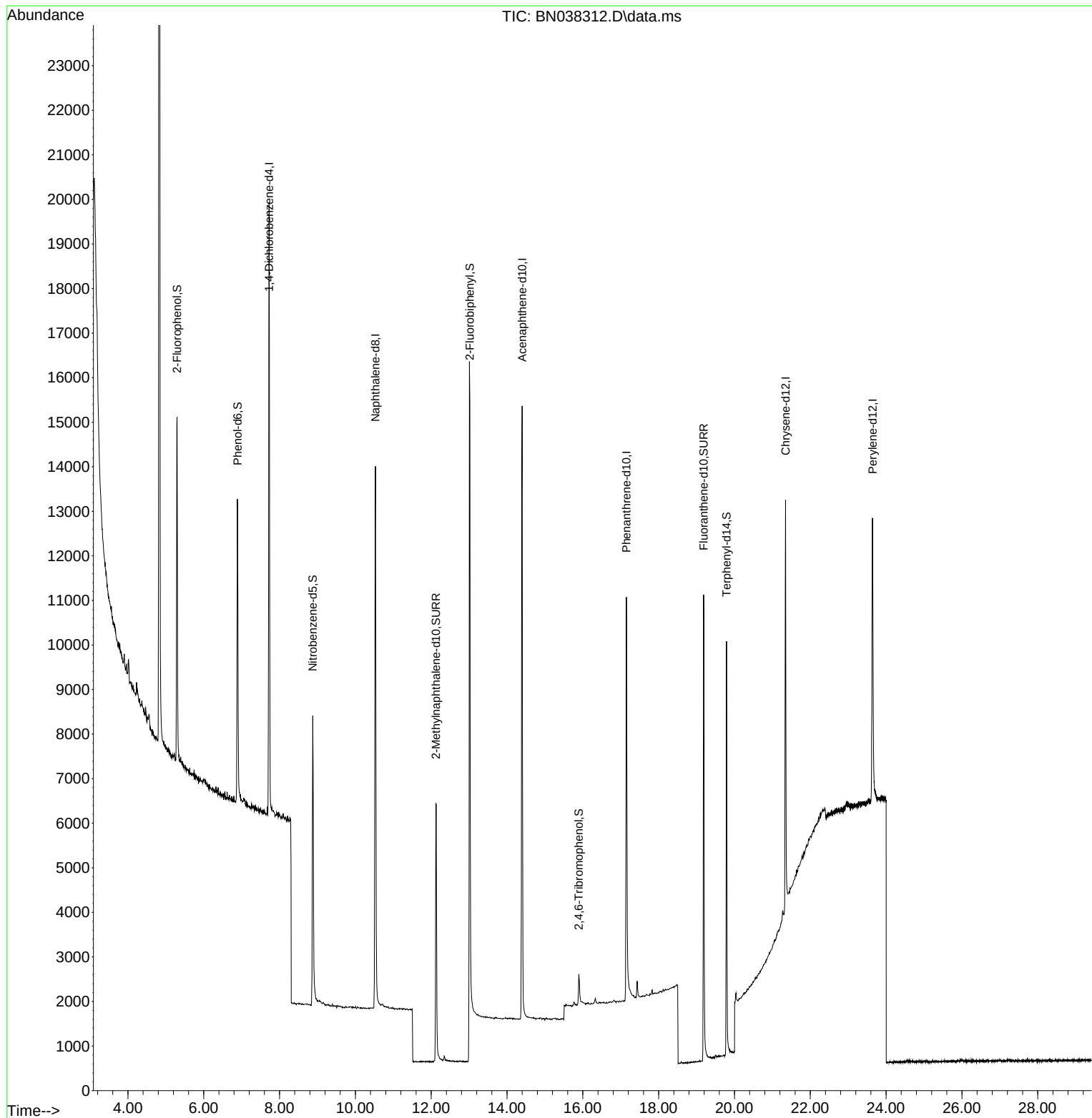
Target Compounds	Qvalue

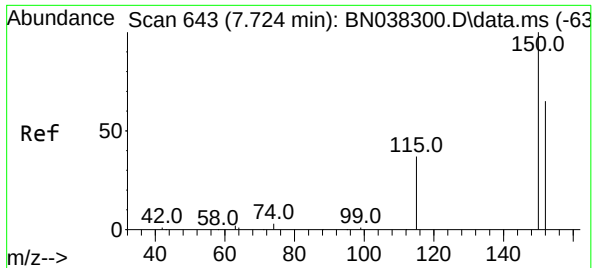
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038312.D
Acq On : 11 Dec 2025 11:49
Operator : RC/JU
Sample : PB170850BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170850BL

Quant Time: Dec 11 12:18:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

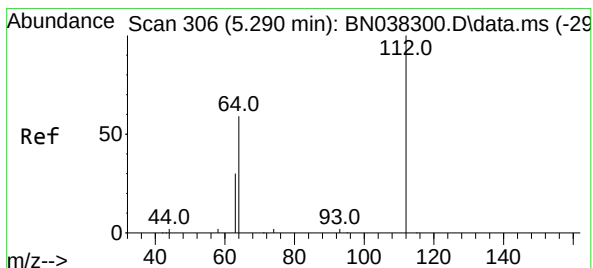
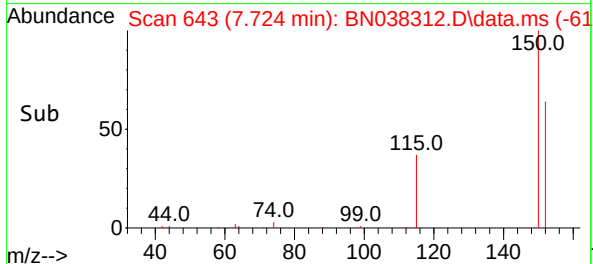
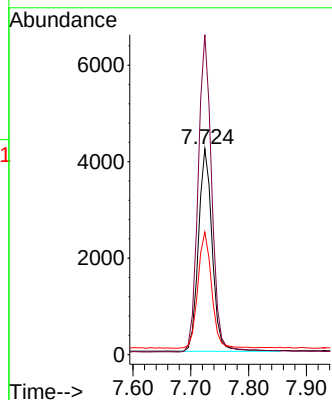
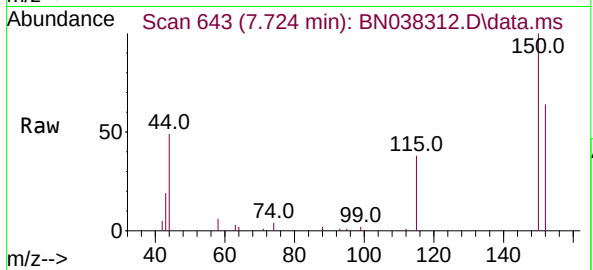




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

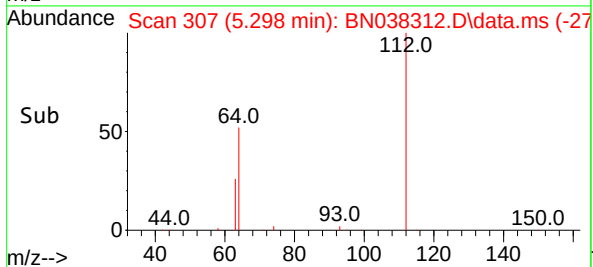
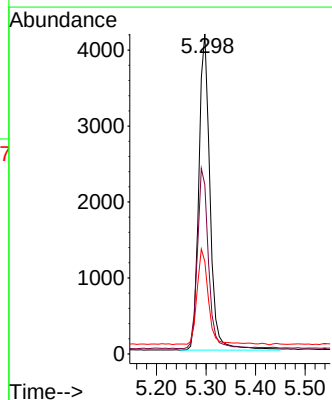
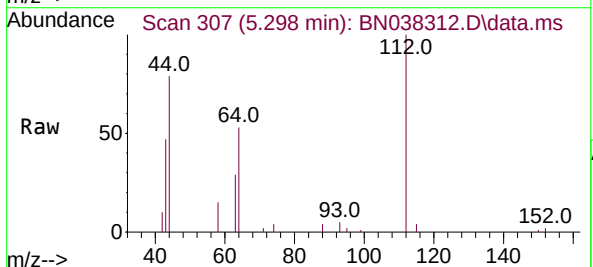
Instrument :
BNA_N
ClientSampleId :
PB170850BL

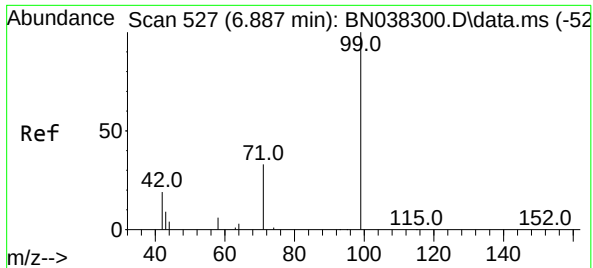
Tgt Ion:152 Resp: 6927
Ion Ratio Lower Upper
152 100
150 155.5 122.4 183.6
115 59.6 47.3 70.9



#4
2-Fluorophenol
Concen: 0.378 ng
RT: 5.298 min Scan# 307
Delta R.T. 0.007 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Tgt Ion:112 Resp: 6513
Ion Ratio Lower Upper
112 100
64 57.0 44.4 66.6
63 31.5 23.4 35.0

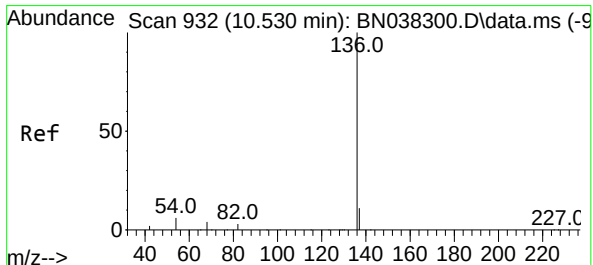
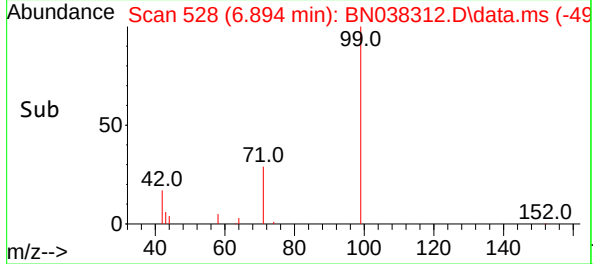
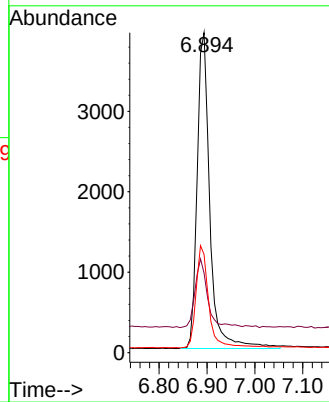
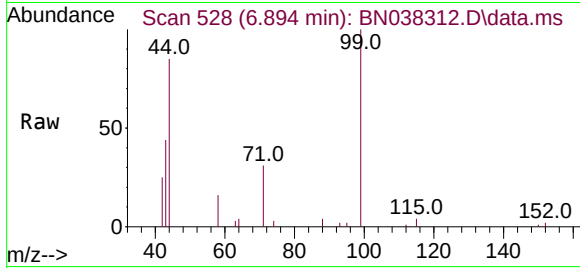




#5
Phenol-d6
Concen: 0.353 ng
RT: 6.894 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

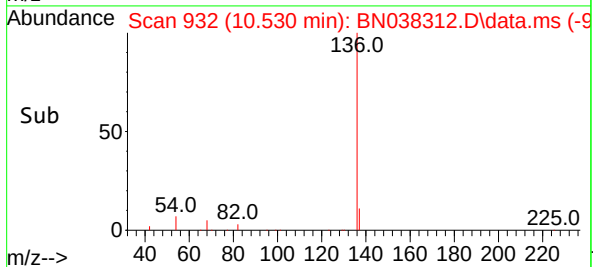
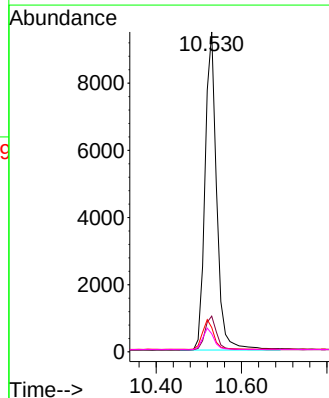
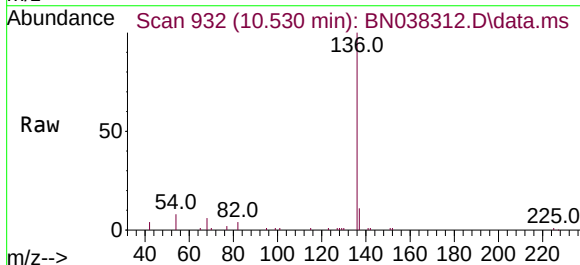
Instrument :
BNA_N
ClientSampleId :
PB170850BL

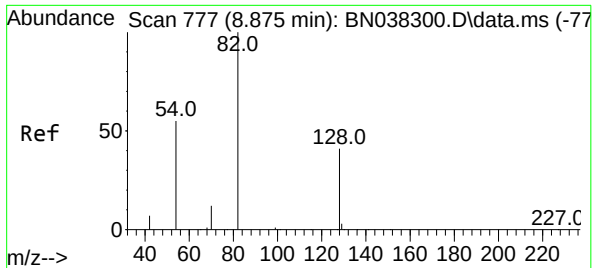
Tgt Ion: 99 Resp: 7234
Ion Ratio Lower Upper
99 100
42 21.4 16.5 24.7
71 32.7 24.9 37.3



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Tgt Ion: 136 Resp: 17922
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.6 5.2 7.8
68 5.7 4.1 6.1

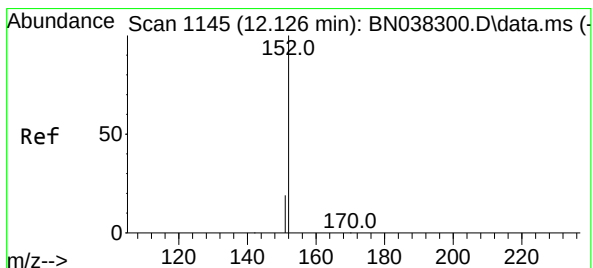
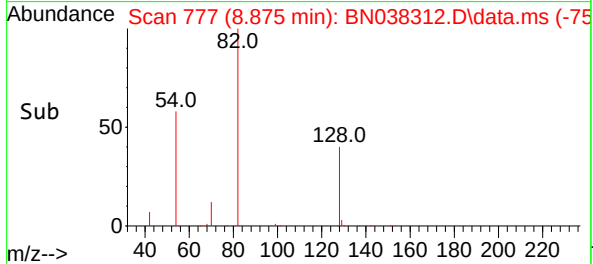
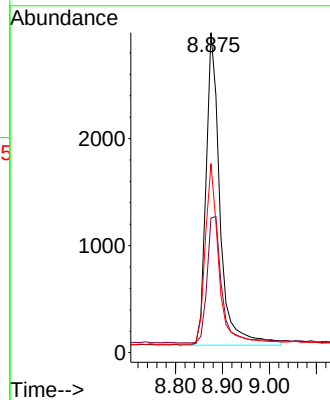
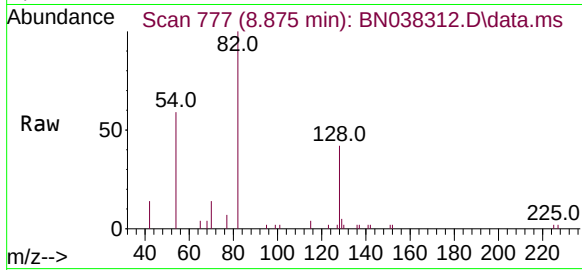




#8
Nitrobenzene-d5
Concen: 0.398 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

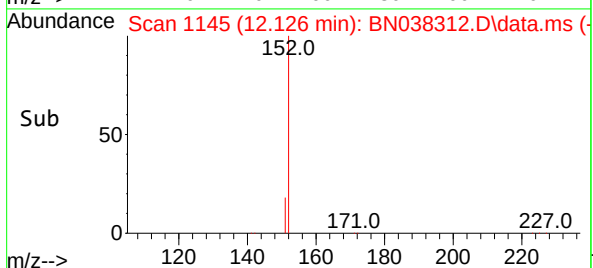
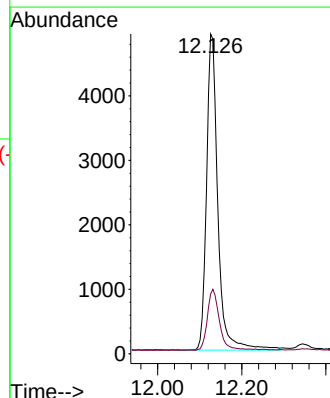
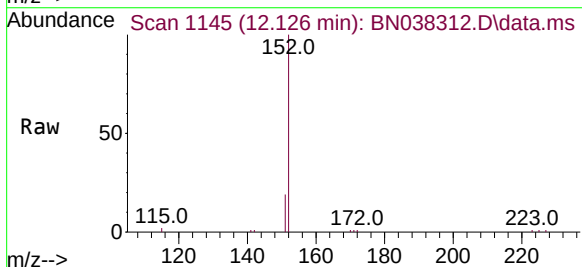
Instrument :
BNA_N
ClientSampleId :
PB170850BL

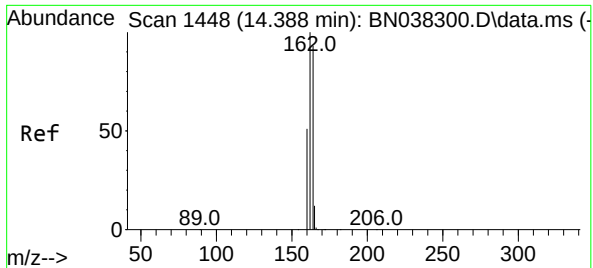
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.0	51.0
54	59.1	44.4	66.6



#11
2-Methylnaphthalene-d10
Concen: 0.362 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	17.0	25.6

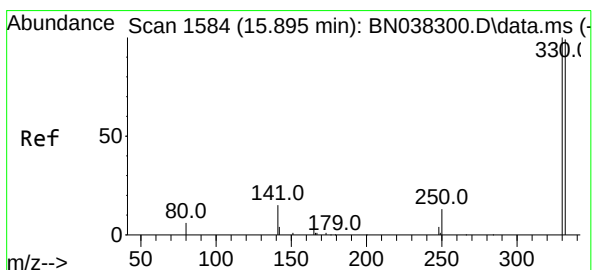
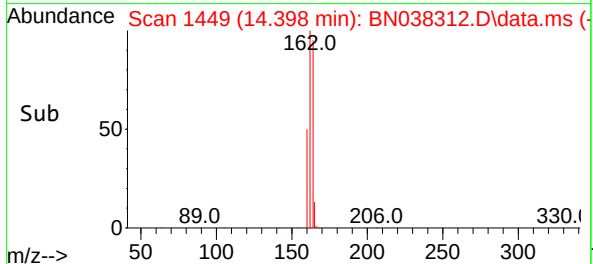
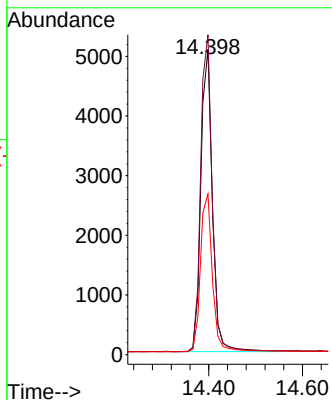
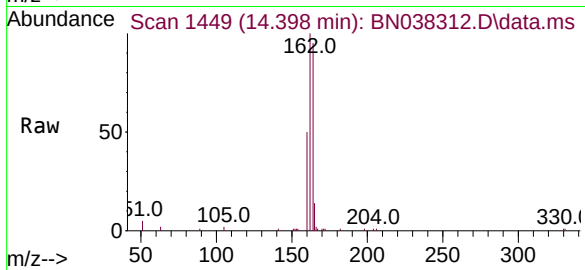




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

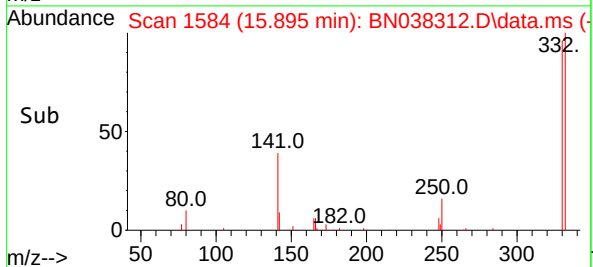
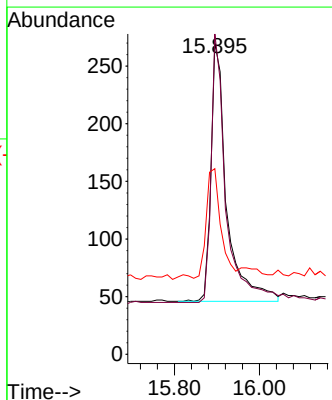
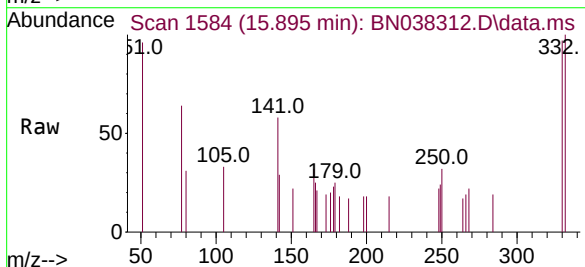
Instrument :
BNA_N
ClientSampleId :
PB170850BL

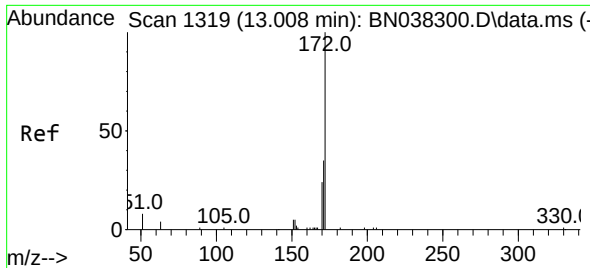
Tgt Ion	164	Resp	8615
Ion Ratio	Lower	Upper	
164	100		
162	104.8	86.2	129.4
160	52.6	44.6	67.0



#14
2,4,6-Tribromophenol
Concen: 0.151 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Tgt Ion	330	Resp	576
Ion Ratio	Lower	Upper	
330	100		
332	98.1	75.8	113.6
141	39.2	31.8	47.8

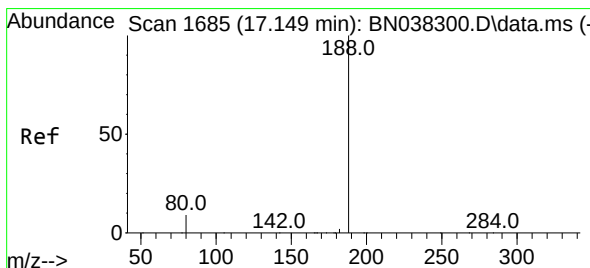
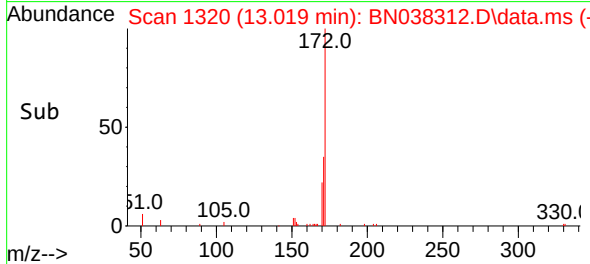
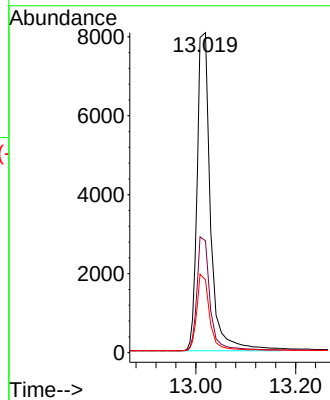
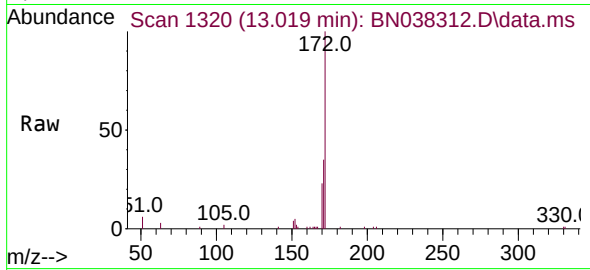




#15
2-Fluorobiphenyl
Concen: 0.376 ng
RT: 13.019 min Scan# 1319
Delta R.T. 0.011 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

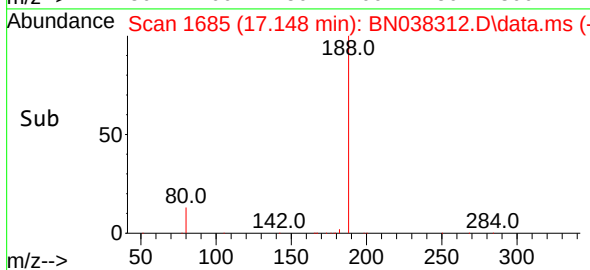
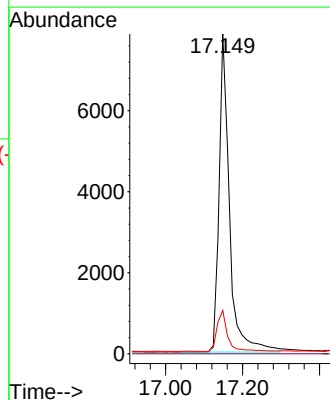
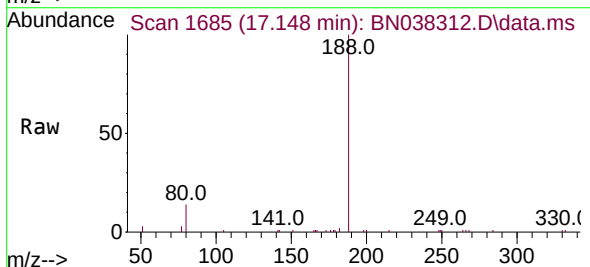
Instrument :
BNA_N
ClientSampleId :
PB170850BL

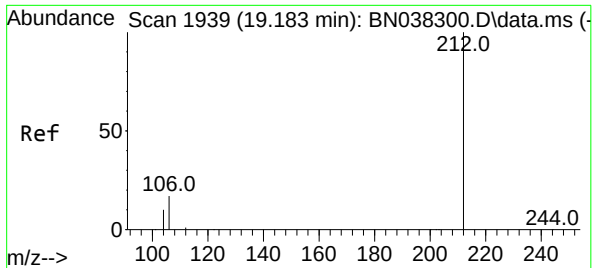
Tgt Ion:172 Resp: 15599
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 22.7 19.3 28.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Tgt Ion:188 Resp: 14660
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.6 7.4 11.0#

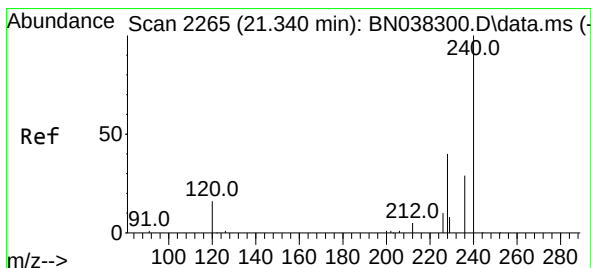
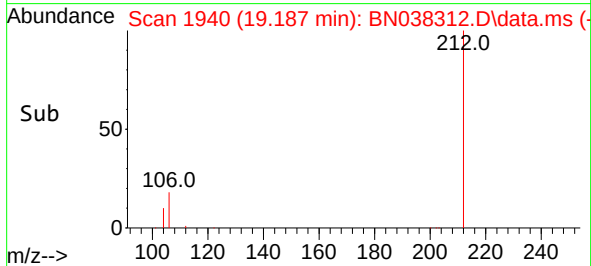
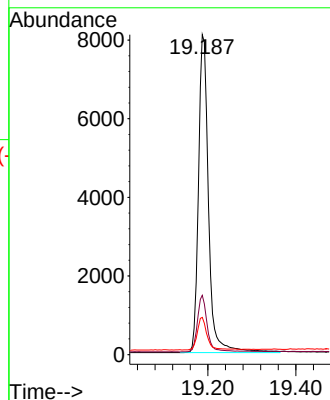
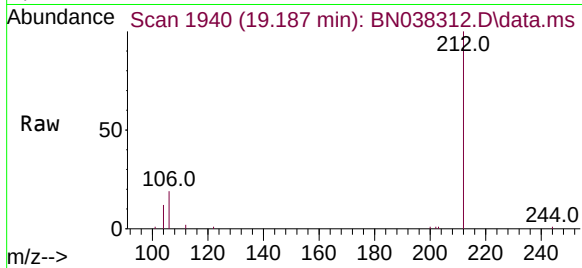




#27
Fluoranthene-d10
Concen: 0.354 ng
RT: 19.187 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

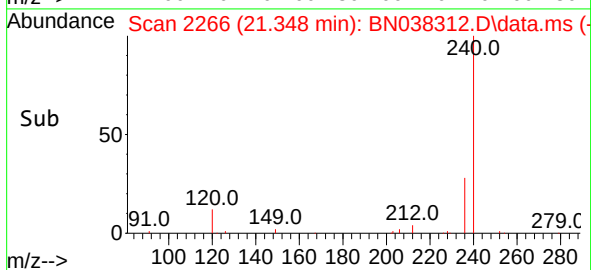
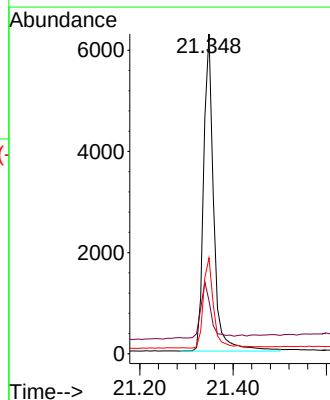
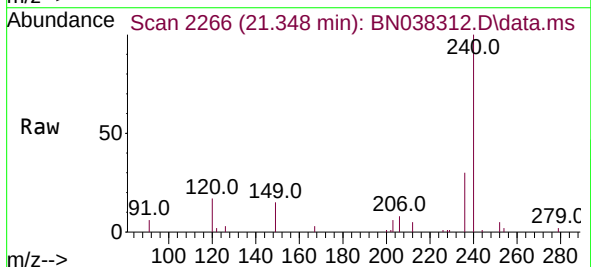
Instrument :
BNA_N
ClientSampleId :
PB170850BL

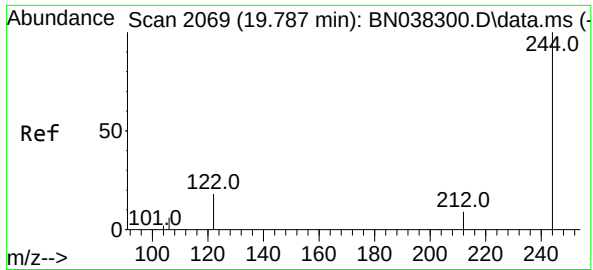
Tgt Ion	Ratio	Lower	Upper
212	100		
106	17.2	13.7	20.5
104	9.8	7.8	11.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.348 min Scan# 2266
Delta R.T. 0.009 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.6	15.4	23.2
236	30.0	23.9	35.9

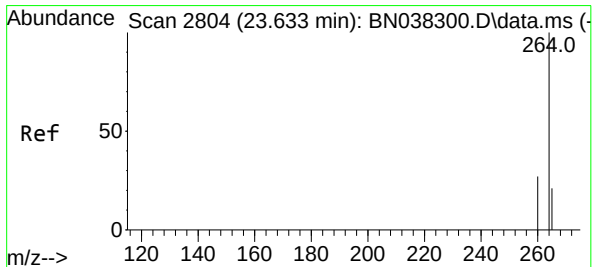
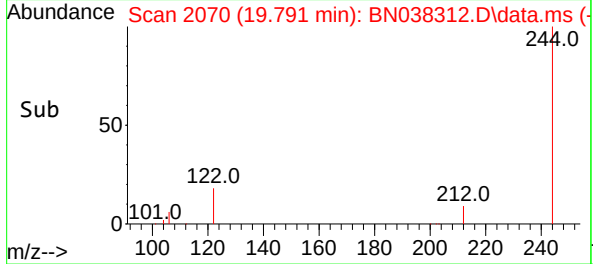
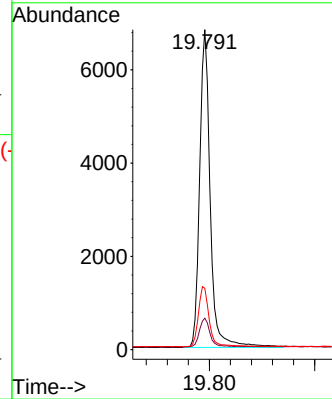
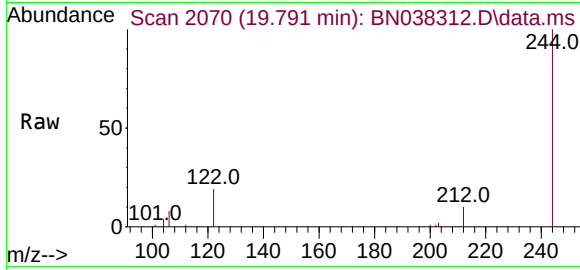




#31
Terphenyl-d14
Concen: 0.453 ng
RT: 19.791 min Scan# 2069
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

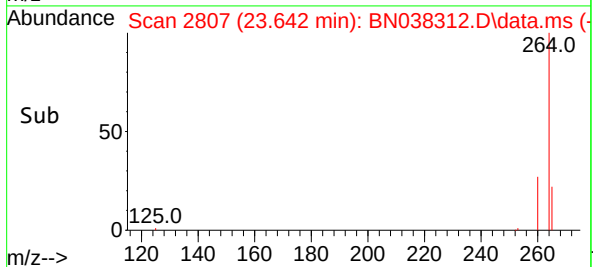
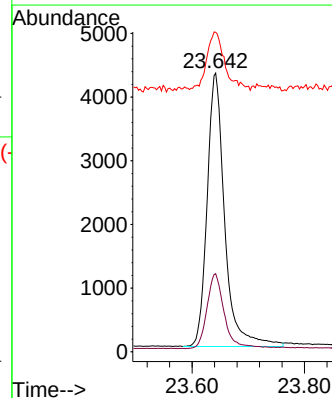
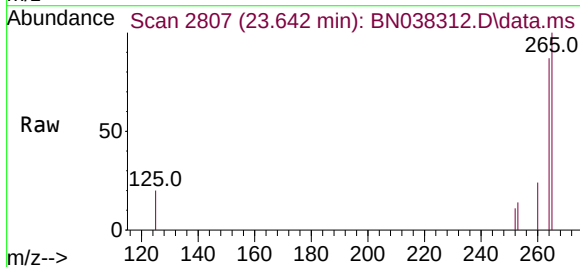
Instrument :
BNA_N
ClientSampleId :
PB170850BL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.9	11.9
122	19.2	15.0	22.6



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.642 min Scan# 2807
Delta R.T. 0.009 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	28.0	22.2	33.2
265	114.6	80.2	120.2





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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB170850BS	SDG No.:	Q3788
Lab Sample ID:	PB170850BS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 mL	Test:	SVOC-SIMGroup1
Prep Method :	3510C		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.30		1	0.070	0.20	ug/L	12/11/25 20:52	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.39			30 (47) - 150 (106)	96%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.34			30 (54) - 150 (157)	84%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.40			30 (56) - 130 (116)	99%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.40			30 (50) - 130 (126)	100%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.45			30 (54) - 130 (175)	112%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	6130							
1146-65-2	Naphthalene-d8	16200							
15067-26-2	Acenaphthene-d10	7970							
1517-22-2	Phenanthrene-d10	13400							
1719-03-5	Chrysene-d12	8500							
1520-96-3	Perylene-d12	8670							

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\BN121125\
 Data File : BN038327.D
 Acq On : 11 Dec 2025 20:52
 Operator : RC/JU
 Sample : PB170850BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

PB170850BS

Manual Integrations**APPROVED**

Reviewed By :Rahul Chavli 12/12/2025

Supervised By :Jagrut Upadhyay 12/12/2025

Quant Time: Dec 12 00:11:20 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Dec 10 13:56:50 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6134	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	16248	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	7966	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	13383	0.400	ng	0.00
29) Chrysene-d12	21.340	240	8501	0.400	ng	0.00
35) Perylene-d12	23.636	264	8673	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.298	112	5824	0.381	ng	0.00
5) Phenol-d6	6.887	99	6623	0.365	ng	0.00
8) Nitrobenzene-d5	8.875	82	5441	0.397	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	8818m	0.385	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1039	0.294	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	15324	0.399	ng	0.00
27) Fluoranthene-d10	19.187	212	11096	0.335	ng	0.00
31) Terphenyl-d14	19.787	244	8478	0.447	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	2141	0.304	ng	# 51
3) n-Nitrosodimethylamine	3.507	42	2899	0.329	ng	# 93
6) bis(2-Chloroethyl)ether	7.147	93	6069	0.342	ng	99
9) Naphthalene	10.573	128	16393	0.341	ng	99
10) Hexachlorobutadiene	10.872	225	2856	0.335	ng	# 100
12) 2-Methylnaphthalene	12.197	142	9615	0.315	ng	100
16) Acenaphthylene	14.110	152	14728	0.377	ng	99
17) Acenaphthene	14.452	154	8945	0.328	ng	98
18) Fluorene	15.446	166	11710	0.334	ng	98
20) 4,6-Dinitro-2-methylph...	15.535	198	148	0.067	ng	# 1
21) 4-Bromophenyl-phenylether	16.342	248	3314	0.334	ng	99
22) Hexachlorobenzene	16.453	284	4092	0.343	ng	99
23) Atrazine	16.615	200	2251	0.332	ng	98
25) Phenanthrene	17.186	178	16441	0.353	ng	99
26) Anthracene	17.285	178	14080	0.351	ng	99
28) Fluoranthene	19.215	202	15743	0.318	ng	100
30) Pyrene	19.578	202	16009	0.383	ng	100
32) Benzo(a)anthracene	21.331	228	11570	0.352	ng	97
33) Chrysene	21.375	228	12660	0.350	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	6131	0.340	ng	100
36) Indeno(1,2,3-cd)pyrene	25.963	276	17487	0.380	ng	100
37) Benzo(b)fluoranthene	22.940	252	12646	0.317	ng	93
38) Benzo(k)fluoranthene	22.990	252	12767	0.321	ng	# 93
39) Benzo(a)pyrene	23.531	252	11625	0.357	ng	96
40) Dibenzo(a,h)anthracene	25.978	278	13434	0.379	ng	96
41) Benzo(g,h,i)perylene	26.671	276	15211	0.384	ng	99

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

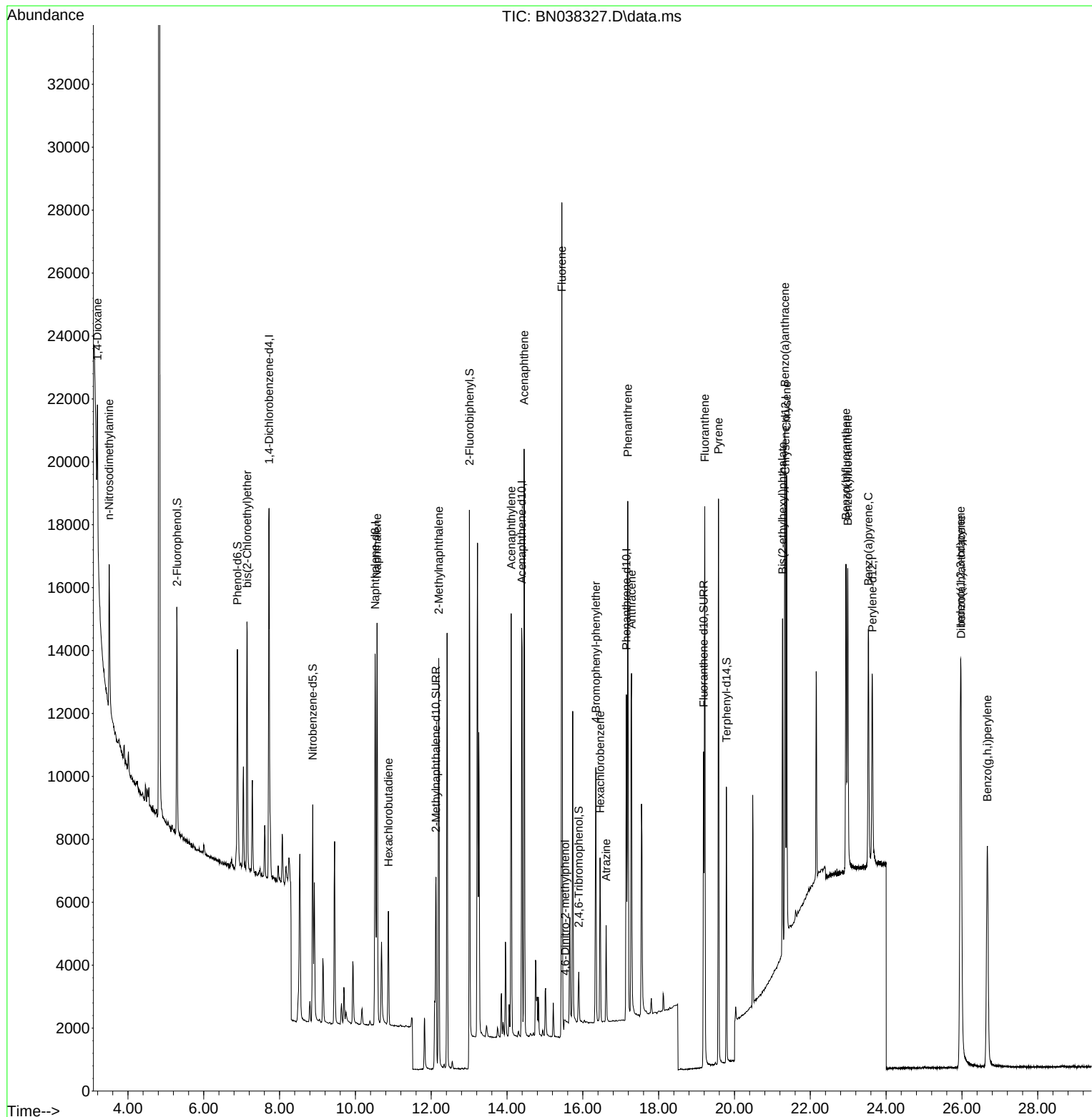
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 Acq On : 11 Dec 2025 20:52
 Operator : RC/JU
 Sample : PB170850BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

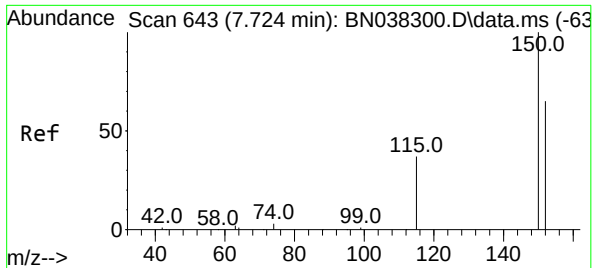
Instrument :
 BNA_N
 ClientSampleId :
 PB170850BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 12/12/2025
 Supervised By :Jagrut Upadhyay 12/12/2025

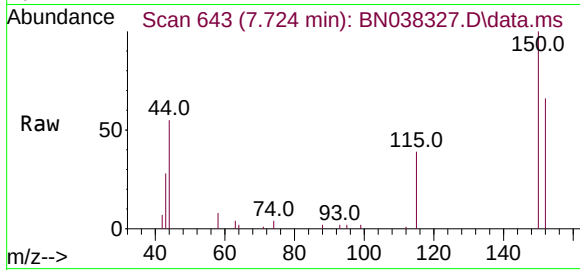
Quant Time: Dec 12 00:11:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.724 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: BN038327.D
 Acq: 11 Dec 2025 20:52

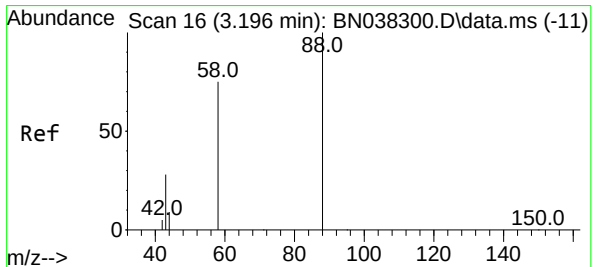
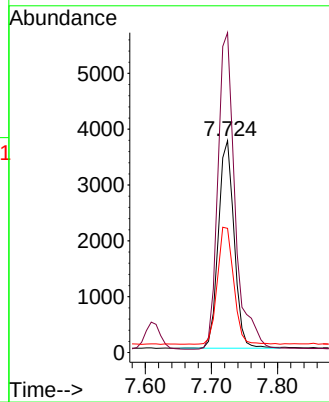
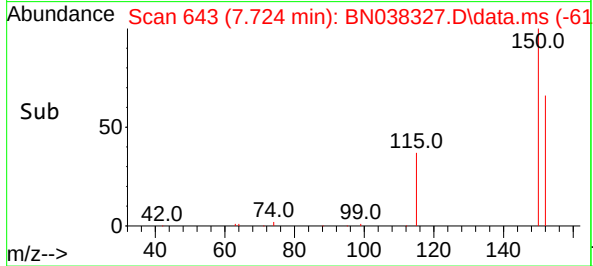
Instrument :
 BNA_N
 ClientSampleId :
 PB170850BS



Tgt Ion:152 Resp: 6134
 Ion Ratio Lower Upper
 152 100
 150 150.9 122.4 183.6
 115 58.6 47.3 70.9

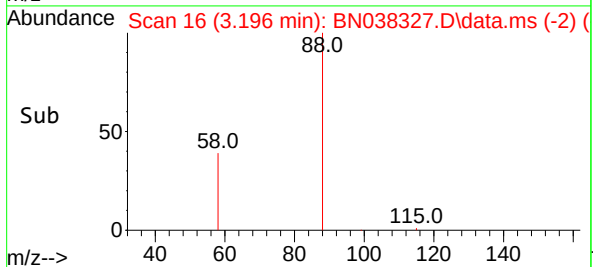
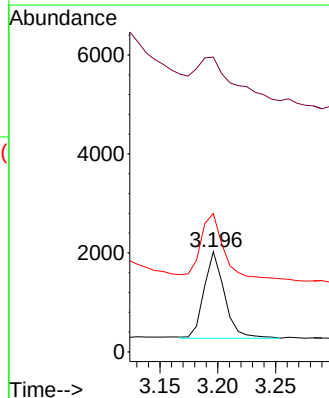
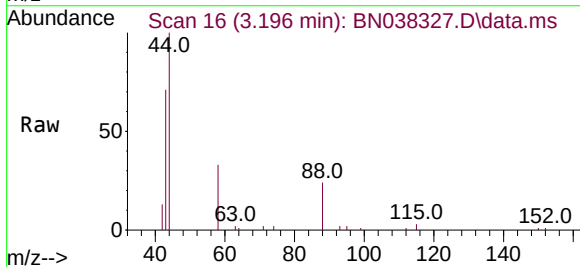
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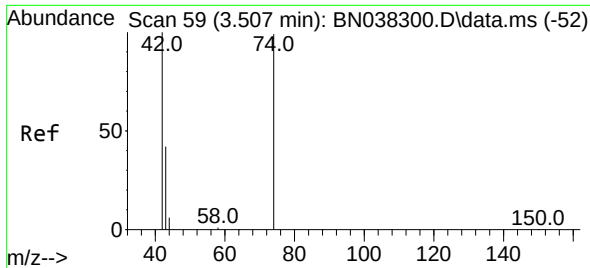
Reviewed By :Rahul Chavli 12/12/2025
 Supervised By :Jagrut Upadhyay 12/12/2025



#2
 1,4-Dioxane
 Concen: 0.304 ng
 RT: 3.196 min Scan# 16
 Delta R.T. 0.000 min
 Lab File: BN038327.D
 Acq: 11 Dec 2025 20:52

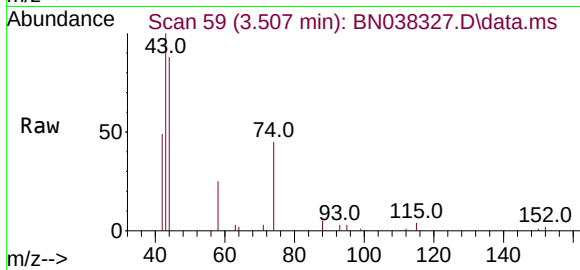
Tgt Ion: 88 Resp: 2141
 Ion Ratio Lower Upper
 88 100
 43 98.3 24.9 37.3#
 58 93.1 61.4 92.0#





#3
n-Nitrosodimethylamine
Concen: 0.329 ng
RT: 3.507 min Scan# 59
Delta R.T. 0.007 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

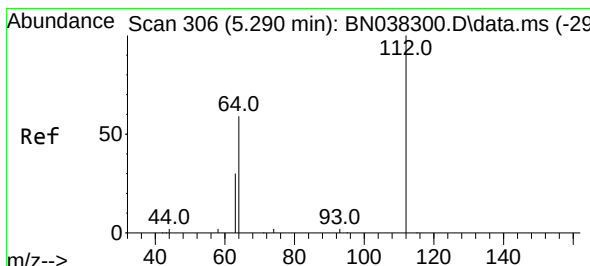
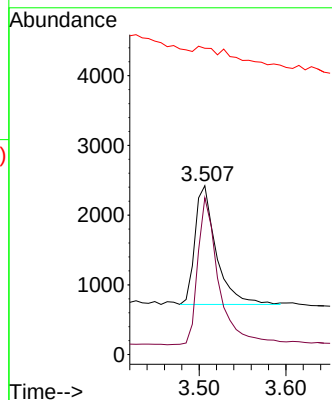
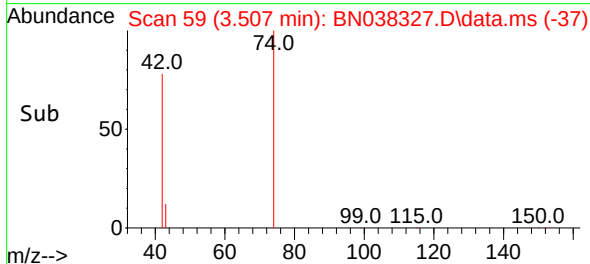
Instrument :
BNA_N
ClientSampleId :
PB170850BS



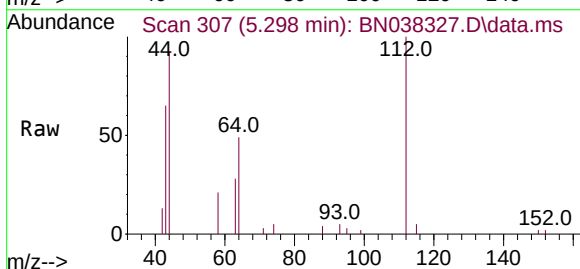
Tgt Ion: 42 Resp: 2899
Ion Ratio Lower Upper
42 100
74 125.0 95.3 142.9
44 0.0 7.9 11.9

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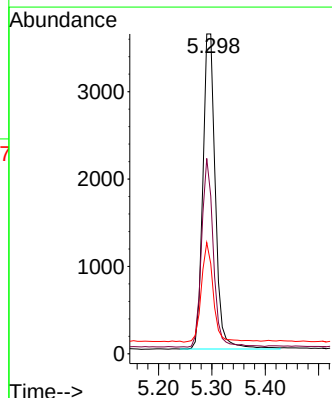
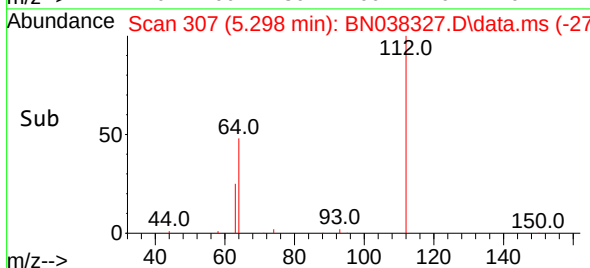
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025

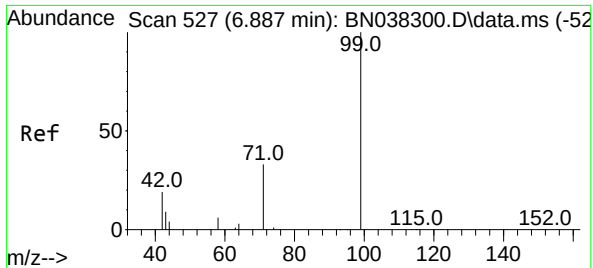


#4
2-Fluorophenol
Concen: 0.381 ng
RT: 5.298 min Scan# 307
Delta R.T. 0.007 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52



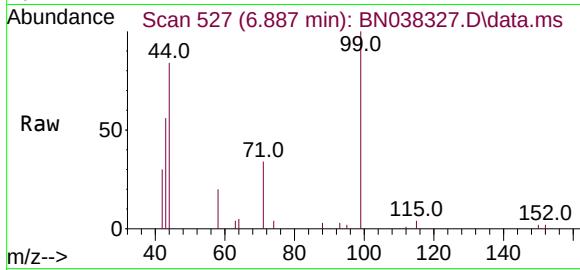
Tgt Ion:112 Resp: 5824
Ion Ratio Lower Upper
112 100
64 56.1 44.4 66.6
63 30.3 23.4 35.0





#5
Phenol-d6
Concen: 0.365 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

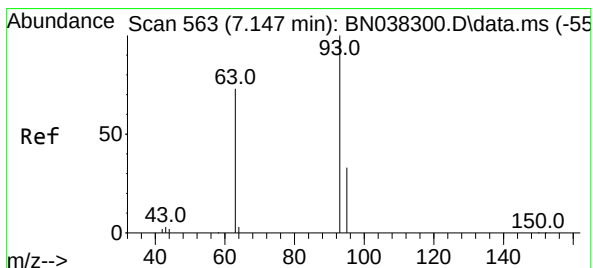
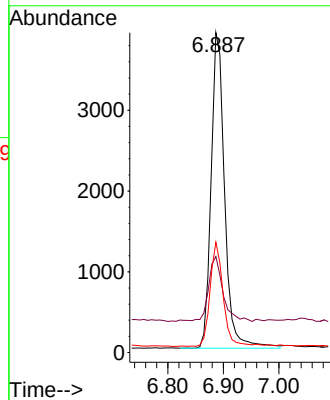
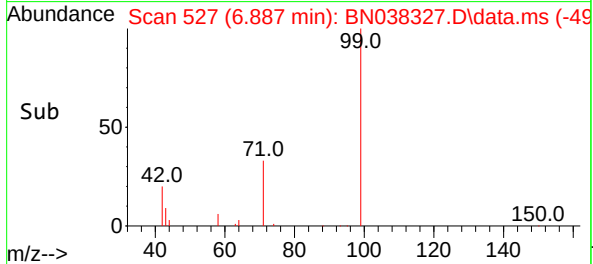
Instrument :
BNA_N
ClientSampleId :
PB170850BS



Tgt Ion: 99 Resp: 6623
Ion Ratio Lower Upper
99 100
42 21.6 16.5 24.7
71 32.0 24.9 37.3

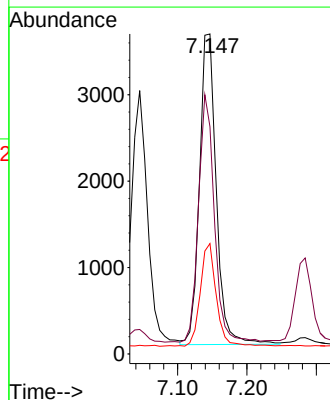
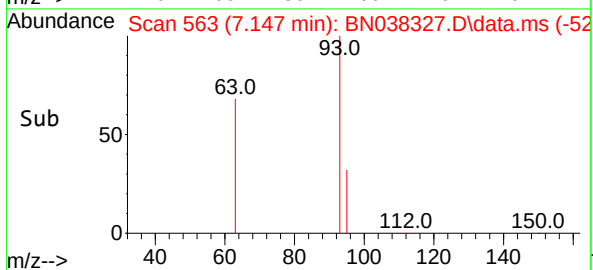
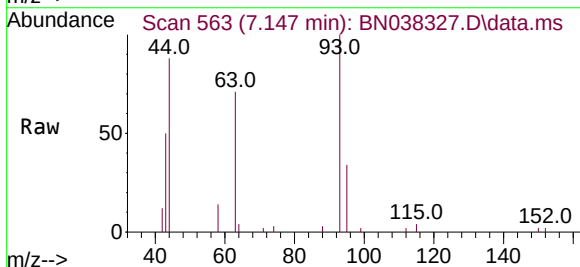
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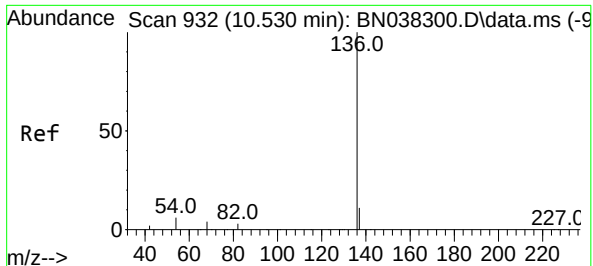
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.342 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

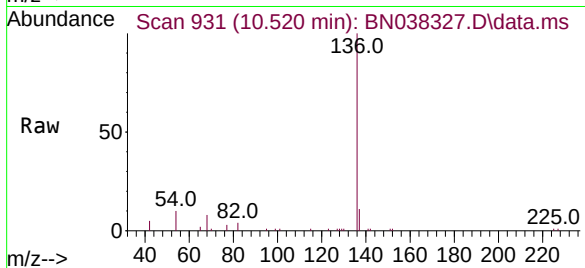
Tgt Ion: 93 Resp: 6069
Ion Ratio Lower Upper
93 100
63 74.6 59.2 88.8
95 31.2 25.2 37.8





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

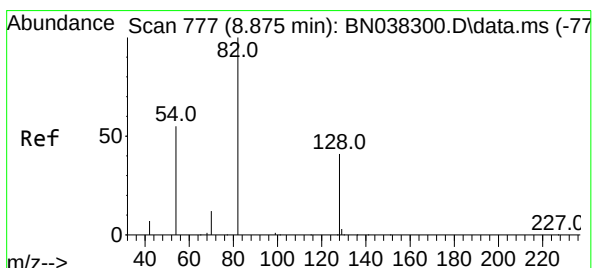
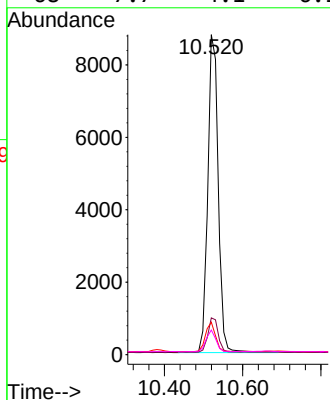
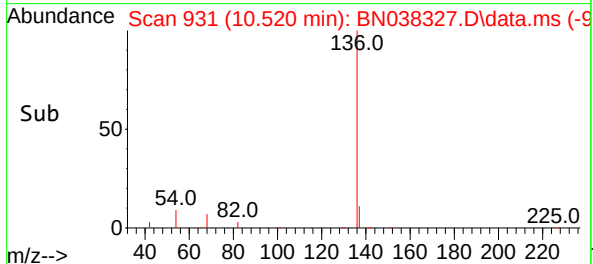
Instrument :
BNA_N
ClientSampleId :
PB170850BS



Tgt Ion: 136 Resp: 16248
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 10.1 5.2 7.8
68 7.7 4.1 6.1#

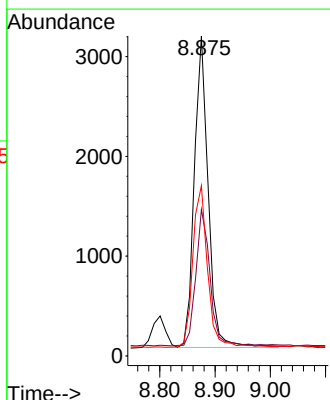
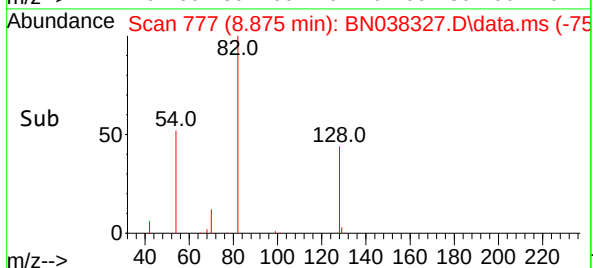
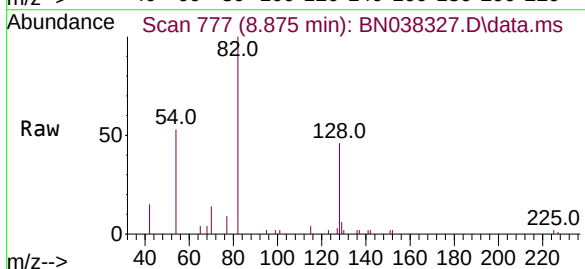
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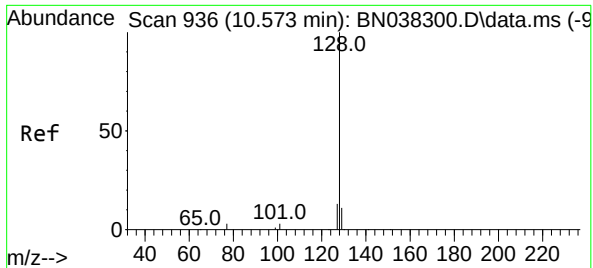
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#8
Nitrobenzene-d5
Concen: 0.397 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

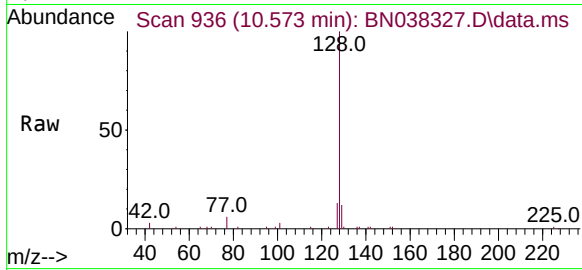
Tgt Ion: 82 Resp: 5441
Ion Ratio Lower Upper
82 100
128 45.8 34.0 51.0
54 53.2 44.4 66.6





#9
Naphthalene
Concen: 0.341 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

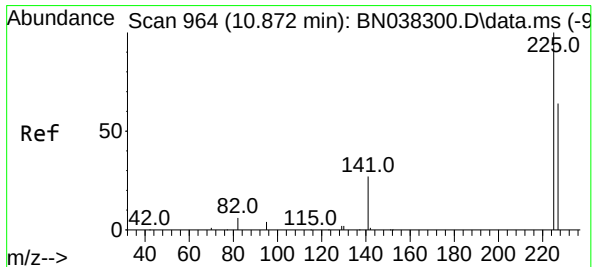
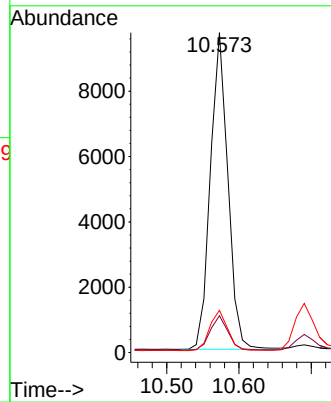
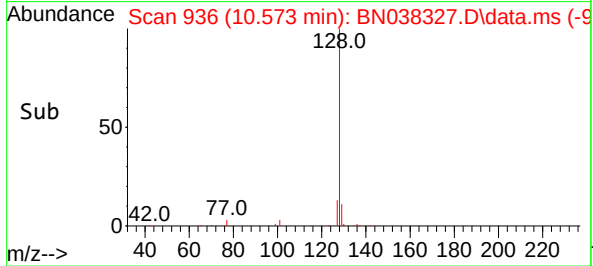
Instrument :
BNA_N
ClientSampleId :
PB170850BS



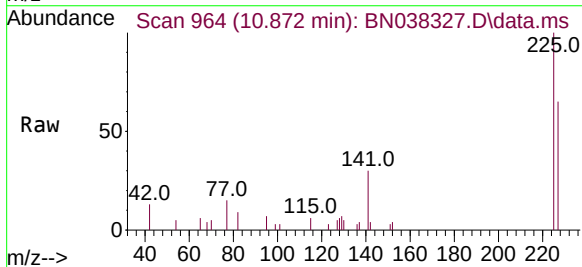
Tgt Ion:128 Resp: 16393
Ion Ratio Lower Upper
128 100
129 11.5 9.1 13.7
127 13.2 10.9 16.3

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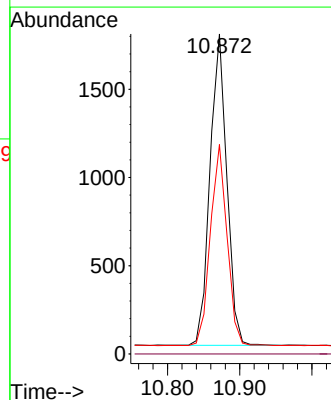
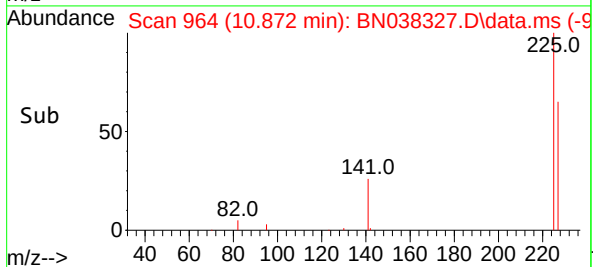
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025

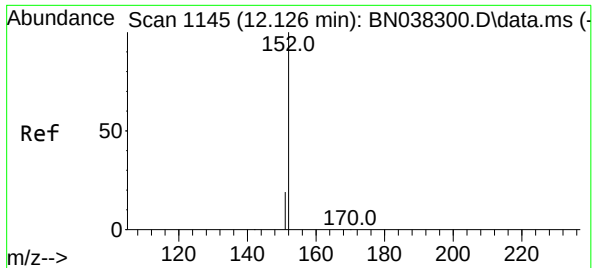


#10
Hexachlorobutadiene
Concen: 0.335 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52



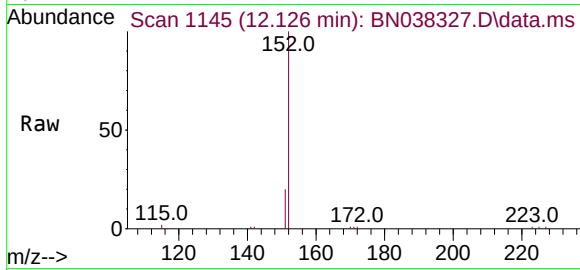
Tgt Ion:225 Resp: 2856
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.9 51.2 76.8





#11
2-Methylnaphthalene-d10
Concen: 0.385 ng m
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

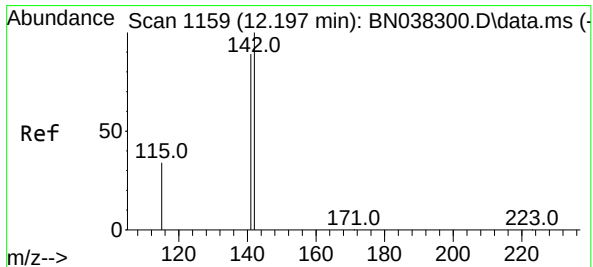
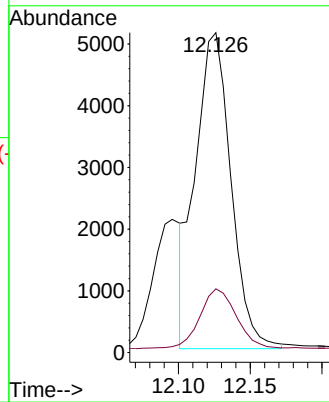
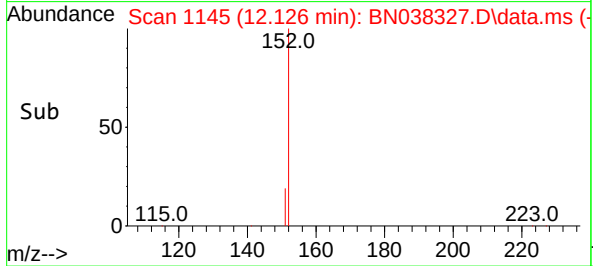
Instrument :
BNA_N
ClientSampleId :
PB170850BS



Tgt Ion:152 Resp: 8818
Ion Ratio Lower Upper
152 100
151 20.2 17.0 25.6

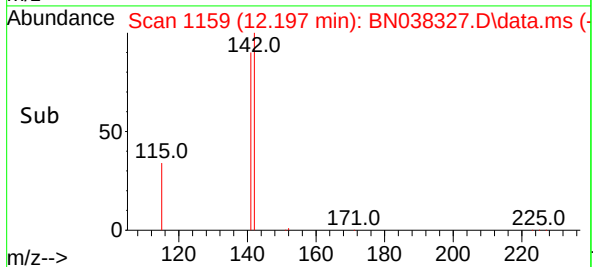
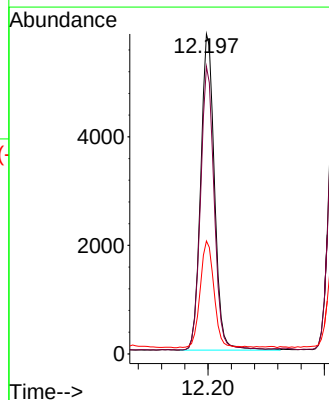
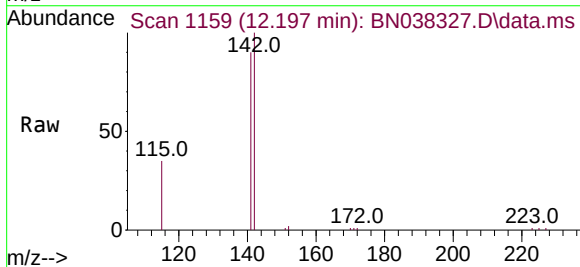
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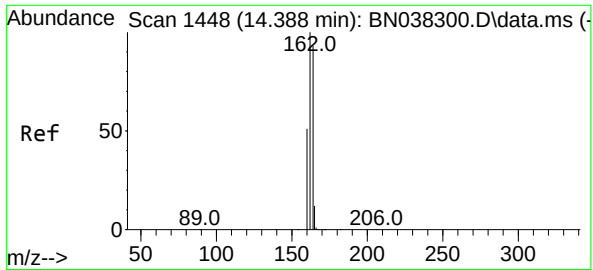
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#12
2-Methylnaphthalene
Concen: 0.315 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

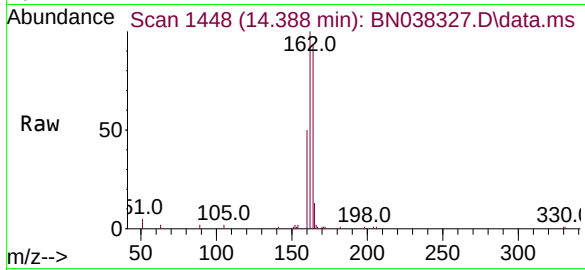
Tgt Ion:142 Resp: 9615
Ion Ratio Lower Upper
142 100
141 89.8 71.4 107.2
115 35.3 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

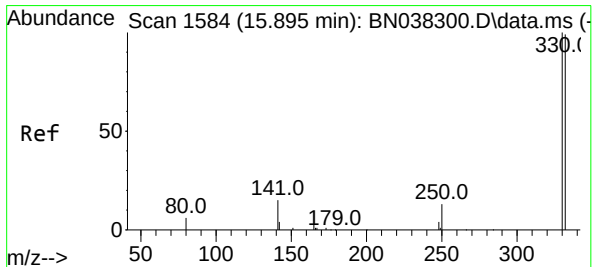
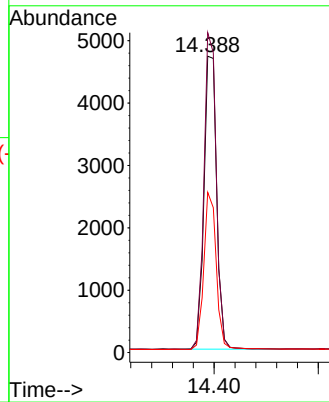
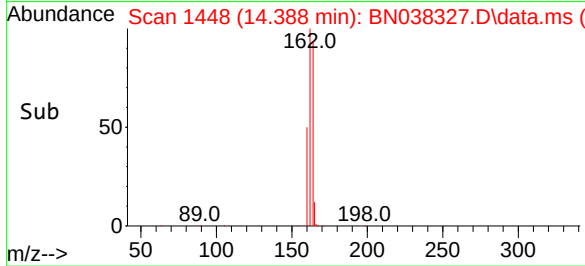
Instrument :
BNA_N
ClientSampleId :
PB170850BS



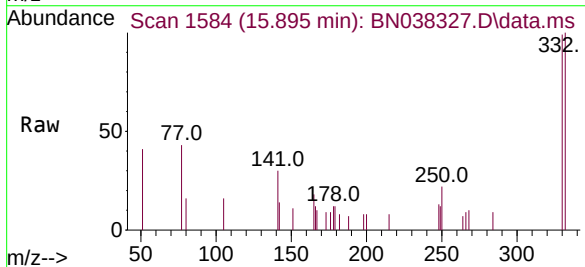
Tgt Ion:164 Resp: 7966
Ion Ratio Lower Upper
164 100
162 108.0 86.2 129.4
160 54.1 44.6 67.0

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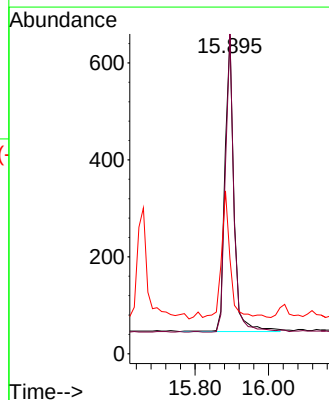
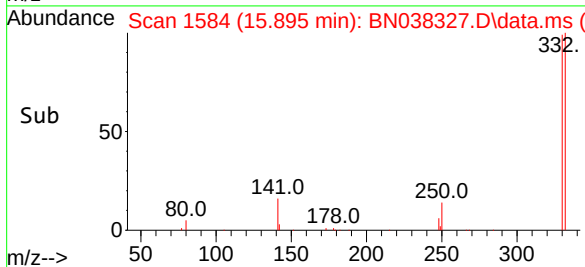
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025

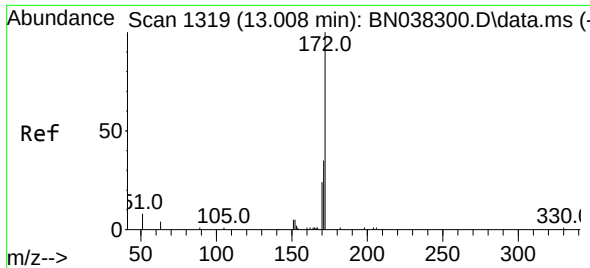


#14
2,4,6-Tribromophenol
Concen: 0.294 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52



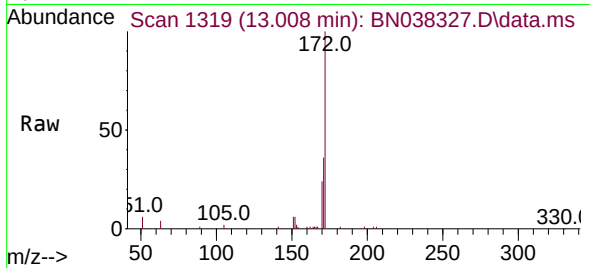
Tgt Ion:330 Resp: 1039
Ion Ratio Lower Upper
330 100
332 95.0 75.8 113.6
141 42.3 31.8 47.8





#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

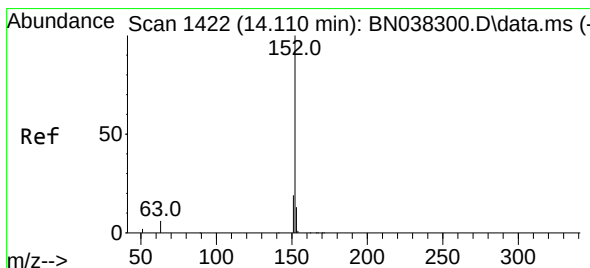
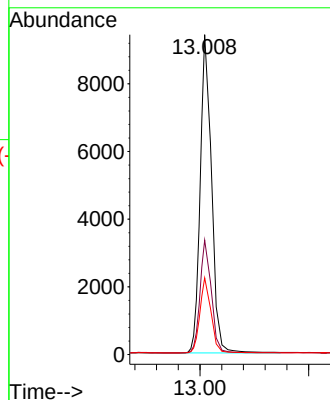
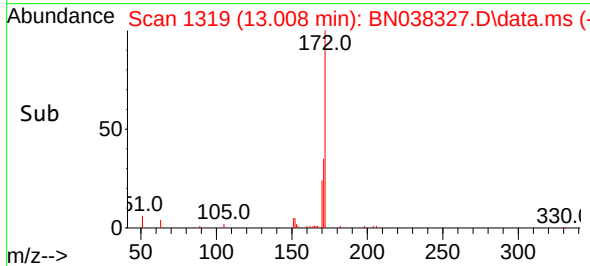
Instrument :
BNA_N
ClientSampleId :
PB170850BS



Tgt Ion:172 Resp: 15324
Ion Ratio Lower Upper
172 100
171 35.8 28.6 42.8
170 24.0 19.3 28.9

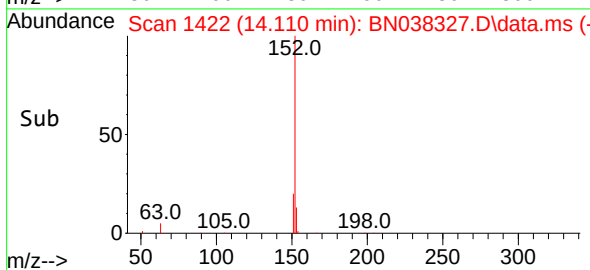
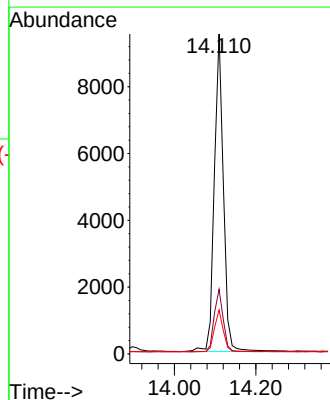
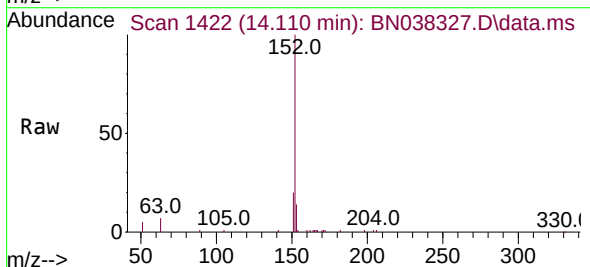
Manual Integrations
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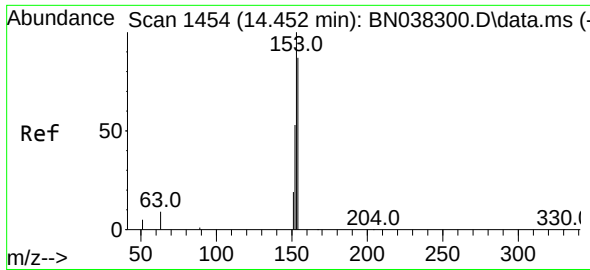
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#16
Acenaphthylene
Concen: 0.377 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

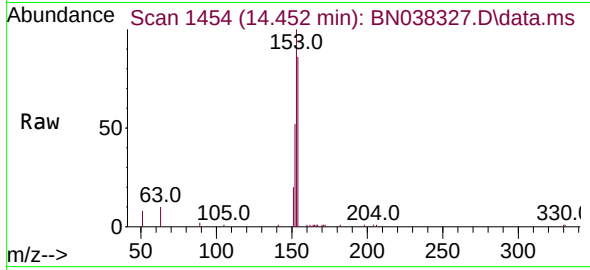
Tgt Ion:152 Resp: 14728
Ion Ratio Lower Upper
152 100
151 19.7 15.4 23.2
153 13.0 10.2 15.4





#17
Acenaphthene
Concen: 0.328 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

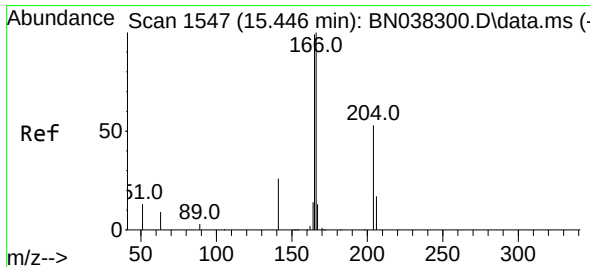
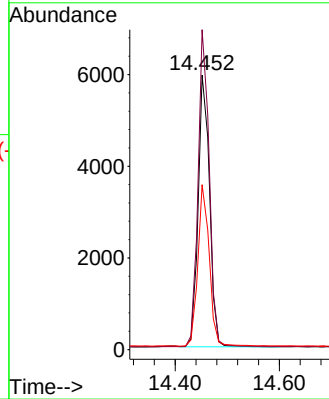
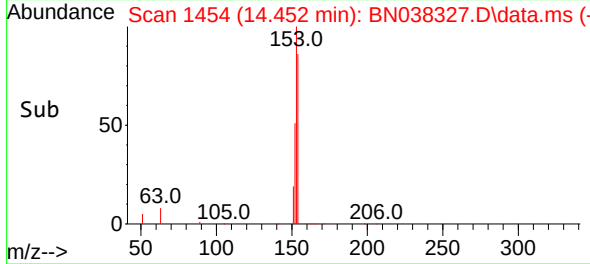
Instrument :
BNA_N
ClientSampleId :
PB170850BS



Tgt Ion:154 Resp: 8945
Ion Ratio Lower Upper
154 100
153 114.9 89.8 134.8
152 59.8 47.5 71.3

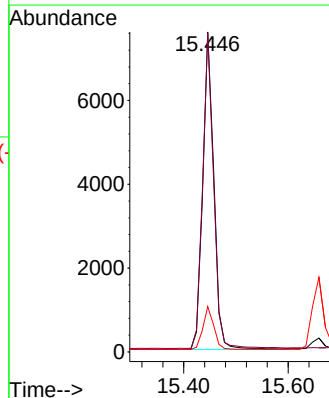
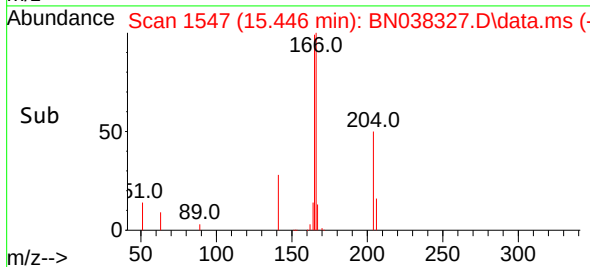
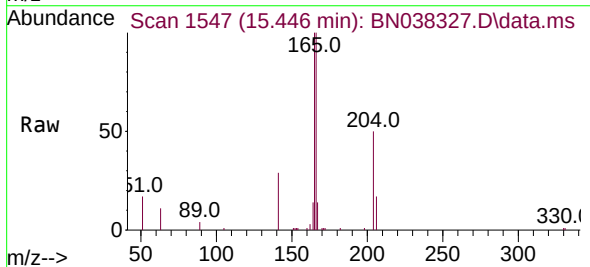
Manual Integrations
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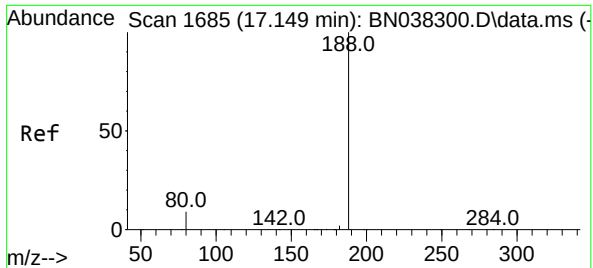
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#18
Fluorene
Concen: 0.334 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

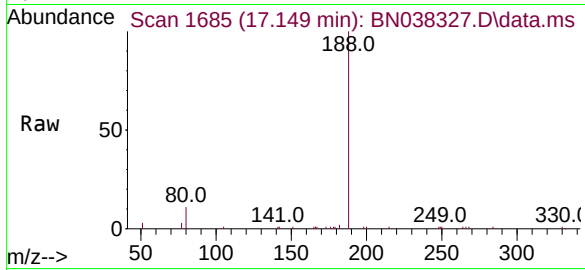
Tgt Ion:166 Resp: 11710
Ion Ratio Lower Upper
166 100
165 98.3 80.2 120.4
167 13.3 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

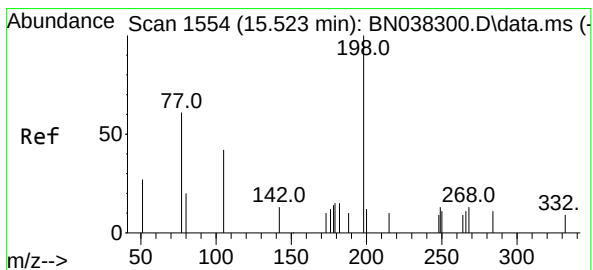
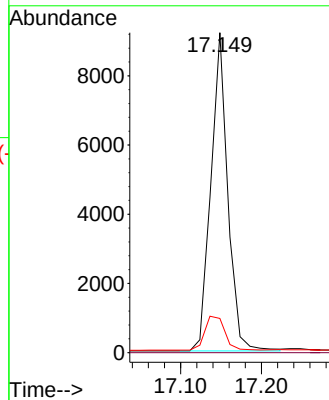
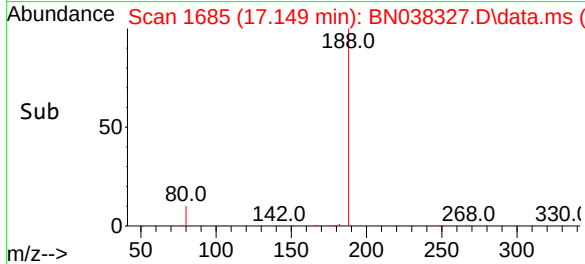
Instrument :
BNA_N
ClientSampleId :
PB170850BS



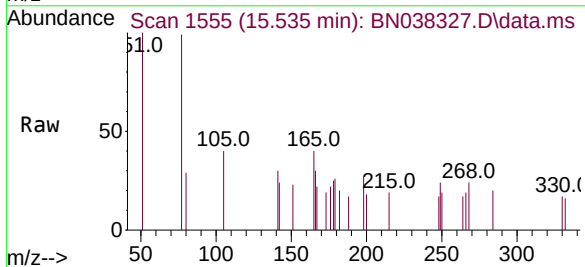
Tgt Ion:188 Resp: 13383
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.7 7.4 11.0

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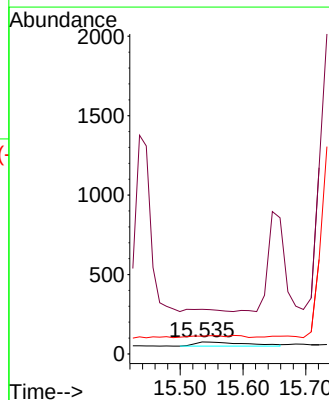
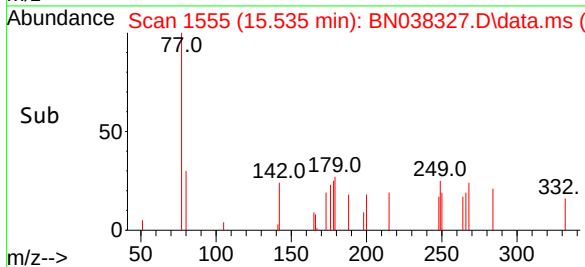
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025

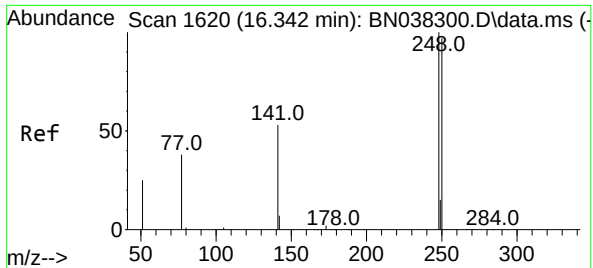


#20
4,6-Dinitro-2-methylphenol
Concen: 0.067 ng
RT: 15.535 min Scan# 1555
Delta R.T. 0.013 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52



Tgt Ion:198 Resp: 148
Ion Ratio Lower Upper
198 100
51 369.7 86.3 129.5#
105 147.4 45.3 67.9#





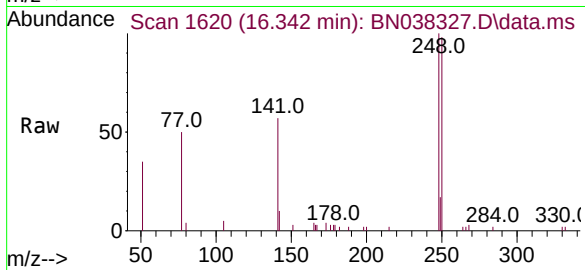
#21
4-Bromophenyl-phenylether
Concen: 0.334 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

Instrument :

BNA_N

ClientSampleId :

PB170850BS

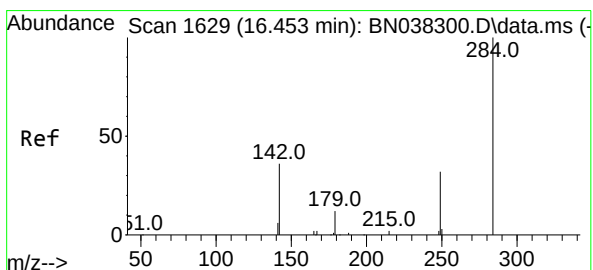
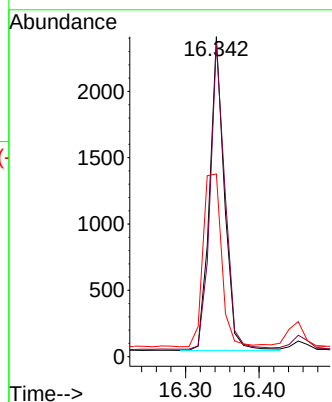
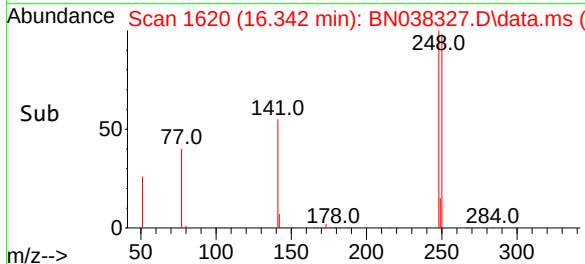


Tgt Ion:248 Resp: 3314
Ion Ratio Lower Upper
248 100
250 97.9 78.2 117.2
141 57.1 43.7 65.5

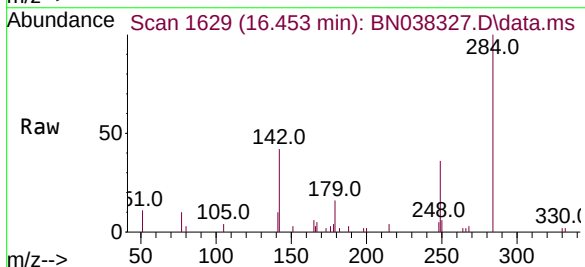
Manual Integrations

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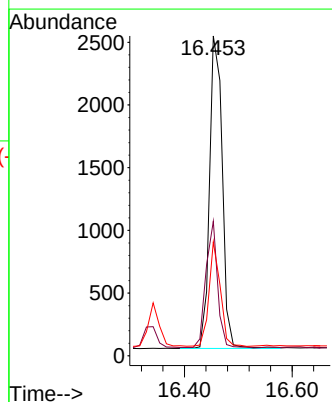
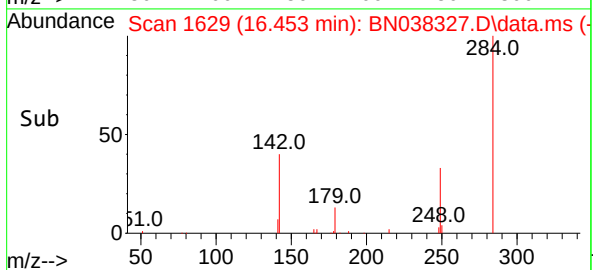
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025

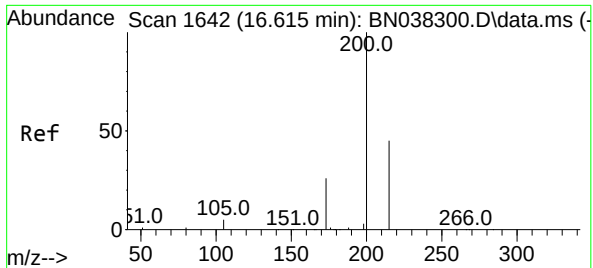


#22
Hexachlorobenzene
Concen: 0.343 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52



Tgt Ion:284 Resp: 4092
Ion Ratio Lower Upper
284 100
142 37.5 29.5 44.3
249 29.7 23.7 35.5





#23

Atrazine

Concen: 0.332 ng

RT: 16.615 min Scan# 1642

Delta R.T. 0.000 min

Lab File: BN038327.D

Acq: 11 Dec 2025 20:52

Instrument :

BNA_N

ClientSampleId :

PB170850BS

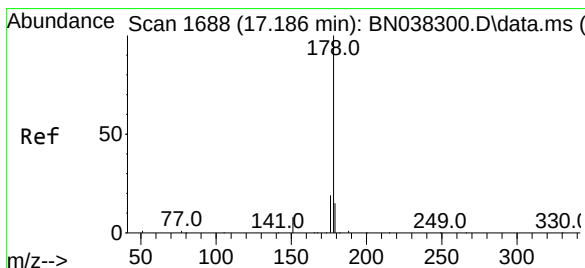
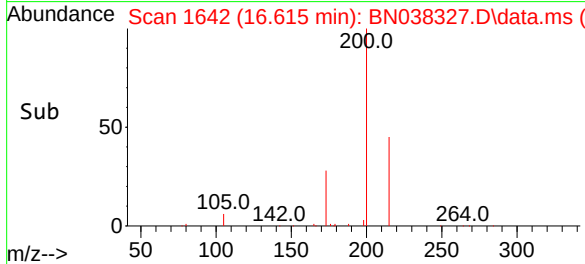
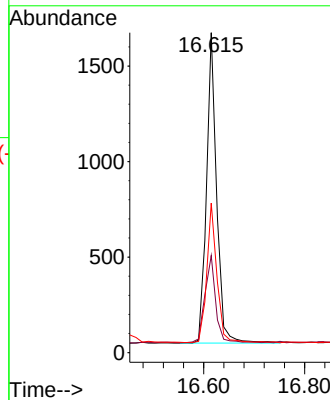
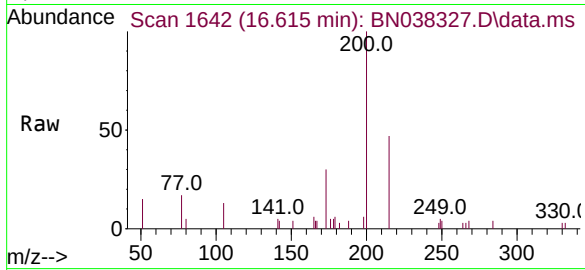
Tgt Ion:	200	Resp:	225
Ion Ratio	Lower	Upper	
200	100		
173	30.3	22.1	33.1
215	46.7	37.4	56.2

Manual Integrations

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Reviewed By :Rahul Chavli 12/12/2025

Supervised By :Jagrut Upadhyay 12/12/2025



#25

Phenanthrene

Concen: 0.353 ng

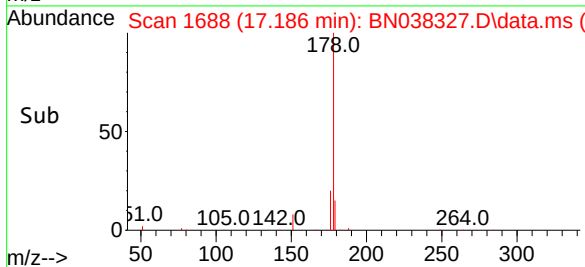
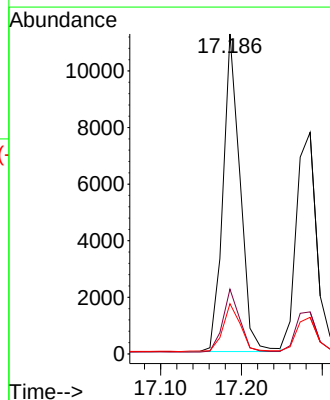
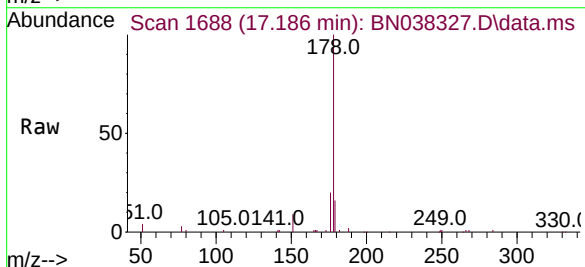
RT: 17.186 min Scan# 1688

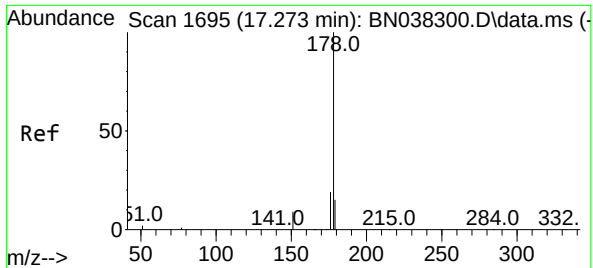
Delta R.T. 0.000 min

Lab File: BN038327.D

Acq: 11 Dec 2025 20:52

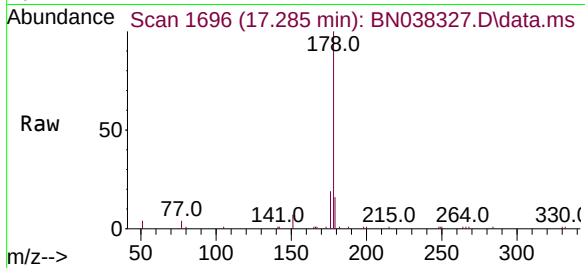
Tgt Ion:	178	Resp:	16441
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.5	23.3
179	15.7	12.2	18.2





#26
Anthracene
Concen: 0.351 ng
RT: 17.285 min Scan# 1695
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

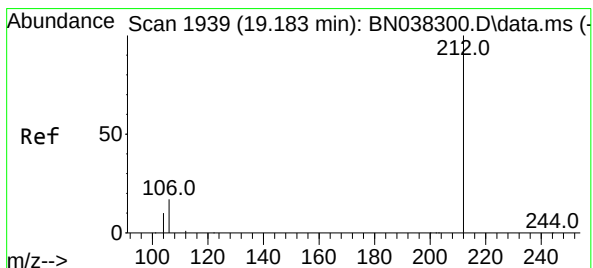
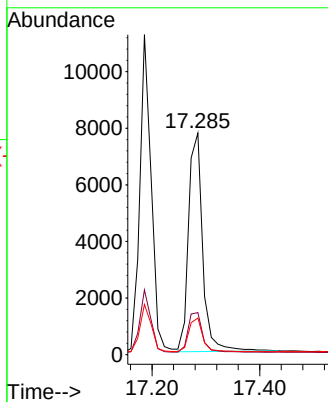
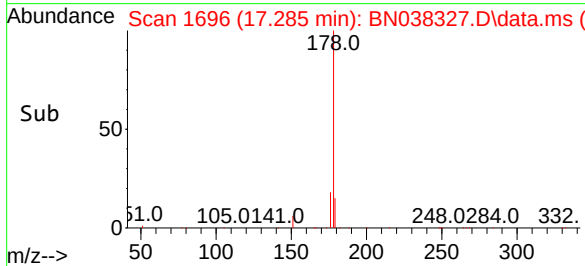
Instrument :
BNA_N
ClientSampleId :
PB170850BS



Tgt Ion:178 Resp: 14080
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.6 12.0 18.0

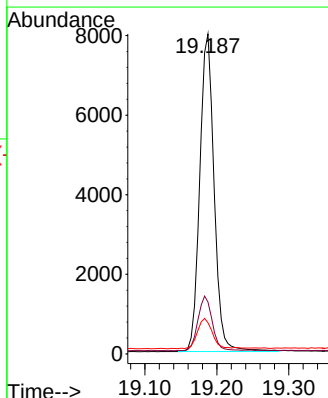
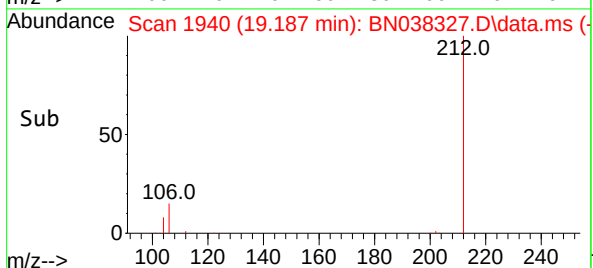
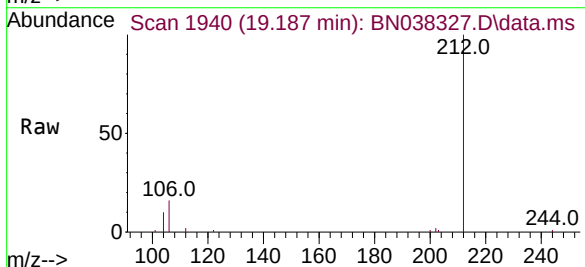
Manual Integrations
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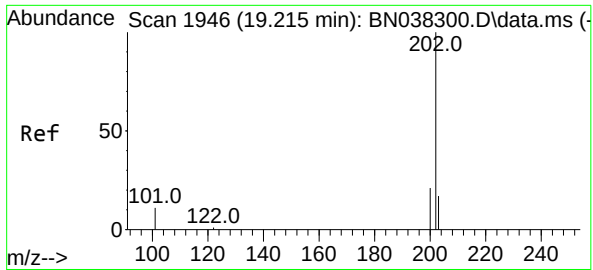
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#27
Fluoranthene-d10
Concen: 0.335 ng
RT: 19.187 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

Tgt Ion:212 Resp: 11096
Ion Ratio Lower Upper
212 100
106 17.0 13.7 20.5
104 9.7 7.8 11.8





#28

Fluoranthene

Concen: 0.318 ng

RT: 19.215 min Scan# 1946

Delta R.T. -0.005 min

Lab File: BN038327.D

Acq: 11 Dec 2025 20:52

Instrument :

BNA_N

ClientSampleId :

PB170850BS

Tgt Ion:202 Resp: 15743

Ion Ratio Lower Upper

202 100

101 12.1 9.6 14.4

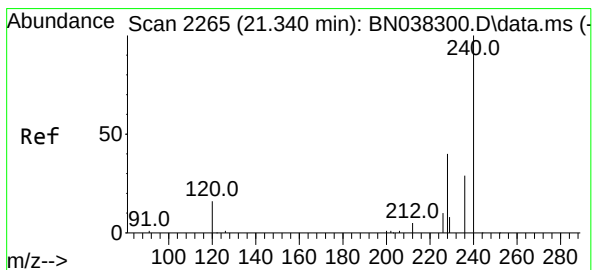
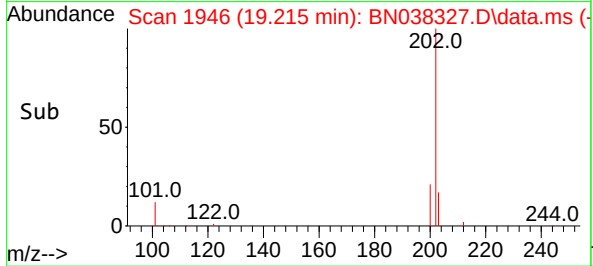
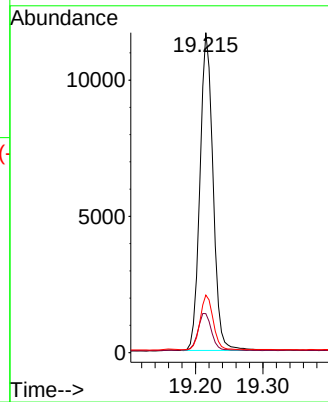
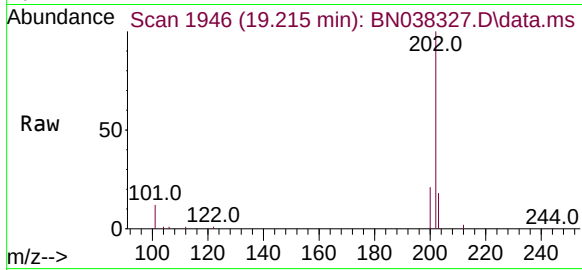
203 17.0 13.5 20.3

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Reviewed By :Rahul Chavli 12/12/2025

Supervised By :Jagrut Upadhyay 12/12/2025



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BN038327.D

Acq: 11 Dec 2025 20:52

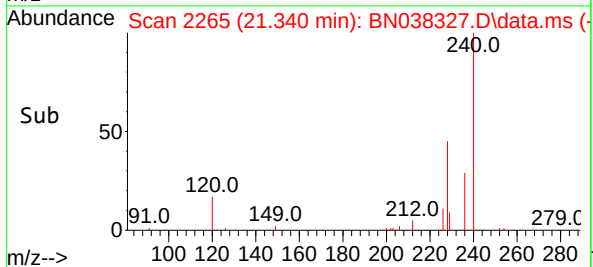
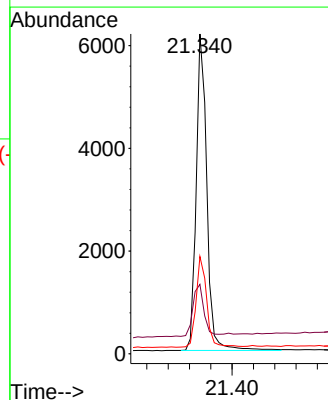
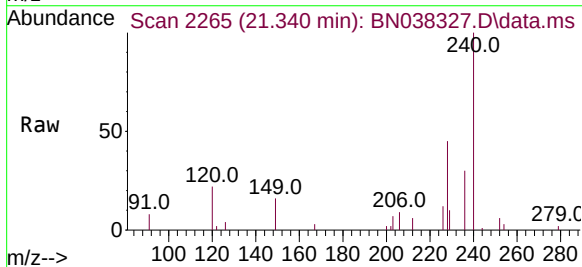
Tgt Ion:240 Resp: 8501

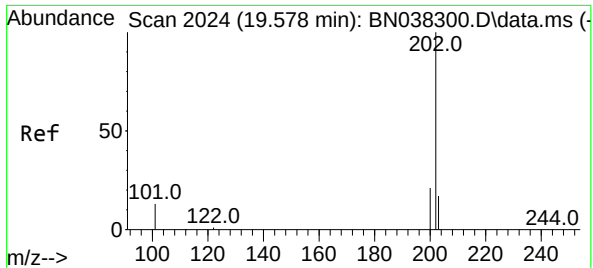
Ion Ratio Lower Upper

240 100

120 21.7 15.4 23.2

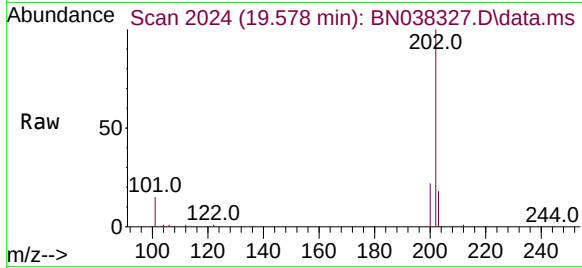
236 30.4 23.9 35.9





#30
Pyrene
Concen: 0.383 ng
RT: 19.578 min Scan# 2024
Delta R.T. -0.005 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

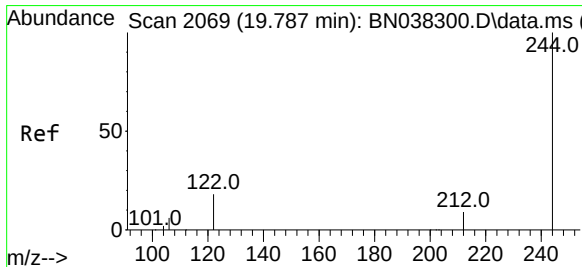
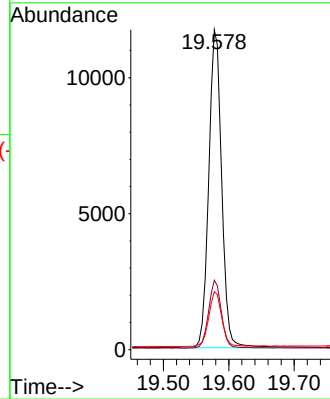
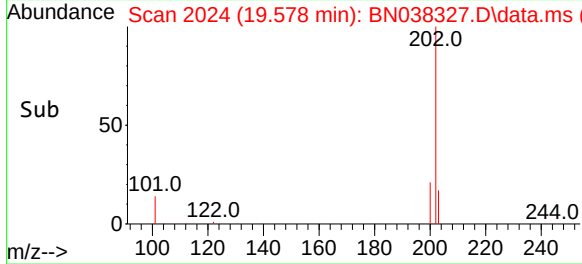
Instrument :
BNA_N
ClientSampleId :
PB170850BS



Tgt Ion:202 Resp: 16009
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.4 14.2 21.2

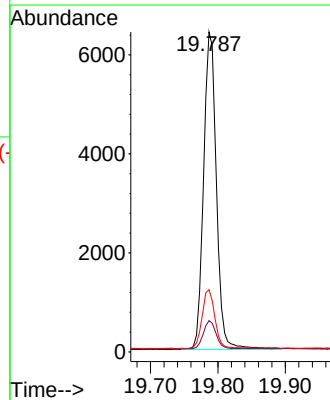
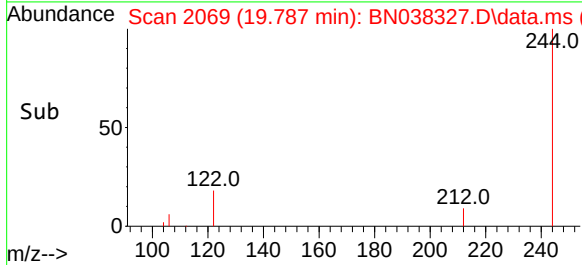
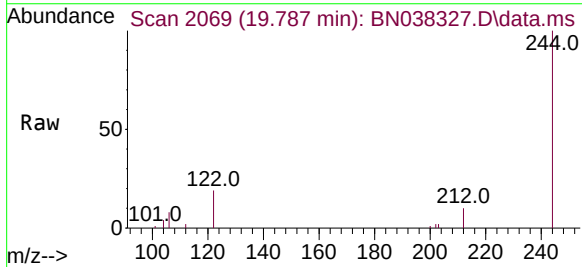
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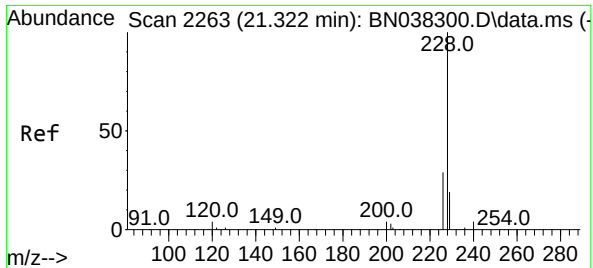
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#31
Terphenyl-d14
Concen: 0.447 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

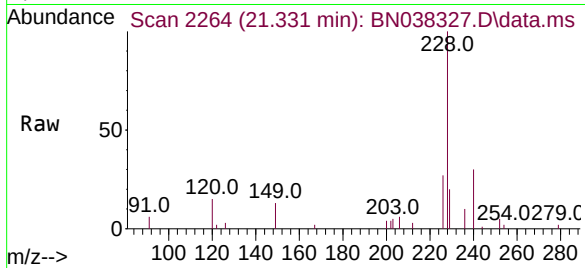
Tgt Ion:244 Resp: 8478
Ion Ratio Lower Upper
244 100
212 9.8 7.9 11.9
122 19.4 15.0 22.6





#32
Benzo(a)anthracene
Concen: 0.352 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

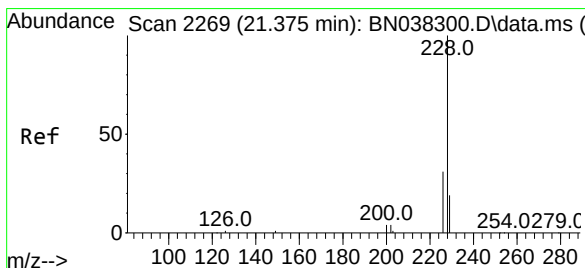
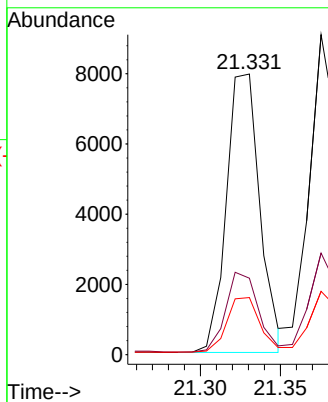
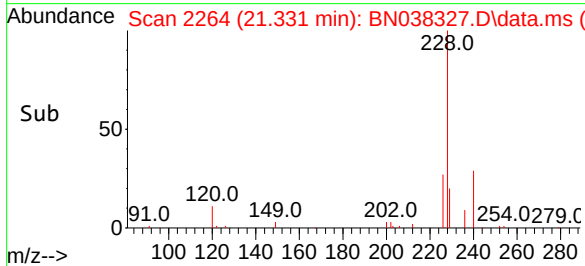
Instrument :
BNA_N
ClientSampleId :
PB170850BS



Tgt Ion:228 Resp: 11570
Ion Ratio Lower Upper
228 100
226 27.3 23.3 34.9
229 20.4 15.7 23.5

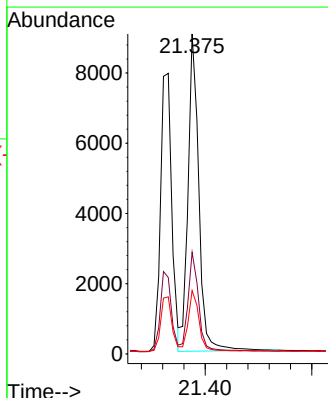
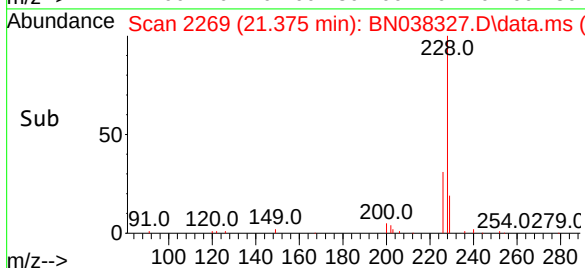
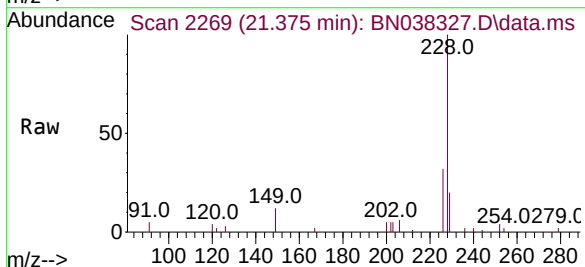
Manual Integrations
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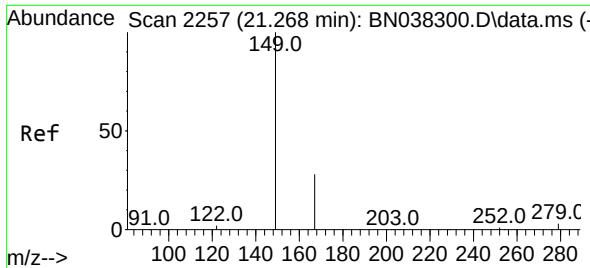
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#33
Chrysene
Concen: 0.350 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

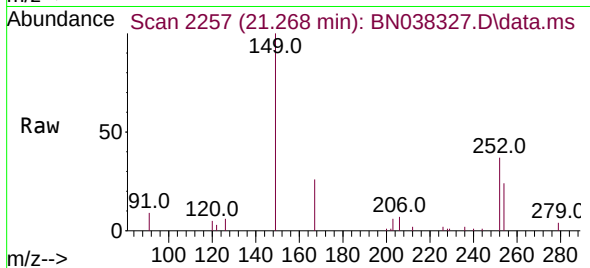
Tgt Ion:228 Resp: 12660
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.4
229 19.8 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.340 ng
RT: 21.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52

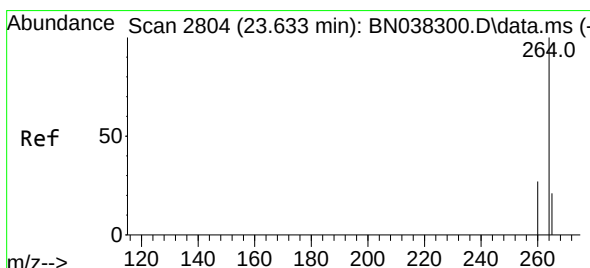
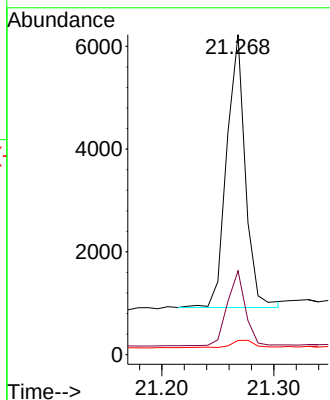
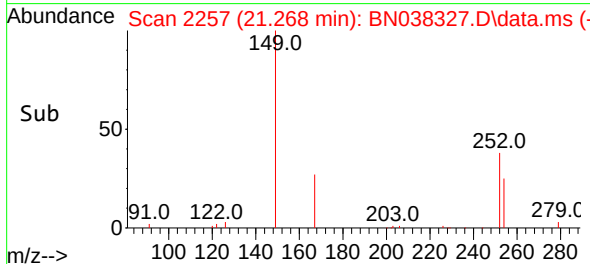
Instrument :
BNA_N
ClientSampleId :
PB170850BS



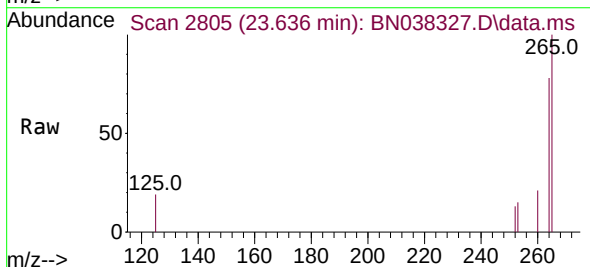
Tgt Ion:149 Resp: 613
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 3.5 2.4 3.6

Manual Integrations
APPROVED

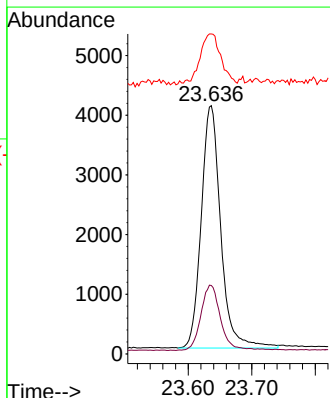
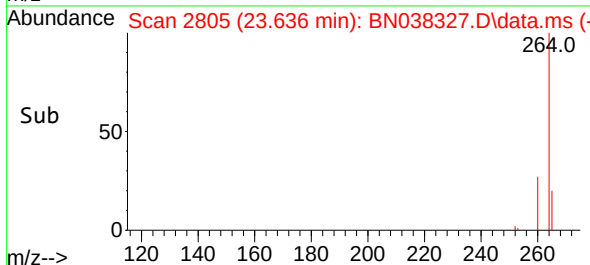
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025

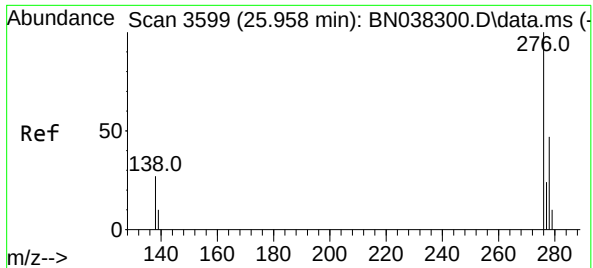


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.636 min Scan# 2805
Delta R.T. 0.003 min
Lab File: BN038327.D
Acq: 11 Dec 2025 20:52



Tgt Ion:264 Resp: 8673
Ion Ratio Lower Upper
264 100
260 27.5 22.2 33.2
265 128.9 80.2 120.2#





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.380 ng

RT: 25.963 min Scan# 3601

Delta R.T. 0.000 min

Lab File: BN038327.D

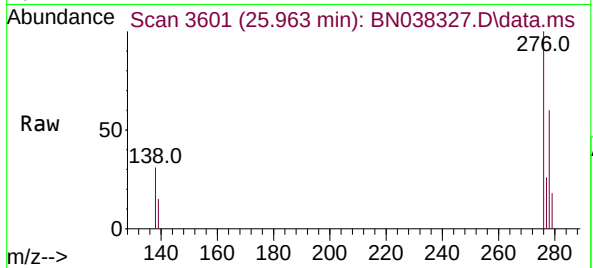
Acq: 11 Dec 2025 20:52

Instrument :

BNA_N

ClientSampleId :

PB170850BS



Tgt Ion:276 Resp: 1748

Ion Ratio Lower Upper

276 100

138 29.7 23.6 35.4

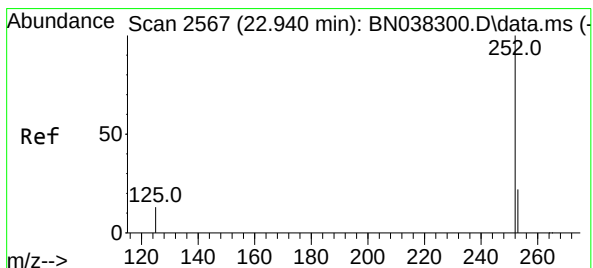
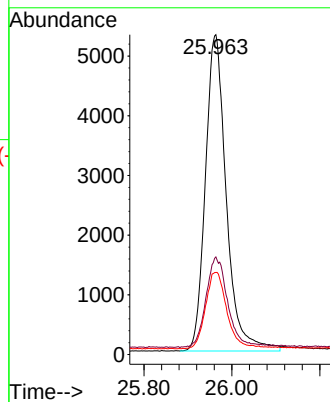
277 24.5 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/12/2025

Supervised By :Jagrut Upadhyay 12/12/2025



#37

Benzo(b)fluoranthene

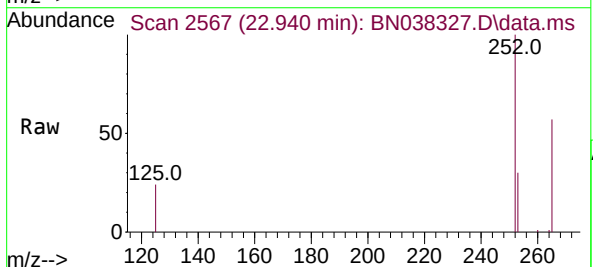
Concen: 0.317 ng

RT: 22.940 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BN038327.D

Acq: 11 Dec 2025 20:52



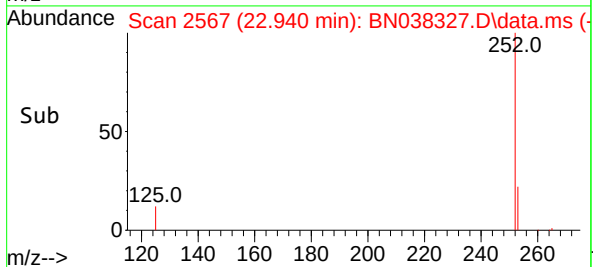
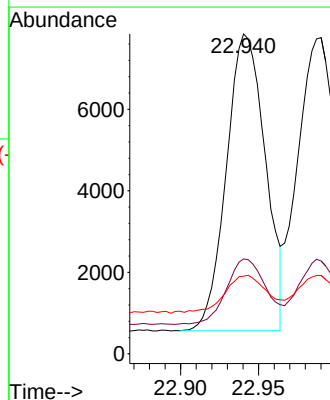
Tgt Ion:252 Resp: 12646

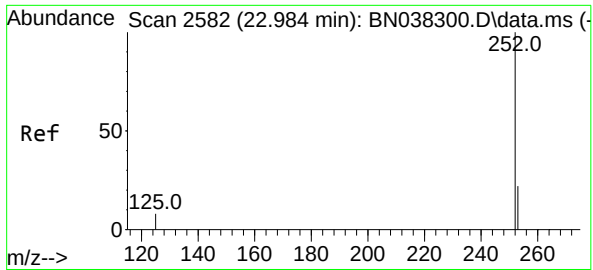
Ion Ratio Lower Upper

252 100

253 29.7 21.1 31.7

125 24.3 16.4 24.6





#38

Benzo(k)fluoranthene

Concen: 0.321 ng

RT: 22.990 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038327.D

Acq: 11 Dec 2025 20:52

Instrument :

BNA_N

ClientSampleId :

PB170850BS

Tgt Ion:252 Resp: 1276

Ion Ratio Lower Upper

252 100

253 29.4 21.4 32.0

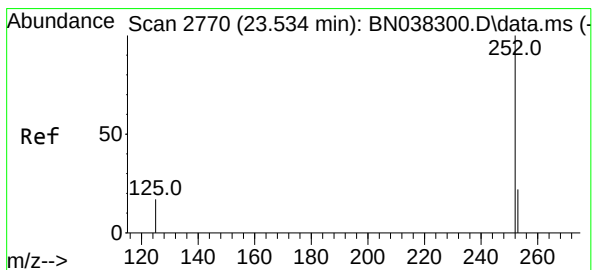
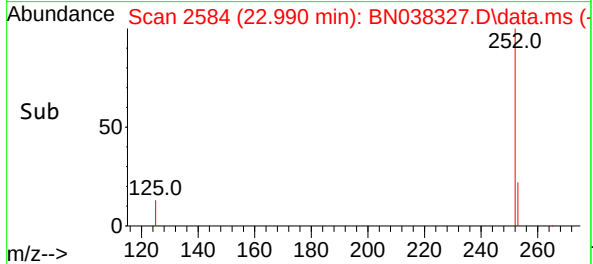
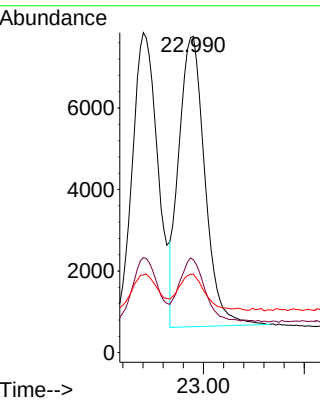
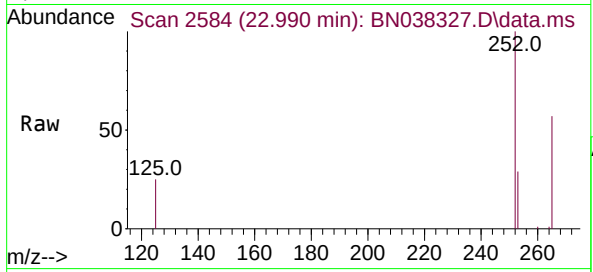
125 24.8 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/12/2025

Supervised By :Jagrut Upadhyay 12/12/2025



#39

Benzo(a)pyrene

Concen: 0.357 ng

RT: 23.531 min Scan# 2769

Delta R.T. -0.003 min

Lab File: BN038327.D

Acq: 11 Dec 2025 20:52

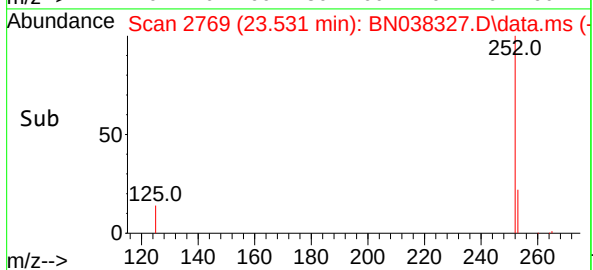
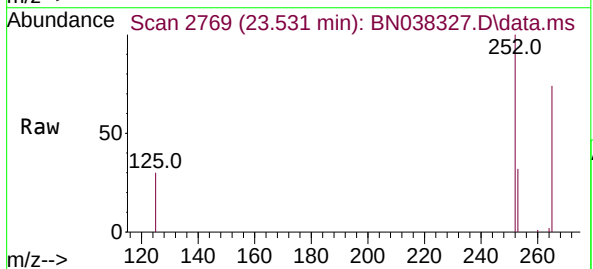
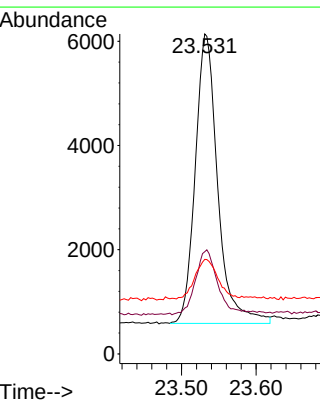
Tgt Ion:252 Resp: 11625

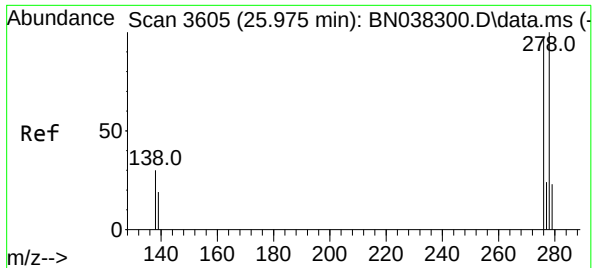
Ion Ratio Lower Upper

252 100

253 31.9 23.3 34.9

125 29.5 22.4 33.6





#40

Dibenzo(a,h)anthracene

Concen: 0.379 ng

RT: 25.978 min Scan# 3605

Delta R.T. -0.003 min

Lab File: BN038327.D

Acq: 11 Dec 2025 20:52

Instrument :

BNA_N

ClientSampleId :

PB170850BS

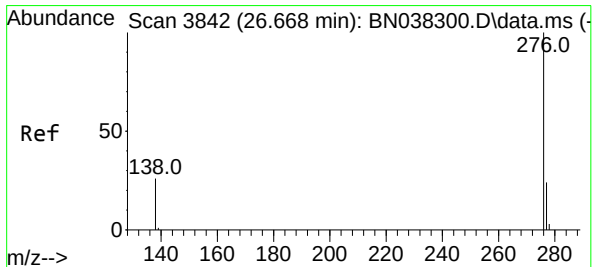
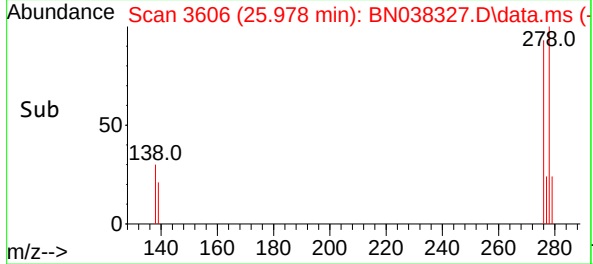
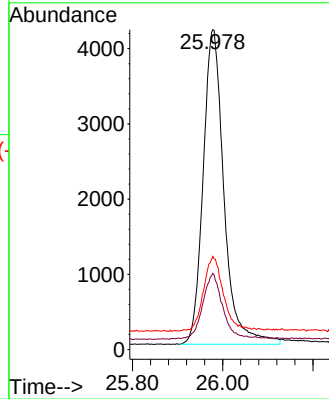
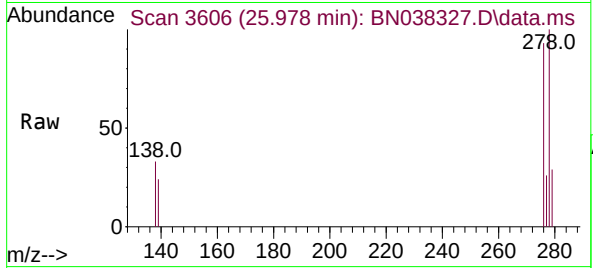
Tgt Ion:	278	Resp:	13434
Ion Ratio	Lower	Upper	
278	100		
139	23.8	17.8	26.8
279	29.1	21.3	31.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/12/2025

Supervised By :Jagrut Upadhyay 12/12/2025



#41

Benzo(g,h,i)perylene

Concen: 0.384 ng

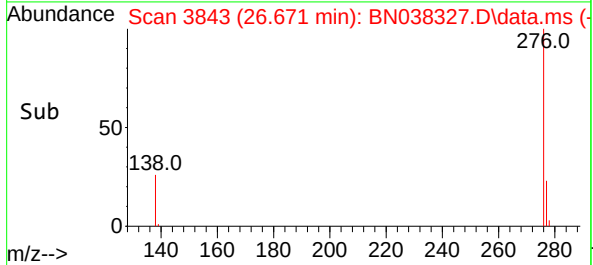
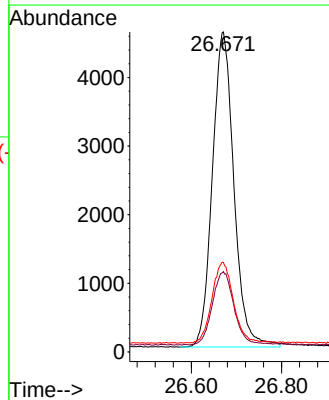
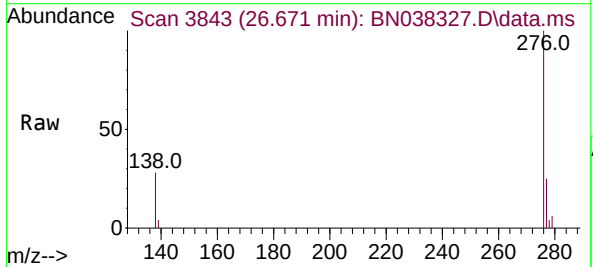
RT: 26.671 min Scan# 3843

Delta R.T. -0.006 min

Lab File: BN038327.D

Acq: 11 Dec 2025 20:52

Tgt Ion:	276	Resp:	15211
Ion Ratio	Lower	Upper	
276	100		
277	25.1	20.0	30.0
138	28.0	21.8	32.6





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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/05/25
Client Sample ID:	OWBR-05-135-120525MS	SDG No.:	Q3788
Lab Sample ID:	Q3788-02MS	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	970 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	31.0	E	1	0.070	0.21	ug/L	12/12/25 03:01	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.29			30 (47) - 150 (106)	72%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.37			30 (54) - 150 (157)	93%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.33			30 (56) - 130 (116)	81%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.32			30 (50) - 130 (126)	79%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.40			30 (54) - 130 (175)	101%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5360							
1146-65-2	Naphthalene-d8	14200							
15067-26-2	Acenaphthene-d10	7200							
1517-22-2	Phenanthrene-d10	12500							
1719-03-5	Chrysene-d12	10000							
1520-96-3	Perylene-d12	10300							

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\BN121125\
 Data File : BN038335.D
 Acq On : 12 Dec 2025 03:01
 Operator : RC/JU
 Sample : Q3788-02MS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OWBR-05-135-120525MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
 Supervised By :Jagrut Upadhyay 12/12/2025

Quant Time: Dec 12 04:17:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5363	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	14242	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	7200	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	12520	0.400	ng	0.00
29) Chrysene-d12	21.340	240	10004	0.400	ng	0.00
35) Perylene-d12	23.630	264	10310	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1827	0.137	ng	0.00
5) Phenol-d6	6.887	99	1365	0.086	ng	0.00
8) Nitrobenzene-d5	8.875	82	3902	0.325	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	5755m	0.286	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1075	0.337	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	10973	0.316	ng	0.00
27) Fluoranthene-d10	19.183	212	11511	0.372	ng	0.00
31) Terphenyl-d14	19.787	244	8998	0.403	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.189	88	185065	30.095	ng	99
3) n-Nitrosodimethylamine	3.507	42	1296	0.168	ng	# 93
6) bis(2-Chloroethyl)ether	7.139	93	4819	0.310	ng	99
9) Naphthalene	10.573	128	12510	0.297	ng	99
10) Hexachlorobutadiene	10.872	225	1674	0.224	ng	# 99
12) 2-Methylnaphthalene	12.197	142	7272	0.272	ng	99
16) Acenaphthylene	14.110	152	11857	0.335	ng	99
17) Acenaphthene	14.452	154	7266	0.295	ng	98
18) Fluorene	15.446	166	10092	0.318	ng	100
20) 4,6-Dinitro-2-methylph...	15.523	198	249	0.121	ng	# 1
21) 4-Bromophenyl-phenylether	16.342	248	3023	0.325	ng	99
22) Hexachlorobenzene	16.453	284	3353	0.300	ng	100
23) Atrazine	16.615	200	2415	0.381	ng	98
24) Pentachlorophenol	16.801	266	952	0.218	ng	97
25) Phenanthrene	17.186	178	15088	0.346	ng	99
26) Anthracene	17.273	178	13455	0.358	ng	99
28) Fluoranthene	19.215	202	16027	0.346	ng	98
30) Pyrene	19.578	202	16438	0.334	ng	100
32) Benzo(a)anthracene	21.322	228	14202	0.367	ng	100
33) Chrysene	21.375	228	15360	0.361	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	8030	0.379	ng	100
36) Indeno(1,2,3-cd)pyrene	25.955	276	19101	0.349	ng	99
37) Benzo(b)fluoranthene	22.937	252	15794	0.334	ng	96
38) Benzo(k)fluoranthene	22.984	252	16324	0.346	ng	97
39) Benzo(a)pyrene	23.528	252	14075	0.363	ng	97
40) Dibenzo(a,h)anthracene	25.975	278	15029	0.356	ng	98
41) Benzo(g,h,i)perylene	26.665	276	16492	0.350	ng	99

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

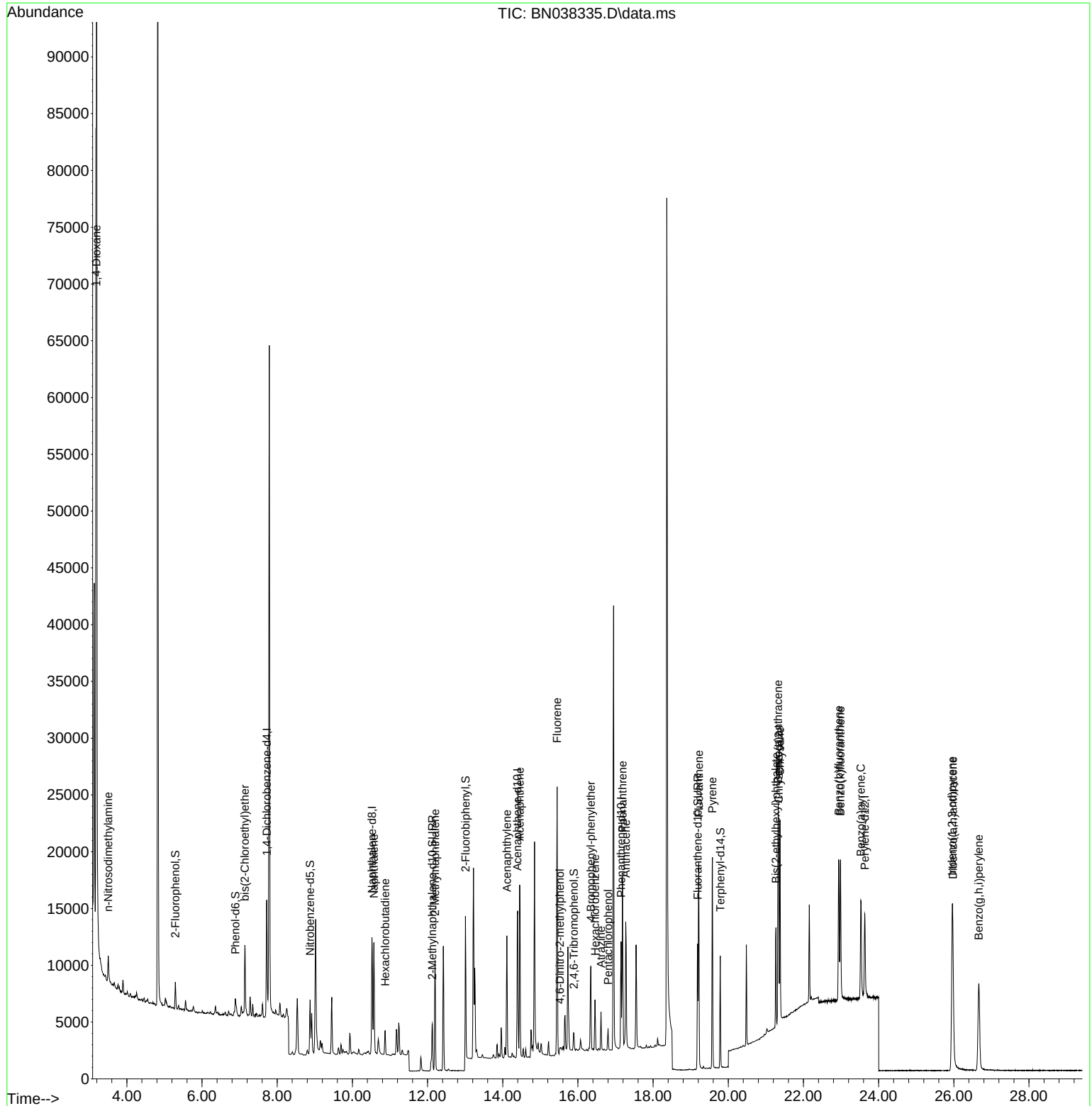
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038335.D
Acq On : 12 Dec 2025 03:01
Operator : RC/JU
Sample : Q3788-02MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

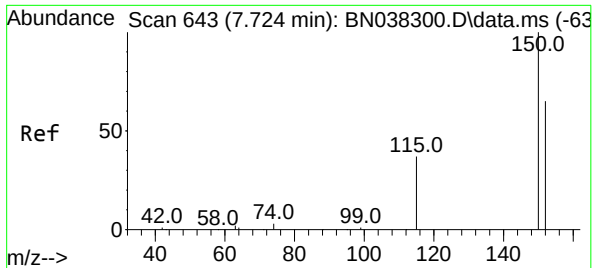
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS

Quant Time: Dec 12 04:17:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

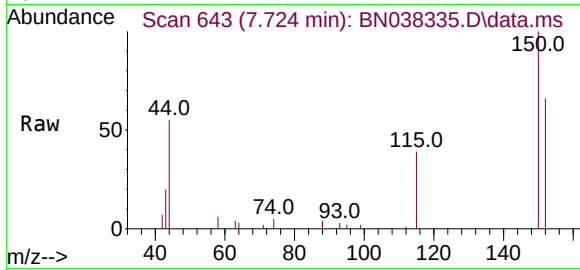
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

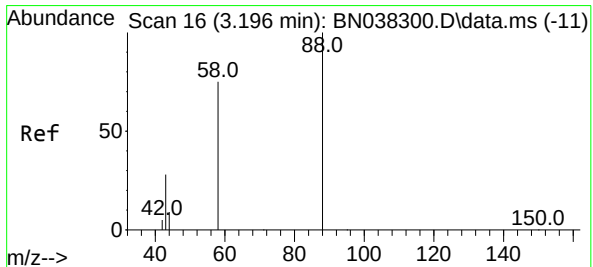
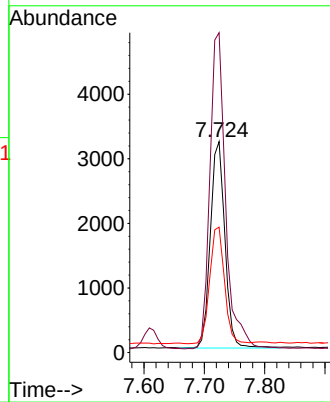
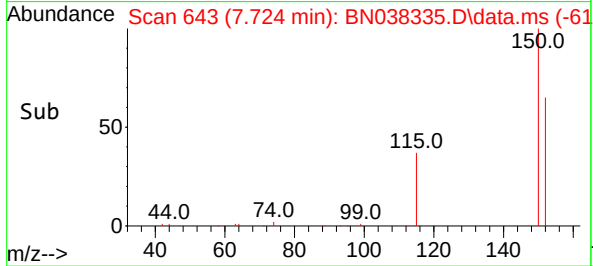
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



Tgt Ion:152 Resp: 536
Ion Ratio Lower Upper
152 100
150 151.6 122.4 183.6
115 59.5 47.3 70.9

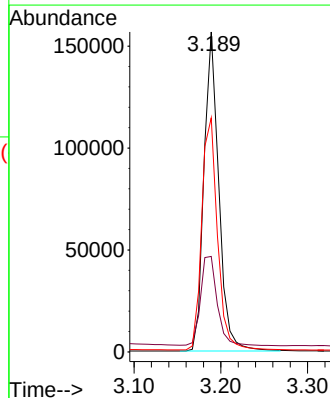
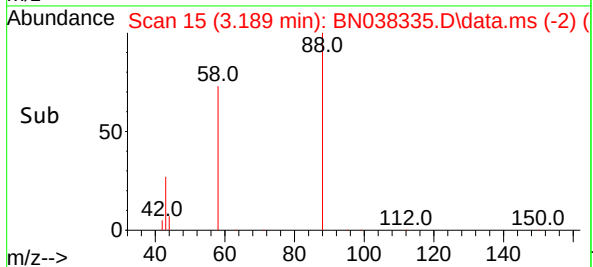
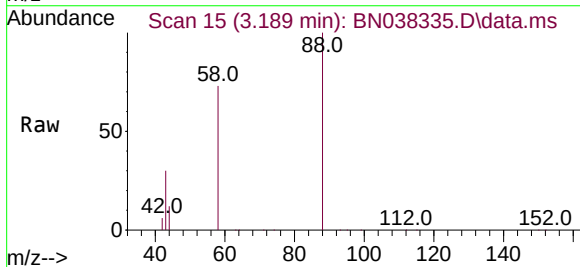
Manual Integrations
APPROVED

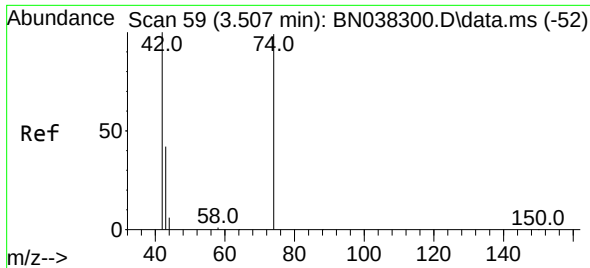
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#2
1,4-Dioxane
Concen: 30.095 ng
RT: 3.189 min Scan# 15
Delta R.T. -0.007 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

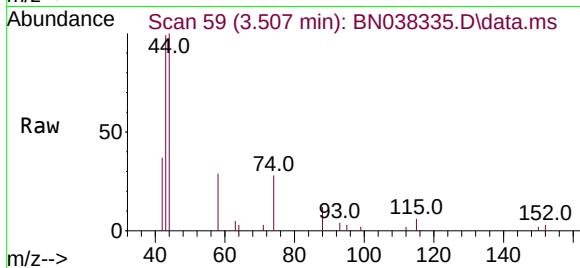
Tgt Ion: 88 Resp: 185065
Ion Ratio Lower Upper
88 100
43 31.5 24.9 37.3
58 77.2 61.4 92.0





#3
n-Nitrosodimethylamine
Concen: 0.168 ng
RT: 3.507 min Scan# 59
Delta R.T. 0.007 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

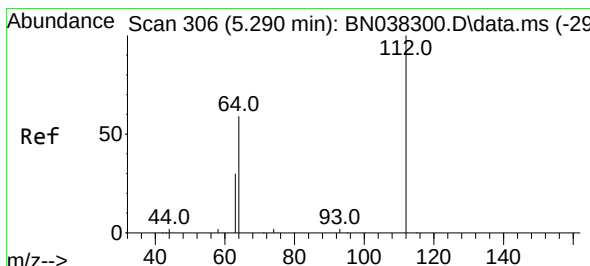
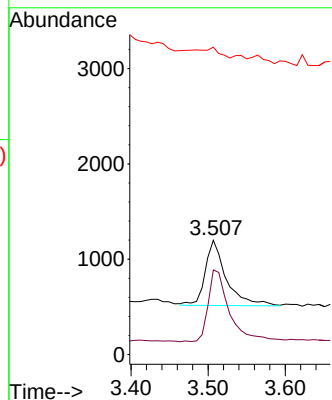
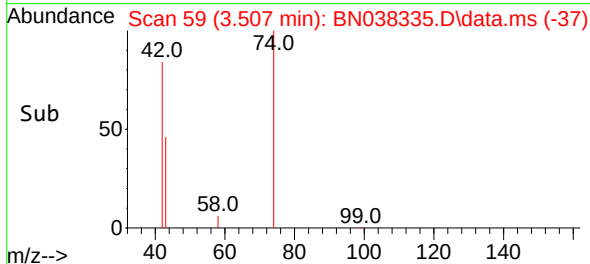
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



Tgt Ion: 42 Resp: 1296
Ion Ratio Lower Upper
42 100
74 112.7 95.3 142.9
44 0.0 7.9 11.9

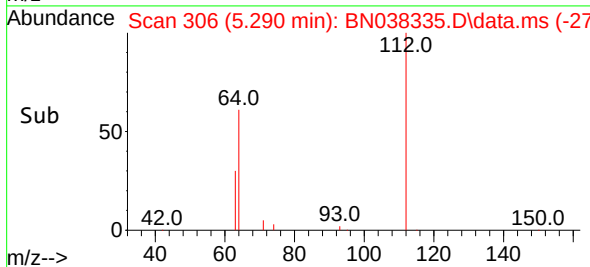
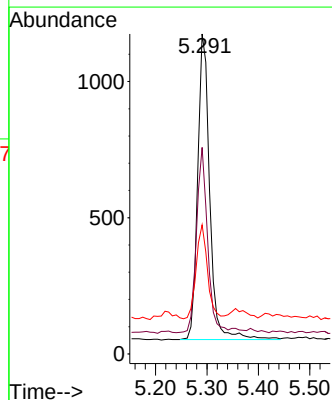
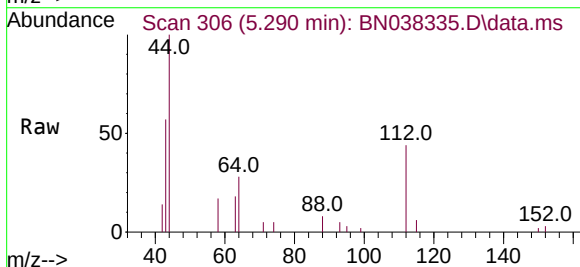
Manual Integrations
APPROVED

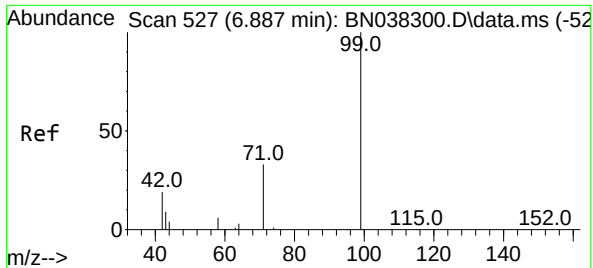
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#4
2-Fluorophenol
Concen: 0.137 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

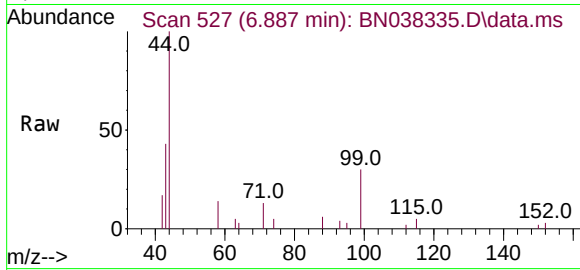
Tgt Ion:112 Resp: 1827
Ion Ratio Lower Upper
112 100
64 55.8 44.4 66.6
63 29.0 23.4 35.0





#5
Phenol-d6
Concen: 0.086 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

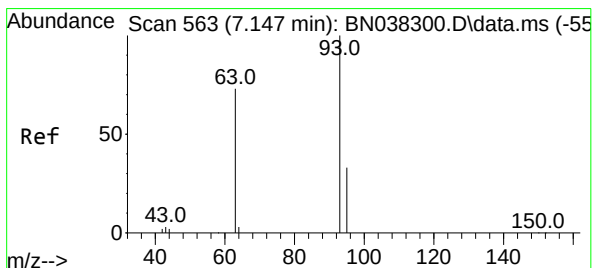
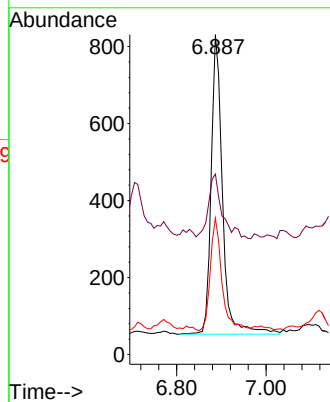
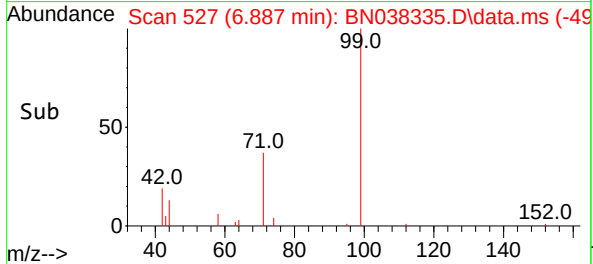
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



Tgt Ion: 99 Resp: 1365
Ion Ratio Lower Upper
99 100
42 26.4 16.5 24.7
71 38.5 24.9 37.3

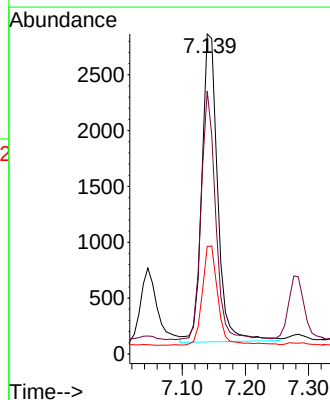
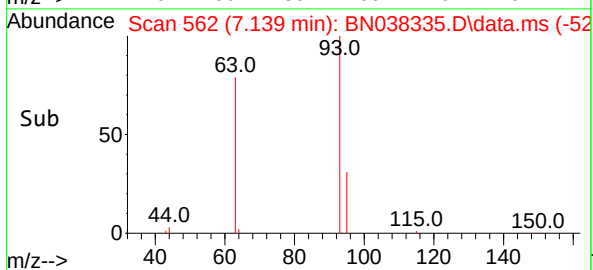
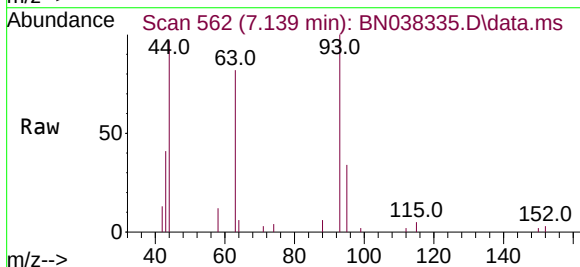
Manual Integrations
APPROVED

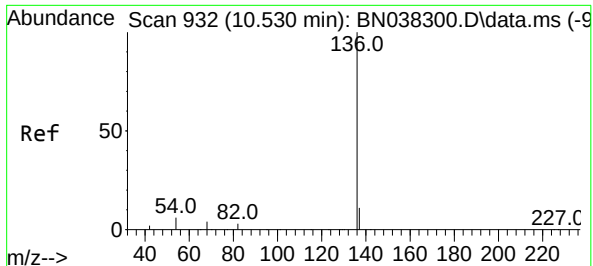
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.310 ng
RT: 7.139 min Scan# 562
Delta R.T. -0.007 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

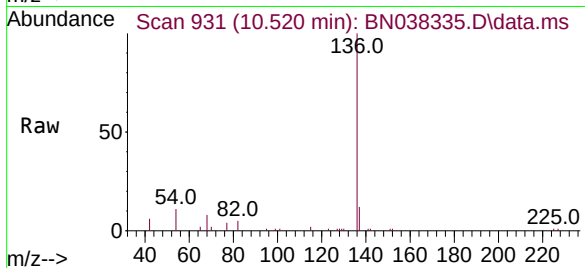
Tgt Ion: 93 Resp: 4819
Ion Ratio Lower Upper
93 100
63 74.2 59.2 88.8
95 32.5 25.2 37.8





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

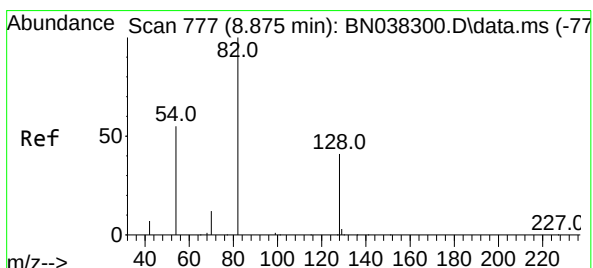
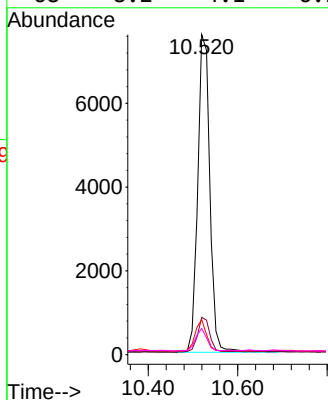
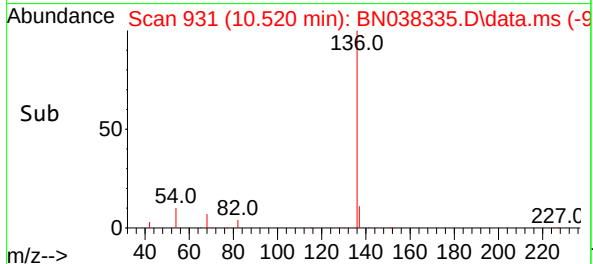
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



Tgt Ion: 136 Resp: 1424
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 10.9 5.2 7.8
68 8.2 4.1 6.1

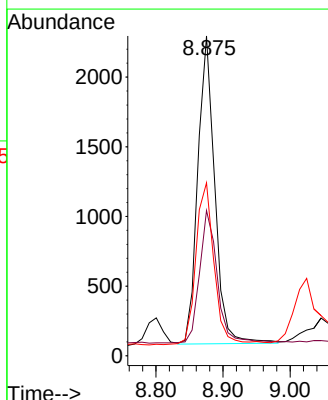
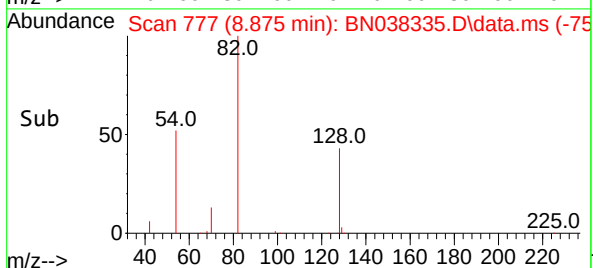
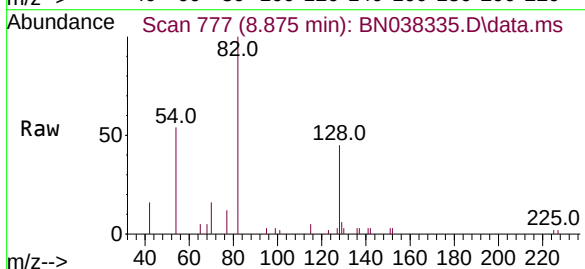
Manual Integrations
APPROVED

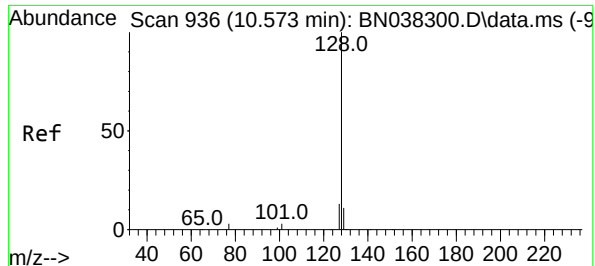
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#8
Nitrobenzene-d5
Concen: 0.325 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

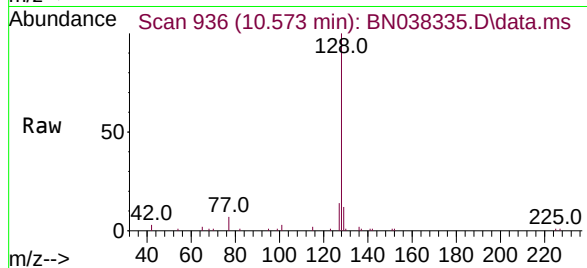
Tgt Ion: 82 Resp: 3902
Ion Ratio Lower Upper
82 100
128 45.4 34.0 51.0
54 54.1 44.4 66.6





#9
Naphthalene
Concen: 0.297 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

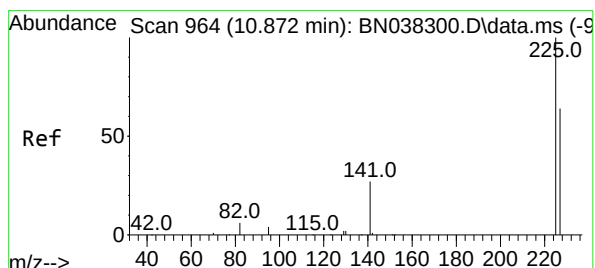
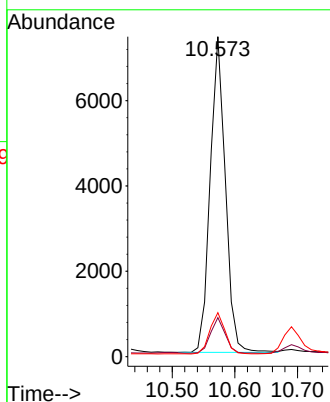
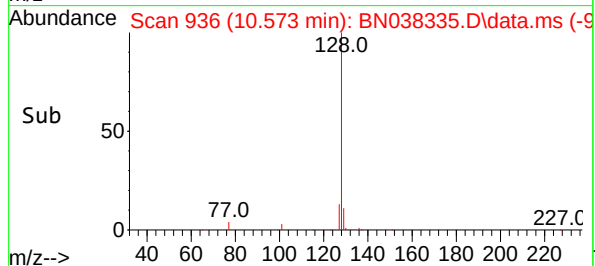
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



Tgt Ion:128 Resp: 12510
Ion Ratio Lower Upper
128 100
129 12.2 9.1 13.7
127 13.7 10.9 16.3

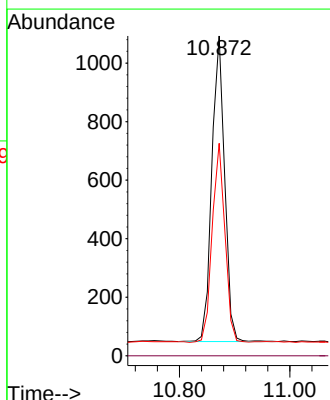
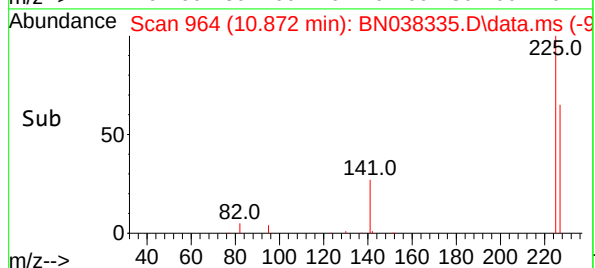
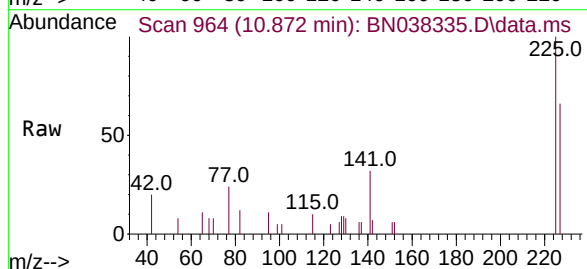
Manual Integrations
APPROVED

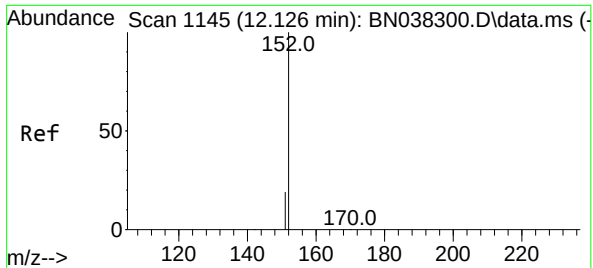
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#10
Hexachlorobutadiene
Concen: 0.224 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

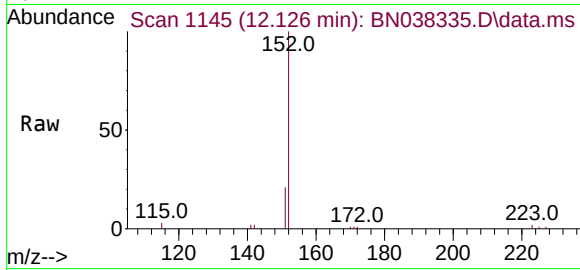
Tgt Ion:225 Resp: 1674
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 65.0 51.2 76.8





#11
2-Methylnaphthalene-d10
Concen: 0.286 ng m
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

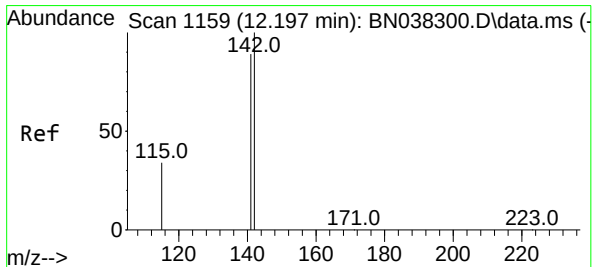
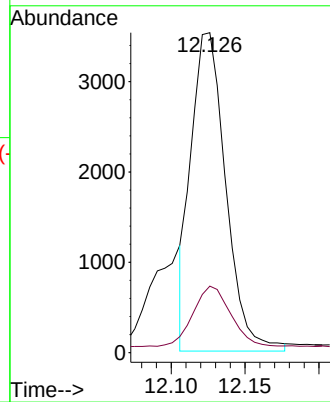
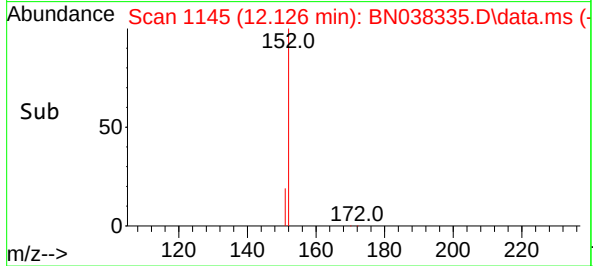
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



Tgt Ion:152 Resp: 5758
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6

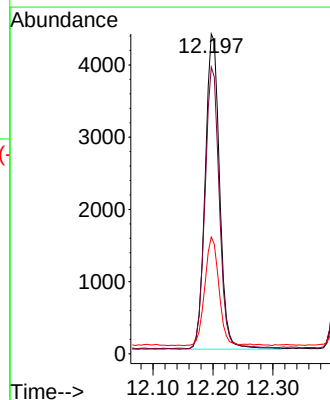
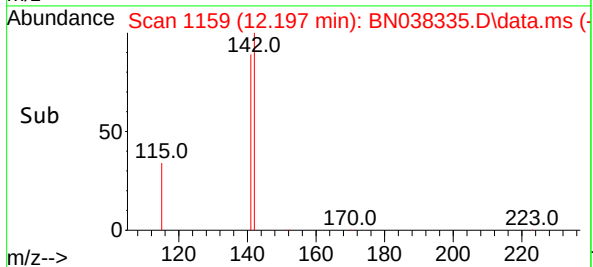
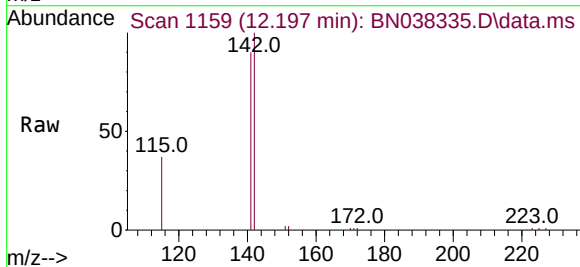
Manual Integrations
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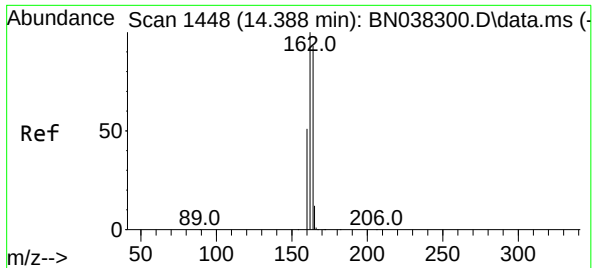
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#12
2-Methylnaphthalene
Concen: 0.272 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

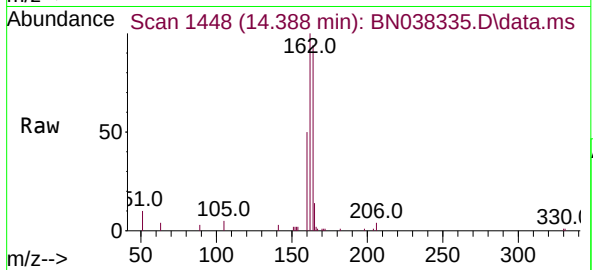
Tgt Ion:142 Resp: 7272
Ion Ratio Lower Upper
142 100
141 89.6 71.4 107.2
115 36.5 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

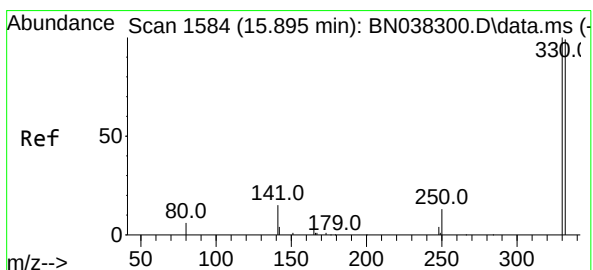
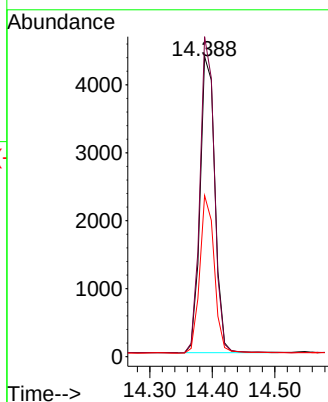
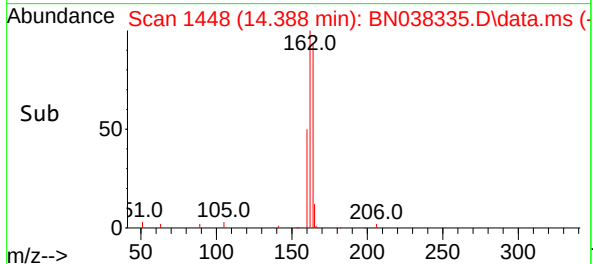
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



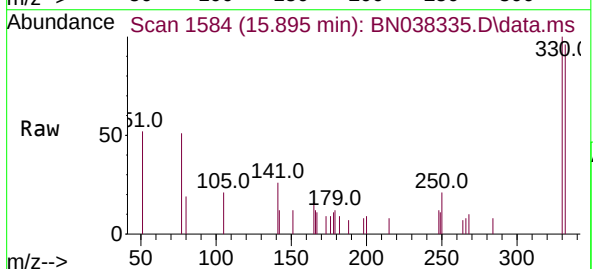
Tgt Ion:164 Resp: 7200
Ion Ratio Lower Upper
164 100
162 106.7 86.2 129.4
160 53.7 44.6 67.0

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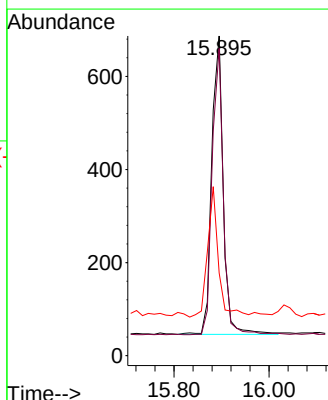
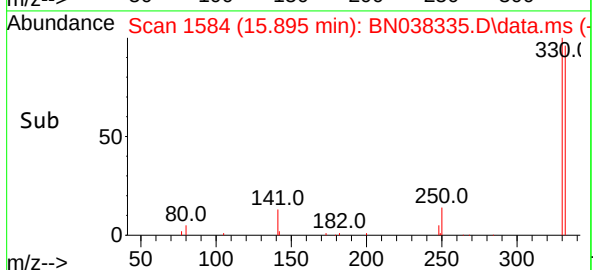
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025

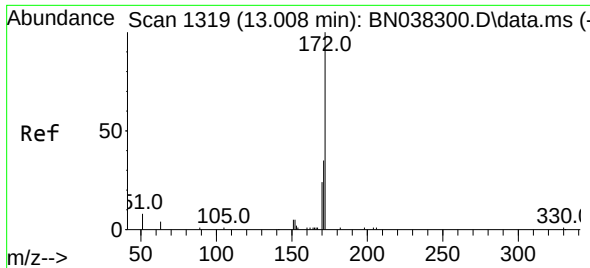


#14
2,4,6-Tribromophenol
Concen: 0.337 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01



Tgt Ion:330 Resp: 1075
Ion Ratio Lower Upper
330 100
332 93.5 75.8 113.6
141 40.8 31.8 47.8





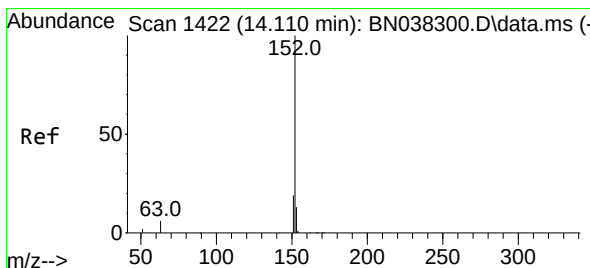
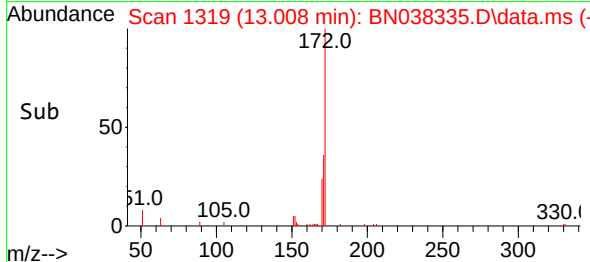
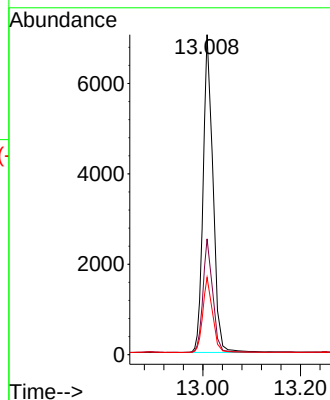
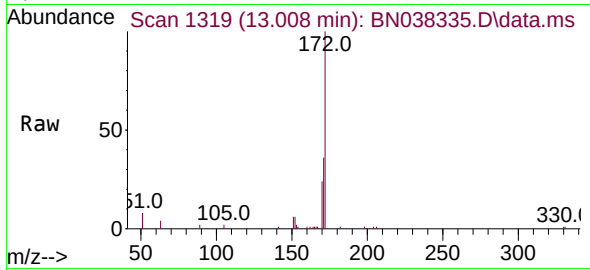
#15
2-Fluorobiphenyl
Concen: 0.316 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS

Tgt Ion:172 Resp: 10973
Ion Ratio Lower Upper
172 100
171 36.2 28.6 42.8
170 24.1 19.3 28.9

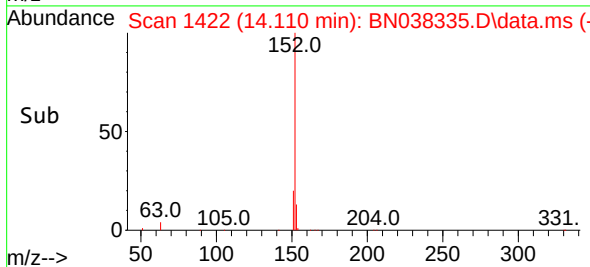
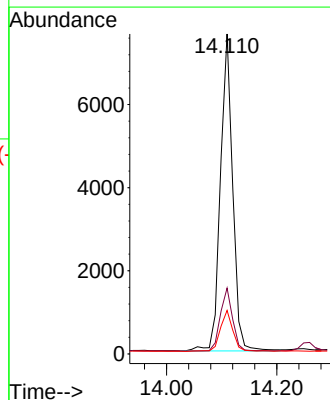
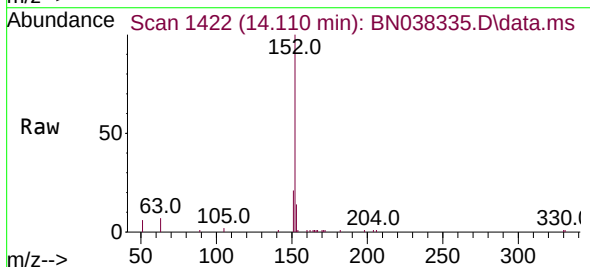
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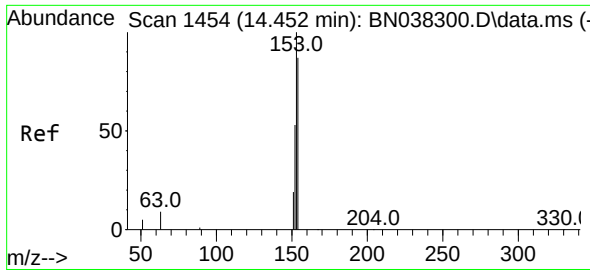
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#16
Acenaphthylene
Concen: 0.335 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

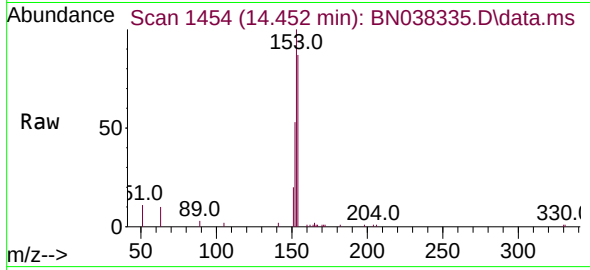
Tgt Ion:152 Resp: 11857
Ion Ratio Lower Upper
152 100
151 19.9 15.4 23.2
153 13.1 10.2 15.4





#17
Acenaphthene
Concen: 0.295 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

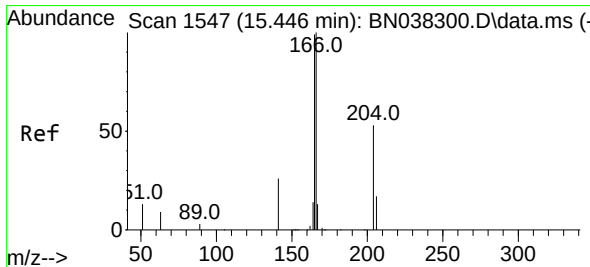
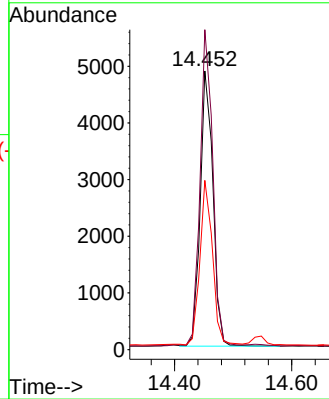
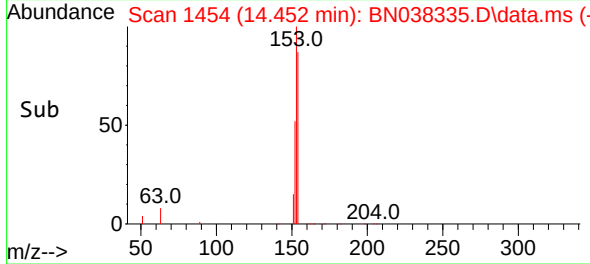
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



Tgt Ion:154 Resp: 7266
Ion Ratio Lower Upper
154 100
153 115.4 89.8 134.8
152 59.8 47.5 71.3

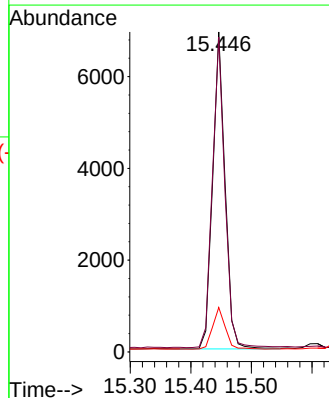
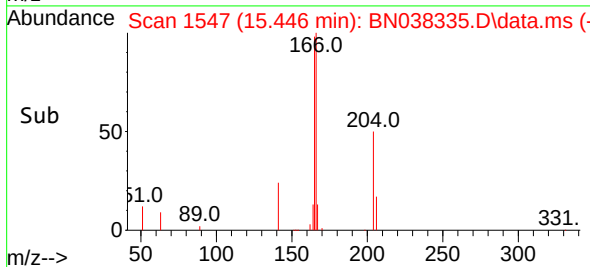
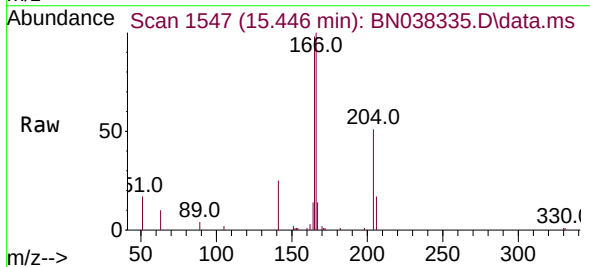
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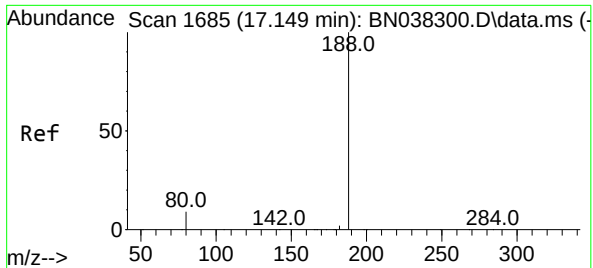
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#18
Fluorene
Concen: 0.318 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

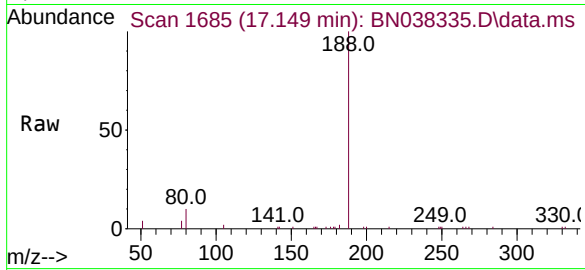
Tgt Ion:166 Resp: 10092
Ion Ratio Lower Upper
166 100
165 100.5 80.2 120.4
167 13.3 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

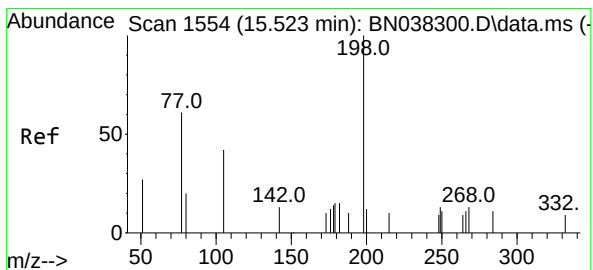
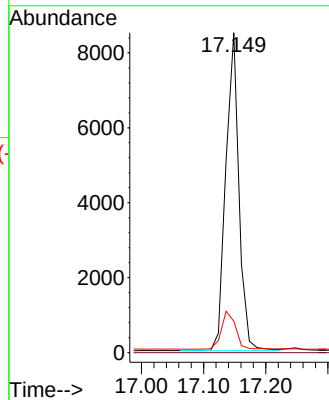
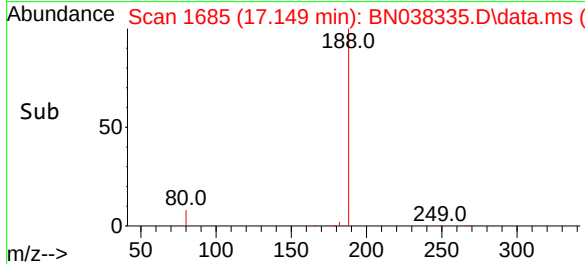
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



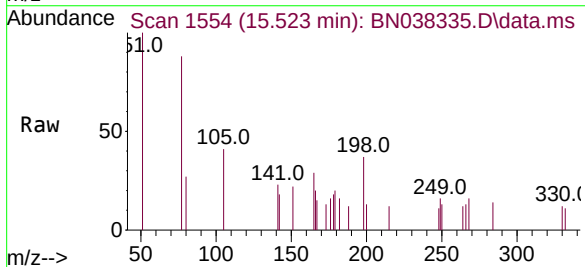
Tgt Ion:188 Resp: 12520
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.8 7.4 11.0

Manual Integrations
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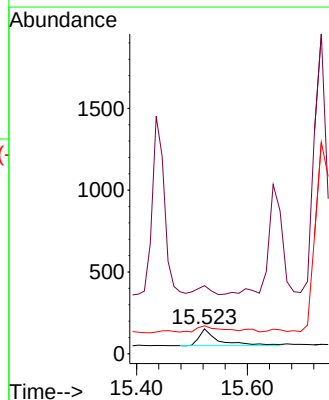
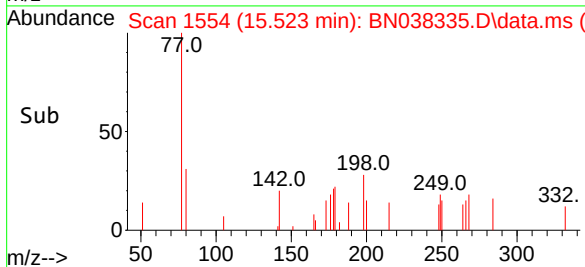
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025

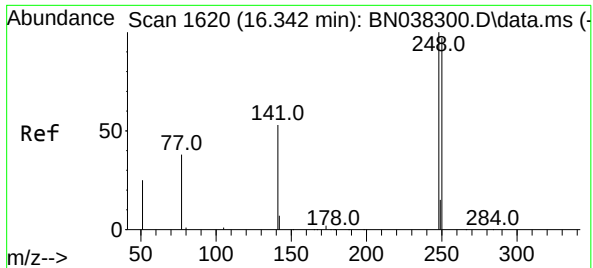


#20
4,6-Dinitro-2-methylphenol
Concen: 0.121 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.001 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01



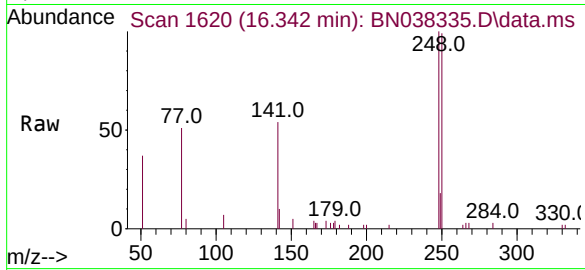
Tgt Ion:198 Resp: 249
Ion Ratio Lower Upper
198 100
51 272.5 86.3 129.5#
105 111.8 45.3 67.9#





#21
4-Bromophenyl-phenylether
Concen: 0.325 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

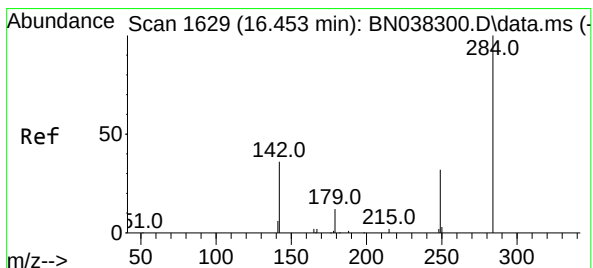
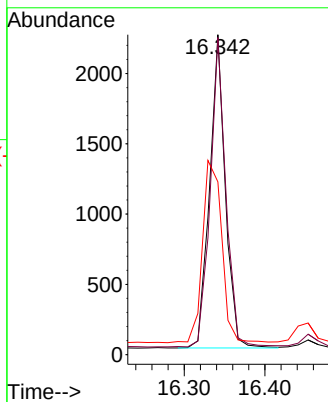
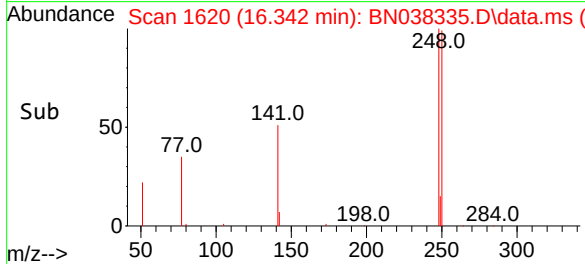
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



Tgt Ion:248 Resp: 3023
Ion Ratio Lower Upper
248 100
250 99.1 78.2 117.2
141 54.0 43.7 65.5

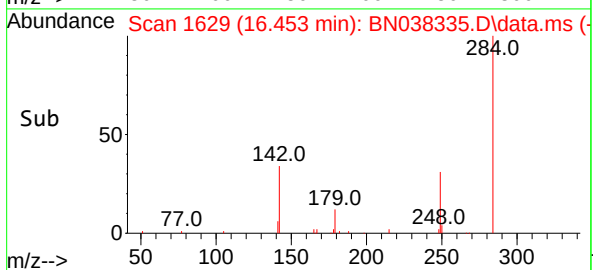
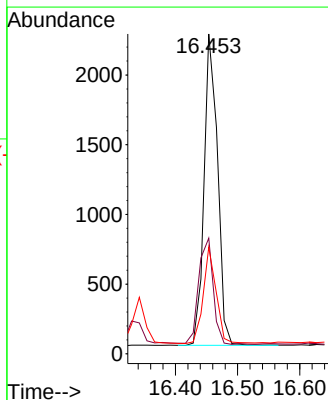
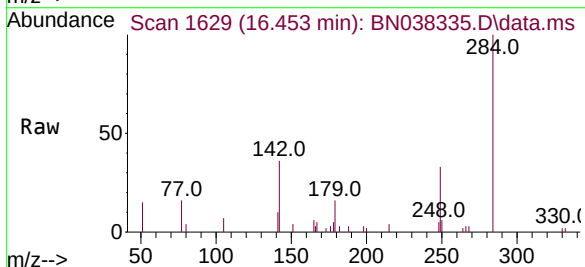
Manual Integrations
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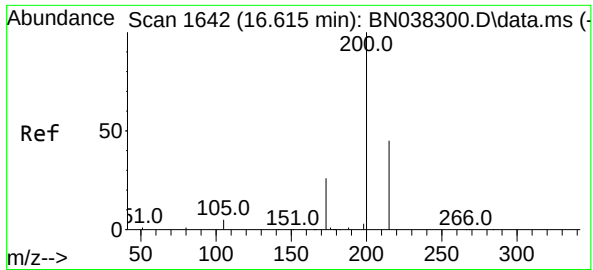
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#22
Hexachlorobenzene
Concen: 0.300 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

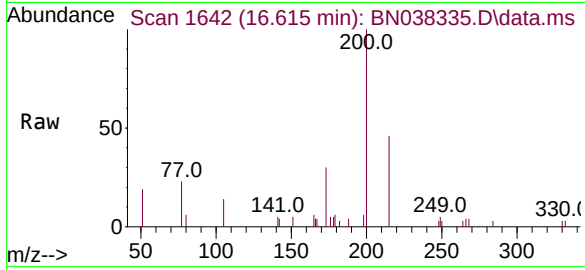
Tgt Ion:284 Resp: 3353
Ion Ratio Lower Upper
284 100
142 36.6 29.5 44.3
249 29.8 23.7 35.5





#23
Atrazine
Concen: 0.381 ng
RT: 16.615 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

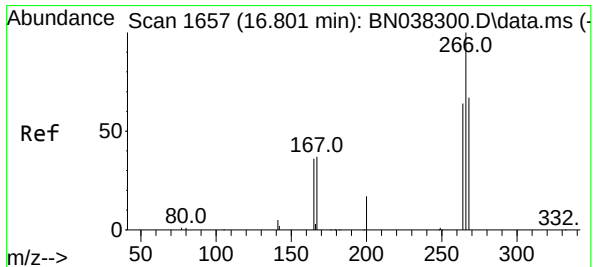
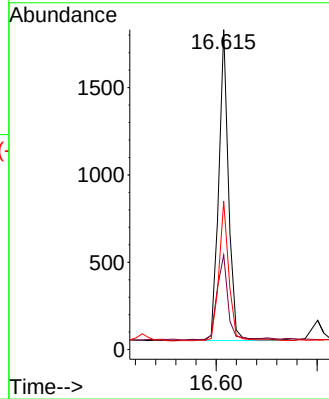
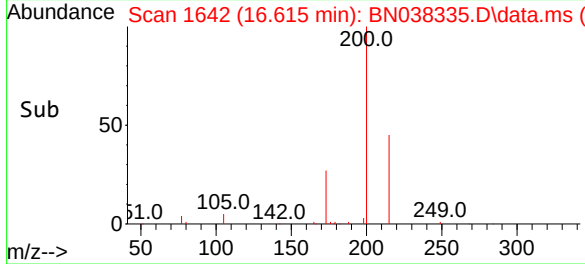
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



Tgt Ion:200 Resp: 2415
Ion Ratio Lower Upper
200 100
173 29.6 22.1 33.1
215 46.3 37.4 56.2

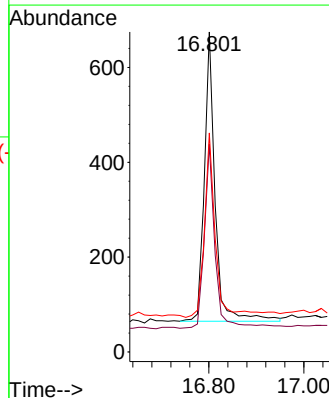
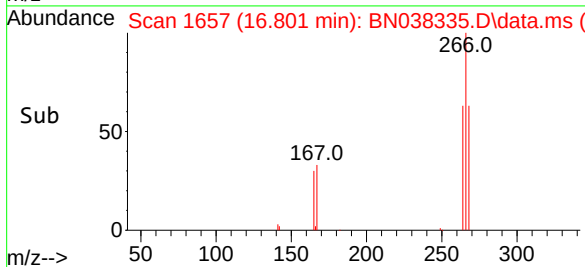
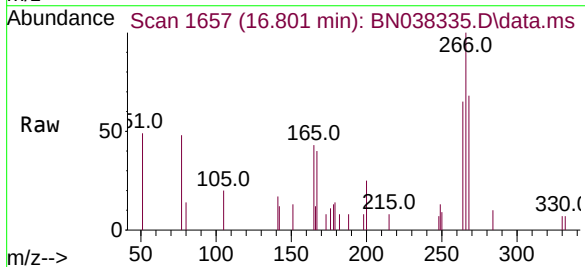
Manual Integrations
APPROVED

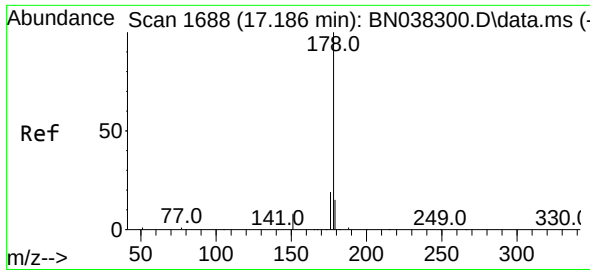
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#24
Pentachlorophenol
Concen: 0.218 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

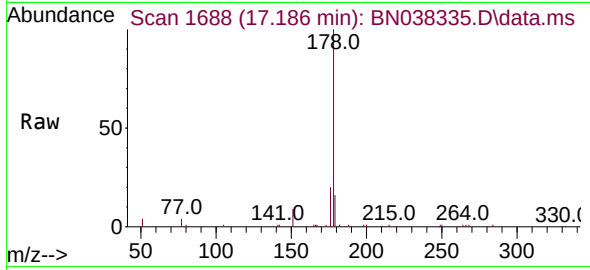
Tgt Ion:266 Resp: 952
Ion Ratio Lower Upper
266 100
264 63.7 50.2 75.2
268 61.9 52.6 78.8





#25
Phenanthrene
Concen: 0.346 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

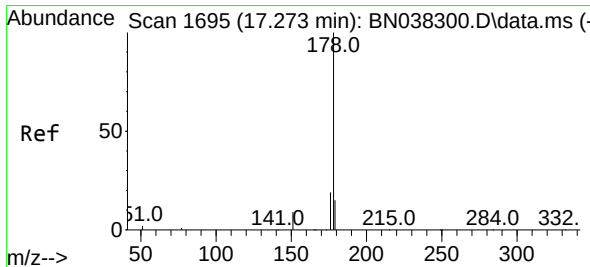
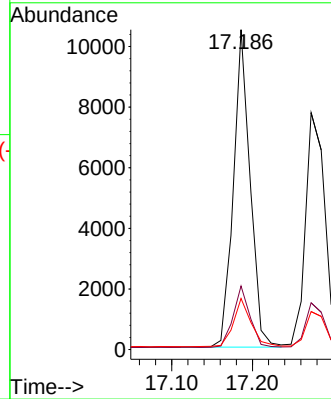
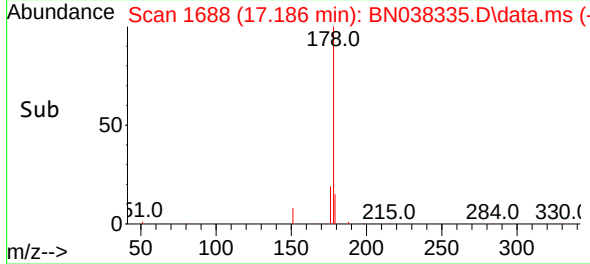
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



Tgt Ion:178 Resp: 15088
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 16.2 12.2 18.2

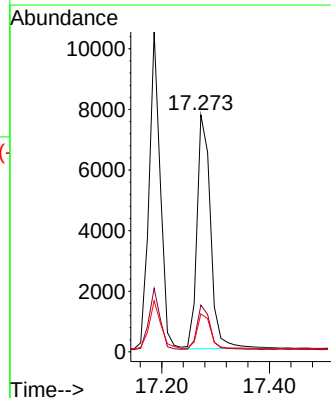
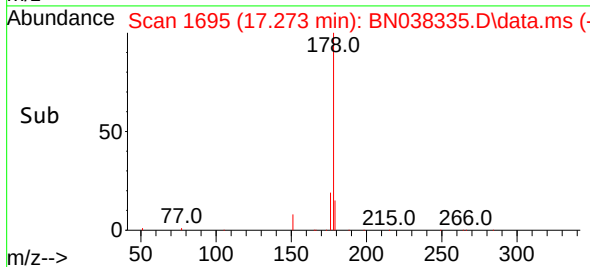
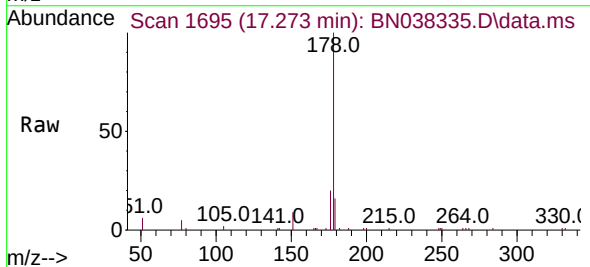
Manual Integrations
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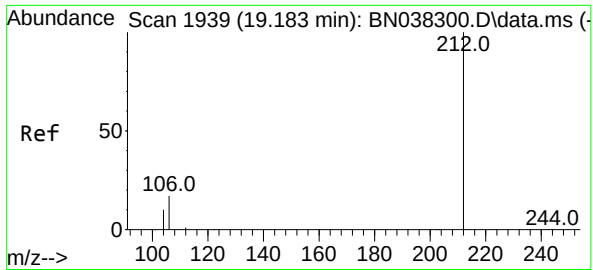
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#26
Anthracene
Concen: 0.358 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

Tgt Ion:178 Resp: 13455
Ion Ratio Lower Upper
178 100
176 18.3 15.1 22.7
179 15.4 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.372 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038335.D

Acq: 12 Dec 2025 03:01

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525MS

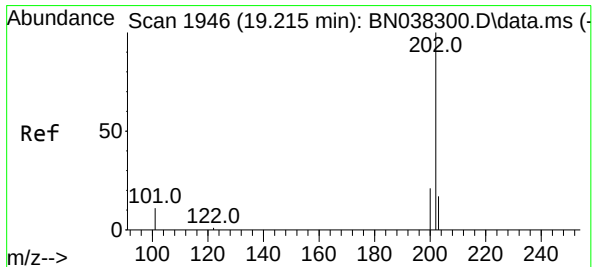
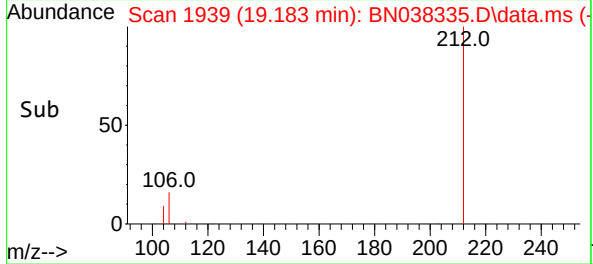
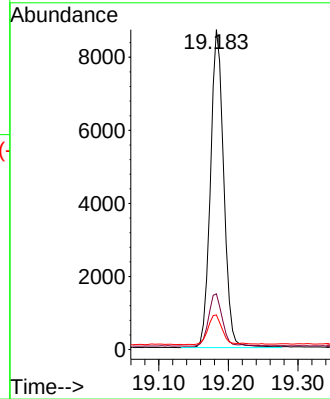
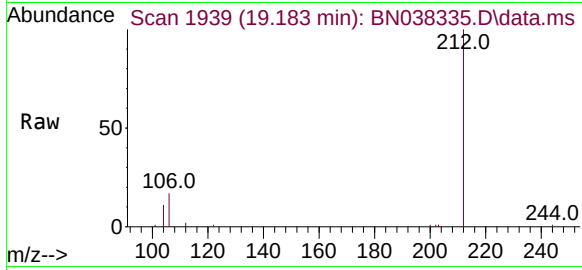
Tgt Ion	Ratio	Lower	Upper
212	100		
106	17.3	13.7	20.5
104	10.1	7.8	11.8

Manual Integrations

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Reviewed By :Rahul Chavli 12/12/2025

Supervised By :Jagrut Upadhyay 12/12/2025



#28

Fluoranthene

Concen: 0.346 ng

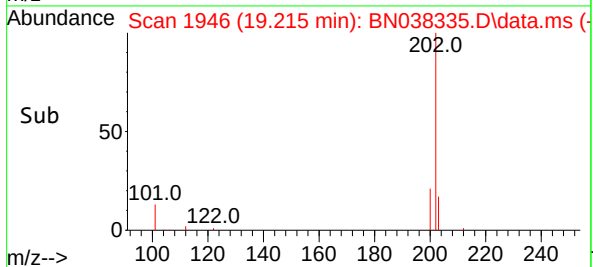
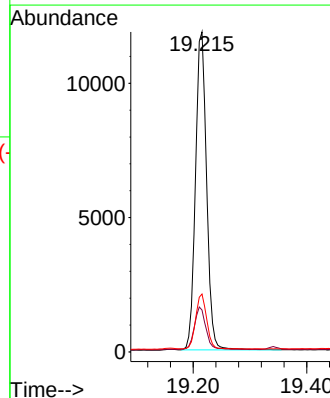
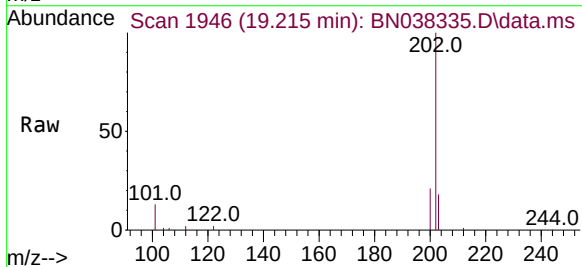
RT: 19.215 min Scan# 1946

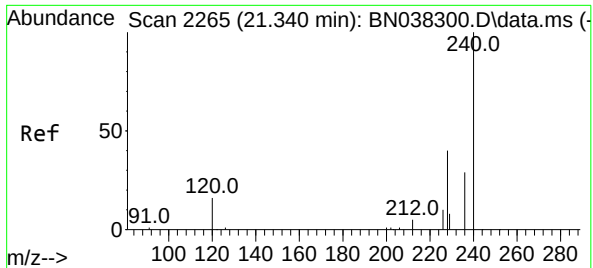
Delta R.T. -0.005 min

Lab File: BN038335.D

Acq: 12 Dec 2025 03:01

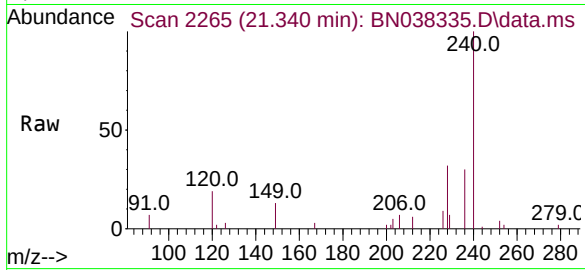
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	9.6	14.4
203	17.1	13.5	20.3





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

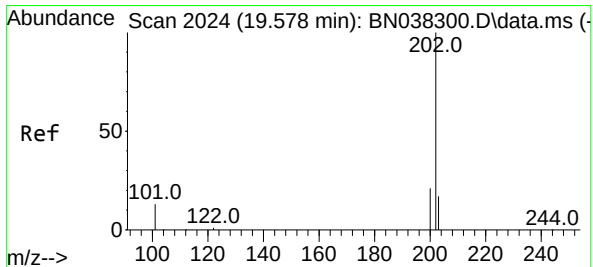
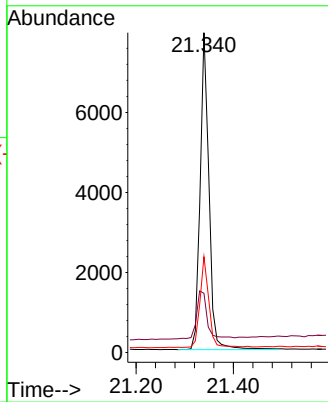
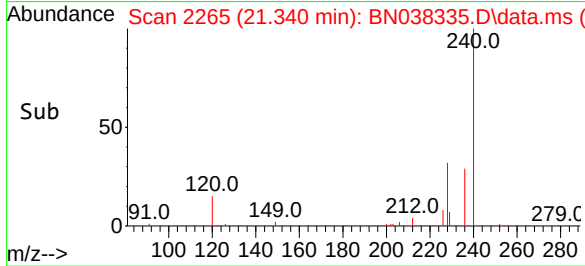
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



Tgt Ion:240 Resp: 10004
Ion Ratio Lower Upper
240 100
120 18.5 15.4 23.2
236 30.0 23.9 35.9

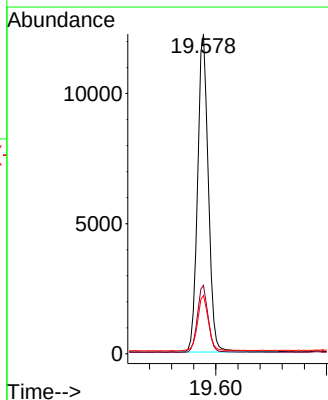
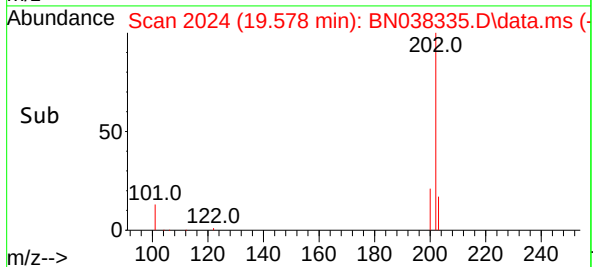
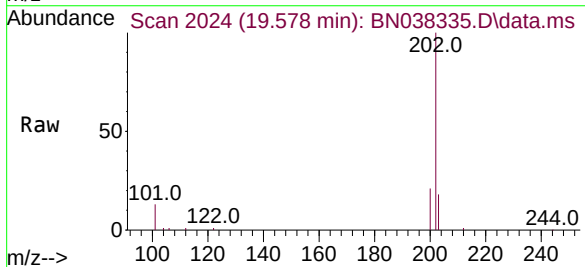
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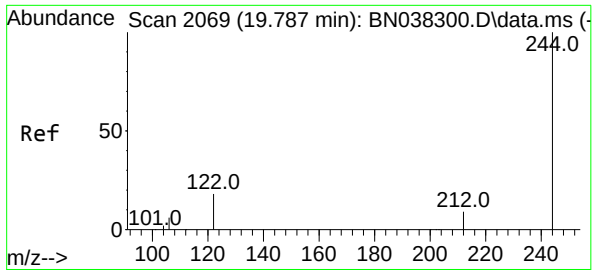
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#30
Pyrene
Concen: 0.334 ng
RT: 19.578 min Scan# 2024
Delta R.T. -0.005 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

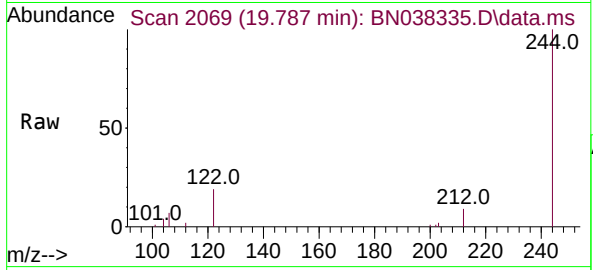
Tgt Ion:202 Resp: 16438
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.4 14.2 21.2





#31
Terphenyl-d14
Concen: 0.403 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

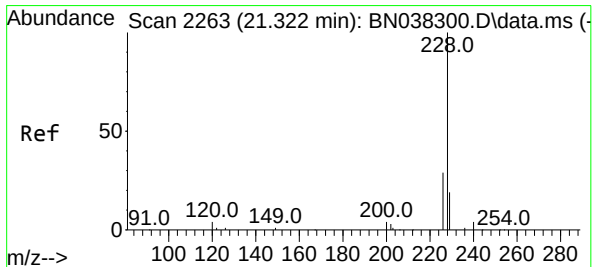
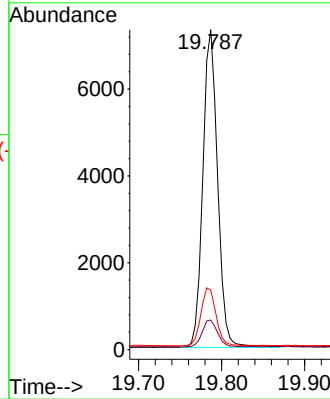
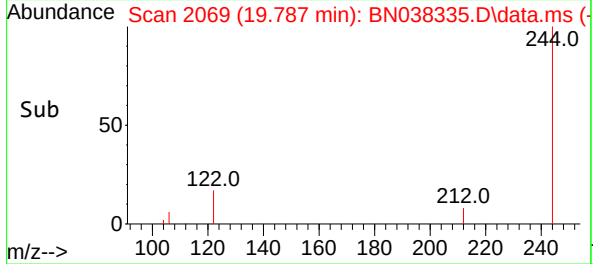
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



Tgt Ion:244 Resp: 8998
Ion Ratio Lower Upper
244 100
212 9.2 7.9 11.9
122 18.6 15.0 22.6

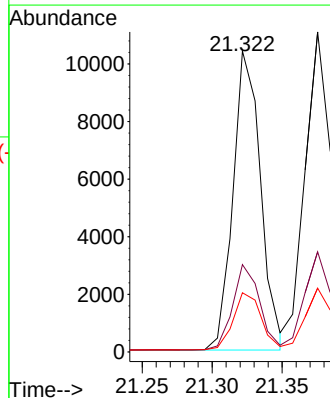
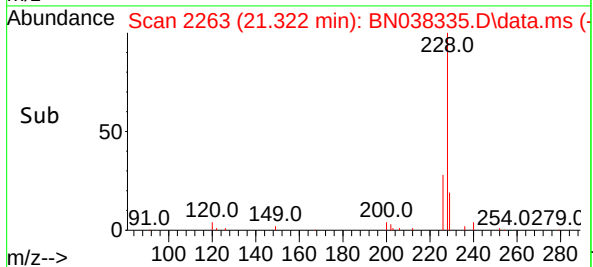
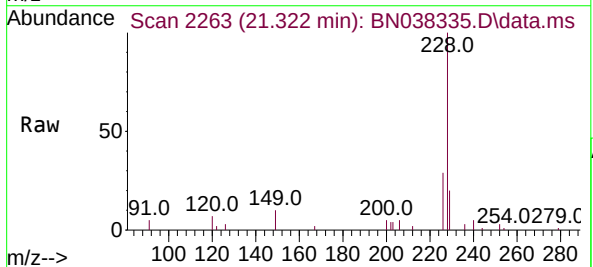
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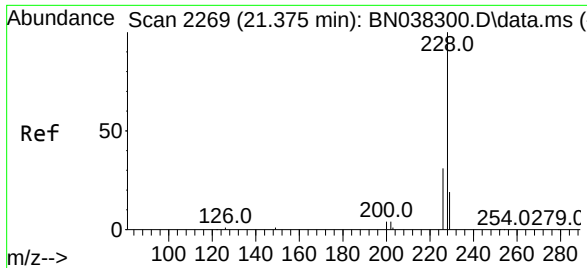
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#32
Benzo(a)anthracene
Concen: 0.367 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

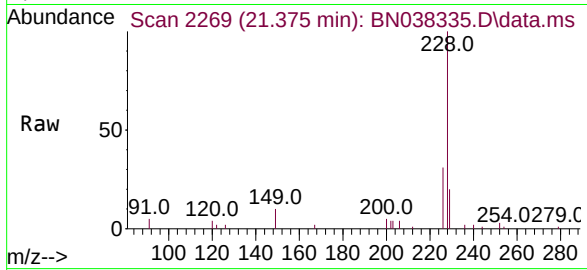
Tgt Ion:228 Resp: 14202
Ion Ratio Lower Upper
228 100
226 29.0 23.3 34.9
229 19.7 15.7 23.5





#33
Chrysene
Concen: 0.361 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

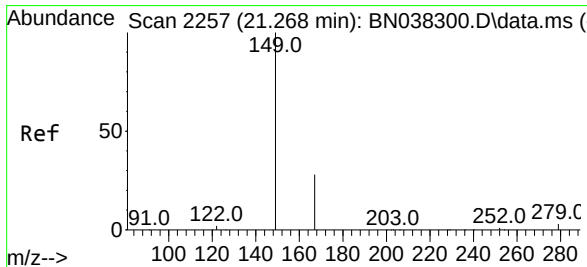
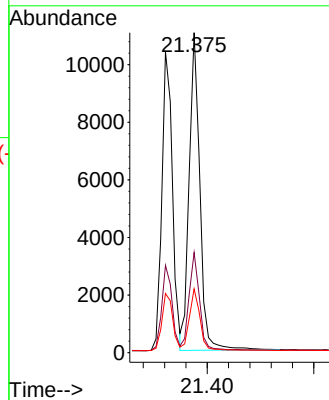
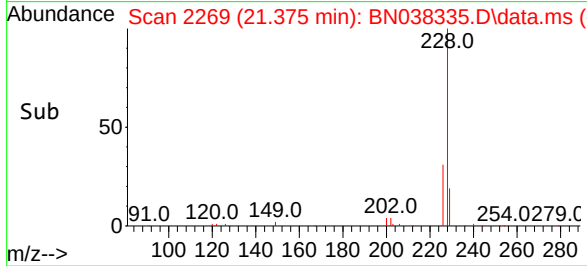
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



Tgt Ion:228 Resp: 15360
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.4
229 19.9 15.5 23.3

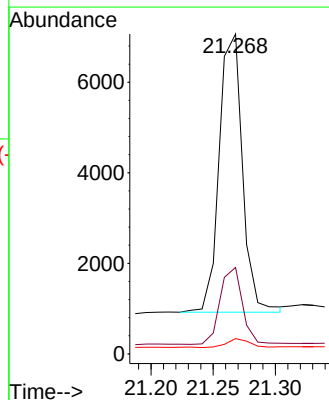
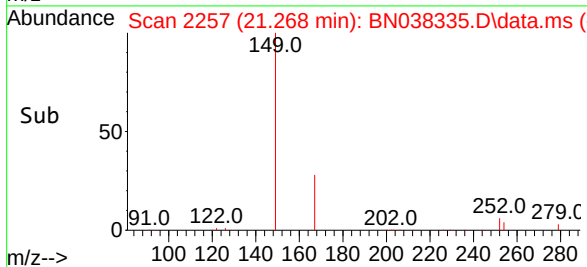
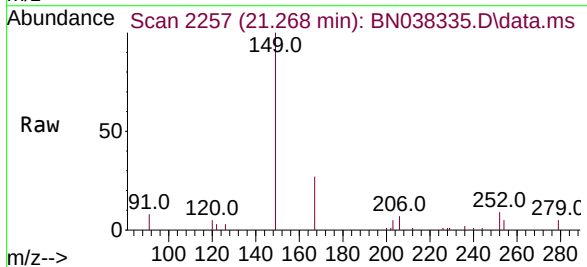
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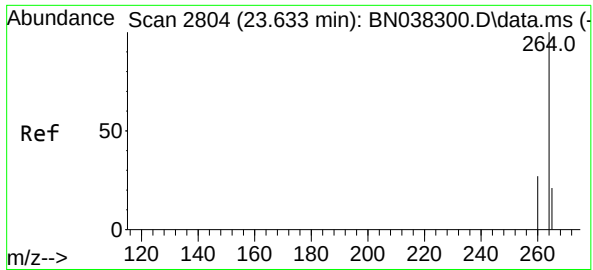
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.379 ng
RT: 21.268 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

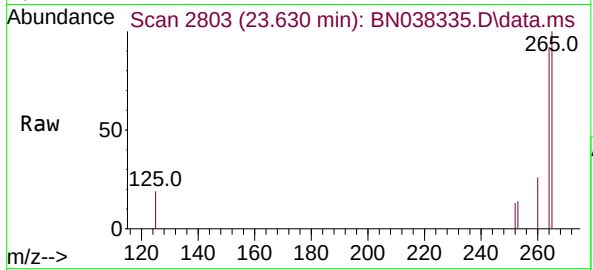
Tgt Ion:149 Resp: 8030
Ion Ratio Lower Upper
149 100
167 26.8 21.4 32.0
279 3.1 2.4 3.6





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.630 min Scan# 2803
 Delta R.T. -0.003 min
 Lab File: BN038335.D
 Acq: 12 Dec 2025 03:01

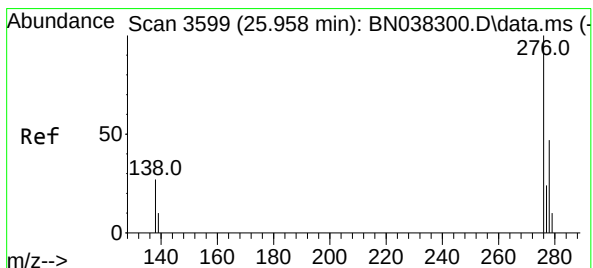
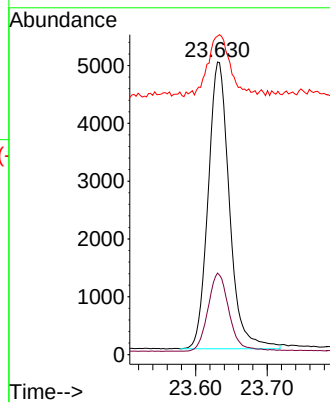
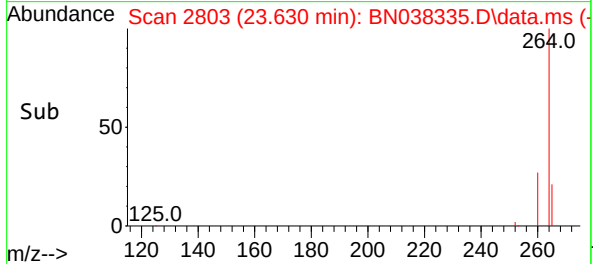
Instrument :
 BNA_N
 ClientSampleId :
 OWBR-05-135-120525MS



Tgt Ion:264 Resp: 10310
 Ion Ratio Lower Upper
 264 100
 260 27.9 22.2 33.2
 265 108.8 80.2 120.2

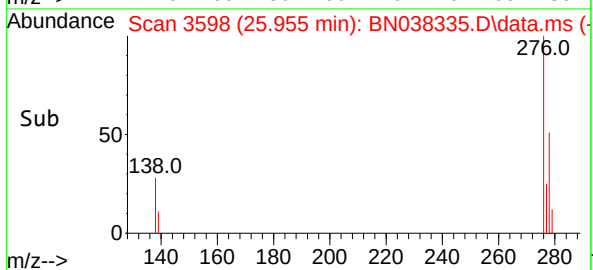
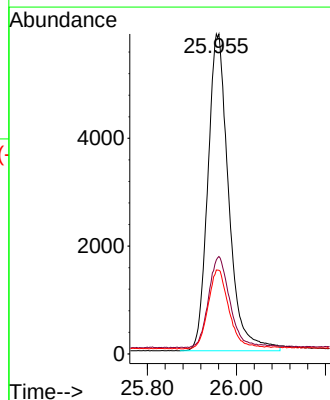
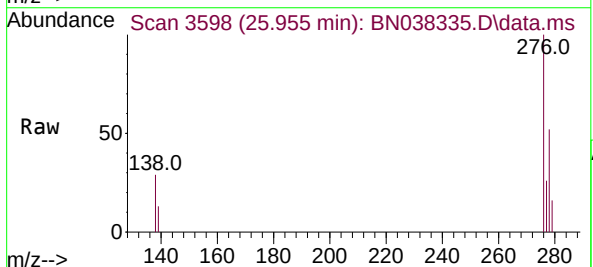
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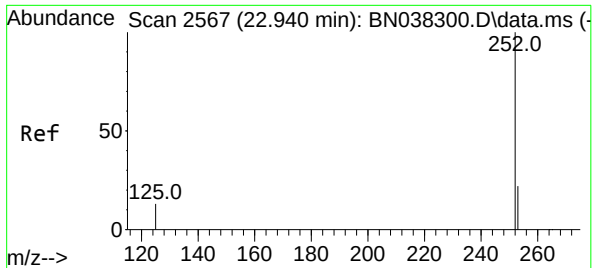
Reviewed By :Rahul Chavli 12/12/2025
 Supervised By :Jagrut Upadhyay 12/12/2025



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.349 ng
 RT: 25.955 min Scan# 3598
 Delta R.T. -0.009 min
 Lab File: BN038335.D
 Acq: 12 Dec 2025 03:01

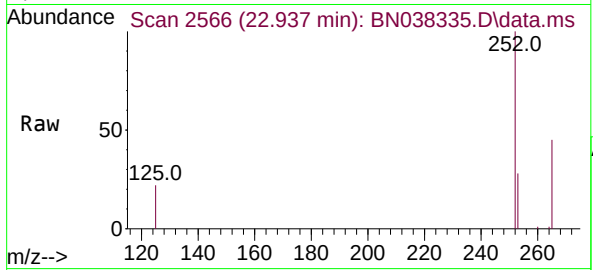
Tgt Ion:276 Resp: 19101
 Ion Ratio Lower Upper
 276 100
 138 29.3 23.6 35.4
 277 25.1 19.7 29.5





#37
Benzo(b)fluoranthene
Concen: 0.334 ng
RT: 22.937 min Scan# 2566
Delta R.T. -0.009 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

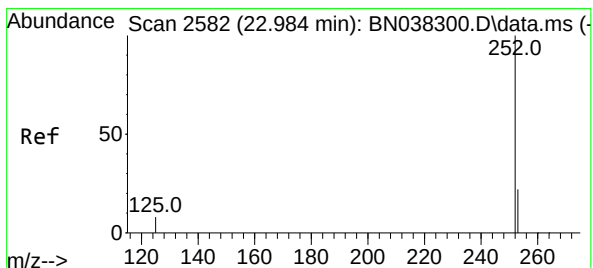
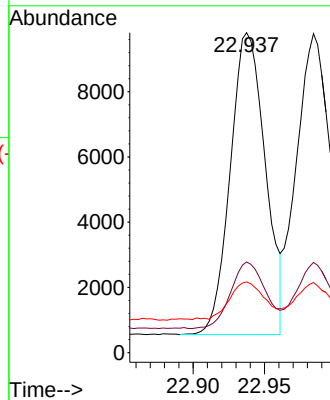
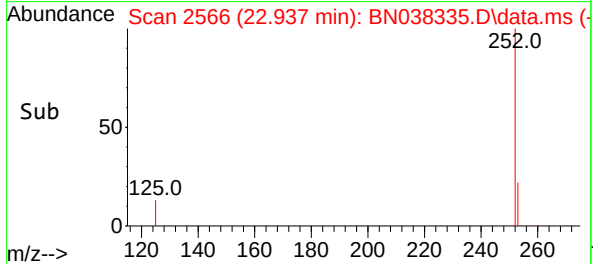
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS



Tgt Ion:252 Resp: 15794
Ion Ratio Lower Upper
252 100
253 28.3 21.1 31.7
125 22.1 16.4 24.6

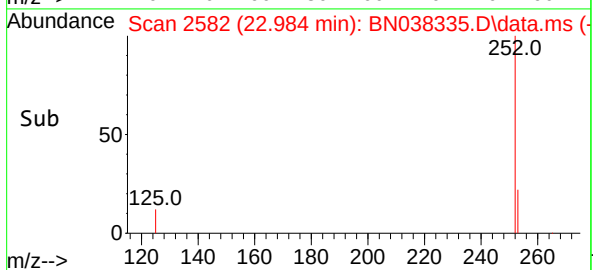
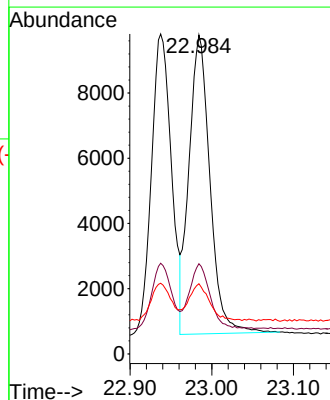
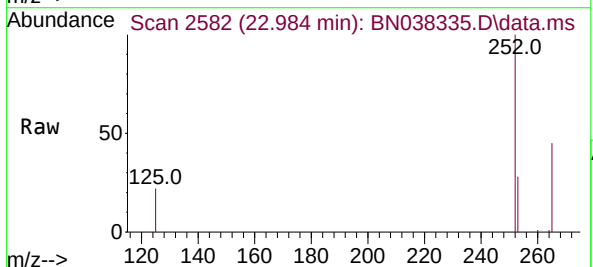
Manual Integrations
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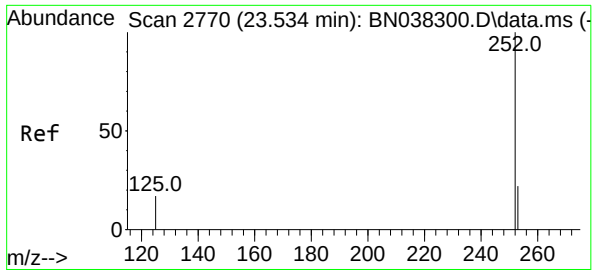
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#38
Benzo(k)fluoranthene
Concen: 0.346 ng
RT: 22.984 min Scan# 2582
Delta R.T. -0.006 min
Lab File: BN038335.D
Acq: 12 Dec 2025 03:01

Tgt Ion:252 Resp: 16324
Ion Ratio Lower Upper
252 100
253 28.3 21.4 32.0
125 22.0 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.363 ng

RT: 23.528 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN038335.D

Acq: 12 Dec 2025 03:01

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525MS

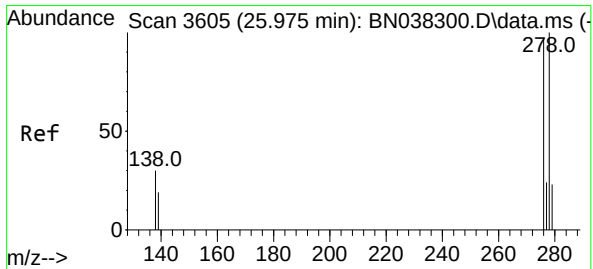
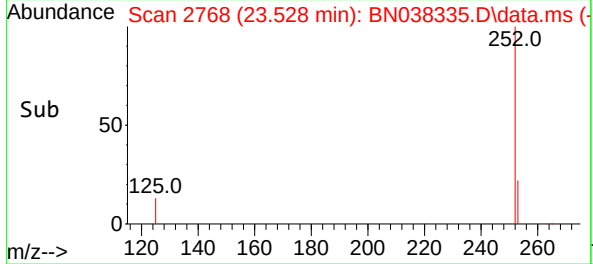
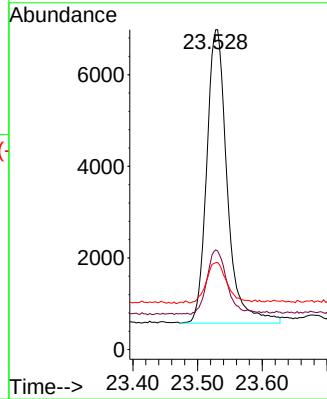
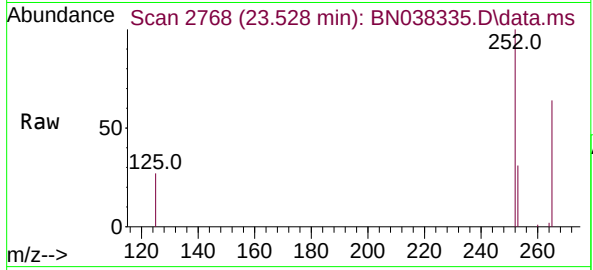
Tgt Ion:	252	Resp:	14075
Ion Ratio	Lower	Upper	
252	100		
253	31.2	23.3	34.9
125	27.2	22.4	33.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/12/2025

Supervised By :Jagrut Upadhyay 12/12/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.356 ng

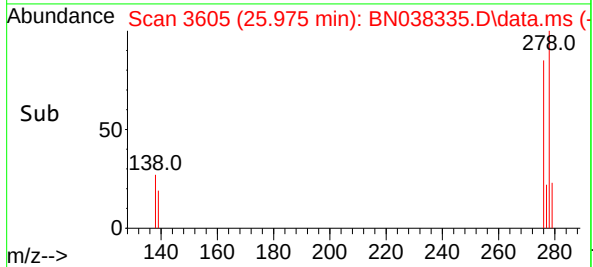
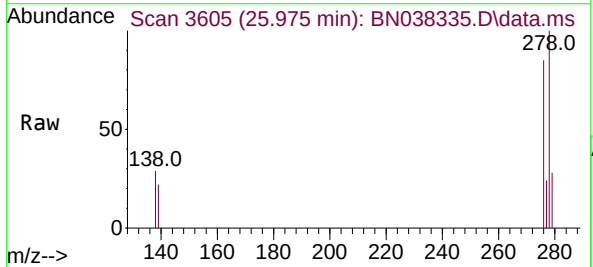
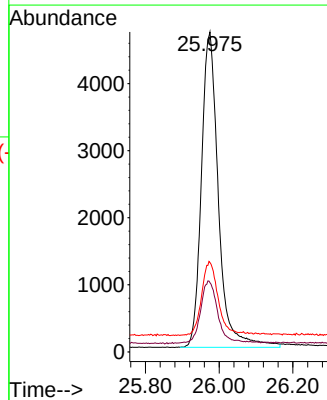
RT: 25.975 min Scan# 3605

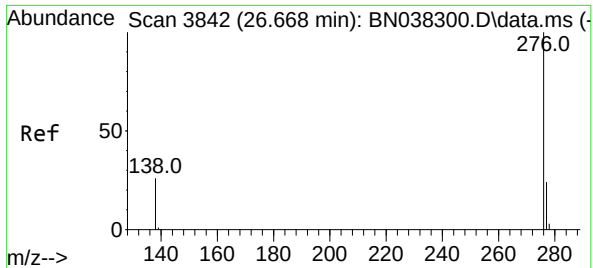
Delta R.T. -0.006 min

Lab File: BN038335.D

Acq: 12 Dec 2025 03:01

Tgt Ion:	278	Resp:	15029
Ion Ratio	Lower	Upper	
278	100		
139	21.7	17.8	26.8
279	27.9	21.3	31.9





#41

Benzo(g,h,i)perylene

Concen: 0.350 ng

RT: 26.665 min Scan# 3842

Delta R.T. -0.012 min

Lab File: BN038335.D

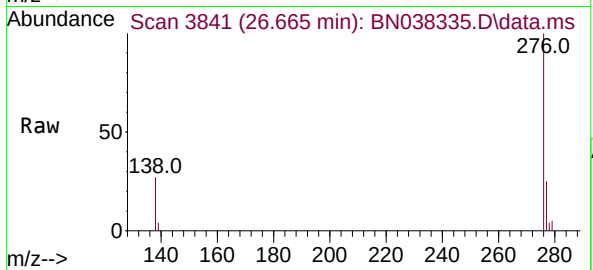
Acq: 12 Dec 2025 03:01

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525MS



Tgt Ion:276 Resp: 16492

Ion Ratio Lower Upper

276 100

277 25.3 20.0 30.0

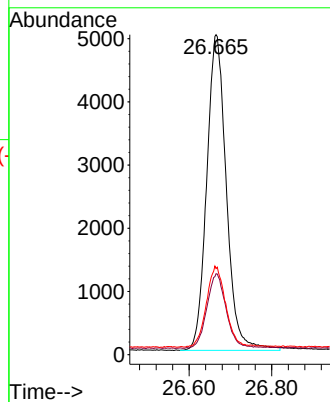
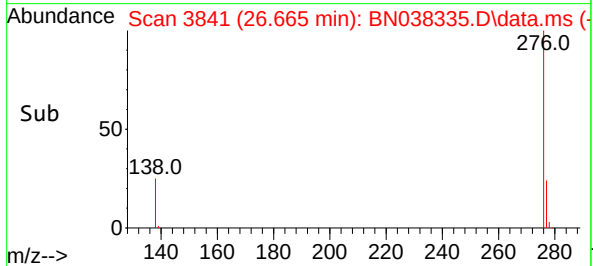
138 26.9 21.8 32.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/12/2025

Supervised By :Jagrut Upadhyay 12/12/2025





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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/05/25
Client Sample ID:	OWBR-05-135-120525MSD	SDG No.:	Q3788
Lab Sample ID:	Q3788-03MSD	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	28.3	E	1	0.070	0.20	ug/L	12/12/25 03:37	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.26			30 (47) - 150 (106)	65%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.35			30 (54) - 150 (157)	86%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.31			30 (56) - 130 (116)	76%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.31			30 (50) - 130 (126)	77%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.38			30 (54) - 130 (175)	96%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5560							
1146-65-2	Naphthalene-d8	14800							
15067-26-2	Acenaphthene-d10	7580							
1517-22-2	Phenanthrene-d10	13300							
1719-03-5	Chrysene-d12	10500							
1520-96-3	Perylene-d12	10800							

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\BN121125\
 Data File : BN038336.D
 Acq On : 12 Dec 2025 03:37
 Operator : RC/JU
 Sample : Q3788-03MSD
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OWBR-05-135-120525MSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/12/2025
 Supervised By :Jagrut Upadhyay 12/12/2025

Quant Time: Dec 12 04:18:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5563	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	14775	0.400	ng	#-0.01
13) Acenaphthene-d10	14.387	164	7579	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	13283	0.400	ng	0.00
29) Chrysene-d12	21.339	240	10457	0.400	ng	0.00
35) Perylene-d12	23.630	264	10825	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1745	0.126	ng	0.00
5) Phenol-d6	6.886	99	1266	0.077	ng	0.00
8) Nitrobenzene-d5	8.875	82	3819	0.306	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	5405m	0.259	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1063	0.316	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	11217	0.307	ng	0.00
27) Fluoranthene-d10	19.183	212	11358	0.346	ng	0.00
31) Terphenyl-d14	19.787	244	8928	0.383	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.189	88	180404	28.283	ng	99
3) n-Nitrosodimethylamine	3.506	42	1371	0.171	ng	# 85
6) bis(2-Chloroethyl)ether	7.139	93	4673	0.290	ng	100
9) Naphthalene	10.573	128	12265	0.281	ng	99
10) Hexachlorobutadiene	10.872	225	1640	0.211	ng	# 100
12) 2-Methylnaphthalene	12.197	142	7060	0.255	ng	99
16) Acenaphthylene	14.109	152	11781	0.317	ng	99
17) Acenaphthene	14.452	154	7145	0.276	ng	97
18) Fluorene	15.446	166	9986	0.299	ng	98
20) 4,6-Dinitro-2-methylph...	15.522	198	288	0.132	ng	# 1
21) 4-Bromophenyl-phenylether	16.342	248	3033	0.308	ng	99
22) Hexachlorobenzene	16.453	284	3347	0.283	ng	99
23) Atrazine	16.615	200	2379	0.354	ng	98
24) Pentachlorophenol	16.801	266	1026	0.222	ng	100
25) Phenanthrene	17.186	178	14851	0.321	ng	99
26) Anthracene	17.273	178	13279	0.333	ng	100
28) Fluoranthene	19.215	202	15808	0.322	ng	98
30) Pyrene	19.578	202	16321	0.317	ng	99
32) Benzo(a)anthracene	21.322	228	13927	0.345	ng	99
33) Chrysene	21.375	228	14906	0.335	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	7739	0.349	ng	99
36) Indeno(1,2,3-cd)pyrene	25.955	276	18655	0.325	ng	99
37) Benzo(b)fluoranthene	22.937	252	15326	0.308	ng	97
38) Benzo(k)fluoranthene	22.984	252	16149	0.326	ng	97
39) Benzo(a)pyrene	23.528	252	13609	0.334	ng	98
40) Dibenzo(a,h)anthracene	25.972	278	14664	0.331	ng	98
41) Benzo(g,h,i)perylene	26.665	276	16053	0.324	ng	100

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

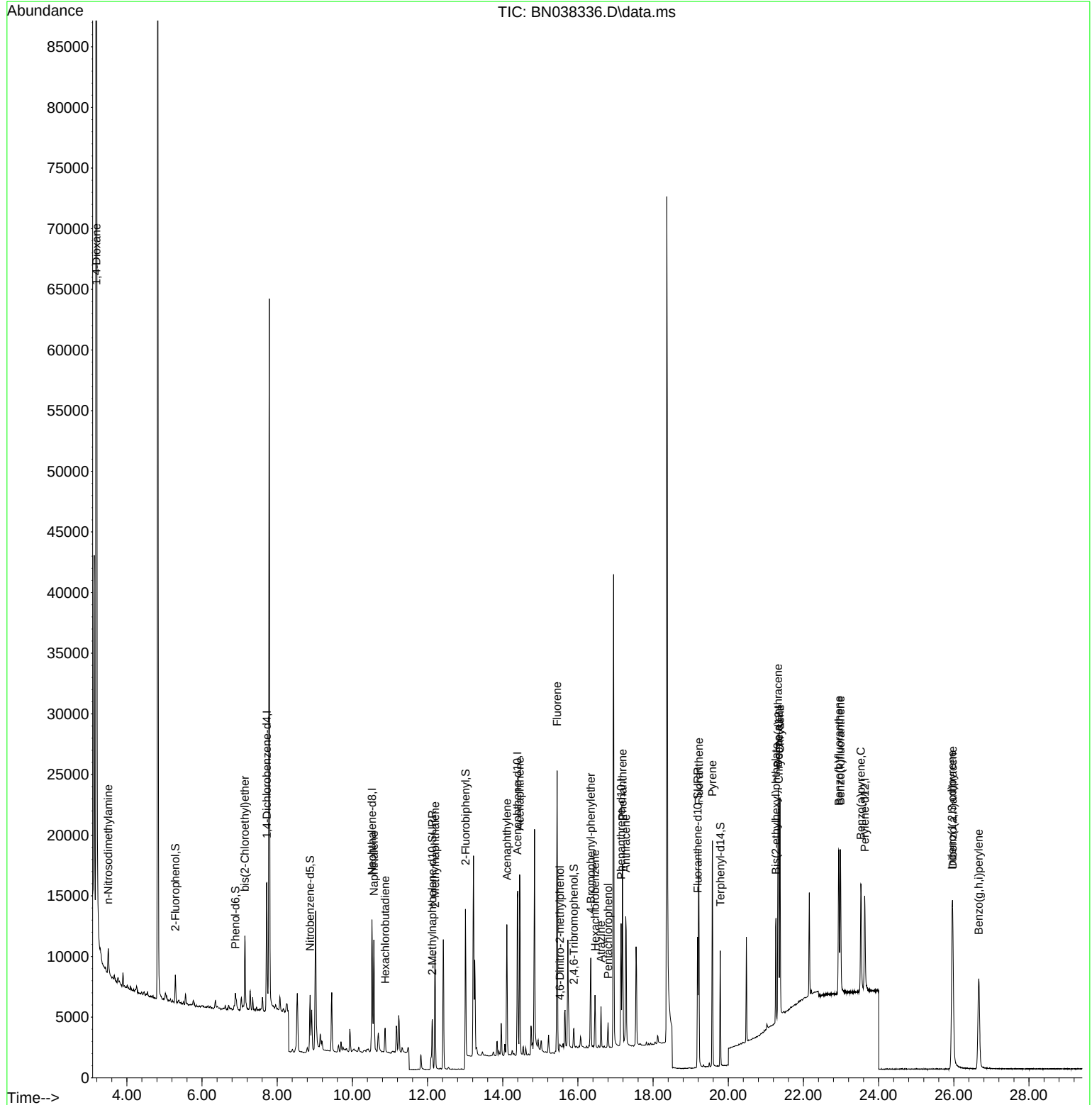
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038336.D
Acq On : 12 Dec 2025 03:37
Operator : RC/JU
Sample : Q3788-03MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

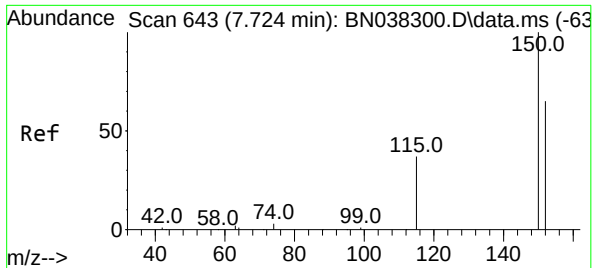
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025

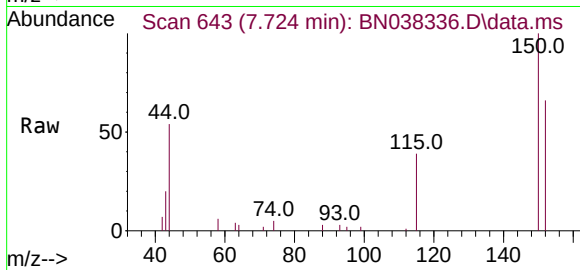
Quant Time: Dec 12 04:18:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

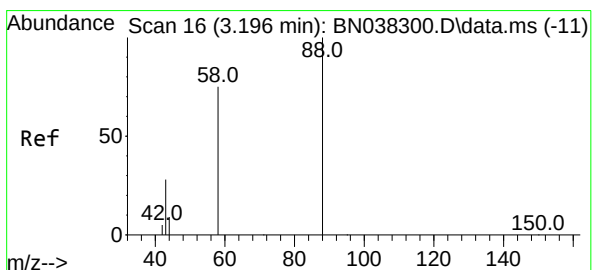
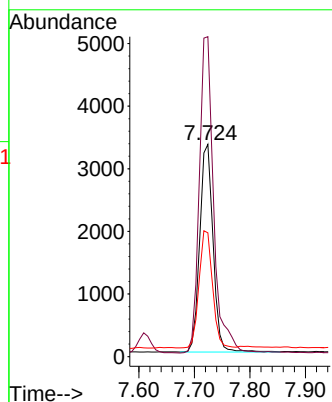
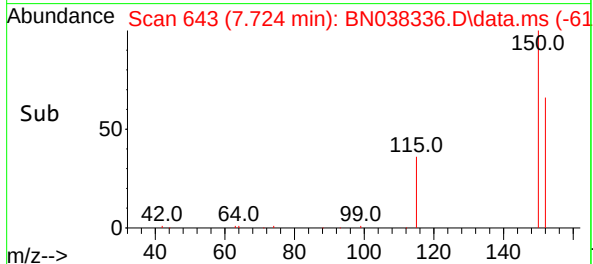
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion: 152 Resp: 5563
Ion Ratio Lower Upper
152 100
150 150.8 122.4 183.6
115 58.3 47.3 70.9

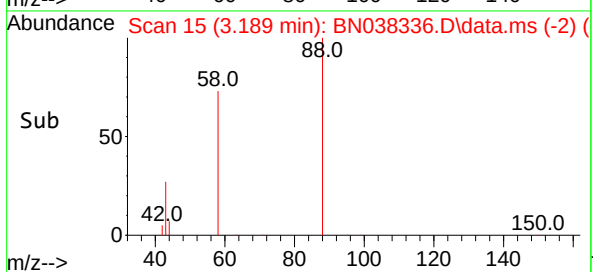
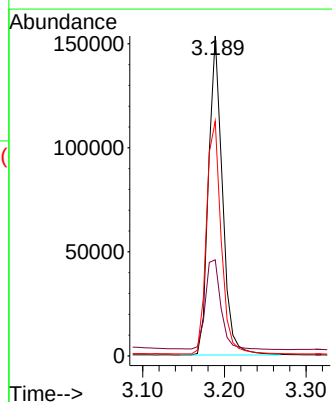
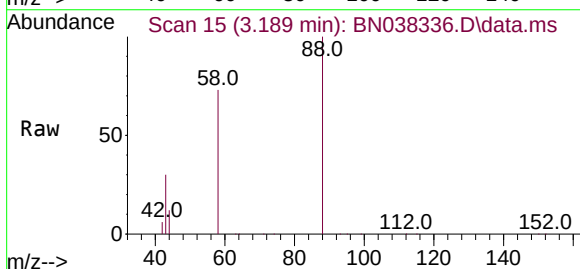
Manual Integrations
APPROVED

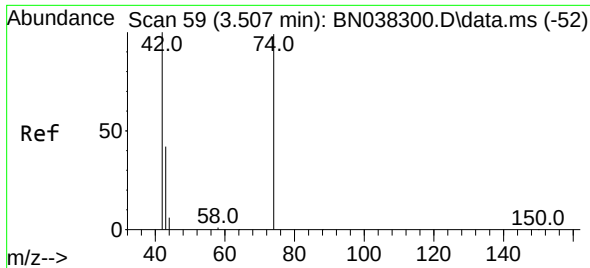
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#2
1,4-Dioxane
Concen: 28.283 ng
RT: 3.189 min Scan# 15
Delta R.T. -0.007 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

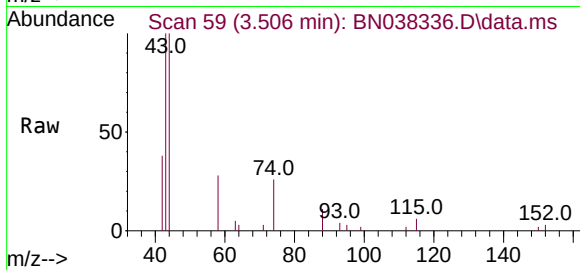
Tgt Ion: 88 Resp: 180404
Ion Ratio Lower Upper
88 100
43 31.3 24.9 37.3
58 77.3 61.4 92.0





#3
n-Nitrosodimethylamine
Concen: 0.171 ng
RT: 3.506 min Scan# 59
Delta R.T. 0.007 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

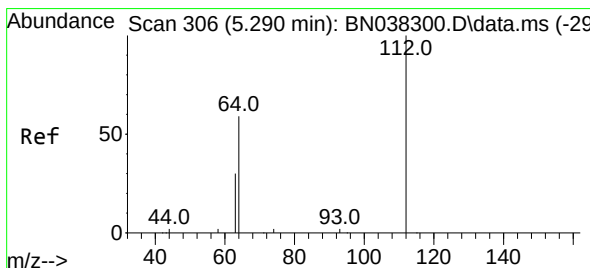
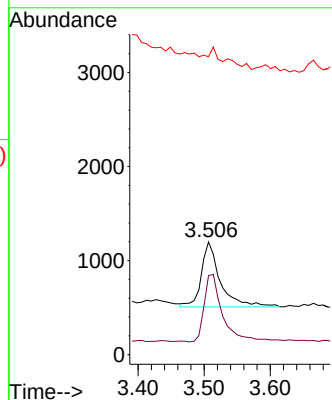
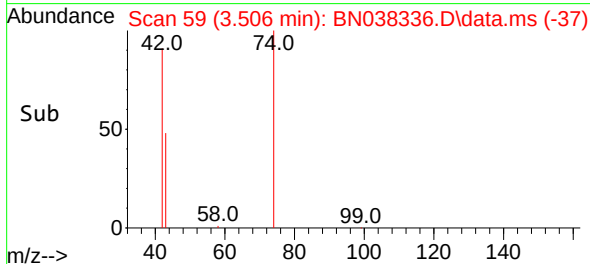
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion: 42 Resp: 137
Ion Ratio Lower Upper
42 100
74 103.1 95.3 142.9
44 0.0 7.9 11.9

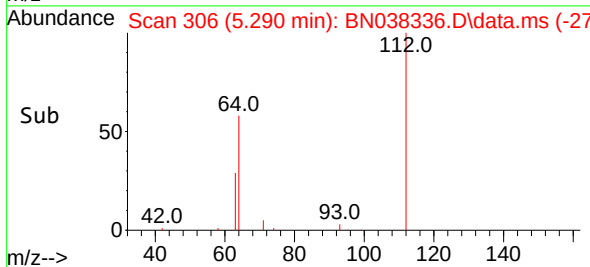
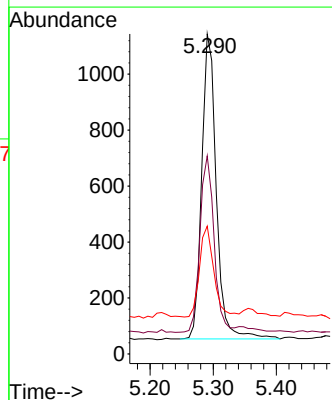
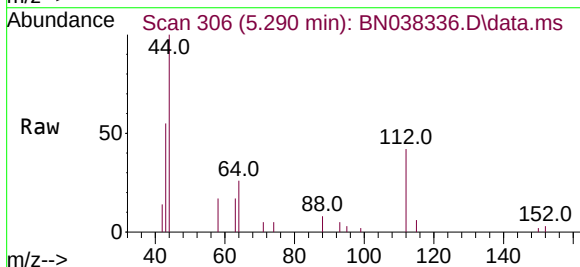
Manual Integrations
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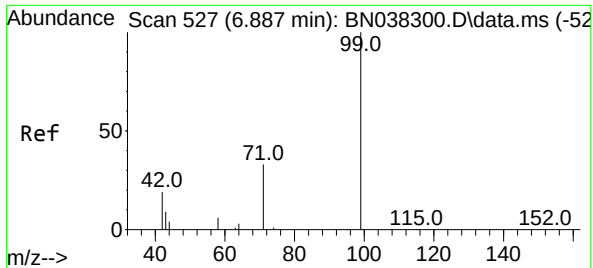
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#4
2-Fluorophenol
Concen: 0.126 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

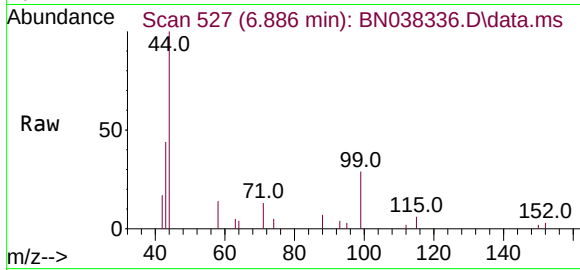
Tgt Ion:112 Resp: 1745
Ion Ratio Lower Upper
112 100
64 56.4 44.4 66.6
63 29.8 23.4 35.0





#5
Phenol-d6
Concen: 0.077 ng
RT: 6.886 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

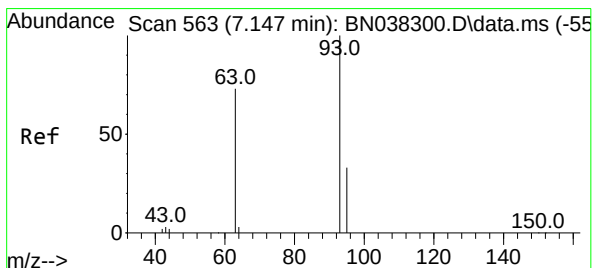
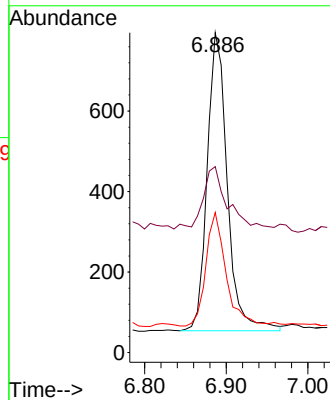
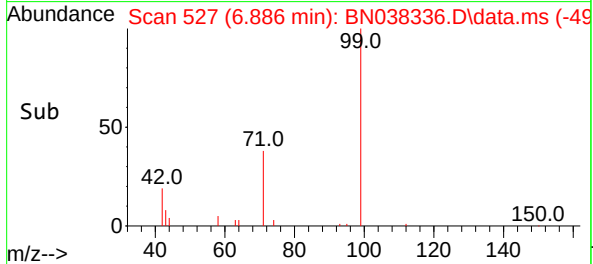
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion: 99 Resp: 1266
Ion Ratio Lower Upper
99 100
42 25.2 16.5 24.7
71 38.7 24.9 37.3

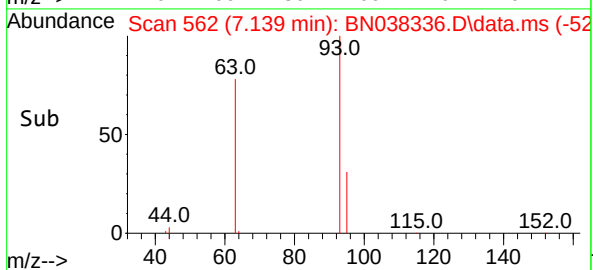
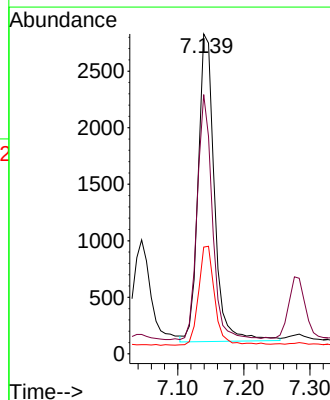
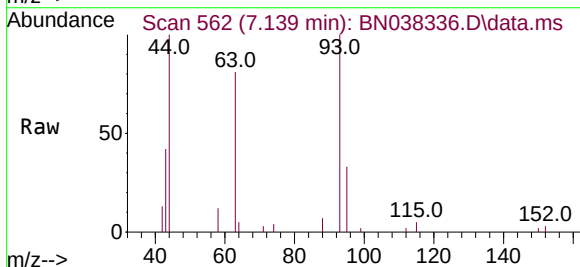
Manual Integrations
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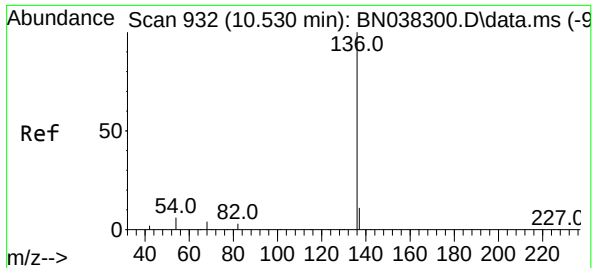
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.290 ng
RT: 7.139 min Scan# 562
Delta R.T. -0.007 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

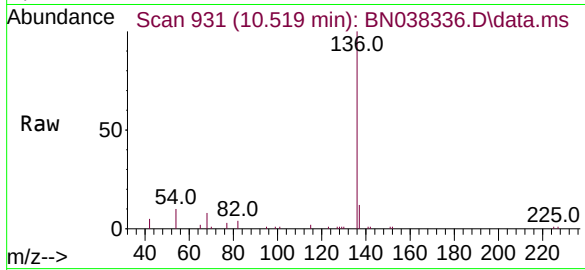
Tgt Ion: 93 Resp: 4673
Ion Ratio Lower Upper
93 100
63 74.0 59.2 88.8
95 31.4 25.2 37.8





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

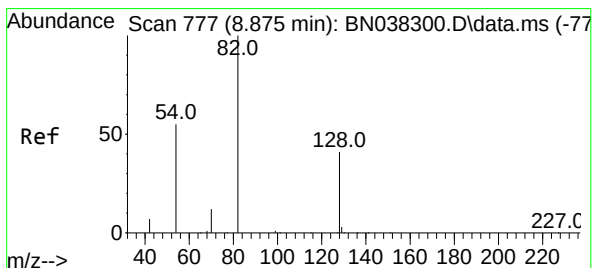
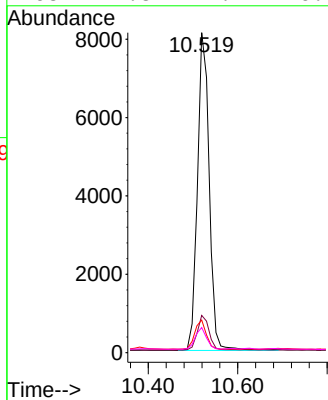
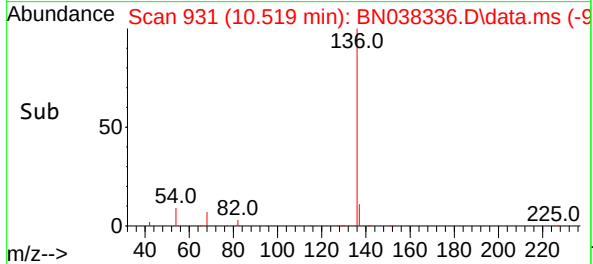
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion:136 Resp: 14775
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 10.2 5.2 7.8
68 7.8 4.1 6.1#

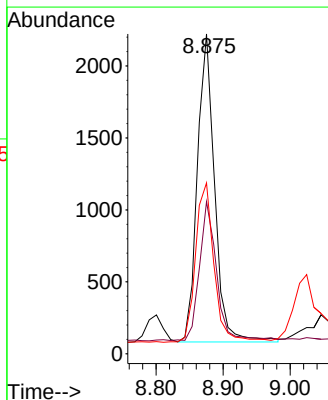
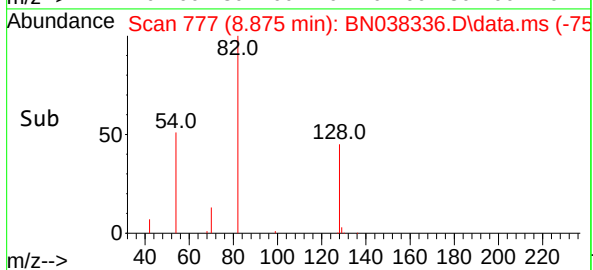
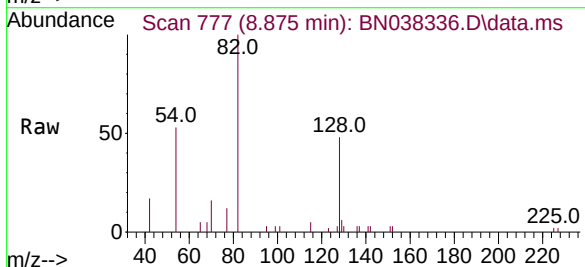
Manual Integrations
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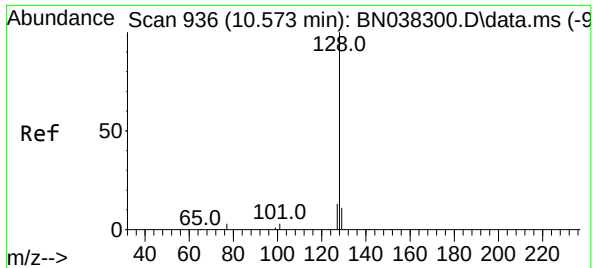
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#8
Nitrobenzene-d5
Concen: 0.306 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

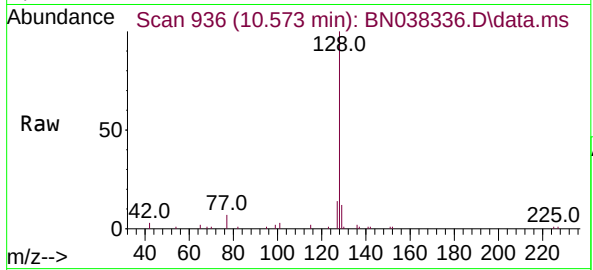
Tgt Ion: 82 Resp: 3819
Ion Ratio Lower Upper
82 100
128 47.5 34.0 51.0
54 53.4 44.4 66.6





#9
Naphthalene
Concen: 0.281 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

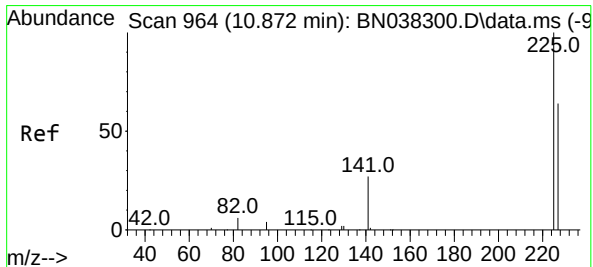
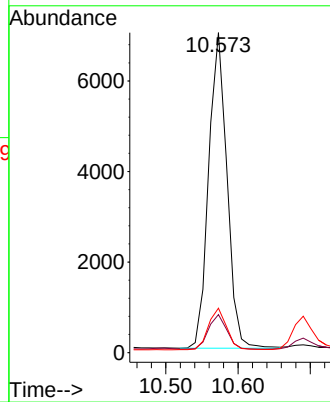
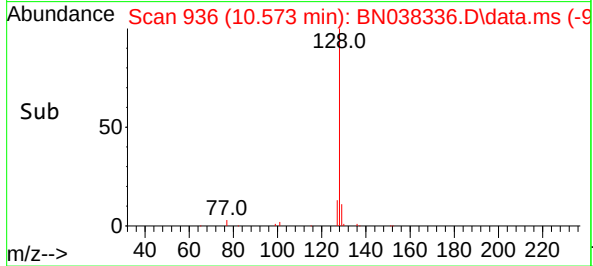
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion:128 Resp: 1226
Ion Ratio Lower Upper
128 100
129 11.9 9.1 13.7
127 13.9 10.9 16.3

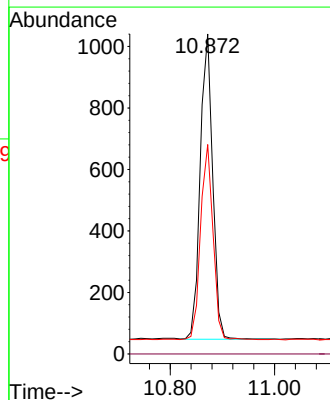
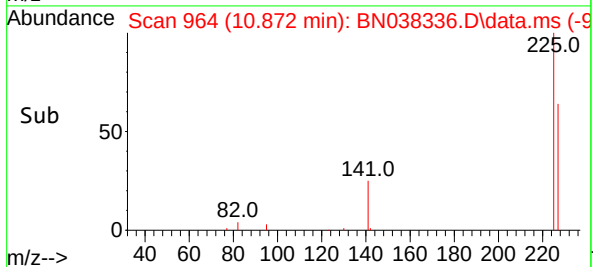
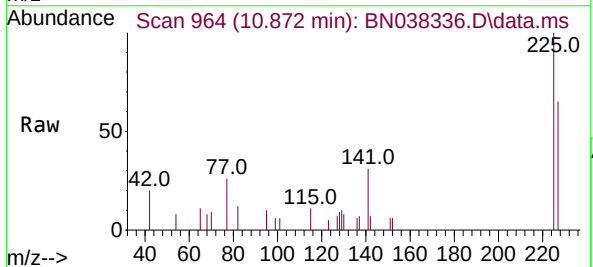
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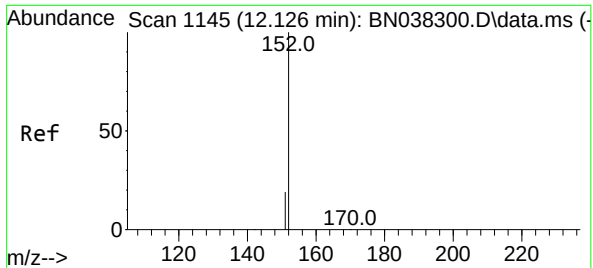
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#10
Hexachlorobutadiene
Concen: 0.211 ng
RT: 10.872 min Scan# 964
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

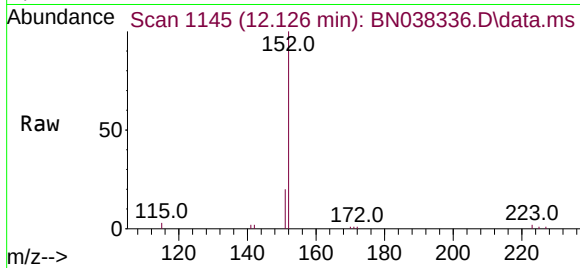
Tgt Ion:225 Resp: 1640
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.7 51.2 76.8





#11
2-Methylnaphthalene-d10
Concen: 0.259 ng m
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

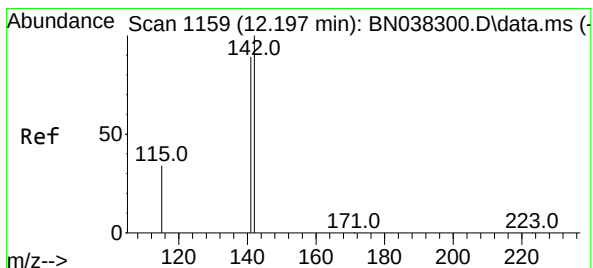
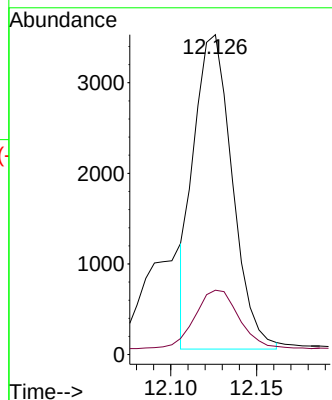
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion:152 Resp: 5405
Ion Ratio Lower Upper
152 100
151 21.6 17.0 25.6

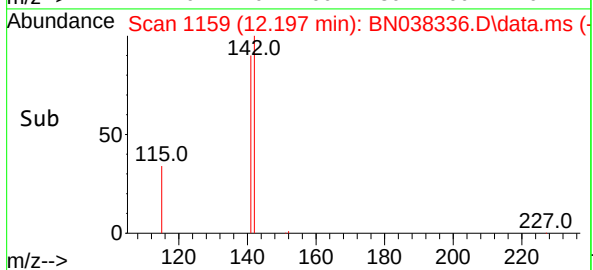
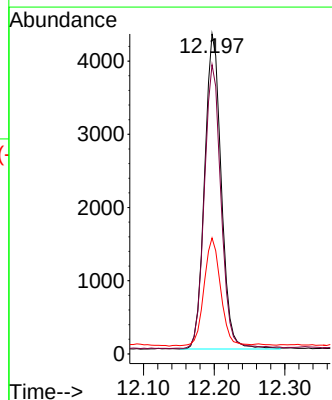
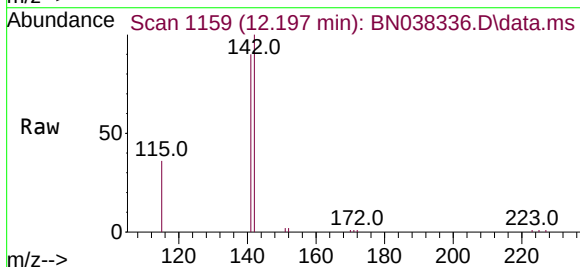
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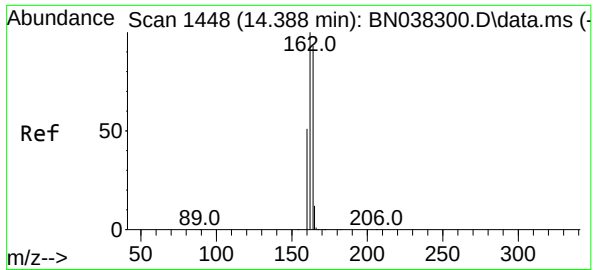
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#12
2-Methylnaphthalene
Concen: 0.255 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

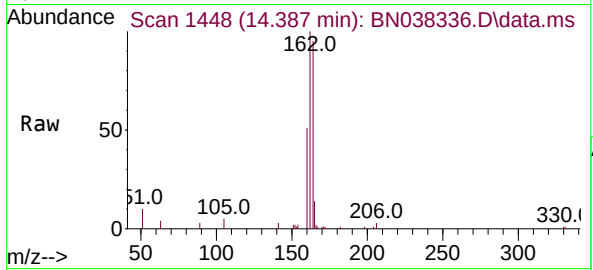
Tgt Ion:142 Resp: 7060
Ion Ratio Lower Upper
142 100
141 90.4 71.4 107.2
115 36.3 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.387 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

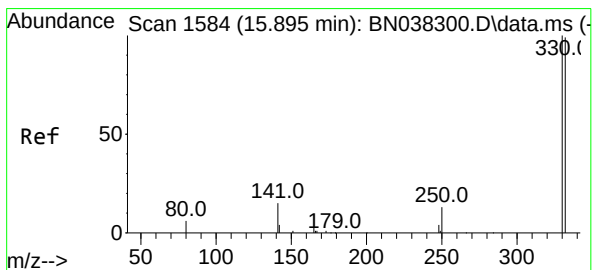
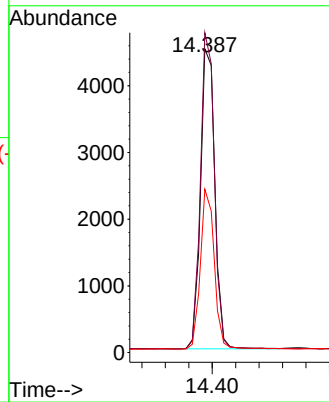
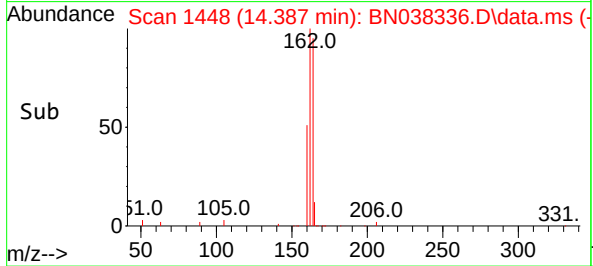
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion:164 Resp: 7579
Ion Ratio Lower Upper
164 100
162 105.4 86.2 129.4
160 53.7 44.6 67.0

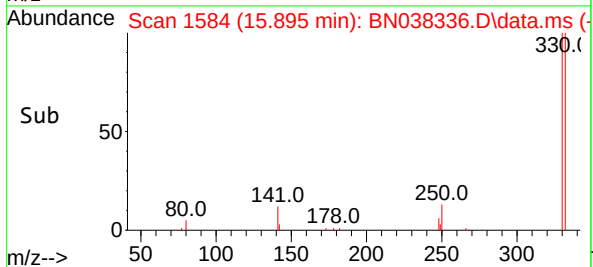
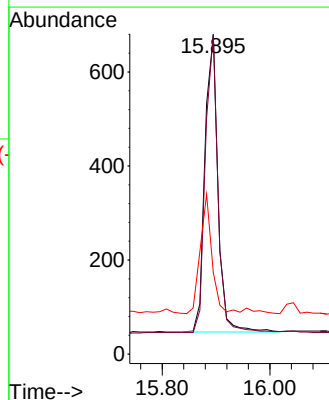
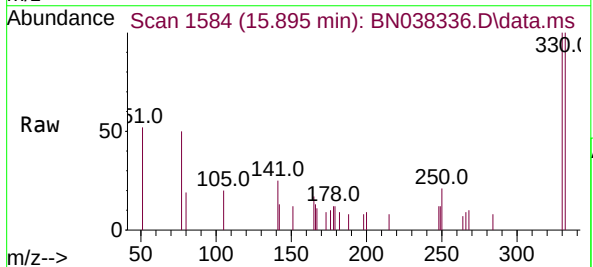
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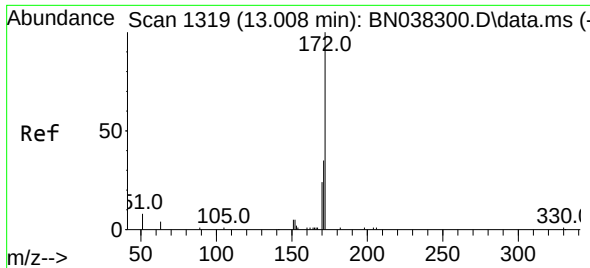
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#14
2,4,6-Tribromophenol
Concen: 0.316 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

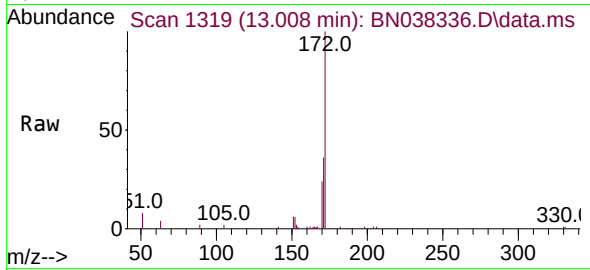
Tgt Ion:330 Resp: 1063
Ion Ratio Lower Upper
330 100
332 96.6 75.8 113.6
141 36.3 31.8 47.8





#15
2-Fluorobiphenyl
Concen: 0.307 ng
RT: 13.008 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

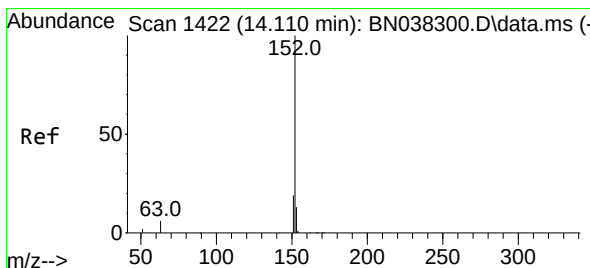
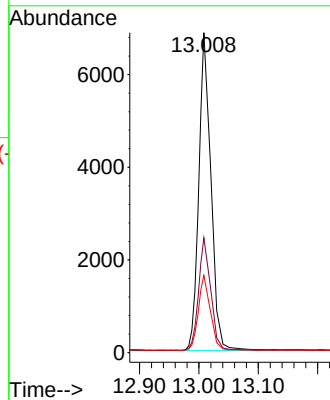
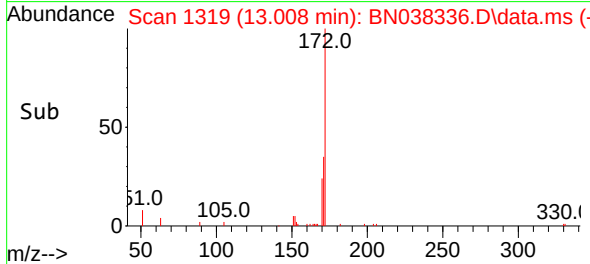
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion:172 Resp: 11217
Ion Ratio Lower Upper
172 100
171 35.9 28.6 42.8
170 24.1 19.3 28.9

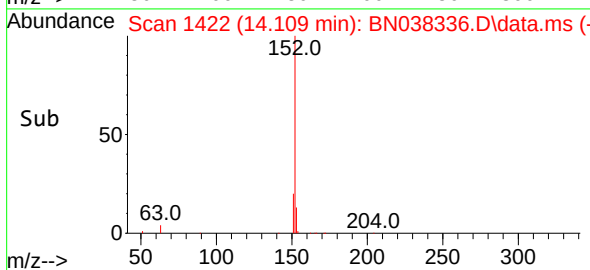
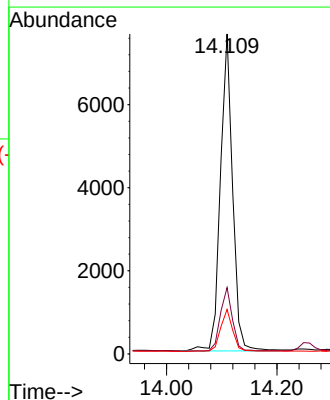
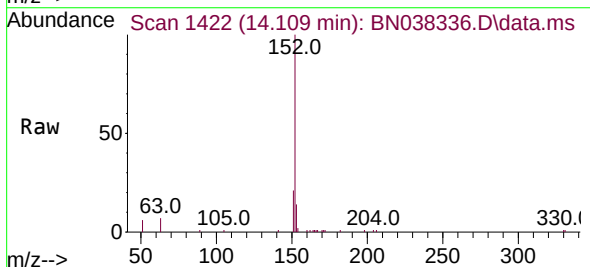
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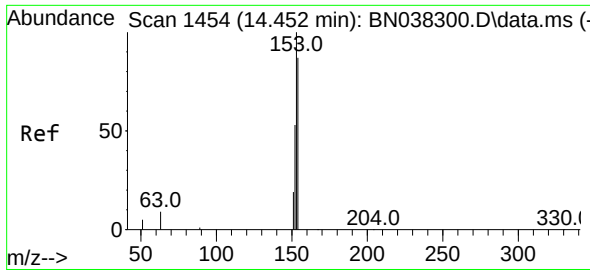
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#16
Acenaphthylene
Concen: 0.317 ng
RT: 14.109 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

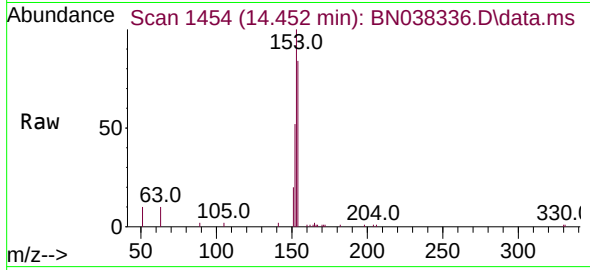
Tgt Ion:152 Resp: 11781
Ion Ratio Lower Upper
152 100
151 19.8 15.4 23.2
153 13.3 10.2 15.4





#17
Acenaphthene
Concen: 0.276 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

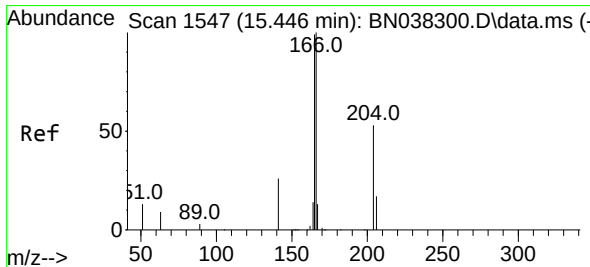
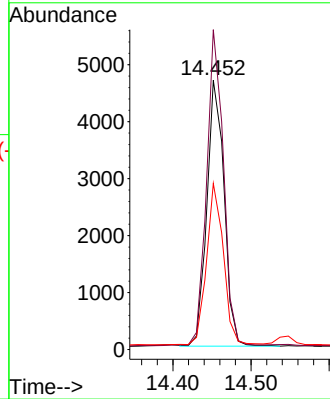
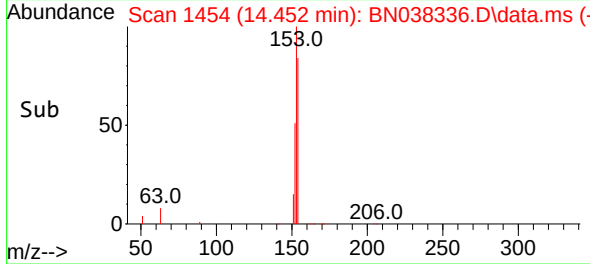
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion:154 Resp: 7145
Ion Ratio Lower Upper
154 100
153 116.5 89.8 134.8
152 59.4 47.5 71.3

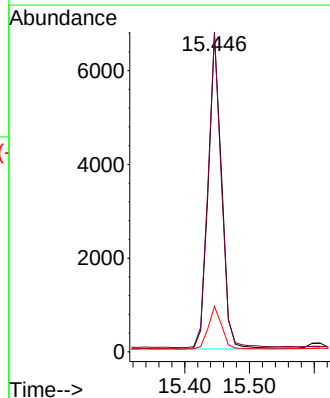
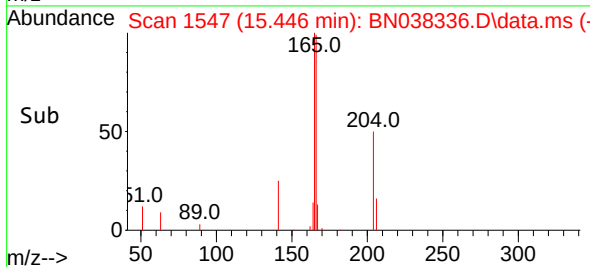
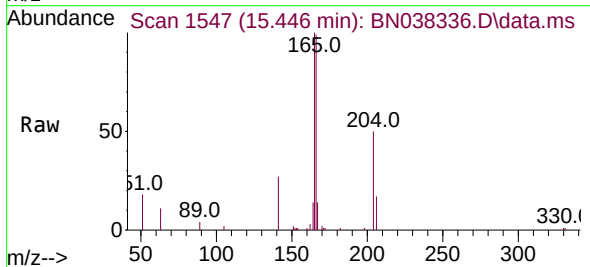
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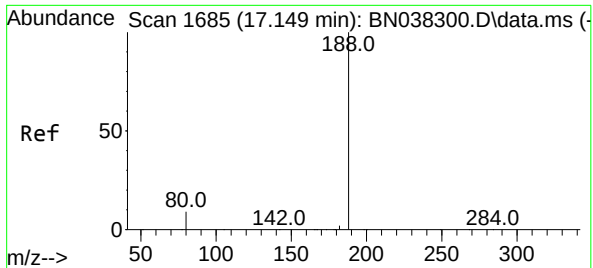
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#18
Fluorene
Concen: 0.299 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

Tgt Ion:166 Resp: 9986
Ion Ratio Lower Upper
166 100
165 98.5 80.2 120.4
167 13.6 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1685

Delta R.T. -0.000 min

Lab File: BN038336.D

Acq: 12 Dec 2025 03:37

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525MSD

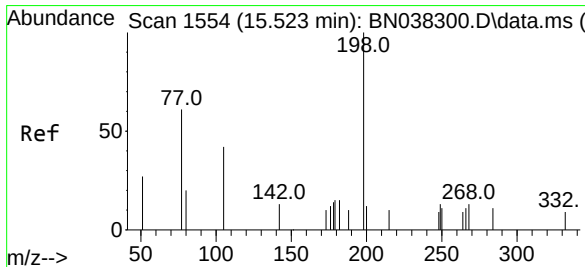
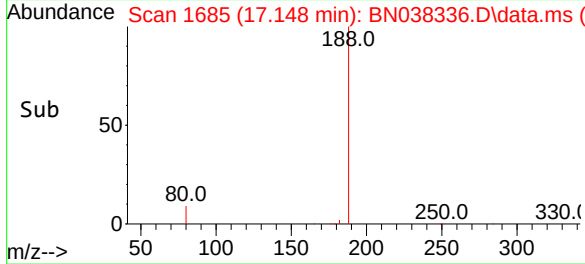
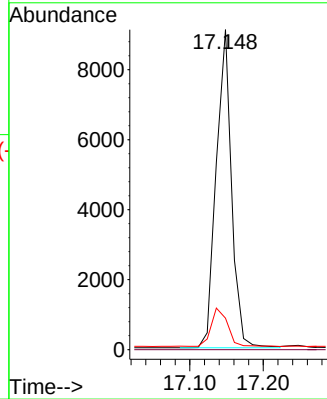
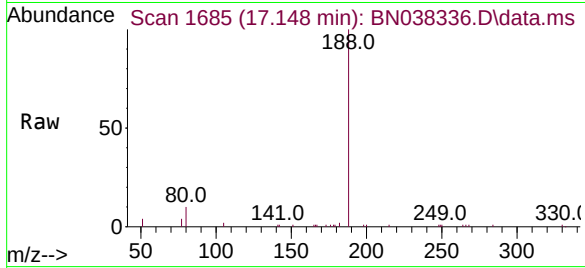
Tgt Ion:	188	Resp:	13283
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.8	7.4	11.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 12/12/2025



#20

4,6-Dinitro-2-methylphenol

Concen: 0.132 ng

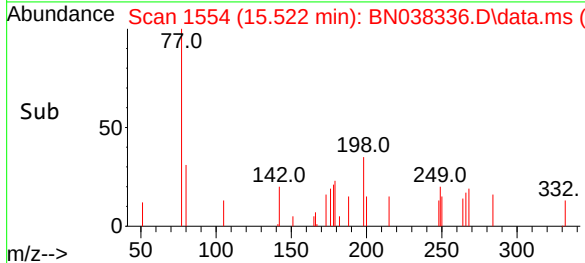
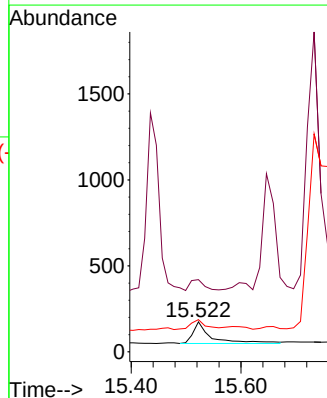
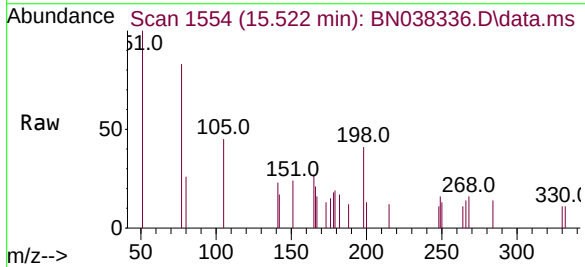
RT: 15.522 min Scan# 1554

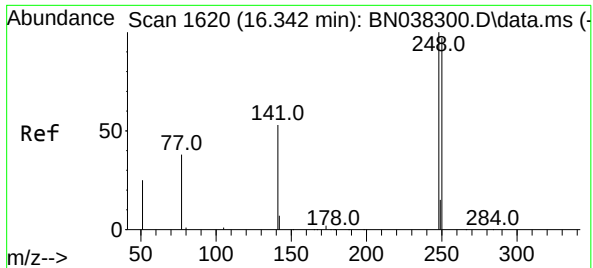
Delta R.T. 0.000 min

Lab File: BN038336.D

Acq: 12 Dec 2025 03:37

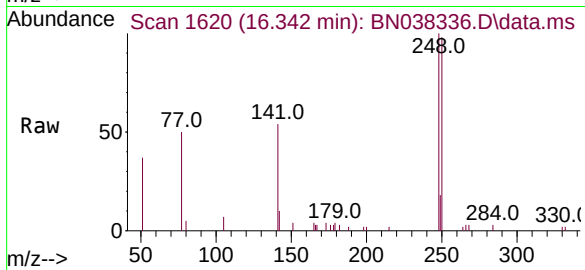
Tgt Ion:	198	Resp:	288
Ion Ratio	Lower	Upper	
198	100		
51	241.4	86.3	129.5#
105	107.5	45.3	67.9#





#21
4-Bromophenyl-phenylether
Concen: 0.308 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

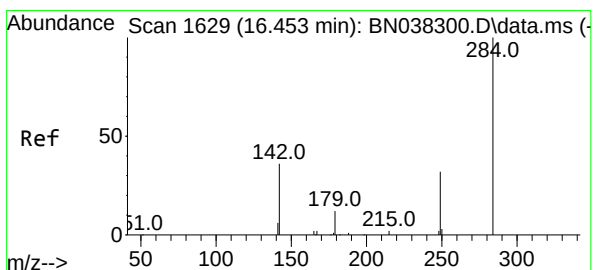
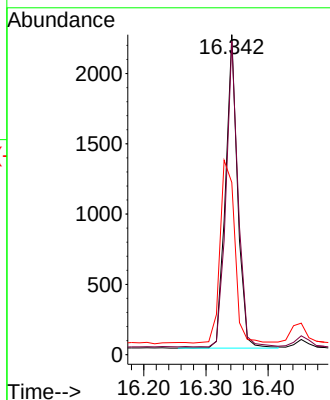
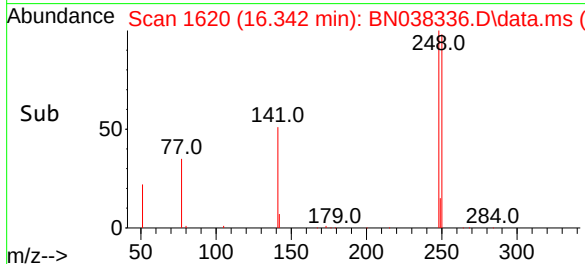
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion:248 Resp: 3033
Ion Ratio Lower Upper
248 100
250 97.9 78.2 117.2
141 53.8 43.7 65.5

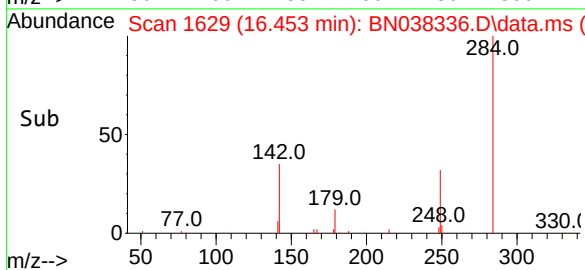
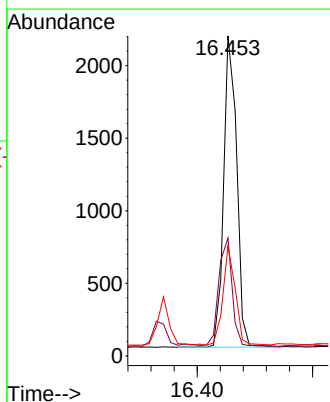
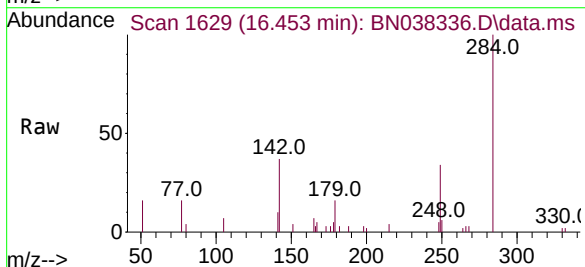
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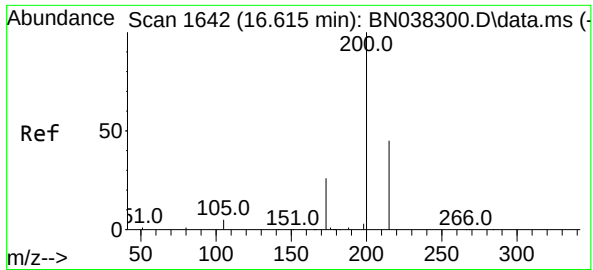
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#22
Hexachlorobenzene
Concen: 0.283 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

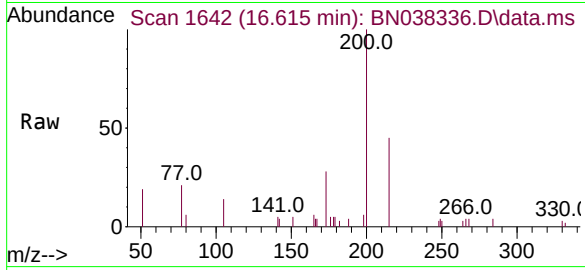
Tgt Ion:284 Resp: 3347
Ion Ratio Lower Upper
284 100
142 36.0 29.5 44.3
249 30.1 23.7 35.5





#23
Atrazine
Concen: 0.354 ng
RT: 16.615 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

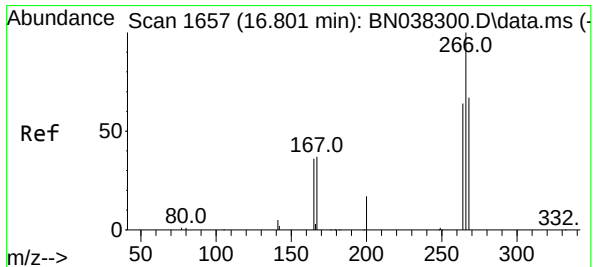
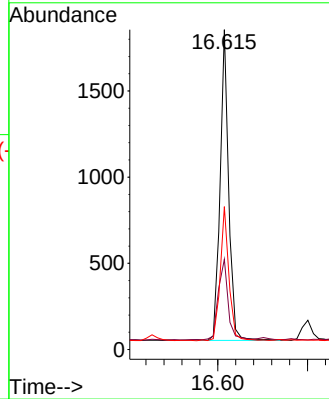
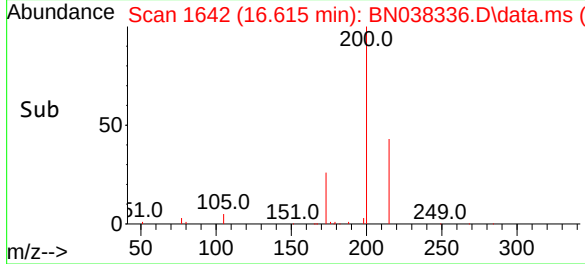
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion:200 Resp: 2379
Ion Ratio Lower Upper
200 100
173 28.2 22.1 33.1
215 44.7 37.4 56.2

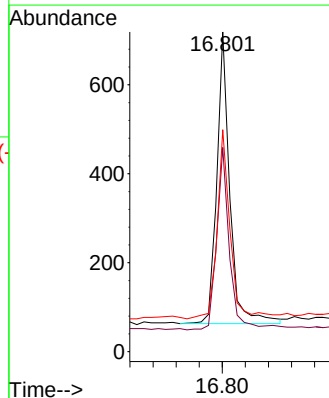
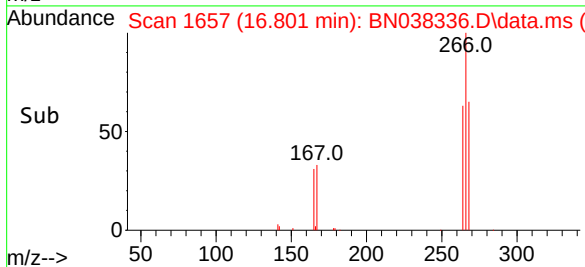
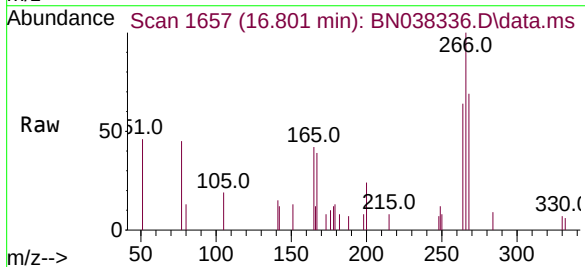
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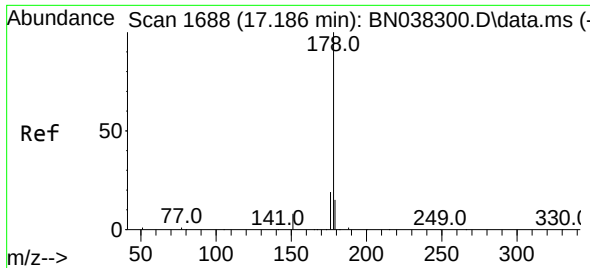
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#24
Pentachlorophenol
Concen: 0.222 ng
RT: 16.801 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

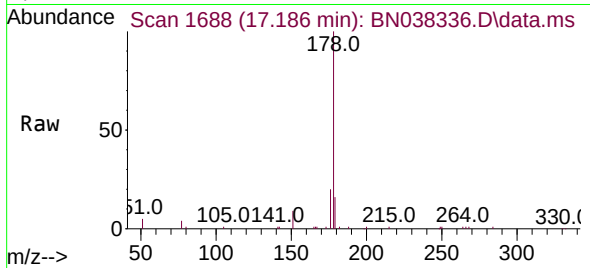
Tgt Ion:266 Resp: 1026
Ion Ratio Lower Upper
266 100
264 63.0 50.2 75.2
268 65.5 52.6 78.8





#25
Phenanthrene
Concen: 0.321 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

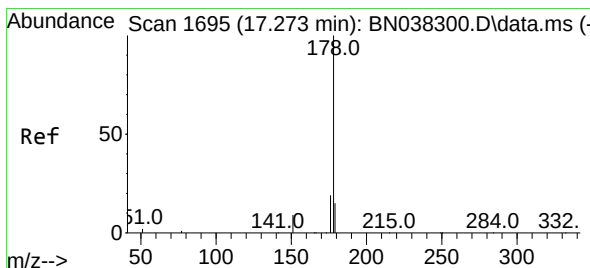
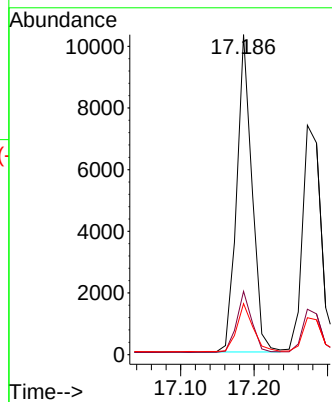
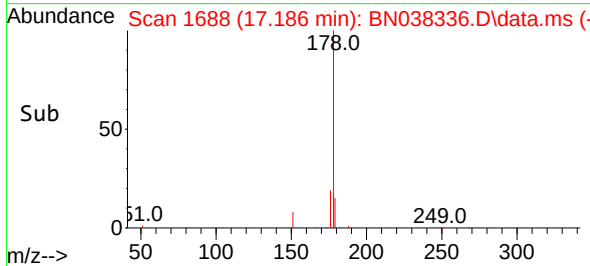
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion:178 Resp: 1485
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 16.4 12.2 18.2

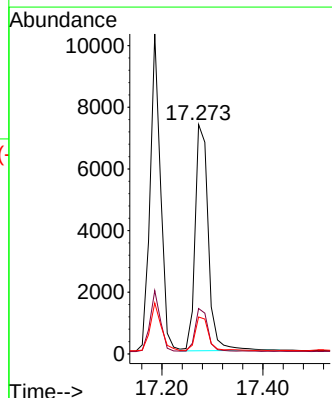
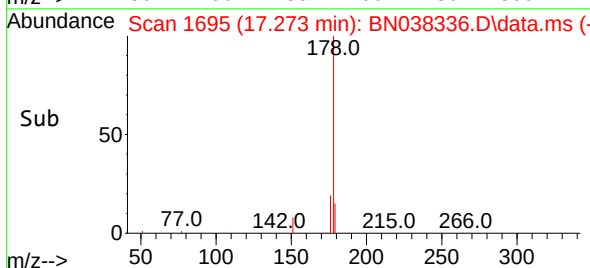
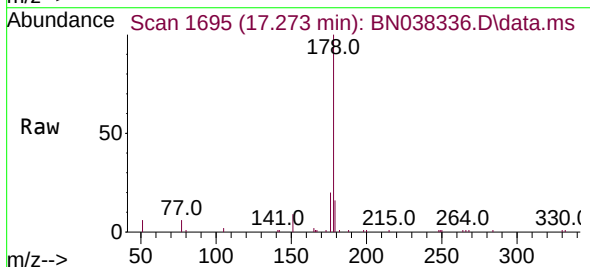
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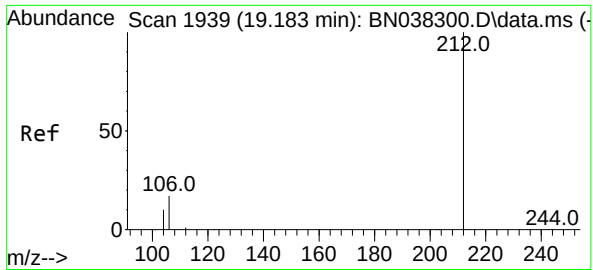
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#26
Anthracene
Concen: 0.333 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

Tgt Ion:178 Resp: 13279
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.1 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.346 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038336.D

Acq: 12 Dec 2025 03:37

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525MSD

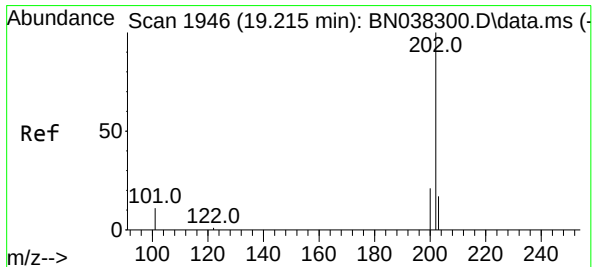
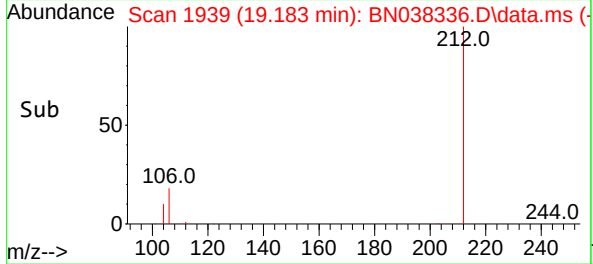
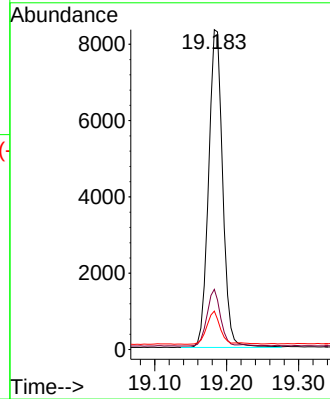
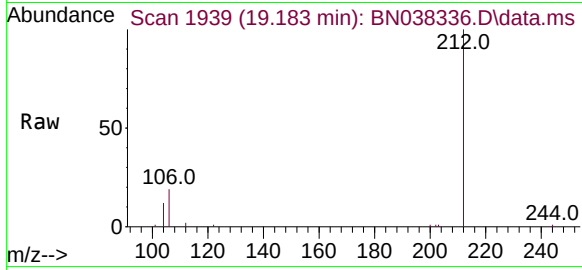
Tgt Ion:	212	Resp:	11358
Ion Ratio	Lower	Upper	
212	100		
106	17.0	13.7	20.5
104	9.7	7.8	11.8

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Reviewed By :Rahul Chavli 12/12/2025

Supervised By :Jagrut Upadhyay 12/12/2025



#28

Fluoranthene

Concen: 0.322 ng

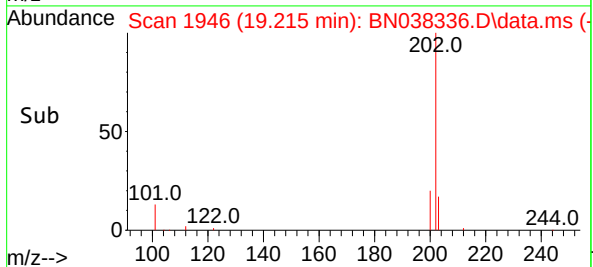
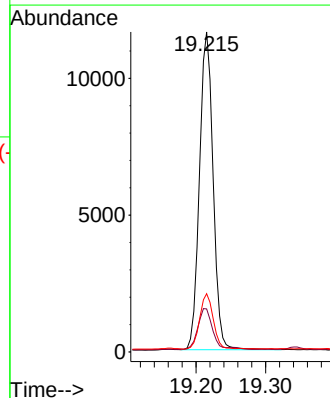
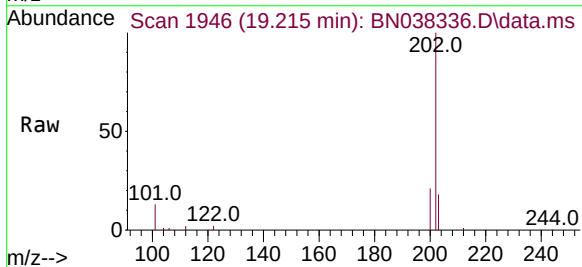
RT: 19.215 min Scan# 1946

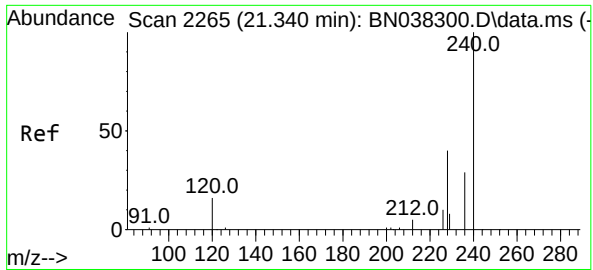
Delta R.T. -0.005 min

Lab File: BN038336.D

Acq: 12 Dec 2025 03:37

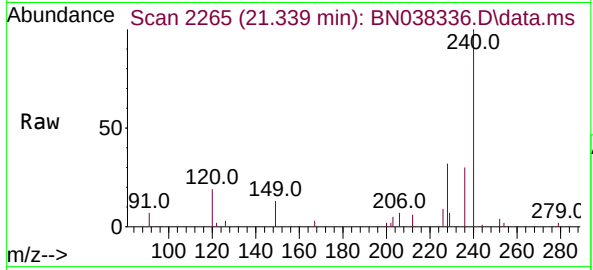
Tgt Ion:	202	Resp:	15808
Ion Ratio	Lower	Upper	
202	100		
101	13.5	9.6	14.4
203	17.3	13.5	20.3





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.339 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

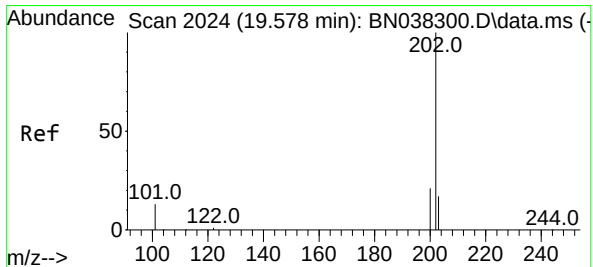
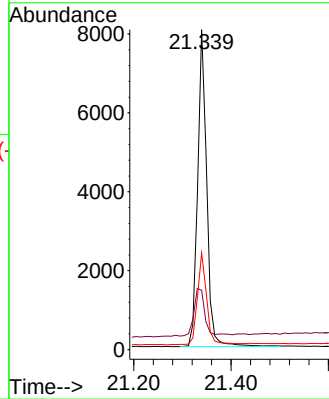
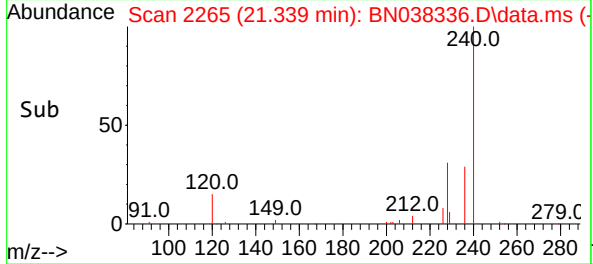
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion:240 Resp: 1045
Ion Ratio Lower Upper
240 100
120 18.5 15.4 23.2
236 30.3 23.9 35.9

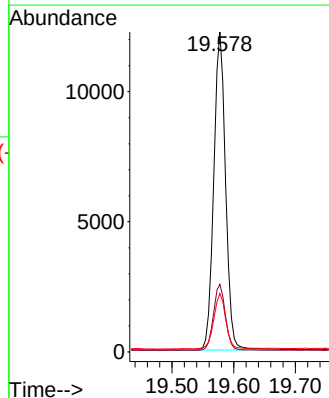
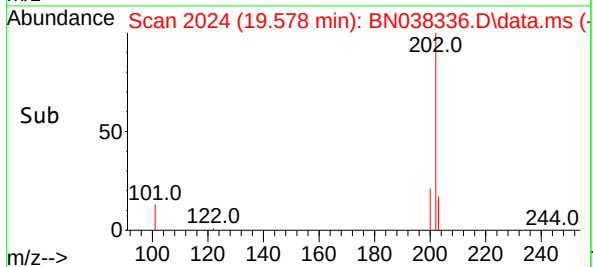
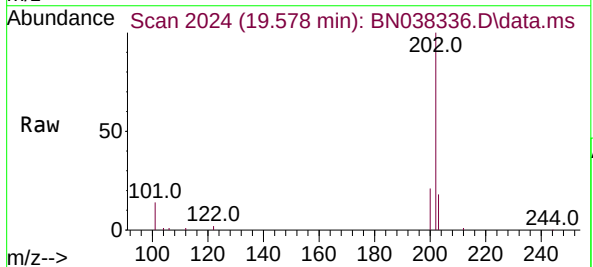
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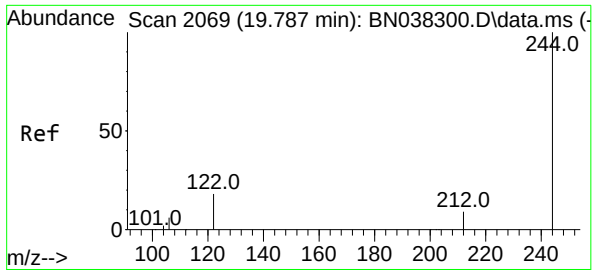
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#30
Pyrene
Concen: 0.317 ng
RT: 19.578 min Scan# 2024
Delta R.T. -0.005 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

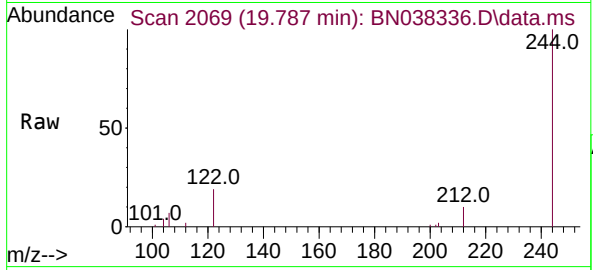
Tgt Ion:202 Resp: 16321
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 17.3 14.2 21.2





#31
Terphenyl-d14
Concen: 0.383 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

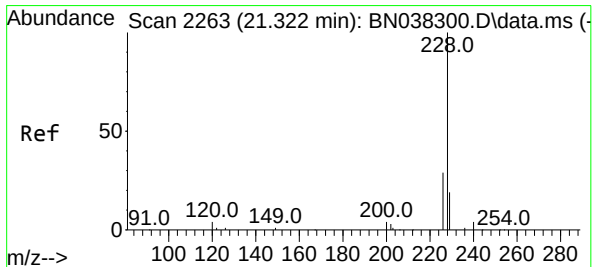
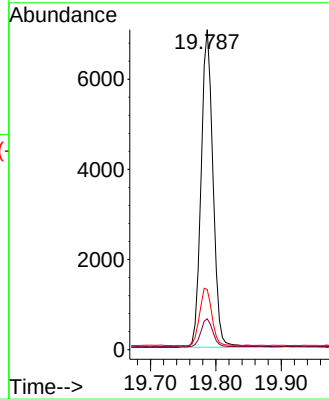
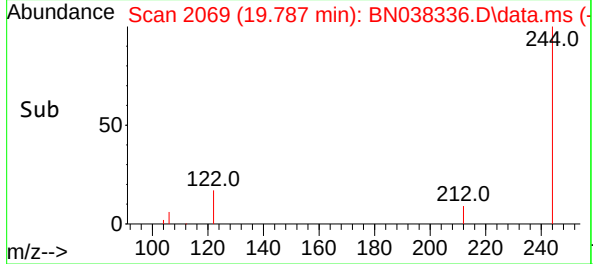
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion:244 Resp: 8928
Ion Ratio Lower Upper
244 100
212 9.6 7.9 11.9
122 18.8 15.0 22.6

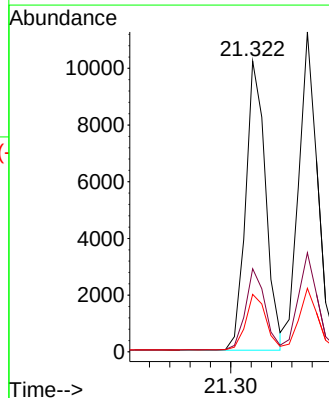
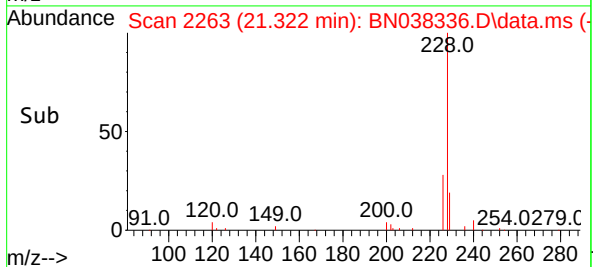
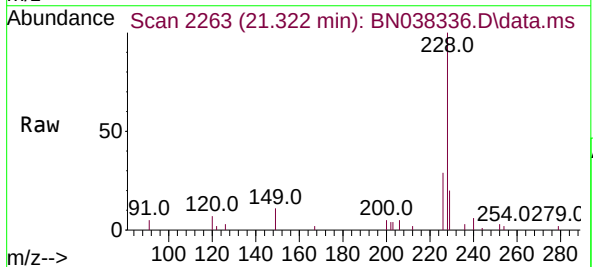
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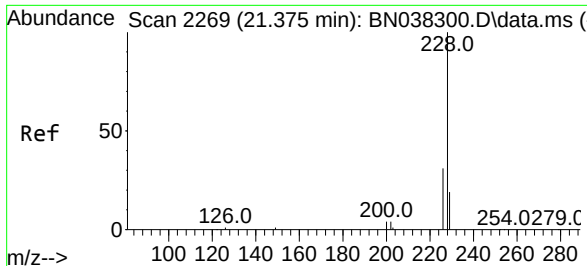
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#32
Benzo(a)anthracene
Concen: 0.345 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

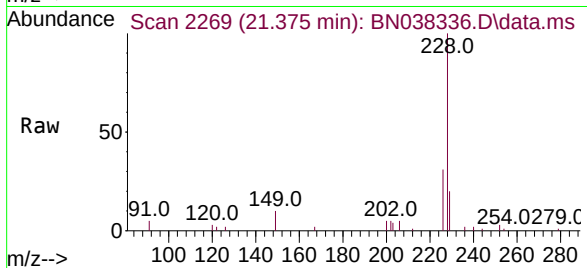
Tgt Ion:228 Resp: 13927
Ion Ratio Lower Upper
228 100
226 28.6 23.3 34.9
229 19.8 15.7 23.5





#33
Chrysene
Concen: 0.335 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

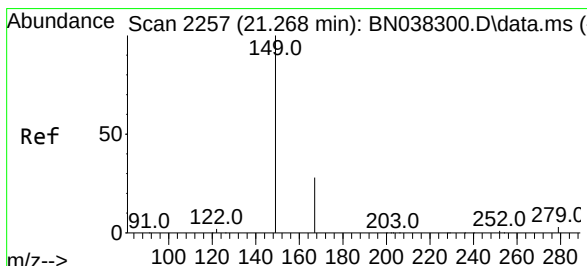
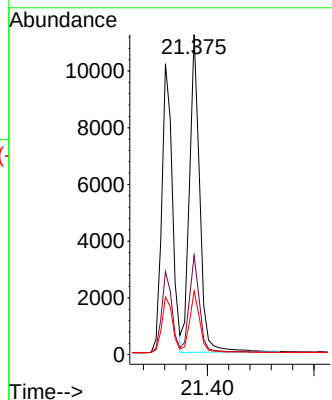
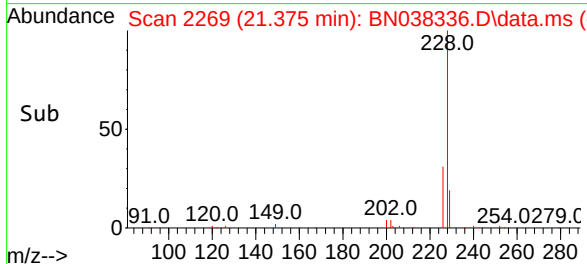
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion:228 Resp: 14900
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.4
229 19.9 15.5 23.3

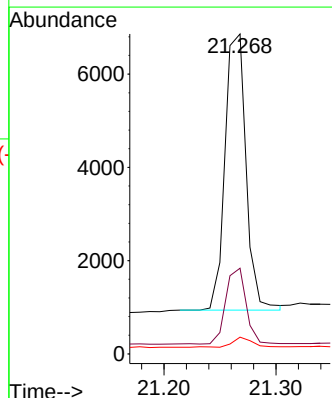
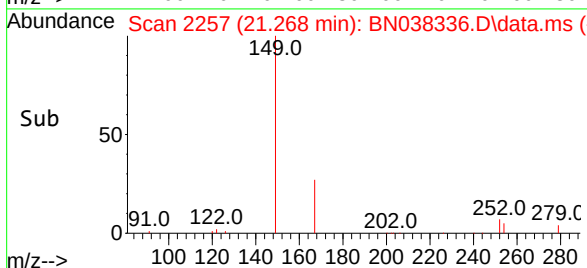
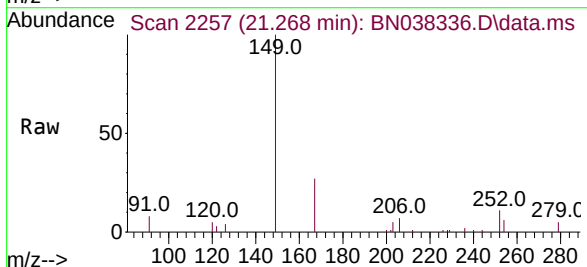
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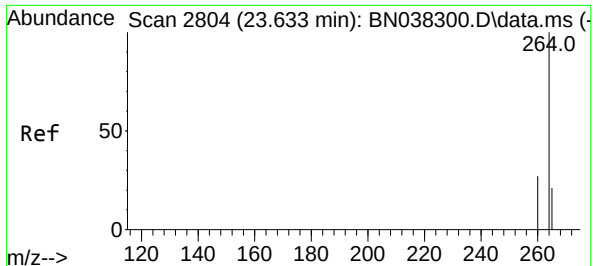
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.349 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

Tgt Ion:149 Resp: 7739
Ion Ratio Lower Upper
149 100
167 26.4 21.4 32.0
279 3.5 2.4 3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.630 min Scan# 2803

Delta R.T. -0.003 min

Lab File: BN038336.D

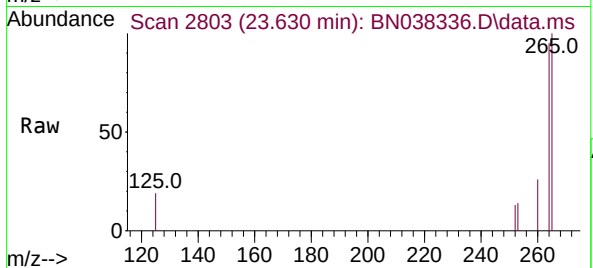
Acq: 12 Dec 2025 03:37

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525MSD



Tgt Ion:264 Resp: 10825

Ion Ratio Lower Upper

264 100

260 26.9 22.2 33.2

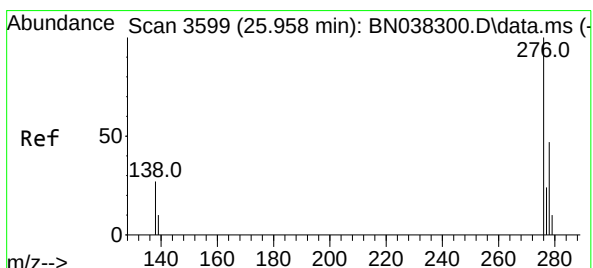
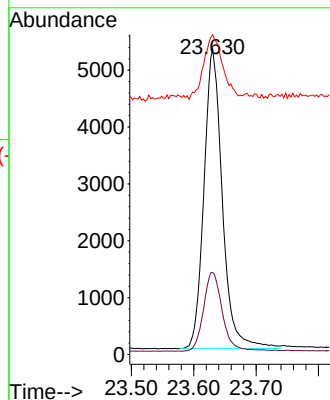
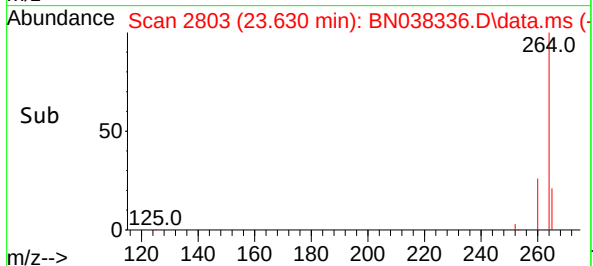
265 104.7 80.2 120.2

Manual Integrations

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Reviewed By :Rahul Chavli 12/12/2025

Supervised By :Jagrut Upadhyay 12/12/2025



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.325 ng

RT: 25.955 min Scan# 3598

Delta R.T. -0.009 min

Lab File: BN038336.D

Acq: 12 Dec 2025 03:37

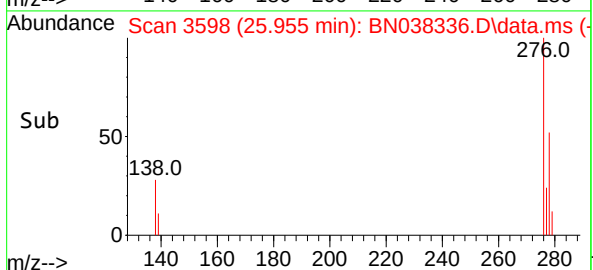
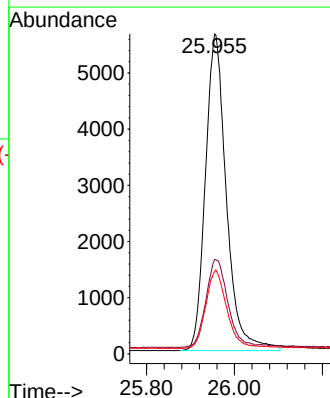
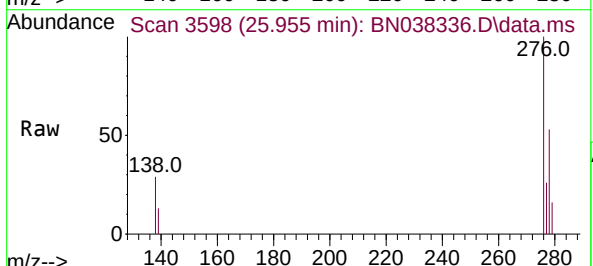
Tgt Ion:276 Resp: 18655

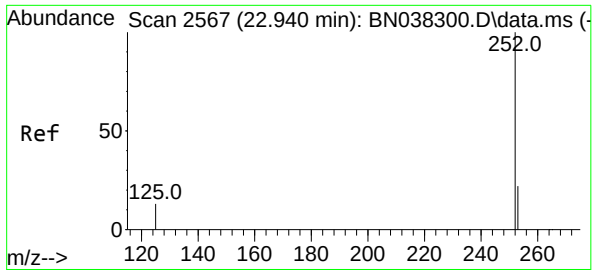
Ion Ratio Lower Upper

276 100

138 29.0 23.6 35.4

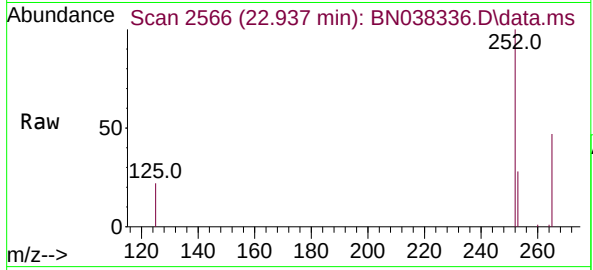
277 25.1 19.7 29.5





#37
Benzo(b)fluoranthene
Concen: 0.308 ng
RT: 22.937 min Scan# 2566
Delta R.T. -0.009 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

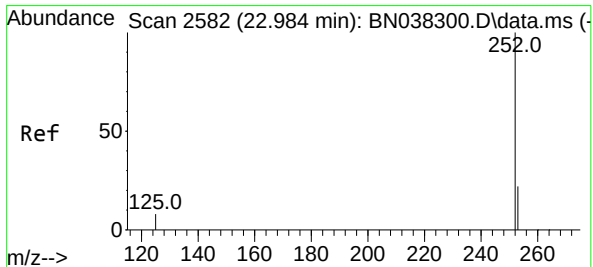
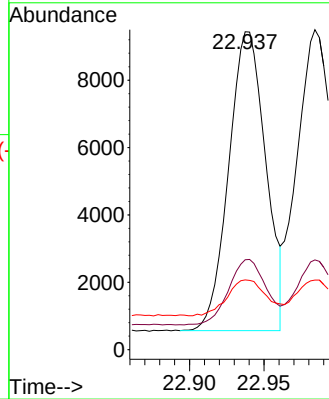
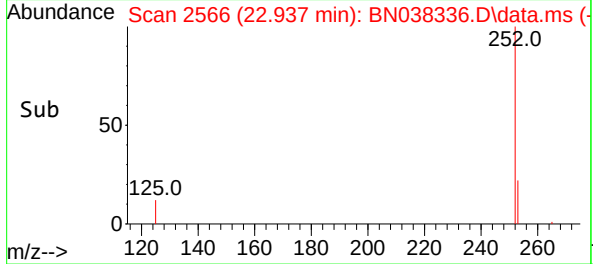
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD



Tgt Ion:252 Resp: 15326
Ion Ratio Lower Upper
252 100
253 28.3 21.1 31.7
125 21.9 16.4 24.6

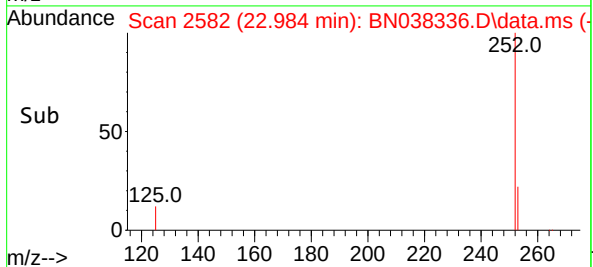
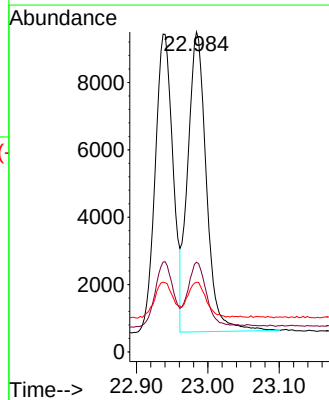
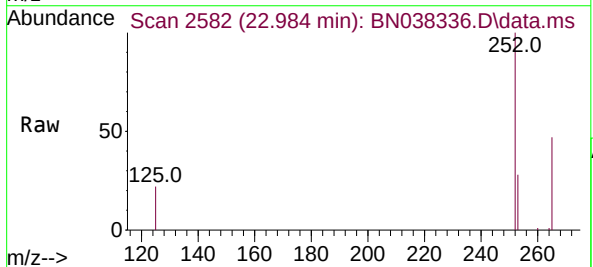
Manual Integrations
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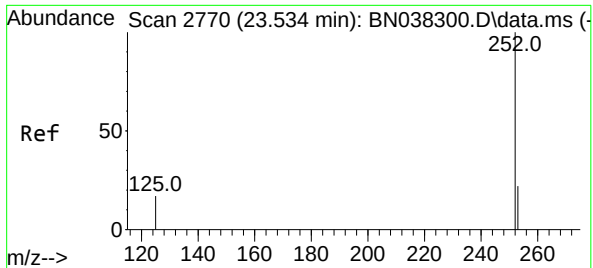
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



#38
Benzo(k)fluoranthene
Concen: 0.326 ng
RT: 22.984 min Scan# 2582
Delta R.T. -0.006 min
Lab File: BN038336.D
Acq: 12 Dec 2025 03:37

Tgt Ion:252 Resp: 16149
Ion Ratio Lower Upper
252 100
253 28.0 21.4 32.0
125 21.7 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.334 ng

RT: 23.528 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN038336.D

Acq: 12 Dec 2025 03:37

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525MSD

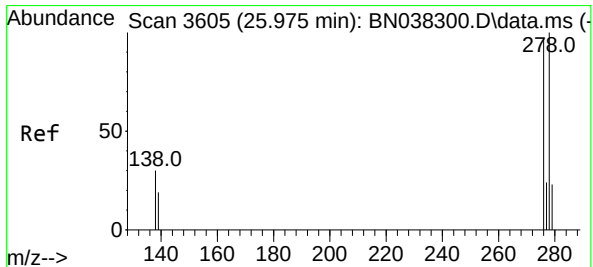
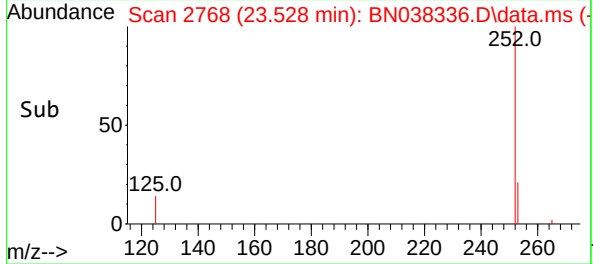
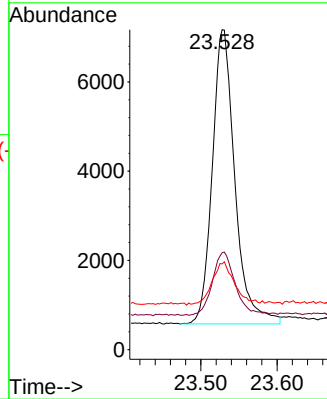
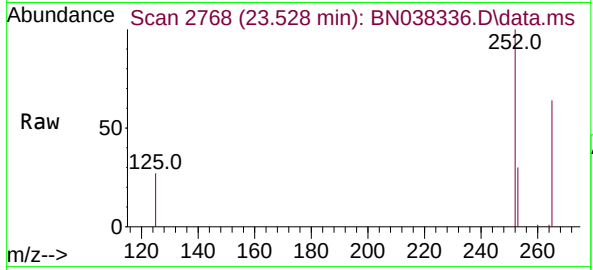
Tgt Ion:	252	Resp:	13609
Ion Ratio	Lower	Upper	
252	100		
253	30.3	23.3	34.9
125	26.8	22.4	33.6

Manual Integrations

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Reviewed By :Rahul Chavli 12/12/2025

Supervised By :Jagrut Upadhyay 12/12/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.331 ng

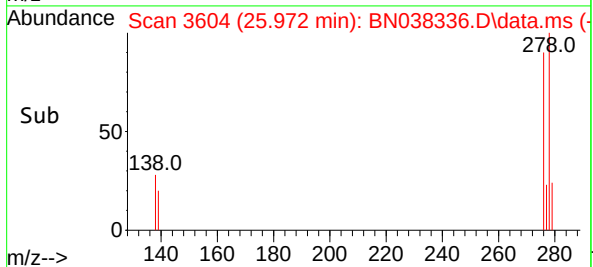
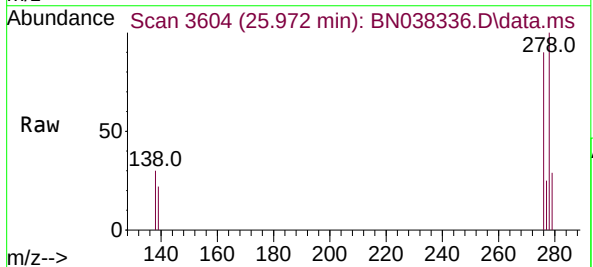
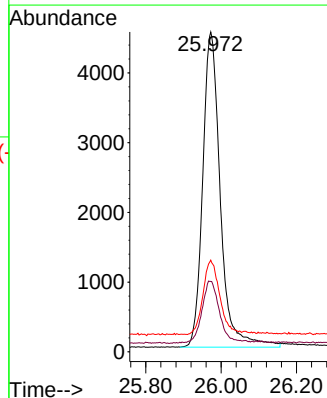
RT: 25.972 min Scan# 3604

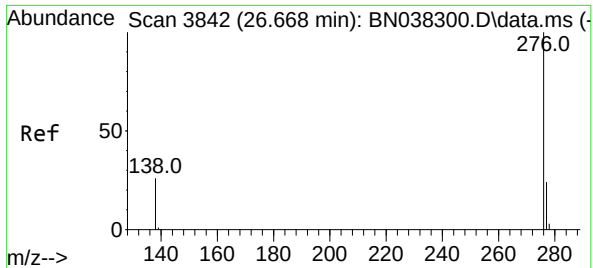
Delta R.T. -0.009 min

Lab File: BN038336.D

Acq: 12 Dec 2025 03:37

Tgt Ion:	278	Resp:	14664
Ion Ratio	Lower	Upper	
278	100		
139	22.0	17.8	26.8
279	28.7	21.3	31.9





#41

Benzo(g,h,i)perylene

Concen: 0.324 ng

RT: 26.665 min Scan# 3841

Delta R.T. -0.012 min

Lab File: BN038336.D

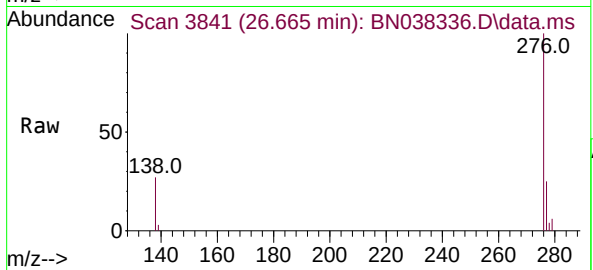
Acq: 12 Dec 2025 03:37

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525MSD



Tgt Ion:276 Resp: 16053

Ion Ratio Lower Upper

276 100

277 24.8 20.0 30.0

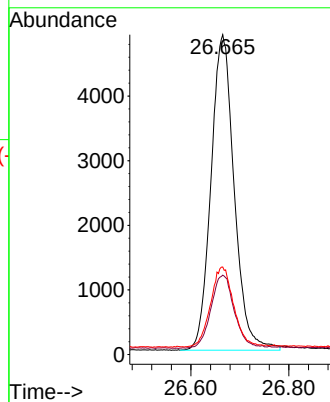
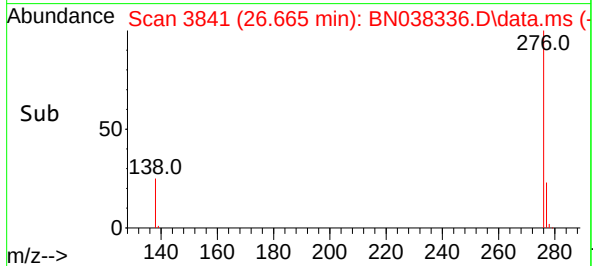
138 27.4 21.8 32.6

Manual Integrations

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Reviewed By :Rahul Chavli 12/12/2025

Supervised By :Jagrut Upadhyay 12/12/2025





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Manual Integration Report

Sequence:

BN121025

Instrument

BNA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	BN121125	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170850BS	BN038327.D	2-Methylnaphthalene-d10	rahul	12/12/2025 10:27:16 AM	Jagrut	12/12/2025 2:27:05 PM	Peak Integrated by Software
Q3788-02MS	BN038335.D	2-Methylnaphthalene-d10	rahul	12/12/2025 10:27:20 AM	Jagrut	12/12/2025 2:27:07 PM	Peak Integrated by Software
Q3788-03MSD	BN038336.D	2-Methylnaphthalene-d10	rahul	12/12/2025 10:27:24 AM	Jagrut	12/12/2025 2:27:09 PM	Peak Integrated by Software



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Manual Integration Report

Sequence:

BN121225

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 # BN121025

Review By	rahul	Review On	12/11/2025 4:30:54 PM
Supervise By	mohammad	Supervise On	12/13/2025 12:56:07 AM
SubDirectory	BN121025	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN121025
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940		
CCC	SP6945		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6949		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038297.D	10 Dec 2025 09:12	RC/JU	Ok
2	SSTDICC0.1	BN038298.D	10 Dec 2025 09:52	RC/JU	Ok
3	SSTDICC0.2	BN038299.D	10 Dec 2025 10:28	RC/JU	Ok
4	SSTDICCC0.4	BN038300.D	10 Dec 2025 11:05	RC/JU	Ok
5	SSTDICC0.8	BN038301.D	10 Dec 2025 11:41	RC/JU	Ok
6	SSTDICC1.6	BN038302.D	10 Dec 2025 12:17	RC/JU	Ok
7	SSTDICC3.2	BN038303.D	10 Dec 2025 12:53	RC/JU	Ok
8	SSTDICC5.0	BN038304.D	10 Dec 2025 13:30	RC/JU	Ok
9	SSTDICV0.4	BN038305.D	10 Dec 2025 14:06	RC/JU	Ok
10	PB170590BL	BN038306.D	10 Dec 2025 14:42	RC/JU	Ok
11	Q3483-11	BN038307.D	10 Dec 2025 15:18	RC/JU	Dilution
12	Q3483-11DL	BN038308.D	10 Dec 2025 15:54	RC/JU	Ok,M
13	SSTDCCC0.4	BN038309.D	10 Dec 2025 17:15	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN121125

Review By	rahul	Review On	12/11/2025 4:31:02 PM
Supervise By	Jagrut	Supervise On	12/12/2025 2:27:51 PM
SubDirectory	BN121125	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN121025
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940		
CCC	SP6945		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6949		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038310.D	11 Dec 2025 10:33	RC/JU	Ok
2	SSTDCCC0.4	BN038311.D	11 Dec 2025 11:13	RC/JU	Ok
3	PB170850BL	BN038312.D	11 Dec 2025 11:49	RC/JU	Ok
4	Q3757-03	BN038313.D	11 Dec 2025 12:25	RC/JU	Dilution
5	Q3757-05	BN038314.D	11 Dec 2025 13:01	RC/JU	Ok
6	Q3757-07	BN038315.D	11 Dec 2025 13:38	RC/JU	Ok
7	Q3757-09	BN038316.D	11 Dec 2025 14:14	RC/JU	Ok
8	Q3757-11	BN038317.D	11 Dec 2025 14:50	RC/JU	Ok
9	Q3787-07	BN038318.D	11 Dec 2025 15:27	RC/JU	Ok
10	Q3787-09	BN038319.D	11 Dec 2025 16:03	RC/JU	Ok
11	Q3787-11	BN038320.D	11 Dec 2025 16:39	RC/JU	Ok
12	Q3787-13	BN038321.D	11 Dec 2025 17:15	RC/JU	Ok
13	Q3787-15	BN038322.D	11 Dec 2025 17:52	RC/JU	Ok
14	Q3787-17	BN038323.D	11 Dec 2025 18:28	RC/JU	Ok
15	Q3787-19	BN038324.D	11 Dec 2025 19:04	RC/JU	Ok
16	Q3788-07	BN038325.D	11 Dec 2025 19:40	RC/JU	Ok
17	Q3788-11	BN038326.D	11 Dec 2025 20:16	RC/JU	Ok
18	PB170850BS	BN038327.D	11 Dec 2025 20:52	RC/JU	Ok,M
19	SSTDCCC0.4	BN038328.D	11 Dec 2025 21:28	RC/JU	Ok
20	DFTPP	BN038329.D	11 Dec 2025 23:20	RC/JU	Ok
21	SSTDCCC0.4	BN038330.D	11 Dec 2025 23:59	RC/JU	Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN121125

Review By	rahul	Review On	12/11/2025 4:31:02 PM
Supervise By	Jagrut	Supervise On	12/12/2025 2:27:51 PM
SubDirectory	BN121125	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN121025
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940		
CCC	SP6945		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6949		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB170850BL	BN038331.D	12 Dec 2025 00:36	RC/JU	Not Ok
23	Q3756-03DL	BN038332.D	12 Dec 2025 01:13	RC/JU	Ok
24	Q3757-03DL	BN038333.D	12 Dec 2025 01:49	RC/JU	Ok
25	Q3788-01	BN038334.D	12 Dec 2025 02:25	RC/JU	Dilution
26	Q3788-02MS	BN038335.D	12 Dec 2025 03:01	RC/JU	Ok,M
27	Q3788-03MSD	BN038336.D	12 Dec 2025 03:37	RC/JU	Ok,M
28	Q3787-01	BN038337.D	12 Dec 2025 04:13	RC/JU	Ok
29	Q3787-02MS	BN038338.D	12 Dec 2025 04:49	RC/JU	Ok,M
30	Q3787-03MSD	BN038339.D	12 Dec 2025 05:25	RC/JU	Ok,M
31	Q3788-09	BN038340.D	12 Dec 2025 06:02	RC/JU	Ok
32	SSTDCCC0.4	BN038341.D	12 Dec 2025 06:38	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN121025
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940		
CCC	SP6945		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6949		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038342.D	12 Dec 2025 08:45	RC/JU	Ok
2	SSTDCCC0.4	BN038343.D	12 Dec 2025 09:24	RC/JU	Ok
3	PB170912BL	BN038344.D	12 Dec 2025 10:00	RC/JU	Ok
4	Q3788-01DL	BN038345.D	12 Dec 2025 10:36	RC/JU	Ok
5	Q3813-01	BN038346.D	12 Dec 2025 11:12	RC/JU	Ok
6	Q3813-03	BN038347.D	12 Dec 2025 11:49	RC/JU	Ok
7	Q3828-01	BN038348.D	12 Dec 2025 12:25	RC/JU	Ok
8	Q3828-03	BN038349.D	12 Dec 2025 13:01	RC/JU	Ok,M
9	Q3828-05	BN038350.D	12 Dec 2025 13:38	RC/JU	Dilution
10	Q3828-06	BN038351.D	12 Dec 2025 14:14	RC/JU	Ok
11	Q3828-08	BN038352.D	12 Dec 2025 15:26	RC/JU	Ok
12	Q3835-01	BN038353.D	12 Dec 2025 16:02	RC/JU	Ok
13	Q3835-02	BN038354.D	12 Dec 2025 16:38	RC/JU	Ok
14	Q3835-04	BN038355.D	12 Dec 2025 17:14	RC/JU	Dilution
15	Q3835-05	BN038356.D	12 Dec 2025 17:50	RC/JU	Ok
16	PB170912BS	BN038357.D	12 Dec 2025 18:27	RC/JU	Ok,M
17	PB170912BSD	BN038358.D	12 Dec 2025 19:03	RC/JU	Ok,M
18	SSTDCCC0.4	BN038359.D	12 Dec 2025 20:16	RC/JU	Ok
19	DFTPP	BN038360.D	12 Dec 2025 21:31	RC/JU	Ok
20	SSTDCCC0.4	BN038361.D	12 Dec 2025 22:10	RC/JU	Ok
21	PB170917BL	BN038362.D	12 Dec 2025 22:47	RC/JU	ReRun

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN121025
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940		
CCC	SP6945		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6949		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q3839-01	BN038363.D	12 Dec 2025 23:24	RC/JU	ReRun
23	Q3839-02	BN038364.D	13 Dec 2025 00:00	RC/JU	ReRun
24	Q3839-03MS	BN038365.D	13 Dec 2025 00:37	RC/JU	ReRun
25	Q3839-04MSD	BN038366.D	13 Dec 2025 01:13	RC/JU	ReRun
26	Q3839-05	BN038367.D	13 Dec 2025 01:50	RC/JU	ReRun
27	Q3839-06	BN038368.D	13 Dec 2025 02:27	RC/JU	ReRun
28	Q3839-07	BN038369.D	13 Dec 2025 03:03	RC/JU	ReRun
29	Q3839-08	BN038370.D	13 Dec 2025 03:40	RC/JU	ReRun
30	Q3839-11	BN038371.D	13 Dec 2025 04:16	RC/JU	ReRun
31	Q3839-12	BN038372.D	13 Dec 2025 04:53	RC/JU	ReRun
32	Q3839-13	BN038373.D	13 Dec 2025 05:29	RC/JU	ReRun
33	Q3839-14	BN038374.D	13 Dec 2025 06:06	RC/JU	ReRun
34	Q3839-15	BN038375.D	13 Dec 2025 06:42	RC/JU	ReRun
35	Q3839-16	BN038376.D	13 Dec 2025 07:18	RC/JU	ReRun
36	PB170917BS	BN038377.D	13 Dec 2025 07:55	RC/JU	Ok,M
37	SSTDCCC0.4	BN038378.D	13 Dec 2025 09:08	RC/JU	Ok
38	DFTPP	BN038379.D	13 Dec 2025 10:24	RC/JU	Ok
39	SSTDCCC0.4	BN038380.D	13 Dec 2025 11:03	RC/JU	Ok
40	PB170919BL	BN038381.D	13 Dec 2025 11:39	RC/JU	Not Ok
41	Q3828-05DL	BN038382.D	13 Dec 2025 12:16	RC/JU	Ok
42	Q3839-17	BN038383.D	13 Dec 2025 12:52	RC/JU	Ok
43	Q3839-18	BN038384.D	13 Dec 2025 13:28	RC/JU	Not Ok
44	Q3839-19MS	BN038385.D	13 Dec 2025 14:04	RC/JU	Not Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN121025
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940		
CCC	SP6945		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6949		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	Q3839-19MSD	BN038386.D	13 Dec 2025 14:40	RC/JU	Not Ok
46	Q3839-09	BN038387.D	13 Dec 2025 15:16	RC/JU	Ok,M
47	Q3839-10	BN038388.D	13 Dec 2025 15:52	RC/JU	Dilution
48	Q3839-21	BN038389.D	13 Dec 2025 16:28	RC/JU	Not Ok
49	Q3839-22	BN038390.D	13 Dec 2025 17:04	RC/JU	Not Ok
50	Q3839-23	BN038391.D	13 Dec 2025 17:41	RC/JU	Not Ok
51	Q3839-24	BN038392.D	13 Dec 2025 18:17	RC/JU	Not Ok
52	Q3839-25	BN038393.D	13 Dec 2025 18:54	RC/JU	Not Ok
53	Q3839-26	BN038394.D	13 Dec 2025 19:30	RC/JU	Not Ok
54	PB170919BS	BN038395.D	13 Dec 2025 20:06	RC/JU	Not Ok
55	SSTDCCC0.4	BN038396.D	13 Dec 2025 21:18	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121025

Review By	rahul	Review On	12/11/2025 4:30:54 PM
Supervise By	mohammad	Supervise On	12/13/2025 12:56:07 AM
SubDirectory	BN121025	HP Acquire Method	BNA_N, 8270_HP Processing Method BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038297.D	10 Dec 2025 09:12		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN038298.D	10 Dec 2025 09:52		RC/JU	Ok
3	SSTDICC0.2	SSTDICC0.2	BN038299.D	10 Dec 2025 10:28		RC/JU	Ok
4	SSTDICCC0.4	SSTDICCC0.4	BN038300.D	10 Dec 2025 11:05		RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN038301.D	10 Dec 2025 11:41		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN038302.D	10 Dec 2025 12:17		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN038303.D	10 Dec 2025 12:53		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN038304.D	10 Dec 2025 13:30	Comp# 20 (4,6-Dinitro-2-methylphenol) removed from 5.0 ng level	RC/JU	Ok
9	SSTDICV0.4	ICVBN121025	BN038305.D	10 Dec 2025 14:06		RC/JU	Ok
10	PB170590BL	PB170590BL	BN038306.D	10 Dec 2025 14:42		RC/JU	Ok
11	Q3483-11	HW1025-PT-BNA-SOIL	BN038307.D	10 Dec 2025 15:18	Need 100X Dilution	RC/JU	Dilution
12	Q3483-11DL	HW1025-PT-BNA-SOIL	BN038308.D	10 Dec 2025 15:54		RC/JU	Ok,M
13	SSTDCCC0.4	SSTDCCC0.4EC	BN038309.D	10 Dec 2025 17:15		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121125

Review By	rahul	Review On	12/11/2025 4:31:02 PM
Supervise By	Jagrut	Supervise On	12/12/2025 2:27:51 PM
SubDirectory	BN121125	HP Acquire Method	BNA_N, 8270_HP Processing Method BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038310.D	11 Dec 2025 10:33		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN038311.D	11 Dec 2025 11:13		RC/JU	Ok
3	PB170850BL	PB170850BL	BN038312.D	11 Dec 2025 11:49		RC/JU	Ok
4	Q3757-03	BR-03D-490-120325	BN038313.D	11 Dec 2025 12:25	Need 10X Dilution	RC/JU	Dilution
5	Q3757-05	MW-14B-46-120325	BN038314.D	11 Dec 2025 13:01		RC/JU	Ok
6	Q3757-07	RMW-05B-90.5-120325	BN038315.D	11 Dec 2025 13:38		RC/JU	Ok
7	Q3757-09	OW-05B-72-120325	BN038316.D	11 Dec 2025 14:14		RC/JU	Ok
8	Q3757-11	EB01-120325	BN038317.D	11 Dec 2025 14:50		RC/JU	Ok
9	Q3787-07	OWBR-02-170-120425	BN038318.D	11 Dec 2025 15:27		RC/JU	Ok
10	Q3787-09	OWBR-02-170-120425	BN038319.D	11 Dec 2025 16:03		RC/JU	Ok
11	Q3787-11	OW-03B-51.5-120425	BN038320.D	11 Dec 2025 16:39		RC/JU	Ok
12	Q3787-13	OW-03B-51.5-120425	BN038321.D	11 Dec 2025 17:15		RC/JU	Ok
13	Q3787-15	OW-08B-72.5-120425	BN038322.D	11 Dec 2025 17:52		RC/JU	Ok
14	Q3787-17	OW-08B-72.5-120425	BN038323.D	11 Dec 2025 18:28		RC/JU	Ok
15	Q3787-19	OW-02B-21.2-120425	BN038324.D	11 Dec 2025 19:04		RC/JU	Ok
16	Q3788-07	OW-01B-66.5-120525	BN038325.D	11 Dec 2025 19:40		RC/JU	Ok
17	Q3788-11	MW-16B-87.5-120525	BN038326.D	11 Dec 2025 20:16		RC/JU	Ok
18	PB170850BS	PB170850BS	BN038327.D	11 Dec 2025 20:52		RC/JU	Ok,M

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121125

Review By	rahul	Review On	12/11/2025 4:31:02 PM
Supervise By	Jagrut	Supervise On	12/12/2025 2:27:51 PM
SubDirectory	BN121125	HP Acquire Method	BNA_N, 8270_HP Processing Method BN121025
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940		
CCC	SP6945		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6949		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	SSTDCCC0.4	SSTDCCC0.4EC	BN038328.D	11 Dec 2025 21:28		RC/JU	Ok
20	DFTPP	DFTPP	BN038329.D	11 Dec 2025 23:20		RC/JU	Ok
21	SSTDCCC0.4	SSTDCCC0.4	BN038330.D	11 Dec 2025 23:59		RC/JU	Ok
22	PB170850BL	PB170850BL	BN038331.D	12 Dec 2025 00:36	Analyzed for contamination check	RC/JU	Not Ok
23	Q3756-03DL	BR-01-190-120225DL	BN038332.D	12 Dec 2025 01:13		RC/JU	Ok
24	Q3757-03DL	BR-03D-490-120325DL	BN038333.D	12 Dec 2025 01:49		RC/JU	Ok
25	Q3788-01	OWBR-05-135-120525	BN038334.D	12 Dec 2025 02:25	Need 10X	RC/JU	Dilution
26	Q3788-02MS	OWBR-05-135-120525	BN038335.D	12 Dec 2025 03:01		RC/JU	Ok,M
27	Q3788-03MSD	OWBR-05-135-120525	BN038336.D	12 Dec 2025 03:37		RC/JU	Ok,M
28	Q3787-01	MW-15B-42.5-120425	BN038337.D	12 Dec 2025 04:13		RC/JU	Ok
29	Q3787-02MS	MW-15B-42.5-120425M	BN038338.D	12 Dec 2025 04:49		RC/JU	Ok,M
30	Q3787-03MSD	MW-15B-42.5-120425M	BN038339.D	12 Dec 2025 05:25		RC/JU	Ok,M
31	Q3788-09	BR-05-465-120525	BN038340.D	12 Dec 2025 06:02		RC/JU	Ok
32	SSTDCCC0.4	SSTDCCC0.4EC	BN038341.D	12 Dec 2025 06:38		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	HP Acquire Method	BNA_N, 8270_HP Processing Method BN121025

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6875 SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6945 SP6907,10ul/1000ul sample SP6949

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038342.D	12 Dec 2025 08:45		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN038343.D	12 Dec 2025 09:24	Compound #20, 24 fail low.	RC/JU	Ok
3	PB170912BL	PB170912BL	BN038344.D	12 Dec 2025 10:00		RC/JU	Ok
4	Q3788-01DL	OWBR-05-135-120525	BN038345.D	12 Dec 2025 10:36		RC/JU	Ok
5	Q3813-01	BR-04DR-451-120825	BN038346.D	12 Dec 2025 11:12		RC/JU	Ok
6	Q3813-03	EB01-120825	BN038347.D	12 Dec 2025 11:49		RC/JU	Ok
7	Q3828-01	BR-02-133-120925	BN038348.D	12 Dec 2025 12:25		RC/JU	Ok
8	Q3828-03	OWBR-06-219-120925	BN038349.D	12 Dec 2025 13:01		RC/JU	Ok,M
9	Q3828-05	RMW-03B-90-120925	BN038350.D	12 Dec 2025 13:38	Need 5X Dilution	RC/JU	Dilution
10	Q3828-06	OWBR-03-138-120925	BN038351.D	12 Dec 2025 14:14		RC/JU	Ok
11	Q3828-08	FB01-120925	BN038352.D	12 Dec 2025 15:26		RC/JU	Ok
12	Q3835-01	MW-11A-13.5-121025	BN038353.D	12 Dec 2025 16:02		RC/JU	Ok
13	Q3835-02	OWBR-01-170-121025	BN038354.D	12 Dec 2025 16:38		RC/JU	Ok
14	Q3835-04	MW-118-37.5-121025	BN038355.D	12 Dec 2025 17:14	Need 20X Dilution	RC/JU	Dilution
15	Q3835-05	MW-01-7-121025	BN038356.D	12 Dec 2025 17:50		RC/JU	Ok
16	PB170912BS	PB170912BS	BN038357.D	12 Dec 2025 18:27		RC/JU	Ok,M
17	PB170912BSD	PB170912BSD	BN038358.D	12 Dec 2025 19:03		RC/JU	Ok,M
18	SSTDCCC0.4	SSTDCCC0.4EC	BN038359.D	12 Dec 2025 20:16	Compound #20 fail low.	RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	HP Acquire Method	BNA_N, 8270_HP Processing Method BN121025

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6875 SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6945 SP6907,10ul/1000ul sample SP6949

19	DFTPP	DFTPP	BN038360.D	12 Dec 2025 21:31		RC/JU	Ok
20	SSTDCCC0.4	SSTDCCC0.4	BN038361.D	12 Dec 2025 22:10	Compound #20, 24 fail low.	RC/JU	Ok
21	PB170917BL	PB170917BL	BN038362.D	12 Dec 2025 22:47	CCC fail low for compound #24.	RC/JU	ReRun
22	Q3839-01	C0AM5	BN038363.D	12 Dec 2025 23:24	CCC fail low for compound #24.	RC/JU	ReRun
23	Q3839-02	C0AM6	BN038364.D	13 Dec 2025 00:00	CCC fail low for compound #24.	RC/JU	ReRun
24	Q3839-03MS	C0AM6MS	BN038365.D	13 Dec 2025 00:37	CCC fail low for compound #24.	RC/JU	ReRun
25	Q3839-04MSD	C0AM6MSD	BN038366.D	13 Dec 2025 01:13	CCC fail low for compound #24.	RC/JU	ReRun
26	Q3839-05	C0AN1	BN038367.D	13 Dec 2025 01:50	CCC fail low for compound #24.	RC/JU	ReRun
27	Q3839-06	C0AN2	BN038368.D	13 Dec 2025 02:27	CCC fail low for compound #24.	RC/JU	ReRun
28	Q3839-07	C0AN3	BN038369.D	13 Dec 2025 03:03	CCC fail low for compound #24.	RC/JU	ReRun
29	Q3839-08	C0AN4	BN038370.D	13 Dec 2025 03:40	CCC fail low for compound #24.	RC/JU	ReRun
30	Q3839-11	C0AN7	BN038371.D	13 Dec 2025 04:16	CCC fail low for compound #24.	RC/JU	ReRun
31	Q3839-12	C0AS1	BN038372.D	13 Dec 2025 04:53	CCC fail low for compound #24.	RC/JU	ReRun
32	Q3839-13	C0AS2	BN038373.D	13 Dec 2025 05:29	CCC fail low for compound #24.	RC/JU	ReRun
33	Q3839-14	C0AS3	BN038374.D	13 Dec 2025 06:06	CCC fail low for compound #24.	RC/JU	ReRun
34	Q3839-15	C0AS4	BN038375.D	13 Dec 2025 06:42	CCC fail low for compound #24.	RC/JU	ReRun
35	Q3839-16	C0B02	BN038376.D	13 Dec 2025 07:18	CCC fail low for compound #24.	RC/JU	ReRun
36	PB170917BS	PB170917BS	BN038377.D	13 Dec 2025 07:55		RC/JU	Ok,M
37	SSTDCCC0.4	SSTDCCC0.4EC	BN038378.D	13 Dec 2025 09:08		RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	HP Acquire Method	BNA_N, 8270_HP Processing Method BN121025
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	SP6875 SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6945 SP6907,10ul/1000ul sample SP6949		

38	DFTPP	DFTPP	BN038379.D	13 Dec 2025 10:24		RC/JU	Ok
39	SSTDCCC0.4	SSTDCCC0.4	BN038380.D	13 Dec 2025 11:03	Compound #20 fail low.	RC/JU	Ok
40	PB170919BL	PB170919BL	BN038381.D	13 Dec 2025 11:39	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
41	Q3828-05DL	RMW-03B-90-120925D	BN038382.D	13 Dec 2025 12:16		RC/JU	Ok
42	Q3839-17	C0B11	BN038383.D	13 Dec 2025 12:52		RC/JU	Ok
43	Q3839-18	C0AM7	BN038384.D	13 Dec 2025 13:28	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
44	Q3839-19MS	C0AM7MS	BN038385.D	13 Dec 2025 14:04	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
45	Q3839-19MSD	C0AM7MSD	BN038386.D	13 Dec 2025 14:40	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
46	Q3839-09	C0AN5	BN038387.D	13 Dec 2025 15:16		RC/JU	Ok,M
47	Q3839-10	C0AN6	BN038388.D	13 Dec 2025 15:52	Need 5X.	RC/JU	Dilution
48	Q3839-21	C0B09	BN038389.D	13 Dec 2025 16:28	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
49	Q3839-22	C0AT4	BN038390.D	13 Dec 2025 17:04	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
50	Q3839-23	C0AT5	BN038391.D	13 Dec 2025 17:41	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
51	Q3839-24	C0AT6	BN038392.D	13 Dec 2025 18:17	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
52	Q3839-25	C0AT7	BN038393.D	13 Dec 2025 18:54	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
53	Q3839-26	C0AT8	BN038394.D	13 Dec 2025 19:30	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
54	PB170919BS	PB170919BS	BN038395.D	13 Dec 2025 20:06	Wrong Sample (Total Scan sample)	RC/JU	Not Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	HP Acquire Method	BNA_N, 8270_HP Processing Method BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

55	SSTDCCC0.4	SSTDCCC0.4EC	BN038396.D	13 Dec 2025 21:18		RC/JU	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3953

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 12/08/2025

Extraction Start Time : 08:52

Extraction End Date : 12/09/2025

Extraction End Time : 10:25

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6938
Surrogate	1.0ML	0.4 PPM	SP6893
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3986
Baked Na2SO4	N/A	EP2665
H2SO4 1:1	N/A	EP2657
10N NaoH	N/A	EP2658
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted TO <2 with 1:1 H2SO4 & >11with 10N NAOH ,1.5ML Vial Lot #2210443. Q3788 all samples added at 15:35 in PrepBatch.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/9/25	RS (Ext Lab)	Jy/svoc
10:30	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 12/09/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170850BL	SBLK850	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			SEP-1
PB170850BS	SLCS850	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			2
Q3787-01	MW-15B-42.5-120425	SVOC-SIMGrou p1	890	6	RUPESH	ritesh	1	D		3
Q3787-02	MW-15B-42.5-120425-MS	SVOC-SIMGrou p1	880	6	RUPESH	ritesh	1	D		4
Q3787-03	MW-15B-42.5-120425-MS D	SVOC-SIMGrou p1	900	6	RUPESH	ritesh	1	D		5
Q3787-07	OWBR-02-170-120425	SVOC-SIMGrou p1	910	6	RUPESH	ritesh	1	D		6
Q3787-09	OWBR-02-170-120425-F D	SVOC-SIMGrou p1	940	6	RUPESH	ritesh	1	D		7
Q3787-11	OW-03B-51.5-120425	SVOC-SIMGrou p1	950	6	RUPESH	ritesh	1	D		8
Q3787-13	OW-03B-51.5-120425-FD	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	D		9
Q3787-15	OW-08B-72.5-120425	SVOC-SIMGrou p1	980	6	RUPESH	ritesh	1	D		10
Q3787-17	OW-08B-72.5-120425-FD	SVOC-SIMGrou p1	990	6	RUPESH	ritesh	1	D		11
Q3787-19	OW-02B-21.2-120425	SVOC-SIMGrou p1	870	6	RUPESH	ritesh	1	D		12
Q3788-01	OWBR-05-135-120525	SVOC-SIMGrou p1	870	11	RUPESH	ritesh	1	D		13
Q3788-02	OWBR-05-135-120525-M S	SVOC-SIMGrou p1	970	11	RUPESH	ritesh	1	D		14
Q3788-03	OWBR-05-135-120525-M SD	SVOC-SIMGrou p1	1000	11	RUPESH	ritesh	1	D		15
Q3788-07	OW-01B-66.5-120525	SVOC-SIMGrou p1	920	6	RUPESH	ritesh	1	D		16
Q3788-09	TA-BR-05-465-120525	SVOC-SIMGrou p1	980	11	RUPESH	ritesh	1	D		17
Q3788-11	MW-16B-87.5-120525	SVOC-SIMGrou p1	960	11	RUPESH	ritesh	1	D		18

* Extracts relinquished on the same date as received.

RJ
12/9

12/18/25
17:25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3787 WorkList ID : 193513 Department : Extraction Date : 12-08-2025 08:46:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3787-01	MW-15B-42.5-120425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-02	MW-15B-42.5-120425-MS	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-03	MW-15B-42.5-120425-MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-07	OWBR-02-170-120425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-09	OWBR-02-170-120425-FD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-11	OW-03B-51.5-120425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-13	OW-03B-51.5-120425-FD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-15	OW-08B-72.5-120425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-17	OW-08B-72.5-120425-FD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-19	OW-02B-21.2-120425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified

Date/Time 12/18/25 8:47
Raw Sample Received by: RS (Ext-946)
Raw Sample Relinquished by: OP

Date/Time 12/18/25 9:30
Raw Sample Received by: OP
Raw Sample Relinquished by: RS (Ext-946)

1755061

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3788

WorkList ID : 193541

Department : Extraction

Date : 12-08-2025 15:34:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3788-01	OWBR-05-135-120525	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/05/2025	8270-Modified
Q3788-02	OWBR-05-135-120525-MS	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/05/2025	8270-Modified
Q3788-03	OWBR-05-135-120525-MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/05/2025	8270-Modified
Q3788-07	OW-01B-66.5-120525	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/05/2025	8270-Modified
Q3788-09	TA-BR-05-465-120525	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/05/2025	8270-Modified
Q3788-11	MW-16B-87.5-120525	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/05/2025	8270-Modified

Date/Time

12/8/25 15:35

Raw Sample Received by:

RS (Ext-66)

Raw Sample Relinquished by:

RS (Ext-66)

Date/Time

12/8/25 16:00

Raw Sample Received by:

RS (Ext-66)

Raw Sample Relinquished by:

RS (Ext-66)



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kimple Ave Suite #100
CITY: Morris Plains STATE: NJ ZIP: 07960
ATTENTION: John Vinfante
PHONE: _____ FAX: _____

PROJECT NAME: STC PR
PROJECT NO.: D4633126 LOCATION: Princeton Jct.
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: _____ FAX: _____

BILL TO: Mary Murphy PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☒ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1. Site Specific VOCs (82 LOD - Low)
2. Trace VOCs (5-FALM) 1 SIM
3. 1,4 Dioxane (82 LOD - SIM)
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		A/E	A/E	F							
1.	OWBR-05-135-120525	GW		X	12/5/25	1110	15	X		X							MS/MSD
2.	OWBR-05-135-120525-SIM	GW		X	12/5/25	1110	9		X								MS/MSD
3.	OW-01B-665-120525	GW		X	12/5/25	1115	3	X		X							
4.	OW-01B-665-120525-SIM	GW		X	12/5/25	1115	3		X								
5.	BR-05-465-120525	GW		X	12/5/25	1200	5	X		X							
6.	BR-05-465-120525-SIM	GW		X	12/5/25	1200	3		X								
7.	MW-16B-87.5-120525	GW		X	12/5/25	1435	5	X		X							
8.	MW-16B-87.5-120525-SIM	GW		X	12/5/25	1435	3		X								
9.	TBOI-120525	DI		X	12/5/25	0800	4	X	X								
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>12/5/25</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>1.3 + 0 = 1.3</u> °C
RELINQUISHED BY SAMPLER: 2. _____	DATE/TIME: _____	RECEIVED BY: _____	Comments: <u>See work order for list of site specific VOCs</u> <u>IRAW #1</u>
RELINQUISHED BY SAMPLER: 3. _____	DATE/TIME: _____	RECEIVED BY: _____	

Page 1 of 1 CLIENT: ☐ Hand Delivered ☐ Other _____ Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3788 JACO05

Order Date : 12/5/2025 7:44:00 AM

Project Mgr :

Client Name : JACOBS Engineering Grou

Project Name : Former Schlumberger STC

Report Type : Level 3

Client Contact : John Ynfante

Receive DateTime : 12/5/2025 5:15:00 PM

EDD Type : CH2MHILL

Invoice Name : JACOBS Engineering Grou

Purchase Order :

Hard Copy Date :

Invoice Contact : John Ynfante

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3788-01	OWBR-05-135-120525	Water	12/05/2025	11:10					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3788-02	OWBR-05-135-120525-MS	Water	12/05/2025	11:10					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3788-03	OWBR-05-135-120525-MSD	Water	12/05/2025	11:10					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3788-04	OWBR-05-135-120525-SIM	Water	12/05/2025	11:10					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3788-05	OWBR-05-135-120525-SIM-MS	Water	12/05/2025	11:10					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3788-06	OWBR-05-135-120525-SIM-MSD	Water	12/05/2025	11:10					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3788-07	OW-01B-66.5-120525	Water	12/05/2025	11:15					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3788-08	OW-01B-66.5-120525-SIM	Water	12/05/2025	11:15					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3788- JACO05	Order Date : 12/5/2025 7:44:00 AM	Project Mgr :
Client Name : JACOBS Engineering Grou	Project Name : Former Schlumberger STC	Report Type : Level 3
Client Contact : John Ynfante	Receive DateTime : 12/5/2025 5:15:00 PM	EDD Type : CH2MHILL
Invoice Name : JACOBS Engineering Grou	Purchase Order :	Hard Copy Date :
Invoice Contact : John Ynfante		Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3788-09	TA-BR-05-465-120525	Water	12/05/2025	12:00					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3788-10	BR-05-465-12052-SIM 120525 <i>dm</i>	Water	12/05/2025	12:00					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3788-11	MW-16B-87.5-120525	Water	12/05/2025	14:35					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3788-12	MW-16B-87.5-120525-SIM	Water	12/05/2025	14:35					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3788-13	TB01-120525	Water	12/05/2025	08:00					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3788-14	VHBLK001	Water	12/05/2025	17:15					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3788

JACO05

Order Date : 12/5/2025 7:44:00 AM

Project Mgr :

Client Name : JACOBS Engineering Grou

Project Name : Former Schlumberger STC

Report Type : Level 3

Client Contact : John Ynfante

Receive DateTime : 12/5/2025 5:15:00 PM

EDD Type : CH2MHILL

Invoice Name : JACOBS Engineering Grou

Purchase Order :

Hard Copy Date :

Invoice Contact : John Ynfante

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

*Stored in VOA
Ex # 04*

Relinquished By :

Date / Time :

[Signature]
12/8/25 13:00

Received By :

Date / Time :

[Signature]
12/8/25 14:00

Storage Area : VOA Refridgerator Room