

Cover Page

Order ID : Q2580

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number

Q2580-01
Q2580-02

Client Sample Number

WC-URBAN-FILL-B1
WC-URBAN-FILL-B2

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 7/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

ENTACT

Project Name: 540 Degraw St, Brooklyn, NY - E9309

Project # N/A

Order ID # Q2580

Test Name: SVOC-PAH

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 07/10/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-PAH. This data package contains results for SVOC-PAH.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-PAH was based on method 8270-Modified and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for WC-URBAN-FILL-B2DL [2,4,6-Tribromophenol - 0%, 2-Fluorobiphenyl - 0%, 2-Fluorophenol - 0%, 2-Methylnaphthalene-d10 - 0%, Fluoranthene-d10 - 0%, Nitrobenzene-d5 - 0%, Phenol-d6 - 0% and Terphenyl-d14 - 0%], These compounds did not meet the NJDKQP criteria and in-house criteria but DMC recovery do not apply for samples that have been diluted therefore no corrective action was taken.

The Internal Standards Areas were met for all analysis except for WC-URBAN-FILL-B2MS and WC-URBAN-FILL-B2MSD, due to concentrated matrix therefore no corrective action was taken.

The Retention Times were met for all analysis.

The MS {Q2580-02MS} with File ID: BN037491.D recoveries met the requirements for all compounds except for 2-Methylnaphthalene[-71%], Acenaphthene[-355%], Acenaphthylene[-71%], Anthracene[-709%], Benzo(a)anthracene[-709%], Benzo(a)pyrene[-709%], Benzo(b)fluoranthene[-709%], Benzo(g,h,i)perylene[-709%], Benzo(k)fluoranthene[-213%], Chrysene[-709%], Dibenzo(a,h)anthracene[-142%], Fluoranthene[-1418%], Fluorene[-213%], Indeno(1,2,3-cd)pyrene[-709%], Naphthalene[-496%], Phenanthrene[-2837%] and Pyrene[-2128%], These compounds did not meet the NJDKQP criteria and in-house criteria ,due to matrix interference.



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The MSD {Q2580-02MSD} with File ID: BN037492.D recoveries met the requirements for all compounds except for 2-Methylnaphthalene[-71%], Acenaphthene[-284%], Anthracene[-709%], Benzo(a)anthracene[-1418%], Benzo(a)pyrene[0%], Benzo(b)fluoranthene[-709%], Benzo(g,h,i)perylene[-709%], Benzo(k)fluoranthene[142%], Chrysene[0%], Dibenz(a,h)anthracene[-71%], Fluoranthene[709%], Fluorene[-142%], Indeno(1,2,3-cd)pyrene[0%], Naphthalene[-496%], Phenanthrene[-2128%] and Pyrene[-2837%], these compounds did not meet the NJDKQP criteria and in-house criteria, due to matrix interference.

The RPD for {Q2580-02MSD} with File ID: BN037492.D met criteria except for Benzo(a)anthracene[67%], Benzo(a)pyrene[200%], Benzo(k)fluoranthene[1000%], Chrysene[200%], Dibenz(a,h)anthracene[67%], Fluoranthene[600%], Fluorene[40%], Indeno(1,2,3-cd)pyrene[200%], these compounds did not meet the NJDKQP criteria and in-house criteria. While Acenaphthene[22%], Phenanthrene[29%] and Pyrene[29%], these compounds met the NJDKQP criteria but did not meet the in-house criteria, due to difference in results of MS and MSD.

The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

Samples WC-URBAN-FILL-B2, WC-URBAN-FILL-B2MS and WC-URBAN-FILL-B2MSD analyzed with direct 10X dilution due to Concentrated Matrix.

Sample WC-URBAN-FILL-B2 was diluted due to high concentration.

E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed



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above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2580

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRATHA PARGHI

Date: 07/21/2025

LAB CHRONICLE

OrderID:	Q2580	OrderDate:	7/10/2025 3:40:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Austin Farmerie	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2580-02	WC-URBAN-FILL-B2	SOIL			07/10/25			07/10/25
			SVOC-PAH	8270-Modified		07/14/25	07/14/25	
Q2580-02DL	WC-URBAN-FILL-B2D	SOIL			07/10/25			07/10/25
	L		SVOC-PAH	8270-Modified		07/14/25	07/14/25	

Hit Summary Sheet SW-846

SDG No.: Q2580
Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC-URBAN-FILL-B2								
Q2580-02	WC-URBAN-FILL-B2	SOIL	Naphthalene	0.950		0.012	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	2-Methylnaphthalene	0.260		0.013	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Acenaphthylene	0.370		0.011	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Acenaphthene	0.840		0.012	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Fluorene	0.760		0.012	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Phenanthrene	5.800	E	0.012	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Anthracene	1.800	E	0.013	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Fluoranthene	5.500	E	0.013	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Pyrene	4.200	E	0.011	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Benzo(a)anthracene	2.500	E	0.014	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Chrysene	1.800	E	0.015	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Benzo(b)fluoranthene	2.300	E	0.017	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Benzo(k)fluoranthene	0.830		0.019	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Benzo(a)pyrene	2.200	E	0.015	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Indeno(1,2,3-cd)pyrene	1.200		0.019	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Dibenzo(a,h)anthracene	0.360		0.019	0.035	mg/Kg
Q2580-02	WC-URBAN-FILL-B2	SOIL	Benzo(g,h,i)perylene	1.600		0.018	0.035	mg/Kg

Total Svoc :

33.27

Total Concentration:

33.27

Client ID : WC-URBAN-FILL-B2DL

Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Naphthalene	0.960	D	0.12	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	2-Methylnaphthalene	0.260	JD	0.13	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Acenaphthylene	0.440	D	0.11	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Acenaphthene	0.830	D	0.12	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Fluorene	0.770	D	0.12	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Phenanthrene	5.900	D	0.12	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Anthracene	1.800	D	0.13	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Fluoranthene	5.600	D	0.13	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Pyrene	4.500	D	0.11	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Benzo(a)anthracene	2.500	D	0.14	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Chrysene	2.200	D	0.14	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Benzo(b)fluoranthene	2.400	D	0.17	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Benzo(k)fluoranthene	0.890	D	0.19	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Benzo(a)pyrene	2.300	D	0.15	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Indeno(1,2,3-cd)pyrene	1.300	D	0.19	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Dibenzo(a,h)anthracene	0.380	D	0.19	0.35	mg/Kg
Q2580-02DL	WC-URBAN-FILL-B2DL	SOIL	Benzo(g,h,i)perylene	1.700	D	0.18	0.35	mg/Kg



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2580
Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :			34.73		
			Total Concentration:			34.73		



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2580

Client: ENTACT

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168831BL	PB168831BL	2-Methylnaphthalene-d10	0.4	0.37	91		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.34	84		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.40	99		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.40	99		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.37	92		30 (21)	130 (130)
PB168831BS	PB168831BS	2-Methylnaphthalene-d10	0.4	0.37	91		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.34	84		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.39	97		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.40	100		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.37	92		30 (21)	130 (130)
Q2580-02	WC-URBAN-FILL-B2	2-Methylnaphthalene-d10	0.4	0.36	90		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.38	95		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.39	97		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.30	75		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.47	117		30 (21)	130 (130)
Q2580-02DL	WC-URBAN-FILL-B2DL	2-Methylnaphthalene-d10	0.4	0	0	*	30 (17)	150 (161)
		Fluoranthene-d10	0.4	0	0	*	30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0	0	*	30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0	0	*	30 (32)	130 (121)
		Terphenyl-d14	0.4	0	0	*	30 (21)	130 (130)
Q2580-02MS	WC-URBAN-FILL-B2MS	2-Methylnaphthalene-d10	0.4	0.31	77		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.34	85		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.35	88		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.25	63		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.39	97		30 (21)	130 (130)
Q2580-02MSD	WC-URBAN-FILL-B2MSD	2-Methylnaphthalene-d10	0.4	0.32	80		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.36	90		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.36	90		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.30	75		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.37	93		30 (21)	130 (130)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2580

Analytical Method: SW8270-Modified

Client: ENTACT

DataFile: BN037491.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2580-02MS		Client Sample ID: WC-URBAN-FILL-B2MS									
Naphthalene	14.1	950	880	ug/Kg	-496	*			70 (37)	130 (129)	
2-Methylnaphthalene	14.1	260	250	ug/Kg	-71	*			70 (37)	130 (139)	
Acenaphthylene	14.1	370	360	ug/Kg	-71	*			70 (21)	130 (147)	
Acenaphthene	14.1	840	790	ug/Kg	-355	*			70 (19)	130 (141)	
Fluorene	14.1	760	730	ug/Kg	-213	*			70 (10)	130 (167)	
Phenanthrene	14.1	5800	5400	ug/Kg	-2837	*			70 (27)	130 (146)	
Anthracene	14.1	1800	1700	ug/Kg	-709	*			70 (12)	130 (166)	
Fluoranthene	14.1	5500	5300	ug/Kg	-1418	*			70 (20)	130 (150)	
Pyrene	14.1	4200	3900	ug/Kg	-2128	*			70 (10)	130 (163)	
Benzo(a)anthracene	14.1	2500	2400	ug/Kg	-709	*			70 (10)	130 (175)	
Chrysene	14.1	1800	1700	ug/Kg	-709	*			70 (32)	130 (143)	
Benzo(b)fluoranthene	14.1	2300	2200	ug/Kg	-709	*			70 (10)	130 (188)	
Benzo(k)fluoranthene	14.1	830	800	ug/Kg	-213	*			70 (42)	130 (122)	
Benzo(a)pyrene	14.1	2200	2100	ug/Kg	-709	*			70 (10)	130 (175)	
Indeno(1,2,3-cd)pyrene	14.1	1200	1100	ug/Kg	-709	*			70 (10)	130 (175)	
Dibenz(a,h)anthracene	14.1	360	340	ug/Kg	-142	*			70 (10)	130 (170)	
Benzo(g,h,i)perylene	14.1	1600	1500	ug/Kg	-709	*			70 (10)	130 (168)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2580

Analytical Method: SW8270-Modified

Client: ENTACT

DataFile: BN037492.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2580-02MSD		Client Sample ID: WC-URBAN-FILL-B2MSD									
Naphthalene	14.1	950	880	ug/Kg	-496	*	0		70 (37)	130 (129)	30 (20)
2-Methylnaphthalene	14.1	260	250	ug/Kg	-71	*	0		70 (37)	130 (139)	30 (20)
Acenaphthylene	14.1	370	380	ug/Kg	71		0		70 (21)	130 (147)	30 (20)
Acenaphthene	14.1	840	800	ug/Kg	-284	*	22		70 (19)	130 (141)	30 (20)
Fluorene	14.1	760	740	ug/Kg	-142	*	40	*	70 (10)	130 (167)	30 (20)
Phenanthrene	14.1	5800	5500	ug/Kg	-2128	*	29		70 (27)	130 (146)	30 (20)
Anthracene	14.1	1800	1700	ug/Kg	-709	*	0		70 (12)	130 (166)	30 (20)
Fluoranthene	14.1	5500	5600	ug/Kg	709	*	600	*	70 (20)	130 (150)	30 (20)
Pyrene	14.1	4200	3800	ug/Kg	-2837	*	29		70 (10)	130 (163)	30 (20)
Benzo(a)anthracene	14.1	2500	2300	ug/Kg	-1418	*	67	*	70 (10)	130 (175)	30 (20)
Chrysene	14.1	1800	1800	ug/Kg	0	*	200	*	70 (32)	130 (143)	30 (20)
Benzo(b)fluoranthene	14.1	2300	2200	ug/Kg	-709	*	0		70 (10)	130 (188)	30 (20)
Benzo(k)fluoranthene	14.1	830	850	ug/Kg	142	*	1000	*	70 (42)	130 (122)	30 (20)
Benzo(a)pyrene	14.1	2200	2200	ug/Kg	0	*	200	*	70 (10)	130 (175)	30 (20)
Indeno(1,2,3-cd)pyrene	14.1	1200	1200	ug/Kg	0	*	200	*	70 (10)	130 (175)	30 (20)
Dibenz(a,h)anthracene	14.1	360	350	ug/Kg	-71	*	67	*	70 (10)	130 (170)	30 (20)
Benzo(g,h,i)perylene	14.1	1600	1500	ug/Kg	-709	*	0		70 (10)	130 (168)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2580

Analytical Method: 8270-Modified

Client: ENTACT

DataFile: BN037494.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168831BS	Naphthalene	13.3	11.9	ug/Kg	89				70 (63)	130 (120)	
	2-Methylnaphthalene	13.3	10.8	ug/Kg	81				70 (54)	130 (111)	
	Acenaphthylene	13.3	13.1	ug/Kg	98				70 (61)	130 (110)	
	Acenaphthene	13.3	11.6	ug/Kg	87				70 (65)	130 (112)	
	Fluorene	13.3	11.1	ug/Kg	83				70 (61)	130 (115)	
	Phenanthrene	13.3	12.0	ug/Kg	90				70 (61)	130 (120)	
	Anthracene	13.3	12.1	ug/Kg	91				70 (60)	130 (115)	
	Fluoranthene	13.3	10.9	ug/Kg	82				70 (56)	130 (124)	
	Pyrene	13.3	11.7	ug/Kg	88				70 (58)	130 (125)	
	Benzo(a)anthracene	13.3	13.1	ug/Kg	98				70 (45)	130 (129)	
	Chrysene	13.3	12.0	ug/Kg	90				70 (62)	130 (123)	
	Benzo(b)fluoranthene	13.3	11.8	ug/Kg	89				70 (47)	130 (123)	
	Benzo(k)fluoranthene	13.3	11.4	ug/Kg	86				70 (69)	130 (123)	
	Benzo(a)pyrene	13.3	13.5	ug/Kg	102				70 (53)	130 (123)	
	Indeno(1,2,3-cd)pyrene	13.3	15.6	ug/Kg	117				70 (62)	130 (131)	
	Dibenz(a,h)anthracene	13.3	15.2	ug/Kg	114				70 (57)	130 (120)	
	Benzo(g,h,i)perylene	13.3	14.9	ug/Kg	112				70 (66)	130 (121)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB168831BL

Lab Name: Alliance

Contract: ENTA05

Lab Code: ACE

SDG NO.: Q2580

Lab File ID: BN037495.D

Lab Sample ID: PB168831BL

Instrument ID: BNA_N

Date Extracted: 07/14/2025

Matrix: (soil/water) SOIL

Date Analyzed: 07/14/2025

Level: (low/med) LOW

Time Analyzed: 17:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168831BS	PB168831BS	BN037494.D	07/14/2025
WC-URBAN-FILL-B2	Q2580-02	BN037490.D	07/14/2025
WC-URBAN-FILL-B2MS	Q2580-02MS	BN037491.D	07/14/2025
WC-URBAN-FILL-B2MSD	Q2580-02MSD	BN037492.D	07/14/2025

COMMENTS: _____



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037465.D
Instrument ID: BNA_N

Contract: ENTA05
SDG NO.: Q2580
DFTPP Injection Date: 07/11/2025
DFTPP Injection Time: 08:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.2
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	39.7
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	11.9
442	Greater than 50% of mass 198	77.3
443	15.0 - 24.0% of mass 442	15 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037467.D	07/11/2025	11:10
SSTDICC0.2	SSTDICC0.2	BN037468.D	07/11/2025	11:46
SSTDICCC0.4	SSTDICCC0.4	BN037469.D	07/11/2025	12:22
SSTDICC0.8	SSTDICC0.8	BN037470.D	07/11/2025	12:59
SSTDICC1.6	SSTDICC1.6	BN037471.D	07/11/2025	13:36
SSTDICC3.2	SSTDICC3.2	BN037472.D	07/11/2025	14:12
SSTDICC5.0	SSTDICC5.0	BN037473.D	07/11/2025	14:49



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037482.D
Instrument ID: BNA_N

Contract: ENTA05
SDG NO.: Q2580
DFTPP Injection Date: 07/14/2025
DFTPP Injection Time: 08:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.4
68	Less than 2.0% of mass 69	0.3 (0.7) 1
69	Mass 69 relative abundance	42.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	53.1
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
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	9.6
442	Greater than 50% of mass 198	74.1
443	15.0 - 24.0% of mass 442	14.9 (20) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037483.D	07/14/2025	09:10
WC-URBAN-FILL-B2	Q2580-02	BN037490.D	07/14/2025	14:21
WC-URBAN-FILL-B2MS	Q2580-02MS	BN037491.D	07/14/2025	14:57
WC-URBAN-FILL-B2MSD	Q2580-02MSD	BN037492.D	07/14/2025	15:34
WC-URBAN-FILL-B2DL	Q2580-02DL	BN037493.D	07/14/2025	16:11
PB168831BS	PB168831BS	BN037494.D	07/14/2025	16:47
PB168831BL	PB168831BL	BN037495.D	07/14/2025	17:24

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2580

Client ID : SSTDCCC0.4

Date Analyzed: 07/14/2025

Lab File ID: BN037483.D

Time Analyzed: 09:10

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	1935	7.732	4597	10.51	2166	14.36
UPPER LIMIT	3870	8.232	9194	11.009	4332	14.855
LOWER LIMIT	967.5	7.232	2298.5	10.009	1083	13.855
EPA SAMPLE NO.						
01 PB168831BL	2220	7.73	5460	10.51	2504	14.36
02 PB168831BS	2484	7.73	6222	10.51	2912	14.36
03 WC-URBAN-FILL-B2	2050	7.73	5267	10.51	2641	14.36
04 WC-URBAN-FILL-B2DL	2104	7.73	5369	10.51	2602	14.36
05 WC-URBAN-FILL-B2MS	2103	7.73	5429	10.51	2752	14.36
06 WC-URBAN-FILL-B2MSD	2101	7.73	5450	10.52	2896	14.36

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.: Q2580

Client ID: SSTDCCC0.4

Date Analyzed: 07/14/2025

Lab File ID: BN037483.D

Time Analyzed: 09:10

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	3930	17.099	2837	21.286	2676	23.522
UPPER LIMIT	7860	17.599	5674	21.786	5352	24.022
LOWER LIMIT	1965	16.599	1418.5	20.786	1338	23.022
EPA SAMPLE NO.						
01 PB168831BL	4180	17.10	3227	21.29	3743	23.52
02 PB168831BS	4750	17.10	3630	21.29	3754	23.52
03 WC-URBAN-FILL-B2	4759	17.10	4632	21.29	4958	23.53
04 WC-URBAN-FILL-B2DL	4565	17.10	4208	21.29	4610	23.53
05 WC-URBAN-FILL-B2MS	5044	17.10	5060	21.29	5425 *	23.53
06 WC-URBAN-FILL-B2MSD	5508	17.10	5967 *	21.29	6132 *	23.52

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	07/10/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	07/10/25
Client Sample ID:	WC-URBAN-FILL-B2	SDG No.:	Q2580
Lab Sample ID:	Q2580-02	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	94.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037490.D	10	07/14/25 09:20	07/14/25 14:21	PB168831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.95		0.012	0.035	mg/Kg
91-57-6	2-Methylnaphthalene	0.26		0.013	0.035	mg/Kg
208-96-8	Acenaphthylene	0.37		0.011	0.035	mg/Kg
83-32-9	Acenaphthene	0.84		0.012	0.035	mg/Kg
86-73-7	Fluorene	0.76		0.012	0.035	mg/Kg
85-01-8	Phenanthrene	5.80	E	0.012	0.035	mg/Kg
120-12-7	Anthracene	1.80	E	0.013	0.035	mg/Kg
206-44-0	Fluoranthene	5.50	E	0.013	0.035	mg/Kg
129-00-0	Pyrene	4.20	E	0.011	0.035	mg/Kg
56-55-3	Benzo(a)anthracene	2.50	E	0.014	0.035	mg/Kg
218-01-9	Chrysene	1.80	E	0.015	0.035	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.30	E	0.017	0.035	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.83		0.019	0.035	mg/Kg
50-32-8	Benzo(a)pyrene	2.20	E	0.015	0.035	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.20		0.019	0.035	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.36		0.019	0.035	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.60		0.018	0.035	mg/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.36		30 (17) - 150 (161)	90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 (23) - 150 (138)	95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		30 (33) - 130 (121)	97%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		30 (32) - 130 (121)	75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		30 (21) - 130 (130)	117%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2050		7.731		
1146-65-2	Naphthalene-d8	5270		10.509		
15067-26-2	Acenaphthene-d10	2640		14.355		
1517-22-2	Phenanthrene-d10	4760		17.099		
1719-03-5	Chrysene-d12	4630		21.286		

Report of Analysis

Client:	ENTACT	Date Collected:	07/10/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	07/10/25
Client Sample ID:	WC-URBAN-FILL-B2	SDG No.:	Q2580
Lab Sample ID:	Q2580-02	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	94.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037490.D	10	07/14/25 09:20	07/14/25 14:21	PB168831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	4960	23.528			

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\BN071425\
 Data File : BN037490.D
 Acq On : 14 Jul 2025 14:21
 Operator : RC/JU
 Sample : Q2580-02 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 WC-URBAN-FILL-B2

Quant Time: Jul 14 15:03:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:38:34 2025
 Response via : Initial Calibration

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

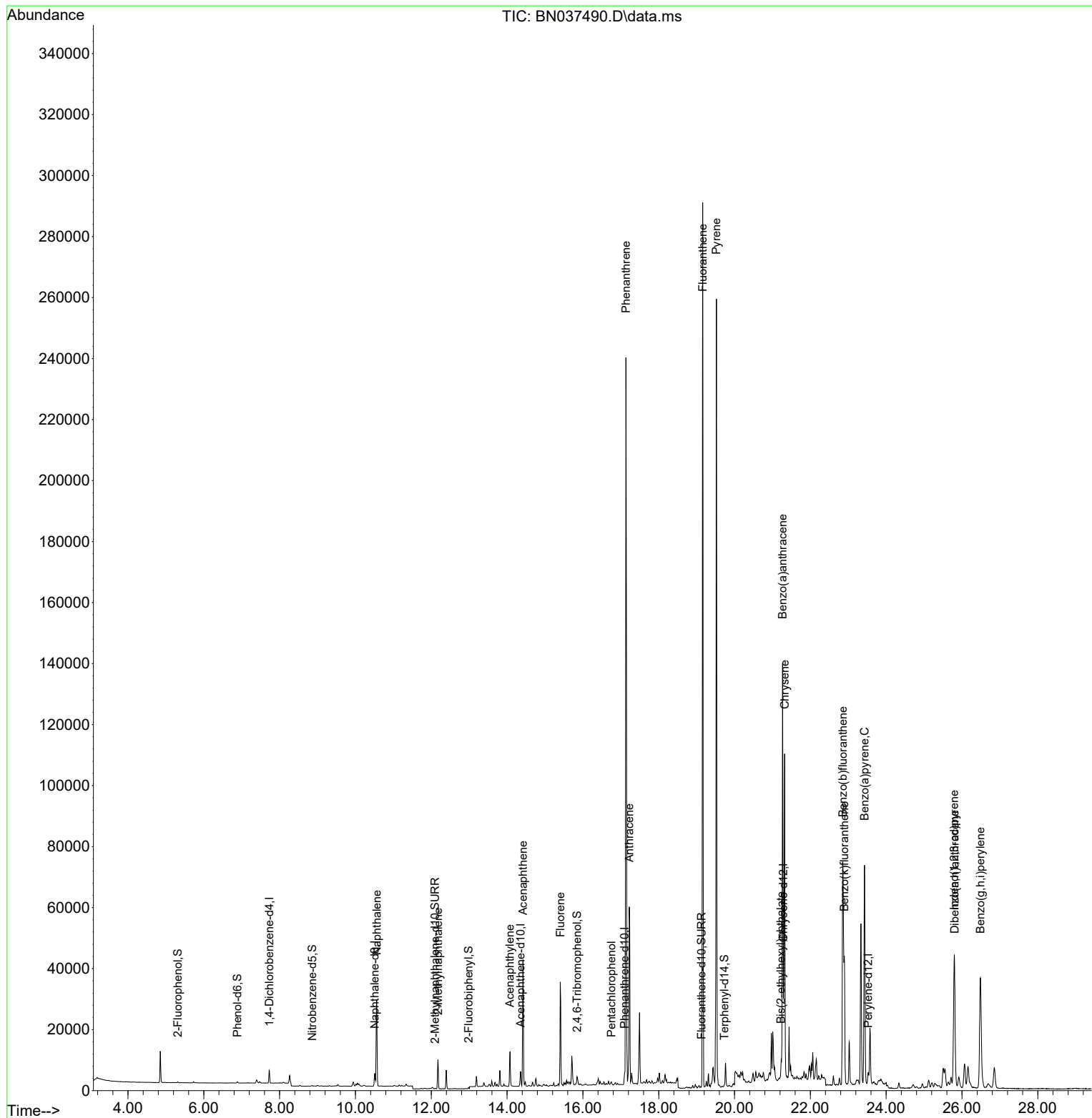
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.731	152	2050	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	5267	0.400	ng	0.00
13) Acenaphthene-d10	14.355	164	2641	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	4759	0.400	ng	0.00
29) Chrysene-d12	21.286	240	4632	0.400	ng	0.00
35) Perylene-d12	23.528	264	4958	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	225	0.047	ng	0.00
5) Phenol-d6	6.886	99	312	0.052	ng	0.00
8) Nitrobenzene-d5	8.864	82	151	0.039	ng	0.00
11) 2-Methylnaphthalene-d10	12.100	152	260	0.036	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	53	0.059	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	456	0.030	ng	0.00
27) Fluoranthene-d10	19.131	212	459	0.038	ng	0.00
31) Terphenyl-d14	19.735	244	458	0.047	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.562	128	38208	2.700	ng	97
12) 2-Methylnaphthalene	12.176	142	6473	0.730	ng	98
16) Acenaphthylene	14.077	152	12589	1.045	ng	99
17) Acenaphthene	14.419	154	19362	2.396	ng	95
18) Fluorene	15.403	166	21768	2.144	ng	99
24) Pentachlorophenol	16.751	266	104	0.074	ng	# 89
25) Phenanthrene	17.136	178	240376	16.588	ng	100
26) Anthracene	17.223	178	68350m	5.227	ng	
28) Fluoranthene	19.159	202	249627	15.698	ng	99
30) Pyrene	19.522	202	223187	11.985	ng	# 95
32) Benzo(a)anthracene	21.268	228	112590	7.178	ng	98
33) Chrysene	21.321	228	89352	5.211	ng	98
34) Bis(2-ethylhexyl)phtha...	21.223	149	1225	0.230	ng	# 93
36) Indeno(1,2,3-cd)pyrene	25.797	276	66542	3.458	ng	97
37) Benzo(b)fluoranthene	22.858	252	124144m	6.439	ng	
38) Benzo(k)fluoranthene	22.896	252	46187m	2.363	ng	
39) Benzo(a)pyrene	23.428	252	99045m	6.383	ng	
40) Dibenzo(a,h)anthracene	25.808	278	15659	1.009	ng	92
41) Benzo(g,h,i)perylene	26.486	276	75545	4.443	ng	93

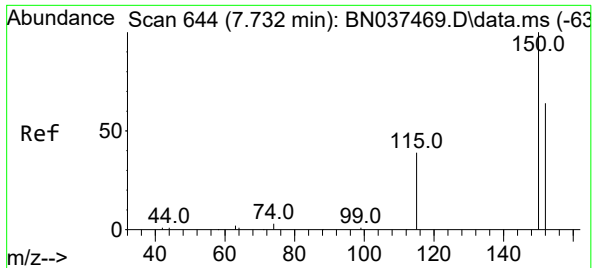
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
Data File : BN037490.D
Acq On : 14 Jul 2025 14:21
Operator : RC/JU
Sample : Q2580-02 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

Quant Time: Jul 14 15:03:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:38:34 2025
Response via : Initial Calibration

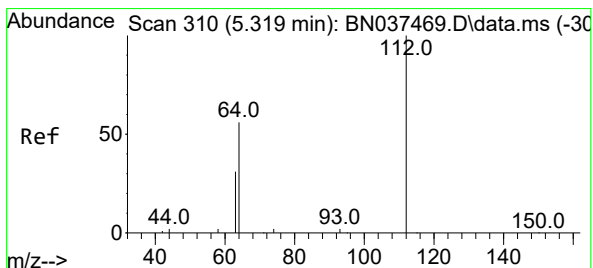
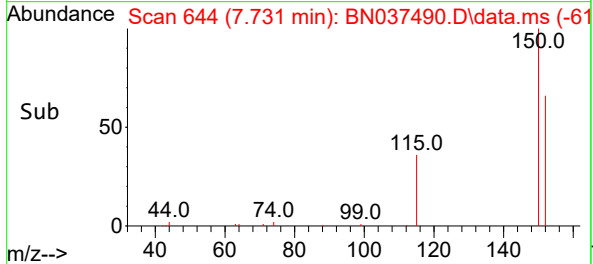
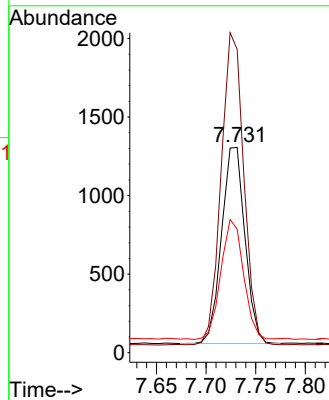
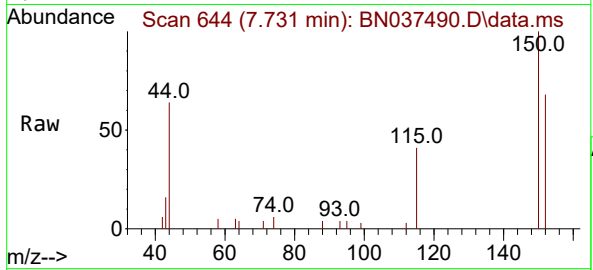




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.731 min Scan# 64
Delta R.T. -0.001 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

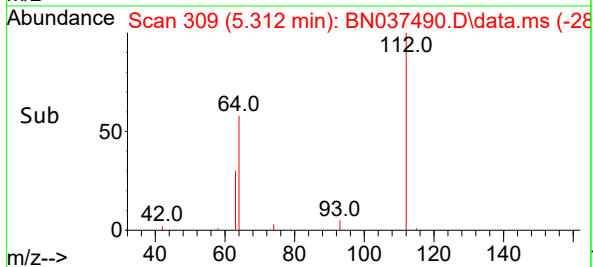
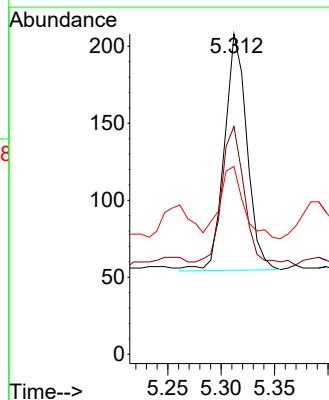
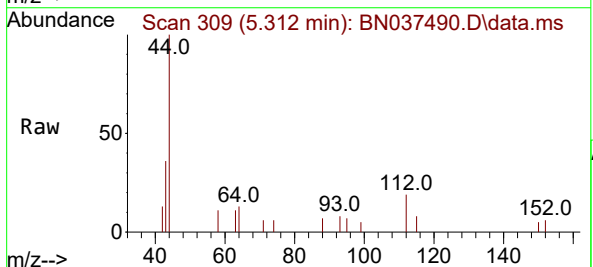
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

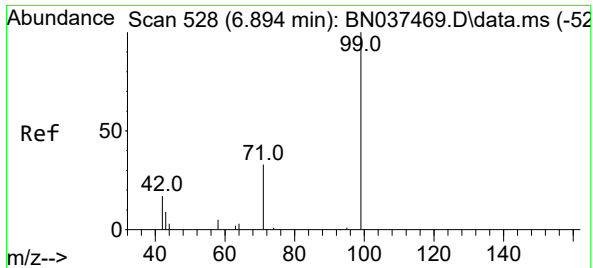
Tgt Ion:152 Resp: 2050
Ion Ratio Lower Upper
152 100
150 147.7 122.5 183.7
115 60.1 49.9 74.9



#4
2-Fluorophenol
Concen: 0.047 ng
RT: 5.312 min Scan# 309
Delta R.T. -0.008 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:112 Resp: 225
Ion Ratio Lower Upper
112 100
64 59.6 45.4 68.0
63 33.3 24.7 37.1

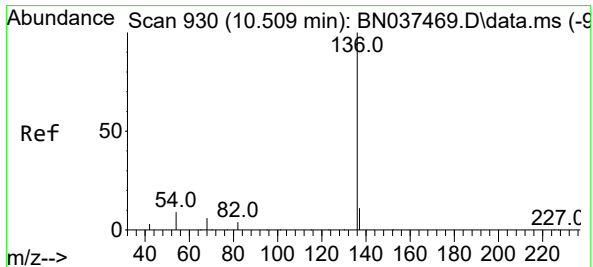
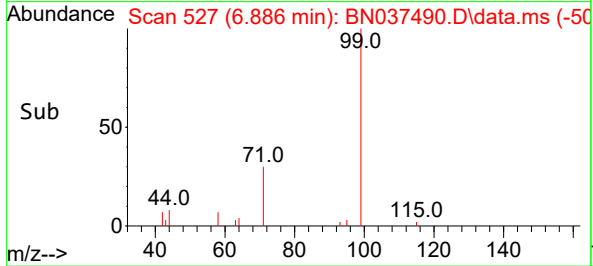
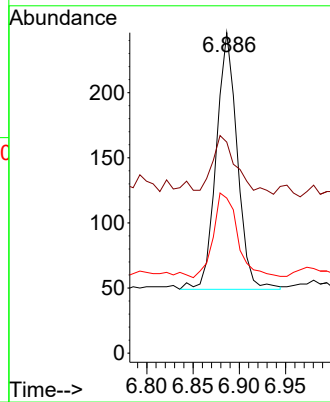
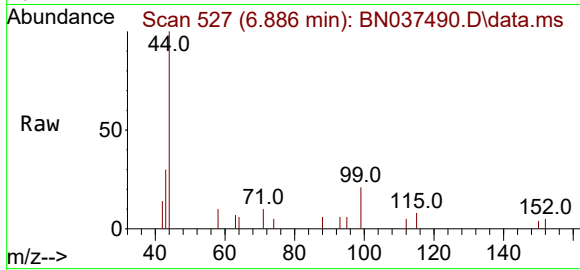




#5
Phenol-d6
Concen: 0.052 ng
RT: 6.886 min Scan# 51
Delta R.T. -0.008 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

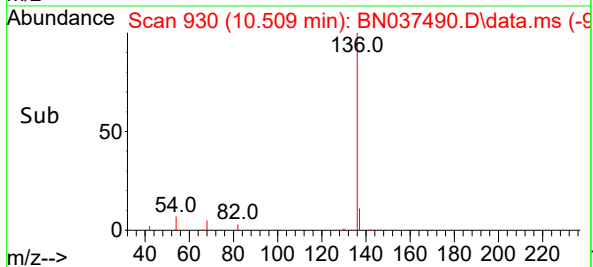
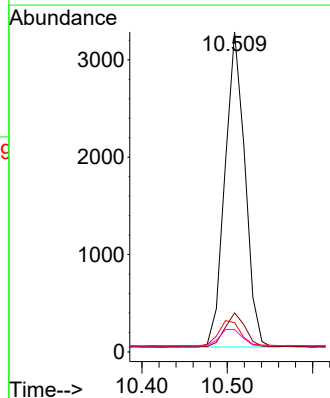
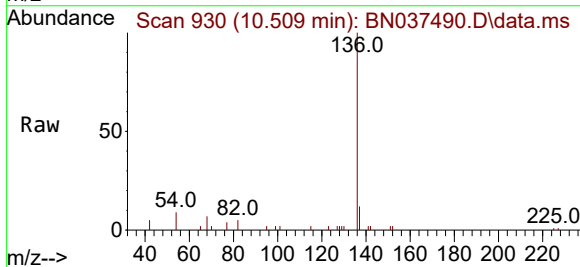
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

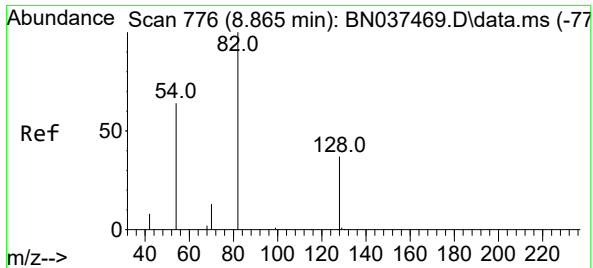
Tgt Ion	Ratio	Lower	Upper
99	100		
42	26.0	19.5	29.3
71	38.1	29.4	44.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.0	15.0
54	9.2	9.0	13.6
68	7.0	6.1	9.1

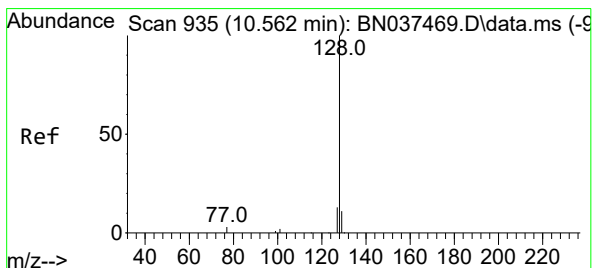
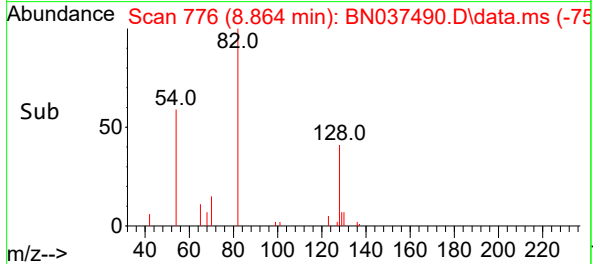
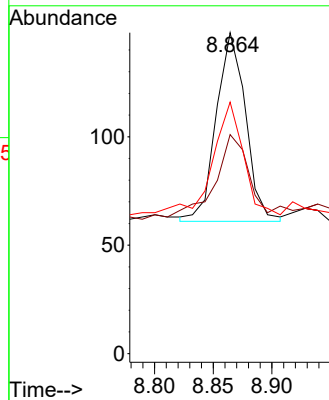
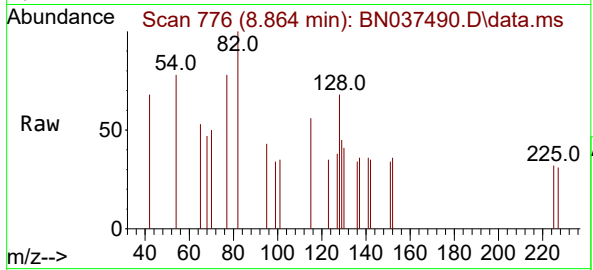




#8
Nitrobenzene-d5
Concen: 0.039 ng
RT: 8.864 min Scan# 776
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

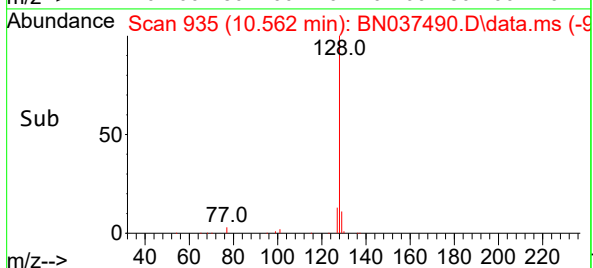
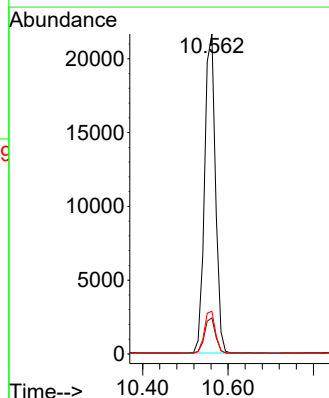
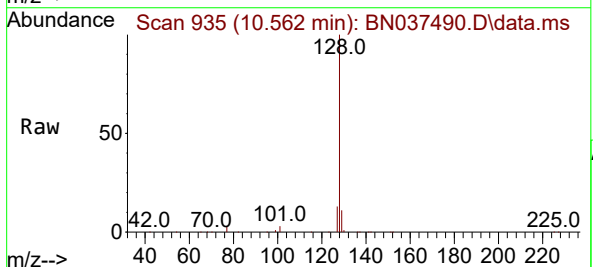
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

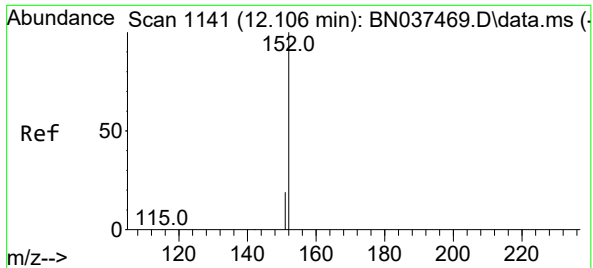
Tgt Ion	82	Resp:	151
Ion	Ratio	Lower	Upper
82	100		
128	68.2	33.1	49.7#
54	78.4	53.0	79.4



#9
Naphthalene
Concen: 2.700 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion	128	Resp:	38208
Ion	Ratio	Lower	Upper
128	100		
129	11.3	10.2	15.2
127	13.4	11.8	17.6

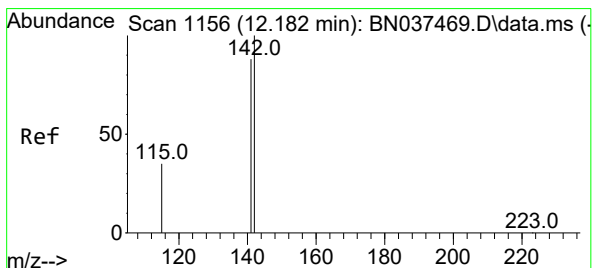
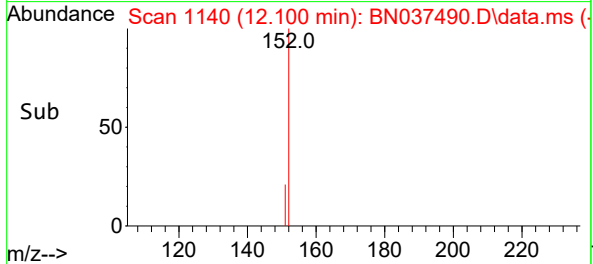
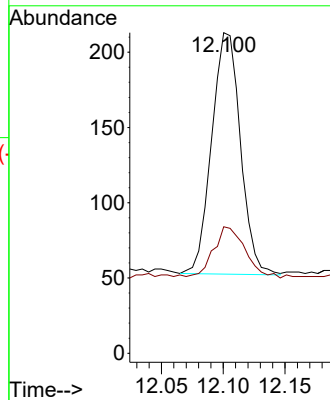
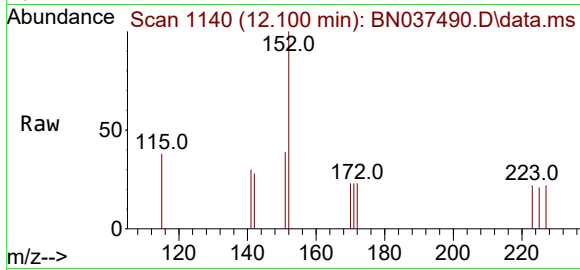




#11
2-Methylnaphthalene-d10
Concen: 0.036 ng
RT: 12.100 min Scan# 1140
Delta R.T. -0.005 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

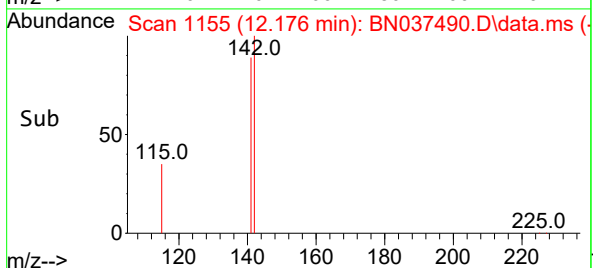
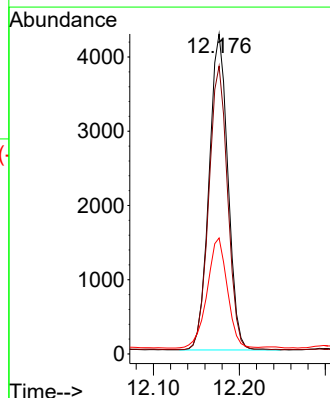
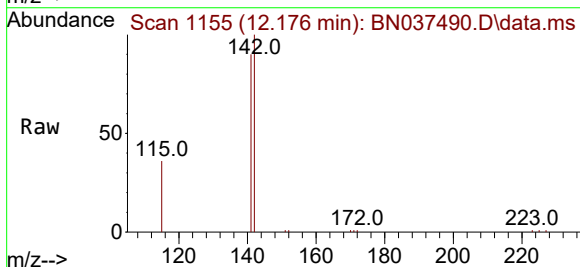
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

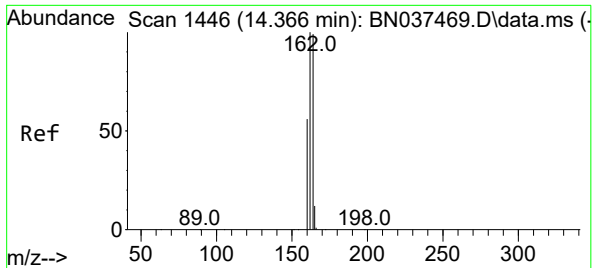
Tgt Ion:152 Resp: 260
Ion Ratio Lower Upper
152 100
151 23.5 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.730 ng
RT: 12.176 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:142 Resp: 6473
Ion Ratio Lower Upper
142 100
141 90.0 70.6 105.8
115 36.2 30.0 45.0

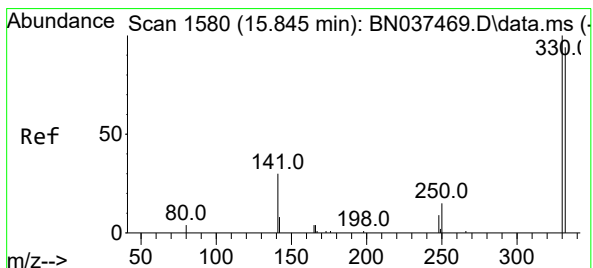
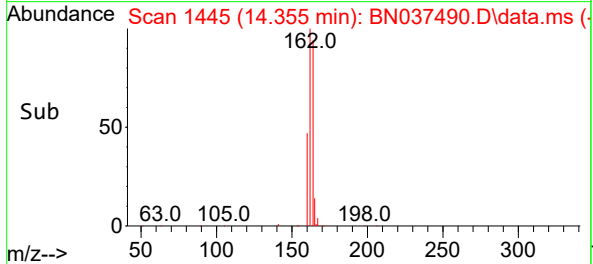
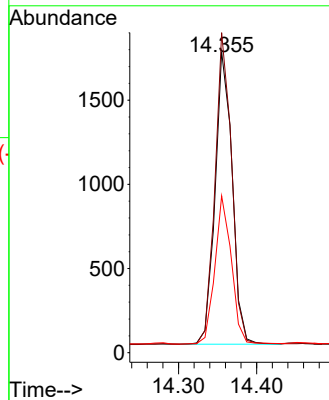
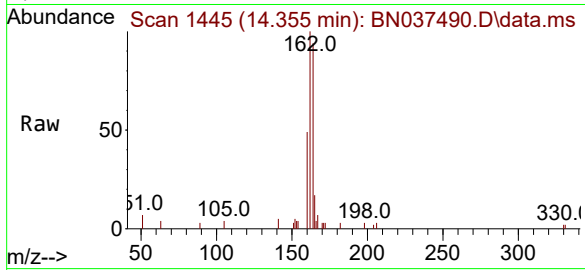




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.355 min Scan# 1446
Delta R.T. -0.011 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

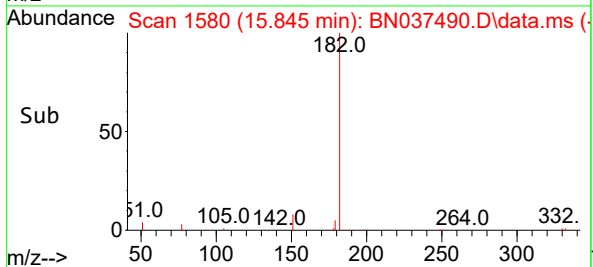
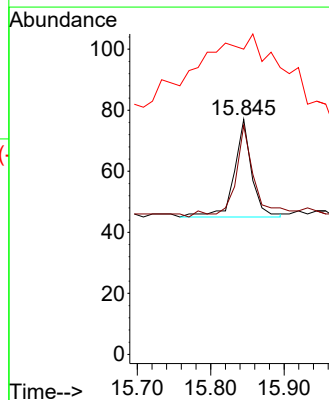
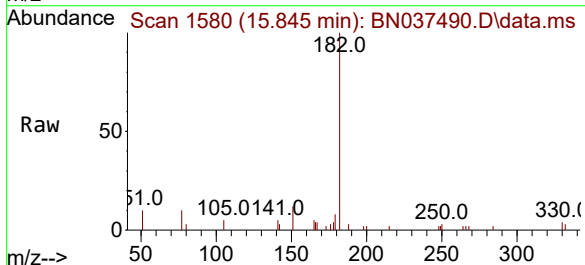
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

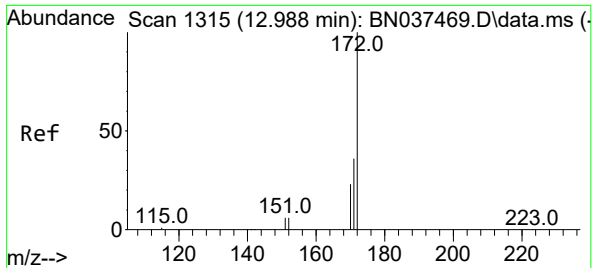
Tgt Ion:164 Resp: 2641
Ion Ratio Lower Upper
164 100
162 106.3 81.1 121.7
160 52.1 46.5 69.7



#14
2,4,6-Tribromophenol
Concen: 0.059 ng
RT: 15.845 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:330 Resp: 53
Ion Ratio Lower Upper
330 100
332 105.7 82.0 123.0
141 460.4 36.2 54.2#





#15

2-Fluorobiphenyl

Concen: 0.030 ng

RT: 12.988 min Scan# 1315

Delta R.T. -0.000 min

Lab File: BN037490.D

Acq: 14 Jul 2025 14:21

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2

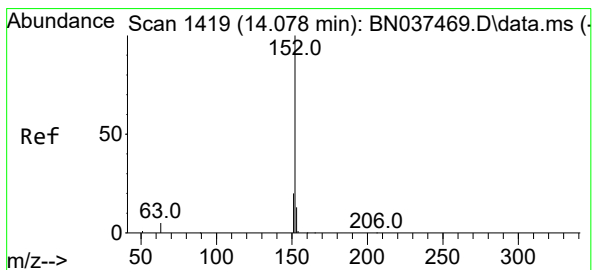
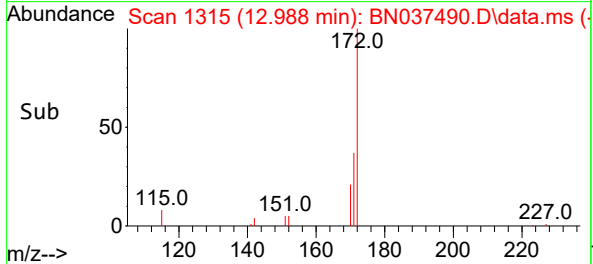
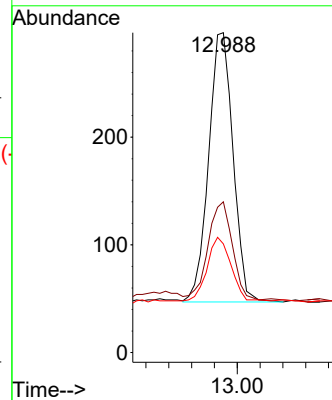
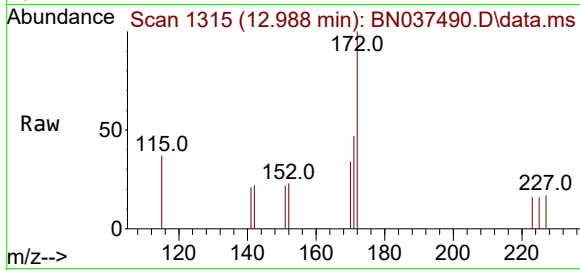
Tgt Ion:172 Resp: 456

Ion Ratio Lower Upper

172 100

171 47.1 29.8 44.8#

170 34.0 20.0 30.0#



#16

Acenaphthylene

Concen: 1.045 ng

RT: 14.077 min Scan# 1419

Delta R.T. -0.000 min

Lab File: BN037490.D

Acq: 14 Jul 2025 14:21

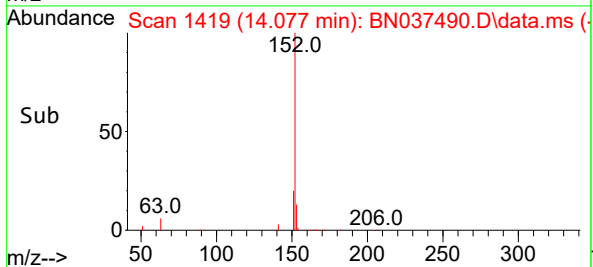
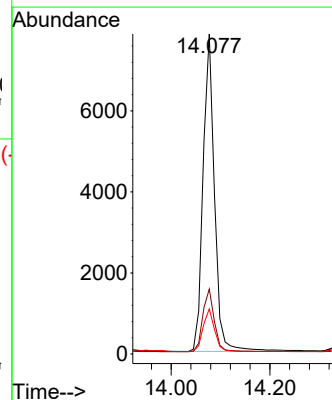
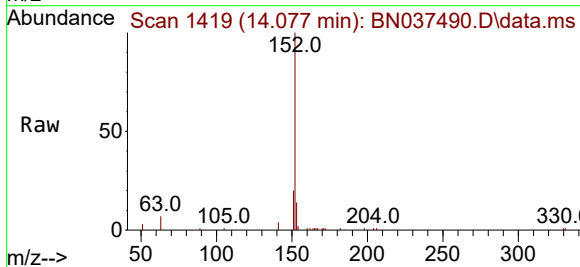
Tgt Ion:152 Resp: 12589

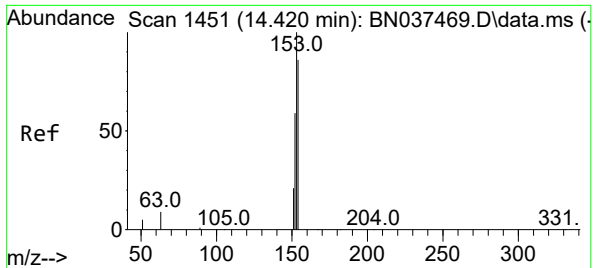
Ion Ratio Lower Upper

152 100

151 20.0 16.4 24.6

153 13.6 10.6 15.8

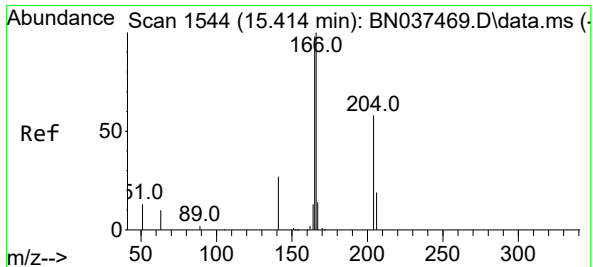
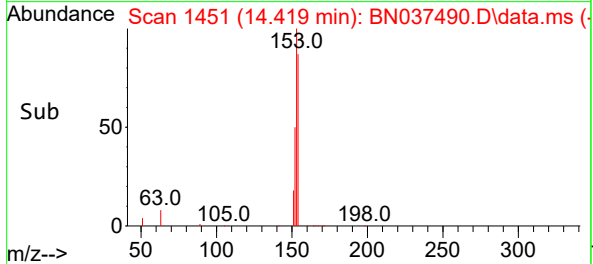
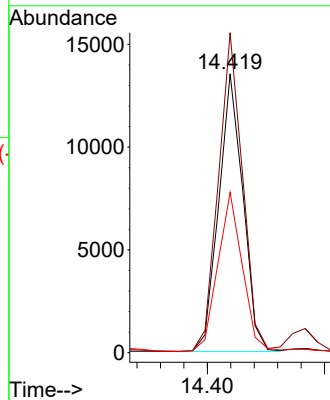
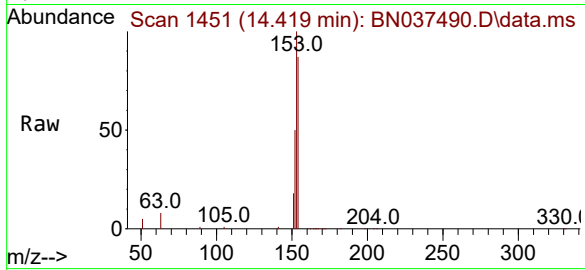




#17
Acenaphthene
Concen: 2.396 ng
RT: 14.419 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

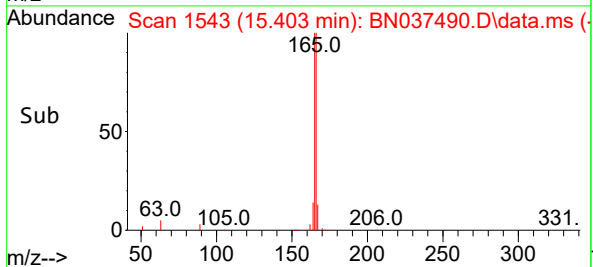
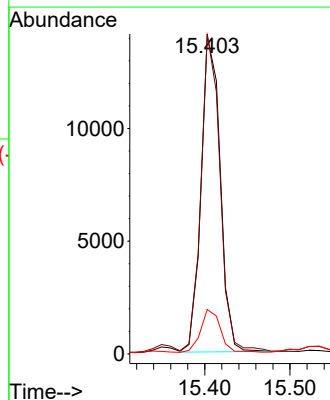
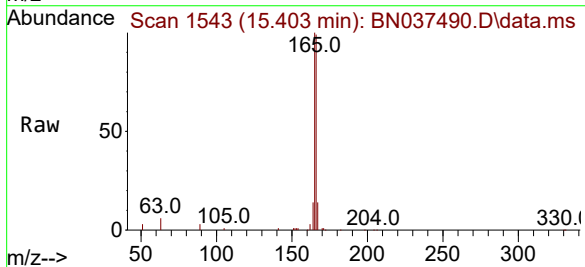
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

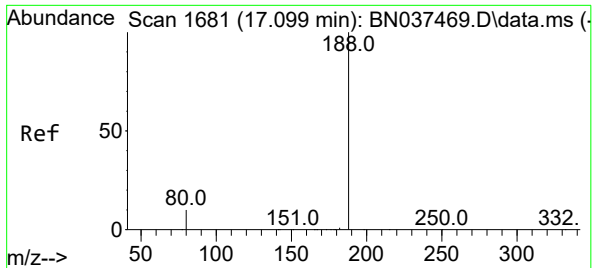
Tgt Ion:154 Resp: 19362
Ion Ratio Lower Upper
154 100
153 114.2 89.4 134.0
152 58.6 53.2 79.8



#18
Fluorene
Concen: 2.144 ng
RT: 15.403 min Scan# 1543
Delta R.T. -0.011 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:166 Resp: 21768
Ion Ratio Lower Upper
166 100
165 99.6 79.4 119.2
167 13.9 10.6 15.8

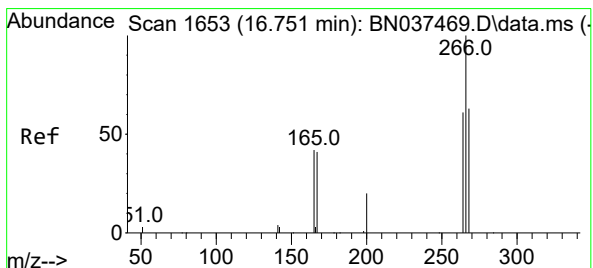
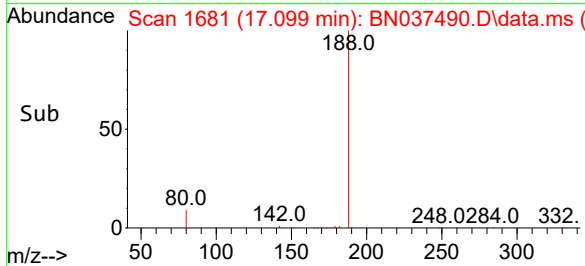
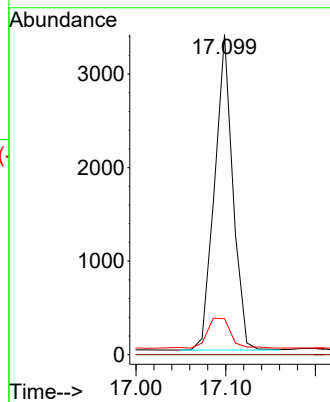
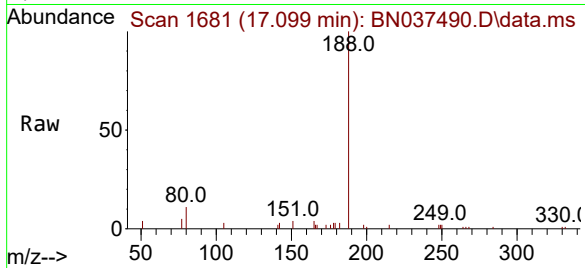




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1681
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

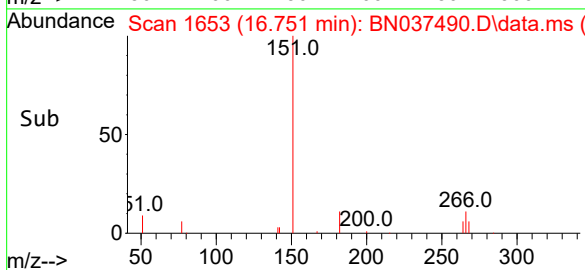
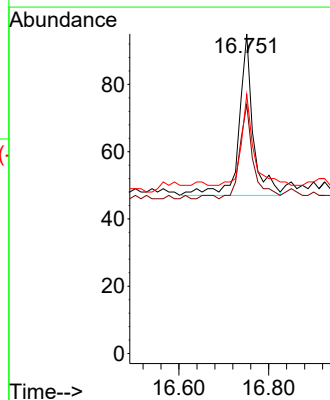
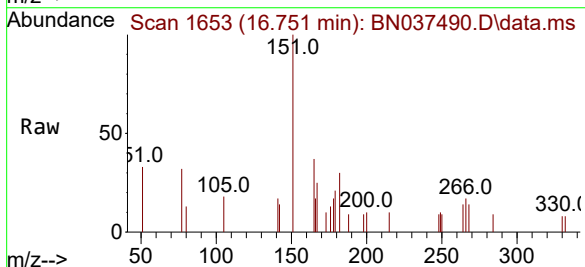
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

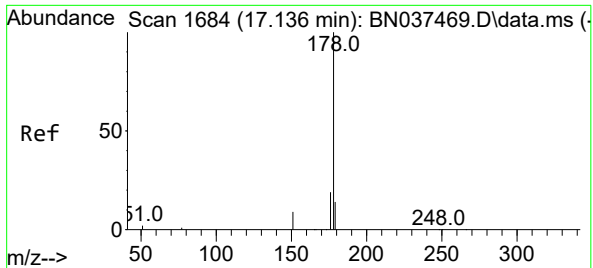
Tgt Ion:188 Resp: 4759
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.3 9.3 13.9



#24
Pentachlorophenol
Concen: 0.074 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:266 Resp: 104
Ion Ratio Lower Upper
266 100
264 56.7 47.5 71.3
268 49.0 50.6 76.0#

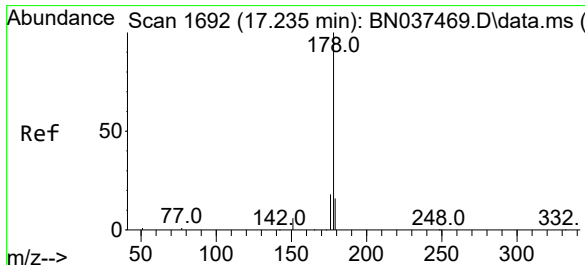
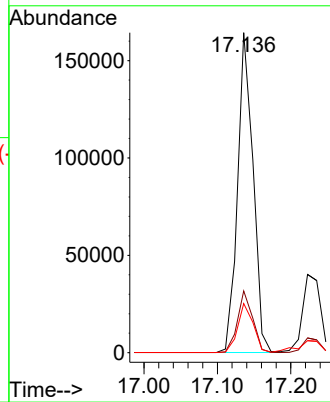
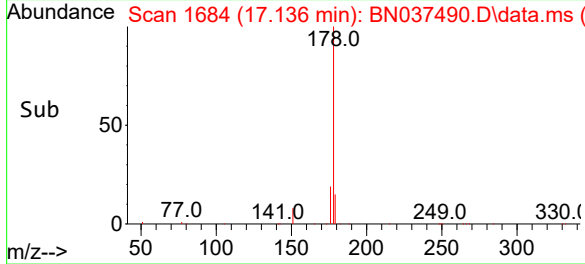
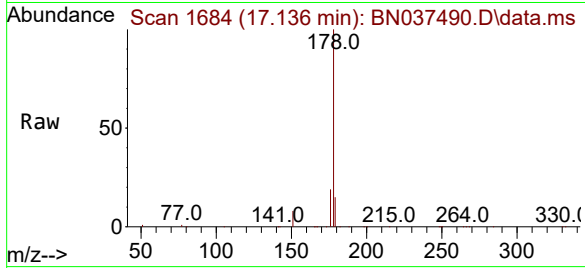




#25
Phenanthrene
Concen: 16.588 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

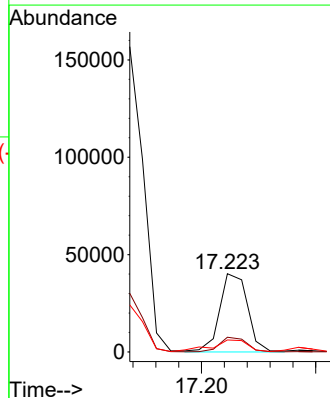
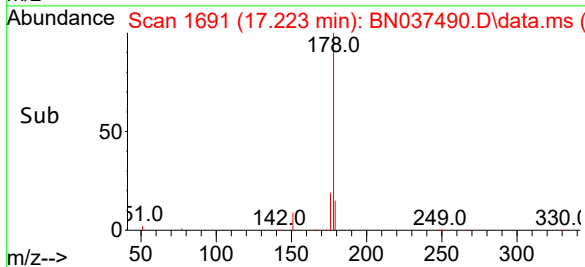
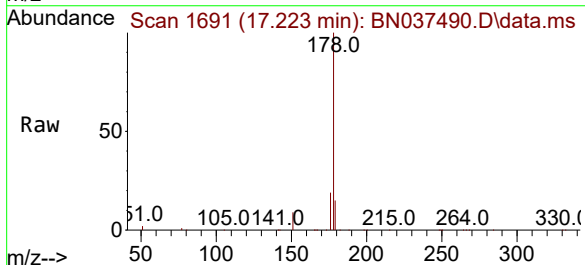
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

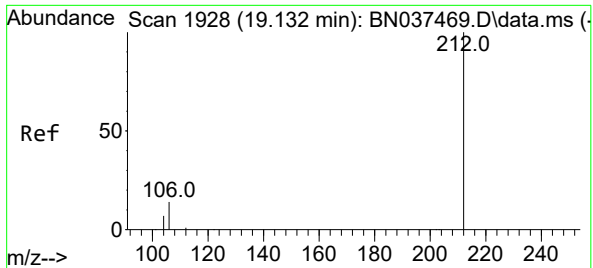
Tgt Ion:178 Resp: 240376
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.4 12.2 18.2



#26
Anthracene
Concen: 5.227 ng m
RT: 17.223 min Scan# 1691
Delta R.T. -0.013 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:178 Resp: 68350
Ion Ratio Lower Upper
178 100
176 66.3 14.9 22.3#
179 54.2 12.3 18.5#

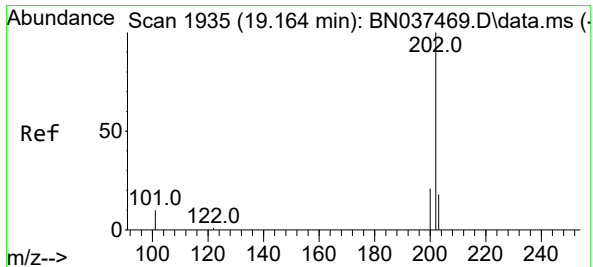
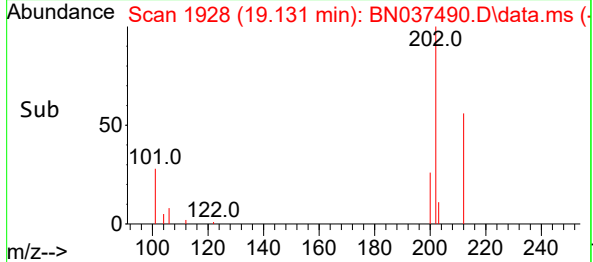
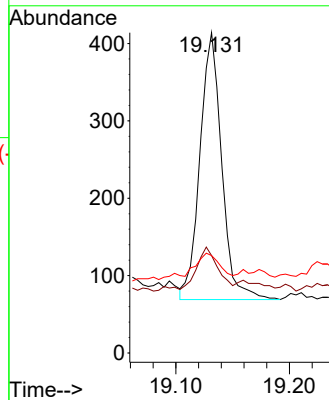
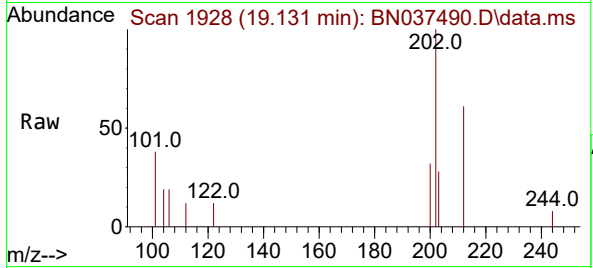




#27
Fluoranthene-d10
Concen: 0.038 ng
RT: 19.131 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

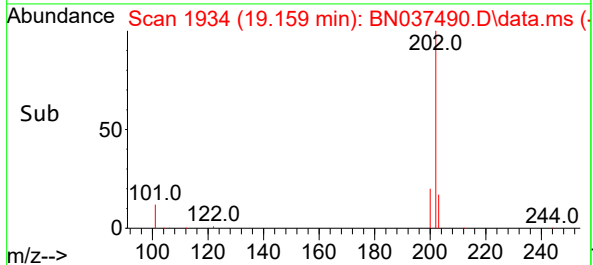
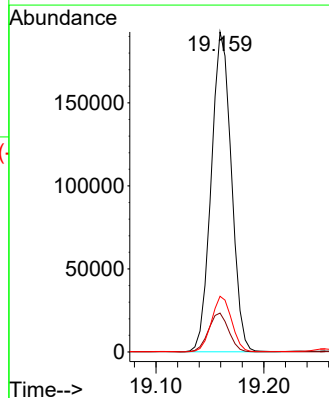
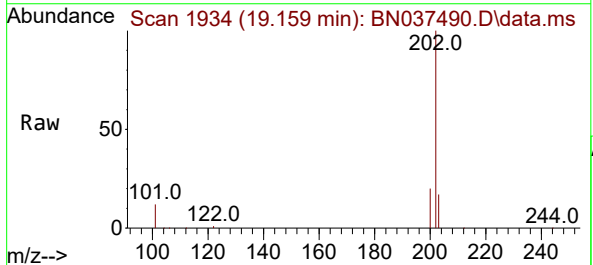
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

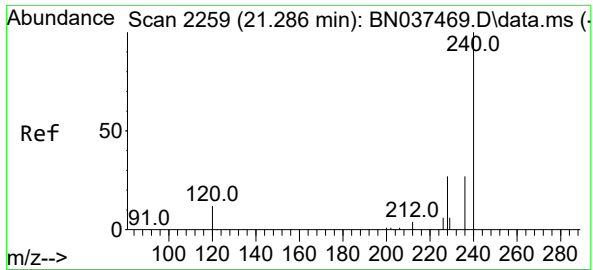
Tgt Ion:212 Resp: 459
Ion Ratio Lower Upper
212 100
106 15.0 11.7 17.5
104 12.2 6.6 10.0#



#28
Fluoranthene
Concen: 15.698 ng
RT: 19.159 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:202 Resp: 249627
Ion Ratio Lower Upper
202 100
101 12.2 9.2 13.8
203 17.3 14.0 21.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037490.D

Acq: 14 Jul 2025 14:21

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2

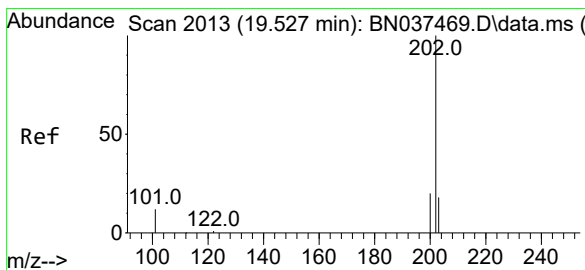
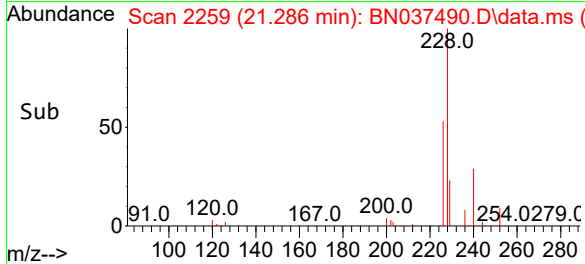
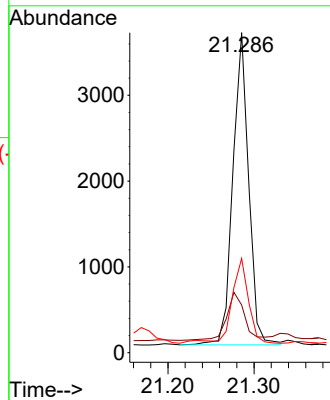
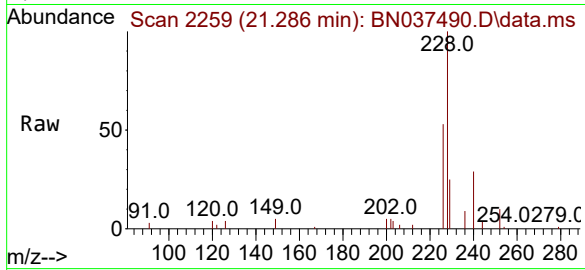
Tgt Ion:240 Resp: 4632

Ion Ratio Lower Upper

240 100

120 14.9 12.4 18.6

236 29.4 22.9 34.3



#30

Pyrene

Concen: 11.985 ng

RT: 19.522 min Scan# 2012

Delta R.T. -0.005 min

Lab File: BN037490.D

Acq: 14 Jul 2025 14:21

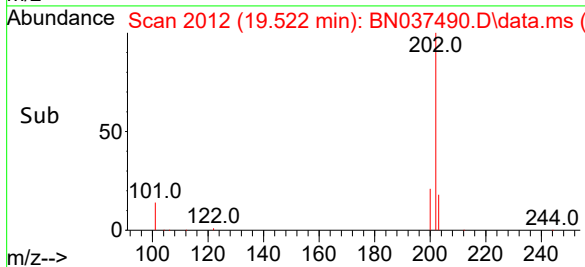
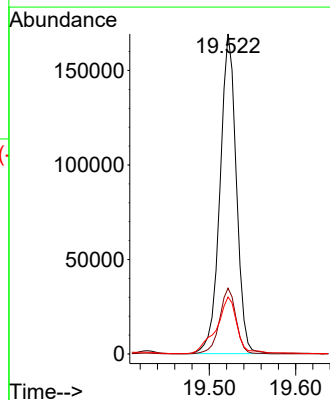
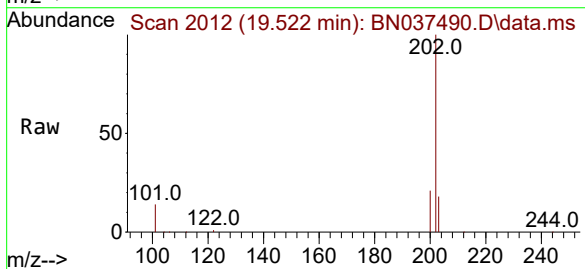
Tgt Ion:202 Resp: 223187

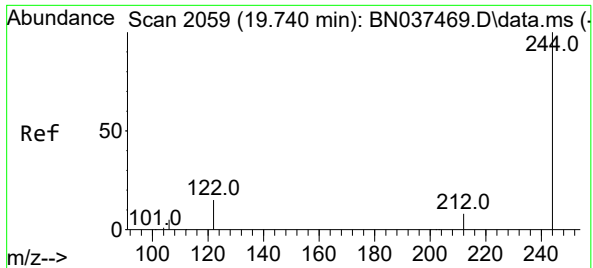
Ion Ratio Lower Upper

202 100

200 20.7 16.4 24.6

203 22.7 14.3 21.5#

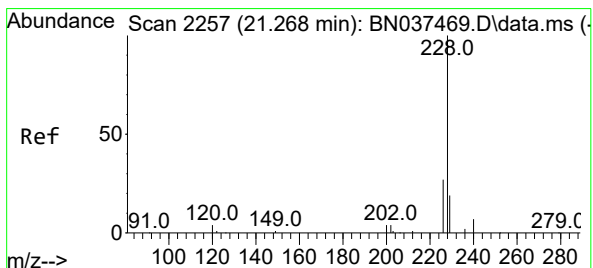
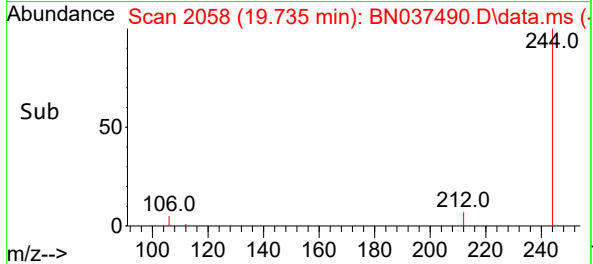
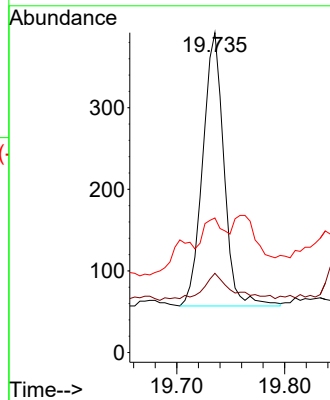
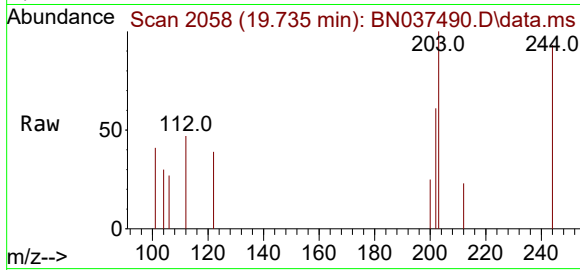




#31
Terphenyl-d14
Concen: 0.047 ng
RT: 19.735 min Scan# 2058
Delta R.T. -0.005 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

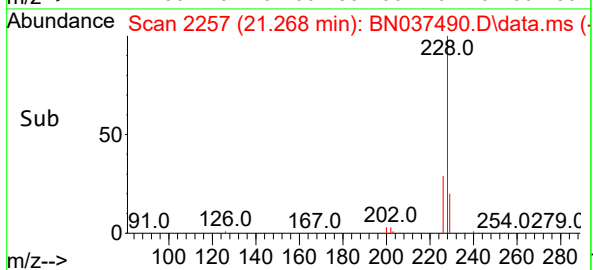
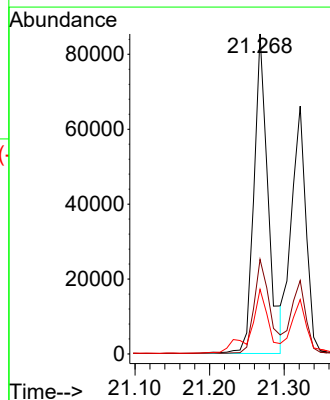
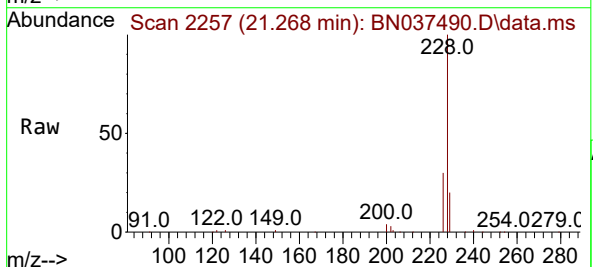
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

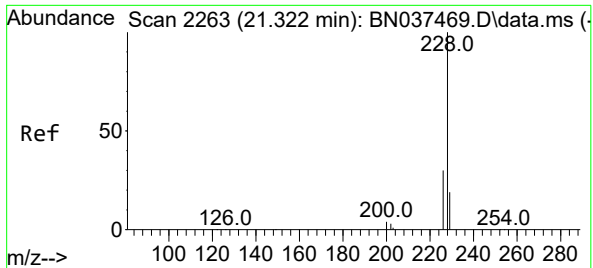
Tgt Ion:244 Resp: 458
Ion Ratio Lower Upper
244 100
212 24.7 8.7 13.1#
122 42.1 14.1 21.1#



#32
Benzo(a)anthracene
Concen: 7.178 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:228 Resp: 112590
Ion Ratio Lower Upper
228 100
226 29.5 22.7 34.1
229 20.2 16.6 24.8

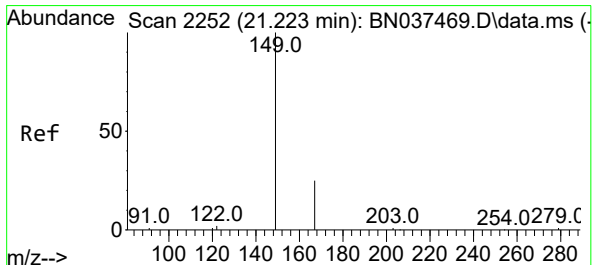
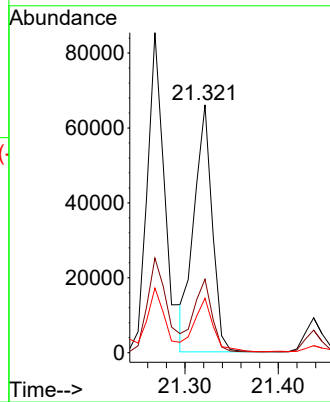
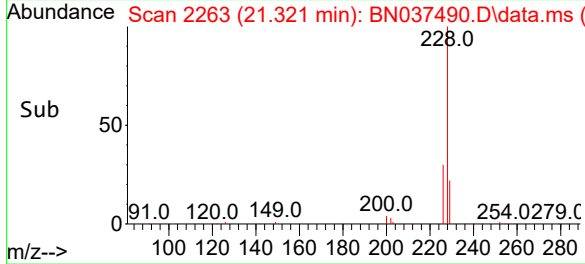
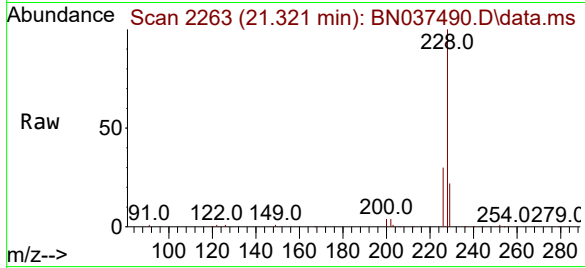




#33
Chrysene
Concen: 5.211 ng
RT: 21.321 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

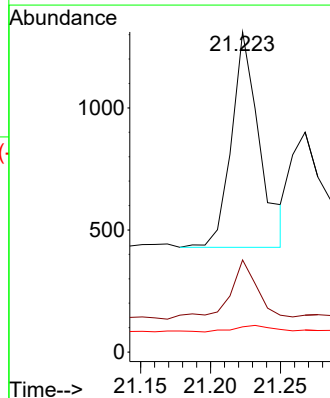
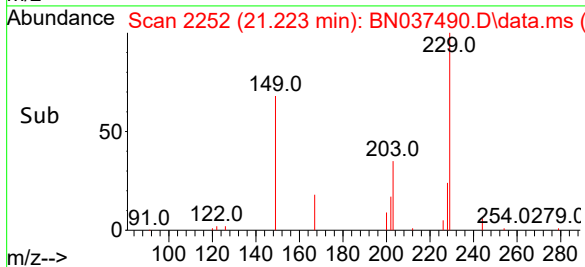
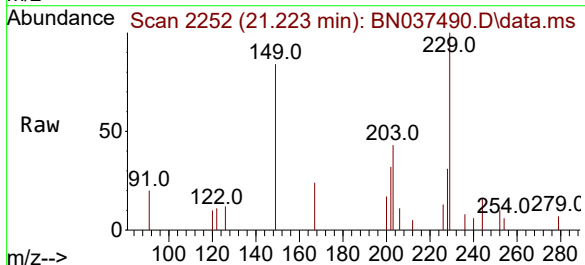
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

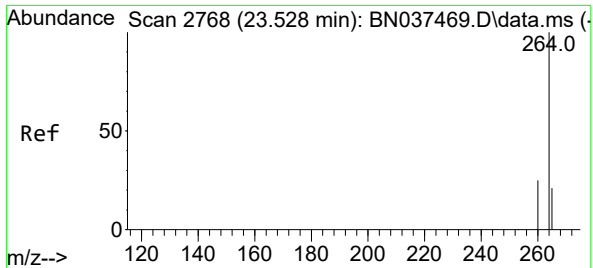
Tgt Ion:228 Resp: 89352
Ion Ratio Lower Upper
228 100
226 29.7 24.6 36.8
229 21.9 16.4 24.6



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.230 ng
RT: 21.223 min Scan# 2252
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:149 Resp: 1225
Ion Ratio Lower Upper
149 100
167 27.8 19.4 29.2
279 4.9 2.5 3.7#

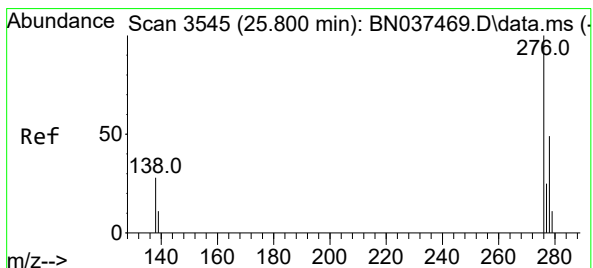
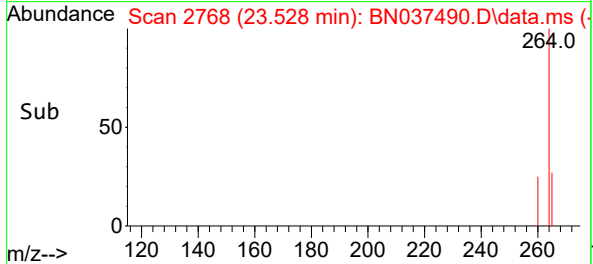
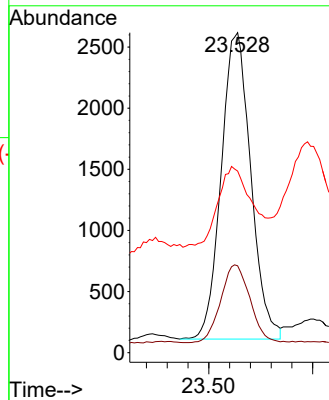
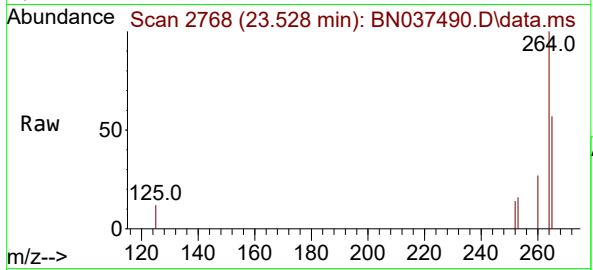




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.528 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

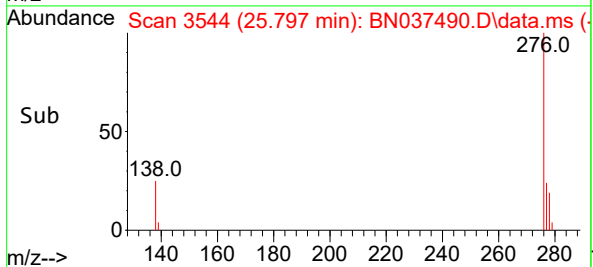
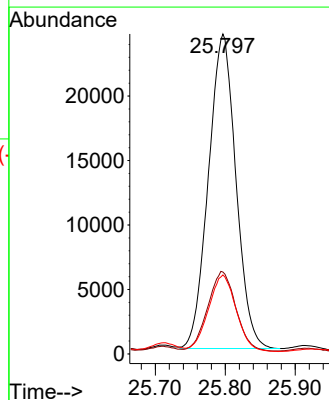
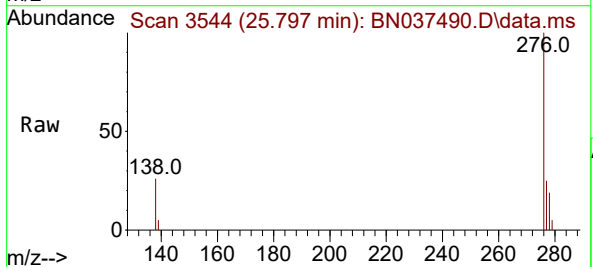
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

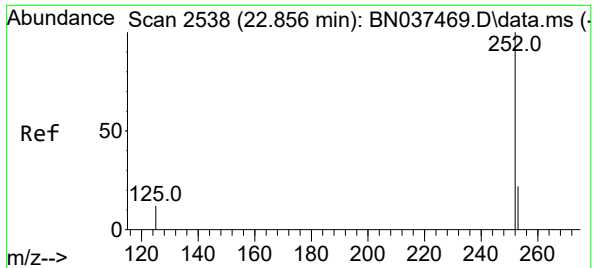
Tgt Ion:264 Resp: 4958
Ion Ratio Lower Upper
264 100
260 27.1 21.7 32.5
265 56.8 41.6 62.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 3.458 ng
RT: 25.797 min Scan# 3544
Delta R.T. -0.003 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:276 Resp: 66542
Ion Ratio Lower Upper
276 100
138 25.9 23.4 35.2
277 24.8 19.8 29.8

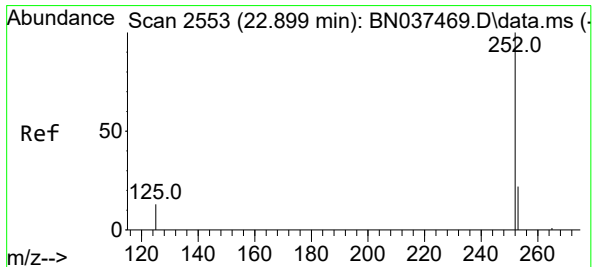
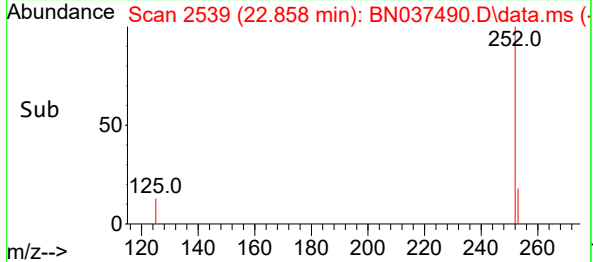
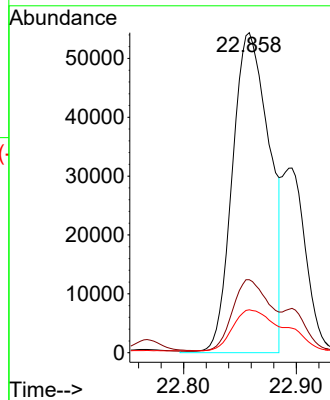
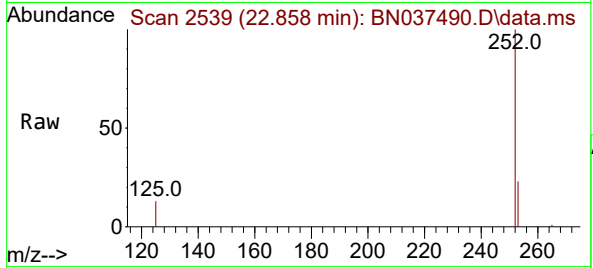




#37
Benzo(b)fluoranthene
Concen: 6.439 ng m
RT: 22.858 min Scan# 2538
Delta R.T. 0.003 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

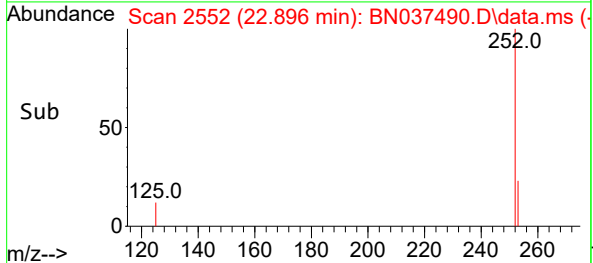
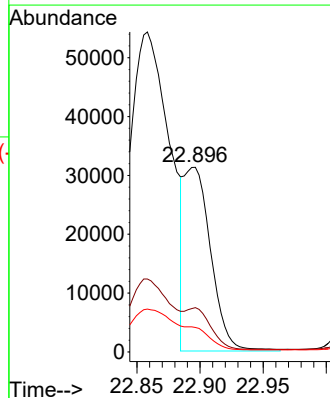
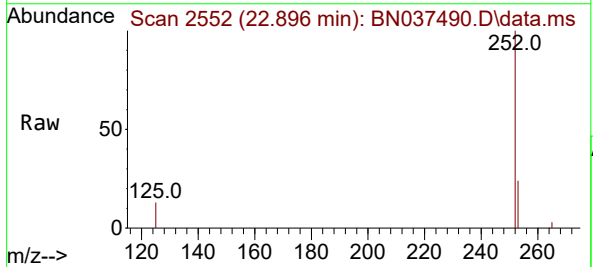
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

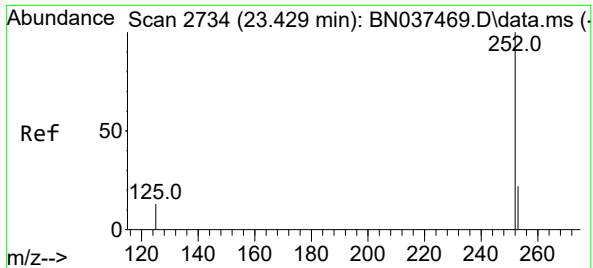
Tgt Ion:252 Resp: 124144
Ion Ratio Lower Upper
252 100
253 22.8 20.1 30.1
125 13.4 13.7 20.5#



#38
Benzo(k)fluoranthene
Concen: 2.363 ng m
RT: 22.896 min Scan# 2552
Delta R.T. -0.003 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:252 Resp: 46187
Ion Ratio Lower Upper
252 100
253 24.0 20.4 30.6
125 13.3 14.6 21.8#





#39

Benzo(a)pyrene

Concen: 6.383 ng m

RT: 23.428 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037490.D

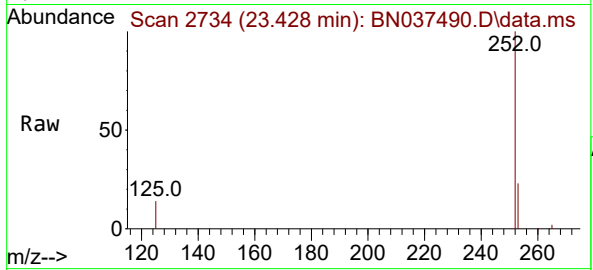
Acq: 14 Jul 2025 14:21

Instrument :

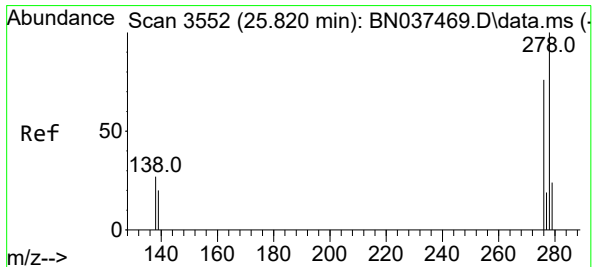
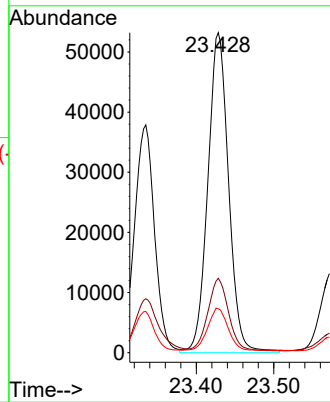
BNA_N

ClientSampleId :

WC-URBAN-FILL-B2



Tgt Ion:	252	Resp:	99045
Ion Ratio	Lower	Upper	
252	100		
253	23.3	21.8	32.6
125	13.7	16.7	25.1



#40

Dibenzo(a,h)anthracene

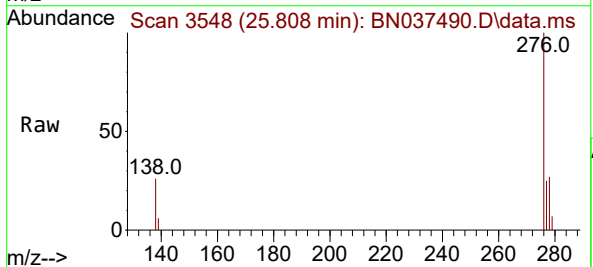
Concen: 1.009 ng

RT: 25.808 min Scan# 3548

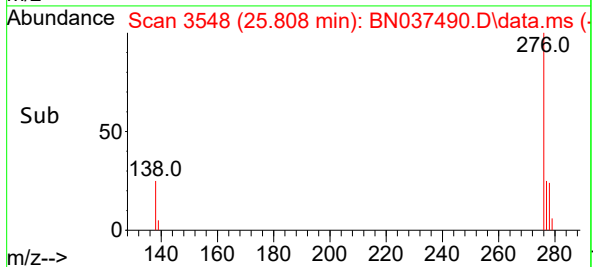
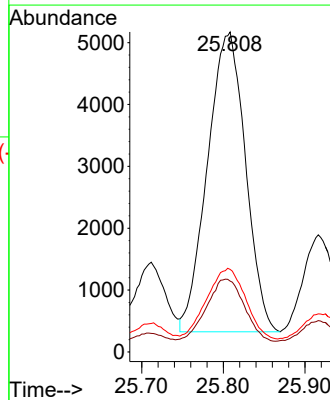
Delta R.T. -0.012 min

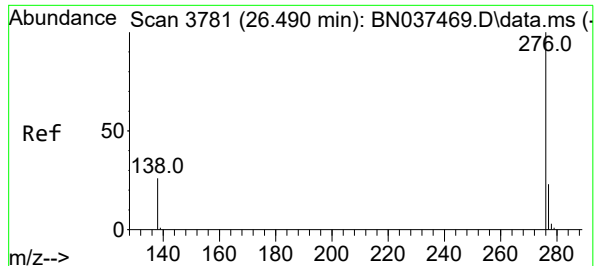
Lab File: BN037490.D

Acq: 14 Jul 2025 14:21



Tgt Ion:	278	Resp:	15659
Ion Ratio	Lower	Upper	
278	100		
139	22.2	19.9	29.9
279	25.8	24.8	37.2





#41

Benzo(g,h,i)perylene

Concen: 4.443 ng

RT: 26.486 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN037490.D

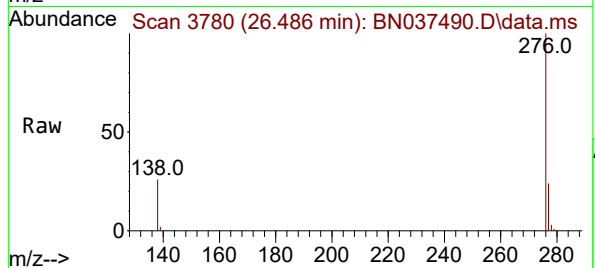
Acq: 14 Jul 2025 14:21

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2



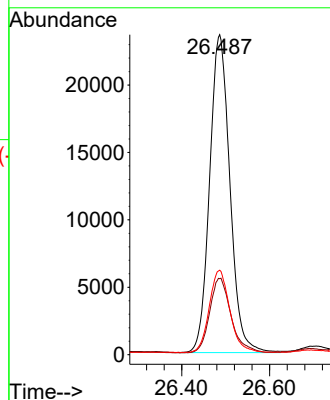
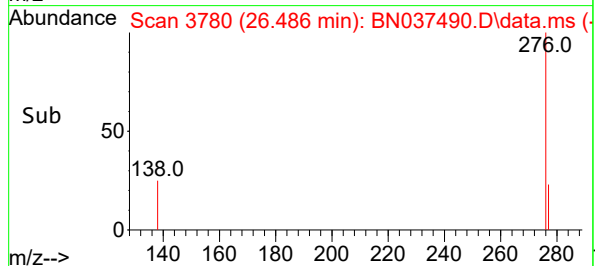
Tgt Ion:276 Resp: 75545

Ion Ratio Lower Upper

276 100

277 23.7 21.7 32.5

138 26.4 24.3 36.5



Report of Analysis

Client:	ENTACT	Date Collected:	07/10/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	07/10/25
Client Sample ID:	WC-URBAN-FILL-B2DL	SDG No.:	Q2580
Lab Sample ID:	Q2580-02DL	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	94.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037493.D	100	07/14/25 09:20	07/14/25 16:11	PB168831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.96	D	0.12	0.35	mg/Kg
91-57-6	2-Methylnaphthalene	0.26	JD	0.13	0.35	mg/Kg
208-96-8	Acenaphthylene	0.44	D	0.11	0.35	mg/Kg
83-32-9	Acenaphthene	0.83	D	0.12	0.35	mg/Kg
86-73-7	Fluorene	0.77	D	0.12	0.35	mg/Kg
85-01-8	Phenanthrene	5.90	D	0.12	0.35	mg/Kg
120-12-7	Anthracene	1.80	D	0.13	0.35	mg/Kg
206-44-0	Fluoranthene	5.60	D	0.13	0.35	mg/Kg
129-00-0	Pyrene	4.50	D	0.11	0.35	mg/Kg
56-55-3	Benzo(a)anthracene	2.50	D	0.14	0.35	mg/Kg
218-01-9	Chrysene	2.20	D	0.14	0.35	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.40	D	0.17	0.35	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.89	D	0.19	0.35	mg/Kg
50-32-8	Benzo(a)pyrene	2.30	D	0.15	0.35	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.30	D	0.19	0.35	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.38	D	0.19	0.35	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.70	D	0.18	0.35	mg/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0	*	30 (17) - 150 (161)	0%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0	*	30 (23) - 150 (138)	0%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0	*	30 (33) - 130 (121)	0%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0	*	30 (32) - 130 (121)	0%	SPK: 0.4
1718-51-0	Terphenyl-d14	0	*	30 (21) - 130 (130)	0%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2100		7.732		
1146-65-2	Naphthalene-d8	5370		10.509		
15067-26-2	Acenaphthene-d10	2600		14.356		
1517-22-2	Phenanthrene-d10	4570		17.099		
1719-03-5	Chrysene-d12	4210		21.286		

Report of Analysis

Client:	ENTACT	Date Collected:	07/10/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	07/10/25
Client Sample ID:	WC-URBAN-FILL-B2DL	SDG No.:	Q2580
Lab Sample ID:	Q2580-02DL	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	94.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037493.D	100	07/14/25 09:20	07/14/25 16:11	PB168831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	4610	23.525			

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\BN071425\
 Data File : BN037493.D
 Acq On : 14 Jul 2025 16:11
 Operator : RC/JU
 Sample : Q2580-02DL 100X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 WC-URBAN-FILL-B2DL

Quant Time: Jul 14 16:37:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:38:34 2025
 Response via : Initial Calibration

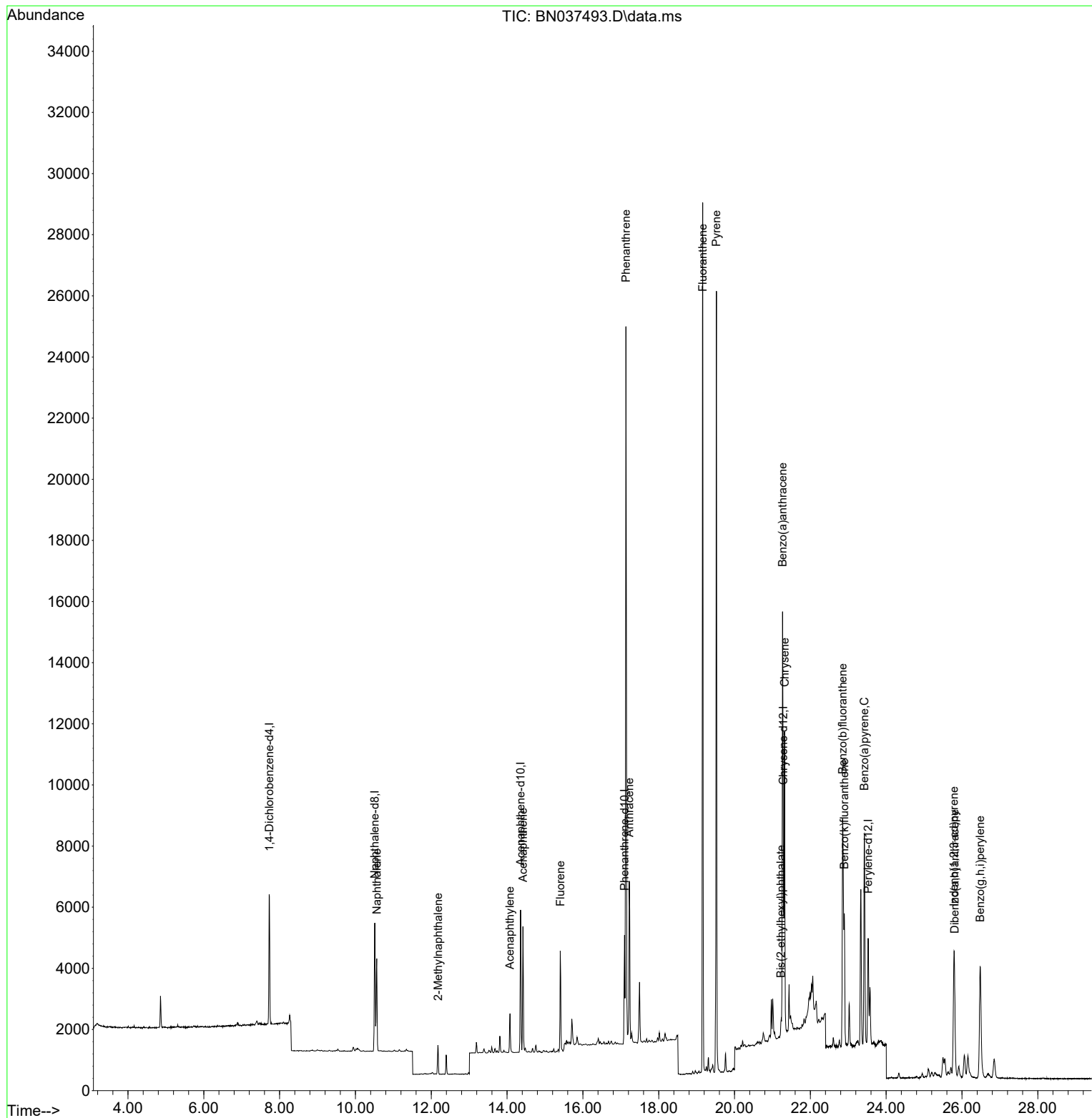
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	2104	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	5369	0.400	ng	# 0.00
13) Acenaphthene-d10	14.356	164	2602	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	4565	0.400	ng	0.00
29) Chrysene-d12	21.286	240	4208	0.400	ng	0.00
35) Perylene-d12	23.525	264	4610	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.000	ng	
5) Phenol-d6	0.000	99	0d	0.000	ng	
8) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
9) Naphthalene	10.562	128	3957	0.274	ng	99
12) 2-Methylnaphthalene	12.177	142	664	0.073	ng	# 96
16) Acenaphthylene	14.078	152	1469	0.124	ng	99
17) Acenaphthene	14.420	154	1889	0.237	ng	95
18) Fluorene	15.403	166	2187	0.219	ng	97
25) Phenanthrene	17.136	178	23354	1.680	ng	100
26) Anthracene	17.223	178	6294m	0.502	ng	
28) Fluoranthene	19.160	202	24420	1.601	ng	99
30) Pyrene	19.522	202	21620	1.278	ng	# 95
32) Benzo(a)anthracene	21.268	228	10197	0.716	ng	99
33) Chrysene	21.322	228	9643m	0.619	ng	
34) Bis(2-ethylhexyl)phtha...	21.223	149	311	0.064	ng	# 95
36) Indeno(1,2,3-cd)pyrene	25.791	276	6664	0.372	ng	97
37) Benzo(b)fluoranthene	22.853	252	12413	0.692	ng	99
38) Benzo(k)fluoranthene	22.894	252	4583m	0.252	ng	
39) Benzo(a)pyrene	23.423	252	9418	0.653	ng	94
40) Dibenzo(a,h)anthracene	25.806	278	1553	0.108	ng	# 90
41) Benzo(g,h,i)perylene	26.481	276	7527	0.476	ng	96

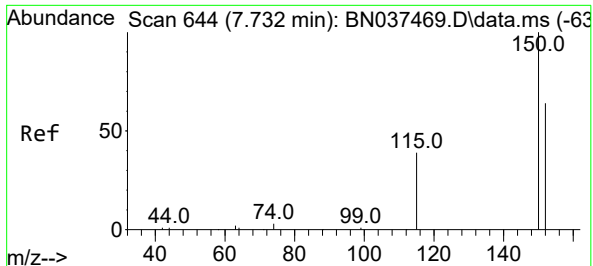
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
Data File : BN037493.D
Acq On : 14 Jul 2025 16:11
Operator : RC/JU
Sample : Q2580-02DL 100X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

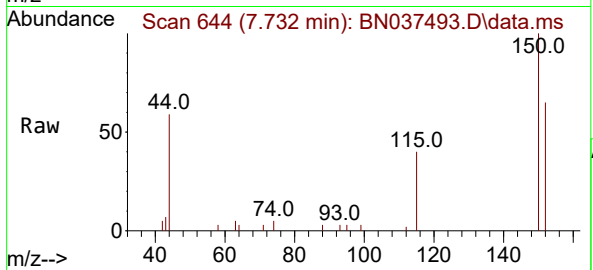
Quant Time: Jul 14 16:37:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:38:34 2025
Response via : Initial Calibration



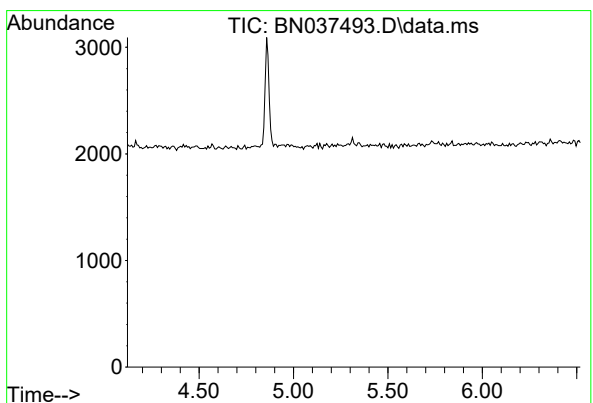
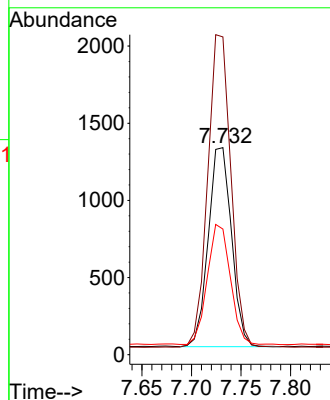
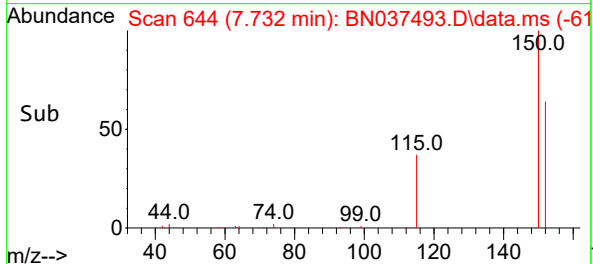


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.732 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL



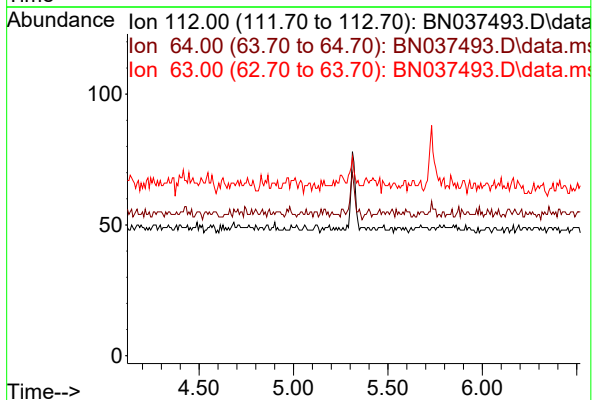
Tgt Ion:152 Resp: 2104
Ion Ratio Lower Upper
152 100
150 153.5 122.5 183.7
115 60.7 49.9 74.9

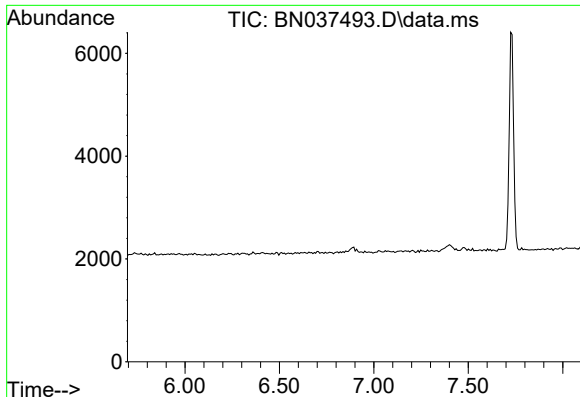


#4
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.32 min

Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion: 112
Sig Exp Ratio
112 100
64 56.7
63 30.9



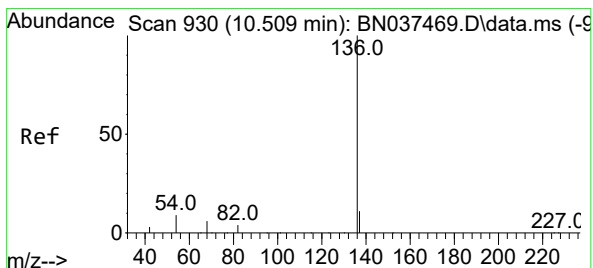
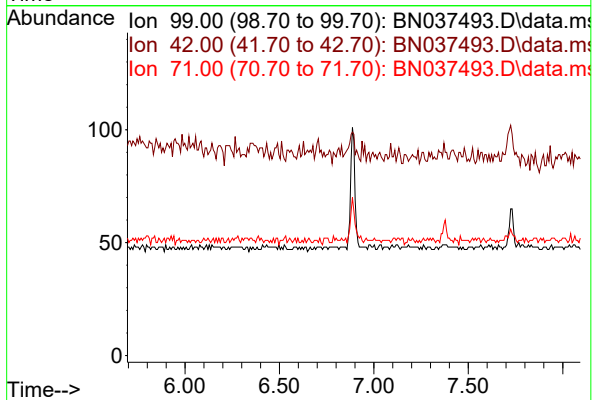


#5
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.89 min

Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

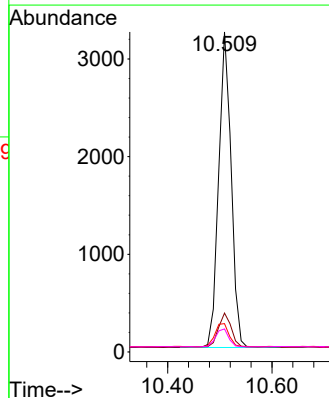
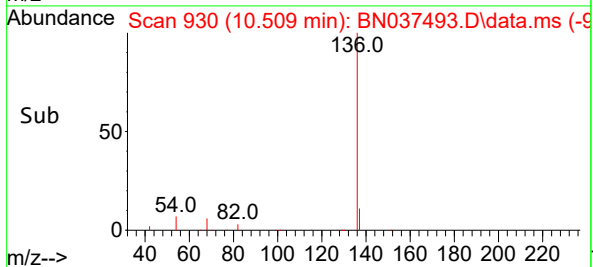
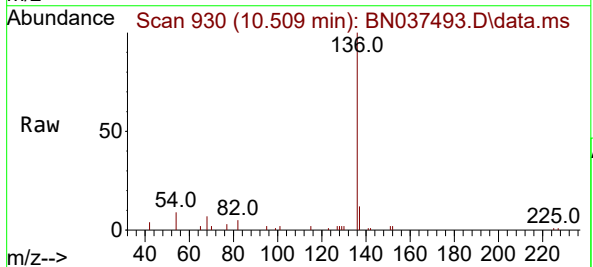
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

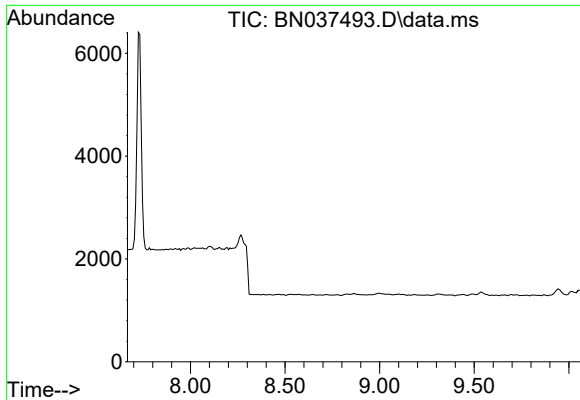
Tgt Ion: 99
Sig Exp Ratio
99 100
42 24.4
71 36.8



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 930
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion: 136 Resp: 5369
Ion Ratio Lower Upper
136 100
137 12.2 10.0 15.0
54 8.9 9.0 13.6#
68 7.2 6.1 9.1

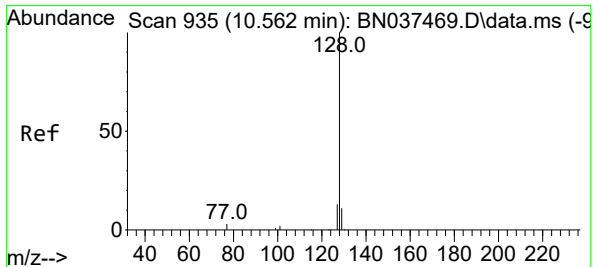
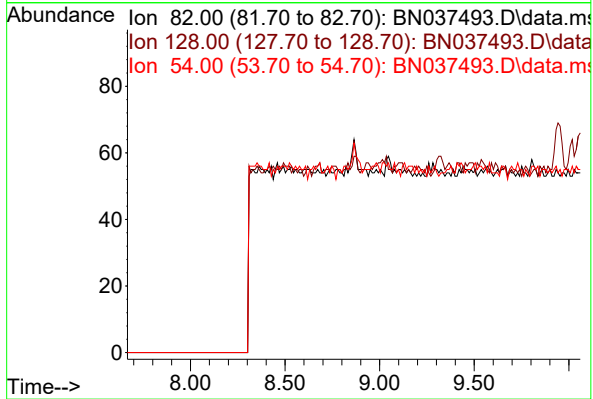




#8
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.86 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

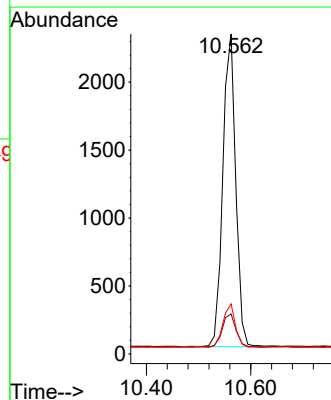
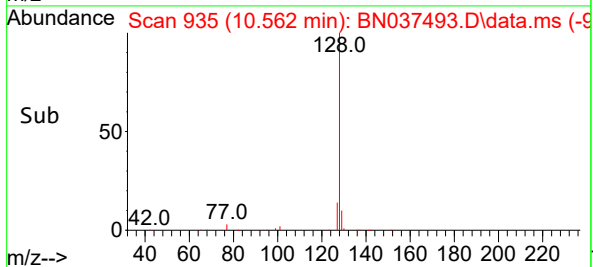
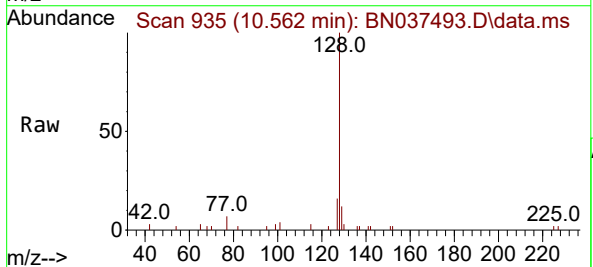
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

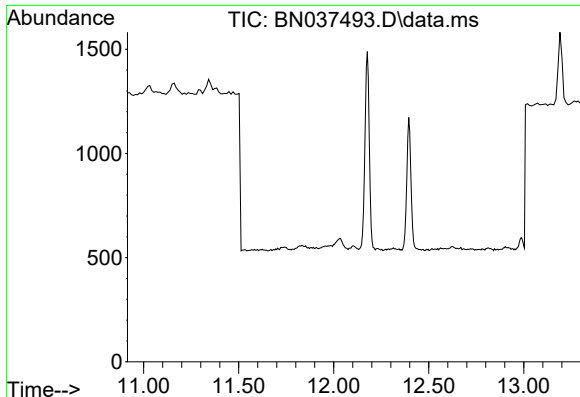
Tgt Ion: 82
Sig Exp Ratio
82 100
128 41.4
54 66.2



#9
Naphthalene
Concen: 0.274 ng
RT: 10.562 min Scan# 935
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion:128 Resp: 3957
Ion Ratio Lower Upper
128 100
129 12.5 10.2 15.2
127 15.6 11.8 17.6

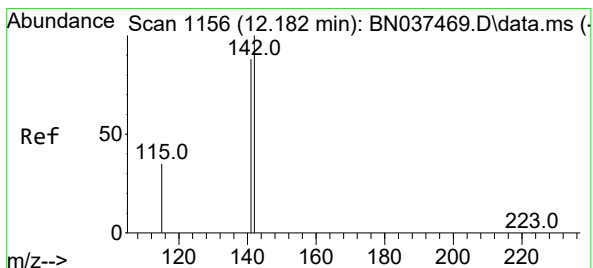
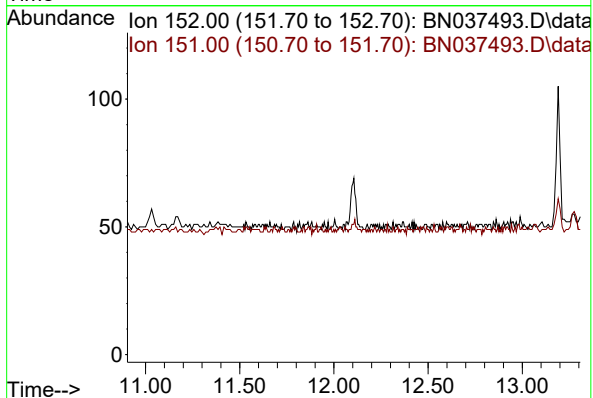




#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
Expected RT: 12.11 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

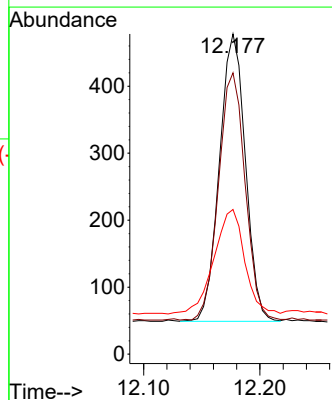
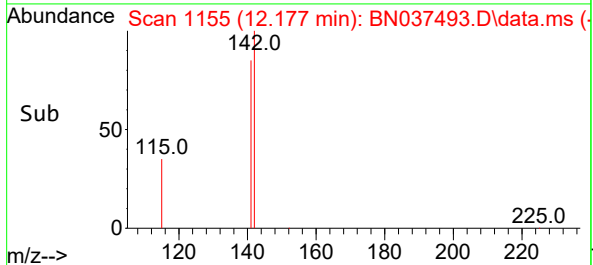
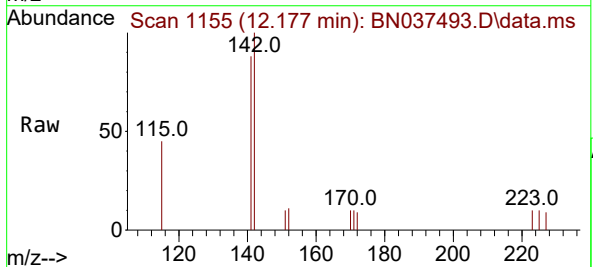
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

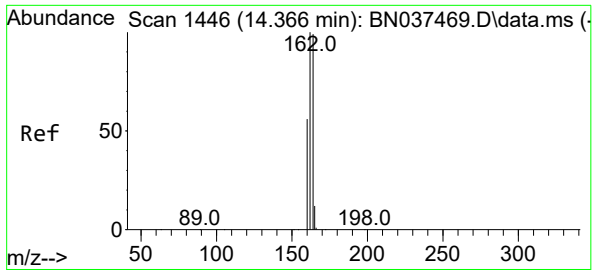
Tgt Ion: 152
Sig Exp Ratio
152 100
151 21.3



#12
2-Methylnaphthalene
Concen: 0.073 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion:142 Resp: 664
Ion Ratio Lower Upper
142 100
141 87.9 70.6 105.8
115 45.2 30.0 45.0#

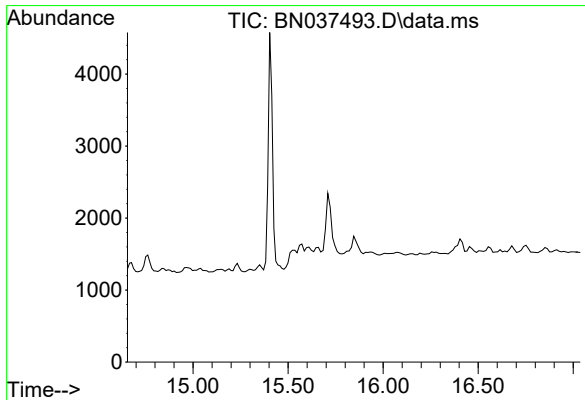
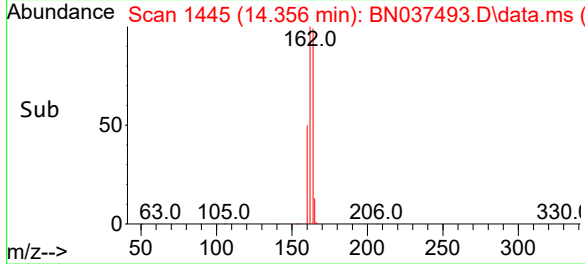
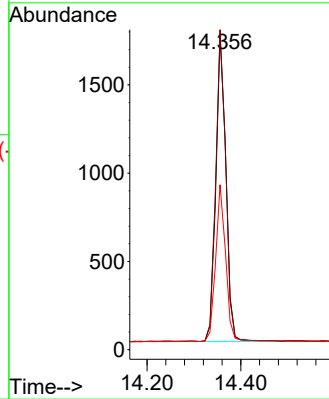
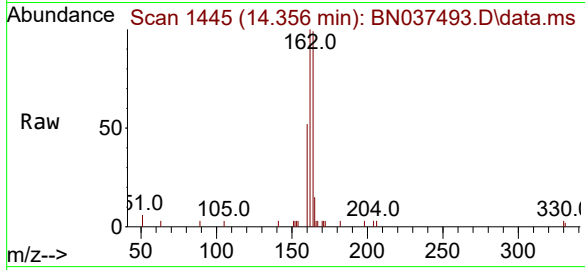




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.356 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

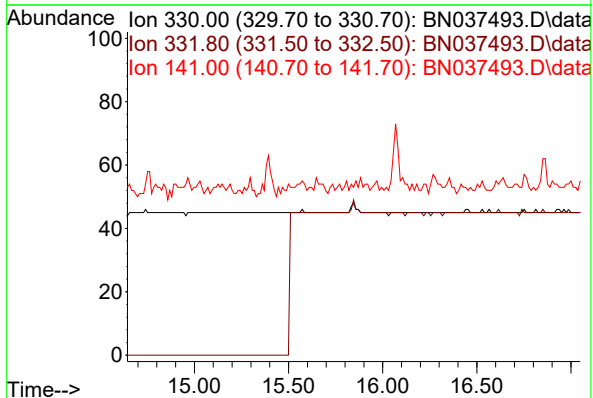
Tgt Ion:164 Resp: 2602
Ion Ratio Lower Upper
164 100
162 101.4 81.1 121.7
160 52.3 46.5 69.7

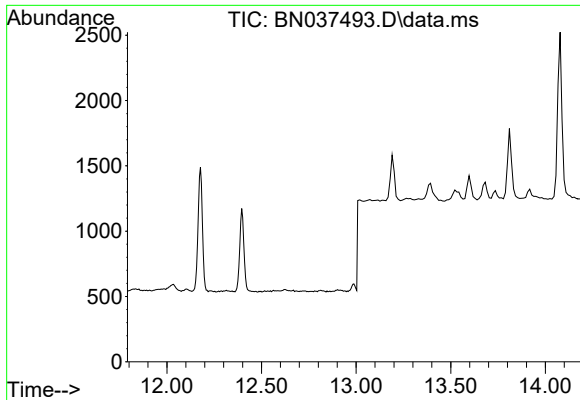


#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.85 min

Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion: 330
Sig Exp Ratio
330 100
332 102.5
141 45.2

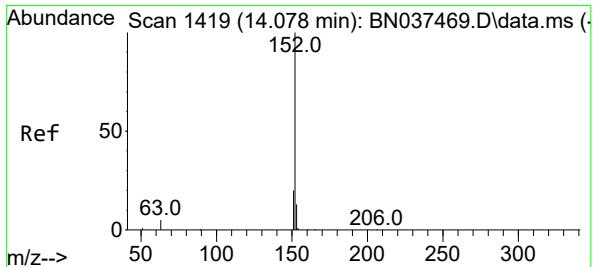
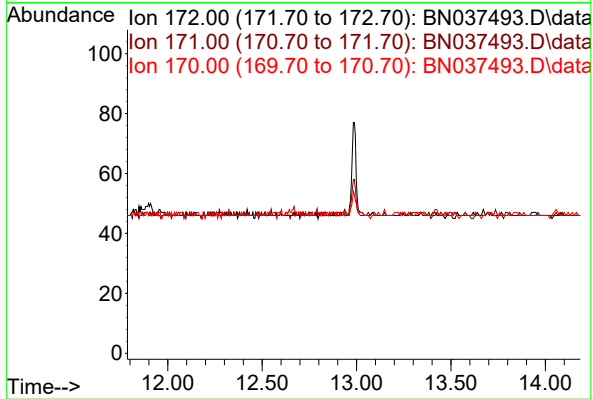




#15
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.99 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

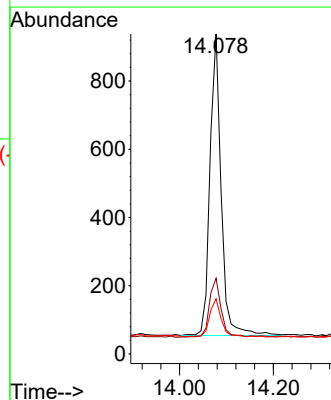
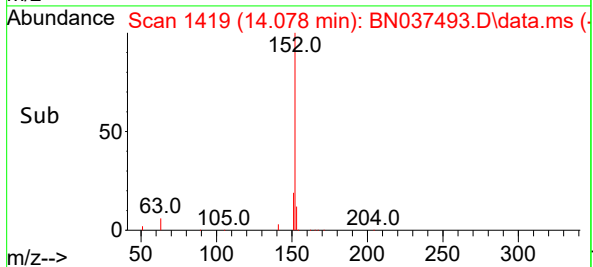
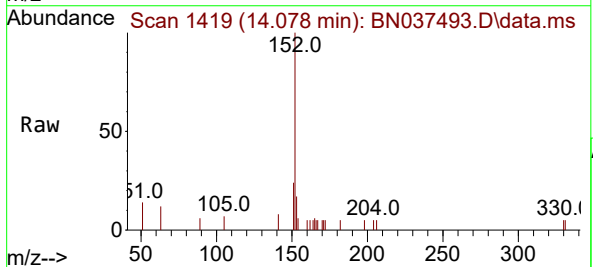
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

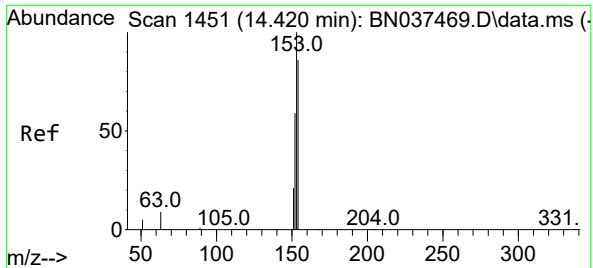
Tgt Ion: 172
Sig Exp Ratio
172 100
171 37.3
170 25.0



#16
Acenaphthylene
Concen: 0.124 ng
RT: 14.078 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion: 152 Resp: 1469
Ion Ratio Lower Upper
152 100
151 20.1 16.4 24.6
153 13.3 10.6 15.8

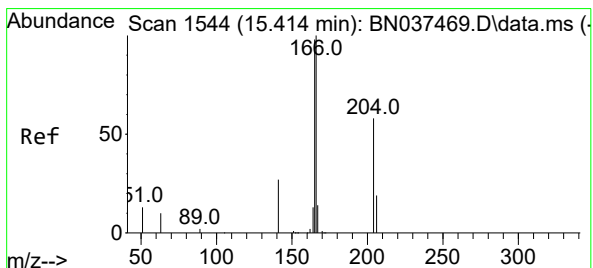
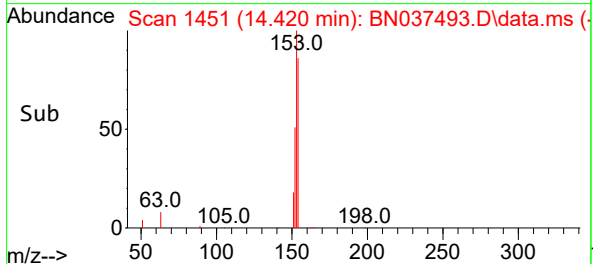
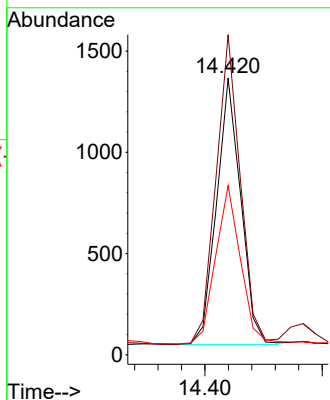
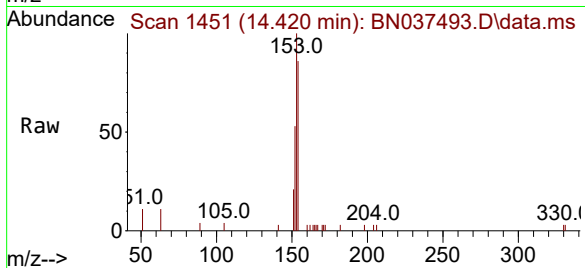




#17
Acenaphthene
Concen: 0.237 ng
RT: 14.420 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

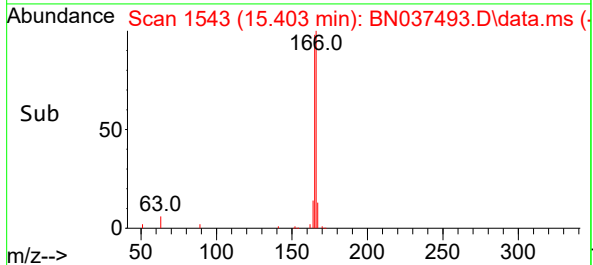
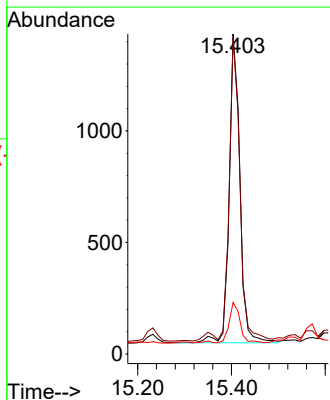
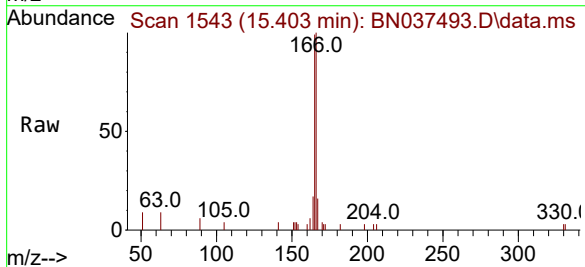
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

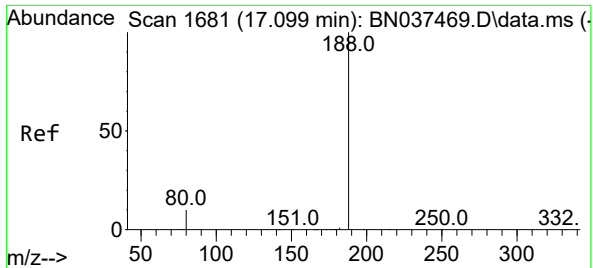
Tgt Ion:154 Resp: 1889
Ion Ratio Lower Upper
154 100
153 117.2 89.4 134.0
152 62.4 53.2 79.8



#18
Fluorene
Concen: 0.219 ng
RT: 15.403 min Scan# 1543
Delta R.T. -0.011 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion:166 Resp: 2187
Ion Ratio Lower Upper
166 100
165 95.6 79.4 119.2
167 13.2 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037493.D

Acq: 14 Jul 2025 16:11

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2DL

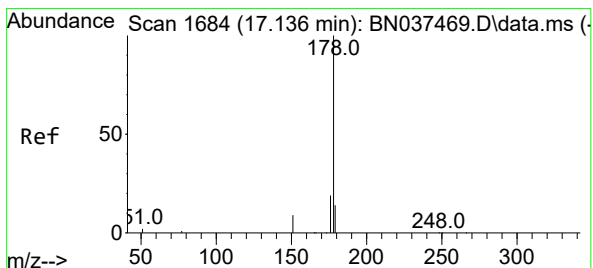
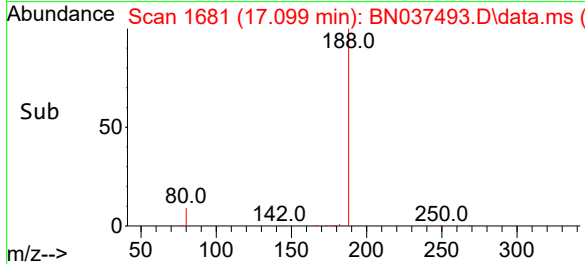
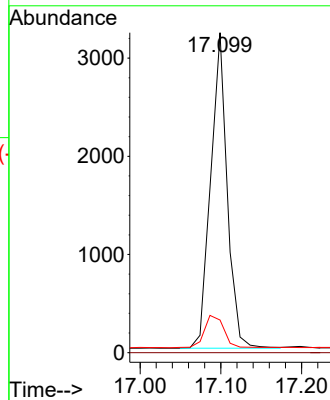
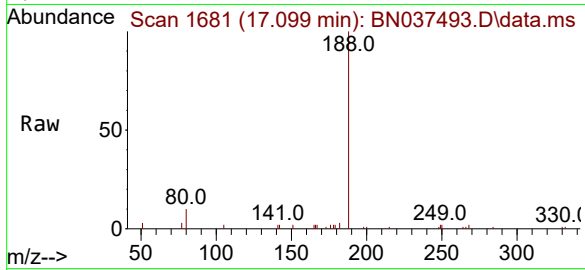
Tgt Ion:188 Resp: 4565

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.2 9.3 13.9



#25

Phenanthrene

Concen: 1.680 ng

RT: 17.136 min Scan# 1684

Delta R.T. 0.000 min

Lab File: BN037493.D

Acq: 14 Jul 2025 16:11

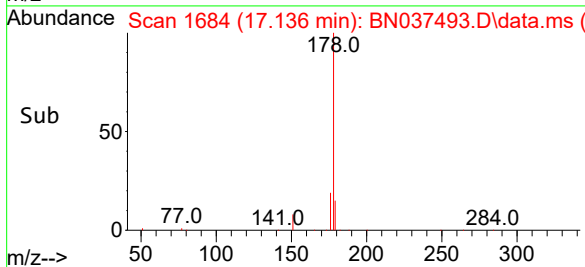
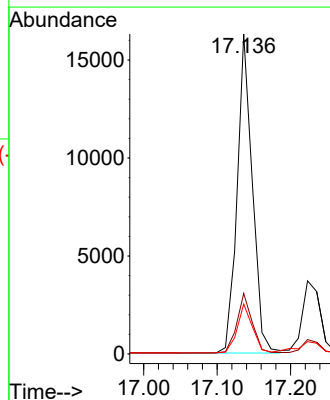
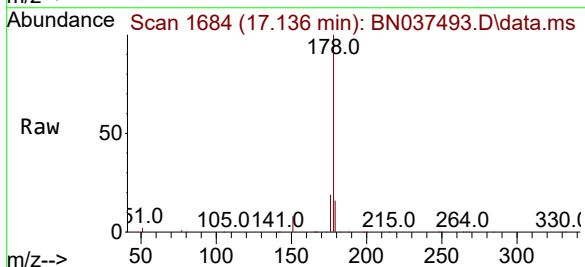
Tgt Ion:178 Resp: 23354

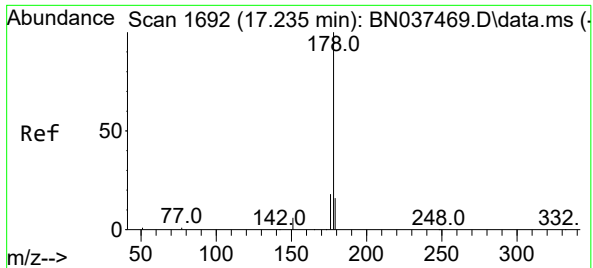
Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.3 12.2 18.2

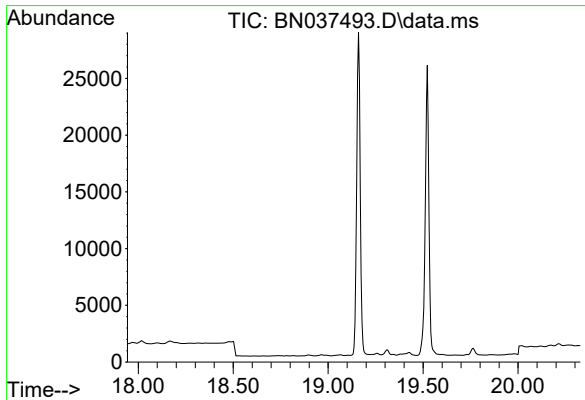
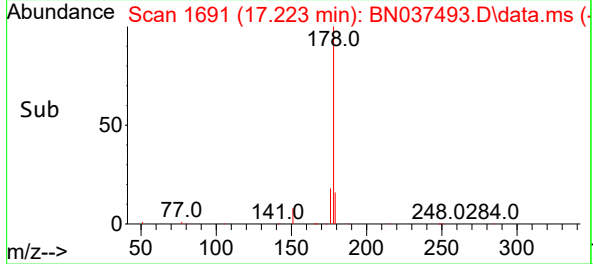
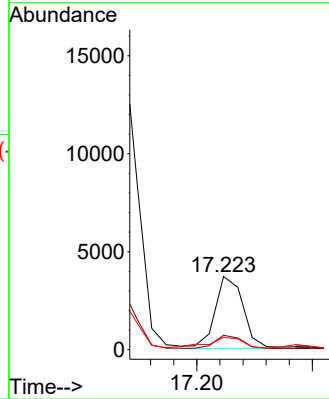
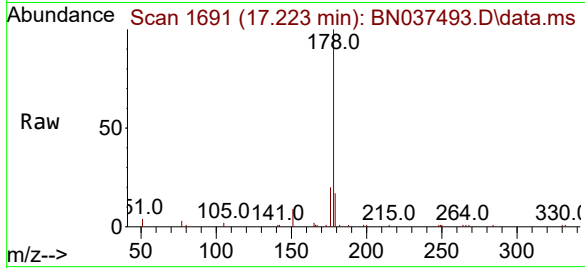




#26
Anthracene
Concen: 0.502 ng m
RT: 17.223 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

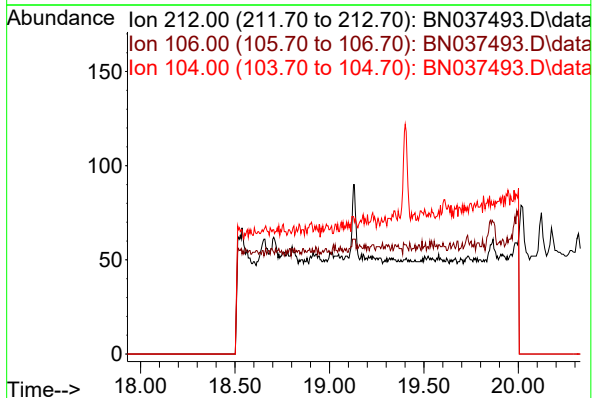
Tgt Ion:178 Resp: 6294
Ion Ratio Lower Upper
178 100
176 69.4 14.9 22.3#
179 56.6 12.3 18.5#

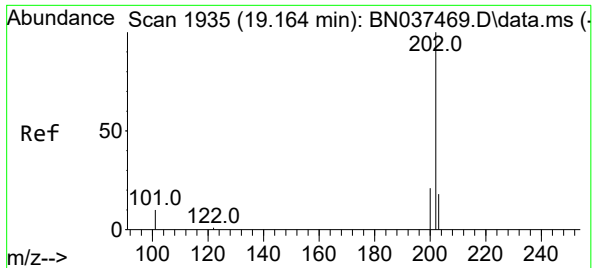


#27
Fluoranthene-d10
Concen: 0.000 ng
Expected RT: 19.13 min

Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion: 212
Sig Exp Ratio
212 100
106 14.6
104 8.3

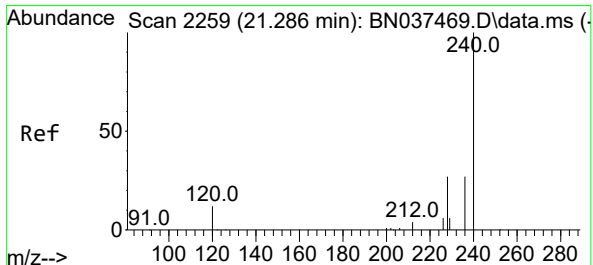
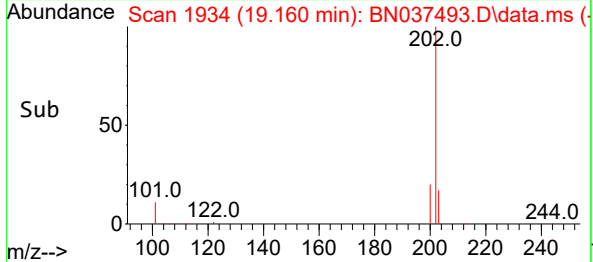
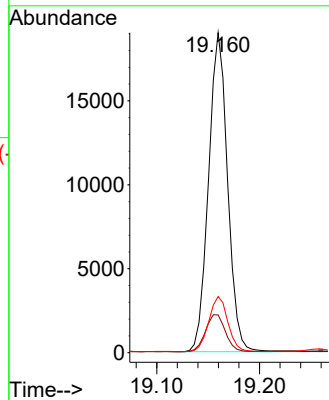
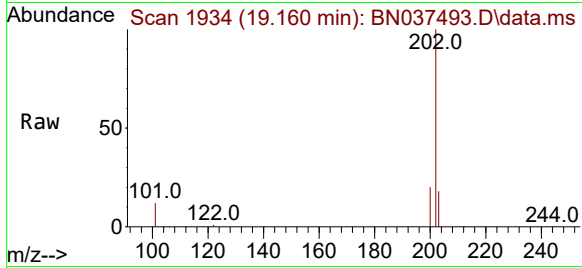




#28
Fluoranthene
Concen: 1.601 ng
RT: 19.160 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

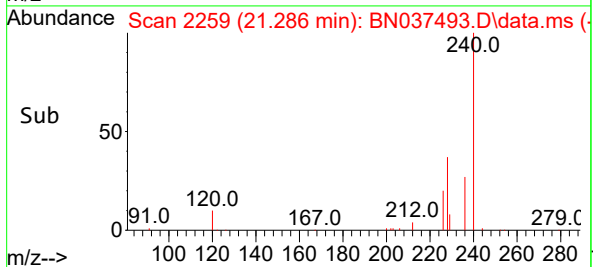
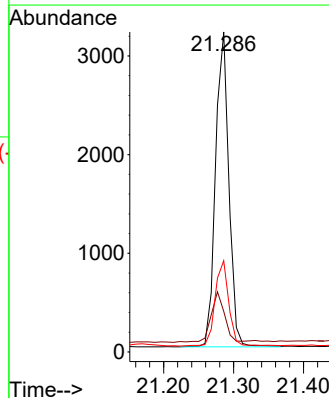
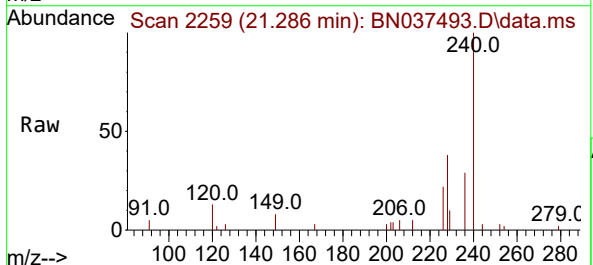
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

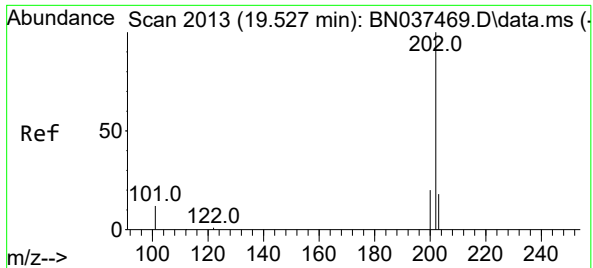
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.2	13.8
203	17.4	14.0	21.0



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.286 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.7	12.4	18.6
236	28.5	22.9	34.3

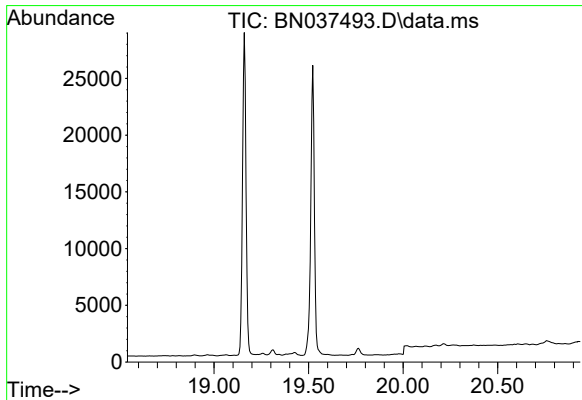
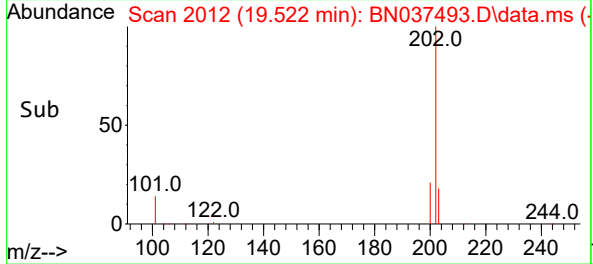
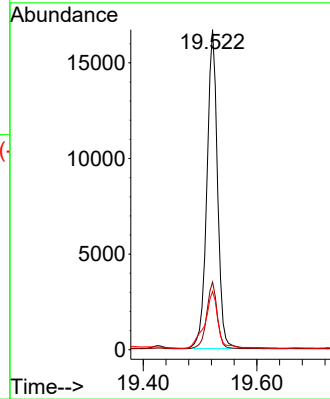
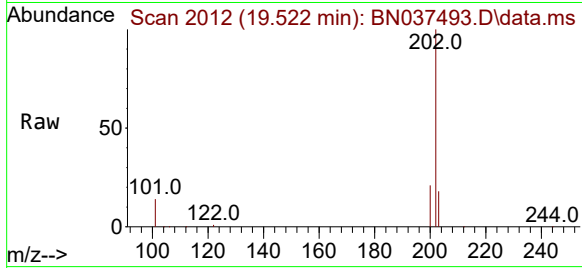




#30
Pyrene
Concen: 1.278 ng
RT: 19.522 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

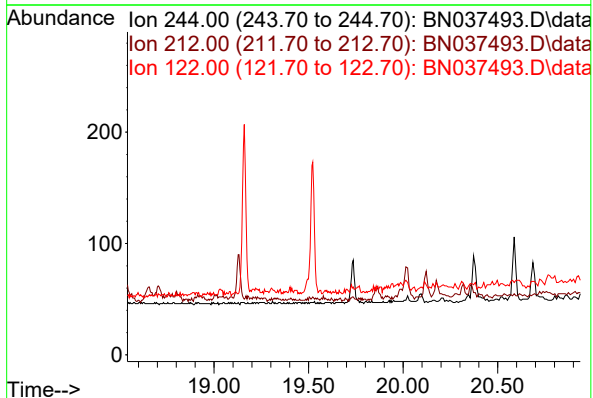
Tgt Ion: 202 Resp: 21620
Ion Ratio Lower Upper
202 100
200 20.8 16.4 24.6
203 22.2 14.3 21.5#

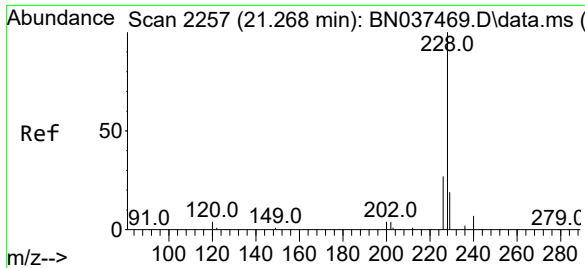


#31
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.74 min

Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion: 244
Sig Exp Ratio
244 100
212 10.9
122 17.6

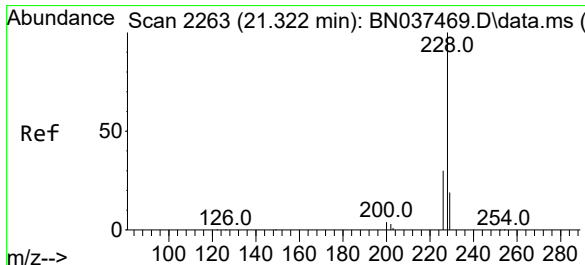
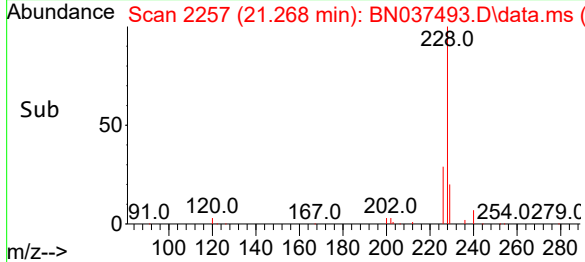
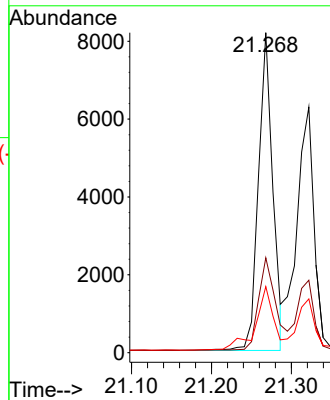
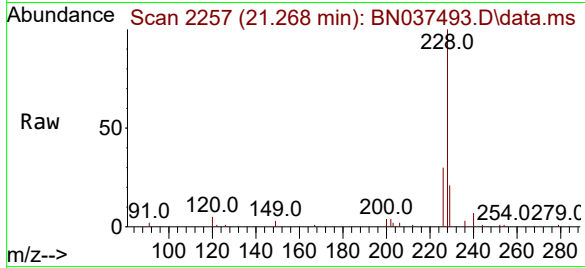




#32
Benzo(a)anthracene
Concen: 0.716 ng
RT: 21.268 min Scan# 21257
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

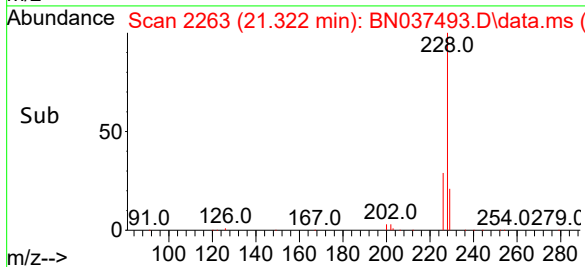
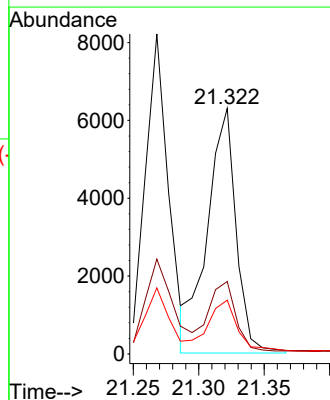
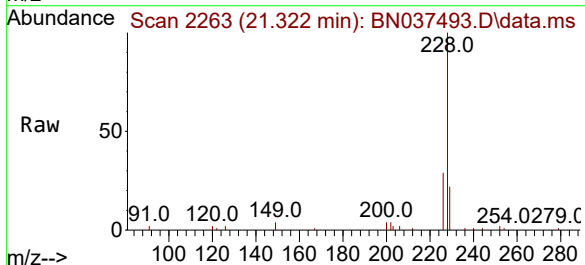
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

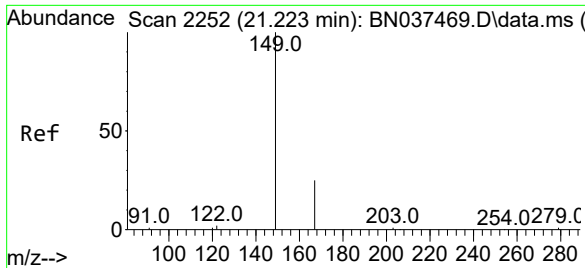
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.7	34.1
229	20.7	16.6	24.8



#33
Chrysene
Concen: 0.619 ng m
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.6	36.8
229	21.9	16.4	24.6

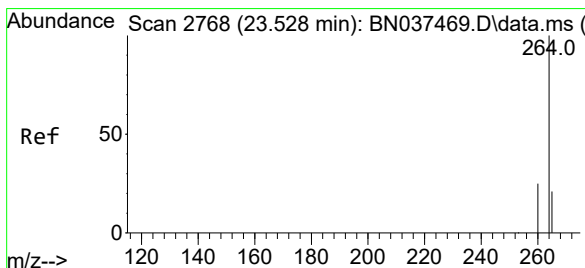
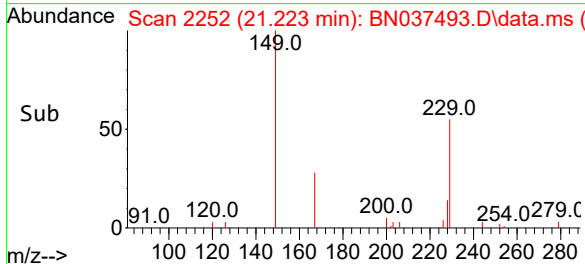
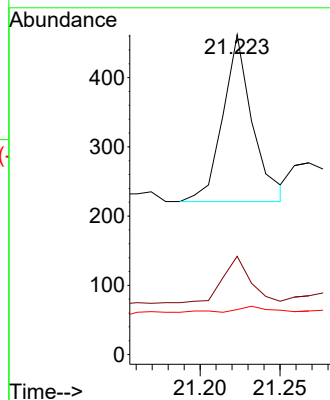
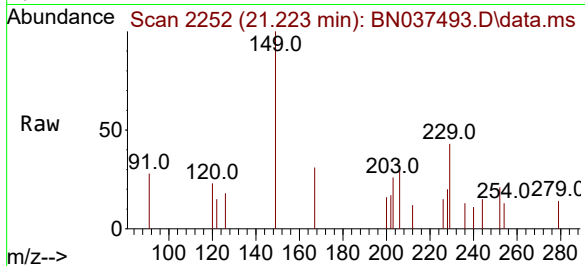




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.064 ng
RT: 21.223 min Scan# 211
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

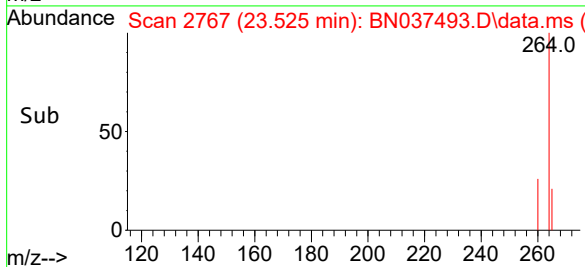
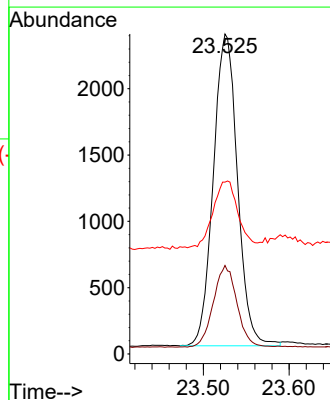
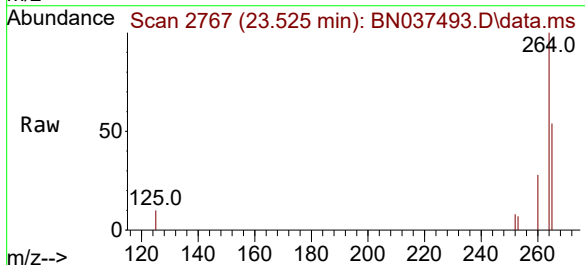
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

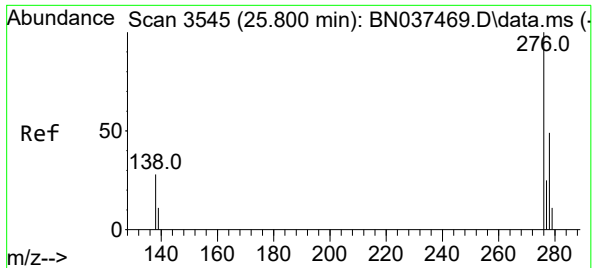
Tgt Ion:149 Resp: 311
Ion Ratio Lower Upper
149 100
167 27.0 19.4 29.2
279 4.2 2.5 3.7#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.525 min Scan# 2767
Delta R.T. -0.003 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion:264 Resp: 4610
Ion Ratio Lower Upper
264 100
260 27.7 21.7 32.5
265 53.7 41.6 62.4





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.372 ng

RT: 25.791 min Scan# 3542

Delta R.T. -0.009 min

Lab File: BN037493.D

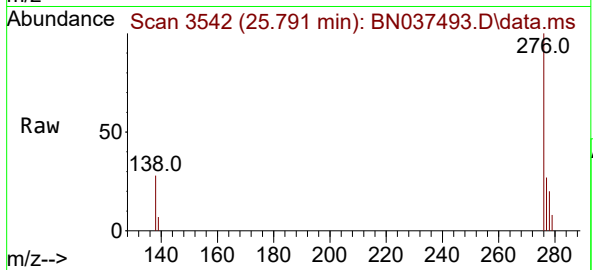
Acq: 14 Jul 2025 16:11

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2DL



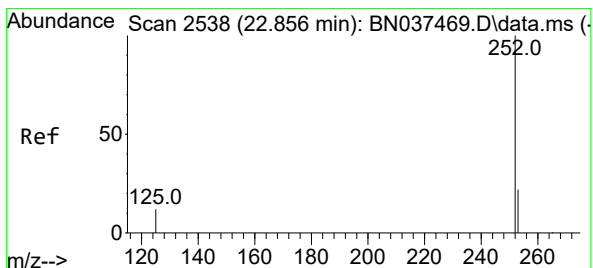
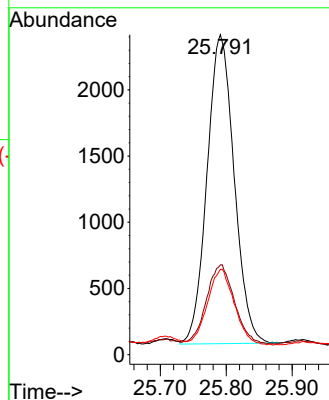
Tgt Ion:276 Resp: 6664

Ion Ratio Lower Upper

276 100

138 26.6 23.4 35.2

277 24.6 19.8 29.8



#37

Benzo(b)fluoranthene

Concen: 0.692 ng

RT: 22.853 min Scan# 2537

Delta R.T. -0.003 min

Lab File: BN037493.D

Acq: 14 Jul 2025 16:11

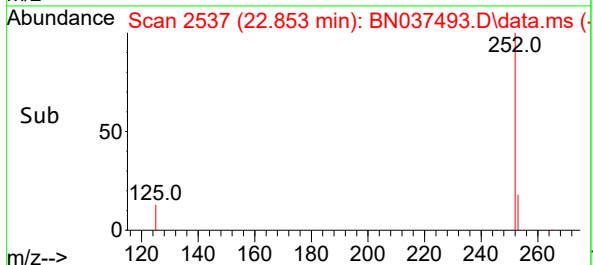
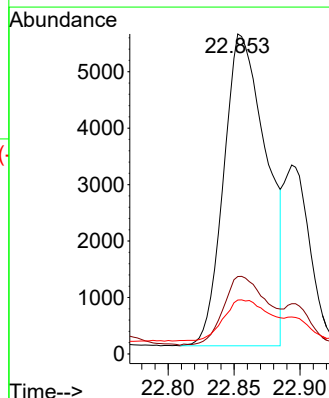
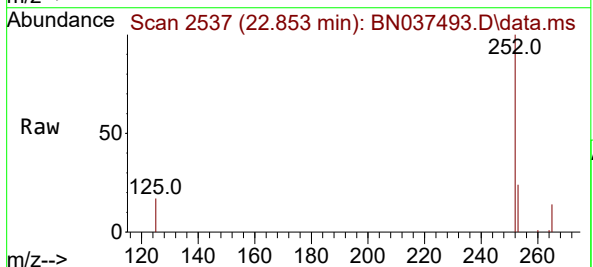
Tgt Ion:252 Resp: 12413

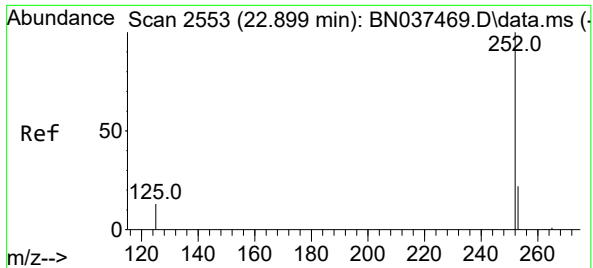
Ion Ratio Lower Upper

252 100

253 24.2 20.1 30.1

125 16.9 13.7 20.5





#38

Benzo(k)fluoranthene

Concen: 0.252 ng m

RT: 22.894 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037493.D

Acq: 14 Jul 2025 16:11

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2DL

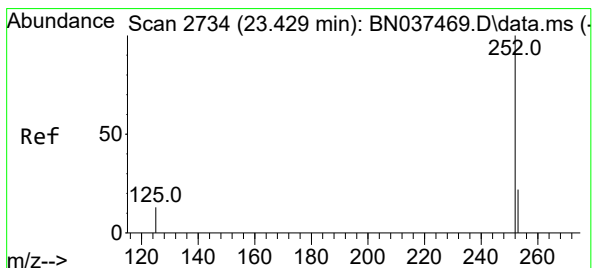
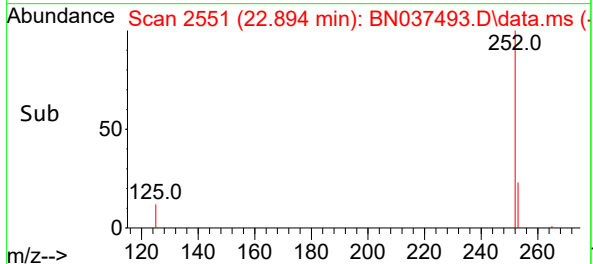
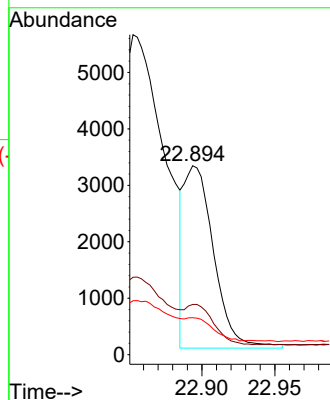
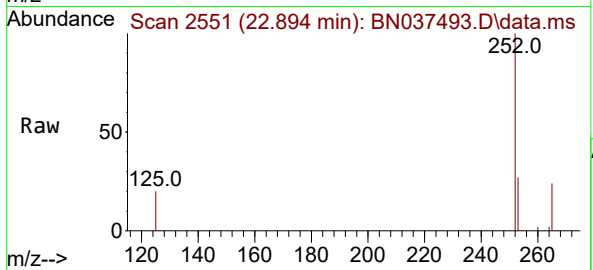
Tgt Ion:252 Resp: 4583

Ion Ratio Lower Upper

252 100

253 26.6 20.4 30.6

125 19.5 14.6 21.8



#39

Benzo(a)pyrene

Concen: 0.653 ng

RT: 23.423 min Scan# 2732

Delta R.T. -0.006 min

Lab File: BN037493.D

Acq: 14 Jul 2025 16:11

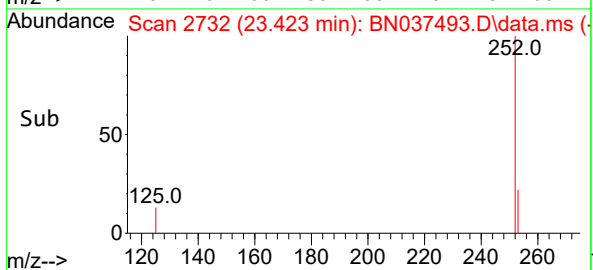
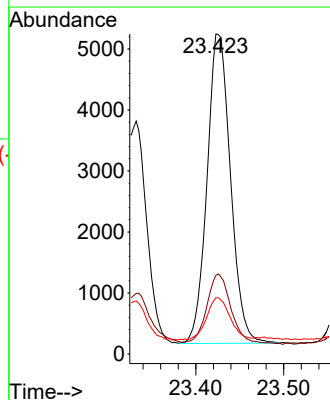
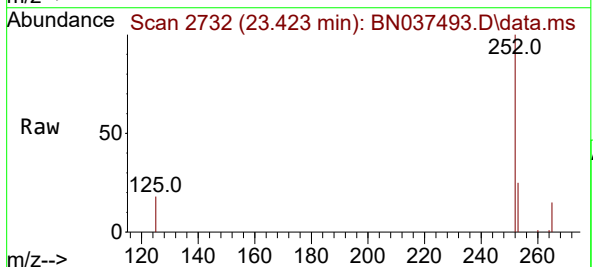
Tgt Ion:252 Resp: 9418

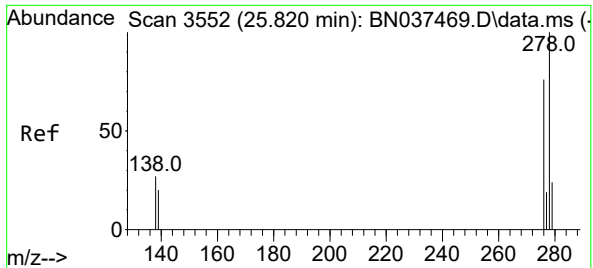
Ion Ratio Lower Upper

252 100

253 24.6 21.8 32.6

125 17.5 16.7 25.1

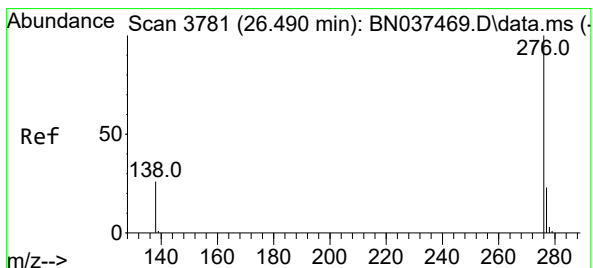
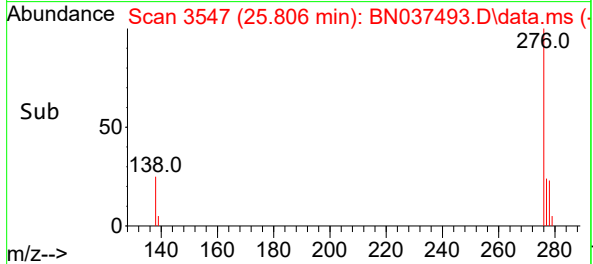
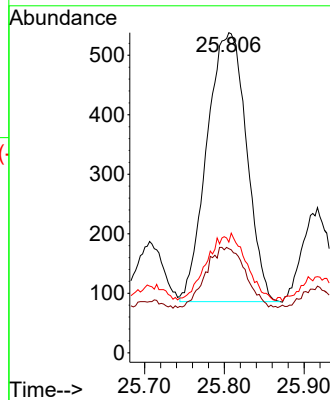
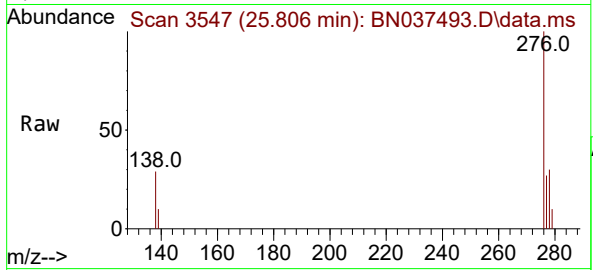




#40
Dibenzo(a,h)anthracene
Concen: 0.108 ng
RT: 25.806 min Scan# 31
Delta R.T. -0.015 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

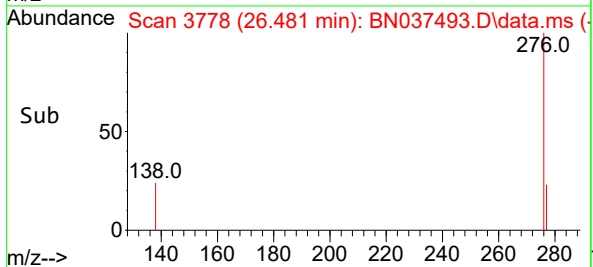
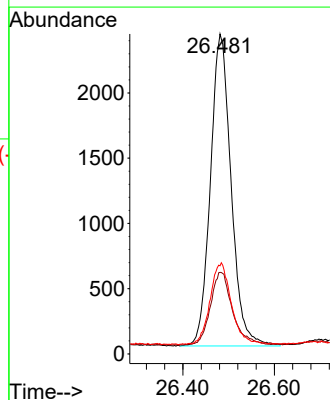
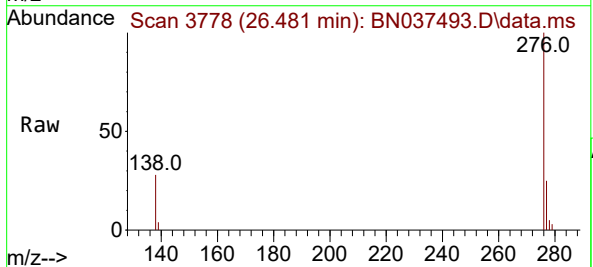
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

Tgt Ion:278 Resp: 1553
Ion Ratio Lower Upper
278 100
139 32.5 19.9 29.9#
279 34.6 24.8 37.2



#41
Benzo(g,h,i)perylene
Concen: 0.476 ng
RT: 26.481 min Scan# 3778
Delta R.T. -0.009 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion:276 Resp: 7527
Ion Ratio Lower Upper
276 100
277 25.5 21.7 32.5
138 27.5 24.3 36.5





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: ENTA05Lab Code: ACESDG No.: Q2580Instrument ID: BNA_NCalibration Date(s): 07/11/2025 07/11/2025Calibration Time(s): 11:10 14:49

LAB FILE ID:		RRF0.1 = BN037467.D		RRF0.2 = BN037468.D		RRF0.4 = BN037469.D		
		RRF0.8 = BN037470.D		RRF1.6 = BN037471.D		RRF3.2 = BN037472.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.513	0.509	0.511	0.490	0.531	0.563	0.544	12.5
Fluoranthene-d10	0.956	0.936	0.909	0.895	0.981	1.049	1.009	15.2
2-Fluorophenol	0.941	0.935	0.931	0.854	0.927	0.942	0.931	4.2
Phenol-d6	1.222	1.196	1.173	1.063	1.158	1.171	1.171	4.5
Nitrobenzene-d5	0.279	0.277	0.276	0.266	0.296	0.306	0.290	8.0
Naphthalene	1.063	1.050	1.052	1.015	1.096	1.109	1.075	3.9
2-Methylnaphthalene	0.645	0.640	0.646	0.625	0.691	0.718	0.673	6.8
2-Fluorobiphenyl	2.213	2.152	2.305	2.139	2.318	2.357	2.283	5.6
Acenaphthylene	1.778	1.768	1.761	1.706	1.881	1.886	1.824	5.3
Acenaphthene	1.207	1.167	1.184	1.138	1.260	1.270	1.224	5.7
Fluorene	1.478	1.432	1.482	1.423	1.606	1.620	1.538	7.3
2,4,6-Tribromophenol	0.119	0.115	0.122	0.121	0.138	0.153	0.136	18.0
Phenanthrene	1.213	1.165	1.157	1.147	1.242	1.256	1.218	5.8
Anthracene	1.019	1.035	1.014	1.024	1.131	1.185	1.099	9.6
Fluoranthene	1.252	1.235	1.220	1.232	1.389	1.455	1.337	10.3
Pyrene	1.674	1.630	1.594	1.511	1.605	1.595	1.608	3.2
Terphenyl-d14	0.849	0.822	0.821	0.778	0.836	0.834	0.835	4.5
Benzo (a) anthracene	1.329	1.310	1.292	1.240	1.394	1.428	1.355	6.4
Chrysene	1.522	1.487	1.464	1.413	1.473	1.464	1.481	2.9
Benzo (b) fluoranthene	1.382	1.423	1.411	1.459	1.668	1.674	1.556	11.9
Benzo (k) fluoranthene	1.416	1.374	1.433	1.505	1.674	1.745	1.577	12.4
Benzo (a) pyrene	1.069	1.109	1.152	1.162	1.325	1.398	1.252	14.1
Indeno (1,2,3-cd) pyrene	1.339	1.316	1.392	1.434	1.655	1.758	1.553	16.0
Dibenzo (a,h) anthracene	1.069	1.039	1.105	1.152	1.342	1.442	1.252	17.5
Benzo (g,h,i) perylene	1.187	1.236	1.266	1.281	1.442	1.507	1.372	13.0

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-BN071125.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jul 11 15:38:34 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037467.D 0.2 =BN037468.D 0.4 =BN037469.D 0.8 =BN037470.D 1.6 =BN037471.D 3.2 =BN037472.D 5 =BN037473.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	0.370	0.385	0.376	0.396	0.383	0.344	0.376		4.69
3)	n-Nitrosodimet...	0.478	0.499	0.474	0.526	0.520	0.517	0.502		4.49
4) S	2-Fluorophenol	0.941	0.935	0.931	0.854	0.927	0.942	0.987	0.931	4.22
5) S	Phenol-d6	1.222	1.196	1.173	1.063	1.158	1.171	1.214	1.171	4.52
6)	bis(2-Chloroet...	1.010	0.981	0.970	0.935	1.004	0.985	0.976	0.980	2.51
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.279	0.277	0.276	0.266	0.296	0.306	0.333	0.290	7.95
9)	Naphthalene	1.063	1.050	1.052	1.015	1.096	1.109	1.140	1.075	3.93
10)	Hexachlorobuta...	0.263	0.251	0.257	0.247	0.266	0.261	0.262	0.258	2.67
11) SURR2	Methylnaphth...	0.513	0.509	0.511	0.490	0.531	0.563	0.689	0.544	12.51
12)	2-Methylnaphth...	0.645	0.640	0.646	0.625	0.691	0.718	0.746	0.673	6.79
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.119	0.115	0.122	0.121	0.138	0.153	0.182	0.136	18.05
15) S	2-Fluorobiphenyl	2.213	2.152	2.305	2.139	2.318	2.357	2.499	2.283	5.55
16)	Acenaphthylene	1.778	1.768	1.761	1.706	1.881	1.886	1.988	1.824	5.34
17)	Acenaphthene	1.207	1.167	1.184	1.138	1.260	1.270	1.340	1.224	5.72
18)	Fluorene	1.478	1.432	1.482	1.423	1.606	1.620	1.723	1.538	7.35
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.036	0.039	0.043	0.050	0.057		0.045		19.20
21)	4-Bromophenyl-...	0.246	0.238	0.236	0.234	0.253	0.260	0.279	0.250	6.54
22)	Hexachlorobenzene	0.339	0.340	0.340	0.329	0.353	0.351	0.358	0.344	2.97
23)	Atrazine	0.118	0.111	0.115	0.114	0.133	0.153		0.124	13.13
24)	Pentachlorophenol		0.105	0.101	0.100	0.119	0.131	0.156	0.119	18.40
25)	Phenanthrene	1.213	1.165	1.157	1.147	1.242	1.256	1.346	1.218	5.79
26)	Anthracene	1.019	1.035	1.014	1.024	1.131	1.185	1.286	1.099	9.61
27) SURR	Fluoranthene-d10	0.956	0.936	0.909	0.895	0.981	1.049	1.336	1.009	15.16
28)	Fluoranthene	1.252	1.235	1.220	1.232	1.389	1.455	1.572	1.337	10.32
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.674	1.630	1.594	1.511	1.605	1.595	1.648	1.608	3.23
31) S	Terphenyl-d14	0.849	0.822	0.821	0.778	0.836	0.834	0.903	0.835	4.49
32)	Benzo(a)anthra...	1.329	1.310	1.292	1.240	1.394	1.428	1.490	1.355	6.40
33)	Chrysene	1.522	1.487	1.464	1.413	1.473	1.464	1.542	1.481	2.85
34)	Bis(2-ethylhex...		0.451	0.451	0.419	0.439	0.467	0.537	0.461	8.81
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN071125.M

36)	Indeno(1,2,3-c...	1.339	1.316	1.392	1.434	1.655	1.758	1.973	1.553	16.01
37)	Benzo(b)fluora...	1.382	1.423	1.411	1.459	1.668	1.674	1.871	1.556	11.86
38)	Benzo(k)fluora...	1.416	1.374	1.433	1.505	1.674	1.745	1.892	1.577	12.41
39) C	Benzo(a)pyrene	1.069	1.109	1.152	1.162	1.325	1.398	1.549	1.252	14.09
40)	Dibenzo(a,h)an...	1.069	1.039	1.105	1.152	1.342	1.442	1.617	1.252	17.51
41)	Benzo(g,h,i)pe...	1.187	1.236	1.266	1.281	1.442	1.507	1.683	1.372	13.03

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
 Data File : BN037467.D
 Acq On : 11 Jul 2025 11:10
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Jul 11 15:25:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:17:19 2025
 Response via : Initial Calibration

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

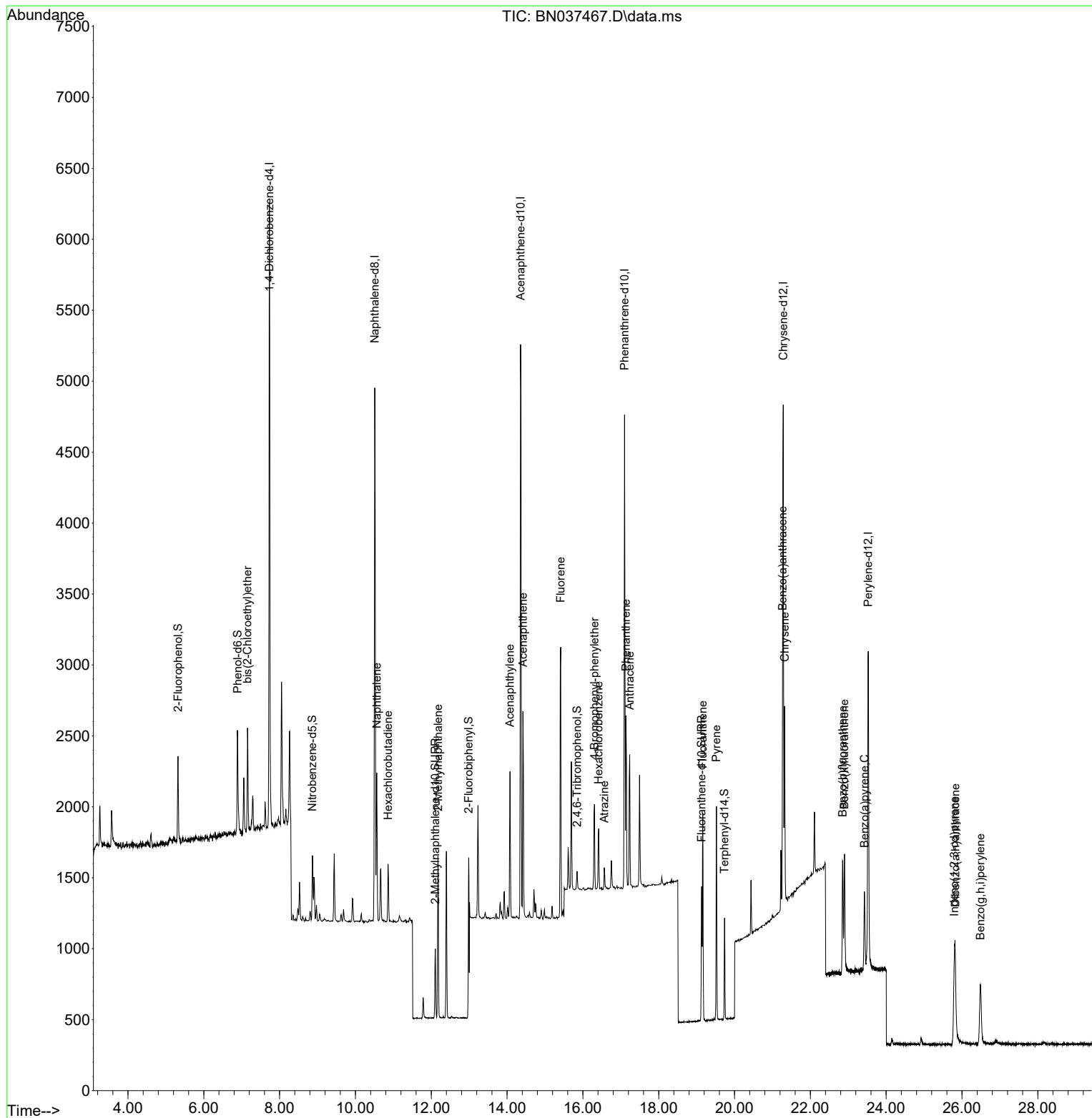
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.731	152	2088	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	4970	0.400	ng	0.00
13) Acenaphthene-d10	14.355	164	2362	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	4197	0.400	ng	0.00
29) Chrysene-d12	21.286	240	3080	0.400	ng	0.00
35) Perylene-d12	23.528	264	3076	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	491	0.101	ng	0.00
5) Phenol-d6	6.894	99	638	0.104	ng	0.00
8) Nitrobenzene-d5	8.864	82	347	0.096	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	638	0.094	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	70	0.087	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	1307	0.097	ng	0.00
27) Fluoranthene-d10	19.132	212	1003	0.095	ng	0.00
31) Terphenyl-d14	19.736	244	654	0.102	ng	0.00
Target Compounds						
						Qvalue
6) bis(2-Chloroethyl)ether	7.154	93	527	0.103	ng	99
9) Naphthalene	10.562	128	1321	0.099	ng	# 92
10) Hexachlorobutadiene	10.861	225	327	0.102	ng	# 97
12) 2-Methylnaphthalene	12.177	142	802	0.096	ng	96
16) Acenaphthylene	14.077	152	1050	0.097	ng	98
17) Acenaphthene	14.420	154	713	0.099	ng	98
18) Fluorene	15.414	166	873	0.096	ng	98
21) 4-Bromophenyl-phenylether	16.304	248	258	0.099	ng	99
22) Hexachlorobenzene	16.416	284	356	0.099	ng	98
23) Atrazine	16.565	200	124	0.095	ng	# 84
25) Phenanthrene	17.136	178	1273	0.100	ng	99
26) Anthracene	17.235	178	1069	0.093	ng	99
28) Fluoranthene	19.159	202	1314	0.094	ng	99
30) Pyrene	19.522	202	1289	0.104	ng	100
32) Benzo(a)anthracene	21.268	228	1023	0.098	ng	93
33) Chrysene	21.322	228	1172	0.103	ng	93
36) Indeno(1,2,3-cd)pyrene	25.794	276	1030	0.086	ng	97
37) Benzo(b)fluoranthene	22.853	252	1063	0.089	ng	# 83
38) Benzo(k)fluoranthene	22.899	252	1089	0.090	ng	# 74
39) Benzo(a)pyrene	23.429	252	822	0.085	ng	# 75
40) Dibenzo(a,h)anthracene	25.823	278	822	0.085	ng	# 74
41) Benzo(g,h,i)perylene	26.487	276	913	0.087	ng	# 86

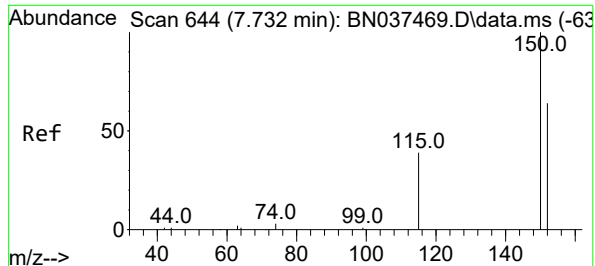
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Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
Data File : BN037467.D
Acq On : 11 Jul 2025 11:10
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

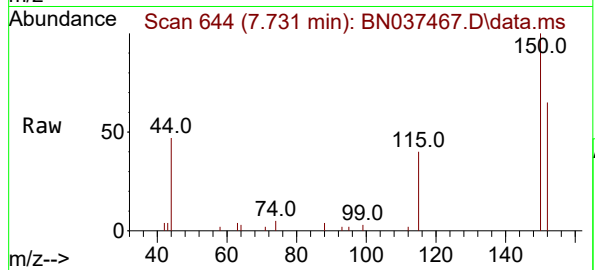
Quant Time: Jul 11 15:25:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:17:19 2025
Response via : Initial Calibration



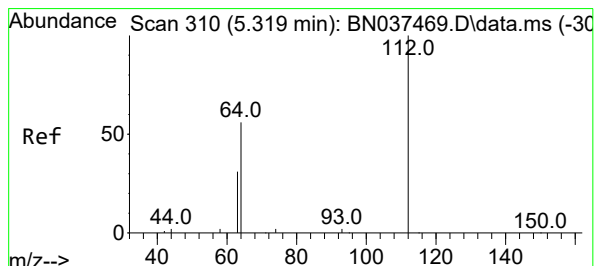
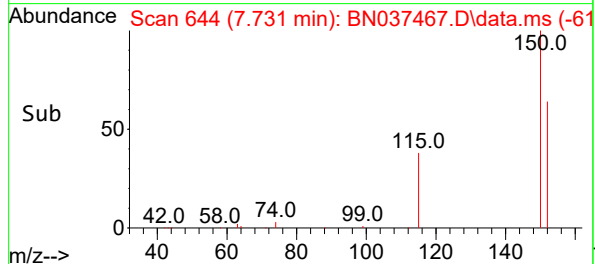
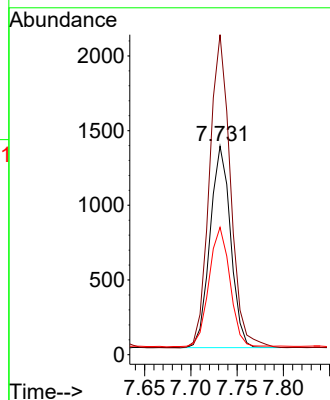


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.731 min Scan# 64
Delta R.T. -0.001 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

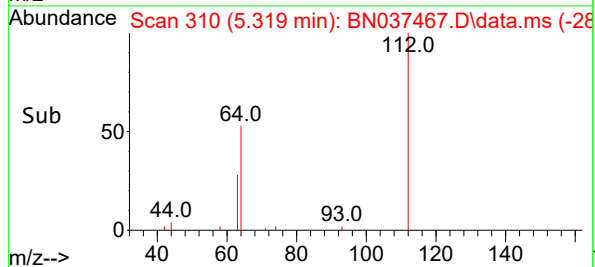
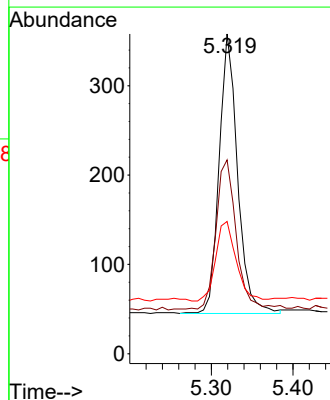
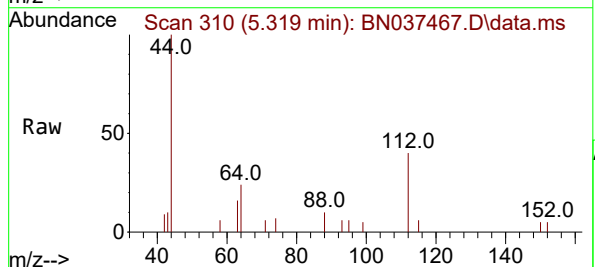


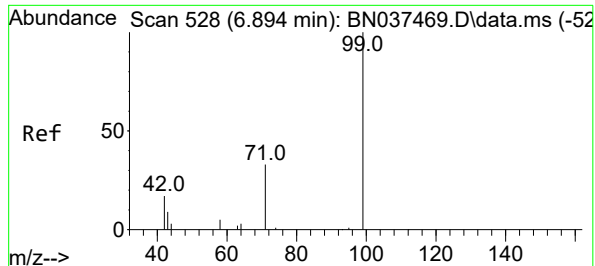
Tgt Ion:152 Resp: 2088
Ion Ratio Lower Upper
152 100
150 153.4 122.5 183.7
115 61.1 49.9 74.9



#4
2-Fluorophenol
Concen: 0.101 ng
RT: 5.319 min Scan# 310
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:112 Resp: 491
Ion Ratio Lower Upper
112 100
64 58.2 45.4 68.0
63 32.2 24.7 37.1

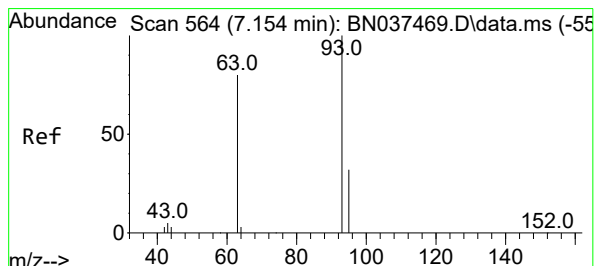
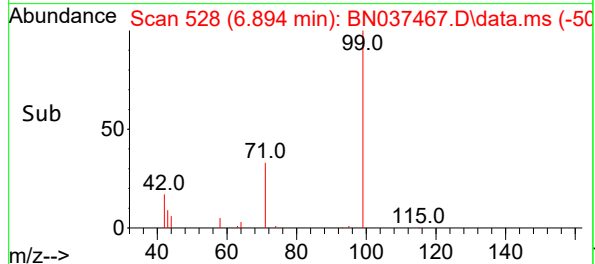
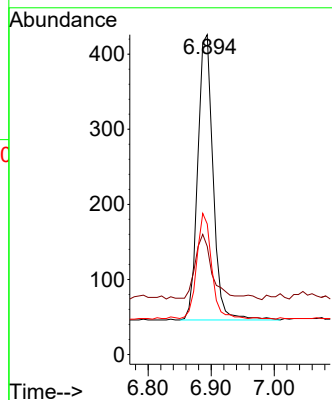
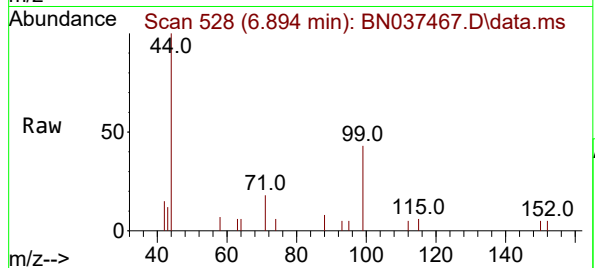




#5
Phenol-d6
Concen: 0.104 ng
RT: 6.894 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

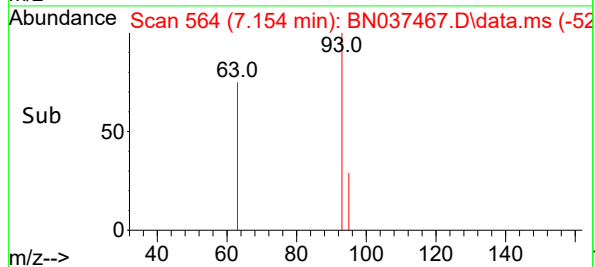
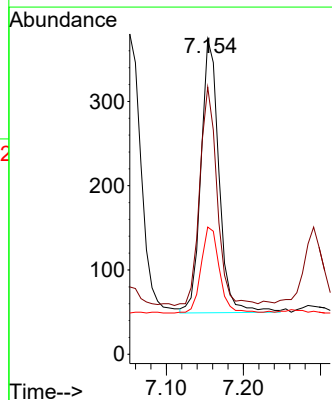
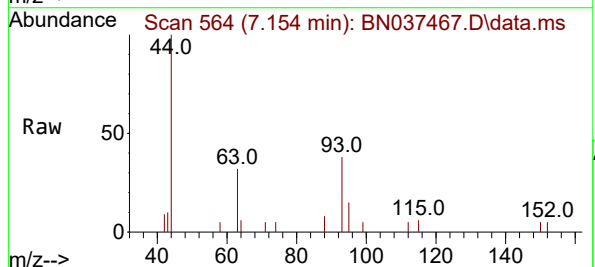
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

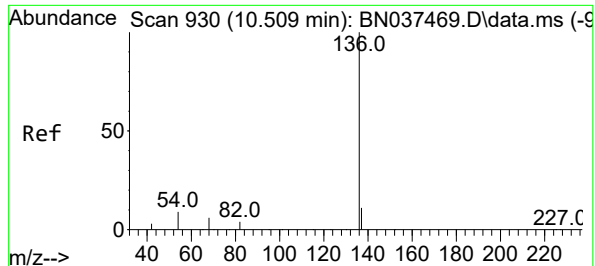
Tgt Ion	Ratio	Lower	Upper
99	100		
42	23.8	19.5	29.3
71	36.1	29.4	44.2



#6
bis(2-Chloroethyl)ether
Concen: 0.103 ng
RT: 7.154 min Scan# 564
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion	Ratio	Lower	Upper
93	100		
63	76.7	60.8	91.2
95	31.9	25.6	38.4

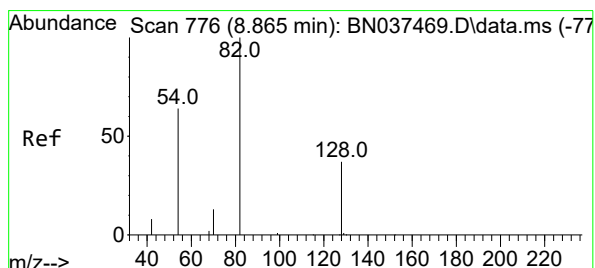
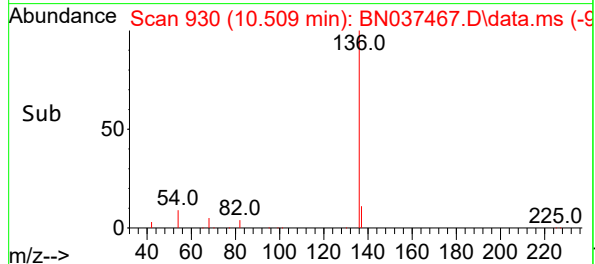
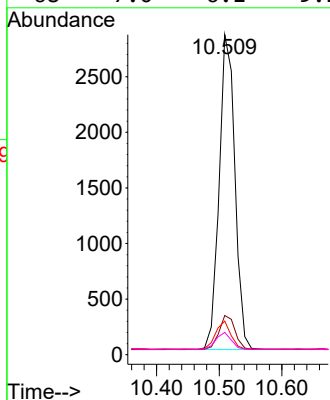
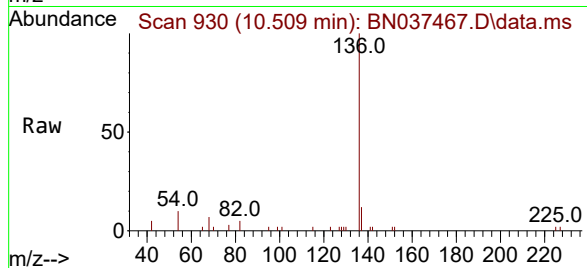




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

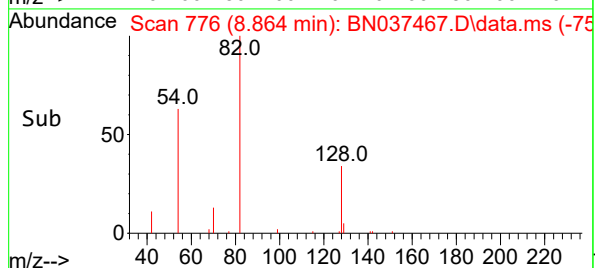
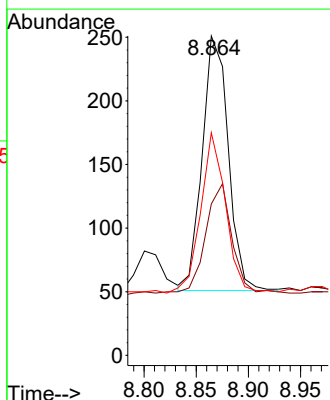
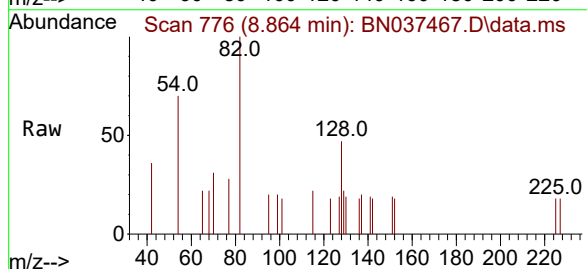
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

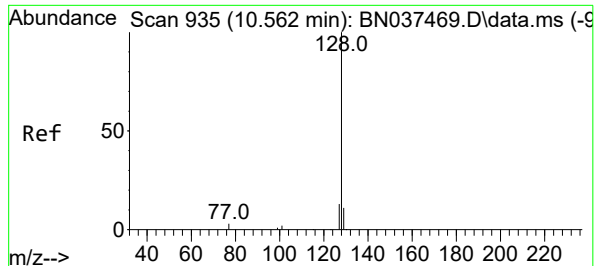
Tgt Ion:	136	Resp:	4970
Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.0	15.0
54	10.5	9.0	13.6
68	7.0	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.096 ng
RT: 8.864 min Scan# 776
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:	82	Resp:	347
Ion	Ratio	Lower	Upper
82	100		
128	47.4	33.1	49.7
54	69.7	53.0	79.4

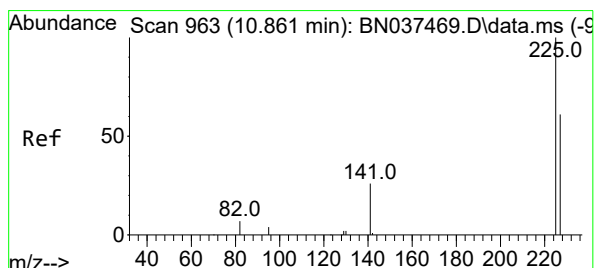
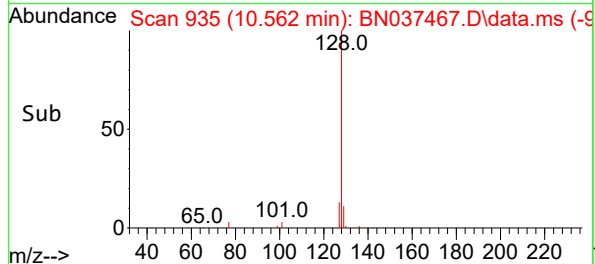
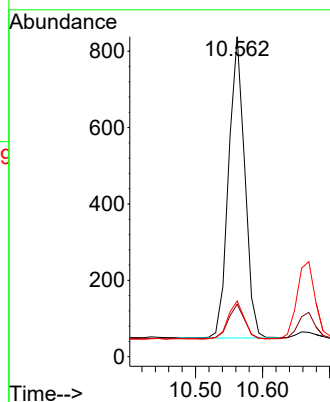
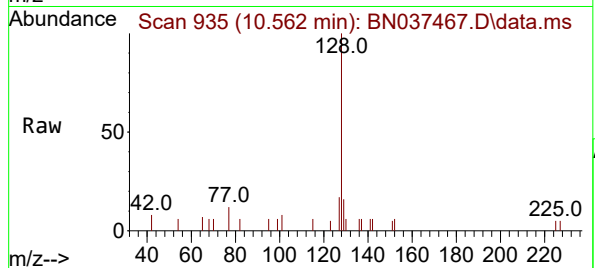




#9
Naphthalene
Concen: 0.099 ng
RT: 10.562 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

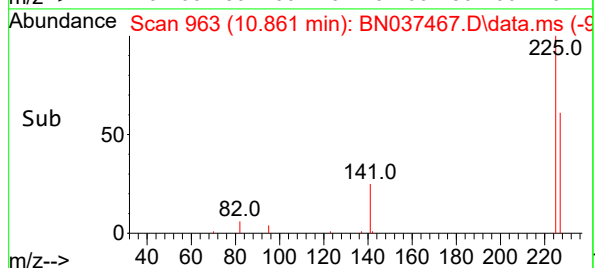
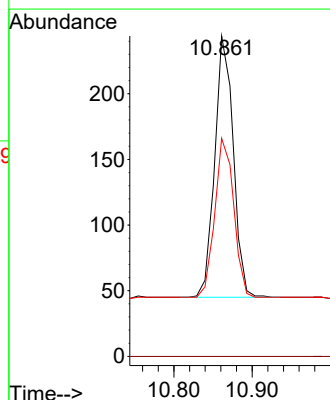
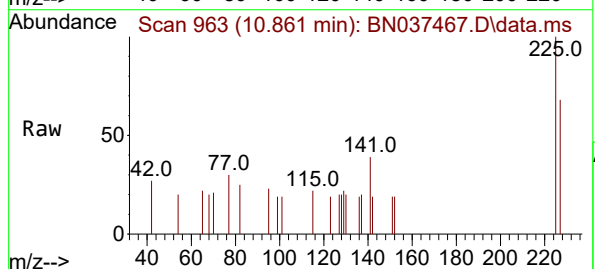
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

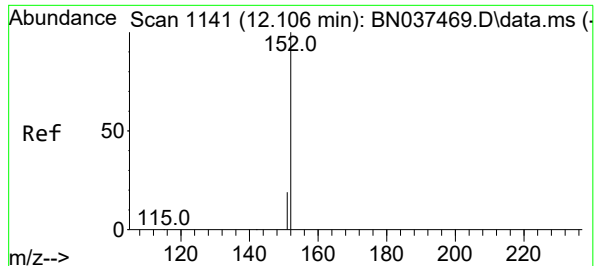
Tgt Ion:128 Resp: 1321
Ion Ratio Lower Upper
128 100
129 16.3 10.2 15.2#
127 17.4 11.8 17.6



#10
Hexachlorobutadiene
Concen: 0.102 ng
RT: 10.861 min Scan# 963
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:225 Resp: 327
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.1 51.4 77.2

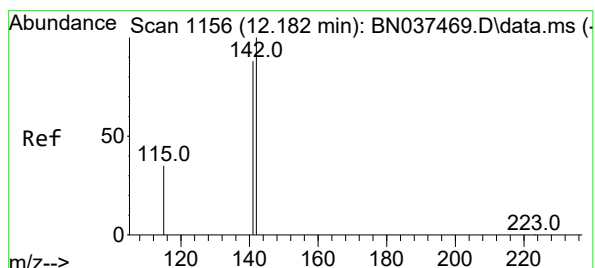
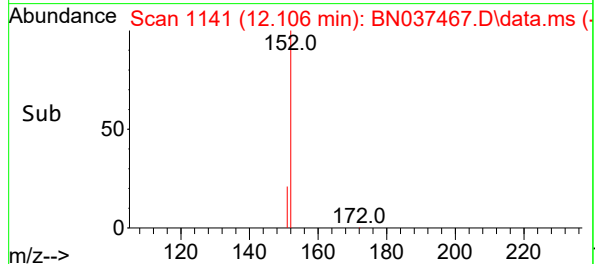
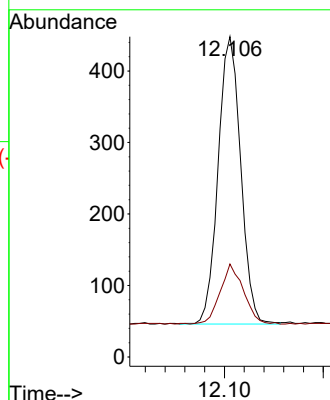
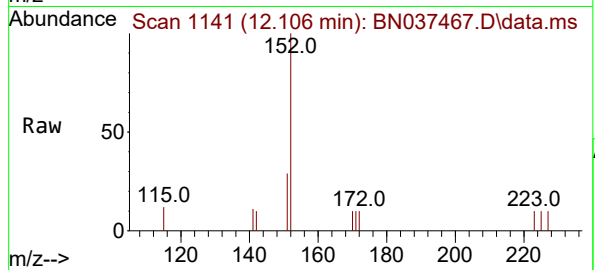




#11
2-Methylnaphthalene-d10
Concen: 0.094 ng
RT: 12.106 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

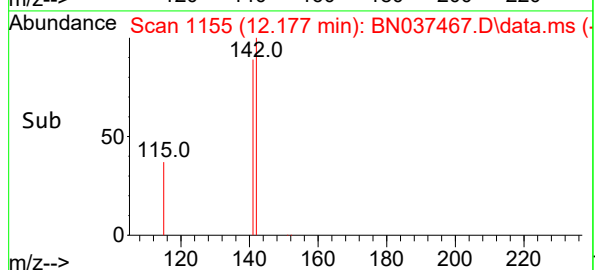
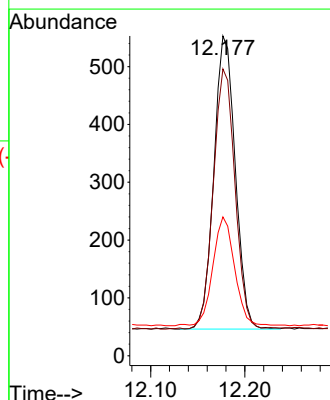
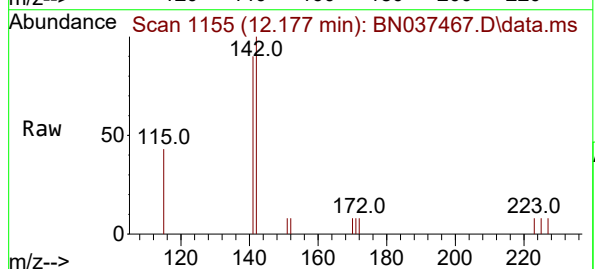
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

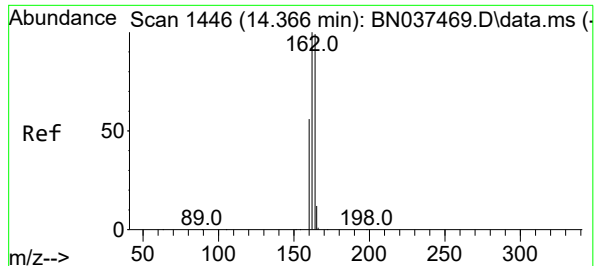
Tgt Ion:152 Resp: 638
Ion Ratio Lower Upper
152 100
151 21.6 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.096 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:142 Resp: 802
Ion Ratio Lower Upper
142 100
141 89.7 70.6 105.8
115 43.4 30.0 45.0

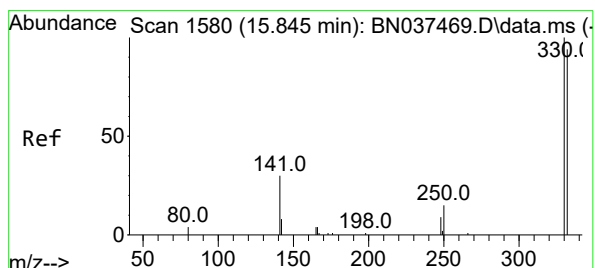
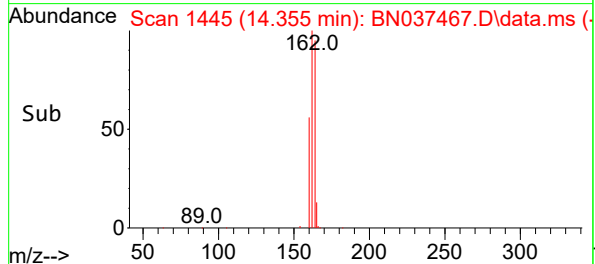
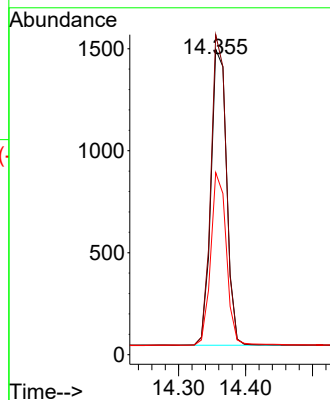
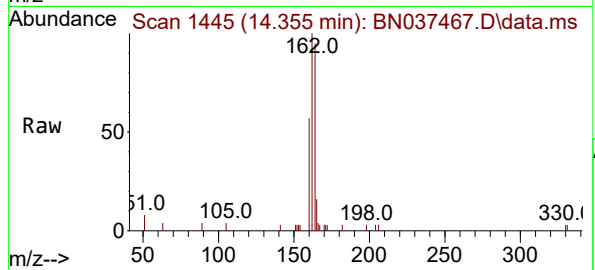




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.355 min Scan# 1446
Delta R.T. -0.011 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

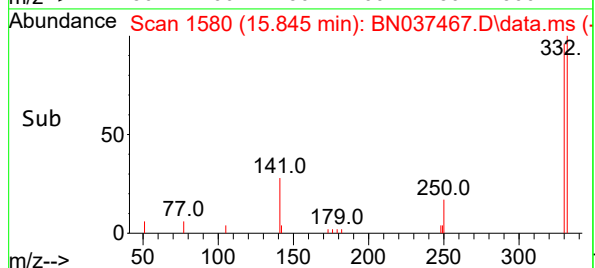
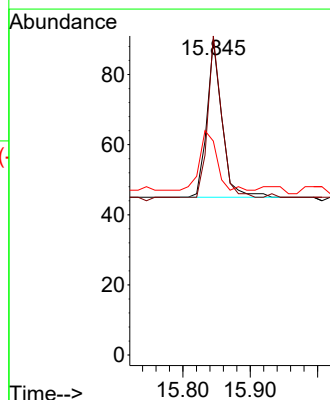
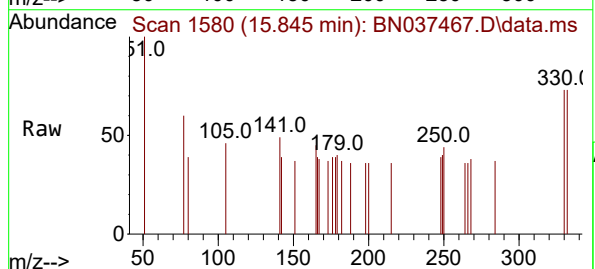
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

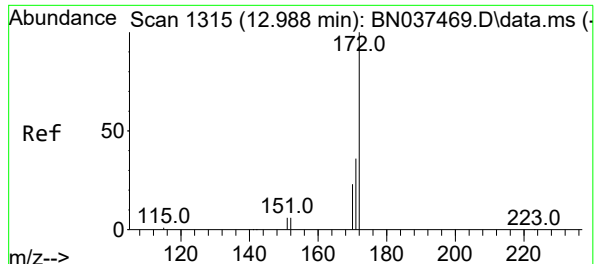
Tgt Ion:164 Resp: 2362
Ion Ratio Lower Upper
164 100
162 104.7 81.1 121.7
160 59.6 46.5 69.7



#14
2,4,6-Tribromophenol
Concen: 0.087 ng
RT: 15.845 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:330 Resp: 70
Ion Ratio Lower Upper
330 100
332 92.9 82.0 123.0
141 47.1 36.2 54.2





#15

2-Fluorobiphenyl

Concen: 0.097 ng

RT: 12.988 min Scan# 1315

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

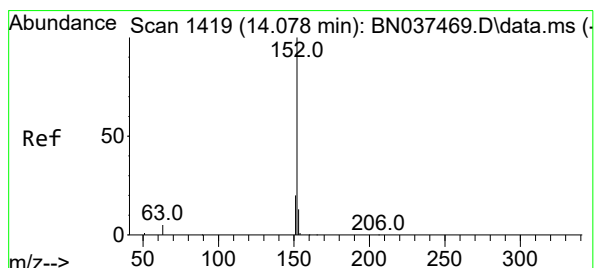
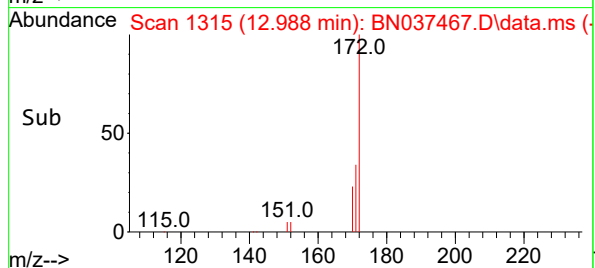
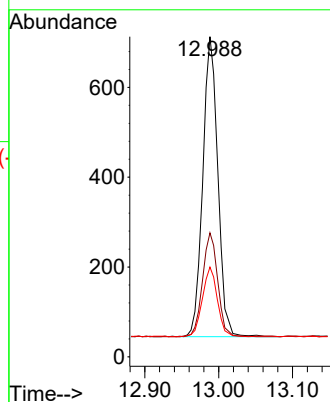
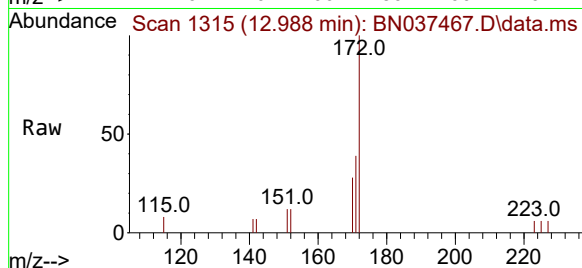
Tgt Ion:172 Resp: 1307

Ion Ratio Lower Upper

172 100

171 38.7 29.8 44.8

170 28.1 20.0 30.0



#16

Acenaphthylene

Concen: 0.097 ng

RT: 14.077 min Scan# 1419

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

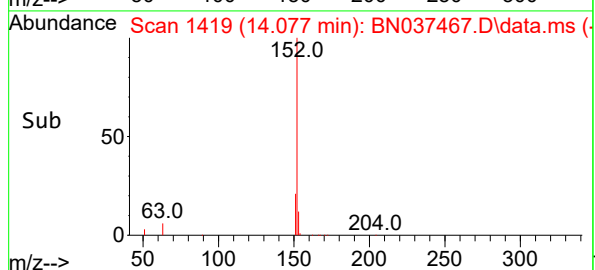
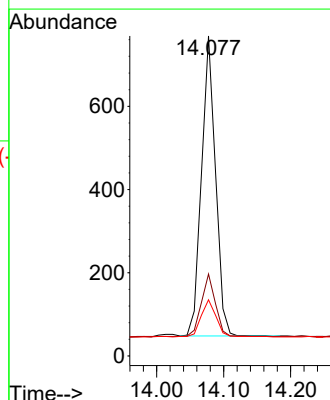
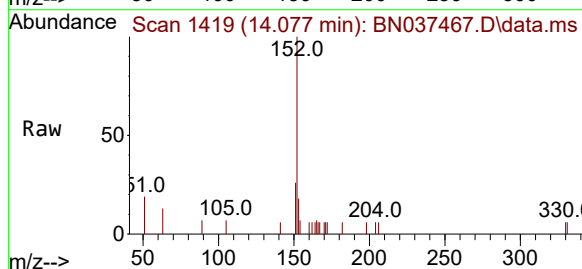
Tgt Ion:152 Resp: 1050

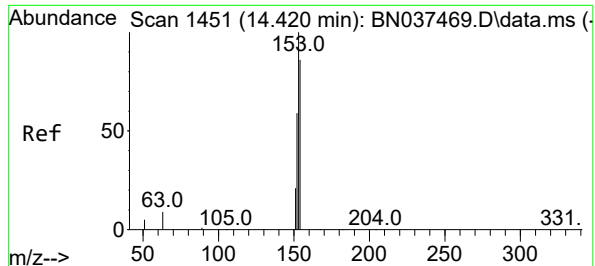
Ion Ratio Lower Upper

152 100

151 21.9 16.4 24.6

153 13.1 10.6 15.8

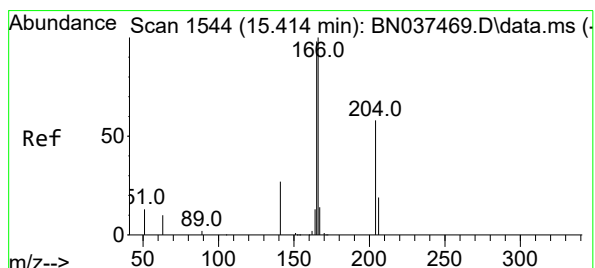
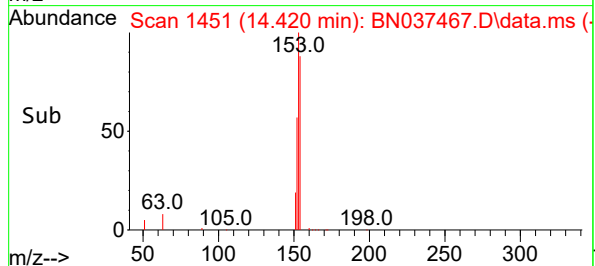
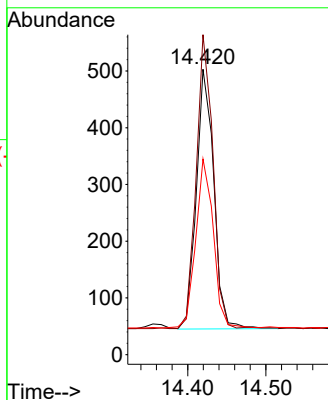
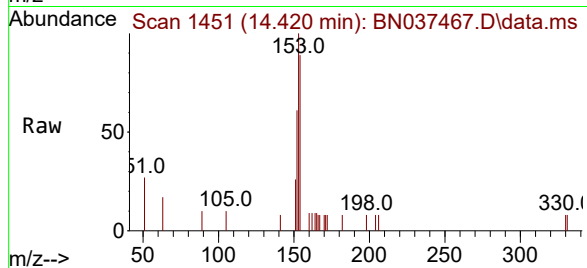




#17
Acenaphthene
Concen: 0.099 ng
RT: 14.420 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

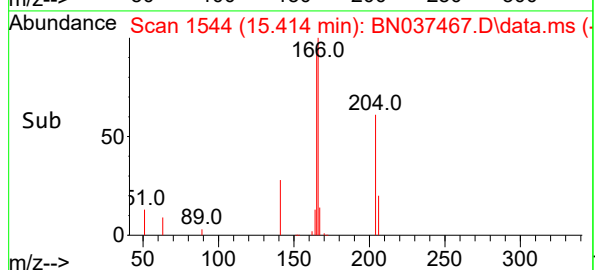
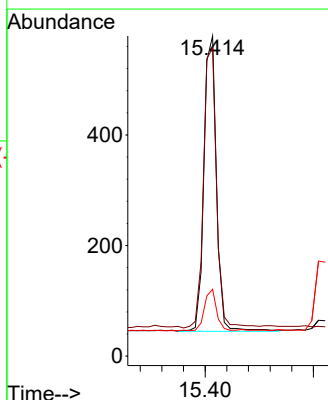
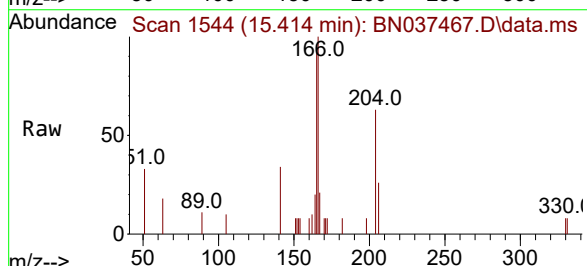
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

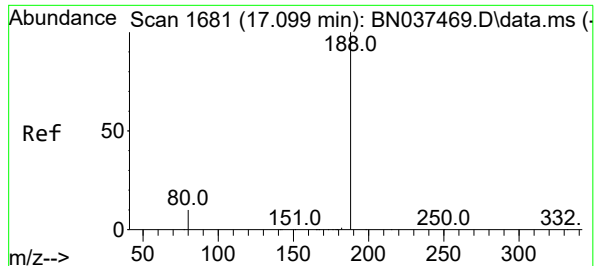
Tgt Ion:154 Resp: 713
Ion Ratio Lower Upper
154 100
153 108.7 89.4 134.0
152 65.4 53.2 79.8



#18
Fluorene
Concen: 0.096 ng
RT: 15.414 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:166 Resp: 873
Ion Ratio Lower Upper
166 100
165 97.0 79.4 119.2
167 13.3 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

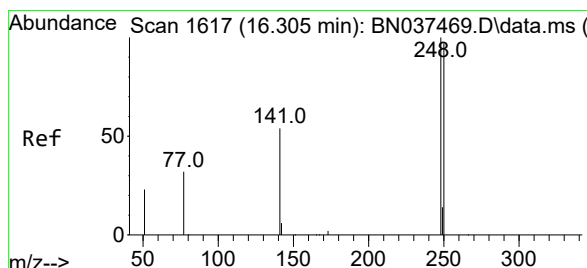
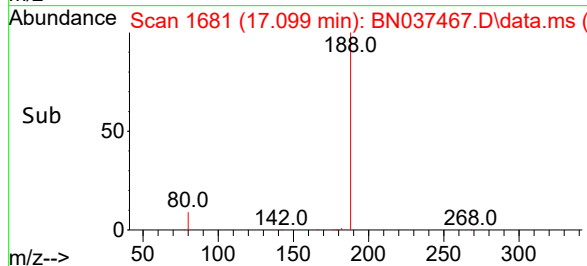
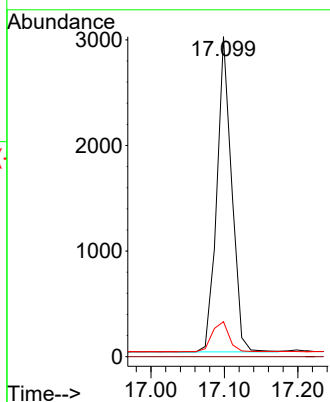
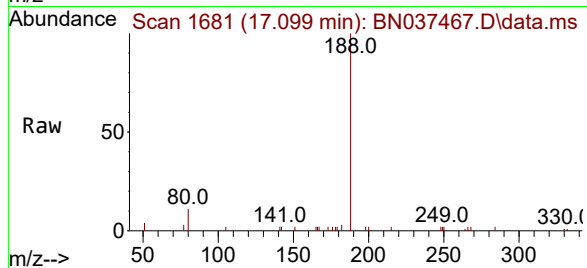
Tgt Ion:188 Resp: 4197

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.9 9.3 13.9



#21

4-Bromophenyl-phenylether

Concen: 0.099 ng

RT: 16.304 min Scan# 1617

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

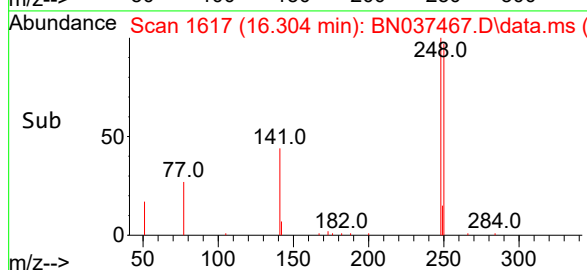
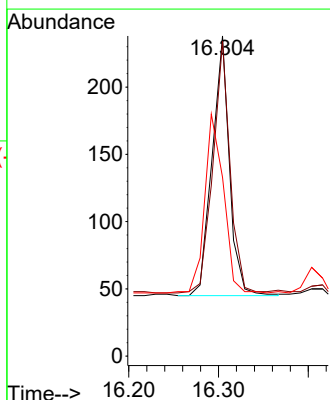
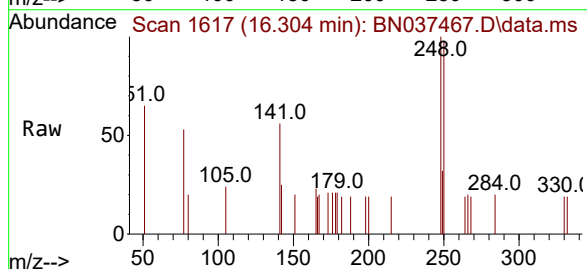
Tgt Ion:248 Resp: 258

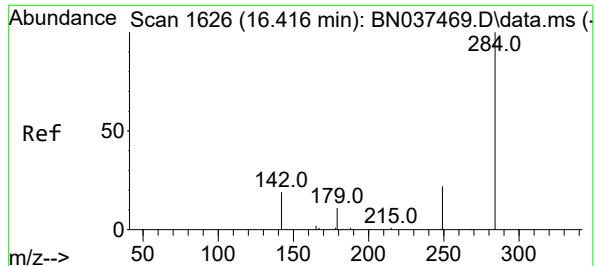
Ion Ratio Lower Upper

248 100

250 98.3 77.8 116.6

141 55.9 45.9 68.9





#22

Hexachlorobenzene

Concen: 0.099 ng

RT: 16.416 min Scan# 1626

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

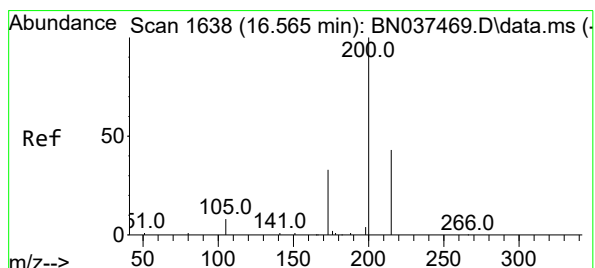
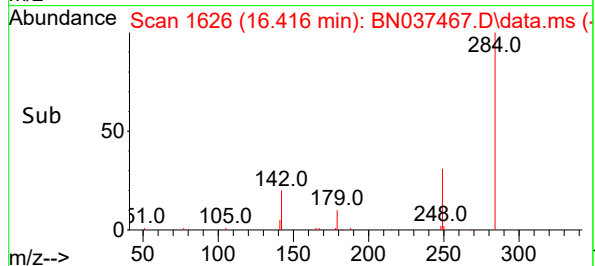
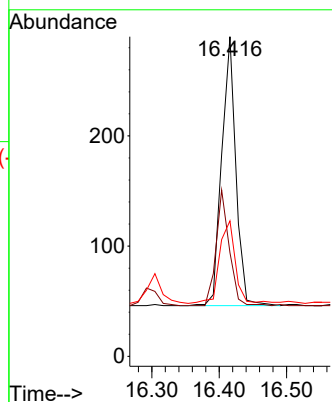
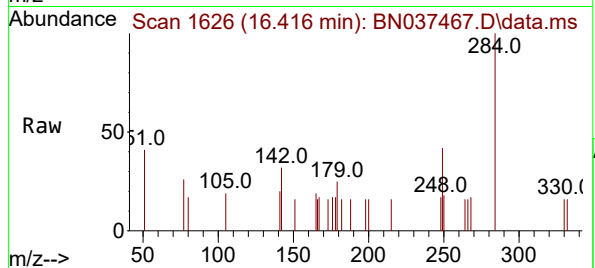
Tgt Ion:284 Resp: 356

Ion Ratio Lower Upper

284 100

142 40.2 31.3 46.9

249 34.6 26.6 40.0



#23

Atrazine

Concen: 0.095 ng

RT: 16.565 min Scan# 1638

Delta R.T. 0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

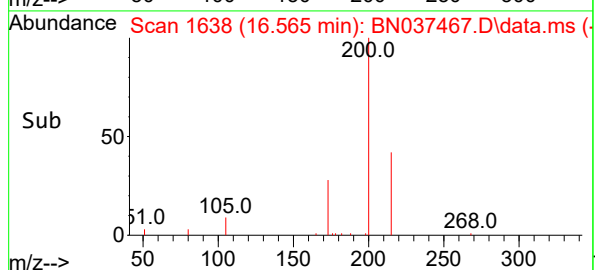
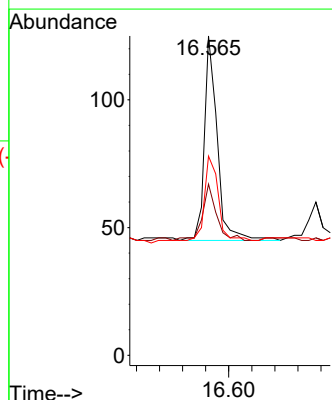
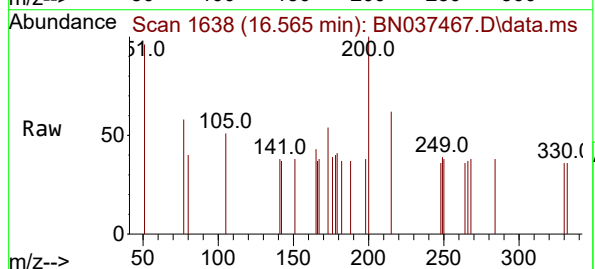
Tgt Ion:200 Resp: 124

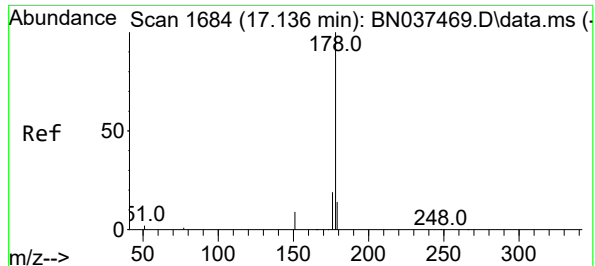
Ion Ratio Lower Upper

200 100

173 53.6 34.3 51.5#

215 62.4 41.6 62.4

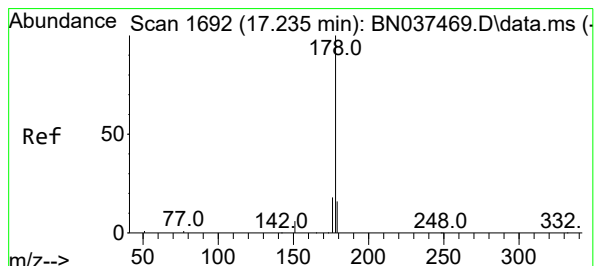
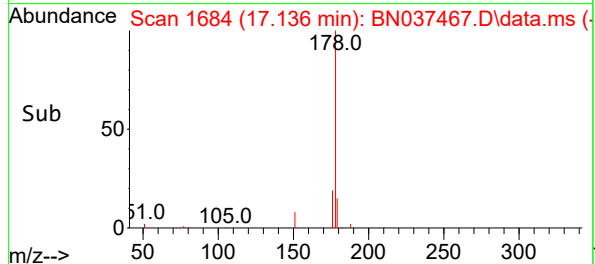
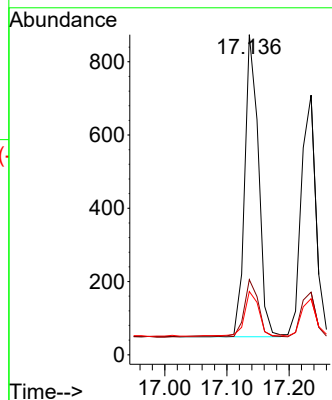
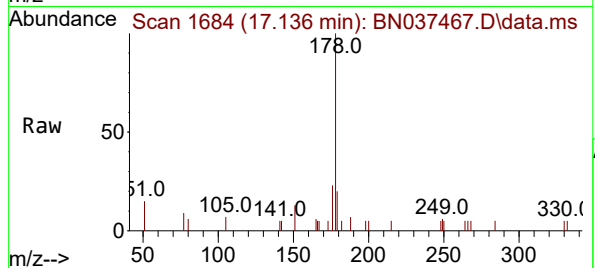




#25
Phenanthrene
Concen: 0.100 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

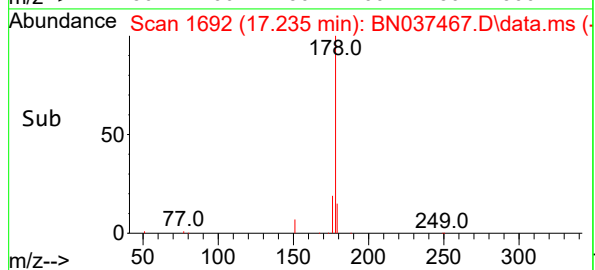
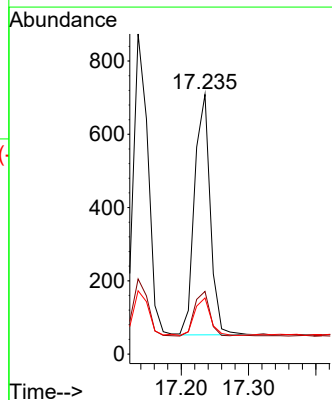
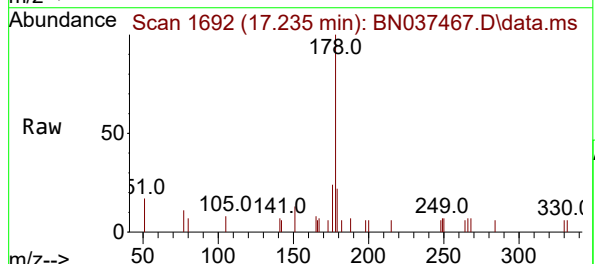
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

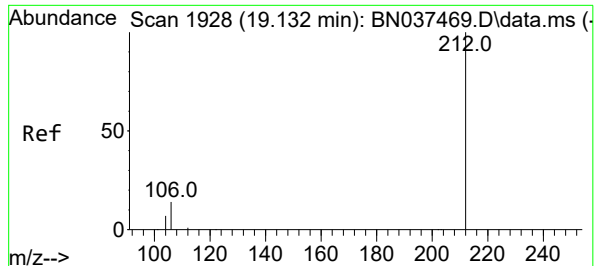
Tgt Ion:178 Resp: 1273
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.7 12.2 18.2



#26
Anthracene
Concen: 0.093 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:178 Resp: 1069
Ion Ratio Lower Upper
178 100
176 18.3 14.9 22.3
179 15.6 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.095 ng

RT: 19.132 min Scan# 1928

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

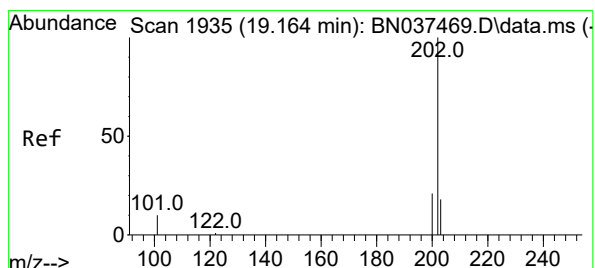
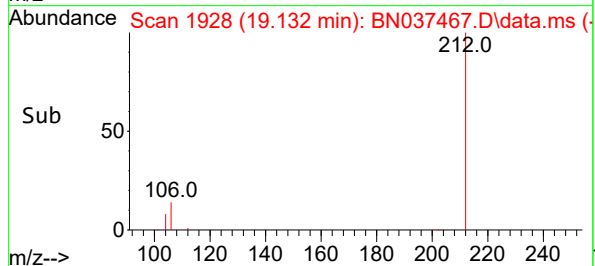
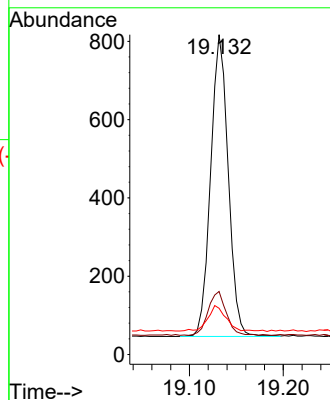
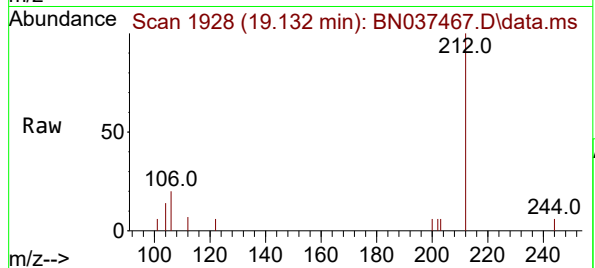
Tgt Ion:212 Resp: 1003

Ion Ratio Lower Upper

212 100

106 14.9 11.7 17.5

104 9.2 6.6 10.0



#28

Fluoranthene

Concen: 0.094 ng

RT: 19.159 min Scan# 1934

Delta R.T. -0.005 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

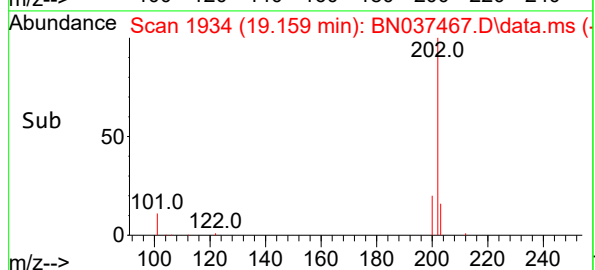
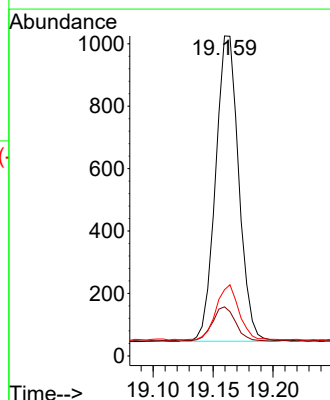
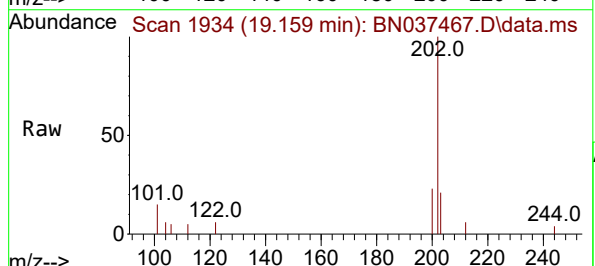
Tgt Ion:202 Resp: 1314

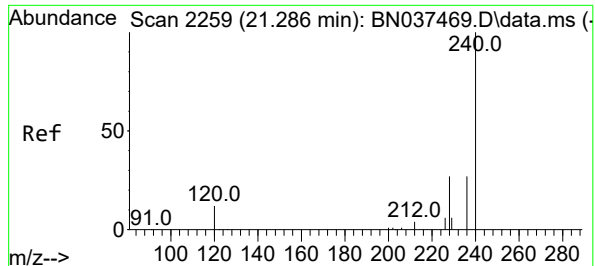
Ion Ratio Lower Upper

202 100

101 11.1 9.2 13.8

203 17.8 14.0 21.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

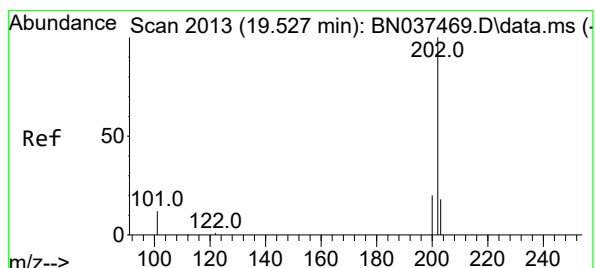
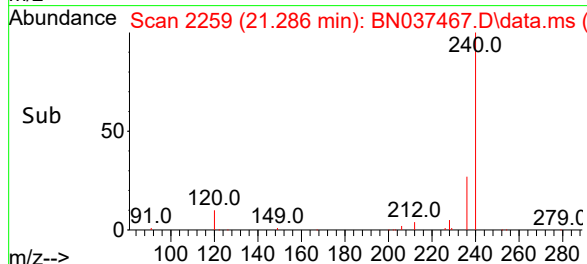
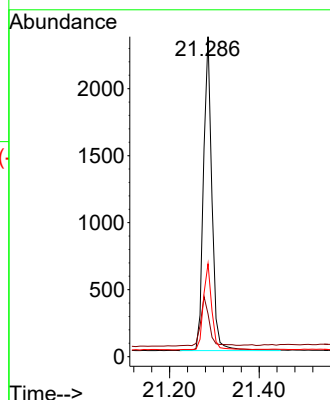
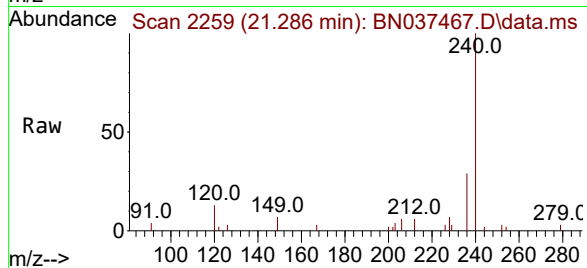
Tgt Ion:240 Resp: 3080

Ion Ratio Lower Upper

240 100

120 13.3 12.4 18.6

236 29.1 22.9 34.3



#30

Pyrene

Concen: 0.104 ng

RT: 19.522 min Scan# 2012

Delta R.T. -0.005 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

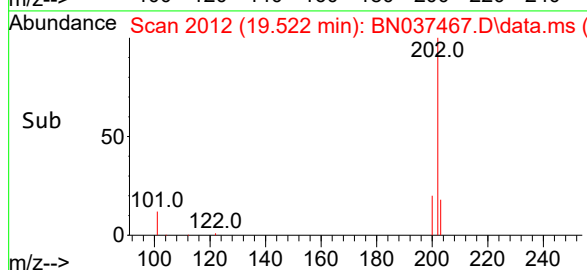
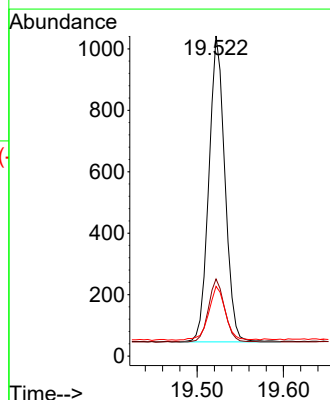
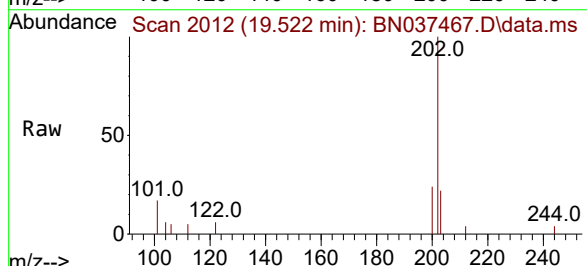
Tgt Ion:202 Resp: 1289

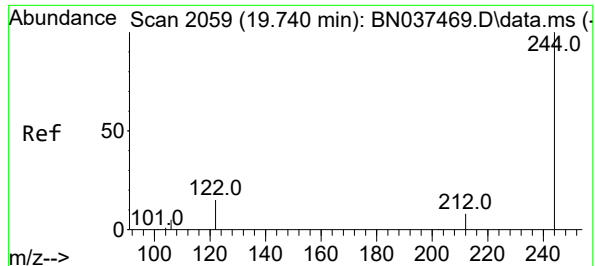
Ion Ratio Lower Upper

202 100

200 20.6 16.4 24.6

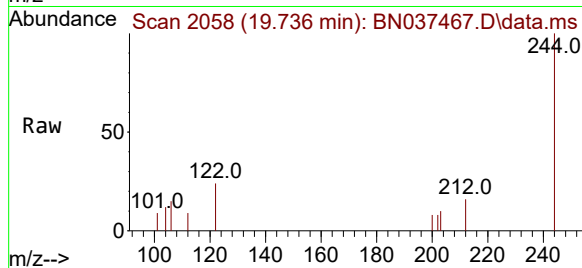
203 18.2 14.3 21.5



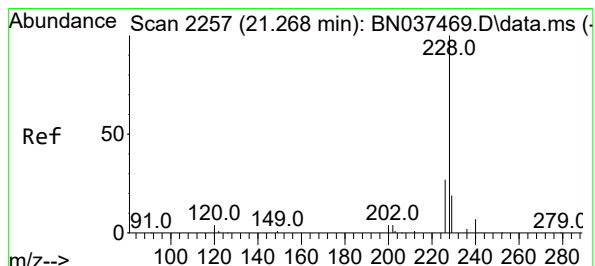
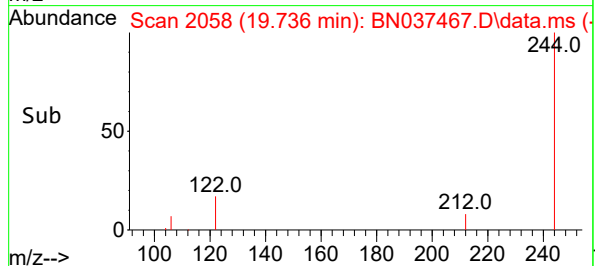
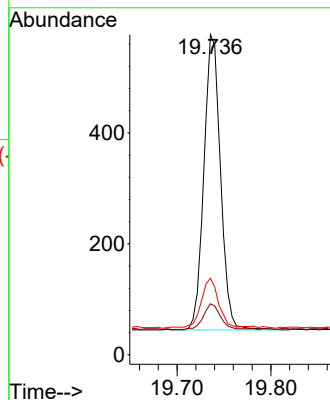


#31
Terphenyl-d14
Concen: 0.102 ng
RT: 19.736 min Scan# 2058
Delta R.T. -0.005 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

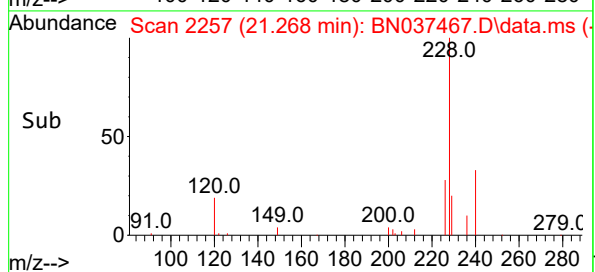
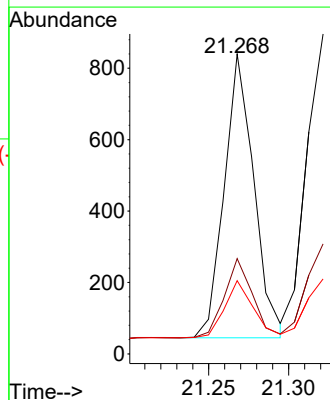
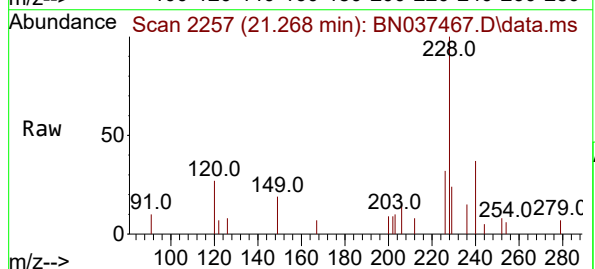


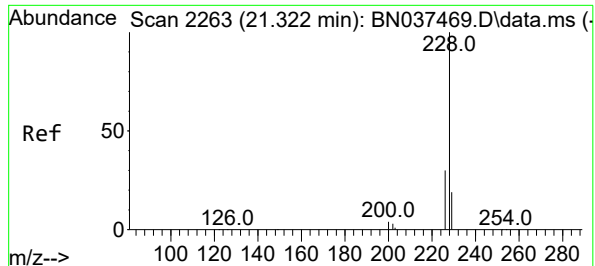
Tgt Ion:244 Resp: 654
Ion Ratio Lower Upper
244 100
212 15.9 8.7 13.1#
122 23.9 14.1 21.1#



#32
Benzo(a)anthracene
Concen: 0.098 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:228 Resp: 1023
Ion Ratio Lower Upper
228 100
226 31.8 22.7 34.1
229 24.4 16.6 24.8





#33

Chrysene

Concen: 0.103 ng

RT: 21.322 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

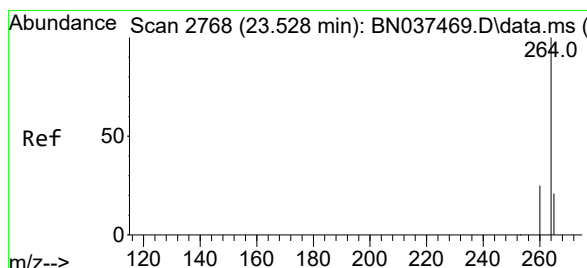
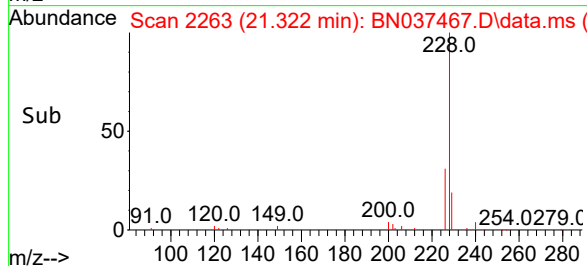
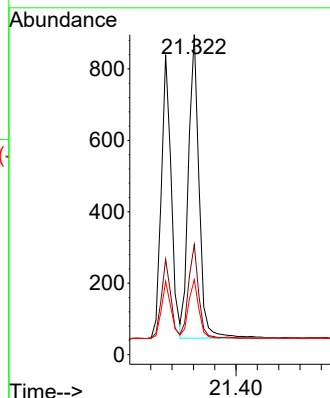
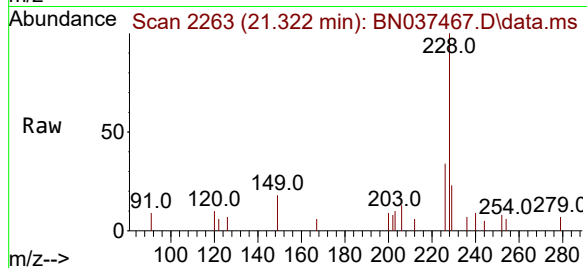
Tgt Ion:228 Resp: 1172

Ion Ratio Lower Upper

228 100

226 34.4 24.6 36.8

229 23.4 16.4 24.6



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.528 min Scan# 2768

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

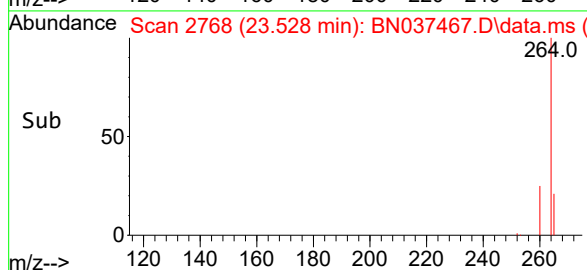
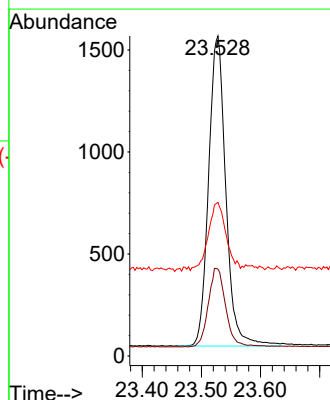
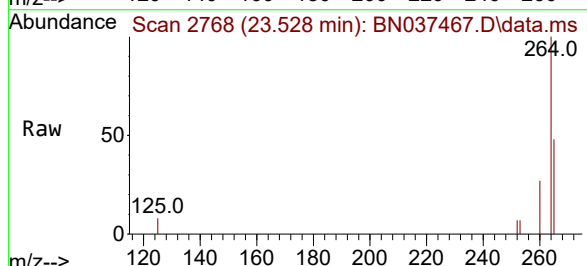
Tgt Ion:264 Resp: 3076

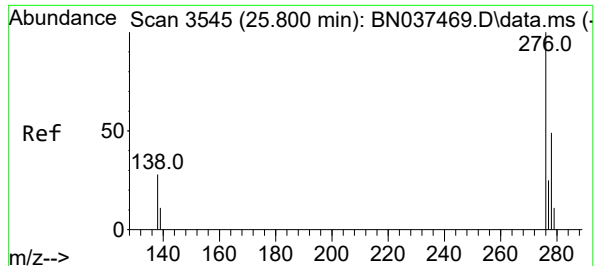
Ion Ratio Lower Upper

264 100

260 27.2 21.7 32.5

265 48.0 41.6 62.4





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.086 ng

RT: 25.794 min Scan# 31

Delta R.T. -0.006 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

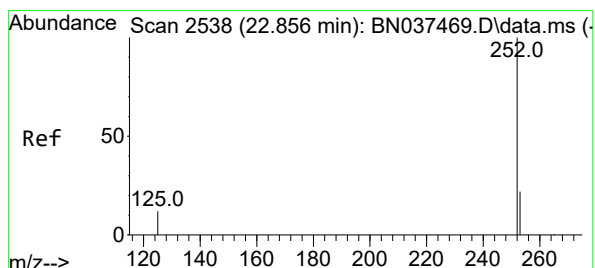
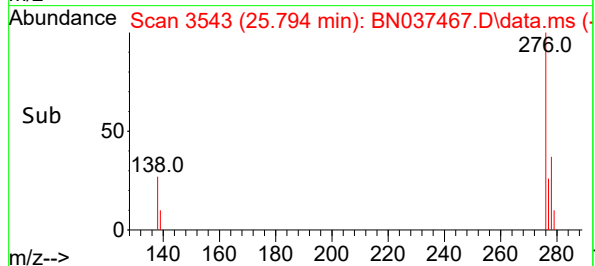
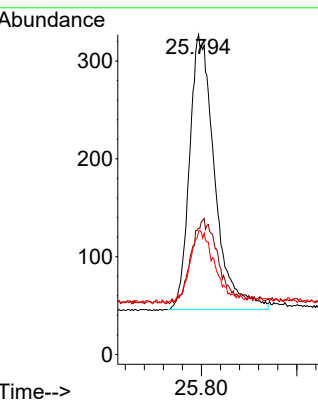
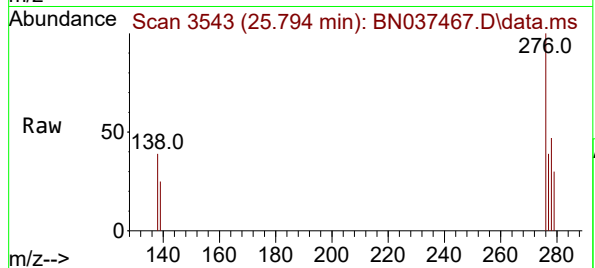
Tgt Ion:276 Resp: 1030

Ion Ratio Lower Upper

276 100

138 31.7 23.4 35.2

277 25.0 19.8 29.8



#37

Benzo(b)fluoranthene

Concen: 0.089 ng

RT: 22.853 min Scan# 2537

Delta R.T. -0.003 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

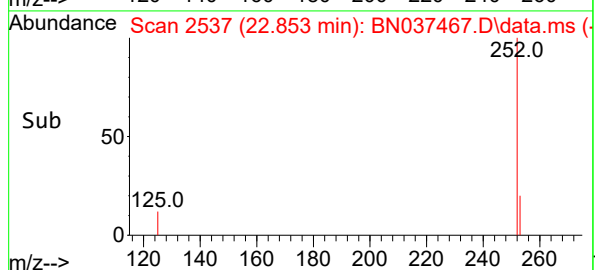
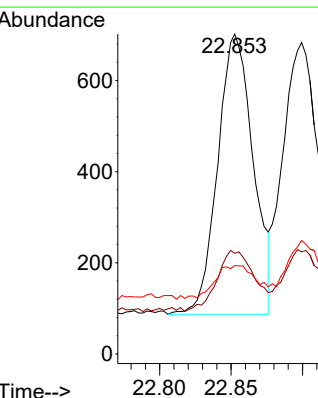
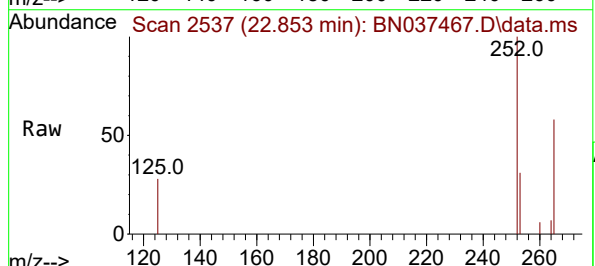
Tgt Ion:252 Resp: 1063

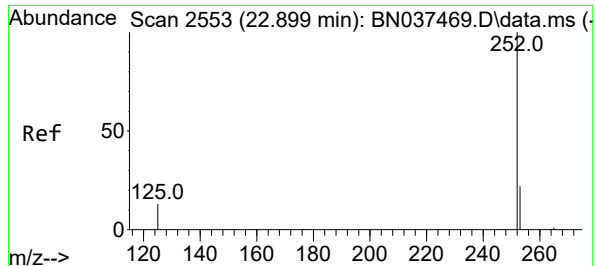
Ion Ratio Lower Upper

252 100

253 31.5 20.1 30.1#

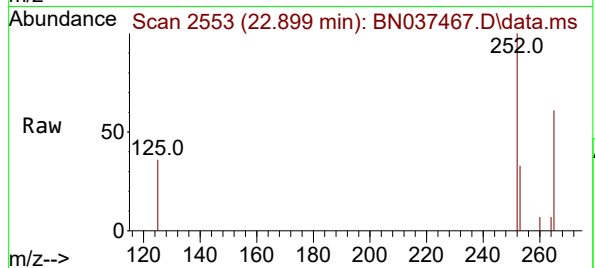
125 27.6 13.7 20.5#



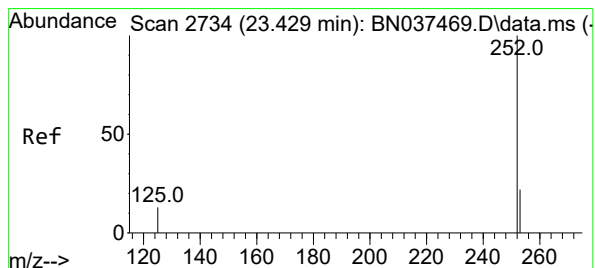
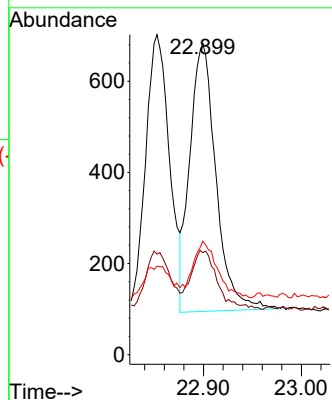


#38
Benzo(k)fluoranthene
Concen: 0.090 ng
RT: 22.899 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

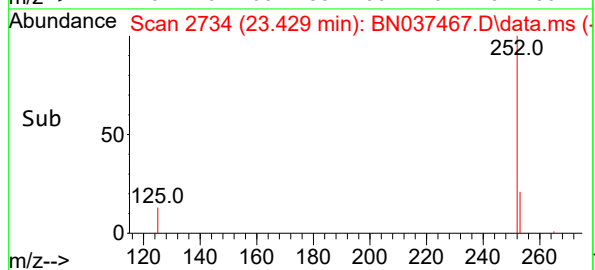
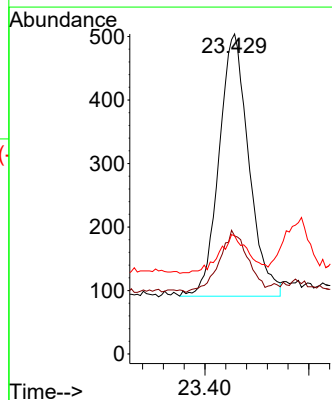
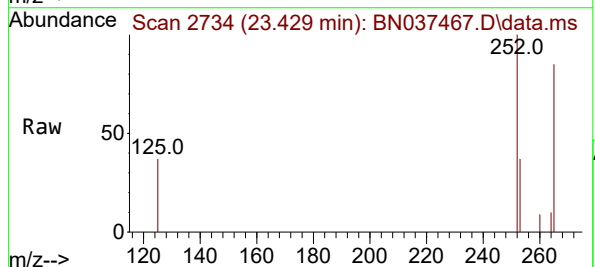


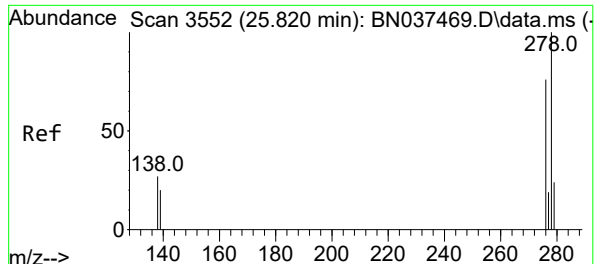
Tgt Ion:252 Resp: 1089
Ion Ratio Lower Upper
252 100
253 32.8 20.4 30.6#
125 36.5 14.6 21.8#



#39
Benzo(a)pyrene
Concen: 0.085 ng
RT: 23.429 min Scan# 2734
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:252 Resp: 822
Ion Ratio Lower Upper
252 100
253 36.9 21.8 32.6#
125 36.9 16.7 25.1#





#40

Dibenzo(a,h)anthracene

Concen: 0.085 ng

RT: 25.823 min Scan# 3

Delta R.T. 0.003 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

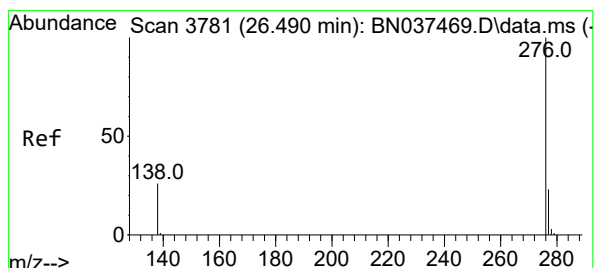
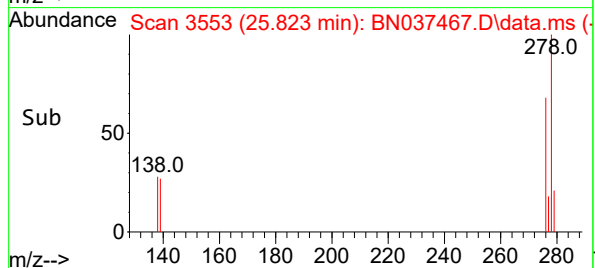
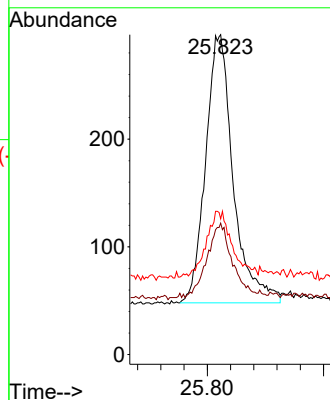
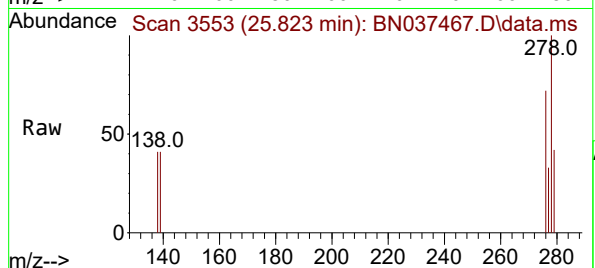
Tgt Ion:278 Resp: 822

Ion Ratio Lower Upper

278 100

139 41.1 19.9 29.9#

279 42.4 24.8 37.2#



#41

Benzo(g,h,i)perylene

Concen: 0.087 ng

RT: 26.487 min Scan# 3780

Delta R.T. -0.003 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

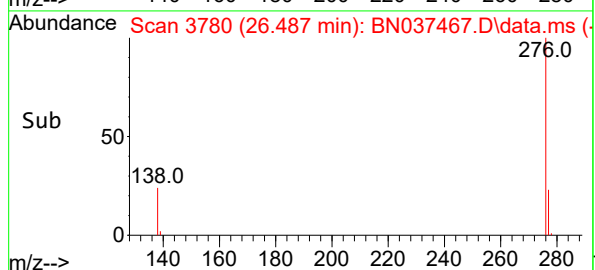
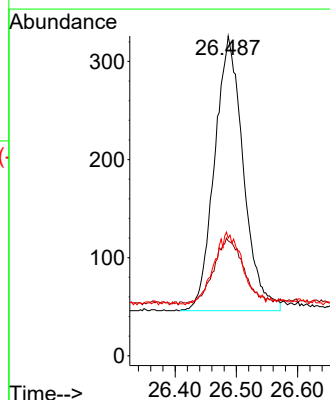
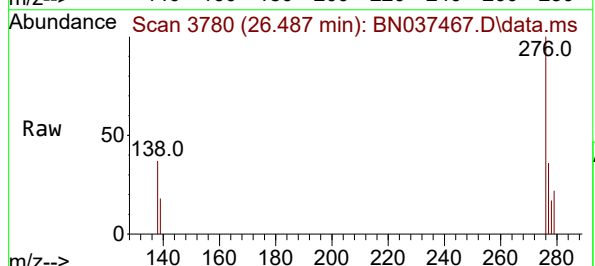
Tgt Ion:276 Resp: 913

Ion Ratio Lower Upper

276 100

277 35.9 21.7 32.5#

138 36.8 24.3 36.5#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
 Data File : BN037468.D
 Acq On : 11 Jul 2025 11:46
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Quant Time: Jul 11 15:25:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:17:19 2025
 Response via : Initial Calibration

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

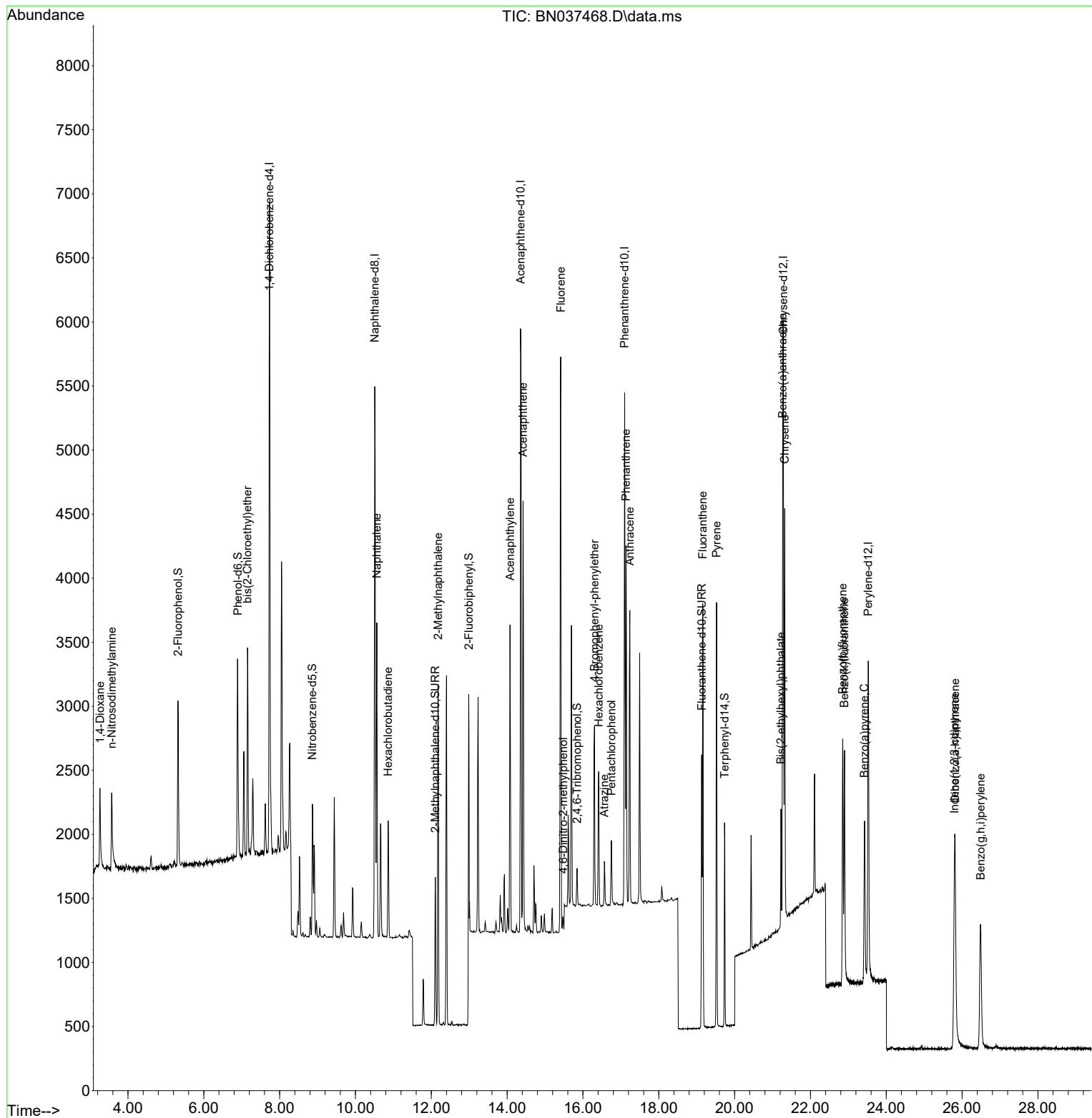
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	2429	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	5847	0.400	ng	0.00
13) Acenaphthene-d10	14.355	164	2772	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	4915	0.400	ng	0.00
29) Chrysene-d12	21.286	240	3653	0.400	ng	# 0.00
35) Perylene-d12	23.525	264	3449	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	1135	0.201	ng	0.00
5) Phenol-d6	6.894	99	1452	0.204	ng	0.00
8) Nitrobenzene-d5	8.865	82	810	0.191	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	1487	0.187	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	159	0.169	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	2982	0.188	ng	0.00
27) Fluoranthene-d10	19.132	212	2301	0.186	ng	0.00
31) Terphenyl-d14	19.736	244	1501	0.197	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.261	88	449	0.197	ng	97
3) n-Nitrosodimethylamine	3.572	42	580	0.190	ng	# 98
6) bis(2-Chloroethyl)ether	7.154	93	1192	0.200	ng	99
9) Naphthalene	10.562	128	3069	0.195	ng	99
10) Hexachlorobutadiene	10.861	225	733	0.194	ng	# 100
12) 2-Methylnaphthalene	12.177	142	1870	0.190	ng	97
16) Acenaphthylene	14.078	152	2451	0.194	ng	99
17) Acenaphthene	14.420	154	1617	0.191	ng	99
18) Fluorene	15.414	166	1985	0.186	ng	99
20) 4,6-Dinitro-2-methylph...	15.478	198	88	0.159	ng	# 71
21) 4-Bromophenyl-phenylether	16.304	248	585	0.191	ng	96
22) Hexachlorobenzene	16.416	284	836	0.198	ng	98
23) Atrazine	16.565	200	273	0.179	ng	92
24) Pentachlorophenol	16.751	266	258	0.177	ng	98
25) Phenanthrene	17.136	178	2862	0.191	ng	99
26) Anthracene	17.235	178	2543	0.188	ng	100
28) Fluoranthene	19.160	202	3035	0.185	ng	100
30) Pyrene	19.522	202	2977	0.203	ng	100
32) Benzo(a)anthracene	21.268	228	2392	0.193	ng	98
33) Chrysene	21.322	228	2716	0.201	ng	99
34) Bis(2-ethylhexyl)phtha...	21.223	149	823	0.196	ng	98
36) Indeno(1,2,3-cd)pyrene	25.797	276	2270	0.170	ng	99
37) Benzo(b)fluoranthene	22.853	252	2454	0.183	ng	96
38) Benzo(k)fluoranthene	22.897	252	2369	0.174	ng	95
39) Benzo(a)pyrene	23.426	252	1913	0.177	ng	94
40) Dibenzo(a,h)anthracene	25.817	278	1791	0.166	ng	95
41) Benzo(g,h,i)perylene	26.487	276	2131	0.180	ng	95

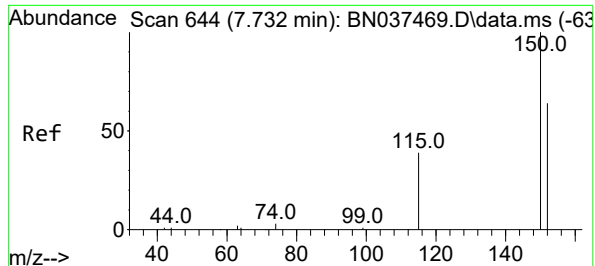
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
 Data File : BN037468.D
 Acq On : 11 Jul 2025 11:46
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

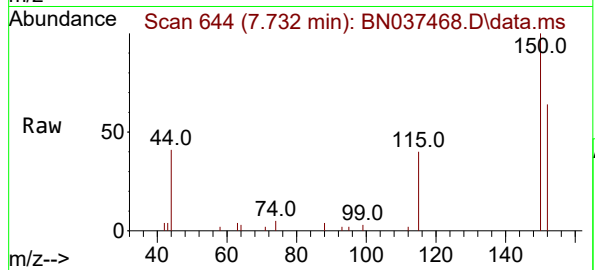
Quant Time: Jul 11 15:25:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:17:19 2025
 Response via : Initial Calibration



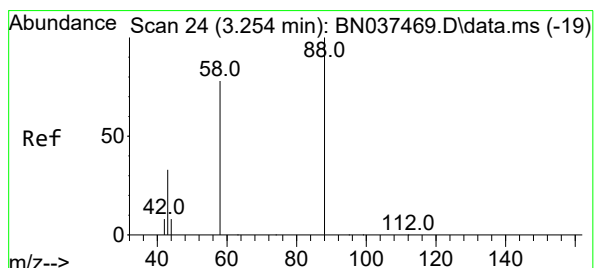
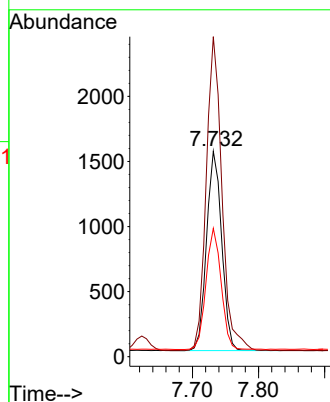
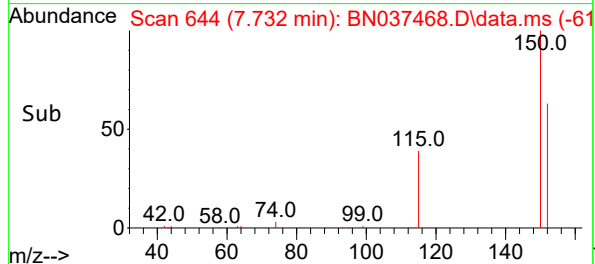


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.732 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

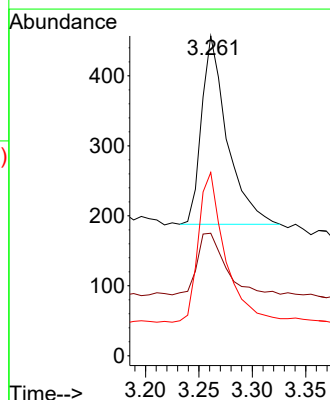
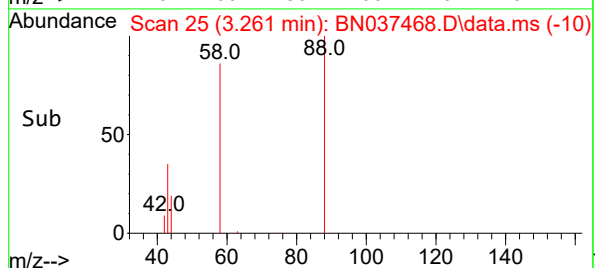
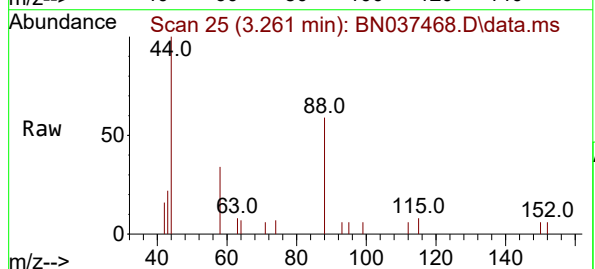


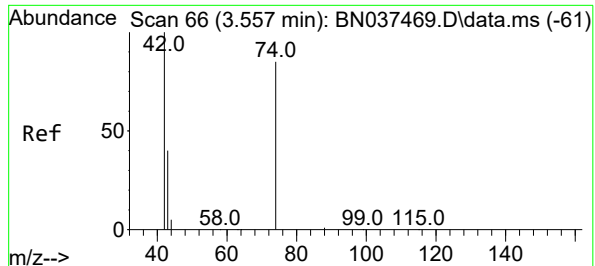
Tgt Ion:152 Resp: 2429
Ion Ratio Lower Upper
152 100
150 155.7 122.5 183.7
115 62.4 49.9 74.9



#2
1,4-Dioxane
Concen: 0.197 ng
RT: 3.261 min Scan# 25
Delta R.T. 0.007 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

Tgt Ion: 88 Resp: 449
Ion Ratio Lower Upper
88 100
43 37.0 30.7 46.1
58 83.5 65.0 97.4

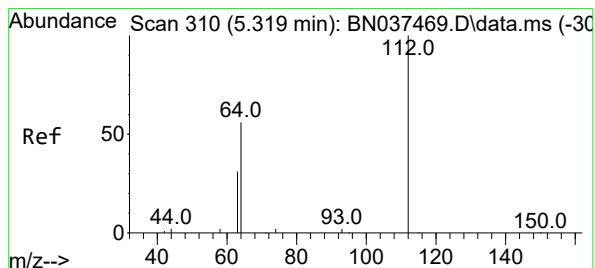
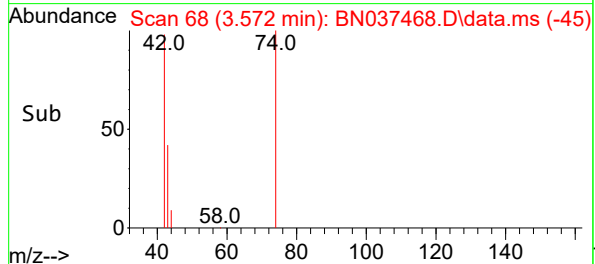
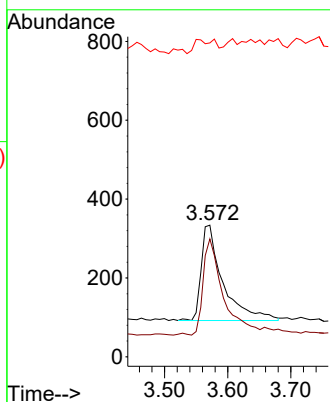
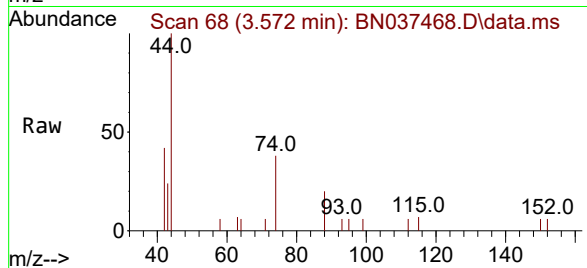




#3
n-Nitrosodimethylamine
Concen: 0.190 ng
RT: 3.572 min Scan# 61
Delta R.T. 0.014 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

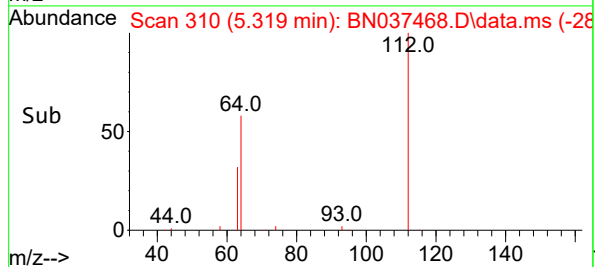
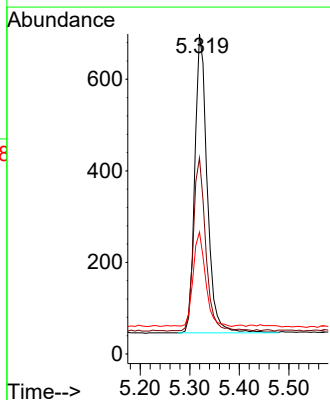
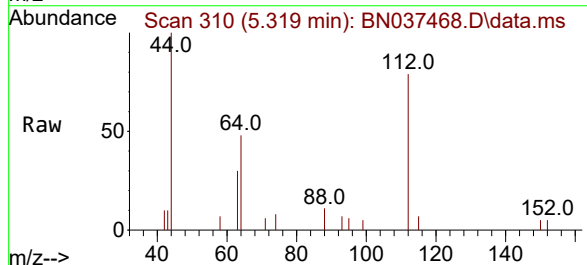
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

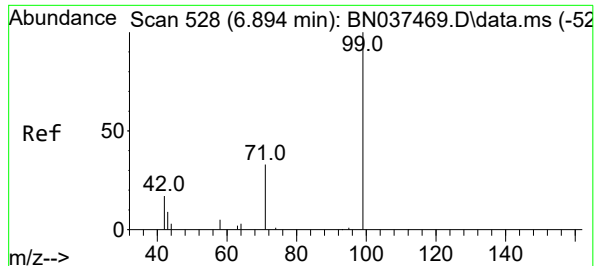
Tgt Ion: 42 Resp: 580
Ion Ratio Lower Upper
42 100
74 93.1 74.9 112.3
44 13.6 7.2 10.8#



#4
2-Fluorophenol
Concen: 0.201 ng
RT: 5.319 min Scan# 310
Delta R.T. -0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

Tgt Ion: 112 Resp: 1135
Ion Ratio Lower Upper
112 100
64 57.7 45.4 68.0
63 31.4 24.7 37.1

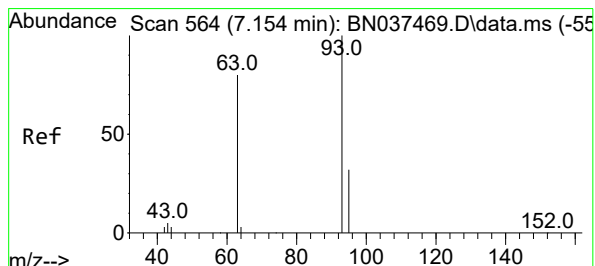
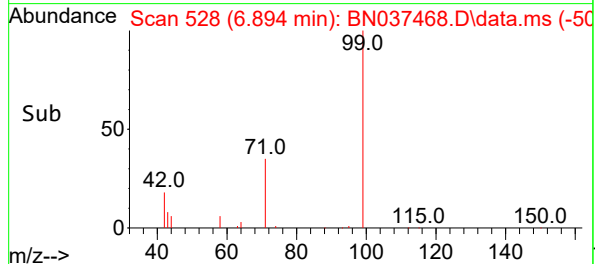
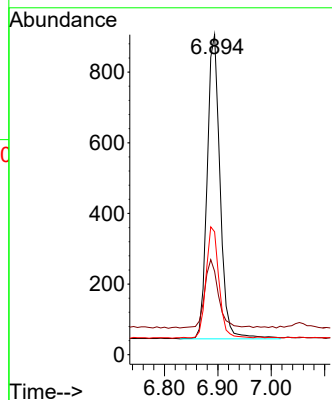
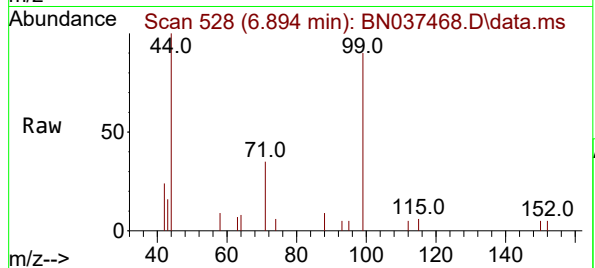




#5
Phenol-d6
Concen: 0.204 ng
RT: 6.894 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

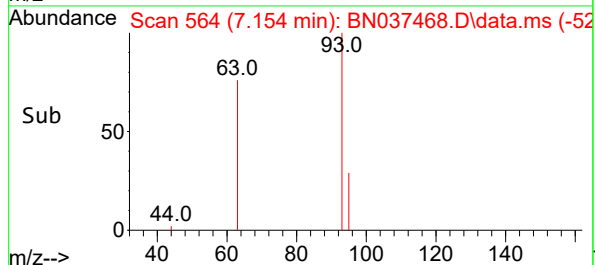
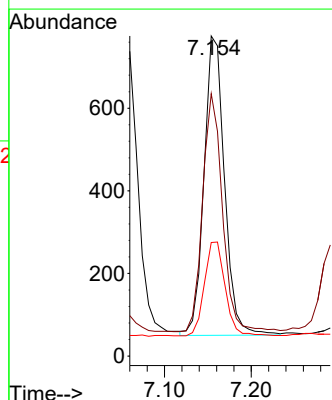
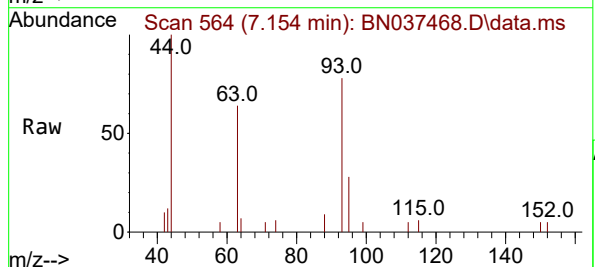
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

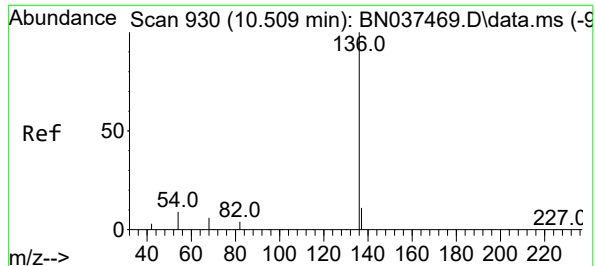
Tgt Ion	Ratio	Lower	Upper
99	100		
42	23.8	19.5	29.3
71	36.2	29.4	44.2



#6
bis(2-Chloroethyl)ether
Concen: 0.200 ng
RT: 7.154 min Scan# 564
Delta R.T. -0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

Tgt Ion	Ratio	Lower	Upper
93	100		
63	76.8	60.8	91.2
95	31.9	25.6	38.4

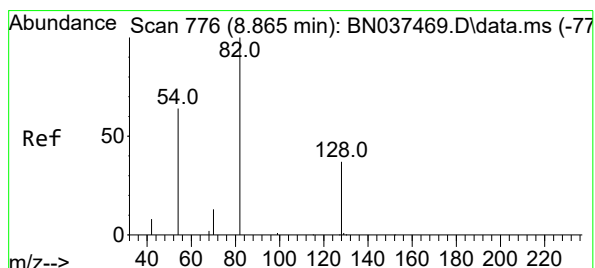
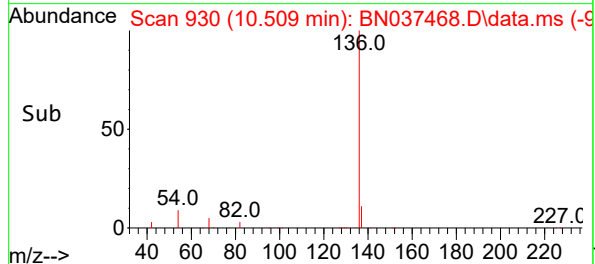
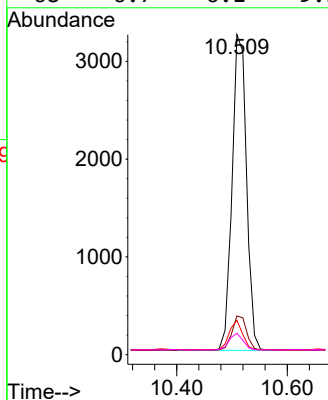
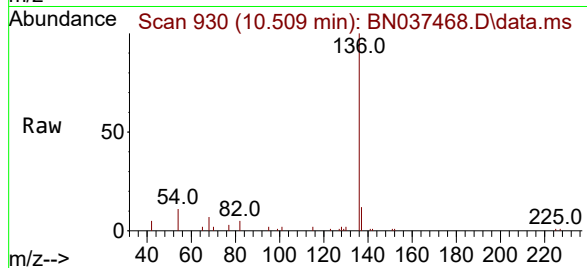




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

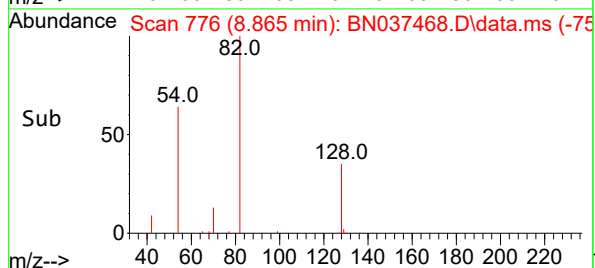
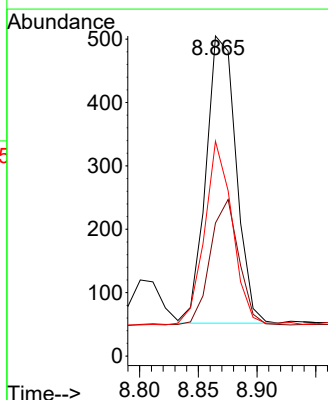
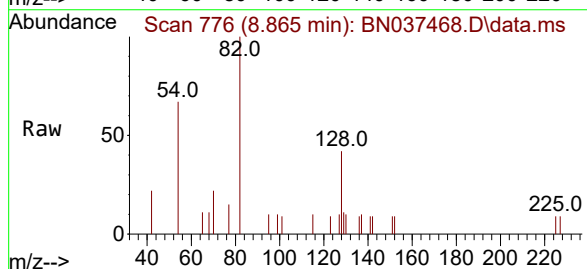
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

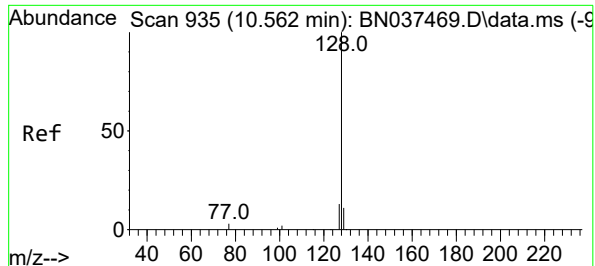
Tgt Ion:	136	Resp:	5847
Ion	Ratio	Lower	Upper
136	100		
137	12.1	10.0	15.0
54	10.8	9.0	13.6
68	6.7	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.191 ng
RT: 8.865 min Scan# 776
Delta R.T. -0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

Tgt Ion:	82	Resp:	810
Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.1	49.7
54	67.1	53.0	79.4

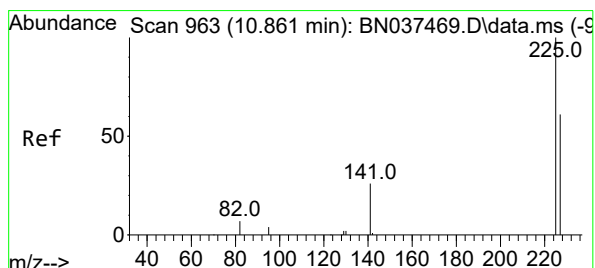
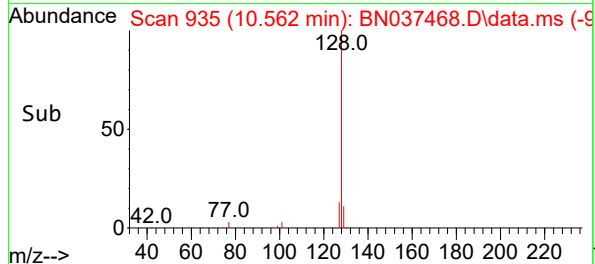
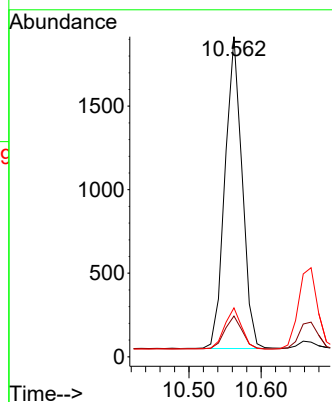
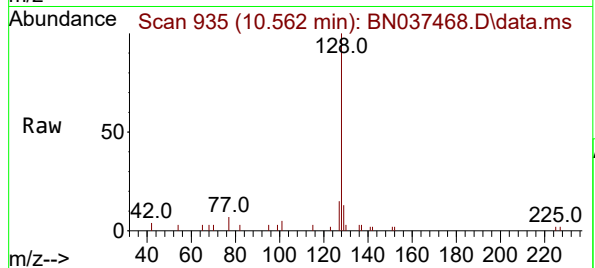




#9
Naphthalene
Concen: 0.195 ng
RT: 10.562 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

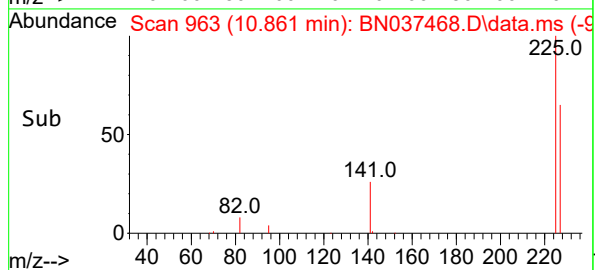
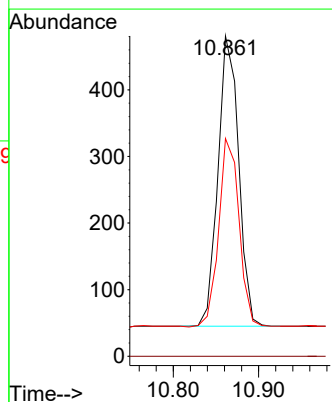
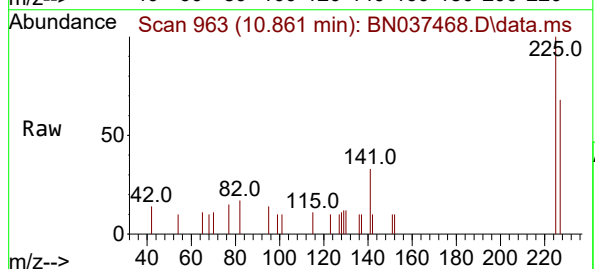
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

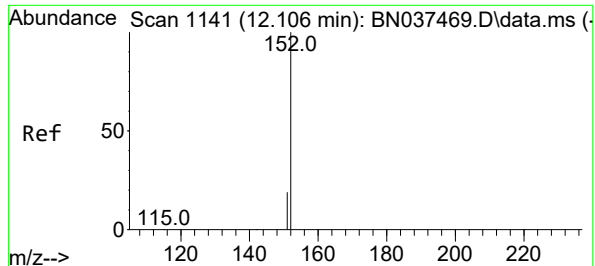
Tgt Ion	128	129	127
Resp:	3069		
Ion Ratio	100	12.7	15.3
Lower		10.2	11.8
Upper		15.2	17.6



#10
Hexachlorobutadiene
Concen: 0.194 ng
RT: 10.861 min Scan# 963
Delta R.T. -0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

Tgt Ion	225	223	227
Resp:	733		
Ion Ratio	100	0.0	64.3
Lower		0.0	51.4
Upper		0.0	77.2

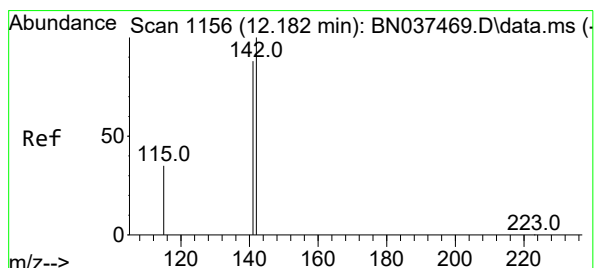
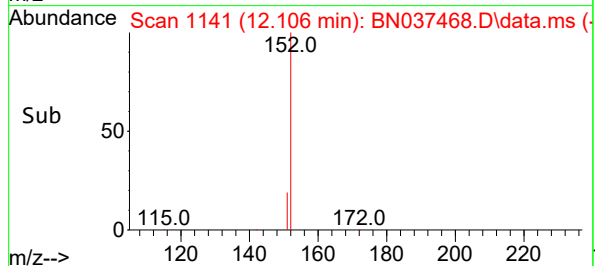
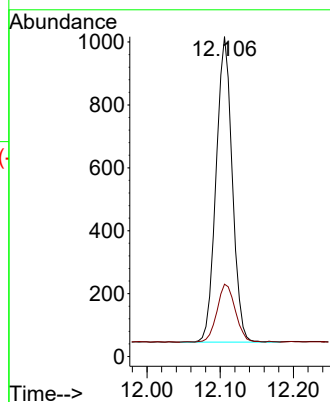
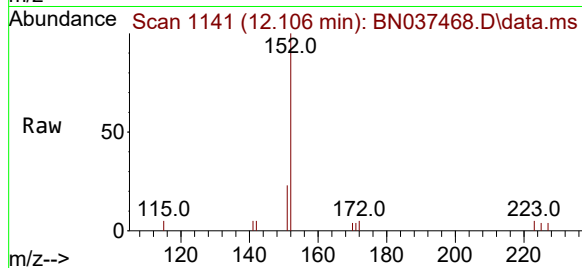




#11
2-Methylnaphthalene-d10
Concen: 0.187 ng
RT: 12.106 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

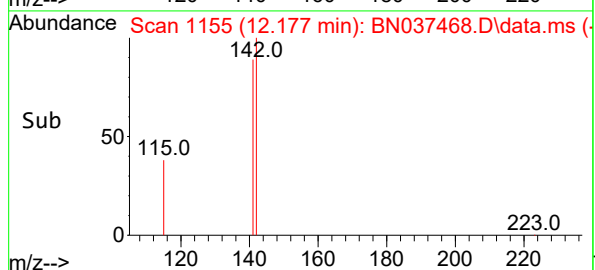
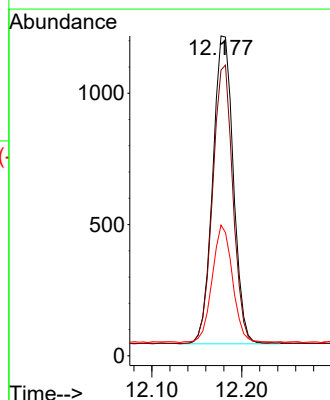
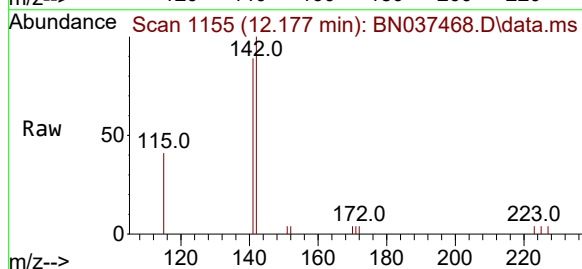
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

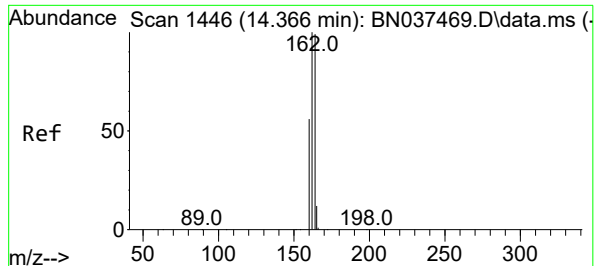
Tgt Ion:152 Resp: 1487
Ion Ratio Lower Upper
152 100
151 21.5 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.190 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

Tgt Ion:142 Resp: 1870
Ion Ratio Lower Upper
142 100
141 89.3 70.6 105.8
115 40.9 30.0 45.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.355 min Scan# 1445

Delta R.T. -0.011 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

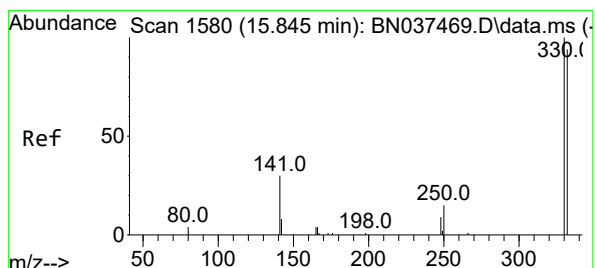
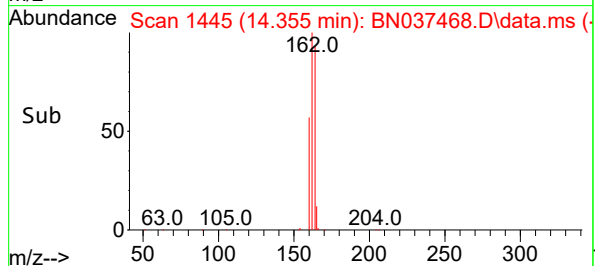
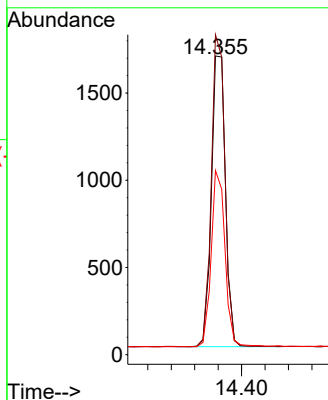
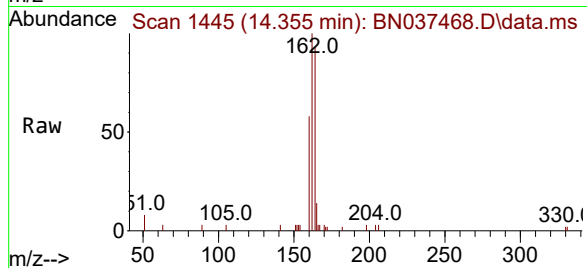
Tgt Ion:164 Resp: 2772

Ion Ratio Lower Upper

164 100

162 107.1 81.1 121.7

160 61.6 46.5 69.7



#14

2,4,6-Tribromophenol

Concen: 0.169 ng

RT: 15.845 min Scan# 1580

Delta R.T. -0.000 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

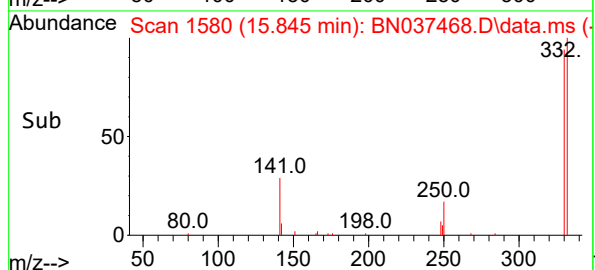
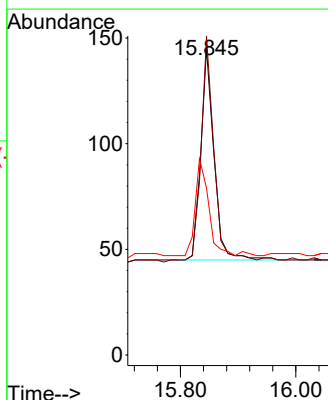
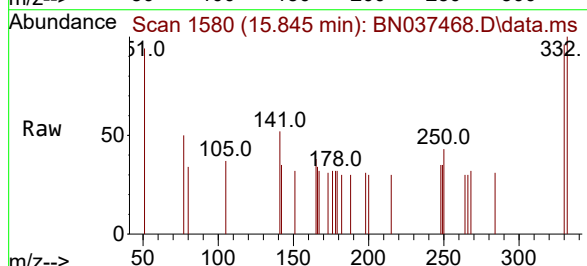
Tgt Ion:330 Resp: 159

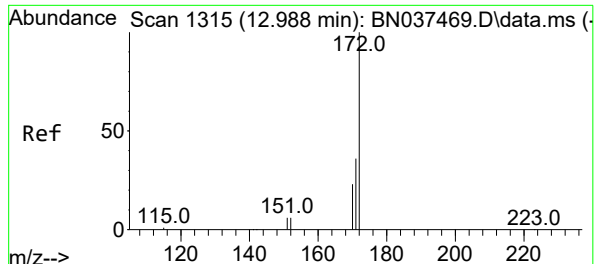
Ion Ratio Lower Upper

330 100

332 106.9 82.0 123.0

141 45.9 36.2 54.2





#15

2-Fluorobiphenyl

Concen: 0.188 ng

RT: 12.988 min Scan# 1315

Delta R.T. -0.000 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

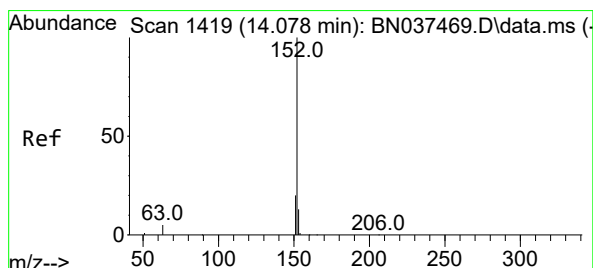
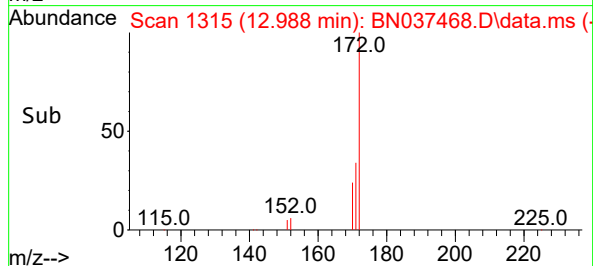
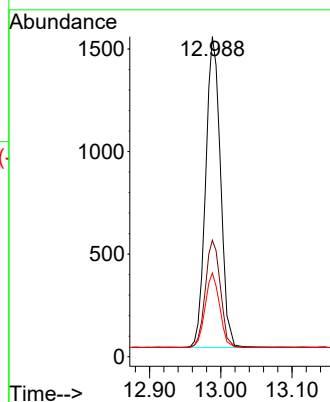
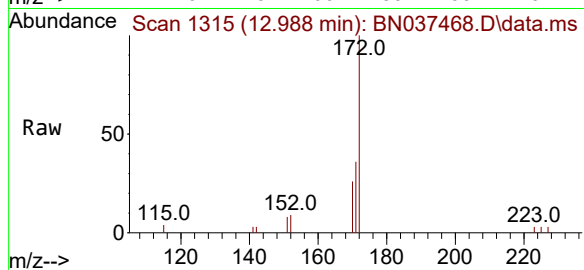
Tgt Ion:172 Resp: 2982

Ion Ratio Lower Upper

172 100

171 36.4 29.8 44.8

170 26.2 20.0 30.0



#16

Acenaphthylene

Concen: 0.194 ng

RT: 14.078 min Scan# 1419

Delta R.T. -0.000 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

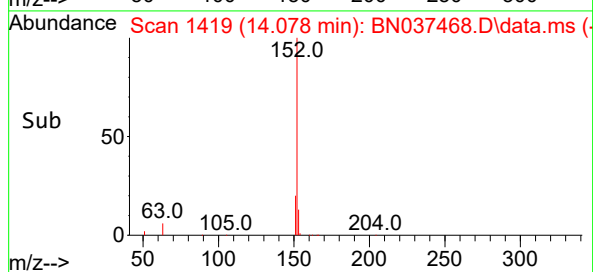
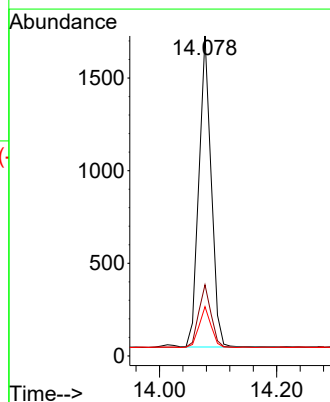
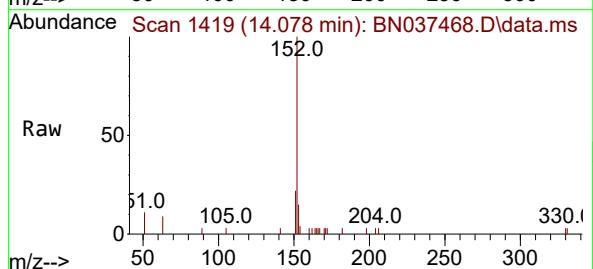
Tgt Ion:152 Resp: 2451

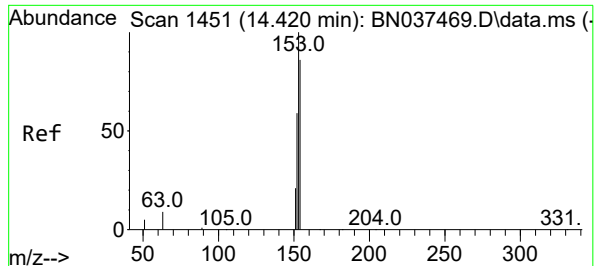
Ion Ratio Lower Upper

152 100

151 20.7 16.4 24.6

153 12.8 10.6 15.8





#17

Acenaphthene

Concen: 0.191 ng

RT: 14.420 min Scan# 1451

Delta R.T. -0.000 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

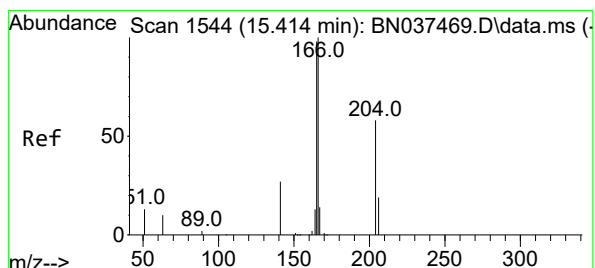
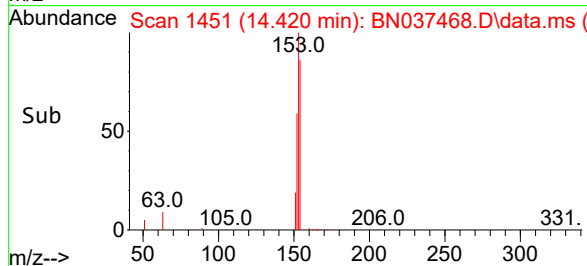
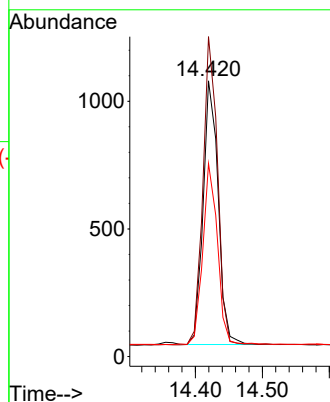
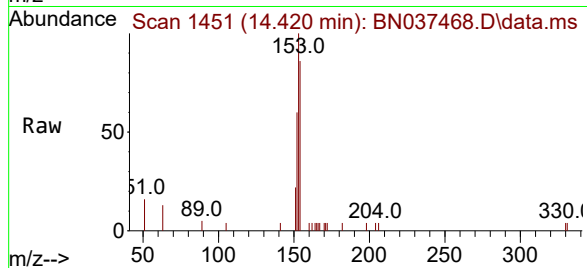
Tgt Ion:154 Resp: 1617

Ion Ratio Lower Upper

154 100

153 112.9 89.4 134.0

152 67.0 53.2 79.8



#18

Fluorene

Concen: 0.186 ng

RT: 15.414 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

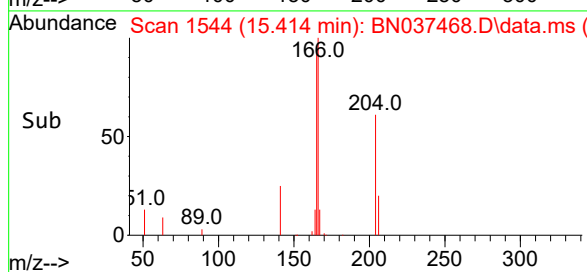
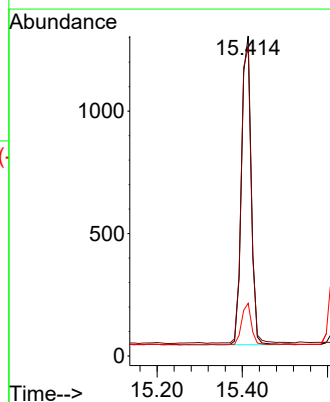
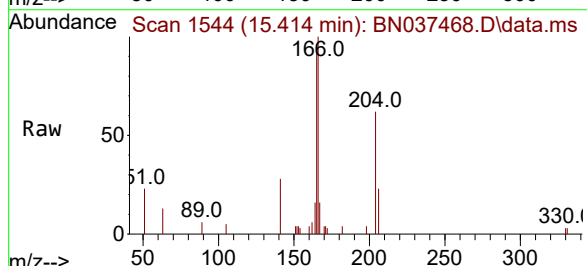
Tgt Ion:166 Resp: 1985

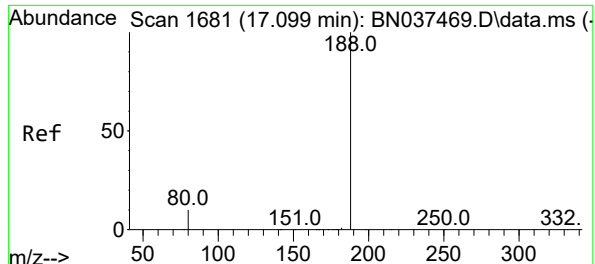
Ion Ratio Lower Upper

166 100

165 99.9 79.4 119.2

167 13.4 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

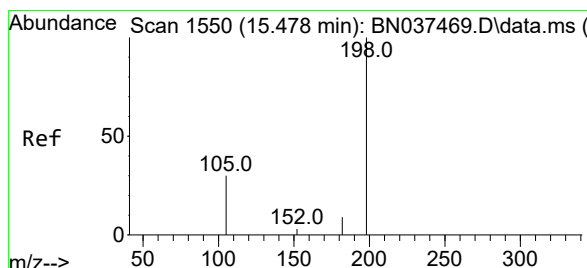
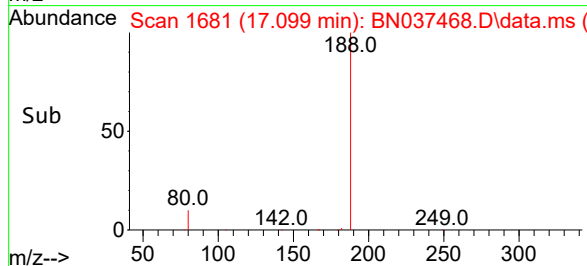
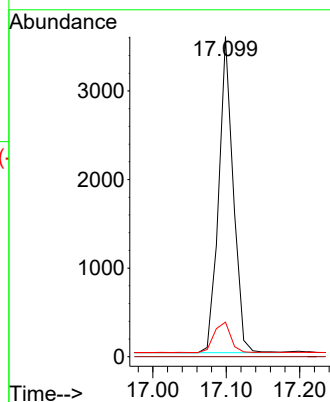
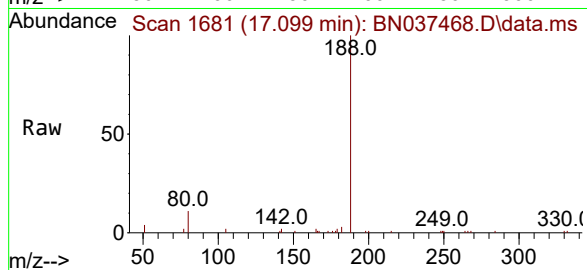
Tgt Ion:188 Resp: 4915

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.8 9.3 13.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.159 ng

RT: 15.478 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

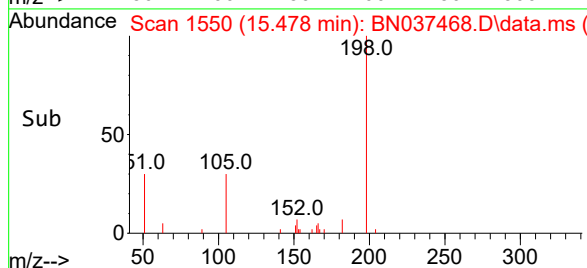
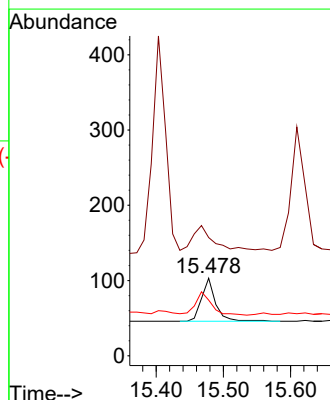
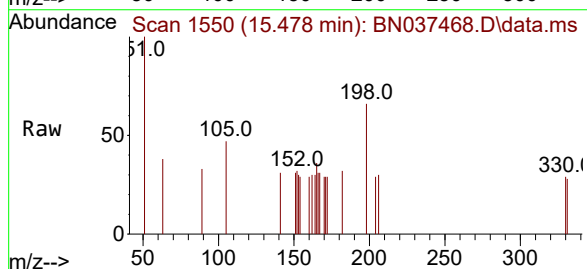
Tgt Ion:198 Resp: 88

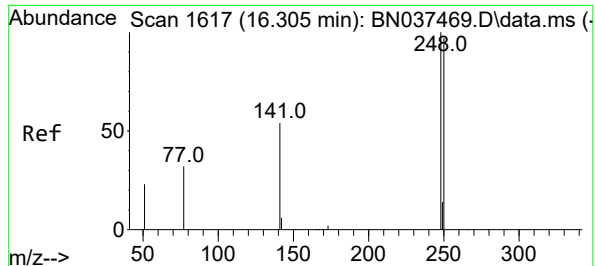
Ion Ratio Lower Upper

198 100

51 152.4 86.0 129.0#

105 71.8 53.0 79.4

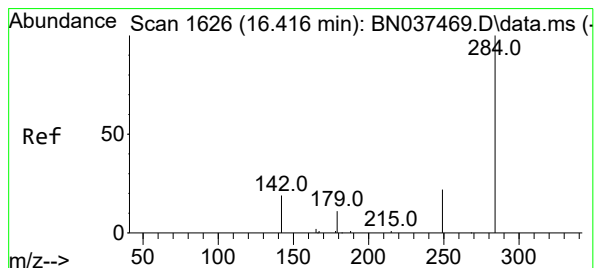
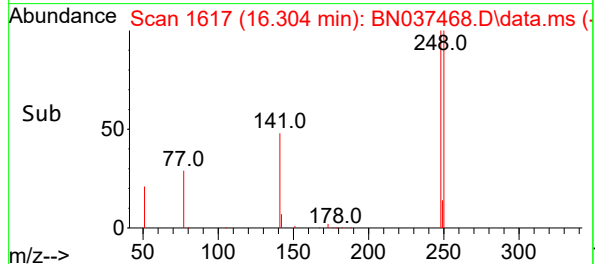
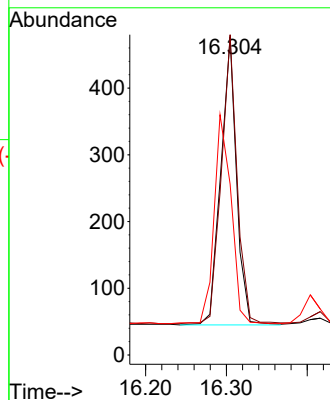
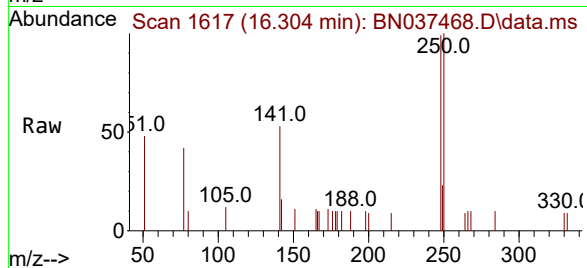




#21
4-Bromophenyl-phenylether
Concen: 0.191 ng
RT: 16.304 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

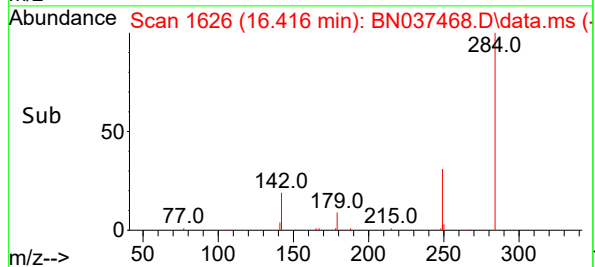
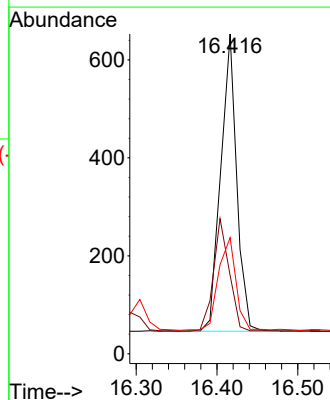
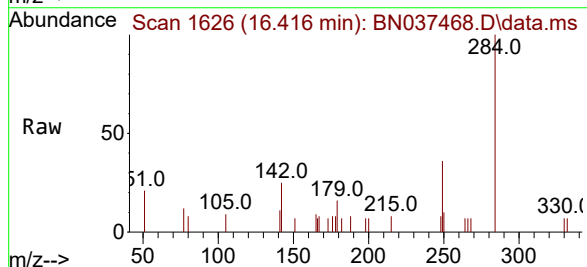
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

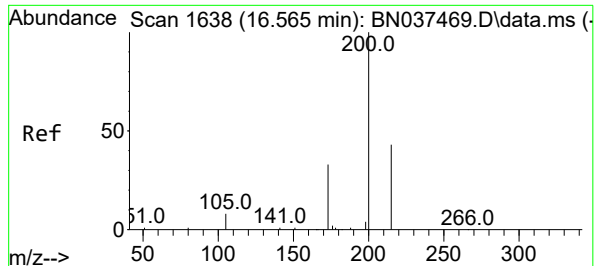
Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.6	77.8	116.6
141	53.7	45.9	68.9



#22
Hexachlorobenzene
Concen: 0.198 ng
RT: 16.416 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.7	31.3	46.9
249	34.4	26.6	40.0

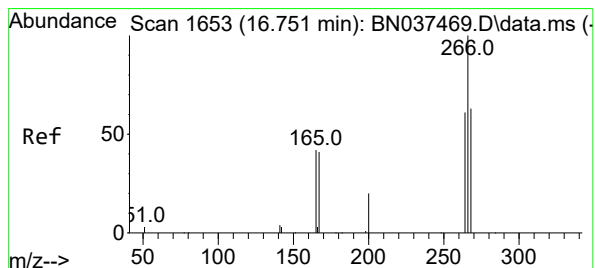
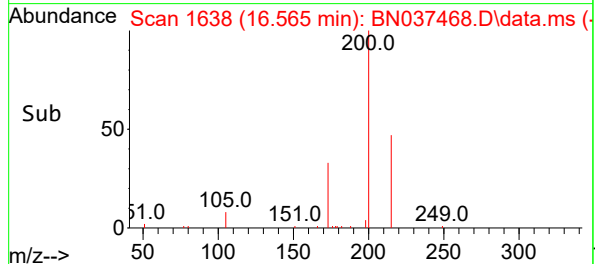
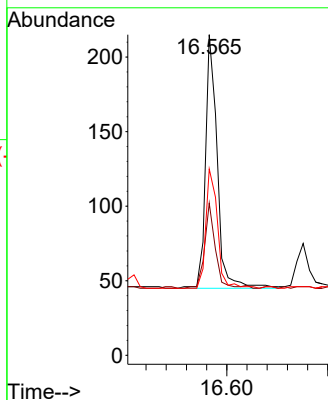
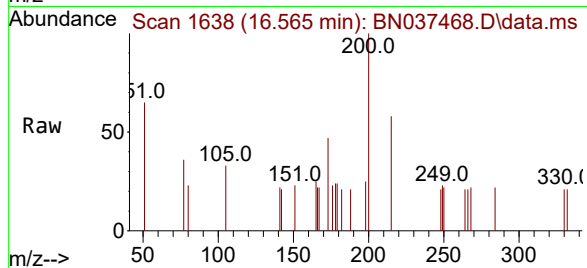




#23
Atrazine
Concen: 0.179 ng
RT: 16.565 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

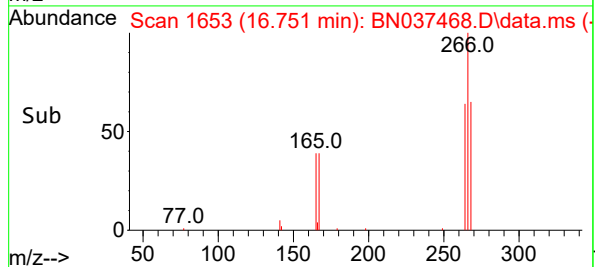
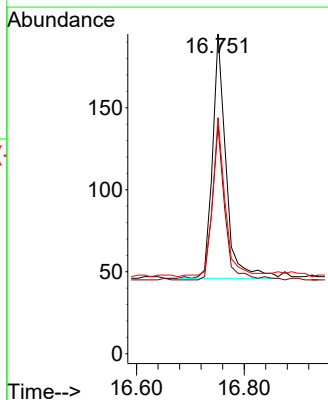
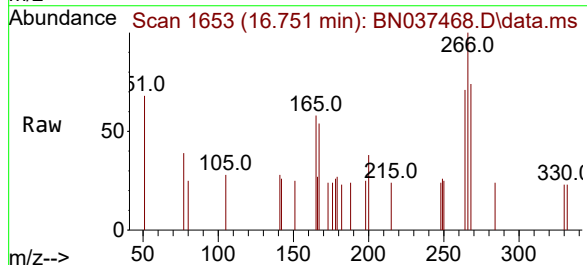
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

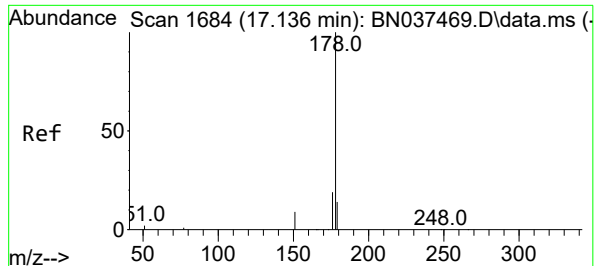
Tgt Ion	Ratio	Lower	Upper
200	100		
173	47.4	34.3	51.5
215	58.1	41.6	62.4



#24
Pentachlorophenol
Concen: 0.177 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

Tgt Ion	Ratio	Lower	Upper
266	100		
264	58.1	47.5	71.3
268	61.2	50.6	76.0

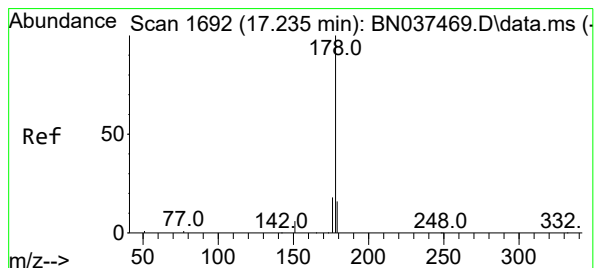
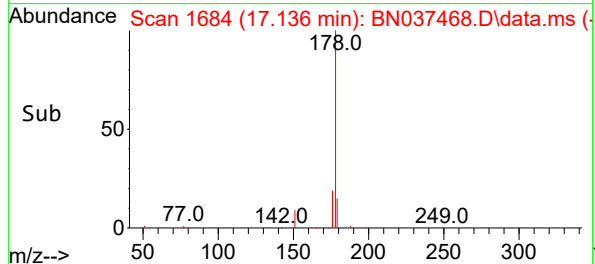
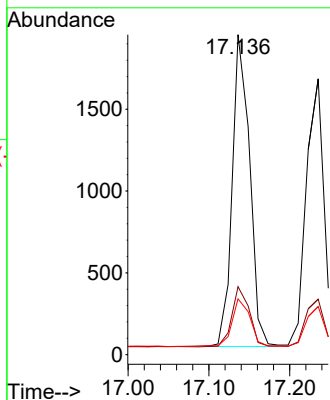
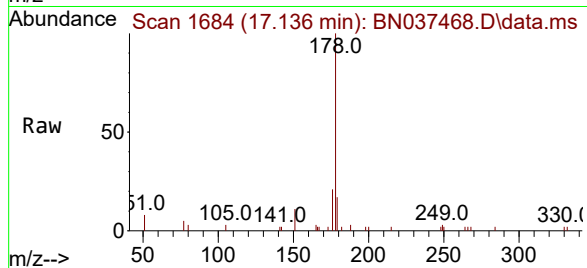




#25
Phenanthrene
Concen: 0.191 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

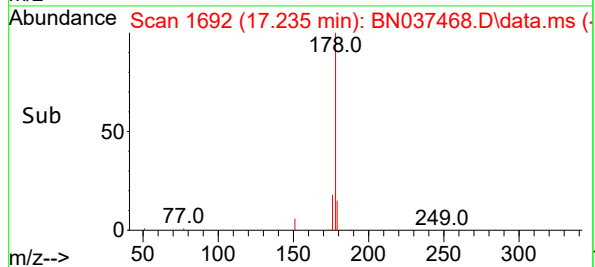
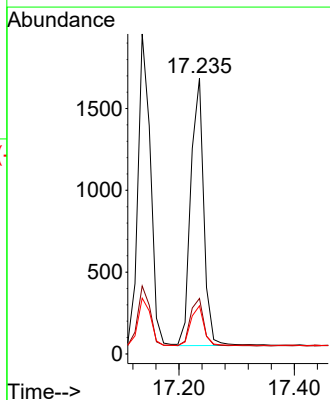
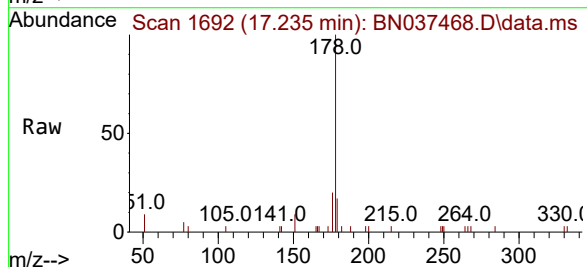
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

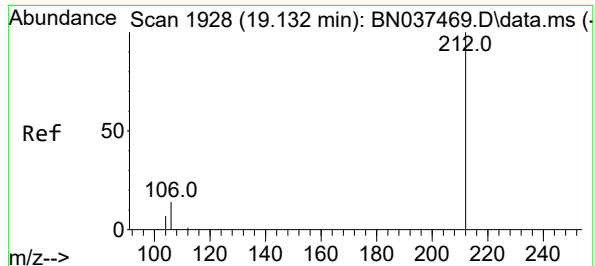
Tgt Ion:178 Resp: 2862
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.7 12.2 18.2



#26
Anthracene
Concen: 0.188 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

Tgt Ion:178 Resp: 2543
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.1 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.186 ng

RT: 19.132 min Scan# 1928

Delta R.T. -0.000 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

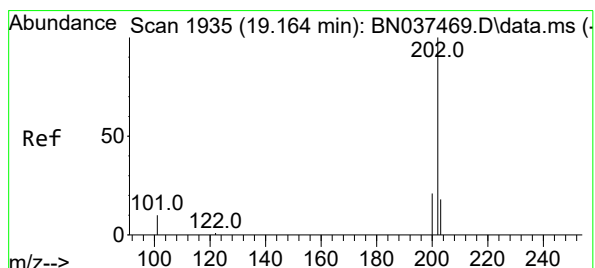
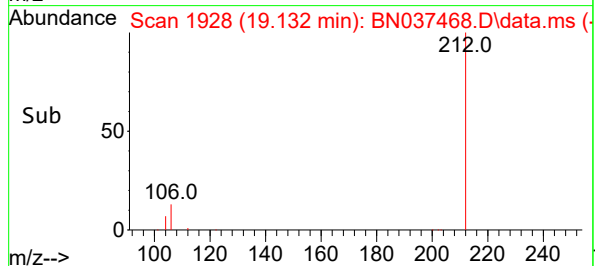
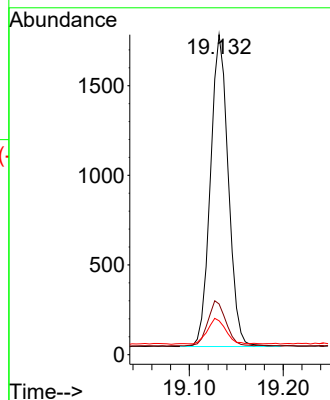
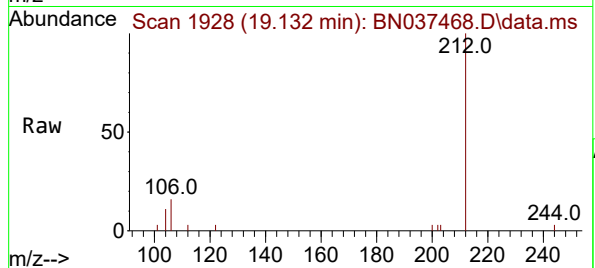
Tgt Ion:212 Resp: 2301

Ion Ratio Lower Upper

212 100

106 14.5 11.7 17.5

104 8.2 6.6 10.0



#28

Fluoranthene

Concen: 0.185 ng

RT: 19.160 min Scan# 1934

Delta R.T. -0.005 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

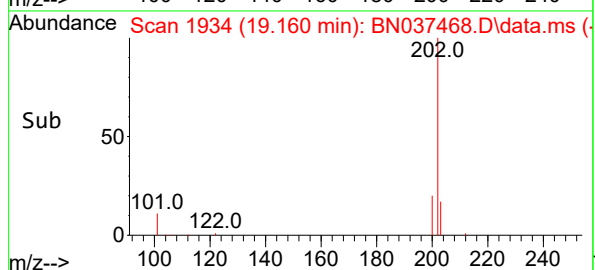
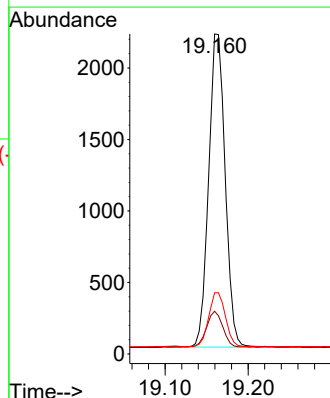
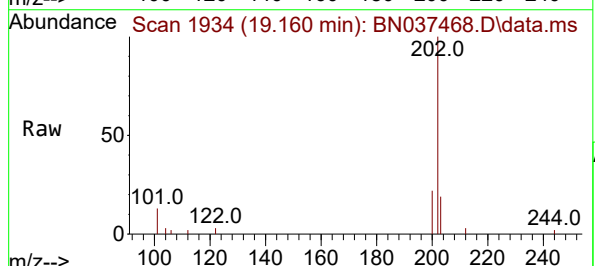
Tgt Ion:202 Resp: 3035

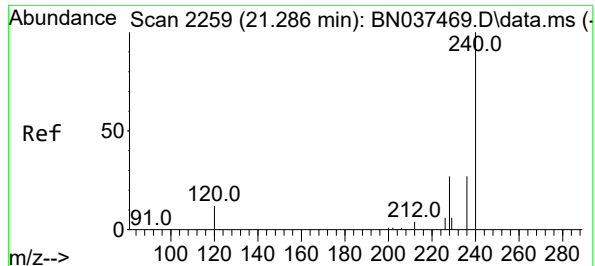
Ion Ratio Lower Upper

202 100

101 11.5 9.2 13.8

203 17.5 14.0 21.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

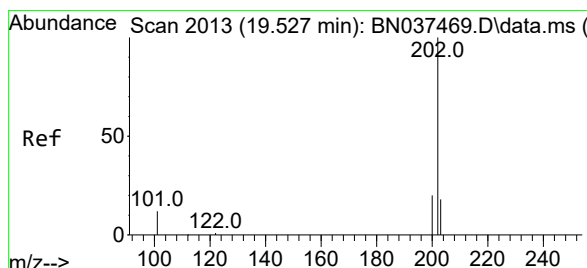
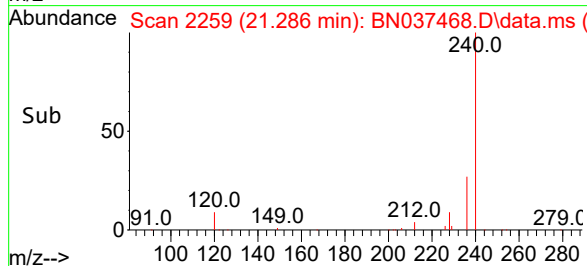
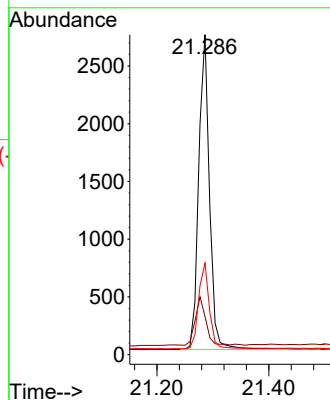
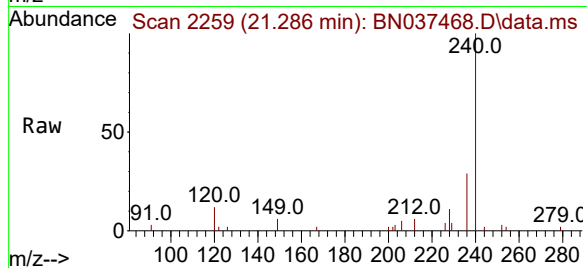
Tgt Ion:240 Resp: 3653

Ion Ratio Lower Upper

240 100

120 11.9 12.4 18.6#

236 28.6 22.9 34.3



#30

Pyrene

Concen: 0.203 ng

RT: 19.522 min Scan# 2012

Delta R.T. -0.005 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

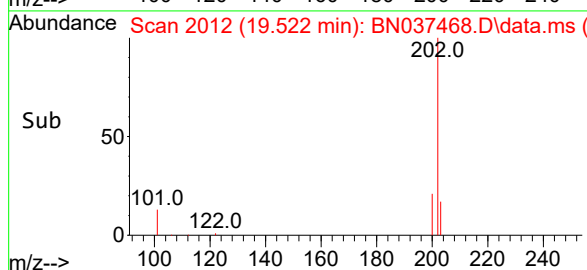
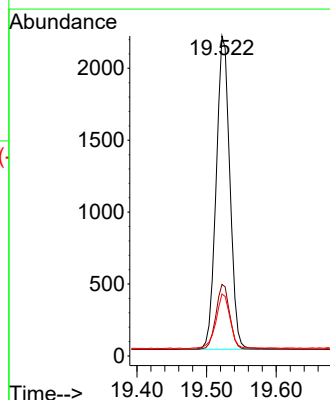
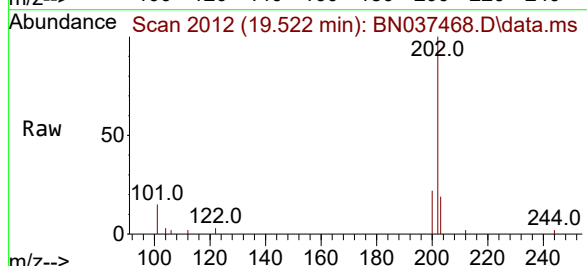
Tgt Ion:202 Resp: 2977

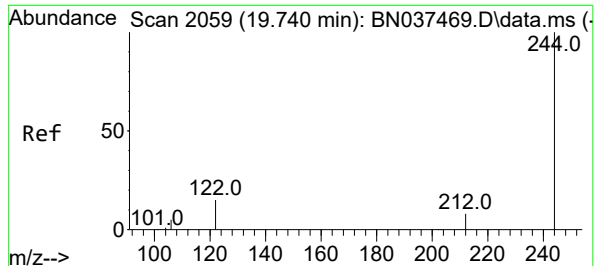
Ion Ratio Lower Upper

202 100

200 20.8 16.4 24.6

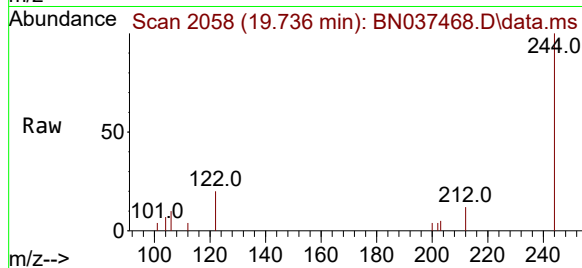
203 18.0 14.3 21.5



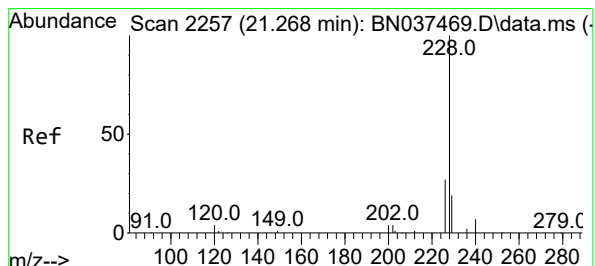
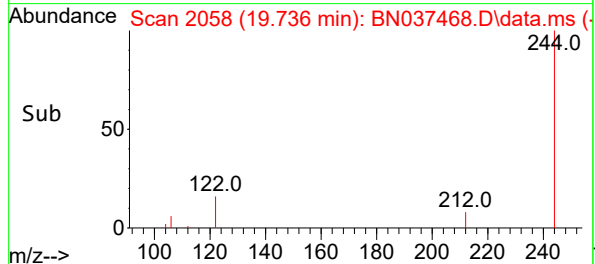
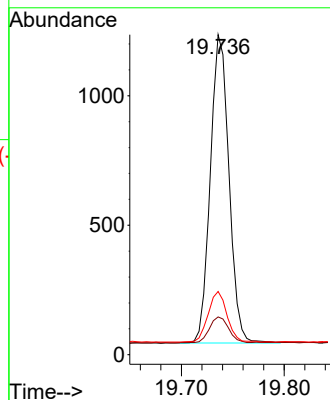


#31
Terphenyl-d14
Concen: 0.197 ng
RT: 19.736 min Scan# 2058
Delta R.T. -0.005 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

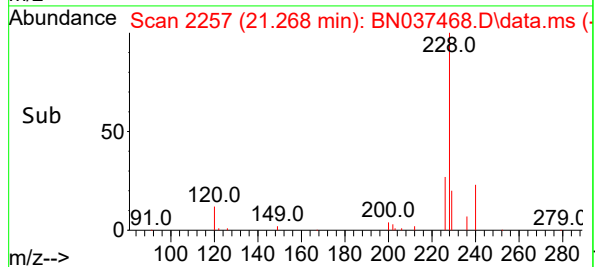
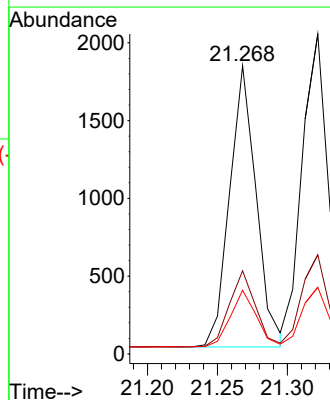
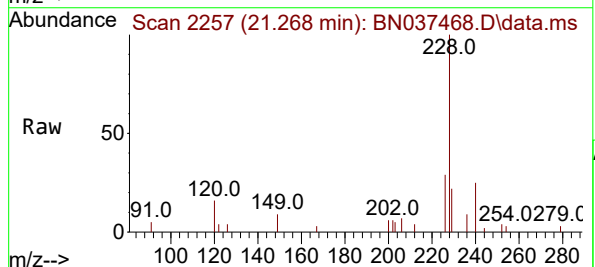


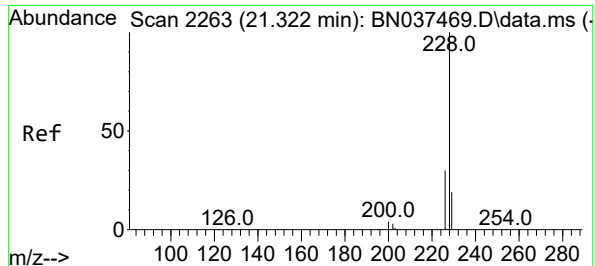
Tgt Ion:244 Resp: 1501
Ion Ratio Lower Upper
244 100
212 11.8 8.7 13.1
122 19.7 14.1 21.1



#32
Benzo(a)anthracene
Concen: 0.193 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN037468.D
Acq: 11 Jul 2025 11:46

Tgt Ion:228 Resp: 2392
Ion Ratio Lower Upper
228 100
226 28.9 22.7 34.1
229 22.1 16.6 24.8





#33

Chrysene

Concen: 0.201 ng

RT: 21.322 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

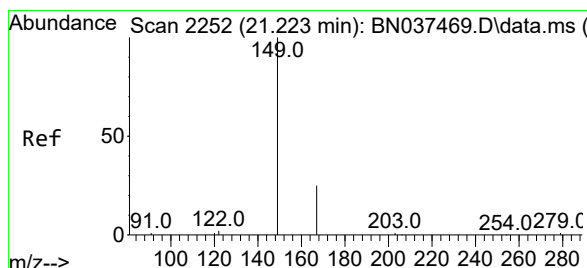
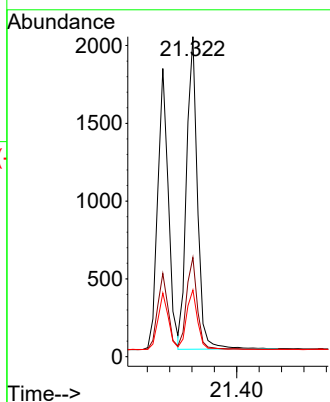
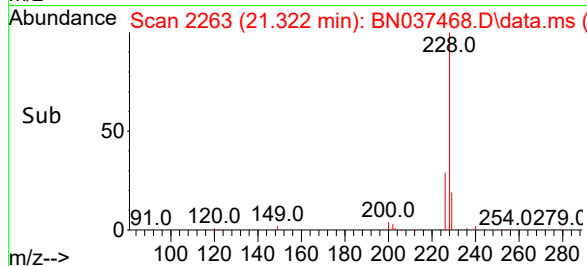
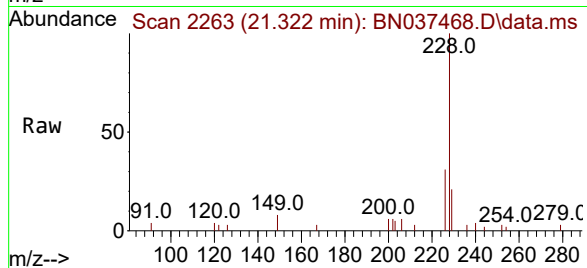
Tgt Ion:228 Resp: 2716

Ion Ratio Lower Upper

228 100

226 31.0 24.6 36.8

229 20.9 16.4 24.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.196 ng

RT: 21.223 min Scan# 2252

Delta R.T. -0.000 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

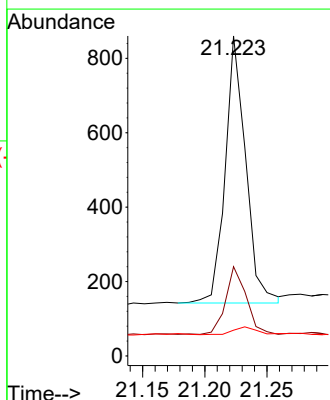
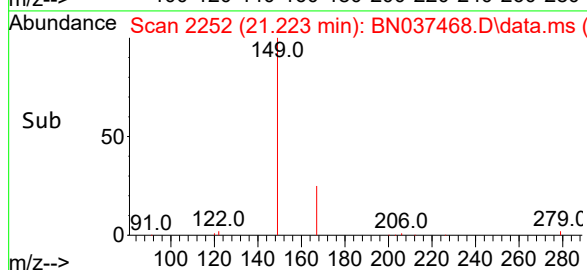
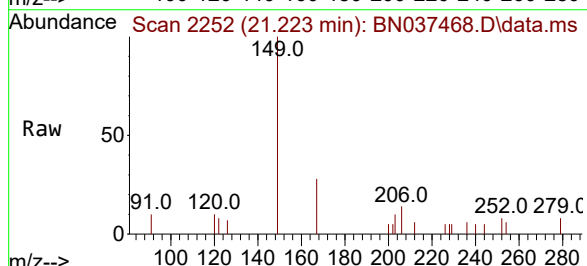
Tgt Ion:149 Resp: 823

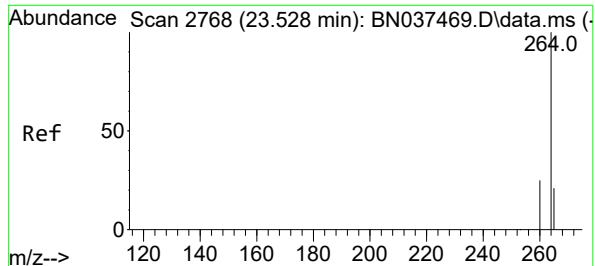
Ion Ratio Lower Upper

149 100

167 25.4 19.4 29.2

279 3.4 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.525 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037468.D

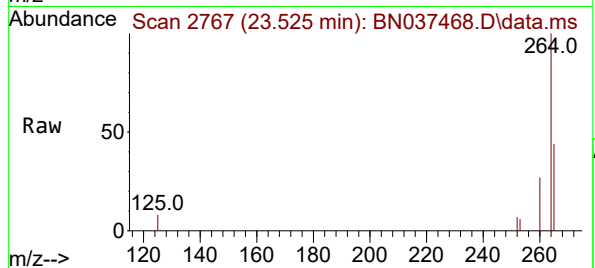
Acq: 11 Jul 2025 11:46

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



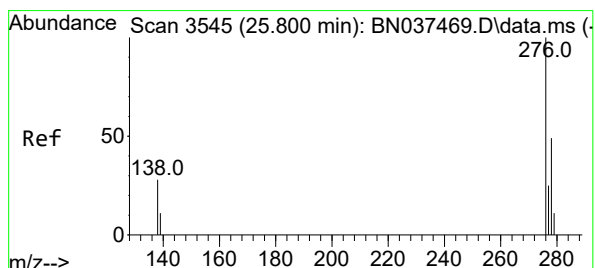
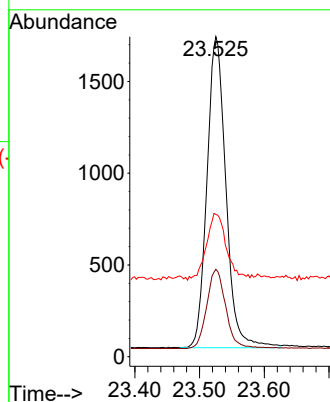
Tgt Ion:264 Resp: 3449

Ion Ratio Lower Upper

264 100

260 27.3 21.7 32.5

265 44.4 41.6 62.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.170 ng

RT: 25.797 min Scan# 3544

Delta R.T. -0.003 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

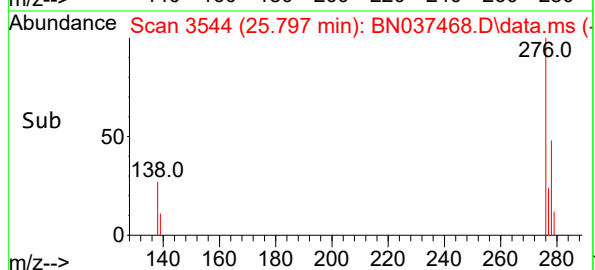
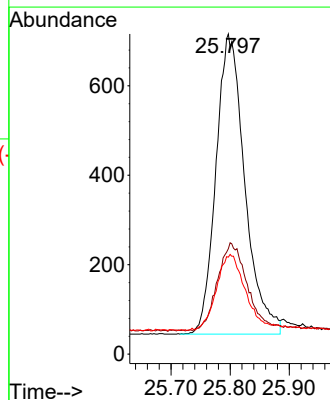
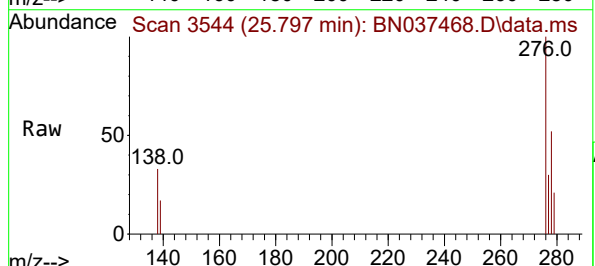
Tgt Ion:276 Resp: 2270

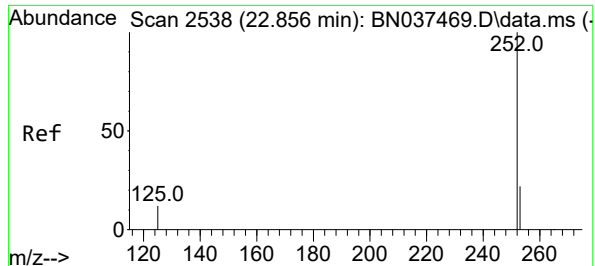
Ion Ratio Lower Upper

276 100

138 30.2 23.4 35.2

277 25.5 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 0.183 ng

RT: 22.853 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

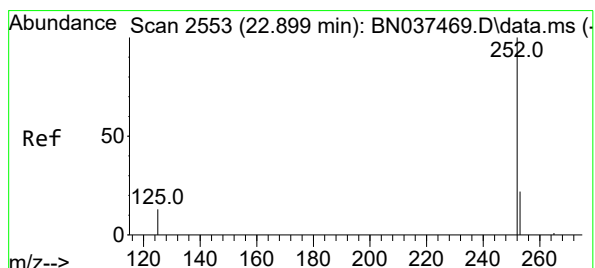
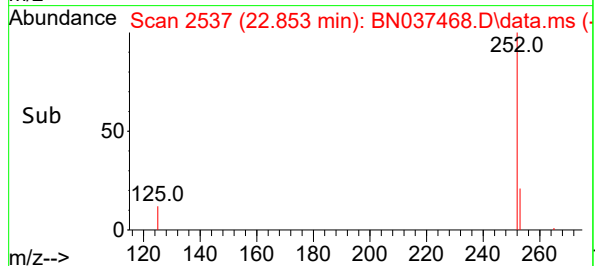
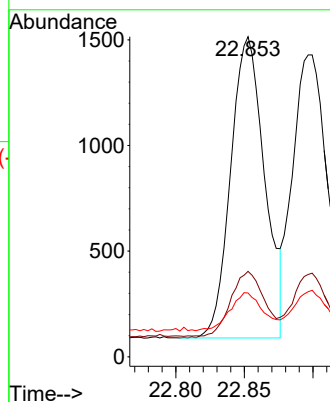
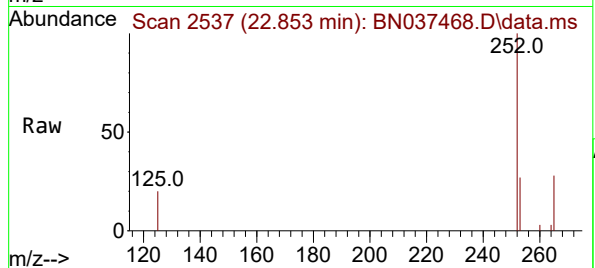
Tgt Ion:252 Resp: 2454

Ion Ratio Lower Upper

252 100

253 26.7 20.1 30.1

125 19.9 13.7 20.5



#38

Benzo(k)fluoranthene

Concen: 0.174 ng

RT: 22.897 min Scan# 2552

Delta R.T. -0.003 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

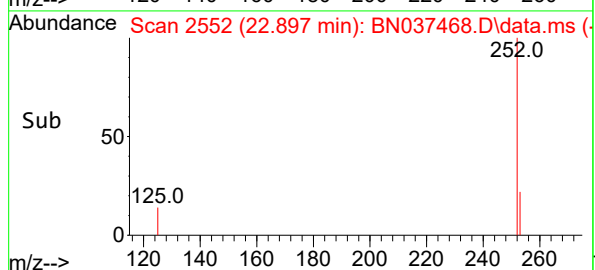
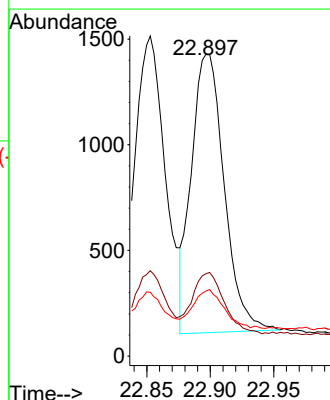
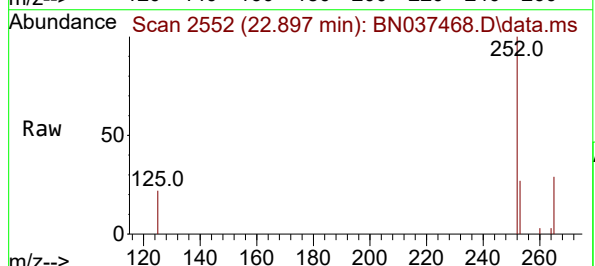
Tgt Ion:252 Resp: 2369

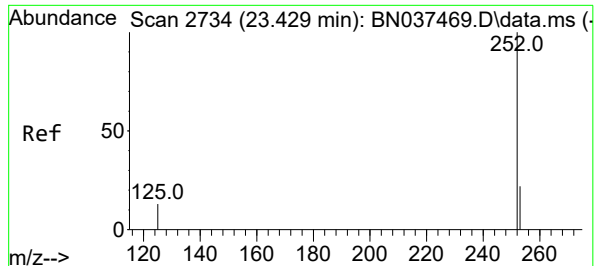
Ion Ratio Lower Upper

252 100

253 27.3 20.4 30.6

125 21.6 14.6 21.8





#39

Benzo(a)pyrene

Concen: 0.177 ng

RT: 23.426 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

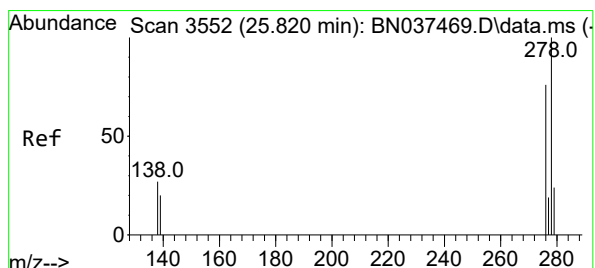
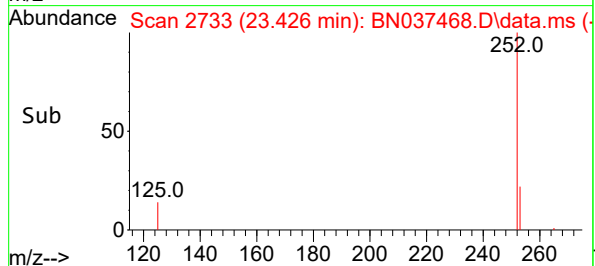
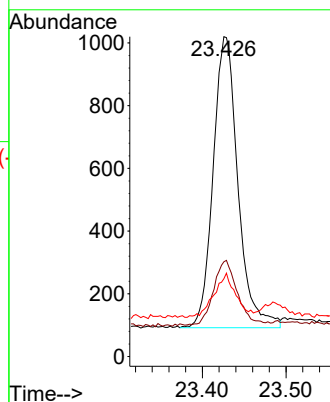
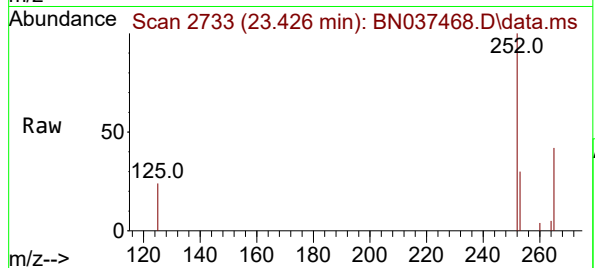
Tgt Ion:252 Resp: 1913

Ion Ratio Lower Upper

252 100

253 29.6 21.8 32.6

125 24.3 16.7 25.1



#40

Dibenzo(a,h)anthracene

Concen: 0.166 ng

RT: 25.817 min Scan# 3551

Delta R.T. -0.003 min

Lab File: BN037468.D

Acq: 11 Jul 2025 11:46

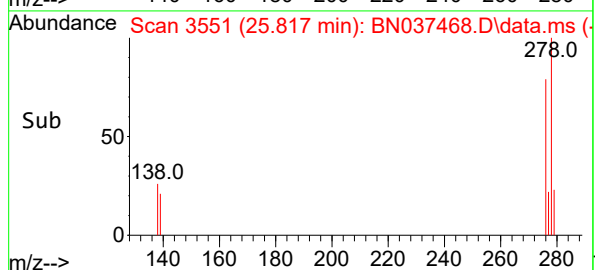
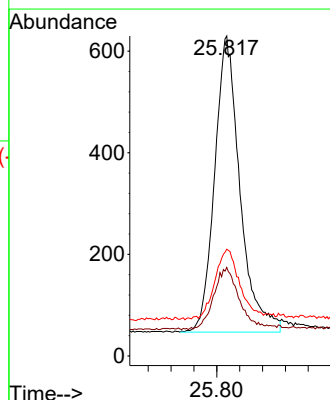
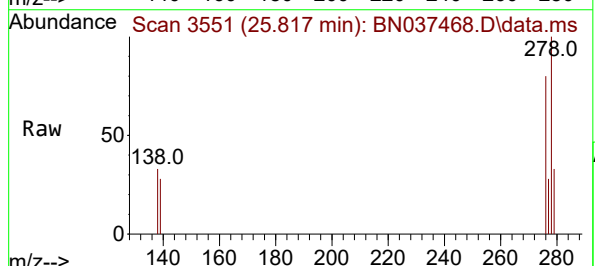
Tgt Ion:278 Resp: 1791

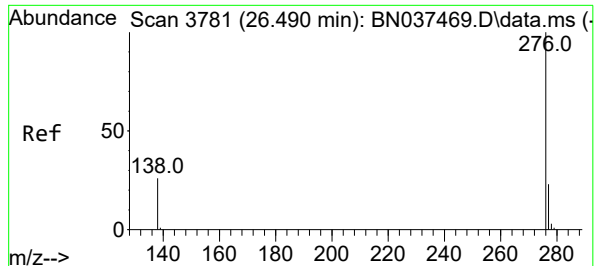
Ion Ratio Lower Upper

278 100

139 27.6 19.9 29.9

279 33.3 24.8 37.2





#41

Benzo(g,h,i)perylene

Concen: 0.180 ng

RT: 26.487 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN037468.D

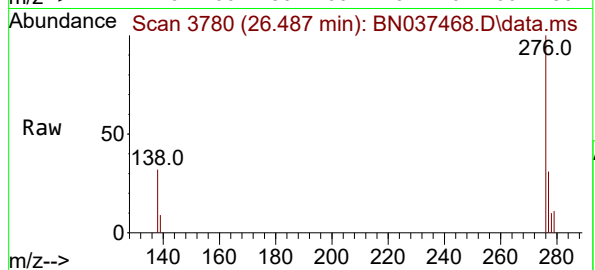
Acq: 11 Jul 2025 11:46

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



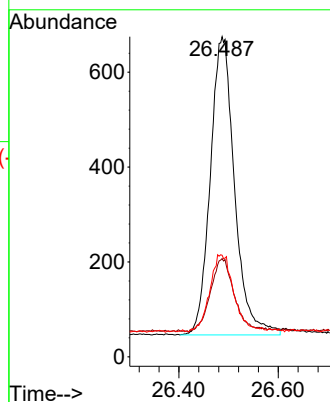
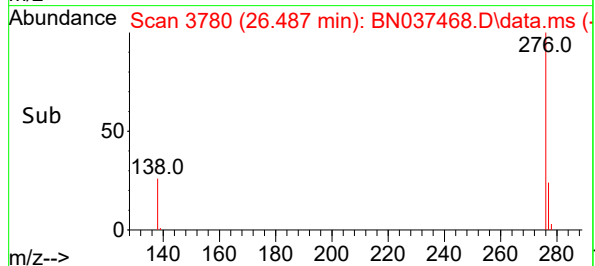
Tgt Ion:276 Resp: 2131

Ion Ratio Lower Upper

276 100

277 30.7 21.7 32.5

138 31.7 24.3 36.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
 Data File : BN037469.D
 Acq On : 11 Jul 2025 12:22
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Jul 11 15:26:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:17:19 2025
 Response via : Initial Calibration

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

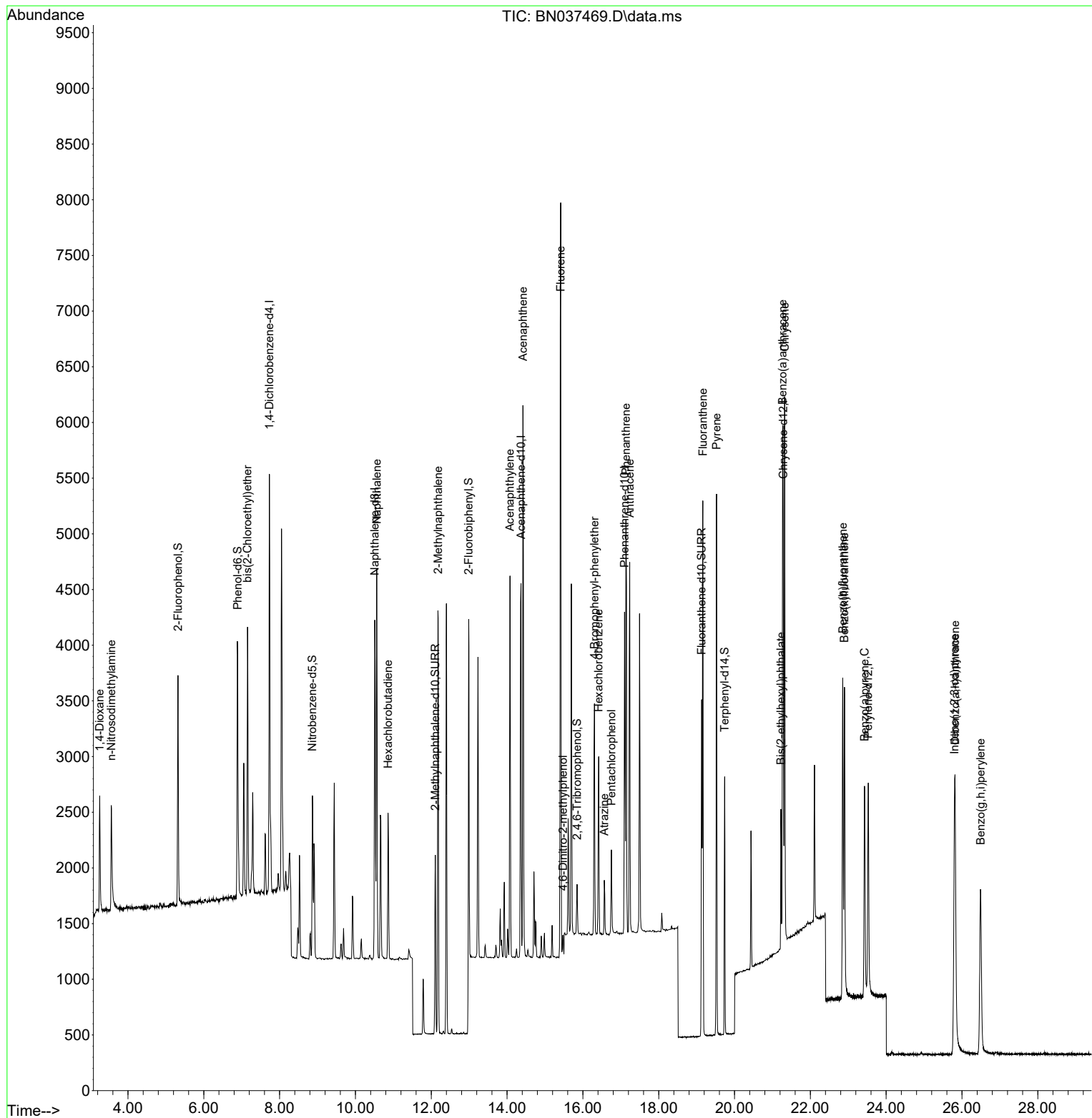
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	1754	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	4116	0.400	ng	0.00
13) Acenaphthene-d10	14.366	164	1977	0.400	ng	0.00
19) Phenanthrene-d10	17.099	188	3577	0.400	ng	0.00
29) Chrysene-d12	21.286	240	2684	0.400	ng	0.00
35) Perylene-d12	23.528	264	2478	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	1633	0.400	ng	0.00
5) Phenol-d6	6.894	99	2058	0.401	ng	0.00
8) Nitrobenzene-d5	8.865	82	1134	0.380	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	2104	0.376	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	241	0.359	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	4556	0.404	ng	0.00
27) Fluoranthene-d10	19.132	212	3252	0.360	ng	0.00
31) Terphenyl-d14	19.740	244	2203	0.393	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	675	0.410	ng	100
3) n-Nitrosodimethylamine	3.557	42	876	0.398	ng	100
6) bis(2-Chloroethyl)ether	7.154	93	1702	0.396	ng	100
9) Naphthalene	10.562	128	4329	0.391	ng	100
10) Hexachlorobutadiene	10.861	225	1057	0.398	ng	# 100
12) 2-Methylnaphthalene	12.182	142	2659	0.384	ng	100
16) Acenaphthylene	14.078	152	3482	0.386	ng	100
17) Acenaphthene	14.420	154	2341	0.387	ng	100
18) Fluorene	15.414	166	2929	0.385	ng	100
20) 4,6-Dinitro-2-methylph...	15.478	198	139	0.346	ng	100
21) 4-Bromophenyl-phenylether	16.305	248	844	0.378	ng	100
22) Hexachlorobenzene	16.416	284	1215	0.395	ng	100
23) Atrazine	16.565	200	411	0.370	ng	100
24) Pentachlorophenol	16.751	266	360	0.340	ng	100
25) Phenanthrene	17.136	178	4140	0.380	ng	100
26) Anthracene	17.235	178	3627	0.369	ng	100
28) Fluoranthene	19.164	202	4365	0.365	ng	100
30) Pyrene	19.527	202	4278	0.396	ng	100
32) Benzo(a)anthracene	21.268	228	3467	0.381	ng	100
33) Chrysene	21.322	228	3930	0.396	ng	100
34) Bis(2-ethylhexyl)phtha...	21.223	149	1211	0.392	ng	100
36) Indeno(1,2,3-cd)pyrene	25.800	276	3450	0.359	ng	100
37) Benzo(b)fluoranthene	22.856	252	3496	0.363	ng	100
38) Benzo(k)fluoranthene	22.899	252	3550	0.363	ng	100
39) Benzo(a)pyrene	23.429	252	2854	0.368	ng	100
40) Dibenzo(a,h)anthracene	25.820	278	2738	0.353	ng	100
41) Benzo(g,h,i)perylene	26.490	276	3138	0.369	ng	100

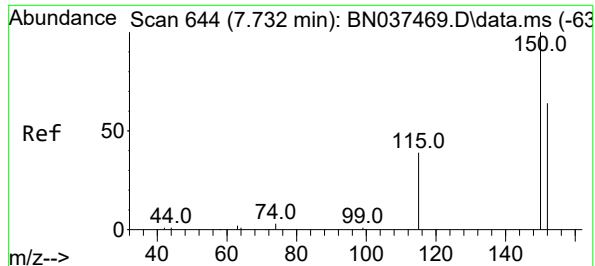
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
Data File : BN037469.D
Acq On : 11 Jul 2025 12:22
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Jul 11 15:26:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:17:19 2025
Response via : Initial Calibration

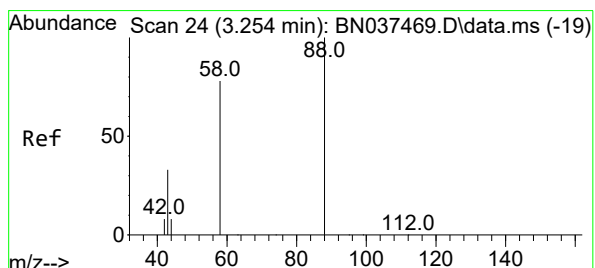
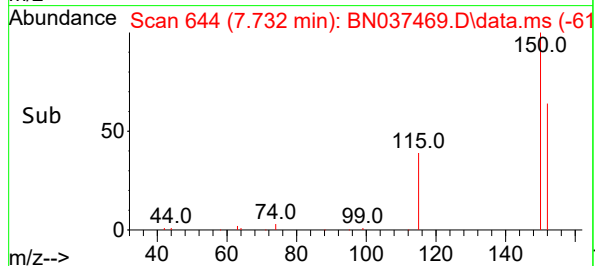
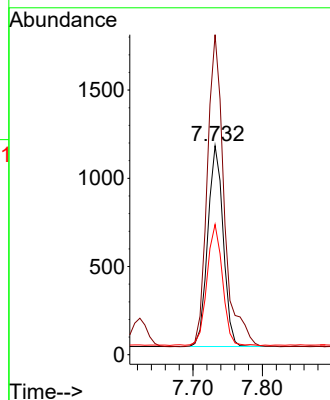
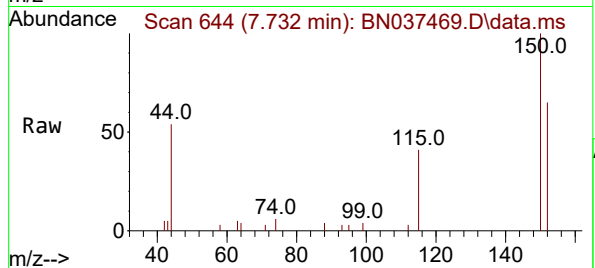




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.732 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

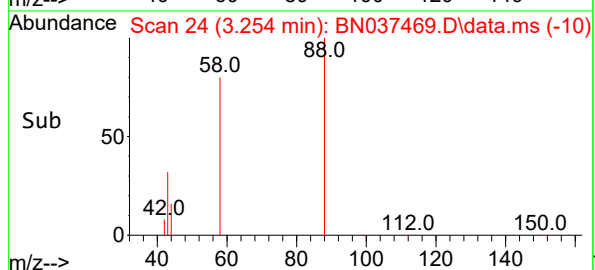
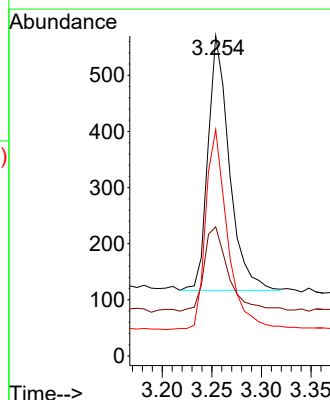
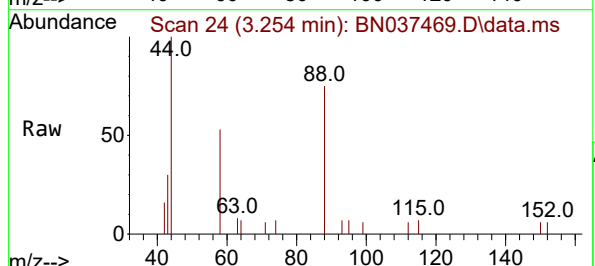
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

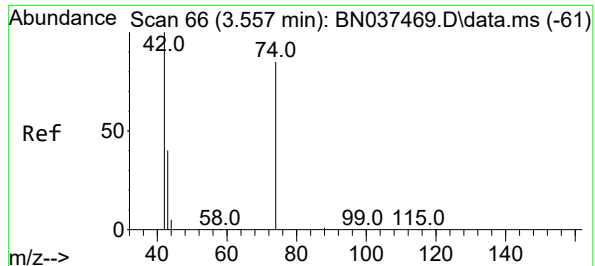
Tgt Ion:152 Resp: 1754
Ion Ratio Lower Upper
152 100
150 153.1 122.5 183.7
115 62.4 49.9 74.9



#2
1,4-Dioxane
Concen: 0.410 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

Tgt Ion: 88 Resp: 675
Ion Ratio Lower Upper
88 100
43 38.4 30.7 46.1
58 81.2 65.0 97.4

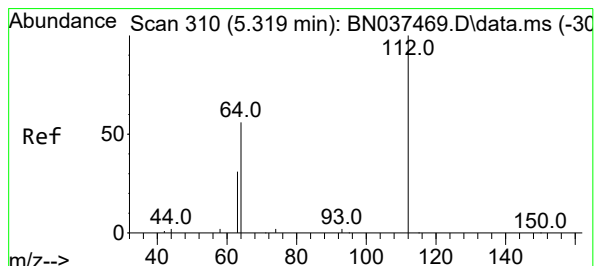
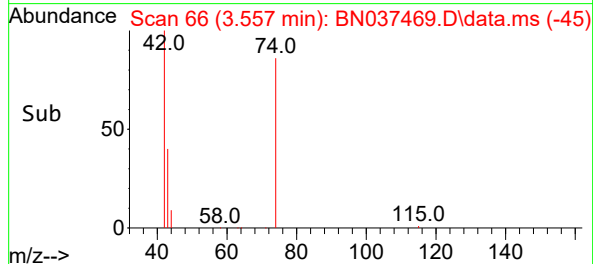
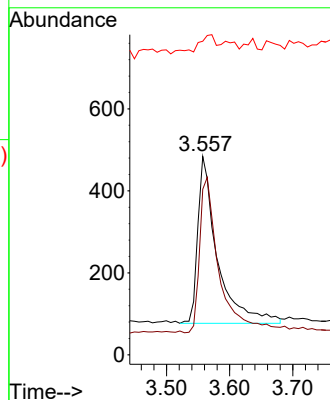
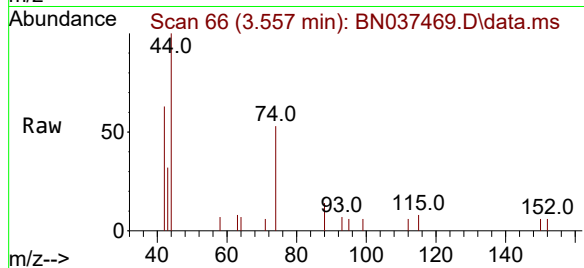




#3
n-Nitrosodimethylamine
Concen: 0.398 ng
RT: 3.557 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

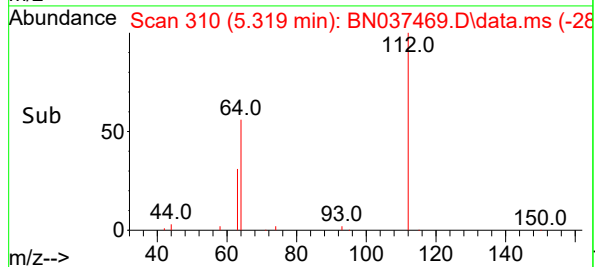
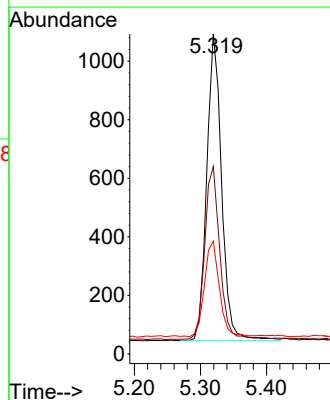
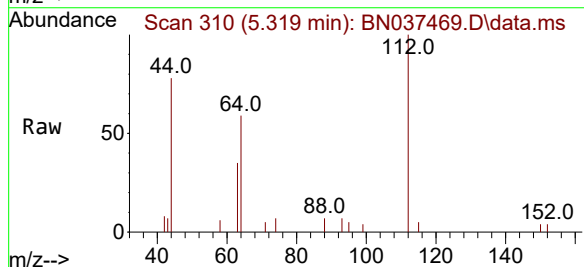
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

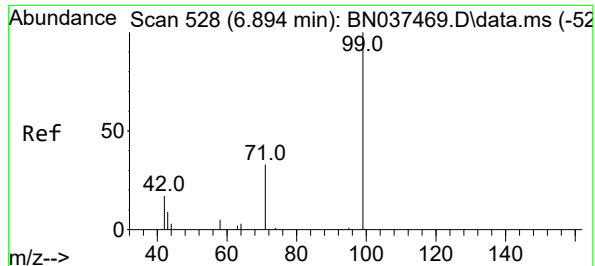
Tgt Ion: 42 Resp: 876
Ion Ratio Lower Upper
42 100
74 93.6 74.9 112.3
44 9.0 7.2 10.8



#4
2-Fluorophenol
Concen: 0.400 ng
RT: 5.319 min Scan# 310
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

Tgt Ion: 112 Resp: 1633
Ion Ratio Lower Upper
112 100
64 56.7 45.4 68.0
63 30.9 24.7 37.1

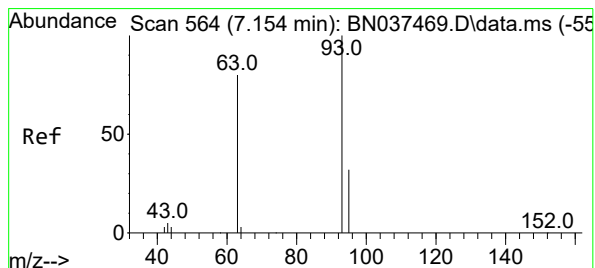
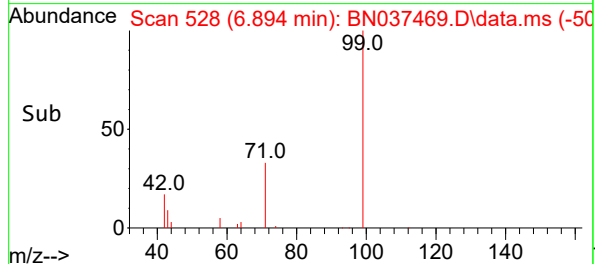
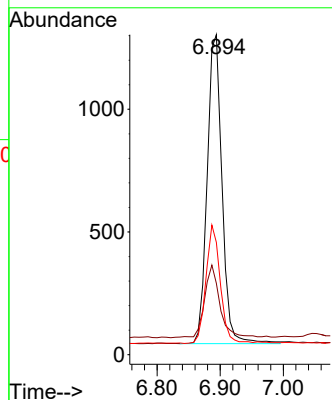
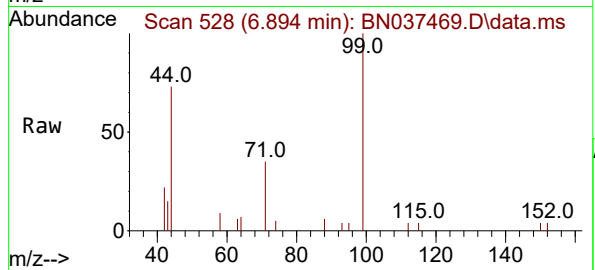




#5
Phenol-d6
Concen: 0.401 ng
RT: 6.894 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

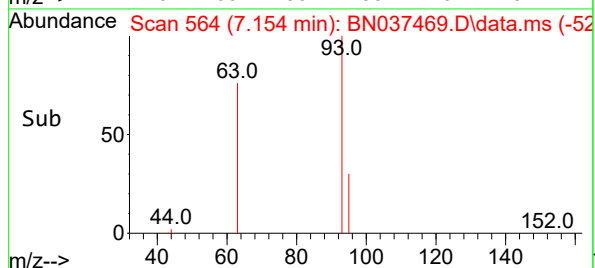
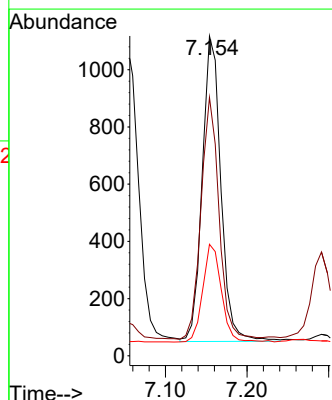
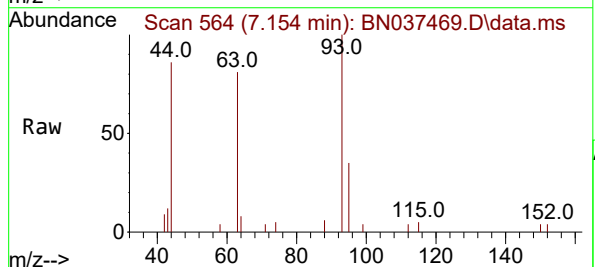
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

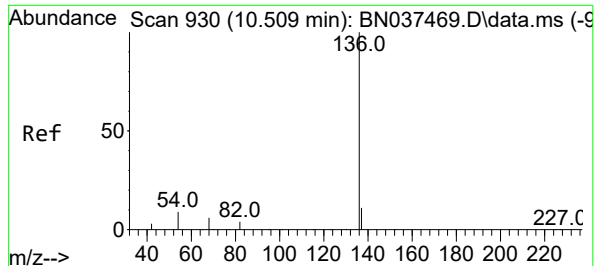
Tgt Ion	Ratio	Lower	Upper
99	100		
42	24.4	19.5	29.3
71	36.8	29.4	44.2



#6
bis(2-Chloroethyl)ether
Concen: 0.396 ng
RT: 7.154 min Scan# 564
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

Tgt Ion	Ratio	Lower	Upper
93	100		
63	76.0	60.8	91.2
95	32.0	25.6	38.4

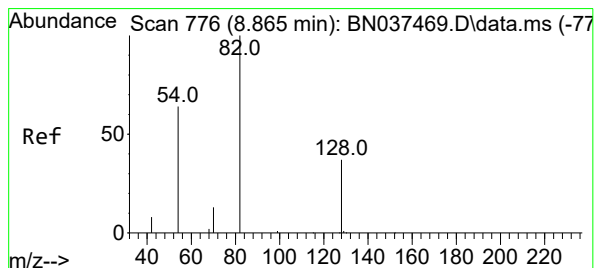
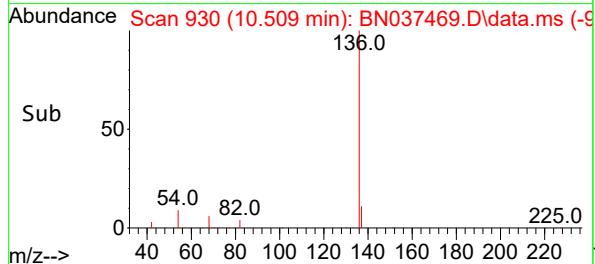
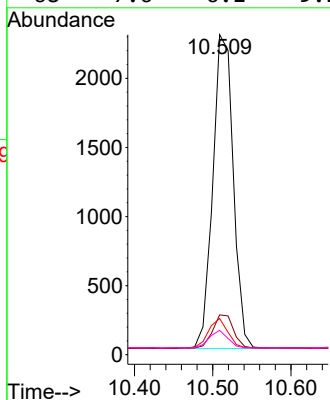
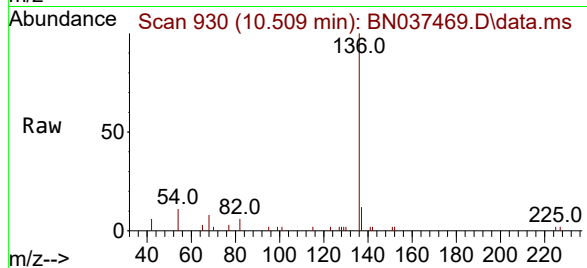




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 911
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

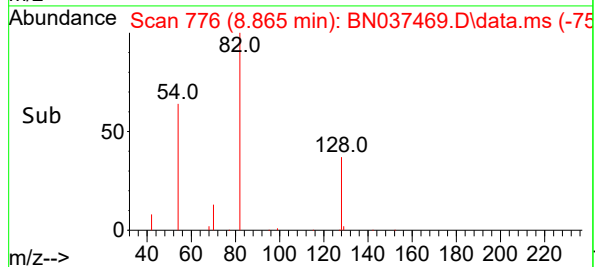
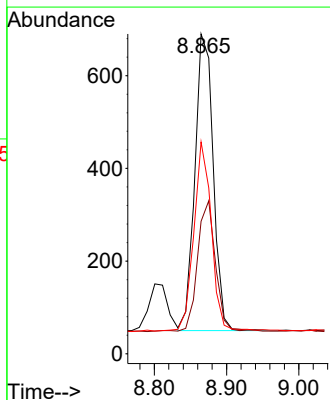
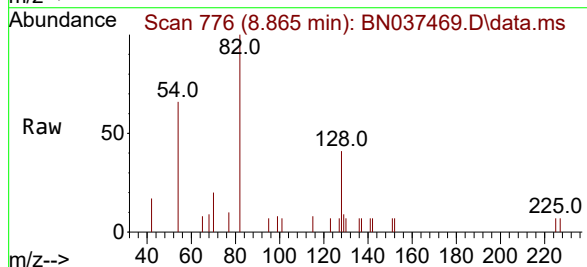
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

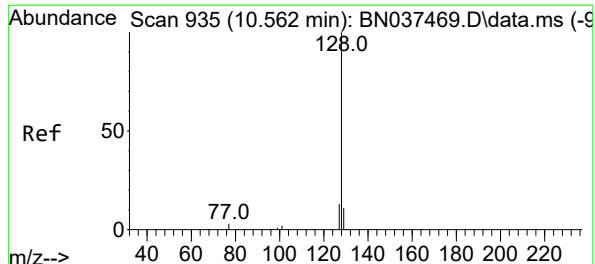
Tgt Ion:	136	Resp:	4116
Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.0	15.0
54	11.3	9.0	13.6
68	7.6	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.380 ng
RT: 8.865 min Scan# 776
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

Tgt Ion:	82	Resp:	1134
Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.1	49.7
54	66.2	53.0	79.4

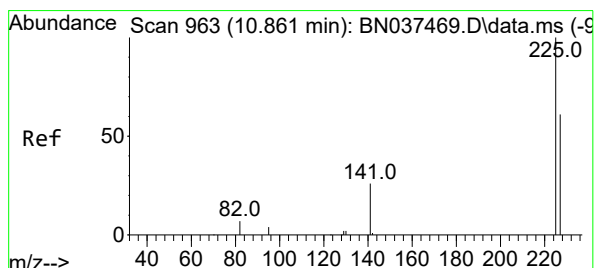
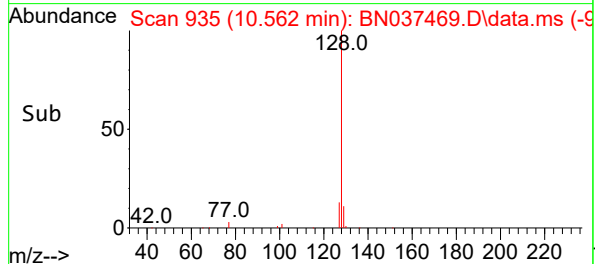
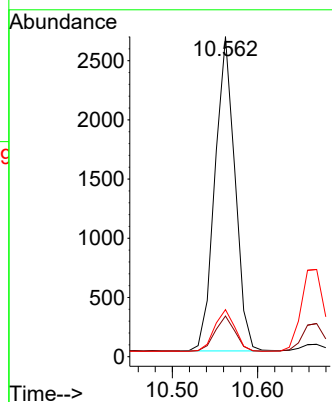
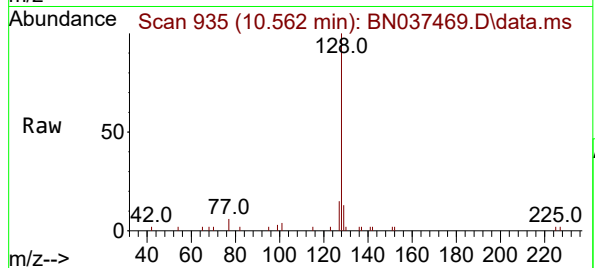




#9
Naphthalene
Concen: 0.391 ng
RT: 10.562 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

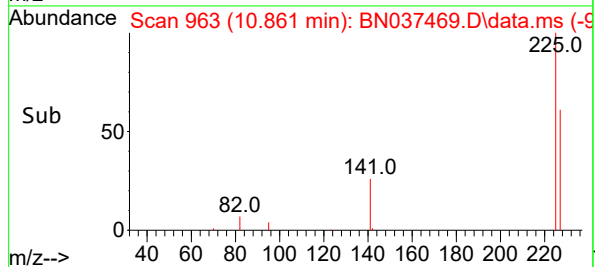
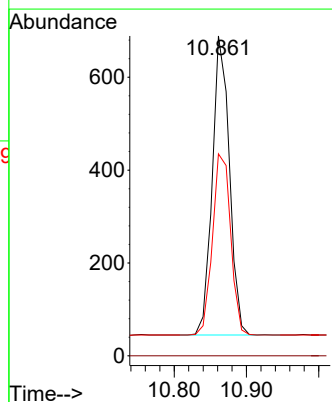
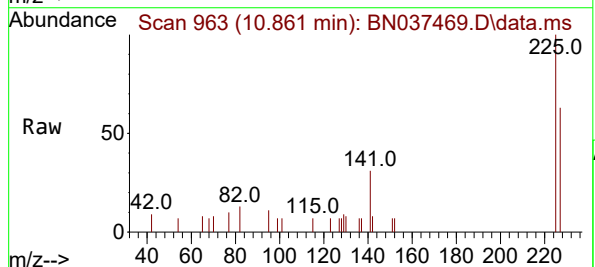
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

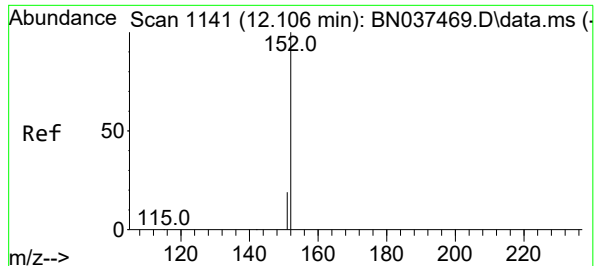
Tgt Ion	128	129	127
Resp:	4329		
Ion Ratio	100	12.7	14.7
Lower		10.2	11.8
Upper		15.2	17.6



#10
Hexachlorobutadiene
Concen: 0.398 ng
RT: 10.861 min Scan# 963
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

Tgt Ion	225	223	227
Resp:	1057		
Ion Ratio	100	0.0	64.3
Lower		0.0	51.4
Upper		0.0	77.2

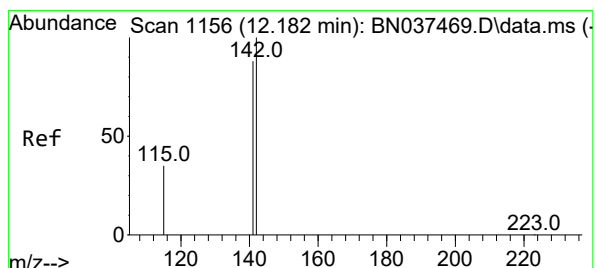
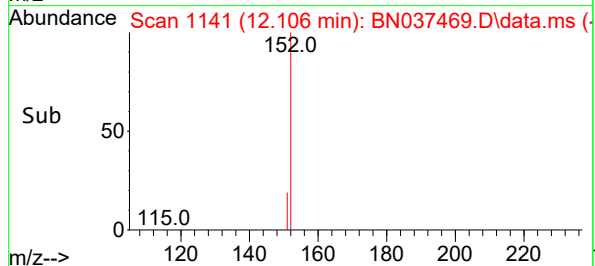
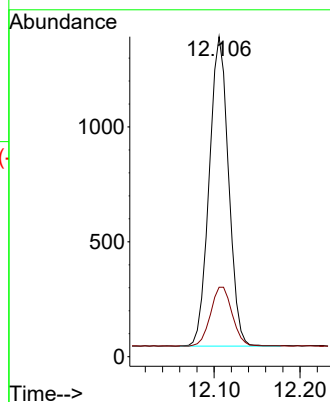
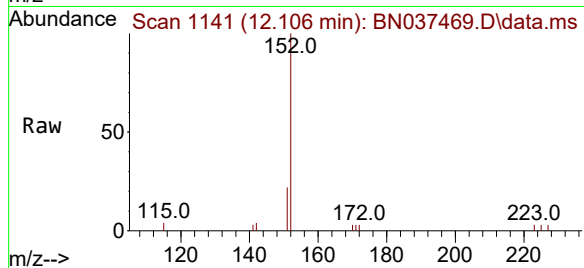




#11
2-Methylnaphthalene-d10
Concen: 0.376 ng
RT: 12.106 min Scan# 1141
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

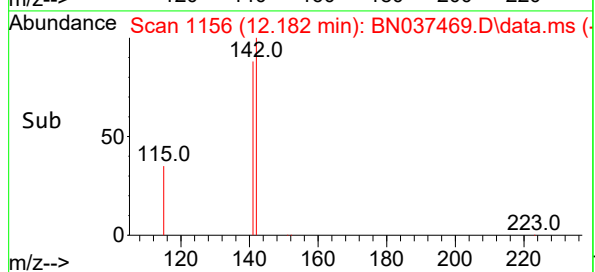
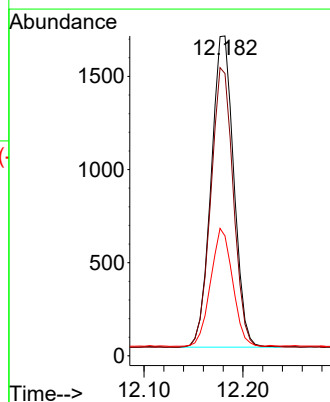
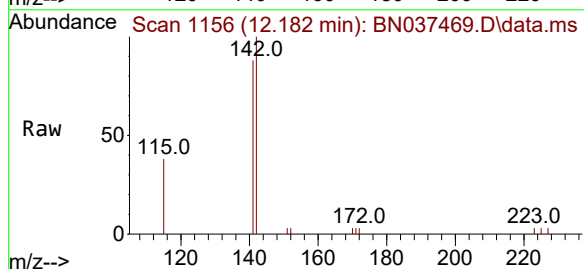
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

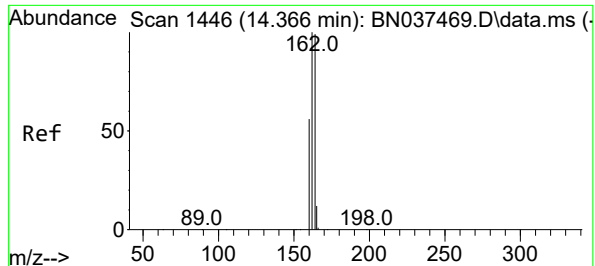
Tgt Ion:152 Resp: 2104
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.384 ng
RT: 12.182 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

Tgt Ion:142 Resp: 2659
Ion Ratio Lower Upper
142 100
141 88.2 70.6 105.8
115 37.5 30.0 45.0

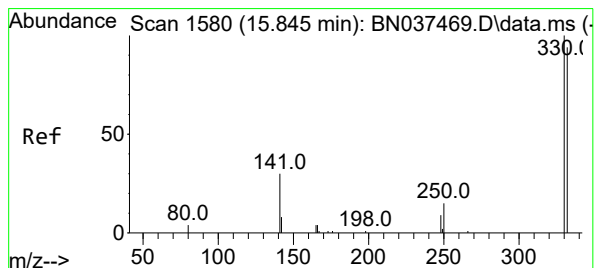
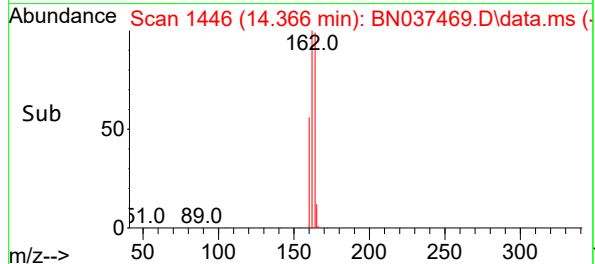
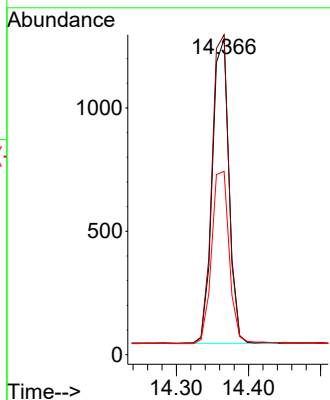
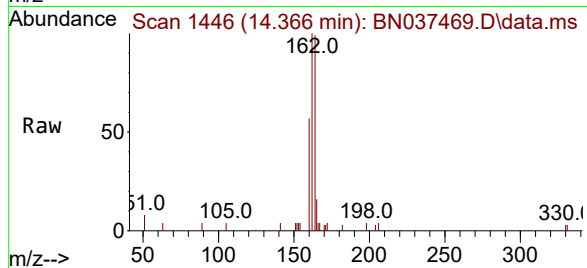




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

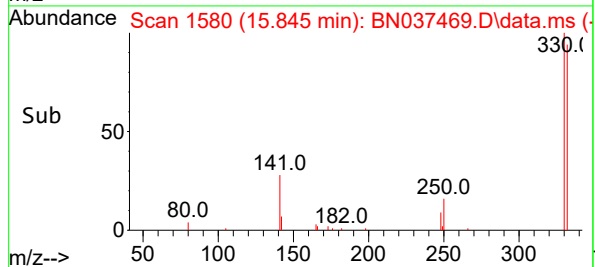
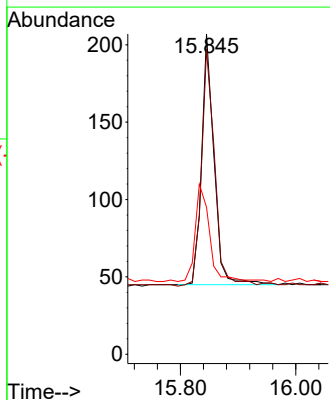
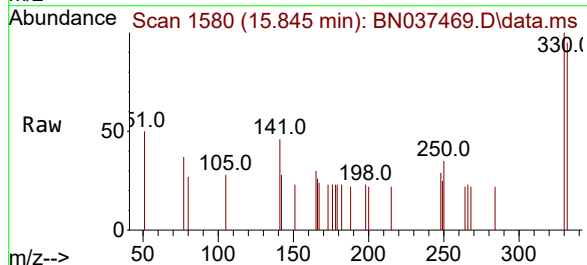
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

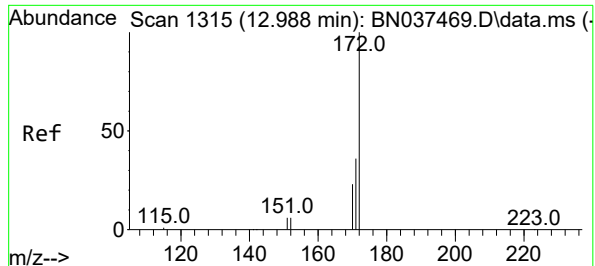
Tgt Ion:164 Resp: 1977
Ion Ratio Lower Upper
164 100
162 101.4 81.1 121.7
160 58.1 46.5 69.7



#14
2,4,6-Tribromophenol
Concen: 0.359 ng
RT: 15.845 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

Tgt Ion:330 Resp: 241
Ion Ratio Lower Upper
330 100
332 102.5 82.0 123.0
141 45.2 36.2 54.2





#15

2-Fluorobiphenyl

Concen: 0.404 ng

RT: 12.988 min Scan# 1315

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

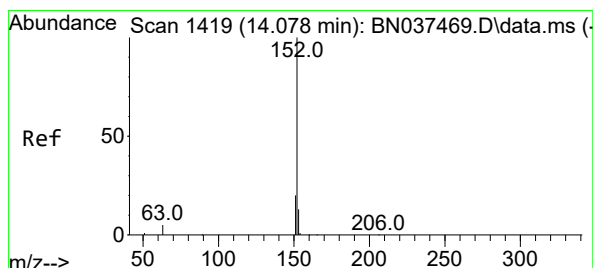
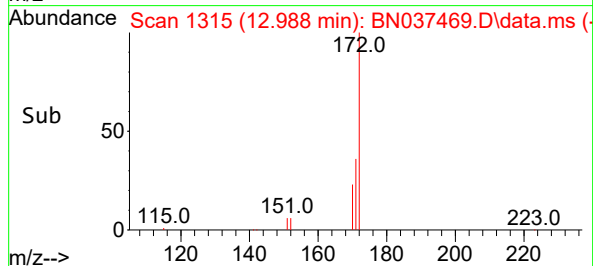
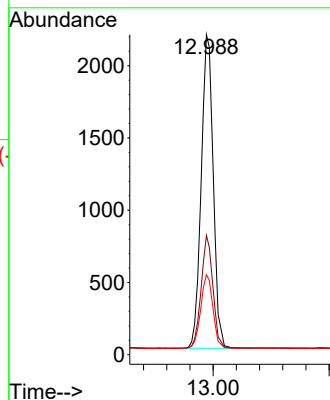
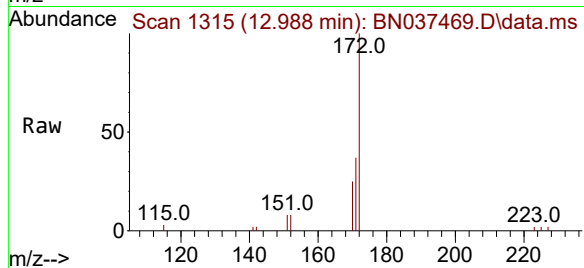
Tgt Ion:172 Resp: 4556

Ion Ratio Lower Upper

172 100

171 37.3 29.8 44.8

170 25.0 20.0 30.0



#16

Acenaphthylene

Concen: 0.386 ng

RT: 14.078 min Scan# 1419

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

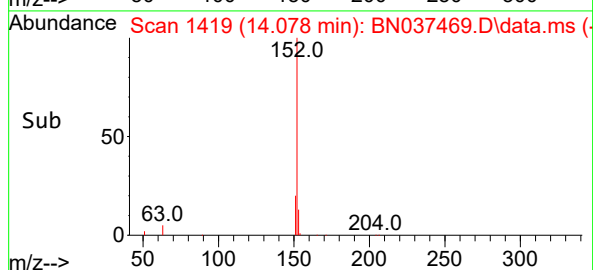
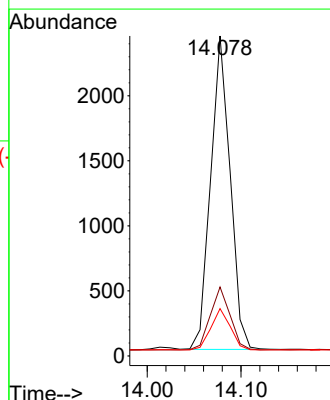
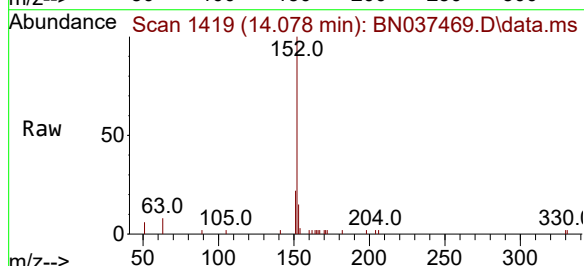
Tgt Ion:152 Resp: 3482

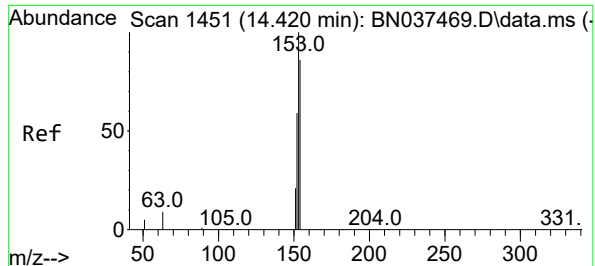
Ion Ratio Lower Upper

152 100

151 20.5 16.4 24.6

153 13.2 10.6 15.8

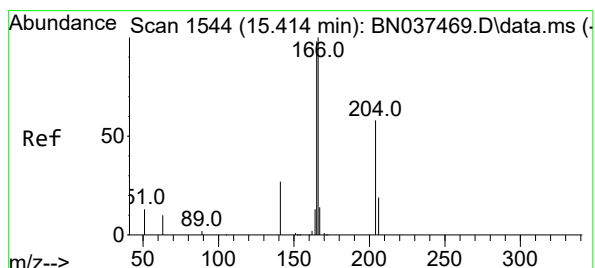
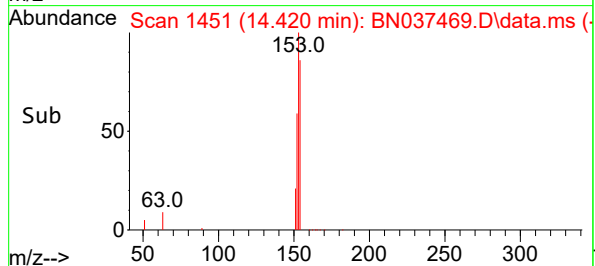
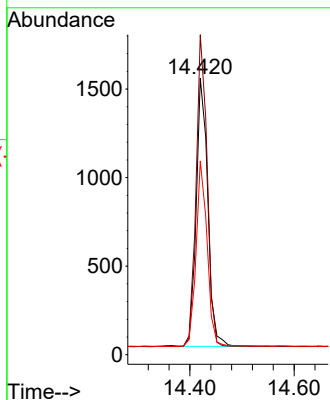
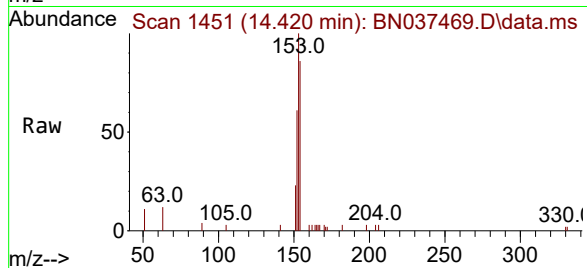




#17
Acenaphthene
Concen: 0.387 ng
RT: 14.420 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

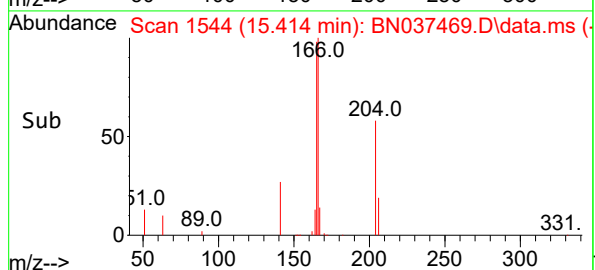
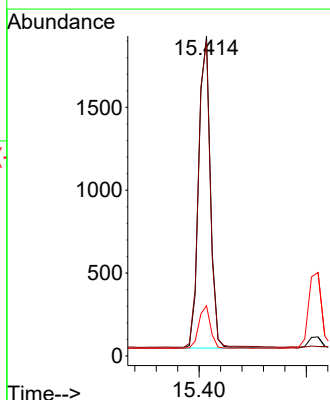
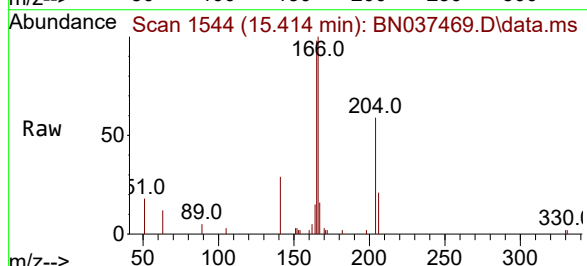
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

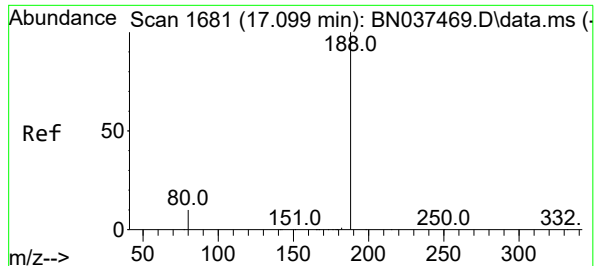
Tgt Ion:154 Resp: 2341
Ion Ratio Lower Upper
154 100
153 111.7 89.4 134.0
152 66.5 53.2 79.8



#18
Fluorene
Concen: 0.385 ng
RT: 15.414 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

Tgt Ion:166 Resp: 2929
Ion Ratio Lower Upper
166 100
165 99.3 79.4 119.2
167 13.2 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

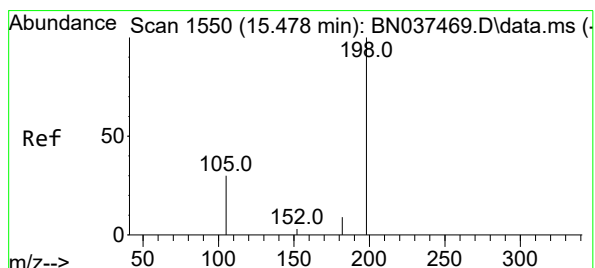
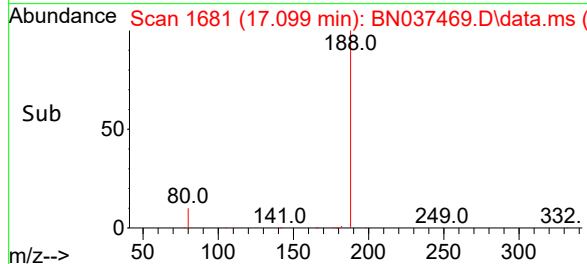
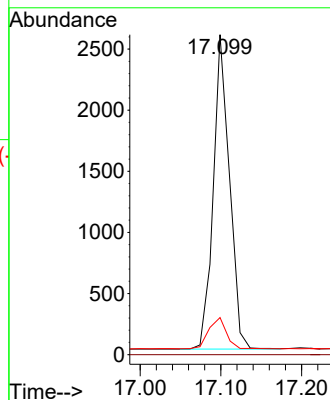
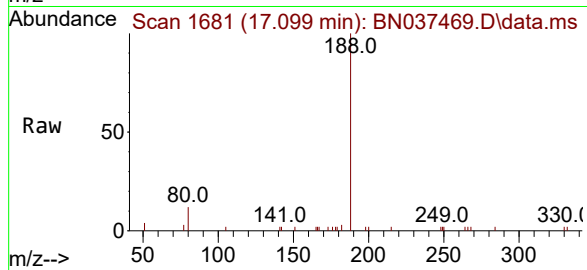
Tgt Ion:188 Resp: 3577

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.6 9.3 13.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.346 ng

RT: 15.478 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

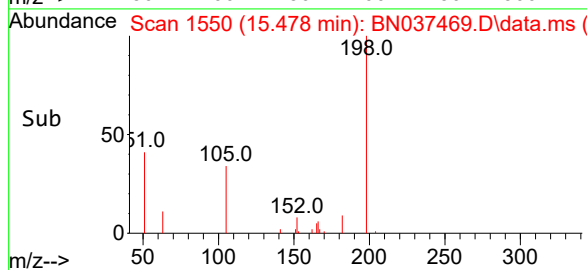
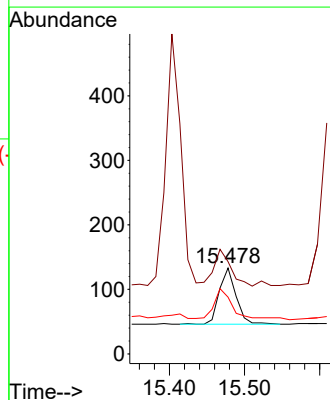
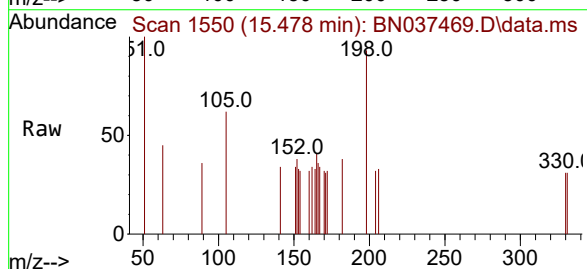
Tgt Ion:198 Resp: 139

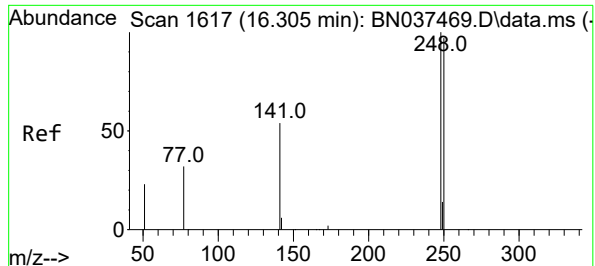
Ion Ratio Lower Upper

198 100

51 107.5 86.0 129.0

105 66.2 53.0 79.4

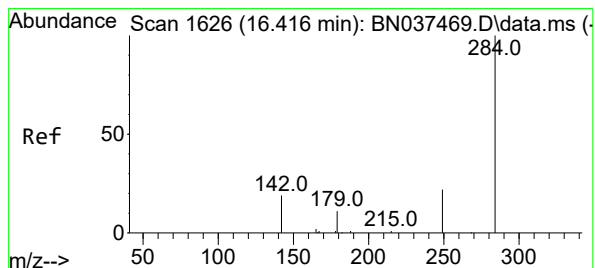
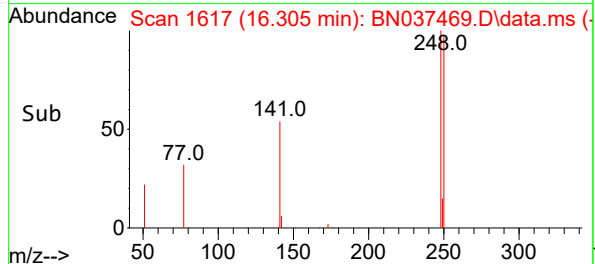
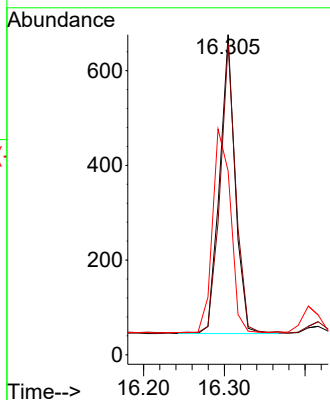
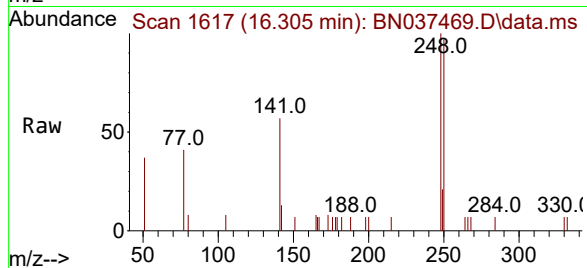




#21
4-Bromophenyl-phenylether
Concen: 0.378 ng
RT: 16.305 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

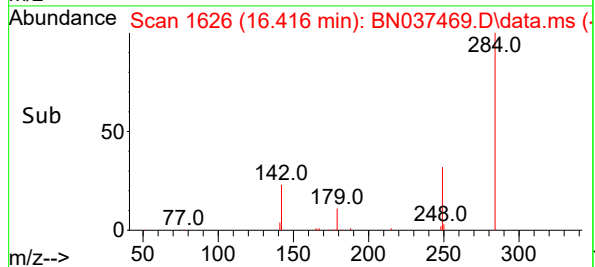
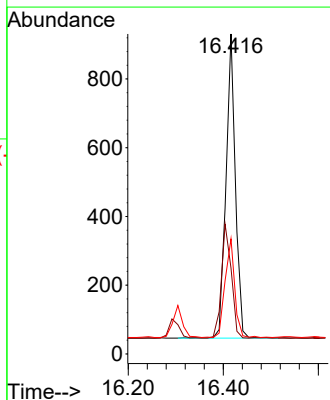
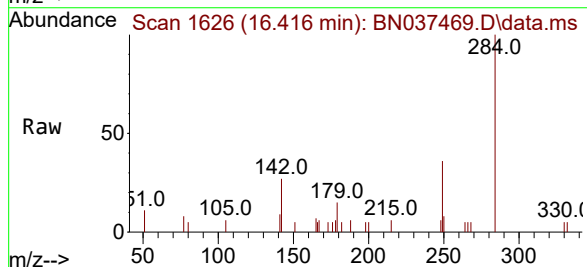
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

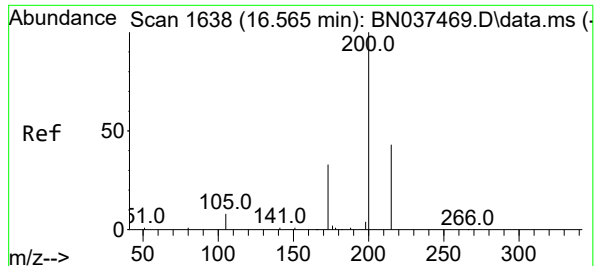
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.8	116.6
141	57.4	45.9	68.9



#22
Hexachlorobenzene
Concen: 0.395 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.1	31.3	46.9
249	33.3	26.6	40.0





#23

Atrazine

Concen: 0.370 ng

RT: 16.565 min Scan# 1638

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

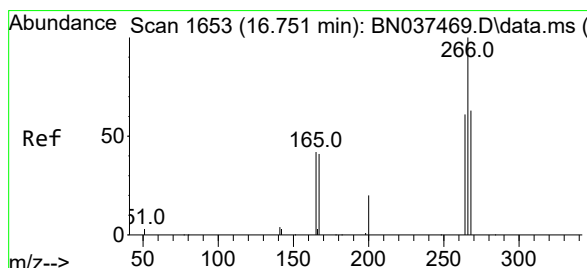
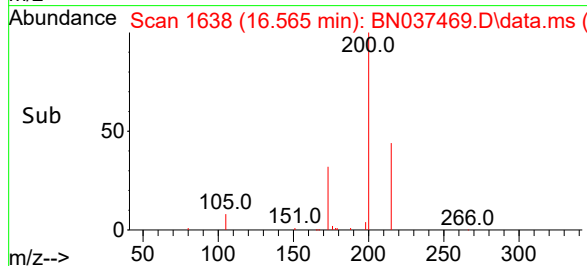
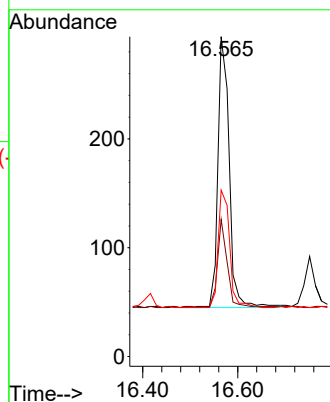
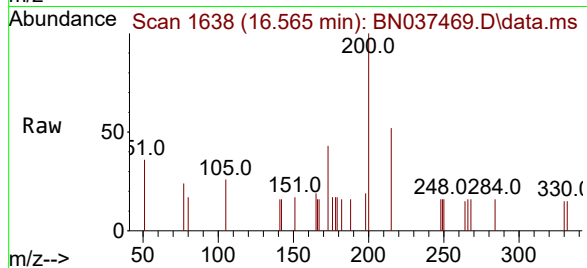
Tgt Ion:200 Resp: 411

Ion Ratio Lower Upper

200 100

173 42.9 34.3 51.5

215 52.0 41.6 62.4



#24

Pentachlorophenol

Concen: 0.340 ng

RT: 16.751 min Scan# 1653

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

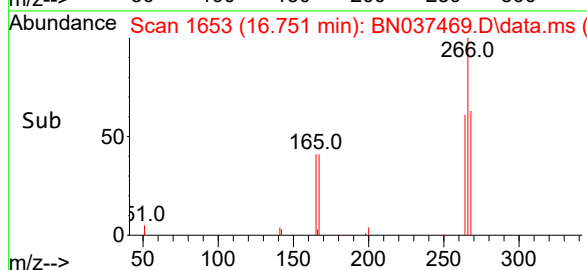
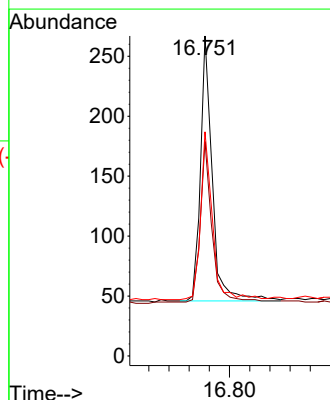
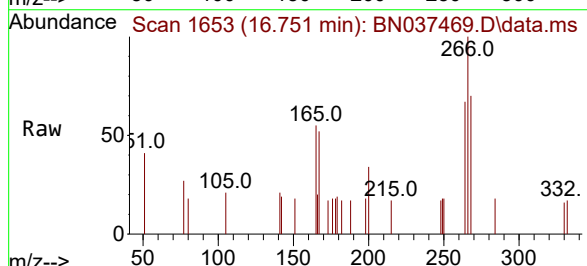
Tgt Ion:266 Resp: 360

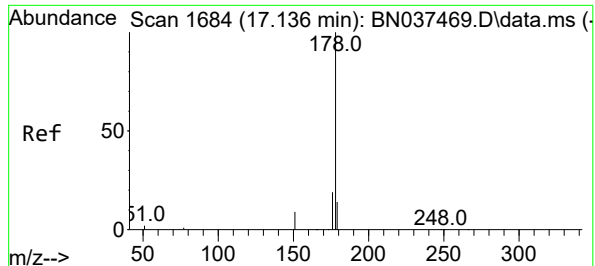
Ion Ratio Lower Upper

266 100

264 59.4 47.5 71.3

268 63.3 50.6 76.0

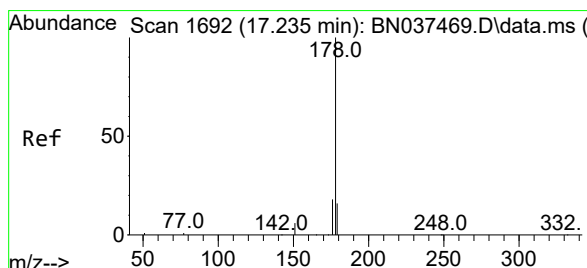
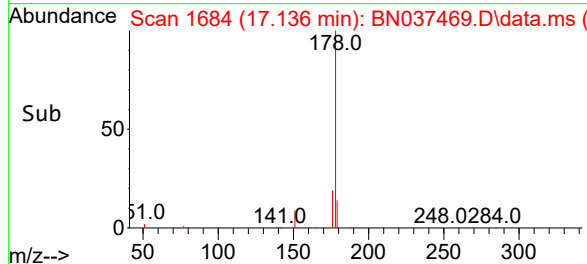
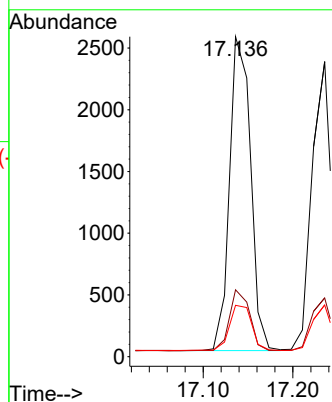
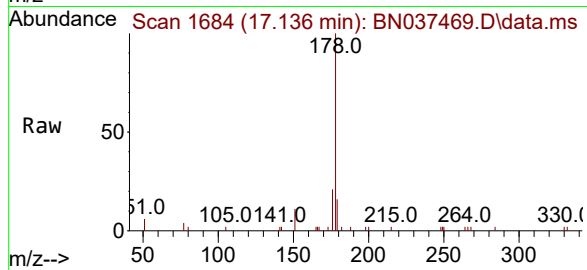




#25
Phenanthrene
Concen: 0.380 ng
RT: 17.136 min Scan# 1684
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

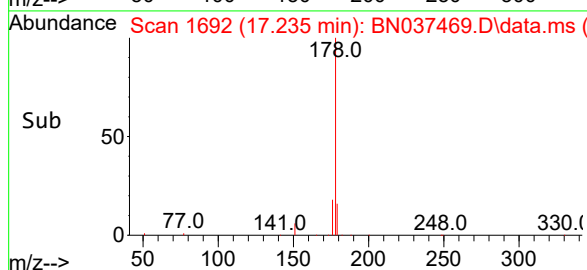
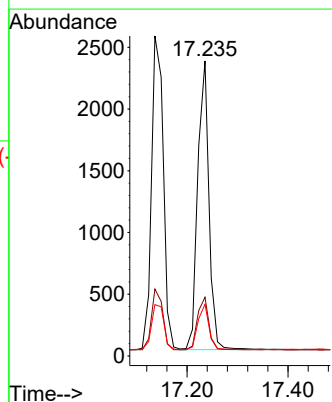
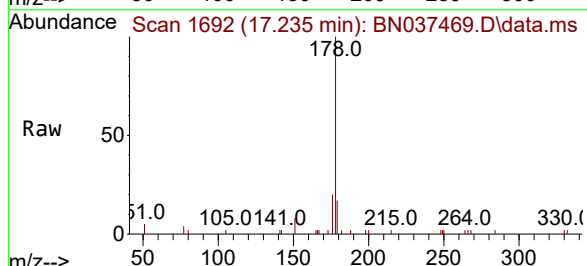
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

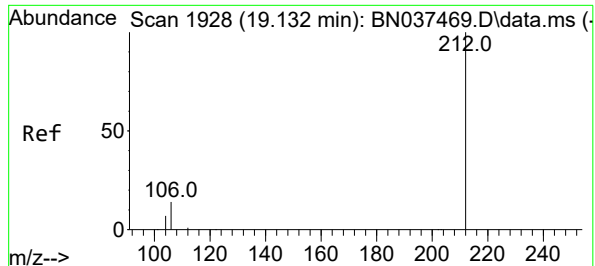
Tgt Ion:178 Resp: 4140
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.2 12.2 18.2



#26
Anthracene
Concen: 0.369 ng
RT: 17.235 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

Tgt Ion:178 Resp: 3627
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.4 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.360 ng

RT: 19.132 min Scan# 1928

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

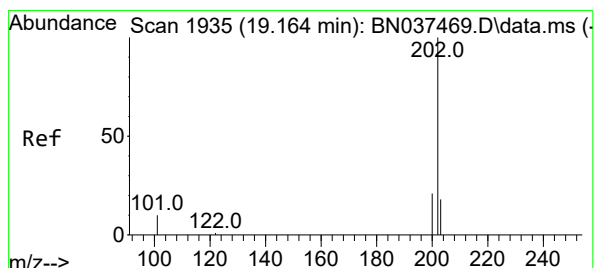
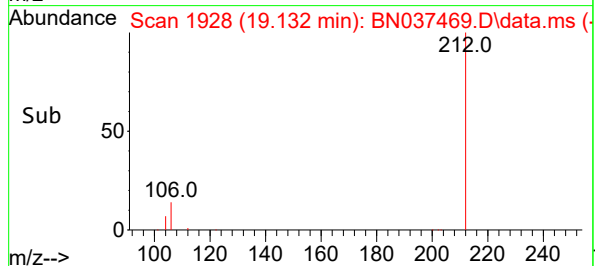
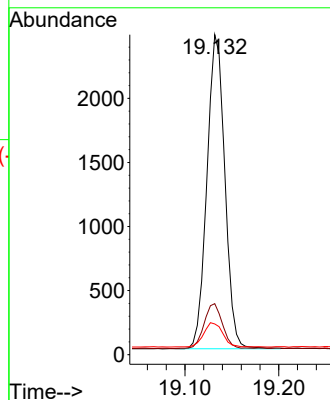
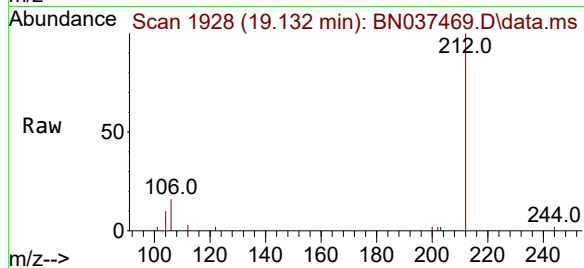
Tgt Ion:212 Resp: 3252

Ion Ratio Lower Upper

212 100

106 14.6 11.7 17.5

104 8.3 6.6 10.0



#28

Fluoranthene

Concen: 0.365 ng

RT: 19.164 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

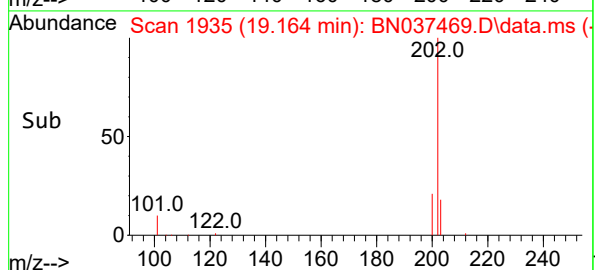
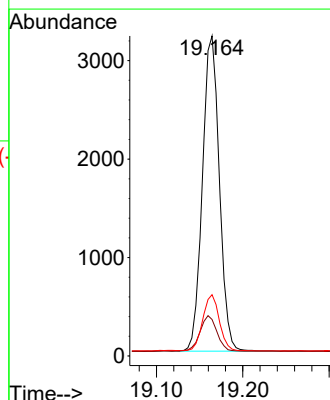
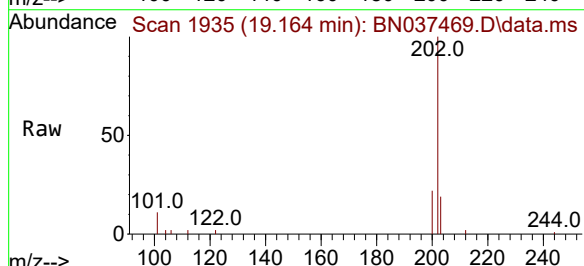
Tgt Ion:202 Resp: 4365

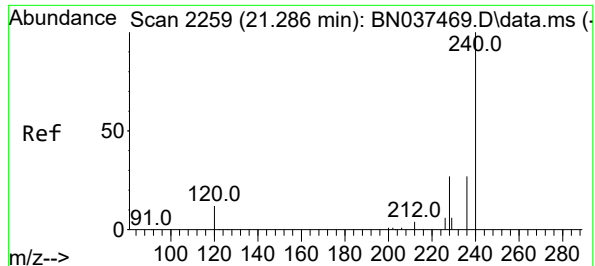
Ion Ratio Lower Upper

202 100

101 11.5 9.2 13.8

203 17.5 14.0 21.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

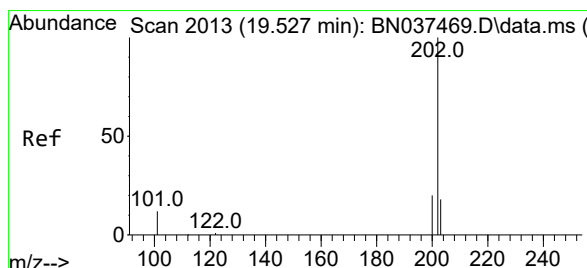
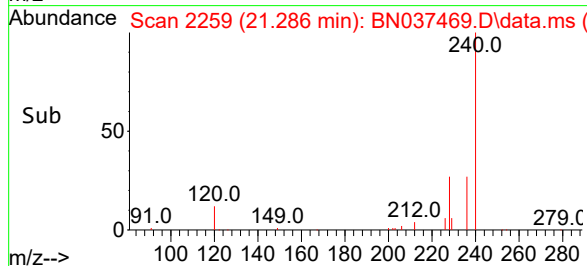
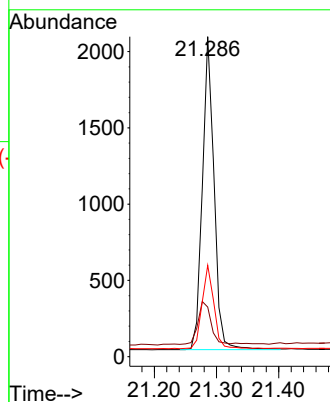
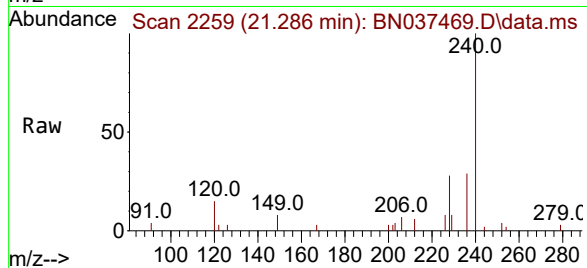
Tgt Ion:240 Resp: 2684

Ion Ratio Lower Upper

240 100

120 15.5 12.4 18.6

236 28.6 22.9 34.3



#30

Pyrene

Concen: 0.396 ng

RT: 19.527 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

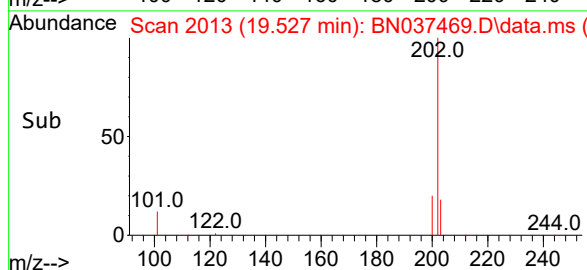
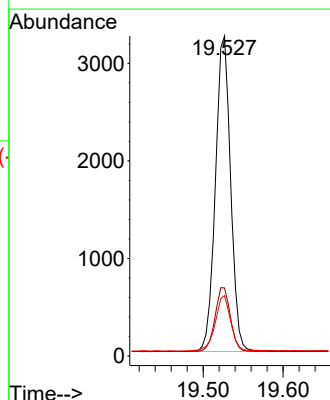
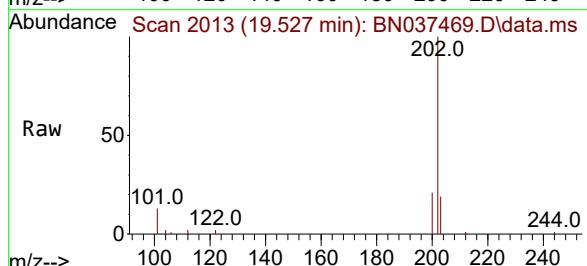
Tgt Ion:202 Resp: 4278

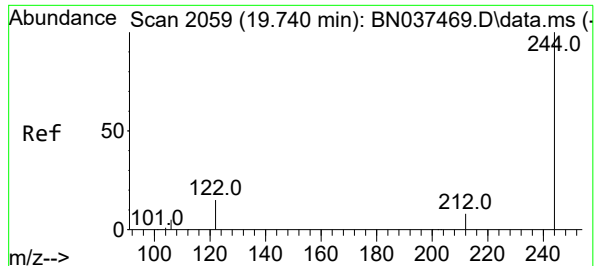
Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

203 17.9 14.3 21.5

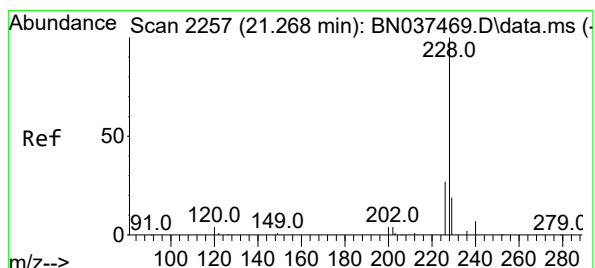
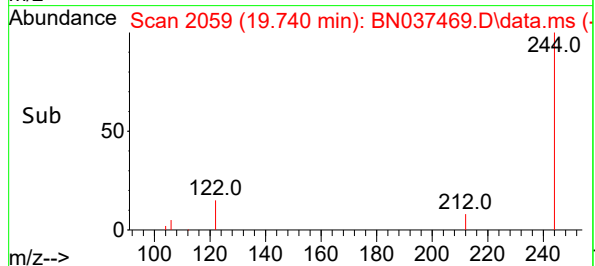
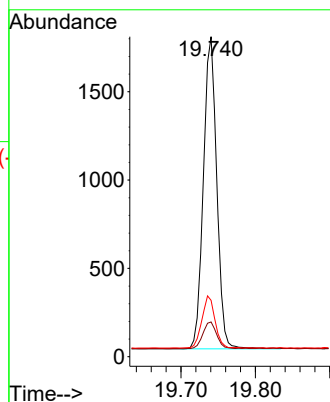
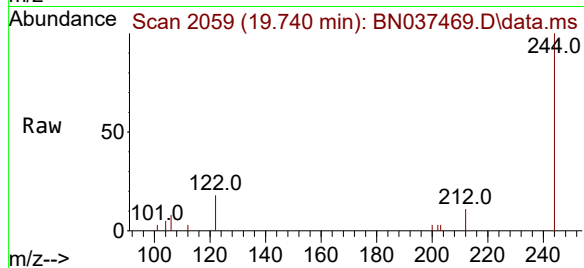




#31
Terphenyl-d14
Concen: 0.393 ng
RT: 19.740 min Scan# 2059
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

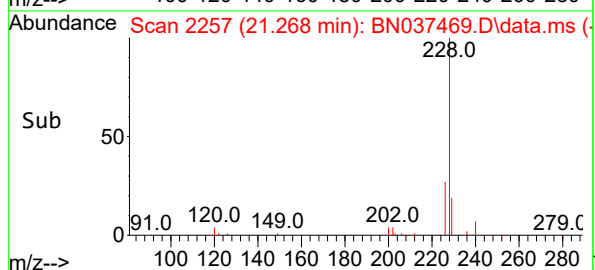
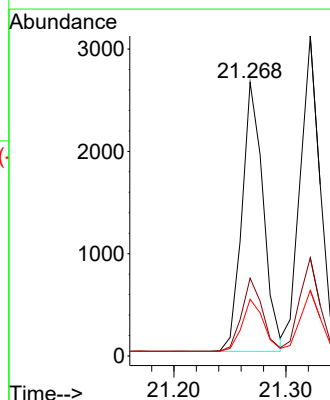
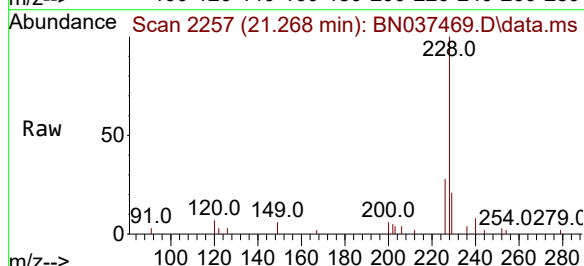
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

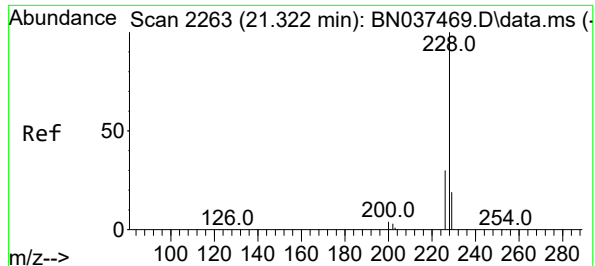
Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.9	8.7	13.1
122	17.6	14.1	21.1



#32
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.268 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BN037469.D
Acq: 11 Jul 2025 12:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.7	34.1
229	20.7	16.6	24.8





#33

Chrysene

Concen: 0.396 ng

RT: 21.322 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

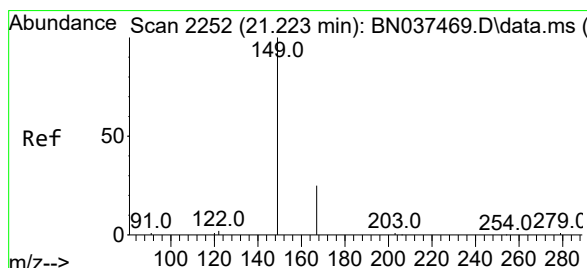
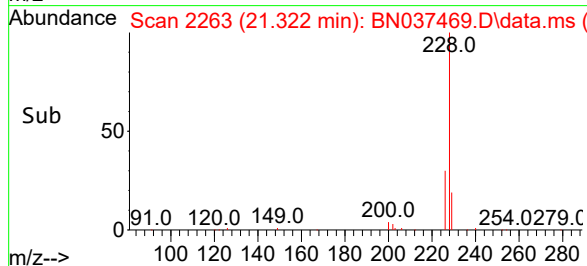
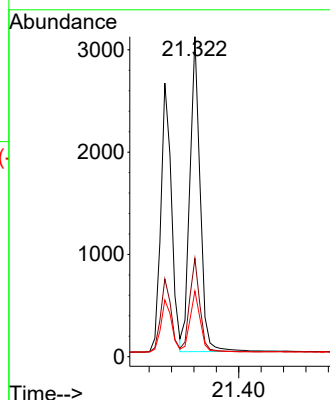
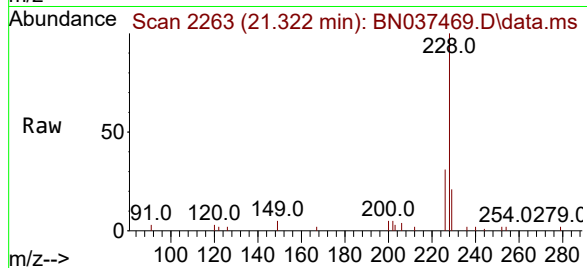
Tgt Ion:228 Resp: 3930

Ion Ratio Lower Upper

228 100

226 30.7 24.6 36.8

229 20.5 16.4 24.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.392 ng

RT: 21.223 min Scan# 2252

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

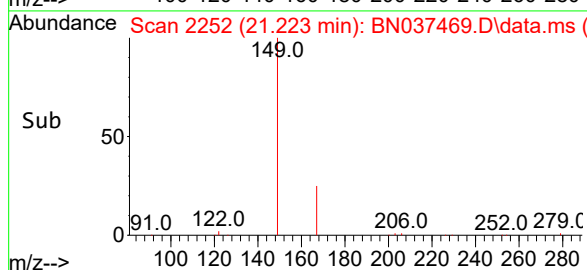
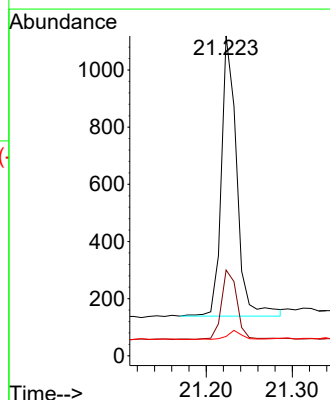
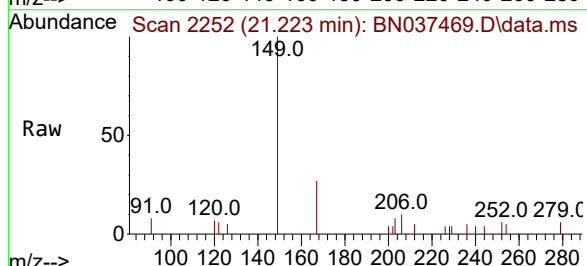
Tgt Ion:149 Resp: 1211

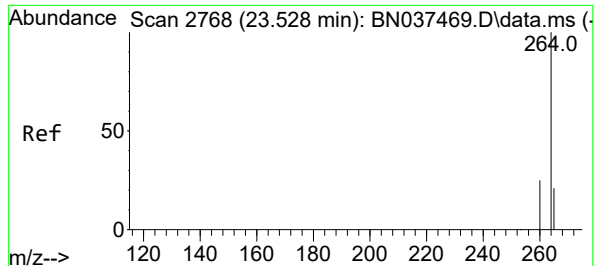
Ion Ratio Lower Upper

149 100

167 24.3 19.4 29.2

279 3.1 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.528 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037469.D

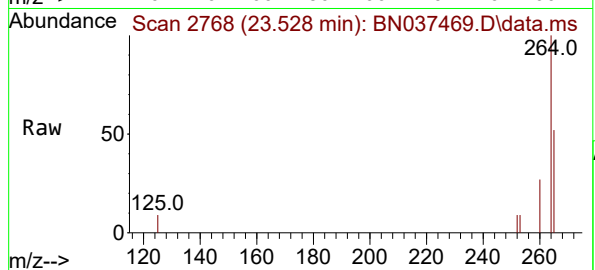
Acq: 11 Jul 2025 12:22

Instrument :

BNA_N

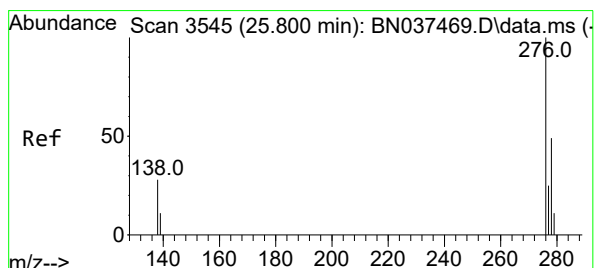
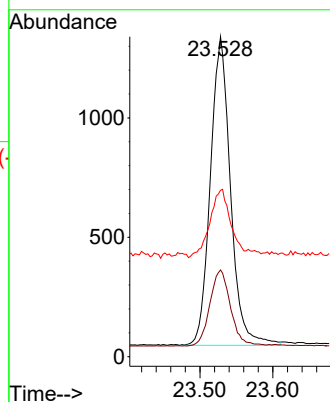
ClientSampleId :

SSTDICCC0.4



Tgt Ion:264 Resp: 2478

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.7	32.5
265	52.0	41.6	62.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.359 ng

RT: 25.800 min Scan# 3545

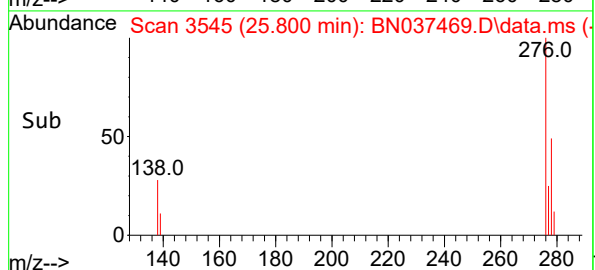
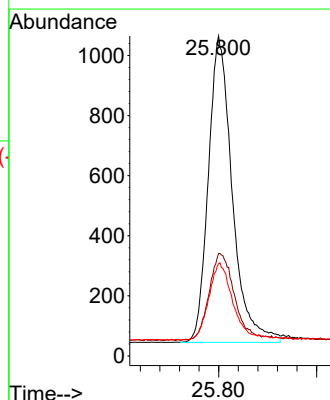
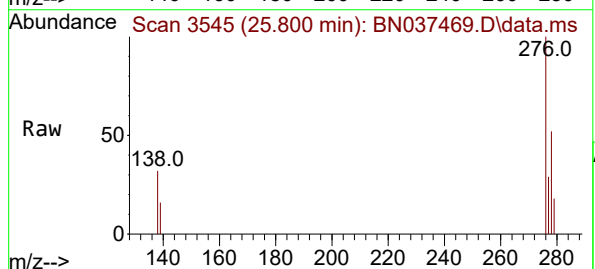
Delta R.T. 0.000 min

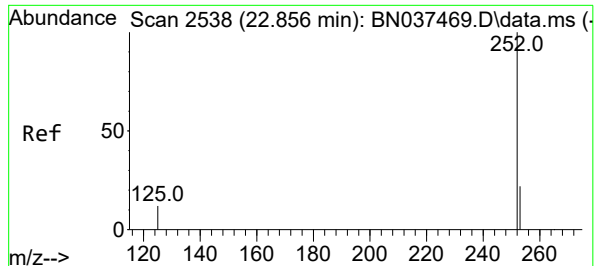
Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

Tgt Ion:276 Resp: 3450

Ion	Ratio	Lower	Upper
276	100		
138	29.3	23.4	35.2
277	24.8	19.8	29.8





#37

Benzo(b)fluoranthene

Concen: 0.363 ng

RT: 22.856 min Scan# 2538

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

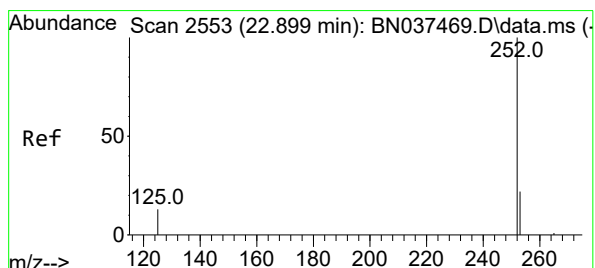
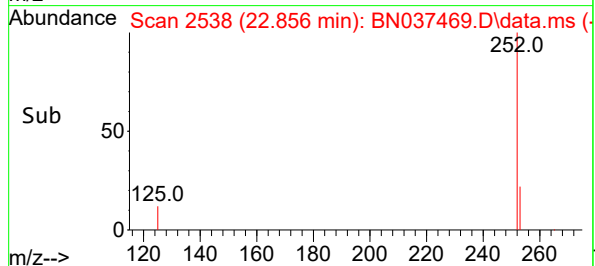
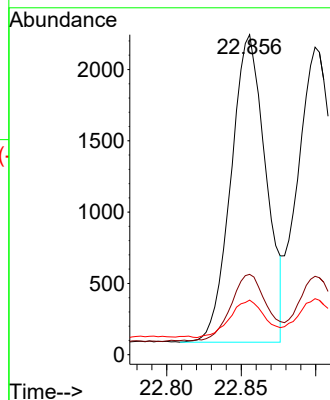
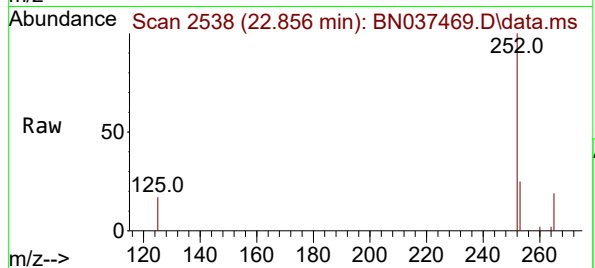
Tgt Ion:252 Resp: 3496

Ion Ratio Lower Upper

252 100

253 25.1 20.1 30.1

125 17.1 13.7 20.5



#38

Benzo(k)fluoranthene

Concen: 0.363 ng

RT: 22.899 min Scan# 2553

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

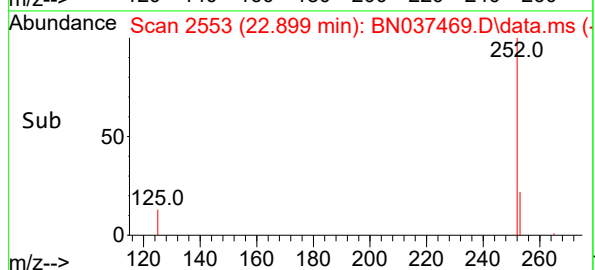
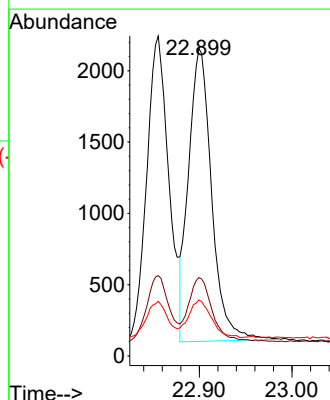
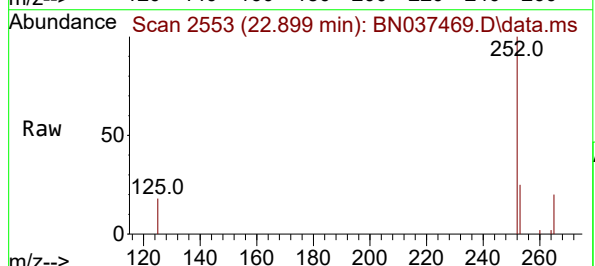
Tgt Ion:252 Resp: 3550

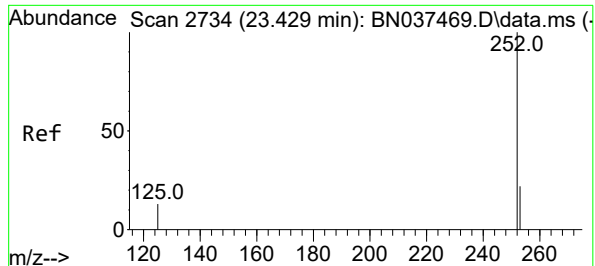
Ion Ratio Lower Upper

252 100

253 25.5 20.4 30.6

125 18.2 14.6 21.8





#39

Benzo(a)pyrene

Concen: 0.368 ng

RT: 23.429 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

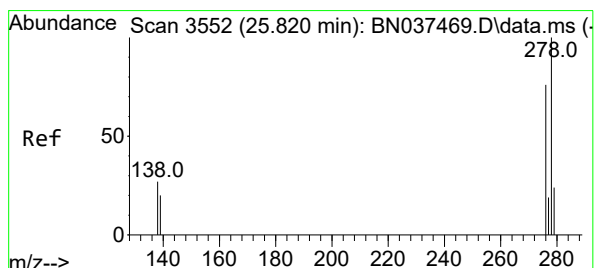
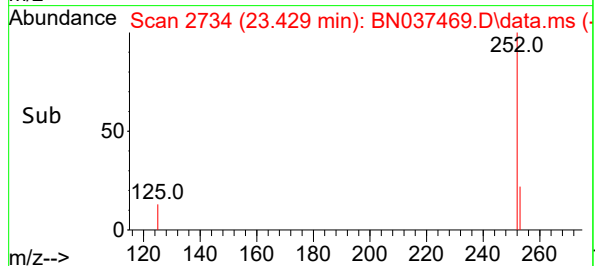
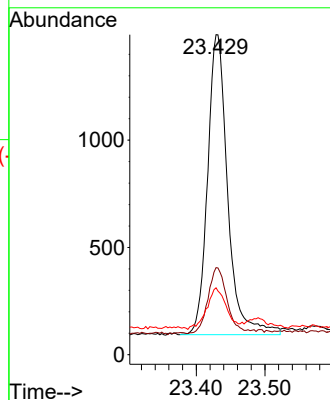
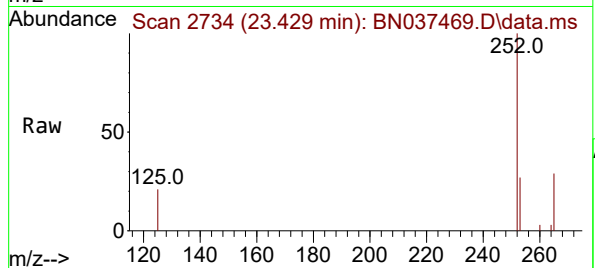
Tgt Ion:252 Resp: 2854

Ion Ratio Lower Upper

252 100

253 27.2 21.8 32.6

125 20.9 16.7 25.1



#40

Dibenzo(a,h)anthracene

Concen: 0.353 ng

RT: 25.820 min Scan# 3552

Delta R.T. 0.000 min

Lab File: BN037469.D

Acq: 11 Jul 2025 12:22

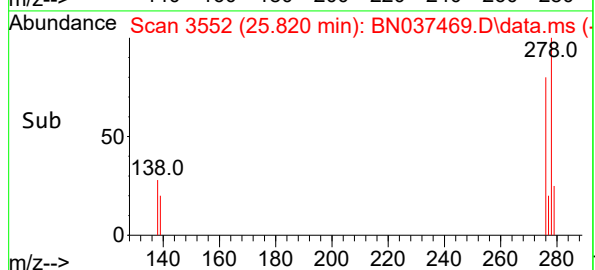
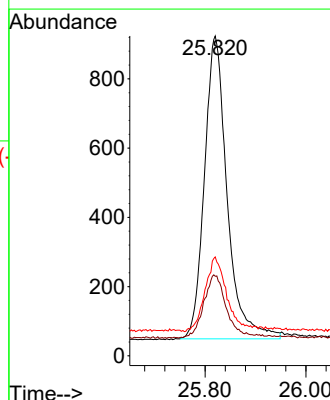
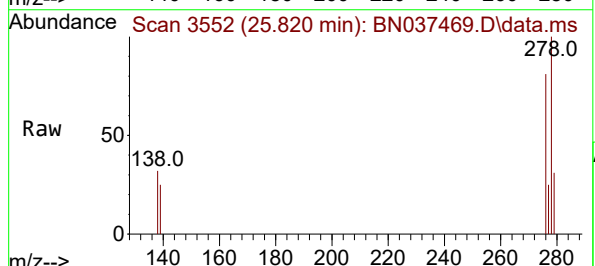
Tgt Ion:278 Resp: 2738

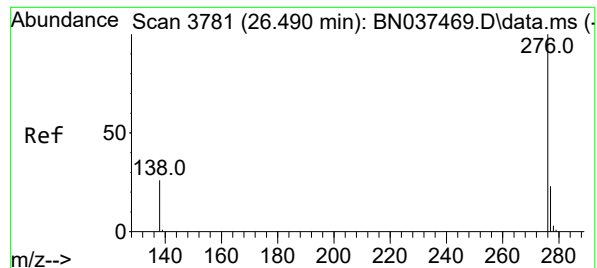
Ion Ratio Lower Upper

278 100

139 24.9 19.9 29.9

279 31.0 24.8 37.2





#41

Benzo(g,h,i)perylene

Concen: 0.369 ng

RT: 26.490 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN037469.D

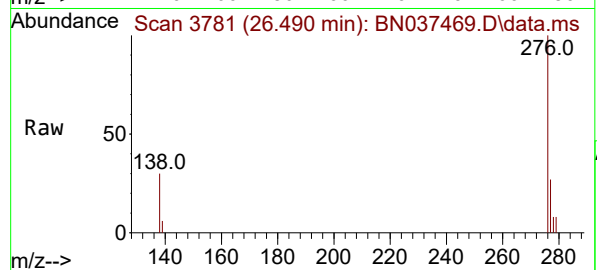
Acq: 11 Jul 2025 12:22

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



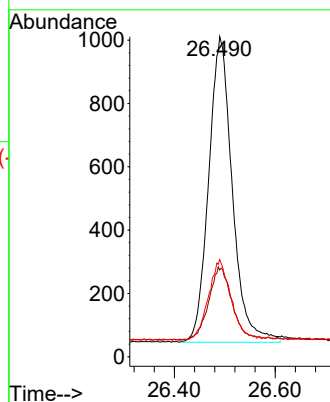
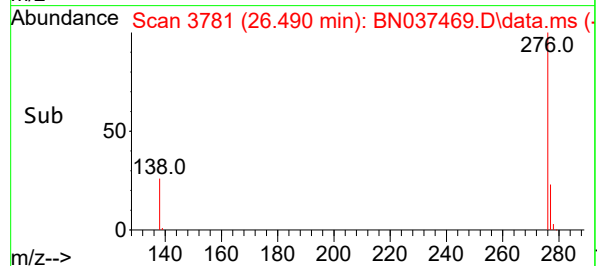
Tgt Ion:276 Resp: 3138

Ion Ratio Lower Upper

276 100

277 27.1 21.7 32.5

138 30.4 24.3 36.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
 Data File : BN037470.D
 Acq On : 11 Jul 2025 12:59
 Operator : RC/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.8

Quant Time: Jul 11 15:26:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:17:19 2025
 Response via : Initial Calibration

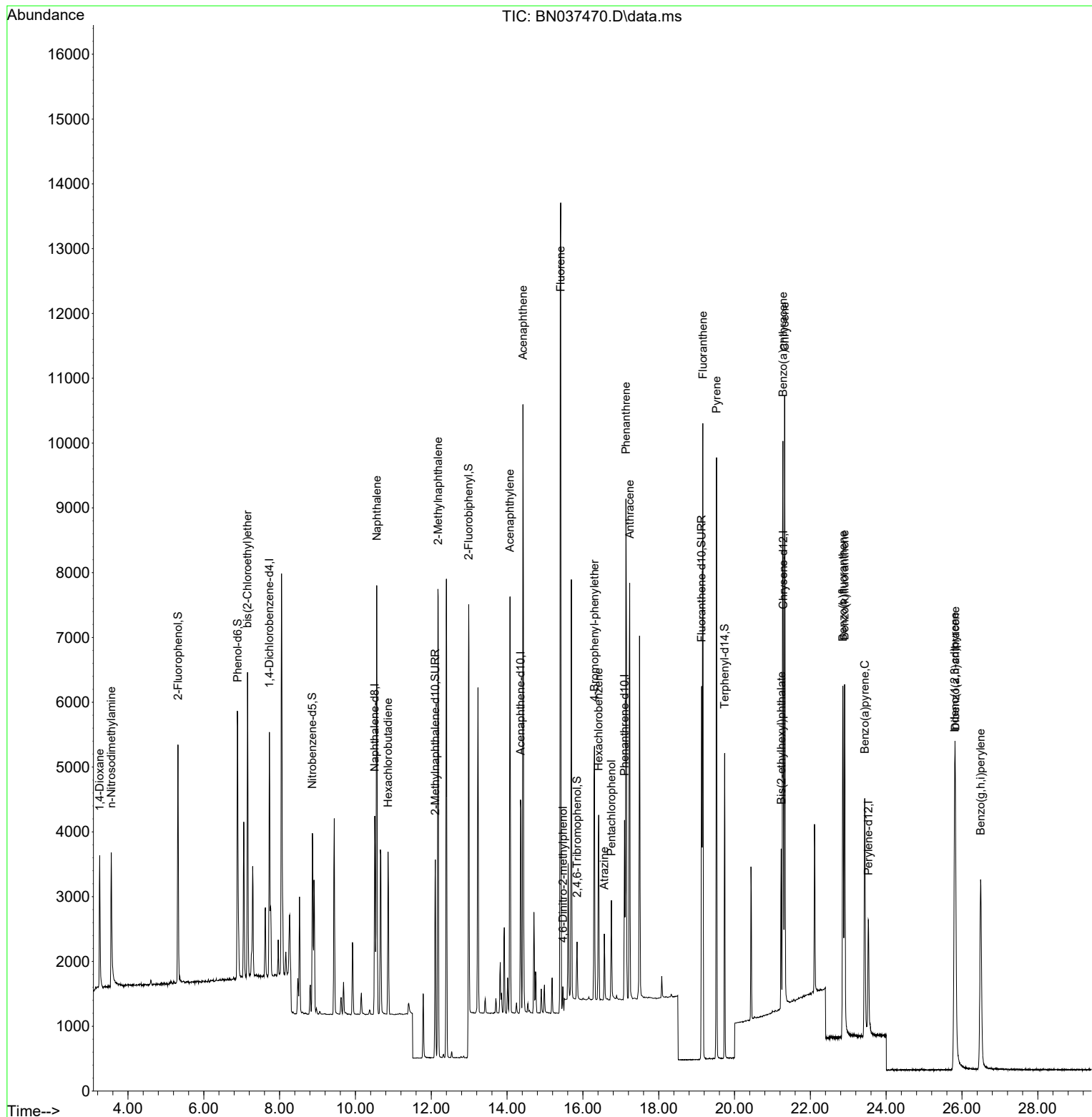
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	1736	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	4076	0.400	ng	0.00
13) Acenaphthene-d10	14.355	164	1951	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	3482	0.400	ng	0.00
29) Chrysene-d12	21.286	240	2759	0.400	ng	0.00
35) Perylene-d12	23.531	264	2383	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	2966	0.734	ng	0.00
5) Phenol-d6	6.894	99	3692	0.726	ng	0.00
8) Nitrobenzene-d5	8.865	82	2168	0.733	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	3996	0.721	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	474	0.716	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	8347	0.750	ng	0.00
27) Fluoranthene-d10	19.132	212	6236	0.710	ng	0.00
31) Terphenyl-d14	19.740	244	4293	0.746	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.254	88	1305	0.800	ng	97
3) n-Nitrosodimethylamine	3.557	42	1644	0.754	ng	97
6) bis(2-Chloroethyl)ether	7.154	93	3245	0.763	ng	99
9) Naphthalene	10.562	128	8271	0.755	ng	98
10) Hexachlorobutadiene	10.861	225	2016	0.766	ng	# 99
12) 2-Methylnaphthalene	12.177	142	5099	0.743	ng	98
16) Acenaphthylene	14.078	152	6655	0.748	ng	100
17) Acenaphthene	14.420	154	4442	0.744	ng	99
18) Fluorene	15.414	166	5554	0.741	ng	99
20) 4,6-Dinitro-2-methylph...	15.478	198	298	0.762	ng	# 72
21) 4-Bromophenyl-phenylether	16.304	248	1628	0.749	ng	95
22) Hexachlorobenzene	16.416	284	2289	0.764	ng	100
23) Atrazine	16.565	200	795	0.736	ng	93
24) Pentachlorophenol	16.751	266	696	0.674	ng	95
25) Phenanthrene	17.136	178	7991	0.754	ng	100
26) Anthracene	17.235	178	7130	0.745	ng	100
28) Fluoranthene	19.164	202	8578	0.737	ng	99
30) Pyrene	19.527	202	8340	0.752	ng	100
32) Benzo(a)anthracene	21.277	228	6842	0.732	ng	99
33) Chrysene	21.322	228	7796	0.763	ng	99
34) Bis(2-ethylhexyl)phtha...	21.232	149	2313	0.728	ng	98
36) Indeno(1,2,3-cd)pyrene	25.806	276	6834	0.739	ng	99
37) Benzo(b)fluoranthene	22.858	252	6954	0.750	ng	96
38) Benzo(k)fluoranthene	22.902	252	7171	0.763	ng	95
39) Benzo(a)pyrene	23.434	252	5538	0.743	ng	# 93
40) Dibenzo(a,h)anthracene	25.826	278	5490	0.736	ng	93
41) Benzo(g,h,i)perylene	26.493	276	6107	0.747	ng	96

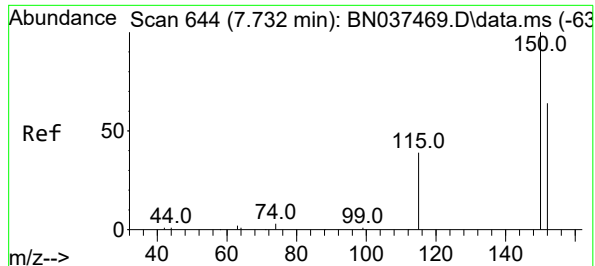
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
Data File : BN037470.D
Acq On : 11 Jul 2025 12:59
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

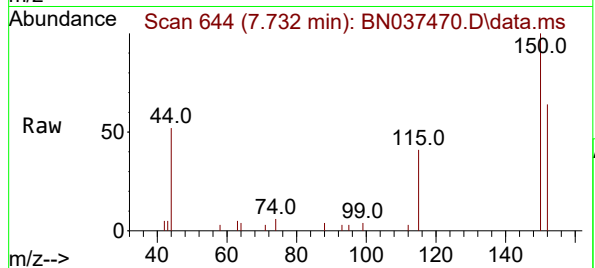
Quant Time: Jul 11 15:26:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:17:19 2025
Response via : Initial Calibration



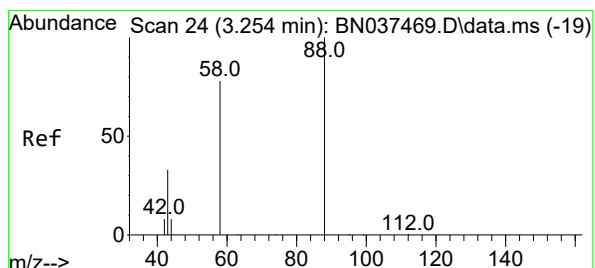
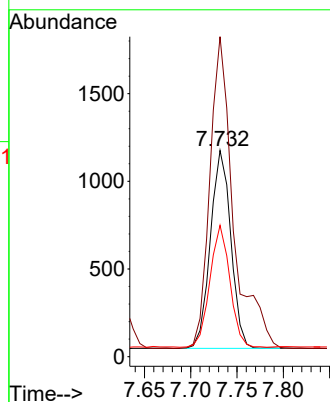
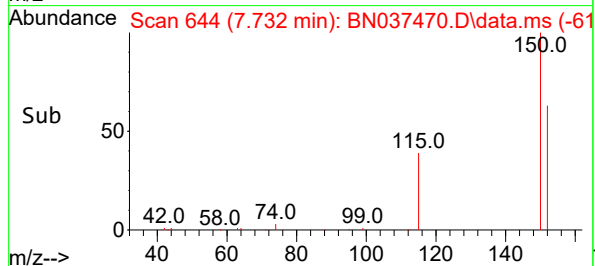


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.732 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

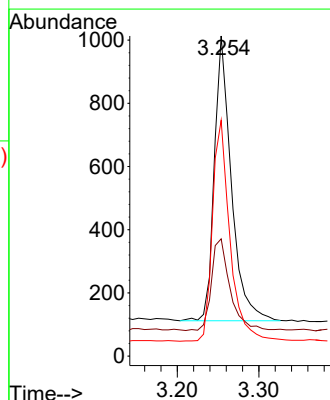
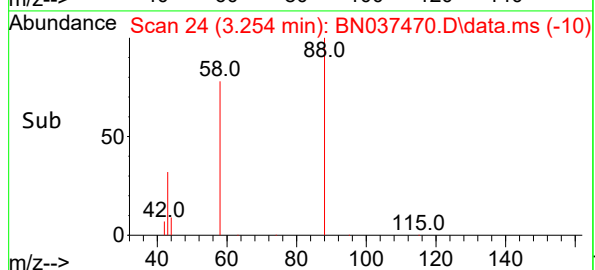
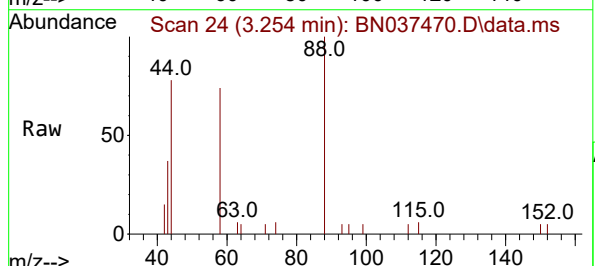


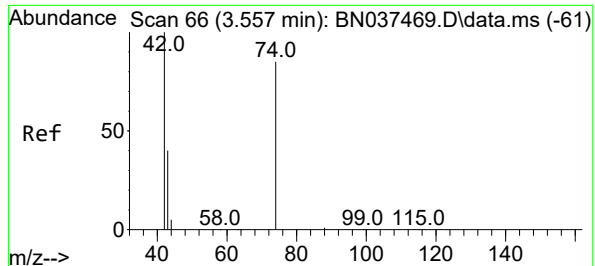
Tgt Ion:152 Resp: 1736
Ion Ratio Lower Upper
152 100
150 155.2 122.5 183.7
115 63.7 49.9 74.9



#2
1,4-Dioxane
Concen: 0.800 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

Tgt Ion: 88 Resp: 1305
Ion Ratio Lower Upper
88 100
43 35.2 30.7 46.1
58 79.8 65.0 97.4

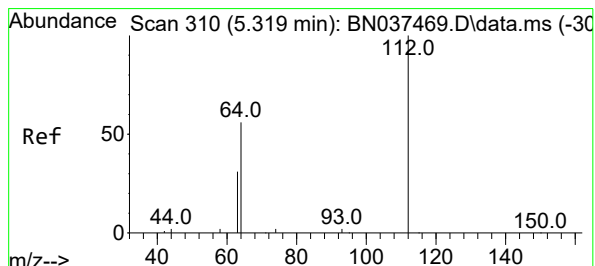
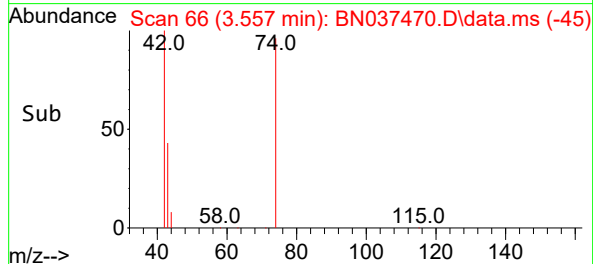
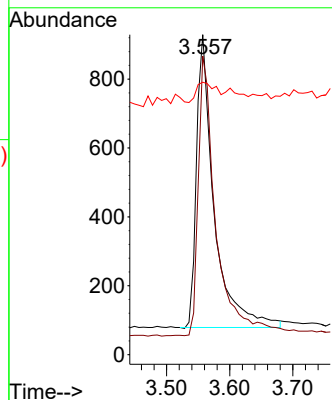
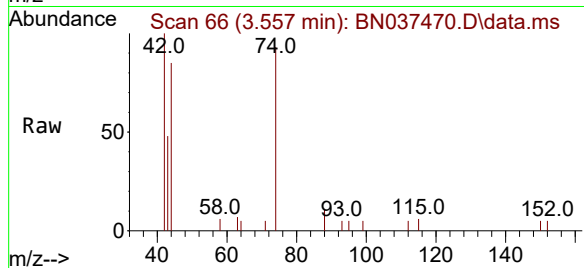




#3
n-Nitrosodimethylamine
Concen: 0.754 ng
RT: 3.557 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

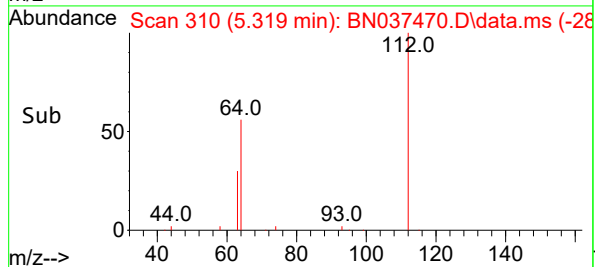
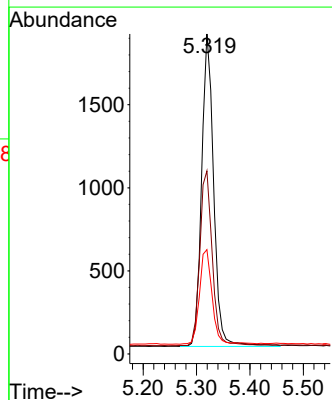
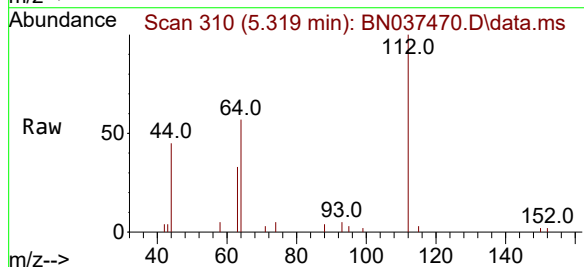
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

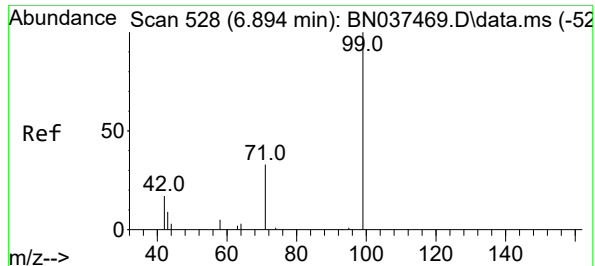
Tgt Ion: 42 Resp: 1644
Ion Ratio Lower Upper
42 100
74 96.5 74.9 112.3
44 7.6 7.2 10.8



#4
2-Fluorophenol
Concen: 0.734 ng
RT: 5.319 min Scan# 310
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

Tgt Ion: 112 Resp: 2966
Ion Ratio Lower Upper
112 100
64 57.7 45.4 68.0
63 31.5 24.7 37.1





#5

Phenol-d6

Concen: 0.726 ng

RT: 6.894 min Scan# 51

Delta R.T. -0.000 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

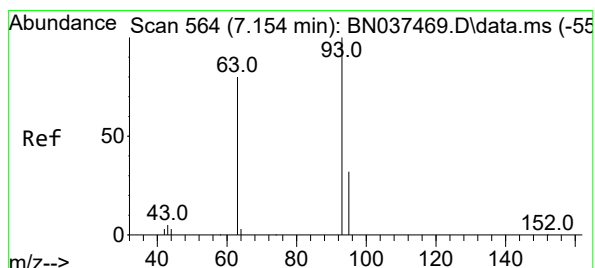
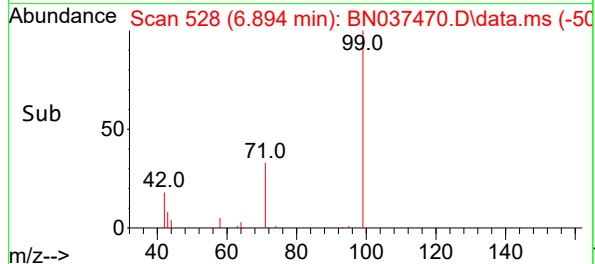
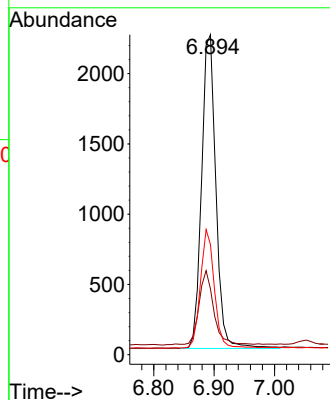
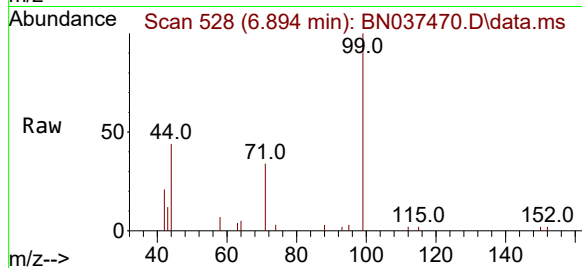
Tgt Ion: 99 Resp: 3692

Ion Ratio Lower Upper

99 100

42 24.5 19.5 29.3

71 36.9 29.4 44.2



#6

bis(2-Chloroethyl)ether

Concen: 0.763 ng

RT: 7.154 min Scan# 564

Delta R.T. -0.000 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

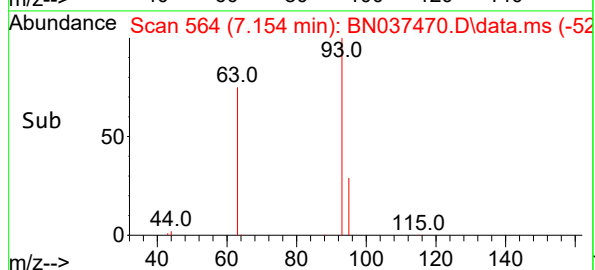
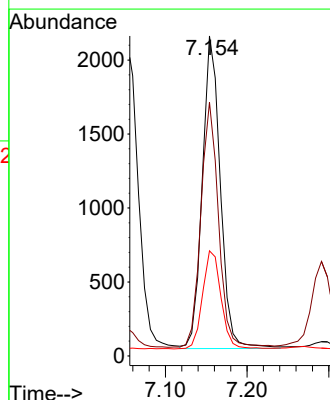
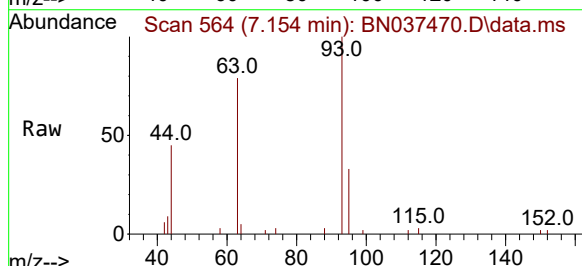
Tgt Ion: 93 Resp: 3245

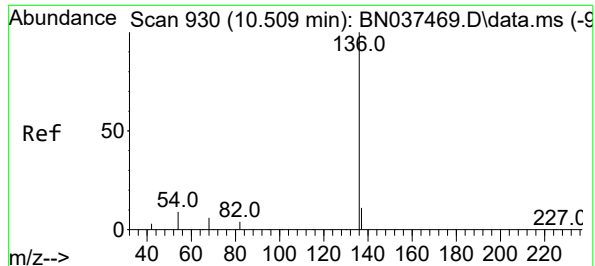
Ion Ratio Lower Upper

93 100

63 77.0 60.8 91.2

95 32.2 25.6 38.4

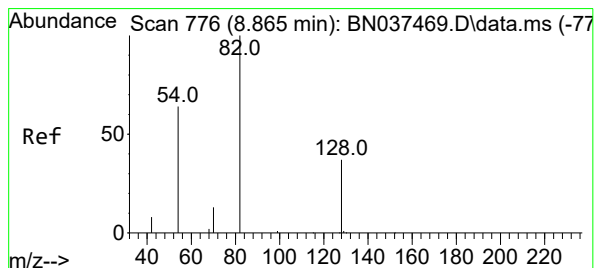
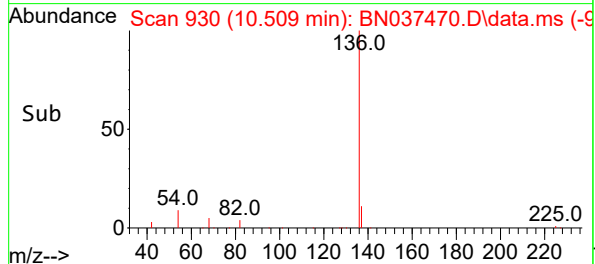
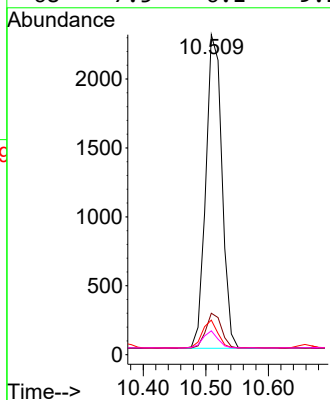
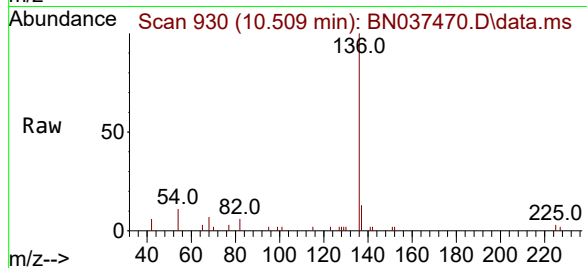




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

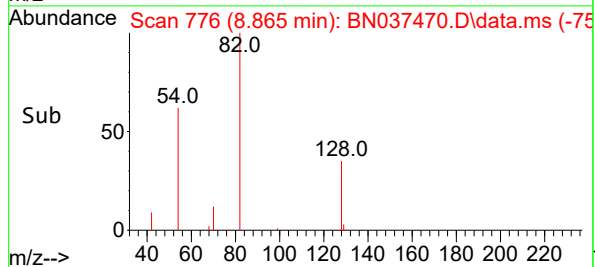
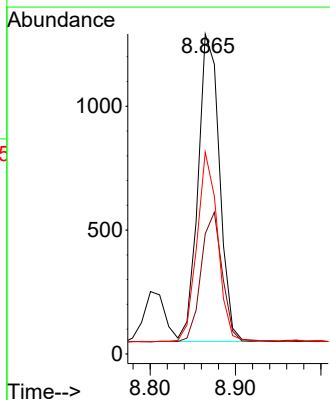
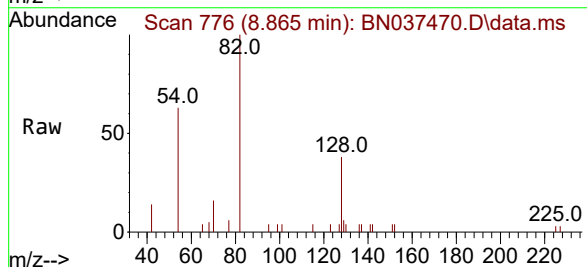
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

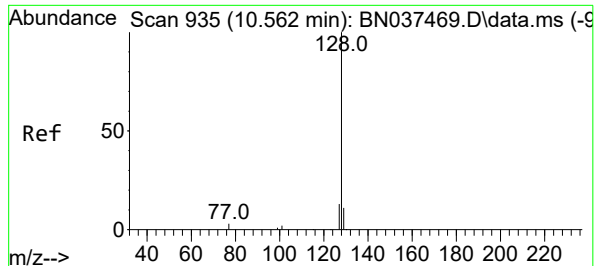
Tgt Ion:	136	Resp:	4076
Ion	Ratio	Lower	Upper
136	100		
137	13.0	10.0	15.0
54	10.8	9.0	13.6
68	7.5	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.733 ng
RT: 8.865 min Scan# 776
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

Tgt Ion:	82	Resp:	2168
Ion	Ratio	Lower	Upper
82	100		
128	37.5	33.1	49.7
54	63.1	53.0	79.4

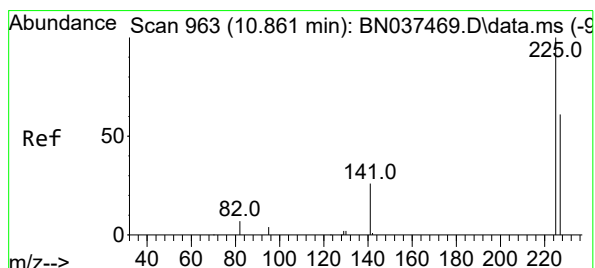
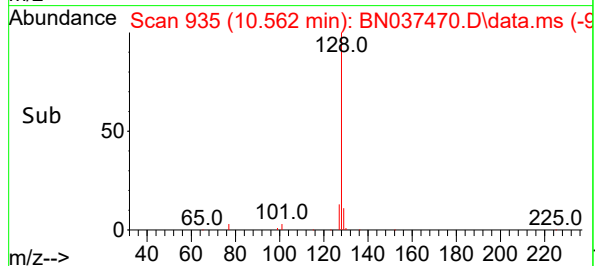
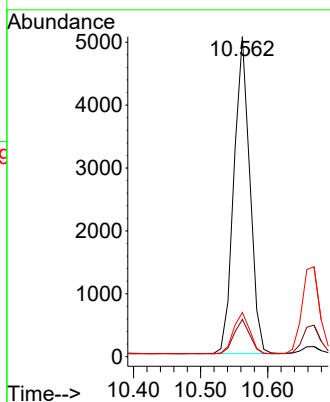
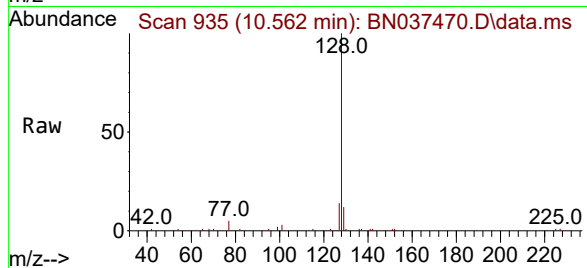




#9
Naphthalene
Concen: 0.755 ng
RT: 10.562 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

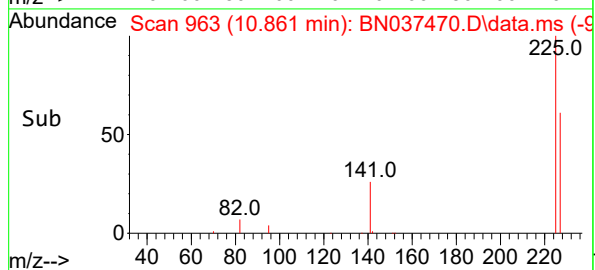
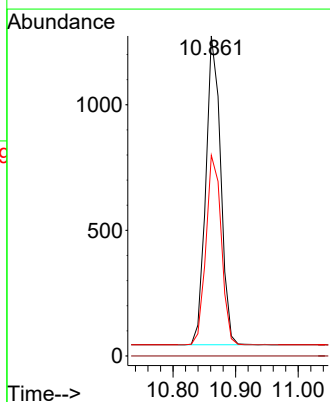
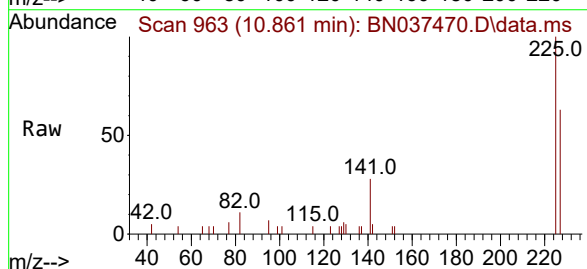
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

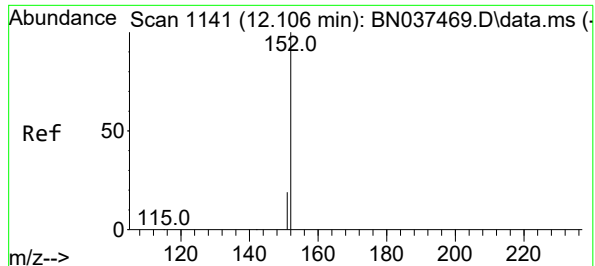
Tgt Ion	128	129	127
Resp:	8271		
Ion Ratio	100	11.7	13.8
Lower		10.2	11.8
Upper		15.2	17.6



#10
Hexachlorobutadiene
Concen: 0.766 ng
RT: 10.861 min Scan# 963
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

Tgt Ion	225	223	227
Resp:	2016		
Ion Ratio	100	0.0	63.2
Lower		0.0	51.4
Upper		0.0	77.2

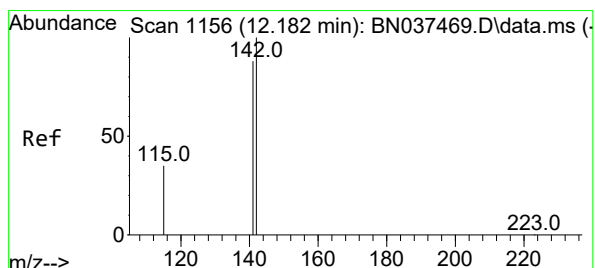
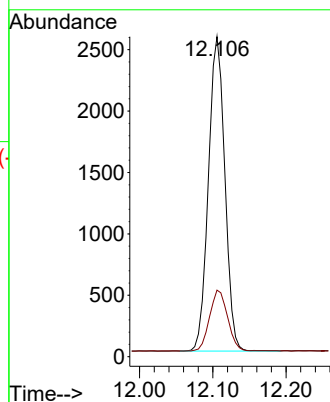
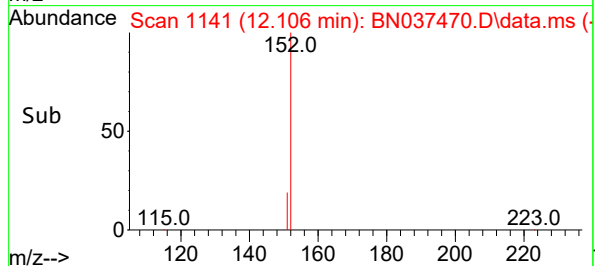
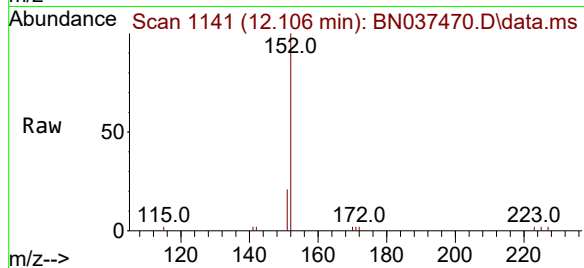




#11
2-Methylnaphthalene-d10
Concen: 0.721 ng
RT: 12.106 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

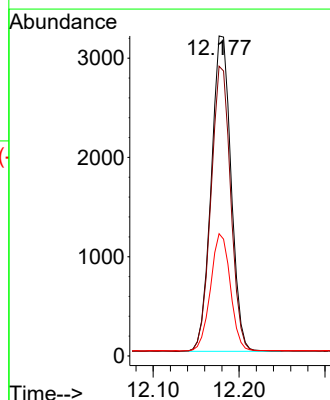
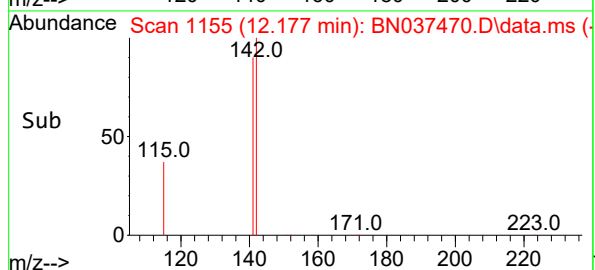
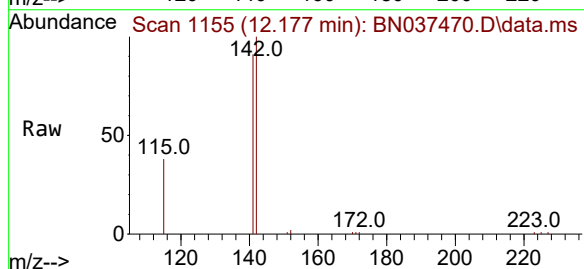
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

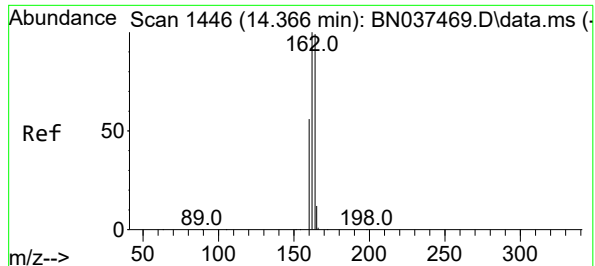
Tgt Ion:152 Resp: 3996
Ion Ratio Lower Upper
152 100
151 21.2 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.743 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

Tgt Ion:142 Resp: 5099
Ion Ratio Lower Upper
142 100
141 90.5 70.6 105.8
115 38.2 30.0 45.0

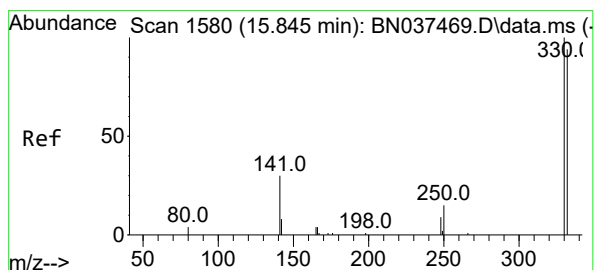
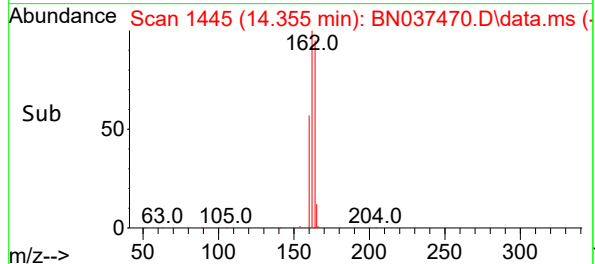
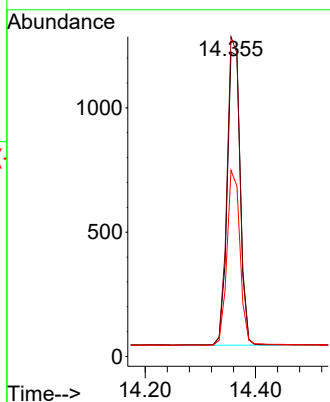
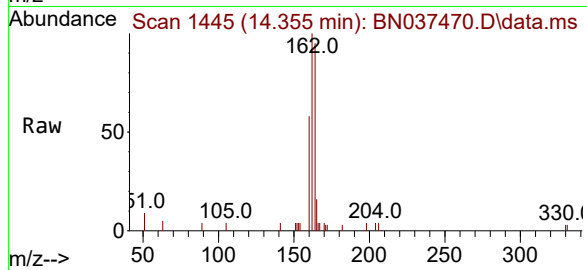




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.355 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

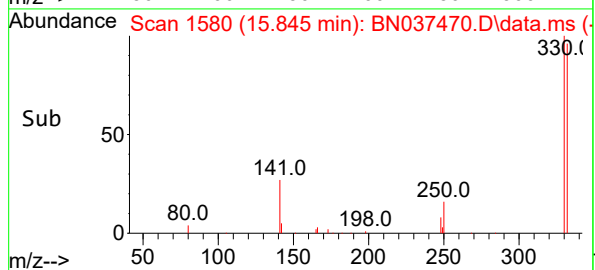
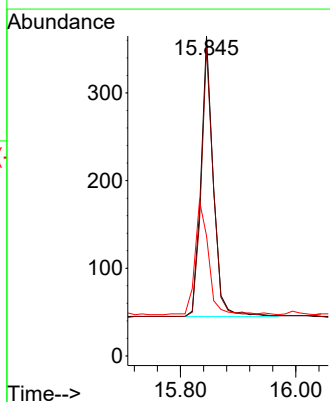
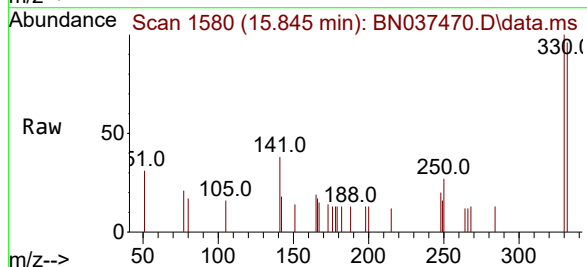
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

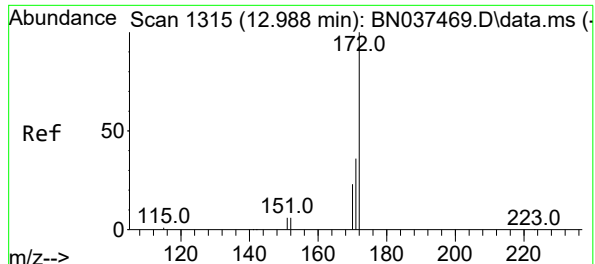
Tgt Ion:164 Resp: 1951
Ion Ratio Lower Upper
164 100
162 105.0 81.1 121.7
160 61.1 46.5 69.7



#14
2,4,6-Tribromophenol
Concen: 0.716 ng
RT: 15.845 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

Tgt Ion:330 Resp: 474
Ion Ratio Lower Upper
330 100
332 95.8 82.0 123.0
141 45.1 36.2 54.2





#15

2-Fluorobiphenyl

Concen: 0.750 ng

RT: 12.988 min Scan# 1315

Delta R.T. -0.000 min

Lab File: BN037470.D

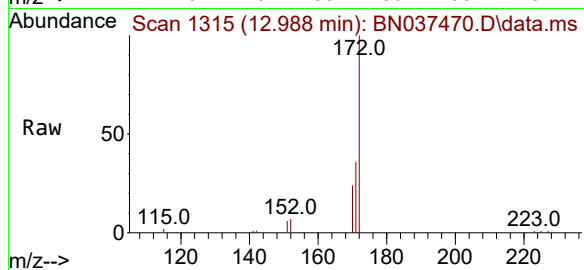
Acq: 11 Jul 2025 12:59

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



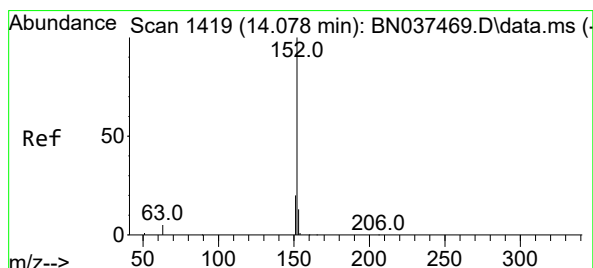
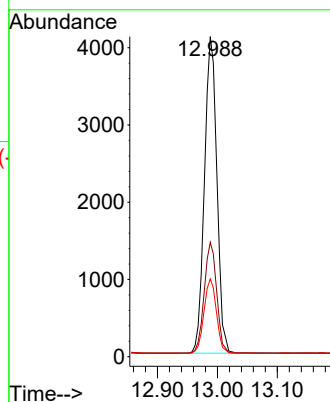
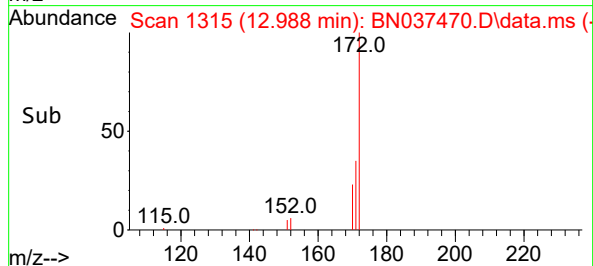
Tgt Ion:172 Resp: 8347

Ion Ratio Lower Upper

172 100

171 35.7 29.8 44.8

170 24.3 20.0 30.0



#16

Acenaphthylene

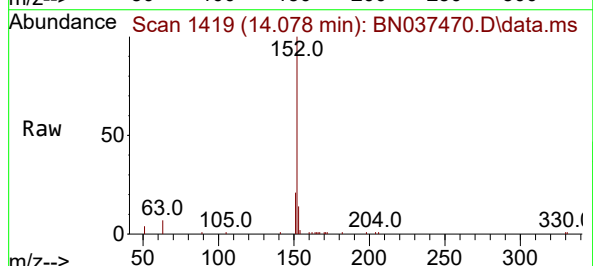
Concen: 0.748 ng

RT: 14.078 min Scan# 1419

Delta R.T. -0.000 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59



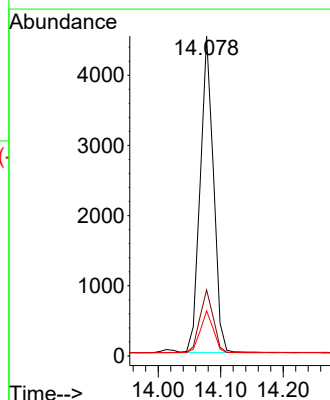
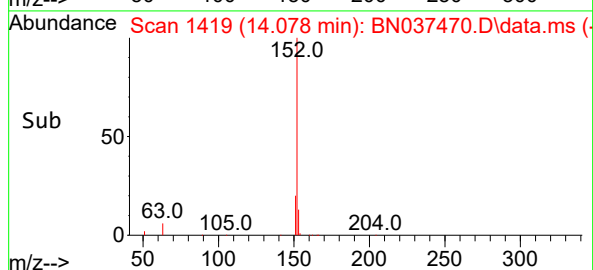
Tgt Ion:152 Resp: 6655

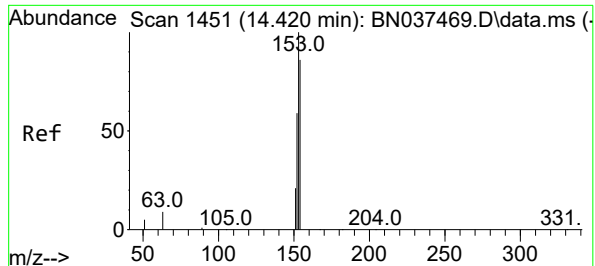
Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 13.1 10.6 15.8

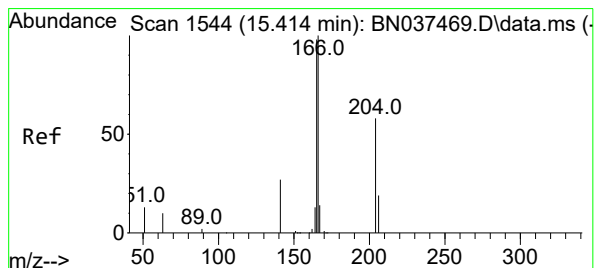
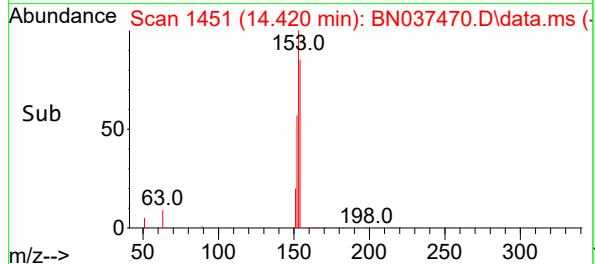
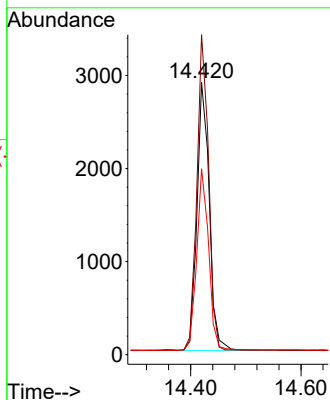
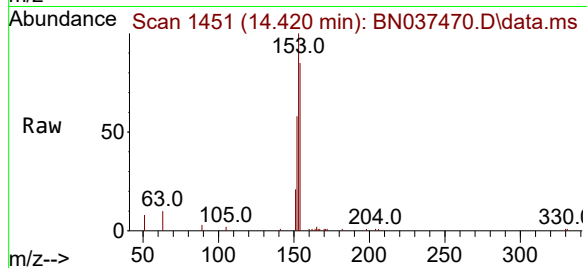




#17
Acenaphthene
Concen: 0.744 ng
RT: 14.420 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

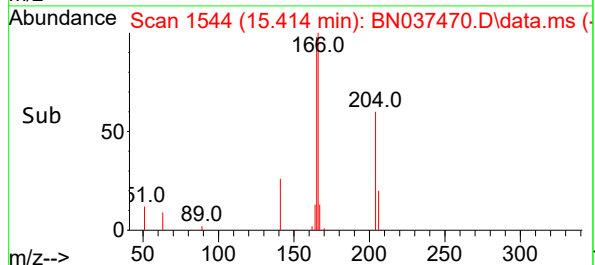
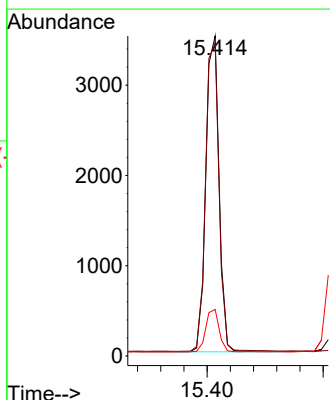
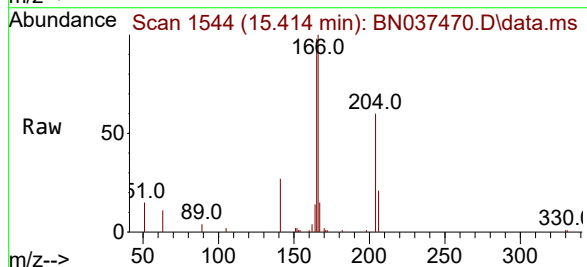
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

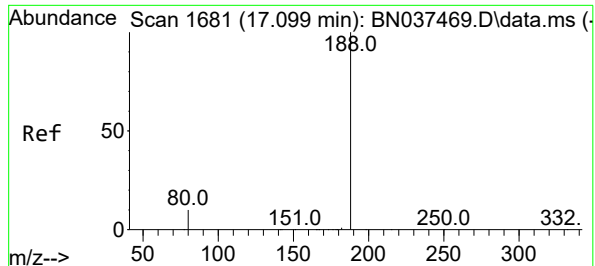
Tgt Ion:154 Resp: 4442
Ion Ratio Lower Upper
154 100
153 112.6 89.4 134.0
152 66.0 53.2 79.8



#18
Fluorene
Concen: 0.741 ng
RT: 15.414 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

Tgt Ion:166 Resp: 5554
Ion Ratio Lower Upper
166 100
165 100.4 79.4 119.2
167 13.4 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

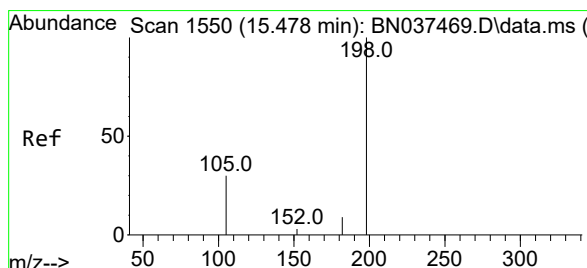
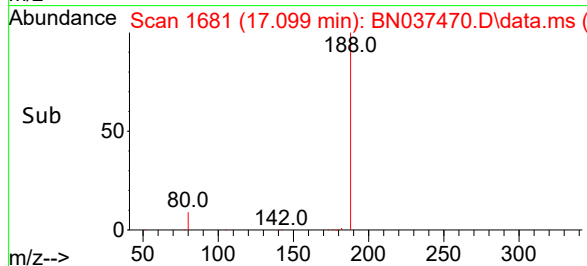
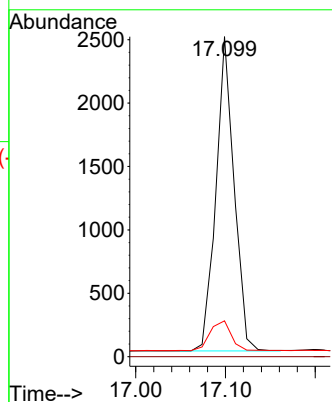
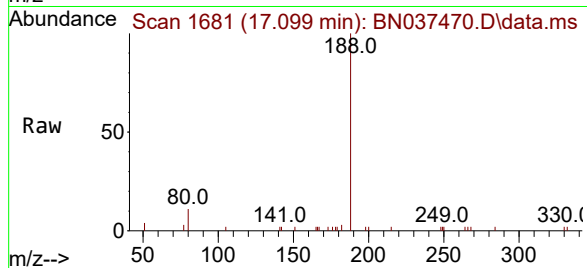
Tgt Ion:188 Resp: 3482

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.2 9.3 13.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.762 ng

RT: 15.478 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

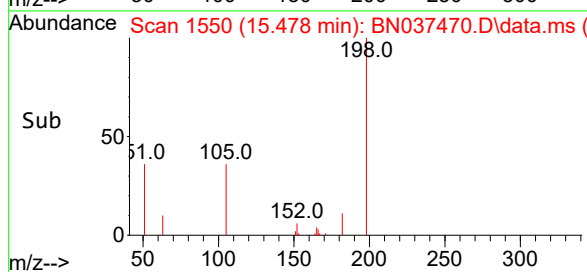
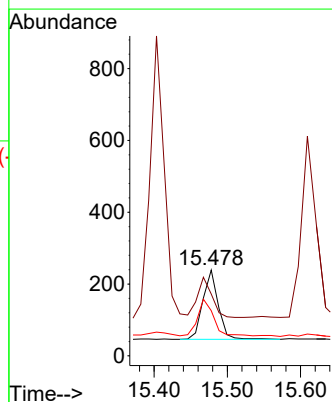
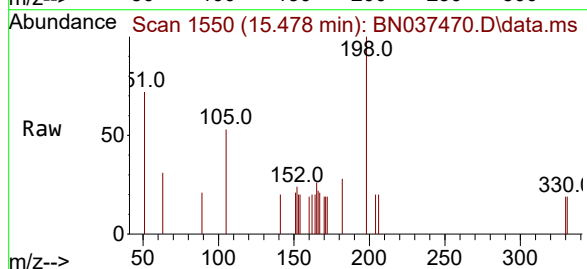
Tgt Ion:198 Resp: 298

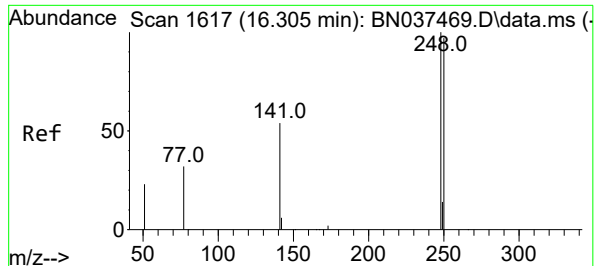
Ion Ratio Lower Upper

198 100

51 72.0 86.0 129.0#

105 52.7 53.0 79.4#

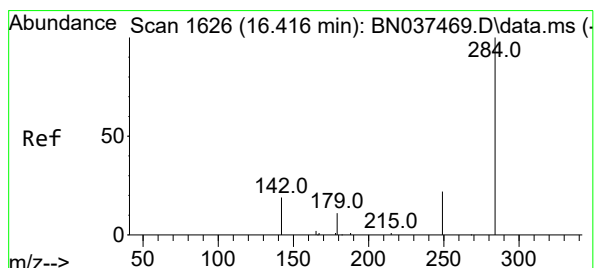
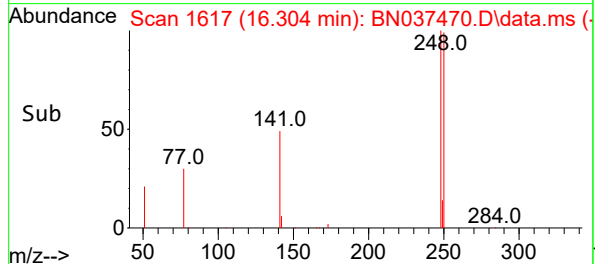
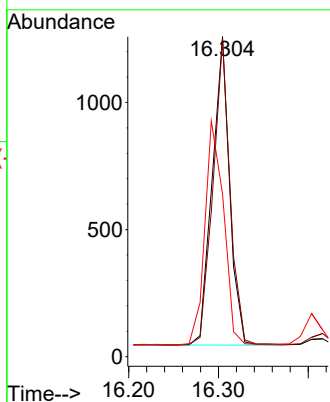
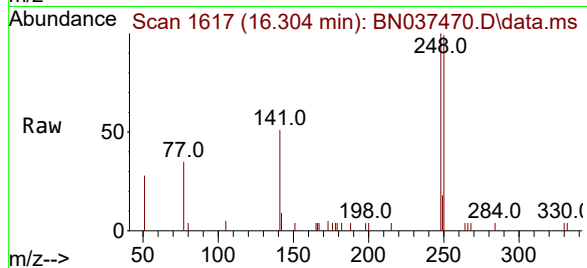




#21
4-Bromophenyl-phenylether
Concen: 0.749 ng
RT: 16.304 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

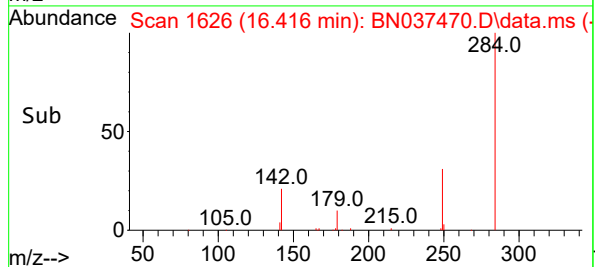
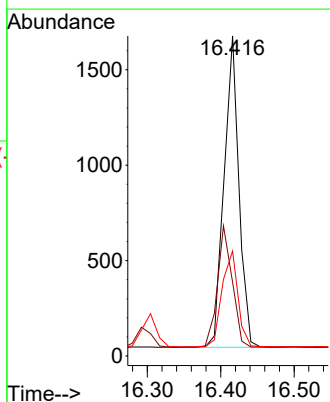
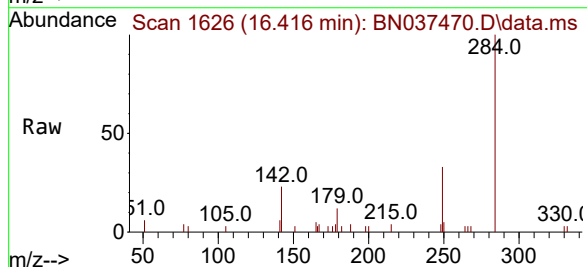
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

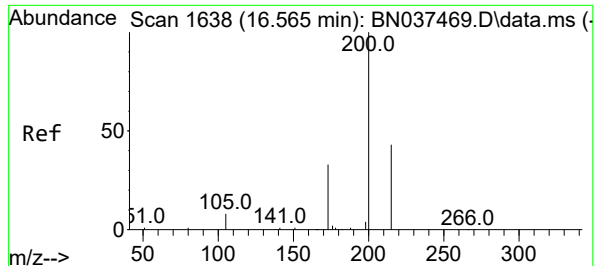
Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.4	77.8	116.6
141	50.9	45.9	68.9



#22
Hexachlorobenzene
Concen: 0.764 ng
RT: 16.416 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.9	31.3	46.9
249	33.2	26.6	40.0





#23

Atrazine

Concen: 0.736 ng

RT: 16.565 min Scan# 1638

Delta R.T. 0.000 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

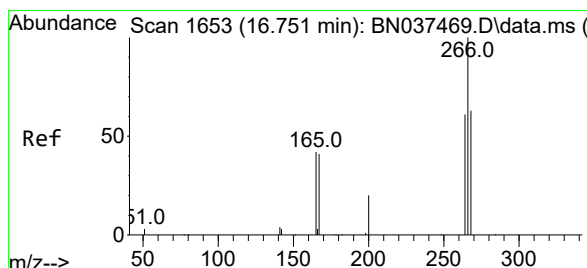
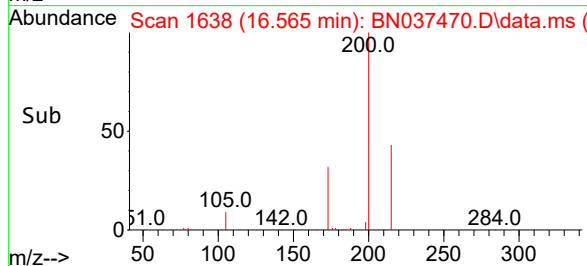
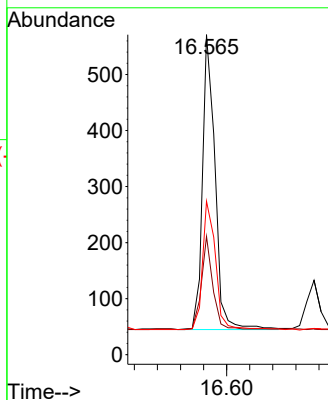
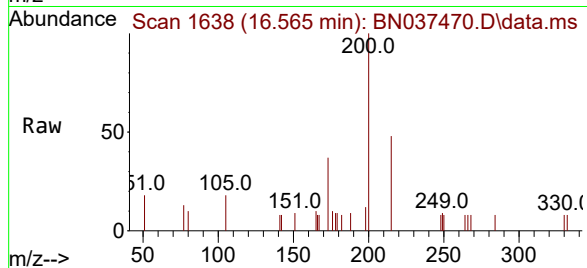
Tgt Ion:200 Resp: 795

Ion Ratio Lower Upper

200 100

173 37.0 34.3 51.5

215 48.0 41.6 62.4



#24

Pentachlorophenol

Concen: 0.674 ng

RT: 16.751 min Scan# 1653

Delta R.T. 0.000 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

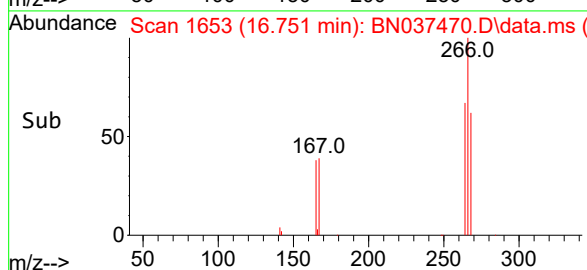
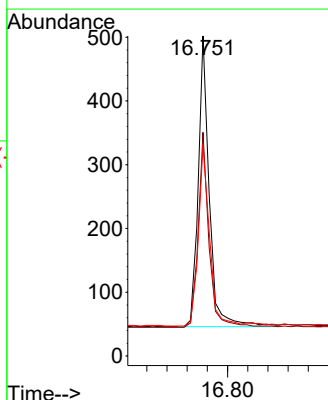
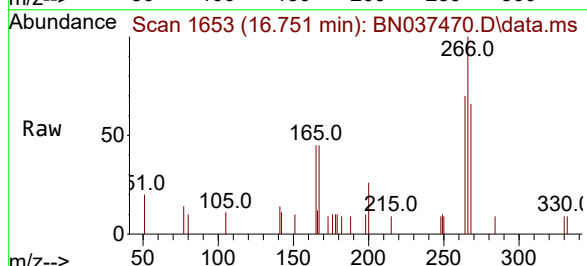
Tgt Ion:266 Resp: 696

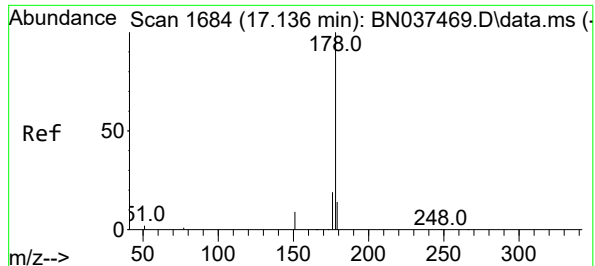
Ion Ratio Lower Upper

266 100

264 65.5 47.5 71.3

268 62.4 50.6 76.0

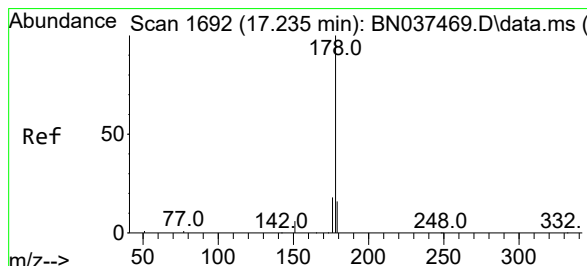
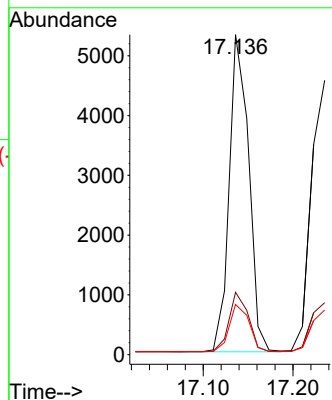
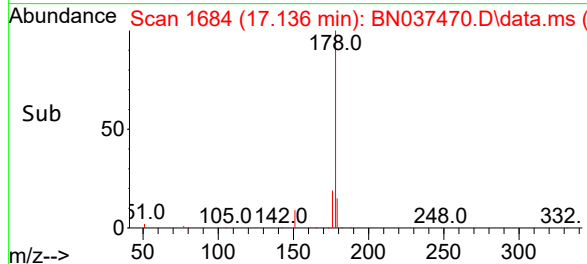
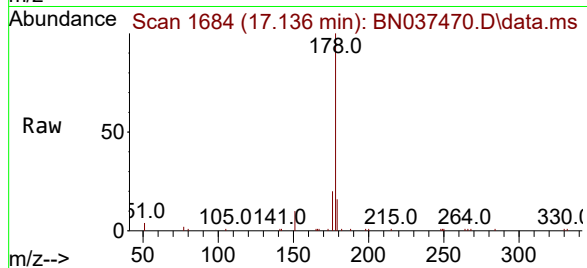




#25
Phenanthrene
Concen: 0.754 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

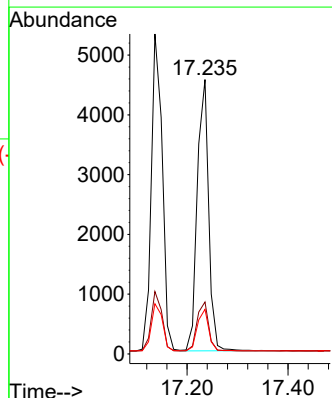
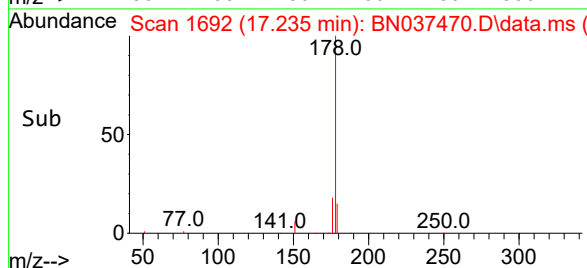
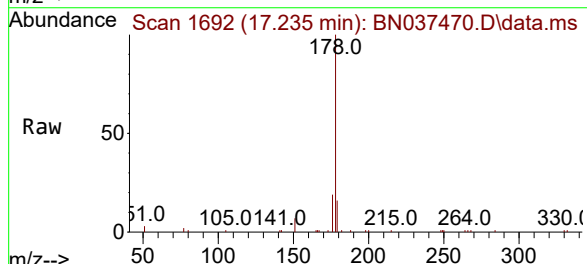
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

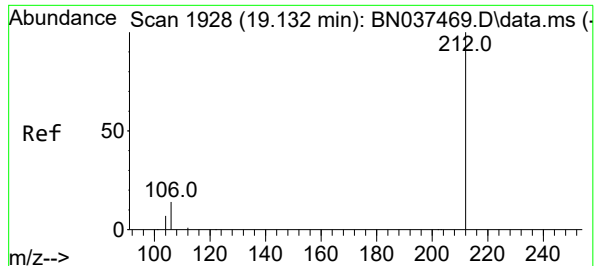
Tgt Ion:178 Resp: 7991
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.3 12.2 18.2



#26
Anthracene
Concen: 0.745 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

Tgt Ion:178 Resp: 7130
Ion Ratio Lower Upper
178 100
176 18.3 14.9 22.3
179 15.3 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.710 ng

RT: 19.132 min Scan# 1928

Delta R.T. -0.000 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

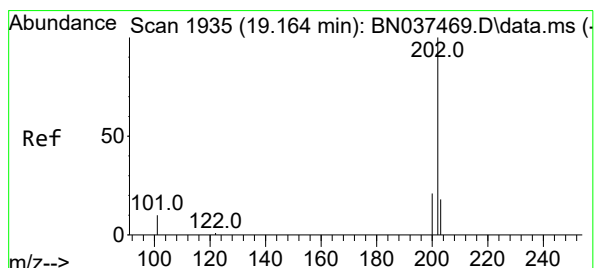
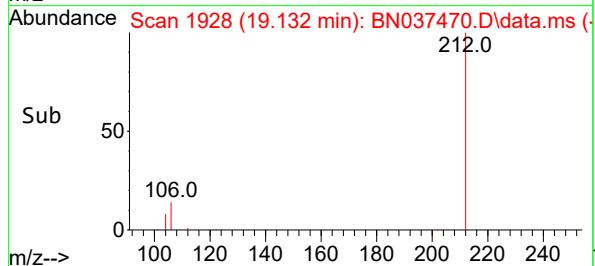
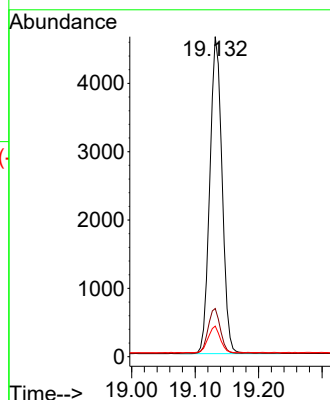
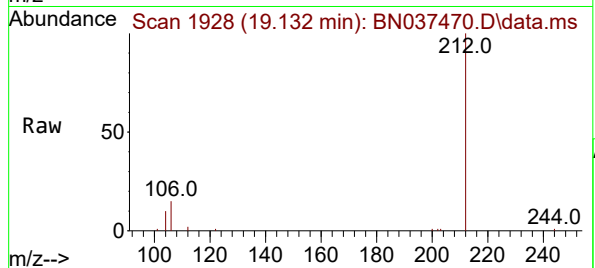
Tgt Ion:212 Resp: 6236

Ion Ratio Lower Upper

212 100

106 14.1 11.7 17.5

104 8.2 6.6 10.0



#28

Fluoranthene

Concen: 0.737 ng

RT: 19.164 min Scan# 1935

Delta R.T. -0.000 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

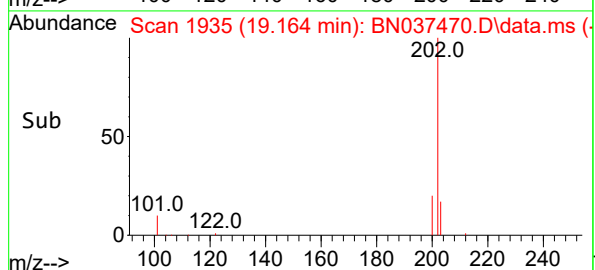
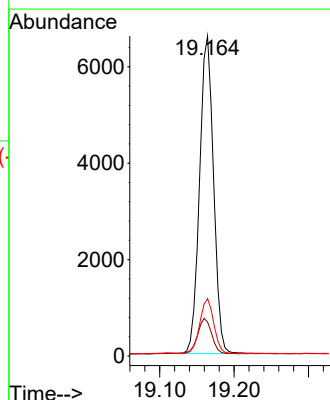
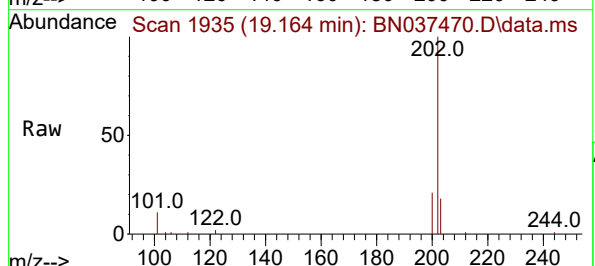
Tgt Ion:202 Resp: 8578

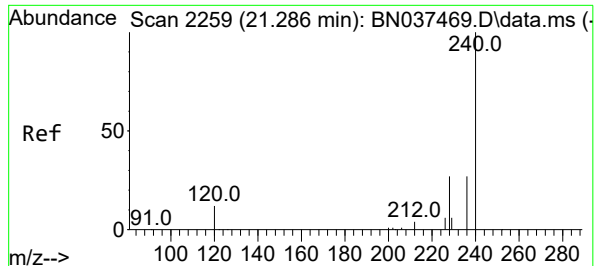
Ion Ratio Lower Upper

202 100

101 11.2 9.2 13.8

203 17.2 14.0 21.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

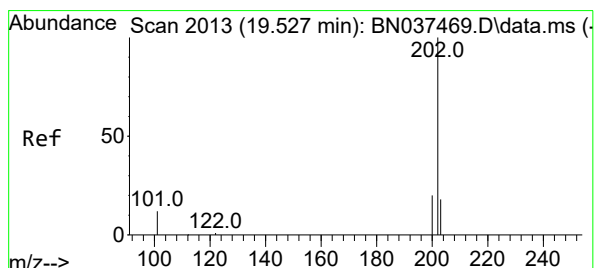
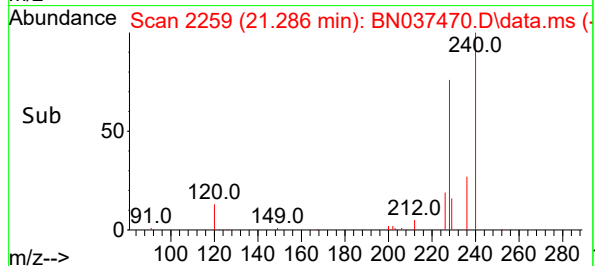
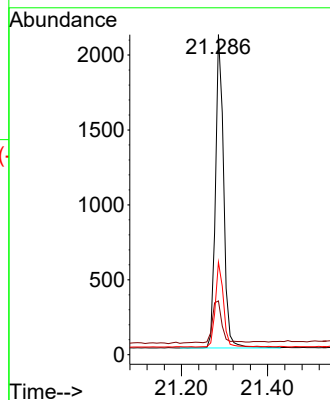
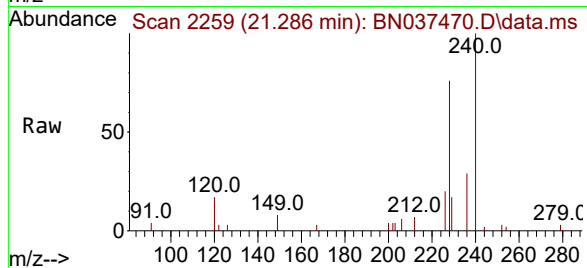
Tgt Ion:240 Resp: 2759

Ion Ratio Lower Upper

240 100

120 16.8 12.4 18.6

236 28.9 22.9 34.3



#30

Pyrene

Concen: 0.752 ng

RT: 19.527 min Scan# 2013

Delta R.T. -0.000 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

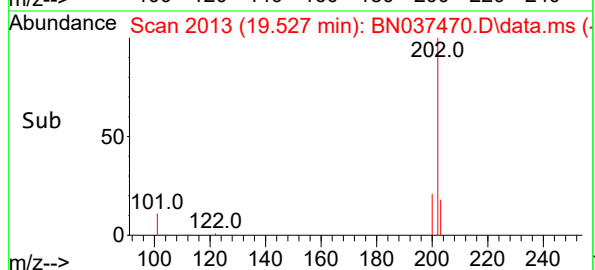
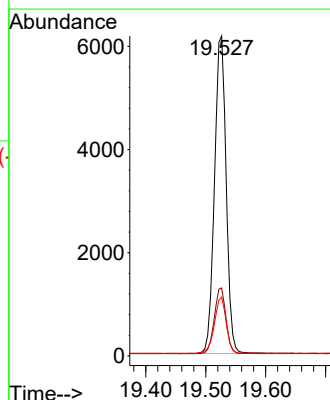
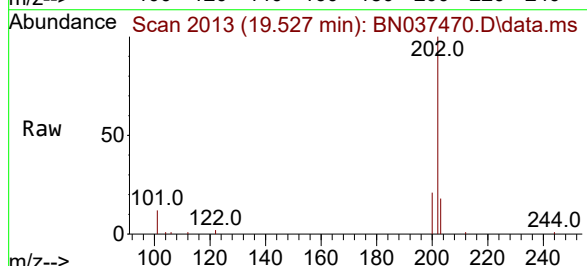
Tgt Ion:202 Resp: 8340

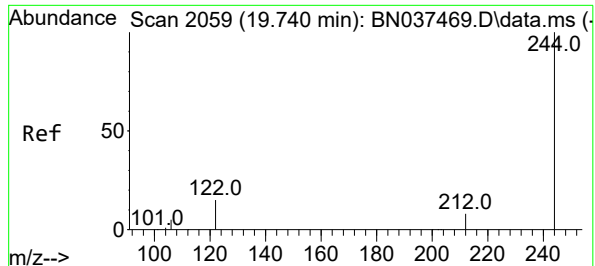
Ion Ratio Lower Upper

202 100

200 20.6 16.4 24.6

203 17.8 14.3 21.5

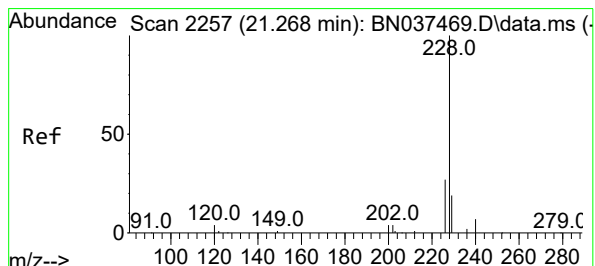
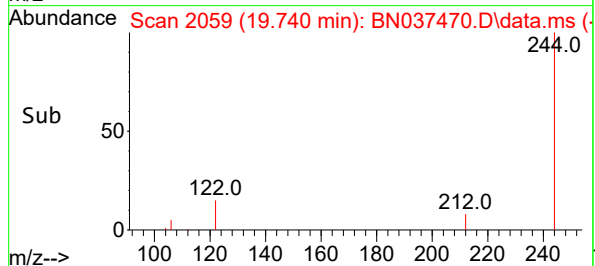
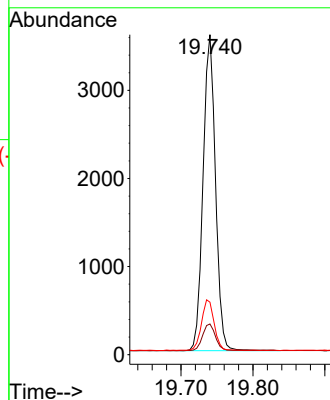
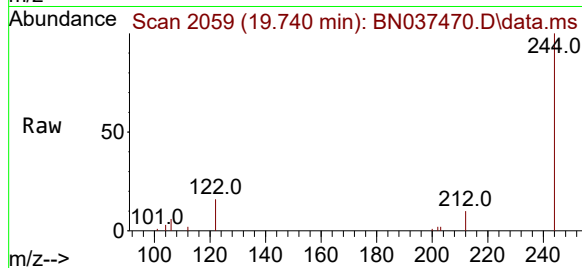




#31
Terphenyl-d14
Concen: 0.746 ng
RT: 19.740 min Scan# 2059
Delta R.T. -0.000 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

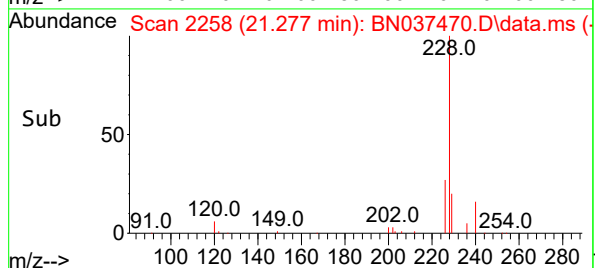
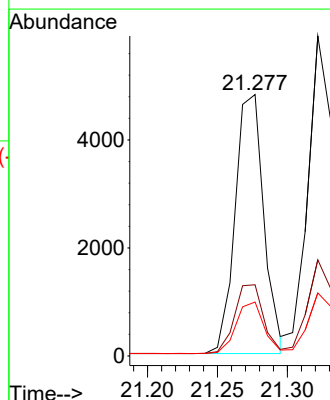
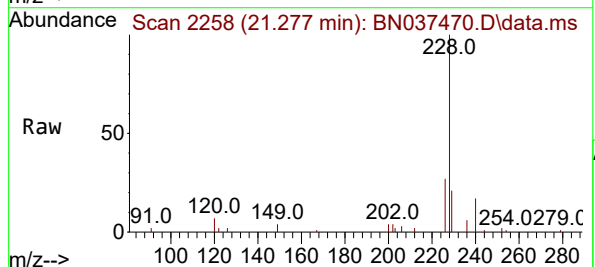
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

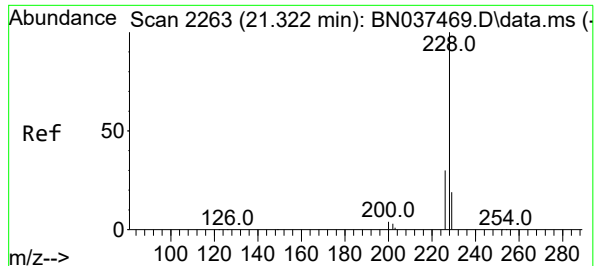
Tgt Ion:244 Resp: 4293
Ion Ratio Lower Upper
244 100
212 9.6 8.7 13.1
122 16.4 14.1 21.1



#32
Benzo(a)anthracene
Concen: 0.732 ng
RT: 21.277 min Scan# 2258
Delta R.T. 0.009 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

Tgt Ion:228 Resp: 6842
Ion Ratio Lower Upper
228 100
226 27.2 22.7 34.1
229 20.6 16.6 24.8





#33

Chrysene

Concen: 0.763 ng

RT: 21.322 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

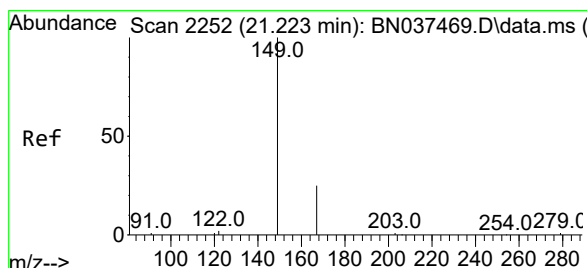
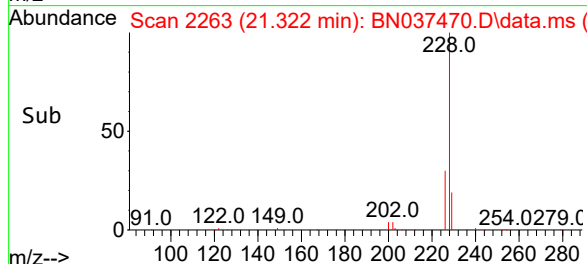
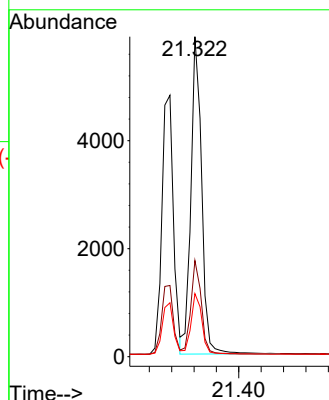
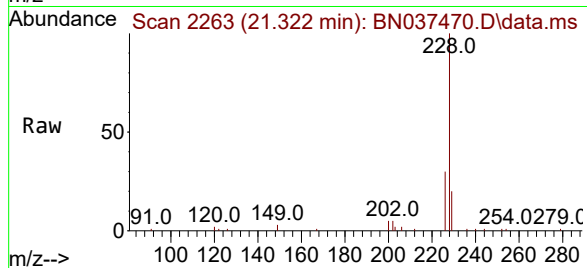
Tgt Ion:228 Resp: 7796

Ion Ratio Lower Upper

228 100

226 30.1 24.6 36.8

229 19.7 16.4 24.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.728 ng

RT: 21.232 min Scan# 2253

Delta R.T. 0.009 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

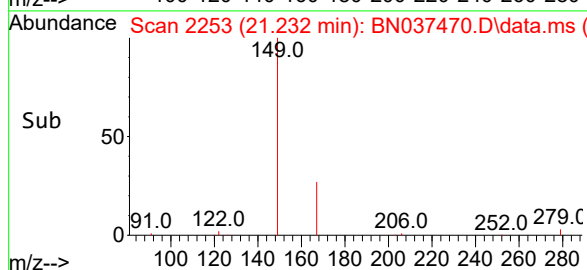
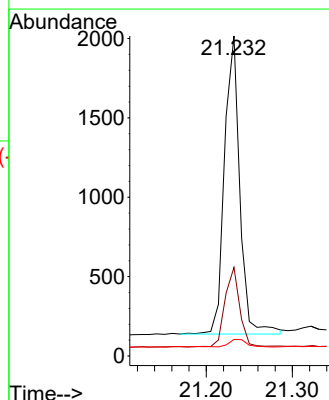
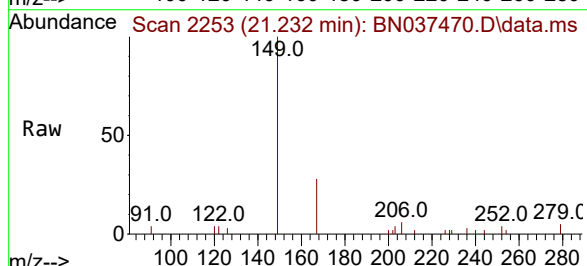
Tgt Ion:149 Resp: 2313

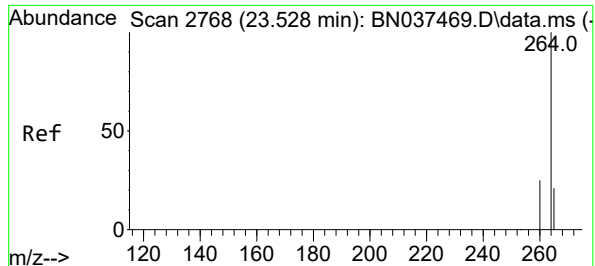
Ion Ratio Lower Upper

149 100

167 25.4 19.4 29.2

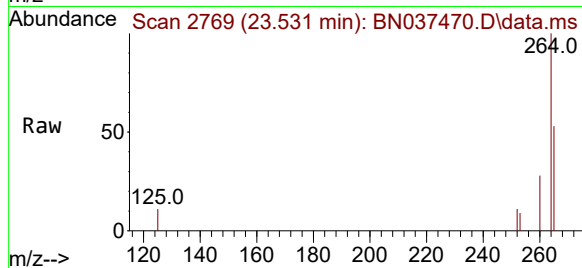
279 3.0 2.5 3.7



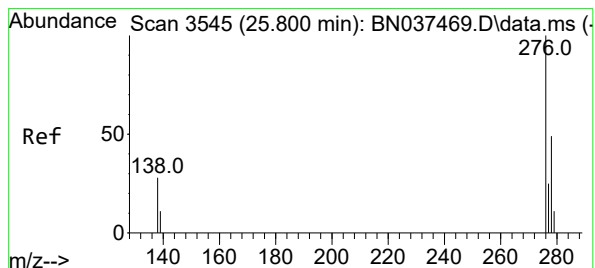
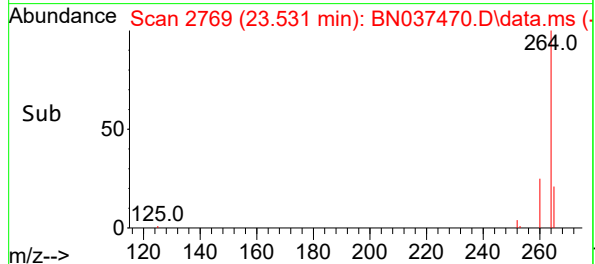
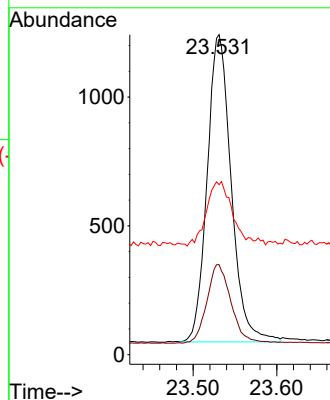


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.531 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

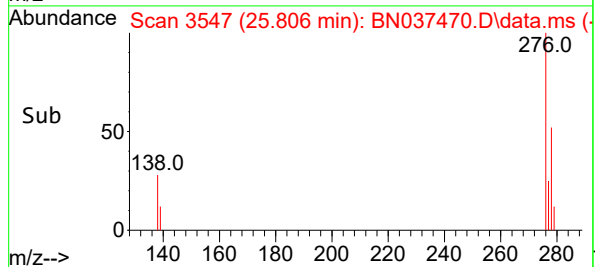
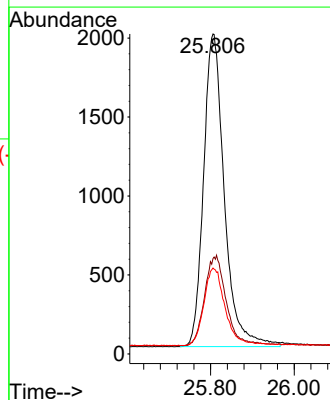
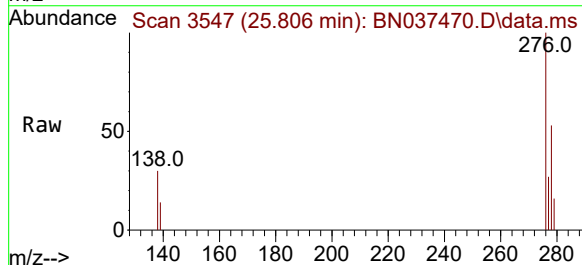


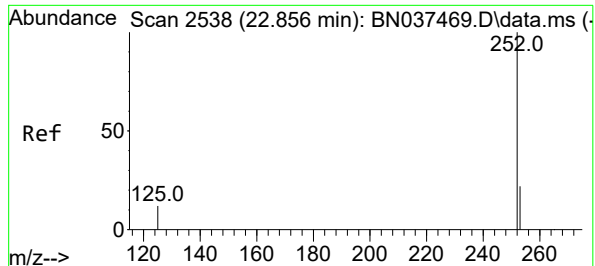
Tgt Ion:264 Resp: 2383
Ion Ratio Lower Upper
264 100
260 28.2 21.7 32.5
265 53.1 41.6 62.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.739 ng
RT: 25.806 min Scan# 3547
Delta R.T. 0.006 min
Lab File: BN037470.D
Acq: 11 Jul 2025 12:59

Tgt Ion:276 Resp: 6834
Ion Ratio Lower Upper
276 100
138 30.1 23.4 35.2
277 24.9 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 0.750 ng

RT: 22.858 min Scan# 2538

Delta R.T. 0.003 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

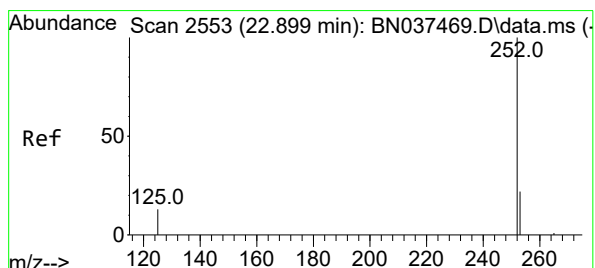
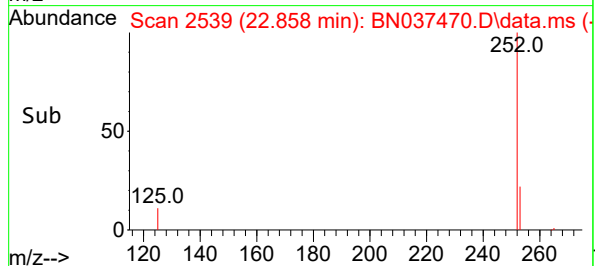
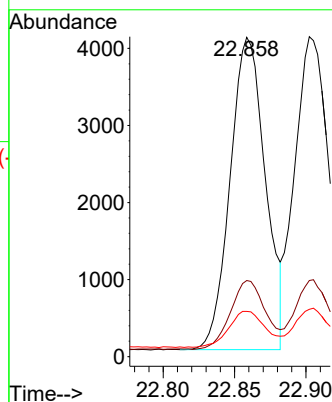
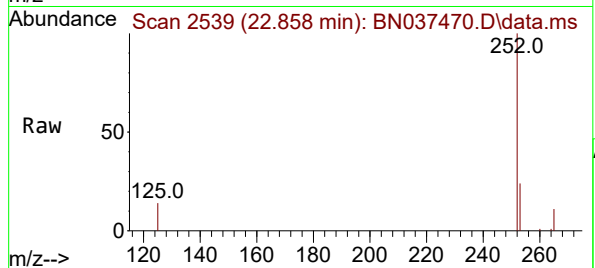
Tgt Ion:252 Resp: 6954

Ion Ratio Lower Upper

252 100

253 23.8 20.1 30.1

125 14.2 13.7 20.5



#38

Benzo(k)fluoranthene

Concen: 0.763 ng

RT: 22.902 min Scan# 2554

Delta R.T. 0.003 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

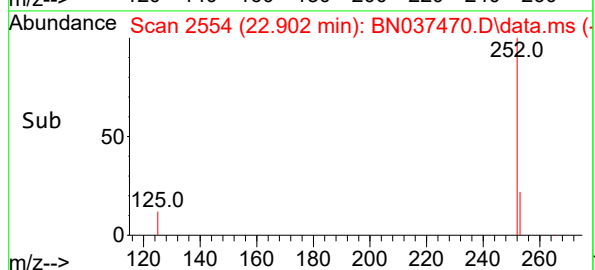
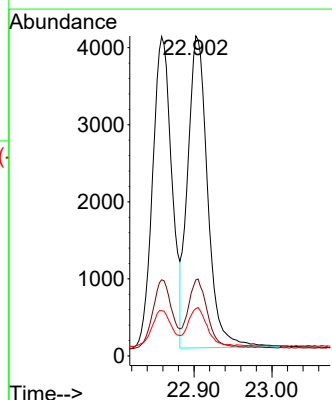
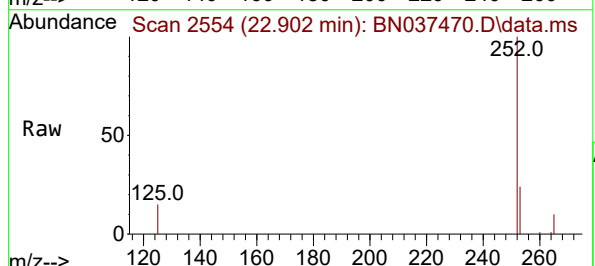
Tgt Ion:252 Resp: 7171

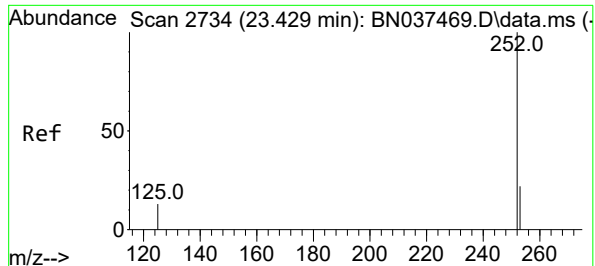
Ion Ratio Lower Upper

252 100

253 23.8 20.4 30.6

125 14.8 14.6 21.8





#39

Benzo(a)pyrene

Concen: 0.743 ng

RT: 23.434 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN037470.D

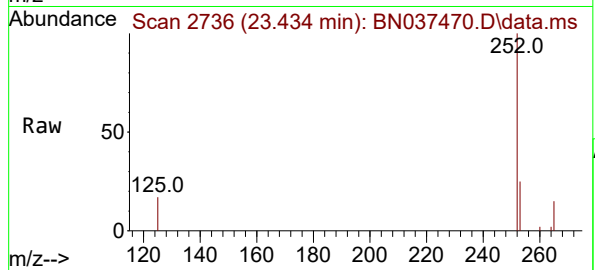
Acq: 11 Jul 2025 12:59

Instrument :

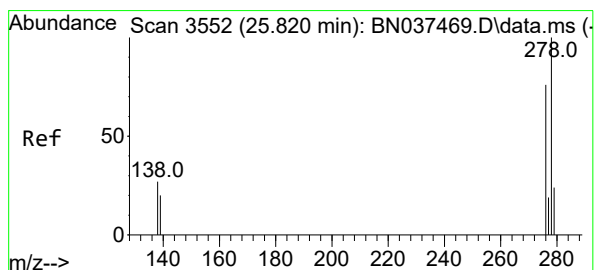
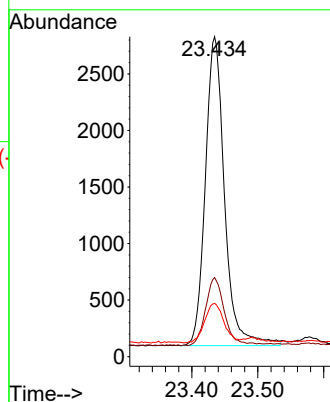
BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:	252	Resp:	5538
Ion Ratio	Lower	Upper	
252	100		
253	24.7	21.8	32.6
125	16.6	16.7	25.1



#40

Dibenzo(a,h)anthracene

Concen: 0.736 ng

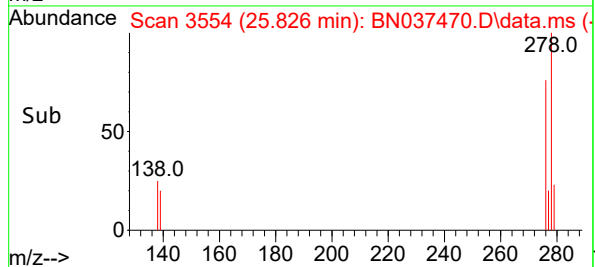
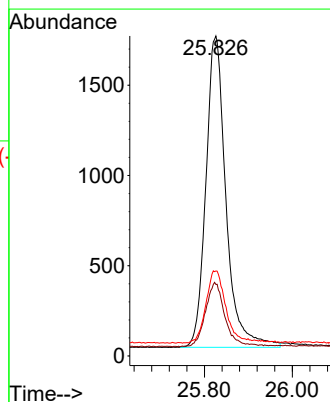
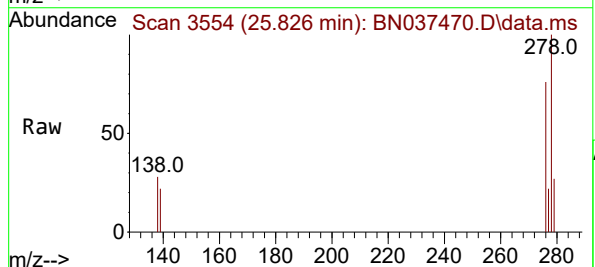
RT: 25.826 min Scan# 3554

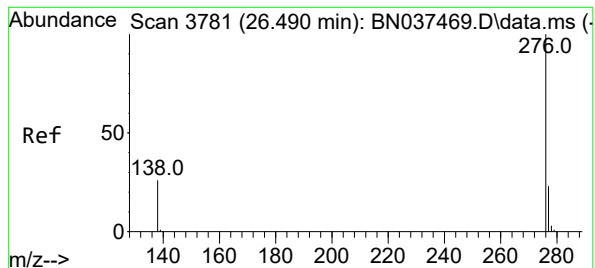
Delta R.T. 0.006 min

Lab File: BN037470.D

Acq: 11 Jul 2025 12:59

Tgt Ion:	278	Resp:	5490
Ion Ratio	Lower	Upper	
278	100		
139	22.3	19.9	29.9
279	26.6	24.8	37.2





#41

Benzo(g,h,i)perylene

Concen: 0.747 ng

RT: 26.493 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN037470.D

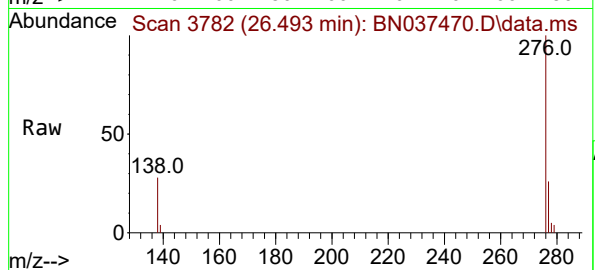
Acq: 11 Jul 2025 12:59

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



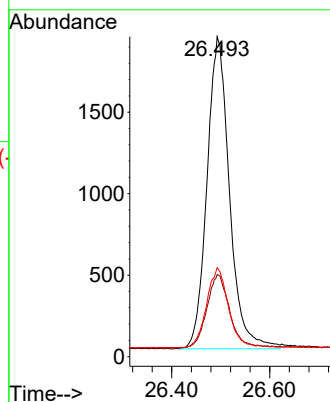
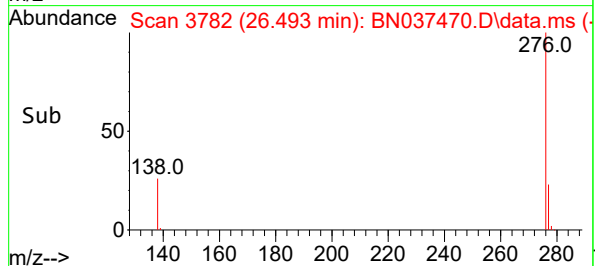
Tgt Ion:276 Resp: 6107

Ion Ratio Lower Upper

276 100

277 25.6 21.7 32.5

138 27.8 24.3 36.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
 Data File : BN037471.D
 Acq On : 11 Jul 2025 13:36
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Jul 11 15:27:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:17:19 2025
 Response via : Initial Calibration

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

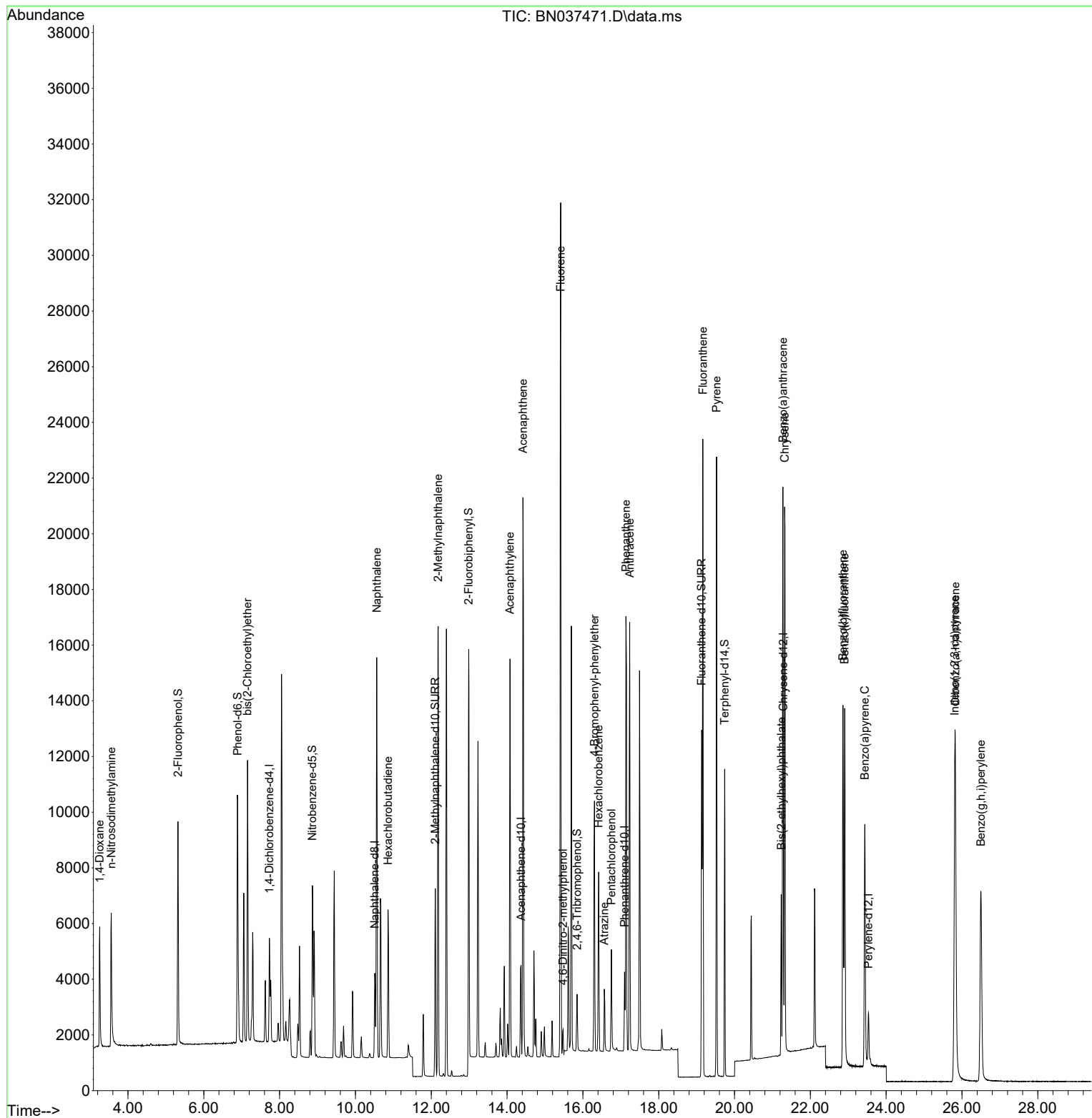
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.731	152	1742	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	4072	0.400	ng	0.00
13) Acenaphthene-d10	14.366	164	1984	0.400	ng	0.00
19) Phenanthrene-d10	17.099	188	3525	0.400	ng	0.00
29) Chrysene-d12	21.286	240	2965	0.400	ng	# 0.00
35) Perylene-d12	23.534	264	2463	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	6460	1.593	ng	0.00
5) Phenol-d6	6.894	99	8071	1.582	ng	0.00
8) Nitrobenzene-d5	8.864	82	4816	1.629	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	8642	1.561	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	1094	1.626	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	18395	1.624	ng	0.00
27) Fluoranthene-d10	19.132	212	13833	1.556	ng	0.00
31) Terphenyl-d14	19.740	244	9911	1.602	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.254	88	2757	1.685	ng	97
3) n-Nitrosodimethylamine	3.557	42	3665	1.676	ng	98
6) bis(2-Chloroethyl)ether	7.154	93	6993	1.638	ng	100
9) Naphthalene	10.562	128	17848	1.631	ng	97
10) Hexachlorobutadiene	10.861	225	4329	1.647	ng	# 99
12) 2-Methylnaphthalene	12.182	142	11263	1.644	ng	99
16) Acenaphthylene	14.077	152	14926	1.650	ng	99
17) Acenaphthene	14.419	154	10002	1.648	ng	99
18) Fluorene	15.414	166	12742	1.671	ng	99
20) 4,6-Dinitro-2-methylph...	15.478	198	710	1.792	ng	# 58
21) 4-Bromophenyl-phenylether	16.304	248	3572	1.624	ng	95
22) Hexachlorobenzene	16.416	284	4981	1.642	ng	99
23) Atrazine	16.565	200	1876	1.715	ng	91
24) Pentachlorophenol	16.751	266	1682	1.610	ng	98
25) Phenanthrene	17.136	178	17507	1.631	ng	100
26) Anthracene	17.235	178	15953	1.647	ng	100
28) Fluoranthene	19.164	202	19585	1.663	ng	99
30) Pyrene	19.526	202	19037	1.597	ng	100
32) Benzo(a)anthracene	21.277	228	16533	1.647	ng	97
33) Chrysene	21.321	228	17469	1.592	ng	99
34) Bis(2-ethylhexyl)phtha...	21.232	149	5207	1.525	ng	98
36) Indeno(1,2,3-cd)pyrene	25.808	276	16302	1.705	ng	99
37) Benzo(b)fluoranthene	22.861	252	16437	1.716	ng	# 92
38) Benzo(k)fluoranthene	22.905	252	16488	1.698	ng	# 92
39) Benzo(a)pyrene	23.437	252	13051	1.693	ng	# 89
40) Dibenzo(a,h)anthracene	25.826	278	13217	1.714	ng	90
41) Benzo(g,h,i)perylene	26.498	276	14207	1.682	ng	93

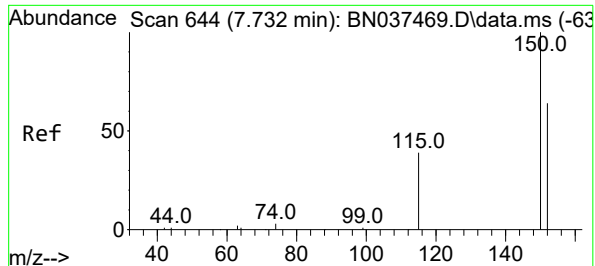
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
Data File : BN037471.D
Acq On : 11 Jul 2025 13:36
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Jul 11 15:27:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:17:19 2025
Response via : Initial Calibration

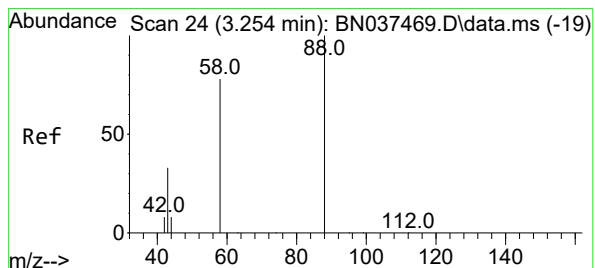
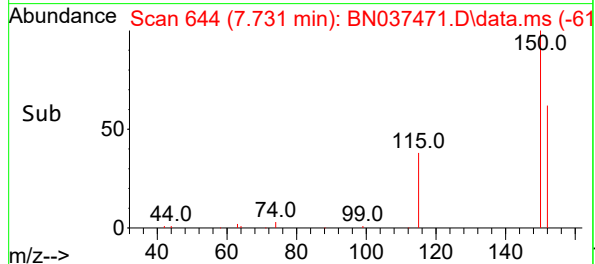
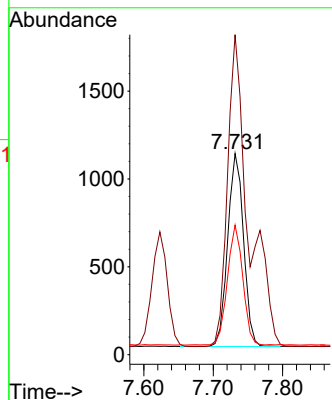
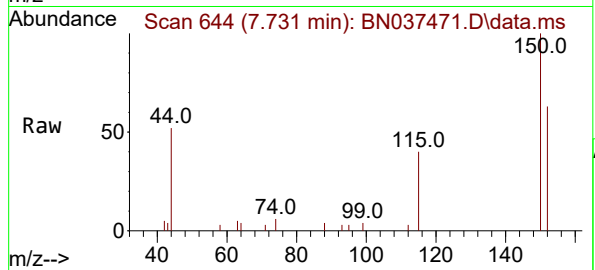




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.731 min Scan# 64
Delta R.T. -0.001 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

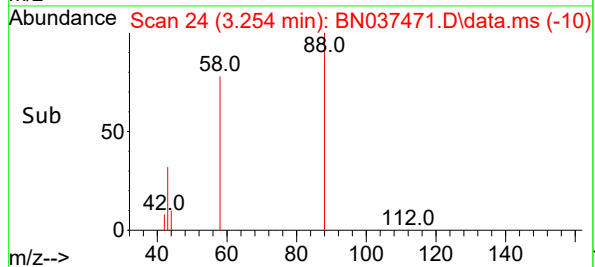
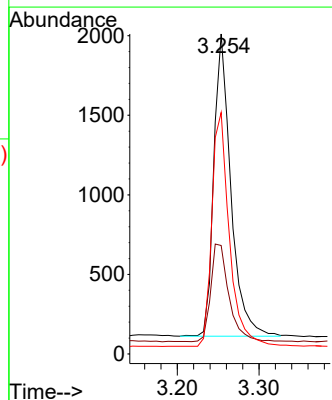
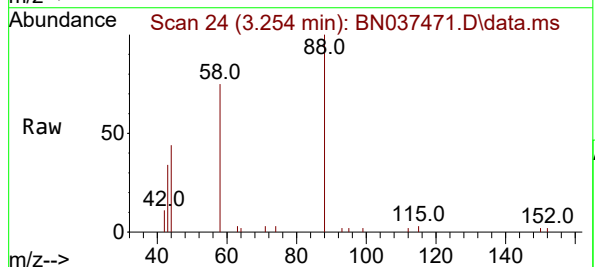
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

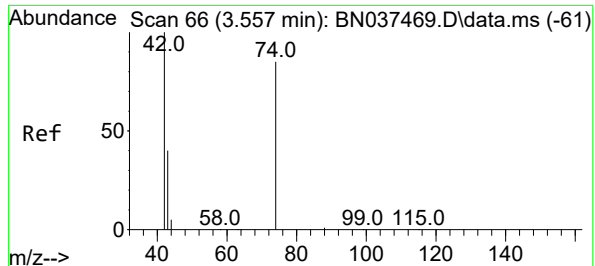
Tgt Ion:152 Resp: 1742
Ion Ratio Lower Upper
152 100
150 159.2 122.5 183.7
115 64.4 49.9 74.9



#2
1,4-Dioxane
Concen: 1.685 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

Tgt Ion: 88 Resp: 2757
Ion Ratio Lower Upper
88 100
43 34.6 30.7 46.1
58 79.3 65.0 97.4

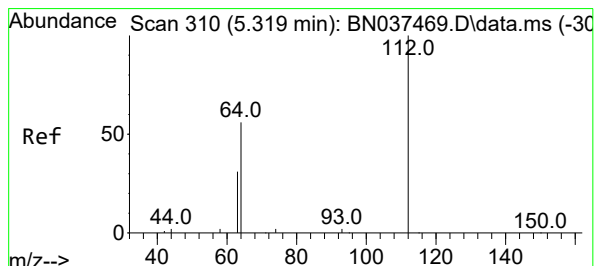
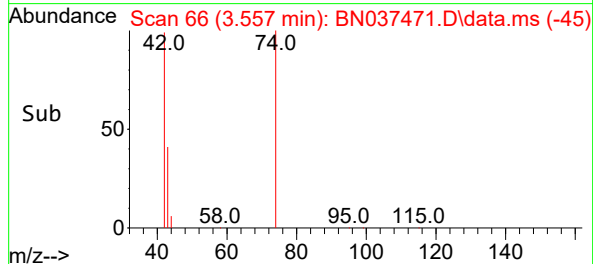
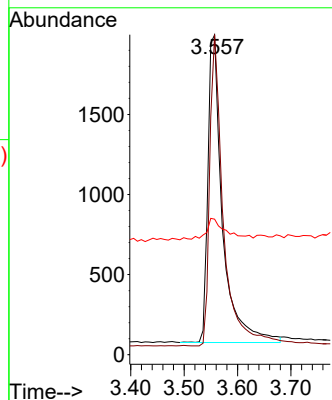
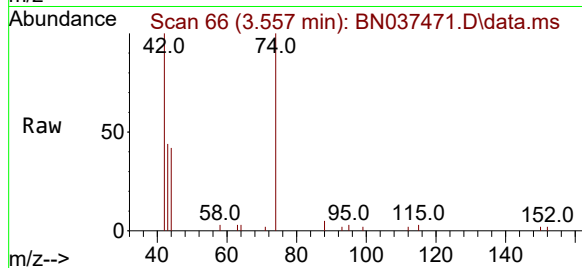




#3
n-Nitrosodimethylamine
Concen: 1.676 ng
RT: 3.557 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

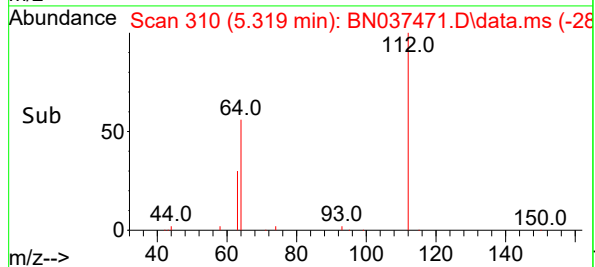
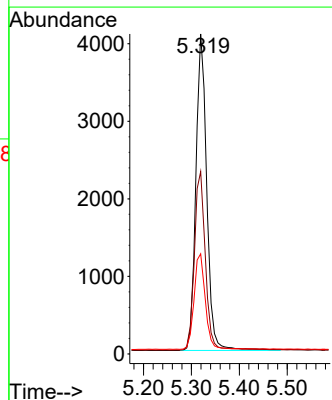
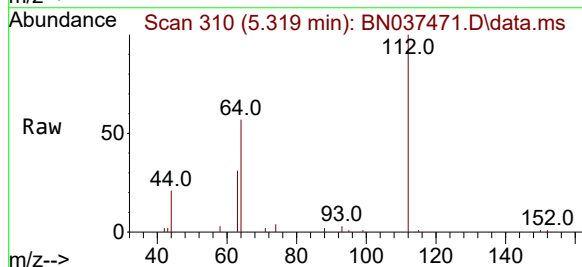
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

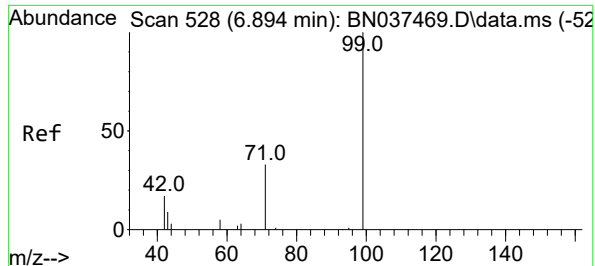
Tgt Ion: 42 Resp: 3665
Ion Ratio Lower Upper
42 100
74 95.2 74.9 112.3
44 9.7 7.2 10.8



#4
2-Fluorophenol
Concen: 1.593 ng
RT: 5.319 min Scan# 310
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

Tgt Ion: 112 Resp: 6460
Ion Ratio Lower Upper
112 100
64 57.3 45.4 68.0
63 31.4 24.7 37.1

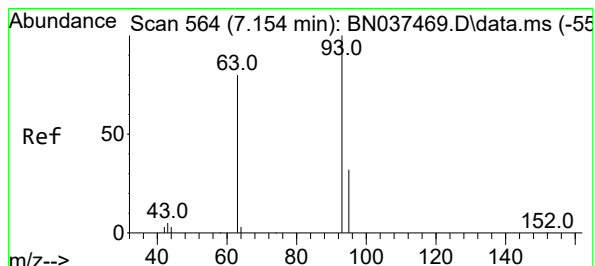
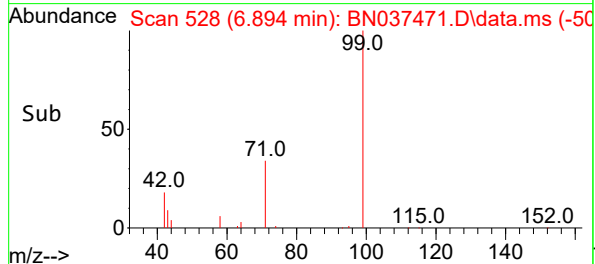
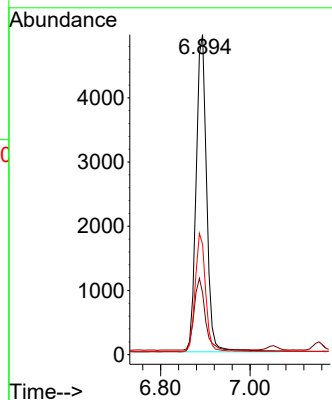
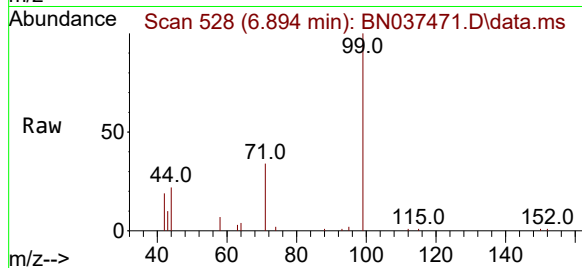




#5
Phenol-d6
Concen: 1.582 ng
RT: 6.894 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

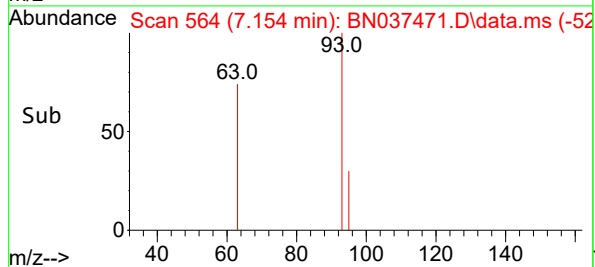
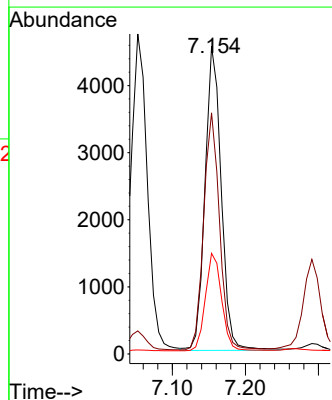
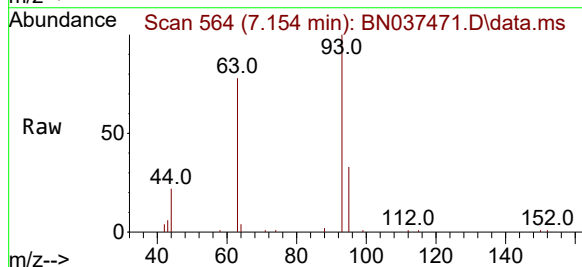
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

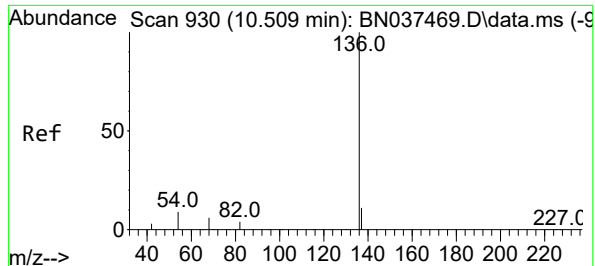
Tgt Ion	Ratio	Lower	Upper
99	100		
42	23.9	19.5	29.3
71	37.2	29.4	44.2



#6
bis(2-Chloroethyl)ether
Concen: 1.638 ng
RT: 7.154 min Scan# 564
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

Tgt Ion	Ratio	Lower	Upper
93	100		
63	75.9	60.8	91.2
95	32.0	25.6	38.4

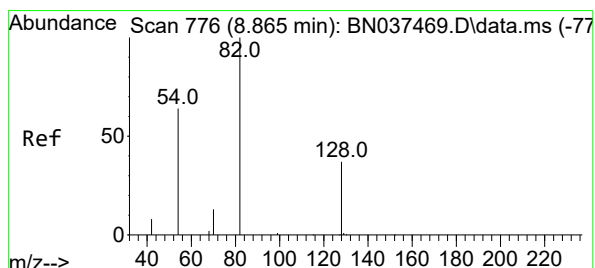
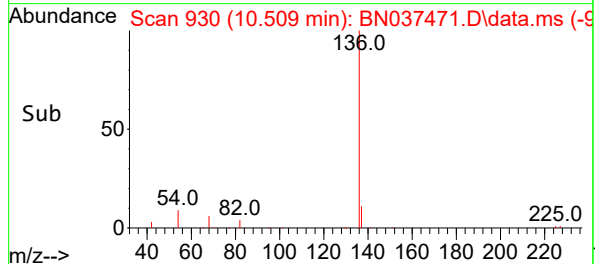
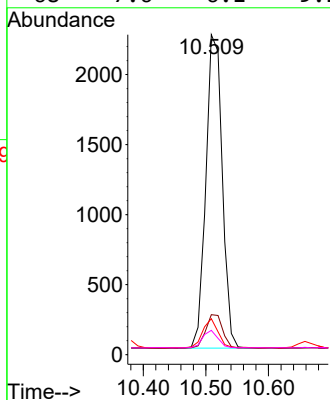
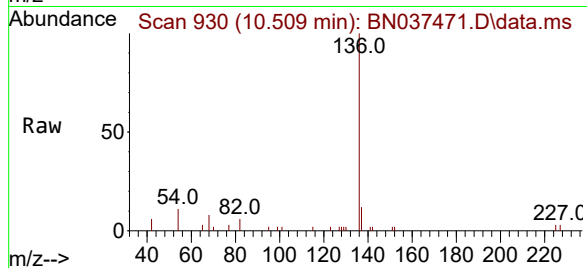




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

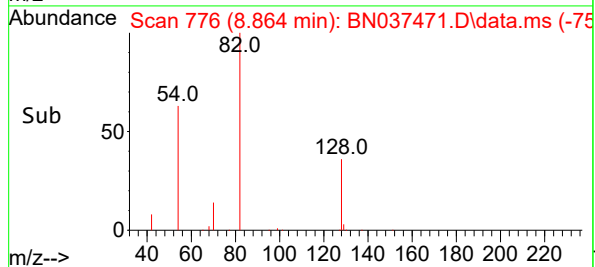
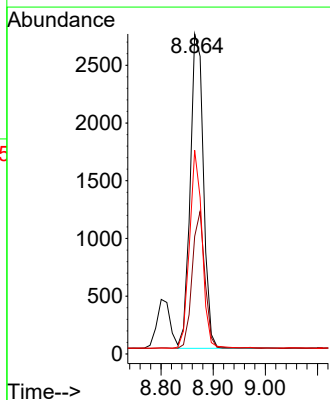
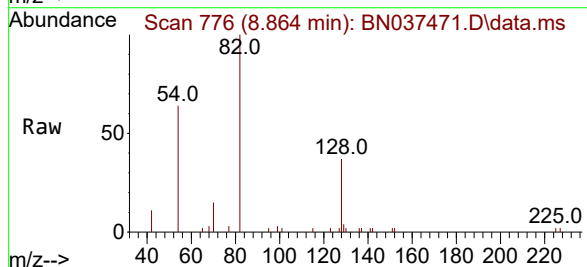
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

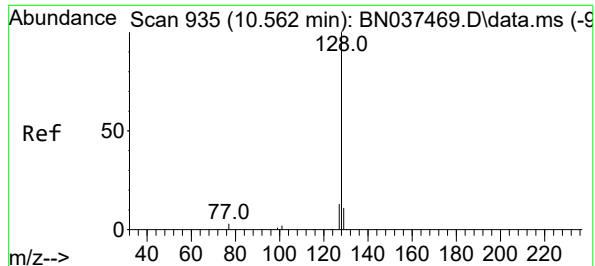
Tgt Ion:	136	Resp:	4072
Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.0	15.0
54	11.2	9.0	13.6
68	7.6	6.1	9.1



#8
Nitrobenzene-d5
Concen: 1.629 ng
RT: 8.864 min Scan# 776
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

Tgt Ion:	82	Resp:	4816
Ion	Ratio	Lower	Upper
82	100		
128	36.8	33.1	49.7
54	63.7	53.0	79.4





#9

Naphthalene

Concen: 1.631 ng

RT: 10.562 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

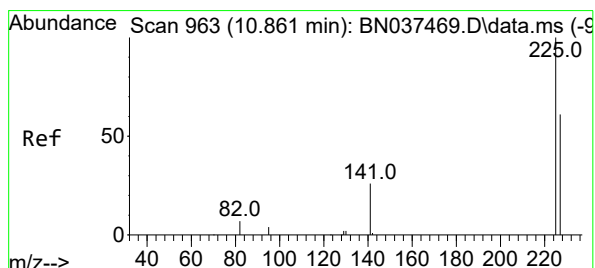
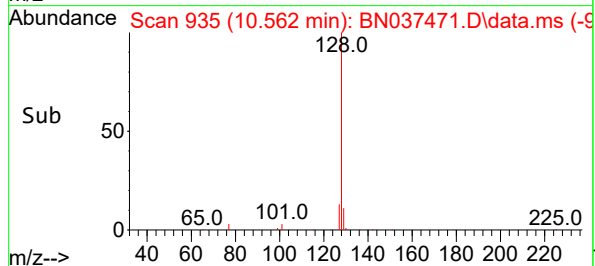
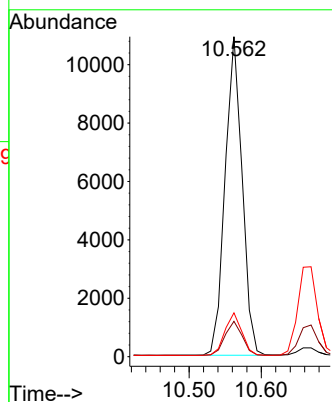
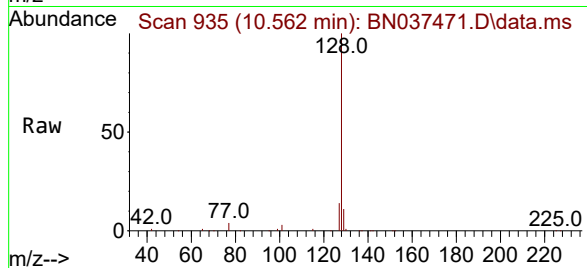
Tgt Ion:128 Resp: 17848

Ion Ratio Lower Upper

128 100

129 11.1 10.2 15.2

127 13.7 11.8 17.6



#10

Hexachlorobutadiene

Concen: 1.647 ng

RT: 10.861 min Scan# 963

Delta R.T. -0.000 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

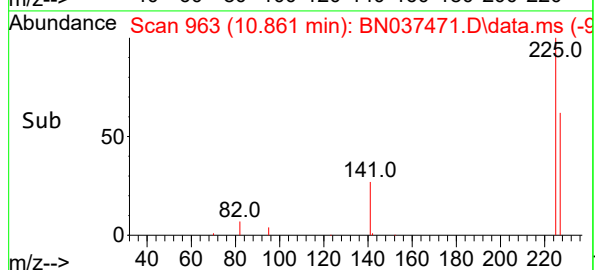
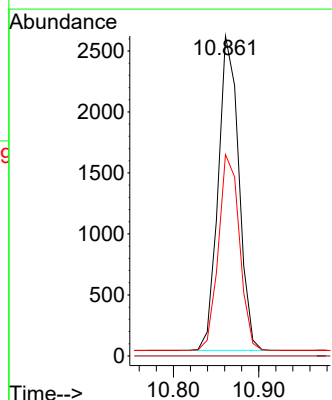
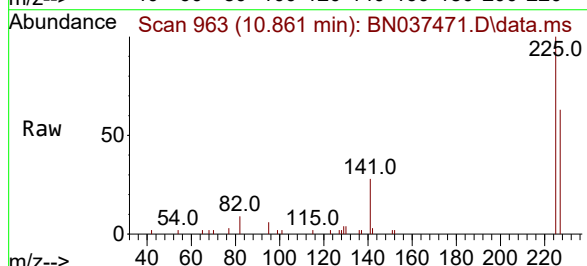
Tgt Ion:225 Resp: 4329

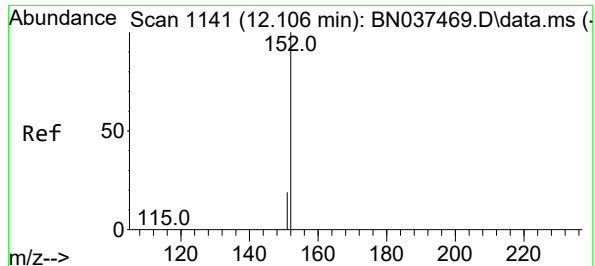
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.5 51.4 77.2

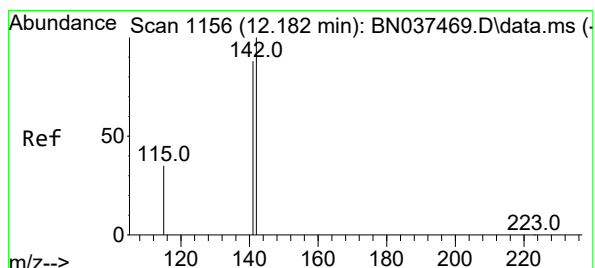
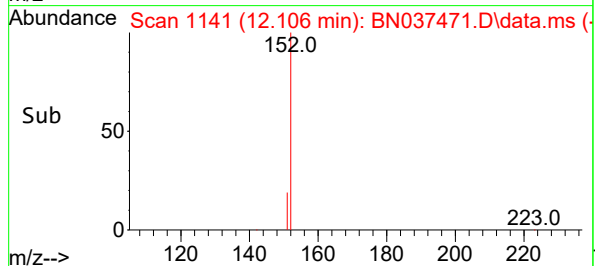
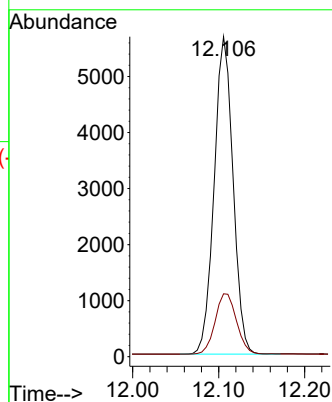
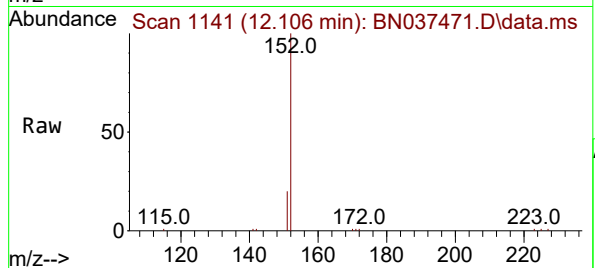




#11
2-Methylnaphthalene-d10
Concen: 1.561 ng
RT: 12.106 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

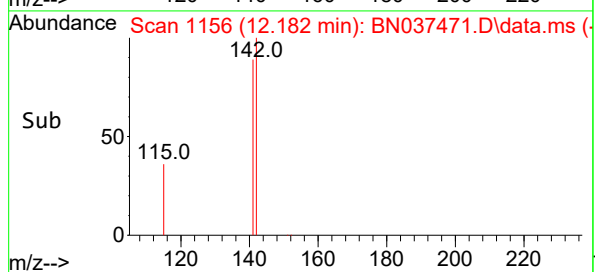
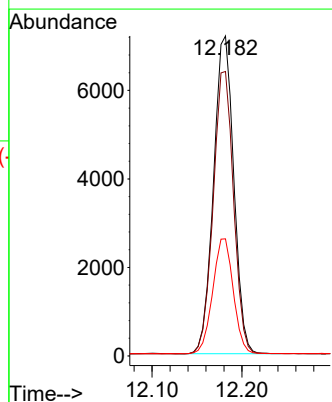
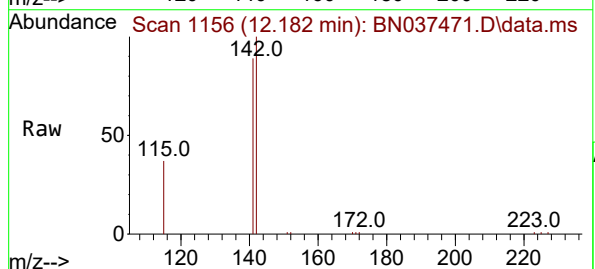
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

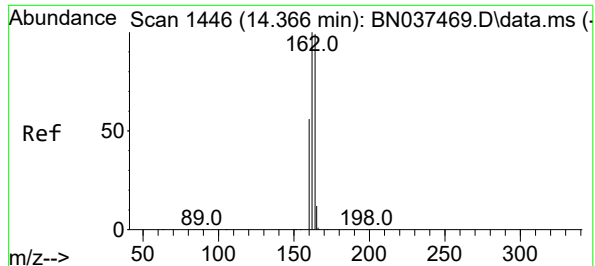
Tgt Ion:152 Resp: 8642
Ion Ratio Lower Upper
152 100
151 21.5 17.0 25.6



#12
2-Methylnaphthalene
Concen: 1.644 ng
RT: 12.182 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

Tgt Ion:142 Resp: 11263
Ion Ratio Lower Upper
142 100
141 88.9 70.6 105.8
115 36.6 30.0 45.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.366 min Scan# 1446

Delta R.T. -0.000 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

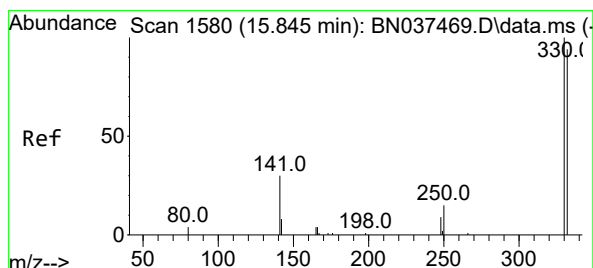
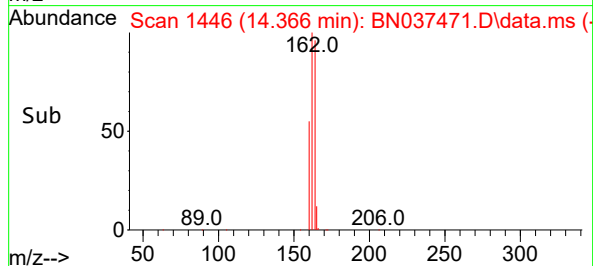
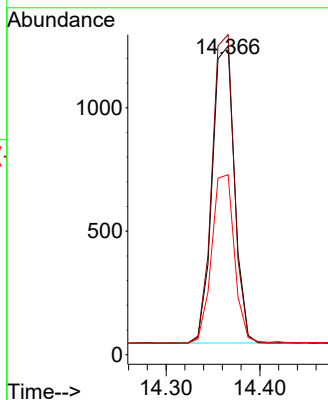
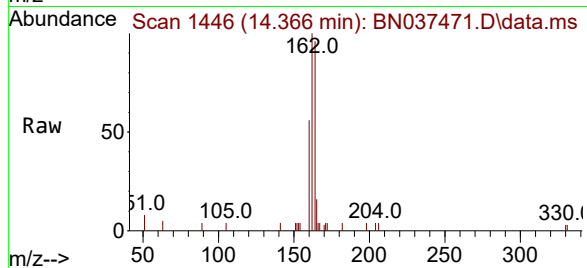
Tgt Ion:164 Resp: 1984

Ion	Ratio	Lower	Upper

164	100		

162	103.7	81.1	121.7

160	58.3	46.5	69.7



#14

2,4,6-Tribromophenol

Concen: 1.626 ng

RT: 15.845 min Scan# 1580

Delta R.T. -0.000 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

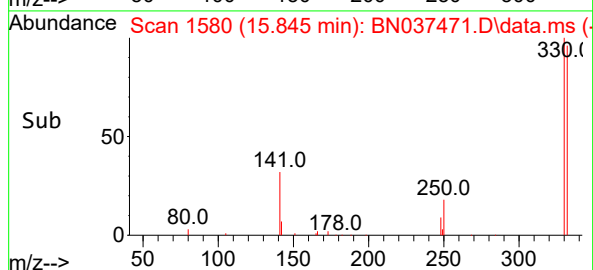
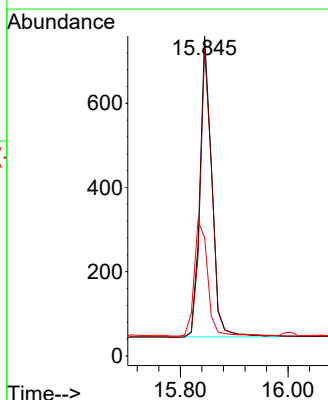
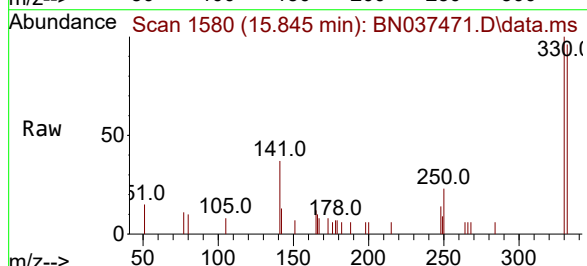
Tgt Ion:330 Resp: 1094

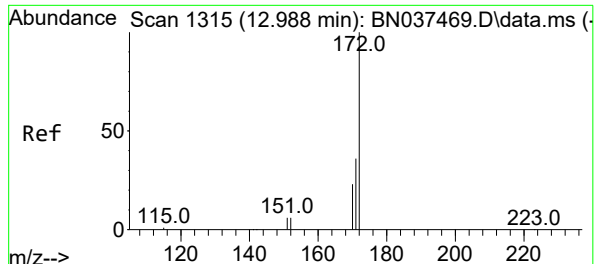
Ion	Ratio	Lower	Upper

330	100		

332	97.7	82.0	123.0

141	43.9	36.2	54.2





#15

2-Fluorobiphenyl

Concen: 1.624 ng

RT: 12.988 min Scan# 1315

Delta R.T. -0.000 min

Lab File: BN037471.D

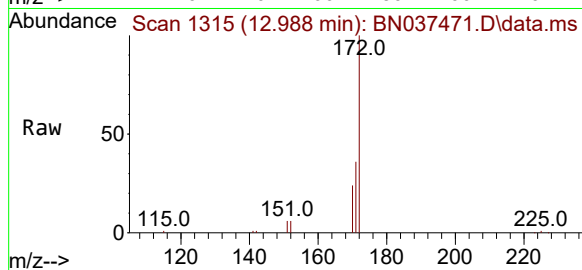
Acq: 11 Jul 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



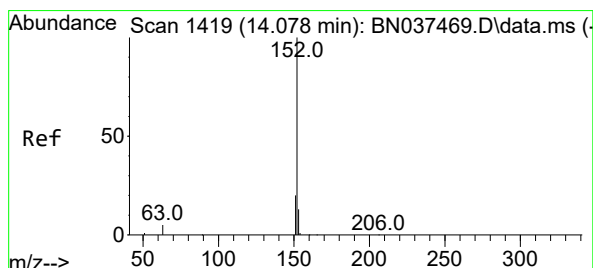
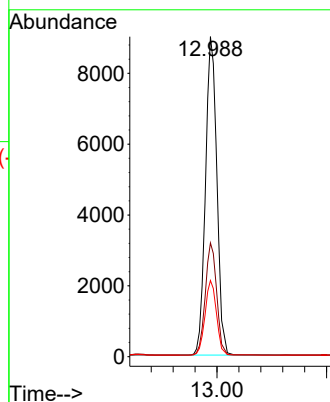
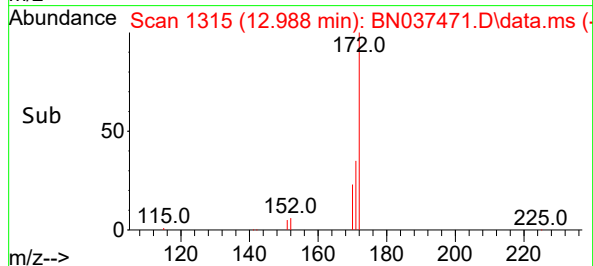
Tgt Ion:172 Resp: 18395

Ion Ratio Lower Upper

172 100

171 35.5 29.8 44.8

170 23.8 20.0 30.0



#16

Acenaphthylene

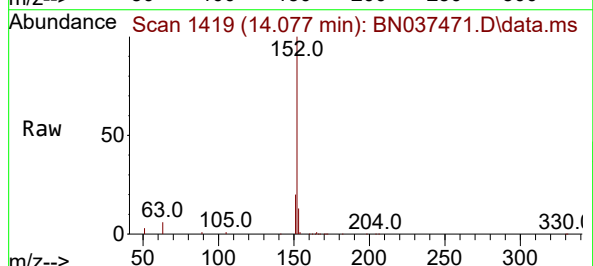
Concen: 1.650 ng

RT: 14.077 min Scan# 1419

Delta R.T. -0.000 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36



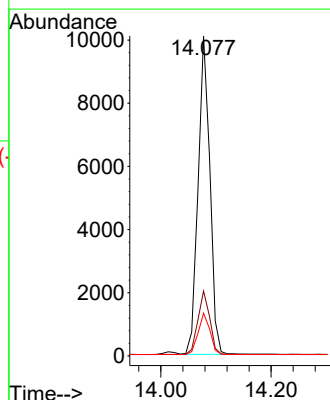
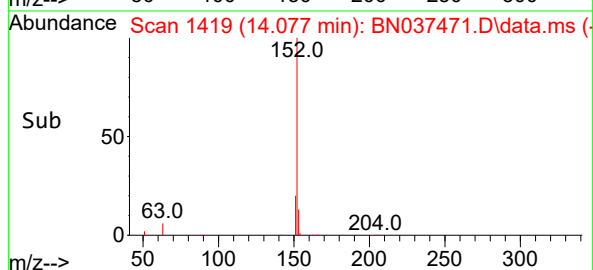
Tgt Ion:152 Resp: 14926

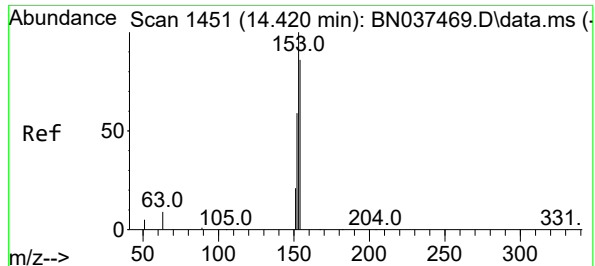
Ion Ratio Lower Upper

152 100

151 20.0 16.4 24.6

153 12.9 10.6 15.8





#17

Acenaphthene

Concen: 1.648 ng

RT: 14.419 min Scan# 1451

Delta R.T. -0.000 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

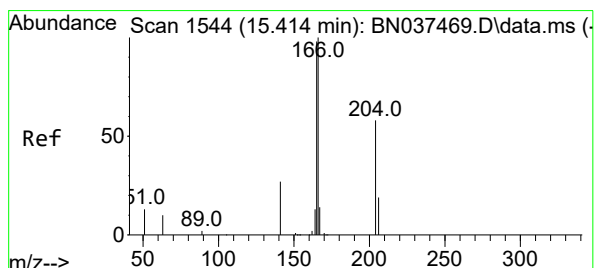
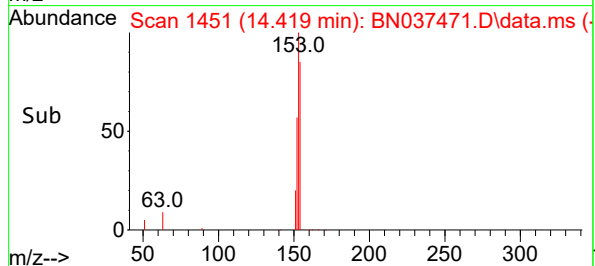
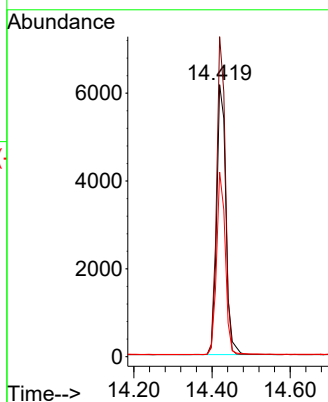
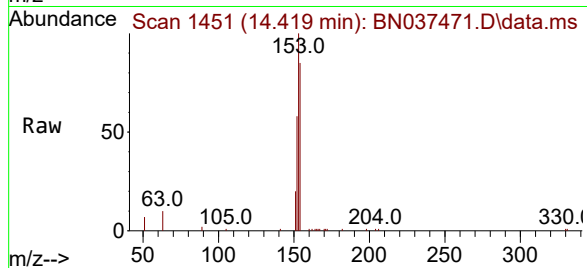
Tgt Ion:154 Resp: 10002

Ion Ratio Lower Upper

154 100

153 111.6 89.4 134.0

152 64.5 53.2 79.8



#18

Fluorene

Concen: 1.671 ng

RT: 15.414 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

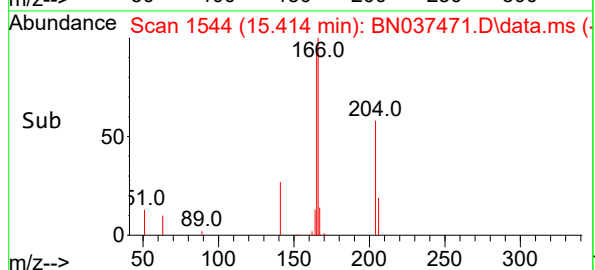
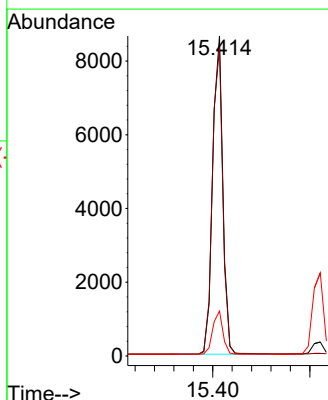
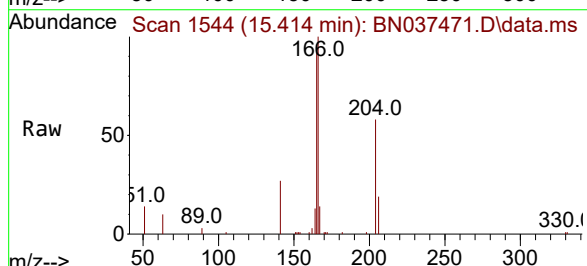
Tgt Ion:166 Resp: 12742

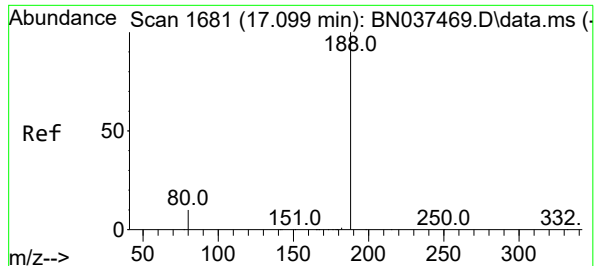
Ion Ratio Lower Upper

166 100

165 98.4 79.4 119.2

167 13.2 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

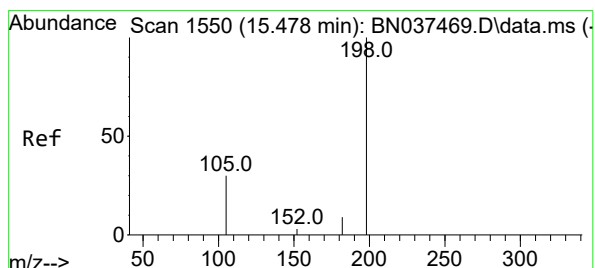
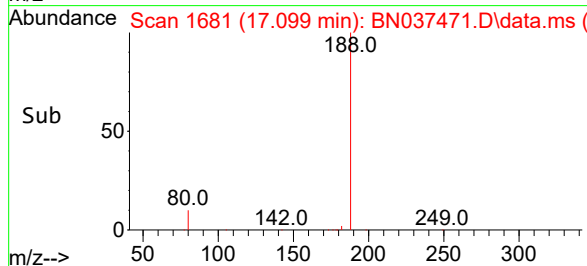
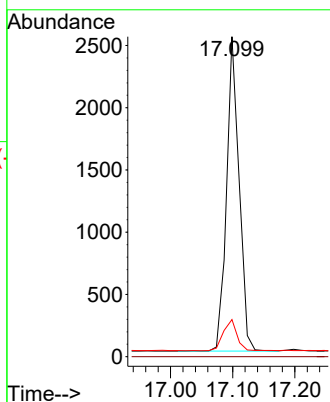
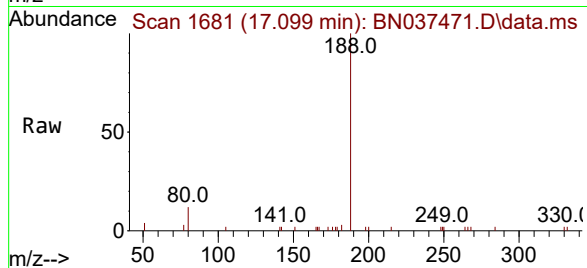
Tgt Ion:188 Resp: 3525

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.6 9.3 13.9



#20

4,6-Dinitro-2-methylphenol

Concen: 1.792 ng

RT: 15.478 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

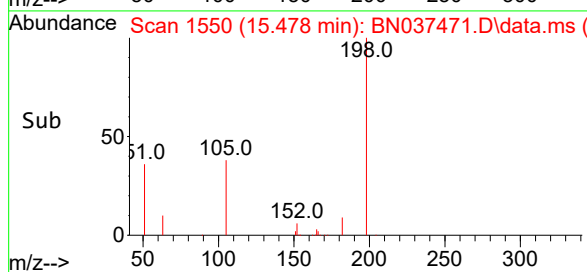
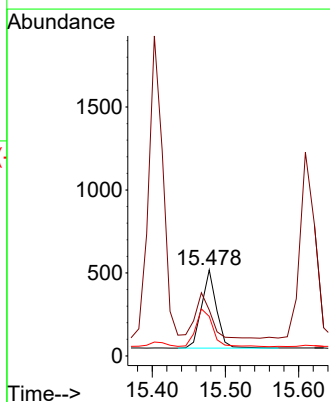
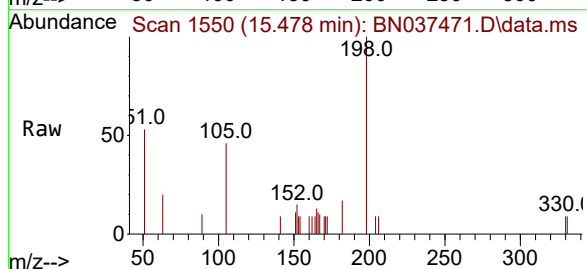
Tgt Ion:198 Resp: 710

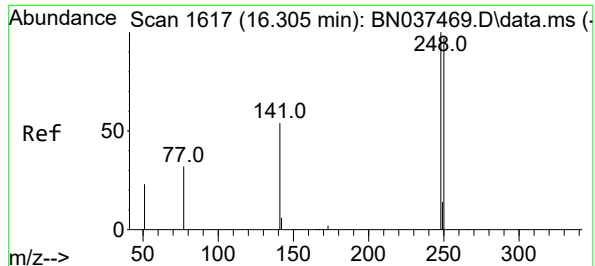
Ion Ratio Lower Upper

198 100

51 53.4 86.0 129.0#

105 45.9 53.0 79.4#

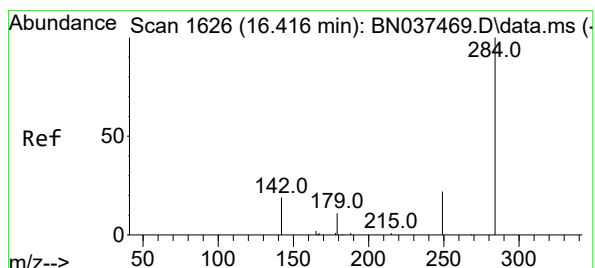
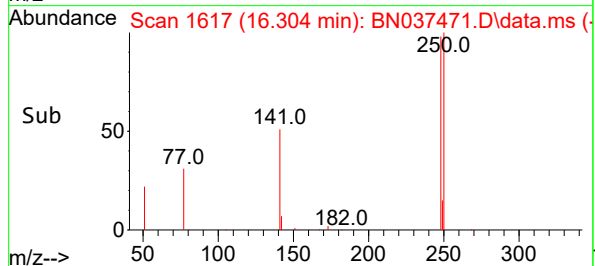
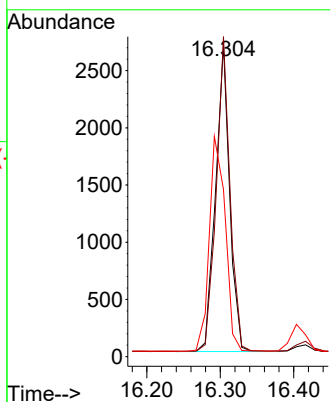
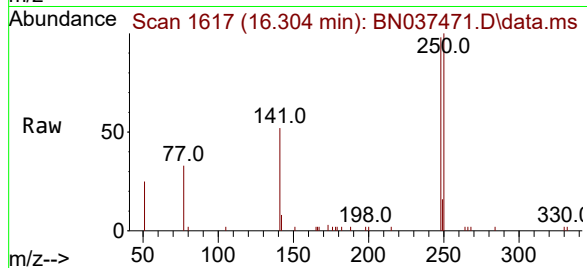




#21
4-Bromophenyl-phenylether
Concen: 1.624 ng
RT: 16.304 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

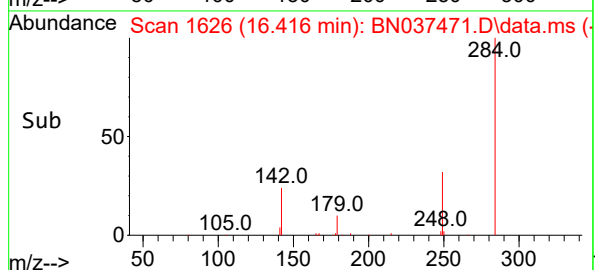
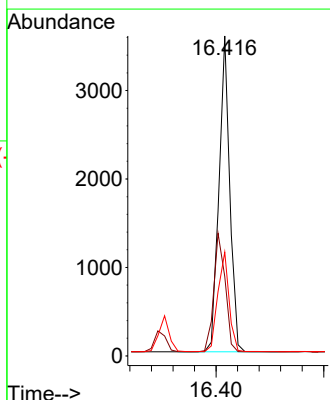
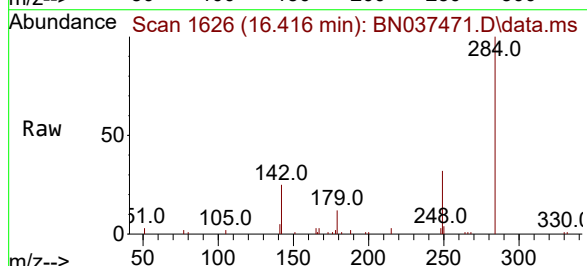
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

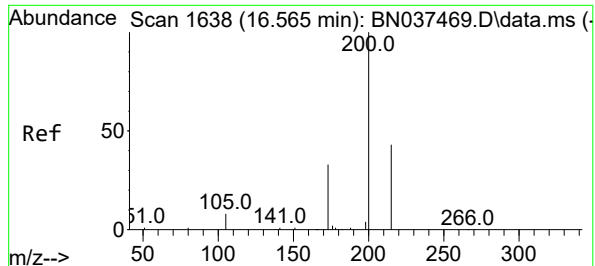
Tgt Ion	Ratio	Lower	Upper
248	100		
250	102.4	77.8	116.6
141	53.5	45.9	68.9



#22
Hexachlorobenzene
Concen: 1.642 ng
RT: 16.416 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.6	31.3	46.9
249	33.1	26.6	40.0

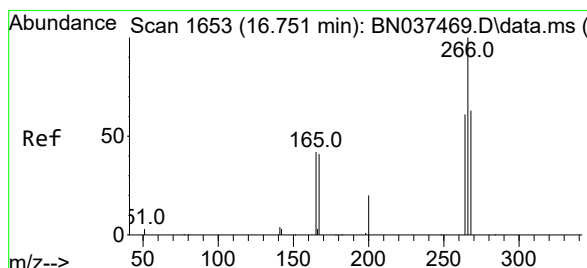
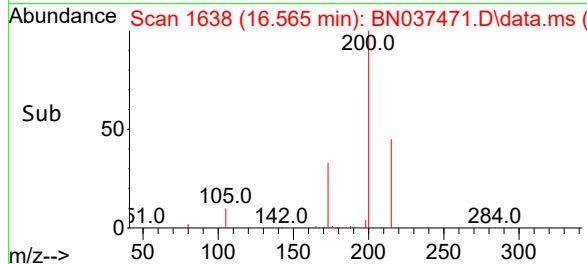
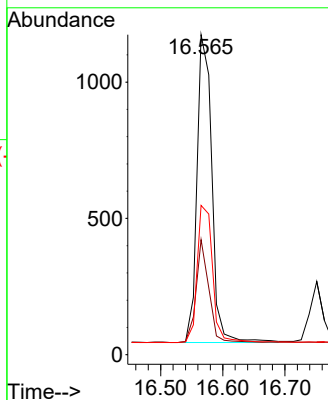
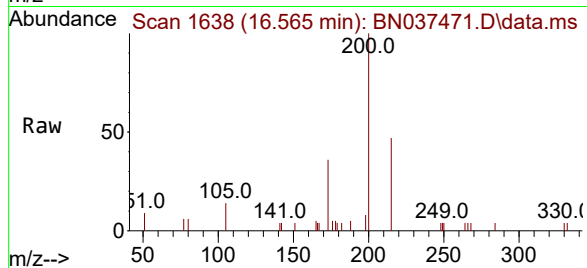




#23
Atrazine
Concen: 1.715 ng
RT: 16.565 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

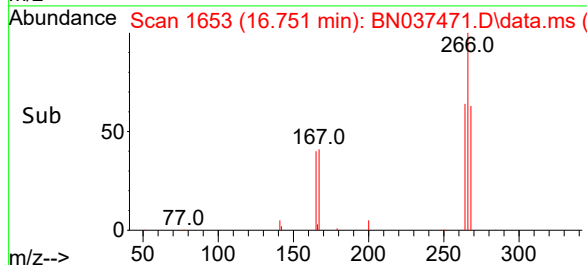
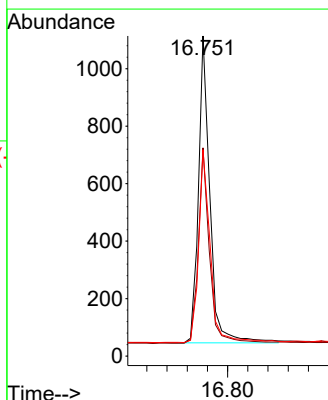
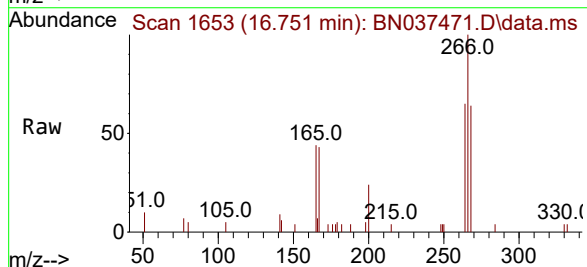
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

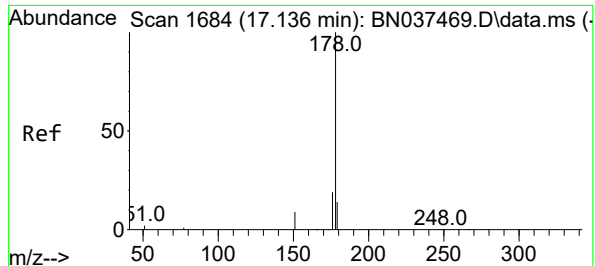
Tgt Ion	Ratio	Lower	Upper
200	100		
173	35.9	34.3	51.5
215	46.7	41.6	62.4



#24
Pentachlorophenol
Concen: 1.610 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.8	47.5	71.3
268	64.0	50.6	76.0

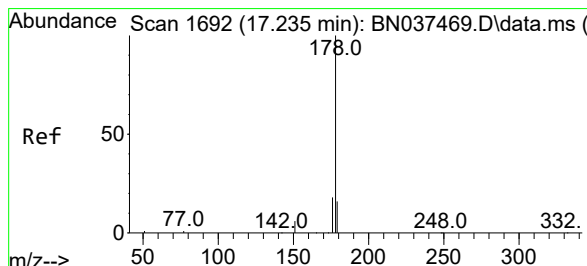
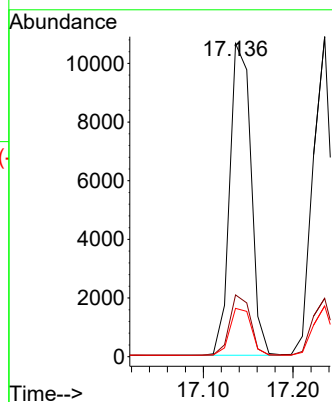
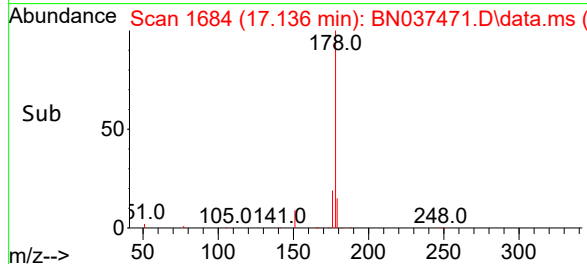
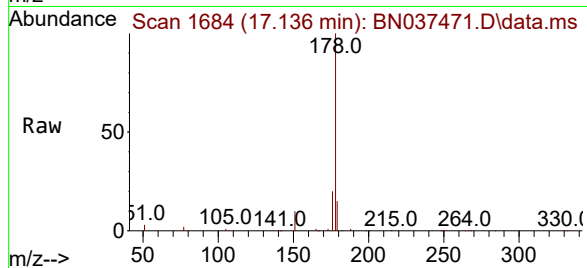




#25
Phenanthrene
Concen: 1.631 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

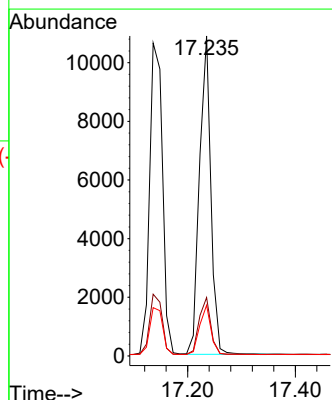
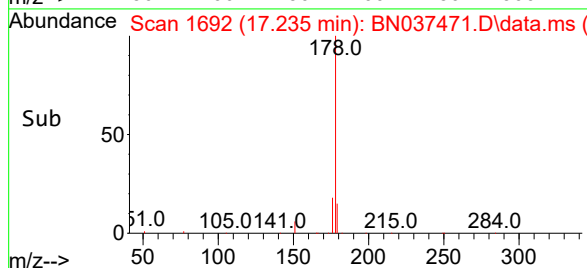
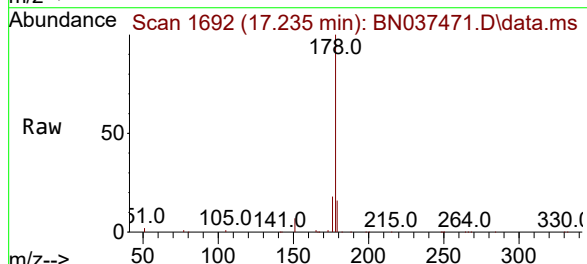
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

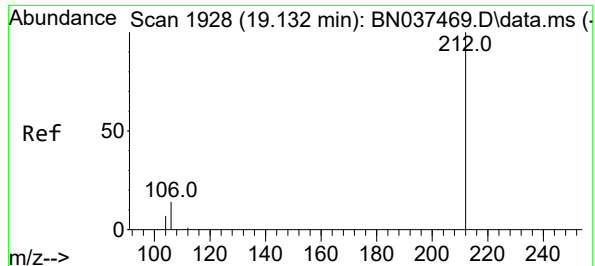
Tgt Ion:178 Resp: 17507
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.2 12.2 18.2



#26
Anthracene
Concen: 1.647 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

Tgt Ion:178 Resp: 15953
Ion Ratio Lower Upper
178 100
176 18.3 14.9 22.3
179 15.4 12.3 18.5





#27

Fluoranthene-d10

Concen: 1.556 ng

RT: 19.132 min Scan# 1928

Delta R.T. -0.000 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

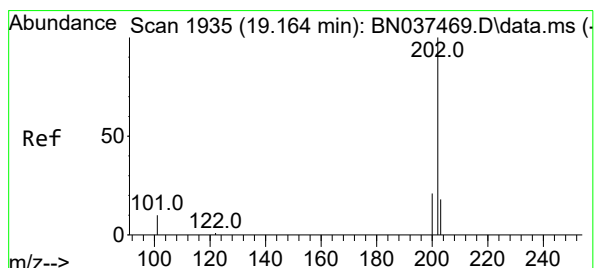
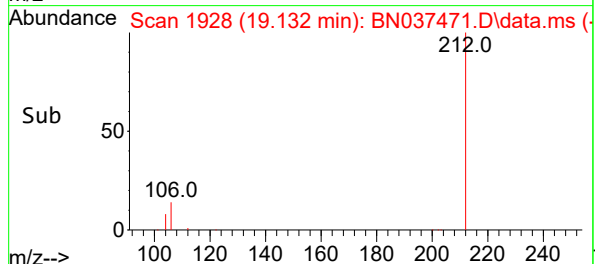
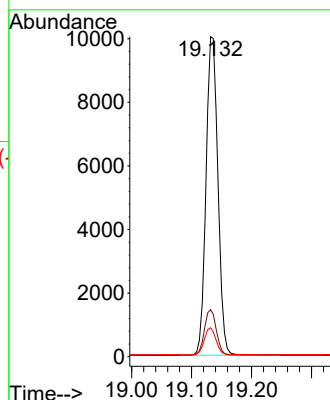
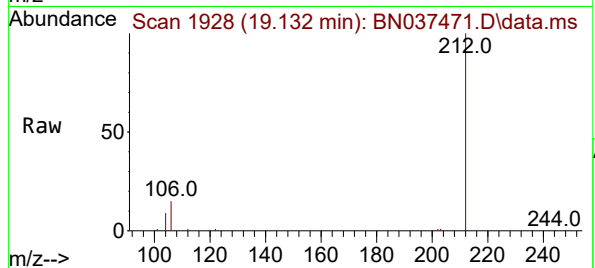
Tgt Ion:212 Resp: 13833

Ion Ratio Lower Upper

212 100

106 14.3 11.7 17.5

104 8.3 6.6 10.0



#28

Fluoranthene

Concen: 1.663 ng

RT: 19.164 min Scan# 1935

Delta R.T. -0.000 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

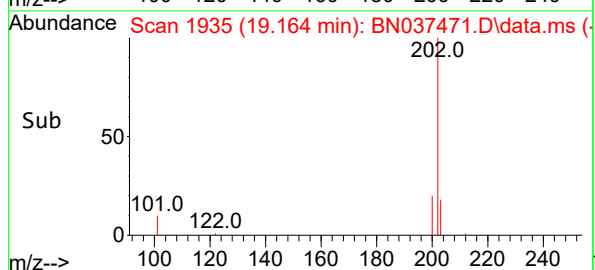
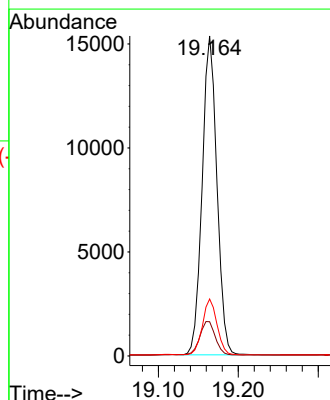
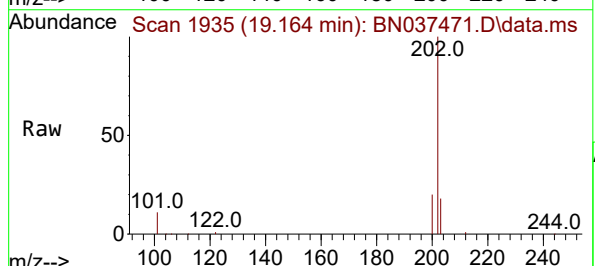
Tgt Ion:202 Resp: 19585

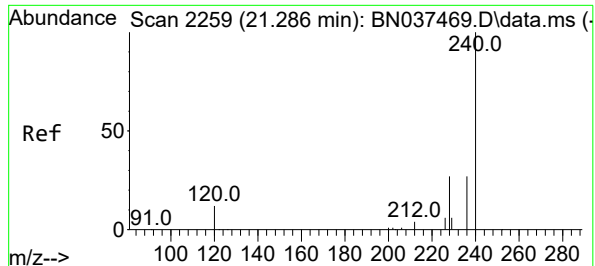
Ion Ratio Lower Upper

202 100

101 11.2 9.2 13.8

203 17.3 14.0 21.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

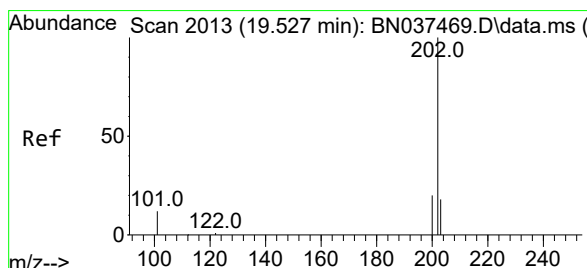
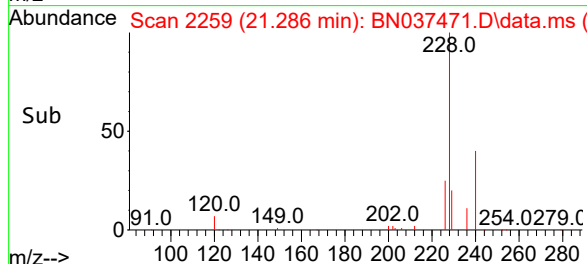
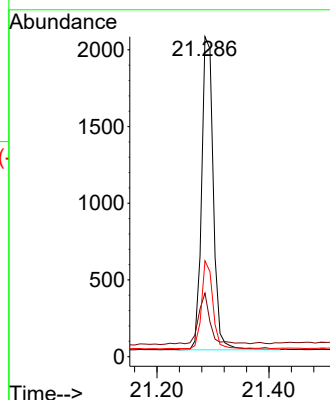
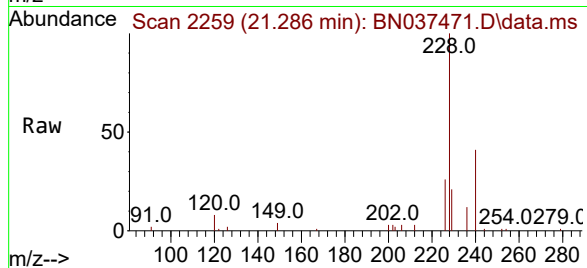
Tgt Ion:240 Resp: 2965

Ion Ratio Lower Upper

240 100

120 19.8 12.4 18.6#

236 30.0 22.9 34.3



#30

Pyrene

Concen: 1.597 ng

RT: 19.526 min Scan# 2013

Delta R.T. -0.000 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

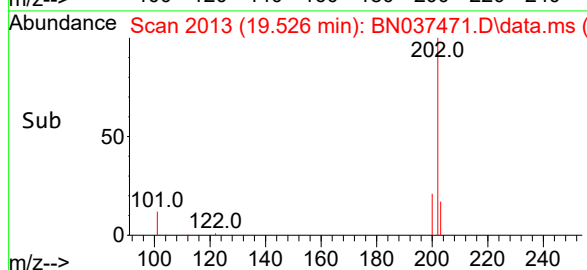
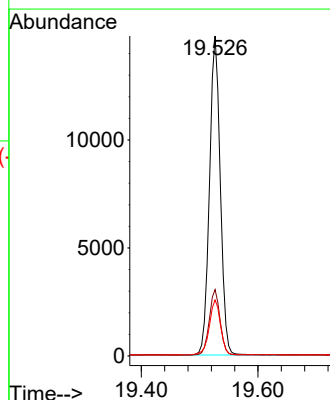
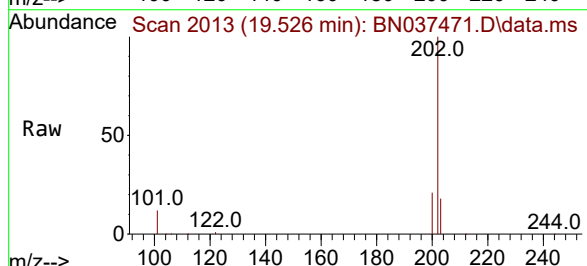
Tgt Ion:202 Resp: 19037

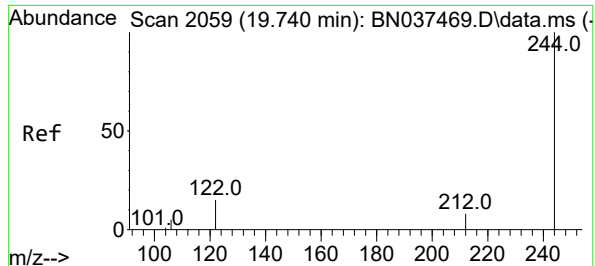
Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

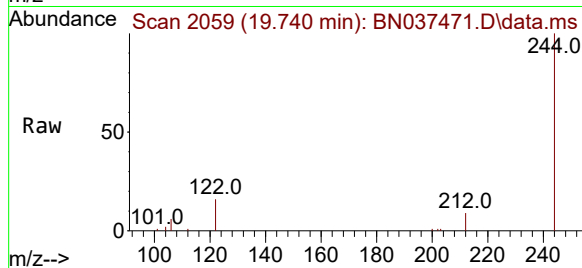
203 17.9 14.3 21.5



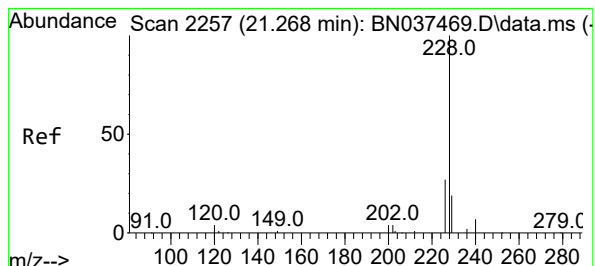
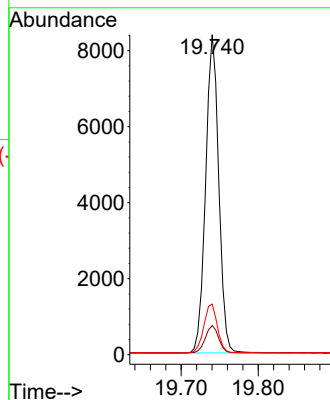
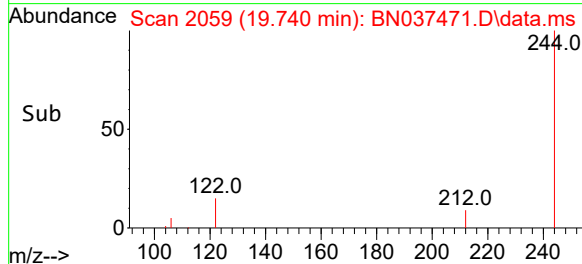


#31
Terphenyl-d14
Concen: 1.602 ng
RT: 19.740 min Scan# 2059
Delta R.T. -0.000 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

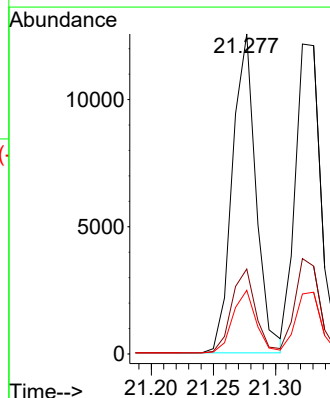
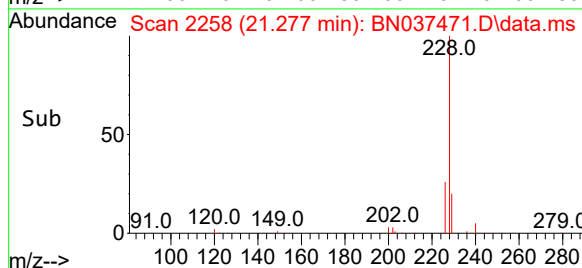
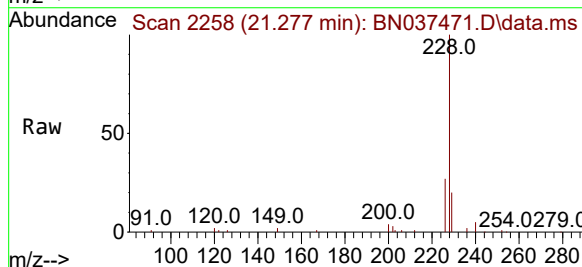


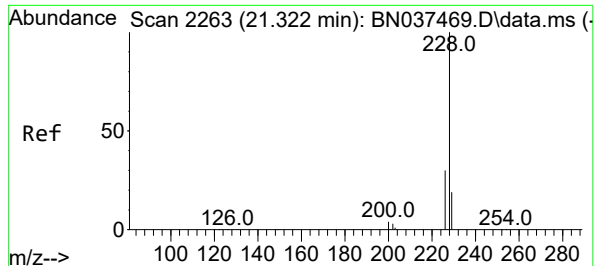
Tgt Ion:244 Resp: 9911
Ion Ratio Lower Upper
244 100
212 9.1 8.7 13.1
122 15.8 14.1 21.1



#32
Benzo(a)anthracene
Concen: 1.647 ng
RT: 21.277 min Scan# 2258
Delta R.T. 0.009 min
Lab File: BN037471.D
Acq: 11 Jul 2025 13:36

Tgt Ion:228 Resp: 16533
Ion Ratio Lower Upper
228 100
226 26.6 22.7 34.1
229 19.9 16.6 24.8





#33

Chrysene

Concen: 1.592 ng

RT: 21.321 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

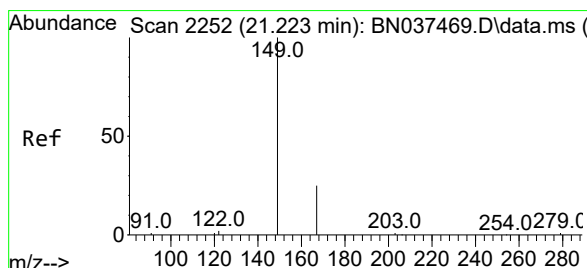
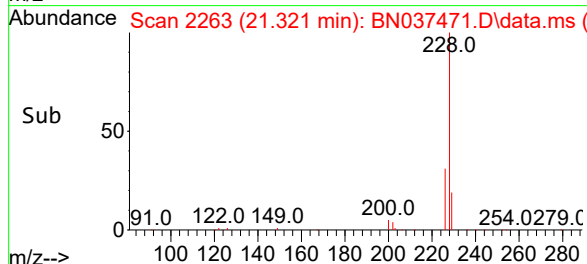
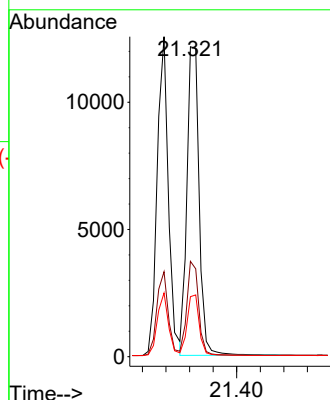
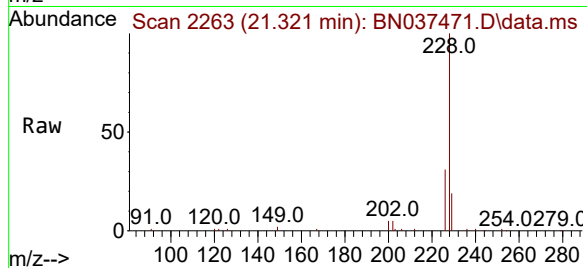
Tgt Ion:228 Resp: 17469

Ion Ratio Lower Upper

228 100

226 30.8 24.6 36.8

229 19.4 16.4 24.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.525 ng

RT: 21.232 min Scan# 2253

Delta R.T. 0.009 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

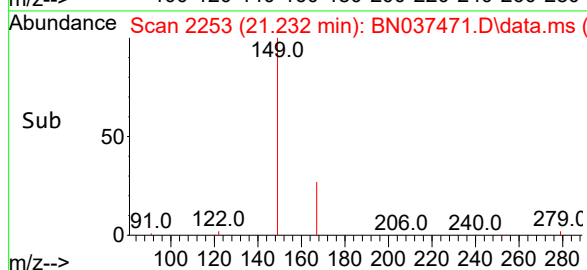
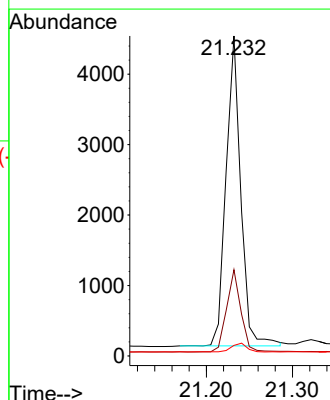
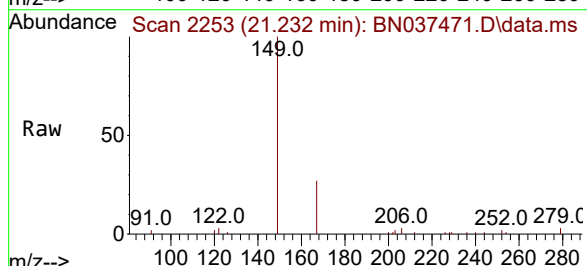
Tgt Ion:149 Resp: 5207

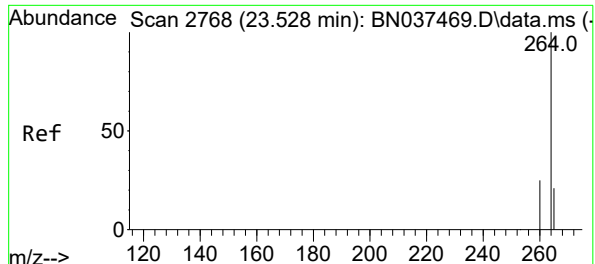
Ion Ratio Lower Upper

149 100

167 25.6 19.4 29.2

279 2.9 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.534 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN037471.D

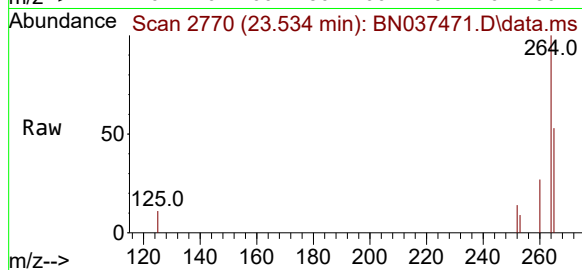
Acq: 11 Jul 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



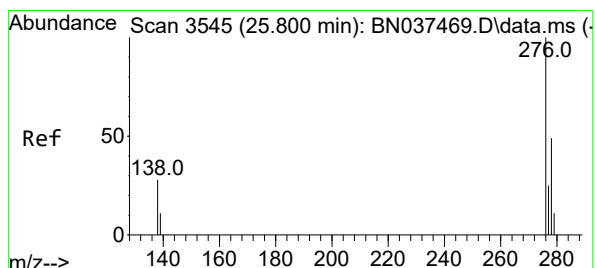
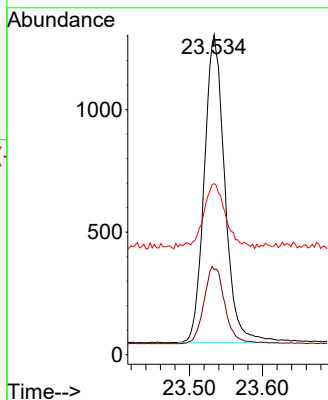
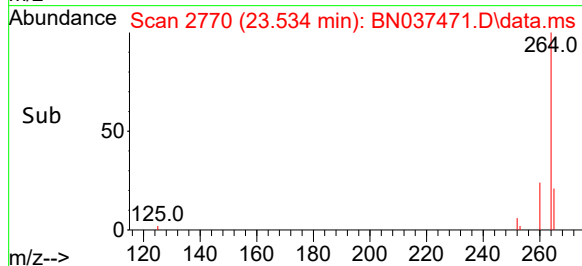
Tgt Ion:264 Resp: 2463

Ion Ratio Lower Upper

264 100

260 26.6 21.7 32.5

265 53.4 41.6 62.4



#36

Indeno(1,2,3-cd)pyrene

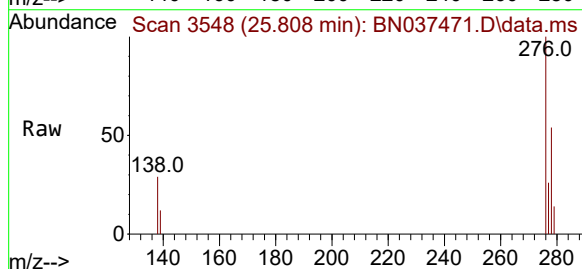
Concen: 1.705 ng

RT: 25.808 min Scan# 3548

Delta R.T. 0.009 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36



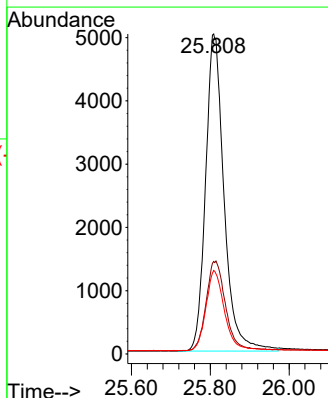
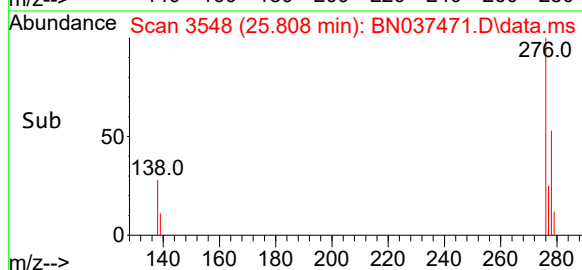
Tgt Ion:276 Resp: 16302

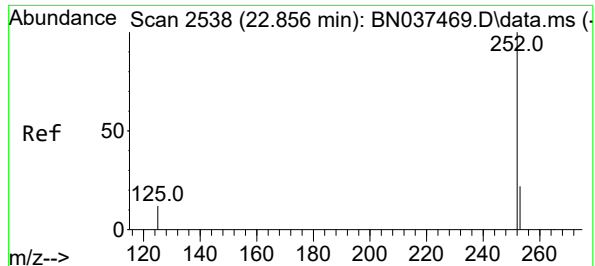
Ion Ratio Lower Upper

276 100

138 29.5 23.4 35.2

277 25.2 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 1.716 ng

RT: 22.861 min Scan# 2540

Delta R.T. 0.006 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

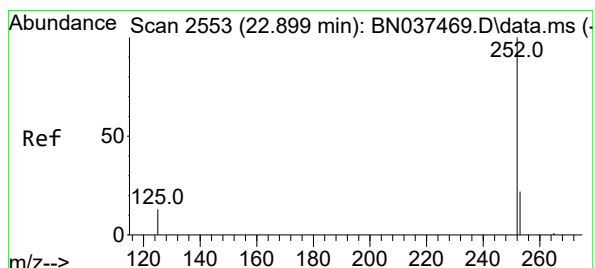
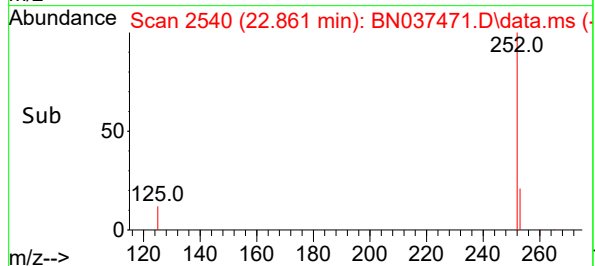
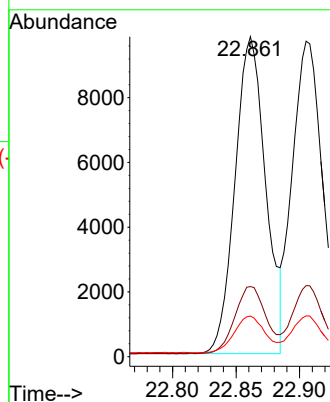
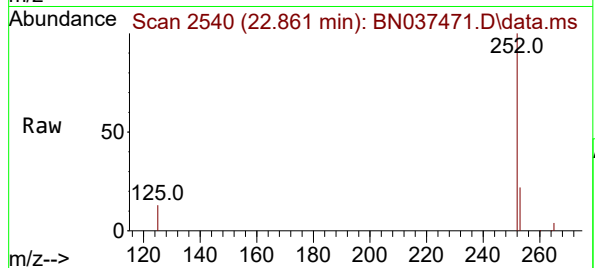
Tgt Ion:252 Resp: 16437

Ion Ratio Lower Upper

252 100

253 21.9 20.1 30.1

125 12.7 13.7 20.5#



#38

Benzo(k)fluoranthene

Concen: 1.698 ng

RT: 22.905 min Scan# 2555

Delta R.T. 0.006 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

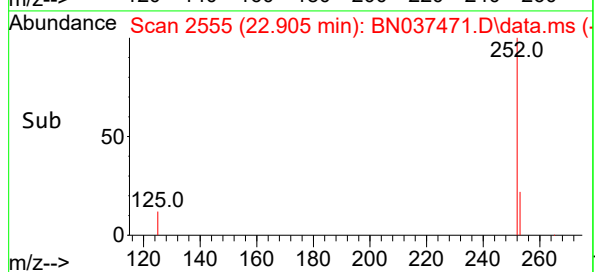
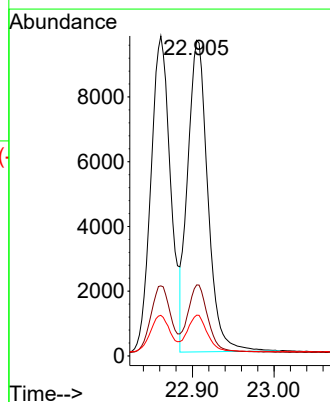
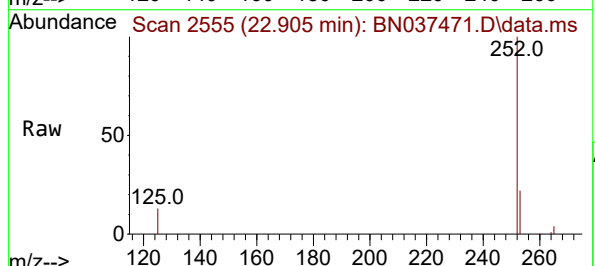
Tgt Ion:252 Resp: 16488

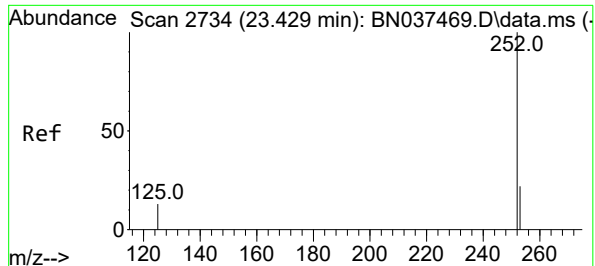
Ion Ratio Lower Upper

252 100

253 22.5 20.4 30.6

125 12.9 14.6 21.8#





#39

Benzo(a)pyrene

Concen: 1.693 ng

RT: 23.437 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN037471.D

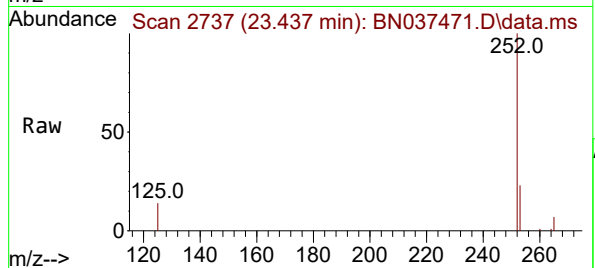
Acq: 11 Jul 2025 13:36

Instrument :

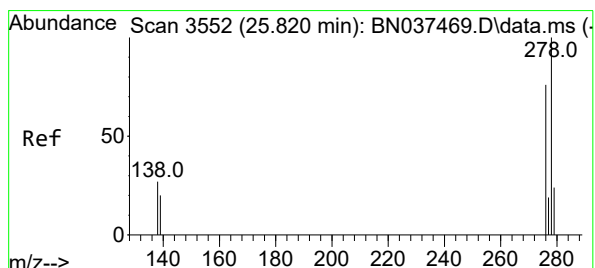
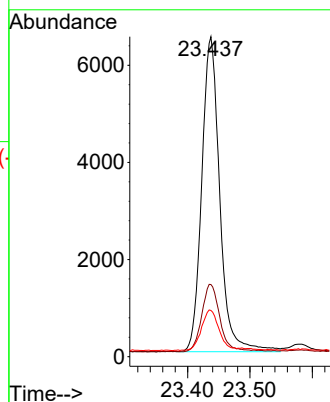
BNA_N

ClientSampleId :

SSTDICC1.6



Tgt Ion:	252	Resp:	13051
Ion Ratio	Lower	Upper	
252	100		
253	22.6	21.8	32.6
125	14.4	16.7	25.1



#40

Dibenzo(a,h)anthracene

Concen: 1.714 ng

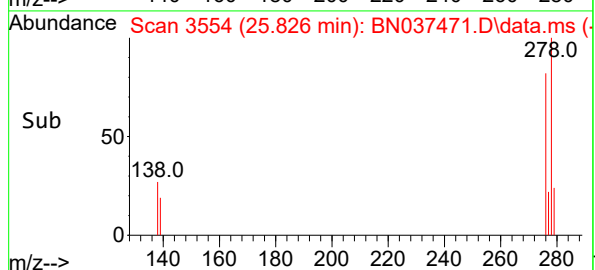
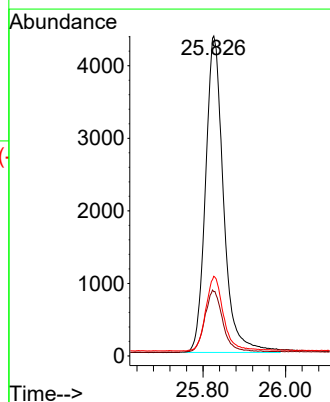
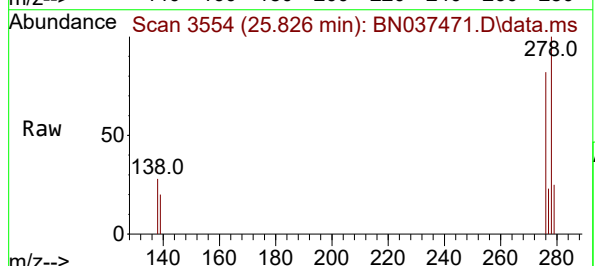
RT: 25.826 min Scan# 3554

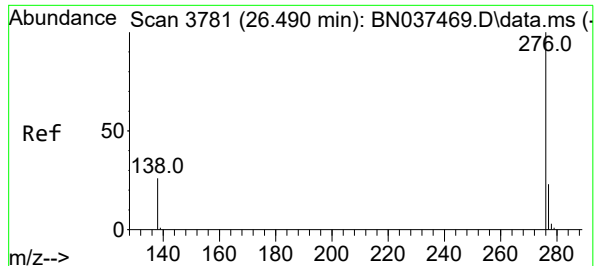
Delta R.T. 0.006 min

Lab File: BN037471.D

Acq: 11 Jul 2025 13:36

Tgt Ion:	278	Resp:	13217
Ion Ratio	Lower	Upper	
278	100		
139	20.1	19.9	29.9
279	24.9	24.8	37.2





#41

Benzo(g,h,i)perylene

Concen: 1.682 ng

RT: 26.498 min Scan# 31

Delta R.T. 0.009 min

Lab File: BN037471.D

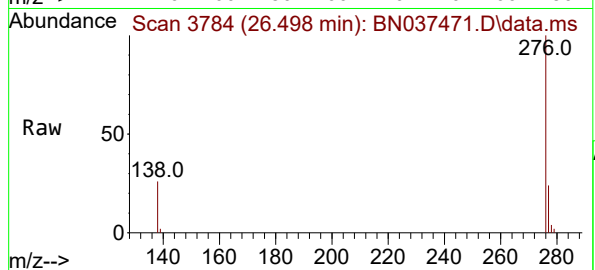
Acq: 11 Jul 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



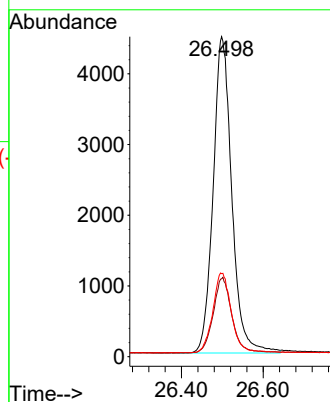
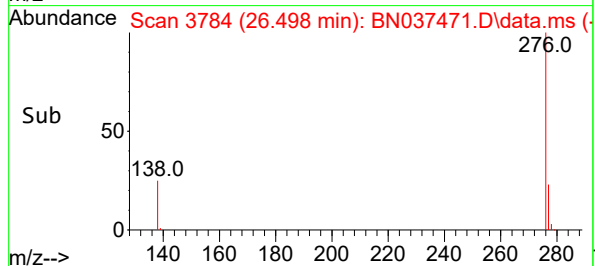
Tgt Ion:276 Resp: 14207

Ion Ratio Lower Upper

276 100

277 24.4 21.7 32.5

138 26.0 24.3 36.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
 Data File : BN037472.D
 Acq On : 11 Jul 2025 14:12
 Operator : RC/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

Quant Time: Jul 11 15:27:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:17:19 2025
 Response via : Initial Calibration

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

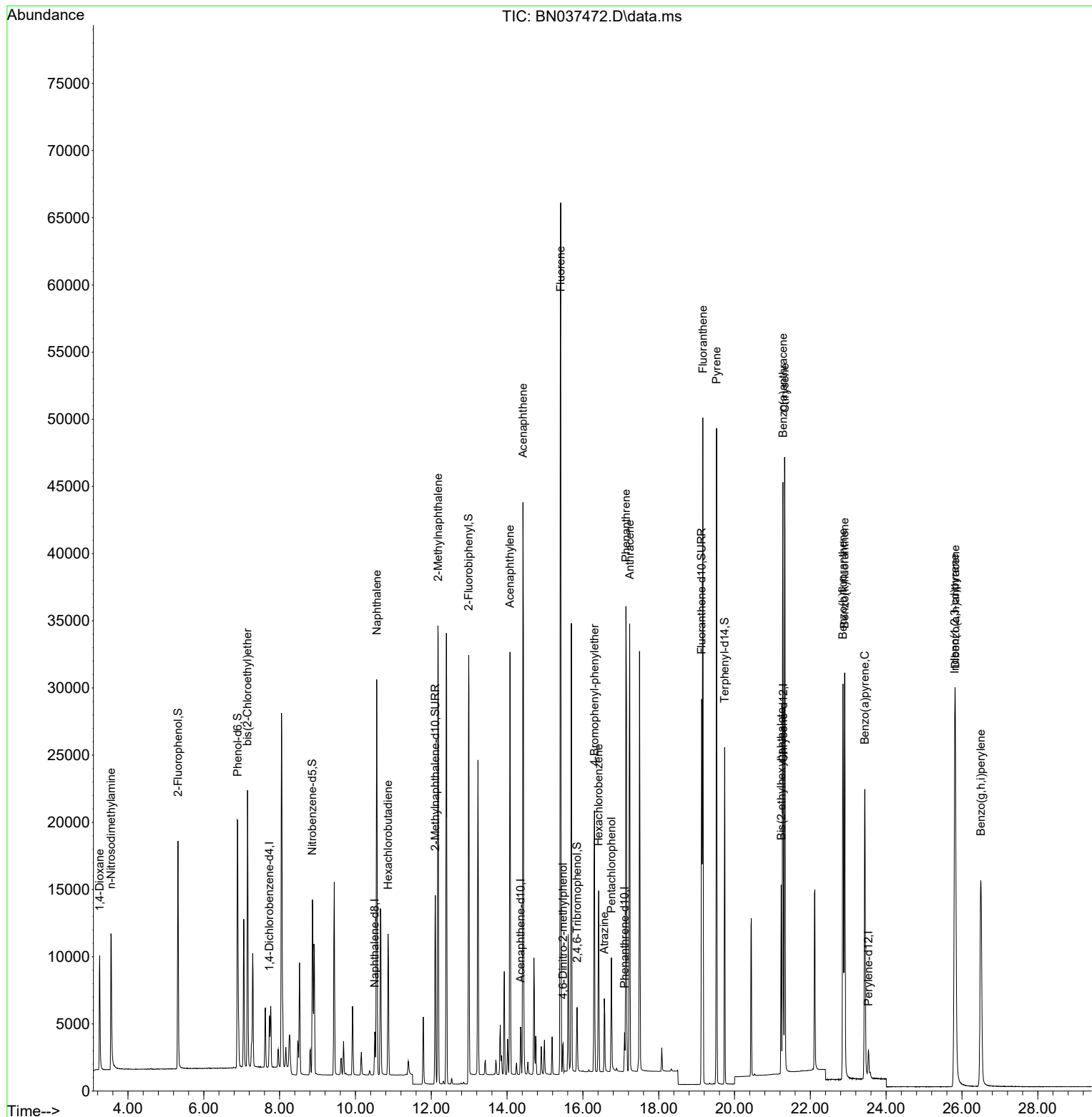
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.731	152	1783	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	4111	0.400	ng	0.00
13) Acenaphthene-d10	14.355	164	2097	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	3689	0.400	ng	0.00
29) Chrysene-d12	21.286	240	3278	0.400	ng	# 0.00
35) Perylene-d12	23.534	264	2672	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	13443	3.239	ng	0.00
5) Phenol-d6	6.894	99	16707	3.200	ng	0.00
8) Nitrobenzene-d5	8.864	82	10071	3.375	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	18523	3.314	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	2561	3.601	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	39540	3.303	ng	0.00
27) Fluoranthene-d10	19.132	212	30970	3.328	ng	0.00
31) Terphenyl-d14	19.740	244	21864	3.197	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.254	88	5469	3.266	ng	96
3) n-Nitrosodimethylamine	3.550	42	7419	3.314	ng	97
6) bis(2-Chloroethyl)ether	7.154	93	14049	3.216	ng	100
9) Naphthalene	10.562	128	36457	3.301	ng	96
10) Hexachlorobutadiene	10.861	225	8593	3.238	ng	# 99
12) 2-Methylnaphthalene	12.177	142	23612	3.413	ng	99
16) Acenaphthylene	14.077	152	31638	3.309	ng	99
17) Acenaphthene	14.419	154	21303	3.320	ng	97
18) Fluorene	15.414	166	27172	3.371	ng	98
20) 4,6-Dinitro-2-methylph...	15.478	198	1680	4.053	ng	# 48
21) 4-Bromophenyl-phenylether	16.304	248	7684	3.339	ng	95
22) Hexachlorobenzene	16.416	284	10345	3.258	ng	99
23) Atrazine	16.565	200	4528	3.955	ng	90
24) Pentachlorophenol	16.751	266	3862	3.532	ng	97
25) Phenanthrene	17.136	178	37061	3.299	ng	100
26) Anthracene	17.235	178	34968	3.450	ng	99
28) Fluoranthene	19.164	202	42951	3.485	ng	99
30) Pyrene	19.526	202	41820	3.173	ng	100
32) Benzo(a)anthracene	21.277	228	37454	3.374	ng	97
33) Chrysene	21.321	228	38393	3.164	ng	99
34) Bis(2-ethylhexyl)phtha...	21.232	149	12243	3.243	ng	96
36) Indeno(1,2,3-cd)pyrene	25.808	276	37588	3.624	ng	99
37) Benzo(b)fluoranthene	22.861	252	35793	3.445	ng	# 92
38) Benzo(k)fluoranthene	22.905	252	37293	3.541	ng	# 91
39) Benzo(a)pyrene	23.437	252	29875	3.573	ng	# 87
40) Dibenzo(a,h)anthracene	25.826	278	30827	3.685	ng	# 89
41) Benzo(g,h,i)perylene	26.495	276	32205	3.515	ng	93

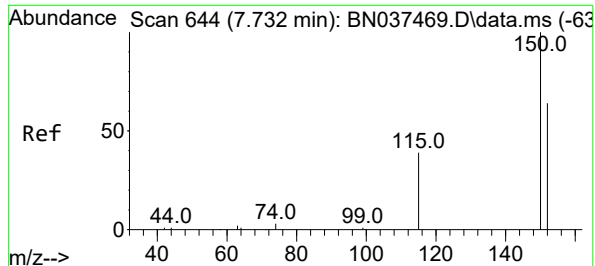
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
Data File : BN037472.D
Acq On : 11 Jul 2025 14:12
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

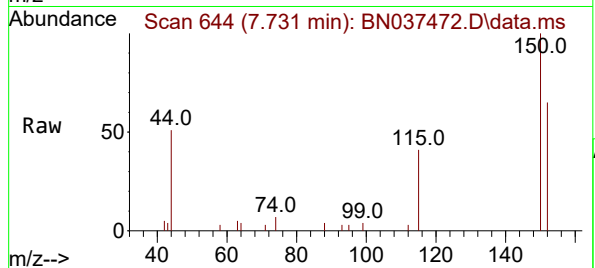
Quant Time: Jul 11 15:27:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:17:19 2025
Response via : Initial Calibration



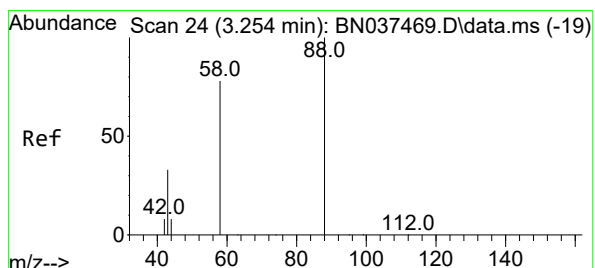
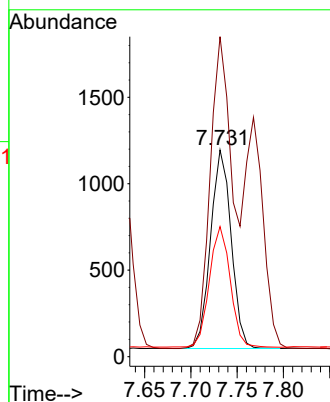
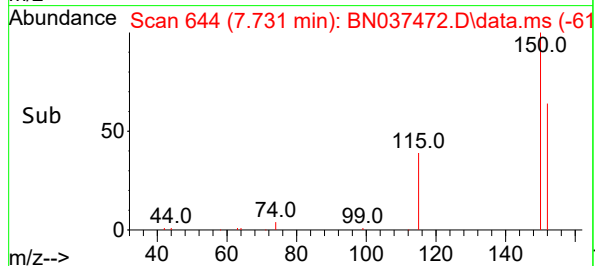


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.731 min Scan# 64
Delta R.T. -0.001 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

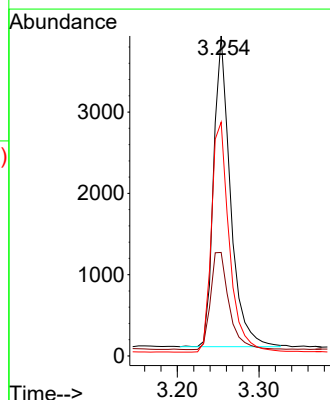
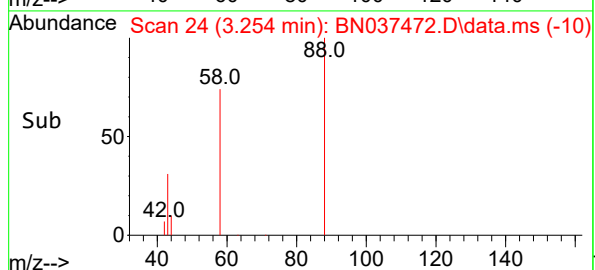
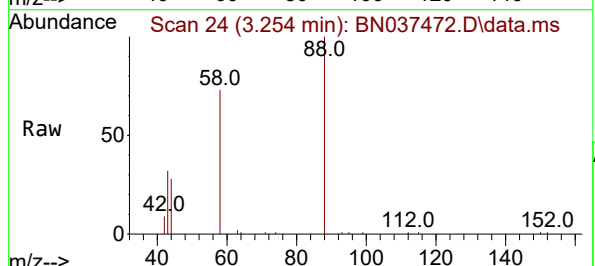


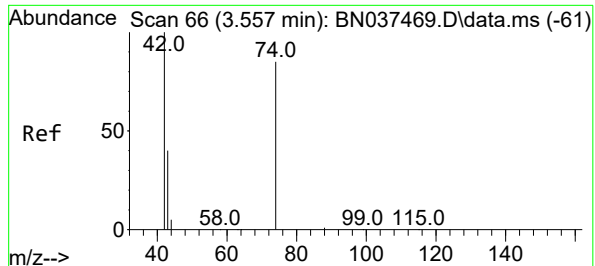
Tgt Ion:152 Resp: 1783
Ion Ratio Lower Upper
152 100
150 154.8 122.5 183.7
115 62.9 49.9 74.9



#2
1,4-Dioxane
Concen: 3.266 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

Tgt Ion: 88 Resp: 5469
Ion Ratio Lower Upper
88 100
43 34.5 30.7 46.1
58 78.7 65.0 97.4

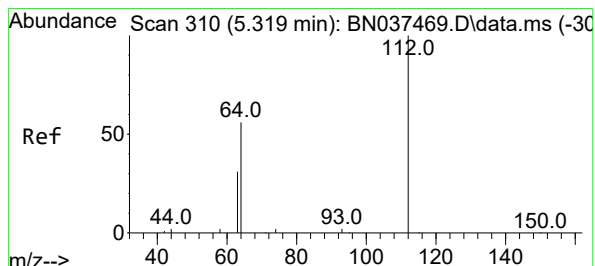
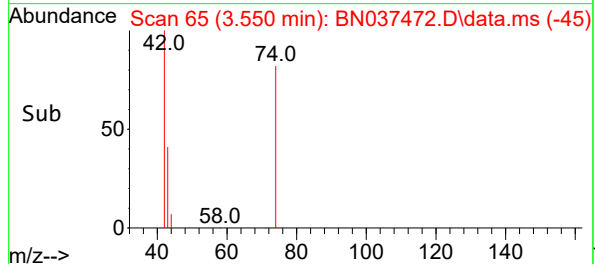
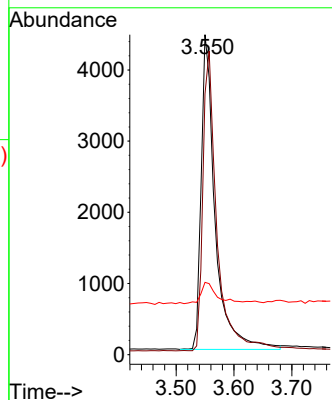
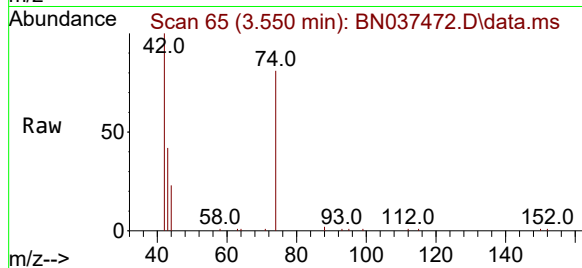




#3
n-Nitrosodimethylamine
Concen: 3.314 ng
RT: 3.550 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

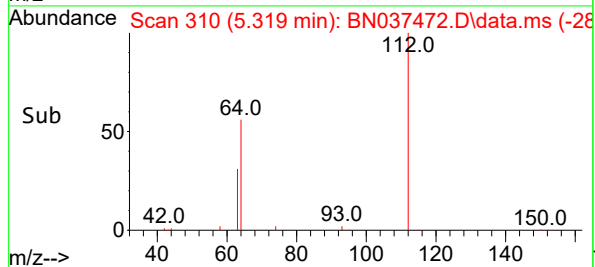
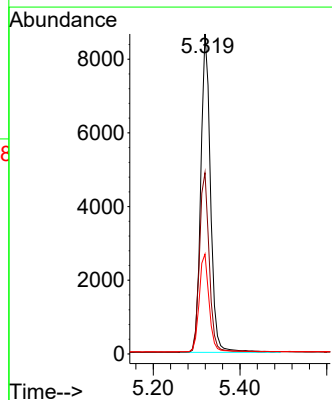
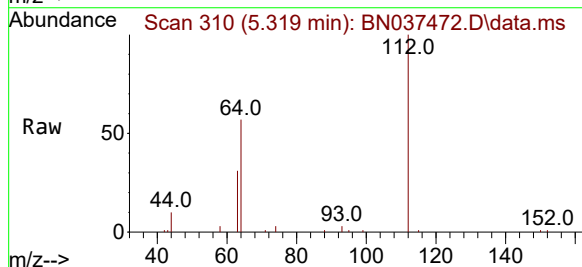
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

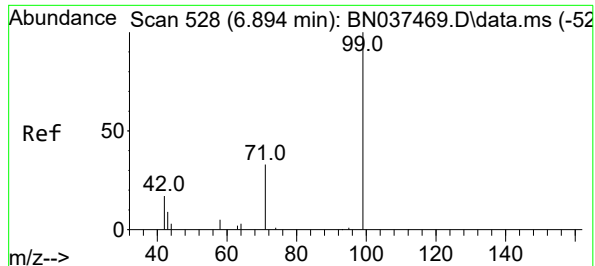
Tgt Ion: 42 Resp: 7419
Ion Ratio Lower Upper
42 100
74 96.5 74.9 112.3
44 7.6 7.2 10.8



#4
2-Fluorophenol
Concen: 3.239 ng
RT: 5.319 min Scan# 310
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

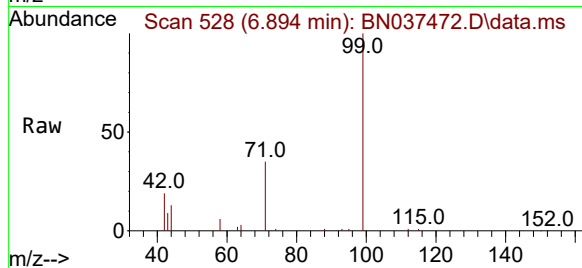
Tgt Ion: 112 Resp: 13443
Ion Ratio Lower Upper
112 100
64 57.0 45.4 68.0
63 31.1 24.7 37.1



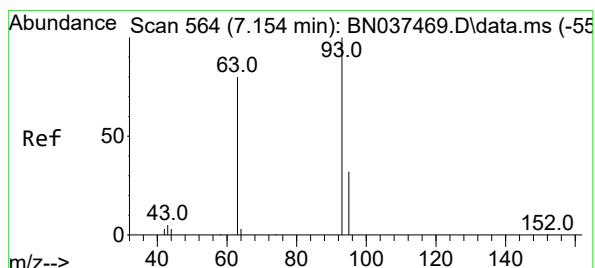
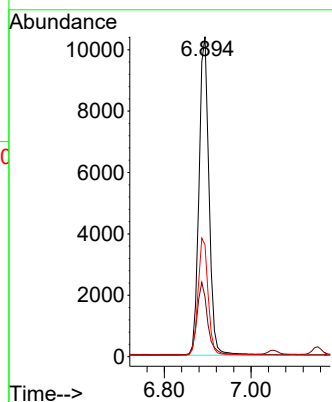
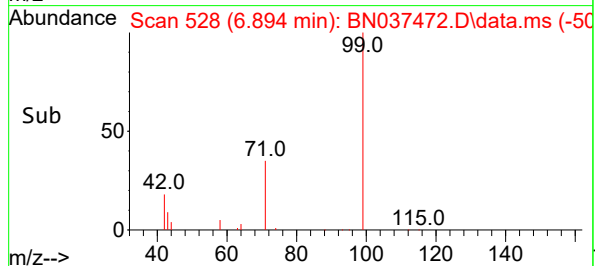


#5
Phenol-d6
Concen: 3.200 ng
RT: 6.894 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

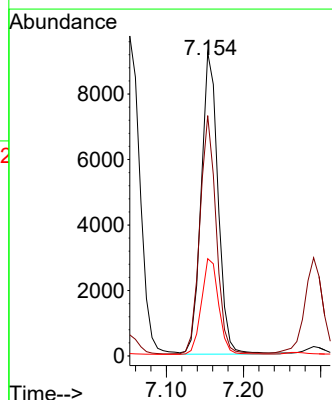
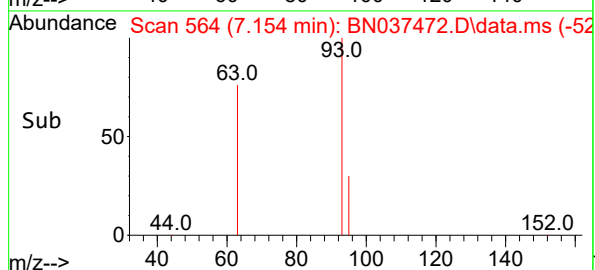
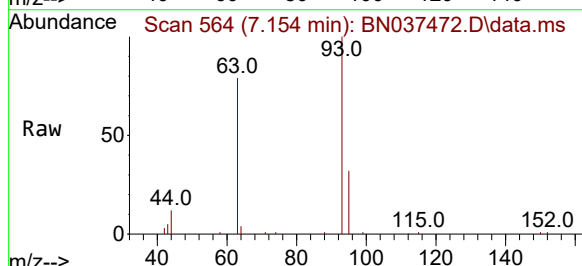


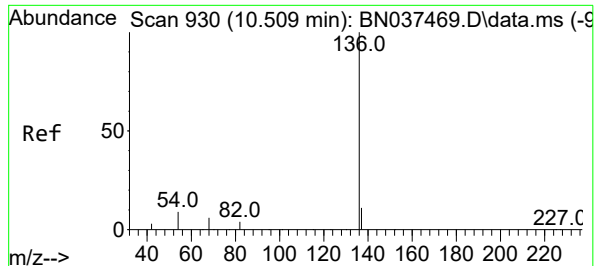
Tgt Ion: 99 Resp: 16707
Ion Ratio Lower Upper
99 100
42 23.6 19.5 29.3
71 37.1 29.4 44.2



#6
bis(2-Chloroethyl)ether
Concen: 3.216 ng
RT: 7.154 min Scan# 564
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

Tgt Ion: 93 Resp: 14049
Ion Ratio Lower Upper
93 100
63 75.9 60.8 91.2
95 32.2 25.6 38.4

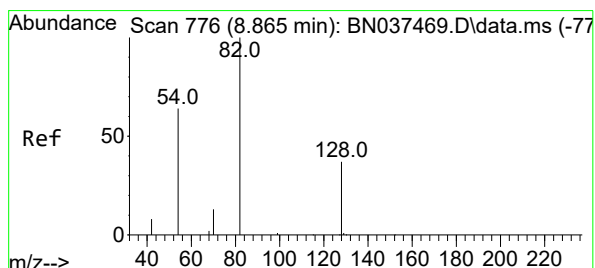
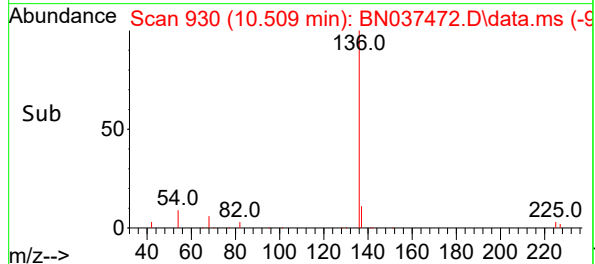
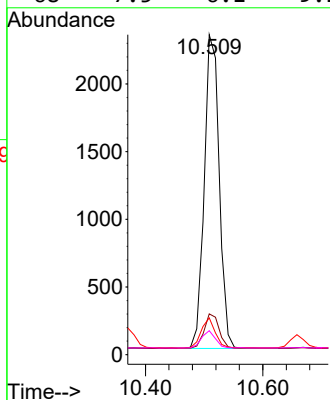
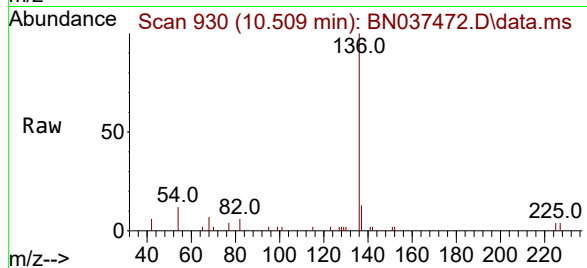




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 911
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

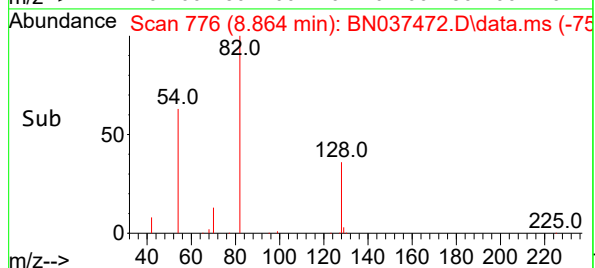
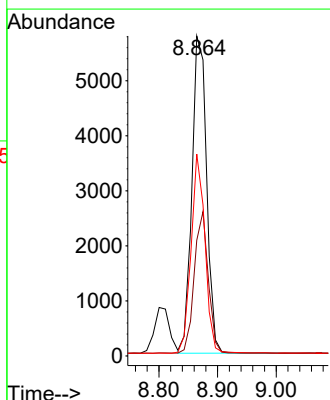
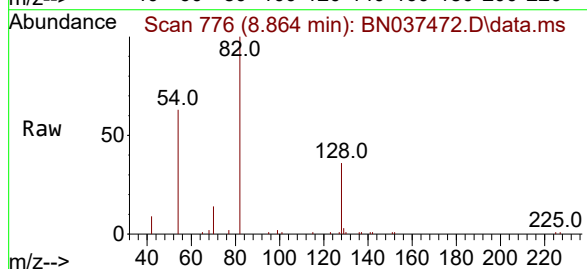
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

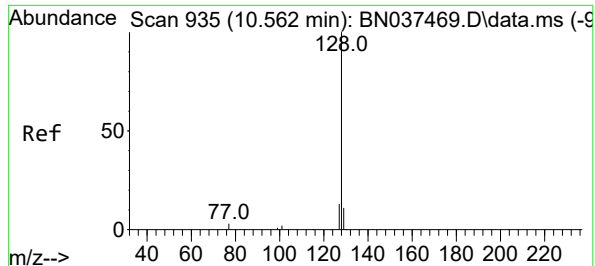
Tgt Ion	136	Resp	4111
Ion	Ratio	Lower	Upper
136	100		
137	12.7	10.0	15.0
54	11.5	9.0	13.6
68	7.5	6.1	9.1



#8
Nitrobenzene-d5
Concen: 3.375 ng
RT: 8.864 min Scan# 776
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

Tgt Ion	82	Resp	10071
Ion	Ratio	Lower	Upper
82	100		
128	36.2	33.1	49.7
54	63.1	53.0	79.4

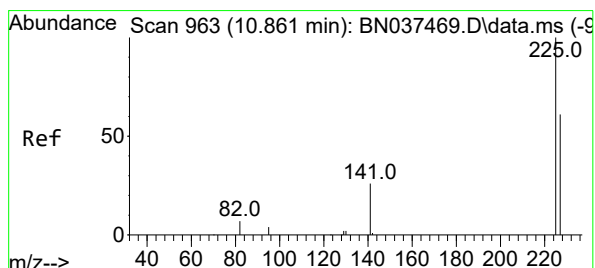
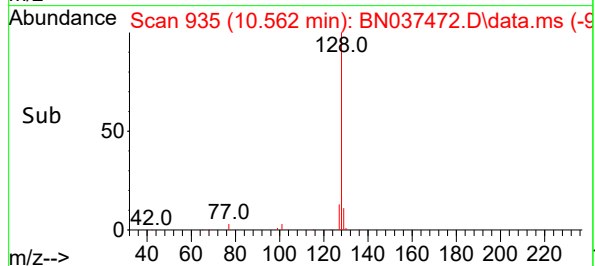
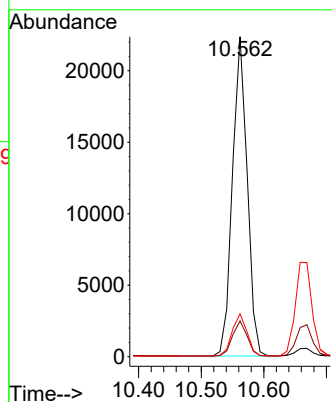
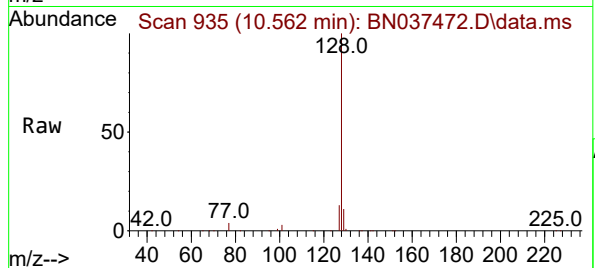




#9
Naphthalene
Concen: 3.301 ng
RT: 10.562 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

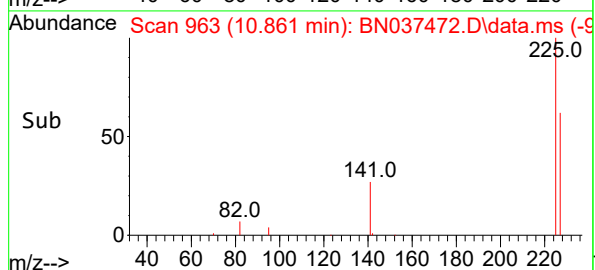
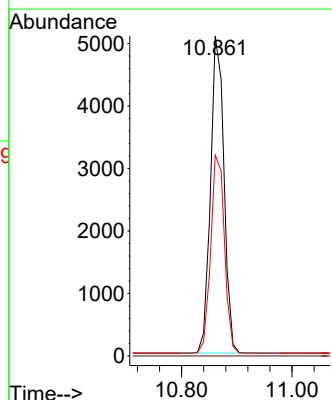
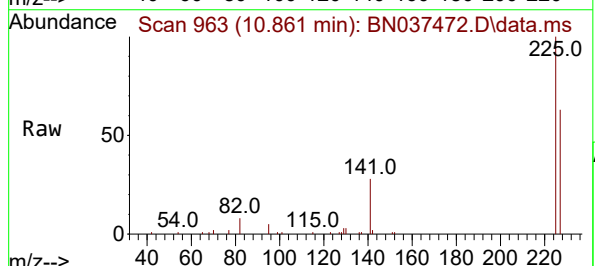
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

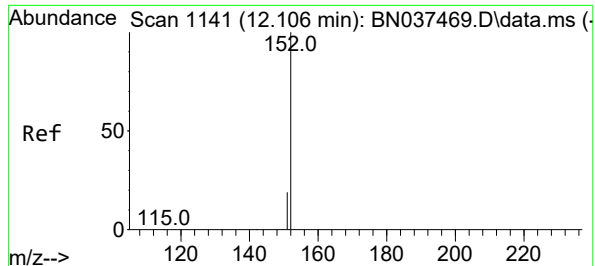
Tgt Ion:128 Resp: 36457
Ion Ratio Lower Upper
128 100
129 11.1 10.2 15.2
127 13.4 11.8 17.6



#10
Hexachlorobutadiene
Concen: 3.238 ng
RT: 10.861 min Scan# 963
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

Tgt Ion:225 Resp: 8593
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 51.4 77.2

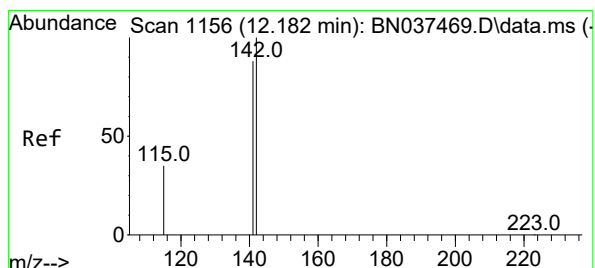
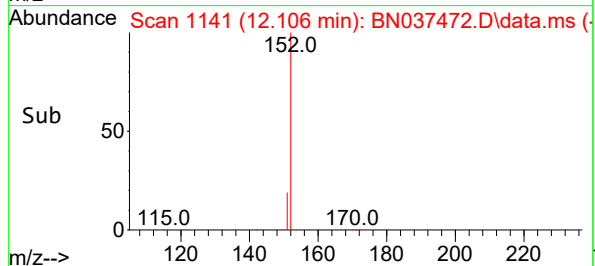
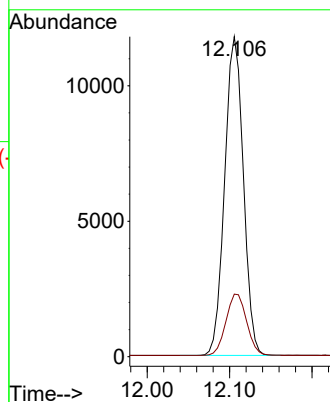
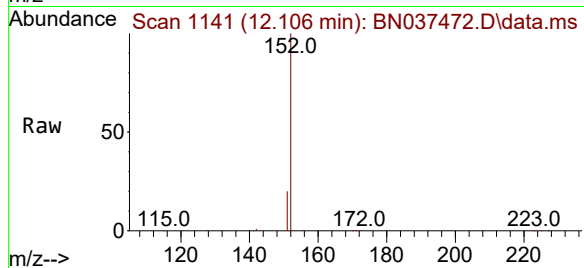




#11
2-Methylnaphthalene-d10
Concen: 3.314 ng
RT: 12.106 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

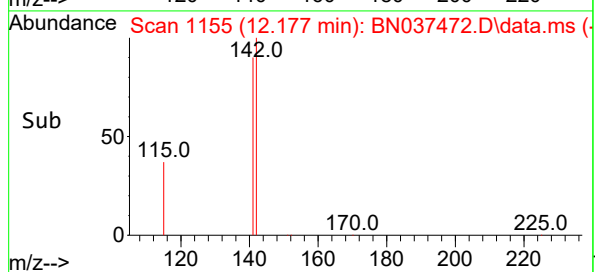
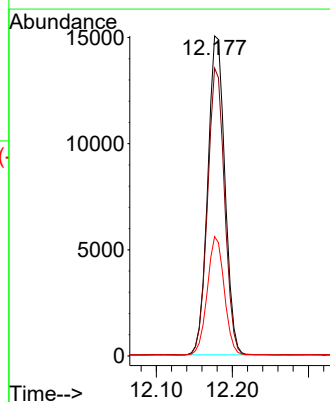
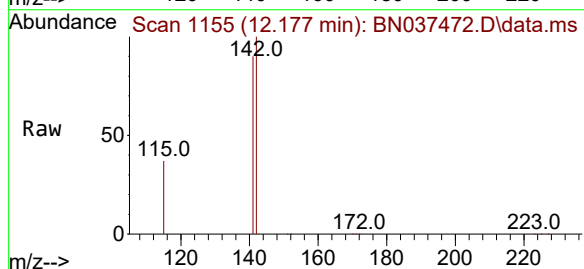
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

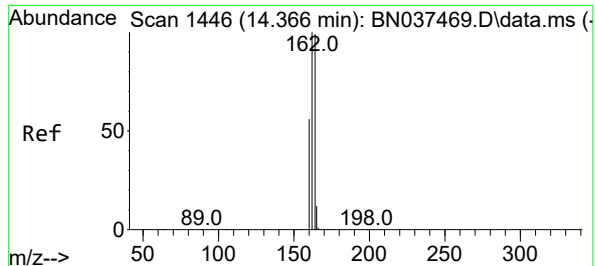
Tgt Ion:152 Resp: 18523
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6



#12
2-Methylnaphthalene
Concen: 3.413 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

Tgt Ion:142 Resp: 23612
Ion Ratio Lower Upper
142 100
141 89.9 70.6 105.8
115 37.3 30.0 45.0

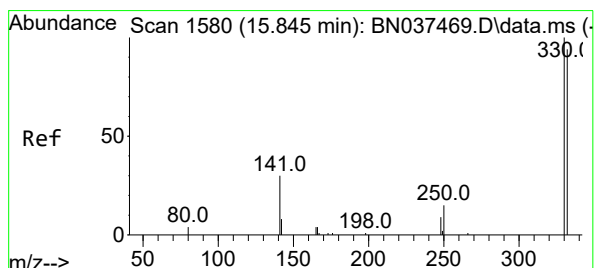
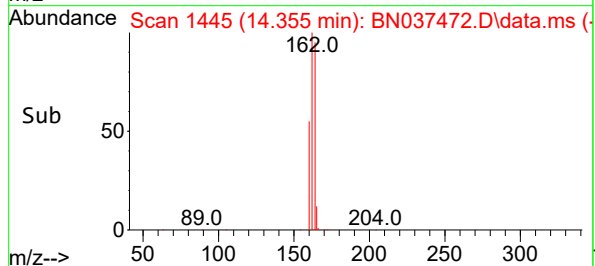
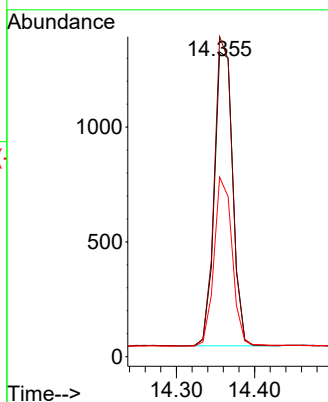
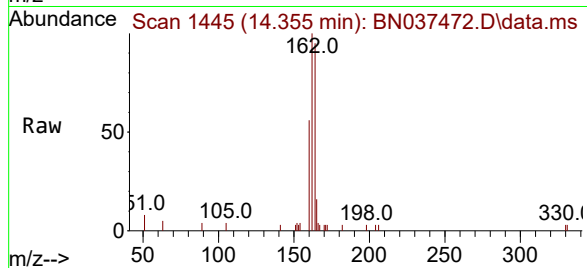




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.355 min Scan# 1446
Delta R.T. -0.011 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

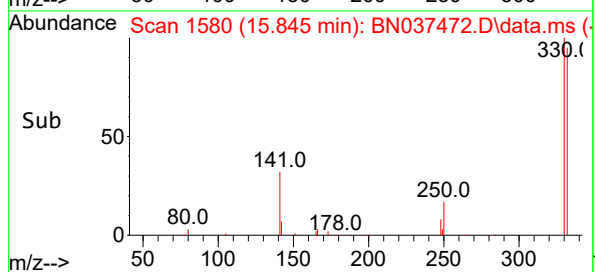
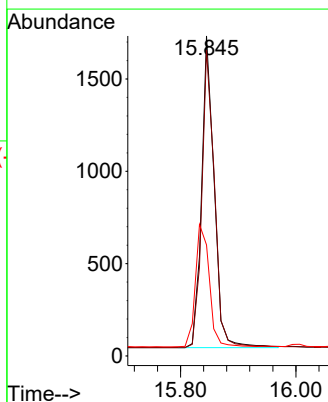
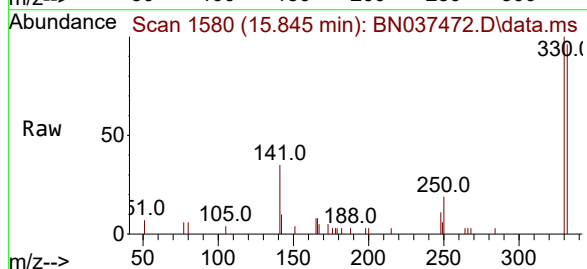
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

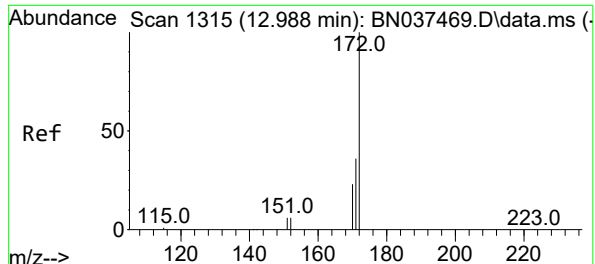
Tgt Ion:164 Resp: 2097
Ion Ratio Lower Upper
164 100
162 105.0 81.1 121.7
160 58.9 46.5 69.7



#14
2,4,6-Tribromophenol
Concen: 3.601 ng
RT: 15.845 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

Tgt Ion:330 Resp: 2561
Ion Ratio Lower Upper
330 100
332 96.6 82.0 123.0
141 43.5 36.2 54.2





#15

2-Fluorobiphenyl

Concen: 3.303 ng

RT: 12.988 min Scan# 1315

Delta R.T. -0.000 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

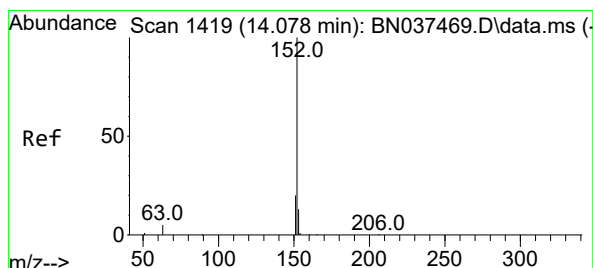
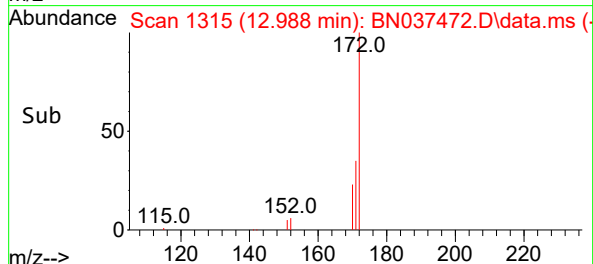
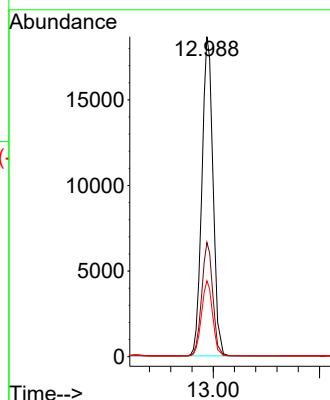
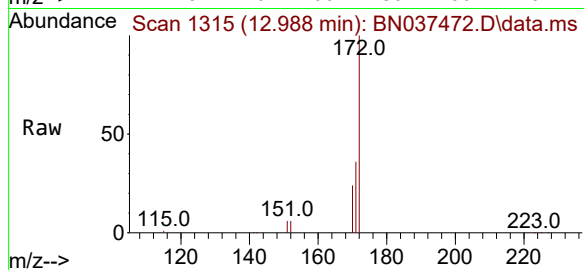
Tgt Ion:172 Resp: 39540

Ion Ratio Lower Upper

172 100

171 35.7 29.8 44.8

170 23.7 20.0 30.0



#16

Acenaphthylene

Concen: 3.309 ng

RT: 14.077 min Scan# 1419

Delta R.T. -0.000 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

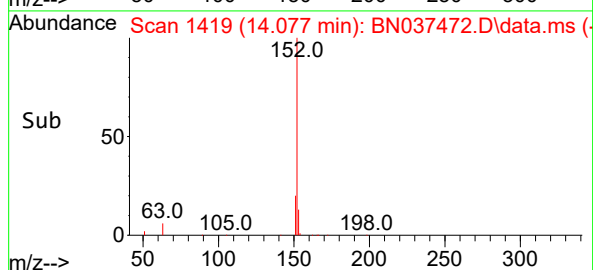
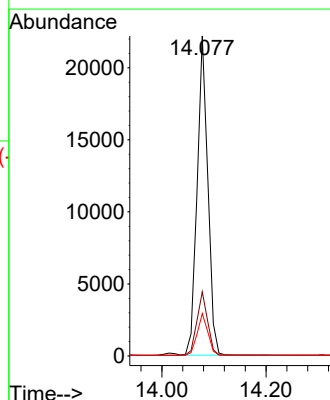
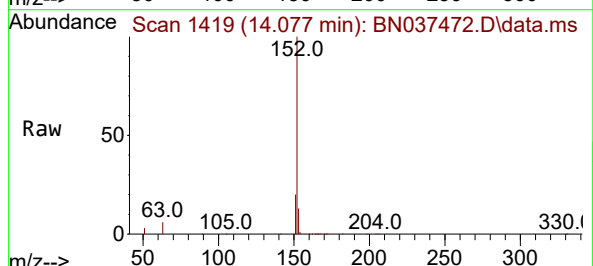
Tgt Ion:152 Resp: 31638

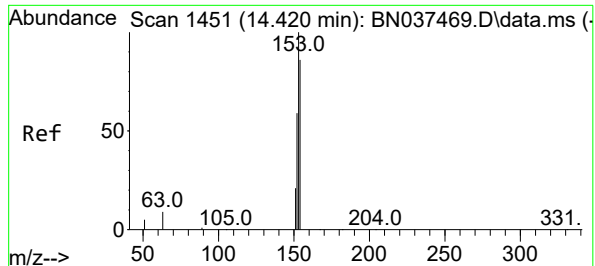
Ion Ratio Lower Upper

152 100

151 19.9 16.4 24.6

153 13.1 10.6 15.8

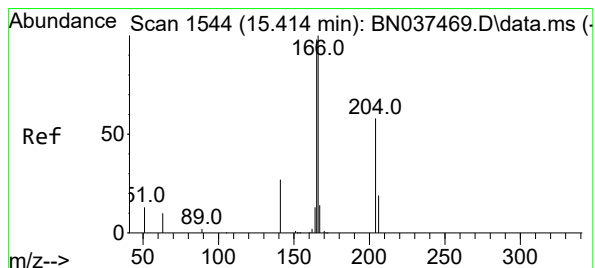
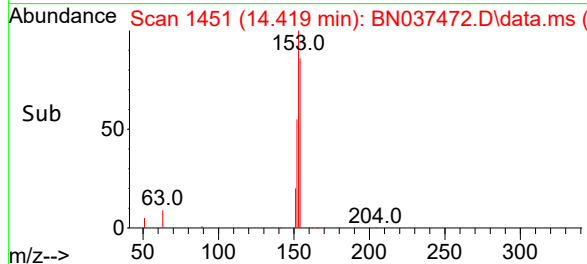
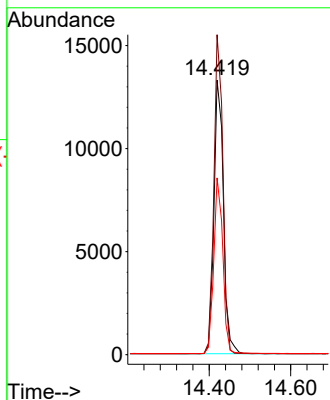
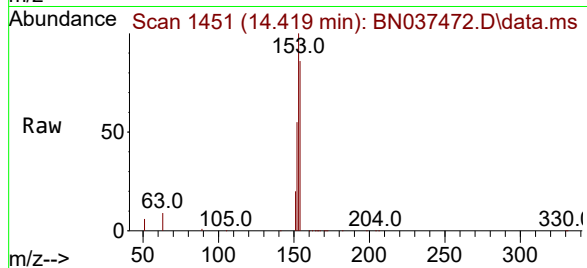




#17
Acenaphthene
Concen: 3.320 ng
RT: 14.419 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

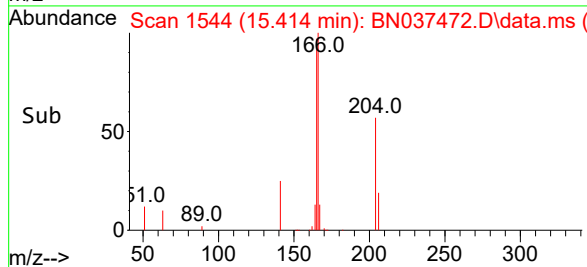
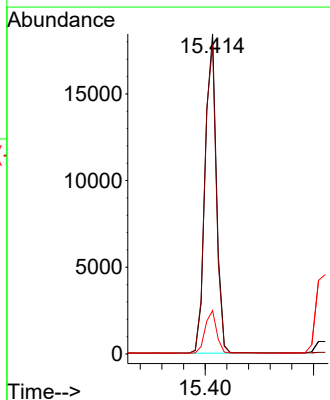
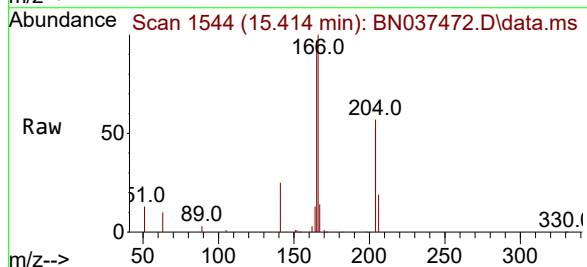
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

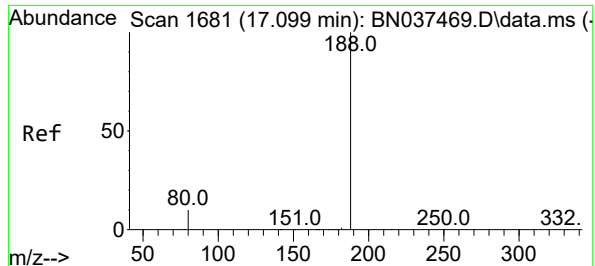
Tgt Ion:154 Resp: 21303
Ion Ratio Lower Upper
154 100
153 110.6 89.4 134.0
152 61.6 53.2 79.8



#18
Fluorene
Concen: 3.371 ng
RT: 15.414 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

Tgt Ion:166 Resp: 27172
Ion Ratio Lower Upper
166 100
165 97.4 79.4 119.2
167 13.1 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

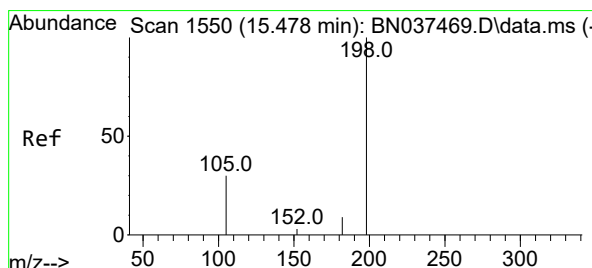
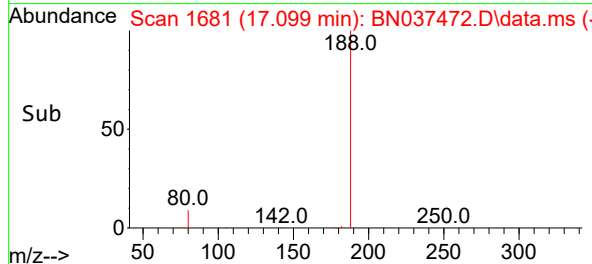
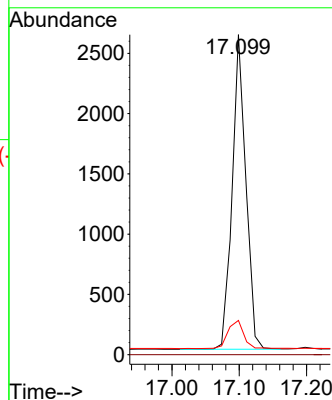
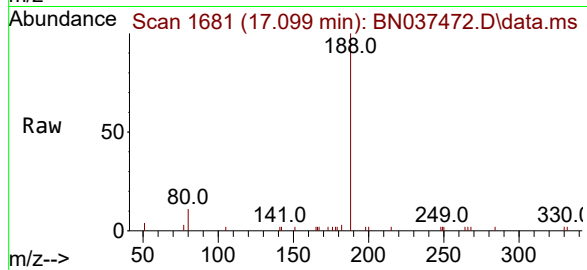
Tgt Ion:188 Resp: 3689

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.7 9.3 13.9



#20

4,6-Dinitro-2-methylphenol

Concen: 4.053 ng

RT: 15.478 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

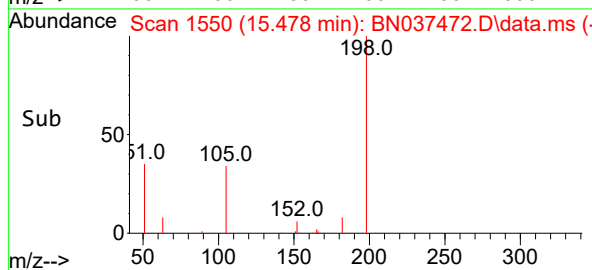
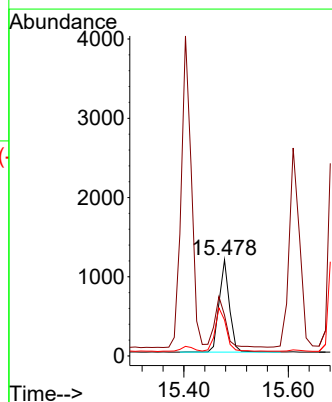
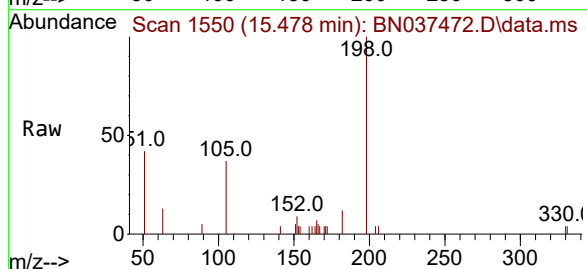
Tgt Ion:198 Resp: 1680

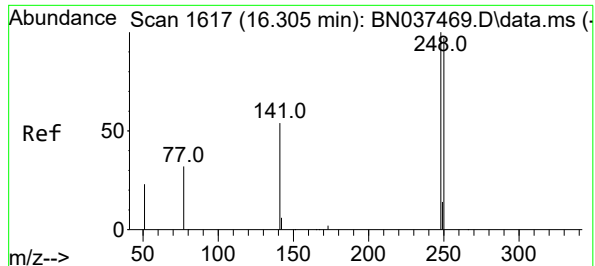
Ion Ratio Lower Upper

198 100

51 42.4 86.0 129.0#

105 37.5 53.0 79.4#

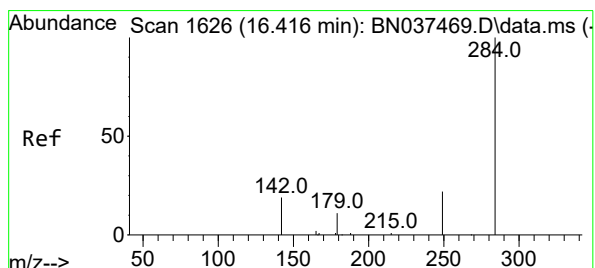
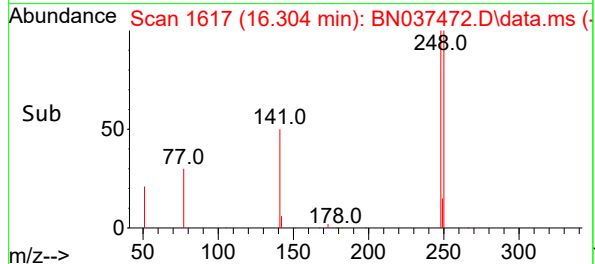
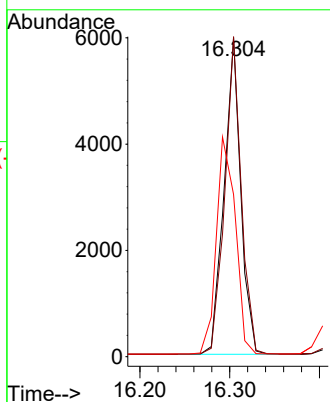
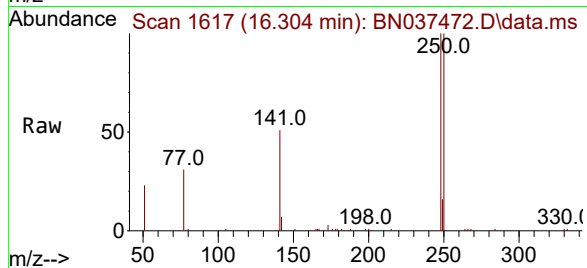




#21
4-Bromophenyl-phenylether
Concen: 3.339 ng
RT: 16.304 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

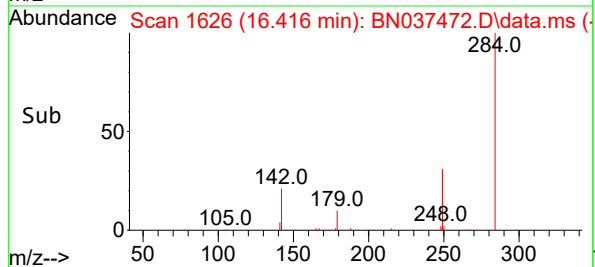
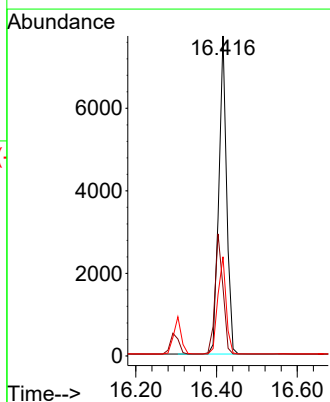
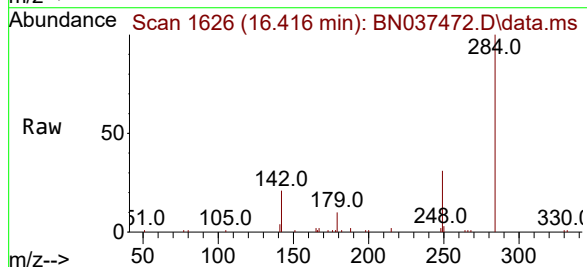
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

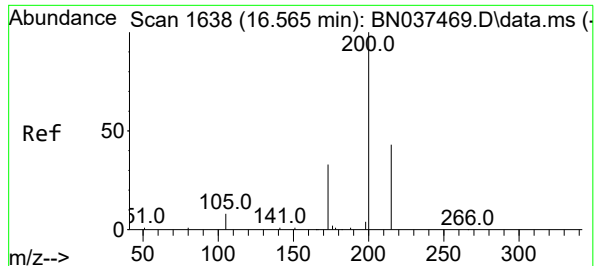
Tgt Ion:248 Resp: 7684
Ion Ratio Lower Upper
248 100
250 100.3 77.8 116.6
141 50.8 45.9 68.9



#22
Hexachlorobenzene
Concen: 3.258 ng
RT: 16.416 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

Tgt Ion:284 Resp: 10345
Ion Ratio Lower Upper
284 100
142 38.7 31.3 46.9
249 32.5 26.6 40.0

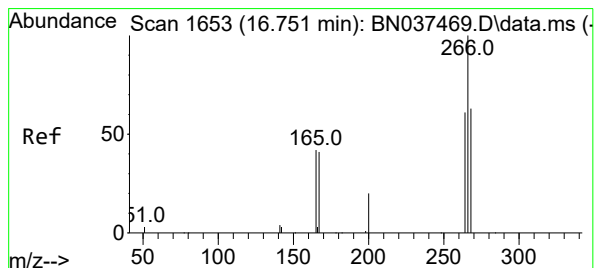
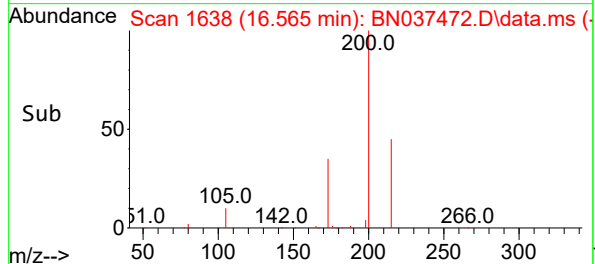
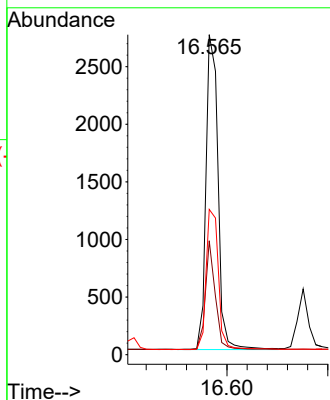
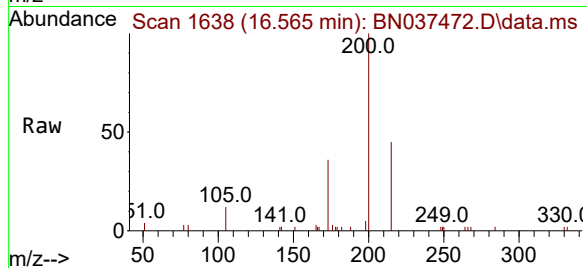




#23
Atrazine
Concen: 3.955 ng
RT: 16.565 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

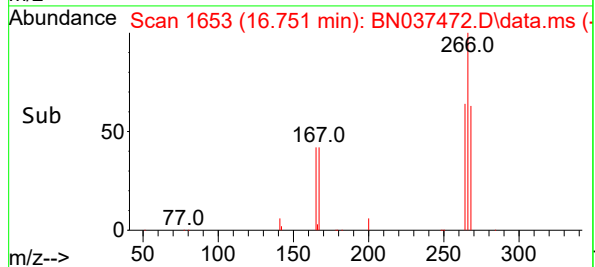
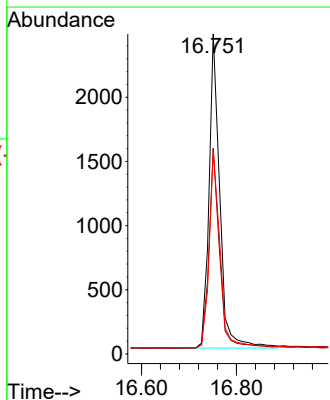
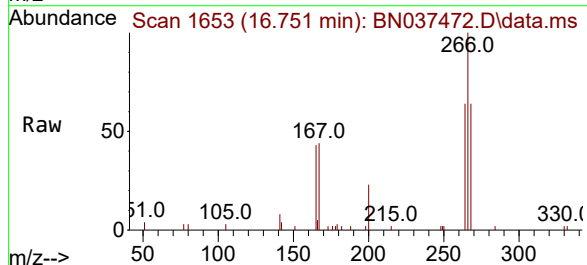
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

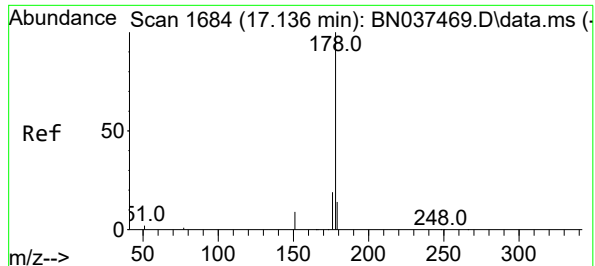
Tgt Ion	Ratio	Lower	Upper
200	100		
173	35.6	34.3	51.5
215	45.4	41.6	62.4



#24
Pentachlorophenol
Concen: 3.532 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.1	47.5	71.3
268	63.5	50.6	76.0

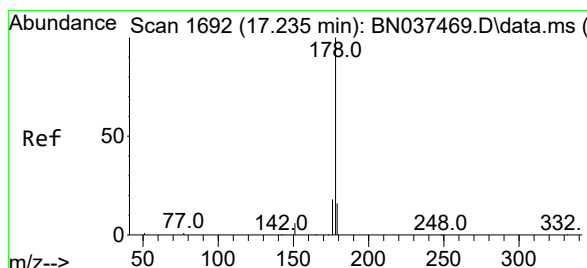
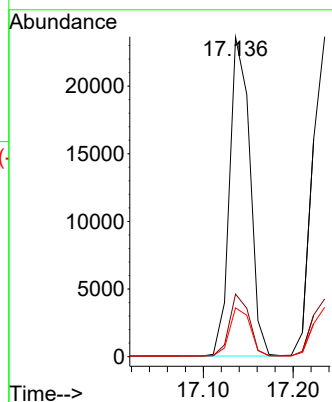
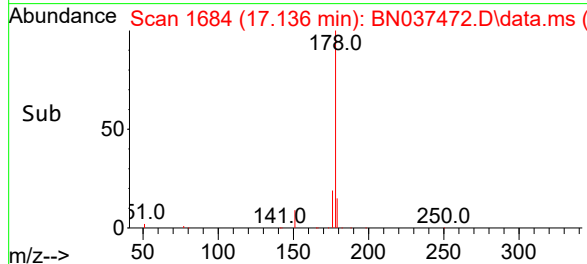
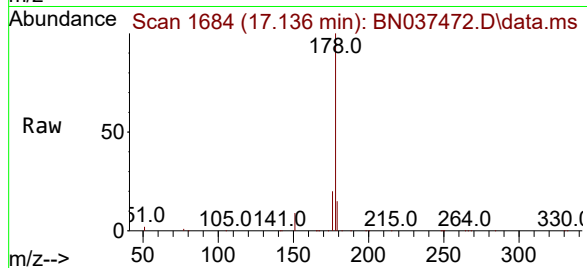




#25
Phenanthrene
Concen: 3.299 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

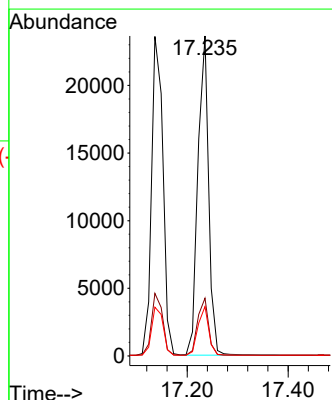
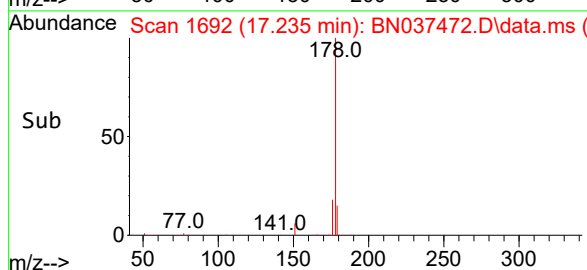
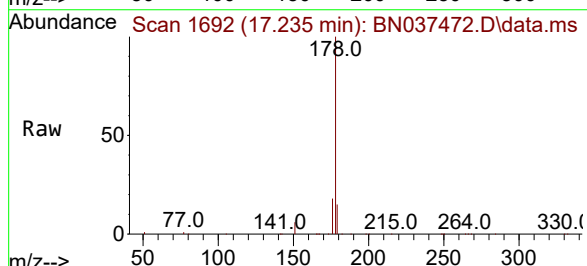
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

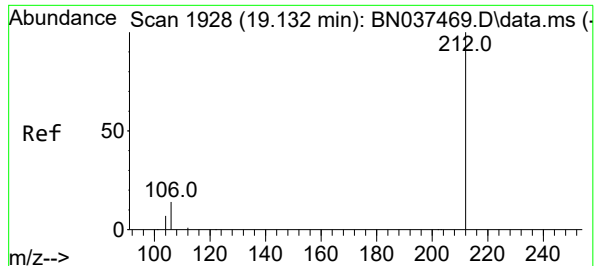
Tgt Ion:178 Resp: 37061
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.3 12.2 18.2



#26
Anthracene
Concen: 3.450 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN037472.D
Acq: 11 Jul 2025 14:12

Tgt Ion:178 Resp: 34968
Ion Ratio Lower Upper
178 100
176 18.2 14.9 22.3
179 15.2 12.3 18.5





#27

Fluoranthene-d10

Concen: 3.328 ng

RT: 19.132 min Scan# 1928

Delta R.T. -0.000 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

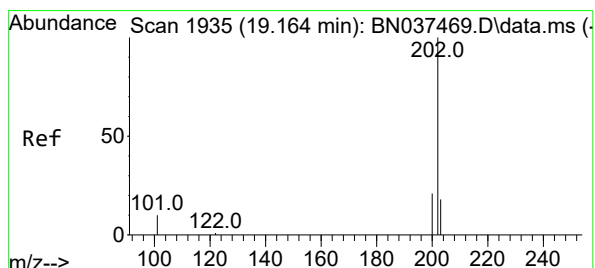
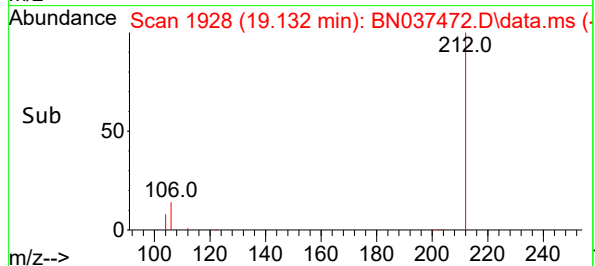
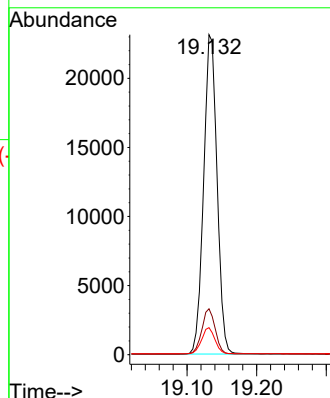
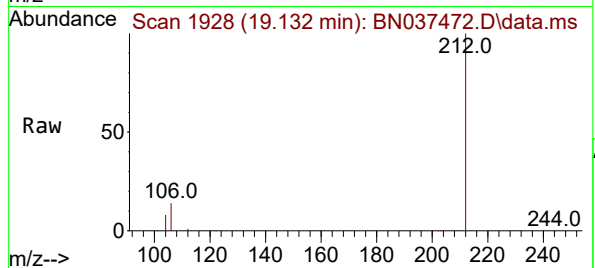
Tgt Ion:212 Resp: 30970

Ion Ratio Lower Upper

212 100

106 14.1 11.7 17.5

104 8.1 6.6 10.0



#28

Fluoranthene

Concen: 3.485 ng

RT: 19.164 min Scan# 1935

Delta R.T. -0.000 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

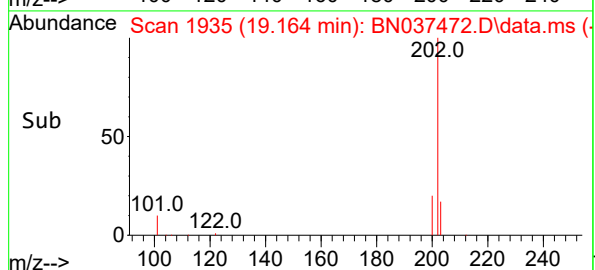
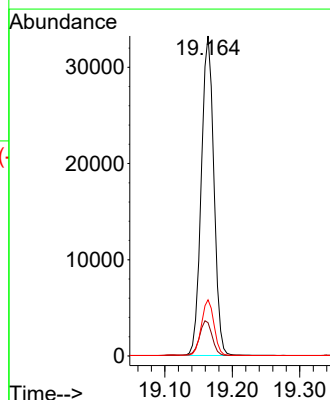
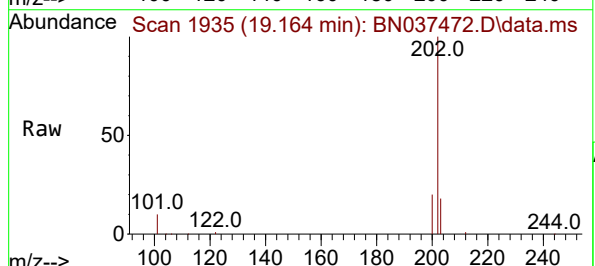
Tgt Ion:202 Resp: 42951

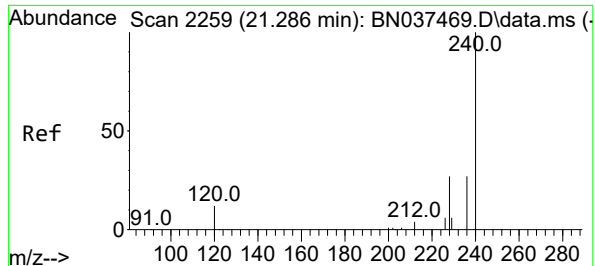
Ion Ratio Lower Upper

202 100

101 11.2 9.2 13.8

203 17.3 14.0 21.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

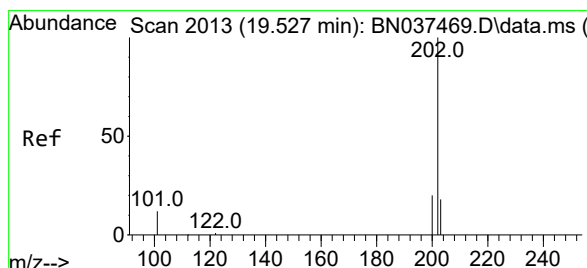
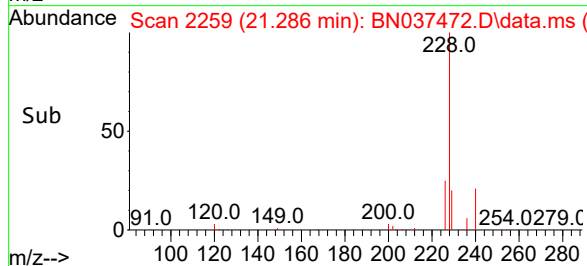
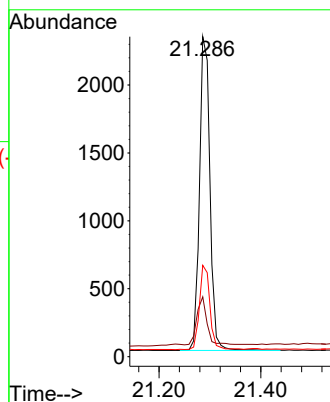
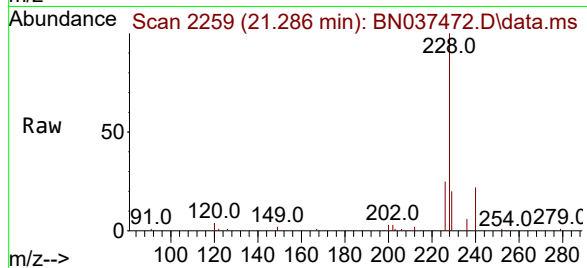
Tgt Ion:240 Resp: 3278

Ion Ratio Lower Upper

240 100

120 18.7 12.4 18.6#

236 28.6 22.9 34.3



#30

Pyrene

Concen: 3.173 ng

RT: 19.526 min Scan# 2013

Delta R.T. -0.000 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

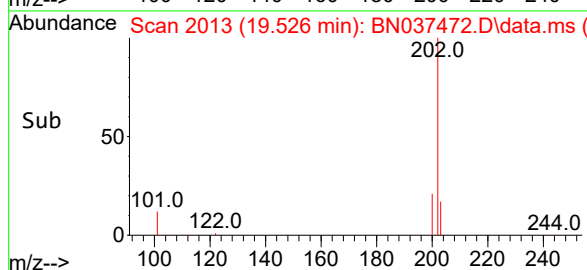
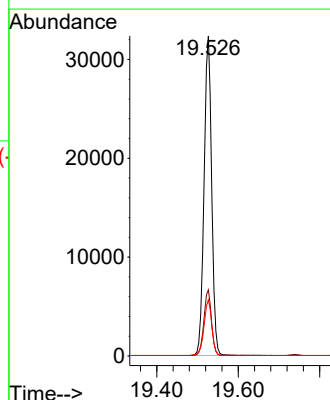
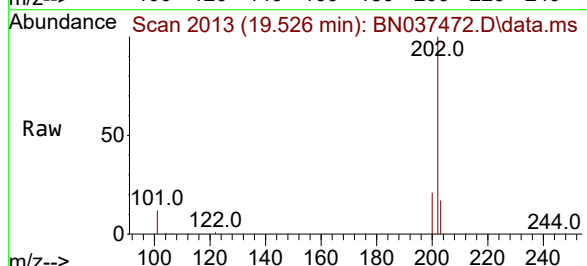
Tgt Ion:202 Resp: 41820

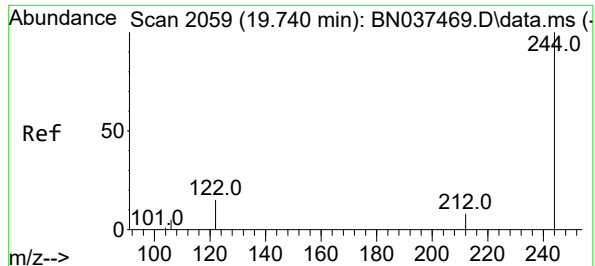
Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

203 17.8 14.3 21.5





#31

Terphenyl-d14

Concen: 3.197 ng

RT: 19.740 min Scan# 2059

Delta R.T. -0.000 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

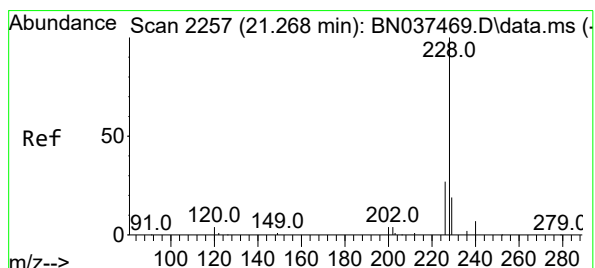
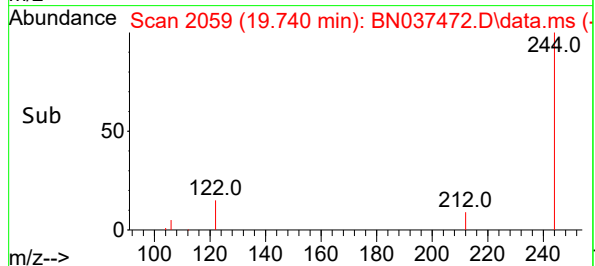
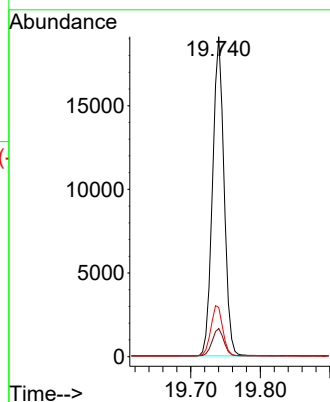
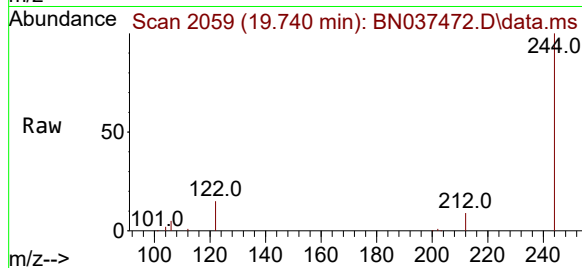
Tgt Ion:244 Resp: 21864

Ion Ratio Lower Upper

244 100

212 8.8 8.7 13.1

122 15.4 14.1 21.1



#32

Benzo(a)anthracene

Concen: 3.374 ng

RT: 21.277 min Scan# 2258

Delta R.T. 0.009 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

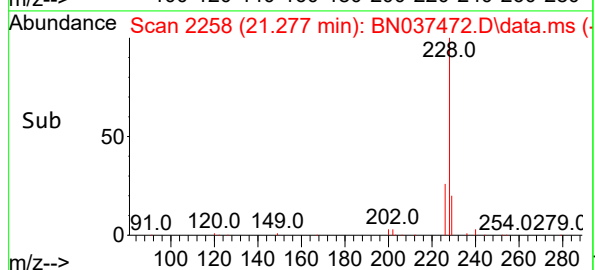
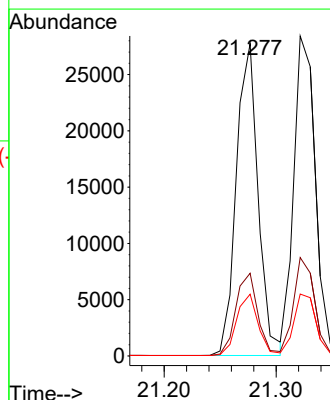
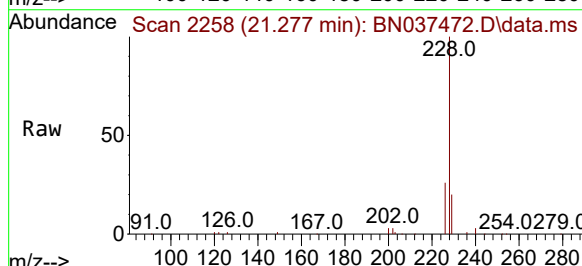
Tgt Ion:228 Resp: 37454

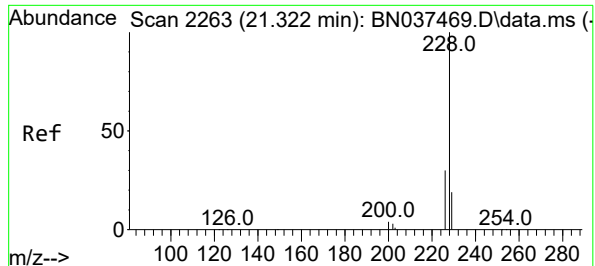
Ion Ratio Lower Upper

228 100

226 26.5 22.7 34.1

229 19.8 16.6 24.8





#33

Chrysene

Concen: 3.164 ng

RT: 21.321 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

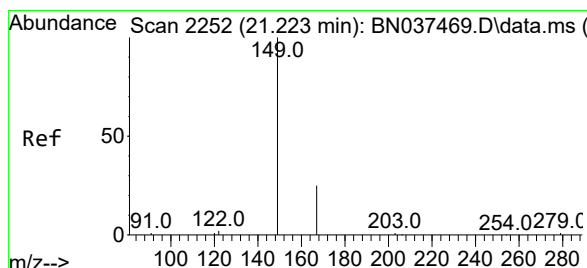
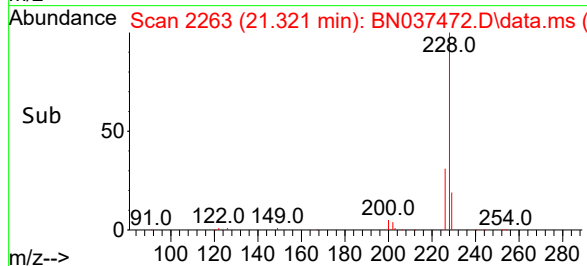
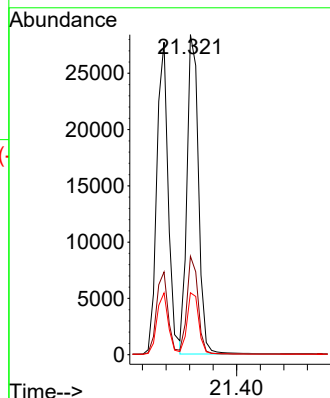
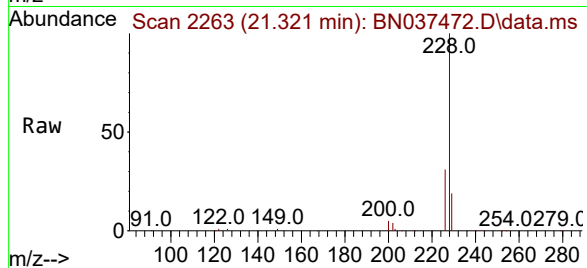
Tgt Ion:228 Resp: 38393

Ion Ratio Lower Upper

228 100

226 30.7 24.6 36.8

229 19.4 16.4 24.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 3.243 ng

RT: 21.232 min Scan# 2253

Delta R.T. 0.009 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

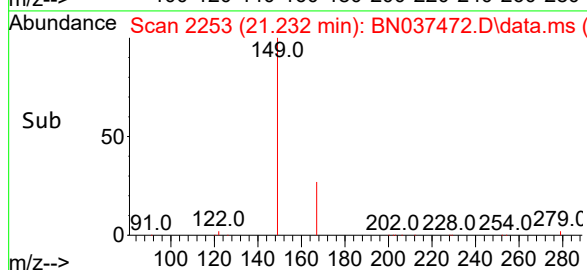
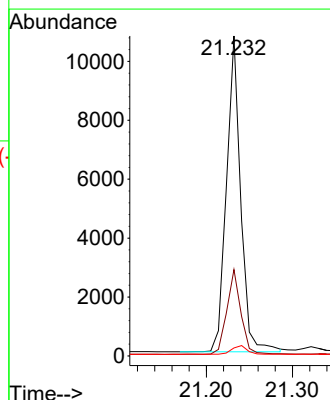
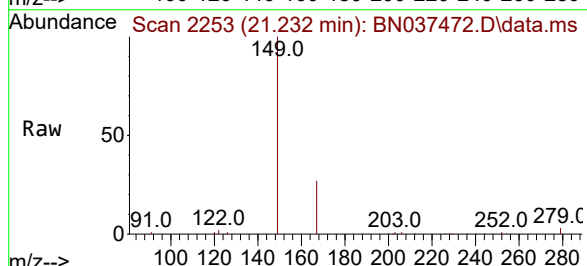
Tgt Ion:149 Resp: 12243

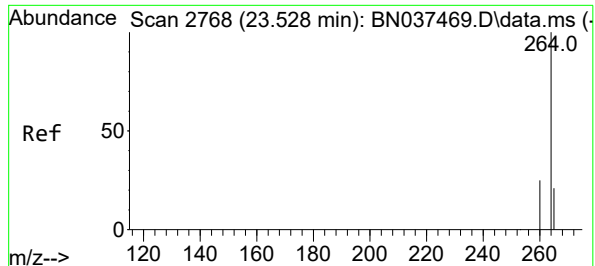
Ion Ratio Lower Upper

149 100

167 26.3 19.4 29.2

279 3.0 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.534 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN037472.D

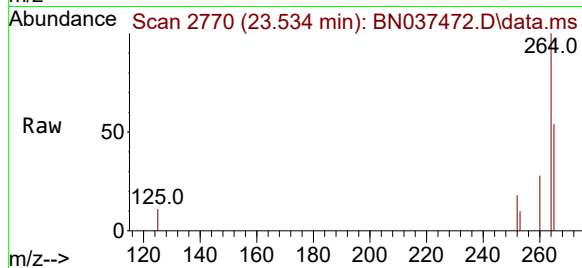
Acq: 11 Jul 2025 14:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



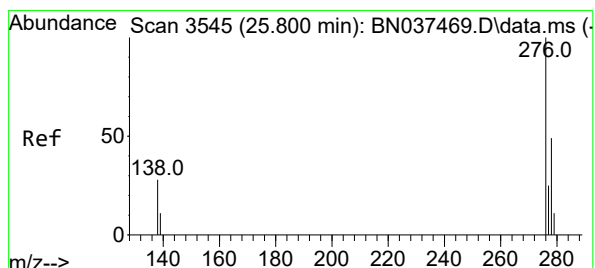
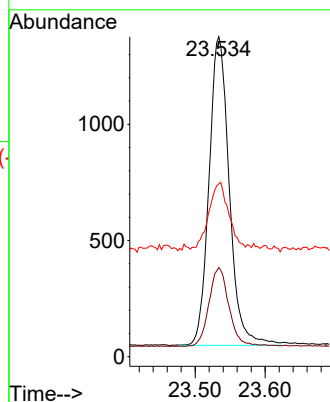
Tgt Ion:264 Resp: 2672

Ion Ratio Lower Upper

264 100

260 27.9 21.7 32.5

265 54.0 41.6 62.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.624 ng

RT: 25.808 min Scan# 3548

Delta R.T. 0.009 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

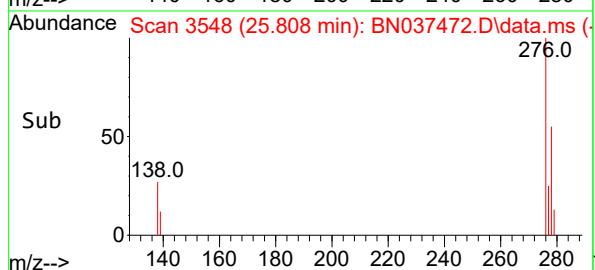
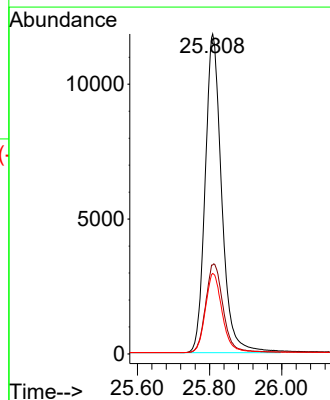
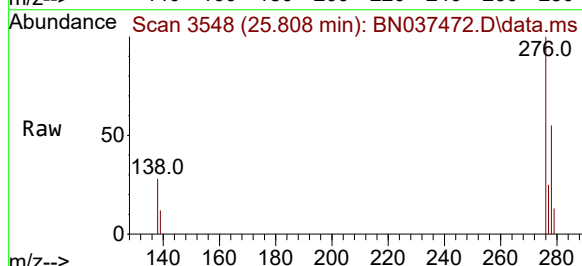
Tgt Ion:276 Resp: 37588

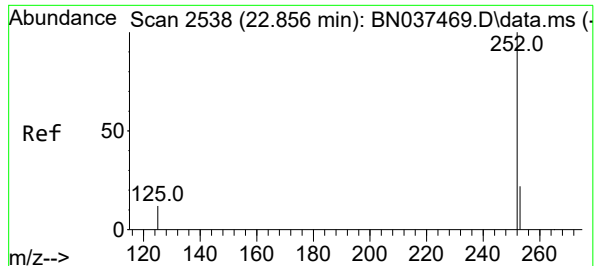
Ion Ratio Lower Upper

276 100

138 29.5 23.4 35.2

277 25.2 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 3.445 ng

RT: 22.861 min Scan# 2538

Delta R.T. 0.006 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

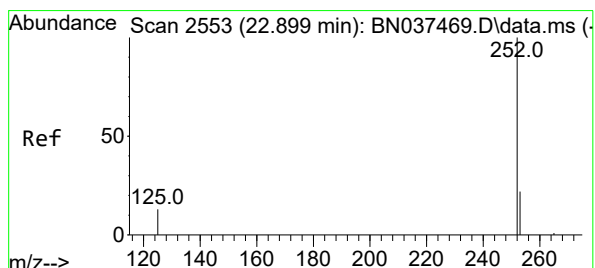
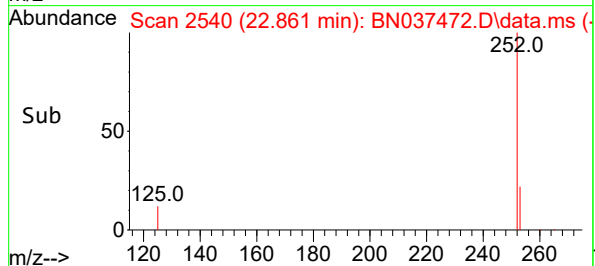
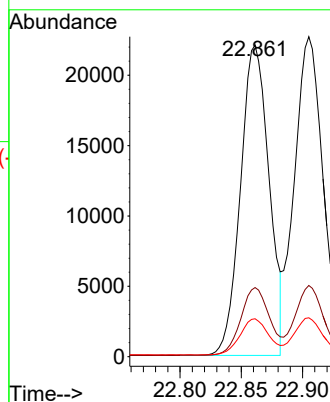
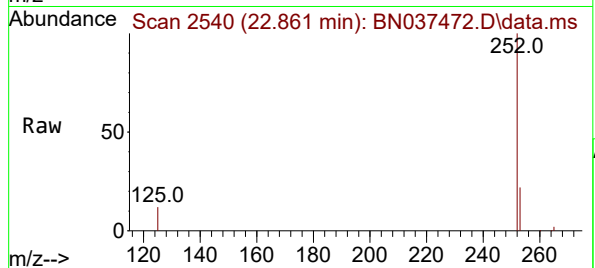
Tgt Ion:252 Resp: 35793

Ion Ratio Lower Upper

252 100

253 22.2 20.1 30.1

125 12.2 13.7 20.5#



#38

Benzo(k)fluoranthene

Concen: 3.541 ng

RT: 22.905 min Scan# 2555

Delta R.T. 0.006 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

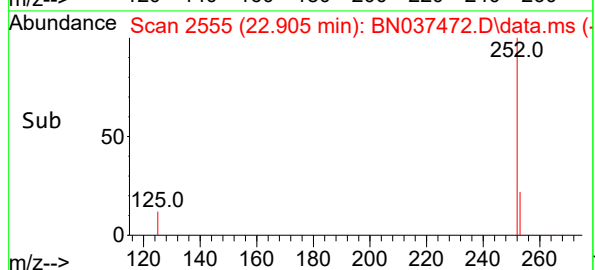
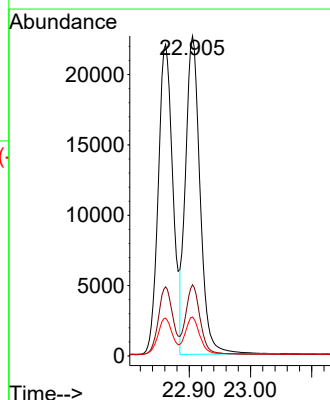
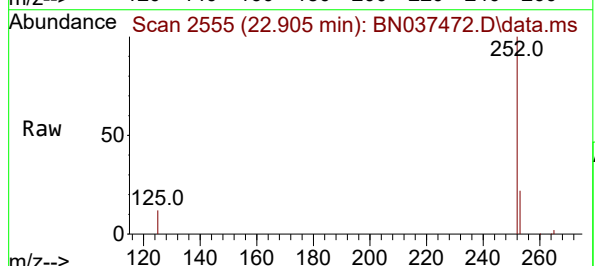
Tgt Ion:252 Resp: 37293

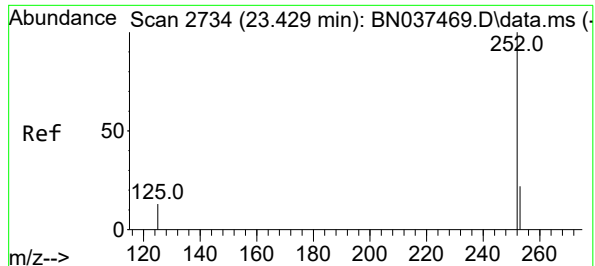
Ion Ratio Lower Upper

252 100

253 22.2 20.4 30.6

125 12.2 14.6 21.8#





#39

Benzo(a)pyrene

Concen: 3.573 ng

RT: 23.437 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN037472.D

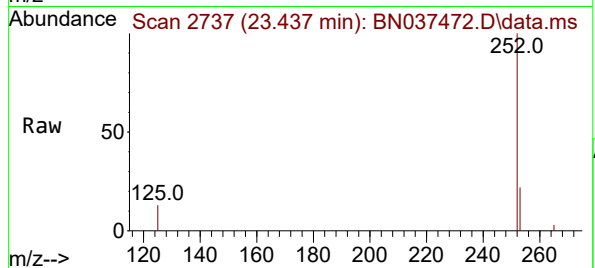
Acq: 11 Jul 2025 14:12

Instrument :

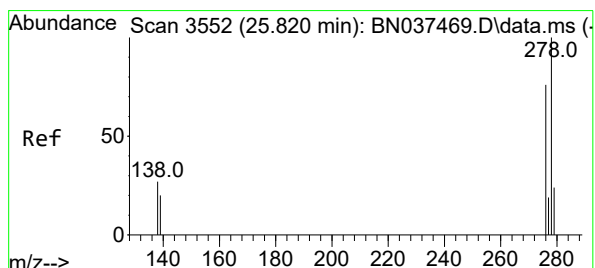
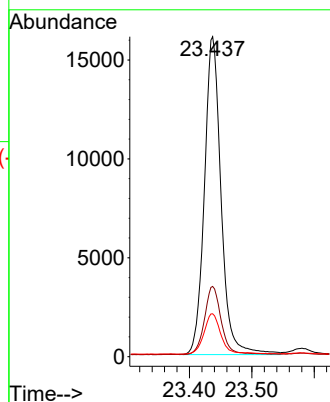
BNA_N

ClientSampleId :

SSTDICC3.2



Tgt Ion:	252	Resp:	29875
Ion Ratio	Lower	Upper	
252	100		
253	21.9	21.8	32.6
125	13.4	16.7	25.1



#40

Dibenzo(a,h)anthracene

Concen: 3.685 ng

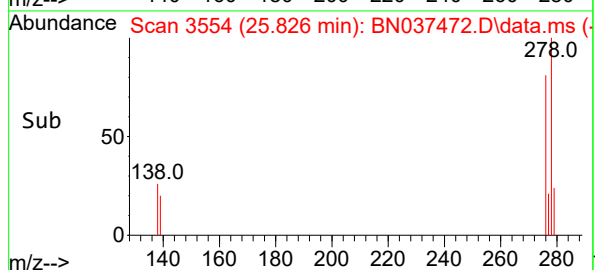
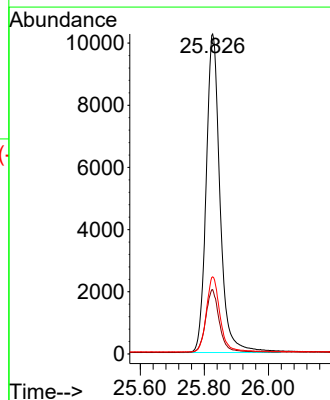
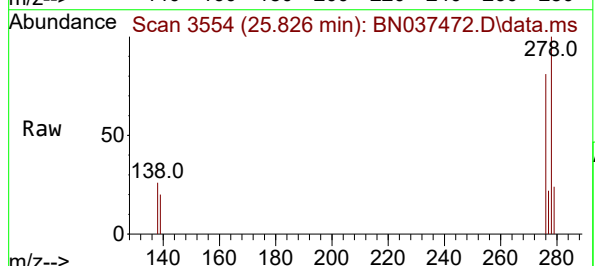
RT: 25.826 min Scan# 3554

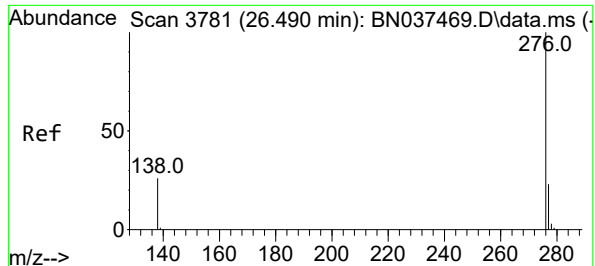
Delta R.T. 0.006 min

Lab File: BN037472.D

Acq: 11 Jul 2025 14:12

Tgt Ion:	278	Resp:	30827
Ion Ratio	Lower	Upper	
278	100		
139	20.1	19.9	29.9
279	24.1	24.8	37.2





#41

Benzo(g,h,i)perylene

Concen: 3.515 ng

RT: 26.495 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN037472.D

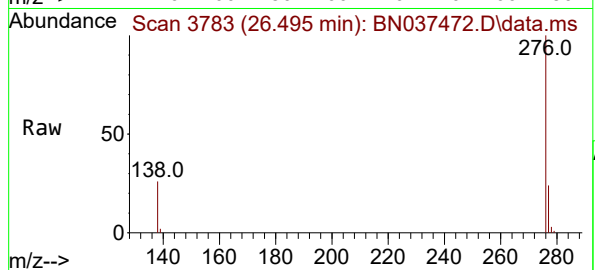
Acq: 11 Jul 2025 14:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



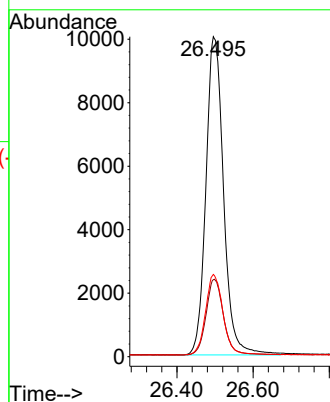
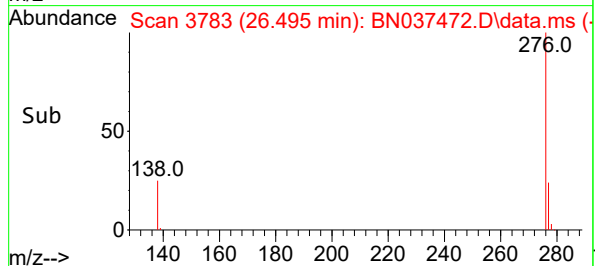
Tgt Ion:276 Resp: 32205

Ion Ratio Lower Upper

276 100

277 24.0 21.7 32.5

138 25.7 24.3 36.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
 Data File : BN037473.D
 Acq On : 11 Jul 2025 14:49
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Quant Time: Jul 11 15:27:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:17:19 2025
 Response via : Initial Calibration

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

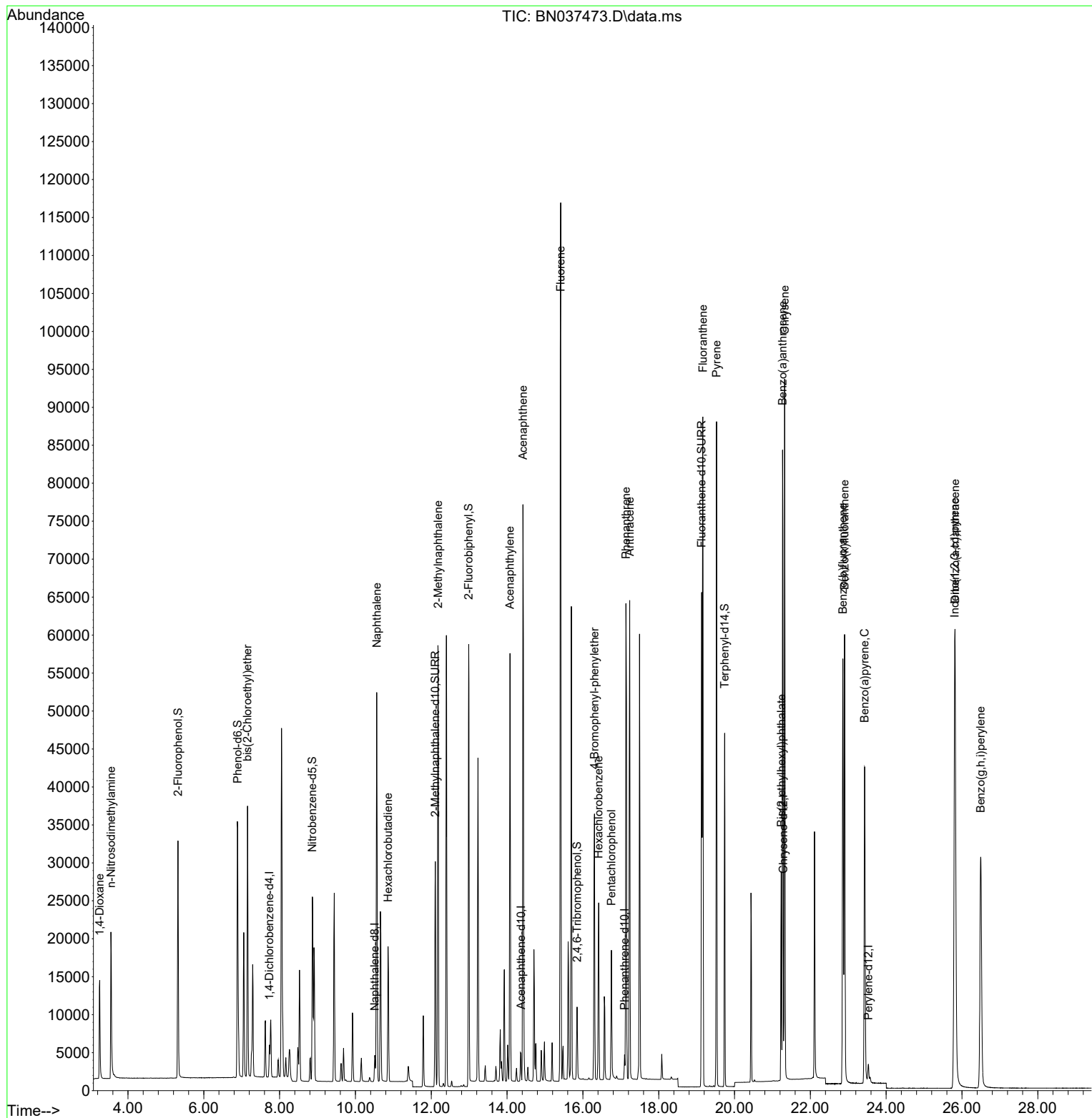
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	1975	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	4428	0.400	ng	0.00
13) Acenaphthene-d10	14.366	164	2274	0.400	ng	0.00
19) Phenanthrene-d10	17.099	188	3996	0.400	ng	0.00
29) Chrysene-d12	21.286	240	3738	0.400	ng	0.00
35) Perylene-d12	23.531	264	2986	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	24359	5.299	ng	0.00
5) Phenol-d6	6.894	99	29973	5.183	ng	0.00
8) Nitrobenzene-d5	8.865	82	18423	5.732	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	38139	6.336	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	5183	6.721	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	71026	5.472	ng	0.00
27) Fluoranthene-d10	19.132	212	66747	6.621	ng	0.00
31) Terphenyl-d14	19.740	244	42184	5.409	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	8504	4.585	ng	96
3) n-Nitrosodimethylamine	3.550	42	12758	5.145	ng	95
6) bis(2-Chloroethyl)ether	7.154	93	24098	4.980	ng	100
9) Naphthalene	10.562	128	63085	5.302	ng	96
10) Hexachlorobutadiene	10.861	225	14520	5.080	ng	# 99
12) 2-Methylnaphthalene	12.182	142	41281	5.540	ng	99
16) Acenaphthylene	14.078	152	56500	5.449	ng	99
17) Acenaphthene	14.420	154	38089	5.475	ng	96
18) Fluorene	15.414	166	48979	5.603	ng	98
21) 4-Bromophenyl-phenylether	16.305	248	13953	5.597	ng	95
22) Hexachlorobenzene	16.416	284	17904	5.205	ng	99
24) Pentachlorophenol	16.751	266	7775	6.564	ng	98
25) Phenanthrene	17.136	178	67213	5.524	ng	100
26) Anthracene	17.235	178	64260	5.852	ng	99
28) Fluoranthene	19.164	202	78520	5.881	ng	100
30) Pyrene	19.527	202	77002	5.124	ng	100
32) Benzo(a)anthracene	21.268	228	69627	5.500	ng	98
33) Chrysene	21.322	228	72035	5.206	ng	98
34) Bis(2-ethylhexyl)phtha...	21.232	149	25087	5.828	ng	97
36) Indeno(1,2,3-cd)pyrene	25.806	276	73642	6.354	ng	99
37) Benzo(b)fluoranthene	22.859	252	69826	6.013	ng	# 91
38) Benzo(k)fluoranthene	22.902	252	70616	5.999	ng	# 90
39) Benzo(a)pyrene	23.432	252	57809	6.186	ng	# 87
40) Dibenzo(a,h)anthracene	25.820	278	60364	6.458	ng	# 88
41) Benzo(g,h,i)perylene	26.493	276	62808	6.134	ng	92

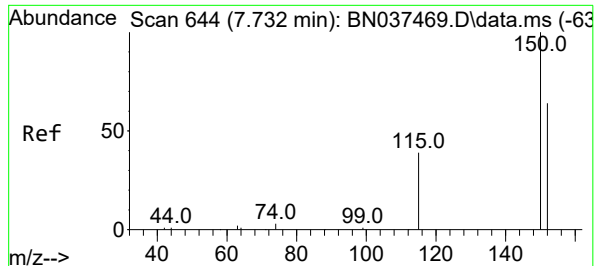
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
Data File : BN037473.D
Acq On : 11 Jul 2025 14:49
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Jul 11 15:27:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:17:19 2025
Response via : Initial Calibration

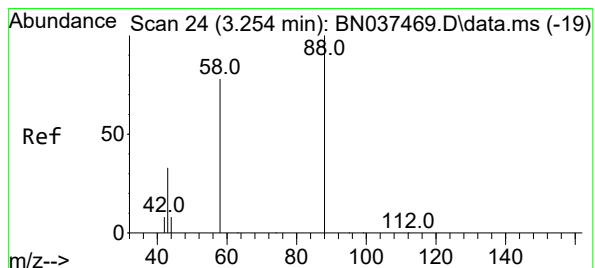
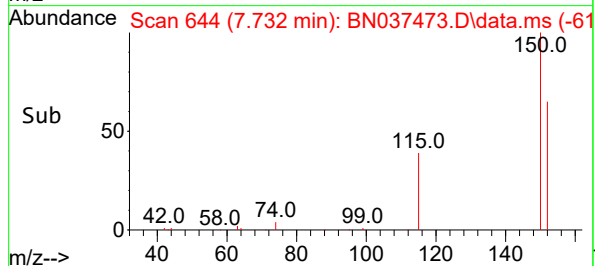
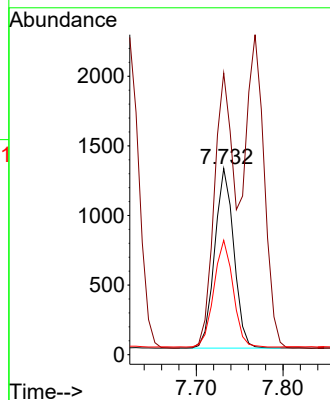
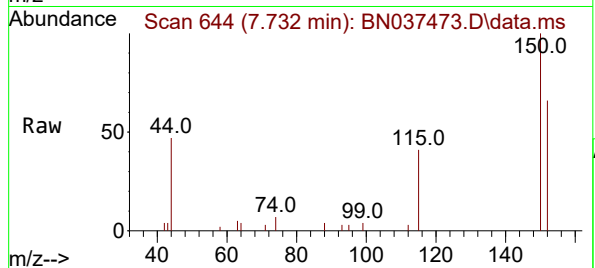




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.732 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

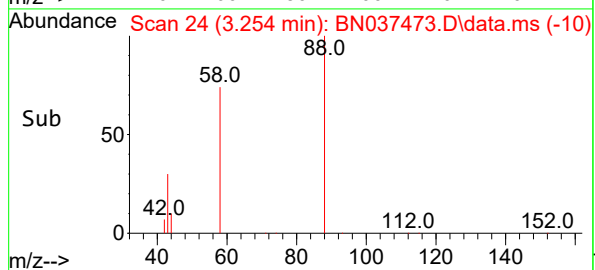
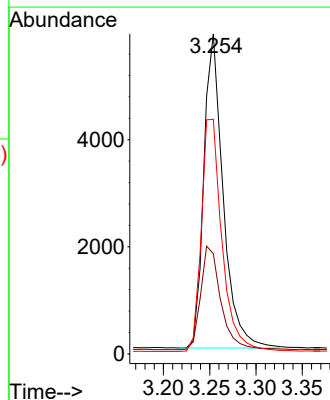
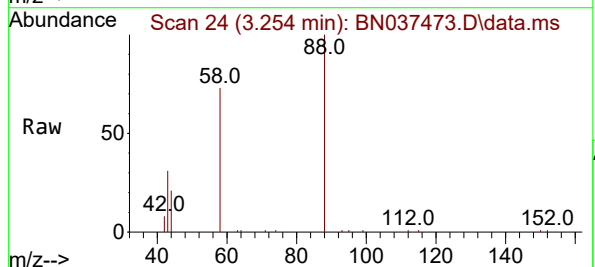
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

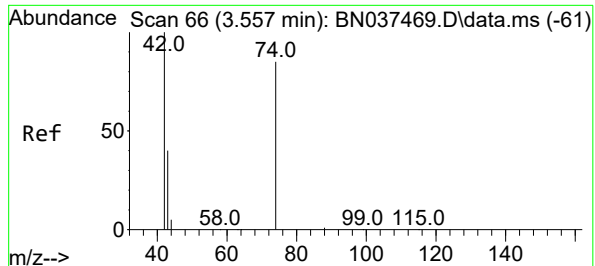
Tgt Ion:152 Resp: 1975
Ion Ratio Lower Upper
152 100
150 151.2 122.5 183.7
115 61.4 49.9 74.9



#2
1,4-Dioxane
Concen: 4.585 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

Tgt Ion: 88 Resp: 8504
Ion Ratio Lower Upper
88 100
43 34.4 30.7 46.1
58 79.0 65.0 97.4

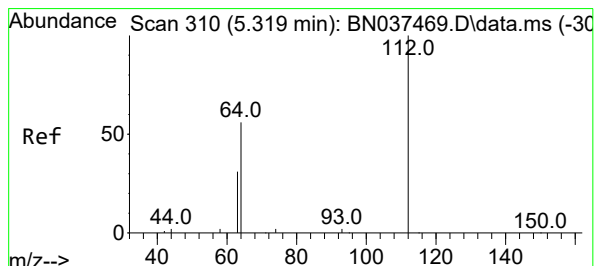
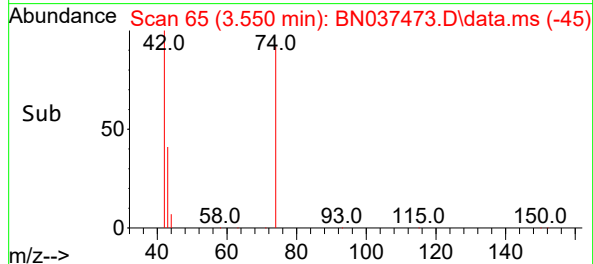
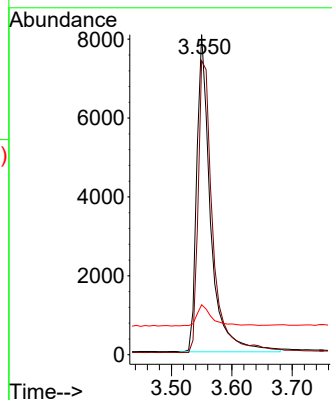
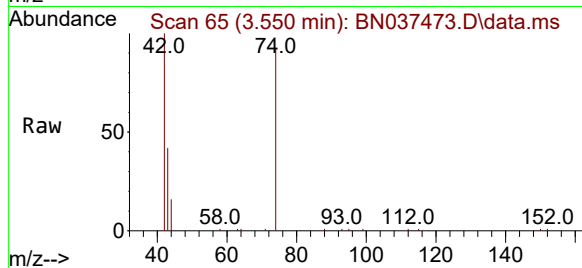




#3
n-Nitrosodimethylamine
Concen: 5.145 ng
RT: 3.550 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

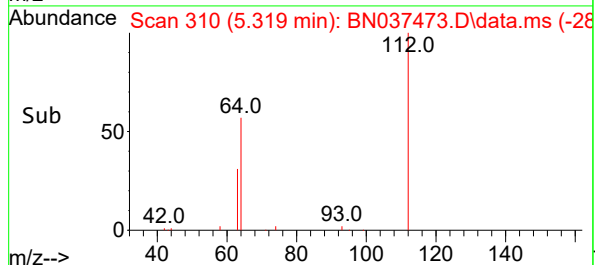
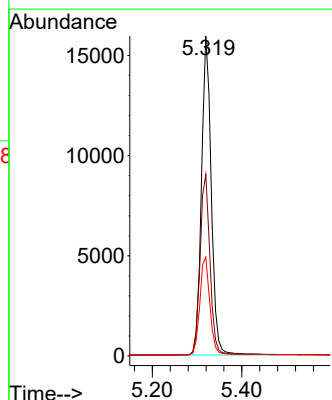
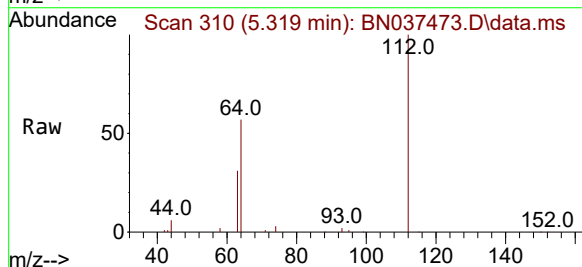
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

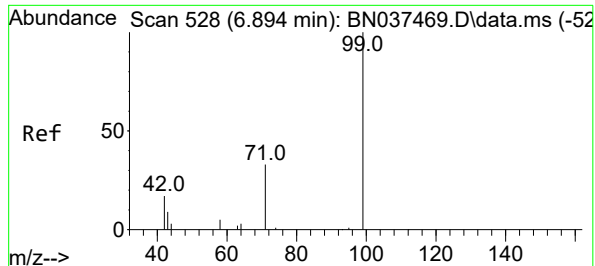
Tgt Ion: 42 Resp: 12758
Ion Ratio Lower Upper
42 100
74 98.2 74.9 112.3
44 7.3 7.2 10.8



#4
2-Fluorophenol
Concen: 5.299 ng
RT: 5.319 min Scan# 310
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

Tgt Ion: 112 Resp: 24359
Ion Ratio Lower Upper
112 100
64 57.5 45.4 68.0
63 31.5 24.7 37.1

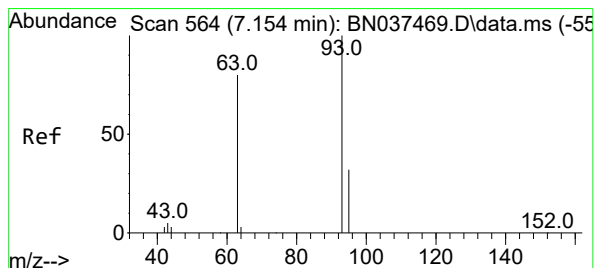
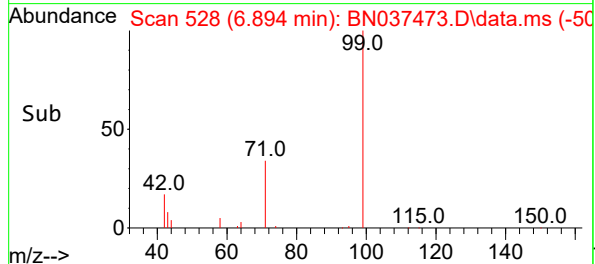
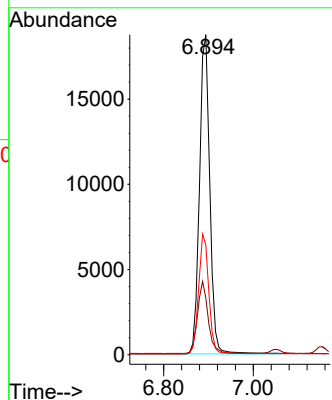
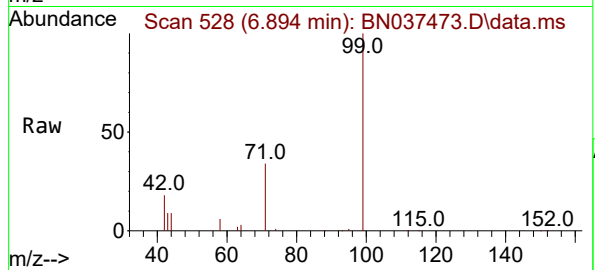




#5
Phenol-d6
Concen: 5.183 ng
RT: 6.894 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

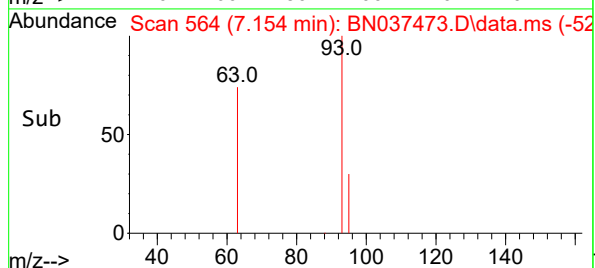
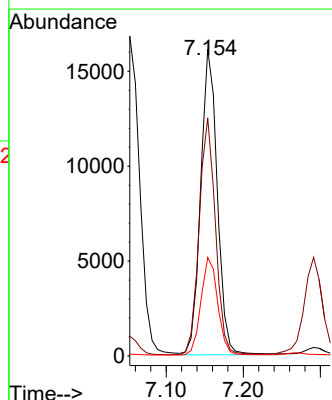
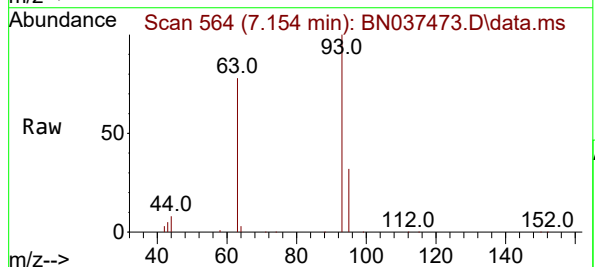
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

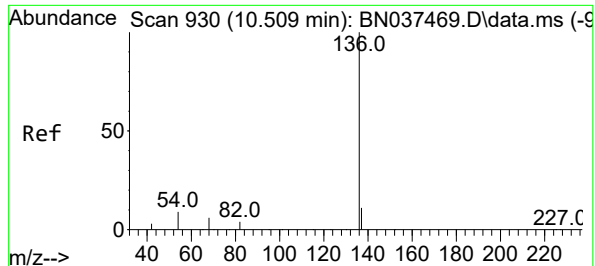
Tgt Ion	Ratio	Lower	Upper
99	100		
42	23.2	19.5	29.3
71	37.1	29.4	44.2



#6
bis(2-Chloroethyl)ether
Concen: 4.980 ng
RT: 7.154 min Scan# 564
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

Tgt Ion	Ratio	Lower	Upper
93	100		
63	75.8	60.8	91.2
95	32.1	25.6	38.4

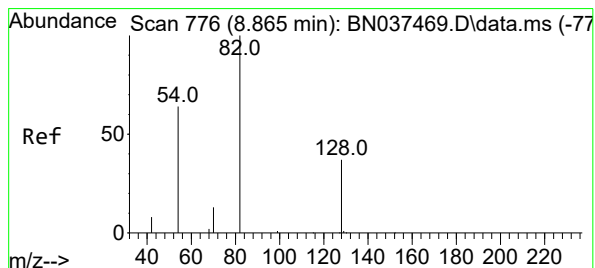
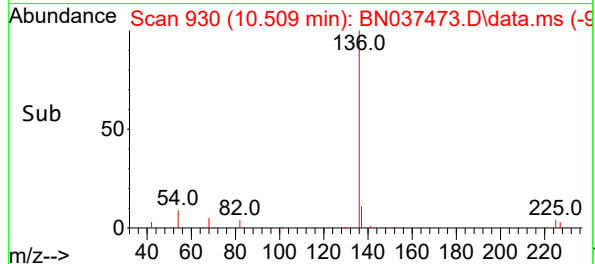
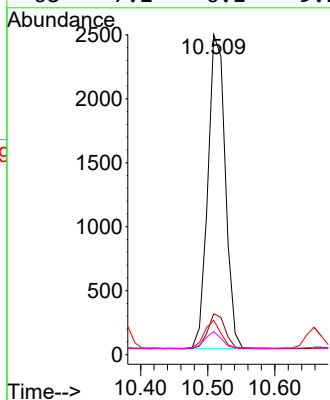
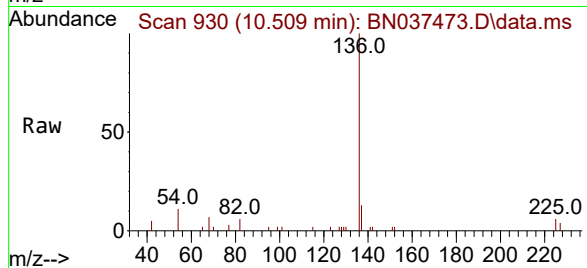




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

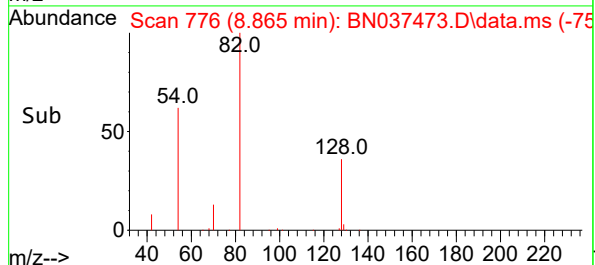
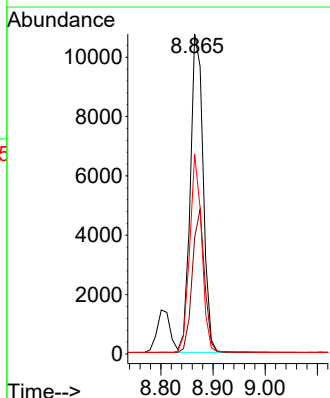
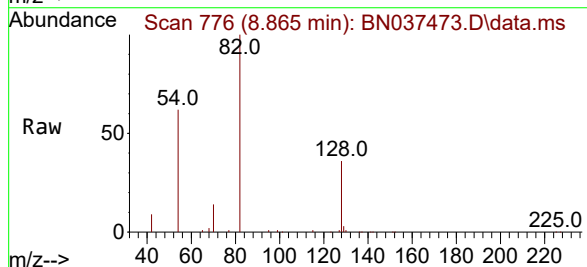
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

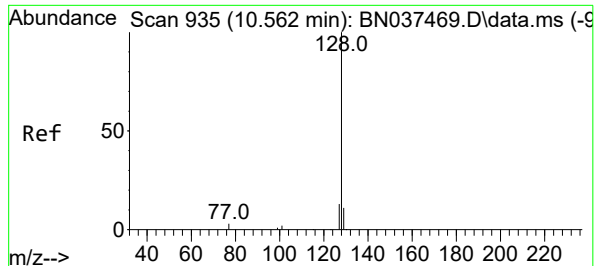
Tgt Ion:	136	Resp:	4428
Ion	Ratio	Lower	Upper
136	100		
137	12.8	10.0	15.0
54	10.8	9.0	13.6
68	7.2	6.1	9.1



#8
Nitrobenzene-d5
Concen: 5.732 ng
RT: 8.865 min Scan# 776
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

Tgt Ion:	82	Resp:	18423
Ion	Ratio	Lower	Upper
82	100		
128	36.4	33.1	49.7
54	62.4	53.0	79.4

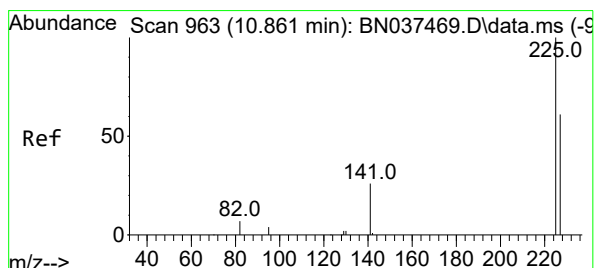
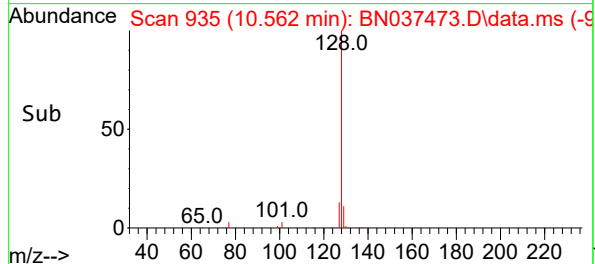
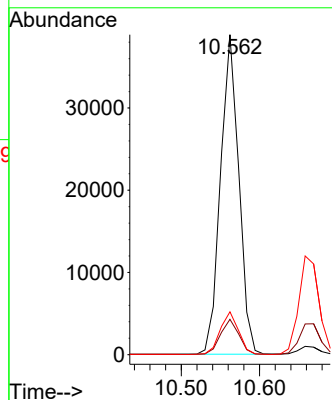
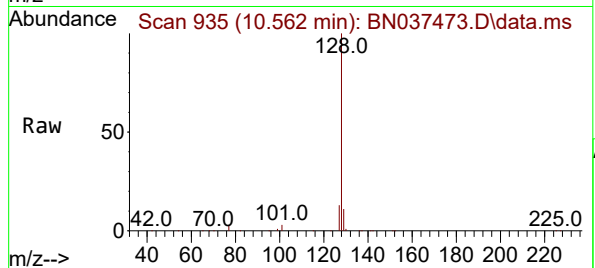




#9
Naphthalene
Concen: 5.302 ng
RT: 10.562 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

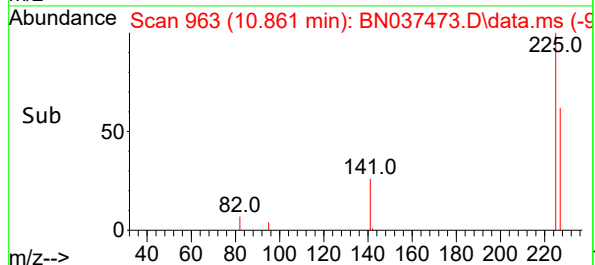
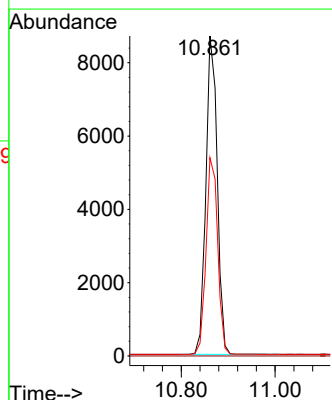
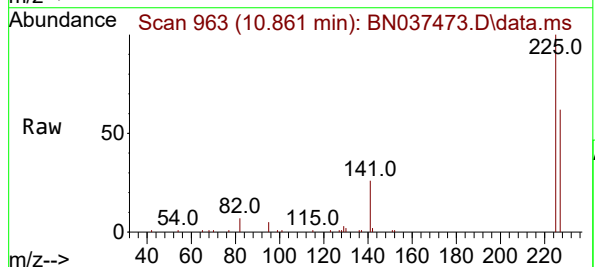
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

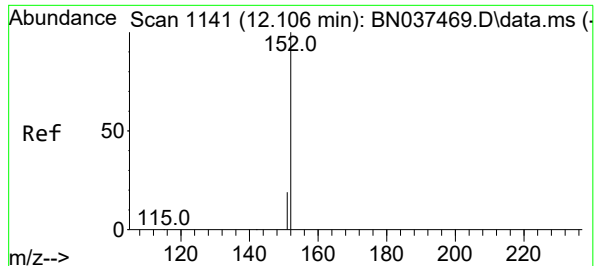
Tgt Ion:128 Resp: 63085
Ion Ratio Lower Upper
128 100
129 11.0 10.2 15.2
127 13.4 11.8 17.6



#10
Hexachlorobutadiene
Concen: 5.080 ng
RT: 10.861 min Scan# 963
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

Tgt Ion:225 Resp: 14520
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.5 51.4 77.2

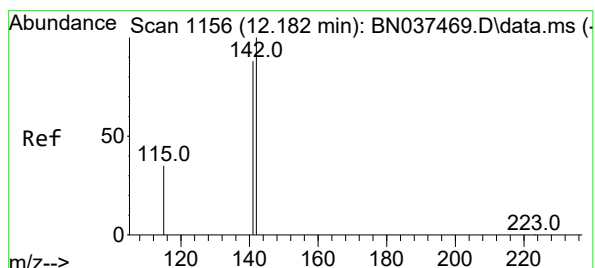
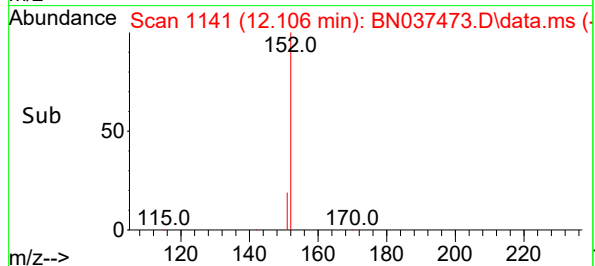
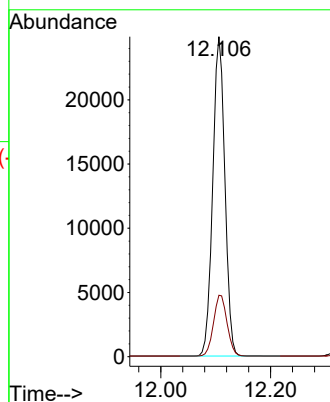
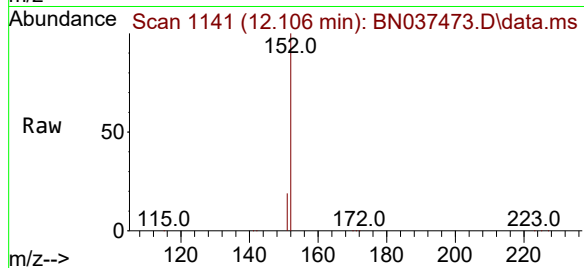




#11
2-Methylnaphthalene-d10
Concen: 6.336 ng
RT: 12.106 min Scan# 1141
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

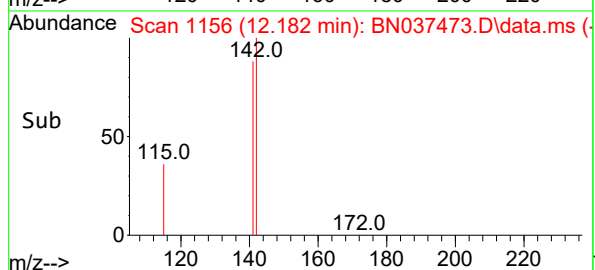
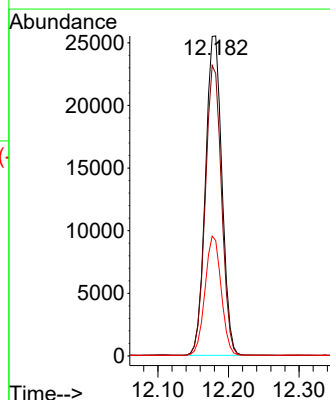
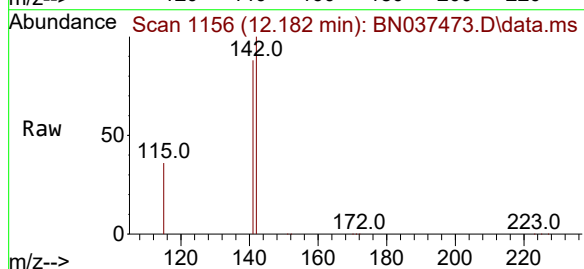
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

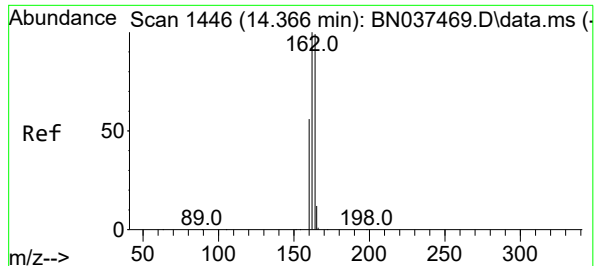
Tgt Ion:152 Resp: 38139
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6



#12
2-Methylnaphthalene
Concen: 5.540 ng
RT: 12.182 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

Tgt Ion:142 Resp: 41281
Ion Ratio Lower Upper
142 100
141 88.3 70.6 105.8
115 36.1 30.0 45.0

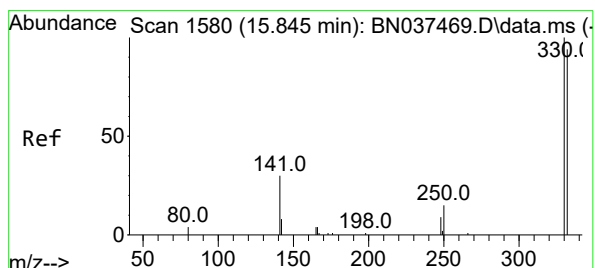
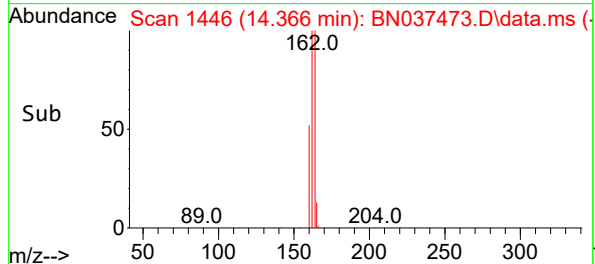
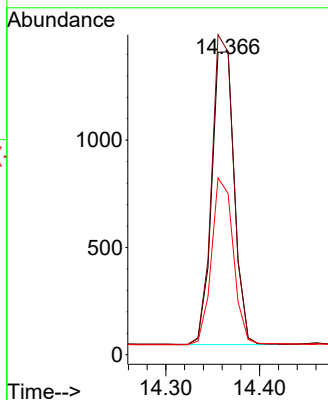
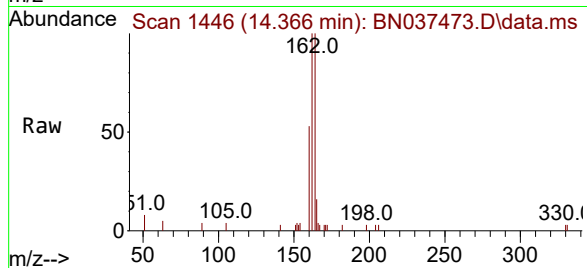




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

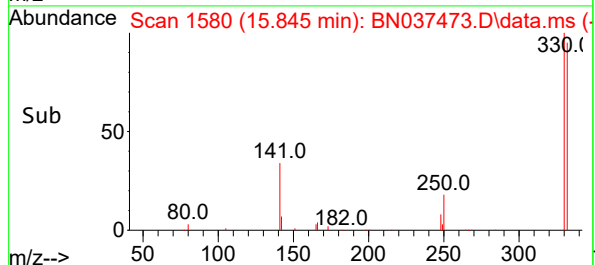
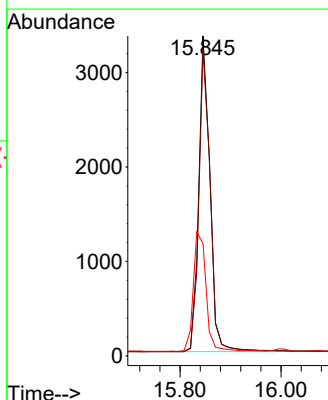
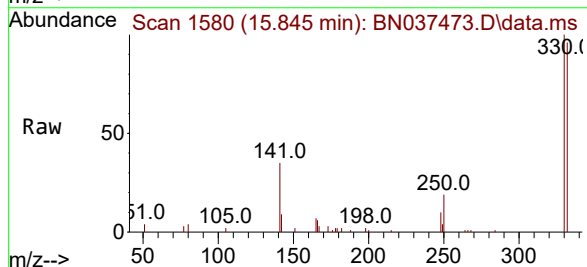
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

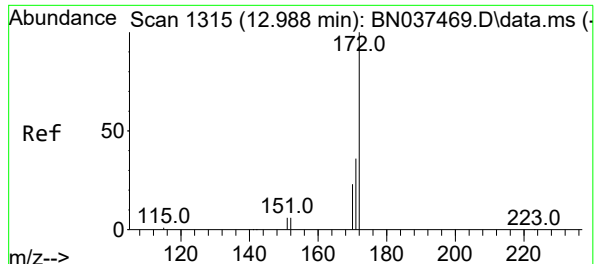
Tgt Ion:164 Resp: 2274
Ion Ratio Lower Upper
164 100
162 100.0 81.1 121.7
160 53.2 46.5 69.7



#14
2,4,6-Tribromophenol
Concen: 6.721 ng
RT: 15.845 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

Tgt Ion:330 Resp: 5183
Ion Ratio Lower Upper
330 100
332 96.5 82.0 123.0
141 42.9 36.2 54.2

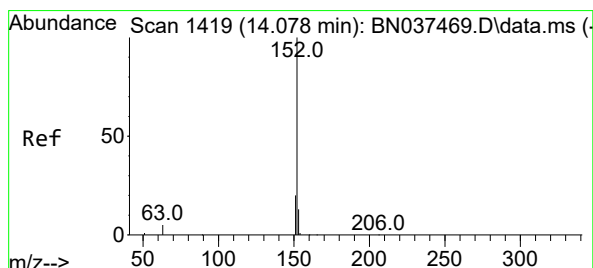
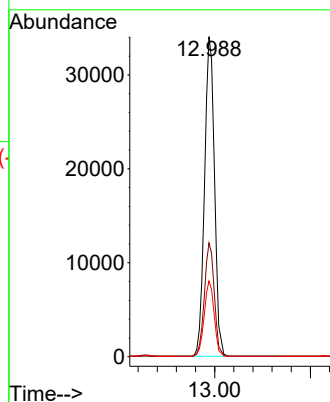
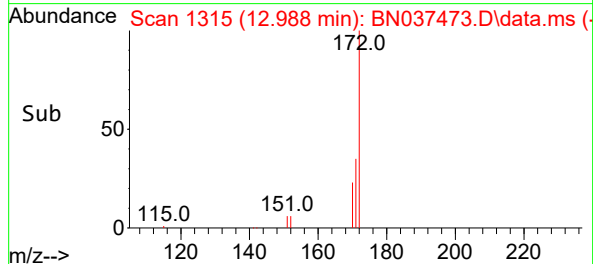
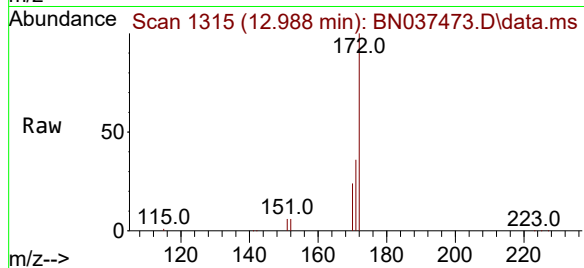




#15
2-Fluorobiphenyl
Concen: 5.472 ng
RT: 12.988 min Scan# 1315
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

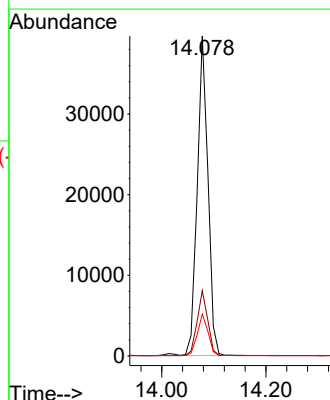
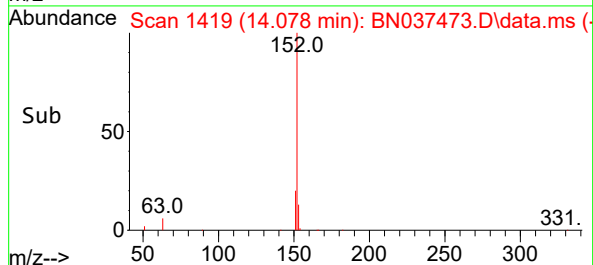
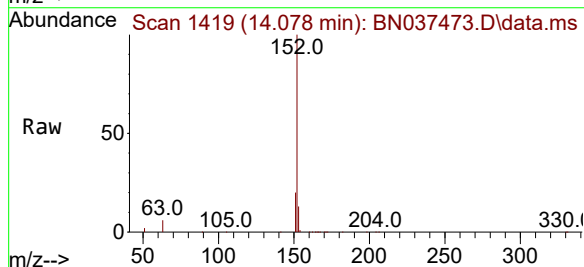
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

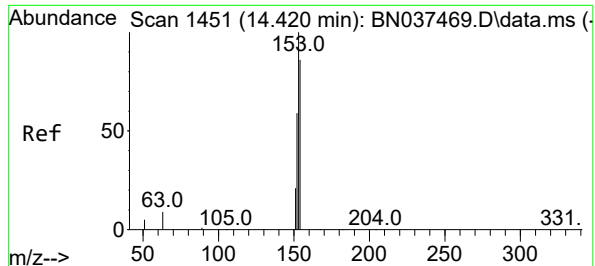
Tgt Ion:172 Resp: 71026
Ion Ratio Lower Upper
172 100
171 35.5 29.8 44.8
170 23.6 20.0 30.0



#16
Acenaphthylene
Concen: 5.449 ng
RT: 14.078 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

Tgt Ion:152 Resp: 56500
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 13.0 10.6 15.8

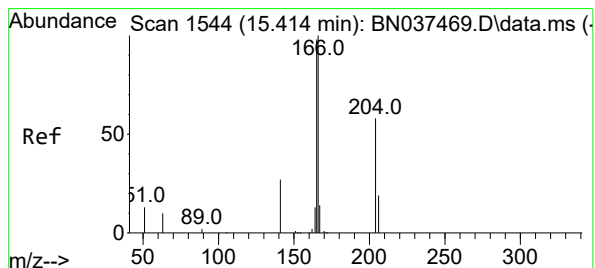
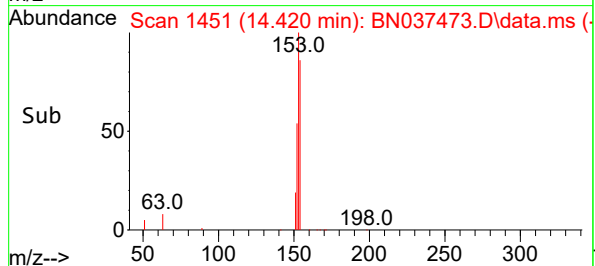
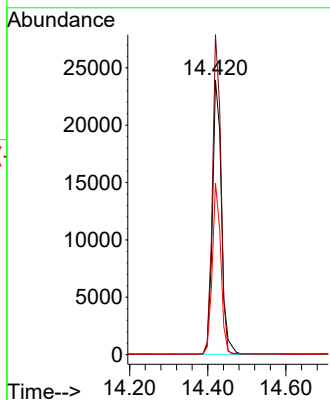
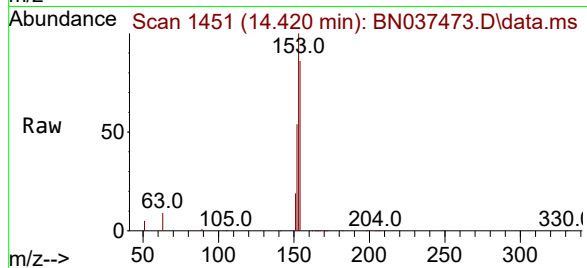




#17
Acenaphthene
Concen: 5.475 ng
RT: 14.420 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

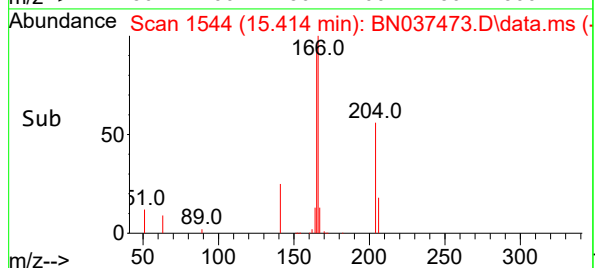
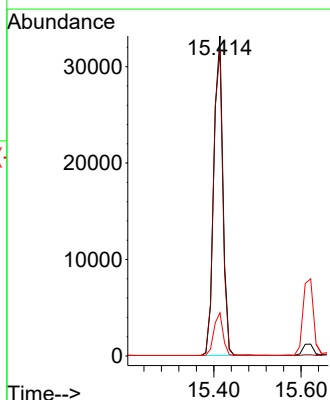
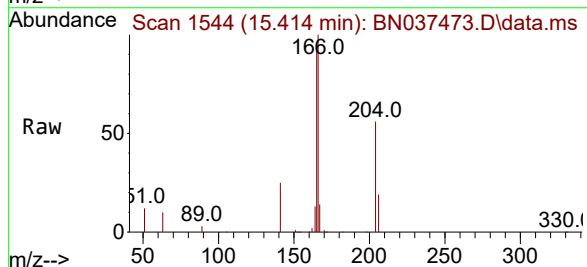
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

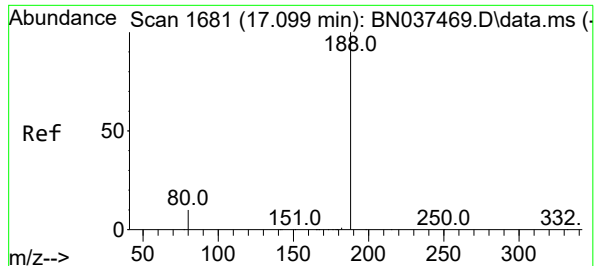
Tgt Ion:154 Resp: 38089
Ion Ratio Lower Upper
154 100
153 110.1 89.4 134.0
152 59.1 53.2 79.8



#18
Fluorene
Concen: 5.603 ng
RT: 15.414 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

Tgt Ion:166 Resp: 48979
Ion Ratio Lower Upper
166 100
165 97.0 79.4 119.2
167 13.1 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037473.D

Acq: 11 Jul 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

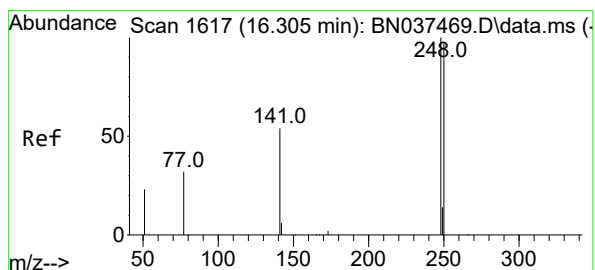
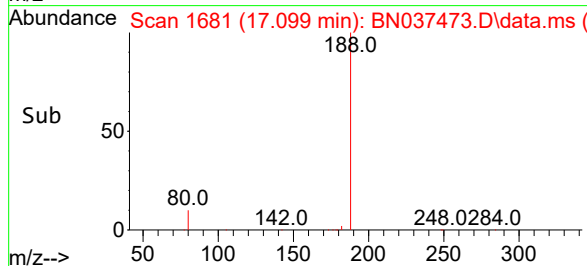
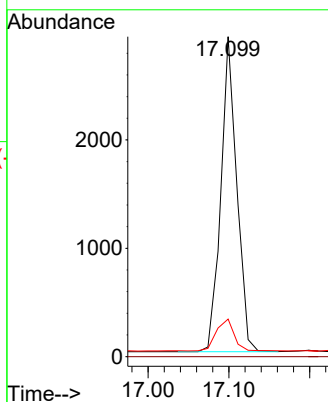
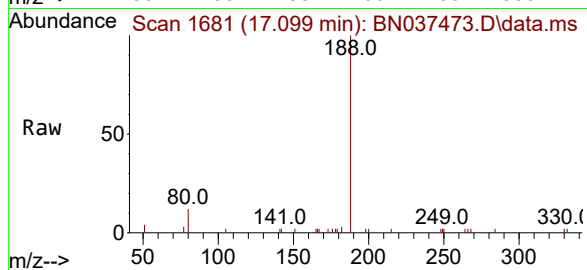
Tgt Ion:188 Resp: 3996

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.7 9.3 13.9



#21

4-Bromophenyl-phenylether

Concen: 5.597 ng

RT: 16.305 min Scan# 1617

Delta R.T. 0.000 min

Lab File: BN037473.D

Acq: 11 Jul 2025 14:49

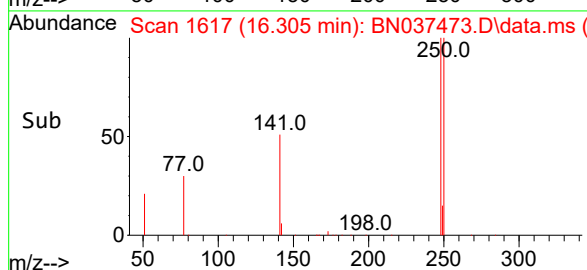
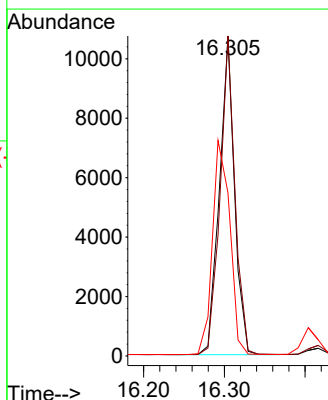
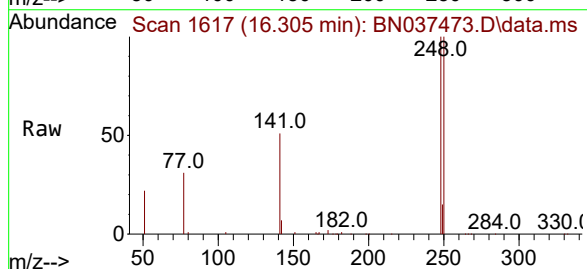
Tgt Ion:248 Resp: 13953

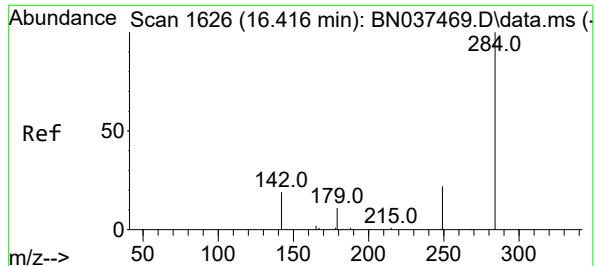
Ion Ratio Lower Upper

248 100

250 100.0 77.8 116.6

141 51.0 45.9 68.9





#22

Hexachlorobenzene

Concen: 5.205 ng

RT: 16.416 min Scan# 1626

Delta R.T. 0.000 min

Lab File: BN037473.D

Acq: 11 Jul 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

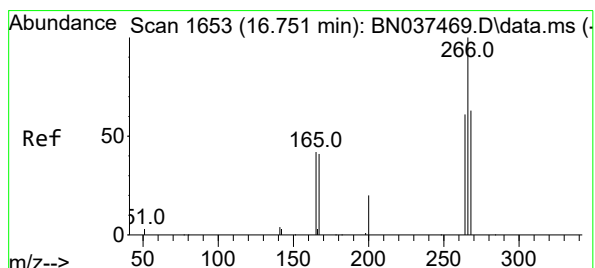
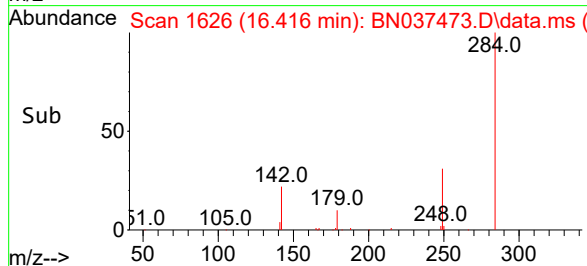
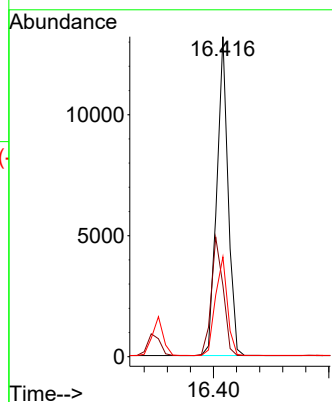
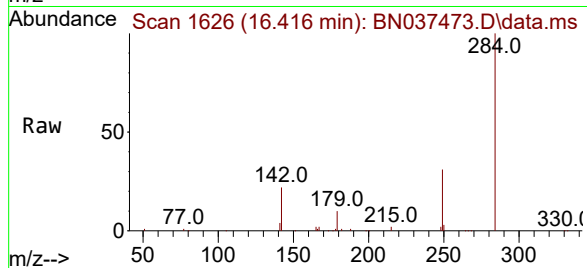
Tgt Ion:284 Resp: 17904

Ion Ratio Lower Upper

284 100

142 38.7 31.3 46.9

249 32.9 26.6 40.0



#24

Pentachlorophenol

Concen: 6.564 ng

RT: 16.751 min Scan# 1653

Delta R.T. 0.000 min

Lab File: BN037473.D

Acq: 11 Jul 2025 14:49

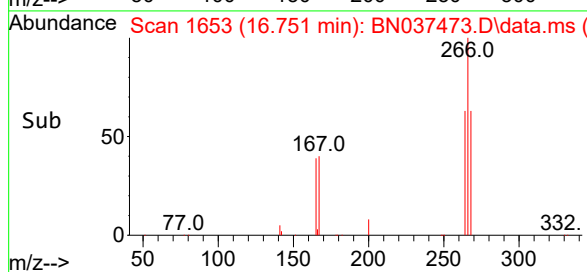
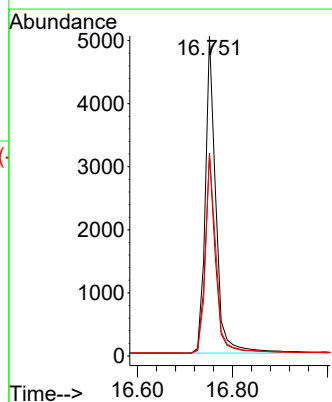
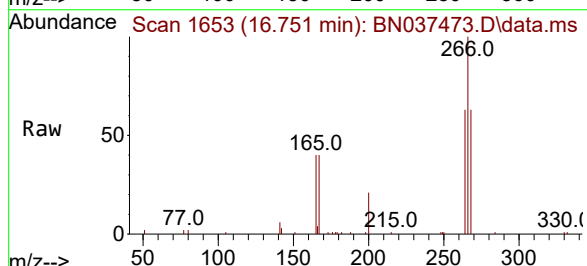
Tgt Ion:266 Resp: 7775

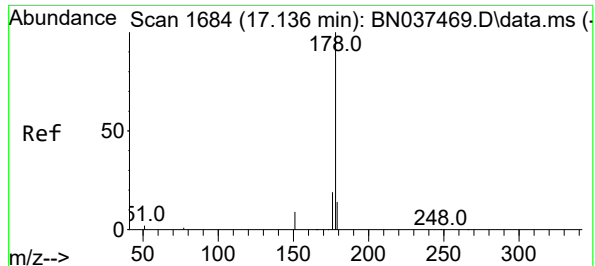
Ion Ratio Lower Upper

266 100

264 62.4 47.5 71.3

268 63.7 50.6 76.0

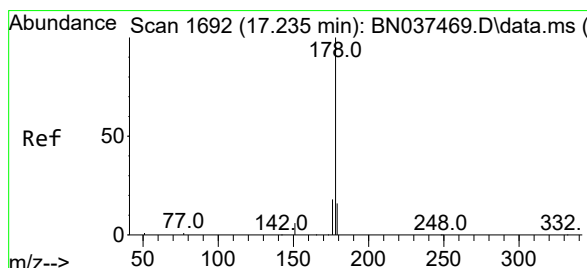
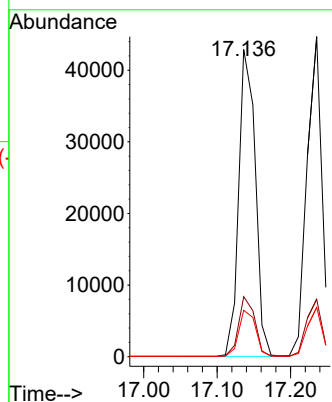
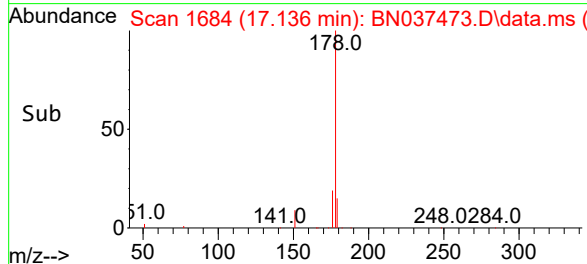
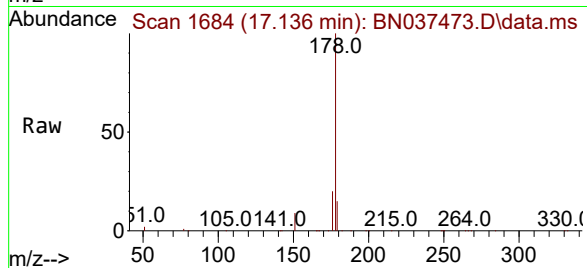




#25
Phenanthrene
Concen: 5.524 ng
RT: 17.136 min Scan# 1684
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

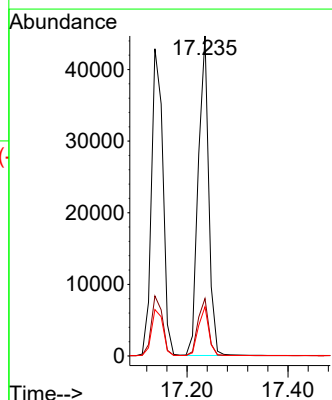
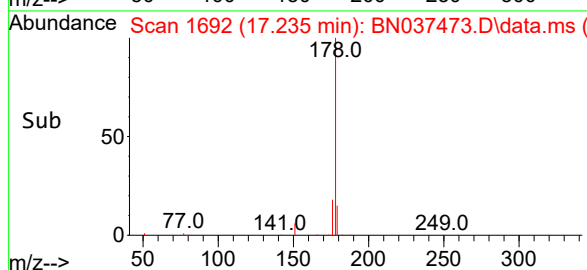
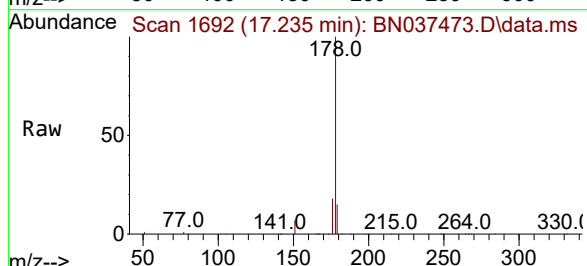
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

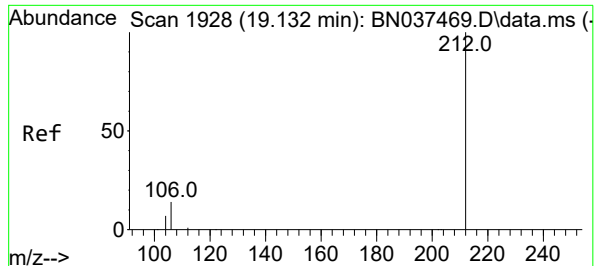
Tgt Ion:178 Resp: 67213
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.2 12.2 18.2



#26
Anthracene
Concen: 5.852 ng
RT: 17.235 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

Tgt Ion:178 Resp: 64260
Ion Ratio Lower Upper
178 100
176 18.2 14.9 22.3
179 15.2 12.3 18.5





#27

Fluoranthene-d10

Concen: 6.621 ng

RT: 19.132 min Scan# 1928

Delta R.T. 0.000 min

Lab File: BN037473.D

Acq: 11 Jul 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

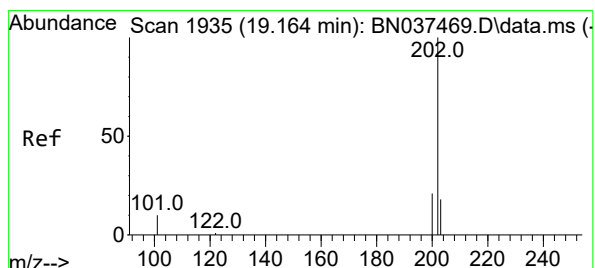
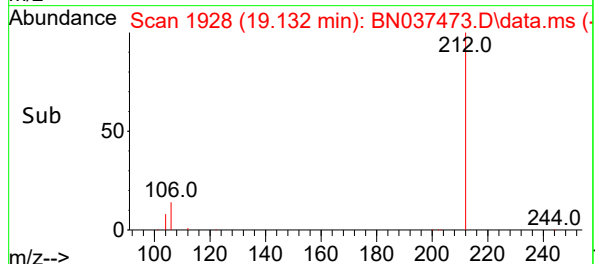
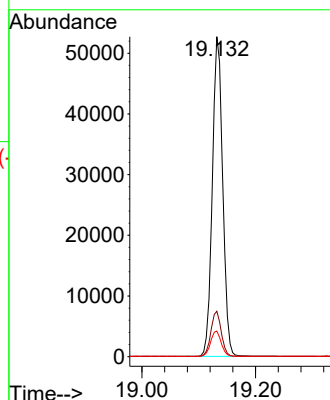
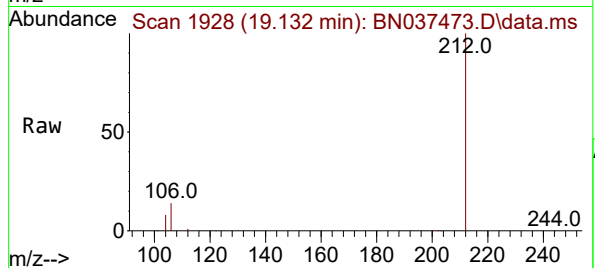
Tgt Ion:212 Resp: 66747

Ion Ratio Lower Upper

212 100

106 14.1 11.7 17.5

104 8.1 6.6 10.0



#28

Fluoranthene

Concen: 5.881 ng

RT: 19.164 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BN037473.D

Acq: 11 Jul 2025 14:49

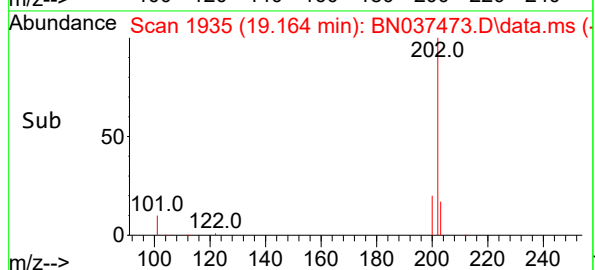
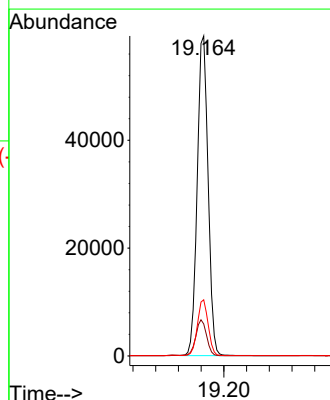
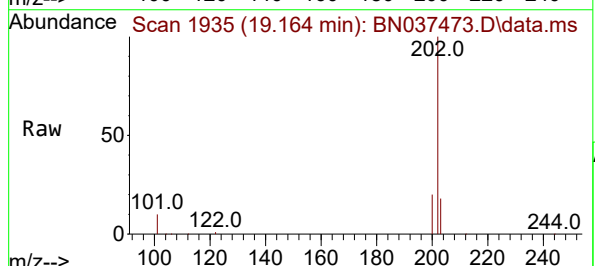
Tgt Ion:202 Resp: 78520

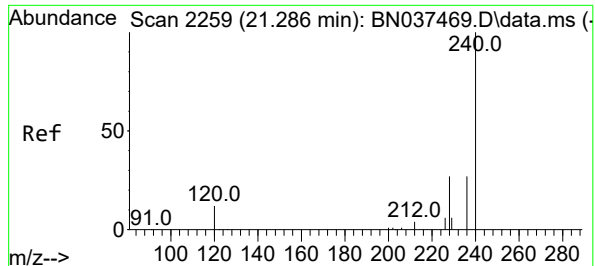
Ion Ratio Lower Upper

202 100

101 11.3 9.2 13.8

203 17.4 14.0 21.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037473.D

Acq: 11 Jul 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

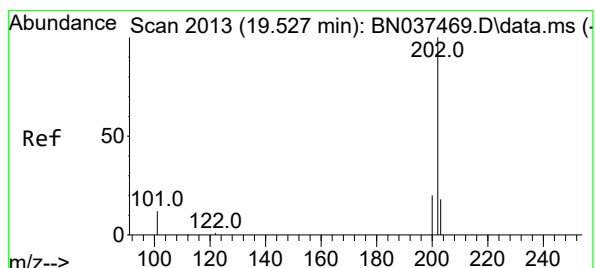
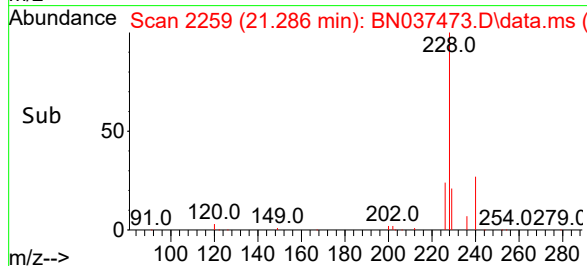
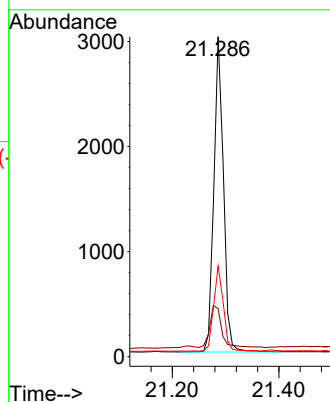
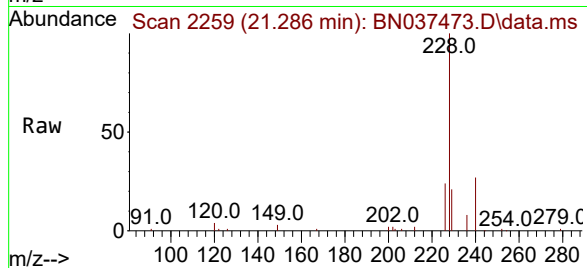
Tgt Ion:240 Resp: 3738

Ion Ratio Lower Upper

240 100

120 15.0 12.4 18.6

236 28.4 22.9 34.3



#30

Pyrene

Concen: 5.124 ng

RT: 19.527 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BN037473.D

Acq: 11 Jul 2025 14:49

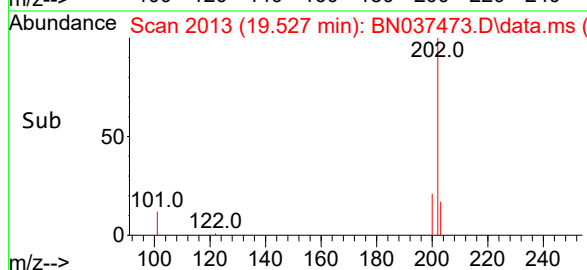
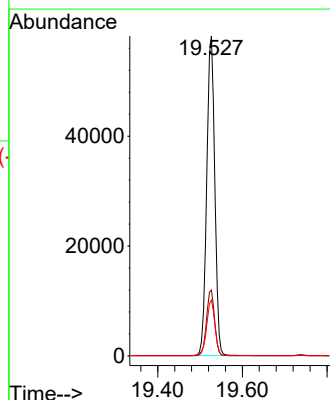
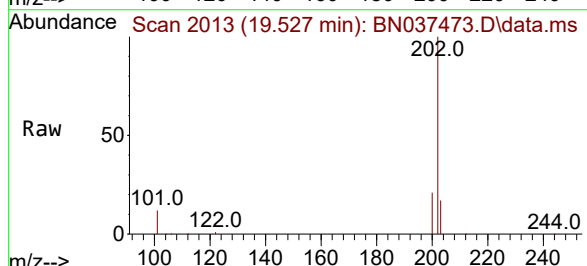
Tgt Ion:202 Resp: 77002

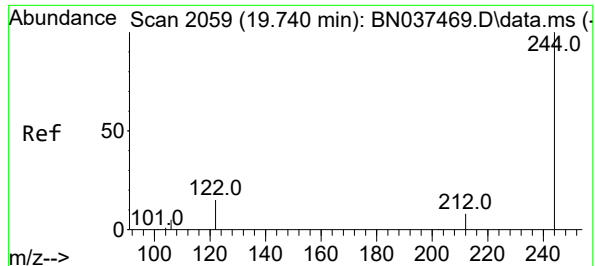
Ion Ratio Lower Upper

202 100

200 20.7 16.4 24.6

203 17.8 14.3 21.5

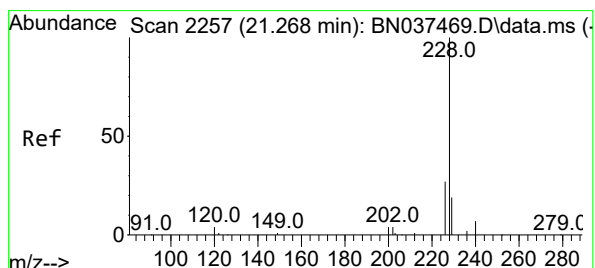
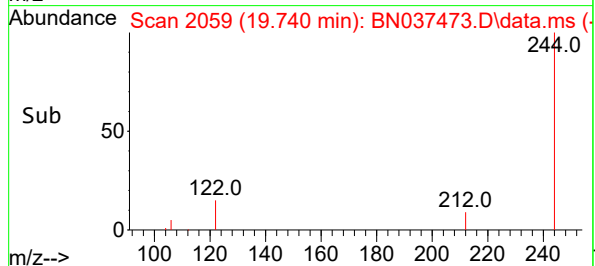
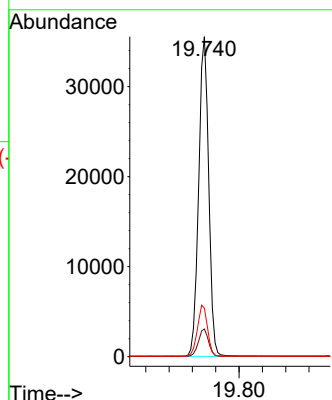
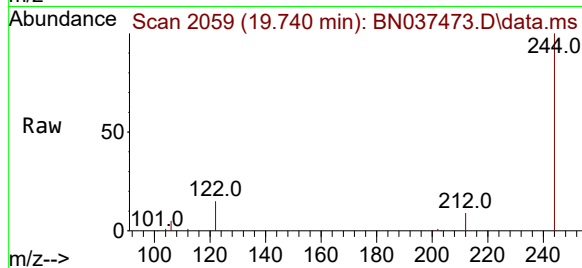




#31
Terphenyl-d14
Concen: 5.409 ng
RT: 19.740 min Scan# 2059
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

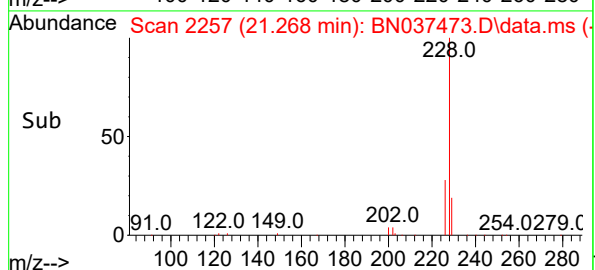
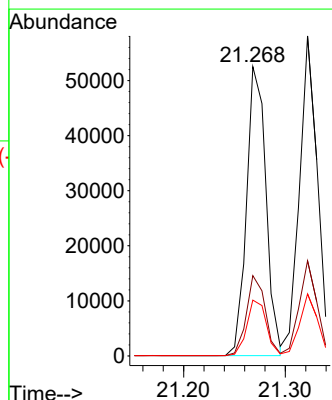
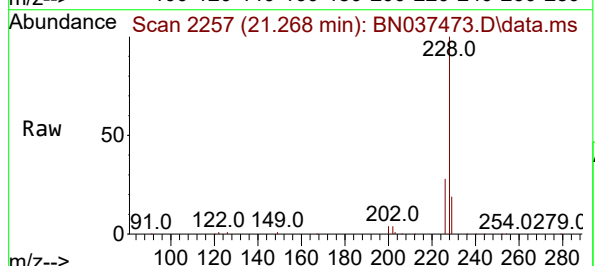
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

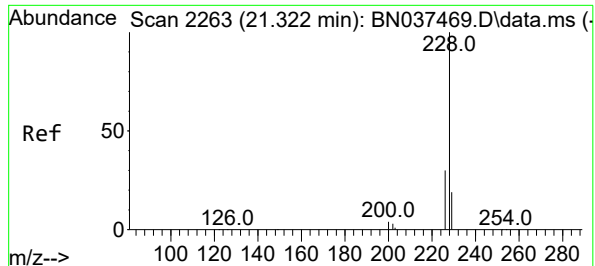
Tgt Ion:244 Resp: 42184
Ion Ratio Lower Upper
244 100
212 8.7 8.7 13.1#
122 15.2 14.1 21.1



#32
Benzo(a)anthracene
Concen: 5.500 ng
RT: 21.268 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

Tgt Ion:228 Resp: 69627
Ion Ratio Lower Upper
228 100
226 27.7 22.7 34.1
229 19.3 16.6 24.8





#33

Chrysene

Concen: 5.206 ng

RT: 21.322 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037473.D

Acq: 11 Jul 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

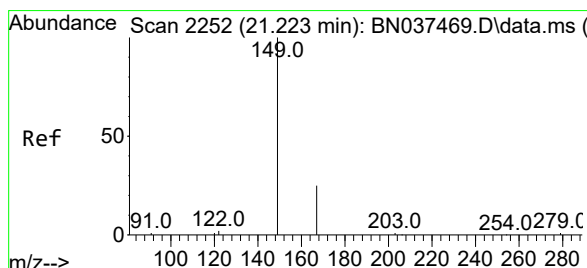
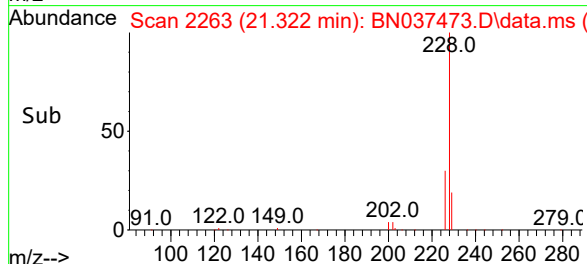
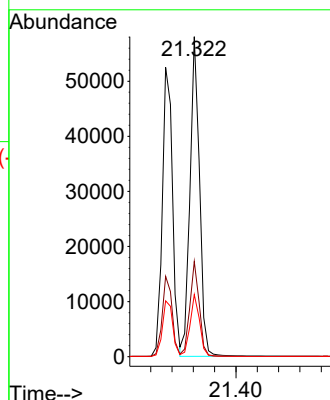
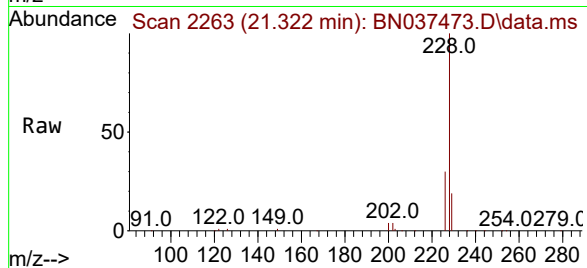
Tgt Ion:228 Resp: 72035

Ion Ratio Lower Upper

228 100

226 29.7 24.6 36.8

229 19.4 16.4 24.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 5.828 ng

RT: 21.232 min Scan# 2253

Delta R.T. 0.009 min

Lab File: BN037473.D

Acq: 11 Jul 2025 14:49

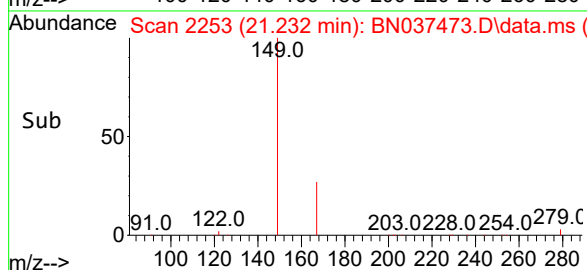
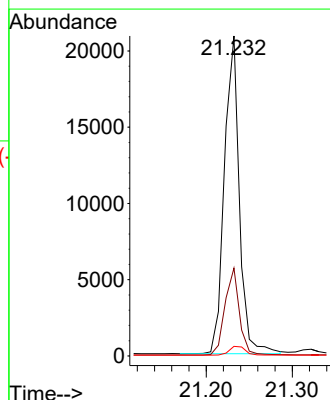
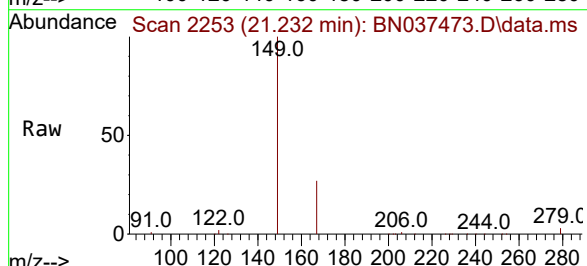
Tgt Ion:149 Resp: 25087

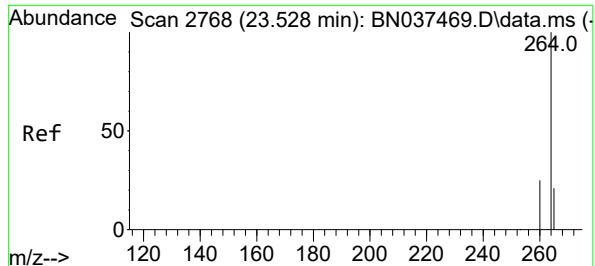
Ion Ratio Lower Upper

149 100

167 26.2 19.4 29.2

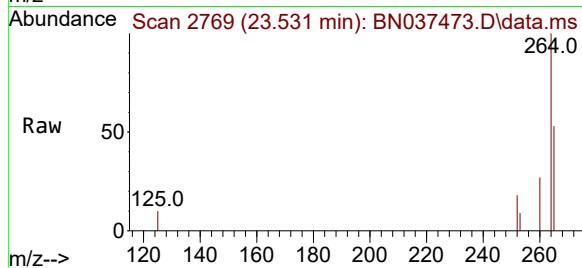
279 3.0 2.5 3.7



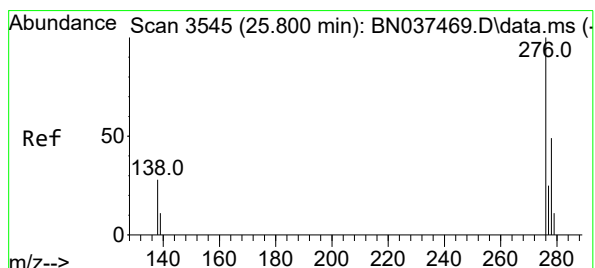
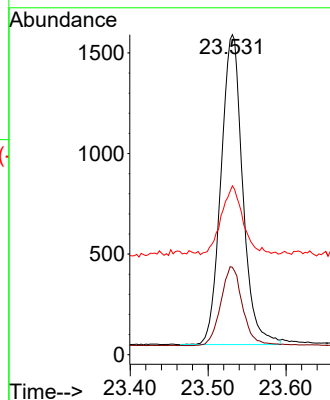
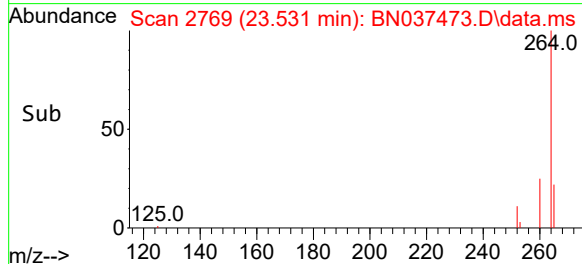


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.531 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

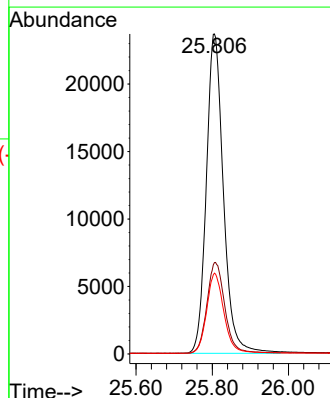
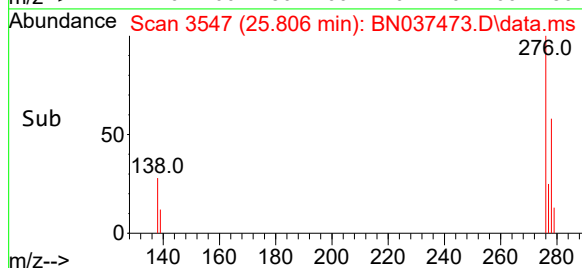
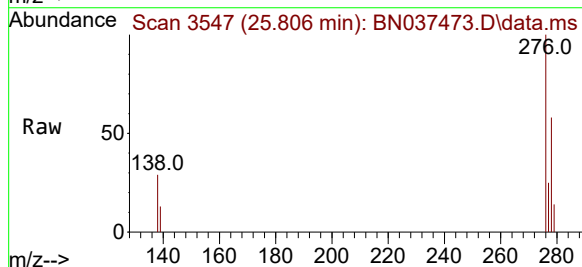


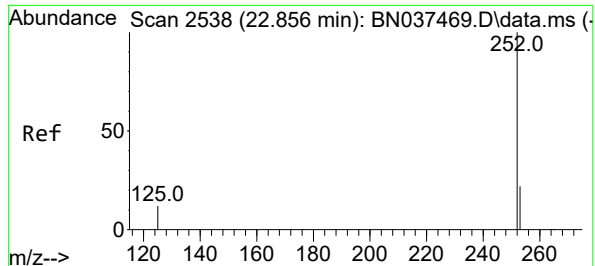
Tgt Ion:264 Resp: 2986
Ion Ratio Lower Upper
264 100
260 27.3 21.7 32.5
265 52.7 41.6 62.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 6.354 ng
RT: 25.806 min Scan# 3547
Delta R.T. 0.006 min
Lab File: BN037473.D
Acq: 11 Jul 2025 14:49

Tgt Ion:276 Resp: 73642
Ion Ratio Lower Upper
276 100
138 29.9 23.4 35.2
277 25.3 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 6.013 ng

RT: 22.859 min Scan# 2538

Delta R.T. 0.003 min

Lab File: BN037473.D

Acq: 11 Jul 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

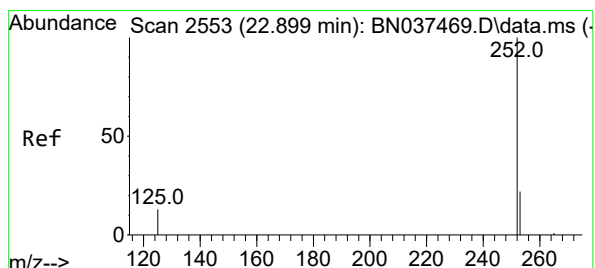
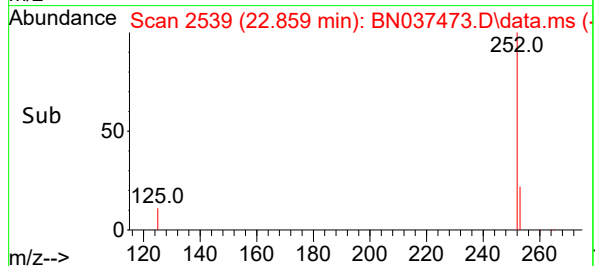
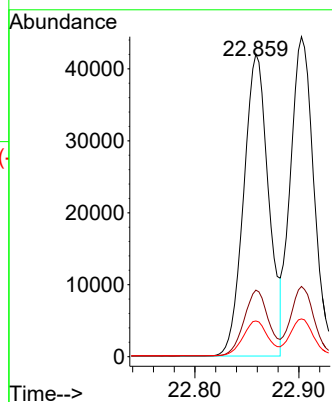
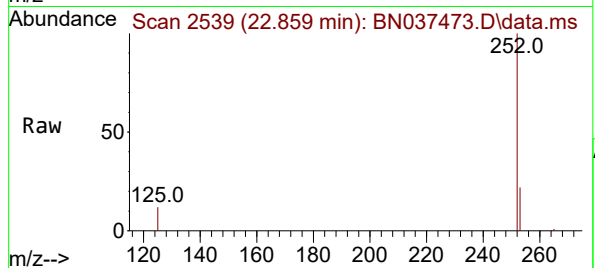
Tgt Ion:252 Resp: 69826

Ion Ratio Lower Upper

252 100

253 22.0 20.1 30.1

125 11.8 13.7 20.5#



#38

Benzo(k)fluoranthene

Concen: 5.999 ng

RT: 22.902 min Scan# 2554

Delta R.T. 0.003 min

Lab File: BN037473.D

Acq: 11 Jul 2025 14:49

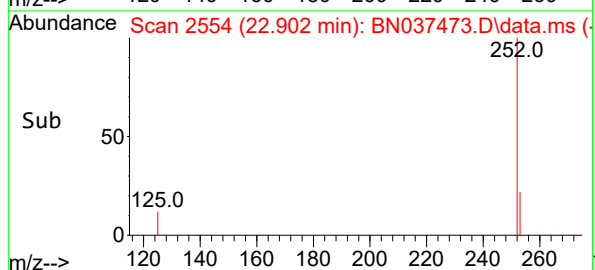
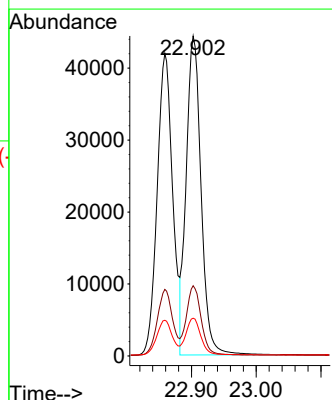
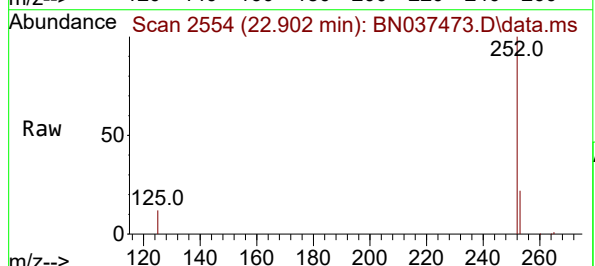
Tgt Ion:252 Resp: 70616

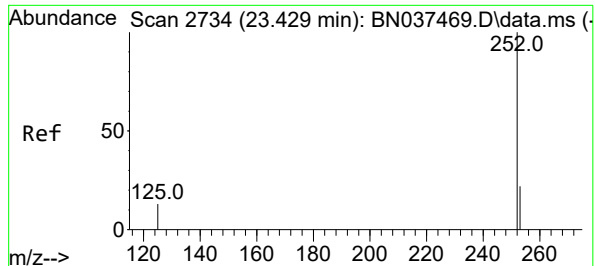
Ion Ratio Lower Upper

252 100

253 21.9 20.4 30.6

125 11.8 14.6 21.8#





#39

Benzo(a)pyrene

Concen: 6.186 ng

RT: 23.432 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN037473.D

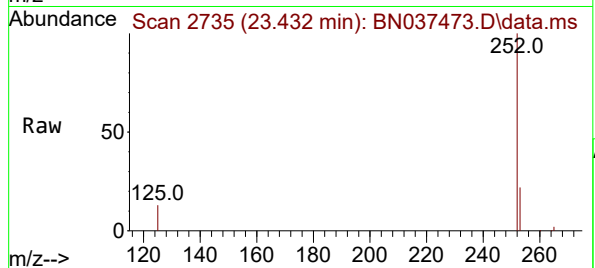
Acq: 11 Jul 2025 14:49

Instrument :

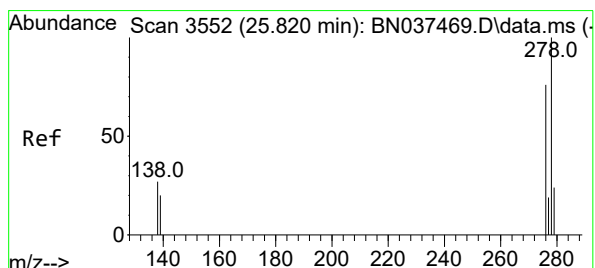
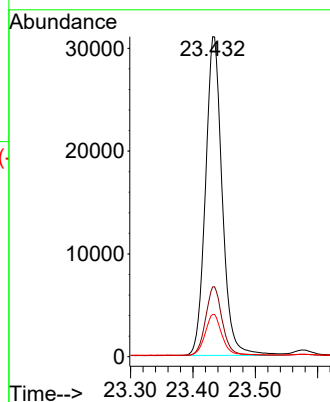
BNA_N

ClientSampleId :

SSTDICC5.0



Tgt Ion:	252	Resp:	57809
Ion Ratio	Lower	Upper	
252	100		
253	21.8	21.8	32.6
125	13.2	16.7	25.1#



#40

Dibenzo(a,h)anthracene

Concen: 6.458 ng

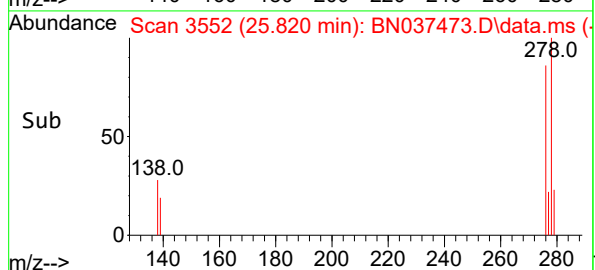
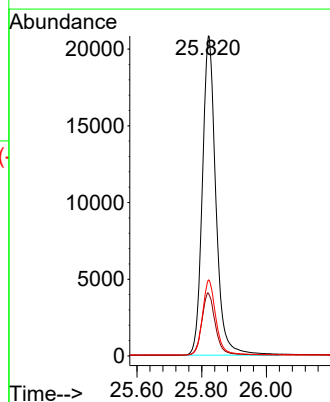
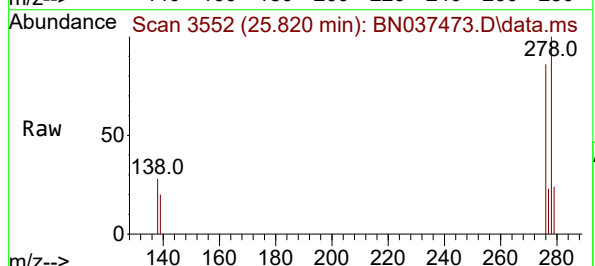
RT: 25.820 min Scan# 3552

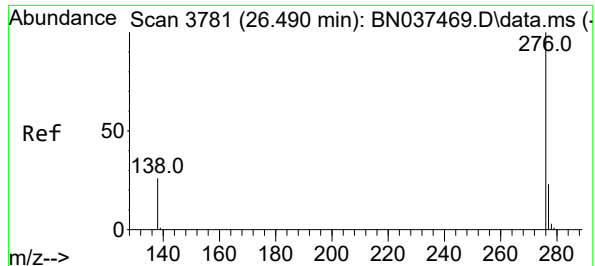
Delta R.T. 0.000 min

Lab File: BN037473.D

Acq: 11 Jul 2025 14:49

Tgt Ion:	278	Resp:	60364
Ion Ratio	Lower	Upper	
278	100		
139	19.7	19.9	29.9#
279	23.8	24.8	37.2#





#41

Benzo(g,h,i)perylene

Concen: 6.134 ng

RT: 26.493 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN037473.D

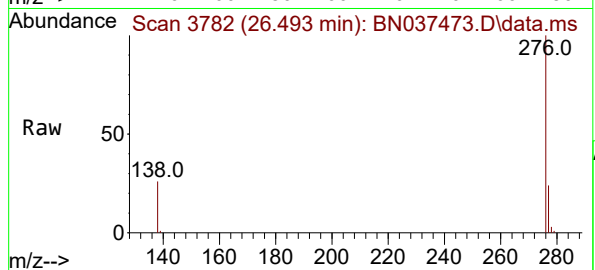
Acq: 11 Jul 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0



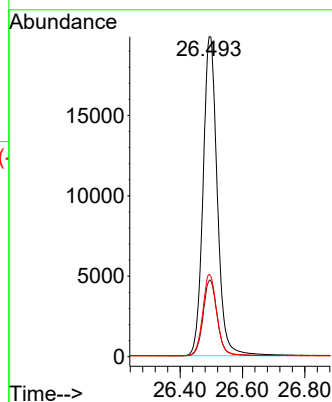
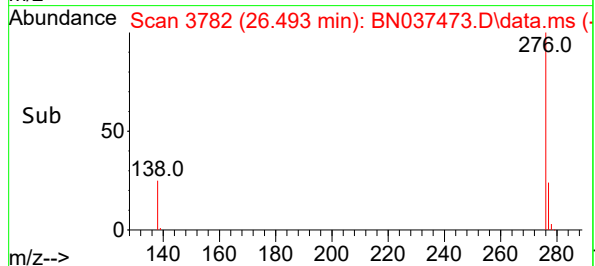
Tgt Ion:276 Resp: 62808

Ion Ratio Lower Upper

276 100

277 23.8 21.7 32.5

138 25.7 24.3 36.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
 Data File : BN037474.D
 Acq On : 11 Jul 2025 15:25
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN071125

Quant Time: Jul 11 16:29:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:38:34 2025
 Response via : Initial Calibration

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

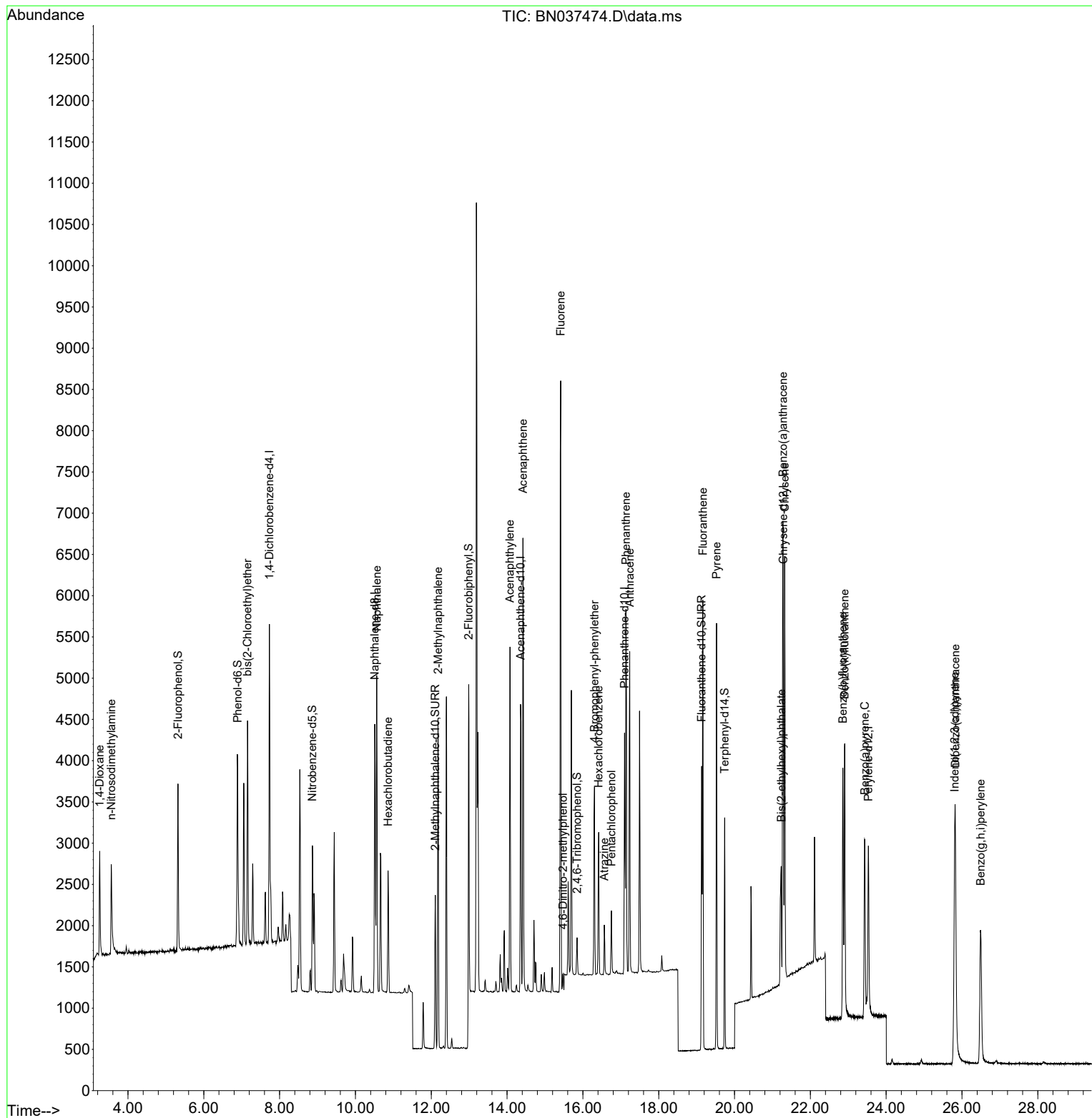
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	1795	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	4293	0.400	ng	0.00
13) Acenaphthene-d10	14.355	164	2055	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	3647	0.400	ng	0.00
29) Chrysene-d12	21.286	240	2808	0.400	ng	0.00
35) Perylene-d12	23.531	264	2686	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	1616	0.387	ng	0.00
5) Phenol-d6	6.894	99	2005	0.381	ng	0.00
8) Nitrobenzene-d5	8.865	82	1382	0.443	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	2460	0.422	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	249	0.357	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	5463	0.466	ng	0.00
27) Fluoranthene-d10	19.132	212	3712	0.403	ng	0.00
31) Terphenyl-d14	19.740	244	2601	0.444	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.254	88	827	0.491	ng	95
3) n-Nitrosodimethylamine	3.557	42	955	0.424	ng	95
6) bis(2-Chloroethyl)ether	7.154	93	1983	0.451	ng	99
9) Naphthalene	10.562	128	4841	0.420	ng	99
10) Hexachlorobutadiene	10.861	225	1182	0.427	ng	# 100
12) 2-Methylnaphthalene	12.177	142	2750	0.381	ng	98
16) Acenaphthylene	14.077	152	4297	0.459	ng	100
17) Acenaphthene	14.420	154	2598	0.413	ng	99
18) Fluorene	15.414	166	3179	0.402	ng	99
20) 4,6-Dinitro-2-methylph...	15.478	198	167	0.408	ng	84
21) 4-Bromophenyl-phenylether	16.304	248	959	0.422	ng	96
22) Hexachlorobenzene	16.416	284	1358	0.433	ng	100
23) Atrazine	16.565	200	469	0.414	ng	98
24) Pentachlorophenol	16.751	266	364	0.337	ng	97
25) Phenanthrene	17.136	178	4686	0.422	ng	100
26) Anthracene	17.235	178	4164	0.415	ng	100
28) Fluoranthene	19.164	202	4784	0.393	ng	99
30) Pyrene	19.527	202	4634	0.410	ng	100
32) Benzo(a)anthracene	21.277	228	3978	0.418	ng	98
33) Chrysene	21.322	228	4341	0.418	ng	100
34) Bis(2-ethylhexyl)phtha...	21.232	149	1323	0.409	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.806	276	4274	0.410	ng	99
37) Benzo(b)fluoranthene	22.858	252	3894	0.373	ng	99
38) Benzo(k)fluoranthene	22.905	252	4346	0.410	ng	99
39) Benzo(a)pyrene	23.434	252	3457	0.411	ng	98
40) Dibenzo(a,h)anthracene	25.823	278	3486	0.415	ng	97
41) Benzo(g,h,i)perylene	26.490	276	3518	0.382	ng	98

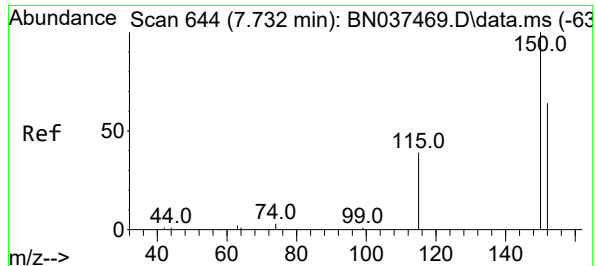
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
 Data File : BN037474.D
 Acq On : 11 Jul 2025 15:25
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN071125

Quant Time: Jul 11 16:29:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:38:34 2025
 Response via : Initial Calibration

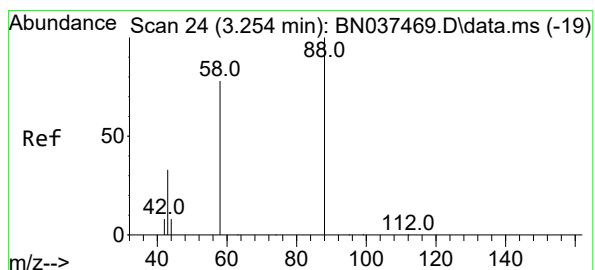
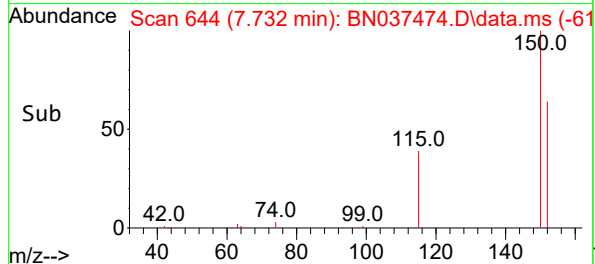
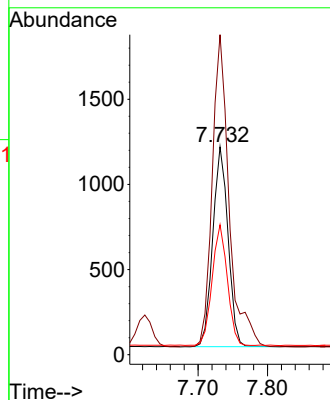
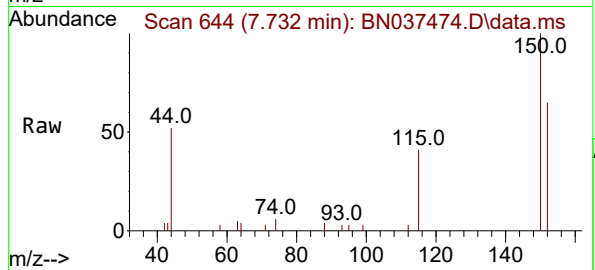




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.732 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

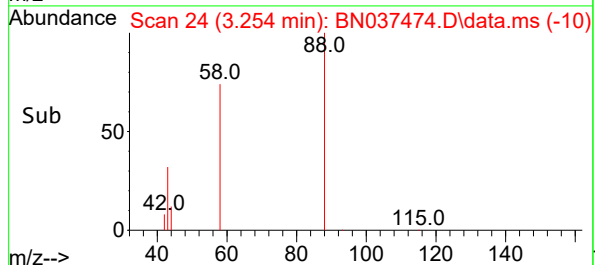
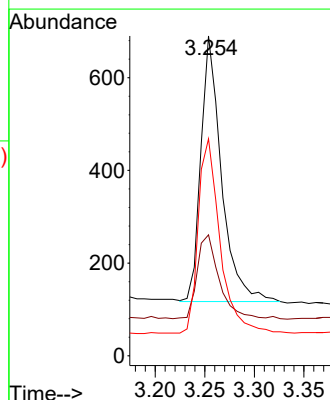
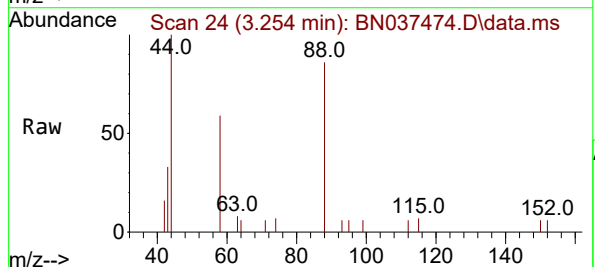
Instrument :
BNA_N
ClientSampleId :
ICVBN071125

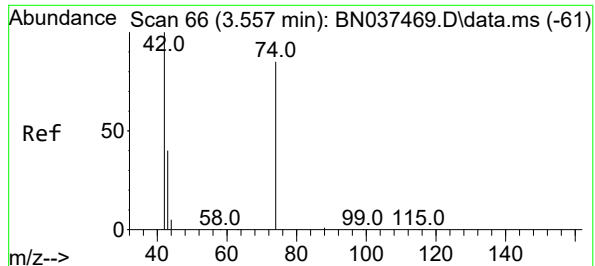
Tgt Ion:152 Resp: 1795
Ion Ratio Lower Upper
152 100
150 153.9 122.5 183.7
115 62.5 49.9 74.9



#2
1,4-Dioxane
Concen: 0.491 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

Tgt Ion: 88 Resp: 827
Ion Ratio Lower Upper
88 100
43 33.9 30.7 46.1
58 77.4 65.0 97.4

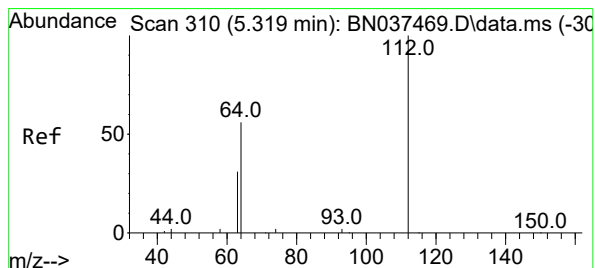
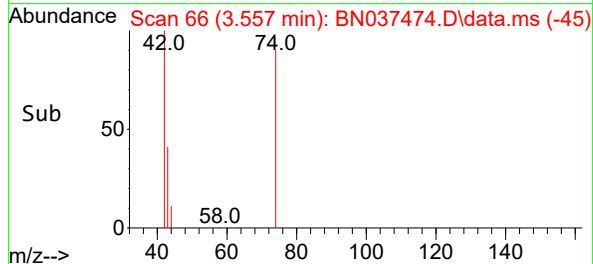
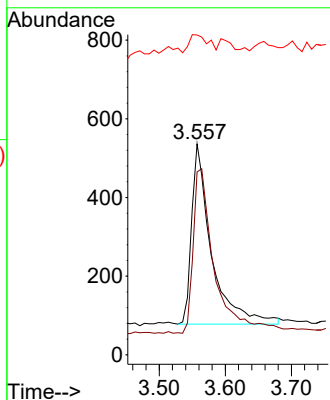
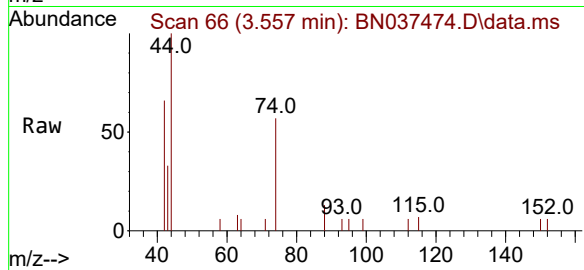




#3
n-Nitrosodimethylamine
Concen: 0.424 ng
RT: 3.557 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

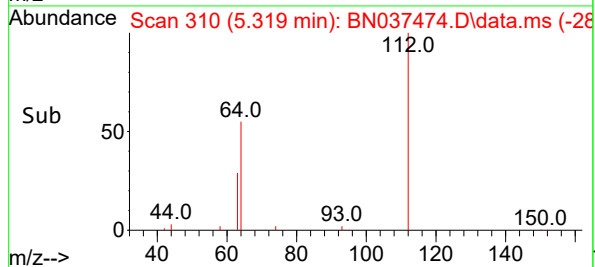
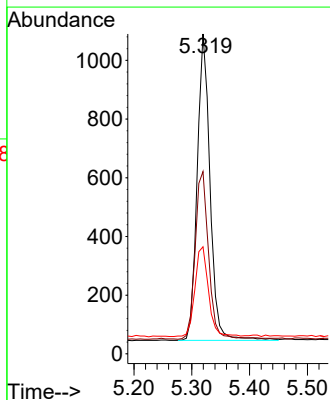
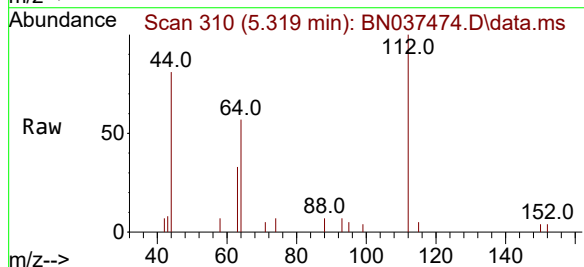
Instrument :
BNA_N
ClientSampleId :
ICVBN071125

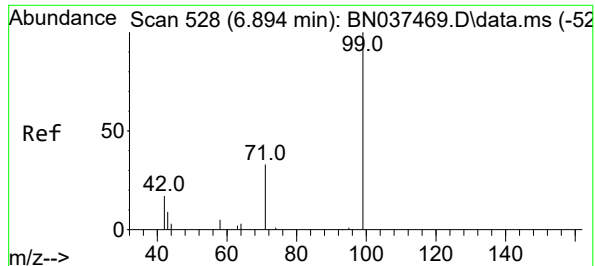
Tgt Ion: 42 Resp: 955
Ion Ratio Lower Upper
42 100
74 98.5 74.9 112.3
44 10.8 7.2 10.8



#4
2-Fluorophenol
Concen: 0.387 ng
RT: 5.319 min Scan# 310
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

Tgt Ion: 112 Resp: 1616
Ion Ratio Lower Upper
112 100
64 56.9 45.4 68.0
63 30.9 24.7 37.1

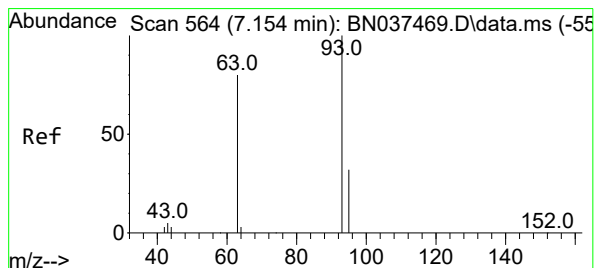
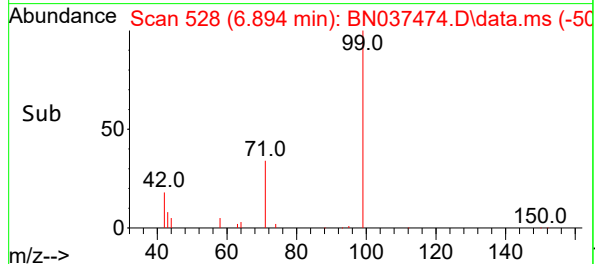
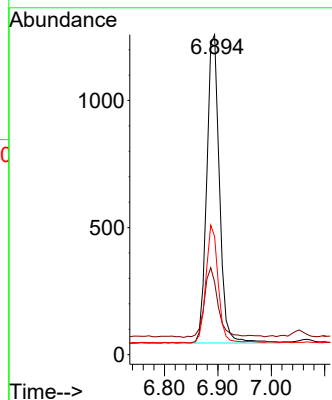
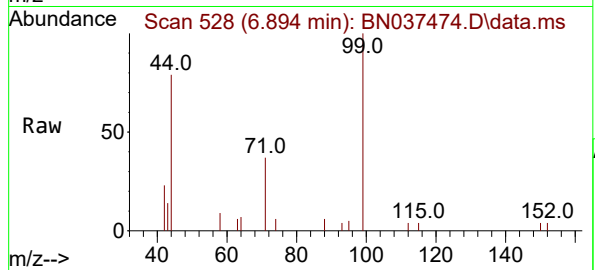




#5
Phenol-d6
Concen: 0.381 ng
RT: 6.894 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

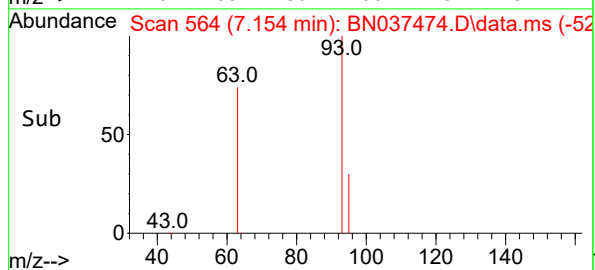
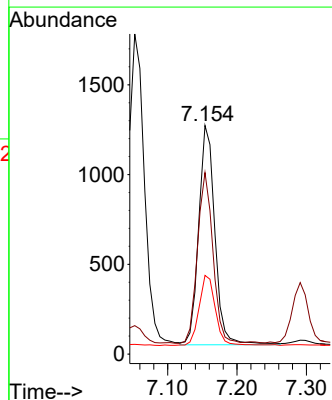
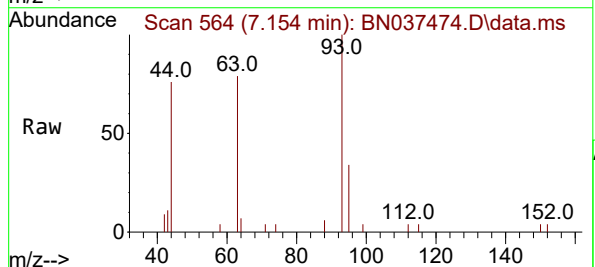
Instrument :
BNA_N
ClientSampleId :
ICVBN071125

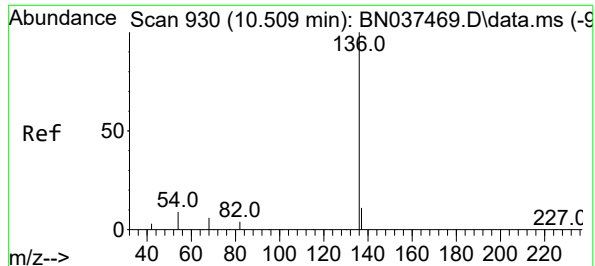
Tgt Ion:	99	Resp:	2005
Ion	Ratio	Lower	Upper
99	100		
42	24.2	19.5	29.3
71	36.5	29.4	44.2



#6
bis(2-Chloroethyl)ether
Concen: 0.451 ng
RT: 7.154 min Scan# 564
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

Tgt Ion:	93	Resp:	1983
Ion	Ratio	Lower	Upper
93	100		
63	74.5	60.8	91.2
95	32.1	25.6	38.4

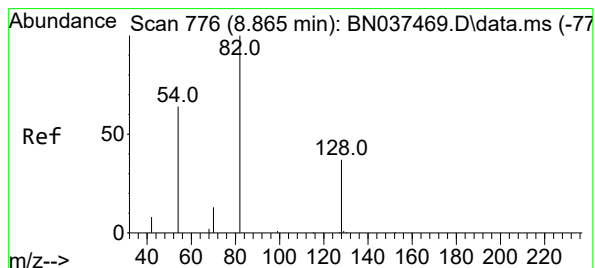
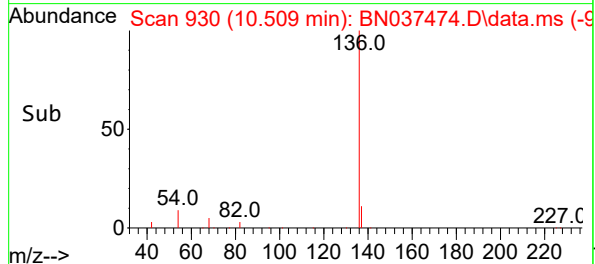
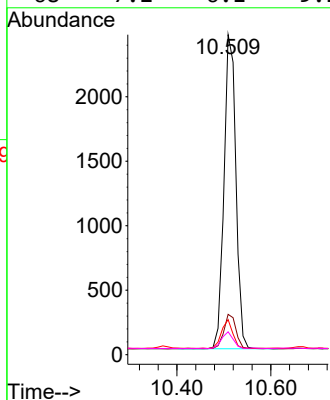
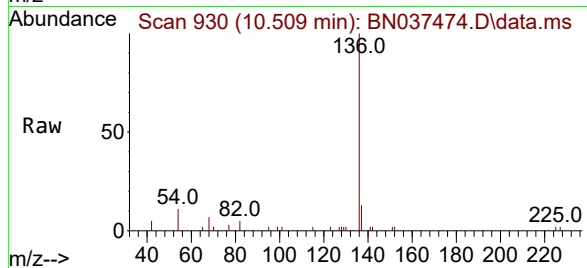




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

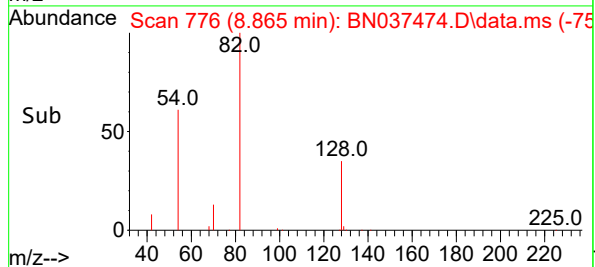
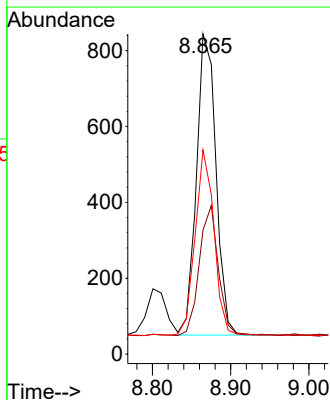
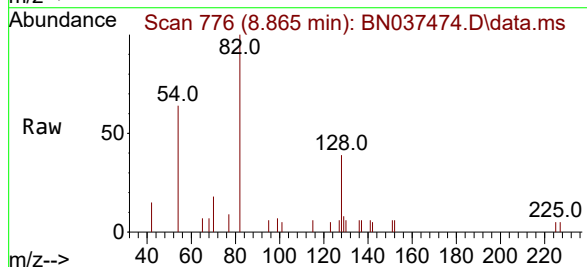
Instrument :
BNA_N
ClientSampleId :
ICVBN071125

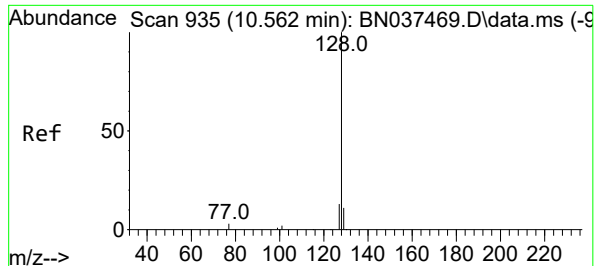
Tgt Ion:	136	Resp:	4293
Ion	Ratio	Lower	Upper
136	100		
137	12.6	10.0	15.0
54	11.0	9.0	13.6
68	7.2	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.443 ng
RT: 8.865 min Scan# 776
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

Tgt Ion:	82	Resp:	1382
Ion	Ratio	Lower	Upper
82	100		
128	38.7	33.1	49.7
54	63.7	53.0	79.4

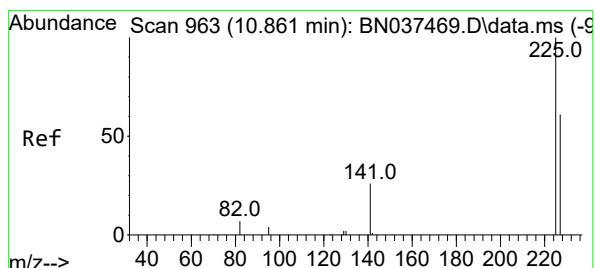
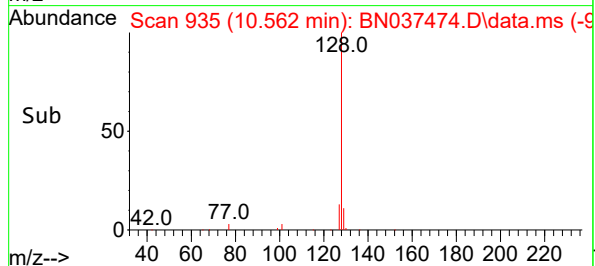
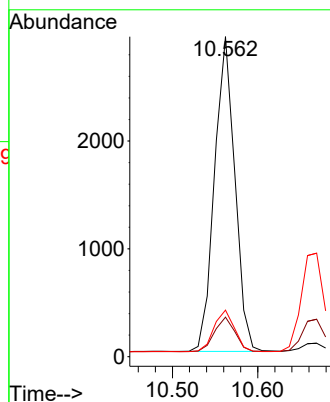
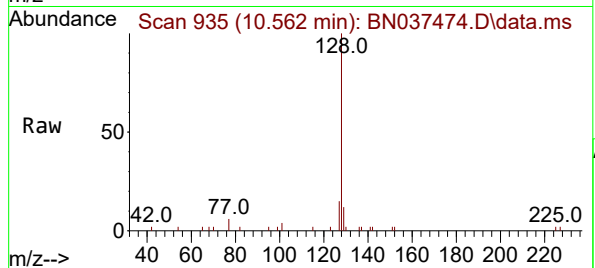




#9
Naphthalene
Concen: 0.420 ng
RT: 10.562 min Scan# 911
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

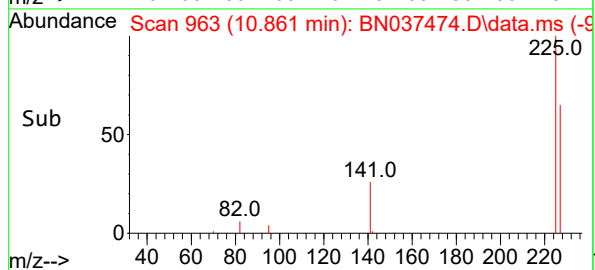
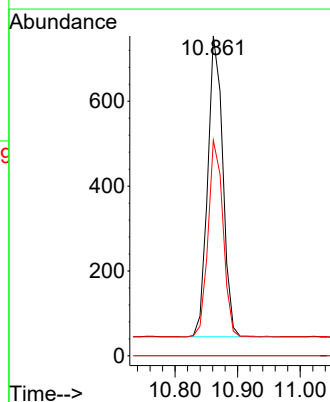
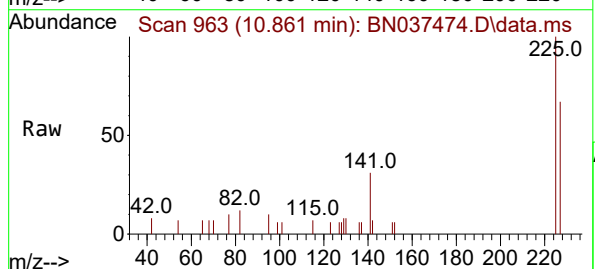
Instrument :
BNA_N
ClientSampleId :
ICVBN071125

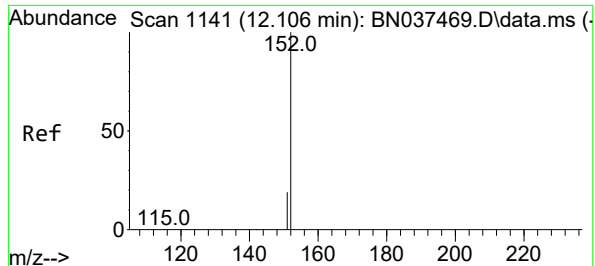
Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.3	10.2	15.2
127	14.6	11.8	17.6



#10
Hexachlorobutadiene
Concen: 0.427 ng
RT: 10.861 min Scan# 963
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.4	77.2

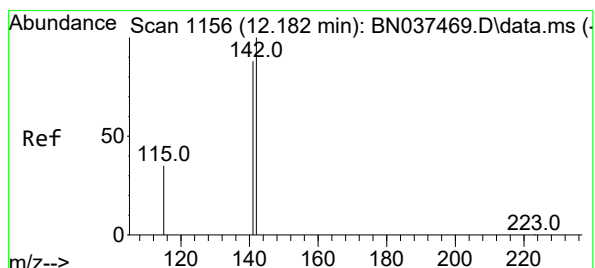
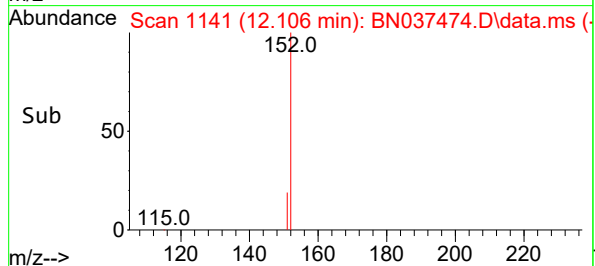
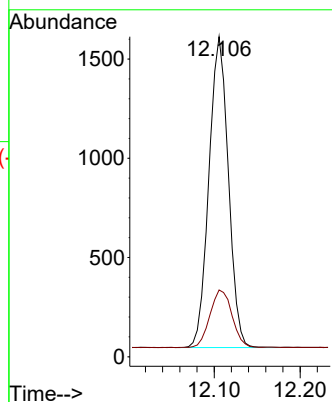
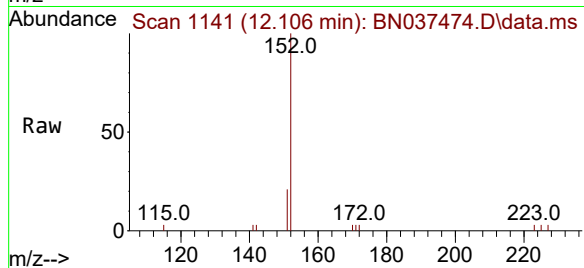




#11
2-Methylnaphthalene-d10
Concen: 0.422 ng
RT: 12.106 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

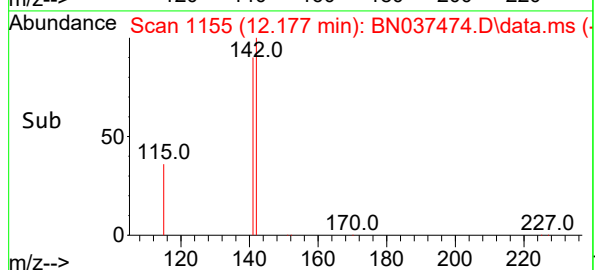
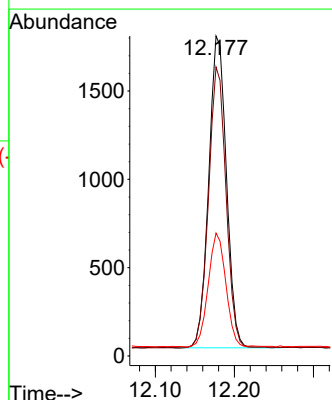
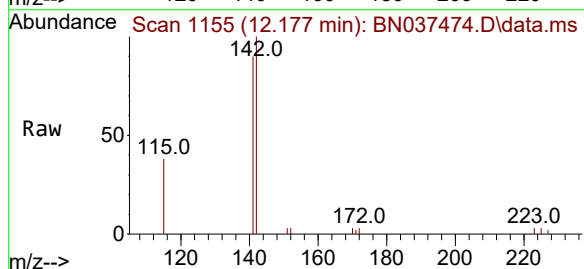
Instrument :
BNA_N
ClientSampleId :
ICVBN071125

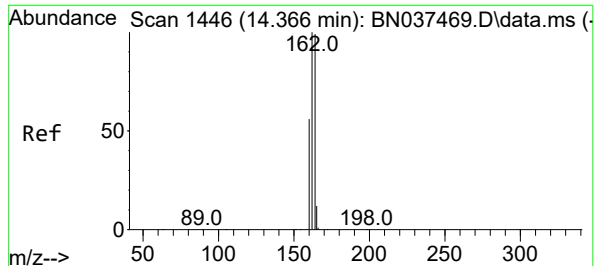
Tgt Ion:152 Resp: 2460
Ion Ratio Lower Upper
152 100
151 21.1 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.381 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

Tgt Ion:142 Resp: 2750
Ion Ratio Lower Upper
142 100
141 90.3 70.6 105.8
115 38.4 30.0 45.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.355 min Scan# 1446

Delta R.T. -0.011 min

Lab File: BN037474.D

Acq: 11 Jul 2025 15:25

Instrument :

BNA_N

ClientSampleId :

ICVBN071125

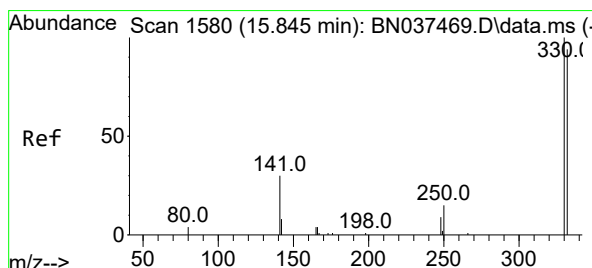
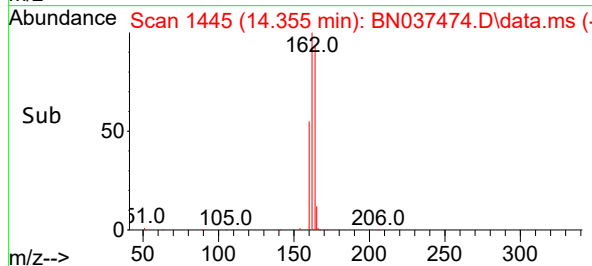
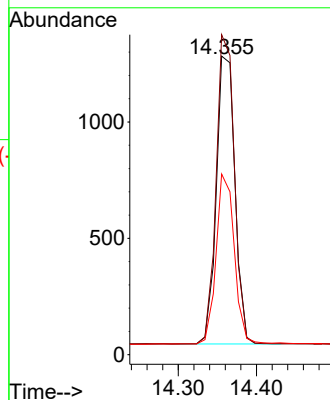
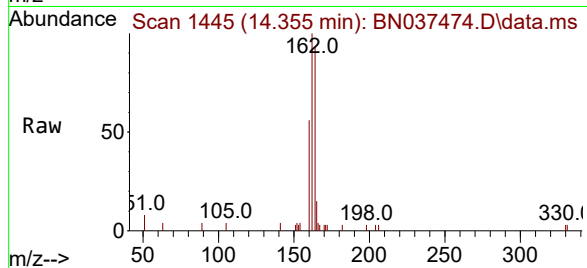
Tgt Ion:164 Resp: 2055

Ion Ratio Lower Upper

164 100

162 107.2 81.1 121.7

160 60.5 46.5 69.7



#14

2,4,6-Tribromophenol

Concen: 0.357 ng

RT: 15.845 min Scan# 1580

Delta R.T. -0.000 min

Lab File: BN037474.D

Acq: 11 Jul 2025 15:25

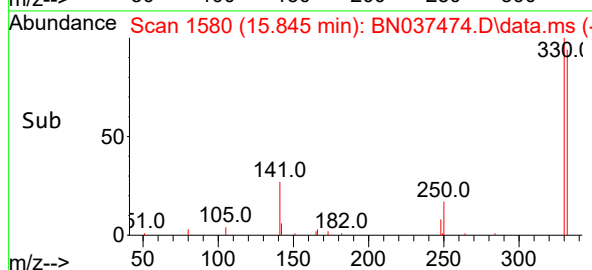
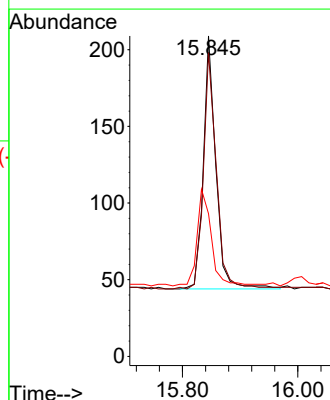
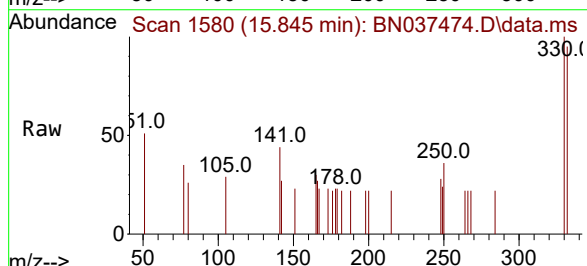
Tgt Ion:330 Resp: 249

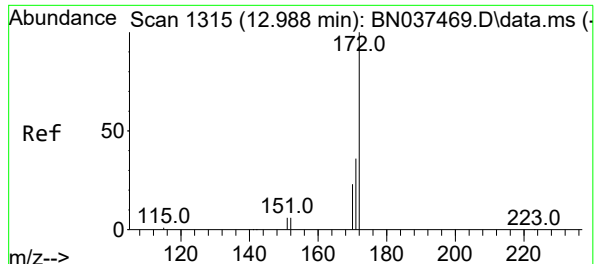
Ion Ratio Lower Upper

330 100

332 96.8 82.0 123.0

141 43.4 36.2 54.2





#15

2-Fluorobiphenyl

Concen: 0.466 ng

RT: 12.988 min Scan# 1315

Delta R.T. -0.000 min

Lab File: BN037474.D

Acq: 11 Jul 2025 15:25

Instrument :

BNA_N

ClientSampleId :

ICVBN071125

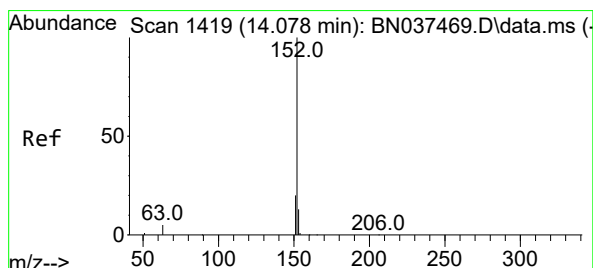
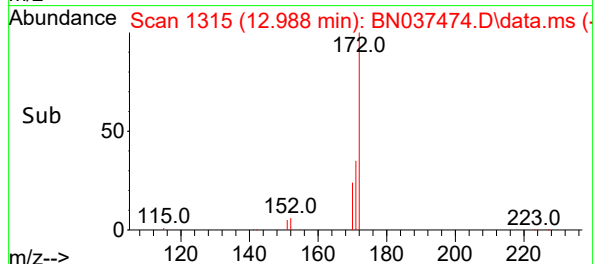
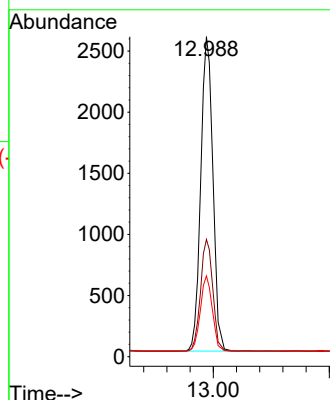
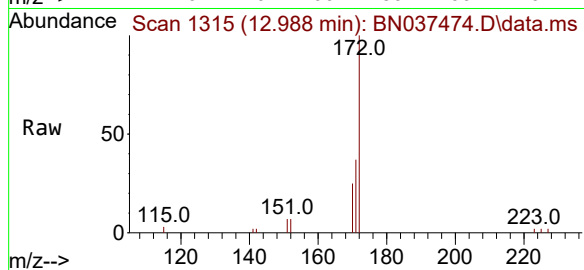
Tgt Ion:172 Resp: 5463

Ion Ratio Lower Upper

172 100

171 36.6 29.8 44.8

170 25.2 20.0 30.0



#16

Acenaphthylene

Concen: 0.459 ng

RT: 14.077 min Scan# 1419

Delta R.T. -0.000 min

Lab File: BN037474.D

Acq: 11 Jul 2025 15:25

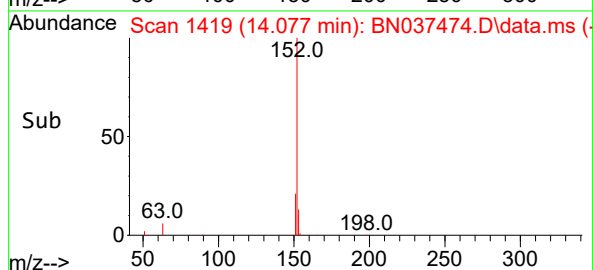
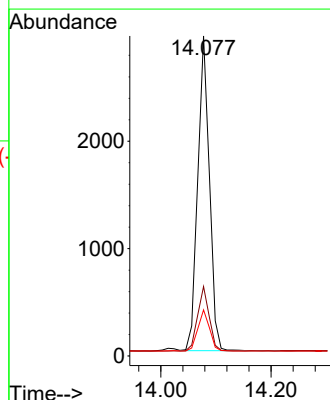
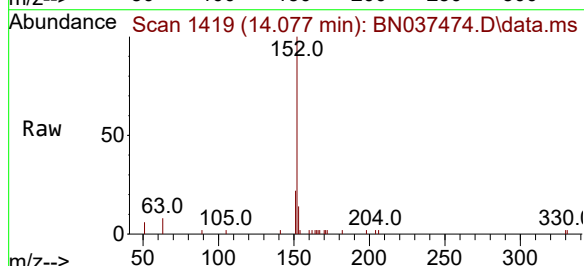
Tgt Ion:152 Resp: 4297

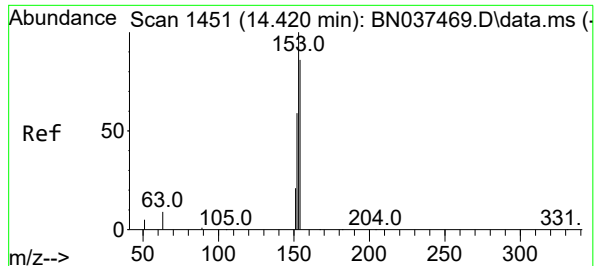
Ion Ratio Lower Upper

152 100

151 20.5 16.4 24.6

153 13.2 10.6 15.8

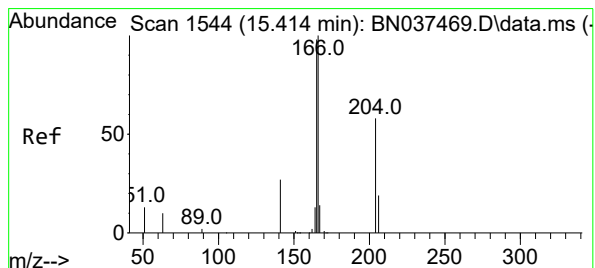
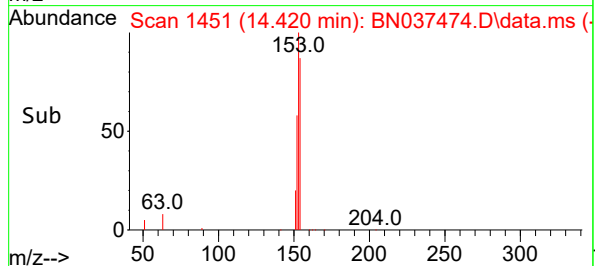
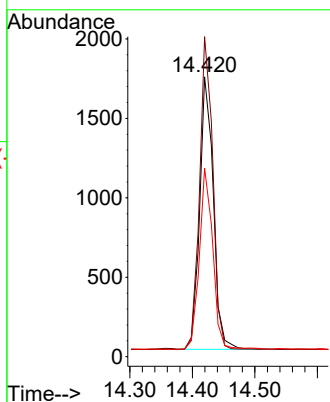
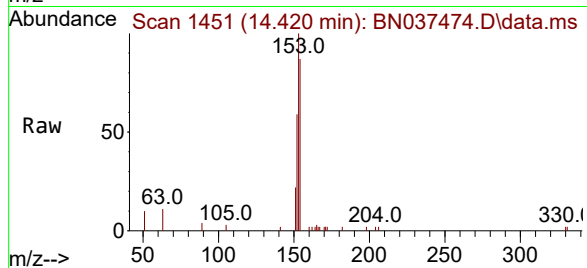




#17
Acenaphthene
Concen: 0.413 ng
RT: 14.420 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

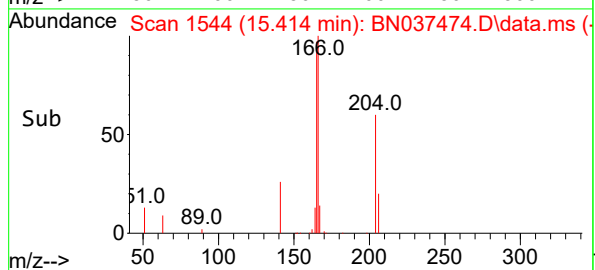
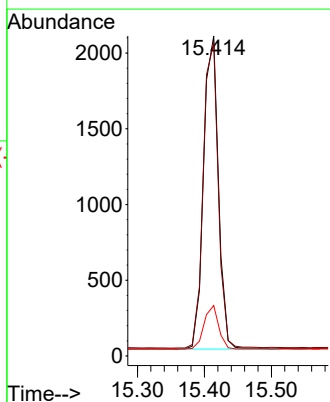
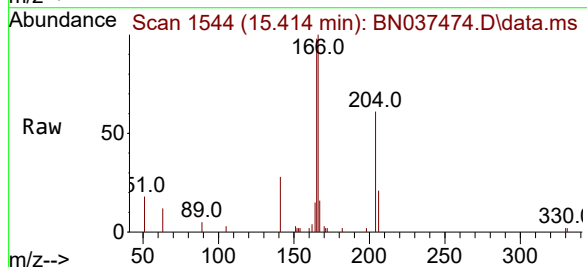
Instrument :
BNA_N
ClientSampleId :
ICVBN071125

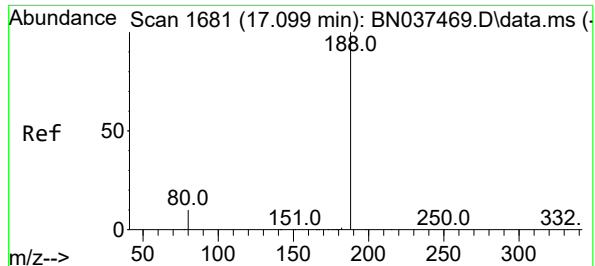
Tgt Ion:154 Resp: 2598
Ion Ratio Lower Upper
154 100
153 111.7 89.4 134.0
152 65.3 53.2 79.8



#18
Fluorene
Concen: 0.402 ng
RT: 15.414 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

Tgt Ion:166 Resp: 3179
Ion Ratio Lower Upper
166 100
165 98.5 79.4 119.2
167 13.7 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037474.D

Acq: 11 Jul 2025 15:25

Instrument :

BNA_N

ClientSampleId :

ICVBN071125

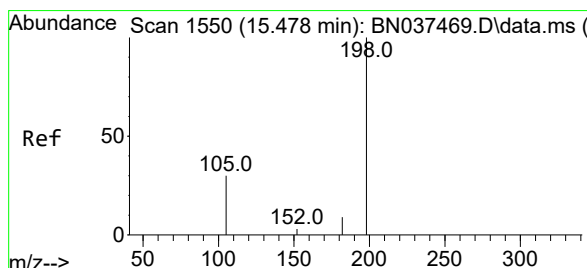
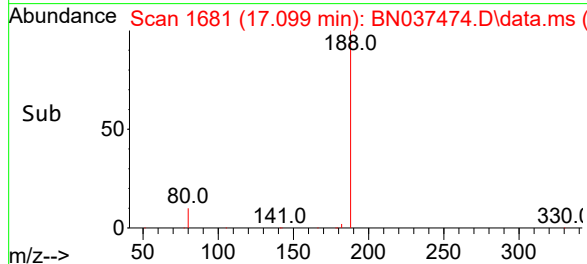
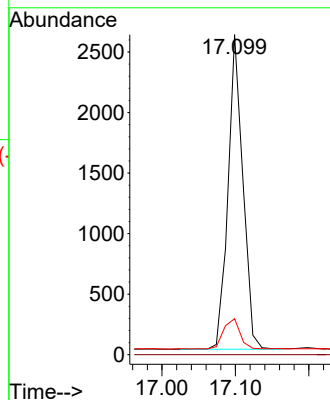
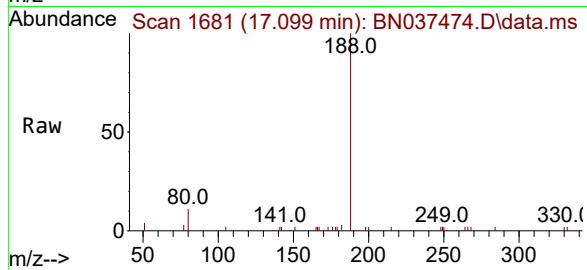
Tgt Ion:188 Resp: 3647

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.2 9.3 13.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.408 ng

RT: 15.478 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BN037474.D

Acq: 11 Jul 2025 15:25

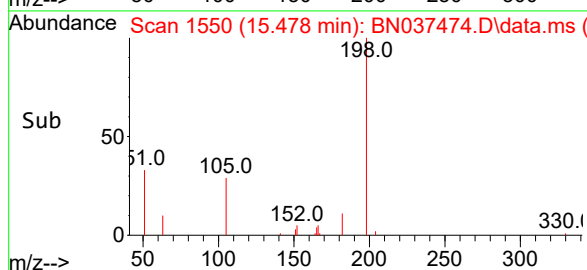
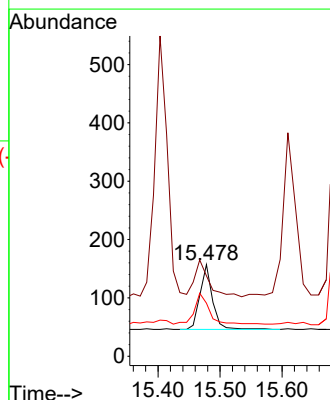
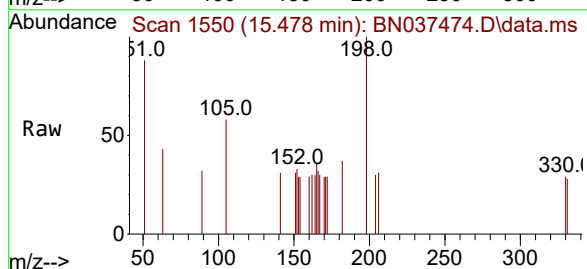
Tgt Ion:198 Resp: 167

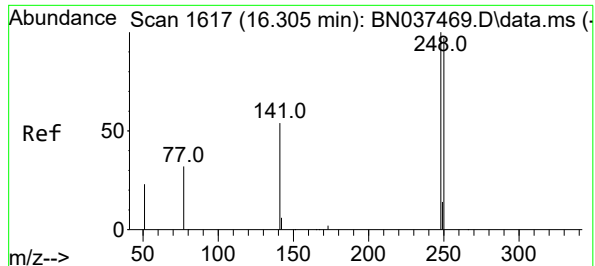
Ion Ratio Lower Upper

198 100

51 87.9 86.0 129.0

105 58.0 53.0 79.4

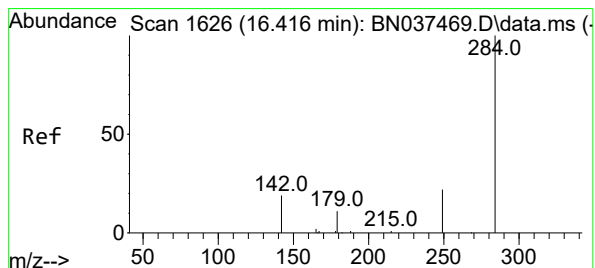
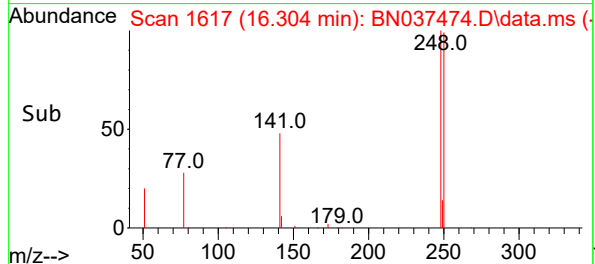
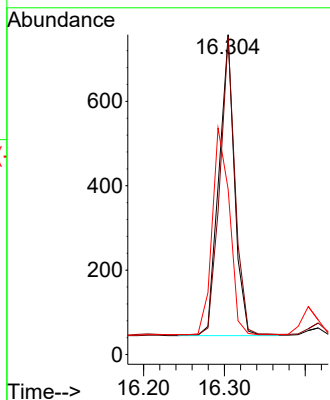
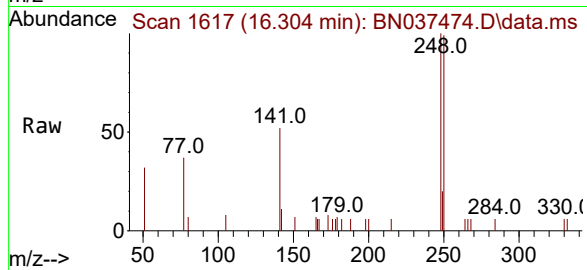




#21
4-Bromophenyl-phenylether
Concen: 0.422 ng
RT: 16.304 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

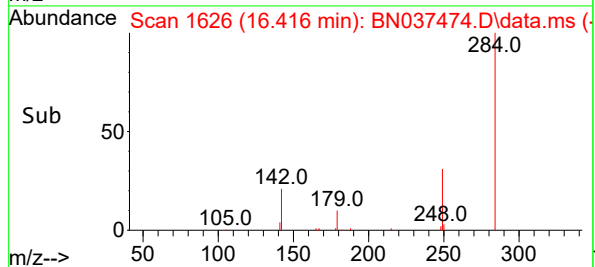
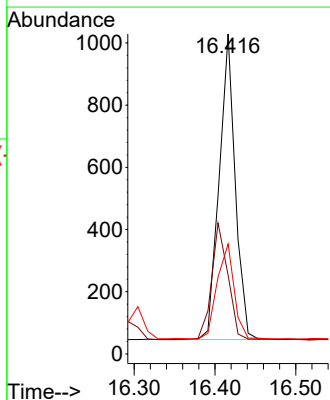
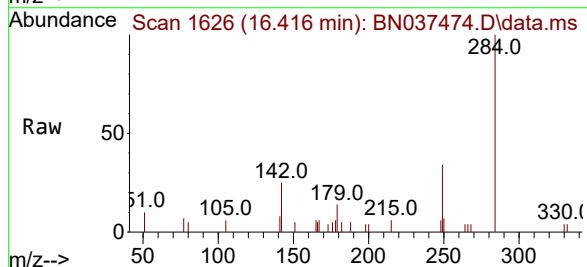
Instrument :
BNA_N
ClientSampleId :
ICVBN071125

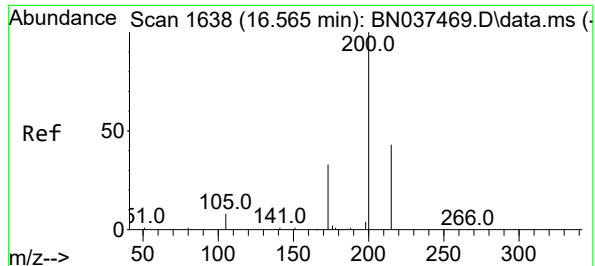
Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.3	77.8	116.6
141	51.7	45.9	68.9



#22
Hexachlorobenzene
Concen: 0.433 ng
RT: 16.416 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.2	31.3	46.9
249	33.0	26.6	40.0

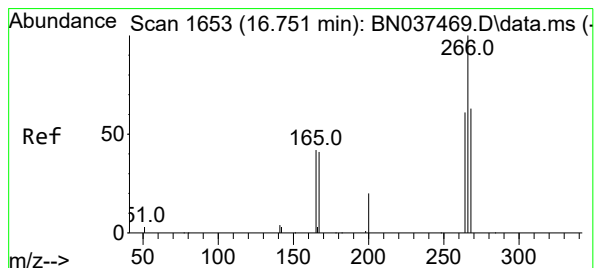
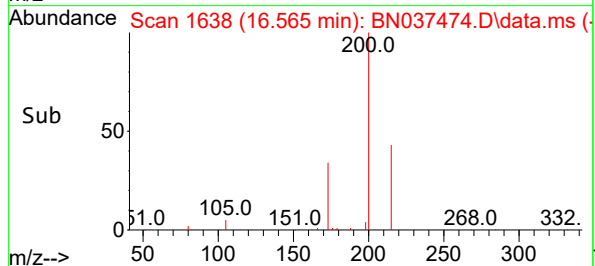
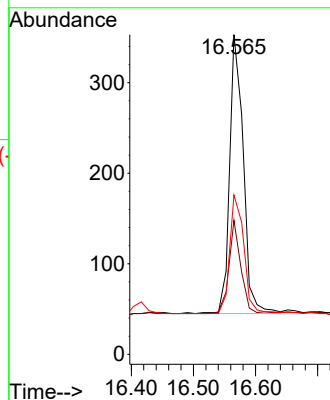
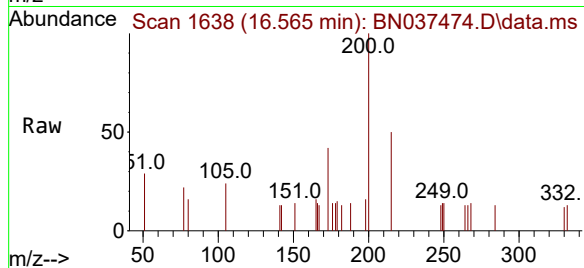




#23
Atrazine
Concen: 0.414 ng
RT: 16.565 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

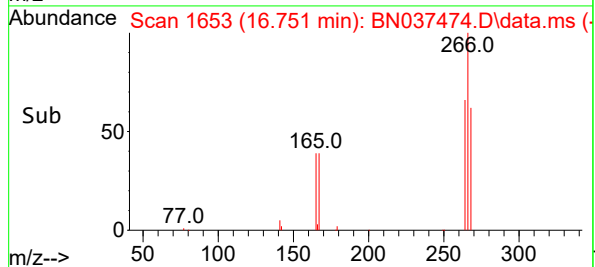
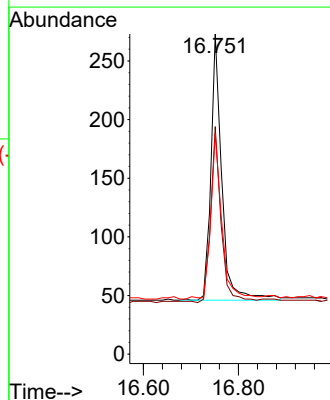
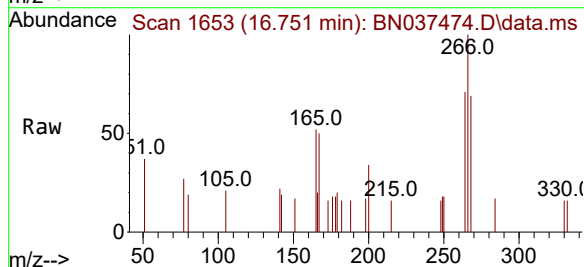
Instrument :
BNA_N
ClientSampleId :
ICVBN071125

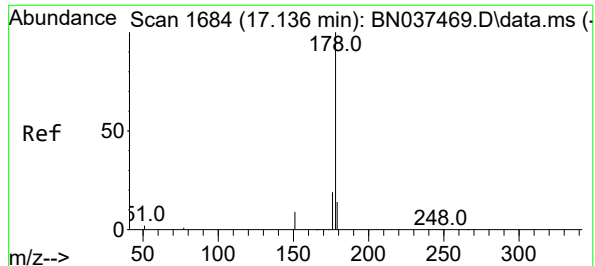
Tgt Ion:200 Resp: 469
Ion Ratio Lower Upper
200 100
173 41.9 34.3 51.5
215 49.9 41.6 62.4



#24
Pentachlorophenol
Concen: 0.337 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

Tgt Ion:266 Resp: 364
Ion Ratio Lower Upper
266 100
264 63.2 47.5 71.3
268 62.4 50.6 76.0

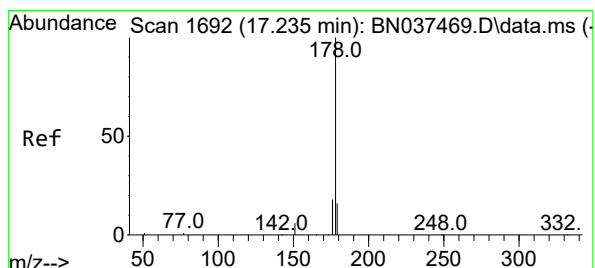
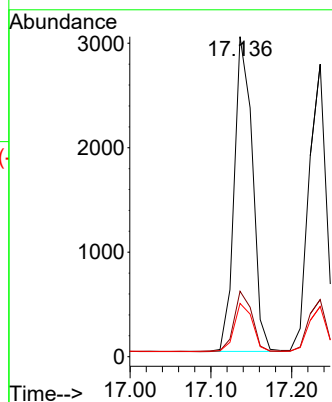
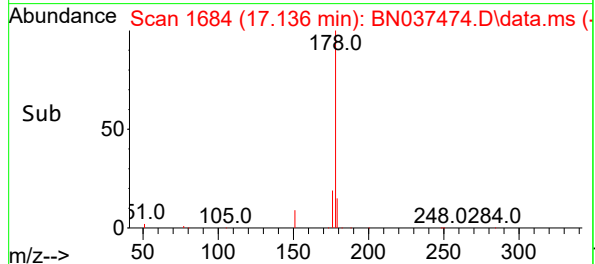
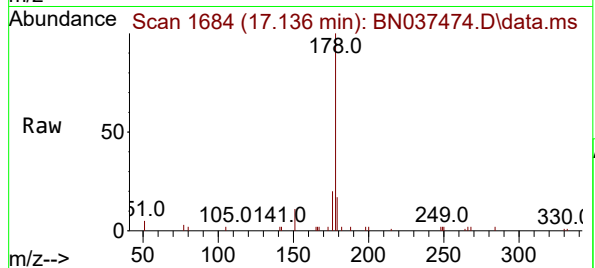




#25
Phenanthrene
Concen: 0.422 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

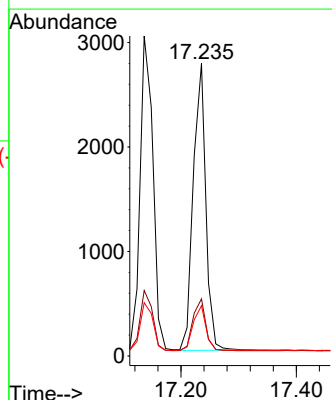
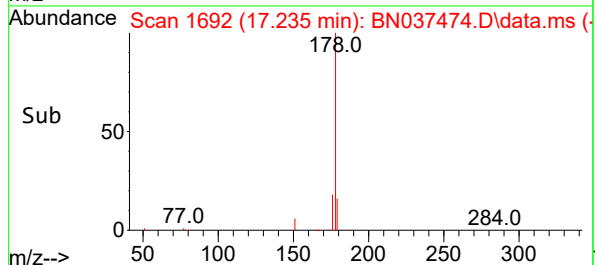
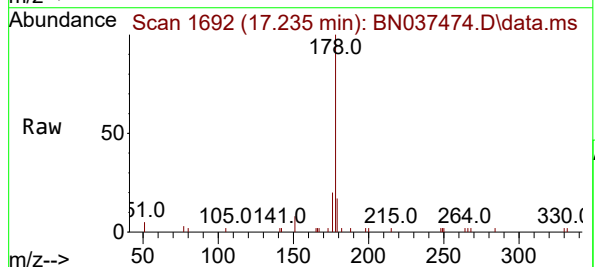
Instrument :
BNA_N
ClientSampleId :
ICVBN071125

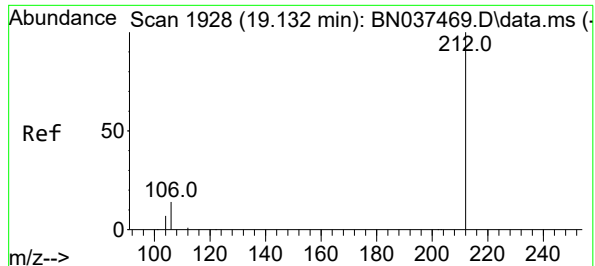
Tgt Ion:178 Resp: 4686
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.3 12.2 18.2



#26
Anthracene
Concen: 0.415 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

Tgt Ion:178 Resp: 4164
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.7 12.3 18.5

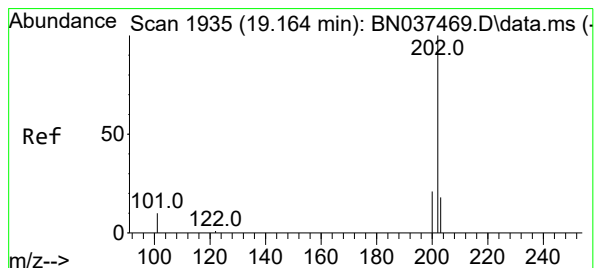
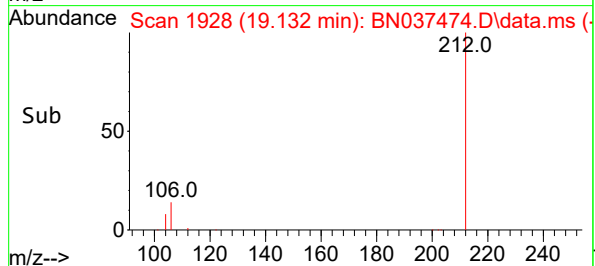
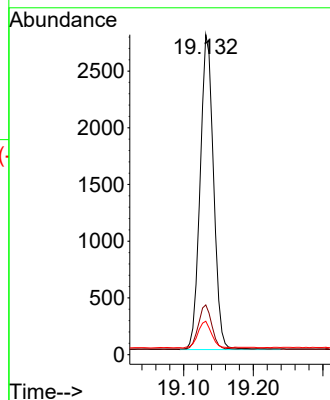
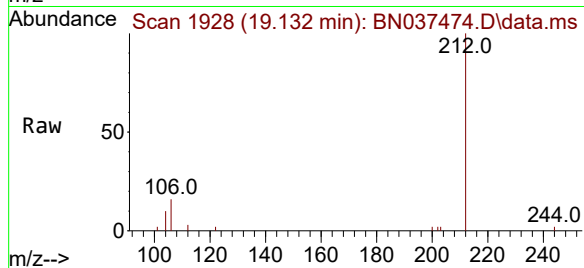




#27
Fluoranthene-d10
Concen: 0.403 ng
RT: 19.132 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

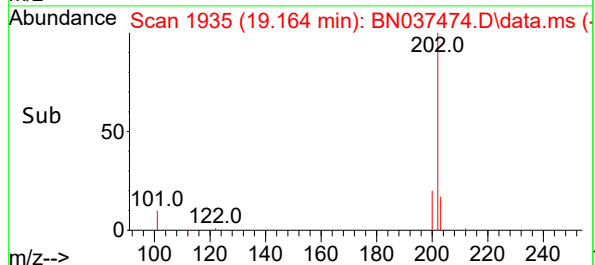
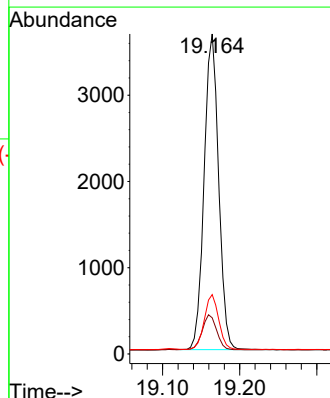
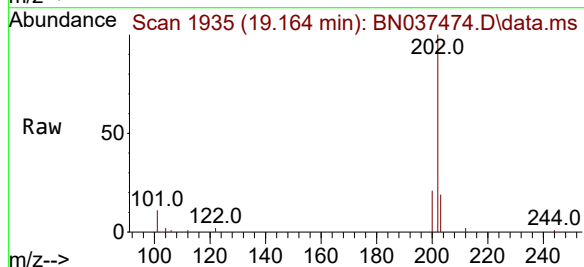
Instrument :
BNA_N
ClientSampleId :
ICVBN071125

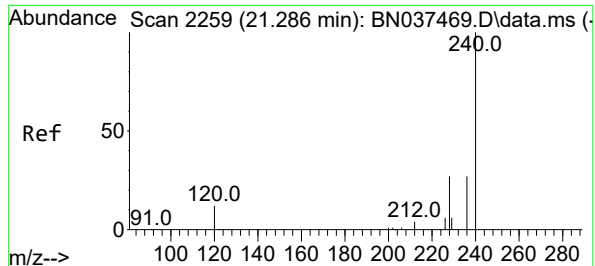
Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.9	11.7	17.5
104	8.6	6.6	10.0



#28
Fluoranthene
Concen: 0.393 ng
RT: 19.164 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.2	13.8
203	17.2	14.0	21.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037474.D

Acq: 11 Jul 2025 15:25

Instrument :

BNA_N

ClientSampleId :

ICVBN071125

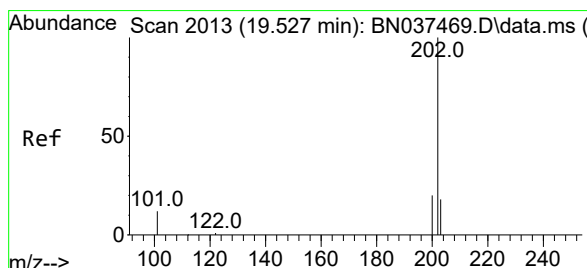
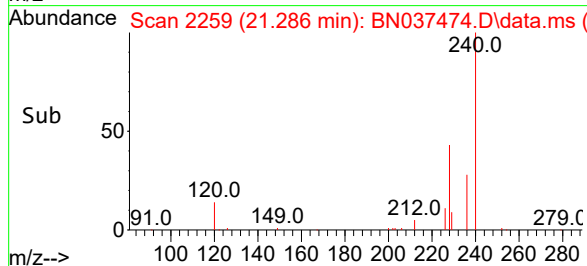
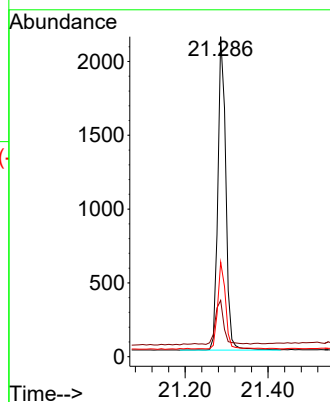
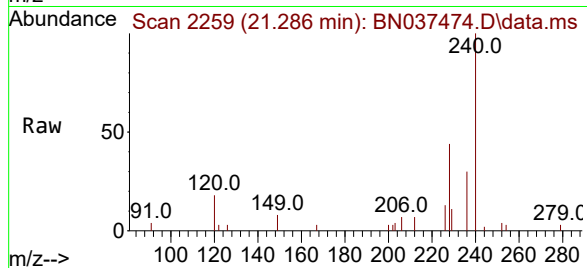
Tgt Ion:240 Resp: 2808

Ion Ratio Lower Upper

240 100

120 17.6 12.4 18.6

236 29.6 22.9 34.3



#30

Pyrene

Concen: 0.410 ng

RT: 19.527 min Scan# 2013

Delta R.T. -0.000 min

Lab File: BN037474.D

Acq: 11 Jul 2025 15:25

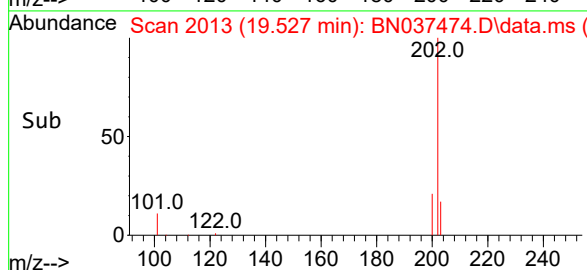
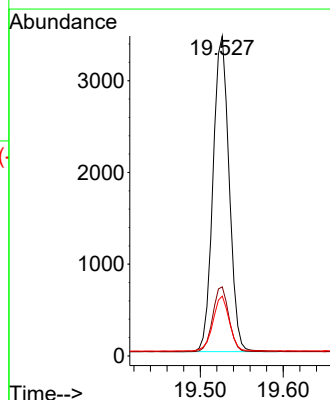
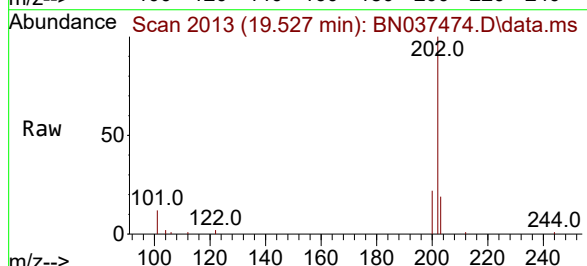
Tgt Ion:202 Resp: 4634

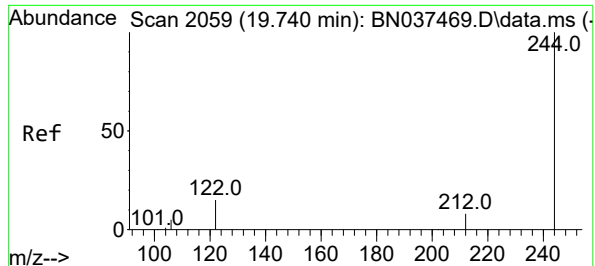
Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

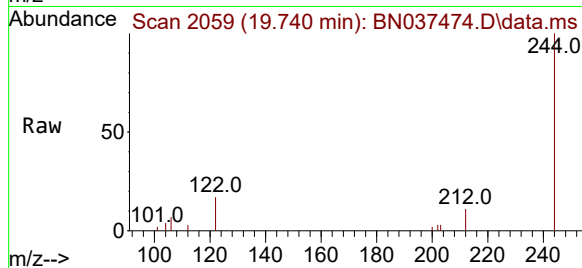
203 18.0 14.3 21.5



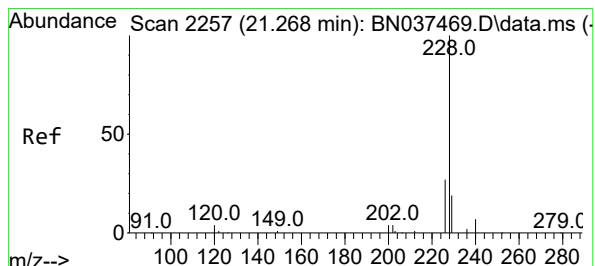
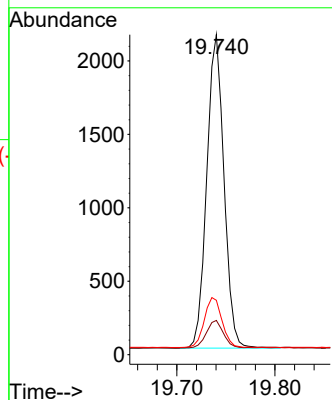


#31
Terphenyl-d14
Concen: 0.444 ng
RT: 19.740 min Scan# 2059
Delta R.T. -0.000 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

Instrument :
BNA_N
ClientSampleId :
ICVBN071125

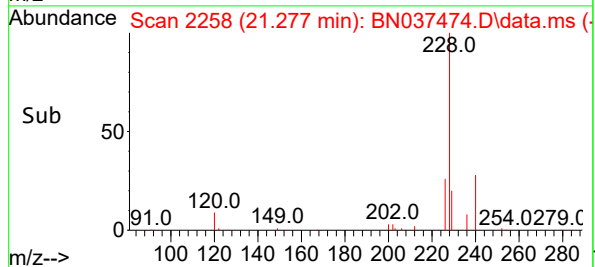
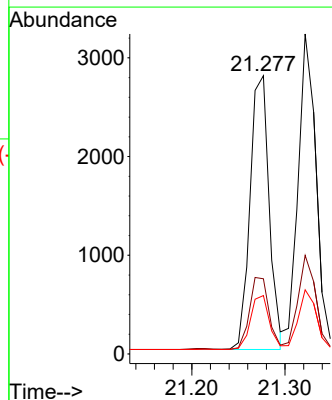
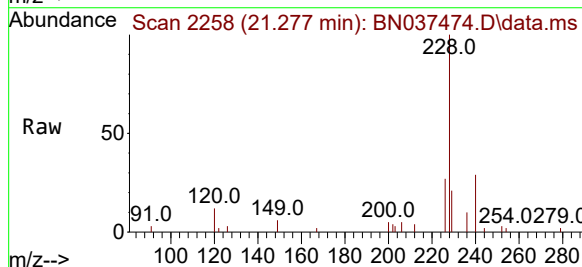


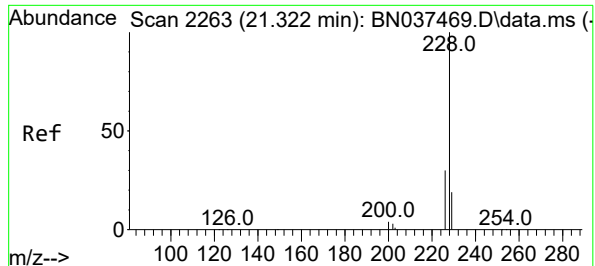
Tgt Ion:244 Resp: 2601
Ion Ratio Lower Upper
244 100
212 10.7 8.7 13.1
122 17.0 14.1 21.1



#32
Benzo(a)anthracene
Concen: 0.418 ng
RT: 21.277 min Scan# 2258
Delta R.T. 0.009 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

Tgt Ion:228 Resp: 3978
Ion Ratio Lower Upper
228 100
226 27.0 22.7 34.1
229 21.0 16.6 24.8





#33

Chrysene

Concen: 0.418 ng

RT: 21.322 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037474.D

Acq: 11 Jul 2025 15:25

Instrument :

BNA_N

ClientSampleId :

ICVBN071125

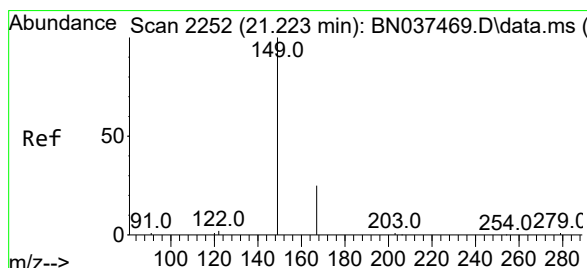
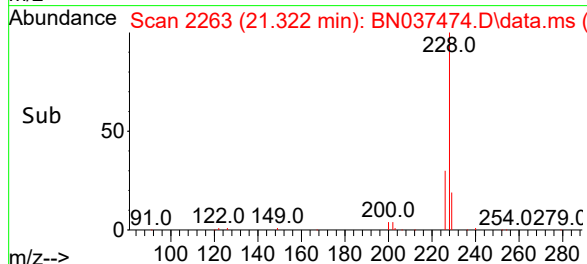
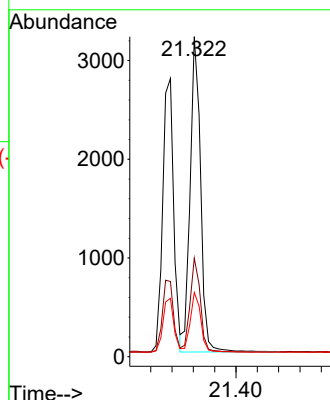
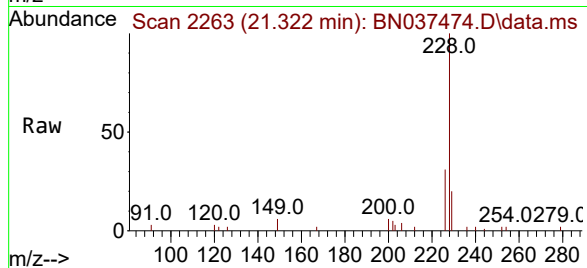
Tgt Ion:228 Resp: 4341

Ion Ratio Lower Upper

228 100

226 30.8 24.6 36.8

229 20.0 16.4 24.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.409 ng

RT: 21.232 min Scan# 2253

Delta R.T. 0.009 min

Lab File: BN037474.D

Acq: 11 Jul 2025 15:25

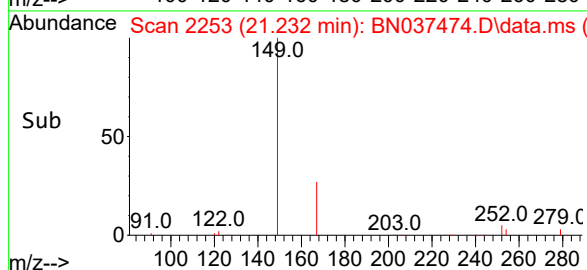
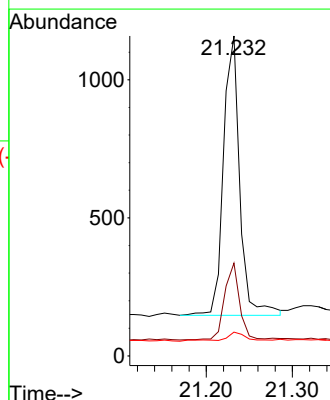
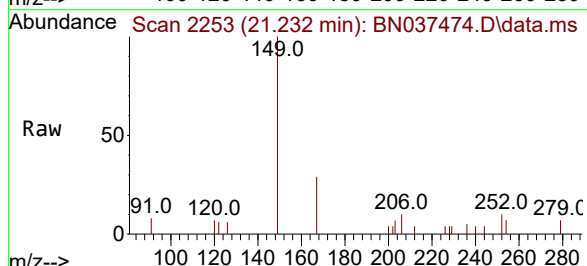
Tgt Ion:149 Resp: 1323

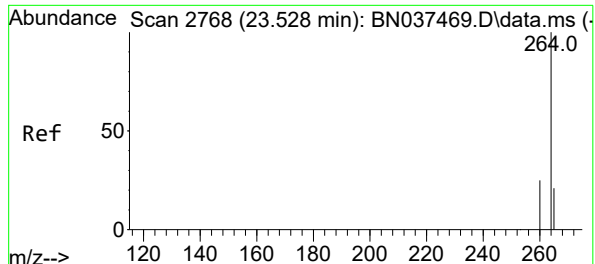
Ion Ratio Lower Upper

149 100

167 25.2 19.4 29.2

279 4.5 2.5 3.7#

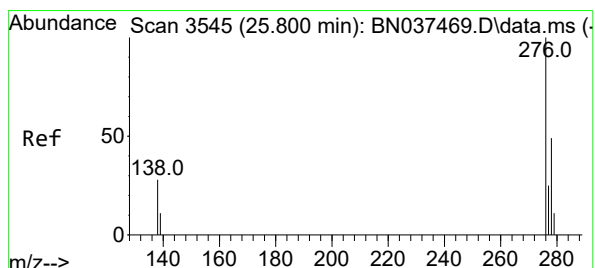
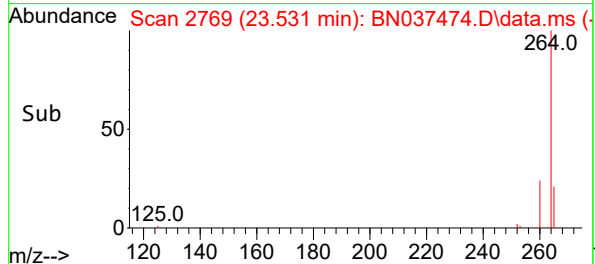
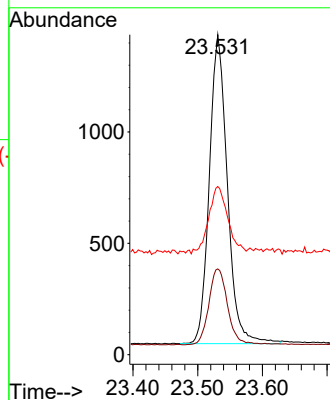
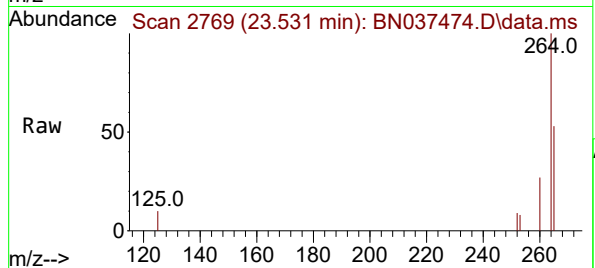




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.531 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

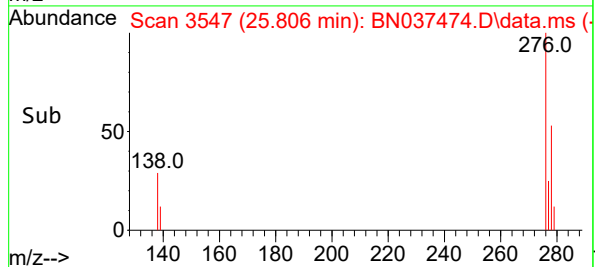
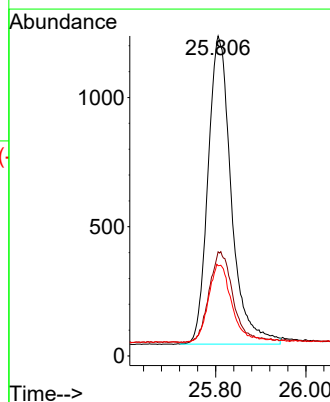
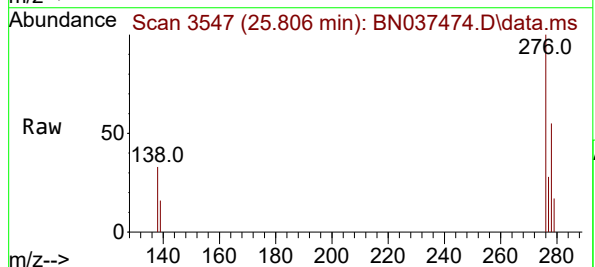
Instrument :
BNA_N
ClientSampleId :
ICVBN071125

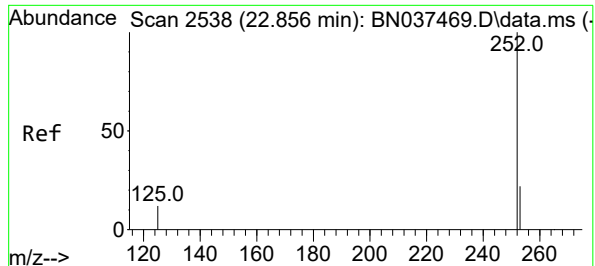
Tgt Ion:264 Resp: 2686
Ion Ratio Lower Upper
264 100
260 26.8 21.7 32.5
265 52.5 41.6 62.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.410 ng
RT: 25.806 min Scan# 3547
Delta R.T. 0.006 min
Lab File: BN037474.D
Acq: 11 Jul 2025 15:25

Tgt Ion:276 Resp: 4274
Ion Ratio Lower Upper
276 100
138 30.4 23.4 35.2
277 25.1 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 0.373 ng

RT: 22.858 min Scan# 2539

Delta R.T. 0.003 min

Lab File: BN037474.D

Acq: 11 Jul 2025 15:25

Instrument :

BNA_N

ClientSampleId :

ICVBN071125

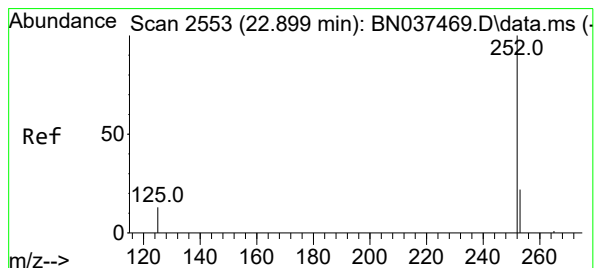
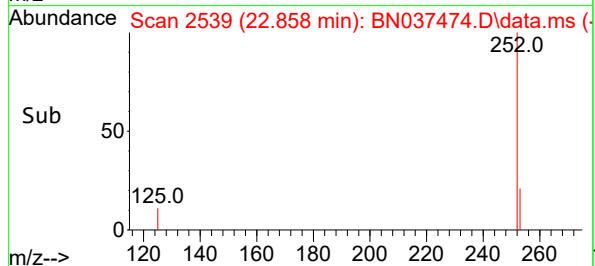
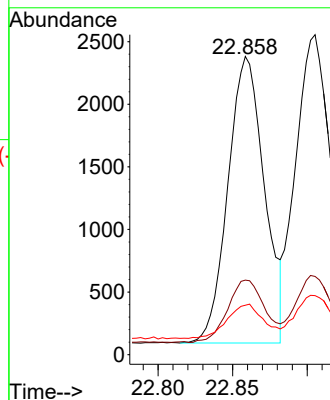
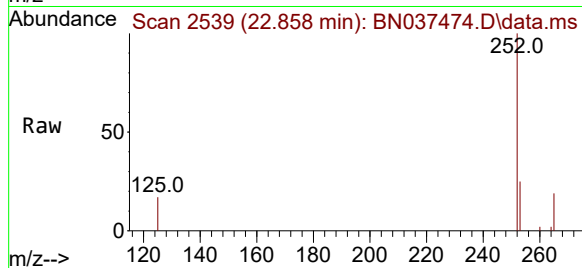
Tgt Ion:252 Resp: 3894

Ion Ratio Lower Upper

252 100

253 25.0 20.1 30.1

125 16.6 13.7 20.5



#38

Benzo(k)fluoranthene

Concen: 0.410 ng

RT: 22.905 min Scan# 2555

Delta R.T. 0.006 min

Lab File: BN037474.D

Acq: 11 Jul 2025 15:25

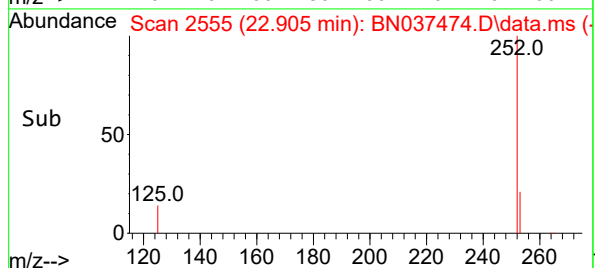
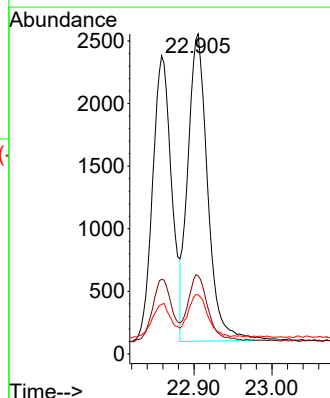
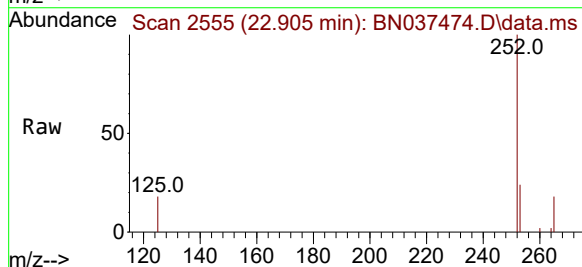
Tgt Ion:252 Resp: 4346

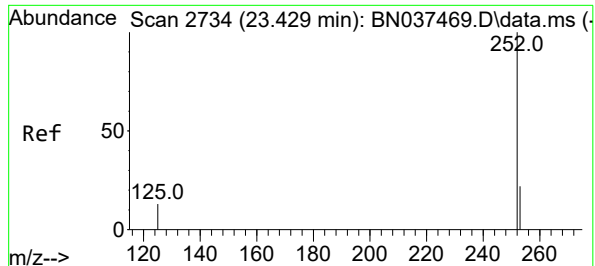
Ion Ratio Lower Upper

252 100

253 24.5 20.4 30.6

125 18.5 14.6 21.8





#39

Benzo(a)pyrene

Concen: 0.411 ng

RT: 23.434 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN037474.D

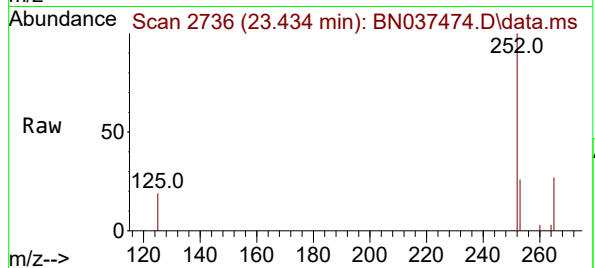
Acq: 11 Jul 2025 15:25

Instrument :

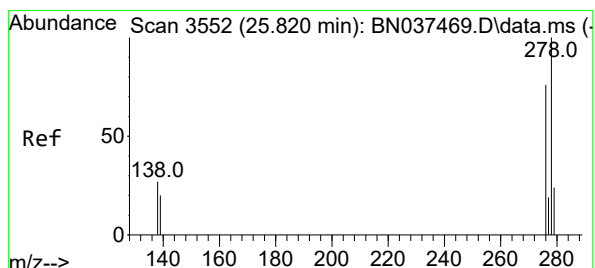
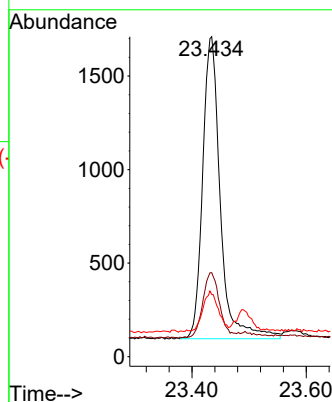
BNA_N

ClientSampleId :

ICVBN071125



Tgt Ion:	252	Resp:	3457
Ion Ratio	Lower	Upper	
252	100		
253	26.3	21.8	32.6
125	19.5	16.7	25.1



#40

Dibenzo(a,h)anthracene

Concen: 0.415 ng

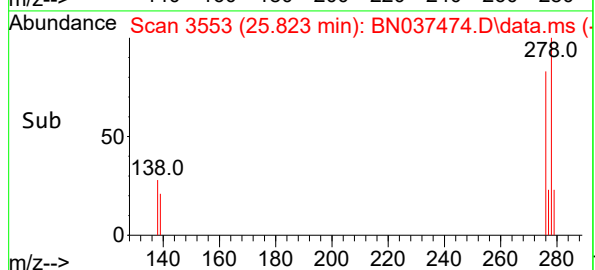
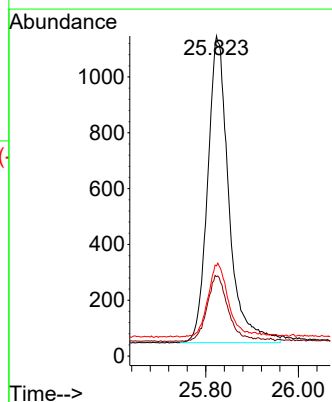
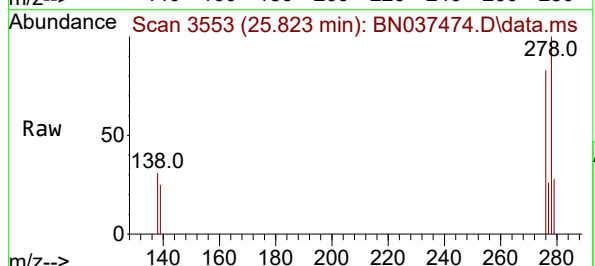
RT: 25.823 min Scan# 3553

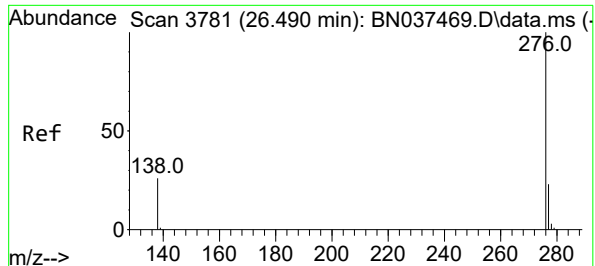
Delta R.T. 0.003 min

Lab File: BN037474.D

Acq: 11 Jul 2025 15:25

Tgt Ion:	278	Resp:	3486
Ion Ratio	Lower	Upper	
278	100		
139	24.8	19.9	29.9
279	28.2	24.8	37.2





#41

Benzo(g,h,i)perylene

Concen: 0.382 ng

RT: 26.490 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN037474.D

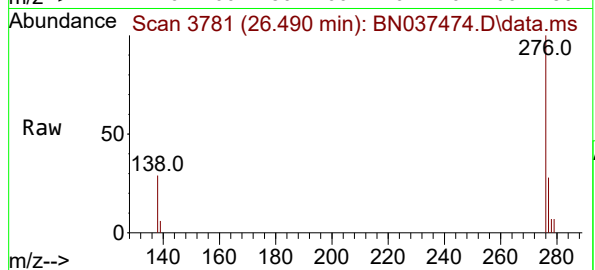
Acq: 11 Jul 2025 15:25

Instrument :

BNA_N

ClientSampleId :

ICVBN071125



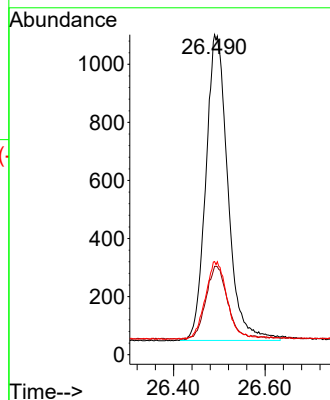
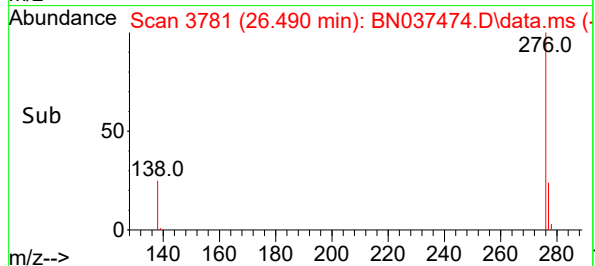
Tgt Ion:276 Resp: 3518

Ion Ratio Lower Upper

276 100

277 27.6 21.7 32.5

138 29.1 24.3 36.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
 Data File : BN037474.D
 Acq On : 11 Jul 2025 15:25
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN071125

Quant Time: Jul 11 16:29:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:38:34 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	102	0.00
2	1,4-Dioxane	0.376	0.461	-22.6	123	0.00
3	n-Nitrosodimethylamine	0.502	0.532	-6.0	109	0.00
4 S	2-Fluorophenol	0.931	0.900	3.3	99	0.00
5 S	Phenol-d6	1.171	1.117	4.6	97	0.00
6	bis(2-Chloroethyl)ether	0.980	1.105	-12.8	117	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	104	0.00
8 S	Nitrobenzene-d5	0.290	0.322	-11.0	122	0.00
9	Naphthalene	1.075	1.128	-4.9	112	0.00
10	Hexachlorobutadiene	0.258	0.275	-6.6	112	0.00
11 SURR	2-Methylnaphthalene-d10	0.544	0.573	-5.3	117	0.00
12	2-Methylnaphthalene	0.673	0.641	4.8	103	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	104	-0.01
14 S	2,4,6-Tribromophenol	0.136	0.121	11.0	103	0.00
15 S	2-Fluorobiphenyl	2.283	2.658	-16.4	120	0.00
16	Acenaphthylene	1.824	2.091	-14.6	123	0.00
17	Acenaphthene	1.224	1.264	-3.3	111	0.00
18	Fluorene	1.538	1.547	-0.6	109	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
20	4,6-Dinitro-2-methylphenol	0.045	0.046	-2.2	120	0.00
21	4-Bromophenyl-phenylether	0.250	0.263	-5.2	114	0.00
22	Hexachlorobenzene	0.344	0.372	-8.1	112	0.00
23	Atrazine	0.124	0.129	-4.0	114	0.00
24	Pentachlorophenol	0.119	0.100	16.0	101	0.00
25	Phenanthrene	1.218	1.285	-5.5	113	0.00
26	Anthracene	1.099	1.142	-3.9	115	0.00
27 SURR	Fluoranthene-d10	1.009	1.018	-0.9	114	0.00
28	Fluoranthene	1.337	1.312	1.9	110	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	105	0.00
30	Pyrene	1.608	1.650	-2.6	108	0.00
31 S	Terphenyl-d14	0.835	0.926	-10.9	118	0.00
32	Benzo(a)anthracene	1.355	1.417	-4.6	115	0.00
33	Chrysene	1.481	1.546	-4.4	110	0.00
34	Bis(2-ethylhexyl)phthalate	0.461	0.471	-2.2	109	0.00
35 I	Perylene-d12	1.000	1.000	0.0	108	0.00
36	Indeno(1,2,3-cd)pyrene	1.553	1.591	-2.4	124	0.00
37	Benzo(b)fluoranthene	1.556	1.450	6.8	111	0.00
38	Benzo(k)fluoranthene	1.577	1.618	-2.6	122	0.00
39 C	Benzo(a)pyrene	1.252	1.287	-2.8	121	0.00
40	Dibenzo(a,h)anthracene	1.252	1.298	-3.7	127	0.00
41	Benzo(g,h,i)perylene	1.372	1.310	4.5	112	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN071125

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
 Data File : BN037474.D
 Acq On : 11 Jul 2025 15:25
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN071125

Quant Time: Jul 11 16:29:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:38:34 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	102	0.00
2	1,4-Dioxane	0.400	0.491	-22.7	123	0.00
3	n-Nitrosodimethylamine	0.400	0.424	-6.0	109	0.00
4 S	2-Fluorophenol	0.400	0.387	3.3	99	0.00
5 S	Phenol-d6	0.400	0.381	4.8	97	0.00
6	bis(2-Chloroethyl)ether	0.400	0.451	-12.7	117	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	104	0.00
8 S	Nitrobenzene-d5	0.400	0.443	-10.7	122	0.00
9	Naphthalene	0.400	0.420	-5.0	112	0.00
10	Hexachlorobutadiene	0.400	0.427	-6.7	112	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.422	-5.5	117	0.00
12	2-Methylnaphthalene	0.400	0.381	4.8	103	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	104	-0.01
14 S	2,4,6-Tribromophenol	0.400	0.357	10.8	103	0.00
15 S	2-Fluorobiphenyl	0.400	0.466	-16.5	120	0.00
16	Acenaphthylene	0.400	0.459	-14.8	123	0.00
17	Acenaphthene	0.400	0.413	-3.2	111	0.00
18	Fluorene	0.400	0.402	-0.5	109	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	102	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.408	-2.0	120	0.00
21	4-Bromophenyl-phenylether	0.400	0.422	-5.5	114	0.00
22	Hexachlorobenzene	0.400	0.433	-8.2	112	0.00
23	Atrazine	0.400	0.414	-3.5	114	0.00
24	Pentachlorophenol	0.400	0.337	15.8	101	0.00
25	Phenanthrene	0.400	0.422	-5.5	113	0.00
26	Anthracene	0.400	0.415	-3.7	115	0.00
27 SURR	Fluoranthene-d10	0.400	0.403	-0.8	114	0.00
28	Fluoranthene	0.400	0.393	1.8	110	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	105	0.00
30	Pyrene	0.400	0.410	-2.5	108	0.00
31 S	Terphenyl-d14	0.400	0.444	-11.0	118	0.00
32	Benzo(a)anthracene	0.400	0.418	-4.5	115	0.00
33	Chrysene	0.400	0.418	-4.5	110	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.409	-2.2	109	0.00
35 I	Perylene-d12	0.400	0.400	0.0	108	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.410	-2.5	124	0.00
37	Benzo(b)fluoranthene	0.400	0.373	6.8	111	0.00
38	Benzo(k)fluoranthene	0.400	0.410	-2.5	122	0.00
39 C	Benzo(a)pyrene	0.400	0.411	-2.7	121	0.00
40	Dibenzo(a,h)anthracene	0.400	0.415	-3.7	127	0.00
41	Benzo(g,h,i)perylene	0.400	0.382	4.5	112	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN071125



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ENTA05
 Lab Code: ACE SDG No.: Q2580
 Instrument ID: BNA_N Calibration Date/Time: 07/14/2025 09:10
 Lab File ID: BN037483.D Init. Calib. Date(s): 07/11/2025 07/11/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:10 14:49
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.544	0.511		-6.1	20.0
Fluoranthene-d10	1.009	0.900		-10.8	20.0
2-Fluorophenol	0.931	0.920		-1.2	20.0
Phenol-d6	1.171	1.170		-0.1	20.0
Nitrobenzene-d5	0.290	0.263		-9.3	20.0
Naphthalene	1.075	1.054		-2.0	20.0
2-Methylnaphthalene	0.673	0.638		-5.2	20.0
2-Fluorobiphenyl	2.283	2.364		3.5	20.0
Acenaphthylene	1.824	1.762		-3.4	20.0
Acenaphthene	1.224	1.179		-3.7	20.0
Fluorene	1.538	1.402		-8.8	20.0
2,4,6-Tribromophenol	0.136	0.112		-17.6	20.0
Phenanthrene	1.218	1.173		-3.7	20.0
Anthracene	1.099	1.025		-6.7	20.0
Fluoranthene	1.337	1.225		-8.4	20.0
Pyrene	1.608	1.652		2.7	20.0
Terphenyl-d14	0.835	0.853		2.2	20.0
Benzo(a)anthracene	1.355	1.280		-5.5	20.0
Chrysene	1.481	1.478		-0.2	20.0
Benzo(b)fluoranthene	1.556	1.360		-12.6	20.0
Benzo(k)fluoranthene	1.577	1.451		-8.0	20.0
Benzo(a)pyrene	1.252	1.179		-5.8	20.0
Indeno(1,2,3-cd)pyrene	1.553	1.395		-10.2	20.0
Dibenzo(a,h)anthracene	1.252	1.082		-13.6	20.0
Benzo(g,h,i)perylene	1.372	1.237		-9.8	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
 Data File : BN037483.D
 Acq On : 14 Jul 2025 09:10
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Jul 14 10:55:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:38:34 2025
 Response via : Initial Calibration

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

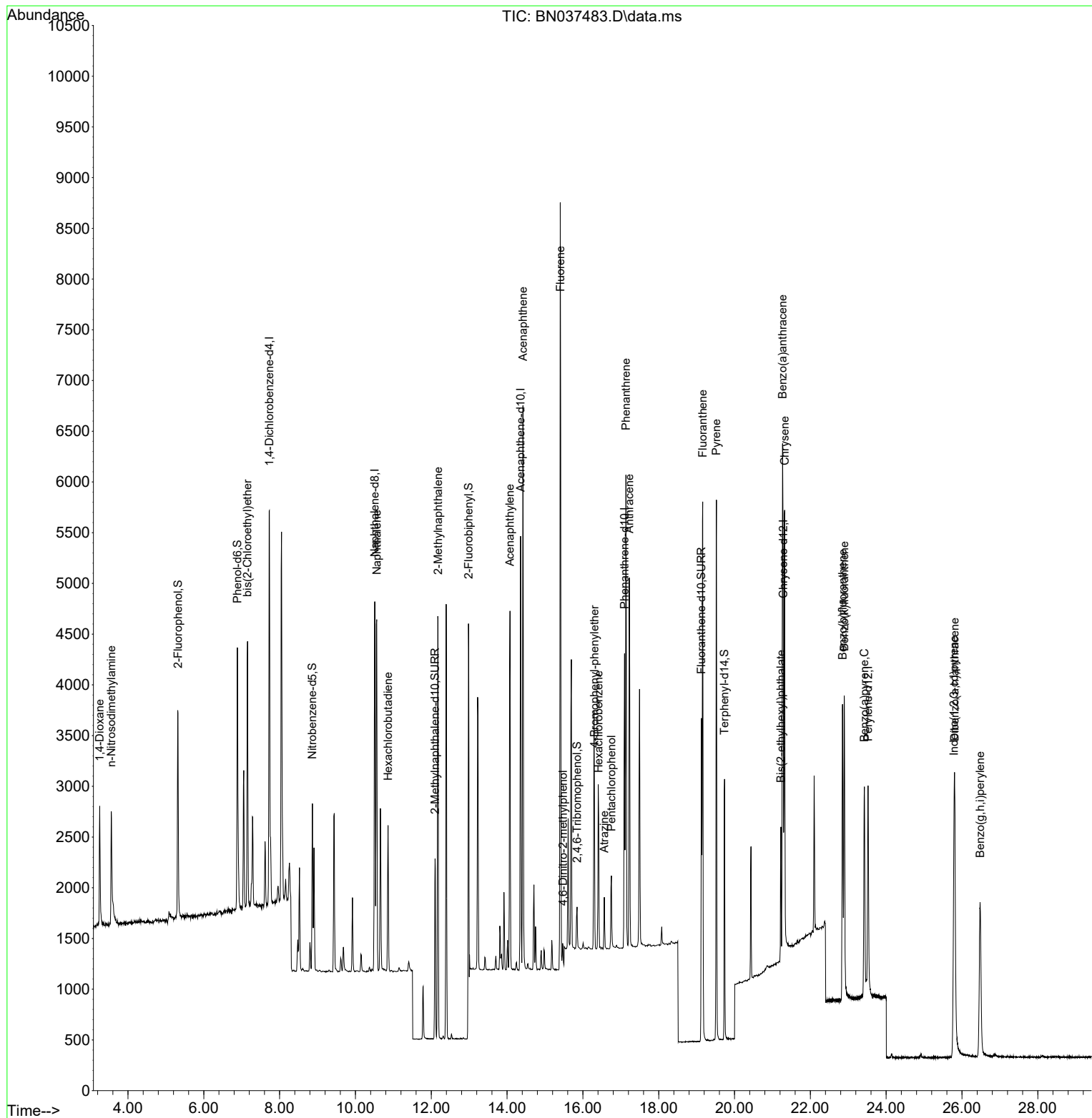
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	1935	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	4597	0.400	ng	0.00
13) Acenaphthene-d10	14.355	164	2166	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	3930	0.400	ng	# 0.00
29) Chrysene-d12	21.286	240	2837	0.400	ng	# 0.00
35) Perylene-d12	23.522	264	2676	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	1781	0.395	ng	0.00
5) Phenol-d6	6.887	99	2263	0.399	ng	0.00
8) Nitrobenzene-d5	8.865	82	1208	0.362	ng	0.00
11) 2-Methylnaphthalene-d10	12.101	152	2348	0.376	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	243	0.331	ng	0.00
15) 2-Fluorobiphenyl	12.983	172	5120	0.414	ng	0.00
27) Fluoranthene-d10	19.127	212	3538	0.357	ng	0.00
31) Terphenyl-d14	19.736	244	2420	0.409	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	772	0.425	ng	97
3) n-Nitrosodimethylamine	3.557	42	995	0.410	ng	99
6) bis(2-Chloroethyl)ether	7.154	93	1904	0.402	ng	100
9) Naphthalene	10.562	128	4843	0.392	ng	99
10) Hexachlorobutadiene	10.861	225	1140	0.384	ng	# 99
12) 2-Methylnaphthalene	12.177	142	2934	0.379	ng	98
16) Acenaphthylene	14.078	152	3817	0.386	ng	100
17) Acenaphthene	14.420	154	2553	0.385	ng	99
18) Fluorene	15.403	166	3037	0.365	ng	99
20) 4,6-Dinitro-2-methylph...	15.478	198	145	0.328	ng	95
21) 4-Bromophenyl-phenylether	16.304	248	880	0.359	ng	# 88
22) Hexachlorobenzene	16.416	284	1304	0.385	ng	99
23) Atrazine	16.565	200	387	0.317	ng	96
24) Pentachlorophenol	16.751	266	376	0.323	ng	97
25) Phenanthrene	17.136	178	4610	0.385	ng	100
26) Anthracene	17.223	178	4028	0.373	ng	100
28) Fluoranthene	19.160	202	4814	0.367	ng	100
30) Pyrene	19.522	202	4688	0.411	ng	99
32) Benzo(a)anthracene	21.268	228	3631	0.378	ng	99
33) Chrysene	21.322	228	4194	0.399	ng	99
34) Bis(2-ethylhexyl)phtha...	21.223	149	1290	0.395	ng	97
36) Indeno(1,2,3-cd)pyrene	25.791	276	3733	0.359	ng	100
37) Benzo(b)fluoranthene	22.850	252	3639	0.350	ng	99
38) Benzo(k)fluoranthene	22.894	252	3882	0.368	ng	98
39) Benzo(a)pyrene	23.426	252	3154	0.377	ng	100
40) Dibenzo(a,h)anthracene	25.808	278	2896	0.346	ng	97
41) Benzo(g,h,i)perylene	26.478	276	3310	0.361	ng	98

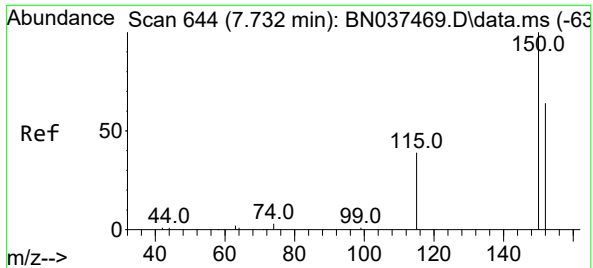
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
Data File : BN037483.D
Acq On : 14 Jul 2025 09:10
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jul 14 10:55:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:38:34 2025
Response via : Initial Calibration

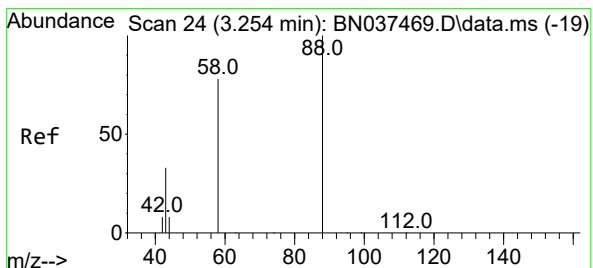
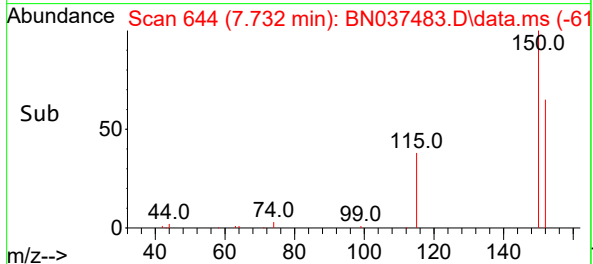
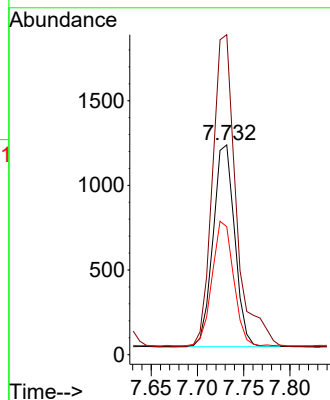
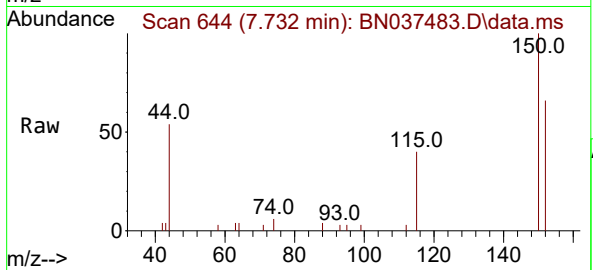




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.732 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

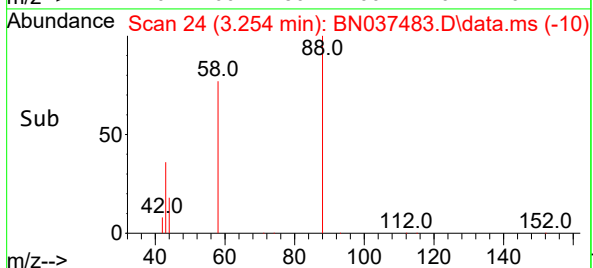
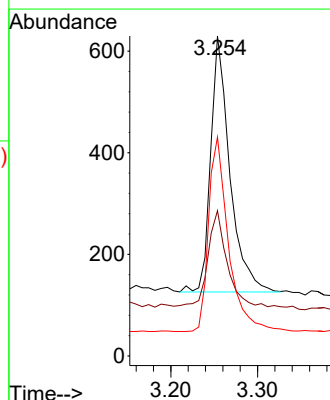
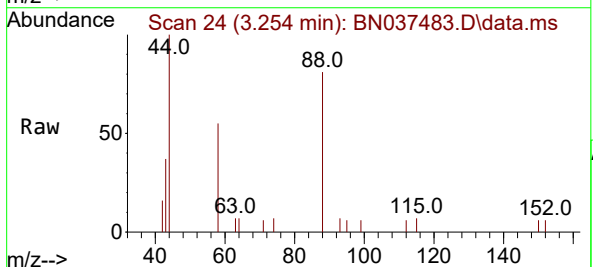
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1935
Ion Ratio Lower Upper
152 100
150 152.5 122.5 183.7
115 61.0 49.9 74.9

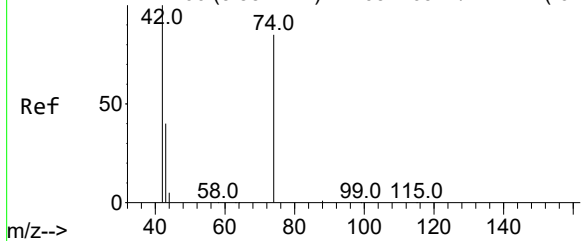


#2
1,4-Dioxane
Concen: 0.425 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

Tgt Ion: 88 Resp: 772
Ion Ratio Lower Upper
88 100
43 37.0 30.7 46.1
58 78.8 65.0 97.4



Abundance Scan 66 (3.557 min): BN037469.D\data.ms (-61)



#3

n-Nitrosodimethylamine

Concen: 0.410 ng

RT: 3.557 min Scan# 60

Delta R.T. -0.000 min

Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 42 Resp: 995

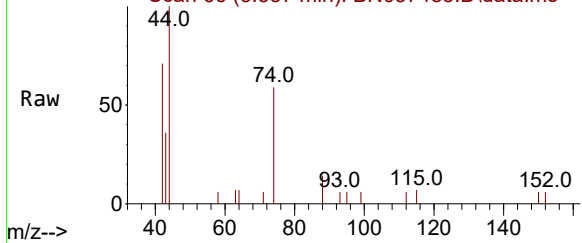
Ion Ratio Lower Upper

42 100

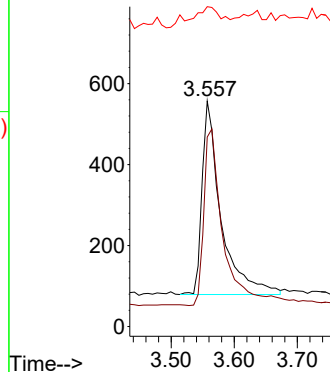
74 94.0 74.9 112.3

44 9.6 7.2 10.8

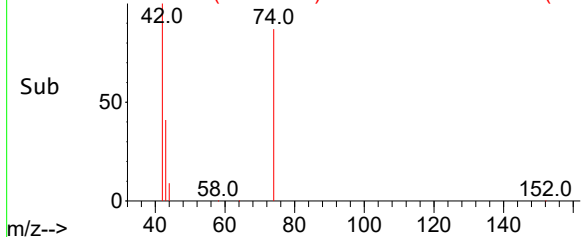
Abundance Scan 66 (3.557 min): BN037483.D\data.ms



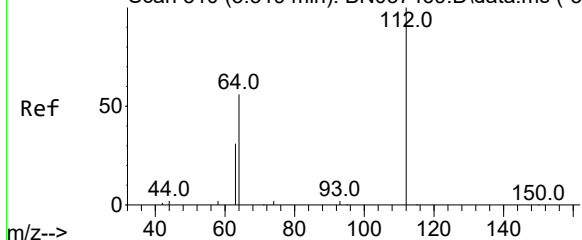
Abundance



Abundance Scan 66 (3.557 min): BN037483.D\data.ms (-45)



Abundance Scan 310 (5.319 min): BN037469.D\data.ms (-30)



#4

2-Fluorophenol

Concen: 0.395 ng

RT: 5.319 min Scan# 310

Delta R.T. -0.000 min

Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

Tgt Ion: 112 Resp: 1781

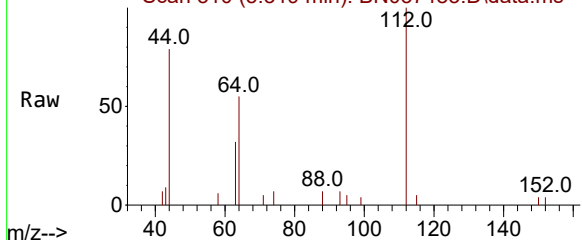
Ion Ratio Lower Upper

112 100

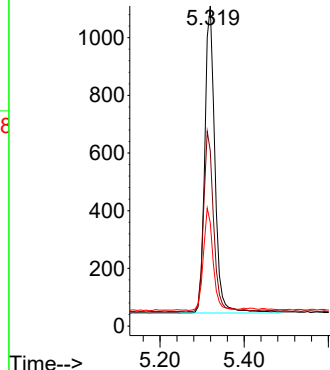
64 57.7 45.4 68.0

63 31.8 24.7 37.1

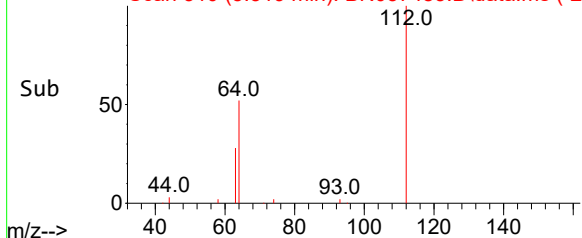
Abundance Scan 310 (5.319 min): BN037483.D\data.ms

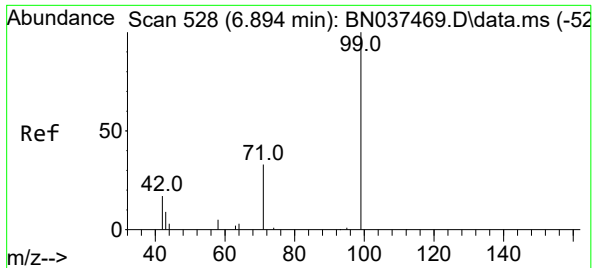


Abundance



Abundance Scan 310 (5.319 min): BN037483.D\data.ms (-28)

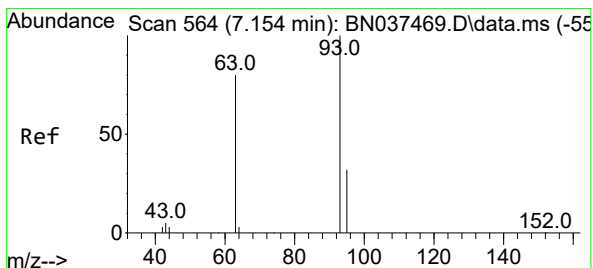
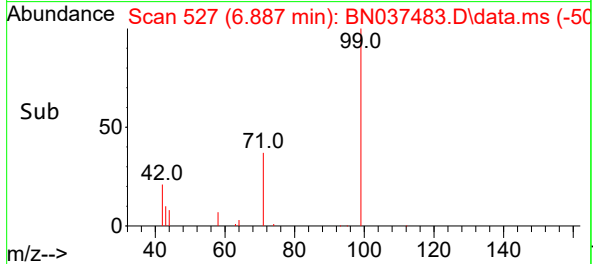
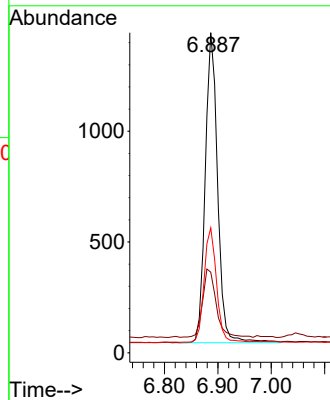
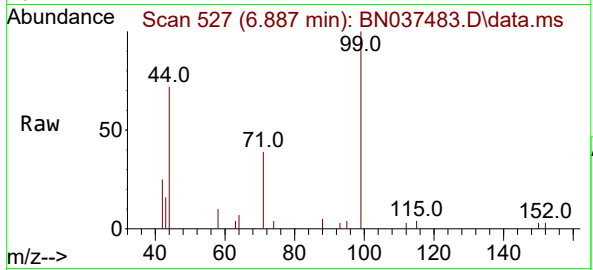




#5
Phenol-d6
Concen: 0.399 ng
RT: 6.887 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

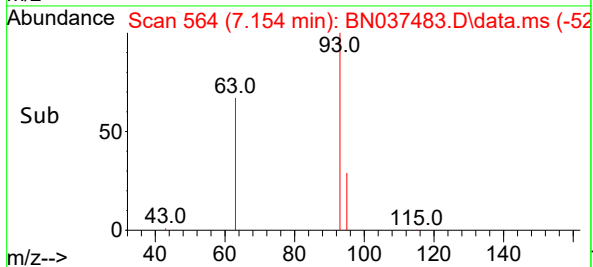
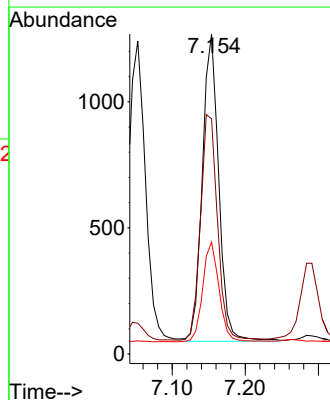
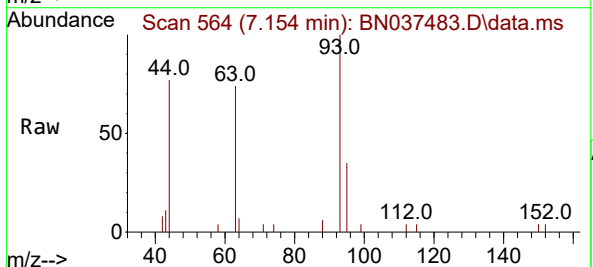
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

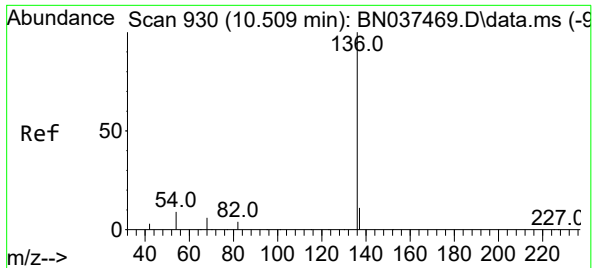
Tgt Ion: 99 Resp: 2263
Ion Ratio Lower Upper
99 100
42 23.9 19.5 29.3
71 36.9 29.4 44.2



#6
bis(2-Chloroethyl)ether
Concen: 0.402 ng
RT: 7.154 min Scan# 564
Delta R.T. -0.000 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

Tgt Ion: 93 Resp: 1904
Ion Ratio Lower Upper
93 100
63 75.7 60.8 91.2
95 32.4 25.6 38.4

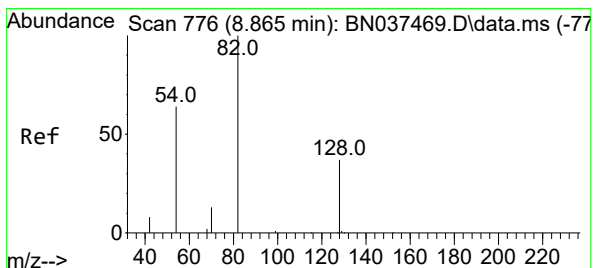
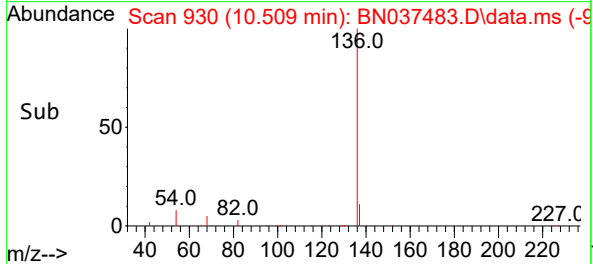
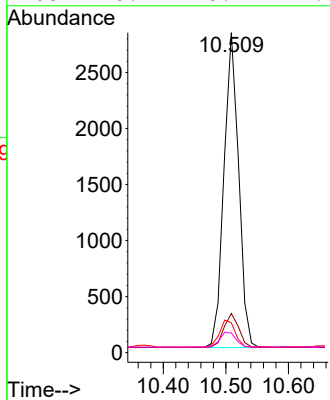
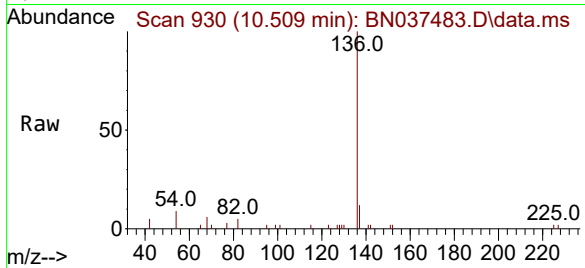




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

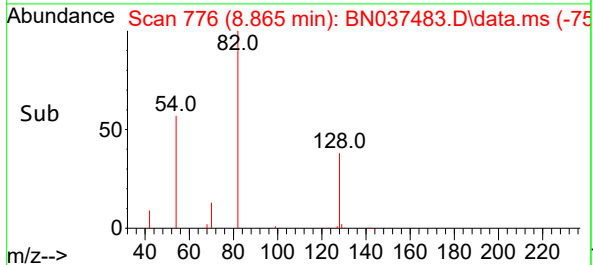
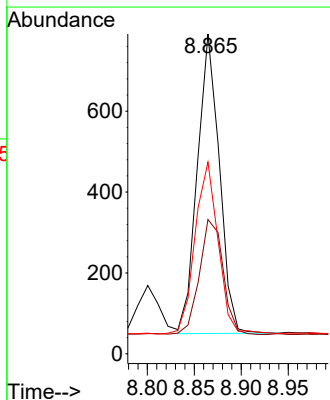
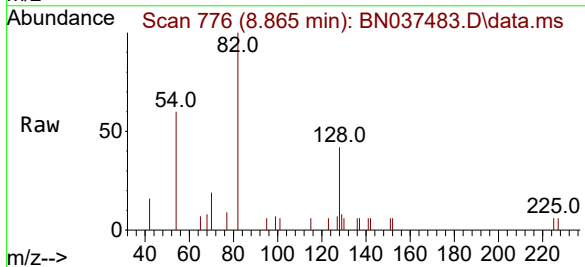
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

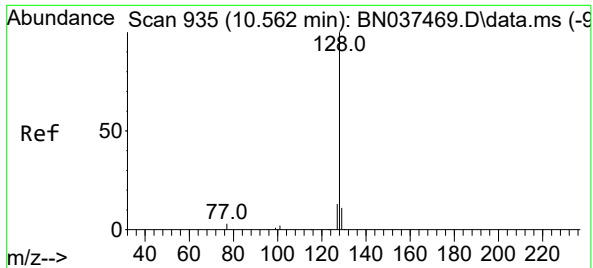
Tgt Ion:	136	Resp:	4597
Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.0	15.0
54	9.4	9.0	13.6
68	6.1	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.362 ng
RT: 8.865 min Scan# 776
Delta R.T. -0.000 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

Tgt Ion:	82	Resp:	1208
Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.1	49.7
54	59.9	53.0	79.4

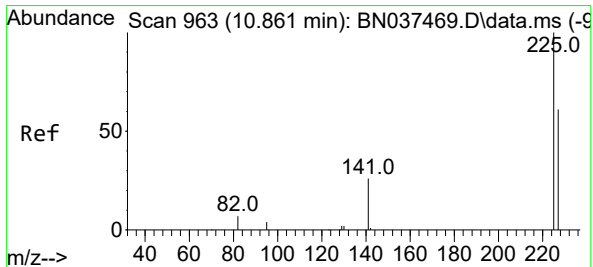
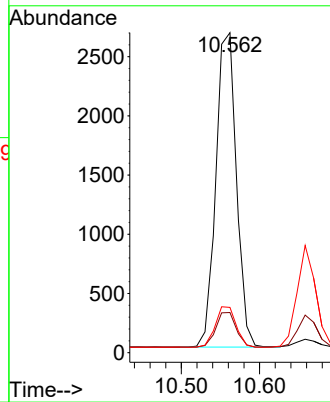
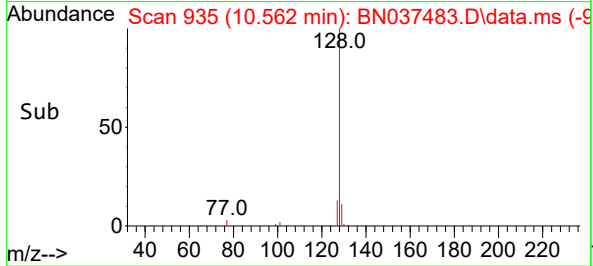
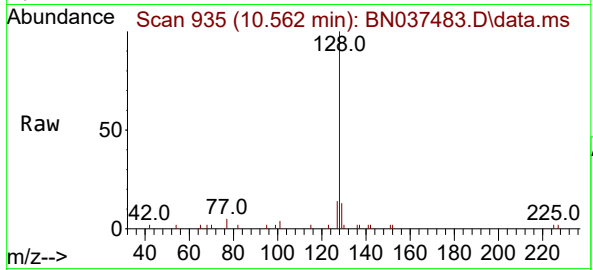




#9
Naphthalene
Concen: 0.392 ng
RT: 10.562 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

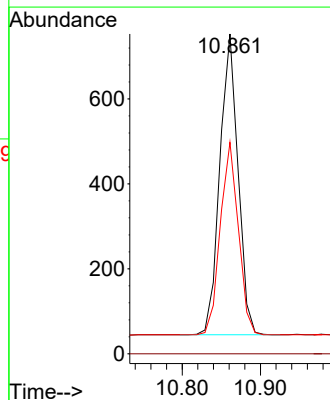
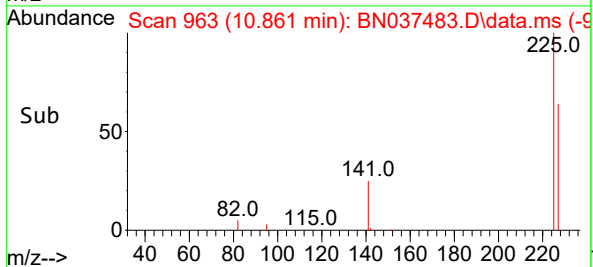
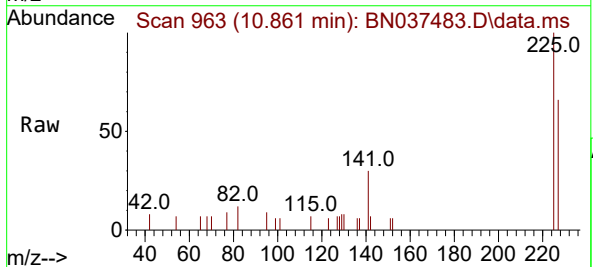
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

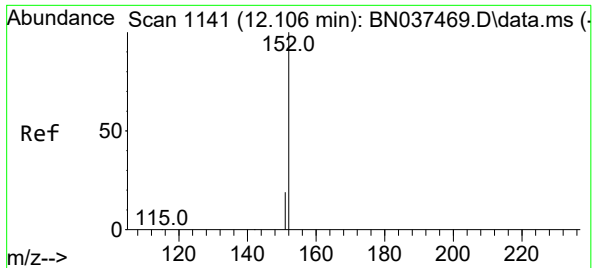
Tgt Ion:128 Resp: 4843
Ion Ratio Lower Upper
128 100
129 12.5 10.2 15.2
127 14.1 11.8 17.6



#10
Hexachlorobutadiene
Concen: 0.384 ng
RT: 10.861 min Scan# 963
Delta R.T. -0.000 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

Tgt Ion:225 Resp: 1140
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.6 51.4 77.2

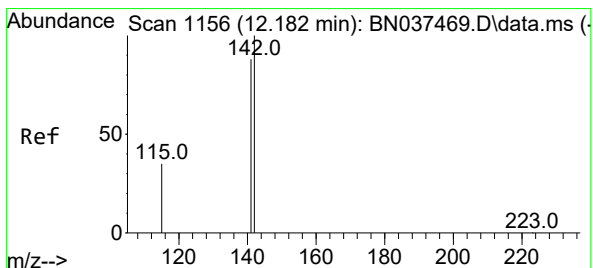
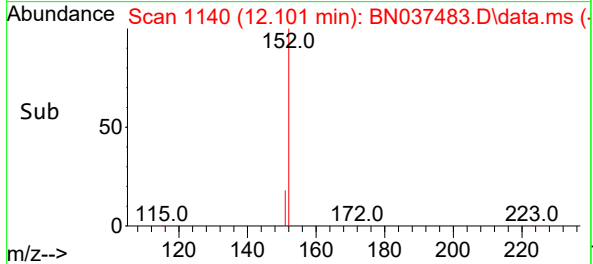
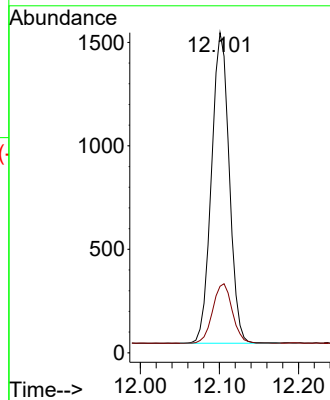
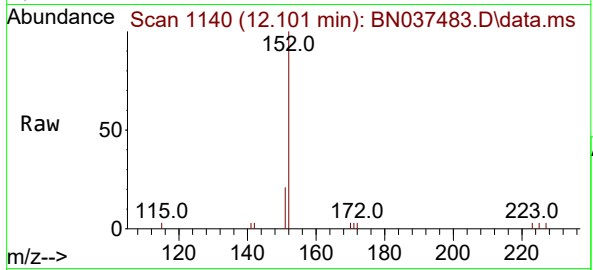




#11
2-Methylnaphthalene-d10
Concen: 0.376 ng
RT: 12.101 min Scan# 1140
Delta R.T. -0.005 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

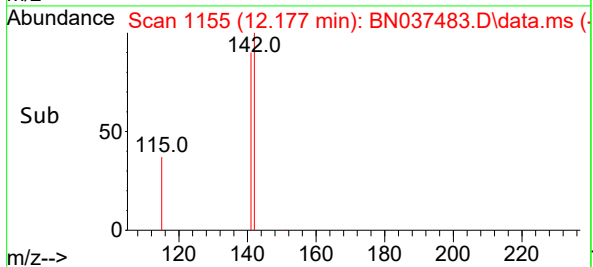
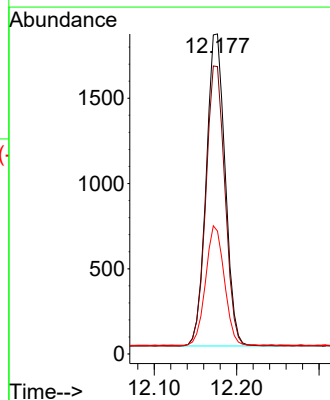
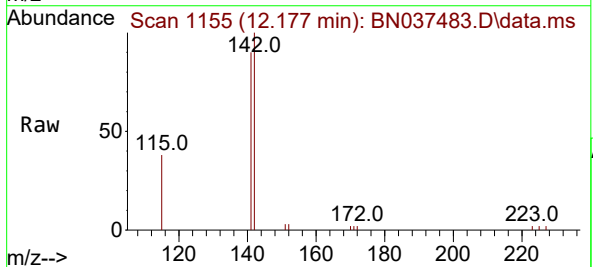
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

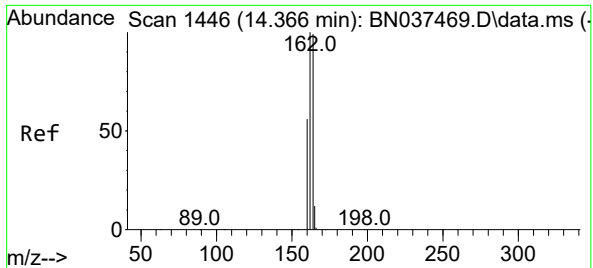
Tgt Ion:152 Resp: 2348
Ion Ratio Lower Upper
152 100
151 21.2 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.379 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

Tgt Ion:142 Resp: 2934
Ion Ratio Lower Upper
142 100
141 89.8 70.6 105.8
115 38.4 30.0 45.0

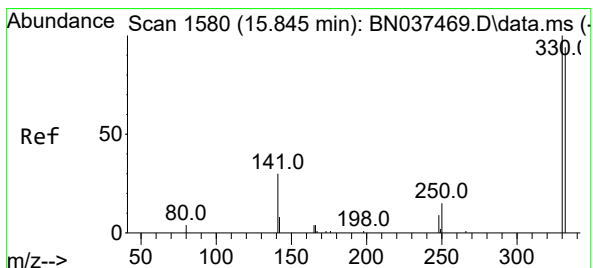
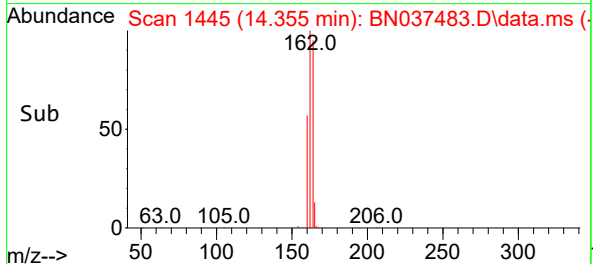
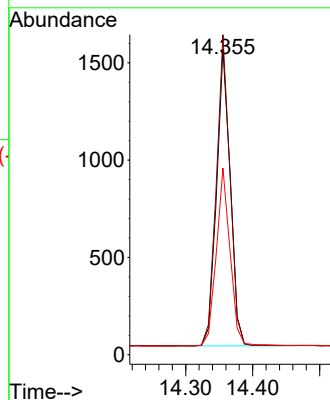
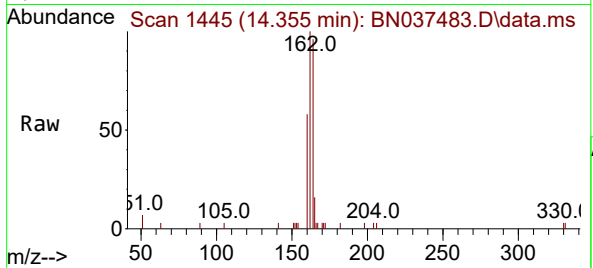




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.355 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

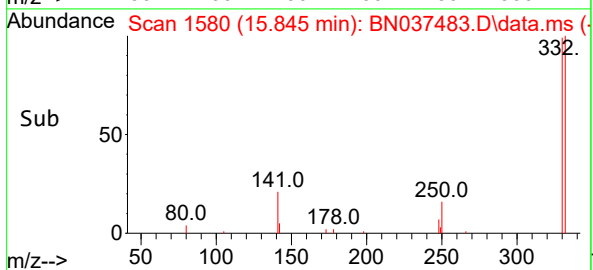
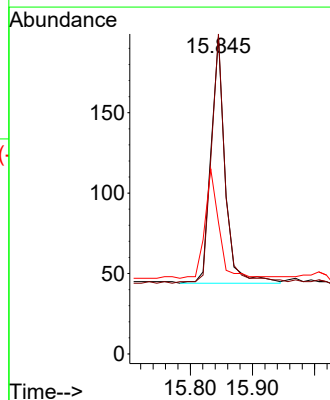
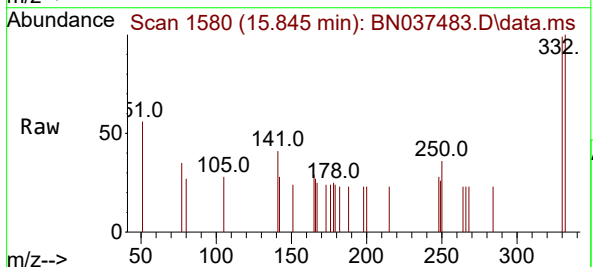
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

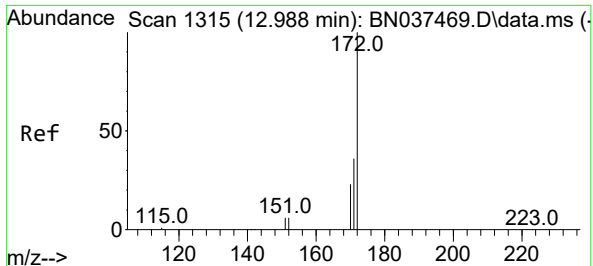
Tgt Ion:164 Resp: 2166
Ion Ratio Lower Upper
164 100
162 104.7 81.1 121.7
160 61.0 46.5 69.7



#14
2,4,6-Tribromophenol
Concen: 0.331 ng
RT: 15.845 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

Tgt Ion:330 Resp: 243
Ion Ratio Lower Upper
330 100
332 100.4 82.0 123.0
141 43.6 36.2 54.2

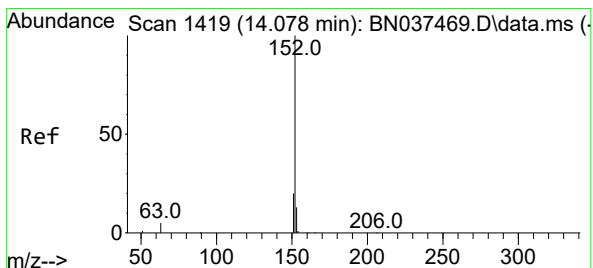
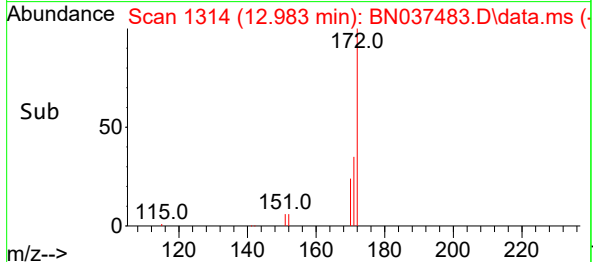
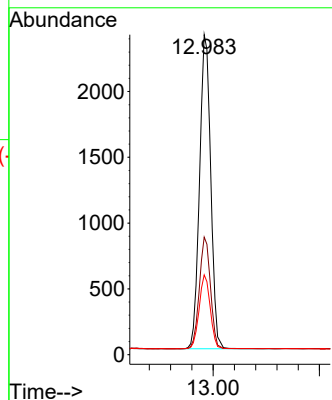
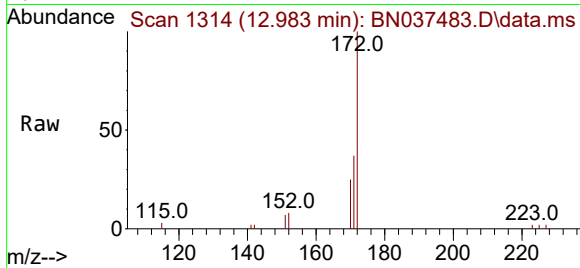




#15
2-Fluorobiphenyl
Concen: 0.414 ng
RT: 12.983 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

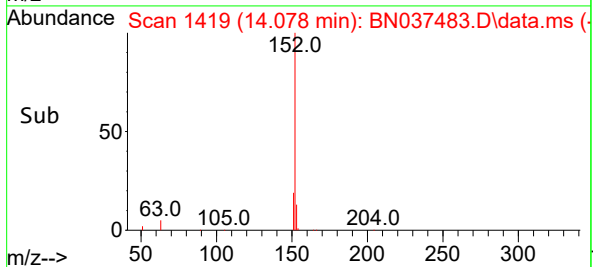
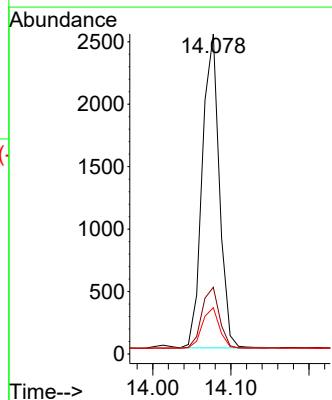
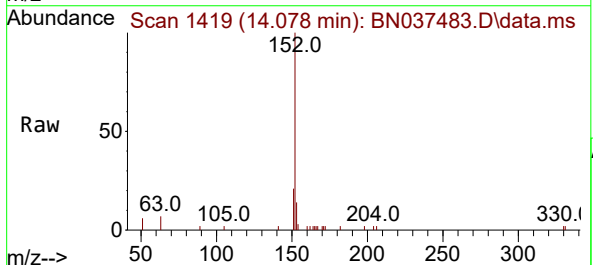
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

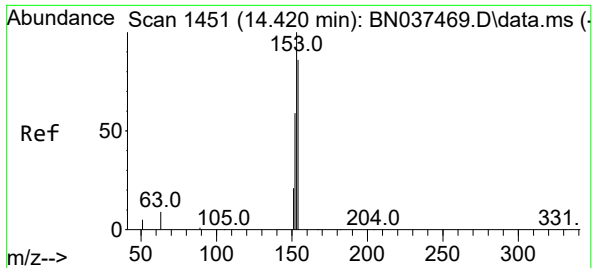
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.8	44.8
170	25.0	20.0	30.0



#16
Acenaphthylene
Concen: 0.386 ng
RT: 14.078 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	13.0	10.6	15.8

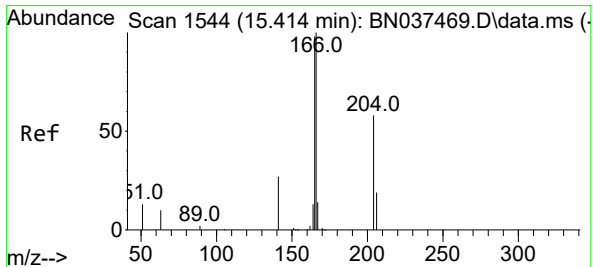
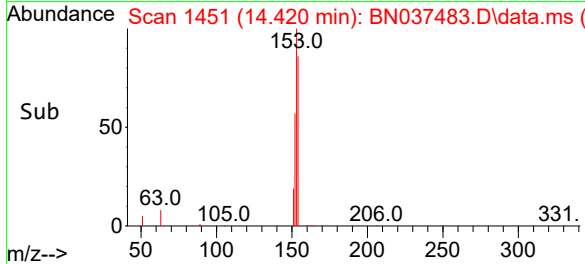
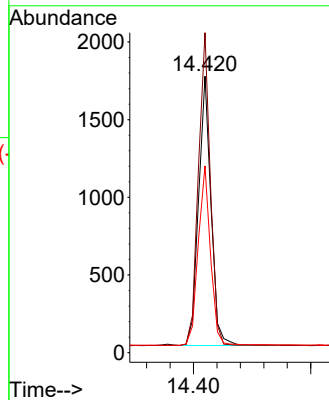
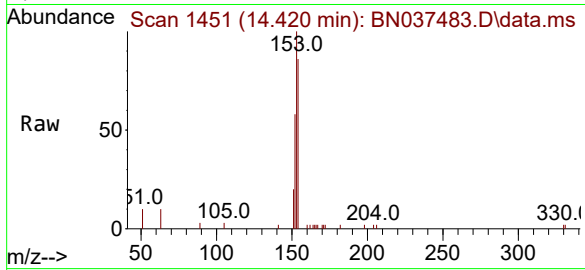




#17
Acenaphthene
Concen: 0.385 ng
RT: 14.420 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

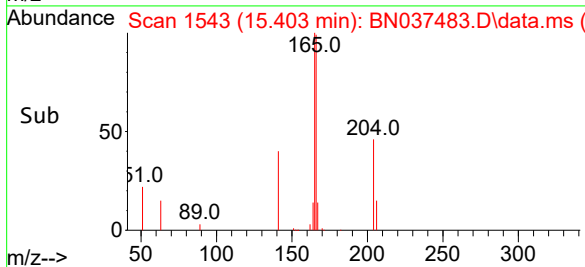
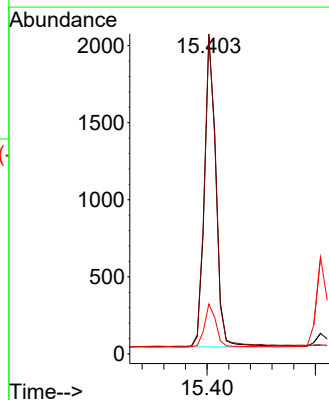
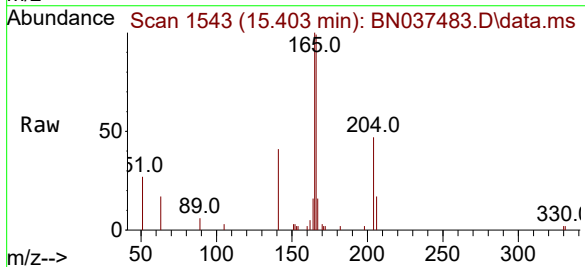
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

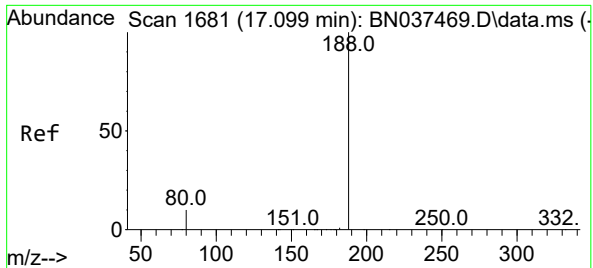
Tgt Ion:154 Resp: 2553
Ion Ratio Lower Upper
154 100
153 112.2 89.4 134.0
152 66.0 53.2 79.8



#18
Fluorene
Concen: 0.365 ng
RT: 15.403 min Scan# 1543
Delta R.T. -0.011 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

Tgt Ion:166 Resp: 3037
Ion Ratio Lower Upper
166 100
165 100.1 79.4 119.2
167 13.9 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

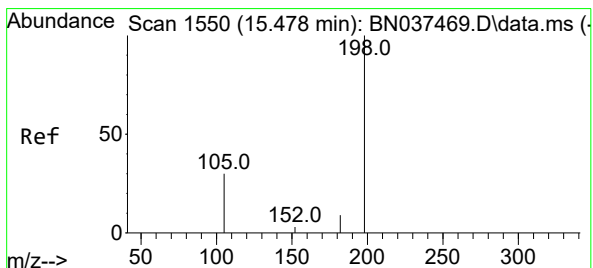
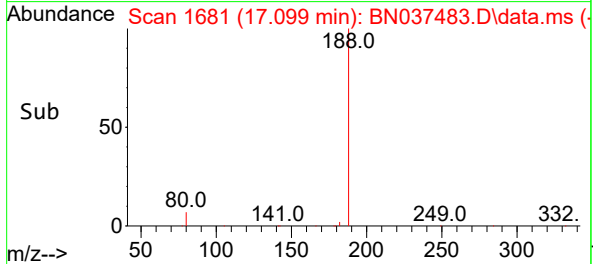
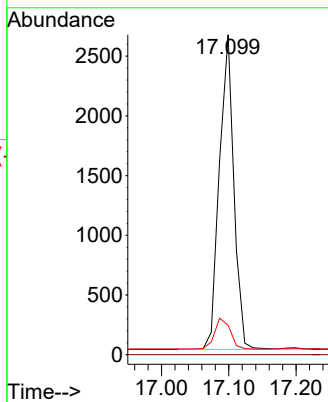
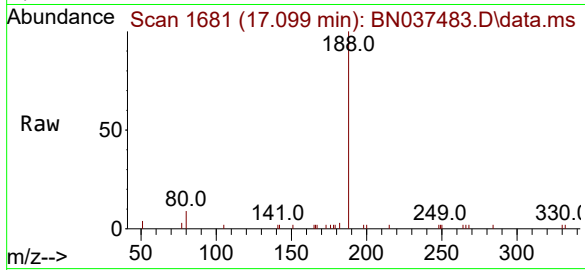
Tgt Ion:188 Resp: 3930

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.2 9.3 13.9#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.328 ng

RT: 15.478 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

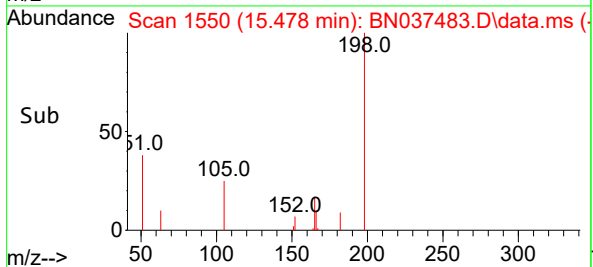
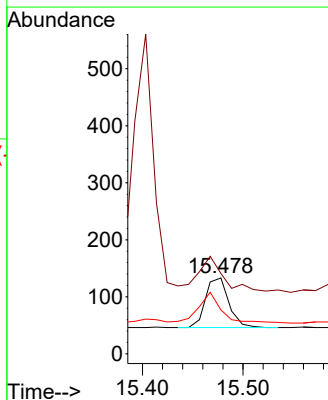
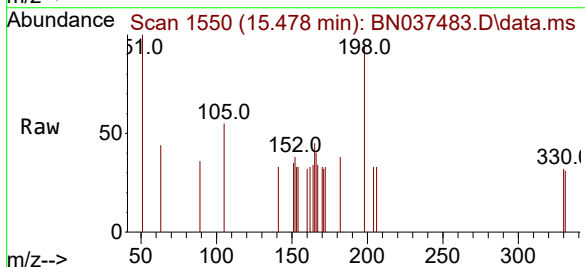
Tgt Ion:198 Resp: 145

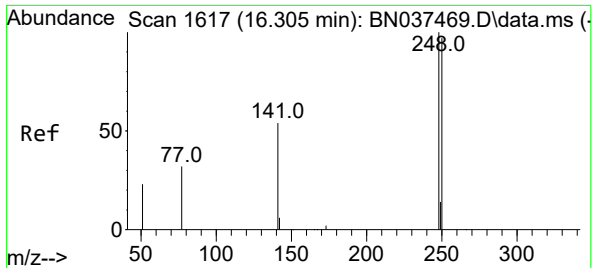
Ion Ratio Lower Upper

198 100

51 106.0 86.0 129.0

105 57.9 53.0 79.4

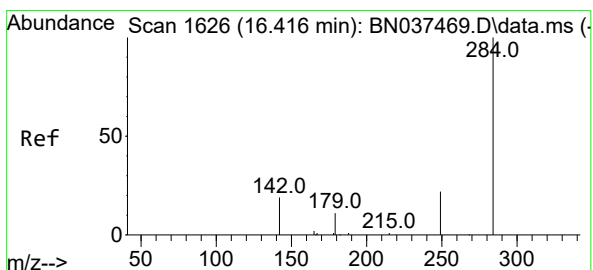
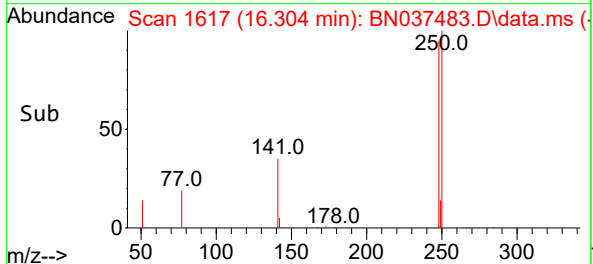
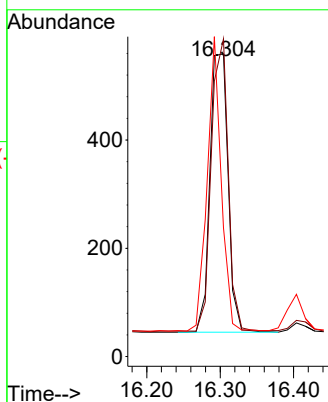
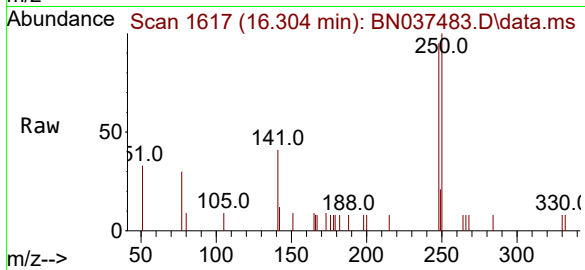




#21
4-Bromophenyl-phenylether
Concen: 0.359 ng
RT: 16.304 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

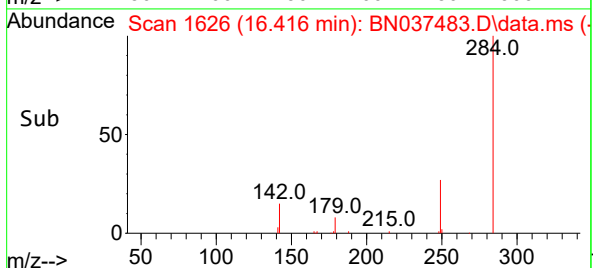
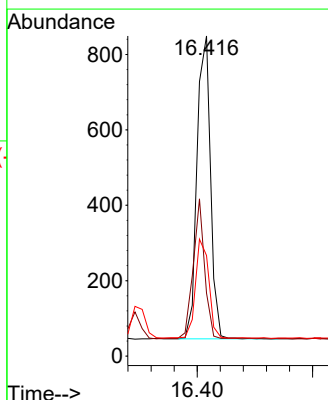
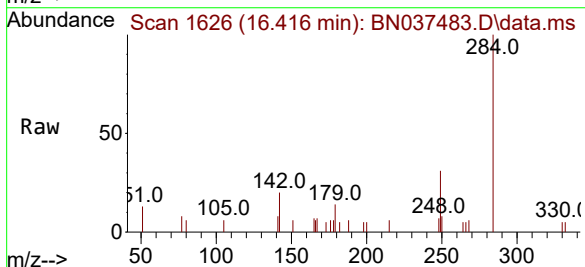
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

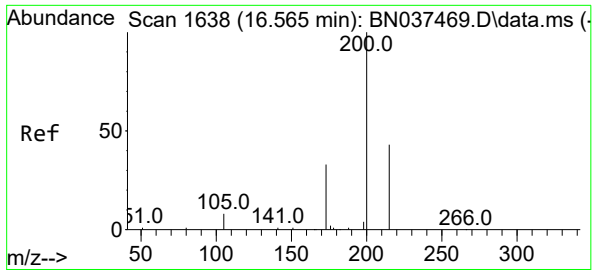
Tgt Ion:248 Resp: 880
Ion Ratio Lower Upper
248 100
250 105.0 77.8 116.6
141 42.6 45.9 68.9#



#22
Hexachlorobenzene
Concen: 0.385 ng
RT: 16.416 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

Tgt Ion:284 Resp: 1304
Ion Ratio Lower Upper
284 100
142 39.2 31.3 46.9
249 32.6 26.6 40.0





#23

Atrazine

Concen: 0.317 ng

RT: 16.565 min Scan# 1638

Delta R.T. 0.000 min

Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

Instrument :

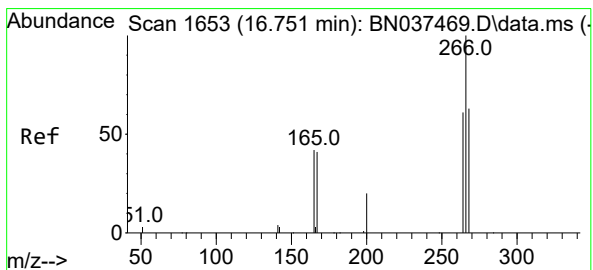
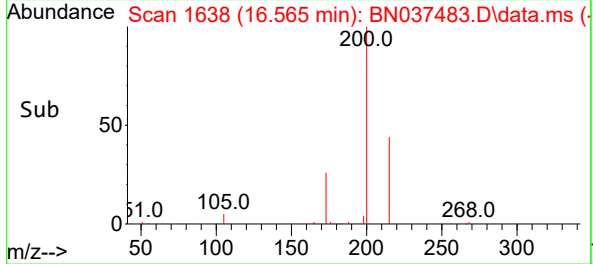
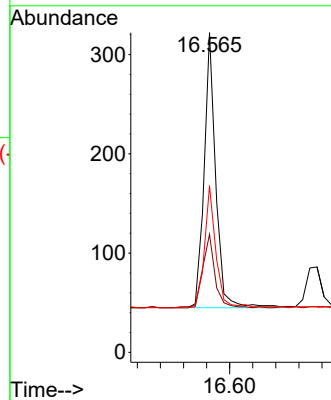
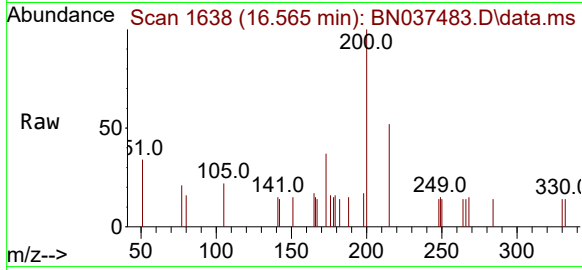
BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion:200 Resp: 387

Ion	Ratio	Lower	Upper
200	100		
173	37.0	34.3	51.5
215	52.2	41.6	62.4



#24

Pentachlorophenol

Concen: 0.323 ng

RT: 16.751 min Scan# 1653

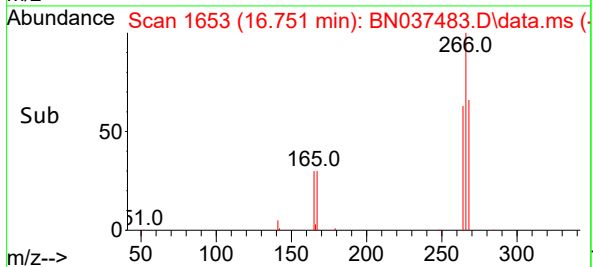
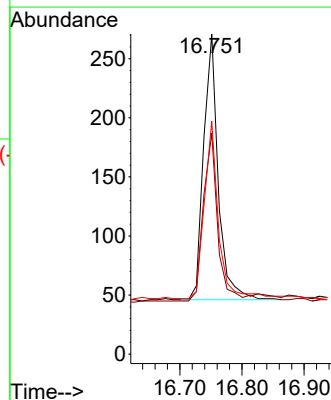
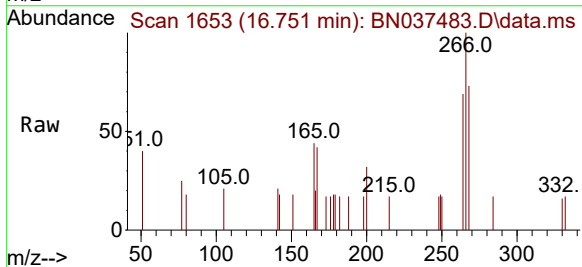
Delta R.T. 0.000 min

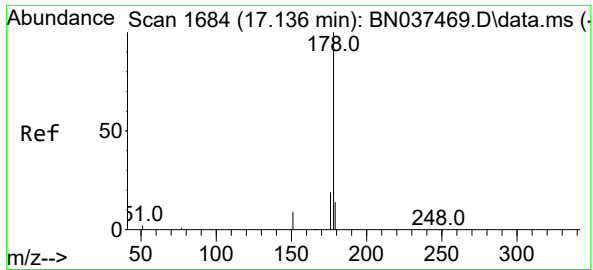
Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

Tgt Ion:266 Resp: 376

Ion	Ratio	Lower	Upper
266	100		
264	61.7	47.5	71.3
268	64.9	50.6	76.0

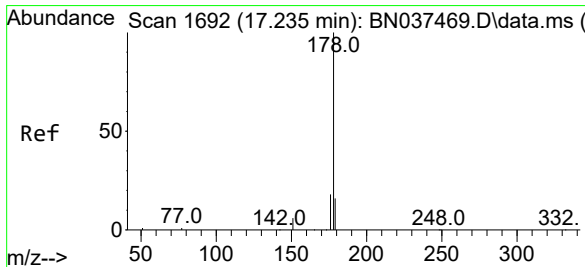
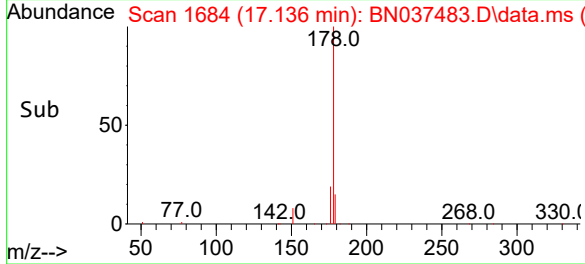
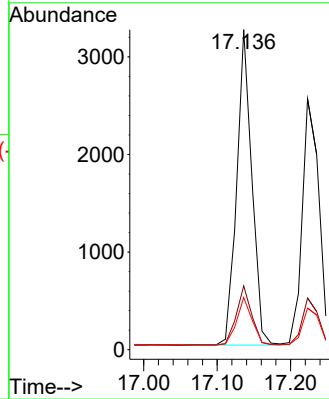
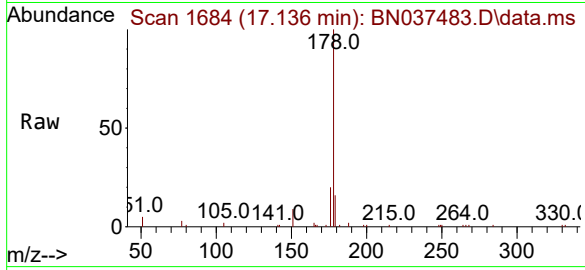




#25
Phenanthrene
Concen: 0.385 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

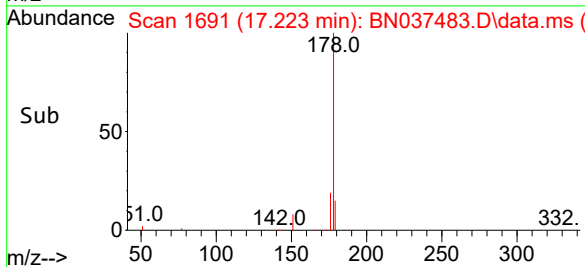
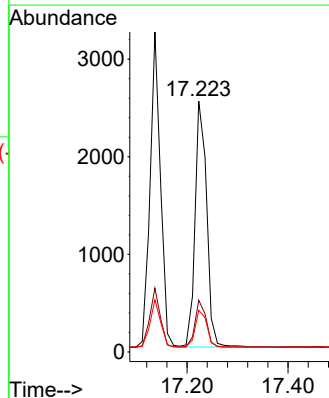
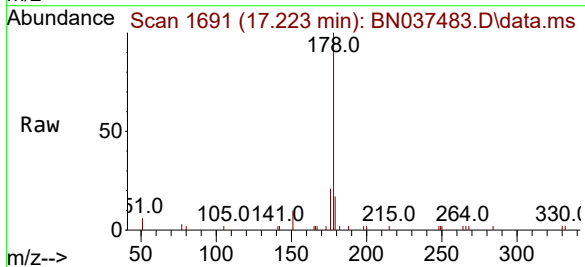
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

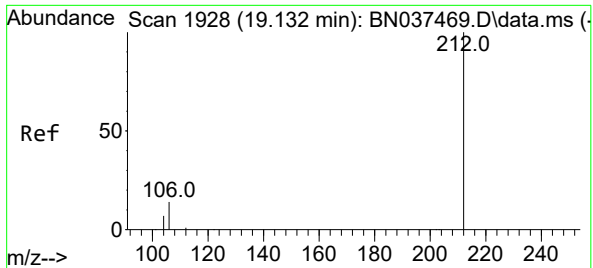
Tgt Ion:178 Resp: 4610
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.3 12.2 18.2



#26
Anthracene
Concen: 0.373 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.012 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

Tgt Ion:178 Resp: 4028
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 15.2 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.357 ng

RT: 19.127 min Scan# 1927

Delta R.T. -0.005 min

Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

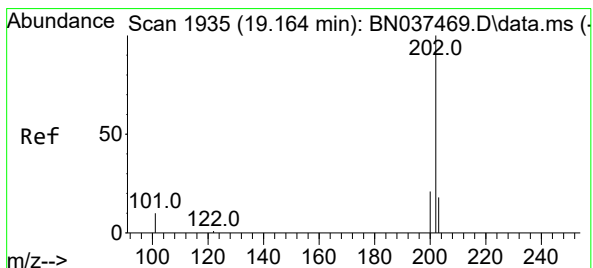
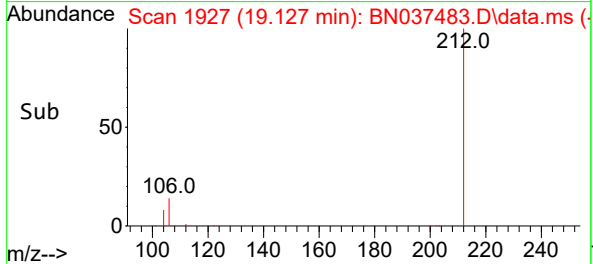
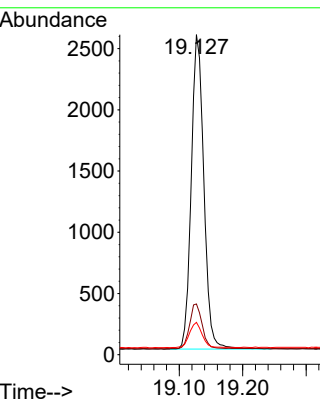
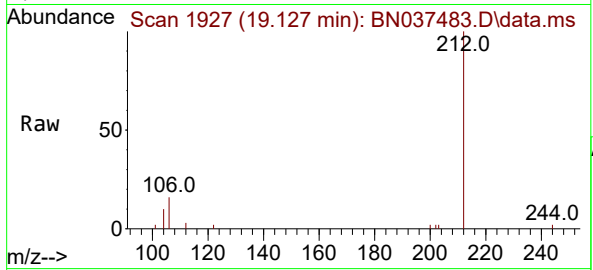
Tgt Ion:212 Resp: 3538

Ion Ratio Lower Upper

212 100

106 14.2 11.7 17.5

104 8.1 6.6 10.0



#28

Fluoranthene

Concen: 0.367 ng

RT: 19.160 min Scan# 1934

Delta R.T. -0.005 min

Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

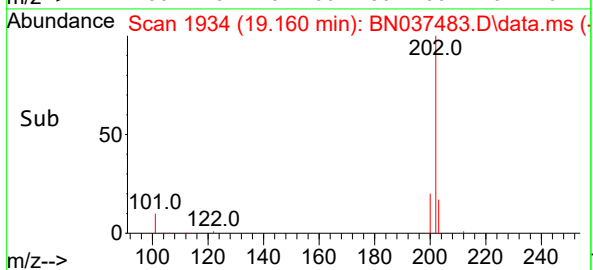
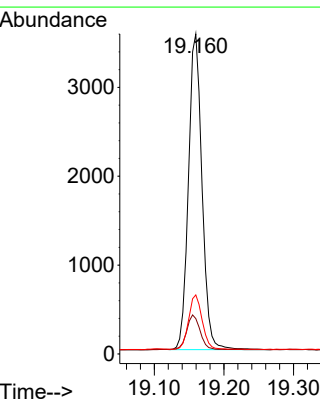
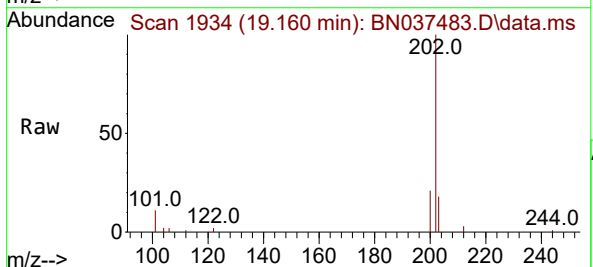
Tgt Ion:202 Resp: 4814

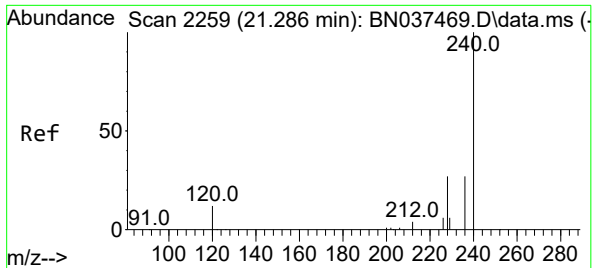
Ion Ratio Lower Upper

202 100

101 11.3 9.2 13.8

203 17.4 14.0 21.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

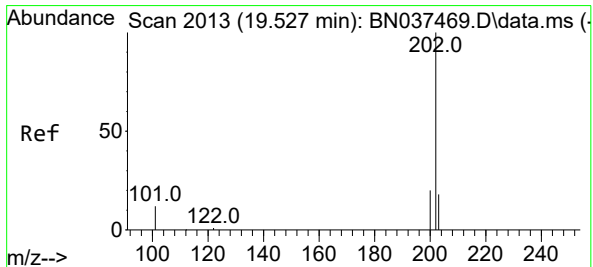
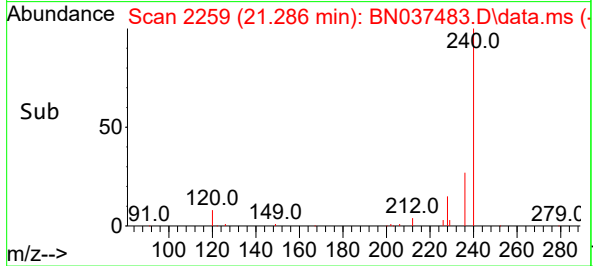
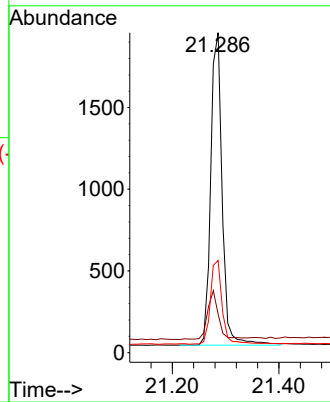
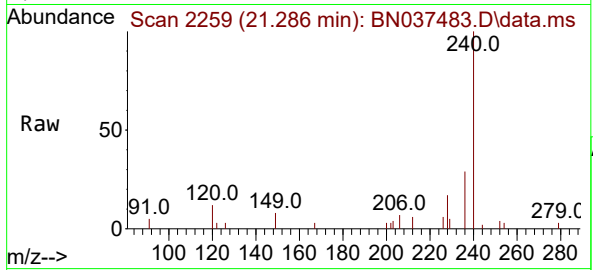
Tgt Ion:240 Resp: 2837

Ion Ratio Lower Upper

240 100

120 12.1 12.4 18.6#

236 28.8 22.9 34.3



#30

Pyrene

Concen: 0.411 ng

RT: 19.522 min Scan# 2012

Delta R.T. -0.005 min

Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

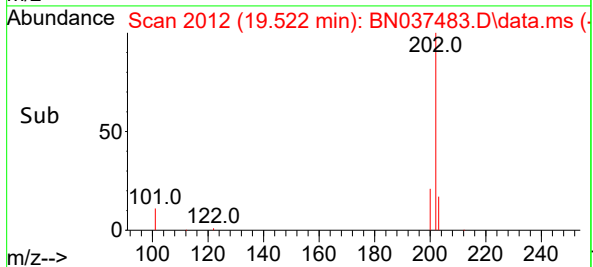
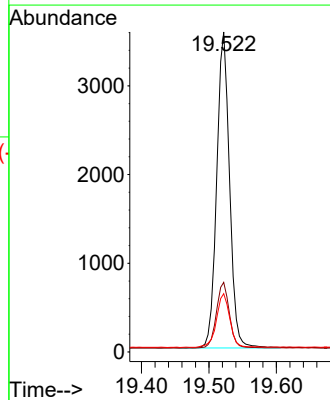
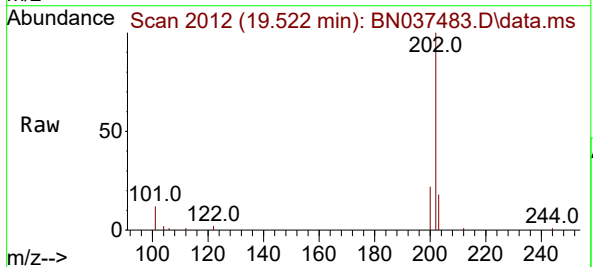
Tgt Ion:202 Resp: 4688

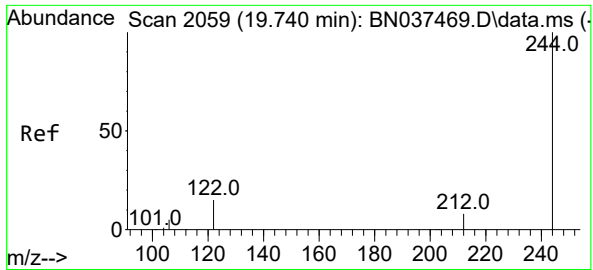
Ion Ratio Lower Upper

202 100

200 21.0 16.4 24.6

203 17.8 14.3 21.5

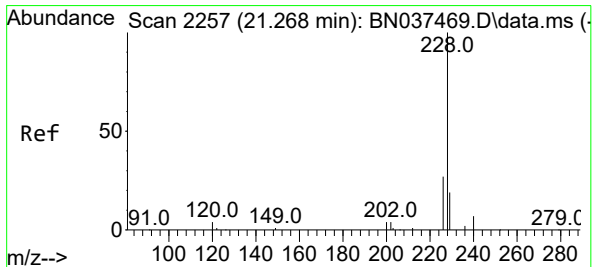
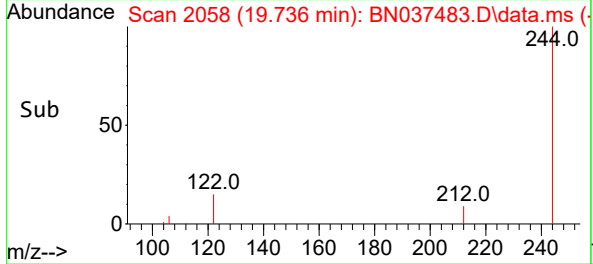
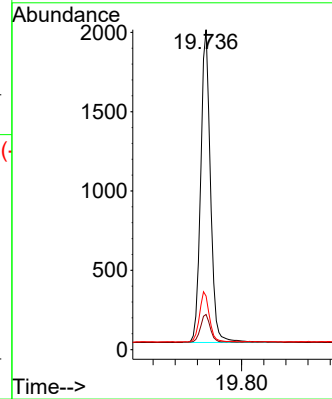
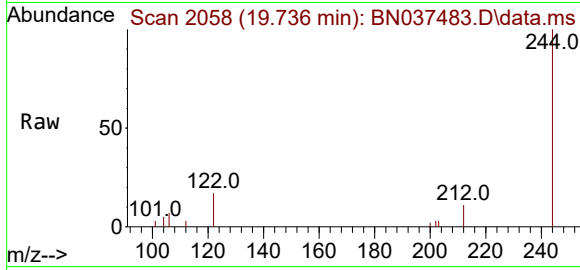




#31
Terphenyl-d14
Concen: 0.409 ng
RT: 19.736 min Scan# 2058
Delta R.T. -0.005 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

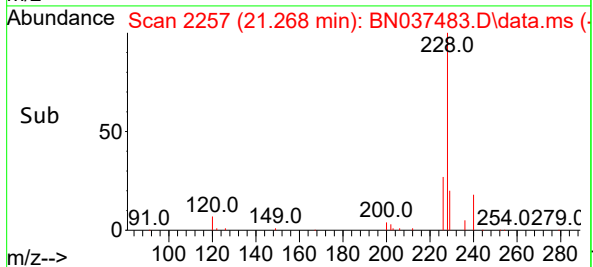
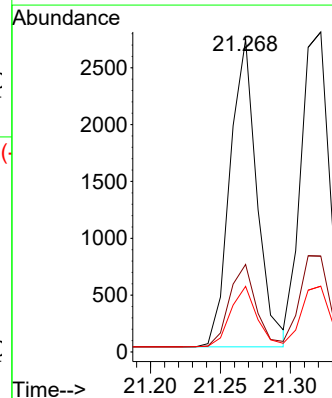
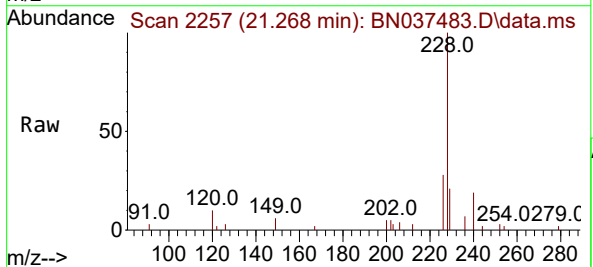
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

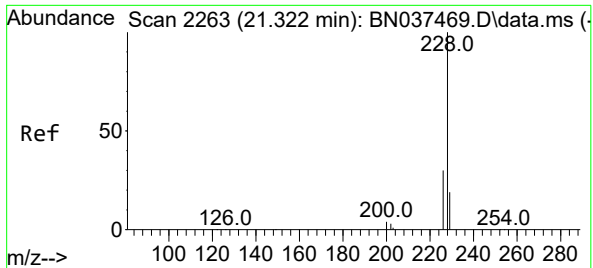
Tgt Ion:244 Resp: 2420
Ion Ratio Lower Upper
244 100
212 11.0 8.7 13.1
122 16.7 14.1 21.1



#32
Benzo(a)anthracene
Concen: 0.378 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

Tgt Ion:228 Resp: 3631
Ion Ratio Lower Upper
228 100
226 28.0 22.7 34.1
229 21.0 16.6 24.8





#33

Chrysene

Concen: 0.399 ng

RT: 21.322 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

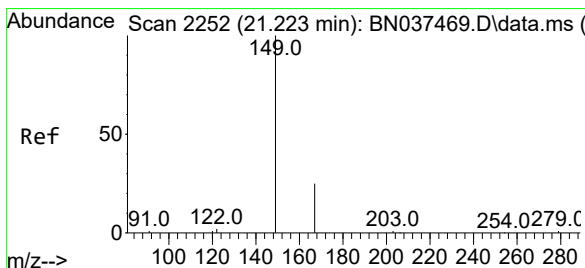
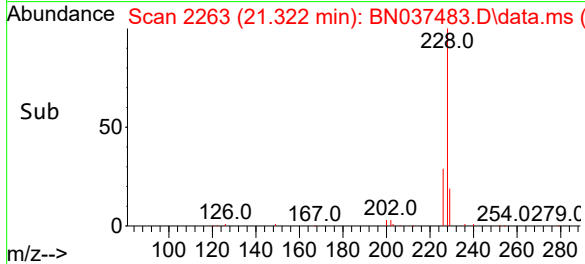
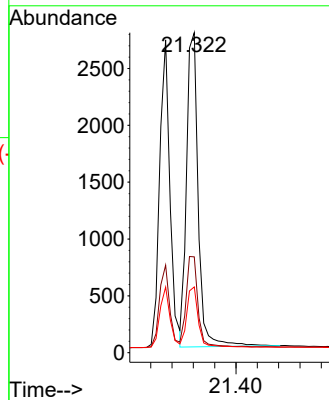
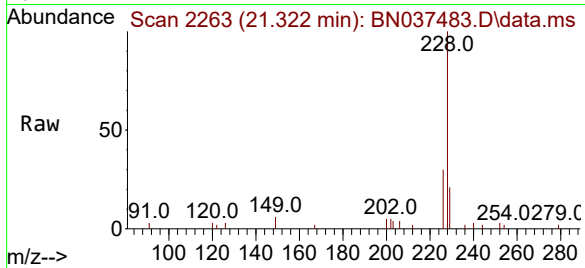
Tgt Ion:228 Resp: 4194

Ion Ratio Lower Upper

228 100

226 30.0 24.6 36.8

229 20.6 16.4 24.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.395 ng

RT: 21.223 min Scan# 2252

Delta R.T. -0.000 min

Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

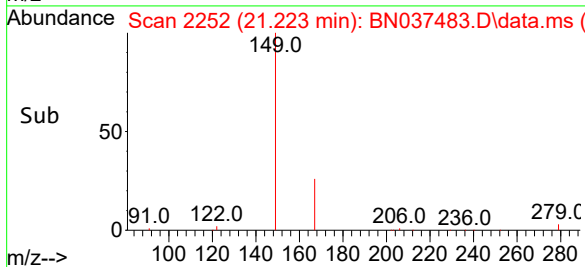
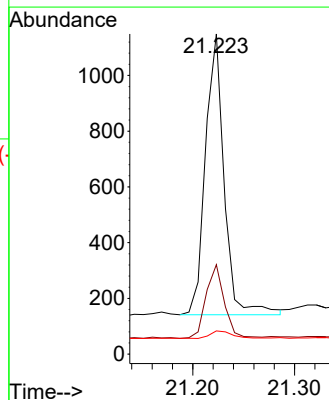
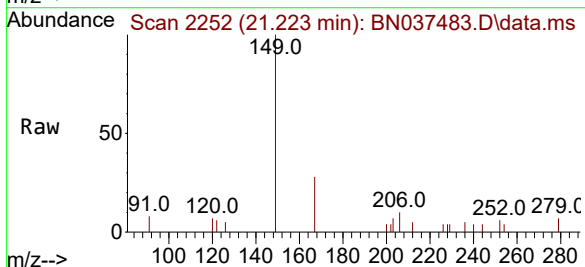
Tgt Ion:149 Resp: 1290

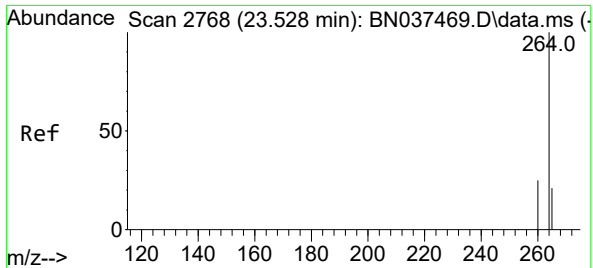
Ion Ratio Lower Upper

149 100

167 25.8 19.4 29.2

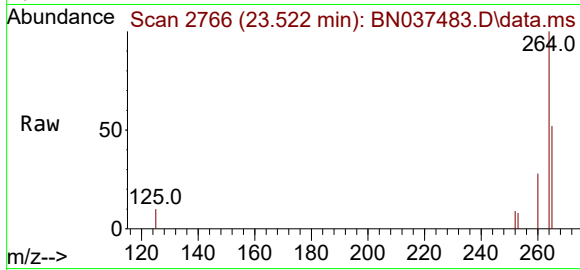
279 2.9 2.5 3.7



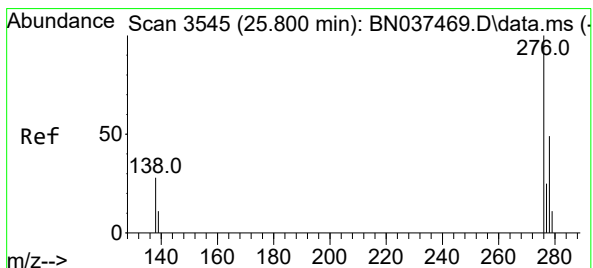
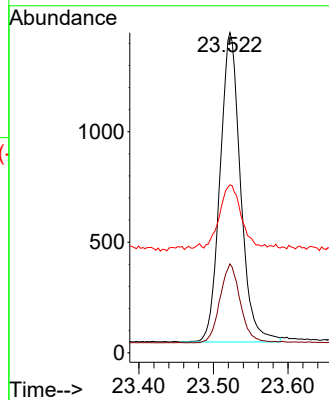
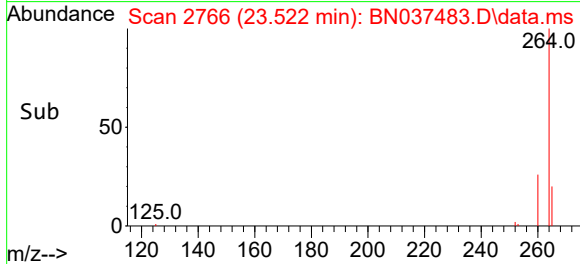


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

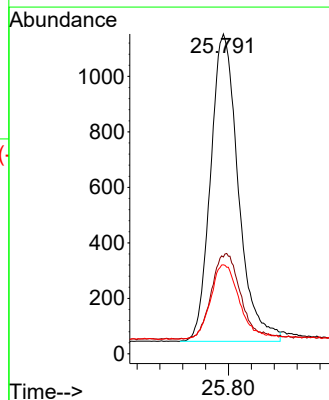
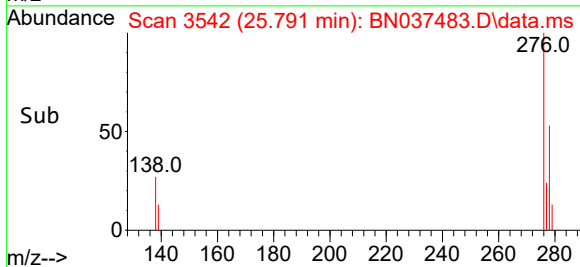
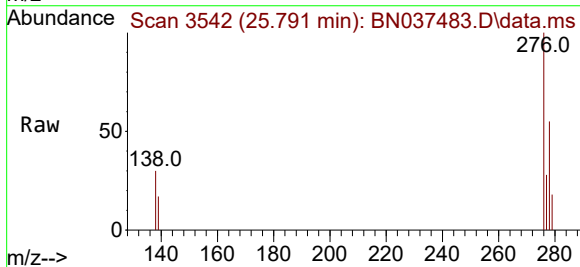


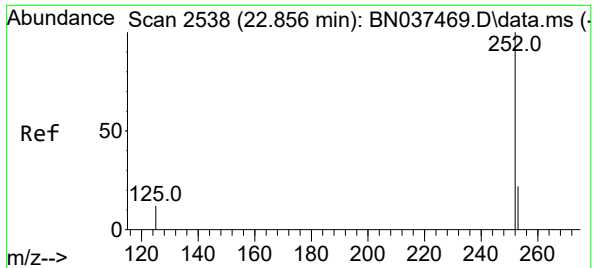
Tgt Ion:264 Resp: 2676
Ion Ratio Lower Upper
264 100
260 27.8 21.7 32.5
265 52.5 41.6 62.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.359 ng
RT: 25.791 min Scan# 3542
Delta R.T. -0.009 min
Lab File: BN037483.D
Acq: 14 Jul 2025 09:10

Tgt Ion:276 Resp: 3733
Ion Ratio Lower Upper
276 100
138 29.1 23.4 35.2
277 24.9 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 0.350 ng

RT: 22.850 min Scan# 2538

Delta R.T. -0.006 min

Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

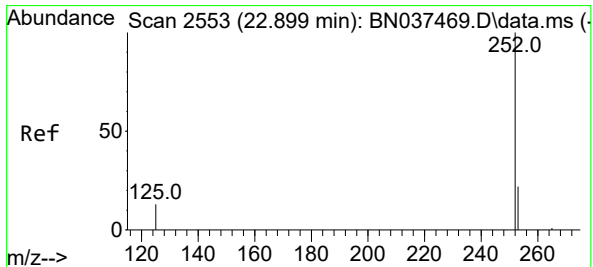
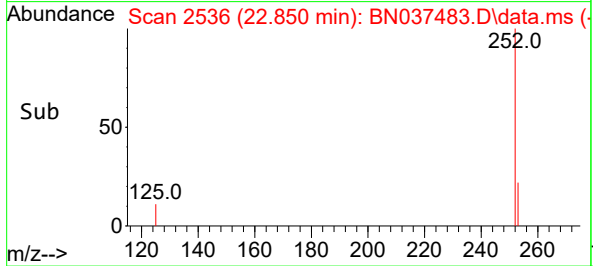
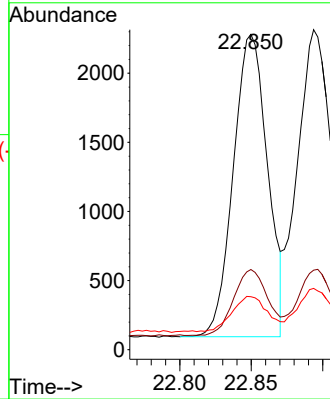
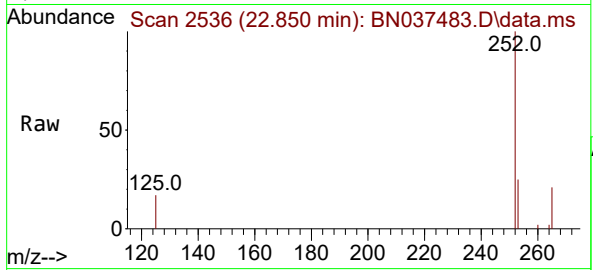
Tgt Ion:252 Resp: 3639

Ion Ratio Lower Upper

252 100

253 25.4 20.1 30.1

125 16.8 13.7 20.5



#38

Benzo(k)fluoranthene

Concen: 0.368 ng

RT: 22.894 min Scan# 2551

Delta R.T. -0.006 min

Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

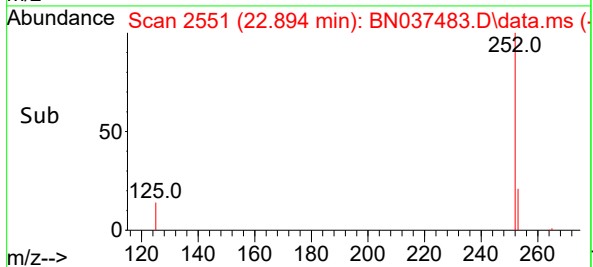
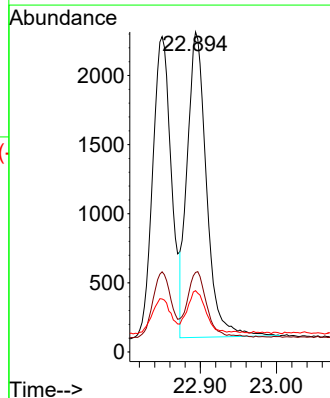
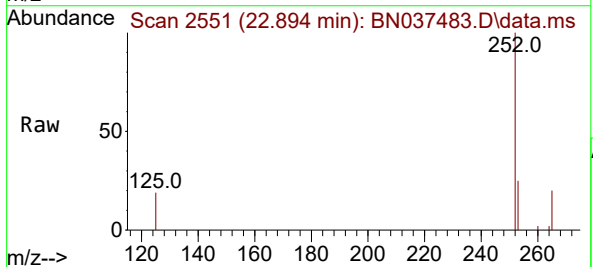
Tgt Ion:252 Resp: 3882

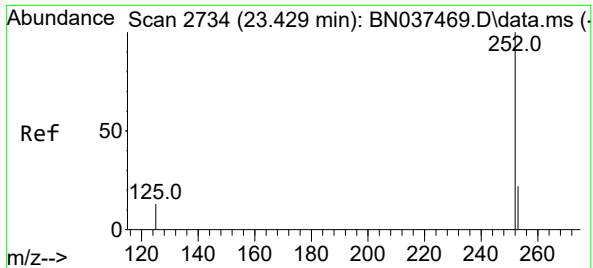
Ion Ratio Lower Upper

252 100

253 24.9 20.4 30.6

125 19.2 14.6 21.8





#39

Benzo(a)pyrene

Concen: 0.377 ng

RT: 23.426 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037483.D

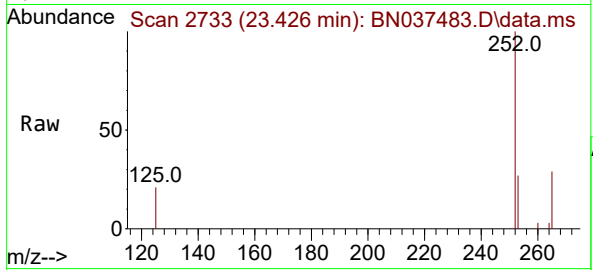
Acq: 14 Jul 2025 09:10

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



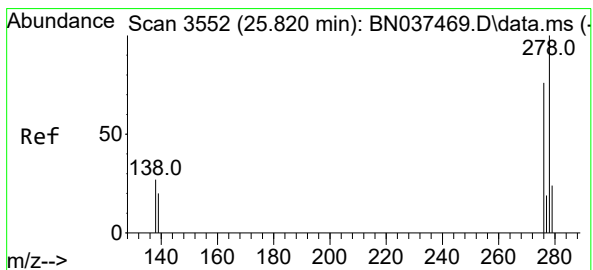
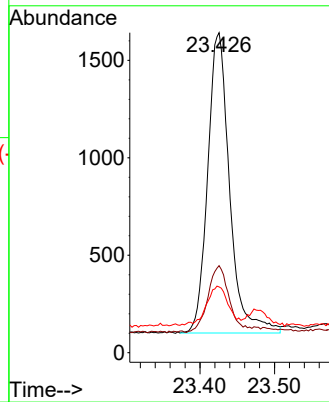
Tgt Ion:252 Resp: 3154

Ion Ratio Lower Upper

252 100

253 27.2 21.8 32.6

125 20.6 16.7 25.1



#40

Dibenzo(a,h)anthracene

Concen: 0.346 ng

RT: 25.808 min Scan# 3548

Delta R.T. -0.012 min

Lab File: BN037483.D

Acq: 14 Jul 2025 09:10

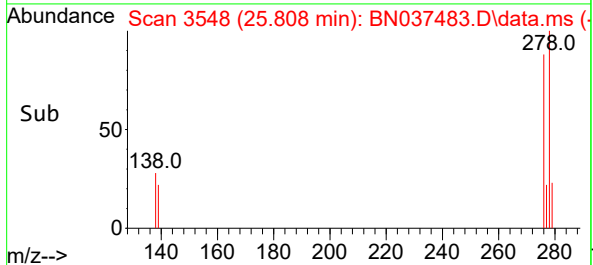
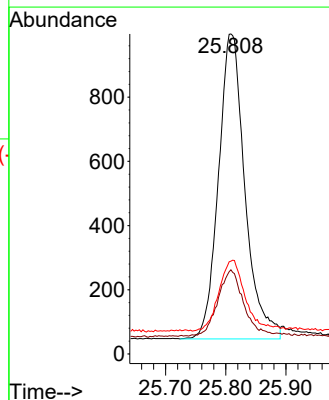
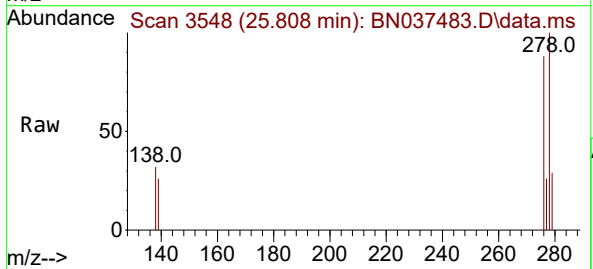
Tgt Ion:278 Resp: 2896

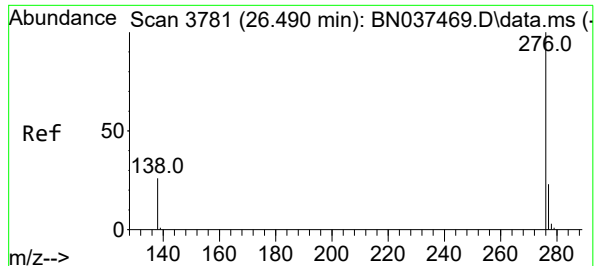
Ion Ratio Lower Upper

278 100

139 26.3 19.9 29.9

279 29.0 24.8 37.2





#41

Benzo(g,h,i)perylene

Concen: 0.361 ng

RT: 26.478 min Scan# 31

Delta R.T. -0.012 min

Lab File: BN037483.D

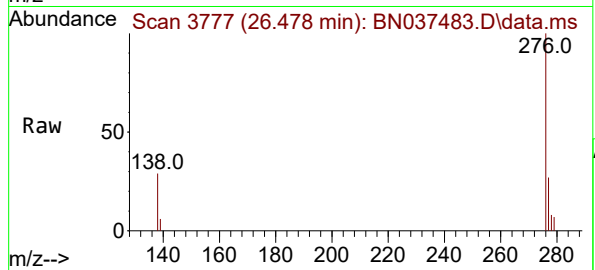
Acq: 14 Jul 2025 09:10

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



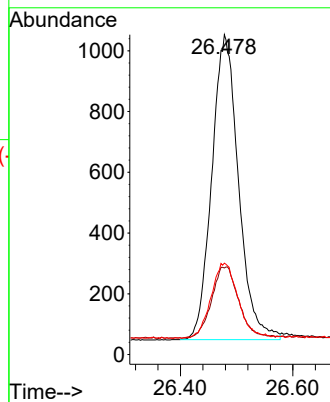
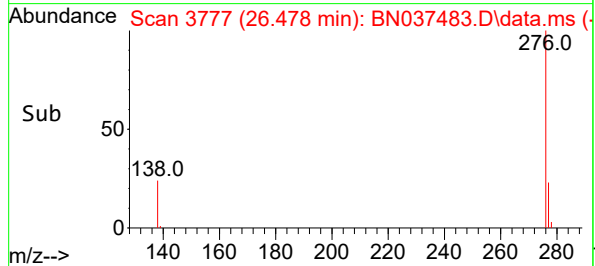
Tgt Ion:276 Resp: 3310

Ion Ratio Lower Upper

276 100

277 27.1 21.7 32.5

138 28.6 24.3 36.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
 Data File : BN037483.D
 Acq On : 14 Jul 2025 09:10
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Jul 14 10:55:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:38:34 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	110	0.00
2	1,4-Dioxane	0.376	0.399	-6.1	114	0.00
3	n-Nitrosodimethylamine	0.502	0.514	-2.4	114	0.00
4 S	2-Fluorophenol	0.931	0.920	1.2	109	0.00
5 S	Phenol-d6	1.171	1.170	0.1	110	0.00
6	bis(2-Chloroethyl)ether	0.980	0.984	-0.4	112	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	112	0.00
8 S	Nitrobenzene-d5	0.290	0.263	9.3	107	0.00
9	Naphthalene	1.075	1.054	2.0	112	0.00
10	Hexachlorobutadiene	0.258	0.248	3.9	108	0.00
11 SURR	2-Methylnaphthalene-d10	0.544	0.511	6.1	112	0.00
12	2-Methylnaphthalene	0.673	0.638	5.2	110	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	110	-0.01
14 S	2,4,6-Tribromophenol	0.136	0.112	17.6	101	0.00
15 S	2-Fluorobiphenyl	2.283	2.364	-3.5	112	0.00
16	Acenaphthylene	1.824	1.762	3.4	110	0.00
17	Acenaphthene	1.224	1.179	3.7	109	0.00
18	Fluorene	1.538	1.402	8.8	104	-0.01
19 I	Phenanthrene-d10	1.000	1.000	0.0	110	0.00
20	4,6-Dinitro-2-methylphenol	0.045	0.037	17.8	104	0.00
21	4-Bromophenyl-phenylether	0.250	0.224	10.4	104	0.00
22	Hexachlorobenzene	0.344	0.332	3.5	107	0.00
23	Atrazine	0.124	0.098	21.0	94	0.00
24	Pentachlorophenol	0.119	0.096	19.3	104	0.00
25	Phenanthrene	1.218	1.173	3.7	111	0.00
26	Anthracene	1.099	1.025	6.7	111	-0.01
27 SURR	Fluoranthene-d10	1.009	0.900	10.8	109	0.00
28	Fluoranthene	1.337	1.225	8.4	110	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	106	0.00
30	Pyrene	1.608	1.652	-2.7	110	0.00
31 S	Terphenyl-d14	0.835	0.853	-2.2	110	0.00
32	Benzo(a)anthracene	1.355	1.280	5.5	105	0.00
33	Chrysene	1.481	1.478	0.2	107	0.00
34	Bis(2-ethylhexyl)phthalate	0.461	0.455	1.3	107	0.00
35 I	Perylene-d12	1.000	1.000	0.0	108	0.00
36	Indeno(1,2,3-cd)pyrene	1.553	1.395	10.2	108	0.00
37	Benzo(b)fluoranthene	1.556	1.360	12.6	104	0.00
38	Benzo(k)fluoranthene	1.577	1.451	8.0	109	0.00
39 C	Benzo(a)pyrene	1.252	1.179	5.8	111	0.00
40	Dibenzo(a,h)anthracene	1.252	1.082	13.6	106	-0.01
41	Benzo(g,h,i)perylene	1.372	1.237	9.8	105	-0.01

(#) = 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\BN071425\
 Data File : BN037483.D
 Acq On : 14 Jul 2025 09:10
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Jul 14 10:55:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:38:34 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	110	0.00
2	1,4-Dioxane	0.400	0.425	-6.2	114	0.00
3	n-Nitrosodimethylamine	0.400	0.410	-2.5	114	0.00
4 S	2-Fluorophenol	0.400	0.395	1.3	109	0.00
5 S	Phenol-d6	0.400	0.399	0.3	110	0.00
6	bis(2-Chloroethyl)ether	0.400	0.402	-0.5	112	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	112	0.00
8 S	Nitrobenzene-d5	0.400	0.362	9.5	107	0.00
9	Naphthalene	0.400	0.392	2.0	112	0.00
10	Hexachlorobutadiene	0.400	0.384	4.0	108	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.376	6.0	112	0.00
12	2-Methylnaphthalene	0.400	0.379	5.3	110	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	110	-0.01
14 S	2,4,6-Tribromophenol	0.400	0.331	17.3	101	0.00
15 S	2-Fluorobiphenyl	0.400	0.414	-3.5	112	0.00
16	Acenaphthylene	0.400	0.386	3.5	110	0.00
17	Acenaphthene	0.400	0.385	3.8	109	0.00
18	Fluorene	0.400	0.365	8.8	104	-0.01
19 I	Phenanthrene-d10	0.400	0.400	0.0	110	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.328	18.0	104	0.00
21	4-Bromophenyl-phenylether	0.400	0.359	10.3	104	0.00
22	Hexachlorobenzene	0.400	0.385	3.8	107	0.00
23	Atrazine	0.400	0.317	20.8	94	0.00
24	Pentachlorophenol	0.400	0.323	19.3	104	0.00
25	Phenanthrene	0.400	0.385	3.8	111	0.00
26	Anthracene	0.400	0.373	6.8	111	-0.01
27 SURR	Fluoranthene-d10	0.400	0.357	10.8	109	0.00
28	Fluoranthene	0.400	0.367	8.3	110	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	106	0.00
30	Pyrene	0.400	0.411	-2.7	110	0.00
31 S	Terphenyl-d14	0.400	0.409	-2.2	110	0.00
32	Benzo(a)anthracene	0.400	0.378	5.5	105	0.00
33	Chrysene	0.400	0.399	0.3	107	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.395	1.3	107	0.00
35 I	Perylene-d12	0.400	0.400	0.0	108	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.359	10.3	108	0.00
37	Benzo(b)fluoranthene	0.400	0.350	12.5	104	0.00
38	Benzo(k)fluoranthene	0.400	0.368	8.0	109	0.00
39 C	Benzo(a)pyrene	0.400	0.377	5.8	111	0.00
40	Dibenzo(a,h)anthracene	0.400	0.346	13.5	106	-0.01
41	Benzo(g,h,i)perylene	0.400	0.361	9.8	105	-0.01

(#) = Out of Range

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

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



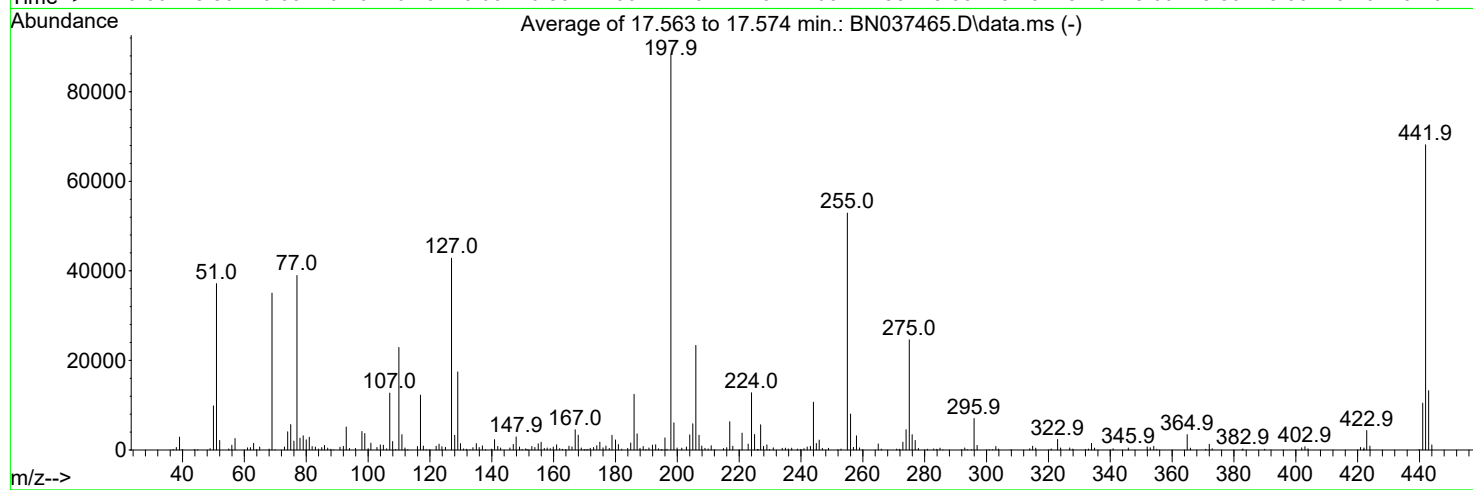
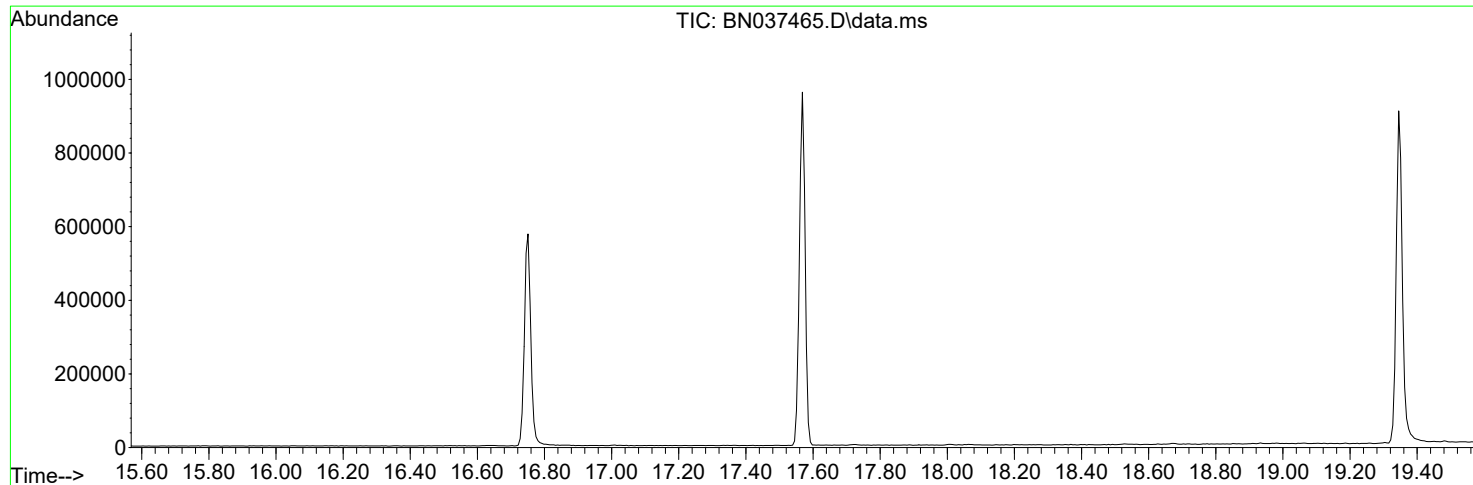
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
Data File : BN037465.D
Acq On : 11 Jul 2025 08:36
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-BN071125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jul 11 15:38:34 2025



AutoFind: Scans 2461, 2462, 2463; Background Corrected with Scan 2454

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.6	212	PASS
69	69	100	100	100.0	35043	PASS
70	69	0.00	2	0.3	88	PASS
197	198	0.00	2	0.2	180	PASS
198	198	100	100	100.0	88163	PASS
199	198	5	9	6.9	6064	PASS
365	198	1	100	3.9	3416	PASS
441	443	0.01	150	78.9	10453	PASS
442	442	100	100	100.0	68157	PASS
443	442	15	24	19.4	13251	PASS

DDT Breakdown

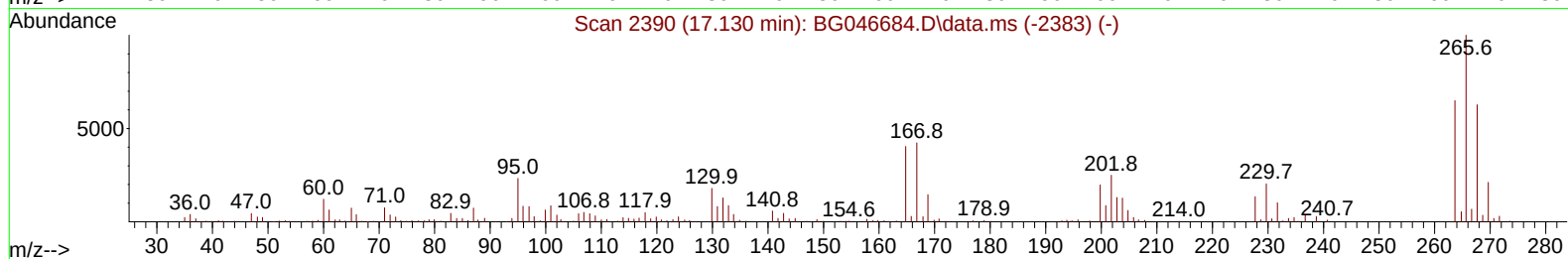
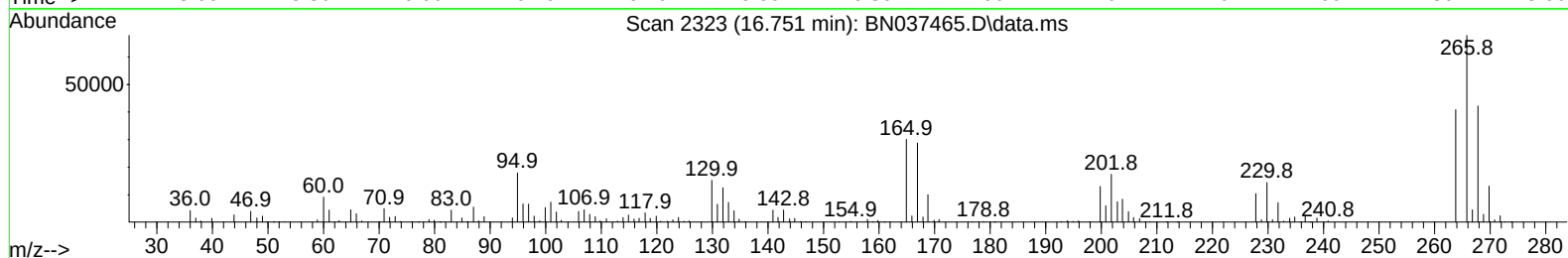
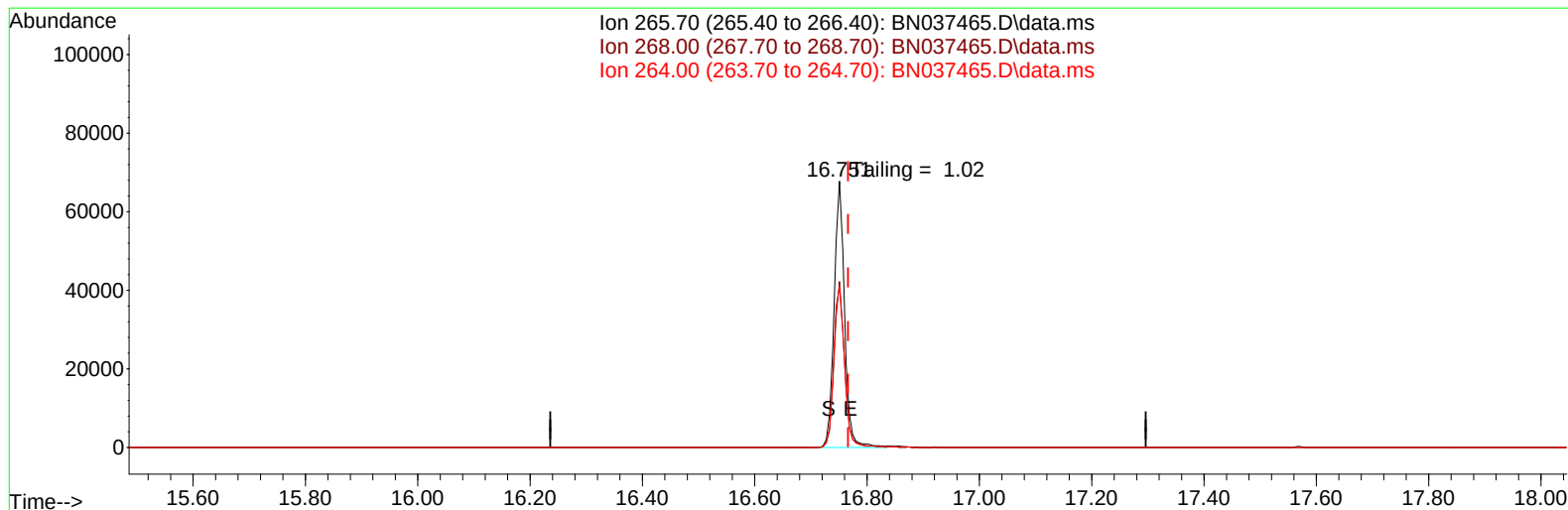
Date	Instrument Name	DFTPP Data File
7/11/2025	BNA_N	<u>BN037465.D</u>
Compound Name	Response	Retention Time
DDT	193083	20.598
DDD	2276	20.21
DDE	169	19.645
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
2445	195528	1.25

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
Data File : BN037465.D
Acq On : 11 Jul 2025 08:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jul 11 16:46:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 10 02:20:59 2025
Response via : Initial Calibration



TIC: BN037465.D\data.ms

(70) Pentachlorophenol (C)

16.751min (-0.015) 19733.94 ng

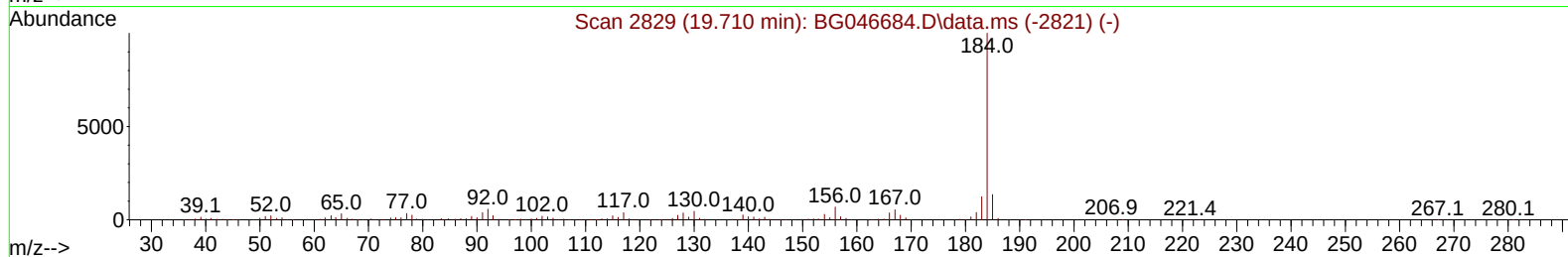
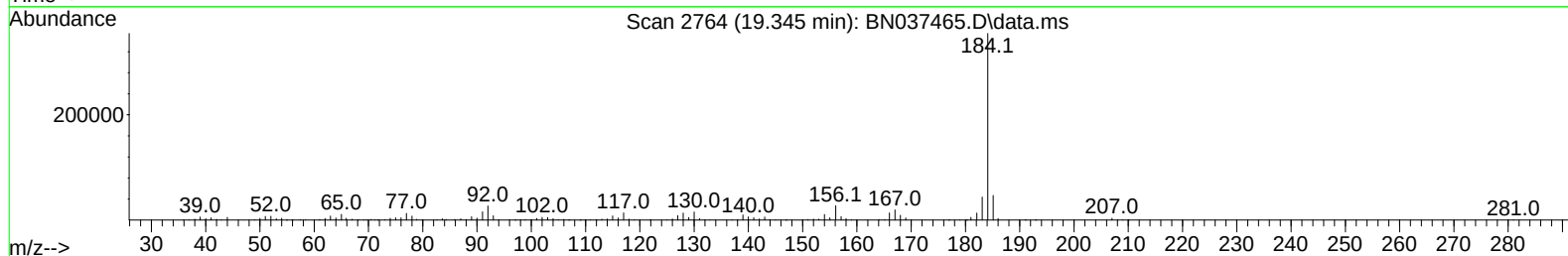
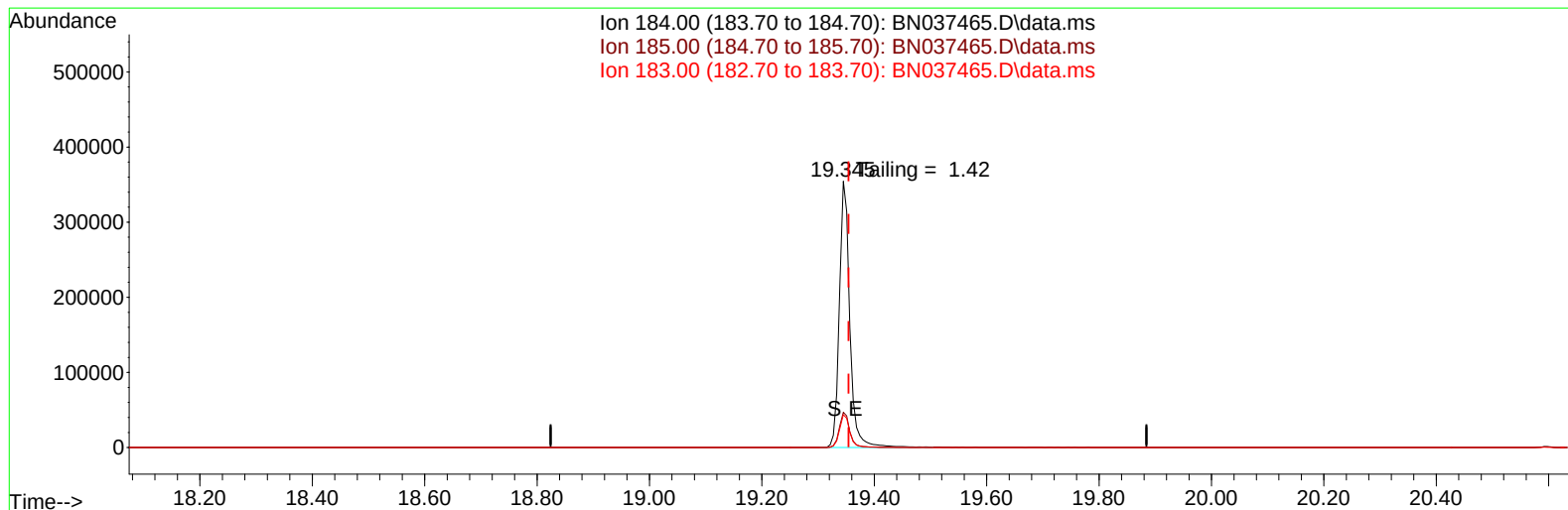
response 87345

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	62.30
264.00	61.60	60.32
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
Data File : BN037465.D
Acq On : 11 Jul 2025 08:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jul 11 16:46:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 10 02:20:59 2025
Response via : Initial Calibration



TIC: BN037465.D\data.ms

(77) Benzidine

19.345min (-0.009) 0.00 ng

response 460569

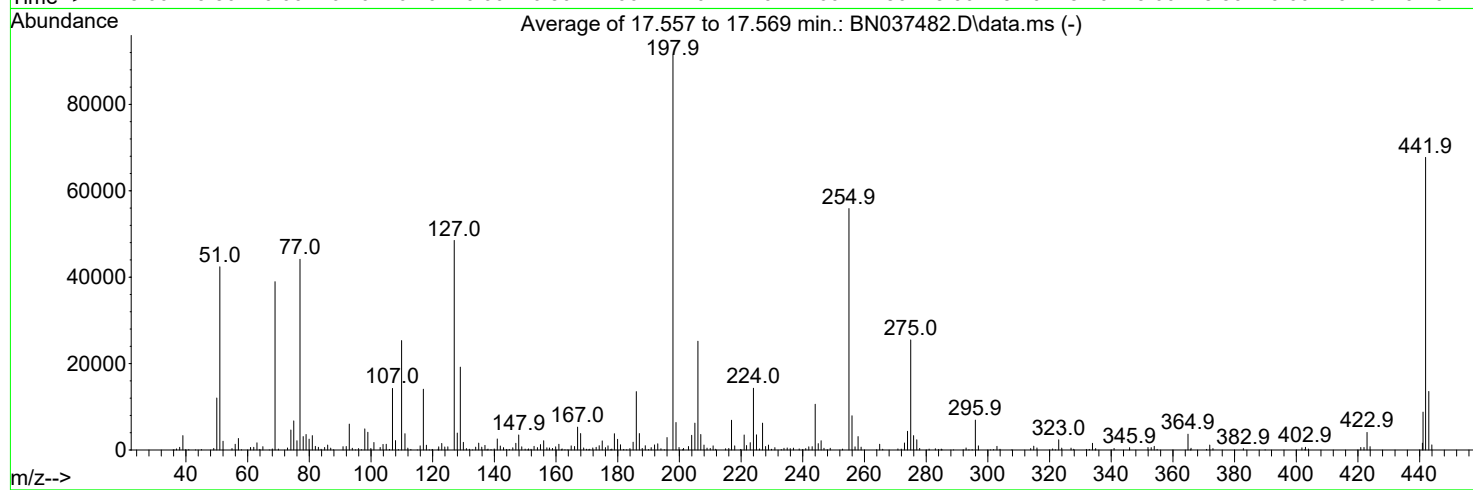
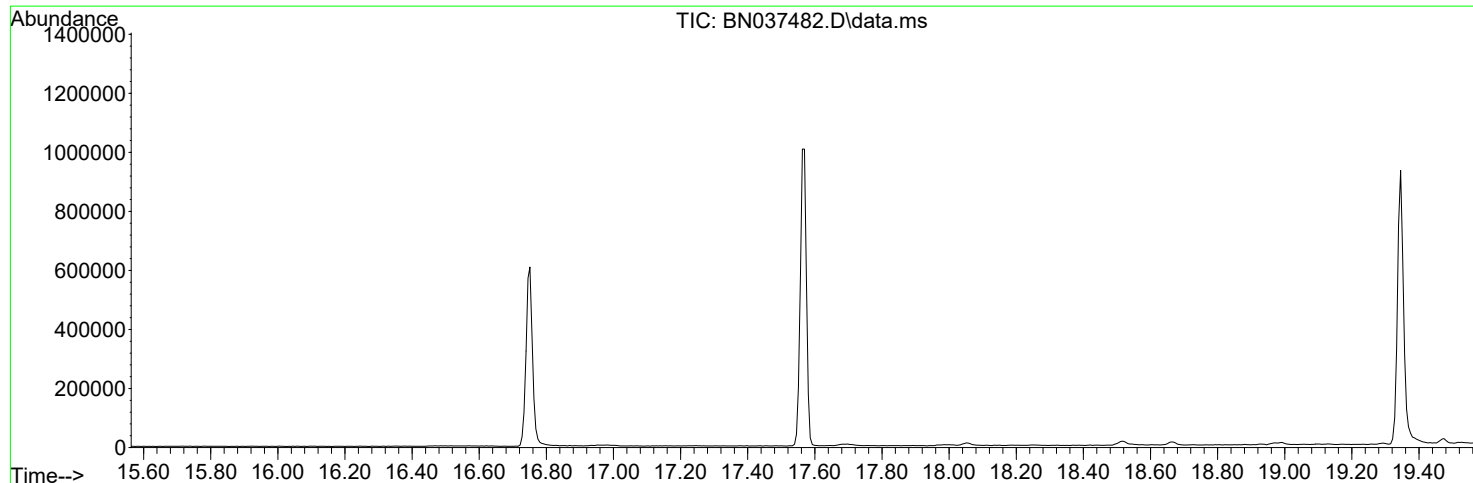
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	13.26
183.00	13.20	12.35
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
Data File : BN037482.D
Acq On : 14 Jul 2025 08:31
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-BN071125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jul 11 15:38:34 2025



AutoFind: Scans 2460, 2461, 2462; Background Corrected with Scan 2454

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	0.7	271	PASS
69	69	100	100	100.0	38979	PASS
70	69	0.00	2	0.6	223	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	91384	PASS
199	198	5	9	7.0	6375	PASS
365	198	1	100	4.0	3663	PASS
441	443	0.01	150	64.7	8781	PASS
442	442	100	100	100.0	67717	PASS
443	442	15	24	20.0	13573	PASS

DDT Breakdown

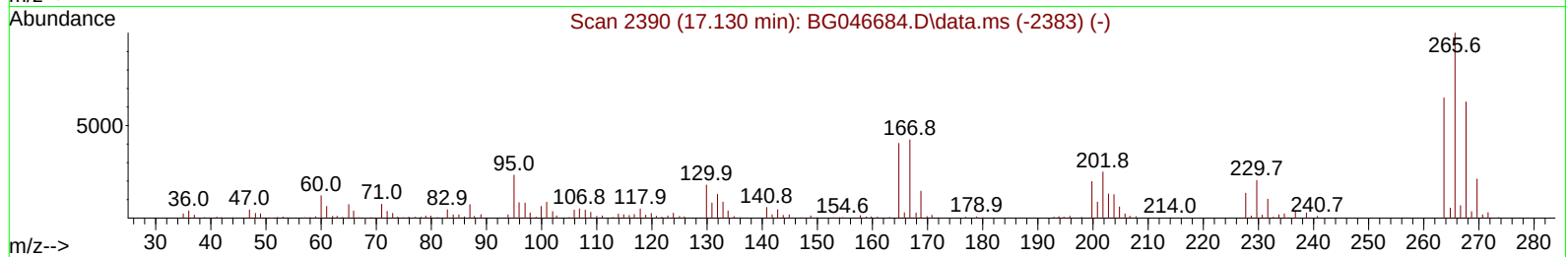
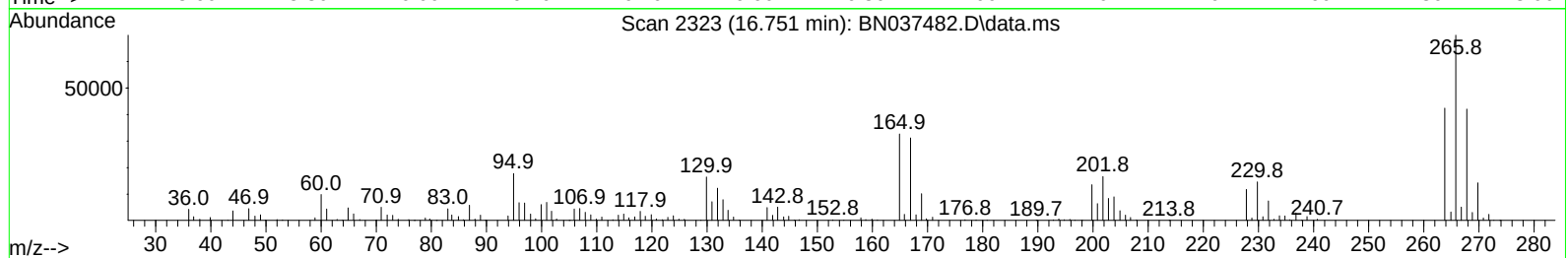
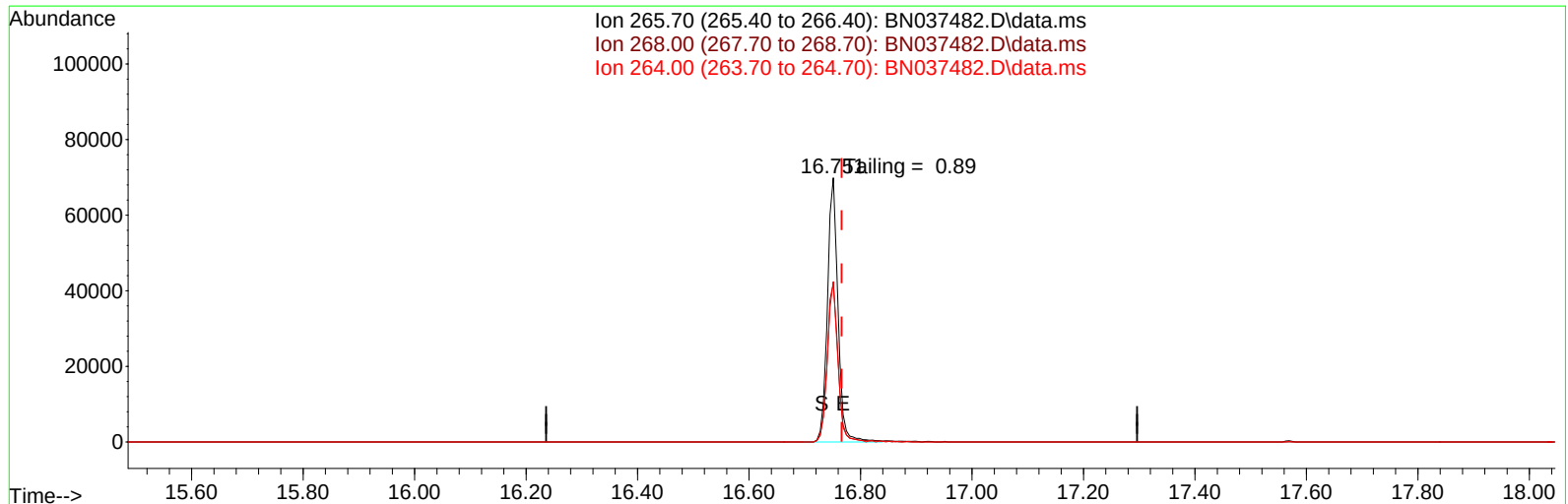
Date	Instrument Name	DFTPP Data File
7/14/2025	BNA_N	<u>BN037482.D</u>
Compound Name	Response	Retention Time
DDT	217524	20.592
DDD	2566	20.204
DDE	509	19.645
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
3075	220599	1.39

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
Data File : BN037482.D
Acq On : 14 Jul 2025 08:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jul 14 15:18:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 10 02:20:59 2025
Response via : Initial Calibration



TIC: BN037482.D\data.ms

(70) Pentachlorophenol (C)

16.751min (-0.015) 23296.92 ng

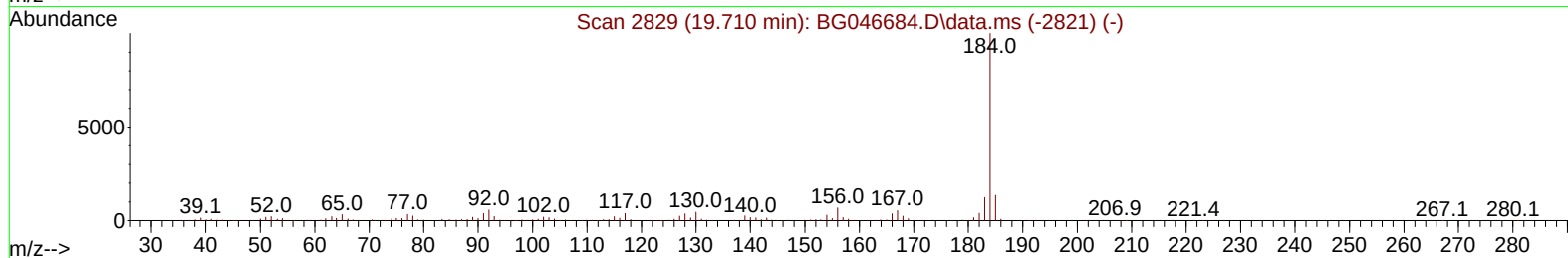
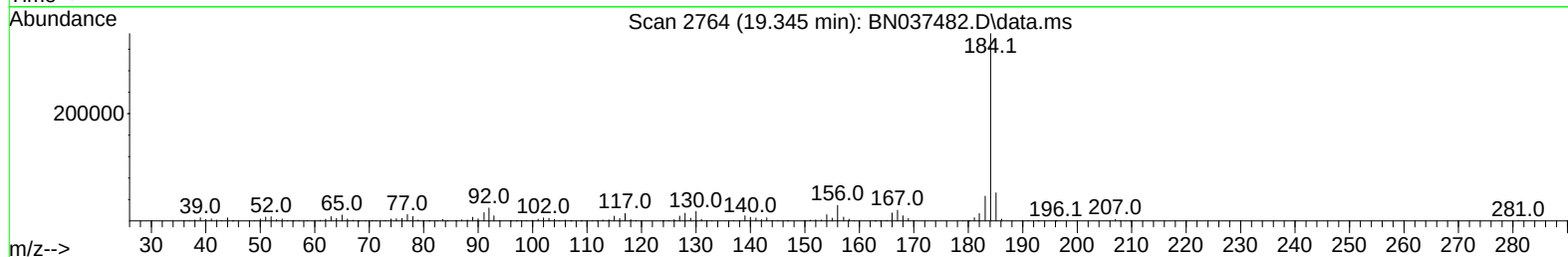
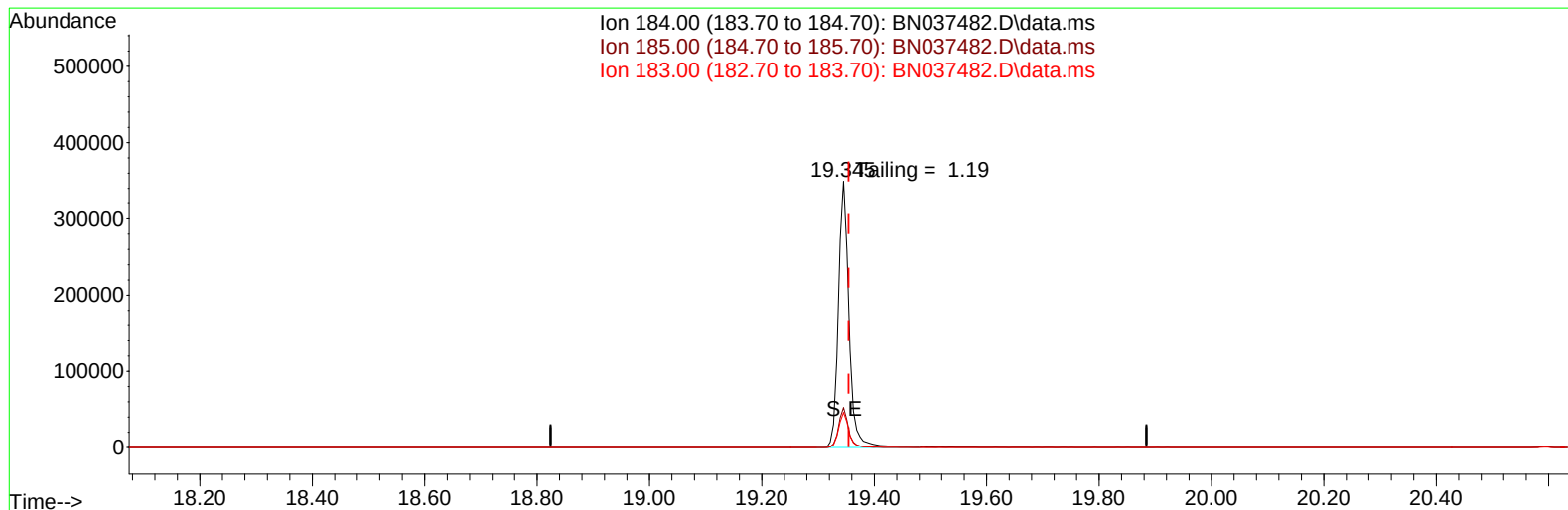
response 91597

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	60.19
264.00	61.60	60.71
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
Data File : BN037482.D
Acq On : 14 Jul 2025 08:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jul 14 15:18:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 10 02:20:59 2025
Response via : Initial Calibration



TIC: BN037482.D\data.ms

(77) Benzidine

19.345min (-0.009) 0.00 ng

response 459420

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	15.04
183.00	13.20	13.23
0.00	0.00	0.00

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB168831BL	SDG No.:	Q2580
Lab Sample ID:	PB168831BL	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037495.D	1	07/14/25 09:20	07/14/25 17:24	PB168831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.0012	U	0.0012	0.0033	mg/Kg
91-57-6	2-Methylnaphthalene	0.0012	U	0.0012	0.0033	mg/Kg
208-96-8	Acenaphthylene	0.0011	U	0.0011	0.0033	mg/Kg
83-32-9	Acenaphthene	0.0011	U	0.0011	0.0033	mg/Kg
86-73-7	Fluorene	0.0011	U	0.0011	0.0033	mg/Kg
85-01-8	Phenanthrene	0.0012	U	0.0012	0.0033	mg/Kg
120-12-7	Anthracene	0.0012	U	0.0012	0.0033	mg/Kg
206-44-0	Fluoranthene	0.0012	U	0.0012	0.0033	mg/Kg
129-00-0	Pyrene	0.0011	U	0.0011	0.0033	mg/Kg
56-55-3	Benzo(a)anthracene	0.0013	U	0.0013	0.0033	mg/Kg
218-01-9	Chrysene	0.0014	U	0.0014	0.0033	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.0016	U	0.0016	0.0033	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.0018	U	0.0018	0.0033	mg/Kg
50-32-8	Benzo(a)pyrene	0.0014	U	0.0014	0.0033	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.0018	U	0.0018	0.0033	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.0018	U	0.0018	0.0033	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.0017	U	0.0017	0.0033	mg/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.37		30 (17) - 150 (161)	91%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (23) - 150 (138)	84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.40		30 (33) - 130 (121)	99%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		30 (32) - 130 (121)	99%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (21) - 130 (130)	92%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2220	7.731			
1146-65-2	Naphthalene-d8	5460	10.509			
15067-26-2	Acenaphthene-d10	2500	14.355			
1517-22-2	Phenanthrene-d10	4180	17.099			
1719-03-5	Chrysene-d12	3230	21.286			

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB168831BL	SDG No.:	Q2580
Lab Sample ID:	PB168831BL	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037495.D	1	07/14/25 09:20	07/14/25 17:24	PB168831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	3740	23.522			

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\BN071425\
Data File : BN037495.D
Acq On : 14 Jul 2025 17:24
Operator : RC/JU
Sample : PB168831BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168831BL

Quant Time: Jul 14 17:48:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:38:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.731	152	2220	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	5460	0.400	ng	# 0.00
13) Acenaphthene-d10	14.355	164	2504	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	4180	0.400	ng	0.00
29) Chrysene-d12	21.286	240	3227	0.400	ng	# 0.00
35) Perylene-d12	23.522	264	3743	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	2036	0.394	ng	0.00
5) Phenol-d6	6.886	99	2400	0.369	ng	0.00
8) Nitrobenzene-d5	8.864	82	1573	0.397	ng	0.00
11) 2-Methylnaphthalene-d10	12.101	152	2708	0.365	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	292	0.344	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	5652	0.395	ng	0.00
27) Fluoranthene-d10	19.132	212	3555	0.337	ng	0.00
31) Terphenyl-d14	19.736	244	2473	0.367	ng	0.00

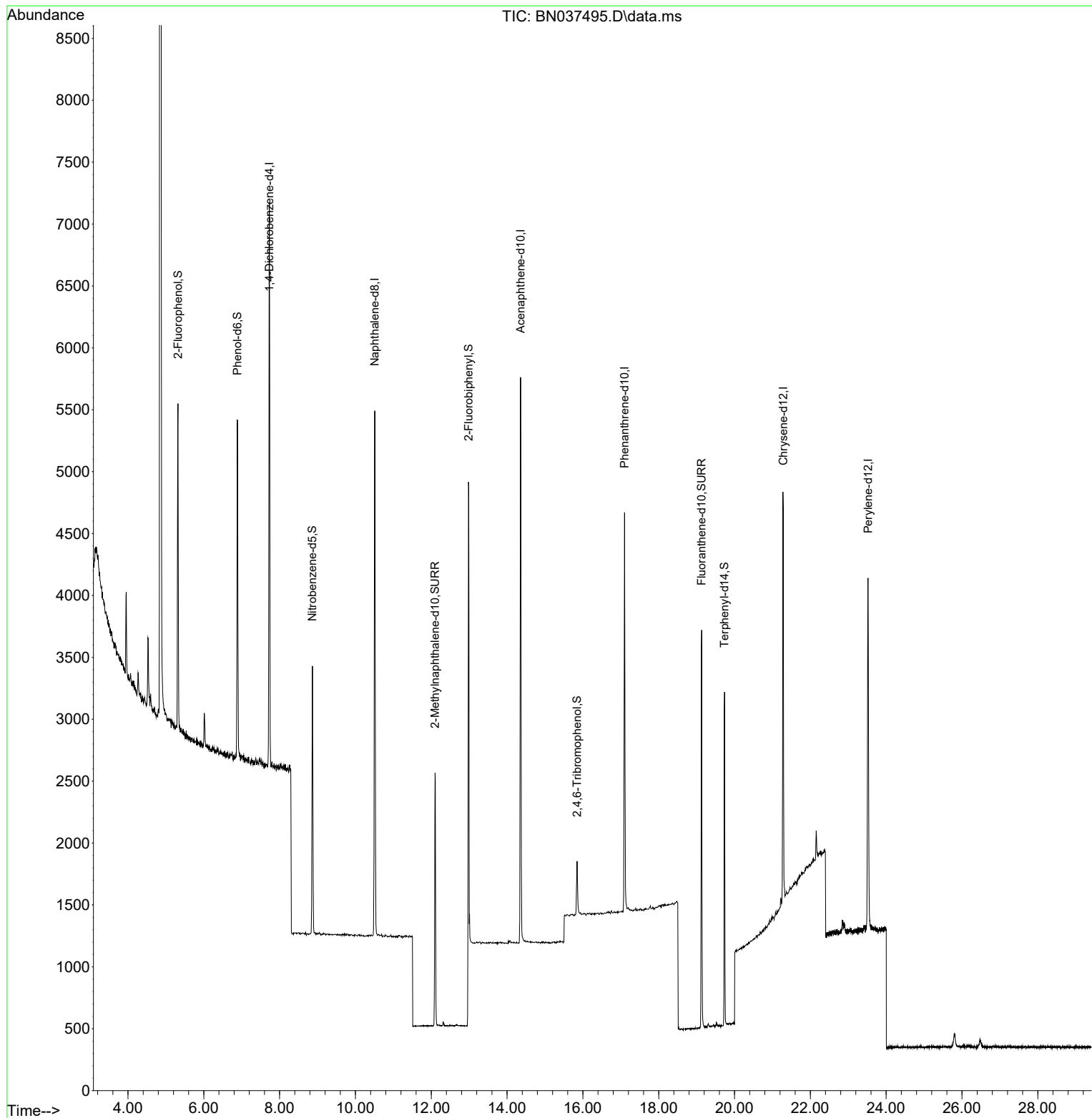
Target Compounds	Qvalue

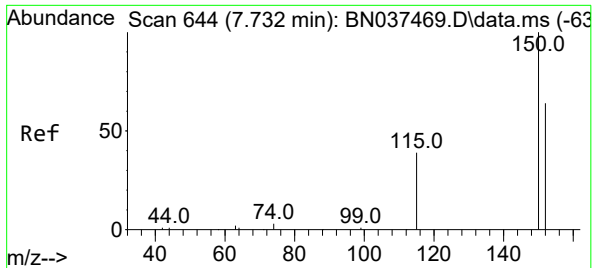
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
Data File : BN037495.D
Acq On : 14 Jul 2025 17:24
Operator : RC/JU
Sample : PB168831BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168831BL

Quant Time: Jul 14 17:48:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:38:34 2025
Response via : Initial Calibration

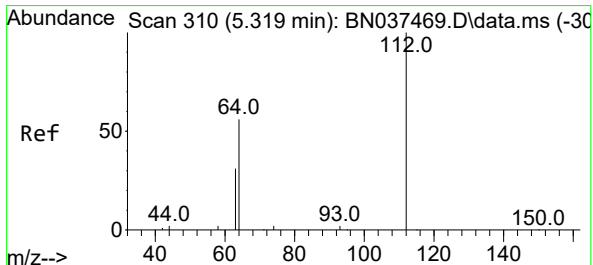
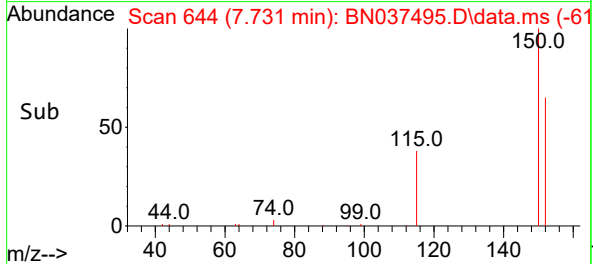
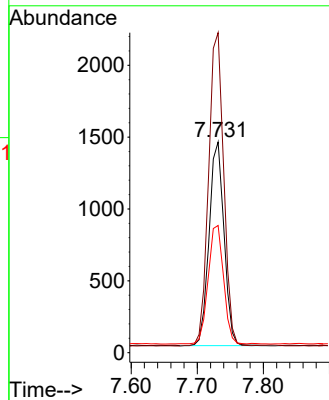
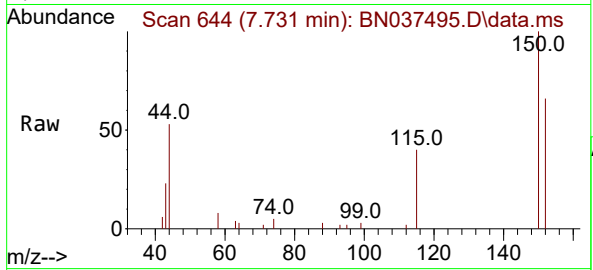




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.731 min Scan# 64
Delta R.T. -0.001 min
Lab File: BN037495.D
Acq: 14 Jul 2025 17:24

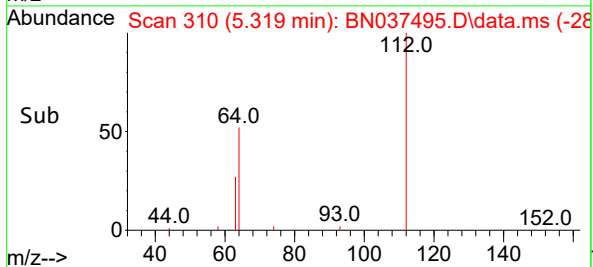
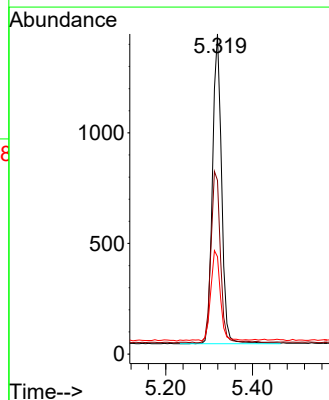
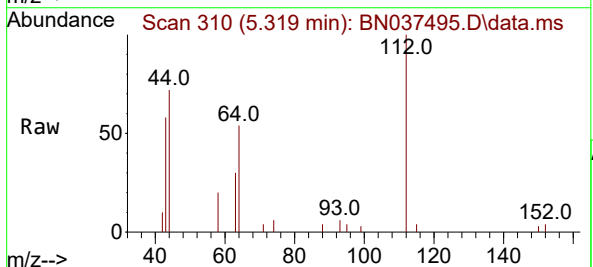
Instrument :
BNA_N
ClientSampleId :
PB168831BL

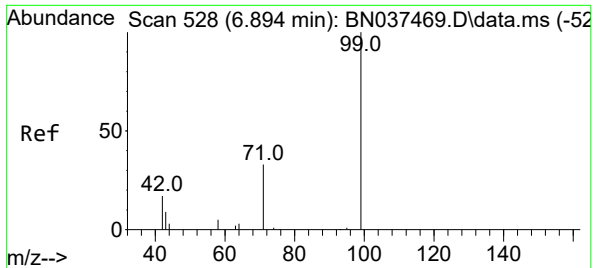
Tgt Ion:152 Resp: 2220
Ion Ratio Lower Upper
152 100
150 151.8 122.5 183.7
115 60.3 49.9 74.9



#4
2-Fluorophenol
Concen: 0.394 ng
RT: 5.319 min Scan# 310
Delta R.T. -0.000 min
Lab File: BN037495.D
Acq: 14 Jul 2025 17:24

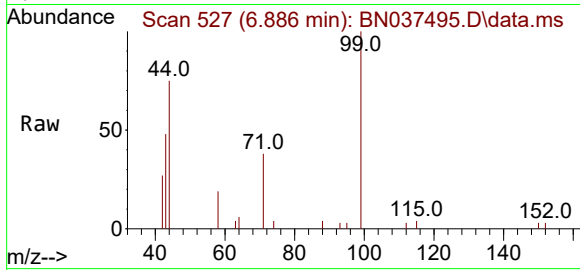
Tgt Ion:112 Resp: 2036
Ion Ratio Lower Upper
112 100
64 57.3 45.4 68.0
63 29.5 24.7 37.1



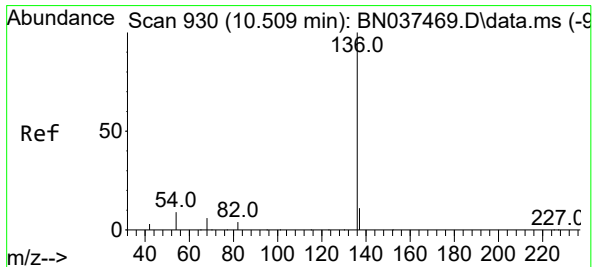
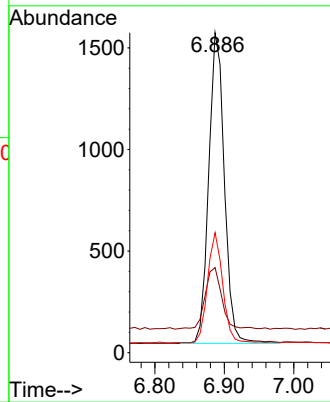
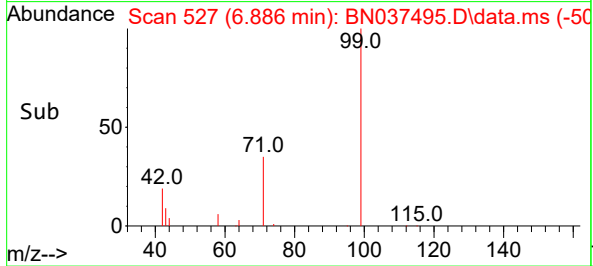


#5
Phenol-d6
Concen: 0.369 ng
RT: 6.886 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037495.D
Acq: 14 Jul 2025 17:24

Instrument :
BNA_N
ClientSampleId :
PB168831BL

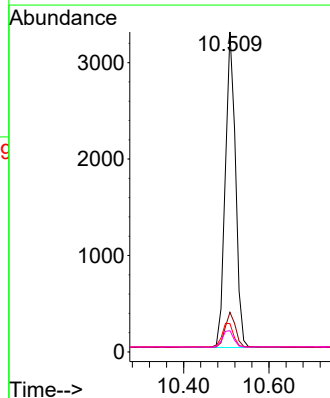
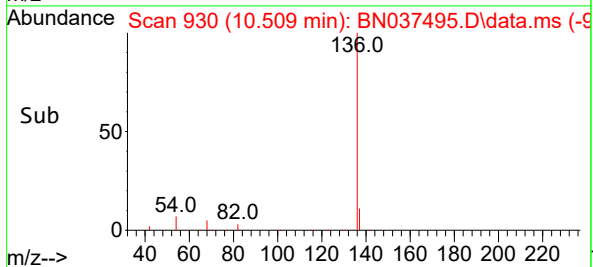
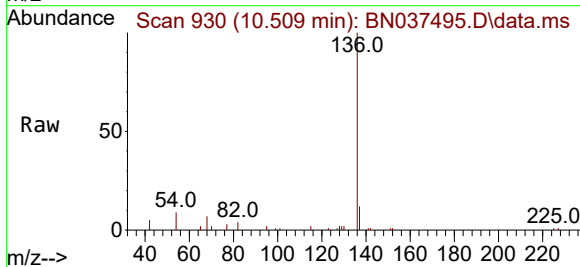


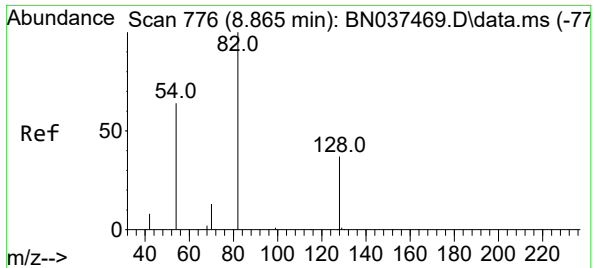
Tgt Ion: 99 Resp: 2400
Ion Ratio Lower Upper
99 100
42 21.2 19.5 29.3
71 34.8 29.4 44.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN037495.D
Acq: 14 Jul 2025 17:24

Tgt Ion: 136 Resp: 5460
Ion Ratio Lower Upper
136 100
137 12.4 10.0 15.0
54 8.8 9.0 13.6#
68 6.6 6.1 9.1

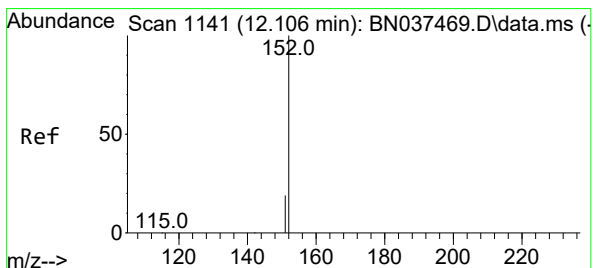
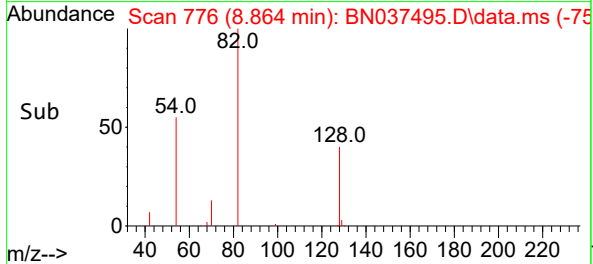
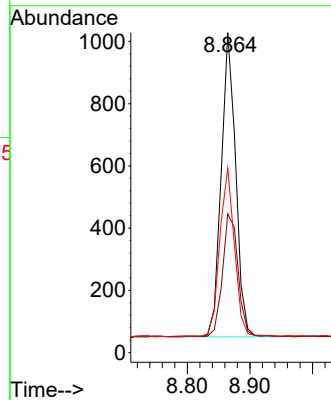
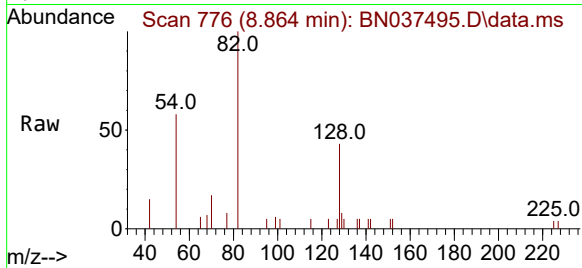




#8
Nitrobenzene-d5
Concen: 0.397 ng
RT: 8.864 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN037495.D
Acq: 14 Jul 2025 17:24

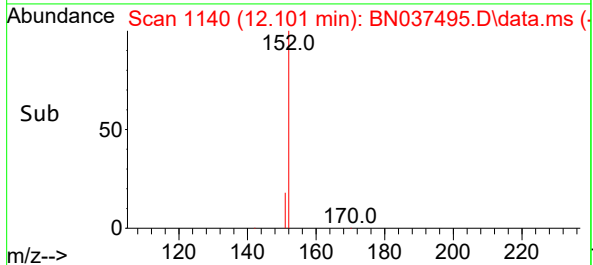
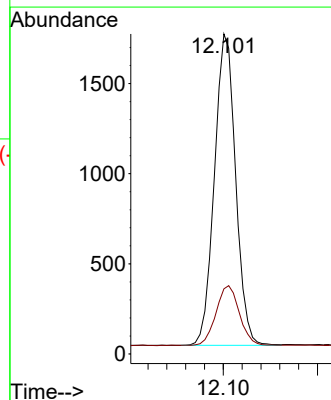
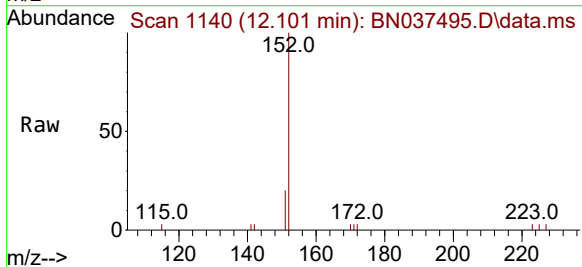
Instrument :
BNA_N
ClientSampleId :
PB168831BL

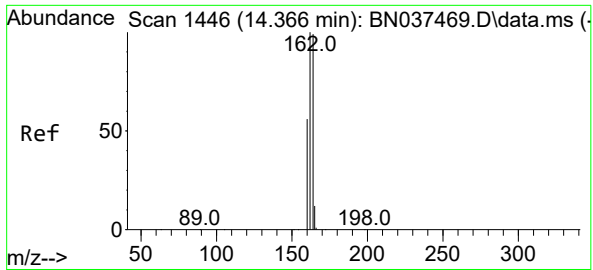
Tgt Ion:	82	Resp:	1573
Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.1	49.7
54	57.7	53.0	79.4



#11
2-Methylnaphthalene-d10
Concen: 0.365 ng
RT: 12.101 min Scan# 1140
Delta R.T. -0.005 min
Lab File: BN037495.D
Acq: 14 Jul 2025 17:24

Tgt Ion:	152	Resp:	2708
Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.0	25.6

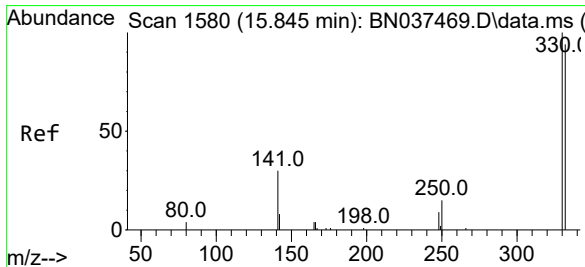
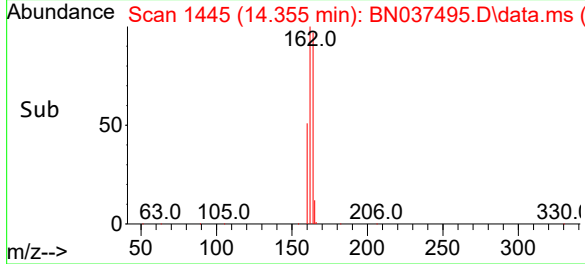
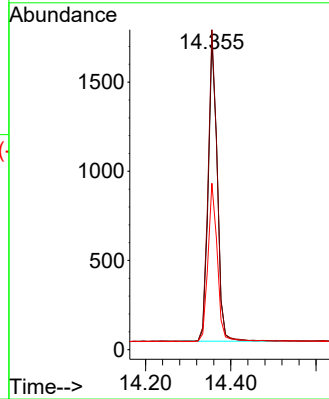
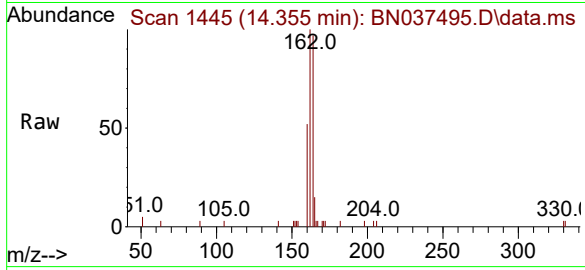




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.355 min Scan# 1446
Delta R.T. -0.011 min
Lab File: BN037495.D
Acq: 14 Jul 2025 17:24

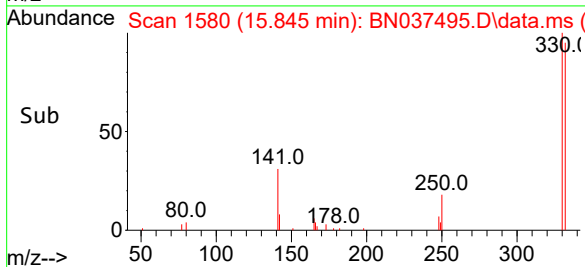
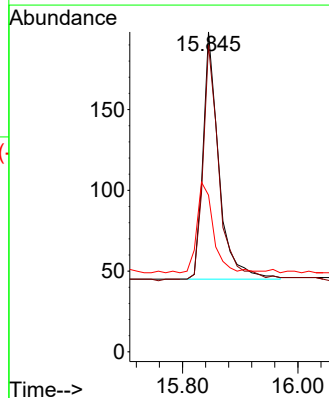
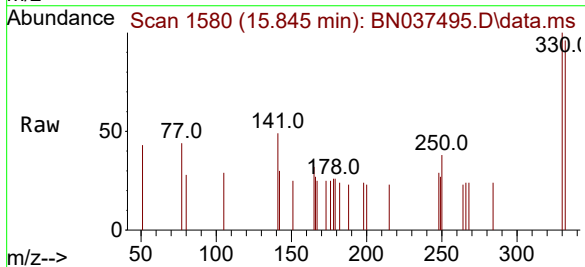
Instrument :
BNA_N
ClientSampleId :
PB168831BL

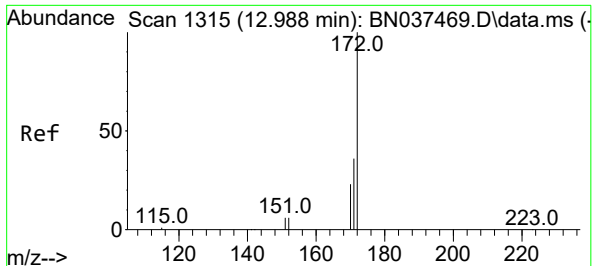
Tgt Ion:164 Resp: 2504
Ion Ratio Lower Upper
164 100
162 103.3 81.1 121.7
160 53.7 46.5 69.7



#14
2,4,6-Tribromophenol
Concen: 0.344 ng
RT: 15.845 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BN037495.D
Acq: 14 Jul 2025 17:24

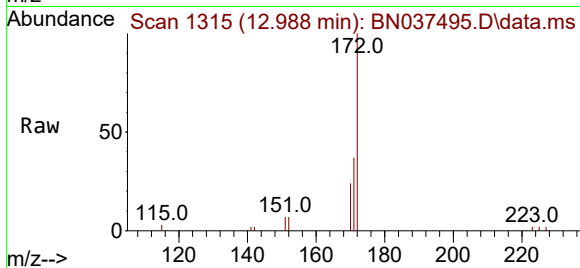
Tgt Ion:330 Resp: 292
Ion Ratio Lower Upper
330 100
332 99.3 82.0 123.0
141 38.4 36.2 54.2



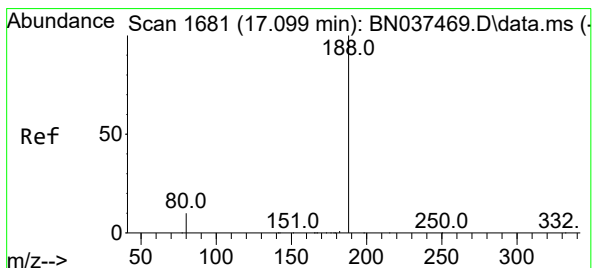
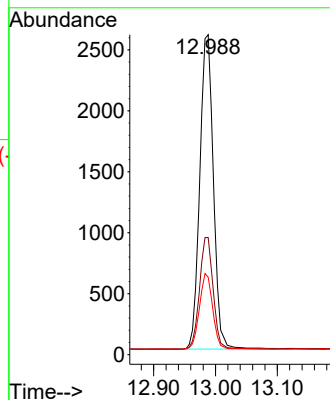
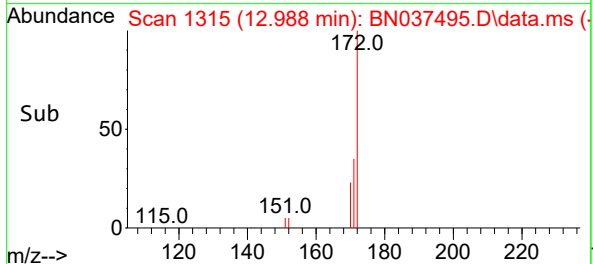


#15
2-Fluorobiphenyl
Concen: 0.395 ng
RT: 12.988 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BN037495.D
Acq: 14 Jul 2025 17:24

Instrument :
BNA_N
ClientSampleId :
PB168831BL

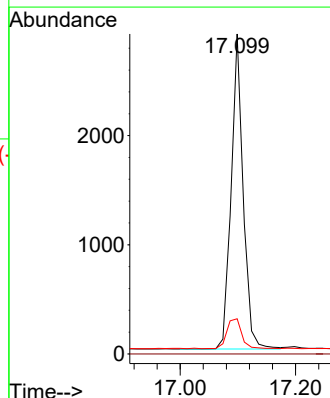
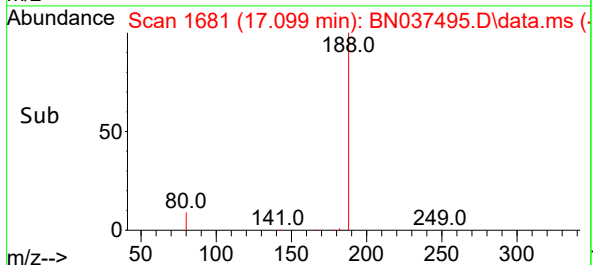
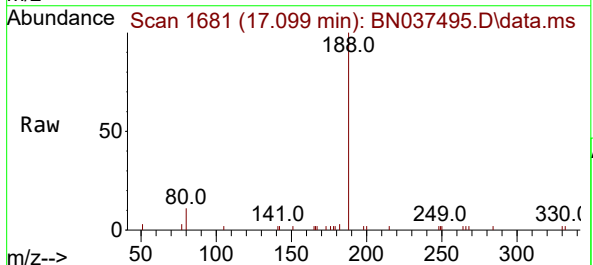


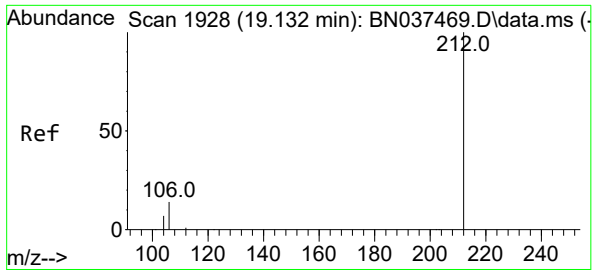
Tgt Ion:172 Resp: 5652
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.8
170 24.2 20.0 30.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1681
Delta R.T. -0.000 min
Lab File: BN037495.D
Acq: 14 Jul 2025 17:24

Tgt Ion:188 Resp: 4180
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 9.3 13.9





#27

Fluoranthene-d10

Concen: 0.337 ng

RT: 19.132 min Scan# 1928

Delta R.T. -0.000 min

Lab File: BN037495.D

Acq: 14 Jul 2025 17:24

Instrument :

BNA_N

ClientSampleId :

PB168831BL

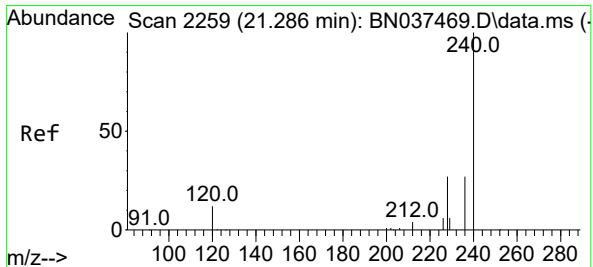
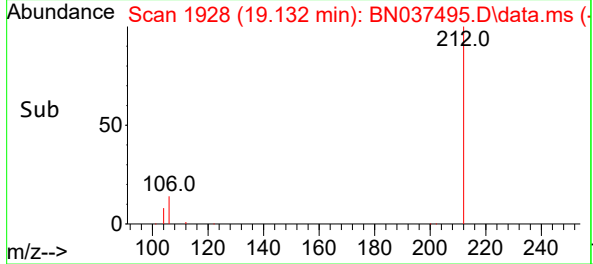
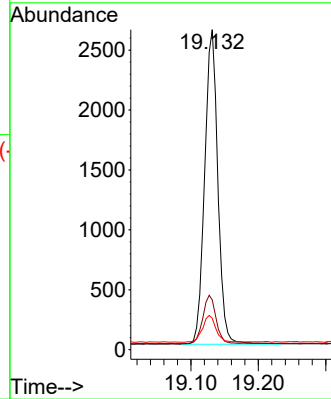
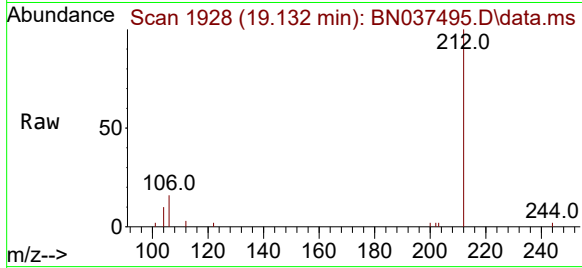
Tgt Ion:212 Resp: 3555

Ion Ratio Lower Upper

212 100

106 15.3 11.7 17.5

104 8.7 6.6 10.0



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 2259

Delta R.T. -0.000 min

Lab File: BN037495.D

Acq: 14 Jul 2025 17:24

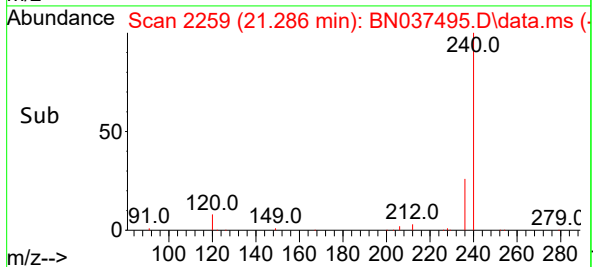
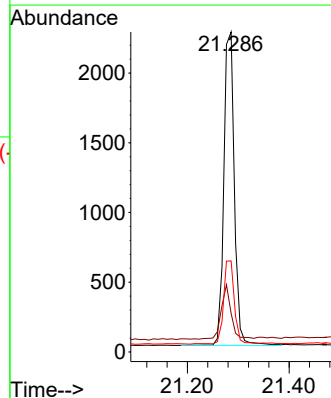
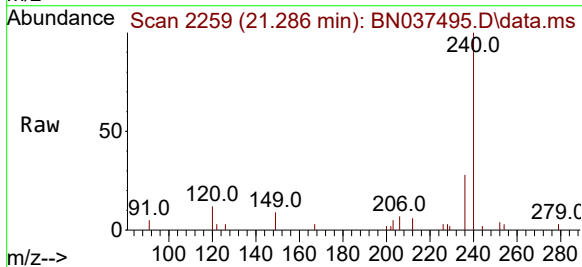
Tgt Ion:240 Resp: 3227

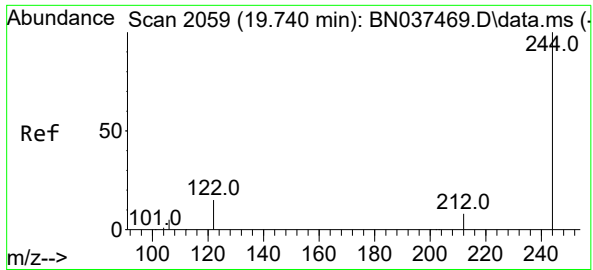
Ion Ratio Lower Upper

240 100

120 12.0 12.4 18.6

236 28.5 22.9 34.3

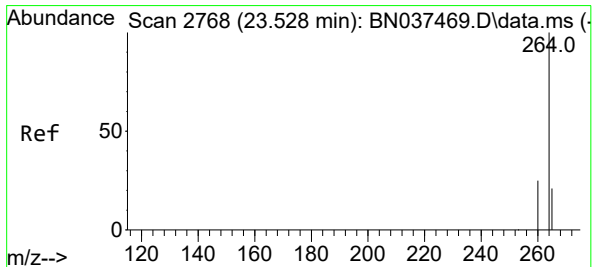
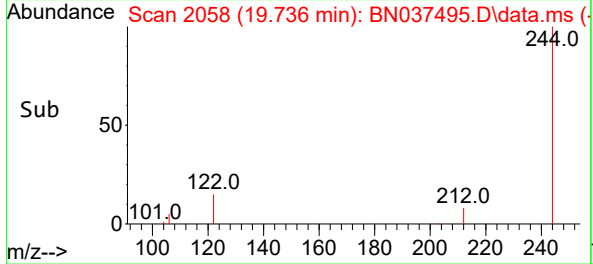
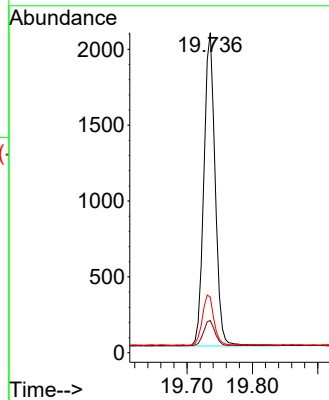
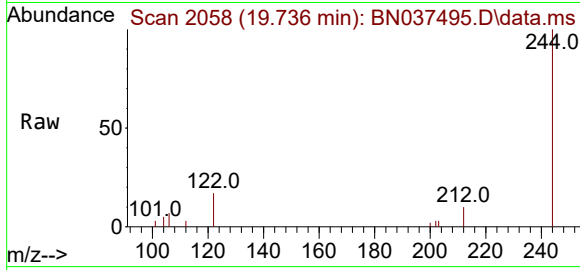




#31
Terphenyl-d14
Concen: 0.367 ng
RT: 19.736 min Scan# 2058
Delta R.T. -0.005 min
Lab File: BN037495.D
Acq: 14 Jul 2025 17:24

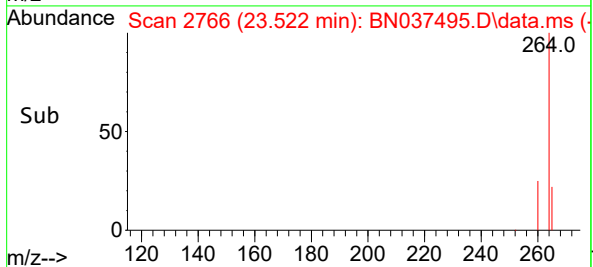
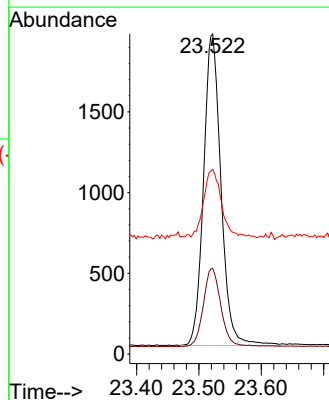
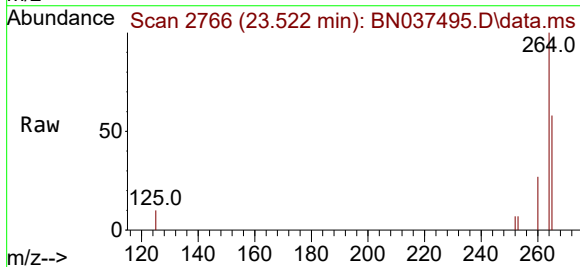
Instrument :
BNA_N
ClientSampleId :
PB168831BL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.0	8.7	13.1
122	17.4	14.1	21.1



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 2766
Delta R.T. -0.006 min
Lab File: BN037495.D
Acq: 14 Jul 2025 17:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.7	32.5
265	57.7	41.6	62.4



Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	PB168831BS		SDG No.:	Q2580	
Lab Sample ID:	PB168831BS		Matrix:	SOIL	
Analytical Method:	SW8270ESIM		% Solid:	100	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-PAH	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	sw3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037494.D	1	07/14/25 09:20	07/14/25 16:47	PB168831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.012		0.0012	0.0033	mg/Kg
91-57-6	2-Methylnaphthalene	0.011		0.0012	0.0033	mg/Kg
208-96-8	Acenaphthylene	0.013		0.0011	0.0033	mg/Kg
83-32-9	Acenaphthene	0.012		0.0011	0.0033	mg/Kg
86-73-7	Fluorene	0.011		0.0011	0.0033	mg/Kg
85-01-8	Phenanthrene	0.012		0.0012	0.0033	mg/Kg
120-12-7	Anthracene	0.012		0.0012	0.0033	mg/Kg
206-44-0	Fluoranthene	0.011		0.0012	0.0033	mg/Kg
129-00-0	Pyrene	0.012		0.0011	0.0033	mg/Kg
56-55-3	Benzo(a)anthracene	0.013		0.0013	0.0033	mg/Kg
218-01-9	Chrysene	0.012		0.0014	0.0033	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.012		0.0016	0.0033	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.011		0.0018	0.0033	mg/Kg
50-32-8	Benzo(a)pyrene	0.014		0.0014	0.0033	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.016		0.0018	0.0033	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.015		0.0018	0.0033	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.015		0.0017	0.0033	mg/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.37		30 (17) - 150 (161)	91%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (23) - 150 (138)	84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		30 (33) - 130 (121)	97%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		30 (32) - 130 (121)	100%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (21) - 130 (130)	92%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2480	7.732			
1146-65-2	Naphthalene-d8	6220	10.509			
15067-26-2	Acenaphthene-d10	2910	14.356			
1517-22-2	Phenanthrene-d10	4750	17.099			
1719-03-5	Chrysene-d12	3630	21.286			

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB168831BS	SDG No.:	Q2580
Lab Sample ID:	PB168831BS	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037494.D	1	07/14/25 09:20	07/14/25 16:47	PB168831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	3750	23.522			

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\BN071425\
 Data File : BN037494.D
 Acq On : 14 Jul 2025 16:47
 Operator : RC/JU
 Sample : PB168831BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB168831BS

Quant Time: Jul 14 17:33:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:38:34 2025
 Response via : Initial Calibration

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

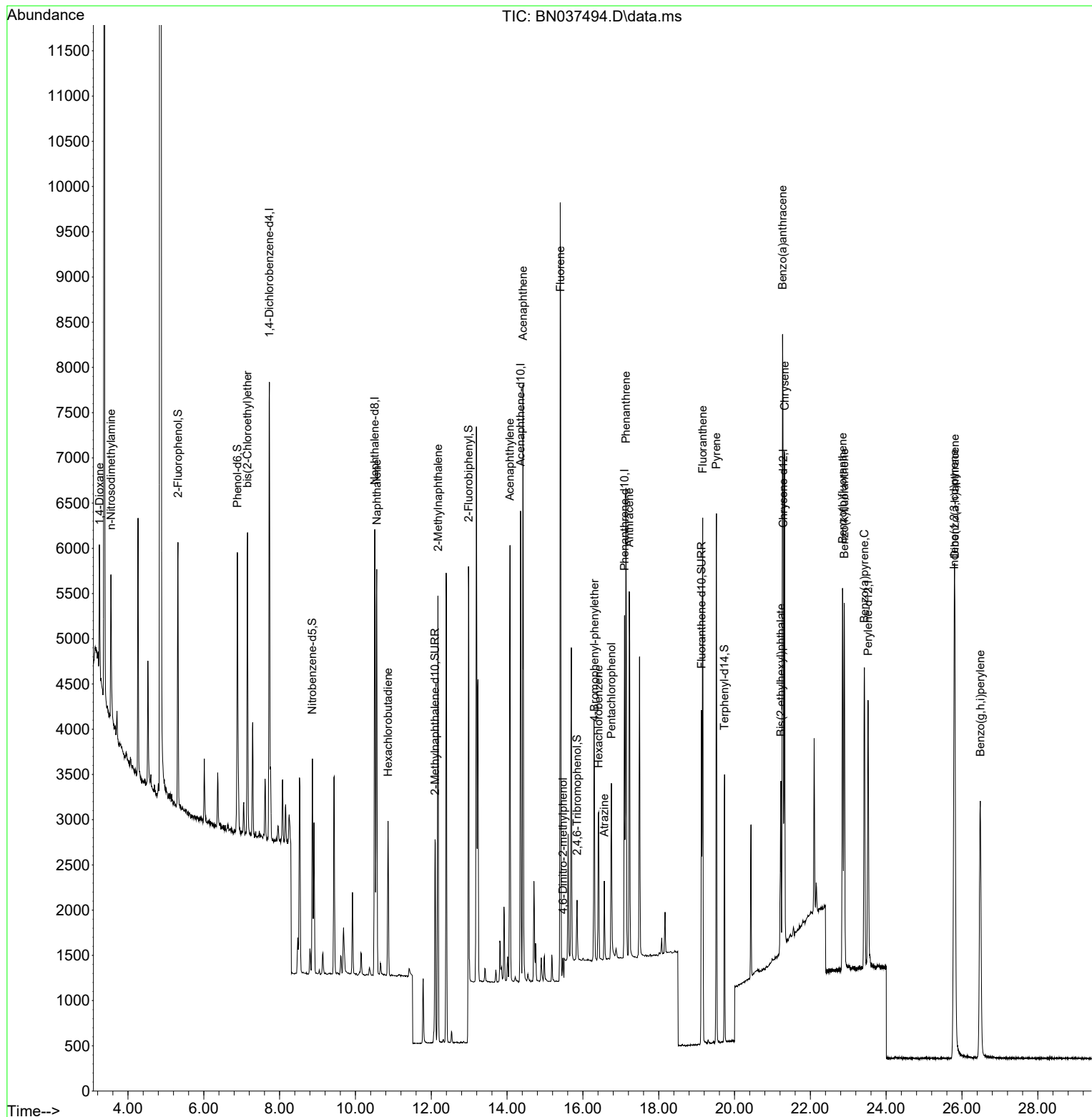
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	2484	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	6222	0.400	ng	# 0.00
13) Acenaphthene-d10	14.356	164	2912	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	4750	0.400	ng	0.00
29) Chrysene-d12	21.286	240	3630	0.400	ng	# 0.00
35) Perylene-d12	23.522	264	3754	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	2280	0.394	ng	0.00
5) Phenol-d6	6.887	99	2700	0.371	ng	0.00
8) Nitrobenzene-d5	8.865	82	1753	0.388	ng	0.00
11) 2-Methylnaphthalene-d10	12.101	152	3090m	0.365	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	376	0.381	ng	0.00
15) 2-Fluorobiphenyl	12.983	172	6614	0.398	ng	0.00
27) Fluoranthene-d10	19.132	212	4017	0.335	ng	0.00
31) Terphenyl-d14	19.736	244	2790	0.368	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	793	0.340	ng	# 94
3) n-Nitrosodimethylamine	3.550	42	1069	0.343	ng	# 74
6) bis(2-Chloroethyl)ether	7.154	93	2389	0.393	ng	99
9) Naphthalene	10.562	128	5988	0.358	ng	98
10) Hexachlorobutadiene	10.861	225	1348	0.336	ng	# 99
12) 2-Methylnaphthalene	12.177	142	3400	0.325	ng	98
16) Acenaphthylene	14.078	152	5220	0.393	ng	100
17) Acenaphthene	14.420	154	3110	0.349	ng	97
18) Fluorene	15.403	166	3733	0.333	ng	99
20) 4,6-Dinitro-2-methylph...	15.478	198	211	0.395	ng	# 78
21) 4-Bromophenyl-phenylether	16.305	248	1128	0.381	ng	# 88
22) Hexachlorobenzene	16.416	284	1517	0.371	ng	97
23) Atrazine	16.565	200	643	0.436	ng	97
24) Pentachlorophenol	16.751	266	1043	0.741	ng	98
25) Phenanthrene	17.136	178	5189	0.359	ng	100
26) Anthracene	17.223	178	4720	0.362	ng	100
28) Fluoranthene	19.160	202	5180	0.326	ng	99
30) Pyrene	19.522	202	5115	0.350	ng	100
32) Benzo(a)anthracene	21.268	228	4824	0.392	ng	100
33) Chrysene	21.322	228	4854	0.361	ng	99
34) Bis(2-ethylhexyl)phtha...	21.223	149	1671	0.400	ng	# 95
36) Indeno(1,2,3-cd)pyrene	25.794	276	6815	0.468	ng	98
37) Benzo(b)fluoranthene	22.850	252	5180	0.355	ng	99
38) Benzo(k)fluoranthene	22.894	252	5062	0.342	ng	99
39) Benzo(a)pyrene	23.426	252	4768	0.406	ng	99
40) Dibenzo(a,h)anthracene	25.811	278	5367	0.457	ng	95
41) Benzo(g,h,i)perylene	26.484	276	5768	0.448	ng	98

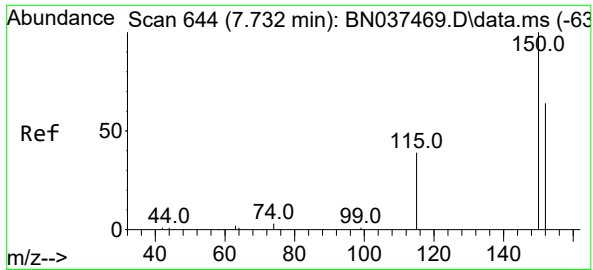
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
Data File : BN037494.D
Acq On : 14 Jul 2025 16:47
Operator : RC/JU
Sample : PB168831BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168831BS

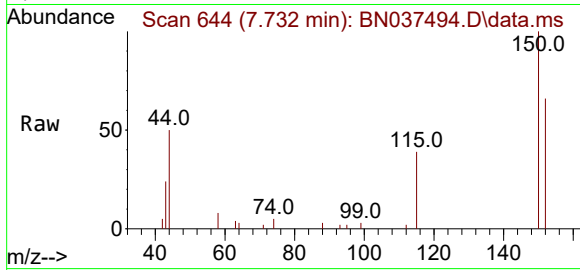
Quant Time: Jul 14 17:33:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:38:34 2025
Response via : Initial Calibration



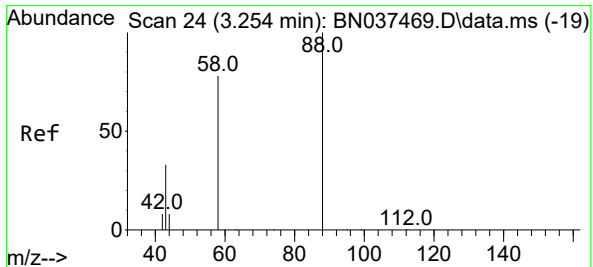
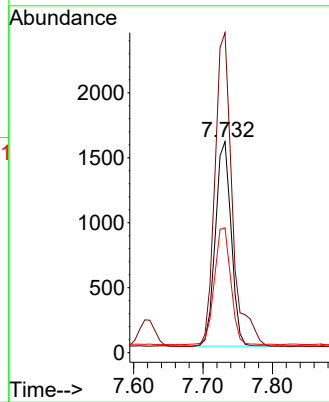
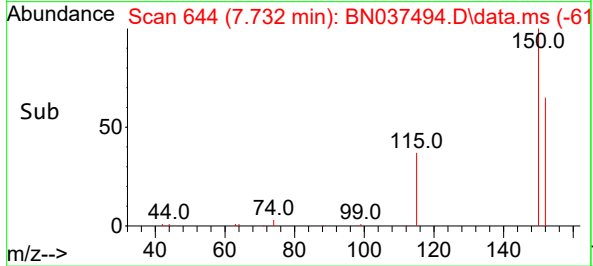


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.732 min Scan# 64
 Delta R.T. -0.000 min
 Lab File: BN037494.D
 Acq: 14 Jul 2025 16:47

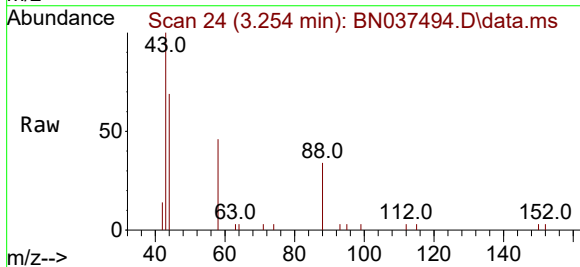
Instrument :
 BNA_N
 ClientSampleId :
 PB168831BS



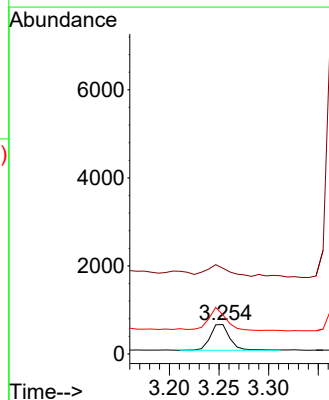
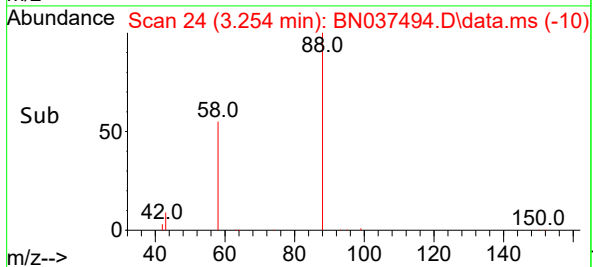
Tgt Ion:152 Resp: 2484
 Ion Ratio Lower Upper
 152 100
 150 151.7 122.5 183.7
 115 59.1 49.9 74.9



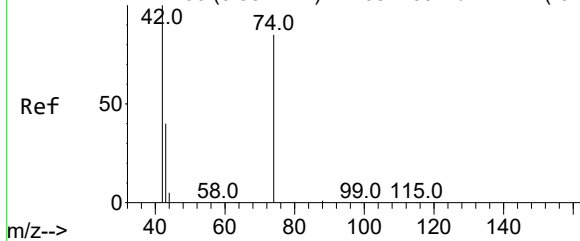
#2
 1,4-Dioxane
 Concen: 0.340 ng
 RT: 3.254 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: BN037494.D
 Acq: 14 Jul 2025 16:47



Tgt Ion: 88 Resp: 793
 Ion Ratio Lower Upper
 88 100
 43 48.5 30.7 46.1#
 58 80.2 65.0 97.4



Abundance Scan 66 (3.557 min): BN037469.D\data.ms (-61)



#3

n-Nitrosodimethylamine

Concen: 0.343 ng

RT: 3.550 min Scan# 61

Delta R.T. -0.007 min

Lab File: BN037494.D

Acq: 14 Jul 2025 16:47

Instrument :

BNA_N

ClientSampleId :

PB168831BS

Tgt Ion: 42 Resp: 1069

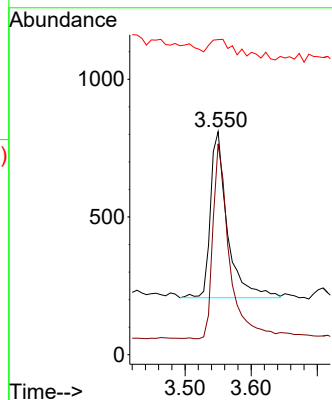
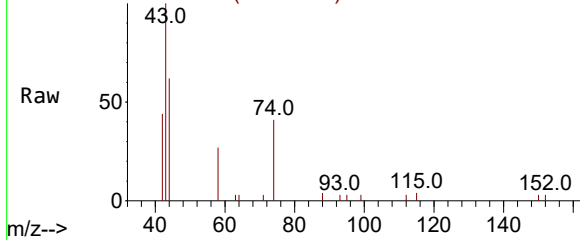
Ion Ratio Lower Upper

42 100

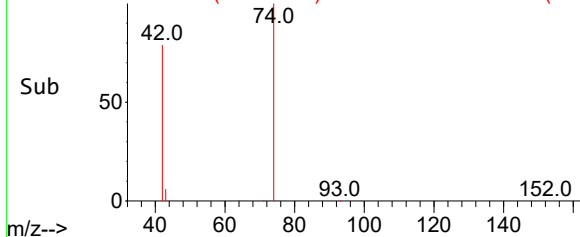
74 118.3 74.9 112.3#

44 21.5 7.2 10.8#

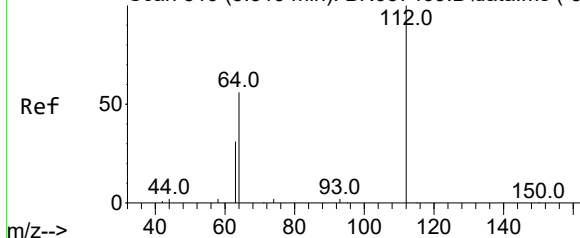
Abundance Scan 65 (3.550 min): BN037494.D\data.ms



Abundance Scan 65 (3.550 min): BN037494.D\data.ms (-45)



Abundance Scan 310 (5.319 min): BN037469.D\data.ms (-30)



#4

2-Fluorophenol

Concen: 0.394 ng

RT: 5.319 min Scan# 310

Delta R.T. 0.000 min

Lab File: BN037494.D

Acq: 14 Jul 2025 16:47

Tgt Ion: 112 Resp: 2280

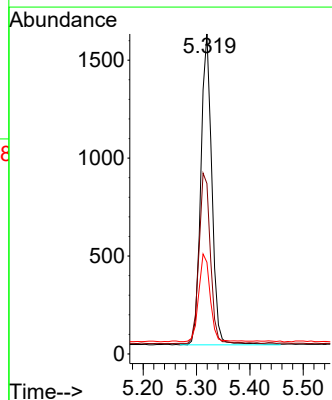
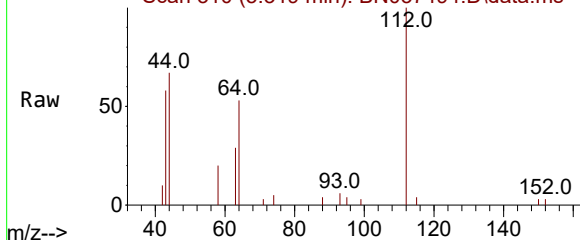
Ion Ratio Lower Upper

112 100

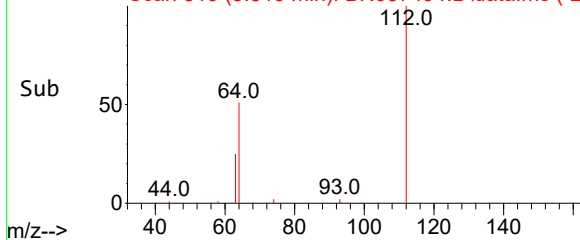
64 56.8 45.4 68.0

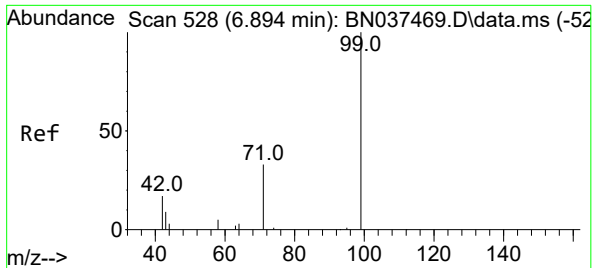
63 29.2 24.7 37.1

Abundance Scan 310 (5.319 min): BN037494.D\data.ms



Abundance Scan 310 (5.319 min): BN037494.D\data.ms (-28)

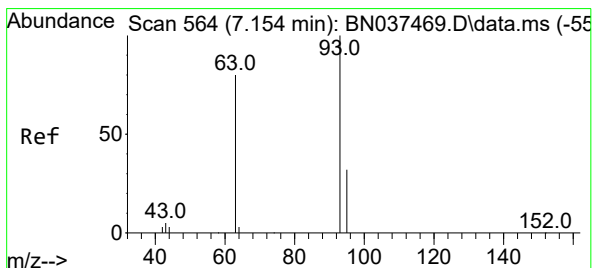
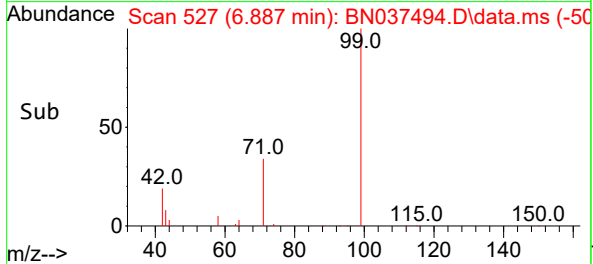
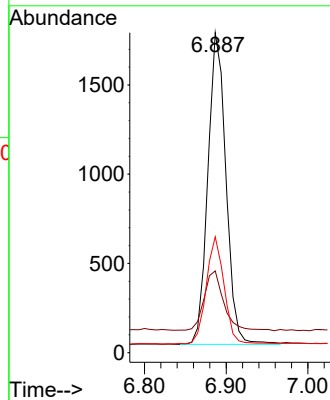
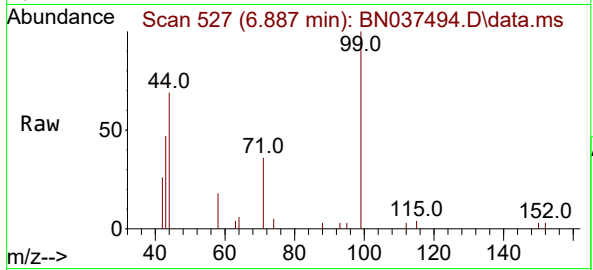




#5
Phenol-d6
Concen: 0.371 ng
RT: 6.887 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

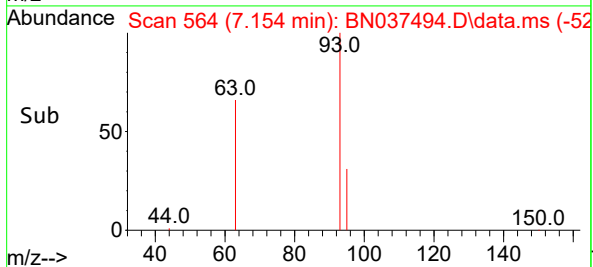
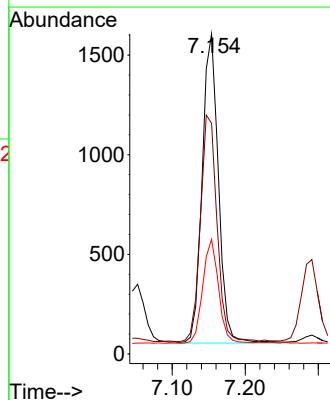
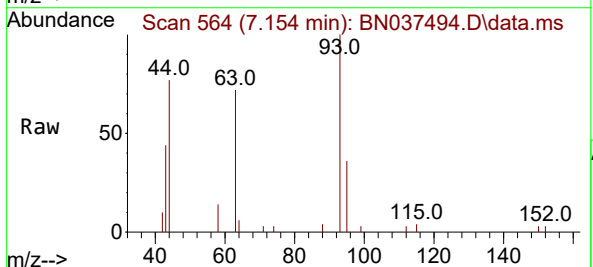
Instrument :
BNA_N
ClientSampleId :
PB168831BS

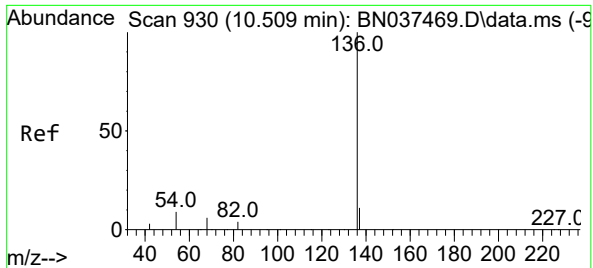
Tgt Ion: 99 Resp: 2700
Ion Ratio Lower Upper
99 100
42 20.9 19.5 29.3
71 34.2 29.4 44.2



#6
bis(2-Chloroethyl)ether
Concen: 0.393 ng
RT: 7.154 min Scan# 564
Delta R.T. 0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Tgt Ion: 93 Resp: 2389
Ion Ratio Lower Upper
93 100
63 74.8 60.8 91.2
95 32.7 25.6 38.4

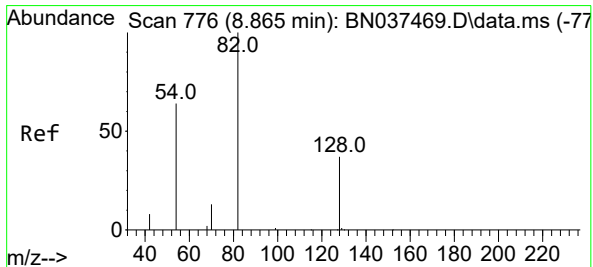
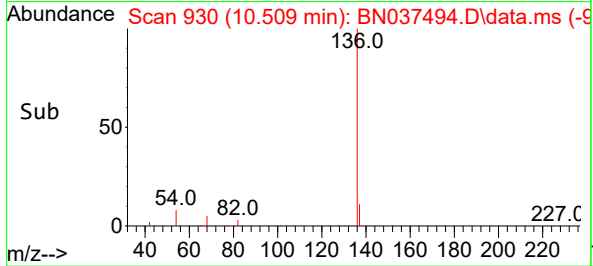
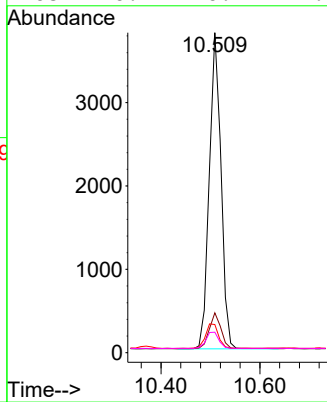
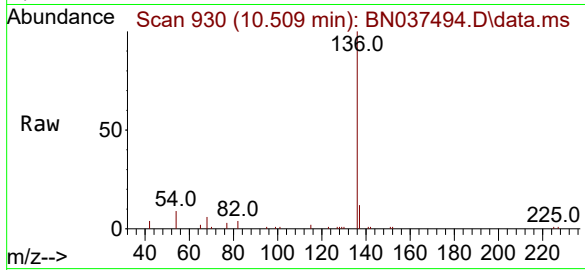




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

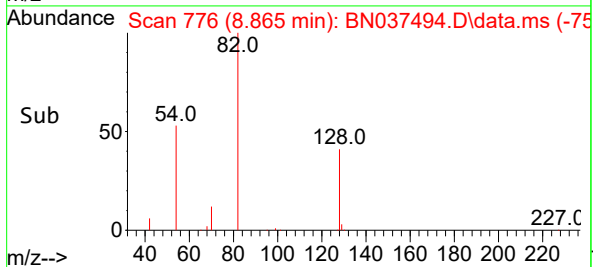
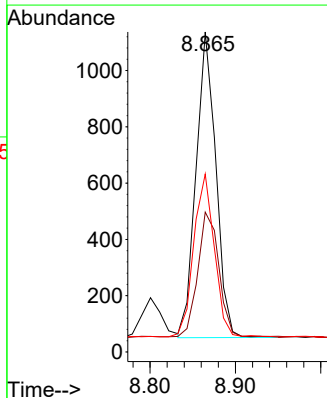
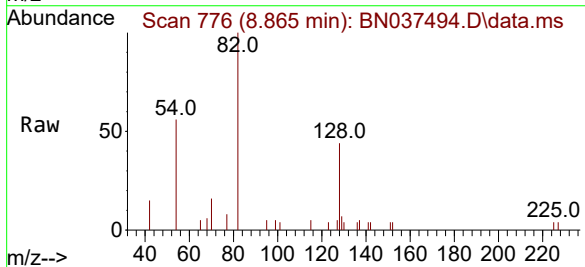
Instrument :
BNA_N
ClientSampleId :
PB168831BS

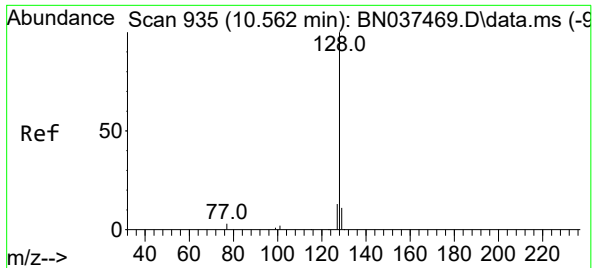
Tgt Ion:	136	Resp:	6222
Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.0	15.0
54	8.8	9.0	13.6#
68	6.4	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.388 ng
RT: 8.865 min Scan# 776
Delta R.T. 0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Tgt Ion:	82	Resp:	1753
Ion	Ratio	Lower	Upper
82	100		
128	43.7	33.1	49.7
54	55.6	53.0	79.4

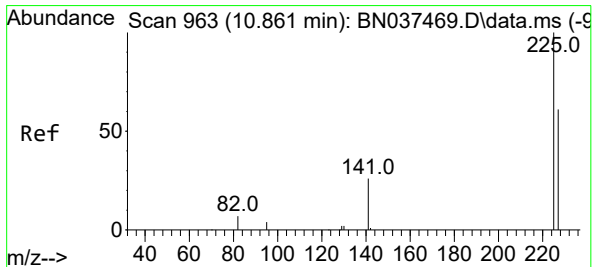
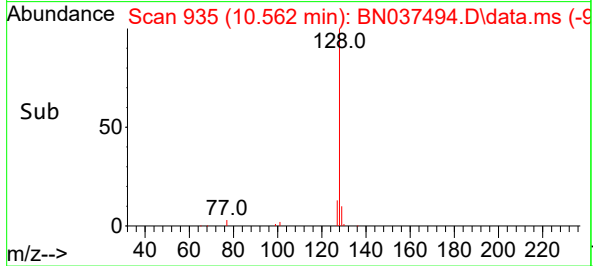
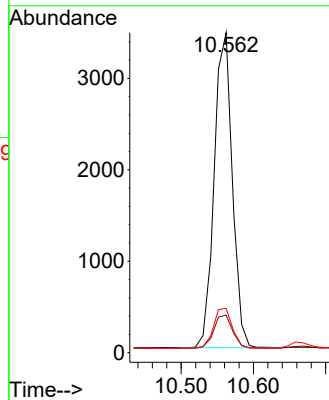
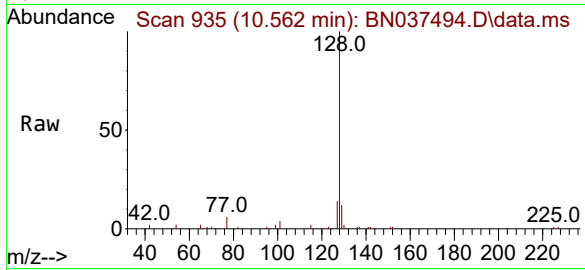




#9
Naphthalene
Concen: 0.358 ng
RT: 10.562 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

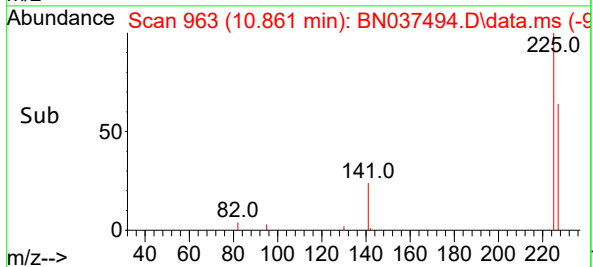
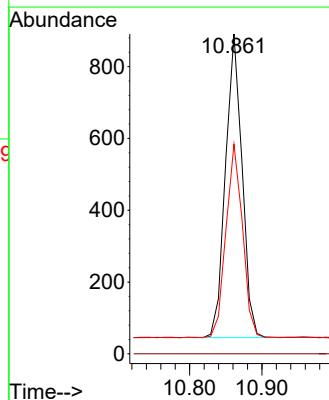
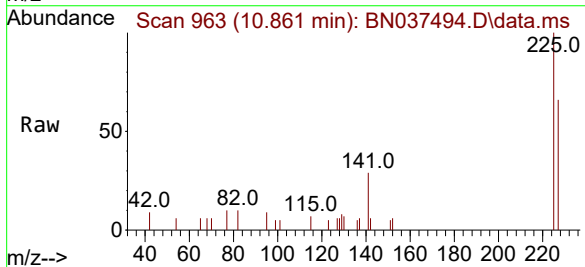
Instrument :
BNA_N
ClientSampleId :
PB168831BS

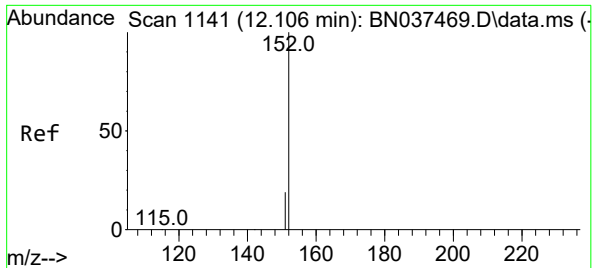
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	10.2	15.2
127	13.9	11.8	17.6



#10
Hexachlorobutadiene
Concen: 0.336 ng
RT: 10.861 min Scan# 963
Delta R.T. 0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.4	77.2

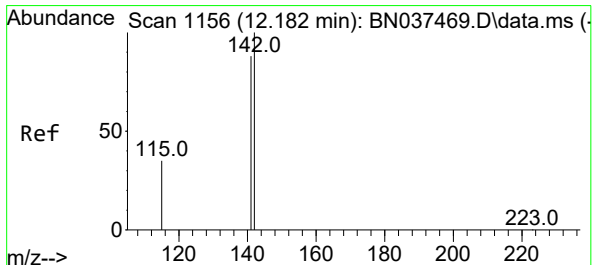
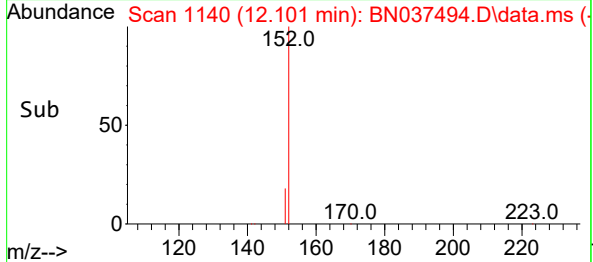
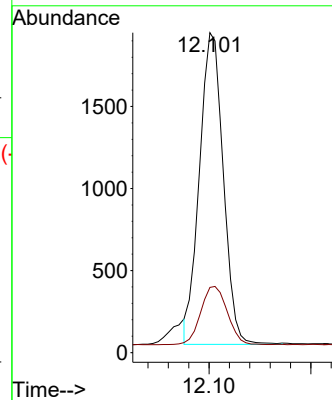
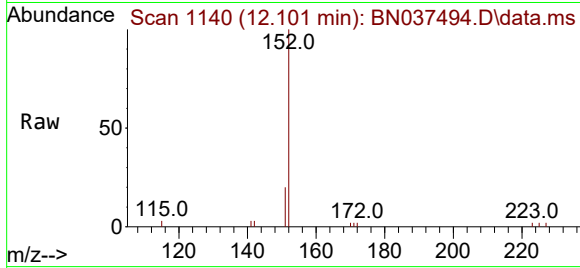




#11
2-Methylnaphthalene-d10
Concen: 0.365 ng m
RT: 12.101 min Scan# 1140
Delta R.T. -0.005 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

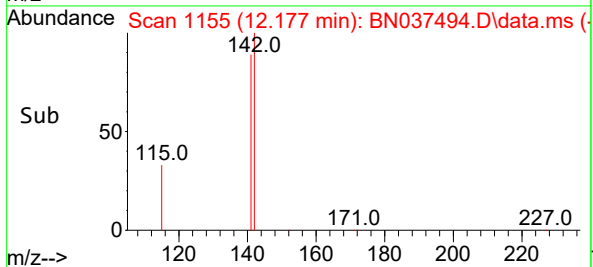
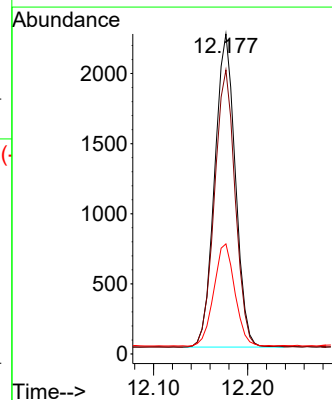
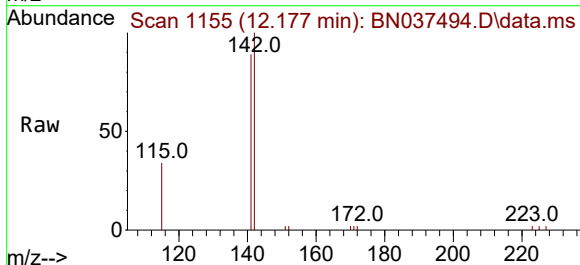
Instrument :
BNA_N
ClientSampleId :
PB168831BS

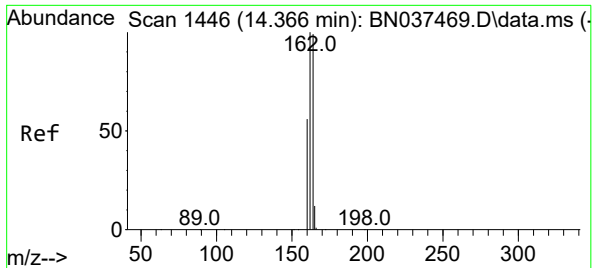
Tgt Ion:152 Resp: 3090
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.325 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Tgt Ion:142 Resp: 3400
Ion Ratio Lower Upper
142 100
141 88.7 70.6 105.8
115 34.4 30.0 45.0

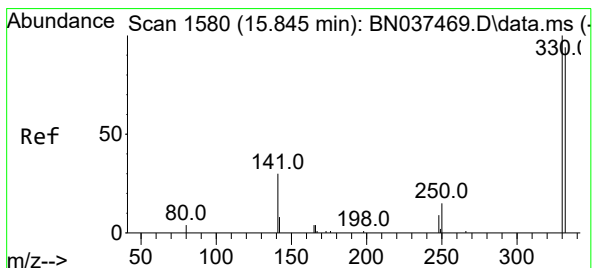
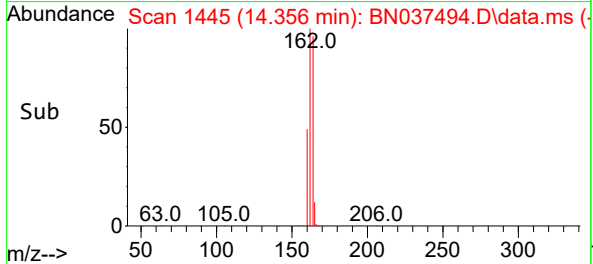
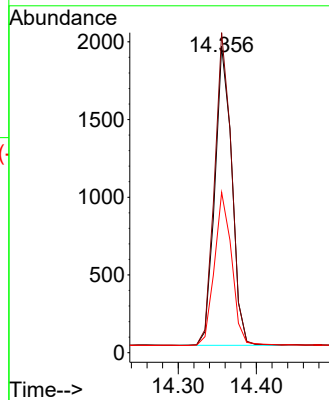
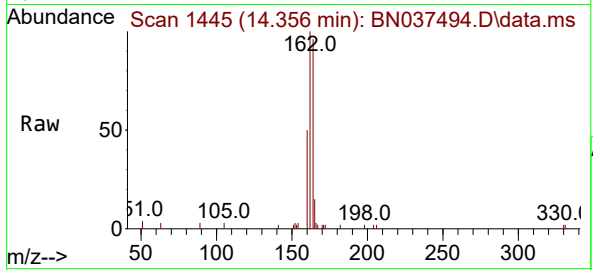




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.356 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

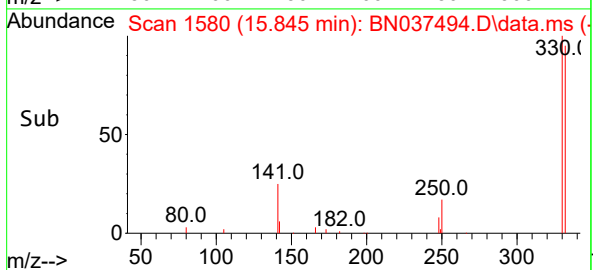
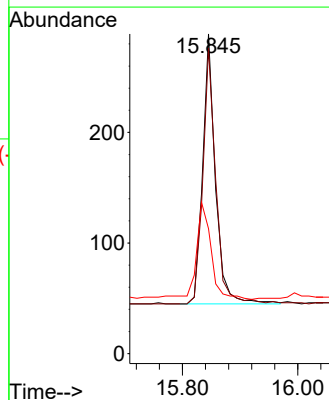
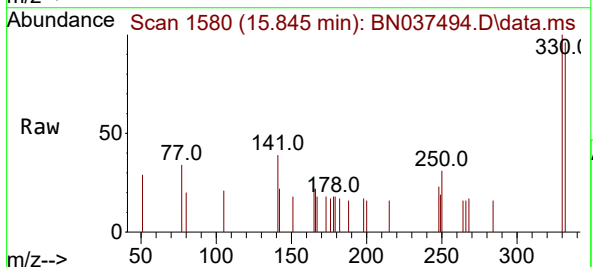
Instrument :
BNA_N
ClientSampleId :
PB168831BS

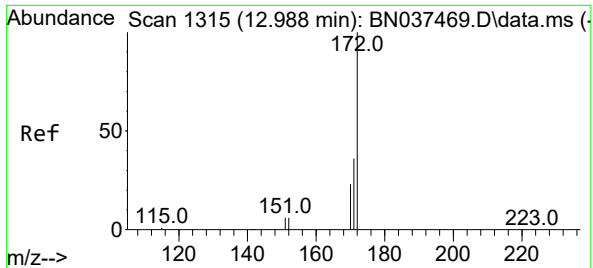
Tgt Ion:164 Resp: 2912
Ion Ratio Lower Upper
164 100
162 104.4 81.1 121.7
160 52.3 46.5 69.7



#14
2,4,6-Tribromophenol
Concen: 0.381 ng
RT: 15.845 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Tgt Ion:330 Resp: 376
Ion Ratio Lower Upper
330 100
332 96.0 82.0 123.0
141 43.1 36.2 54.2

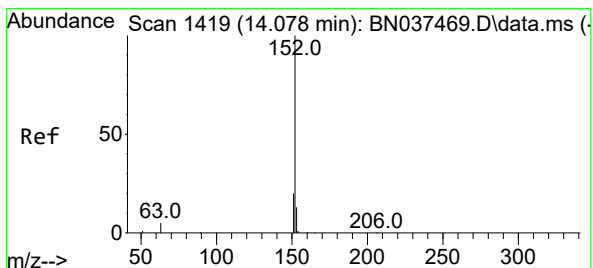
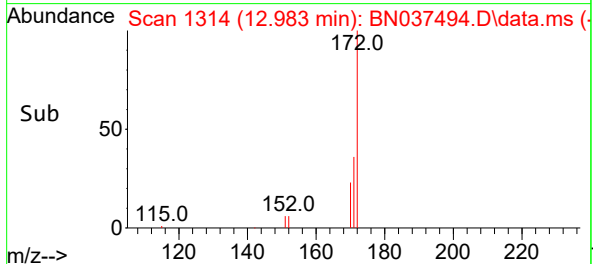
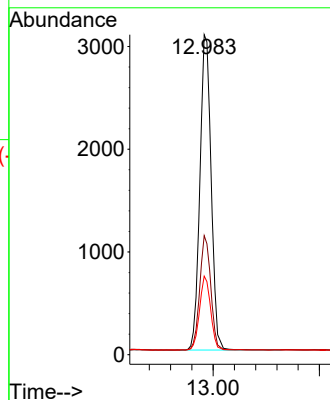
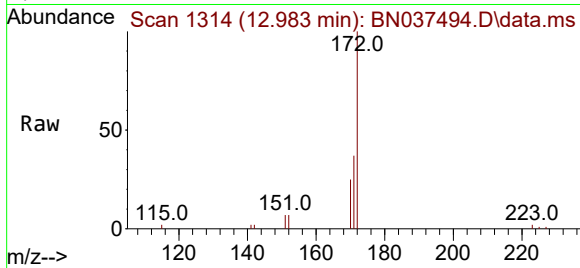




#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 12.983 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

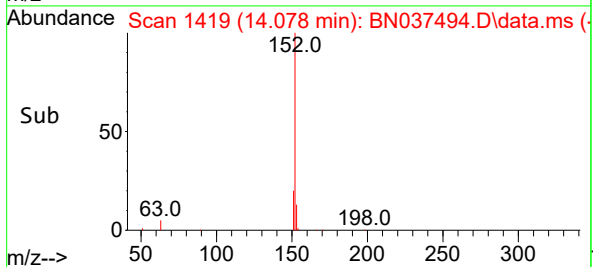
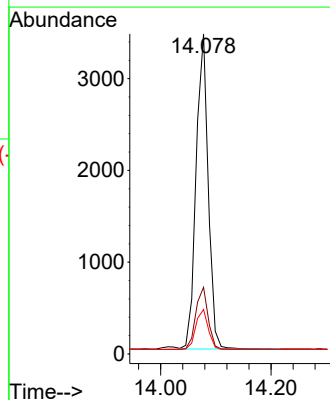
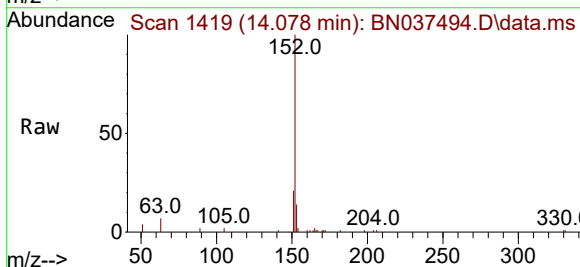
Instrument :
BNA_N
ClientSampleId :
PB168831BS

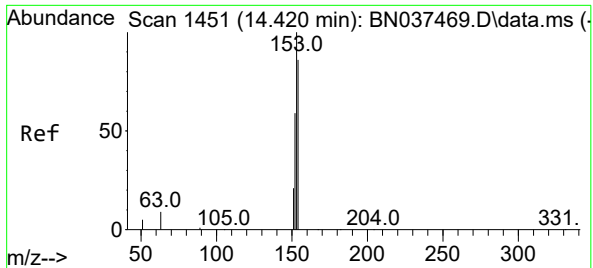
Tgt Ion:172 Resp: 6614
Ion Ratio Lower Upper
172 100
171 37.2 29.8 44.8
170 24.6 20.0 30.0



#16
Acenaphthylene
Concen: 0.393 ng
RT: 14.078 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Tgt Ion:152 Resp: 5220
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 13.3 10.6 15.8

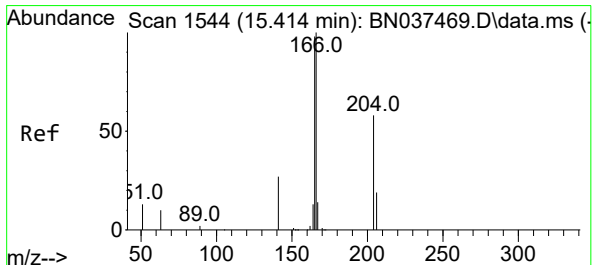
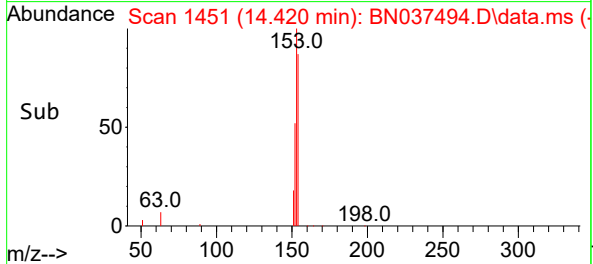
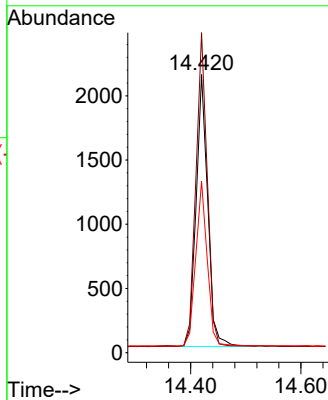
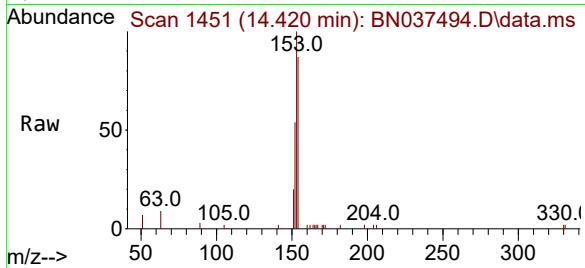




#17
Acenaphthene
Concen: 0.349 ng
RT: 14.420 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

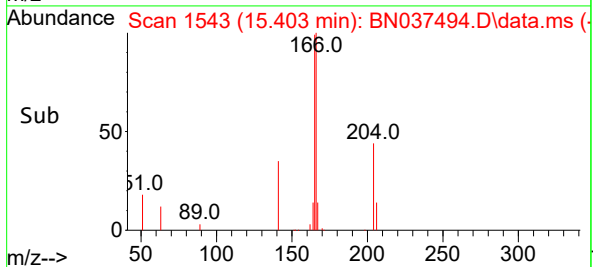
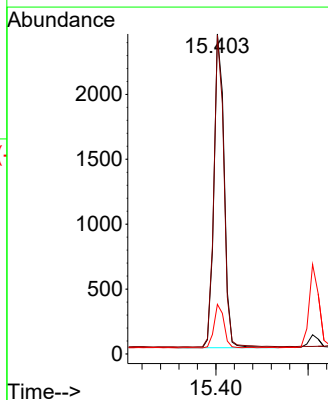
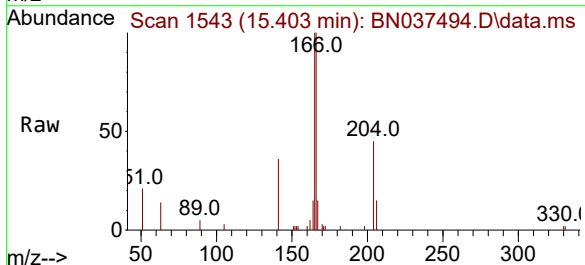
Instrument :
BNA_N
ClientSampleId :
PB168831BS

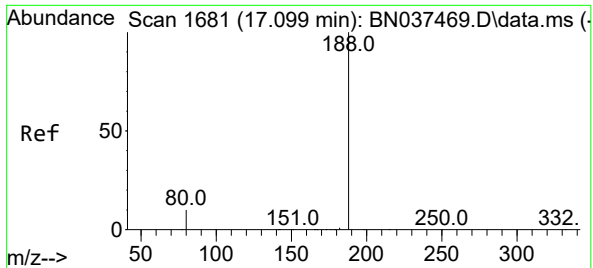
Tgt Ion:154 Resp: 3110
Ion Ratio Lower Upper
154 100
153 112.1 89.4 134.0
152 59.7 53.2 79.8



#18
Fluorene
Concen: 0.333 ng
RT: 15.403 min Scan# 1543
Delta R.T. -0.011 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Tgt Ion:166 Resp: 3733
Ion Ratio Lower Upper
166 100
165 98.4 79.4 119.2
167 13.3 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037494.D

Acq: 14 Jul 2025 16:47

Instrument :

BNA_N

ClientSampleId :

PB168831BS

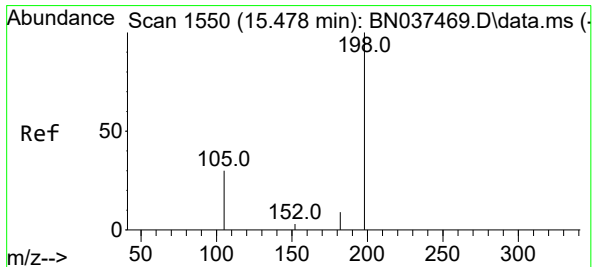
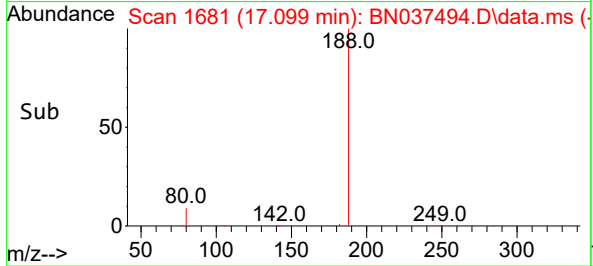
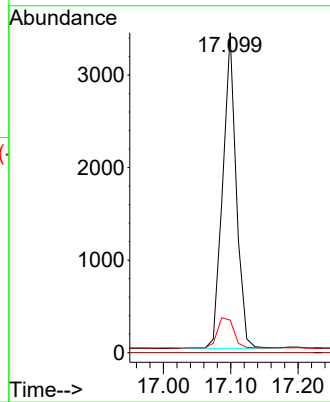
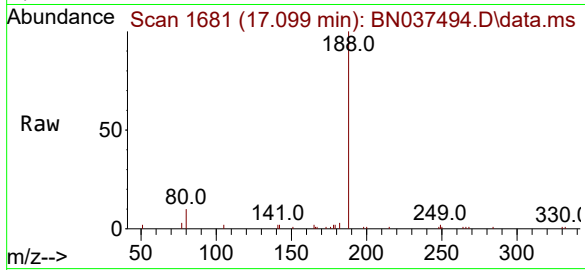
Tgt Ion:188 Resp: 4750

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.2 9.3 13.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.395 ng

RT: 15.478 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BN037494.D

Acq: 14 Jul 2025 16:47

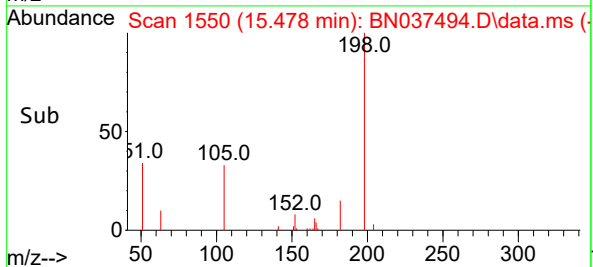
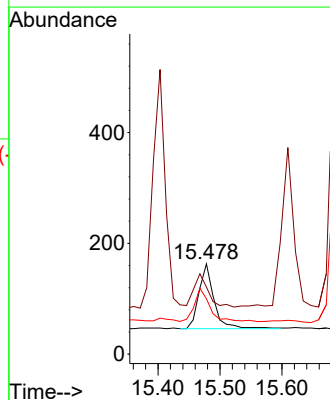
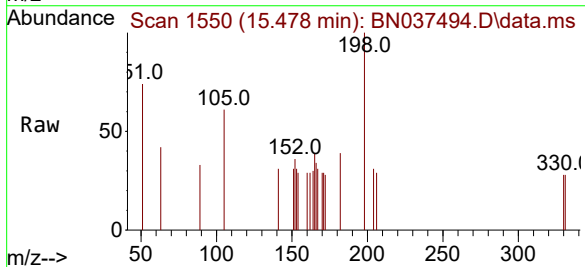
Tgt Ion:198 Resp: 211

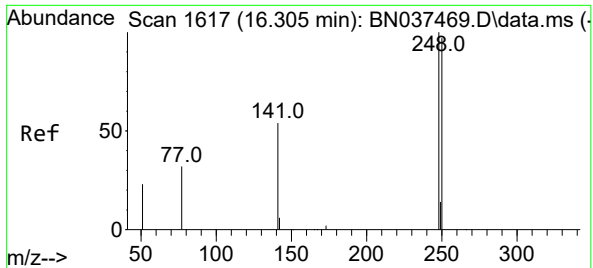
Ion Ratio Lower Upper

198 100

51 74.2 86.0 129.0#

105 61.3 53.0 79.4

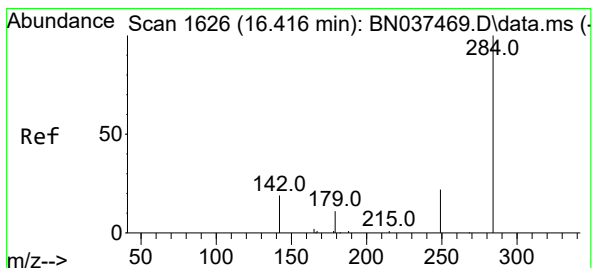
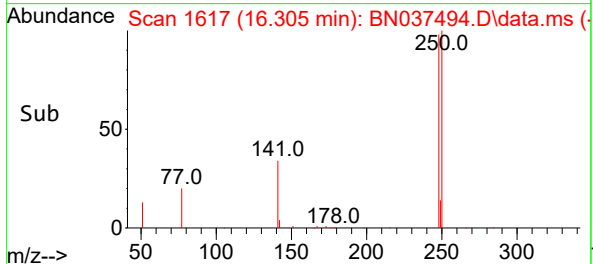
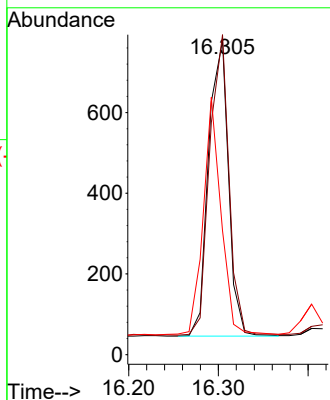
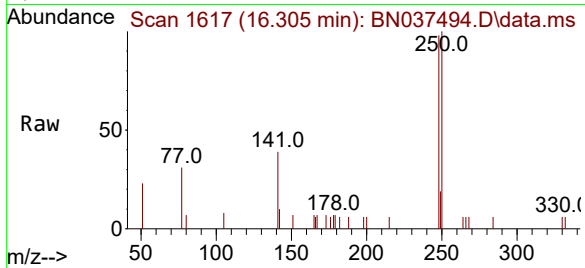




#21
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.305 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

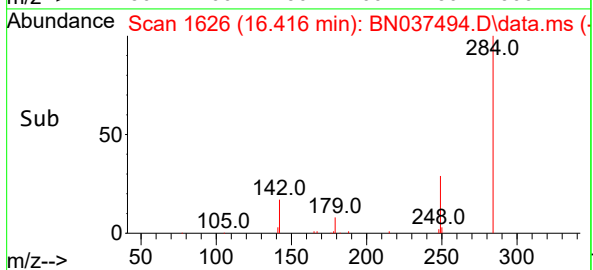
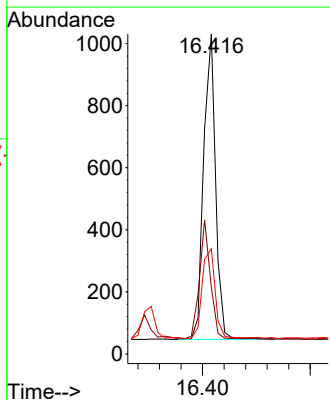
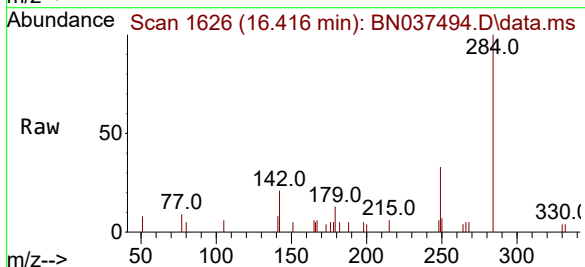
Instrument :
BNA_N
ClientSampleId :
PB168831BS

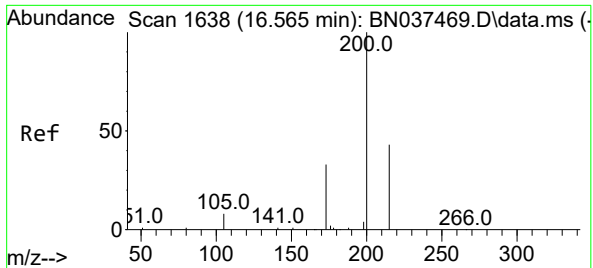
Tgt Ion	Ratio	Lower	Upper
248	100		
250	101.9	77.8	116.6
141	39.5	45.9	68.9



#22
Hexachlorobenzene
Concen: 0.371 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.5	31.3	46.9
249	31.9	26.6	40.0

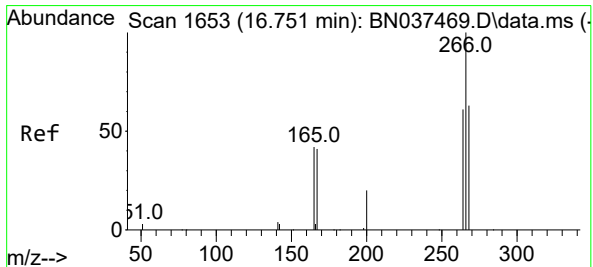
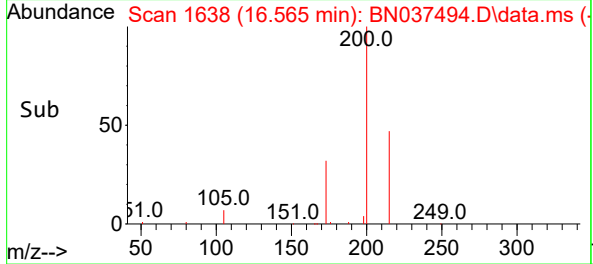
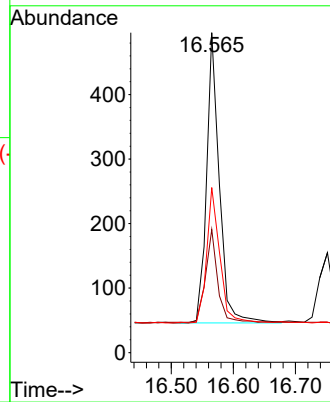
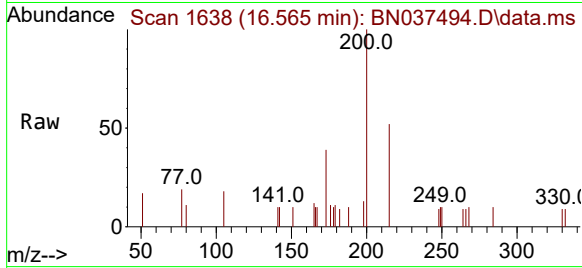




#23
Atrazine
Concen: 0.436 ng
RT: 16.565 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

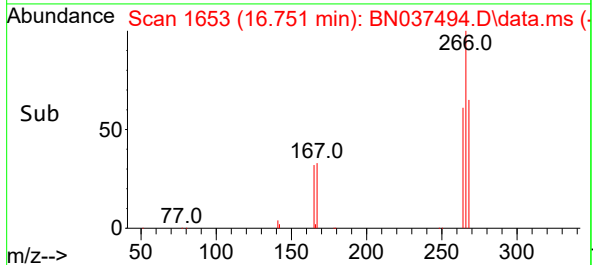
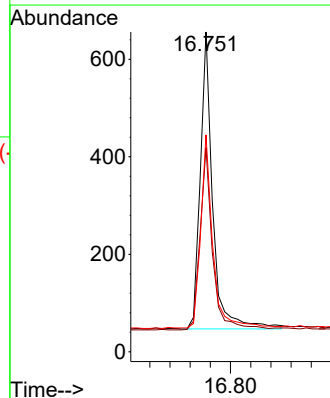
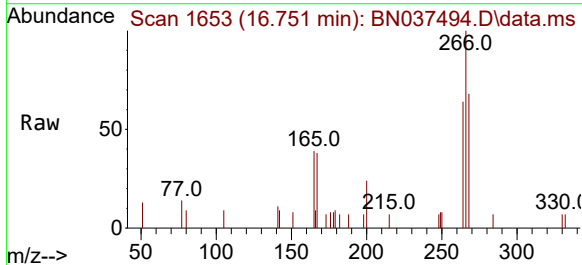
Instrument :
BNA_N
ClientSampleId :
PB168831BS

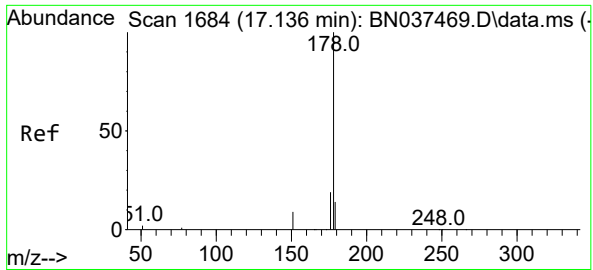
Tgt Ion	Ratio	Lower	Upper
200	100		
173	38.5	34.3	51.5
215	51.6	41.6	62.4



#24
Pentachlorophenol
Concen: 0.741 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.6	47.5	71.3
268	63.1	50.6	76.0

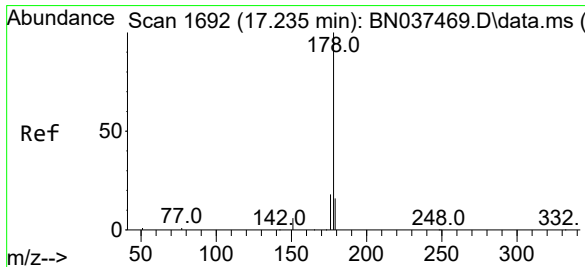
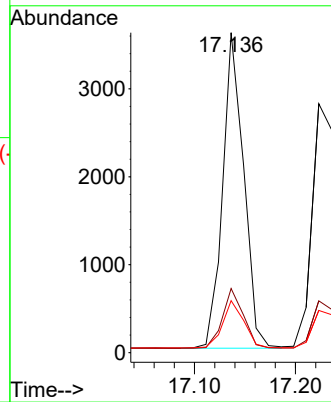
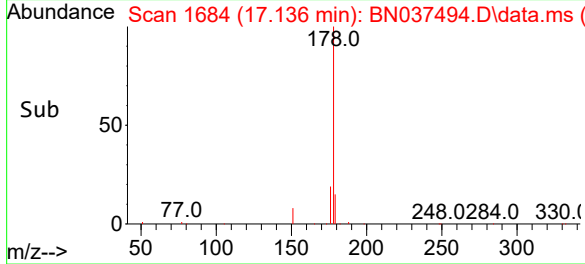
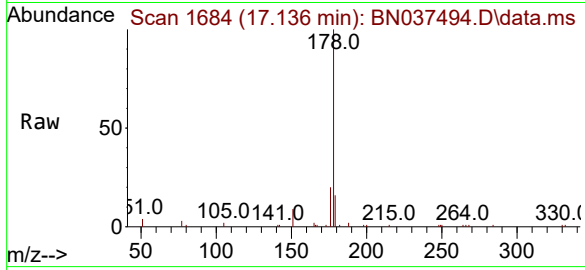




#25
Phenanthrene
Concen: 0.359 ng
RT: 17.136 min Scan# 1684
Delta R.T. 0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

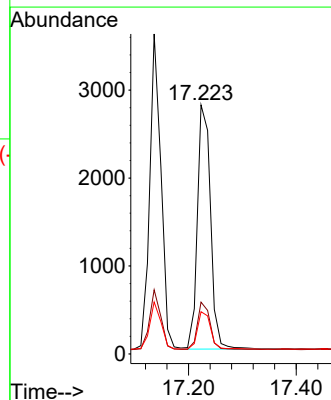
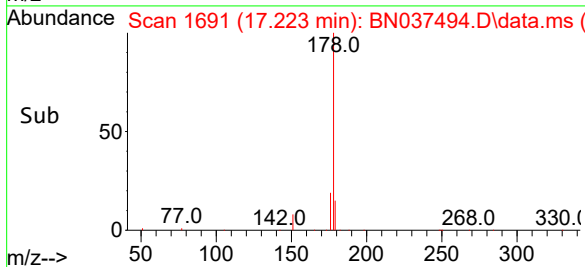
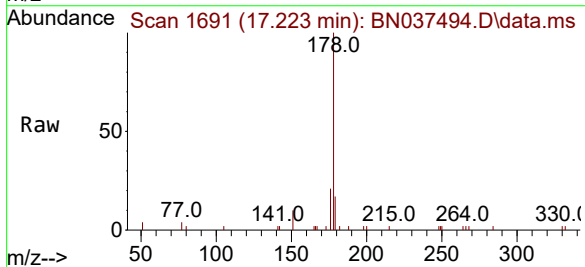
Instrument :
BNA_N
ClientSampleId :
PB168831BS

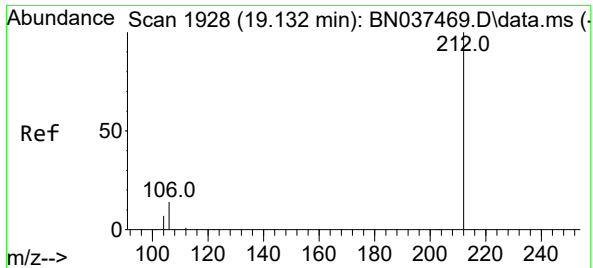
Tgt Ion:178 Resp: 5189
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.5 12.2 18.2



#26
Anthracene
Concen: 0.362 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.012 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Tgt Ion:178 Resp: 4720
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.4 12.3 18.5

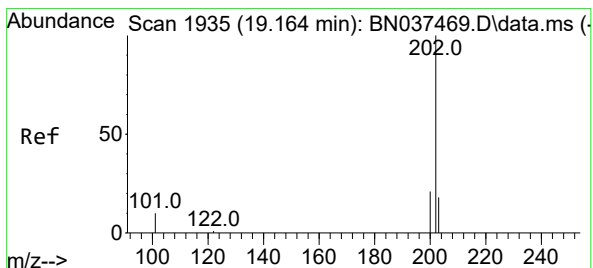
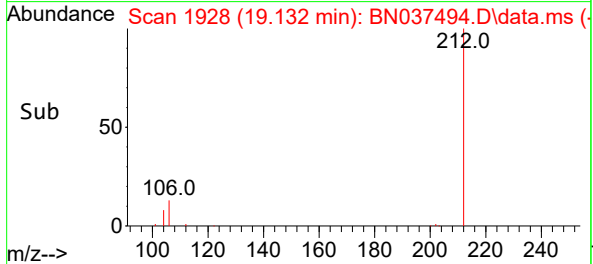
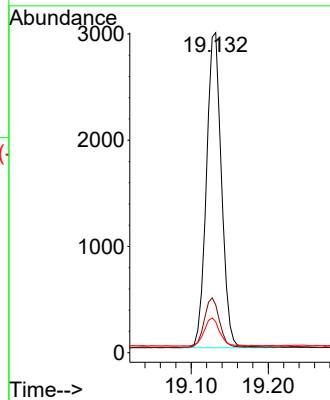
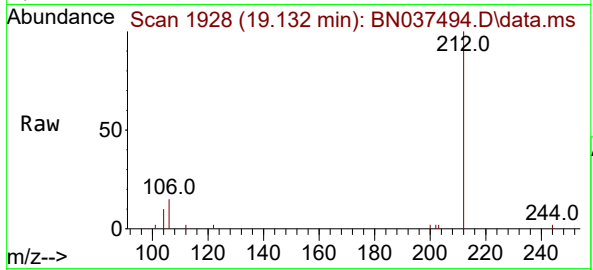




#27
Fluoranthene-d10
Concen: 0.335 ng
RT: 19.132 min Scan# 1928
Delta R.T. 0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

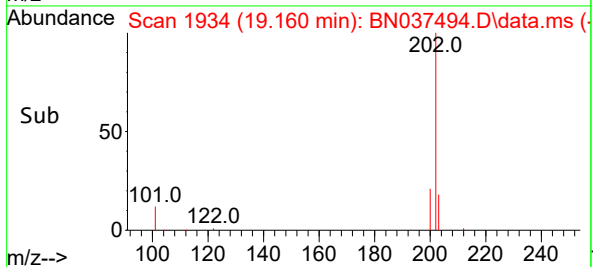
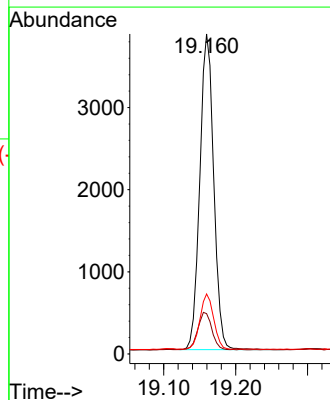
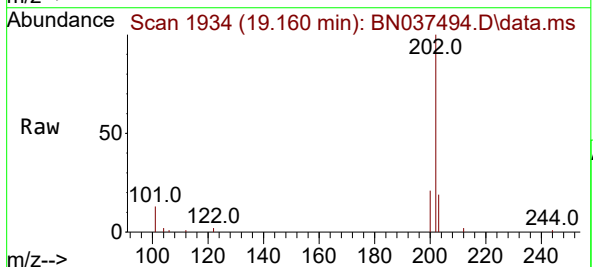
Instrument :
BNA_N
ClientSampleId :
PB168831BS

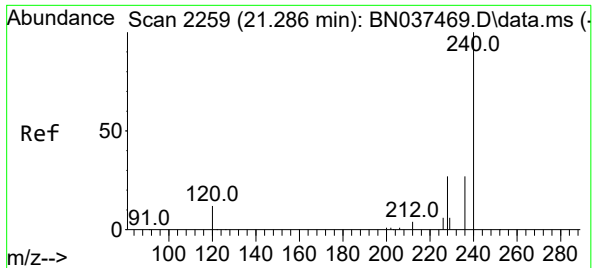
Tgt Ion	Ratio	Lower	Upper
212	100		
106	15.8	11.7	17.5
104	9.2	6.6	10.0



#28
Fluoranthene
Concen: 0.326 ng
RT: 19.160 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.2	13.8
203	17.1	14.0	21.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037494.D

Acq: 14 Jul 2025 16:47

Instrument :

BNA_N

ClientSampleId :

PB168831BS

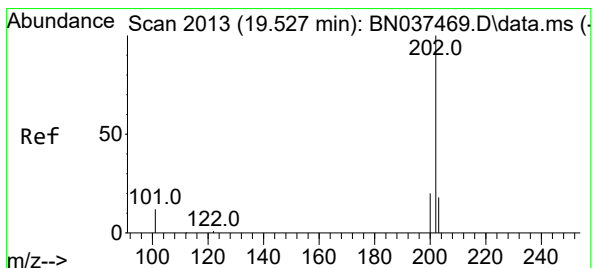
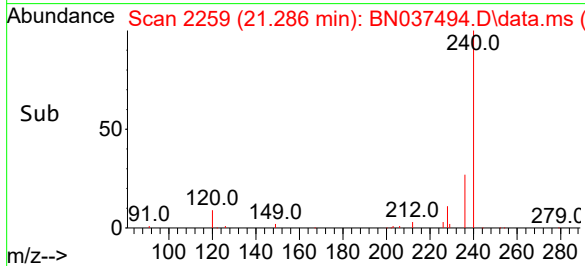
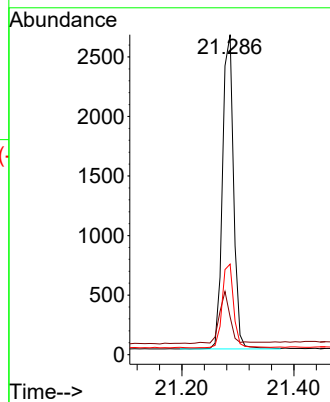
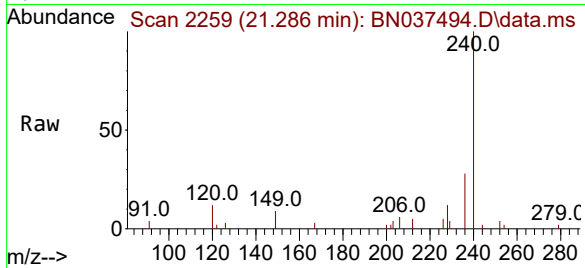
Tgt Ion:240 Resp: 3630

Ion Ratio Lower Upper

240 100

120 11.8 12.4 18.6#

236 28.3 22.9 34.3



#30

Pyrene

Concen: 0.350 ng

RT: 19.522 min Scan# 2012

Delta R.T. -0.005 min

Lab File: BN037494.D

Acq: 14 Jul 2025 16:47

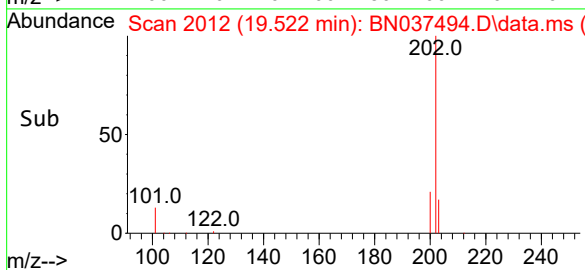
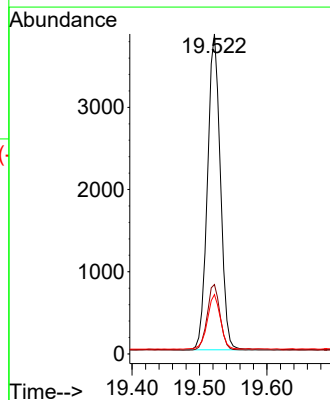
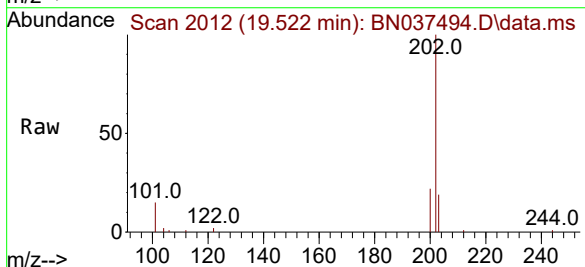
Tgt Ion:202 Resp: 5115

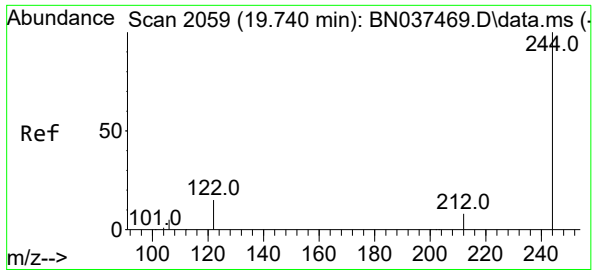
Ion Ratio Lower Upper

202 100

200 20.6 16.4 24.6

203 17.6 14.3 21.5

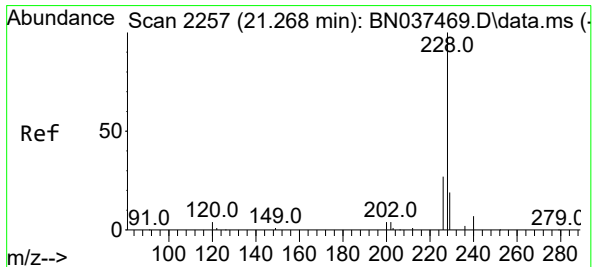
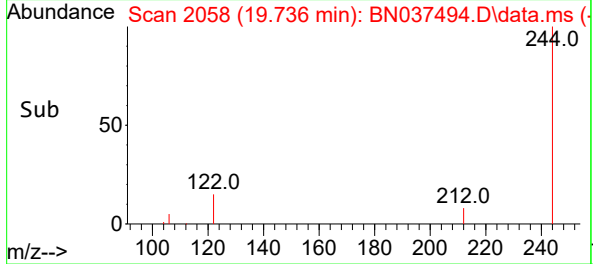
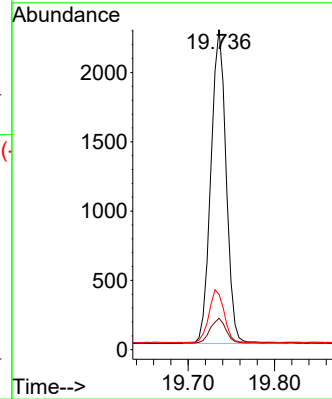
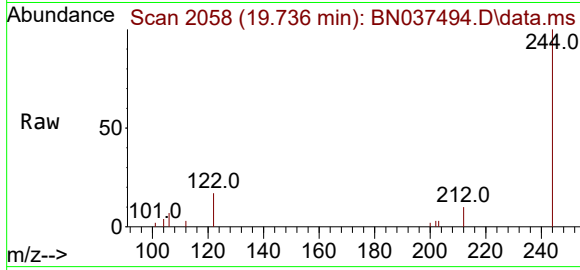




#31
Terphenyl-d14
Concen: 0.368 ng
RT: 19.736 min Scan# 2058
Delta R.T. -0.005 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

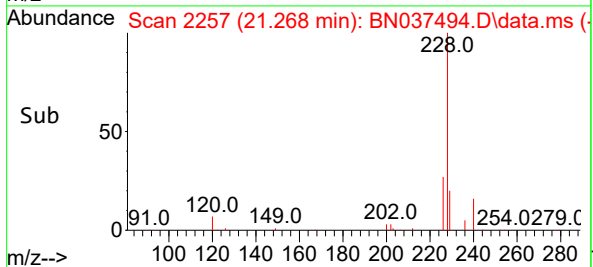
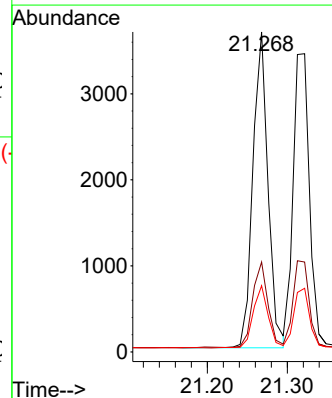
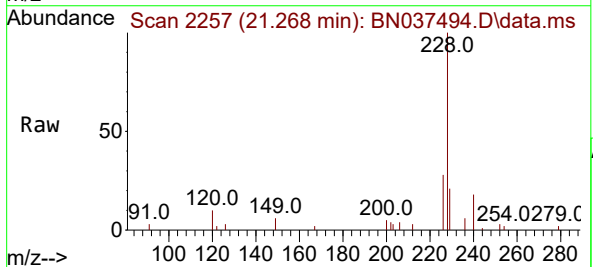
Instrument :
BNA_N
ClientSampleId :
PB168831BS

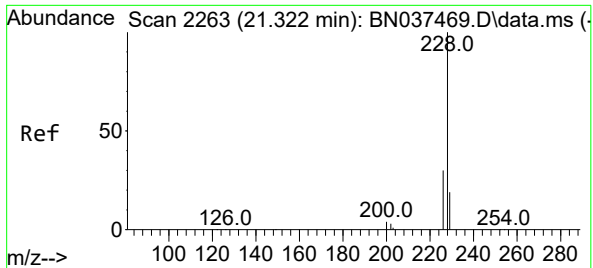
Tgt Ion:244 Resp: 2790
Ion Ratio Lower Upper
244 100
212 9.8 8.7 13.1
122 17.3 14.1 21.1



#32
Benzo(a)anthracene
Concen: 0.392 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

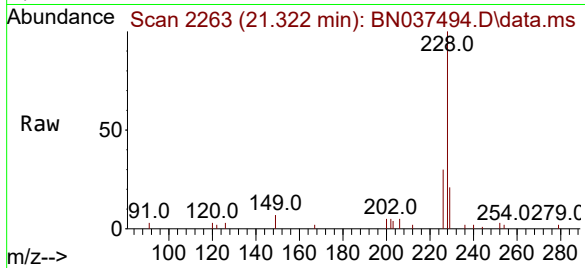
Tgt Ion:228 Resp: 4824
Ion Ratio Lower Upper
228 100
226 28.1 22.7 34.1
229 20.7 16.6 24.8



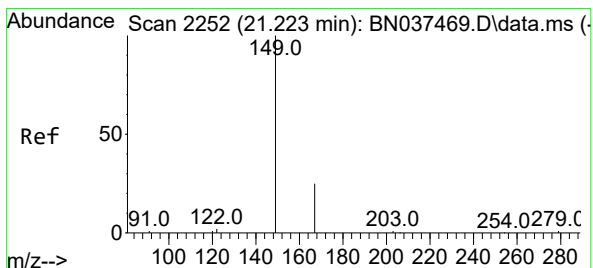
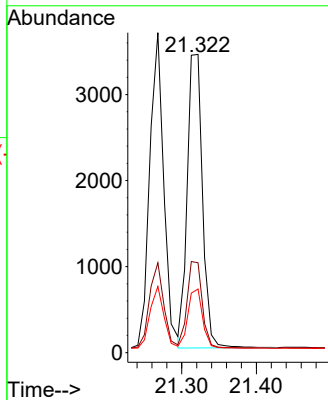


#33
Chrysene
Concen: 0.361 ng
RT: 21.322 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Instrument :
BNA_N
ClientSampleId :
PB168831BS

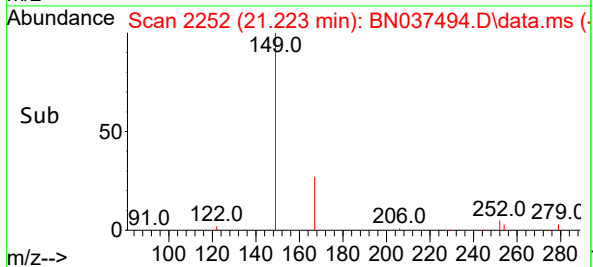
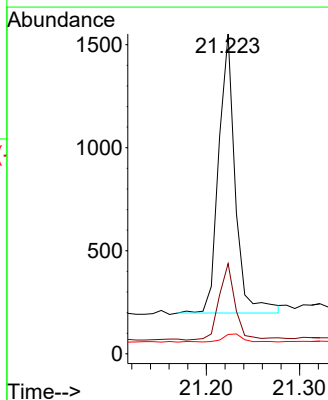
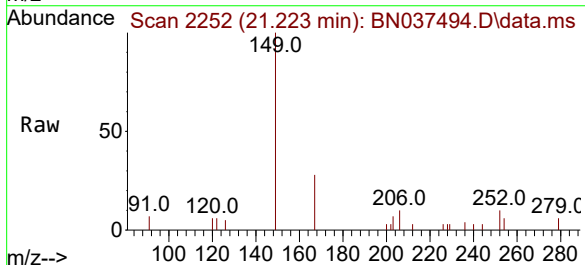


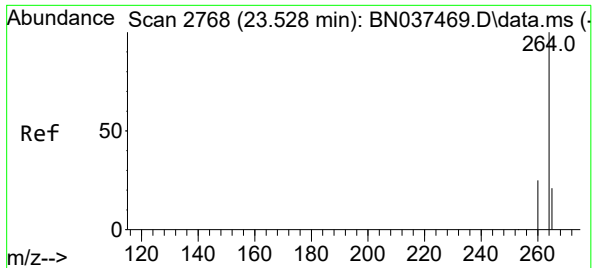
Tgt Ion:228 Resp: 4854
Ion Ratio Lower Upper
228 100
226 30.1 24.6 36.8
229 21.3 16.4 24.6



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.400 ng
RT: 21.223 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

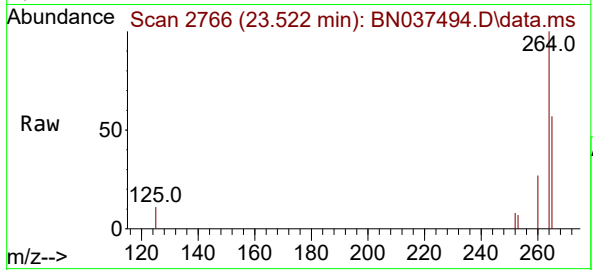
Tgt Ion:149 Resp: 1671
Ion Ratio Lower Upper
149 100
167 27.2 19.4 29.2
279 3.8 2.5 3.7#



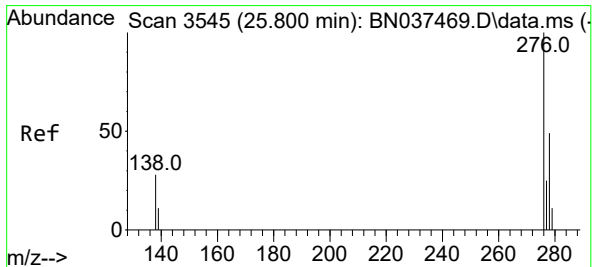
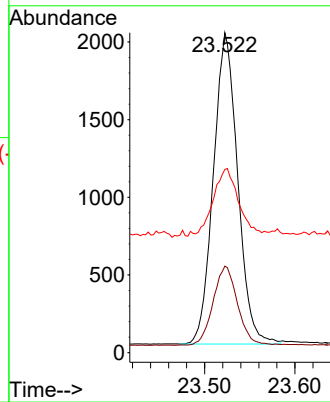
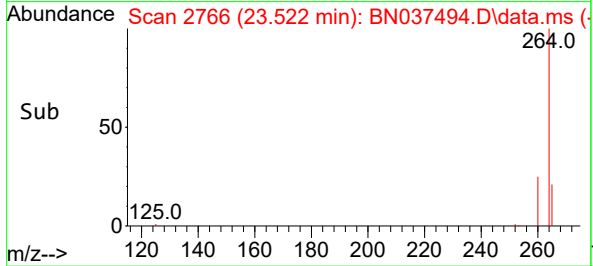


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Instrument :
BNA_N
ClientSampleId :
PB168831BS

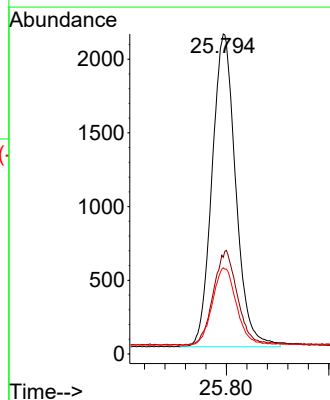
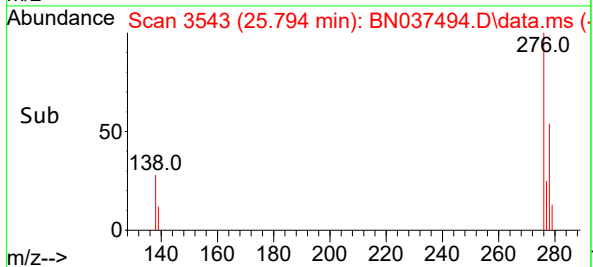
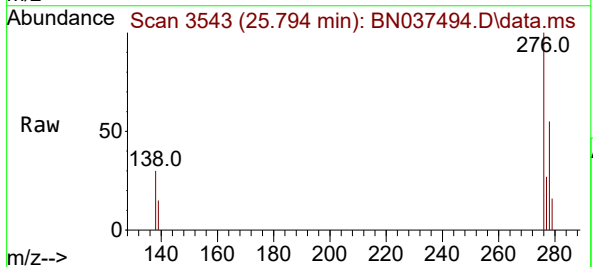


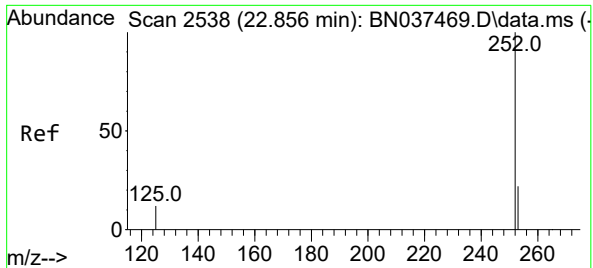
Tgt Ion:264 Resp: 3754
Ion Ratio Lower Upper
264 100
260 27.0 21.7 32.5
265 57.2 41.6 62.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.468 ng
RT: 25.794 min Scan# 3543
Delta R.T. -0.006 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

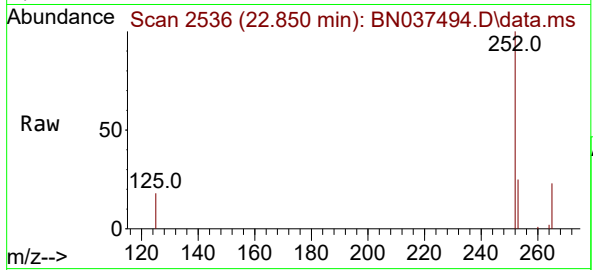
Tgt Ion:276 Resp: 6815
Ion Ratio Lower Upper
276 100
138 30.6 23.4 35.2
277 25.2 19.8 29.8



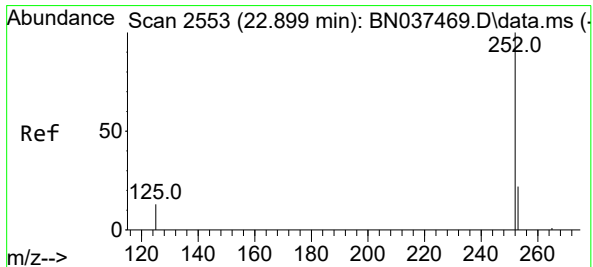
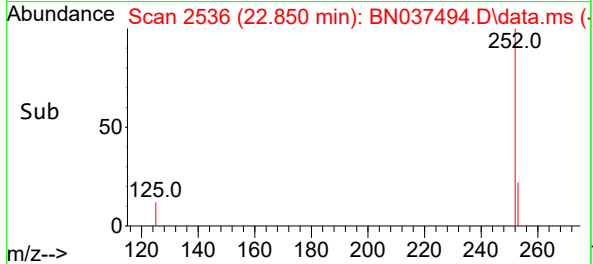
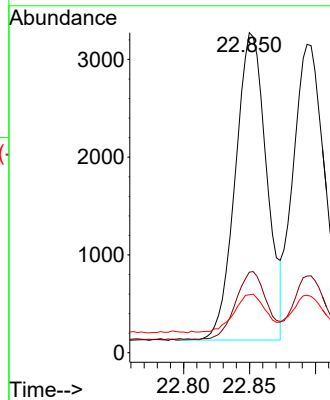


#37
Benzo(b)fluoranthene
Concen: 0.355 ng
RT: 22.850 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Instrument :
BNA_N
ClientSampleId :
PB168831BS

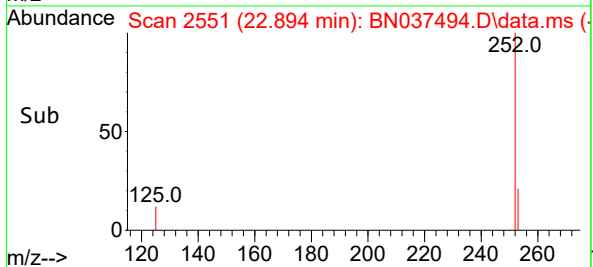
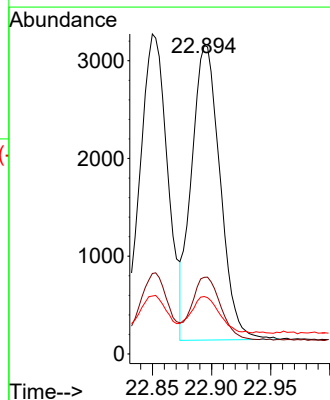
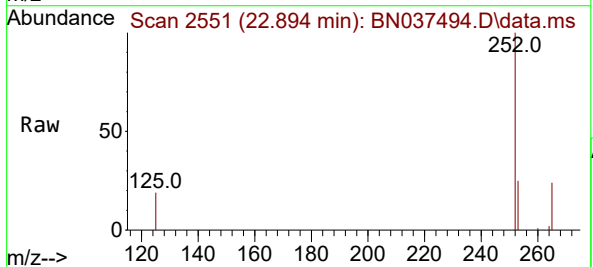


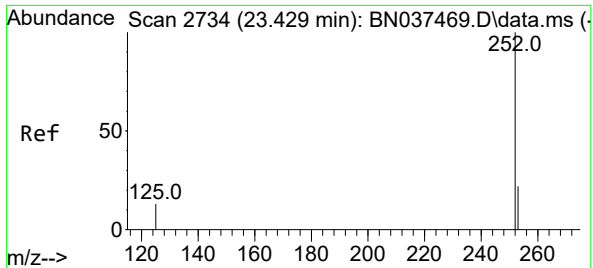
Tgt Ion:252 Resp: 5180
Ion Ratio Lower Upper
252 100
253 25.2 20.1 30.1
125 18.1 13.7 20.5



#38
Benzo(k)fluoranthene
Concen: 0.342 ng
RT: 22.894 min Scan# 2551
Delta R.T. -0.006 min
Lab File: BN037494.D
Acq: 14 Jul 2025 16:47

Tgt Ion:252 Resp: 5062
Ion Ratio Lower Upper
252 100
253 24.9 20.4 30.6
125 18.6 14.6 21.8





#39

Benzo(a)pyrene

Concen: 0.406 ng

RT: 23.426 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037494.D

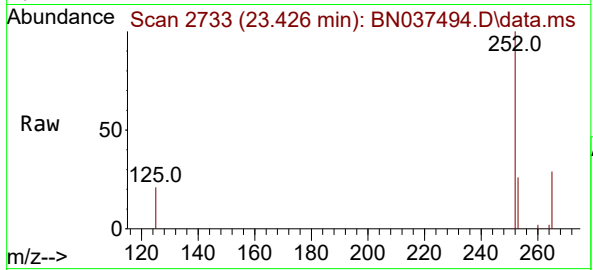
Acq: 14 Jul 2025 16:47

Instrument :

BNA_N

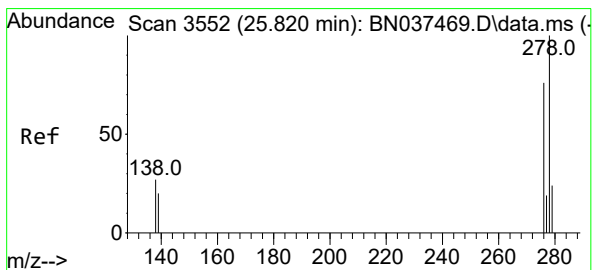
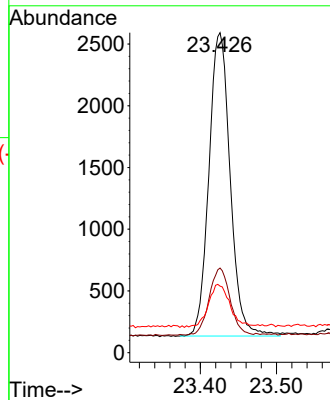
ClientSampleId :

PB168831BS



Tgt Ion:252 Resp: 4768

Ion	Ratio	Lower	Upper
252	100		
253	26.4	21.8	32.6
125	20.8	16.7	25.1



#40

Dibenzo(a,h)anthracene

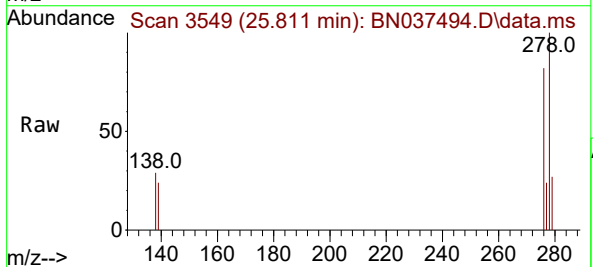
Concen: 0.457 ng

RT: 25.811 min Scan# 3549

Delta R.T. -0.009 min

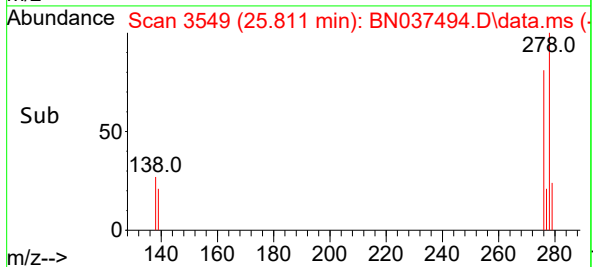
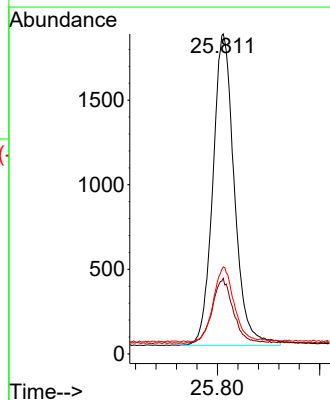
Lab File: BN037494.D

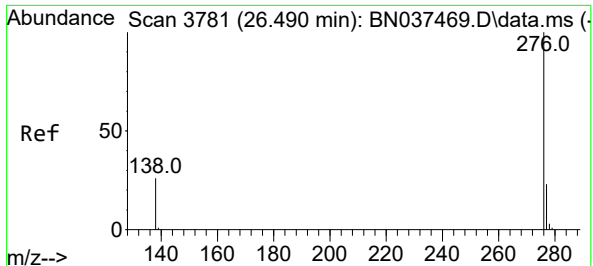
Acq: 14 Jul 2025 16:47



Tgt Ion:278 Resp: 5367

Ion	Ratio	Lower	Upper
278	100		
139	23.6	19.9	29.9
279	27.2	24.8	37.2





#41

Benzo(g,h,i)perylene

Concen: 0.448 ng

RT: 26.484 min Scan# 31

Delta R.T. -0.006 min

Lab File: BN037494.D

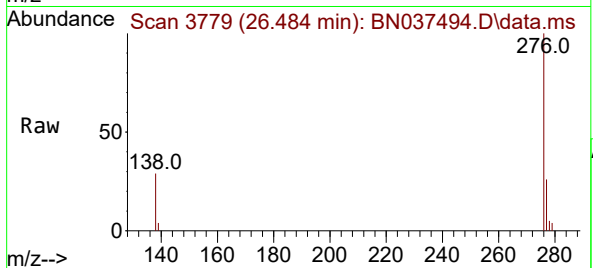
Acq: 14 Jul 2025 16:47

Instrument :

BNA_N

ClientSampleId :

PB168831BS



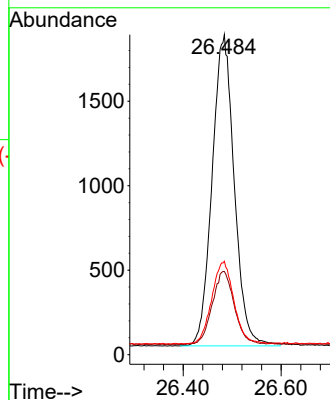
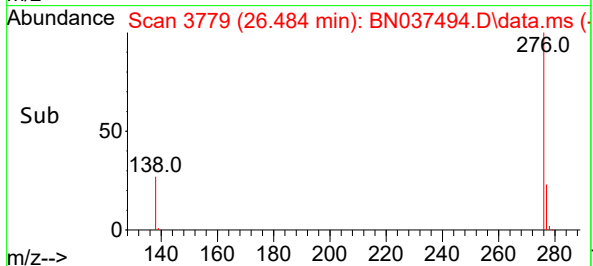
Tgt Ion:276 Resp: 5768

Ion Ratio Lower Upper

276 100

277 26.0 21.7 32.5

138 29.2 24.3 36.5



Report of Analysis

Client:	ENTACT	Date Collected:	07/10/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	07/10/25
Client Sample ID:	WC-URBAN-FILL-B2MS	SDG No.:	Q2580
Lab Sample ID:	Q2580-02MS	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	94.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037491.D	10	07/14/25 09:20	07/14/25 14:57	PB168831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.88		0.012	0.035	mg/Kg
91-57-6	2-Methylnaphthalene	0.25		0.013	0.035	mg/Kg
208-96-8	Acenaphthylene	0.36		0.011	0.035	mg/Kg
83-32-9	Acenaphthene	0.79		0.012	0.035	mg/Kg
86-73-7	Fluorene	0.73		0.012	0.035	mg/Kg
85-01-8	Phenanthrene	5.40	E	0.012	0.035	mg/Kg
120-12-7	Anthracene	1.70		0.013	0.035	mg/Kg
206-44-0	Fluoranthene	5.30	E	0.013	0.035	mg/Kg
129-00-0	Pyrene	3.90	E	0.011	0.035	mg/Kg
56-55-3	Benzo(a)anthracene	2.40	E	0.014	0.035	mg/Kg
218-01-9	Chrysene	1.70		0.015	0.035	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.20	E	0.017	0.035	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.80		0.019	0.035	mg/Kg
50-32-8	Benzo(a)pyrene	2.10	E	0.015	0.035	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.10		0.019	0.035	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.34		0.019	0.035	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.50		0.018	0.035	mg/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.31		30 (17) - 150 (161)	77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (23) - 150 (138)	85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (33) - 130 (121)	88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.25		30 (32) - 130 (121)	63%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		30 (21) - 130 (130)	97%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2100	7.731			
1146-65-2	Naphthalene-d8	5430	10.509			
15067-26-2	Acenaphthene-d10	2750	14.355			
1517-22-2	Phenanthrene-d10	5040	17.099			
1719-03-5	Chrysene-d12	5060	21.286			

Report of Analysis

Client:	ENTACT	Date Collected:	07/10/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	07/10/25
Client Sample ID:	WC-URBAN-FILL-B2MS	SDG No.:	Q2580
Lab Sample ID:	Q2580-02MS	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	94.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037491.D	10	07/14/25 09:20	07/14/25 14:57	PB168831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	5430	23.525			

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\BN071425\
 Data File : BN037491.D
 Acq On : 14 Jul 2025 14:57
 Operator : RC/JU
 Sample : Q2580-02MS 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 WC-URBAN-FILL-B2MS

Quant Time: Jul 14 15:24:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:38:34 2025
 Response via : Initial Calibration

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

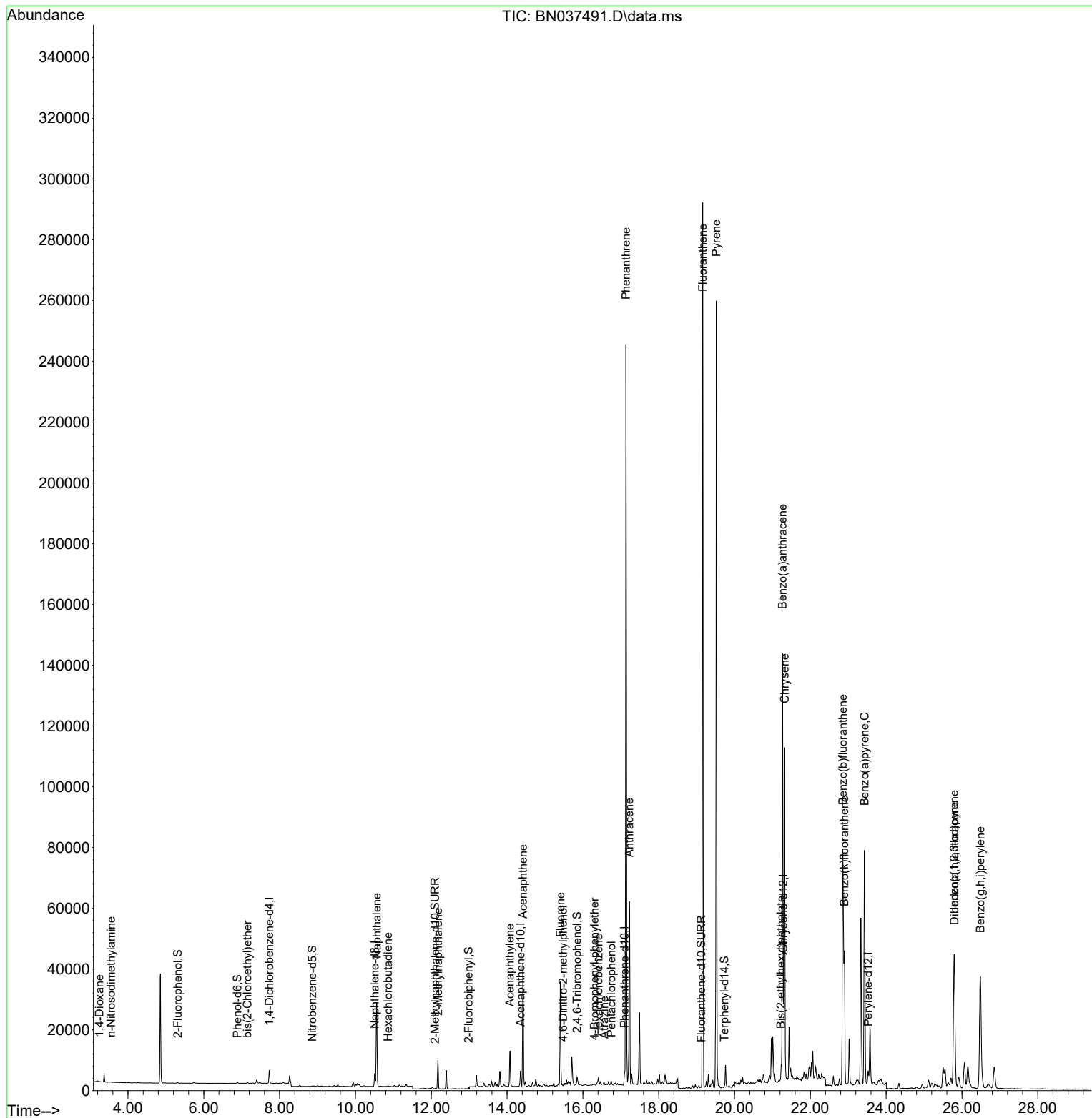
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.731	152	2103	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	5429	0.400	ng	# 0.00
13) Acenaphthene-d10	14.355	164	2752	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	5044	0.400	ng	0.00
29) Chrysene-d12	21.286	240	5060	0.400	ng	0.00
35) Perylene-d12	23.525	264	5425	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	191	0.039	ng	0.00
5) Phenol-d6	6.886	99	248	0.040	ng	0.00
8) Nitrobenzene-d5	8.864	82	138	0.035	ng	0.00
11) 2-Methylnaphthalene-d10	12.101	152	232m	0.031	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	42	0.045	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	397	0.025	ng	0.00
27) Fluoranthene-d10	19.127	212	437m	0.034	ng	0.00
31) Terphenyl-d14	19.731	244	412	0.039	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.246	88	98	0.050	ng	# 61
3) n-Nitrosodimethylamine	3.550	42	97	0.037	ng	# 71
6) bis(2-Chloroethyl)ether	7.154	93	237	0.046	ng	88
9) Naphthalene	10.562	128	36384	2.494	ng	96
10) Hexachlorobutadiene	10.861	225	139	0.040	ng	# 92
12) 2-Methylnaphthalene	12.177	142	6457	0.707	ng	99
16) Acenaphthylene	14.077	152	12772	1.018	ng	100
17) Acenaphthene	14.419	154	18827	2.236	ng	95
18) Fluorene	15.403	166	21972	2.077	ng	97
20) 4,6-Dinitro-2-methylph...	15.478	198	26	0.046	ng	# 18
21) 4-Bromophenyl-phenylether	16.304	248	140	0.044	ng	# 86
22) Hexachlorobenzene	16.416	284	174	0.040	ng	92
23) Atrazine	16.565	200	95	0.061	ng	# 73
24) Pentachlorophenol	16.751	266	160	0.107	ng	93
25) Phenanthrene	17.136	178	237746	15.480	ng	100
26) Anthracene	17.223	178	67470m	4.868	ng	
28) Fluoranthene	19.159	202	253333	15.031	ng	99
30) Pyrene	19.522	202	227684	11.192	ng	# 95
32) Benzo(a)anthracene	21.268	228	116895	6.822	ng	98
33) Chrysene	21.322	228	91885	4.906	ng	98
34) Bis(2-ethylhexyl)phtha...	21.223	149	844	0.145	ng	# 90
36) Indeno(1,2,3-cd)pyrene	25.794	276	68574	3.257	ng	97
37) Benzo(b)fluoranthene	22.855	252	128921m	6.111	ng	
38) Benzo(k)fluoranthene	22.896	252	48340m	2.261	ng	
39) Benzo(a)pyrene	23.428	252	102883m	6.060	ng	
40) Dibenzo(a,h)anthracene	25.802	278	16165	0.952	ng	93
41) Benzo(g,h,i)perylene	26.487	276	77227	4.151	ng	94

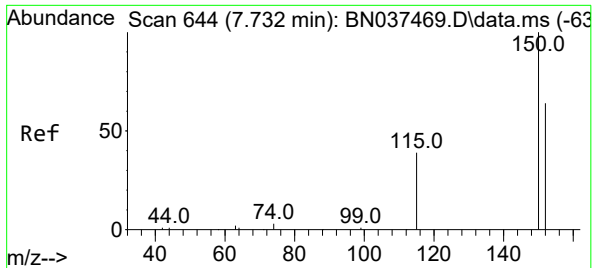
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
Data File : BN037491.D
Acq On : 14 Jul 2025 14:57
Operator : RC/JU
Sample : Q2580-02MS 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MS

Quant Time: Jul 14 15:24:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:38:34 2025
Response via : Initial Calibration

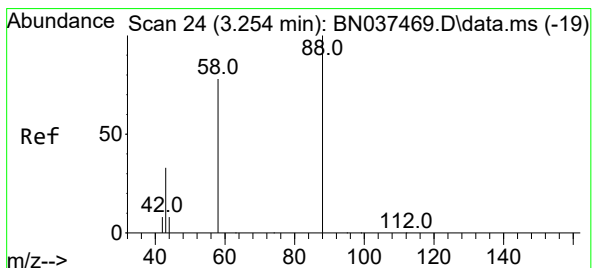
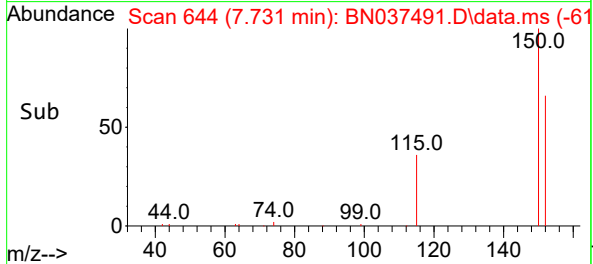
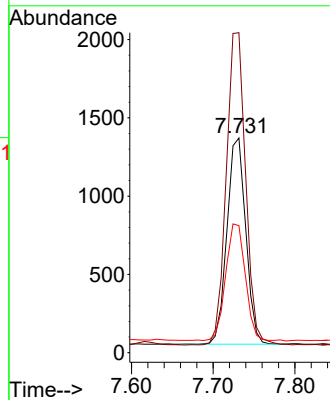
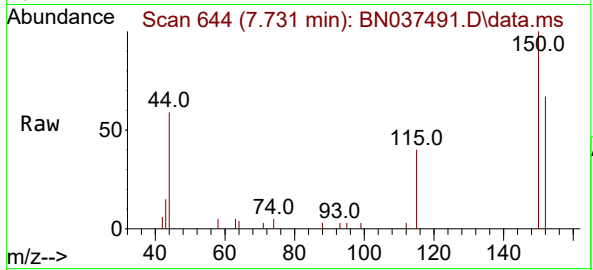




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.731 min Scan# 64
Delta R.T. -0.001 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

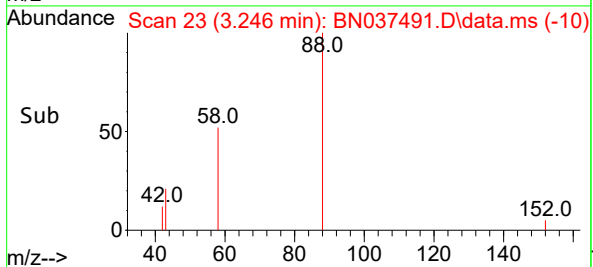
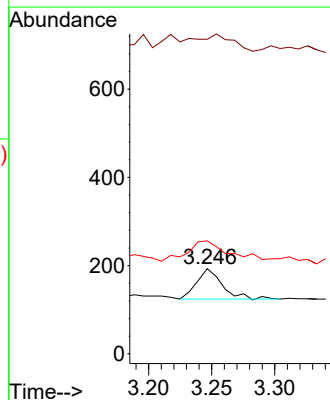
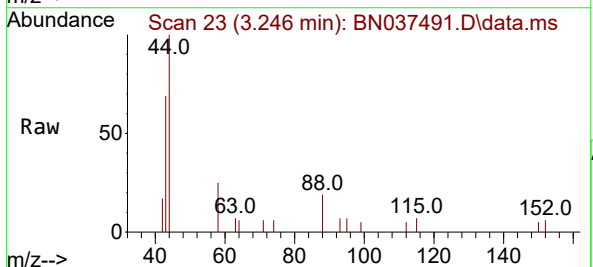
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MS

Tgt Ion:152 Resp: 2103
Ion Ratio Lower Upper
152 100
150 149.0 122.5 183.7
115 59.2 49.9 74.9

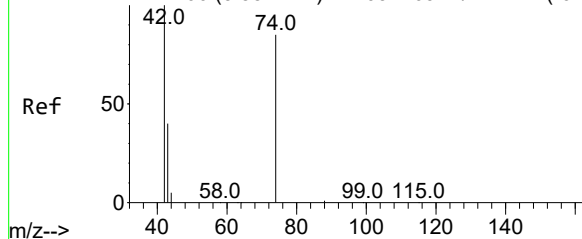


#2
1,4-Dioxane
Concen: 0.050 ng
RT: 3.246 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

Tgt Ion: 88 Resp: 98
Ion Ratio Lower Upper
88 100
43 0.0 30.7 46.1#
58 105.1 65.0 97.4#



Abundance Scan 66 (3.557 min): BN037469.D\data.ms (-61)



#3

n-Nitrosodimethylamine

Concen: 0.037 ng

RT: 3.550 min Scan# 61

Delta R.T. -0.007 min

Lab File: BN037491.D

Acq: 14 Jul 2025 14:57

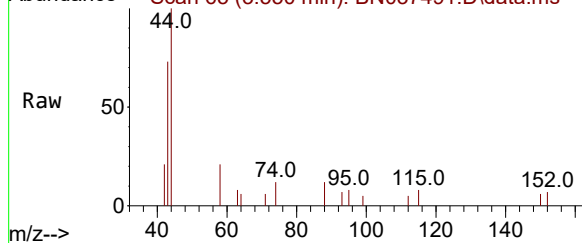
Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2MS

Abundance Scan 65 (3.550 min): BN037491.D\data.ms



Tgt Ion: 42 Resp: 97

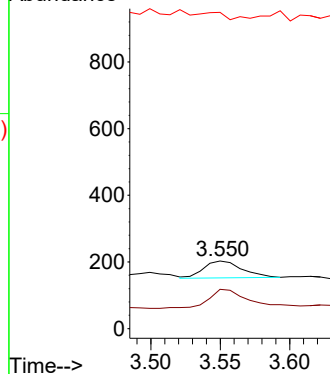
Ion Ratio Lower Upper

42 100

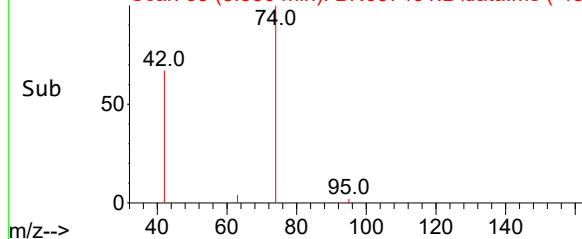
74 121.6 74.9 112.3#

44 0.0 7.2 10.8#

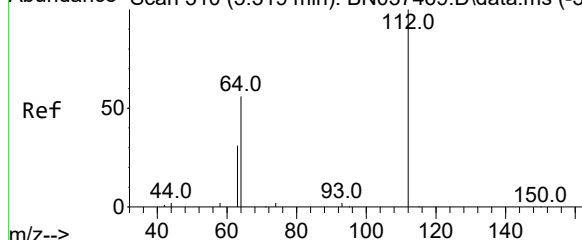
Abundance



Abundance Scan 65 (3.550 min): BN037491.D\data.ms (-45)



Abundance Scan 310 (5.319 min): BN037469.D\data.ms (-30)



#4

2-Fluorophenol

Concen: 0.039 ng

RT: 5.312 min Scan# 309

Delta R.T. -0.007 min

Lab File: BN037491.D

Acq: 14 Jul 2025 14:57

Tgt Ion: 112 Resp: 191

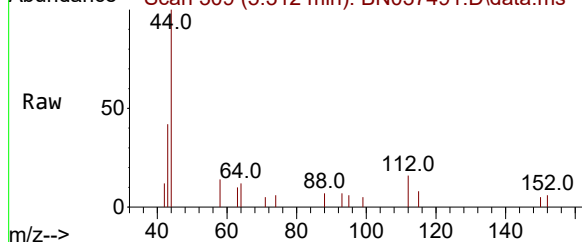
Ion Ratio Lower Upper

112 100

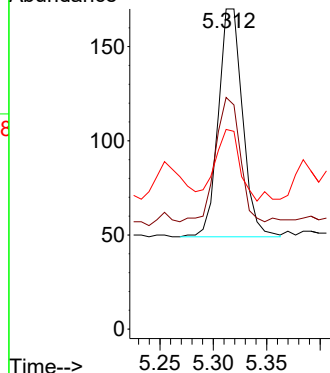
64 58.6 45.4 68.0

63 30.9 24.7 37.1

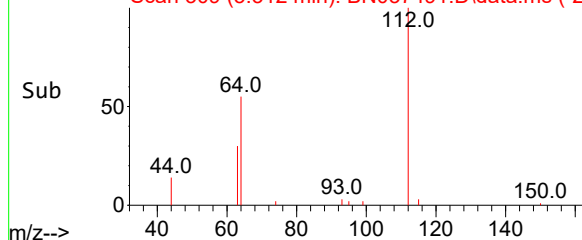
Abundance Scan 309 (5.312 min): BN037491.D\data.ms

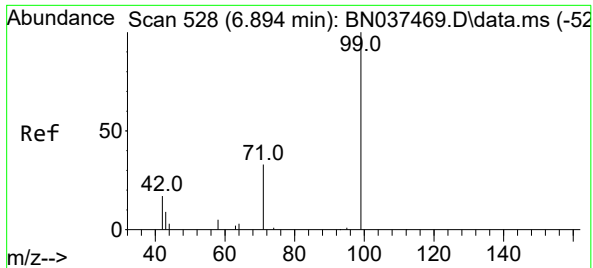


Abundance



Abundance Scan 309 (5.312 min): BN037491.D\data.ms (-28)

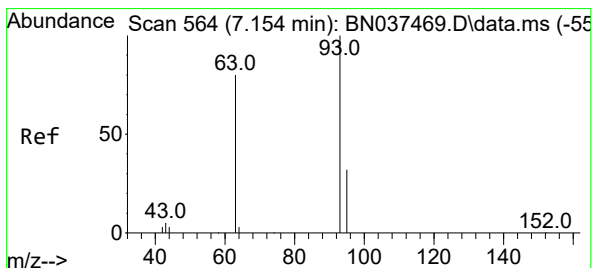
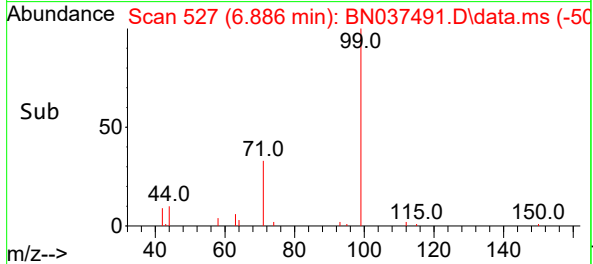
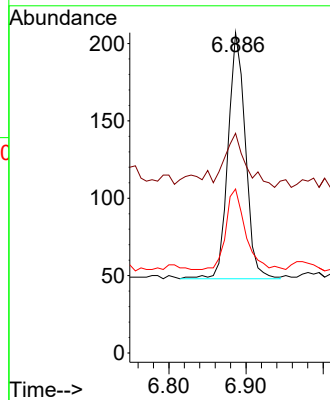
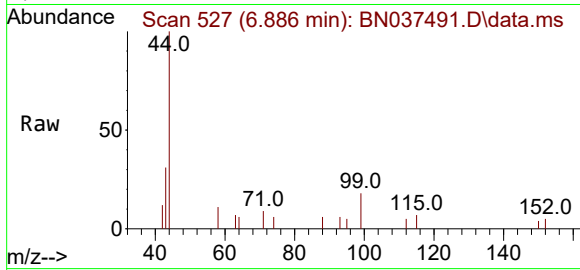




#5
Phenol-d6
Concen: 0.040 ng
RT: 6.886 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

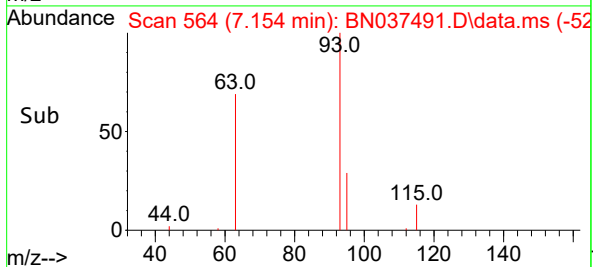
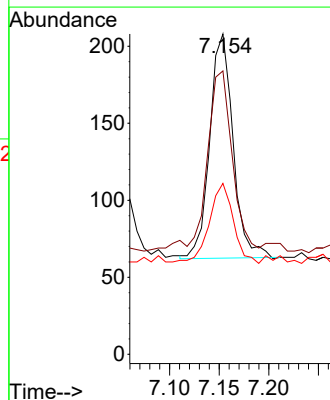
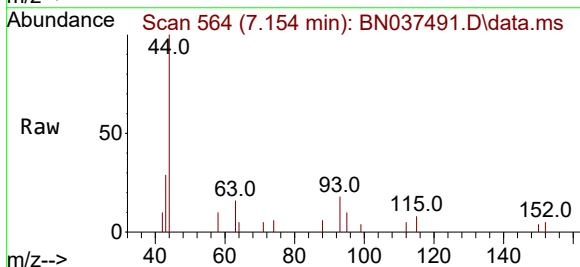
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MS

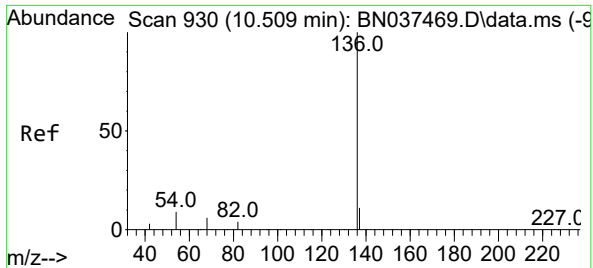
Tgt Ion	Ratio	Lower	Upper
99	100		
42	26.2	19.5	29.3
71	37.9	29.4	44.2



#6
bis(2-Chloroethyl)ether
Concen: 0.046 ng
RT: 7.154 min Scan# 564
Delta R.T. -0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

Tgt Ion	Ratio	Lower	Upper
93	100		
63	87.8	60.8	91.2
95	37.1	25.6	38.4

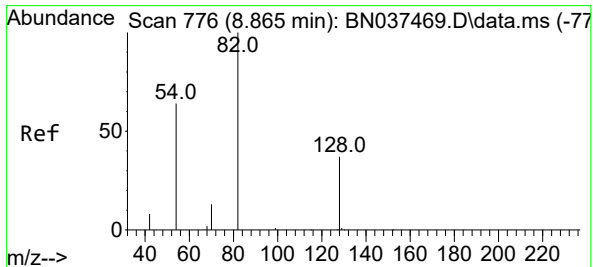
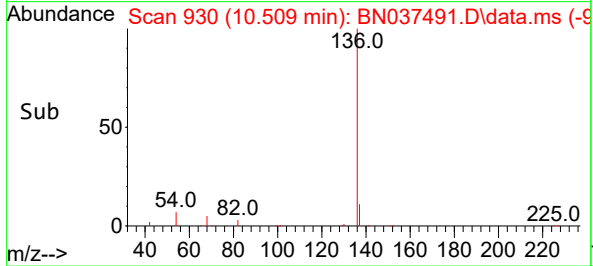
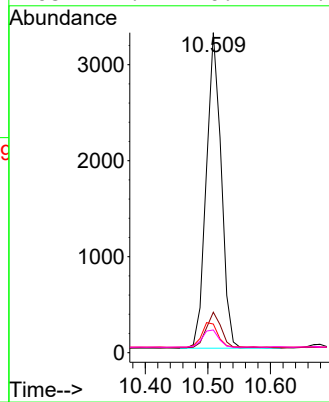
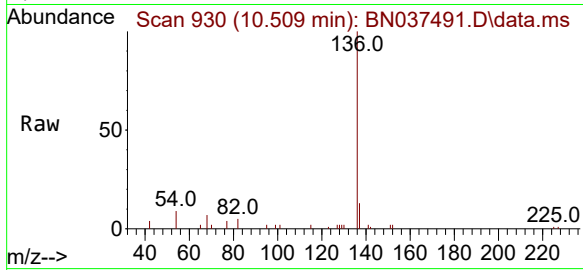




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

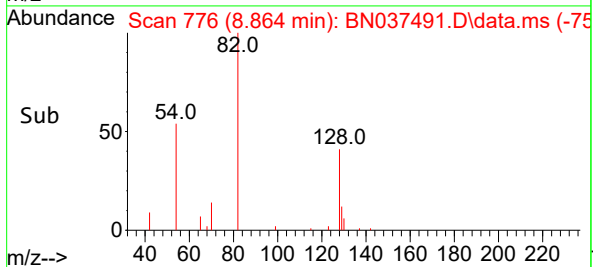
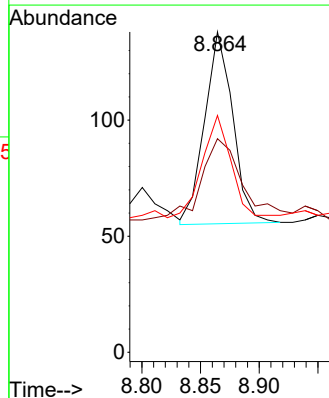
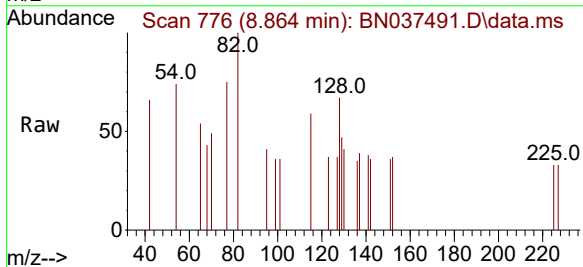
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MS

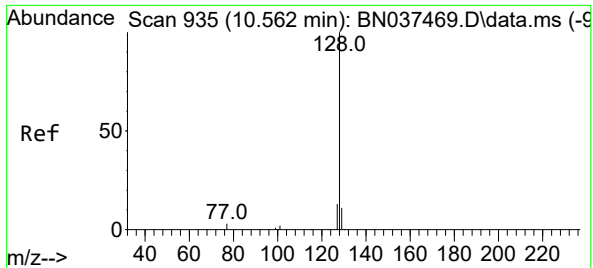
Tgt Ion:	136	Resp:	5429
Ion	Ratio	Lower	Upper
136	100		
137	12.6	10.0	15.0
54	9.0	9.0	13.6#
68	7.1	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.035 ng
RT: 8.864 min Scan# 776
Delta R.T. -0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

Tgt Ion:	82	Resp:	138
Ion	Ratio	Lower	Upper
82	100		
128	66.7	33.1	49.7#
54	73.9	53.0	79.4



#9
Naphthalene

Concen: 2.494 ng

RT: 10.562 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN037491.D

Acq: 14 Jul 2025 14:57

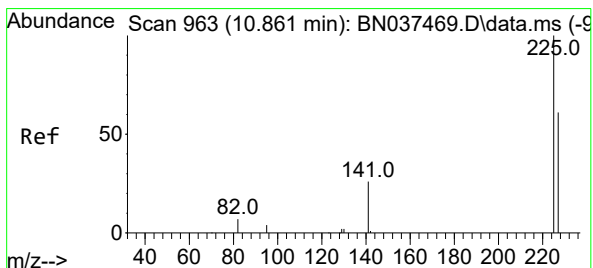
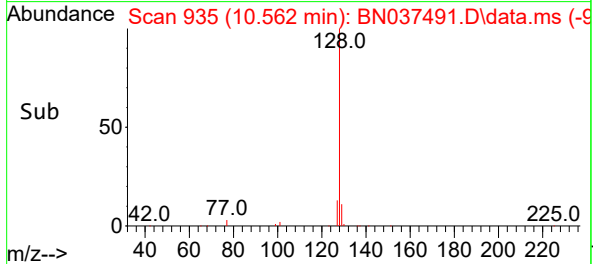
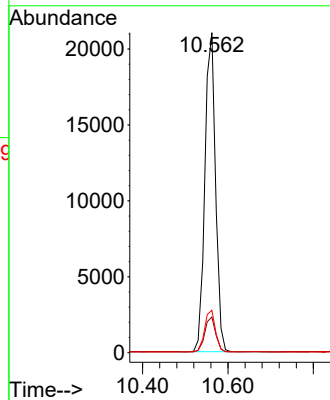
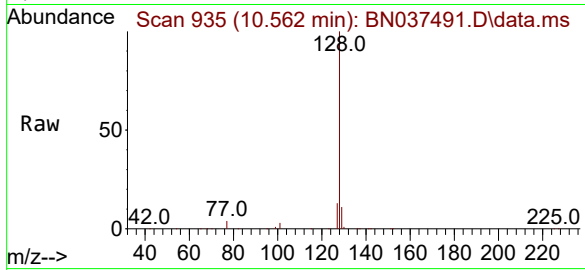
Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2MS

Tgt Ion:	128	Resp:	36384
Ion	Ratio	Lower	Upper
128	100		
129	11.1	10.2	15.2
127	13.3	11.8	17.6



#10

Hexachlorobutadiene

Concen: 0.040 ng

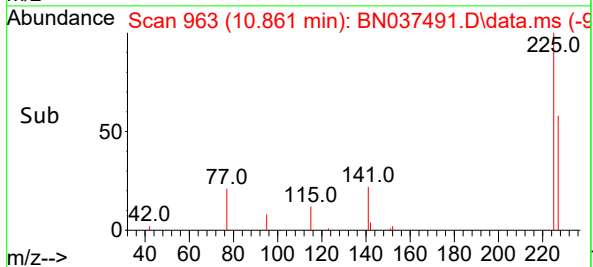
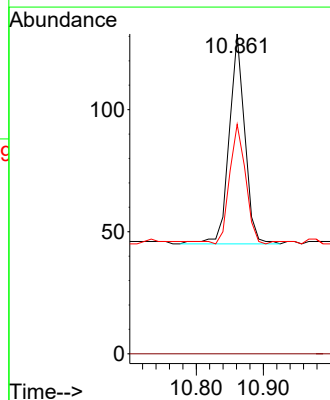
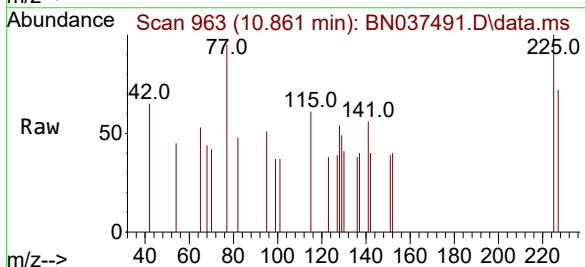
RT: 10.861 min Scan# 963

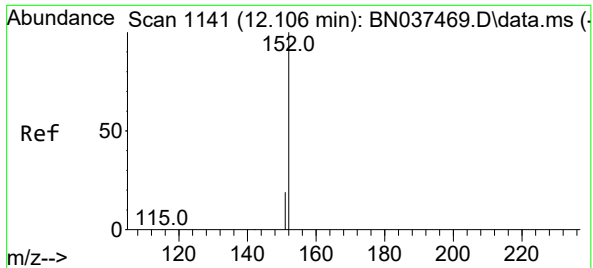
Delta R.T. -0.000 min

Lab File: BN037491.D

Acq: 14 Jul 2025 14:57

Tgt Ion:	225	Resp:	139
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	58.3	51.4	77.2

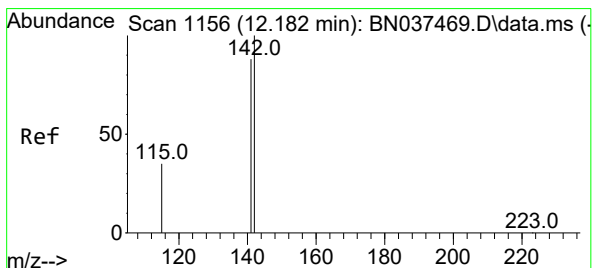
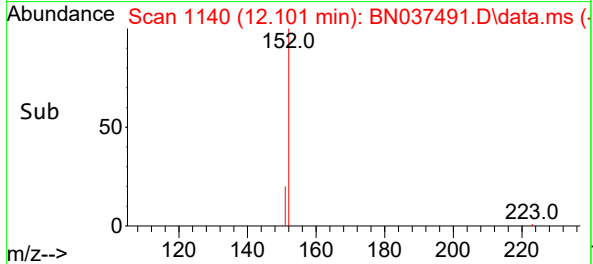
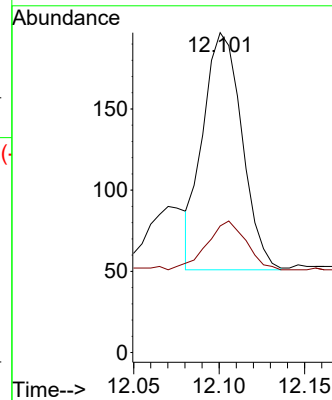
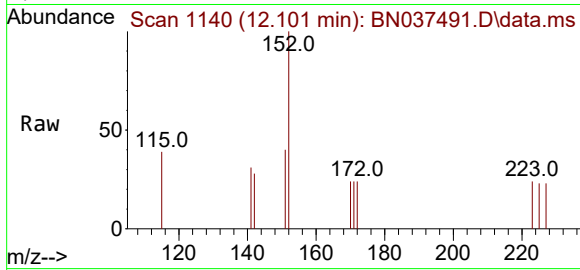




#11
2-Methylnaphthalene-d10
Concen: 0.031 ng m
RT: 12.101 min Scan# 1140
Delta R.T. -0.005 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

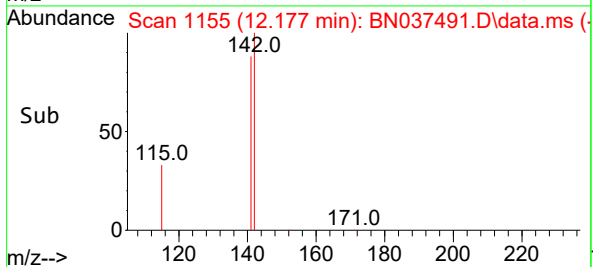
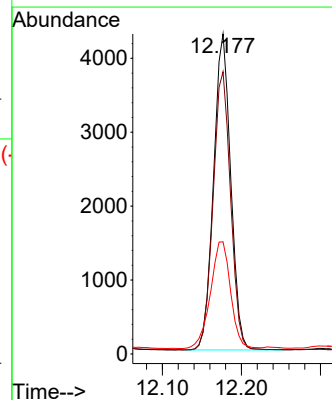
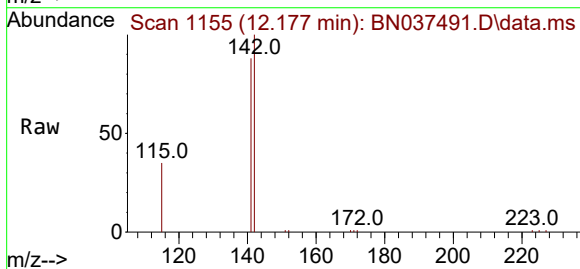
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MS

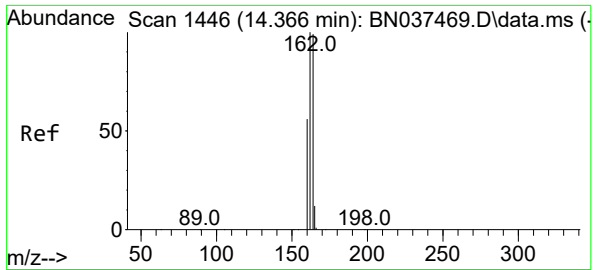
Tgt Ion:152 Resp: 232
Ion Ratio Lower Upper
152 100
151 24.6 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.707 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

Tgt Ion:142 Resp: 6457
Ion Ratio Lower Upper
142 100
141 88.2 70.6 105.8
115 35.0 30.0 45.0

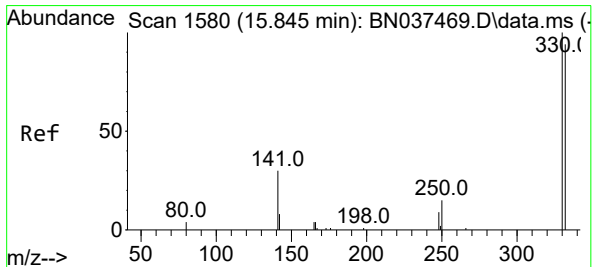
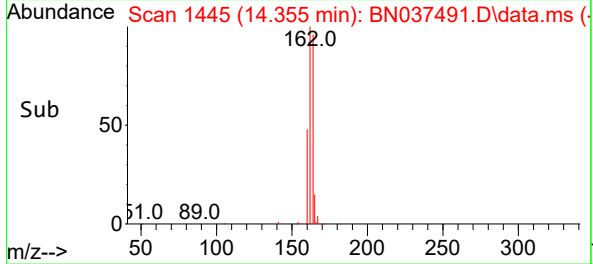
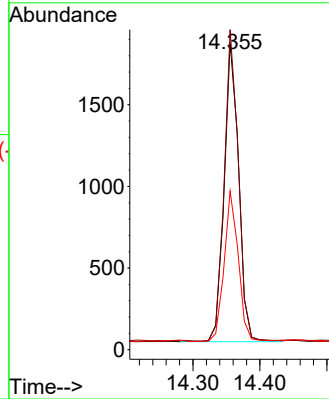
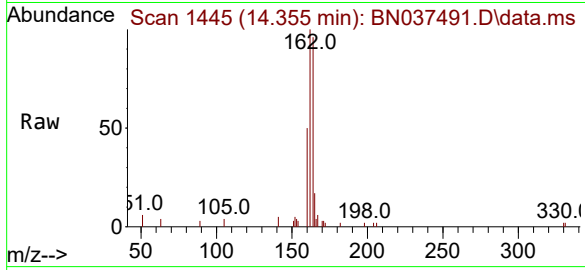




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.355 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

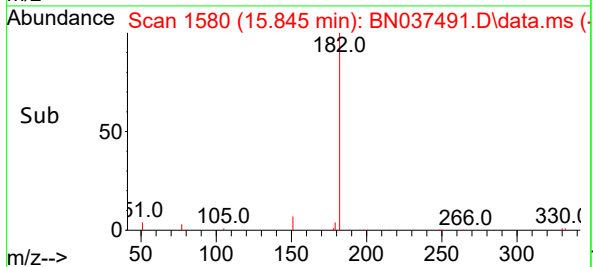
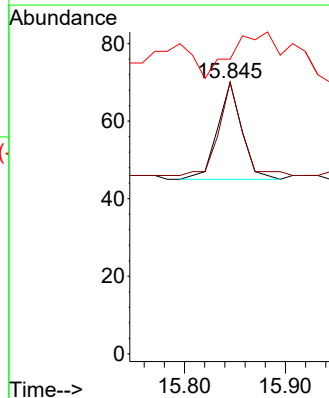
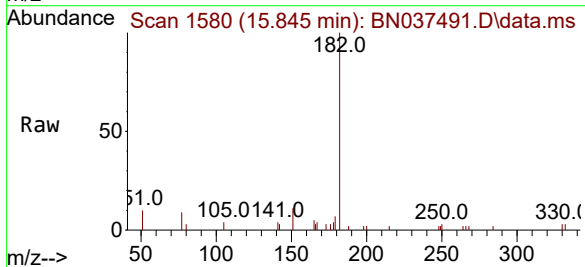
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MS

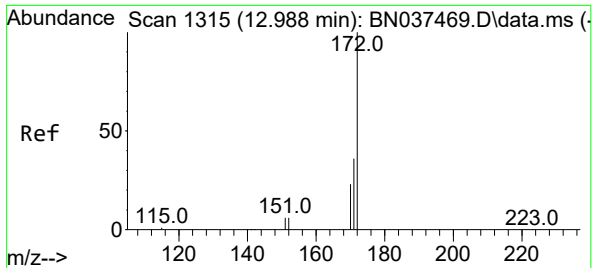
Tgt Ion:164 Resp: 2752
Ion Ratio Lower Upper
164 100
162 104.2 81.1 121.7
160 51.6 46.5 69.7



#14
2,4,6-Tribromophenol
Concen: 0.045 ng
RT: 15.845 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

Tgt Ion:330 Resp: 42
Ion Ratio Lower Upper
330 100
332 107.1 82.0 123.0
141 0.0 36.2 54.2#

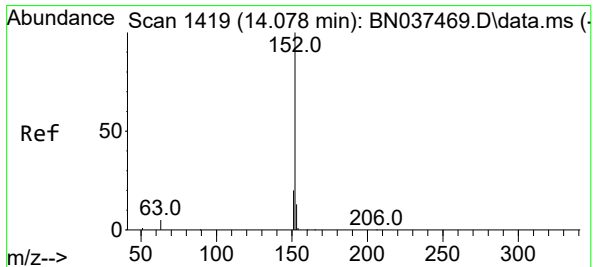
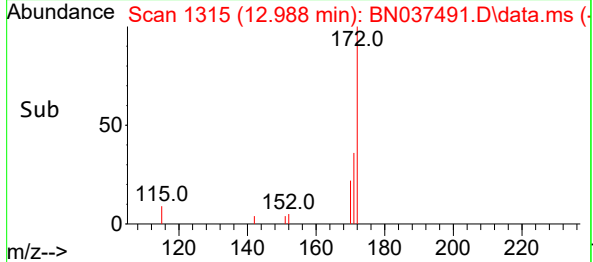
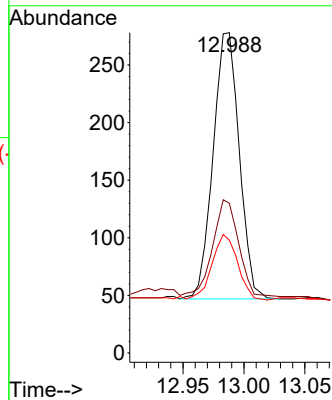
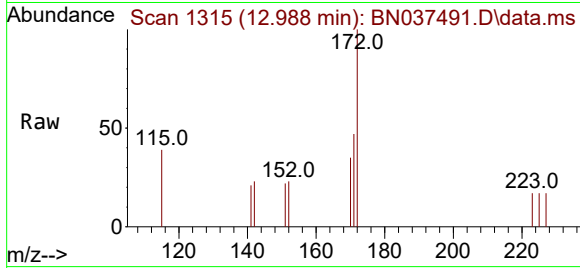




#15
2-Fluorobiphenyl
Concen: 0.025 ng
RT: 12.988 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

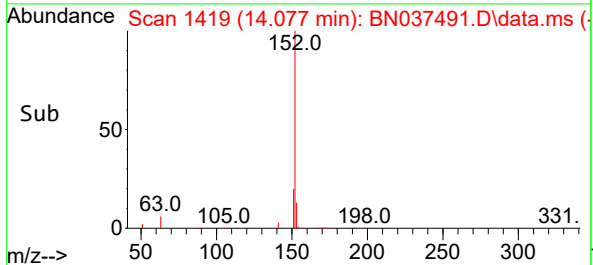
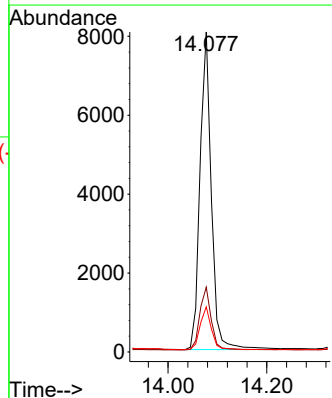
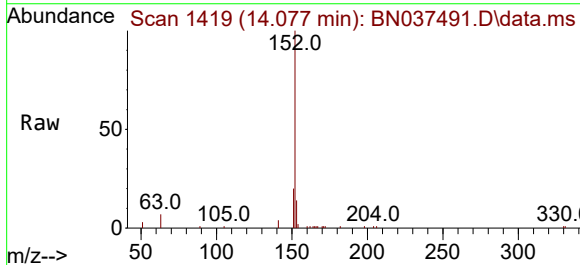
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MS

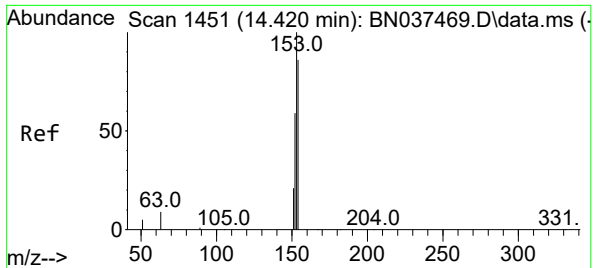
Tgt Ion	Ratio	Lower	Upper
172	100		
171	46.8	29.8	44.8#
170	35.3	20.0	30.0#



#16
Acenaphthylene
Concen: 1.018 ng
RT: 14.077 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	13.4	10.6	15.8

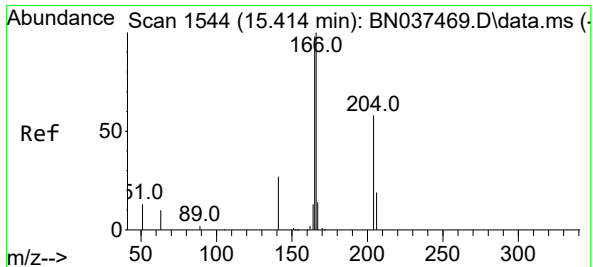
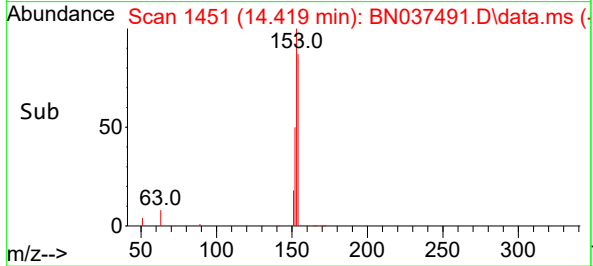
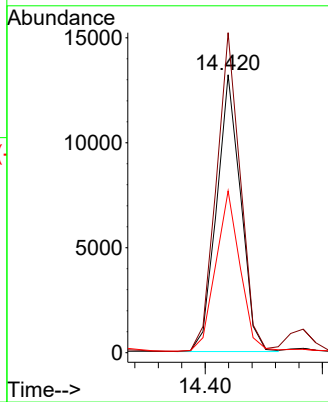
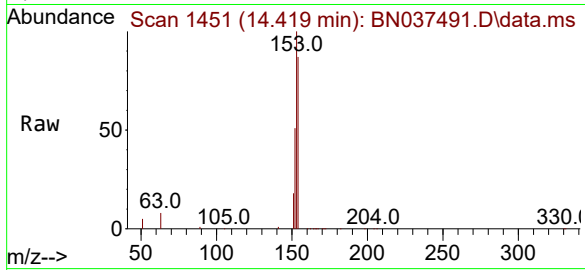




#17
Acenaphthene
Concen: 2.236 ng
RT: 14.419 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

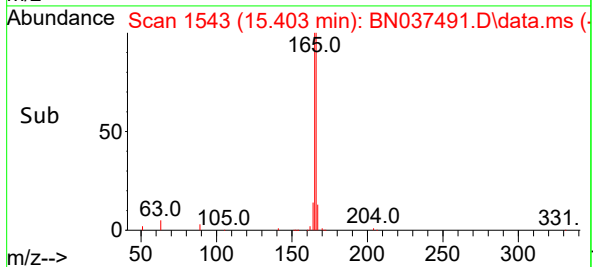
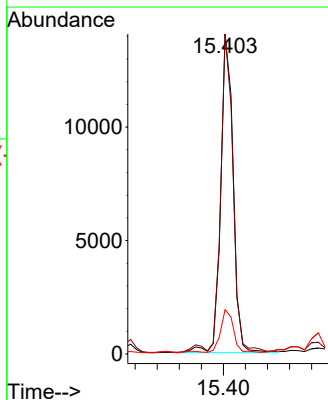
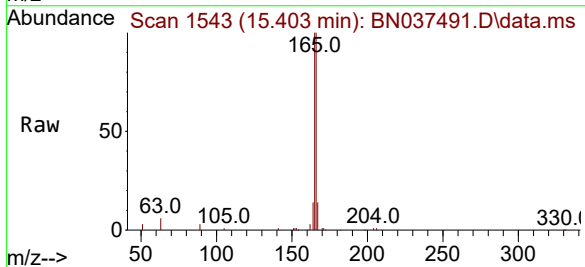
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MS

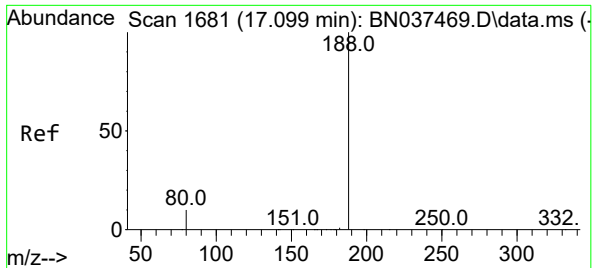
Tgt Ion:154 Resp: 18827
Ion Ratio Lower Upper
154 100
153 114.6 89.4 134.0
152 59.1 53.2 79.8



#18
Fluorene
Concen: 2.077 ng
RT: 15.403 min Scan# 1543
Delta R.T. -0.011 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

Tgt Ion:166 Resp: 21972
Ion Ratio Lower Upper
166 100
165 96.5 79.4 119.2
167 13.7 10.6 15.8

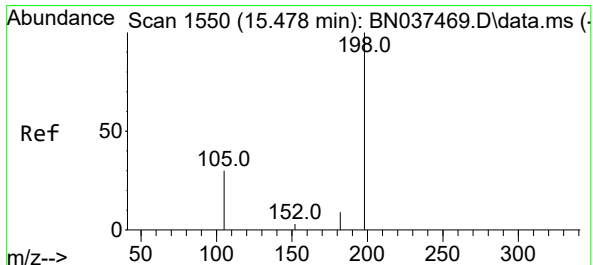
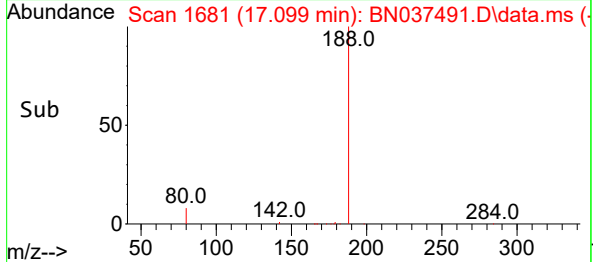
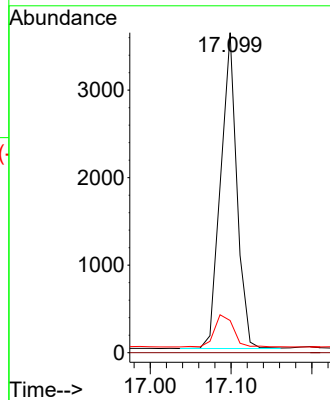
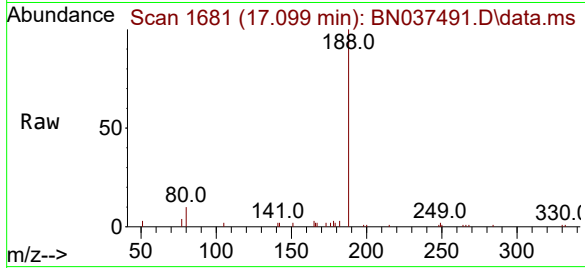




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1681
Delta R.T. -0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

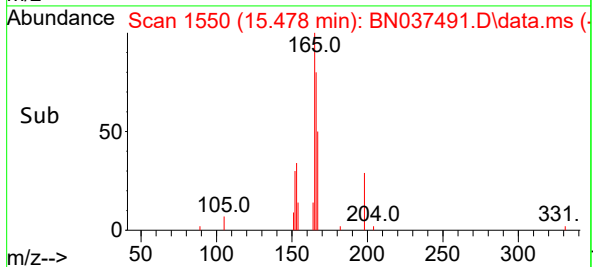
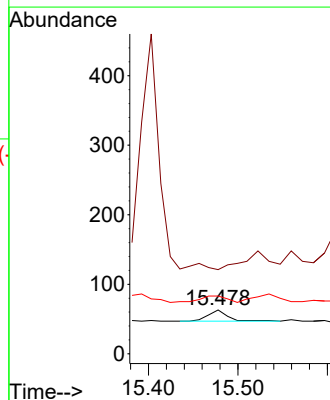
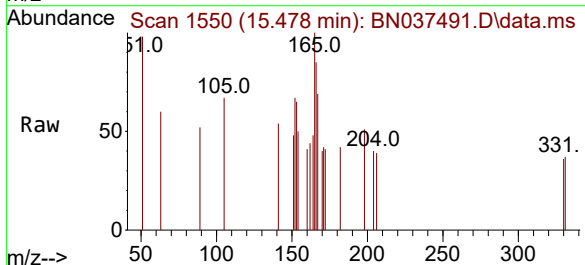
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MS

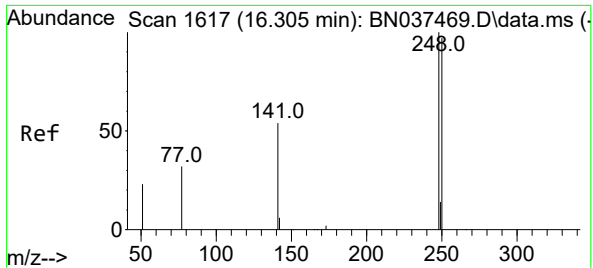
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.1	9.3	13.9



#20
4,6-Dinitro-2-methylphenol
Concen: 0.046 ng
RT: 15.478 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

Tgt Ion	Ratio	Lower	Upper
198	100		
51	192.1	86.0	129.0#
105	131.7	53.0	79.4#

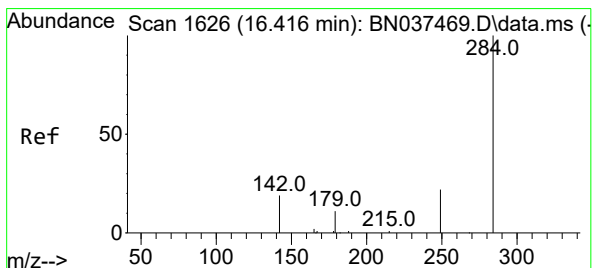
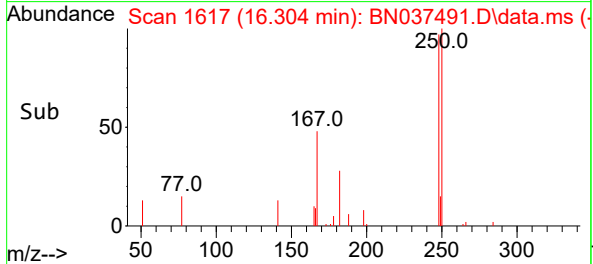
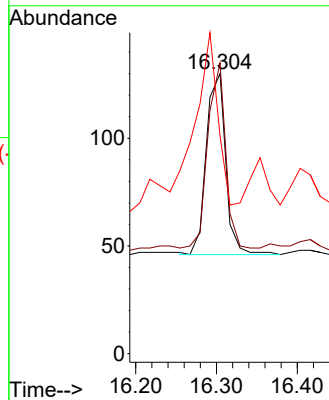
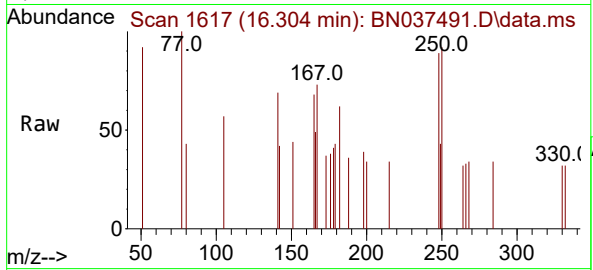




#21
4-Bromophenyl-phenylether
Concen: 0.044 ng
RT: 16.304 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

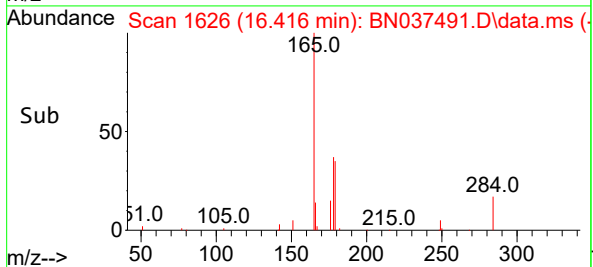
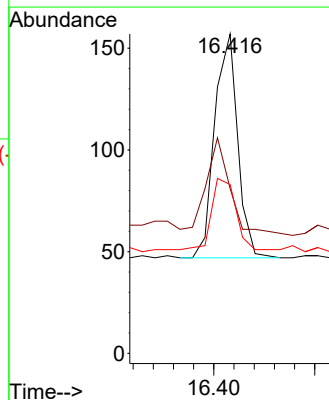
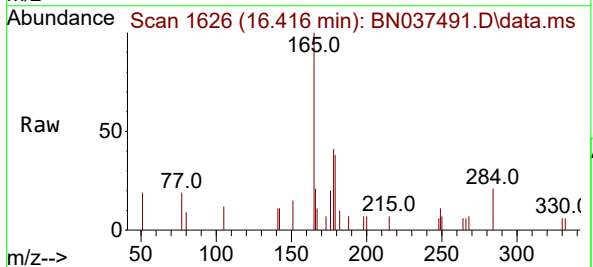
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MS

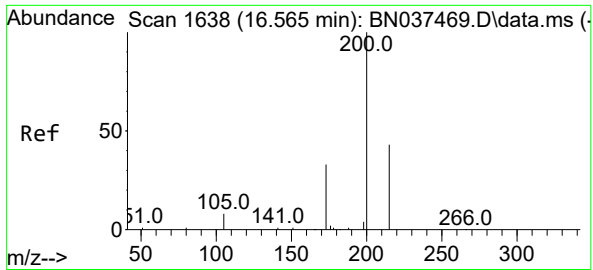
Tgt Ion	Ratio	Lower	Upper
248	100		
250	103.8	77.8	116.6
141	77.7	45.9	68.9



#22
Hexachlorobenzene
Concen: 0.040 ng
RT: 16.416 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

Tgt Ion	Ratio	Lower	Upper
284	100		
142	46.0	31.3	46.9
249	36.2	26.6	40.0

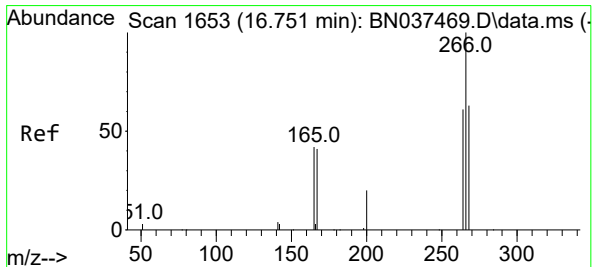
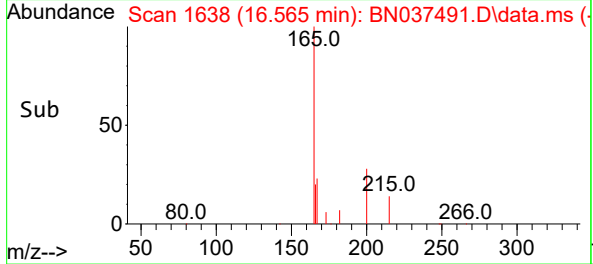
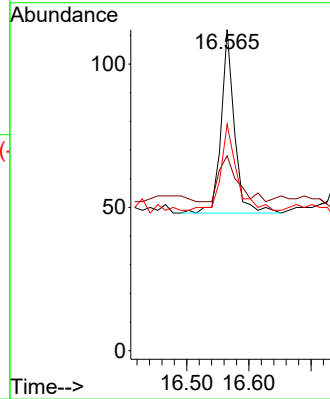
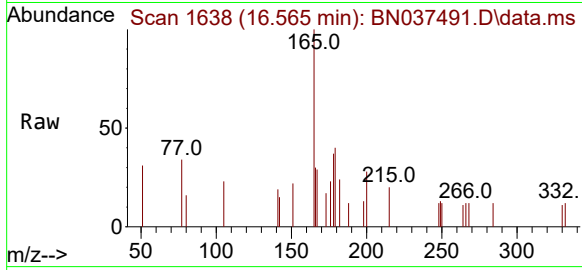




#23
Atrazine
Concen: 0.061 ng
RT: 16.565 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

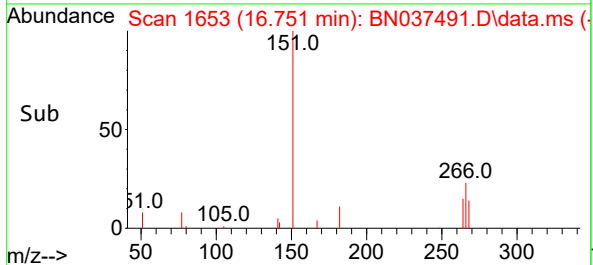
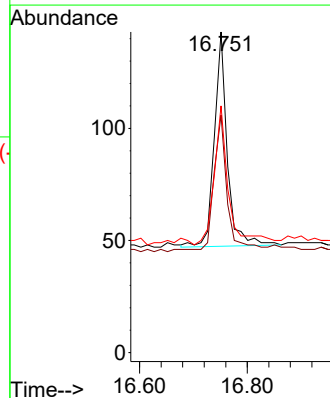
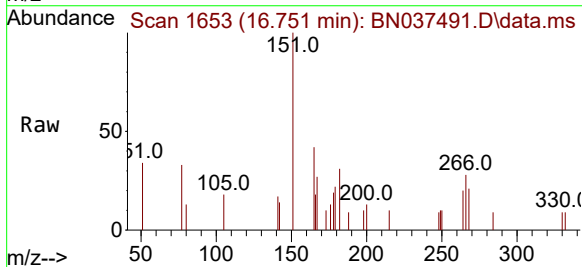
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MS

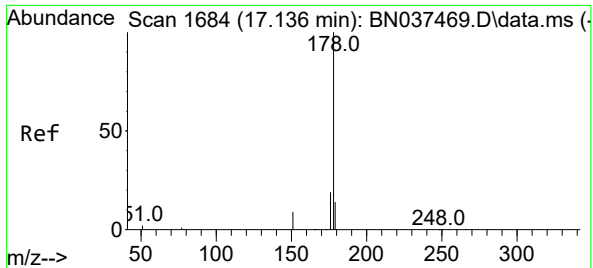
Tgt Ion:200 Resp: 95
Ion Ratio Lower Upper
200 100
173 60.7 34.3 51.5#
215 70.5 41.6 62.4#



#24
Pentachlorophenol
Concen: 0.107 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

Tgt Ion:266 Resp: 160
Ion Ratio Lower Upper
266 100
264 61.3 47.5 71.3
268 72.5 50.6 76.0

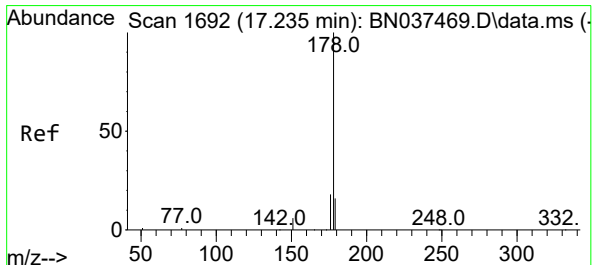
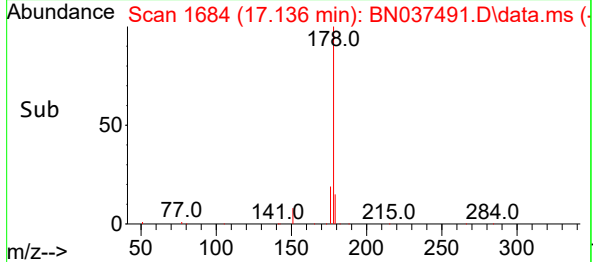
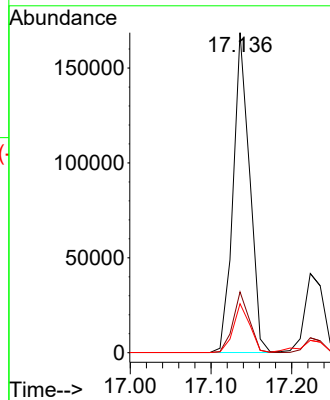
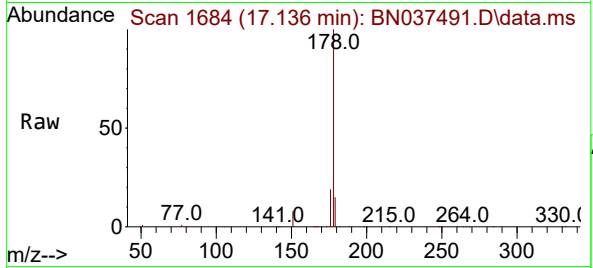




#25
Phenanthrene
Concen: 15.480 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

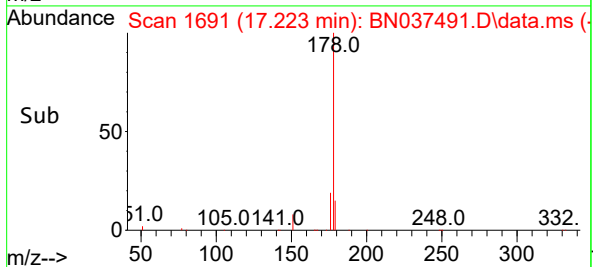
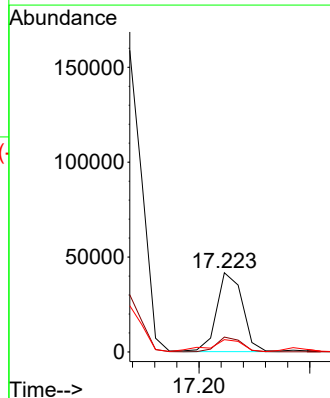
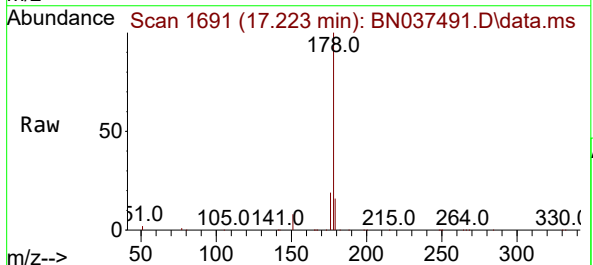
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MS

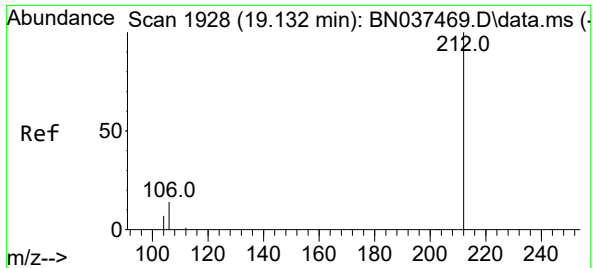
Tgt Ion:178 Resp: 237746
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.4 12.2 18.2



#26
Anthracene
Concen: 4.868 ng m
RT: 17.223 min Scan# 1691
Delta R.T. -0.013 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

Tgt Ion:178 Resp: 67470
Ion Ratio Lower Upper
178 100
176 66.2 14.9 22.3#
179 54.1 12.3 18.5#





#27

Fluoranthene-d10

Concen: 0.034 ng m

RT: 19.127 min Scan# 1928

Delta R.T. -0.005 min

Lab File: BN037491.D

Acq: 14 Jul 2025 14:57

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2MS

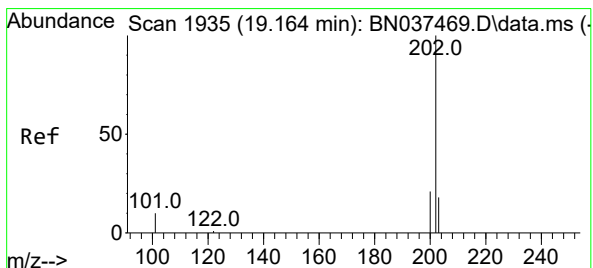
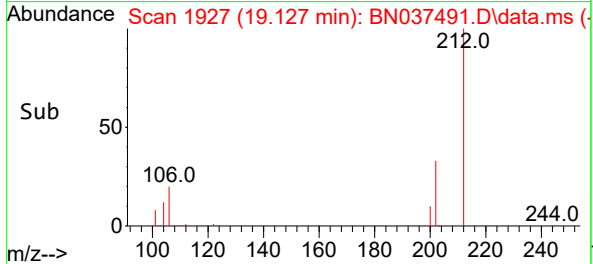
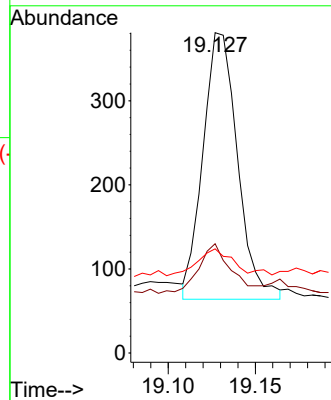
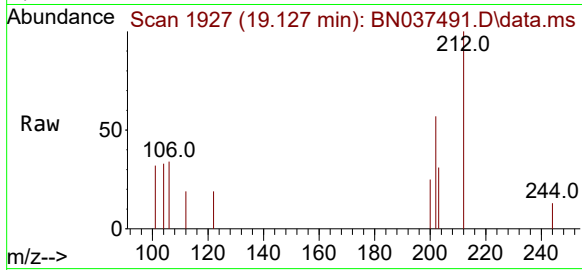
Tgt Ion:212 Resp: 437

Ion Ratio Lower Upper

212 100

106 3.2 11.7 17.5#

104 2.3 6.6 10.0#



#28

Fluoranthene

Concen: 15.031 ng

RT: 19.159 min Scan# 1934

Delta R.T. -0.005 min

Lab File: BN037491.D

Acq: 14 Jul 2025 14:57

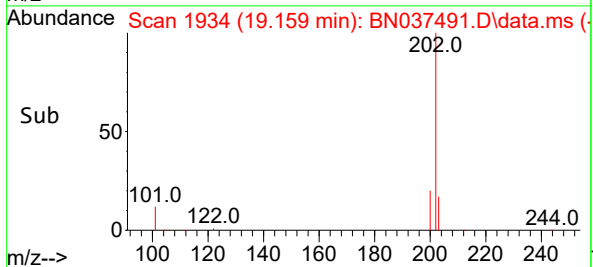
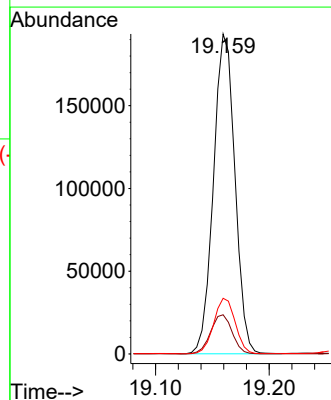
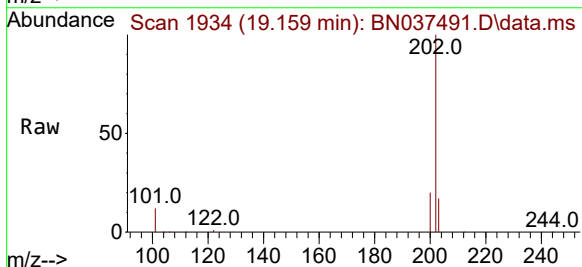
Tgt Ion:202 Resp: 253333

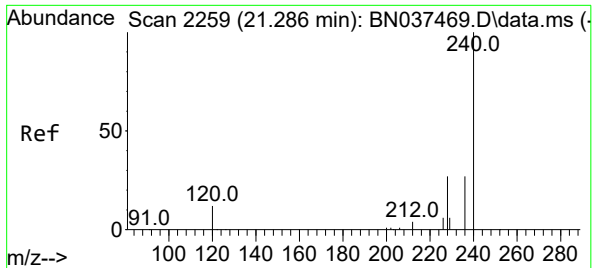
Ion Ratio Lower Upper

202 100

101 12.3 9.2 13.8

203 17.4 14.0 21.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037491.D

Acq: 14 Jul 2025 14:57

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2MS

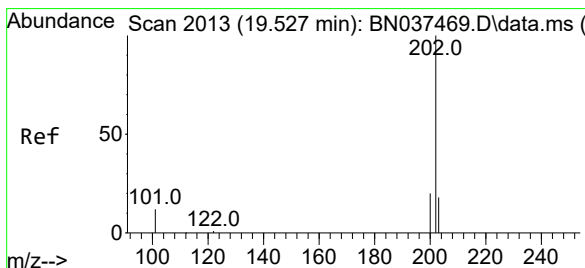
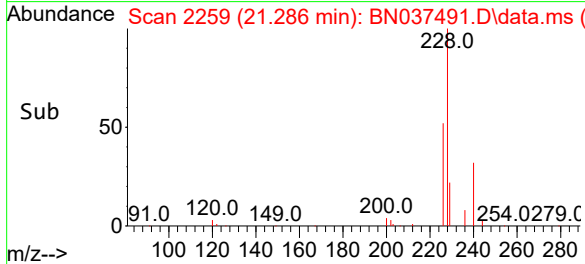
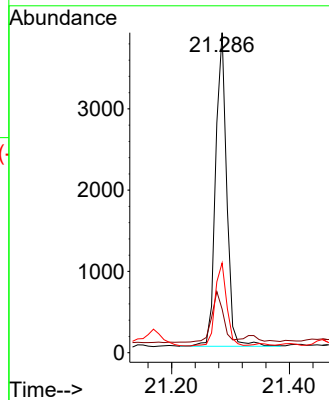
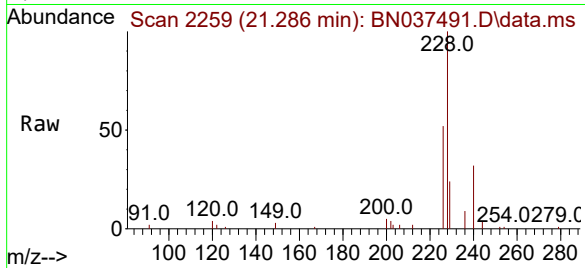
Tgt Ion:240 Resp: 5060

Ion Ratio Lower Upper

240 100

120 13.6 12.4 18.6

236 28.0 22.9 34.3



#30

Pyrene

Concen: 11.192 ng

RT: 19.522 min Scan# 2012

Delta R.T. -0.005 min

Lab File: BN037491.D

Acq: 14 Jul 2025 14:57

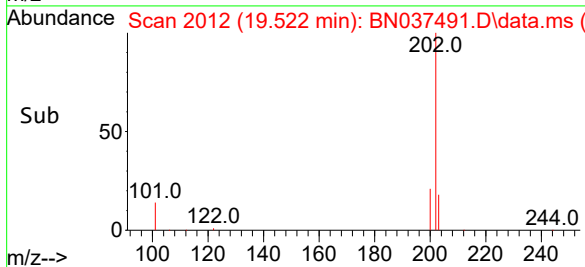
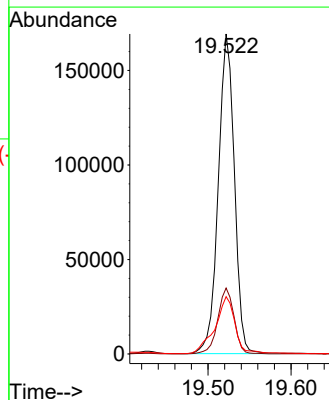
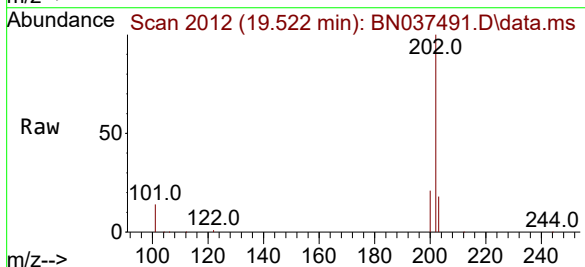
Tgt Ion:202 Resp: 227684

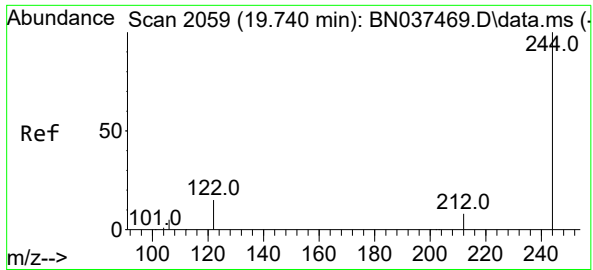
Ion Ratio Lower Upper

202 100

200 20.7 16.4 24.6

203 22.4 14.3 21.5#

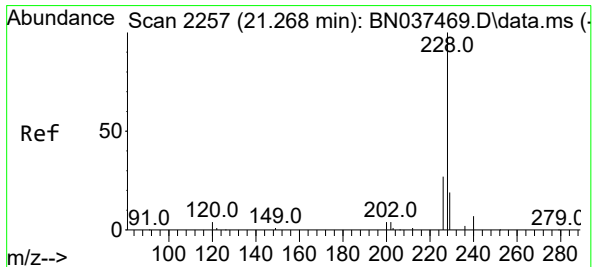
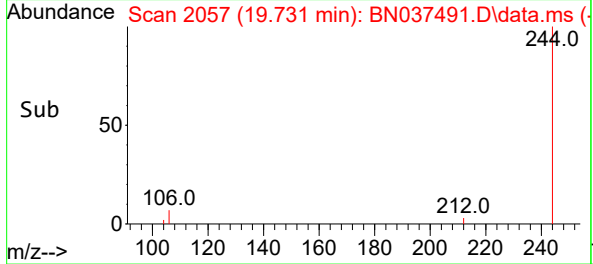
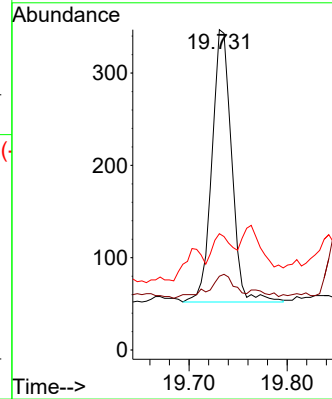
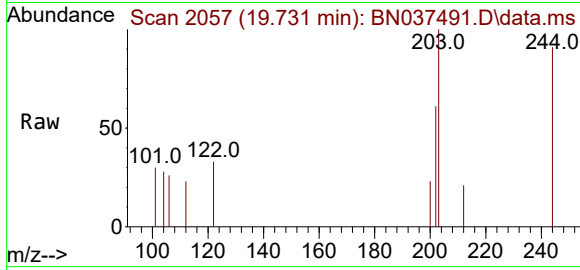




#31
Terphenyl-d14
Concen: 0.039 ng
RT: 19.731 min Scan# 2057
Delta R.T. -0.009 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

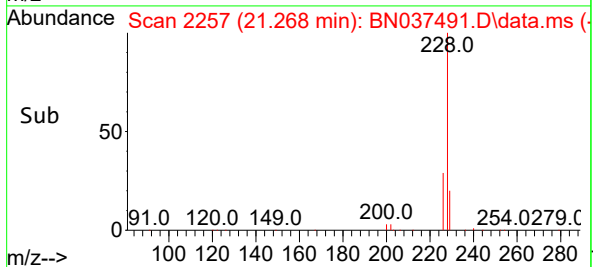
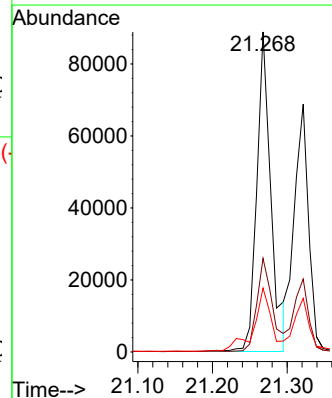
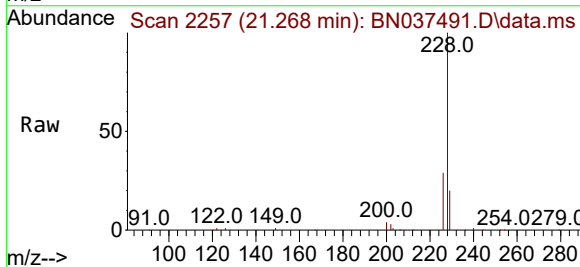
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MS

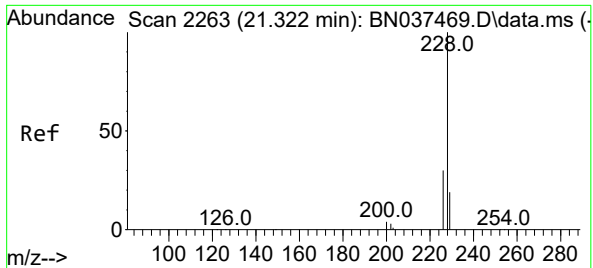
Tgt Ion:244 Resp: 412
Ion Ratio Lower Upper
244 100
212 23.1 8.7 13.1#
122 36.3 14.1 21.1#



#32
Benzo(a)anthracene
Concen: 6.822 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

Tgt Ion:228 Resp: 116895
Ion Ratio Lower Upper
228 100
226 29.3 22.7 34.1
229 20.0 16.6 24.8





#33

Chrysene

Concen: 4.906 ng

RT: 21.322 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037491.D

Acq: 14 Jul 2025 14:57

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2MS

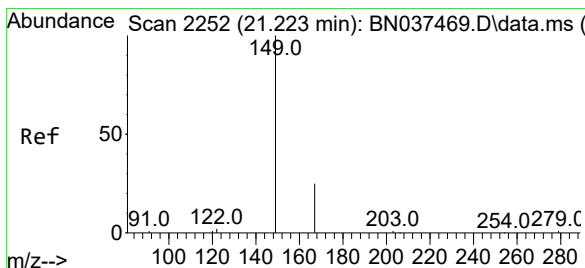
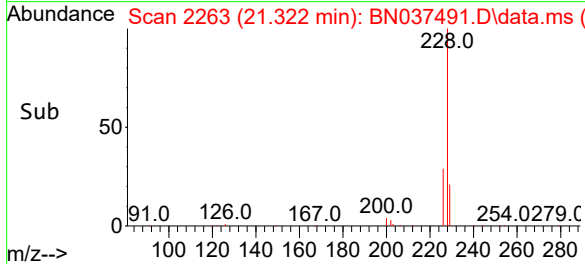
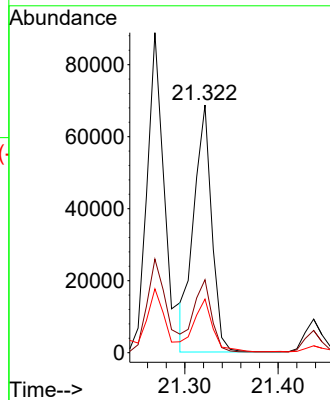
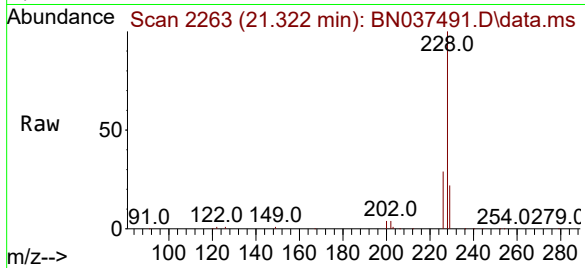
Tgt Ion:228 Resp: 91885

Ion Ratio Lower Upper

228 100

226 29.5 24.6 36.8

229 21.6 16.4 24.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.145 ng

RT: 21.223 min Scan# 2252

Delta R.T. -0.000 min

Lab File: BN037491.D

Acq: 14 Jul 2025 14:57

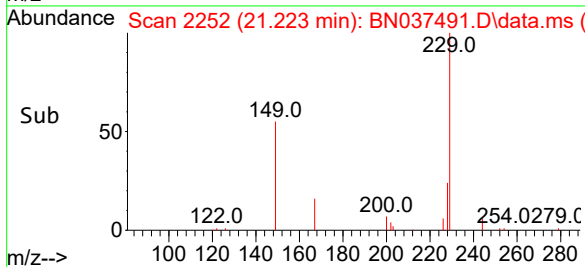
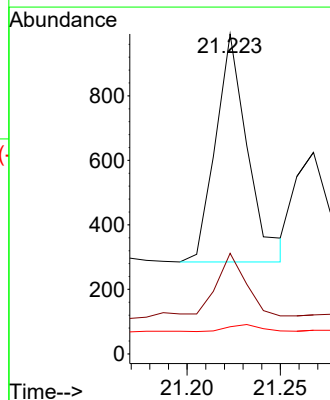
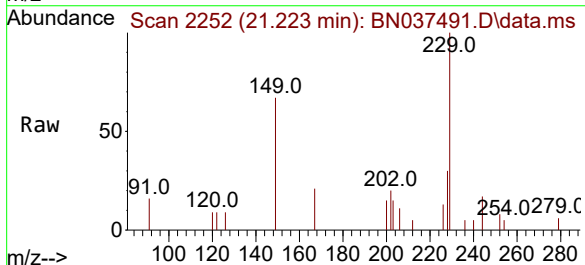
Tgt Ion:149 Resp: 844

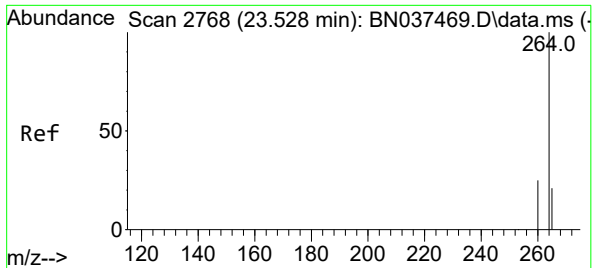
Ion Ratio Lower Upper

149 100

167 30.1 19.4 29.2#

279 3.2 2.5 3.7

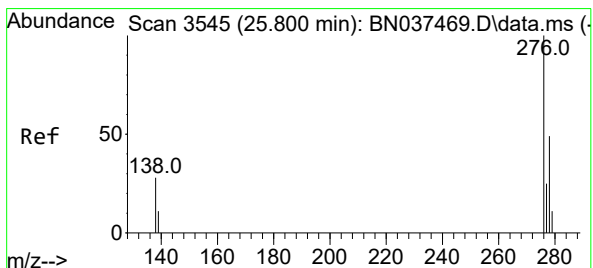
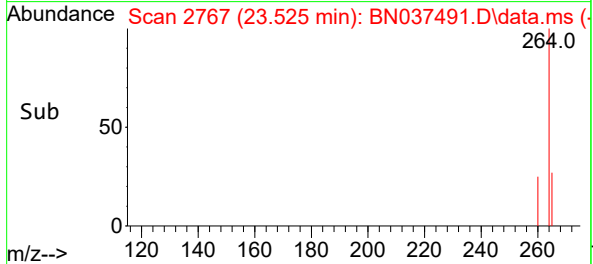
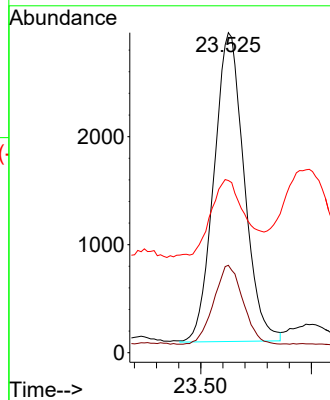
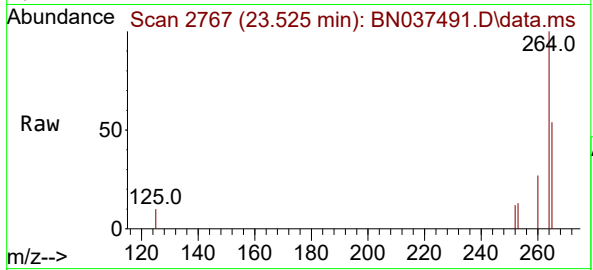




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.525 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

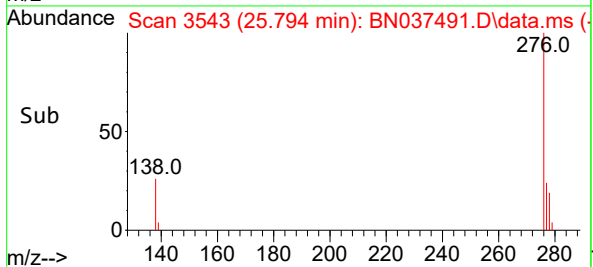
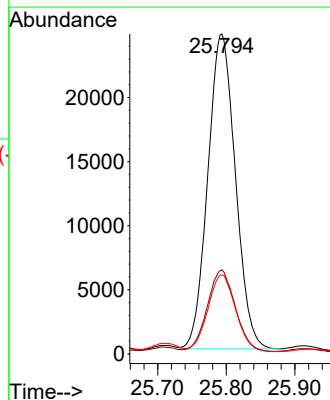
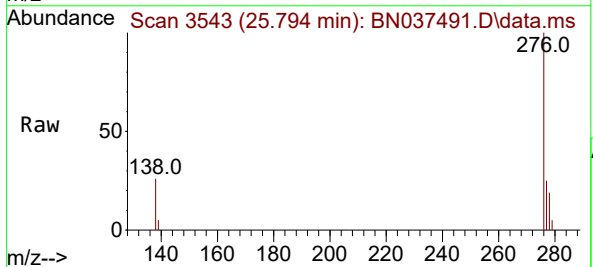
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MS

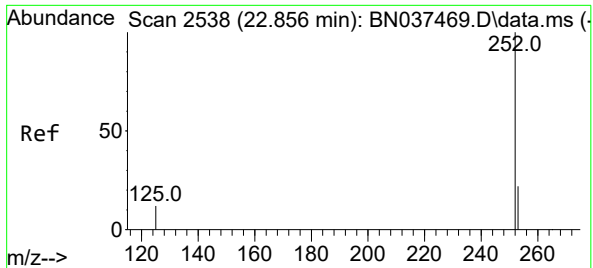
Tgt Ion:264 Resp: 5425
Ion Ratio Lower Upper
264 100
260 27.3 21.7 32.5
265 53.8 41.6 62.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 3.257 ng
RT: 25.794 min Scan# 3543
Delta R.T. -0.006 min
Lab File: BN037491.D
Acq: 14 Jul 2025 14:57

Tgt Ion:276 Resp: 68574
Ion Ratio Lower Upper
276 100
138 26.4 23.4 35.2
277 24.8 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 6.111 ng m

RT: 22.855 min Scan# 2538

Delta R.T. -0.000 min

Lab File: BN037491.D

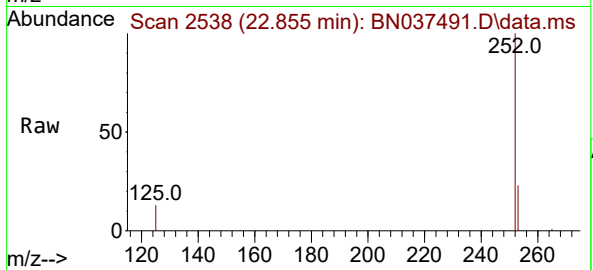
Acq: 14 Jul 2025 14:57

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2MS



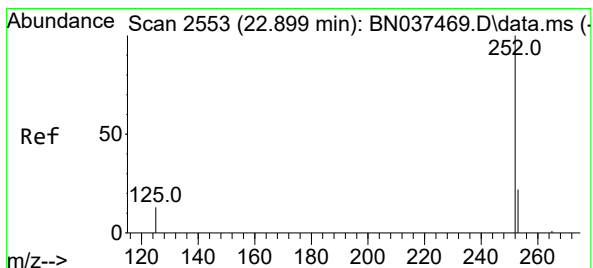
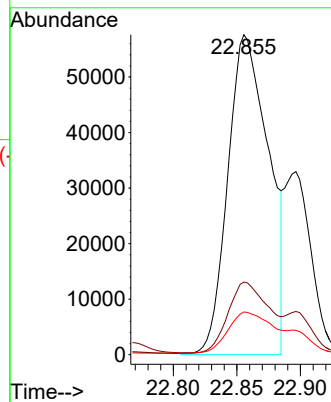
Tgt Ion:252 Resp: 128921

Ion Ratio Lower Upper

252 100

253 22.7 20.1 30.1

125 13.4 13.7 20.5#



#38

Benzo(k)fluoranthene

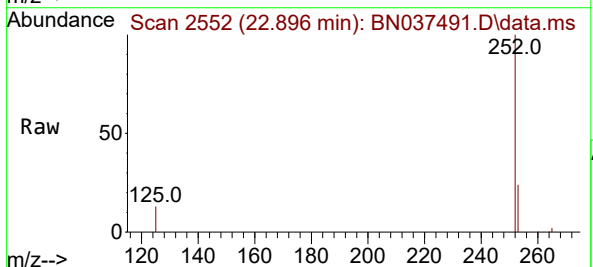
Concen: 2.261 ng m

RT: 22.896 min Scan# 2552

Delta R.T. -0.003 min

Lab File: BN037491.D

Acq: 14 Jul 2025 14:57



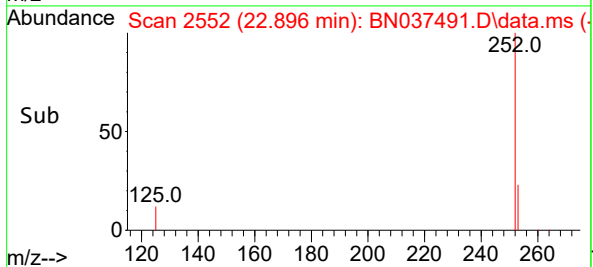
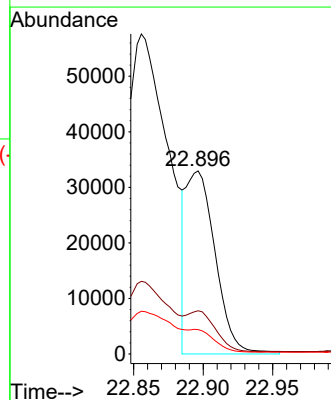
Tgt Ion:252 Resp: 48340

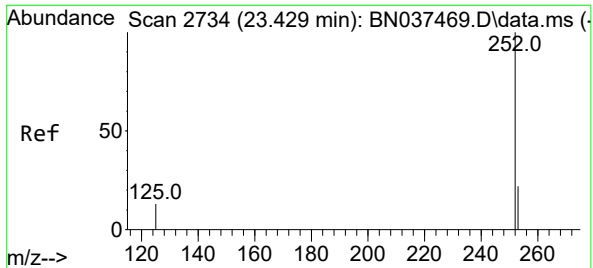
Ion Ratio Lower Upper

252 100

253 23.6 20.4 30.6

125 13.3 14.6 21.8#





#39

Benzo(a)pyrene

Concen: 6.060 ng m

RT: 23.428 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037491.D

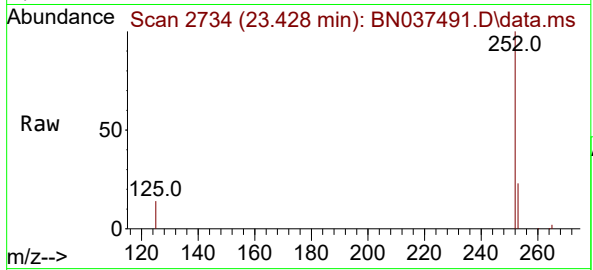
Acq: 14 Jul 2025 14:57

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2MS



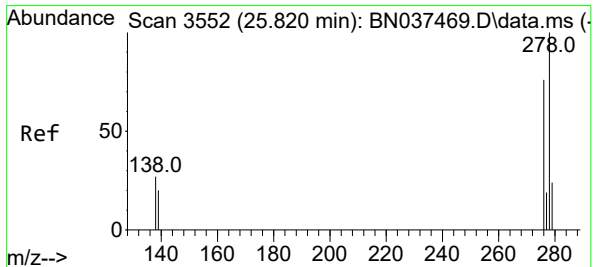
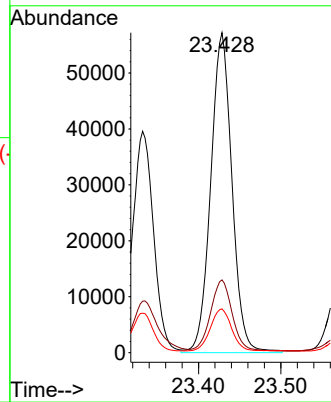
Tgt Ion:252 Resp: 102883

Ion Ratio Lower Upper

252 100

253 22.8 21.8 32.6

125 13.7 16.7 25.1#



#40

Dibenzo(a,h)anthracene

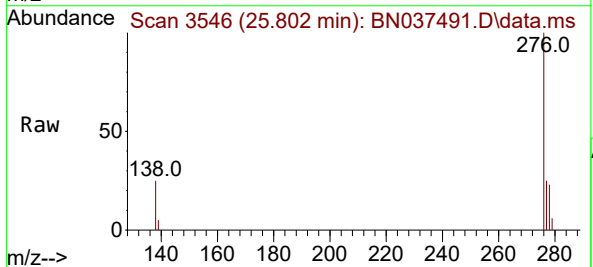
Concen: 0.952 ng

RT: 25.802 min Scan# 3546

Delta R.T. -0.018 min

Lab File: BN037491.D

Acq: 14 Jul 2025 14:57



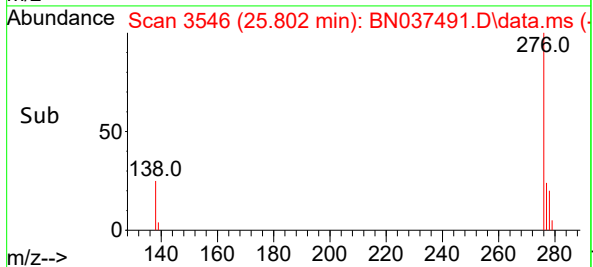
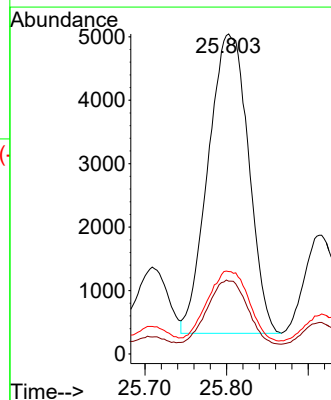
Tgt Ion:278 Resp: 16165

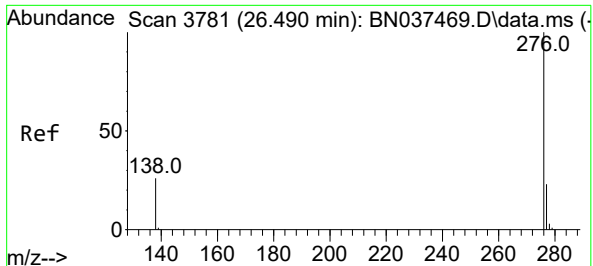
Ion Ratio Lower Upper

278 100

139 22.8 19.9 29.9

279 25.7 24.8 37.2





#41

Benzo(g,h,i)perylene

Concen: 4.151 ng

RT: 26.487 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN037491.D

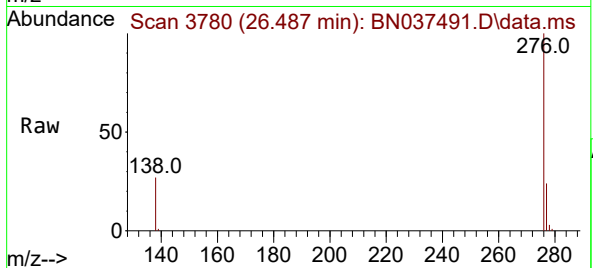
Acq: 14 Jul 2025 14:57

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2MS



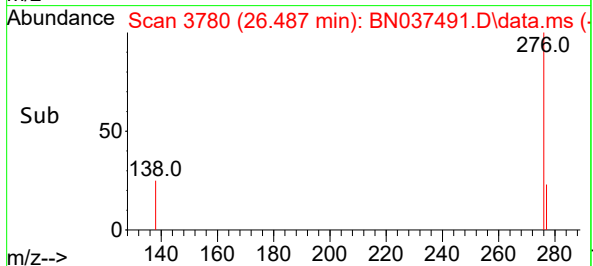
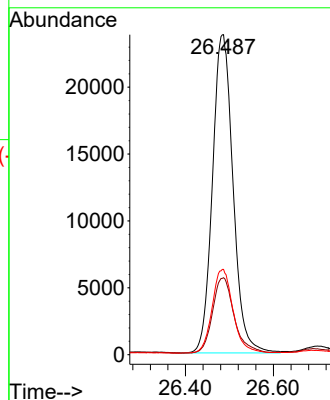
Tgt Ion:276 Resp: 77227

Ion Ratio Lower Upper

276 100

277 24.0 21.7 32.5

138 26.6 24.3 36.5



Report of Analysis

Client:	ENTACT	Date Collected:	07/10/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	07/10/25
Client Sample ID:	WC-URBAN-FILL-B2MSD	SDG No.:	Q2580
Lab Sample ID:	Q2580-02MSD	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	94.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037492.D	10	07/14/25 09:20	07/14/25 15:34	PB168831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.88		0.012	0.035	mg/Kg
91-57-6	2-Methylnaphthalene	0.25		0.013	0.035	mg/Kg
208-96-8	Acenaphthylene	0.38		0.011	0.035	mg/Kg
83-32-9	Acenaphthene	0.80		0.012	0.035	mg/Kg
86-73-7	Fluorene	0.74		0.012	0.035	mg/Kg
85-01-8	Phenanthrene	5.50	E	0.012	0.035	mg/Kg
120-12-7	Anthracene	1.70		0.013	0.035	mg/Kg
206-44-0	Fluoranthene	5.60	E	0.013	0.035	mg/Kg
129-00-0	Pyrene	3.80	E	0.011	0.035	mg/Kg
56-55-3	Benzo(a)anthracene	2.30	E	0.014	0.035	mg/Kg
218-01-9	Chrysene	1.80	E	0.015	0.035	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.20	E	0.017	0.035	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.85		0.020	0.035	mg/Kg
50-32-8	Benzo(a)pyrene	2.20	E	0.015	0.035	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.20		0.019	0.035	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.35		0.019	0.035	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.50		0.018	0.035	mg/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.32		30 (17) - 150 (161)	80%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 (23) - 150 (138)	90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (33) - 130 (121)	90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		30 (32) - 130 (121)	75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (21) - 130 (130)	93%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2100	7.731			
1146-65-2	Naphthalene-d8	5450	10.515			
15067-26-2	Acenaphthene-d10	2900	14.362			
1517-22-2	Phenanthrene-d10	5510	17.095			
1719-03-5	Chrysene-d12	5970	21.286			

Report of Analysis

Client:	ENTACT	Date Collected:	07/10/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	07/10/25
Client Sample ID:	WC-URBAN-FILL-B2MSD	SDG No.:	Q2580
Lab Sample ID:	Q2580-02MSD	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	94.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037492.D	10	07/14/25 09:20	07/14/25 15:34	PB168831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	6130	23.523			

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\BN071425\
 Data File : BN037492.D
 Acq On : 14 Jul 2025 15:34
 Operator : RC/JU
 Sample : Q2580-02MSD 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 WC-URBAN-FILL-B2MSD

Quant Time: Jul 14 16:30:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:38:34 2025
 Response via : Initial Calibration

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

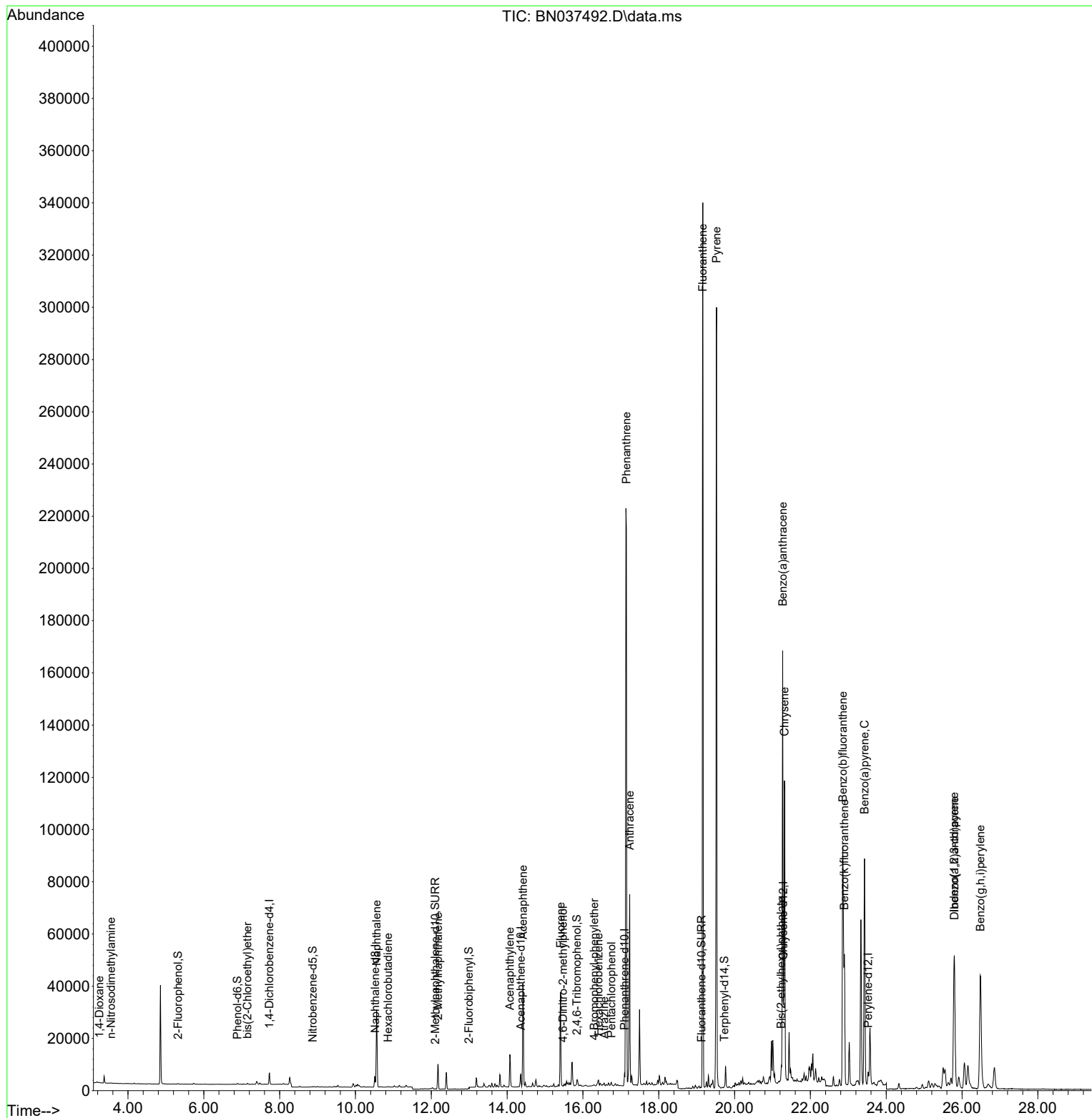
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.731	152	2101	0.400	ng	0.00
7) Naphthalene-d8	10.515	136	5450	0.400	ng	# 0.00
13) Acenaphthene-d10	14.362	164	2896	0.400	ng	0.00
19) Phenanthrene-d10	17.095	188	5508	0.400	ng	0.00
29) Chrysene-d12	21.286	240	5967	0.400	ng	# 0.00
35) Perylene-d12	23.523	264	6132	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	188	0.038	ng	0.00
5) Phenol-d6	6.886	99	241	0.039	ng	0.00
8) Nitrobenzene-d5	8.871	82	143	0.036	ng	0.00
11) 2-Methylnaphthalene-d10	12.102	152	235m	0.032	ng	0.00
14) 2,4,6-Tribromophenol	15.841	330	50	0.051	ng	0.00
15) 2-Fluorobiphenyl	12.989	172	499	0.030	ng	0.00
27) Fluoranthene-d10	19.128	212	496	0.036	ng	0.00
31) Terphenyl-d14	19.731	244	459	0.037	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.246	88	139	0.070	ng	# 57
3) n-Nitrosodimethylamine	3.549	42	93	0.035	ng	# 50
6) bis(2-Chloroethyl)ether	7.153	93	240	0.047	ng	89
9) Naphthalene	10.558	128	36750	2.510	ng	97
10) Hexachlorobutadiene	10.857	225	134	0.038	ng	# 99
12) 2-Methylnaphthalene	12.178	142	6632	0.723	ng	99
16) Acenaphthylene	14.073	152	14101	1.068	ng	100
17) Acenaphthene	14.415	154	20024	2.260	ng	95
18) Fluorene	15.410	166	23372	2.099	ng	98
20) 4,6-Dinitro-2-methylph...	15.474	198	27	0.044	ng	# 3
21) 4-Bromophenyl-phenylether	16.300	248	140	0.041	ng	# 83
22) Hexachlorobenzene	16.412	284	199	0.042	ng	97
23) Atrazine	16.561	200	104	0.061	ng	# 67
24) Pentachlorophenol	16.747	266	165	0.101	ng	98
25) Phenanthrene	17.144	178	263023	15.683	ng	100
26) Anthracene	17.231	178	73995m	4.889	ng	
28) Fluoranthene	19.160	202	292394	15.887	ng	99
30) Pyrene	19.522	202	261878	10.916	ng	# 95
32) Benzo(a)anthracene	21.268	228	131090	6.487	ng	99
33) Chrysene	21.313	228	115396	5.224	ng	99
34) Bis(2-ethylhexyl)phtha...	21.224	149	754	0.110	ng	93
36) Indeno(1,2,3-cd)pyrene	25.791	276	81186	3.411	ng	97
37) Benzo(b)fluoranthene	22.856	252	149886m	6.285	ng	
38) Benzo(k)fluoranthene	22.894	252	58149m	2.406	ng	
39) Benzo(a)pyrene	23.426	252	119682m	6.236	ng	
40) Dibenzo(a,h)anthracene	25.800	278	19031	0.991	ng	93
41) Benzo(g,h,i)perylene	26.481	276	91064	4.331	ng	93

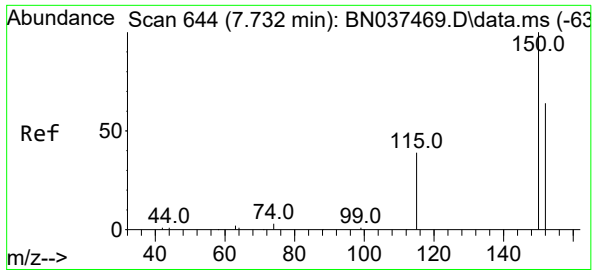
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
Data File : BN037492.D
Acq On : 14 Jul 2025 15:34
Operator : RC/JU
Sample : Q2580-02MSD 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

Quant Time: Jul 14 16:30:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:38:34 2025
Response via : Initial Calibration

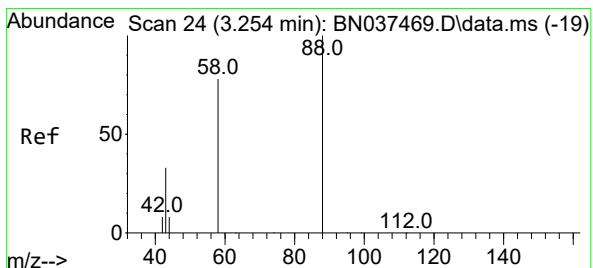
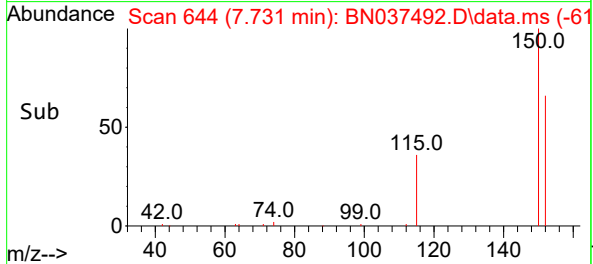
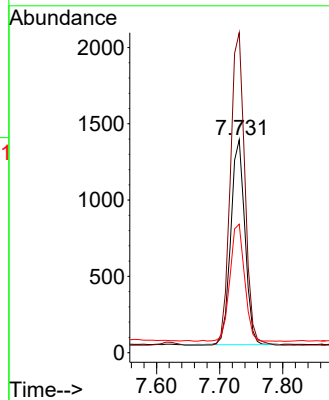
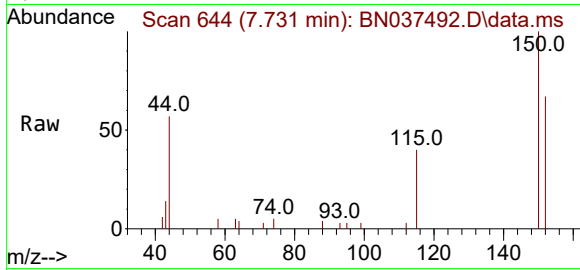




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.731 min Scan# 64
Delta R.T. -0.001 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

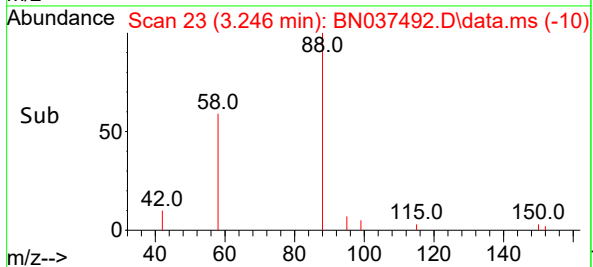
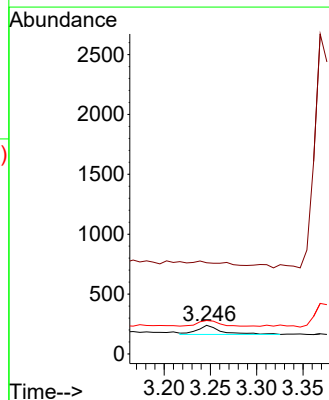
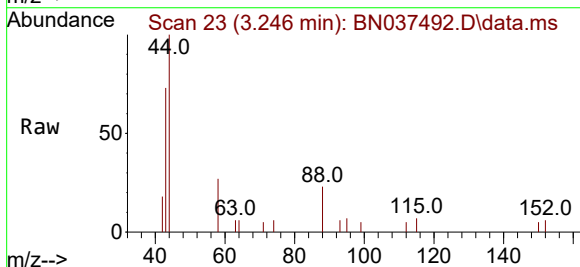
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

Tgt Ion	152	Resp	2101
Ion	Ratio	Lower	Upper
152	100		
150	150.2	122.5	183.7
115	60.3	49.9	74.9

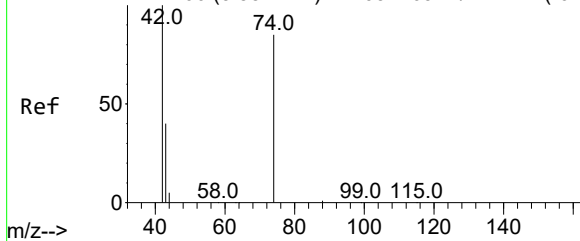


#2
1,4-Dioxane
Concen: 0.070 ng
RT: 3.246 min Scan# 23
Delta R.T. -0.008 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion	88	Resp	139
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.7	46.1#
58	51.8	65.0	97.4#



Abundance Scan 66 (3.557 min): BN037469.D\data.ms (-61)



#3

n-Nitrosodimethylamine

Concen: 0.035 ng

RT: 3.549 min Scan# 61

Delta R.T. -0.008 min

Lab File: BN037492.D

Acq: 14 Jul 2025 15:34

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2MSD

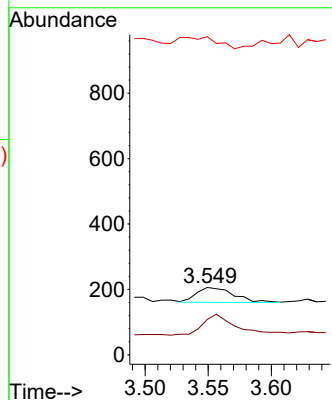
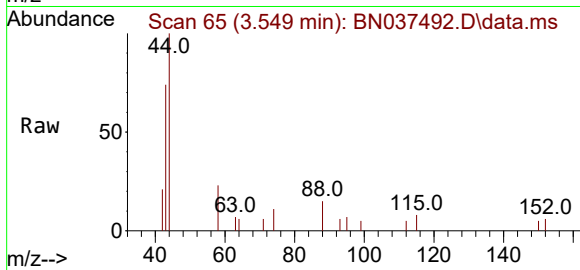
Tgt Ion: 42 Resp: 93

Ion Ratio Lower Upper

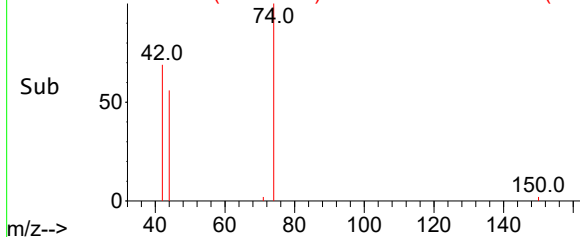
42 100

74 129.0 74.9 112.3#

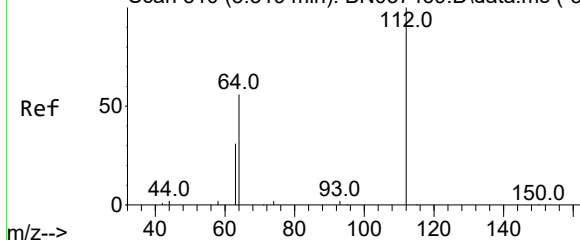
44 78.5 7.2 10.8#



Abundance Scan 65 (3.549 min): BN037492.D\data.ms (-45)



Abundance Scan 310 (5.319 min): BN037469.D\data.ms (-30)



#4

2-Fluorophenol

Concen: 0.038 ng

RT: 5.319 min Scan# 310

Delta R.T. -0.001 min

Lab File: BN037492.D

Acq: 14 Jul 2025 15:34

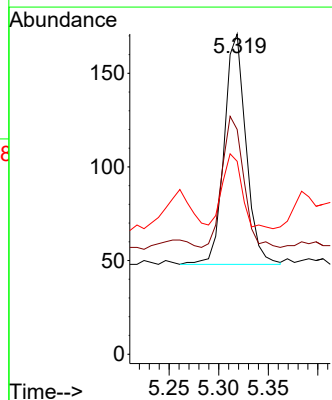
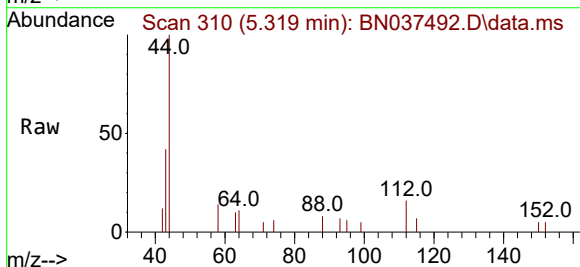
Tgt Ion: 112 Resp: 188

Ion Ratio Lower Upper

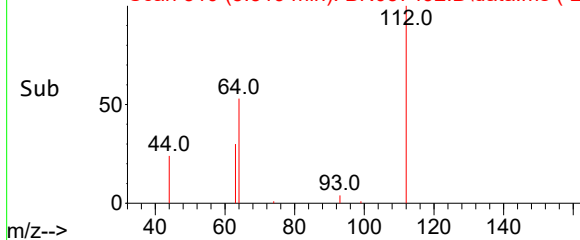
112 100

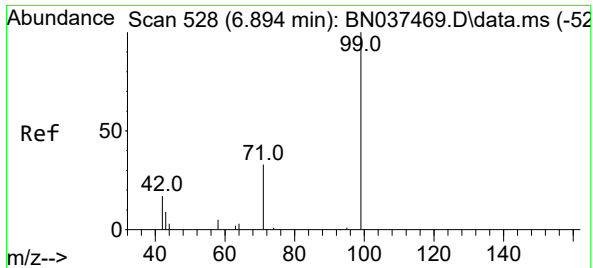
64 55.9 45.4 68.0

63 31.4 24.7 37.1



Abundance Scan 310 (5.319 min): BN037492.D\data.ms (-28)

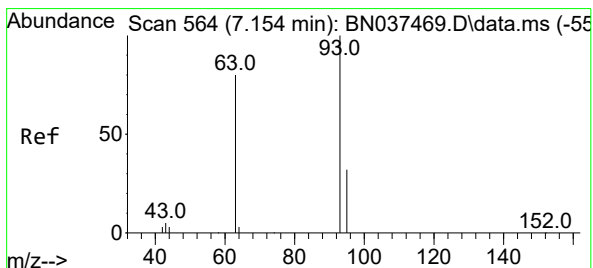
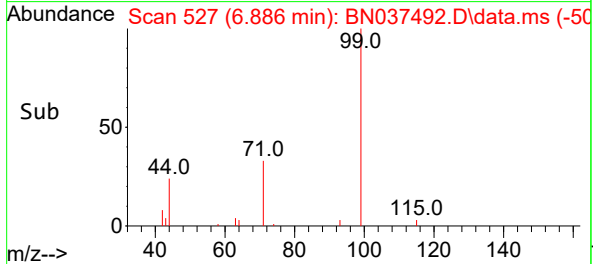
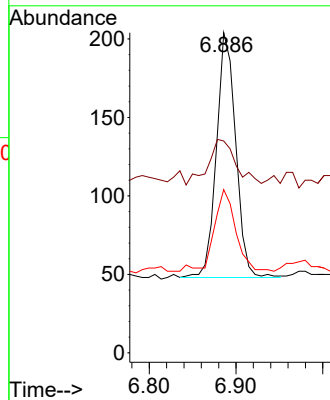
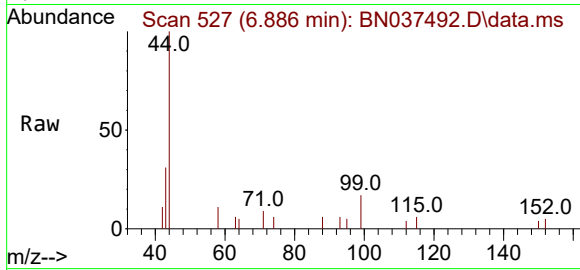




#5
Phenol-d6
Concen: 0.039 ng
RT: 6.886 min Scan# 51
Delta R.T. -0.008 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

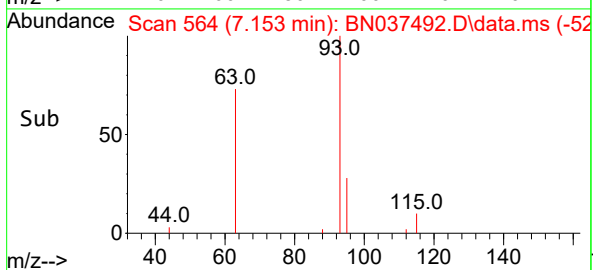
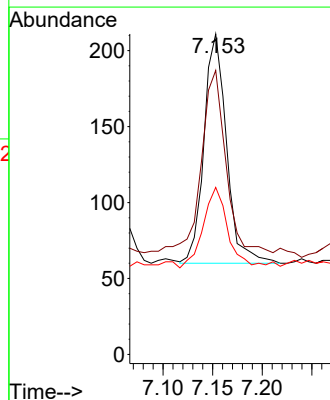
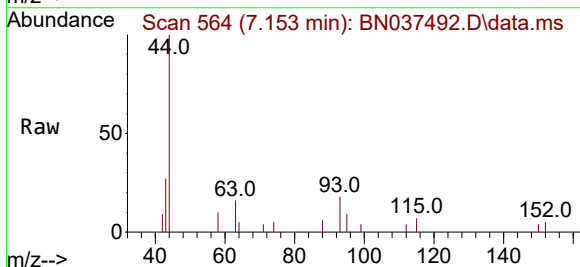
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

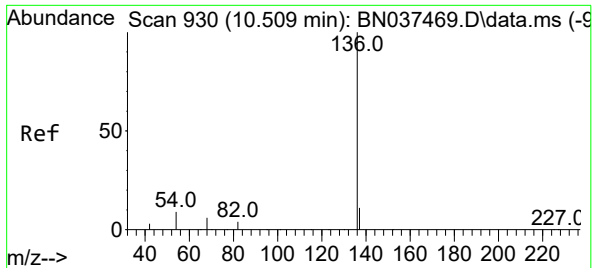
Tgt Ion	Ratio	Lower	Upper
99	100		
42	26.6	19.5	29.3
71	36.5	29.4	44.2



#6
bis(2-Chloroethyl)ether
Concen: 0.047 ng
RT: 7.153 min Scan# 564
Delta R.T. -0.001 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion	Ratio	Lower	Upper
93	100		
63	85.0	60.8	91.2
95	38.3	25.6	38.4

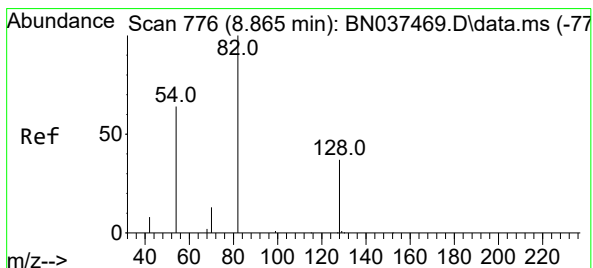
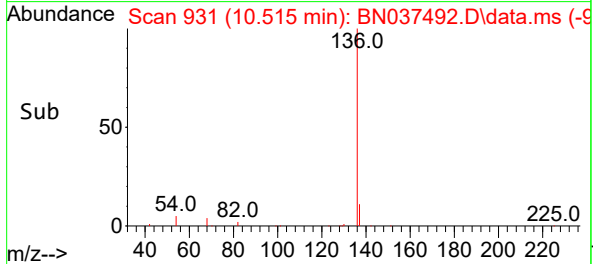
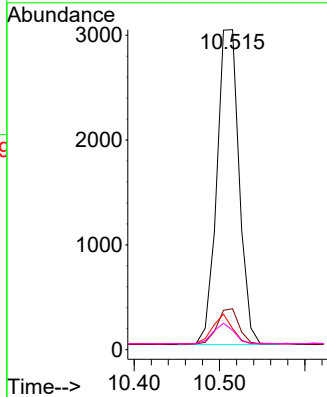
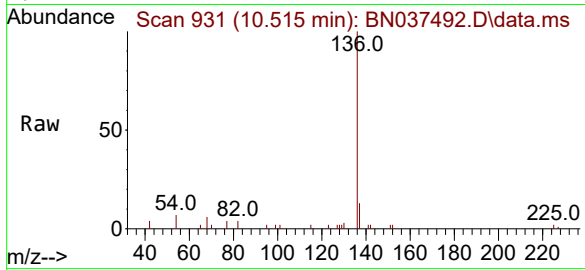




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.515 min Scan# 91
Delta R.T. 0.006 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

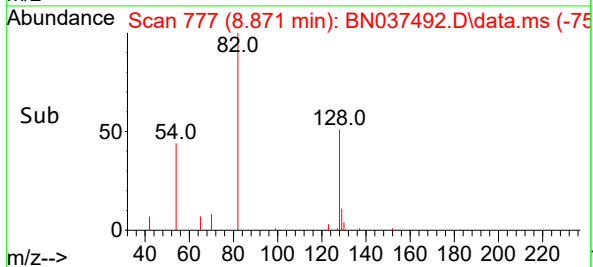
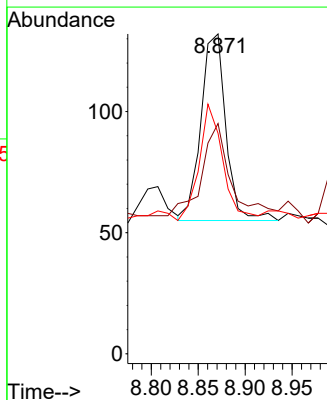
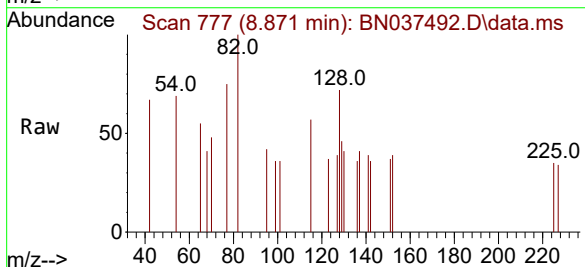
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

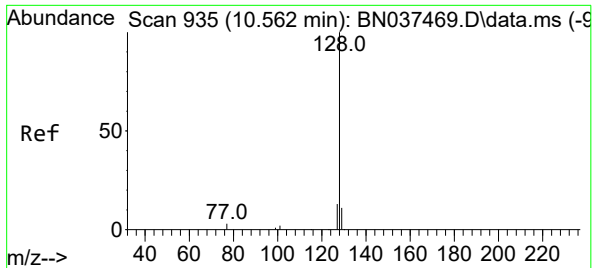
Tgt Ion:	136	Resp:	5450
Ion	Ratio	Lower	Upper
136	100		
137	12.8	10.0	15.0
54	6.6	9.0	13.6#
68	6.0	6.1	9.1#



#8
Nitrobenzene-d5
Concen: 0.036 ng
RT: 8.871 min Scan# 777
Delta R.T. 0.006 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion:	82	Resp:	143
Ion	Ratio	Lower	Upper
82	100		
128	72.0	33.1	49.7#
54	68.9	53.0	79.4

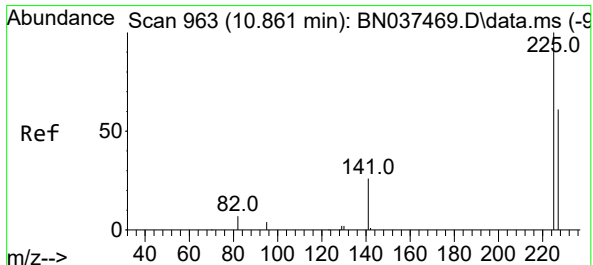
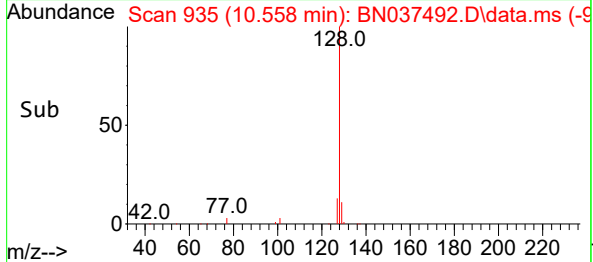
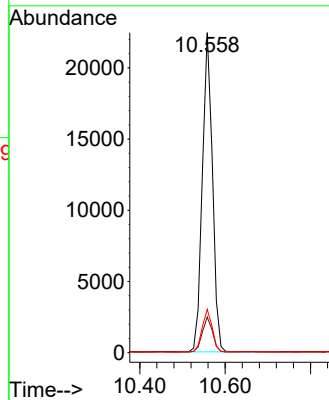
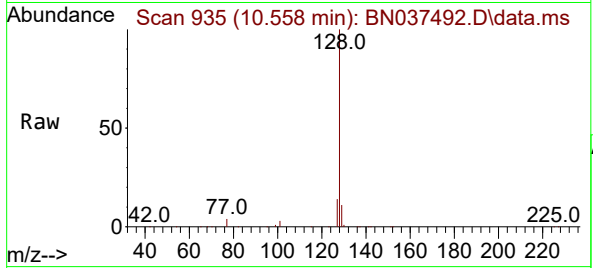




#9
Naphthalene
Concen: 2.510 ng
RT: 10.558 min Scan# 91
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

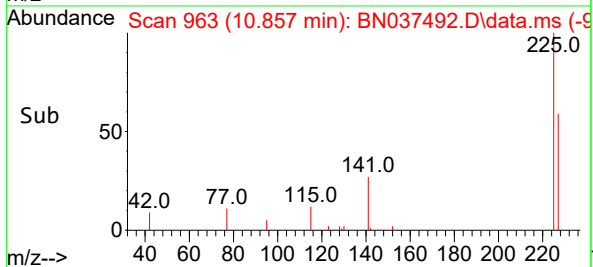
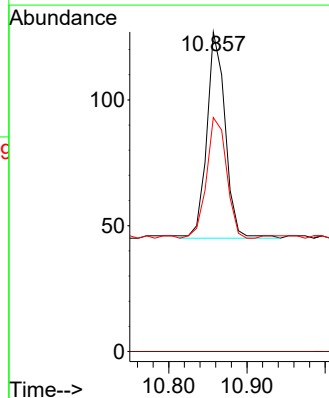
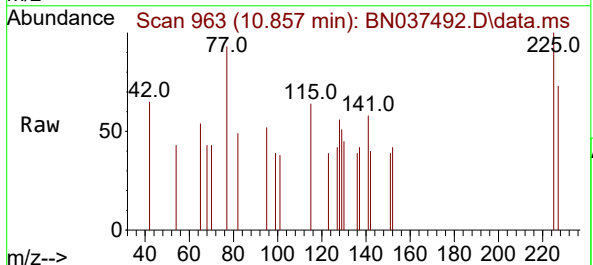
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

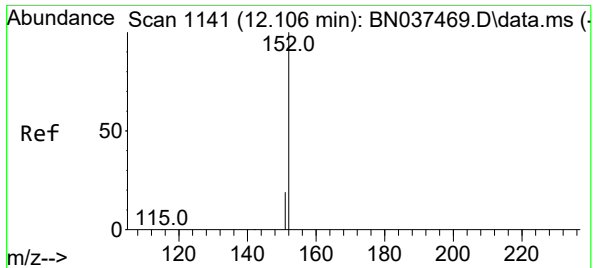
Tgt Ion:128 Resp: 36750
Ion Ratio Lower Upper
128 100
129 11.1 10.2 15.2
127 13.6 11.8 17.6



#10
Hexachlorobutadiene
Concen: 0.038 ng
RT: 10.857 min Scan# 963
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion:225 Resp: 134
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.9 51.4 77.2

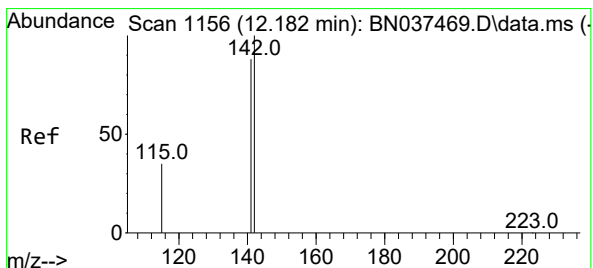
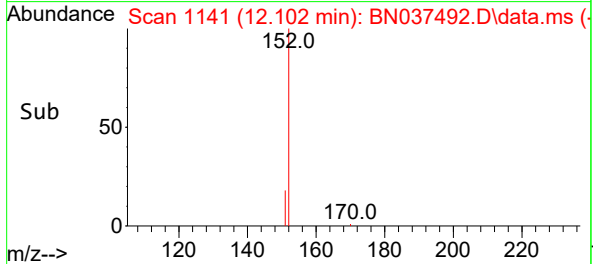
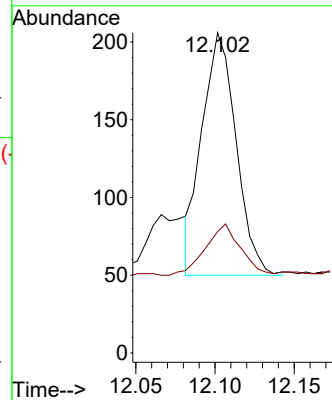
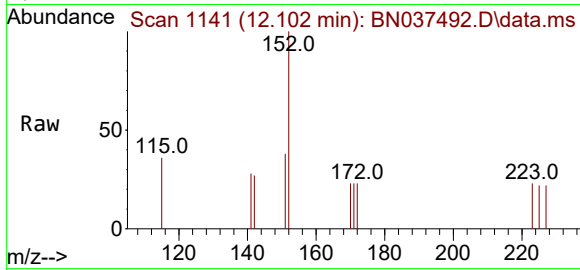




#11
2-Methylnaphthalene-d10
Concen: 0.032 ng m
RT: 12.102 min Scan# 1141
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

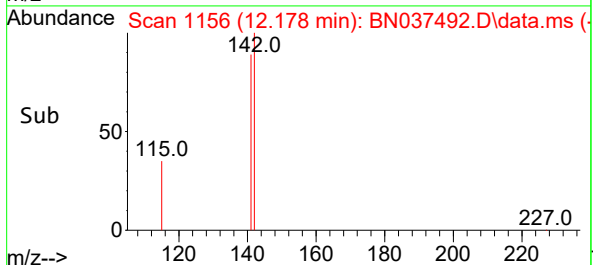
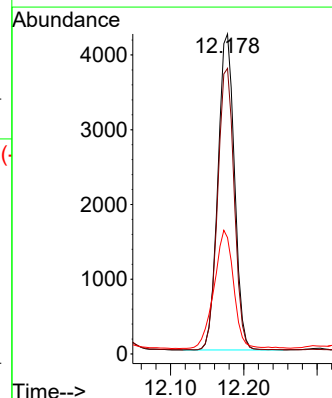
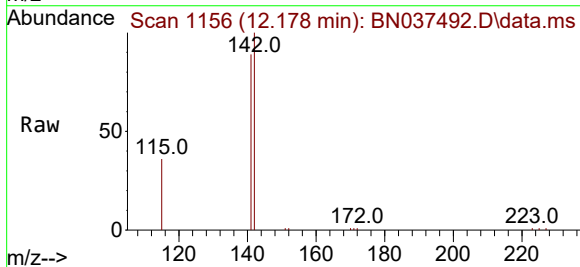
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

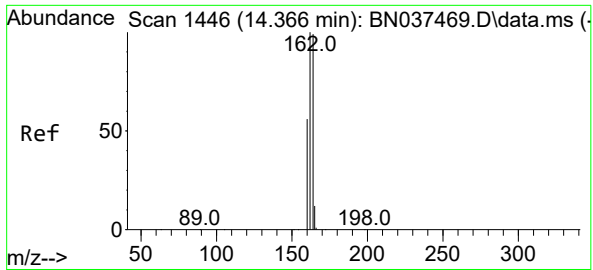
Tgt Ion:152 Resp: 235
Ion Ratio Lower Upper
152 100
151 21.7 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.723 ng
RT: 12.178 min Scan# 1156
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion:142 Resp: 6632
Ion Ratio Lower Upper
142 100
141 89.3 70.6 105.8
115 36.4 30.0 45.0

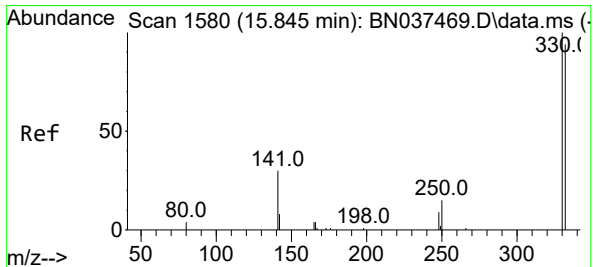
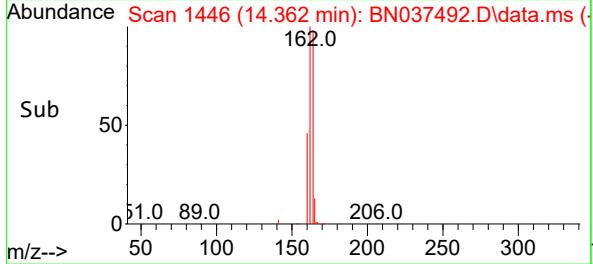
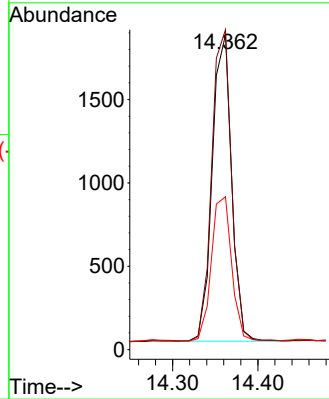
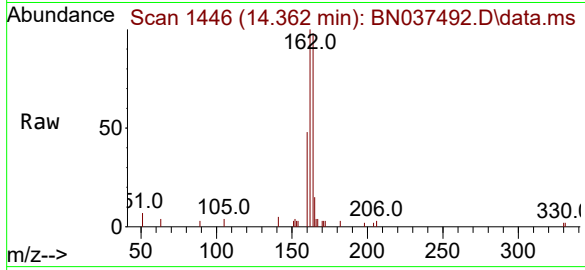




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.362 min Scan# 1446
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

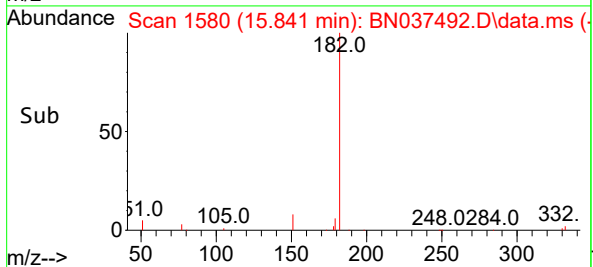
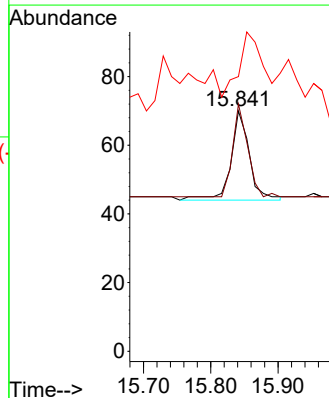
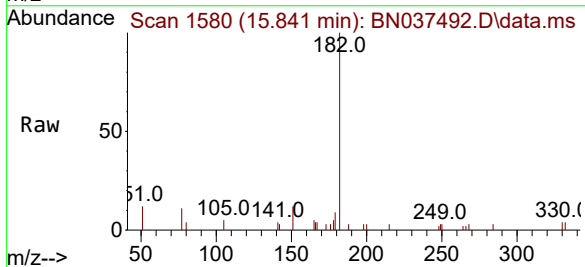
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

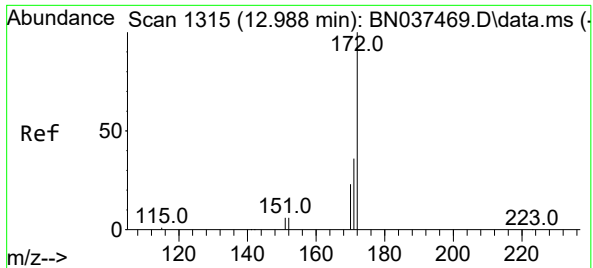
Tgt Ion:164 Resp: 2896
Ion Ratio Lower Upper
164 100
162 101.6 81.1 121.7
160 48.6 46.5 69.7



#14
2,4,6-Tribromophenol
Concen: 0.051 ng
RT: 15.841 min Scan# 1580
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion:330 Resp: 50
Ion Ratio Lower Upper
330 100
332 84.0 82.0 123.0
141 88.0 36.2 54.2#

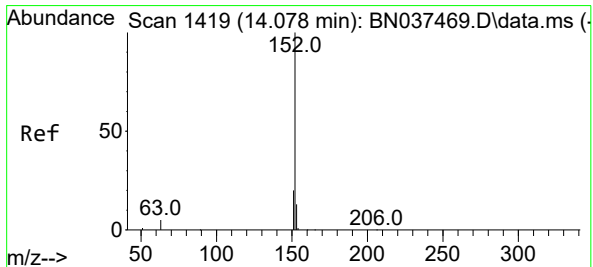
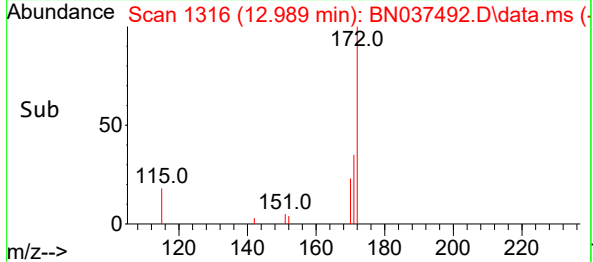
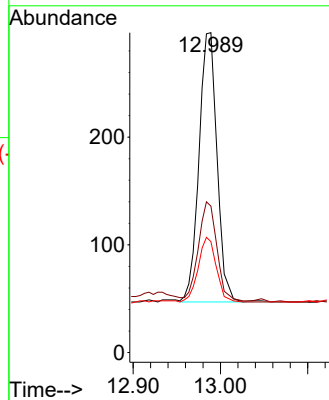
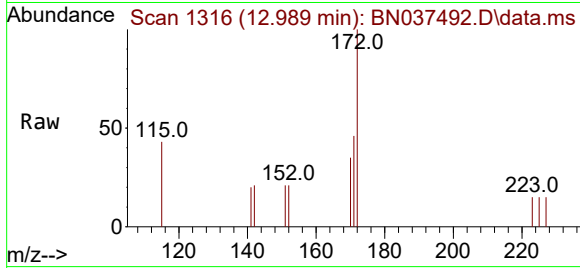




#15
2-Fluorobiphenyl
Concen: 0.030 ng
RT: 12.989 min Scan# 1315
Delta R.T. 0.001 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

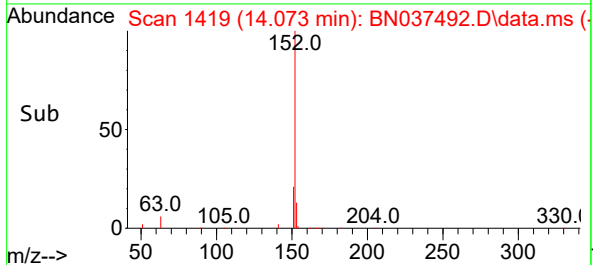
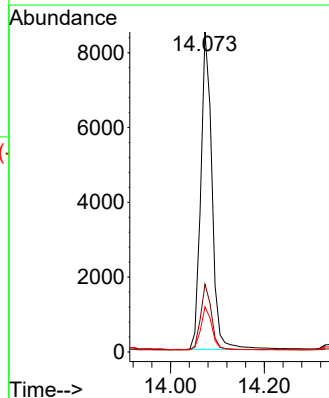
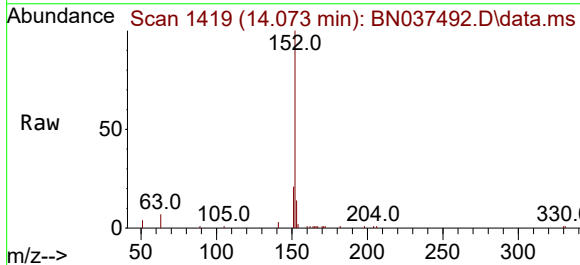
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

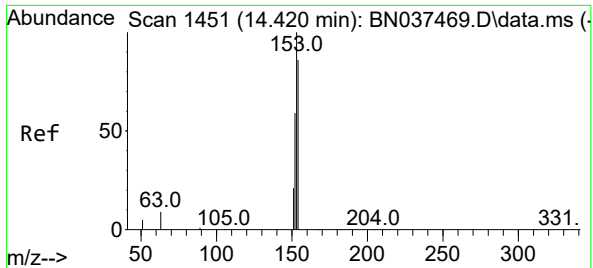
Tgt Ion:172 Resp: 499
Ion Ratio Lower Upper
172 100
171 45.8 29.8 44.8#
170 34.7 20.0 30.0#



#16
Acenaphthylene
Concen: 1.068 ng
RT: 14.073 min Scan# 1419
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion:152 Resp: 14101
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6
153 13.4 10.6 15.8

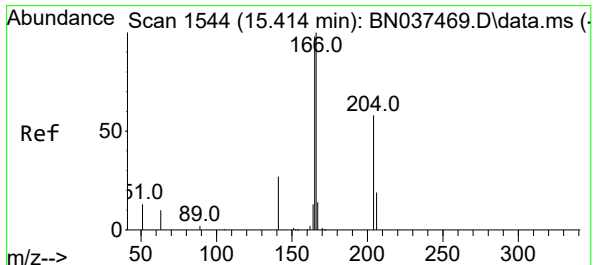
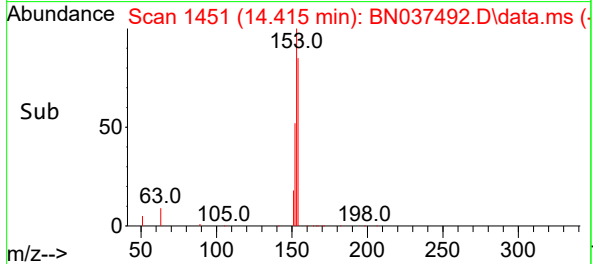
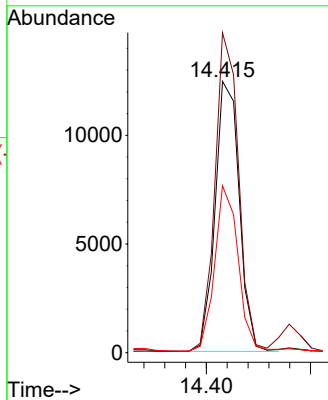
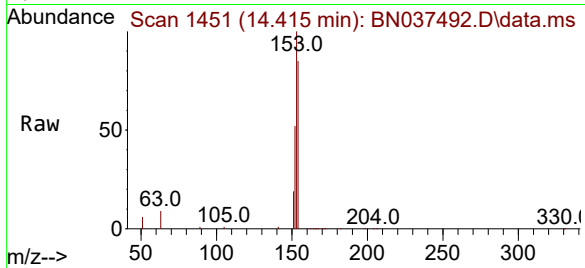




#17
Acenaphthene
Concen: 2.260 ng
RT: 14.415 min Scan# 1451
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

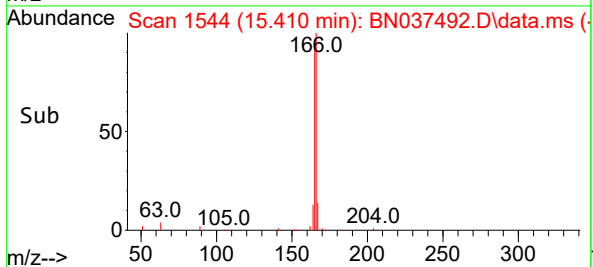
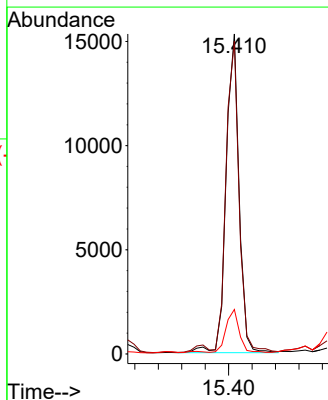
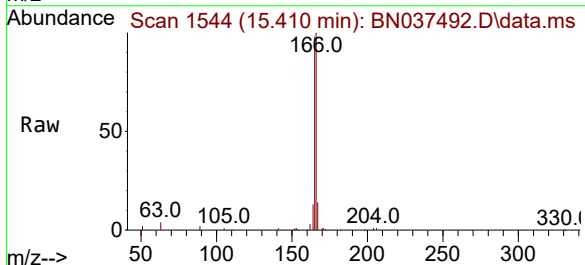
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

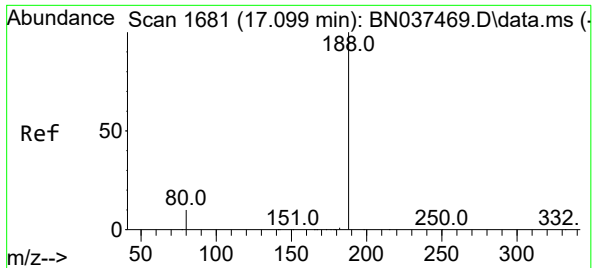
Tgt Ion:154 Resp: 20024
Ion Ratio Lower Upper
154 100
153 114.8 89.4 134.0
152 59.9 53.2 79.8



#18
Fluorene
Concen: 2.099 ng
RT: 15.410 min Scan# 1544
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion:166 Resp: 23372
Ion Ratio Lower Upper
166 100
165 97.3 79.4 119.2
167 13.7 10.6 15.8

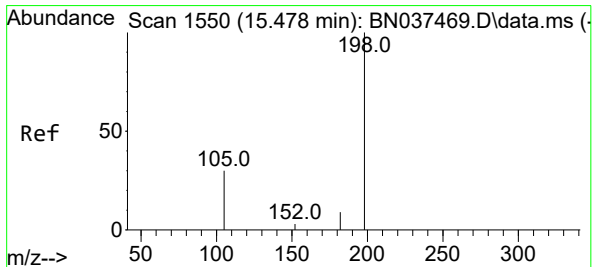
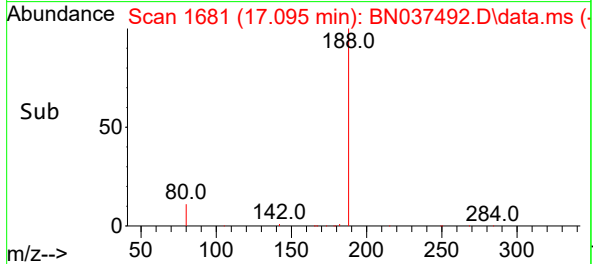
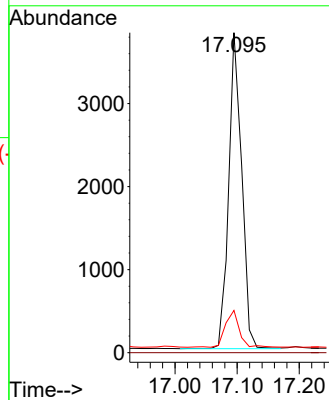
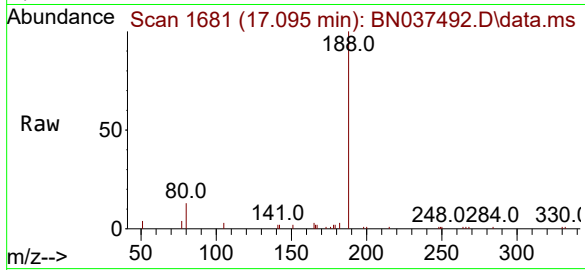




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.095 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

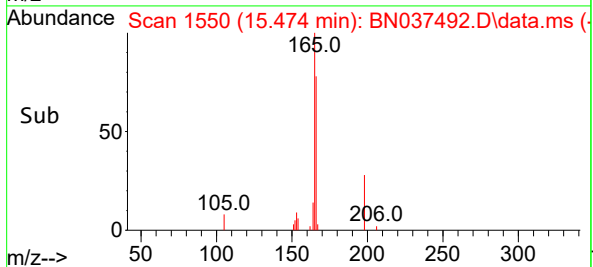
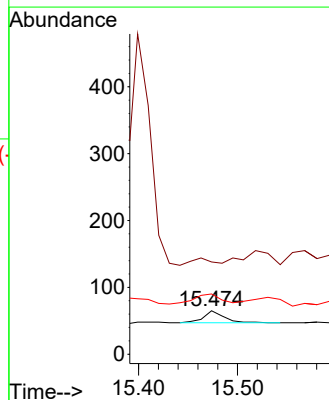
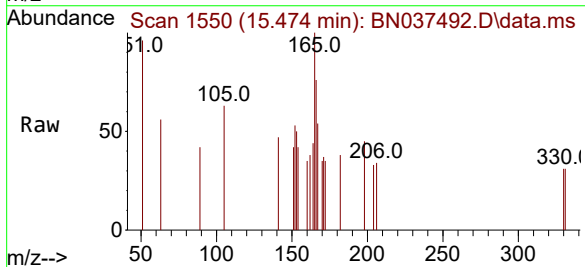
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

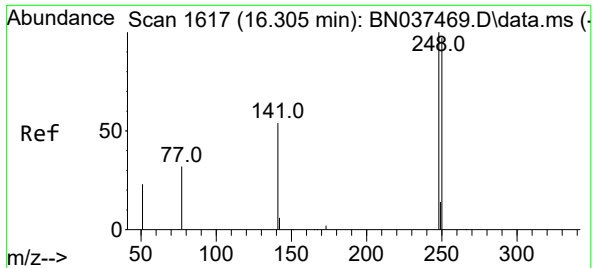
Tgt Ion:188 Resp: 5508
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.2 9.3 13.9



#20
4,6-Dinitro-2-methylphenol
Concen: 0.044 ng
RT: 15.474 min Scan# 1550
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion:198 Resp: 27
Ion Ratio Lower Upper
198 100
51 212.3 86.0 129.0#
105 138.5 53.0 79.4#





#21

4-Bromophenyl-phenylether

Concen: 0.041 ng

RT: 16.300 min Scan# 1617

Delta R.T. -0.004 min

Lab File: BN037492.D

Acq: 14 Jul 2025 15:34

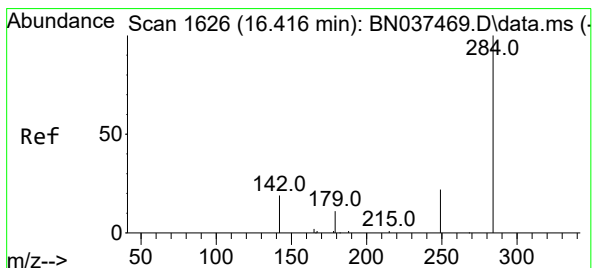
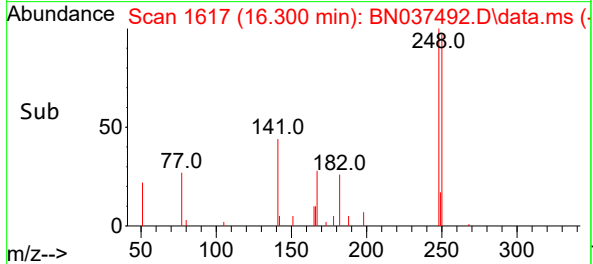
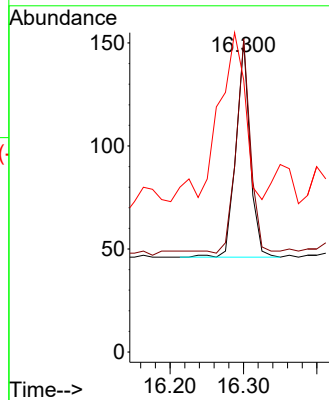
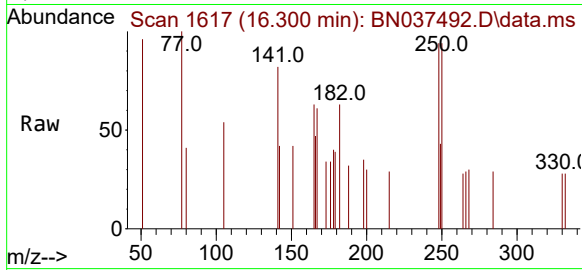
Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2MSD

Tgt Ion:248	Resp:	140
Ion Ratio	Lower	Upper
248	100	
250	100.7	77.8 116.6
141	87.4	45.9 68.9#



#22

Hexachlorobenzene

Concen: 0.042 ng

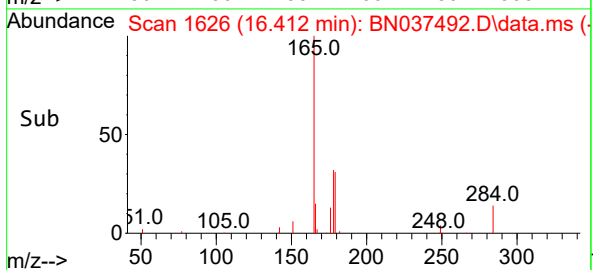
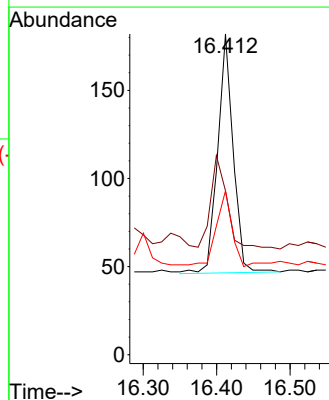
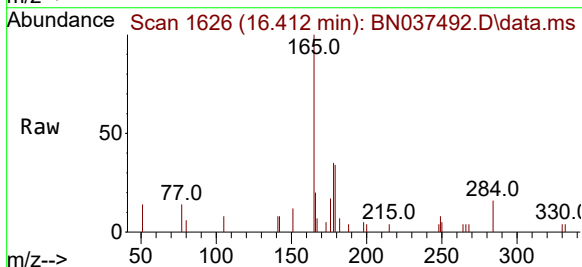
RT: 16.412 min Scan# 1626

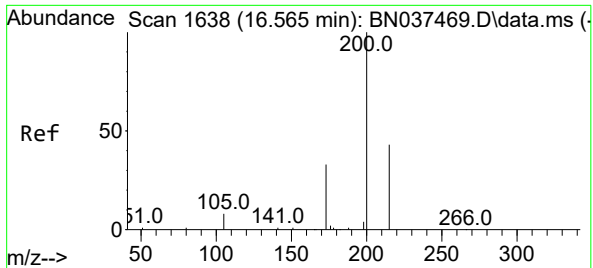
Delta R.T. -0.004 min

Lab File: BN037492.D

Acq: 14 Jul 2025 15:34

Tgt Ion:284	Resp:	199
Ion Ratio	Lower	Upper
284	100	
142	41.2	31.3 46.9
249	32.2	26.6 40.0

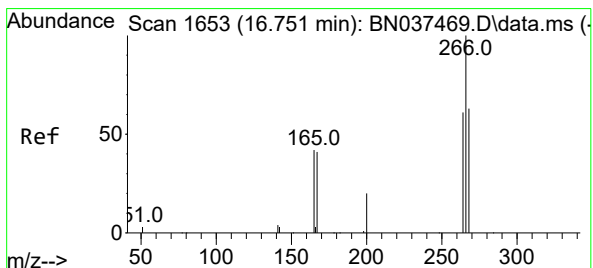
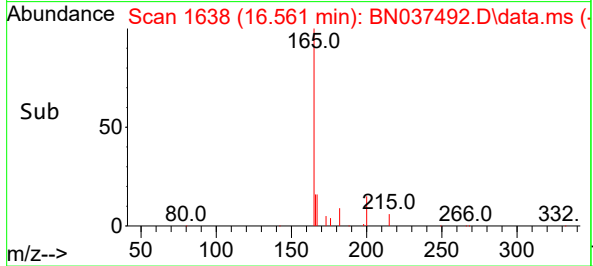
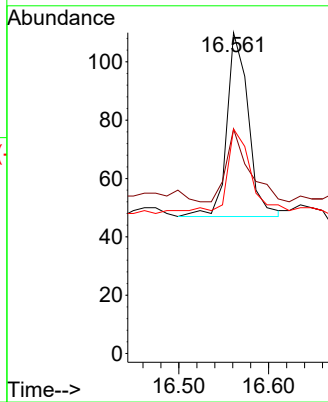
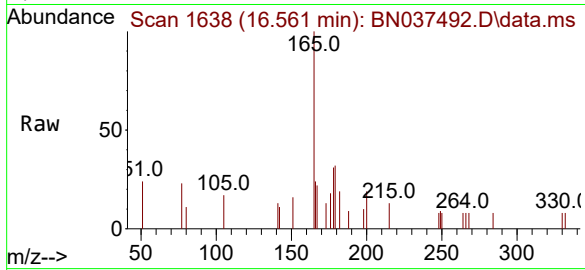




#23
Atrazine
Concen: 0.061 ng
RT: 16.561 min Scan# 1638
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

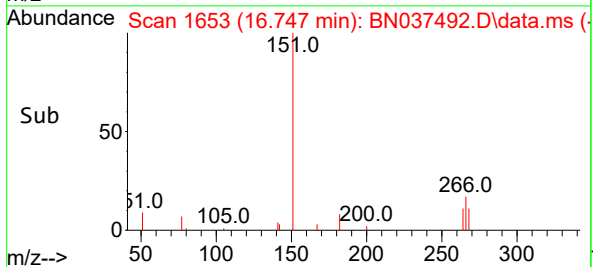
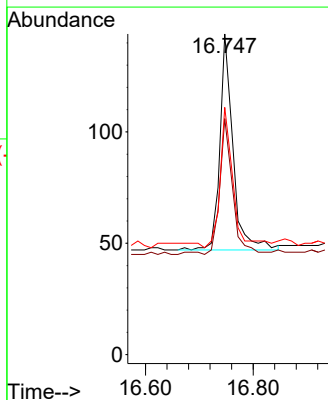
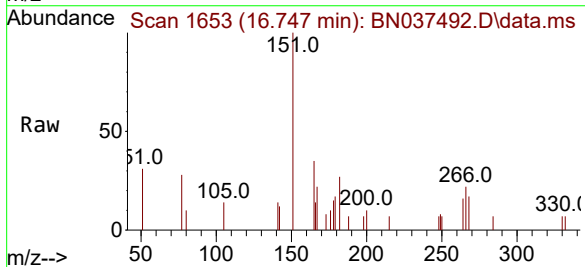
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

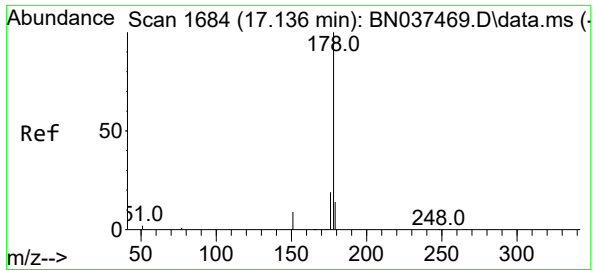
Tgt Ion:200 Resp: 104
Ion Ratio Lower Upper
200 100
173 70.0 34.3 51.5#
215 70.0 41.6 62.4#



#24
Pentachlorophenol
Concen: 0.101 ng
RT: 16.747 min Scan# 1653
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion:266 Resp: 165
Ion Ratio Lower Upper
266 100
264 61.2 47.5 71.3
268 64.2 50.6 76.0

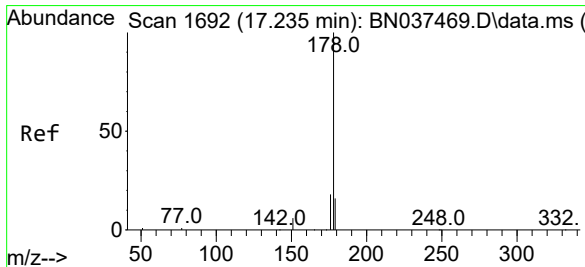
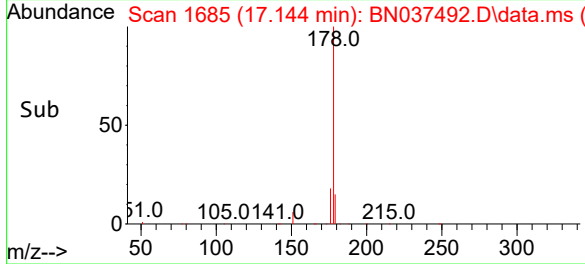
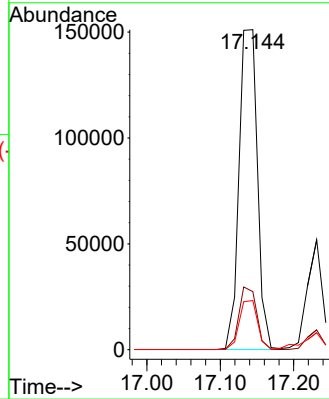
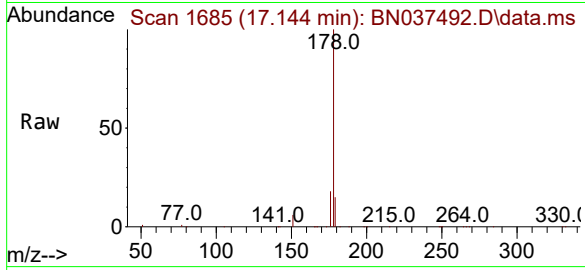




#25
Phenanthrene
Concen: 15.683 ng
RT: 17.144 min Scan# 1685
Delta R.T. 0.008 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

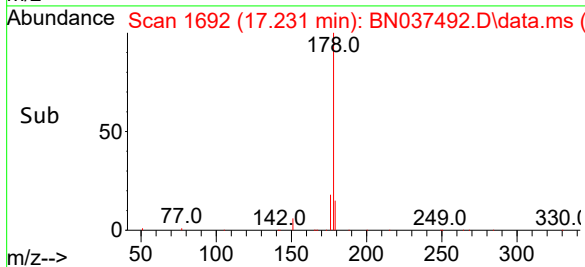
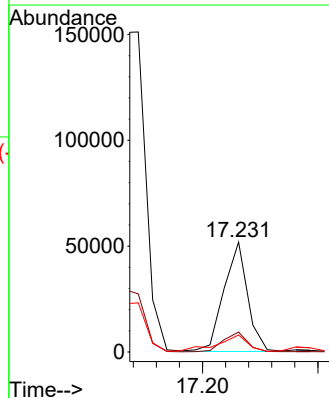
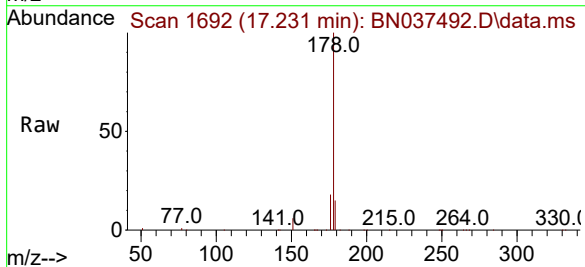
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

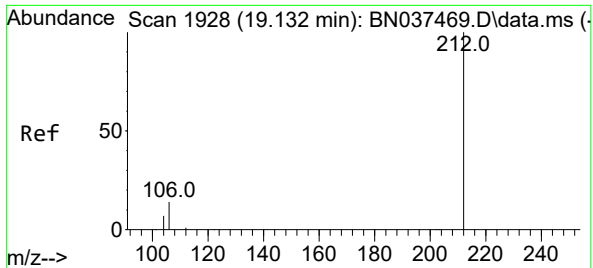
Tgt Ion:178 Resp: 263023
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.4 12.2 18.2



#26
Anthracene
Concen: 4.889 ng m
RT: 17.231 min Scan# 1692
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion:178 Resp: 73995
Ion Ratio Lower Upper
178 100
176 67.1 14.9 22.3#
179 54.6 12.3 18.5#





#27

Fluoranthene-d10

Concen: 0.036 ng

RT: 19.128 min Scan# 1928

Delta R.T. -0.004 min

Lab File: BN037492.D

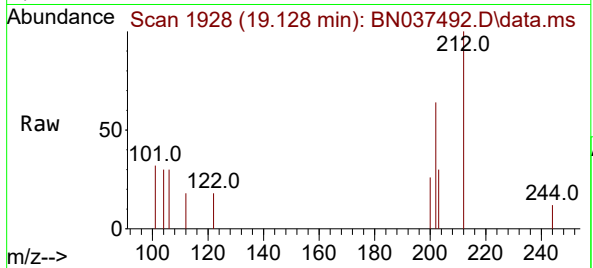
Acq: 14 Jul 2025 15:34

Instrument :

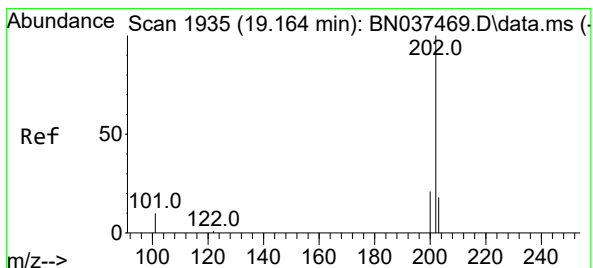
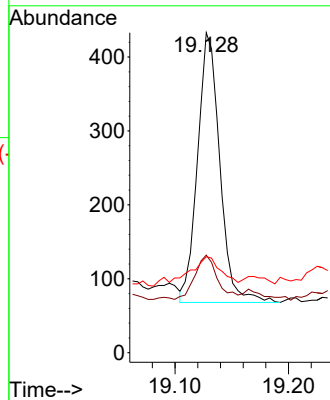
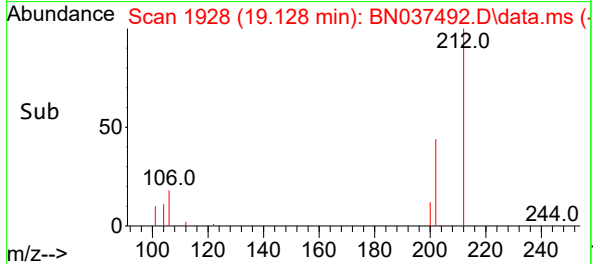
BNA_N

ClientSampleId :

WC-URBAN-FILL-B2MSD



Tgt Ion:	212	Resp:	496
Ion Ratio	Lower	Upper	
212	100		
106	16.5	11.7	17.5
104	11.7	6.6	10.0#



#28

Fluoranthene

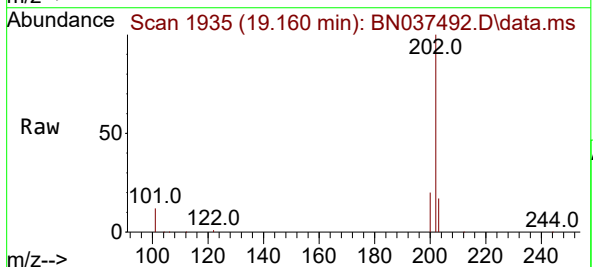
Concen: 15.887 ng

RT: 19.160 min Scan# 1935

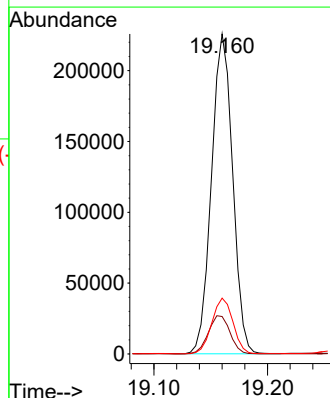
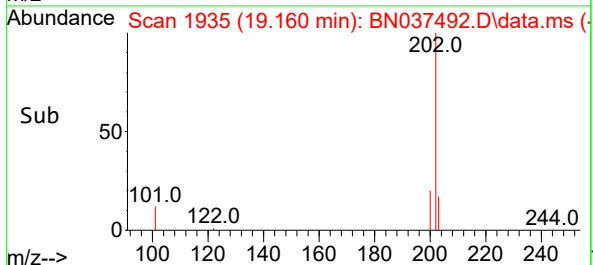
Delta R.T. -0.004 min

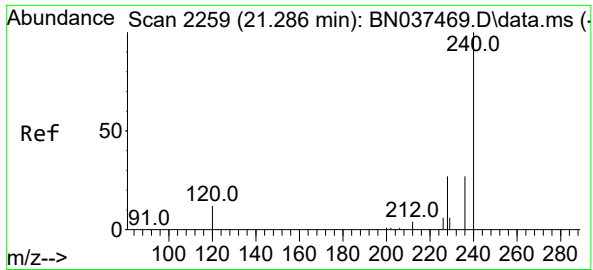
Lab File: BN037492.D

Acq: 14 Jul 2025 15:34



Tgt Ion:	202	Resp:	292394
Ion Ratio	Lower	Upper	
202	100		
101	12.2	9.2	13.8
203	17.3	14.0	21.0

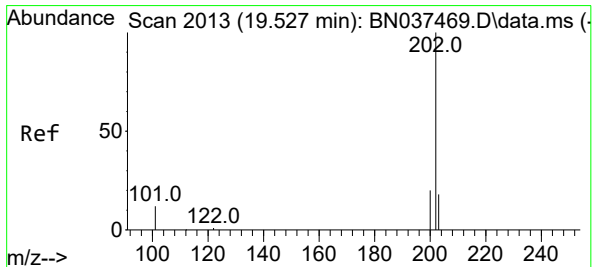
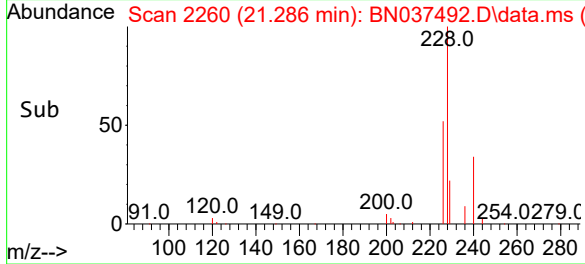
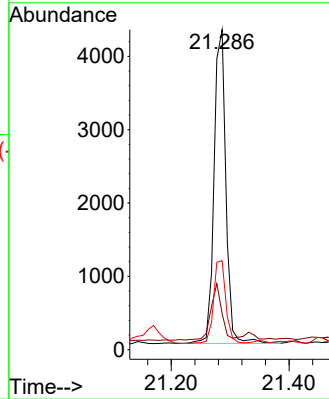
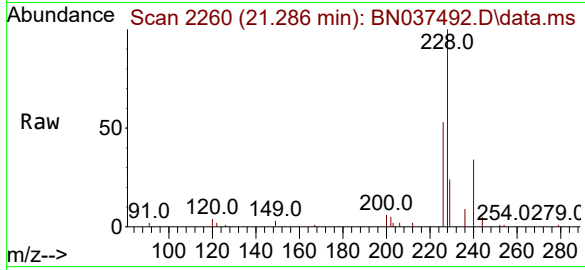




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.286 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

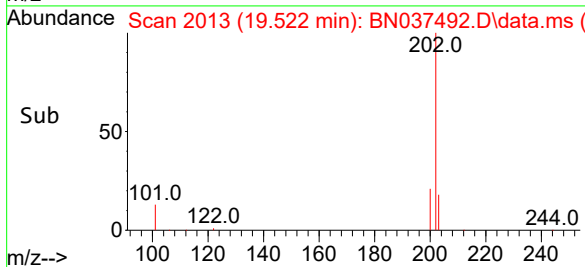
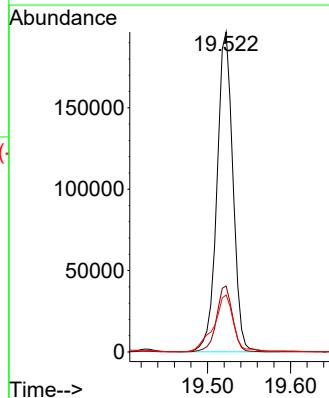
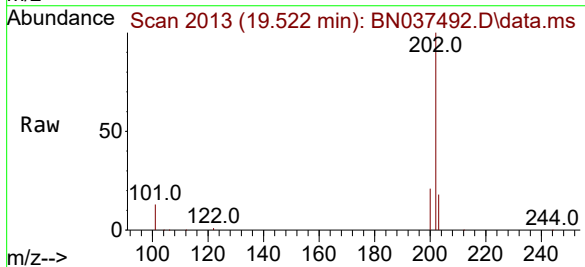
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

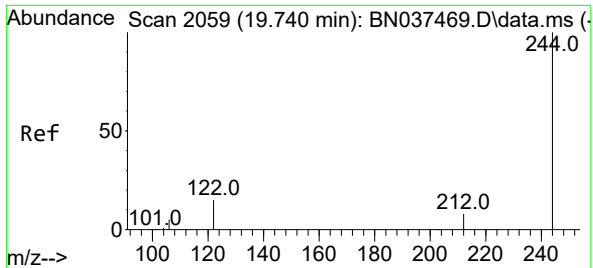
Tgt Ion:	240	Resp:	5967
Ion Ratio	Lower	Upper	
240	100		
120	11.3	12.4	18.6#
236	27.8	22.9	34.3



#30
Pyrene
Concen: 10.916 ng
RT: 19.522 min Scan# 2013
Delta R.T. -0.004 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion:	202	Resp:	261878
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.4	24.6
203	22.4	14.3	21.5#

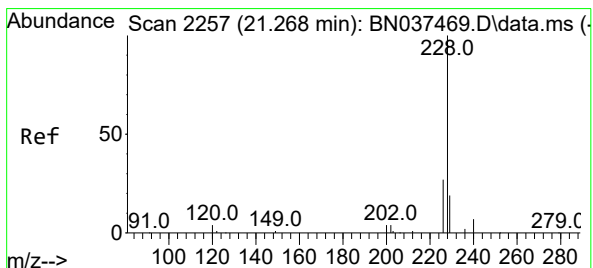
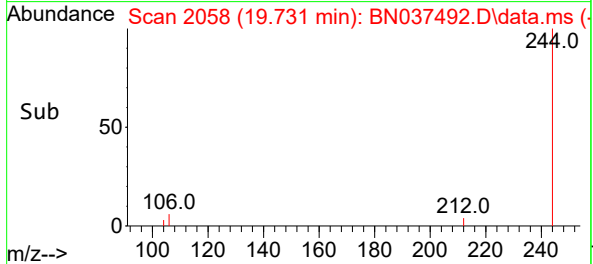
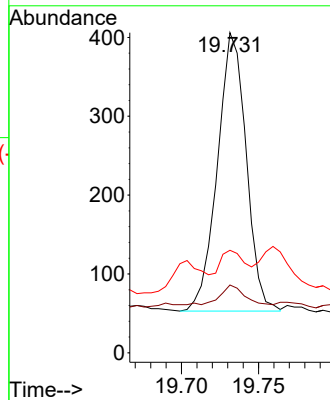
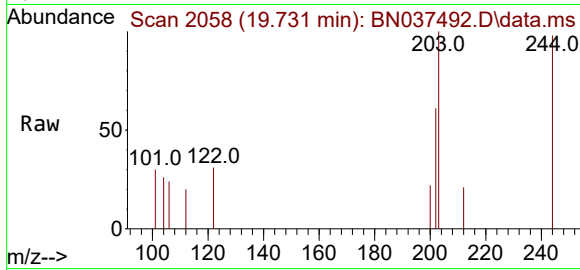




#31
Terphenyl-d14
Concen: 0.037 ng
RT: 19.731 min Scan# 2058
Delta R.T. -0.009 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

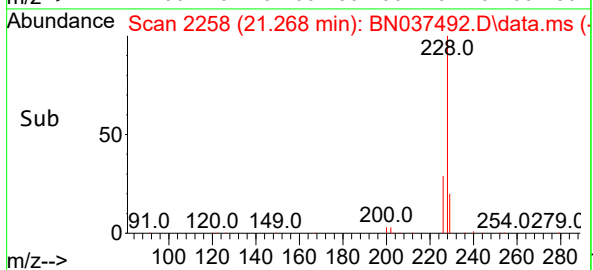
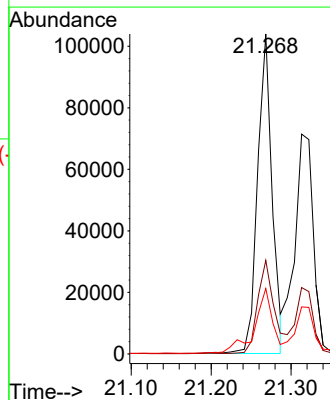
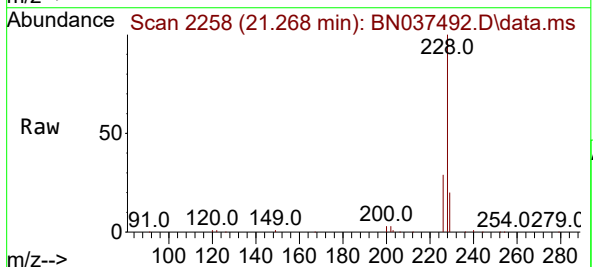
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

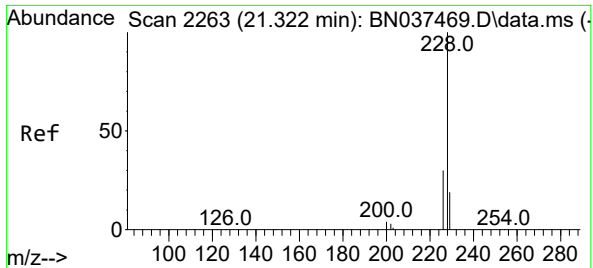
Tgt Ion:244 Resp: 459
Ion Ratio Lower Upper
244 100
212 21.2 8.7 13.1#
122 32.0 14.1 21.1#



#32
Benzo(a)anthracene
Concen: 6.487 ng
RT: 21.268 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion:228 Resp: 131090
Ion Ratio Lower Upper
228 100
226 29.3 22.7 34.1
229 20.4 16.6 24.8

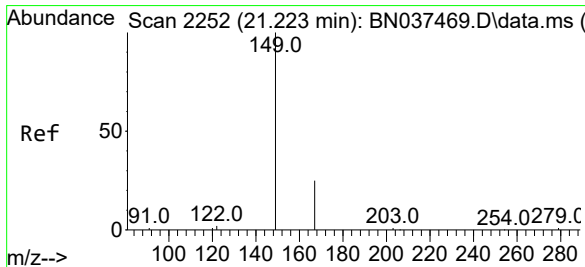
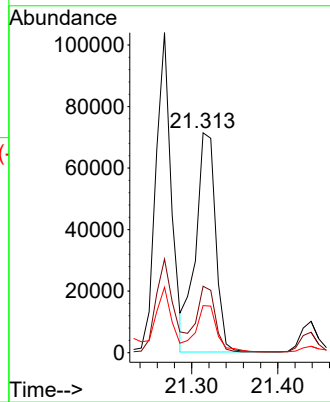
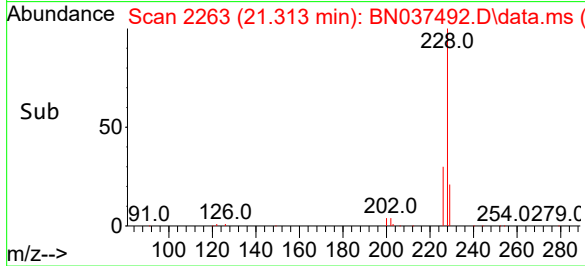
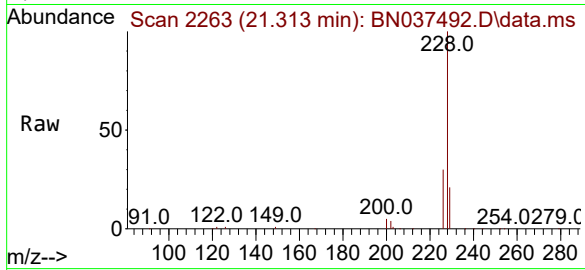




#33
Chrysene
Concen: 5.224 ng
RT: 21.313 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

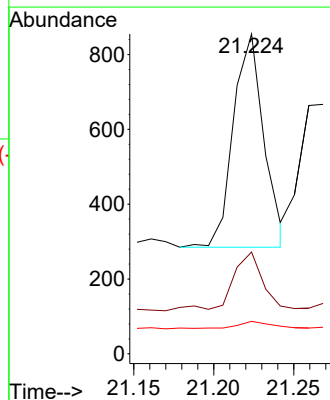
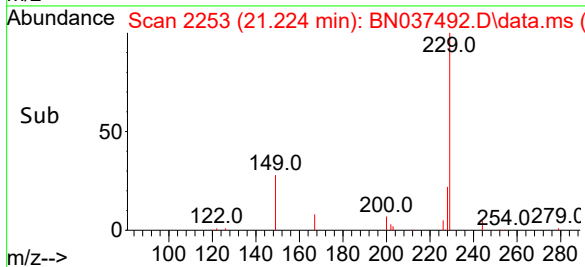
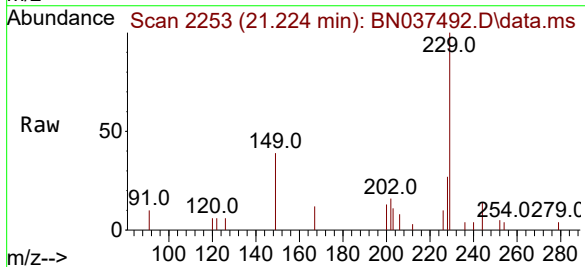
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

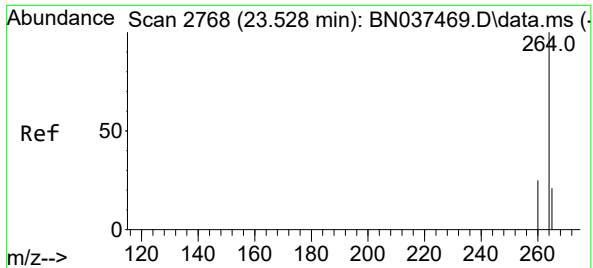
Tgt Ion:228 Resp: 115396
Ion Ratio Lower Upper
228 100
226 30.2 24.6 36.8
229 21.4 16.4 24.6



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.110 ng
RT: 21.224 min Scan# 2253
Delta R.T. 0.000 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion:149 Resp: 754
Ion Ratio Lower Upper
149 100
167 28.0 19.4 29.2
279 3.6 2.5 3.7

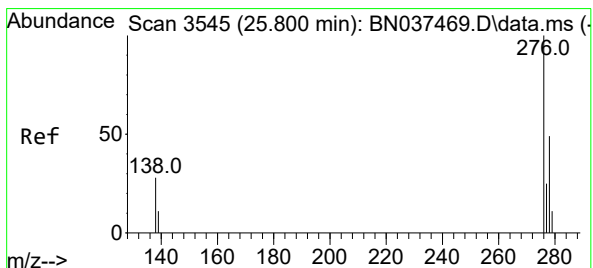
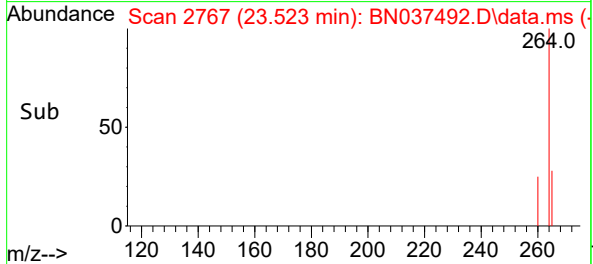
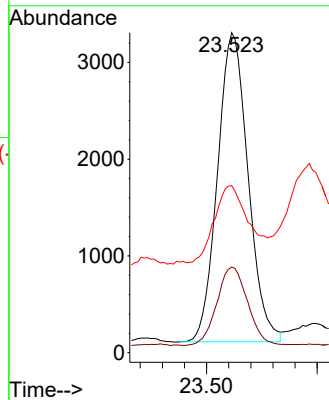
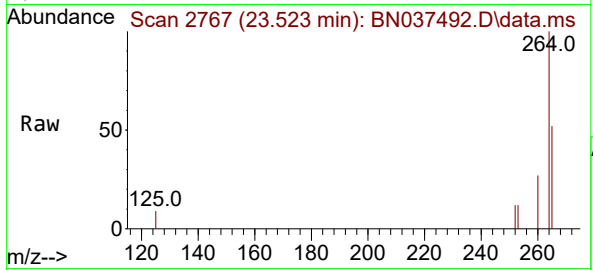




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.523 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

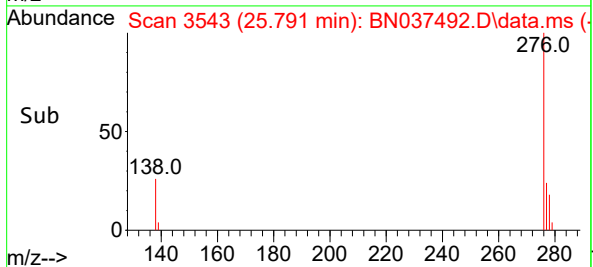
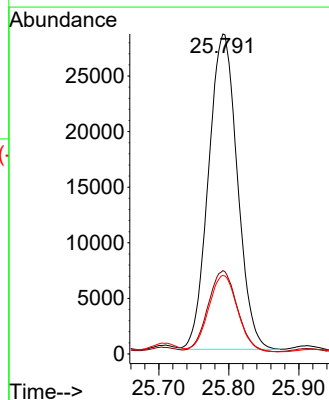
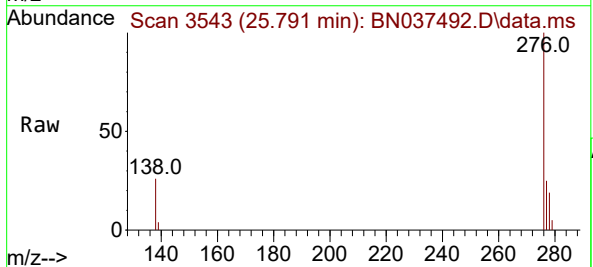
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2MSD

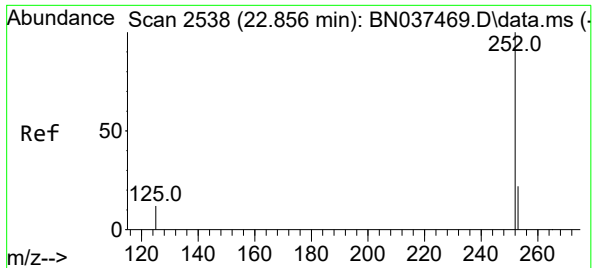
Tgt Ion:264 Resp: 6132
Ion Ratio Lower Upper
264 100
260 26.8 21.7 32.5
265 52.2 41.6 62.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 3.411 ng
RT: 25.791 min Scan# 3543
Delta R.T. -0.008 min
Lab File: BN037492.D
Acq: 14 Jul 2025 15:34

Tgt Ion:276 Resp: 81186
Ion Ratio Lower Upper
276 100
138 26.8 23.4 35.2
277 24.6 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 6.285 ng m

RT: 22.856 min Scan# 2538

Delta R.T. 0.000 min

Lab File: BN037492.D

Acq: 14 Jul 2025 15:34

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2MSD

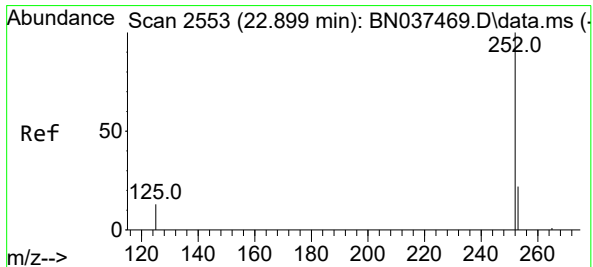
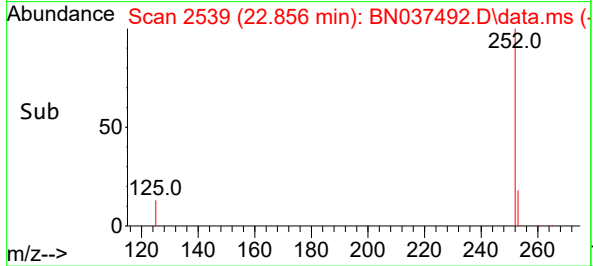
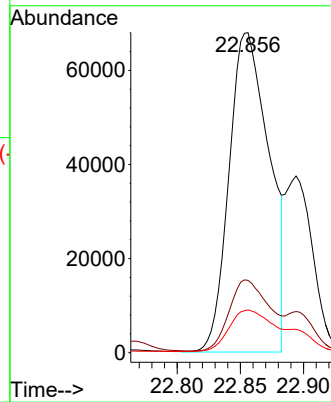
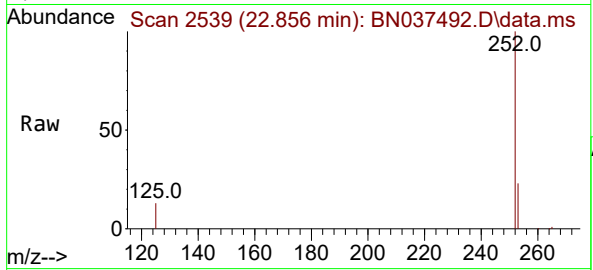
Tgt Ion:252 Resp: 149886

Ion Ratio Lower Upper

252 100

253 22.6 20.1 30.1

125 13.3 13.7 20.5#



#38

Benzo(k)fluoranthene

Concen: 2.406 ng m

RT: 22.894 min Scan# 2552

Delta R.T. -0.005 min

Lab File: BN037492.D

Acq: 14 Jul 2025 15:34

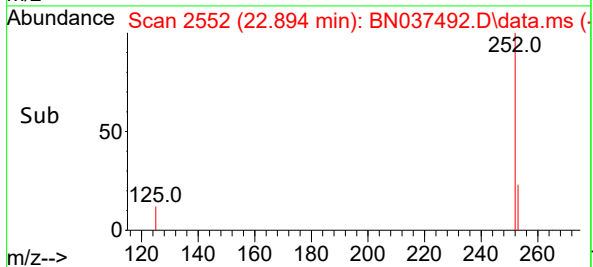
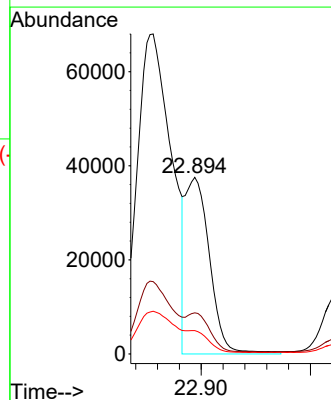
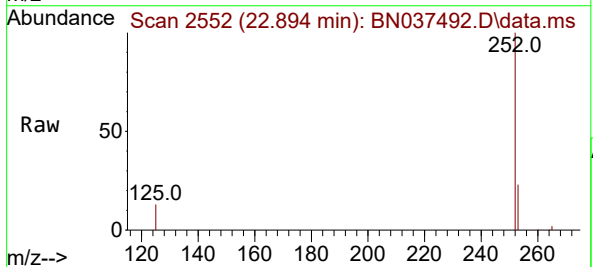
Tgt Ion:252 Resp: 58149

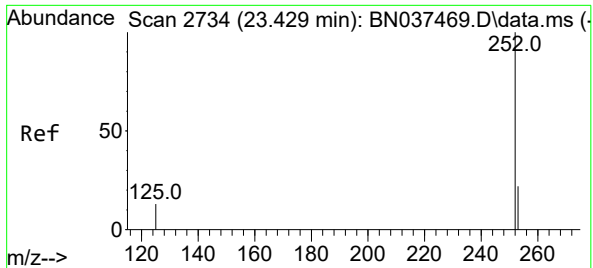
Ion Ratio Lower Upper

252 100

253 23.3 20.4 30.6

125 13.2 14.6 21.8#





#39

Benzo(a)pyrene

Concen: 6.236 ng m

RT: 23.426 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037492.D

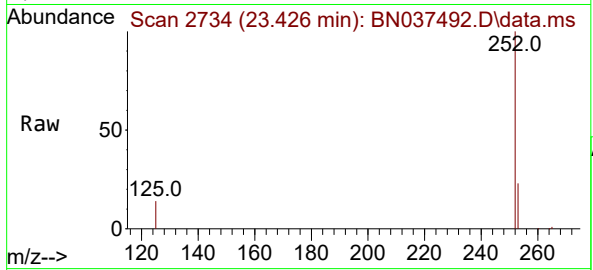
Acq: 14 Jul 2025 15:34

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2MSD



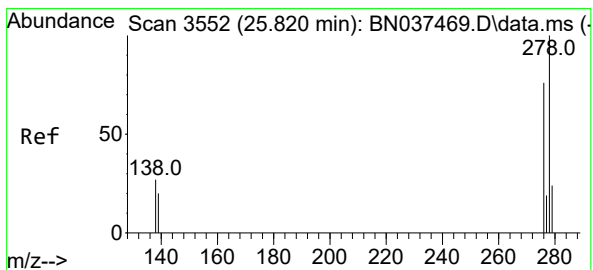
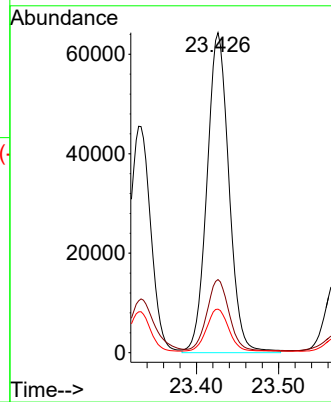
Tgt Ion:252 Resp: 119682

Ion Ratio Lower Upper

252 100

253 22.8 21.8 32.6

125 13.6 16.7 25.1#



#40

Dibenzo(a,h)anthracene

Concen: 0.991 ng

RT: 25.800 min Scan# 3546

Delta R.T. -0.020 min

Lab File: BN037492.D

Acq: 14 Jul 2025 15:34

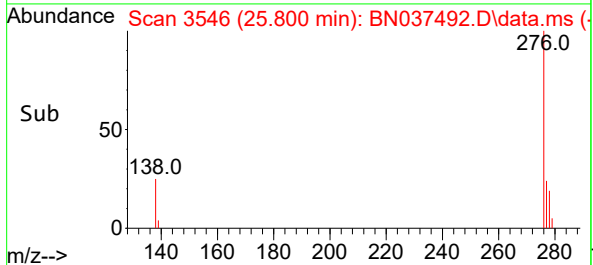
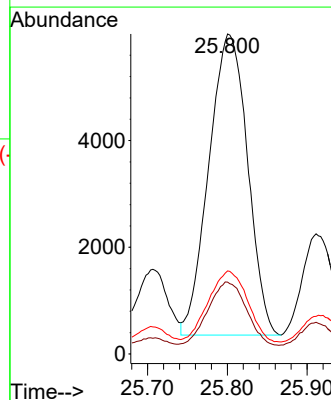
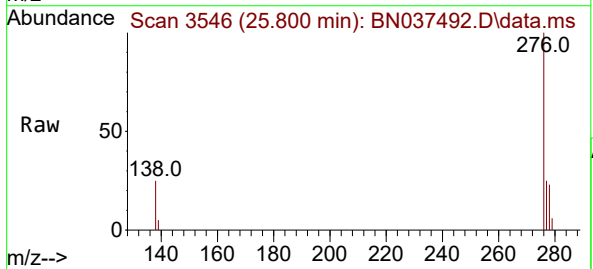
Tgt Ion:278 Resp: 19031

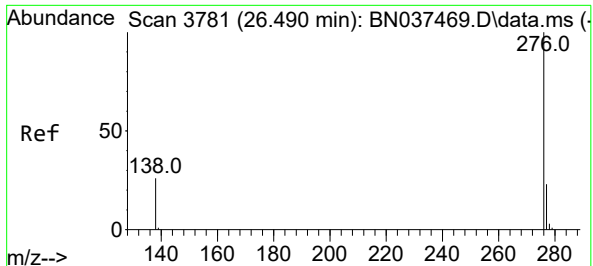
Ion Ratio Lower Upper

278 100

139 22.4 19.9 29.9

279 26.0 24.8 37.2





#41

Benzo(g,h,i)perylene

Concen: 4.331 ng

RT: 26.481 min Scan# 31

Delta R.T. -0.008 min

Lab File: BN037492.D

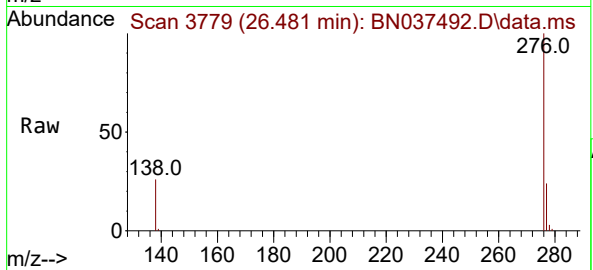
Acq: 14 Jul 2025 15:34

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2MSD



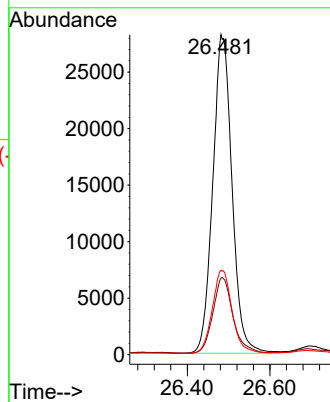
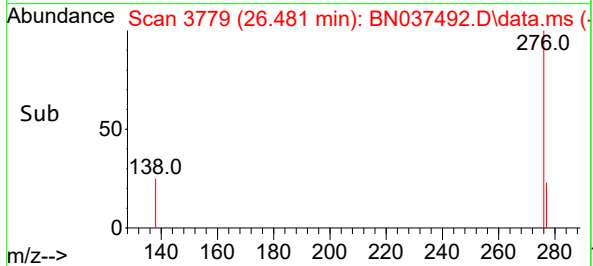
Tgt Ion:276 Resp: 91064

Ion Ratio Lower Upper

276 100

277 23.9 21.7 32.5

138 26.4 24.3 36.5





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

Manual Integration Report

Sequence:

BN071125

Instrument

BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC0.4	BN037481.D	Benzo(k)fluoranthene	Rahul	7/14/2025 11:10:47 AM	Jagrut	7/14/2025 2:28:47 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BN071425	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2580-02	BN037490.D	Anthracene	Rahul	7/15/2025 1:04:28 PM	Jagrut	7/15/2025 2:42:46 PM	Peak Integrated by Software
Q2580-02	BN037490.D	Benzo(a)pyrene	Rahul	7/15/2025 1:04:28 PM	Jagrut	7/15/2025 2:42:46 PM	Peak Integrated by Software
Q2580-02	BN037490.D	Benzo(b)fluoranthene	Rahul	7/15/2025 1:04:28 PM	Jagrut	7/15/2025 2:42:46 PM	Peak Integrated by Software
Q2580-02	BN037490.D	Benzo(k)fluoranthene	Rahul	7/15/2025 1:04:28 PM	Jagrut	7/15/2025 2:42:46 PM	Peak Integrated by Software
Q2580-02MS	BN037491.D	2-Methylnaphthalene-d10	Rahul	7/15/2025 1:04:30 PM	Jagrut	7/15/2025 2:42:50 PM	Peak Integrated by Software
Q2580-02MS	BN037491.D	Anthracene	Rahul	7/15/2025 1:04:30 PM	Jagrut	7/15/2025 2:42:50 PM	Peak Integrated by Software
Q2580-02MS	BN037491.D	Benzo(a)pyrene	Rahul	7/15/2025 1:04:30 PM	Jagrut	7/15/2025 2:42:50 PM	Peak Integrated by Software
Q2580-02MS	BN037491.D	Benzo(b)fluoranthene	Rahul	7/15/2025 1:04:30 PM	Jagrut	7/15/2025 2:42:50 PM	Peak Integrated by Software
Q2580-02MS	BN037491.D	Benzo(k)fluoranthene	Rahul	7/15/2025 1:04:30 PM	Jagrut	7/15/2025 2:42:50 PM	Peak Integrated by Software
Q2580-02MS	BN037491.D	Fluoranthene-d10	Rahul	7/15/2025 1:04:30 PM	Jagrut	7/15/2025 2:42:50 PM	Peak Integrated by Software
Q2580-02MSD	BN037492.D	2-Methylnaphthalene-d10	Rahul	7/15/2025 1:04:32 PM	Jagrut	7/15/2025 2:42:52 PM	Peak Integrated by Software
Q2580-02MSD	BN037492.D	Anthracene	Rahul	7/15/2025 1:04:32 PM	Jagrut	7/15/2025 2:42:52 PM	Peak Integrated by Software
Q2580-02MSD	BN037492.D	Benzo(a)pyrene	Rahul	7/15/2025 1:04:32 PM	Jagrut	7/15/2025 2:42:52 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

BN071425

Instrument

BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2580-02MSD	BN037492.D	Benzo(b)fluoranthene	Rahul	7/15/2025 1:04:32 PM	Jagrut	7/15/2025 2:42:52 PM	Peak Integrated by Software
Q2580-02MSD	BN037492.D	Benzo(k)fluoranthene	Rahul	7/15/2025 1:04:32 PM	Jagrut	7/15/2025 2:42:52 PM	Peak Integrated by Software
Q2580-02DL	BN037493.D	Anthracene	Rahul	7/15/2025 1:04:34 PM	Jagrut	7/15/2025 2:42:55 PM	Peak Integrated by Software
Q2580-02DL	BN037493.D	Benzo(k)fluoranthene	Rahul	7/15/2025 1:04:34 PM	Jagrut	7/15/2025 2:42:55 PM	Peak Integrated by Software
Q2580-02DL	BN037493.D	Chrysene	Rahul	7/15/2025 1:04:34 PM	Jagrut	7/15/2025 2:42:55 PM	Peak Integrated by Software
PB168831BS	BN037494.D	2-Methylnaphthalene-d10	Rahul	7/15/2025 1:04:37 PM	Jagrut	7/15/2025 2:42:58 PM	Peak Integrated by Software

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN071125

Review By	Rahul	Review On	7/14/2025 11:11:52 AM
Supervise By	Jagrut	Supervise On	7/14/2025 2:29:11 PM
SubDirectory	BN071125	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn071125
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848		
CCC	SP6846		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6854		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037465.D	11 Jul 2025 08:36	RC/JU	Ok
2	SSTDCCC0.4	BN037466.D	11 Jul 2025 09:51	RC/JU	Not Ok
3	SSTDICC0.1	BN037467.D	11 Jul 2025 11:10	RC/JU	Ok
4	SSTDICC0.2	BN037468.D	11 Jul 2025 11:46	RC/JU	Ok
5	SSTDICCC0.4	BN037469.D	11 Jul 2025 12:22	RC/JU	Ok
6	SSTDICC0.8	BN037470.D	11 Jul 2025 12:59	RC/JU	Ok
7	SSTDICC1.6	BN037471.D	11 Jul 2025 13:36	RC/JU	Ok
8	SSTDICC3.2	BN037472.D	11 Jul 2025 14:12	RC/JU	Ok
9	SSTDICC5.0	BN037473.D	11 Jul 2025 14:49	RC/JU	Ok
10	SSTDICV0.4	BN037474.D	11 Jul 2025 15:25	RC/JU	Ok
11	PB168720BL	BN037475.D	11 Jul 2025 16:02	RC/JU	Ok
12	Q2126-09	BN037476.D	11 Jul 2025 16:39	RC/JU	Ok,M
13	Q2126-09	BN037477.D	11 Jul 2025 17:16	RC/JU	Ok
14	Q2126-03	BN037478.D	11 Jul 2025 17:52	RC/JU	Ok
15	Q2126-03	BN037479.D	11 Jul 2025 18:29	RC/JU	Ok
16	PB168721BL	BN037480.D	11 Jul 2025 19:06	RC/JU	Ok
17	SSTDCCC0.4	BN037481.D	11 Jul 2025 19:43	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN071425

Review By	Rahul	Review On	7/15/2025 1:04:59 PM
Supervise By	Jagrut	Supervise On	7/15/2025 2:43:18 PM
SubDirectory	BN071425	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn071125
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848		
CCC	SP6846		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6854		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037482.D	14 Jul 2025 08:31	RC/JU	Ok
2	SSTDCCC0.4	BN037483.D	14 Jul 2025 09:10	RC/JU	Ok
3	PB168696BL	BN037484.D	14 Jul 2025 09:49	RC/JU	Ok
4	Q2488-01	BN037485.D	14 Jul 2025 10:26	RC/JU	Ok
5	Q2488-02	BN037486.D	14 Jul 2025 11:02	RC/JU	Ok
6	PB168720BS	BN037487.D	14 Jul 2025 11:39	RC/JU	Ok
7	PB168720BSD	BN037488.D	14 Jul 2025 12:15	RC/JU	Ok,M
8	Q2580-02	BN037489.D	14 Jul 2025 13:27	RC/JU	Not Ok
9	Q2580-02	BN037490.D	14 Jul 2025 14:21	RC/JU	Dilution
10	Q2580-02MS	BN037491.D	14 Jul 2025 14:57	RC/JU	Ok,M
11	Q2580-02MSD	BN037492.D	14 Jul 2025 15:34	RC/JU	Ok,M
12	Q2580-02DL	BN037493.D	14 Jul 2025 16:11	RC/JU	Ok,M
13	PB168831BS	BN037494.D	14 Jul 2025 16:47	RC/JU	Ok,M
14	PB168831BL	BN037495.D	14 Jul 2025 17:24	RC/JU	Ok
15	SSTDCCC0.4	BN037496.D	14 Jul 2025 18:00	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN071125

Review By	Rahul	Review On	7/14/2025 11:11:52 AM
Supervise By	Jagrut	Supervise On	7/14/2025 2:29:11 PM
SubDirectory	BN071125	HP Acquire Method	BNA_N, 8270_HP Processing Method bn071125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037465.D	11 Jul 2025 08:36		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037466.D	11 Jul 2025 09:51	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC0.1	SSTDICC0.1	BN037467.D	11 Jul 2025 11:10		RC/JU	Ok
4	SSTDICC0.2	SSTDICC0.2	BN037468.D	11 Jul 2025 11:46		RC/JU	Ok
5	SSTDICCC0.4	SSTDICCC0.4	BN037469.D	11 Jul 2025 12:22		RC/JU	Ok
6	SSTDICC0.8	SSTDICC0.8	BN037470.D	11 Jul 2025 12:59		RC/JU	Ok
7	SSTDICC1.6	SSTDICC1.6	BN037471.D	11 Jul 2025 13:36		RC/JU	Ok
8	SSTDICC3.2	SSTDICC3.2	BN037472.D	11 Jul 2025 14:12		RC/JU	Ok
9	SSTDICC5.0	SSTDICC5.0	BN037473.D	11 Jul 2025 14:49	Compound#20,23 removed from 5 ppm	RC/JU	Ok
10	SSTDICV0.4	ICVBN071125	BN037474.D	11 Jul 2025 15:25		RC/JU	Ok
11	PB168720BL	PB168720BL	BN037475.D	11 Jul 2025 16:02		RC/JU	Ok
12	Q2126-09	MDL-WATER-03-QT2-2	BN037476.D	11 Jul 2025 16:39	MDL-WATER -0.1 ppm	RC/JU	Ok,M
13	Q2126-09	MDL-WATER-03-QT2-2	BN037477.D	11 Jul 2025 17:16	MDL-WATER -0.2 ppm	RC/JU	Ok
14	Q2126-03	MDL-SOIL-03-QT2-202	BN037478.D	11 Jul 2025 17:52	MDL-SOIL -0.1 ppm	RC/JU	Ok
15	Q2126-03	MDL-SOIL-03-QT2-202	BN037479.D	11 Jul 2025 18:29	MDL-SOIL-0.2 PPM	RC/JU	Ok
16	PB168721BL	PB168721BL	BN037480.D	11 Jul 2025 19:06		RC/JU	Ok
17	SSTDCCC0.4	SSTDCCC0.4EC	BN037481.D	11 Jul 2025 19:43		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN071425

Review By	Rahul	Review On	7/15/2025 1:04:59 PM
Supervise By	Jagrut	Supervise On	7/15/2025 2:43:18 PM
SubDirectory	BN071425	HP Acquire Method	BNA_N, 8270_HP Processing Method bn071125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842, SP6843, SP6844, SP6845, SP6846, SP6847, SP6848
CCC	SP6846
Internal Standard/PEM	SP6740, 1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037482.D	14 Jul 2025 08:31		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037483.D	14 Jul 2025 09:10		RC/JU	Ok
3	PB168696BL	PB168696BL	BN037484.D	14 Jul 2025 09:49		RC/JU	Ok
4	Q2488-01	RW8-SP100-20250701	BN037485.D	14 Jul 2025 10:26		RC/JU	Ok
5	Q2488-02	RW8-SP303-20250701	BN037486.D	14 Jul 2025 11:02		RC/JU	Ok
6	PB168720BS	PB168720BS	BN037487.D	14 Jul 2025 11:39		RC/JU	Ok
7	PB168720BSD	PB168720BSD	BN037488.D	14 Jul 2025 12:15		RC/JU	Ok,M
8	Q2580-02	WC-URBAN-FILL-B2	BN037489.D	14 Jul 2025 13:27	Concentrated Matrix, Analyze with 10X dilution as a first run.	RC/JU	Not Ok
9	Q2580-02	WC-URBAN-FILL-B2	BN037490.D	14 Jul 2025 14:21	Need further 10X dilution	RC/JU	Dilution
10	Q2580-02MS	WC-URBAN-FILL-B2M	BN037491.D	14 Jul 2025 14:57	Internal Standard Failed	RC/JU	Ok,M
11	Q2580-02MSD	WC-URBAN-FILL-B2M	BN037492.D	14 Jul 2025 15:34	Internal Standard Failed	RC/JU	Ok,M
12	Q2580-02DL	WC-URBAN-FILL-B2DL	BN037493.D	14 Jul 2025 16:11		RC/JU	Ok,M
13	PB168831BS	PB168831BS	BN037494.D	14 Jul 2025 16:47		RC/JU	Ok,M
14	PB168831BL	PB168831BL	BN037495.D	14 Jul 2025 17:24		RC/JU	Ok
15	SSTDCCC0.4	SSTDCCC0.4EC	BN037496.D	14 Jul 2025 18:00		RC/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/14/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136437

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2561-01	AUD-25-0115	1	1.15	10.37	11.52	11.33	98.2	
Q2561-02	AUD-25-0116	2	1.13	10.33	11.46	11.22	97.7	
Q2578-02	WC-A5-01-C	13	1.15	10.23	11.38	9.84	84.9	
Q2578-06	WC-A2-09-C	14	1.18	10.33	11.51	8.94	75.1	
Q2578-10	WC-A2-10-C	15	1.15	10.33	11.48	8.58	71.9	
Q2578-14	WC-A2-11-C	16	1.16	10.44	11.6	9.81	82.9	
Q2578-18	WC-A2-12-C	17	1.18	10.29	11.47	7.91	65.4	
Q2579-02	WC-A2-13-C	18	1.19	10.53	11.72	8.78	72.1	
Q2579-06	WC-A2-14-C	19	1.12	10.54	11.66	9.82	82.5	
Q2580-01	WC-URBAN-FILL-B1	20	1.18	10.04	11.22	10.6	93.8	
Q2580-02	WC-URBAN-FILL-B2	21	1.17	10.82	11.99	11.4	94.5	
Q2581-05	SVOC-GPC-BLANK	3	1.00	1.00	2.00	2.00	100.0	
Q2581-06	PEST-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2581-07	PEST-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q2581-08	PCB-GPC-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q2581-09	PCB-GPC-BLANK-SPIKE	7	1.00	1.00	2.00	2.00	100.0	
Q2581-10	SVOC-GPC2-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q2581-11	PEST-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q2581-12	PEST-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q2581-13	PCB-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2581-14	PCB-GCP2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2586-01	TP-16	22	1.18	10.21	11.39	10.36	89.9	
Q2586-02	TP-16-EPH	23	1.15	10.84	11.99	11.34	94.0	
Q2586-03	TP-16-VOC	24	1.13	10.44	11.57	10.45	89.3	
Q2587-01	E-2257	25	1.00	1.00	2.00	2.00	100.0	oil sample
Q2587-02	F-2258	26	1.00	1.00	2.00	2.00	100.0	oil sample
Q2587-03	O-2267	27	1.00	1.00	2.00	2.00	100.0	oil sample
Q2589-01	AU-6-071125	28	1.15	10.43	11.58	10.35	88.2	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/14/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136437

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q2590-01	NB-7-071125	29	1.14	10.44	11.58	11.23	96.6	
Q2590-02	NB-7-071125-E2	30	1.13	10.74	11.87	10.71	89.2	
Q2591-01	72-12000-1	31	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2591-02	72-12000-2	32	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2591-03	NWB-2188	33	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

136437

WorkList Name : %1-071125 WorkList ID : 190653 Department : Wet-Chemistry Date : 07-11-2025 07:59:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2581-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2581-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/04/2025	Chemtech -SO
Q2561-01	AUD-25-0115	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-02	AUD-25-0116	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2586-01	TP-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2586-02	TP-16-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2586-03	TP-16-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2587-01	E-2257	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2587-02	F-2258	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2587-03	O-2267	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2591-01	72-12000-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2591-02	72-12000-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO
Q2591-03	NWB-2188	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/11/2025	Chemtech -SO

Date/Time 07-11-25 13:00 Date/Time 07-11-25 17:30
 Raw Sample Received by: [Signature] Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature] Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136437

WorkList Name : %1-071125 WorkList ID : 190653 Department : Wet-Chemistry Date : 07-11-2025 07:59:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2590-02	NB-07-071125-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	07/11/2025	Chemtech -SO
Q2589-01	AU-06-071125	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	07/11/2025	Chemtech -SO
Q2590-01	NB-07-071125	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	07/11/2025	Chemtech -SO
Q2578-02	WC-A5-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2578-06	WC-A2-09-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2578-10	WC-A2-10-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2578-14	WC-A2-11-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2578-18	WC-A2-12-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2579-02	WC-A2-13-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2579-06	WC-A2-14-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2580-01	WC-URBAN-FILL-B1	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO
Q2580-02	WC-URBAN-FILL-B2	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	07/10/2025	Chemtech -SO

Date/Time 07-11-25 15:00

Raw Sample Received by: SS

Raw Sample Relinquished by: SS

Date/Time 07-11-25 17:30

Raw Sample Received by: SS

Raw Sample Relinquished by: SS

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Extraction Start Date : 07/14/2025

Matrix : Solid

Extraction Start Time : 09:20

Weigh By: EH

Extraction By: RS

Extraction End Date : 07/14/2025

Balance check: EH

Filter By: EH

Extraction End Time : 12:20

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

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	SP6756
Surrogate	1.0ML	0.4 PPM	SP6831
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
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2624
Sand	N/A	E3951
Methylene Chloride	N/A	E3943
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:

1.5ML Vial Lot # 2210443.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

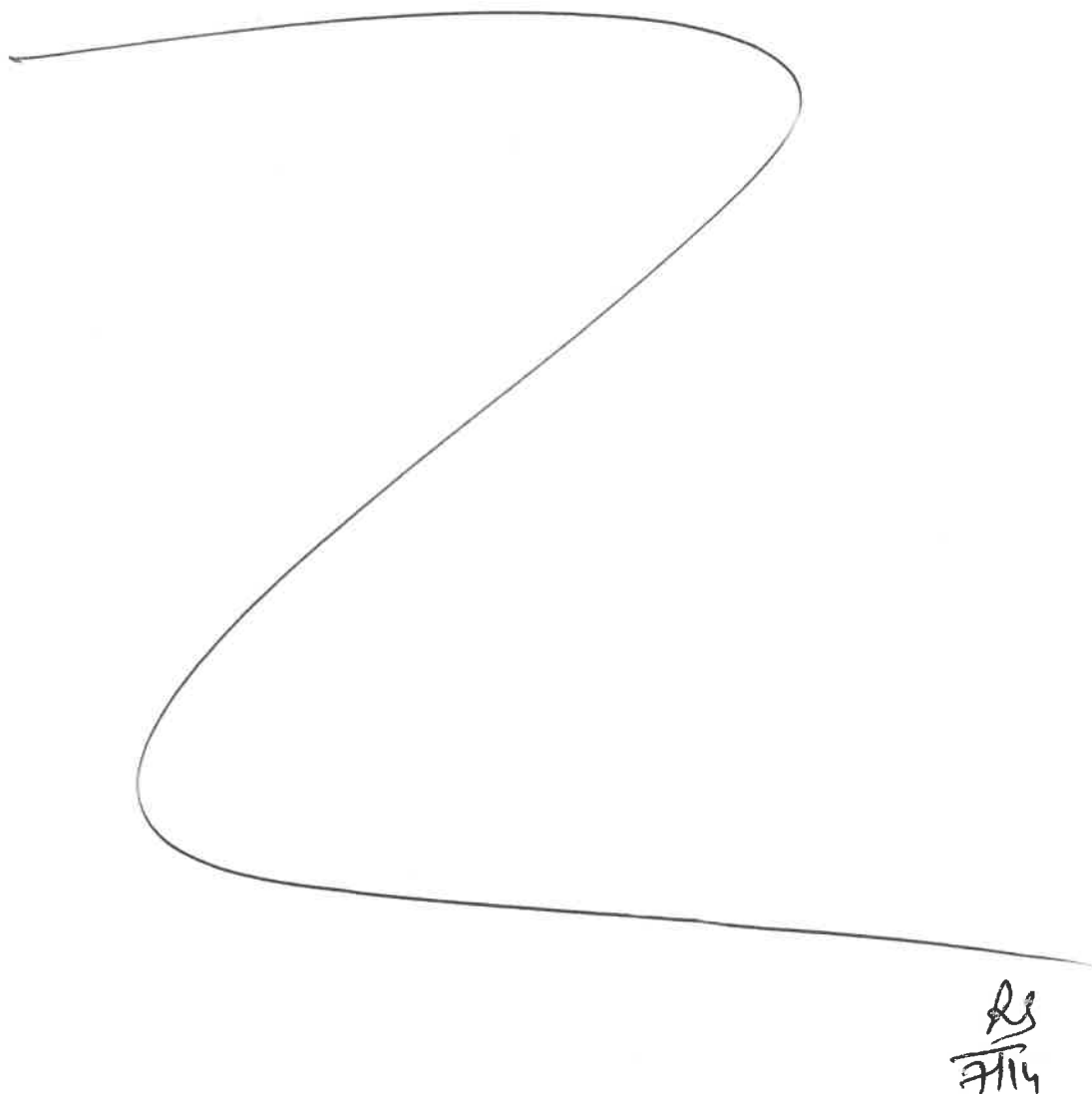
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/14/25	RS (B&B)	R/SVOC
12:25	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 07/14/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168831BL	SBLK831	SVOC-PAH	30.02	N/A	RUPESH	Evelyn	1			U2-1
PB168831BS	SLCS831	SVOC-PAH	30.03	N/A	RUPESH	Evelyn	1			2
Q2580-02	WC-URBAN-FILL-B2	SVOC-PAH	30.05	N/A	RUPESH	Evelyn	1	B		3
Q2580-02MS	WC-URBAN-FILL-B2MS	SVOC-PAH	30.06	N/A	RUPESH	Evelyn	1	B		4
Q2580-02MS D	WC-URBAN-FILL-B2MSD	SVOC-PAH	30.02	N/A	RUPESH	Evelyn	1	B		5



168331
9-10-16

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2580M WorkList ID : 190693 Department : Extraction Date : 07-14-2025 08:56:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2580-02	WC-URBAN-FILL-B2	Solid	SVOC-PAH	Cool 4 deg C	ENTA05	D41	07/10/2025	8270-Modified

Date/Time 7/14/25 9:15
Raw Sample Received by: GH (Ext Lab)
Raw Sample Relinquished by: GH (Ext Lab)

Date/Time 7/14/25 9:30
Raw Sample Received by: GH (Ext Lab)
Raw Sample Relinquished by: GH (Ext Lab)



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q2580

COC Number: 2042103

Page 1 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC
ADDRESS: 150 Bay Street, Suite 806
CITY: Jersey City STATE: NJ ZIP: 07302
ATTENTION: Austin Farmerie
PHONE: 412-716-1366 FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY
PROJECT #: E9309 LOCATION: Brooklyn, NY
PROJECT MANAGER: Austin Farmerie
E-MAIL: afarmerie@entact.com
PHONE: 412-716-1366 FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC PO# E9309
ADDRESS: 999 Oakmont Plaza Drive, Suite 300
CITY: Westmont STATE: IL ZIP: 60559
ATTENTION: Wendy Murray PHONE: 800-936-8228

ANALYSIS

TPH	TOTAL VOCs	PAHs	Total Metals RCRA 8						
1	2	3	4	5	6	7	8	9	

DATA TURNAROUND INFORMATION

FAX: _____ 1 _____ DAYS*
HARD COPY: _____ DAYS*
EDD _____ 1 _____ DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	E	E	E	E								
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other		
1.	WC-URBAN-FILL-B1	Soil	X				3		X										
2.	WC-URBAN-FILL-B2	Soil	X				2	X		X	X								
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1. Austin Farmerie	DATE/TIME 7/10/25 1350	RECEIVED BY 	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 9.4 C ☐ Ice in Cooler? _____
RELINQUISHED BY	DATE/TIME	RECEIVED BY	Comments:
2.			
RELINQUISHED BY 	DATE/TIME 7-10-25 1527	RECEIVED FOR LAB BY	
3.			

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2580 ENTA05

Order Date : 7/10/2025 3:40:00 PM

Project Mgr : Yazmeen

Client Name : ENTACT

Project Name : 540 Degraw St, Brooklyn, N

Report Type : Level 1

Client Contact : Austin Farmerie

Receive DateTime : 7/10/2025 3:27:00 PM

EDD Type : Excel NJ

Invoice Name : ENTACT

Purchase Order :

Hard Copy Date :

Invoice Contact : Austin Farmerie

Date Signoff : 7/11/2025 1:35:00 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2580-01	WC-URBAN-FILL-B1	Solid	07/10/2025	00:00	VOC-TCLVOA-10		8260D	1 Bus. Day	07/14/2025

Relinquished By : af

Date / Time : 7-11-25

10:10

Received By : Sm

Date / Time : 7-11-25

10:10

Storage Area : VOA Refridgerator Room