

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071025\
 Data File : BN037456.D
 Acq On : 10 Jul 2025 13:53
 Operator : RC/JU
 Sample : Q2126-02
 Misc : LOQ-SOIL -0.2ng
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Quant Time: Jul 10 14:20:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 10 00:48:38 2025
 Response via : Initial Calibration

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

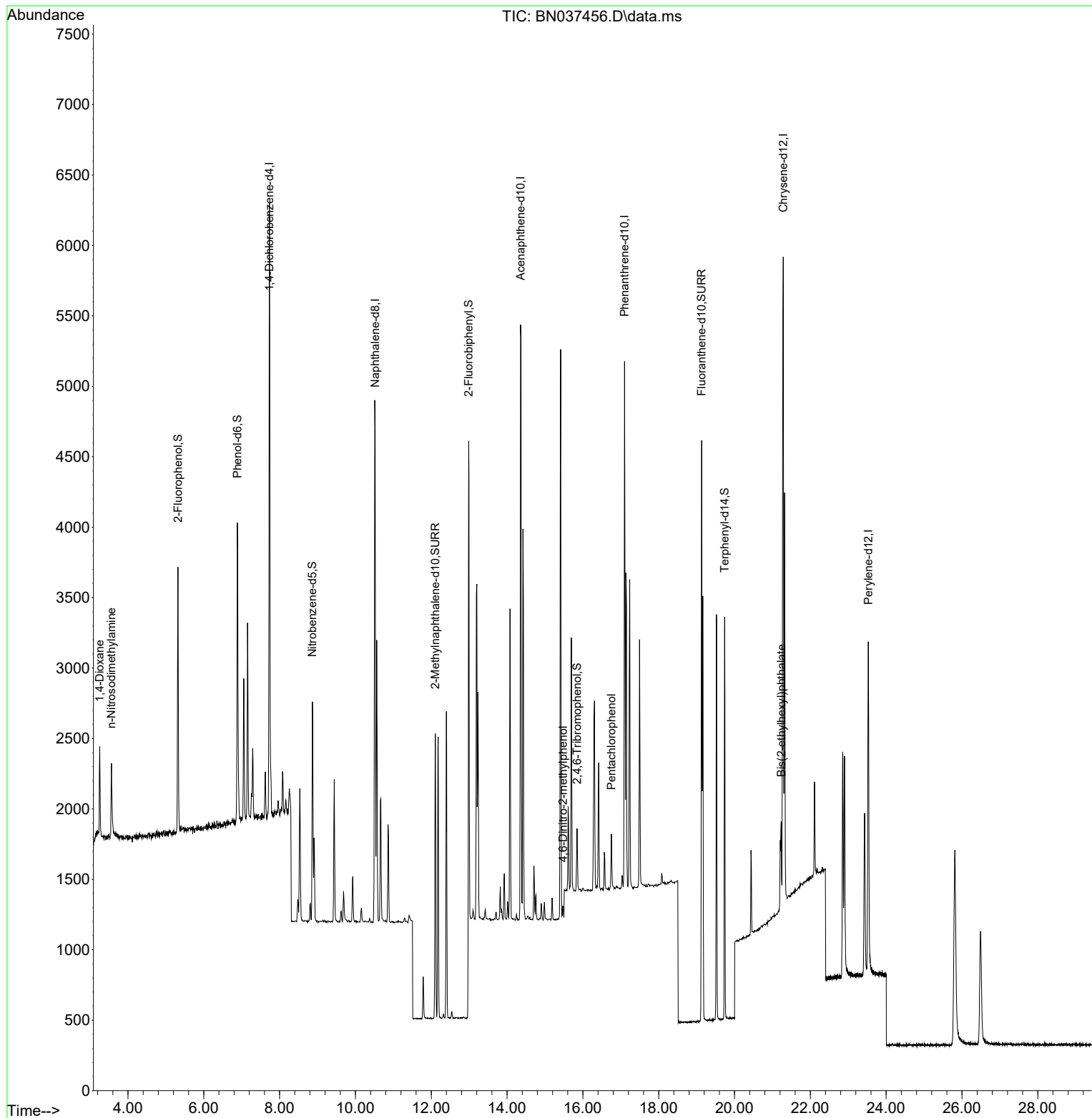
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	2039	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	5127	0.400	ng	# 0.00
13) Acenaphthene-d10	14.355	164	2558	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	4737	0.400	ng	#-0.01
29) Chrysene-d12	21.286	240	3544	0.400	ng	# 0.00
35) Perylene-d12	23.531	264	3178	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	1498	0.273	ng	0.00
5) Phenol-d6	6.887	99	1888	0.280	ng	0.00
8) Nitrobenzene-d5	8.865	82	1232	0.357	ng	-0.01
11) 2-Methylnaphthalene-d10	12.106	152	2721	0.380	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	256	0.245	ng	-0.01
15) 2-Fluorobiphenyl	12.988	172	4387	0.311	ng	0.00
27) Fluoranthene-d10	19.132	212	4481	0.368	ng	0.00
31) Terphenyl-d14	19.740	244	2739	0.367	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.254	88	427	0.216	ng	# 85
3) n-Nitrosodimethylamine	3.557	42	416	0.179	ng	# 72
20) 4,6-Dinitro-2-methylph...	15.478	198	67	0.178	ng	# 78
24) Pentachlorophenol	16.751	266	195	0.121	ng	91
34) Bis(2-ethylhexyl)phtha...	21.232	149	607	0.217	ng	# 97

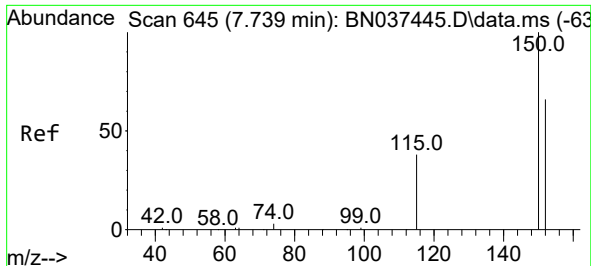
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071025\
Data File : BN037456.D
Acq On : 10 Jul 2025 13:53
Operator : RC/JU
Sample : Q2126-02
Misc : LOQ-SOIL -0.2ng
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2025

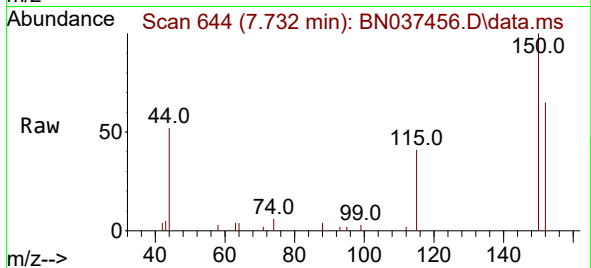
Quant Time: Jul 10 14:20:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 10 00:48:38 2025
Response via : Initial Calibration





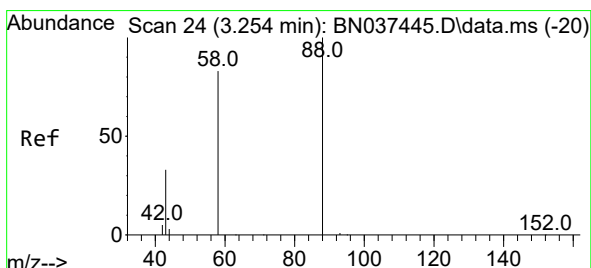
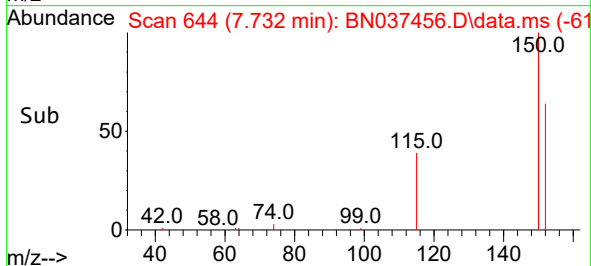
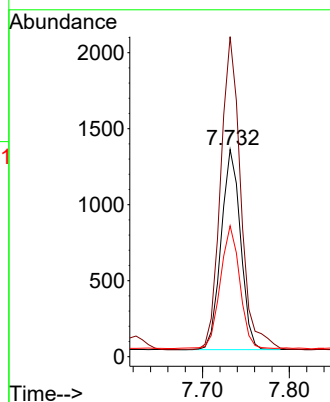
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.732 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN037456.D
 Acq: 10 Jul 2025 13:53

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025



Tgt Ion:152 Resp: 2039

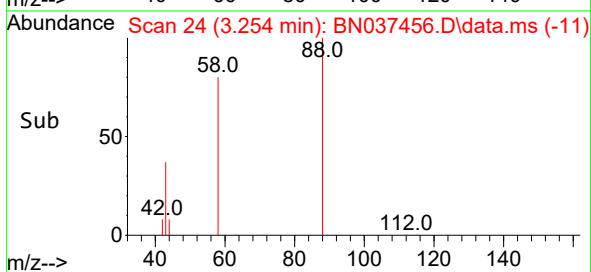
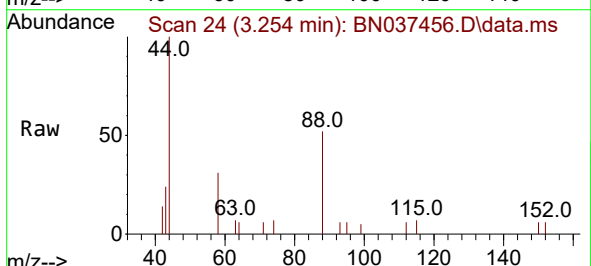
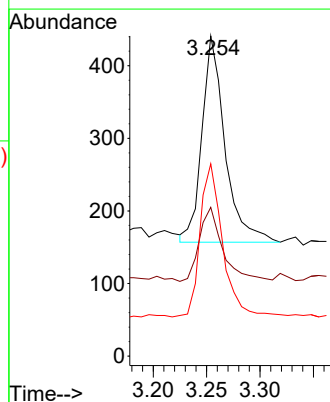
Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	63.2	50.4	75.6

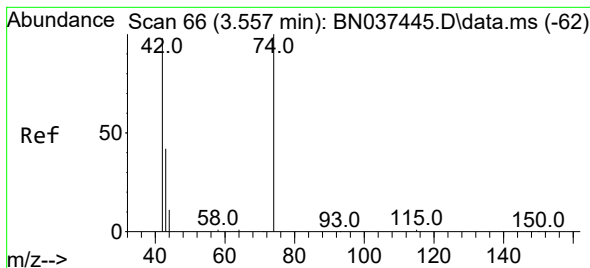


#2
 1,4-Dioxane
 Concen: 0.216 ng
 RT: 3.254 min Scan# 24
 Delta R.T. -0.007 min
 Lab File: BN037456.D
 Acq: 10 Jul 2025 13:53

Tgt Ion: 88 Resp: 427

Ion	Ratio	Lower	Upper
88	100		
43	36.5	37.4	56.2#
58	72.6	69.3	103.9

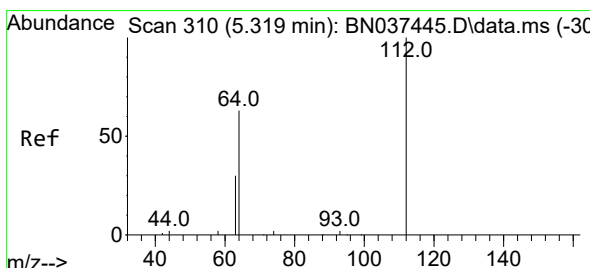
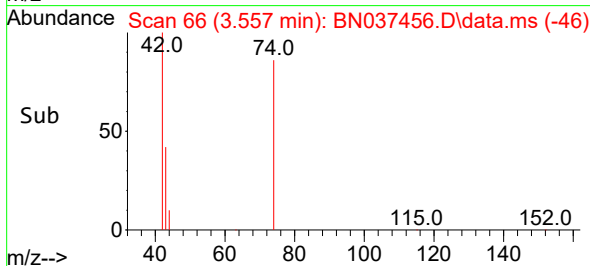
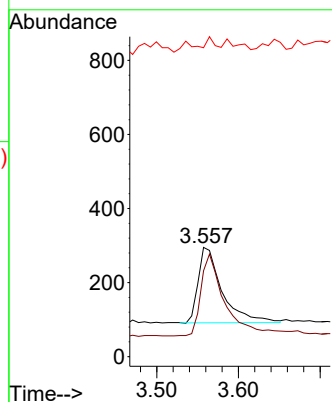
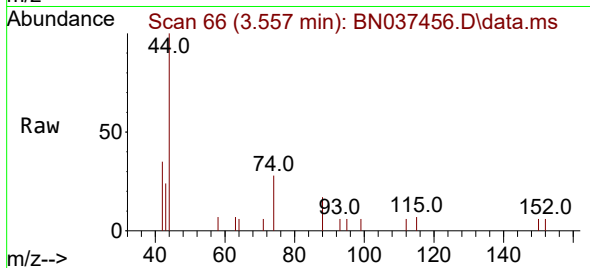




#3
n-Nitrosodimethylamine
Concen: 0.179 ng
RT: 3.557 min Scan# 66
Delta R.T. -0.007 min
Lab File: BN037456.D
Acq: 10 Jul 2025 13:53

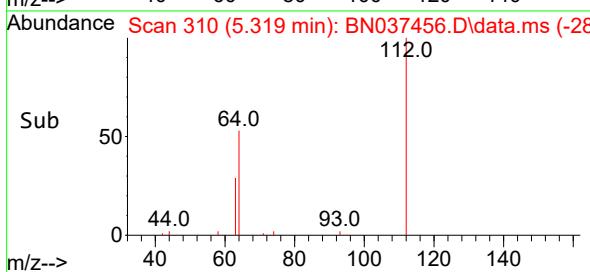
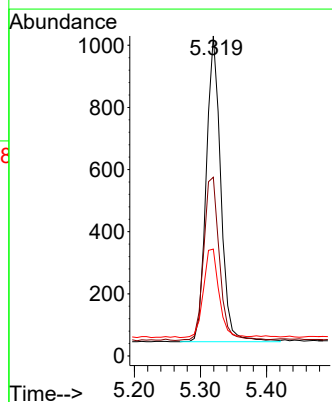
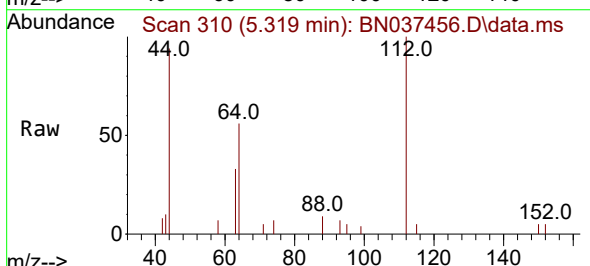
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2025

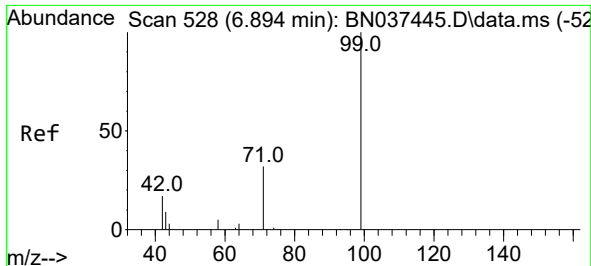
Tgt Ion: 42 Resp: 416
Ion Ratio Lower Upper
42 100
74 113.7 69.9 104.9#
44 7.2 0.0 0.0#



#4
2-Fluorophenol
Concen: 0.273 ng
RT: 5.319 min Scan# 310
Delta R.T. -0.007 min
Lab File: BN037456.D
Acq: 10 Jul 2025 13:53

Tgt Ion: 112 Resp: 1498
Ion Ratio Lower Upper
112 100
64 57.8 49.4 74.2
63 31.0 27.2 40.8

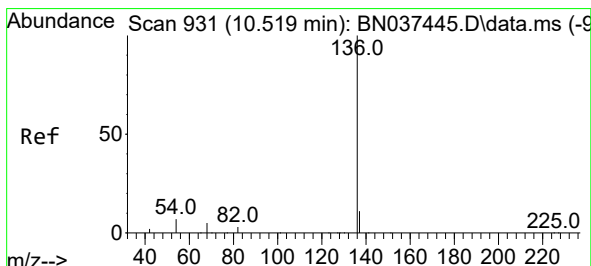
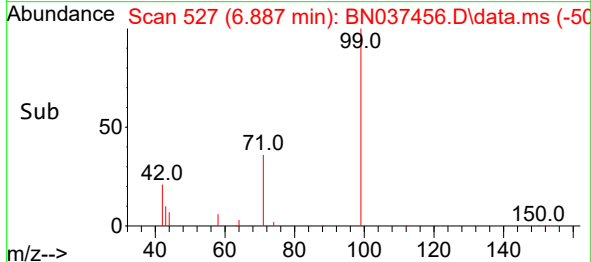
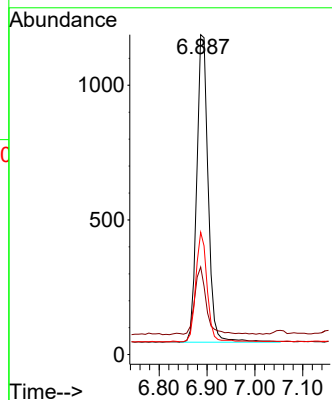
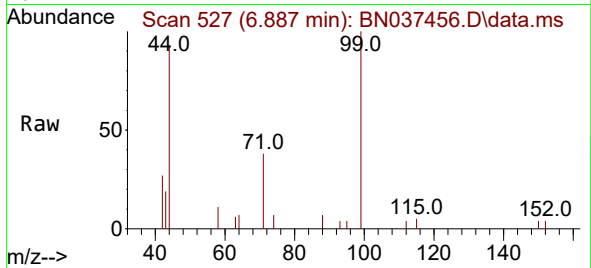




#5
Phenol-d6
Concen: 0.280 ng
RT: 6.887 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037456.D
Acq: 10 Jul 2025 13:53

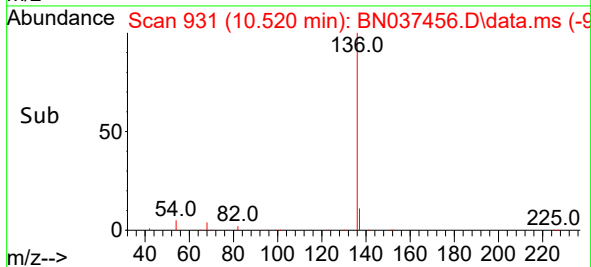
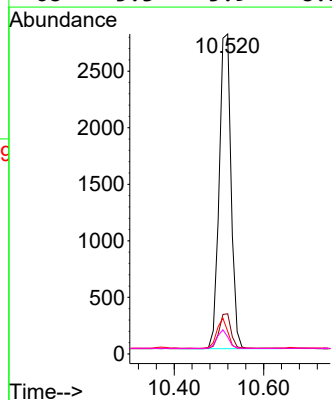
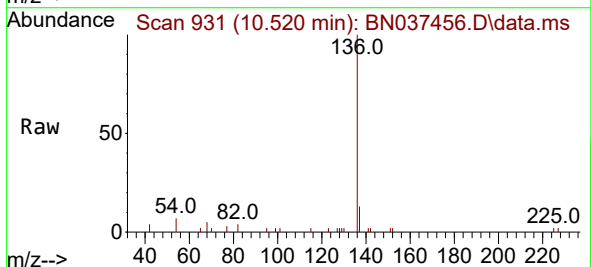
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2025

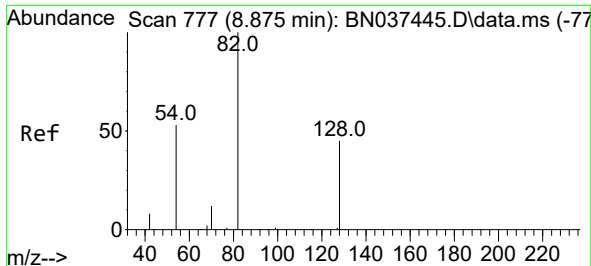
Tgt Ion: 99 Resp: 1888
Ion Ratio Lower Upper
99 100
42 21.9 22.5 33.7#
71 35.2 27.8 41.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. 0.000 min
Lab File: BN037456.D
Acq: 10 Jul 2025 13:53

Tgt Ion: 136 Resp: 5127
Ion Ratio Lower Upper
136 100
137 12.5 9.5 14.3
54 7.0 8.8 13.2#
68 5.3 5.9 8.9#

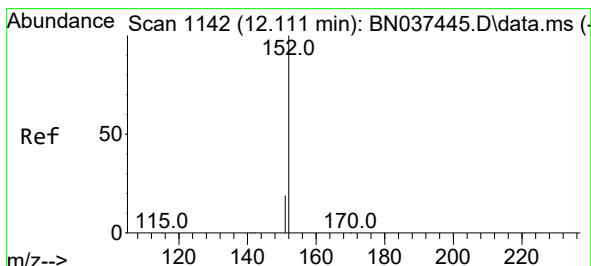
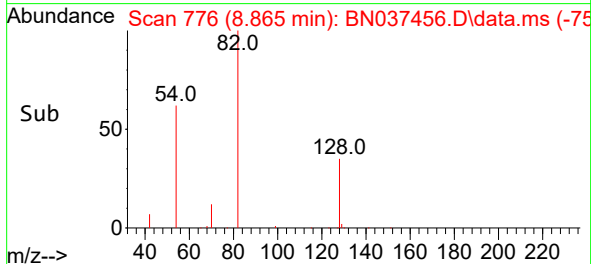
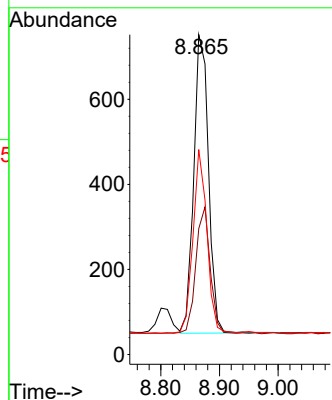
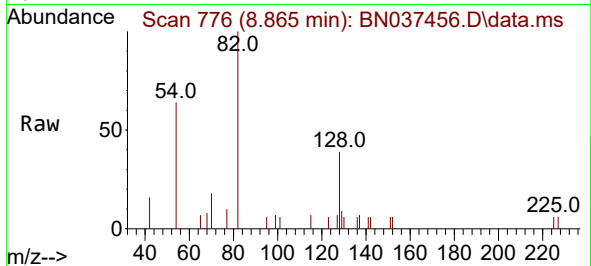




#8
 Nitrobenzene-d5
 Concen: 0.357 ng
 RT: 8.865 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BN037456.D
 Acq: 10 Jul 2025 13:53

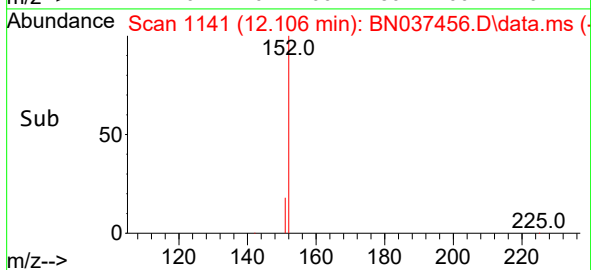
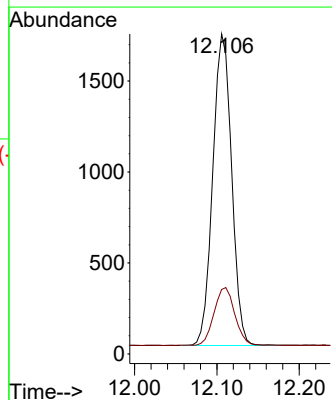
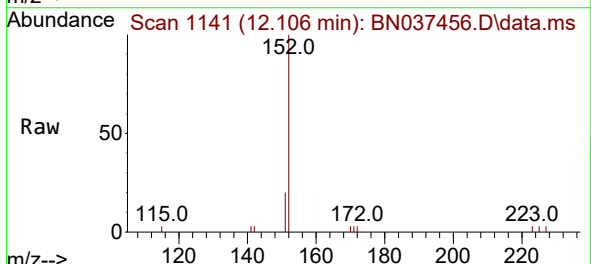
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

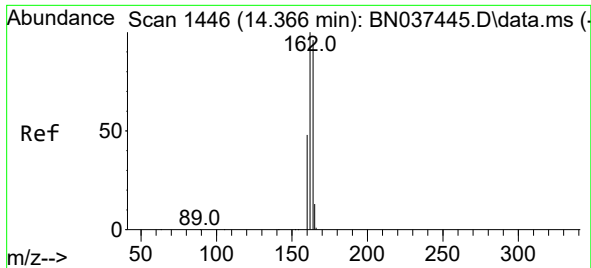
Tgt Ion: 82 Resp: 1232
 Ion Ratio Lower Upper
 82 100
 128 39.4 31.4 47.0
 54 64.1 51.3 76.9



#11
 2-Methylnaphthalene-d10
 Concen: 0.380 ng
 RT: 12.106 min Scan# 1141
 Delta R.T. -0.010 min
 Lab File: BN037456.D
 Acq: 10 Jul 2025 13:53

Tgt Ion: 152 Resp: 2721
 Ion Ratio Lower Upper
 152 100
 151 20.4 16.7 25.1

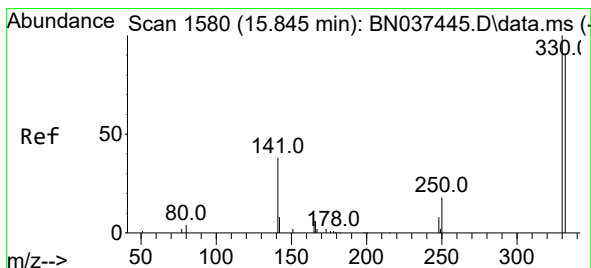
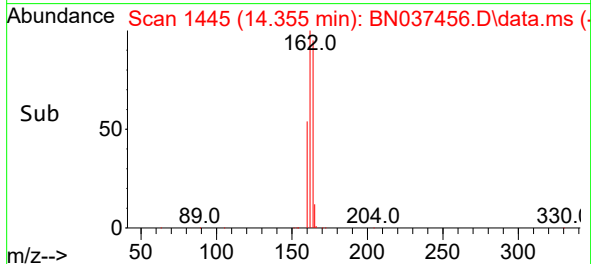
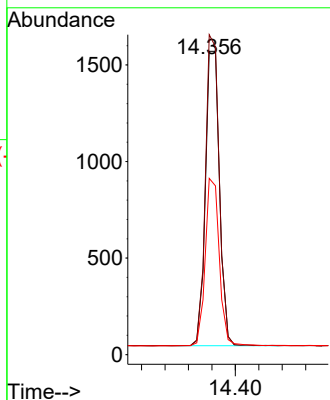
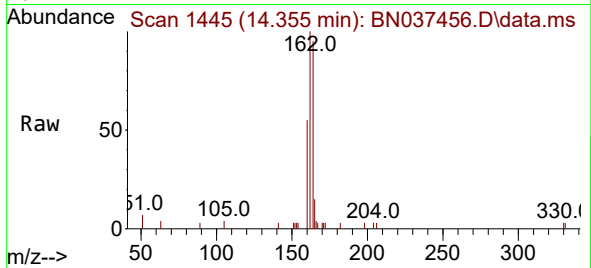




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.355 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN037456.D
Acq: 10 Jul 2025 13:53

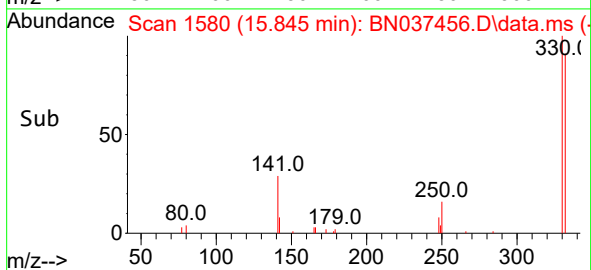
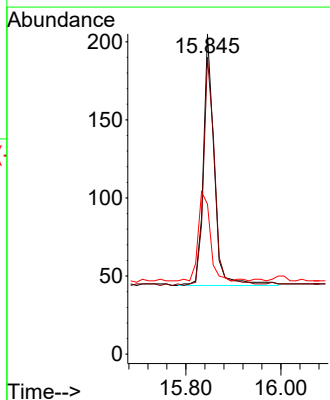
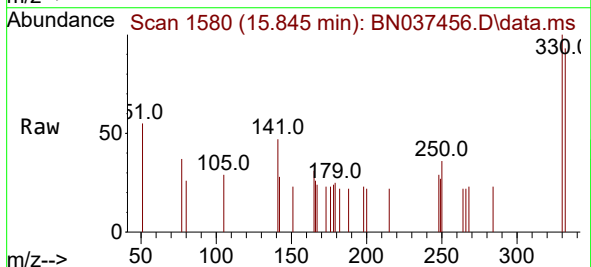
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2025

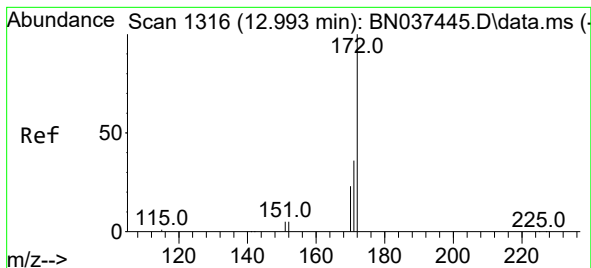
Tgt Ion:164 Resp: 2558
Ion Ratio Lower Upper
164 100
162 105.5 82.7 124.1
160 58.1 55.0 82.4



#14
2,4,6-Tribromophenol
Concen: 0.245 ng
RT: 15.845 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BN037456.D
Acq: 10 Jul 2025 13:53

Tgt Ion:330 Resp: 256
Ion Ratio Lower Upper
330 100
332 93.4 75.3 112.9
141 39.1 38.7 58.1





#15

2-Fluorobiphenyl

Concen: 0.311 ng

RT: 12.988 min Scan# 1

Delta R.T. -0.010 min

Lab File: BN037456.D

Acq: 10 Jul 2025 13:53

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2025

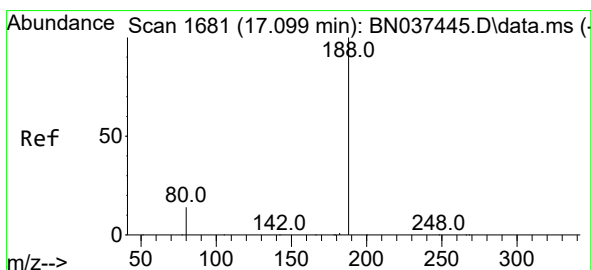
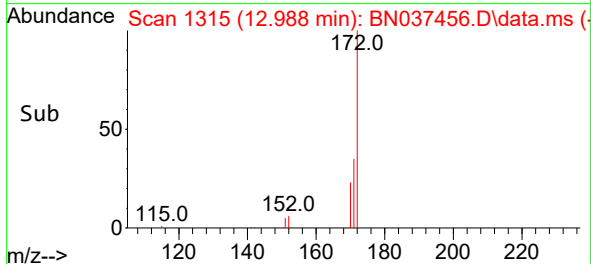
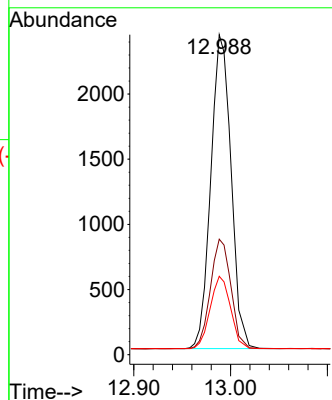
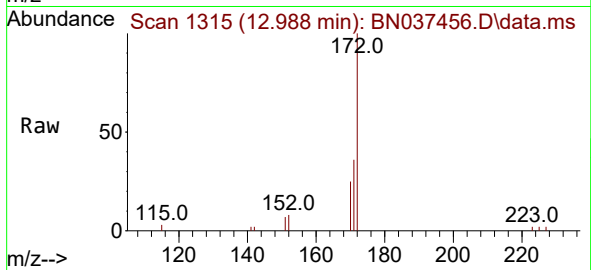
Tgt Ion:172 Resp: 4387

Ion Ratio Lower Upper

172 100

171 36.1 28.4 42.6

170 24.5 18.7 28.1



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1681

Delta R.T. -0.012 min

Lab File: BN037456.D

Acq: 10 Jul 2025 13:53

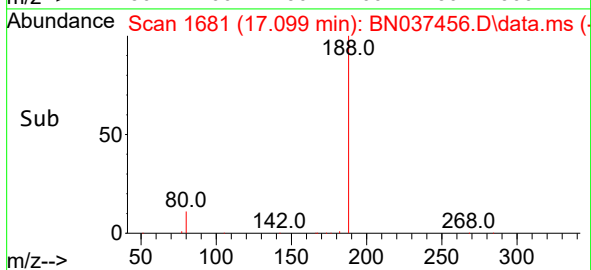
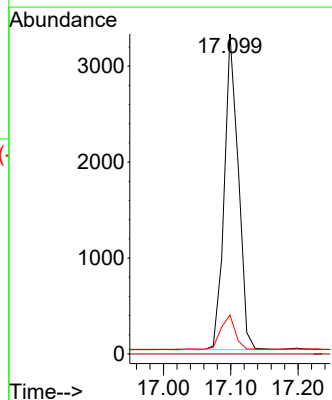
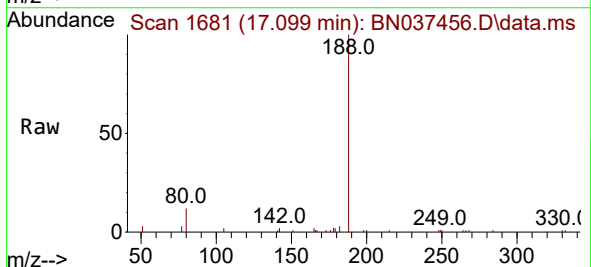
Tgt Ion:188 Resp: 4737

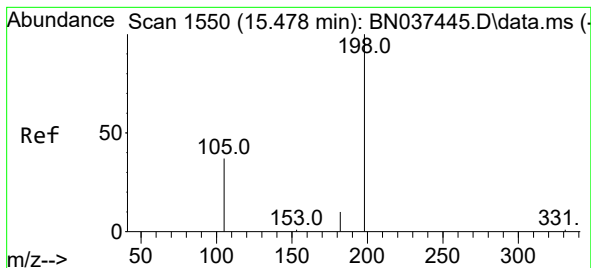
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.1 7.8 11.6#

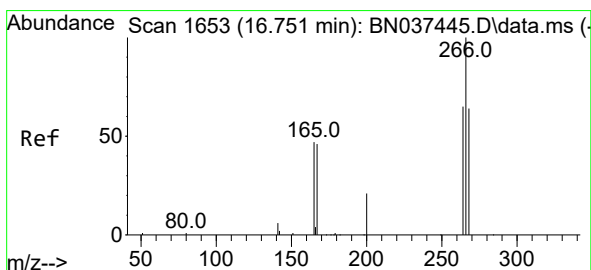
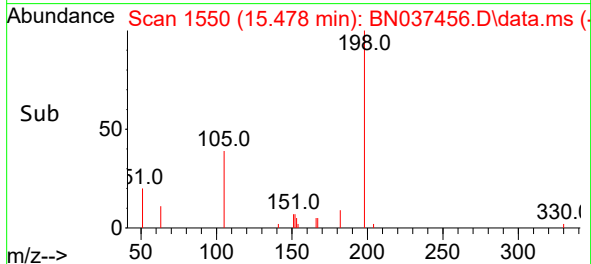
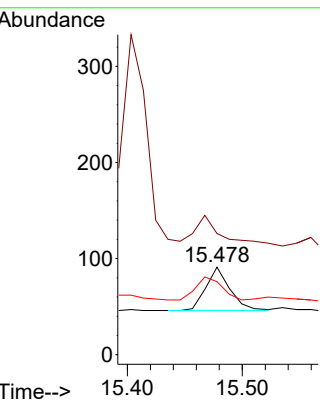
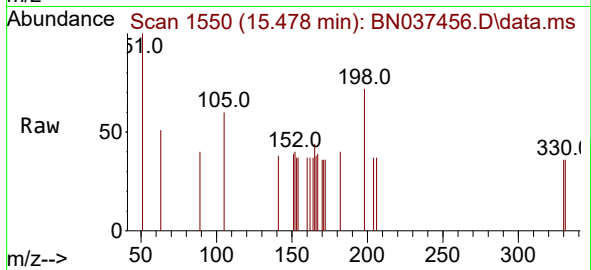




#20
4,6-Dinitro-2-methylphenol
Concen: 0.178 ng
RT: 15.478 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BN037456.D
Acq: 10 Jul 2025 13:53

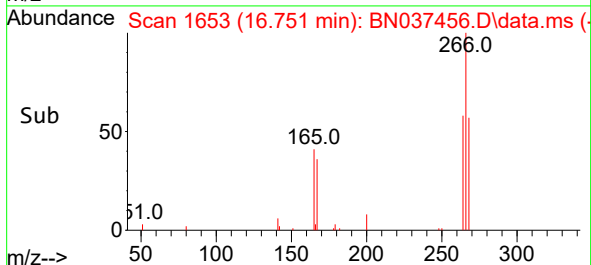
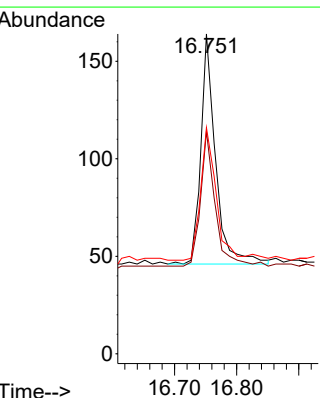
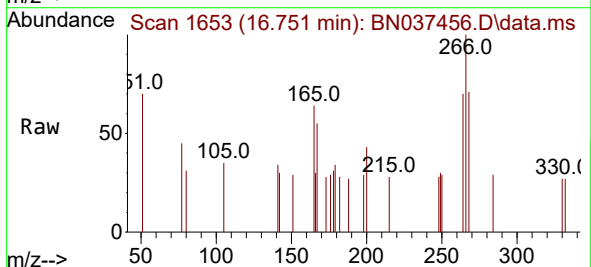
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2025

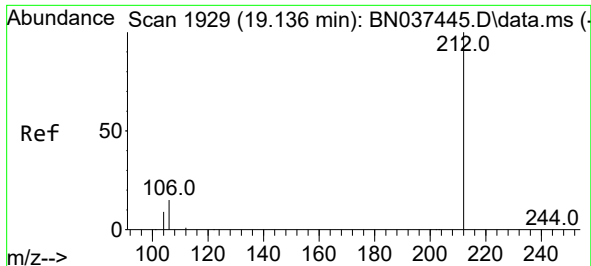
Tgt Ion:198 Resp: 67
Ion Ratio Lower Upper
198 100
51 138.5 145.5 218.3#
105 83.5 64.2 96.4



#24
Pentachlorophenol
Concen: 0.121 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037456.D
Acq: 10 Jul 2025 13:53

Tgt Ion:266 Resp: 195
Ion Ratio Lower Upper
266 100
264 57.4 52.4 78.6
268 60.5 53.9 80.9

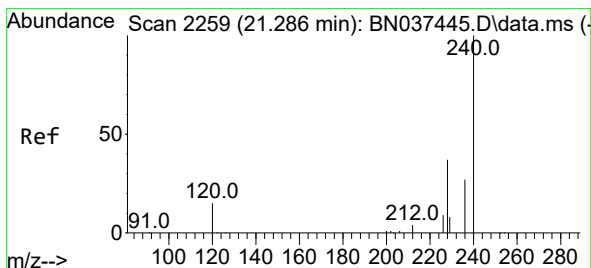
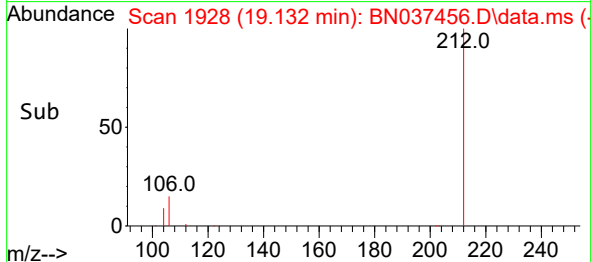
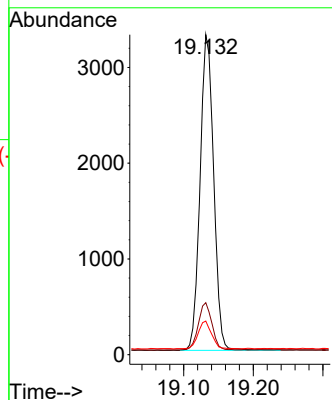
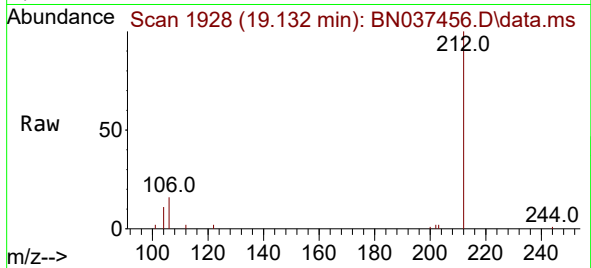




#27
Fluoranthene-d10
Concen: 0.368 ng
RT: 19.132 min Scan# 1928
Delta R.T. -0.009 min
Lab File: BN037456.D
Acq: 10 Jul 2025 13:53

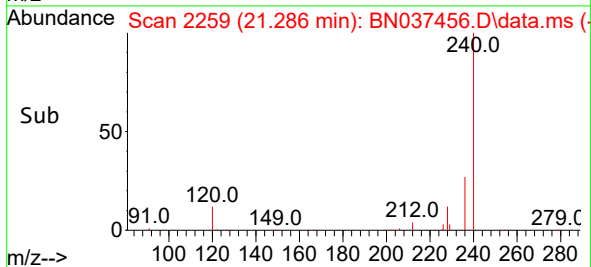
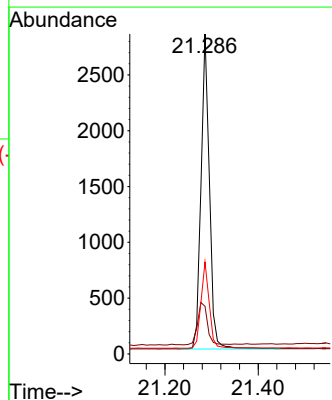
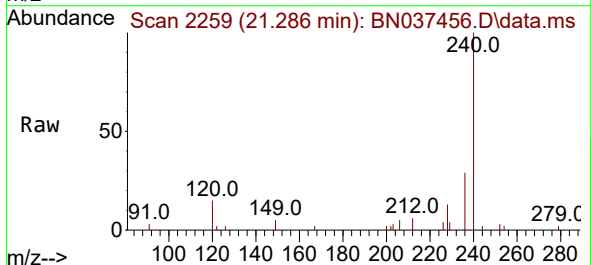
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2025

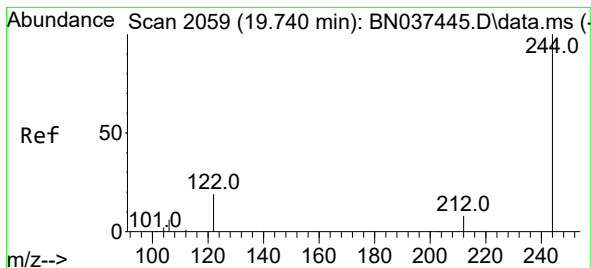
Tgt Ion:212 Resp: 4481
Ion Ratio Lower Upper
212 100
106 14.9 13.4 20.0
104 8.8 7.8 11.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.286 min Scan# 2259
Delta R.T. -0.009 min
Lab File: BN037456.D
Acq: 10 Jul 2025 13:53

Tgt Ion:240 Resp: 3544
Ion Ratio Lower Upper
240 100
120 14.9 16.4 24.6#
236 28.8 23.3 34.9





#31

Terphenyl-d14

Concen: 0.367 ng

RT: 19.740 min Scan# 2059

Delta R.T. -0.009 min

Lab File: BN037456.D

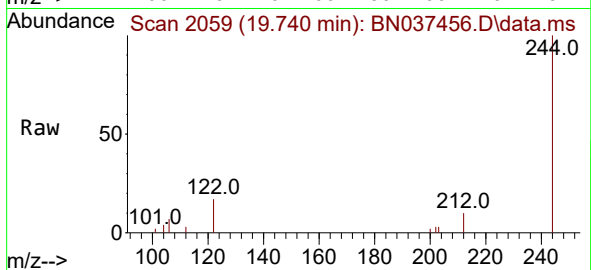
Acq: 10 Jul 2025 13:53

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2025



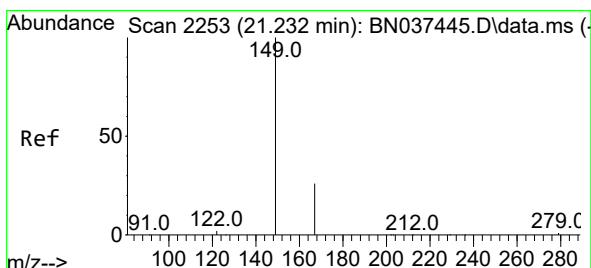
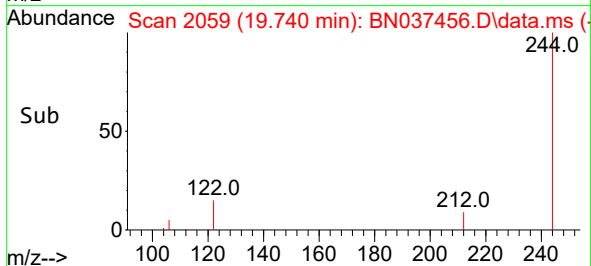
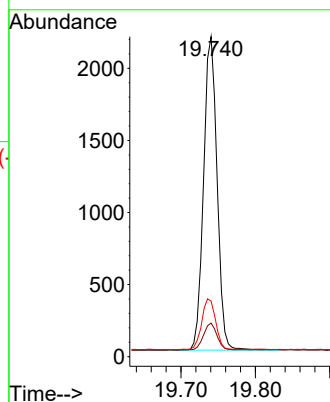
Tgt Ion:244 Resp: 2739

Ion Ratio Lower Upper

244 100

212 10.5 9.0 13.4

122 17.3 15.0 22.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.217 ng

RT: 21.232 min Scan# 2253

Delta R.T. -0.009 min

Lab File: BN037456.D

Acq: 10 Jul 2025 13:53

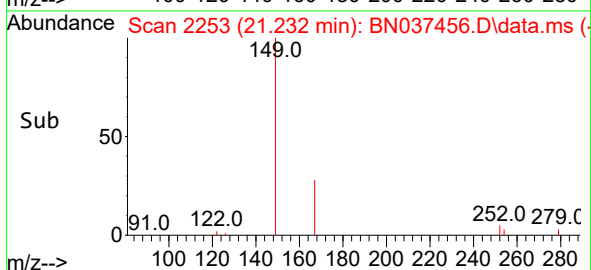
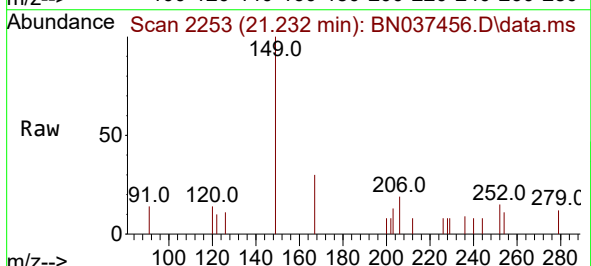
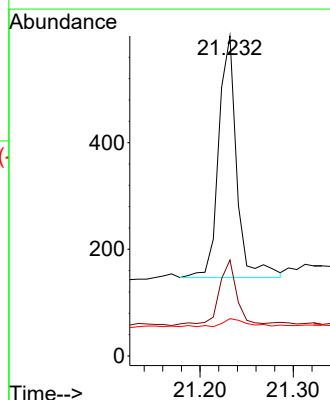
Tgt Ion:149 Resp: 607

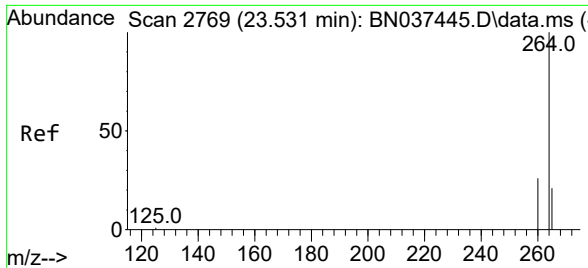
Ion Ratio Lower Upper

149 100

167 24.2 20.6 30.8

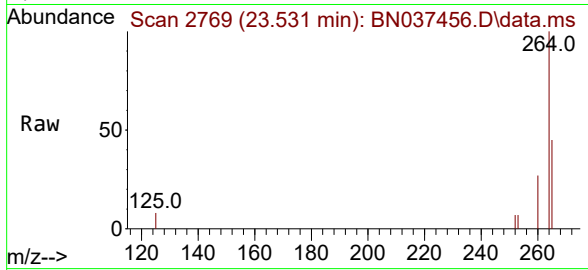
279 4.3 2.2 3.2#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.531 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BN037456.D
 Acq: 10 Jul 2025 13:53

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025



Tgt Ion:264 Resp: 3178

Ion	Ratio	Lower	Upper
264	100		
260	26.5	22.1	33.1
265	44.9	30.1	45.1

