

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091025\
 Data File : BN037679.D
 Acq On : 10 Sep 2025 12:06
 Operator : RC/JU
 Sample : Q2893-02
 Misc : LOQ-SOIL 0.2 ng
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Quant Time: Sep 10 12:40:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN090925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 10 02:02:04 2025
 Response via : Initial Calibration

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

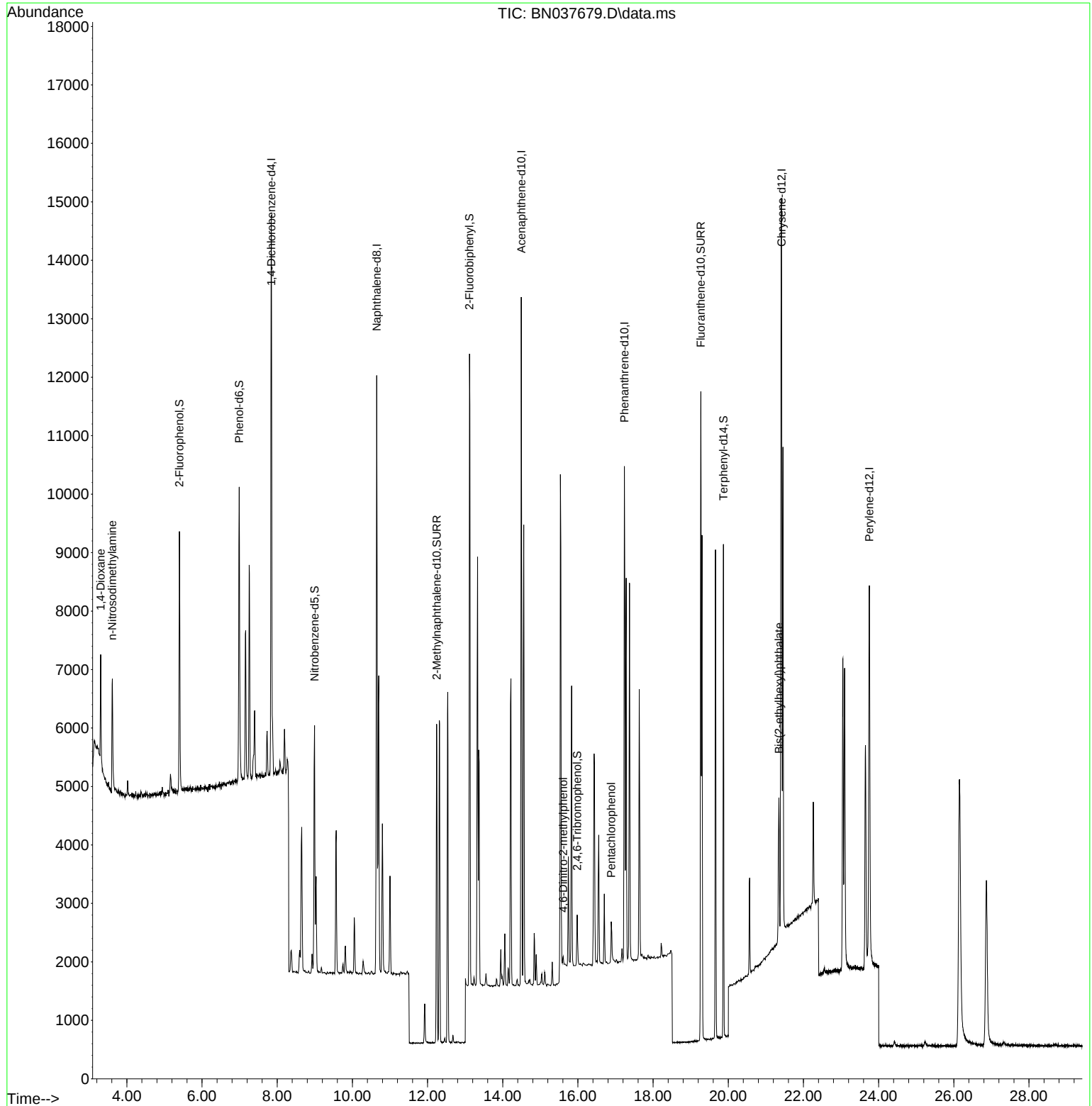
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	4733	0.400	ng	0.00
7) Naphthalene-d8	10.647	136	13068	0.400	ng	0.00
13) Acenaphthene-d10	14.494	164	6289	0.400	ng	0.00
19) Phenanthrene-d10	17.235	188	11503	0.400	ng	#-0.01
29) Chrysene-d12	21.420	240	9415	0.400	ng	0.00
35) Perylene-d12	23.753	264	9531	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	3614	0.298	ng	0.00
5) Phenol-d6	6.988	99	4684	0.308	ng	0.00
8) Nitrobenzene-d5	8.993	82	3289	0.409	ng	0.00
11) 2-Methylnaphthalene-d10	12.243	152	7233	0.394	ng	0.00
14) 2,4,6-Tribromophenol	15.982	330	524	0.300	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	9907	0.401	ng	-0.01
27) Fluoranthene-d10	19.271	212	12350	0.416	ng	0.00
31) Terphenyl-d14	19.870	244	7854	0.396	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.304	88	1097	0.214	ng	Qvalue 97
3) n-Nitrosodimethylamine	3.608	42	1287	0.199	ng	100
20) 4,6-Dinitro-2-methylph...	15.609	198	146	0.228	ng	# 74
24) Pentachlorophenol	16.888	266	419	0.157	ng	94
34) Bis(2-ethylhexyl)phtha...	21.348	149	1786	0.191	ng	# 97

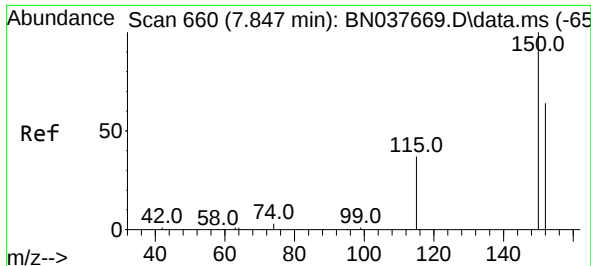
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091025\
Data File : BN037679.D
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Misc : LOQ-SOIL 0.2 ng
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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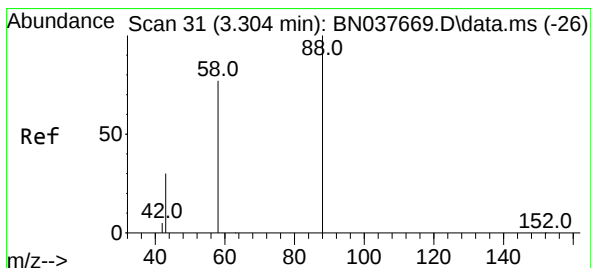
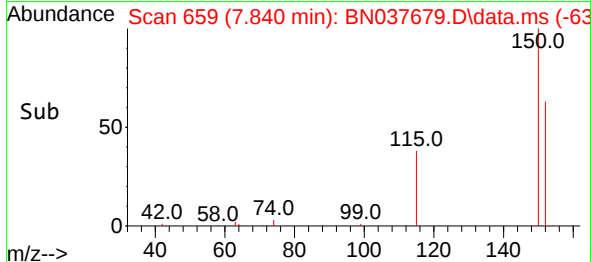
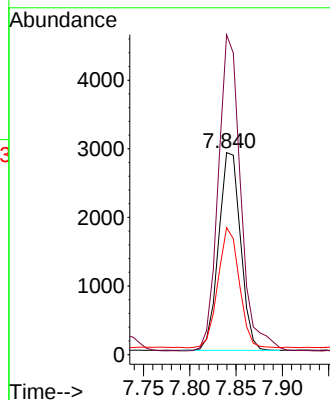
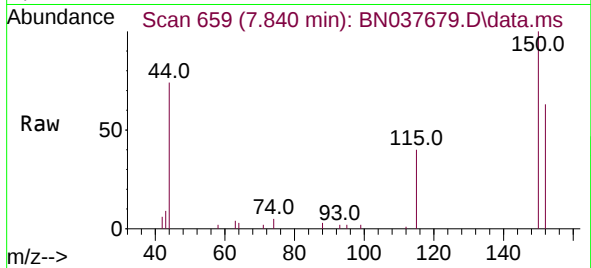




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.840 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN037679.D
 Acq: 10 Sep 2025 12:06

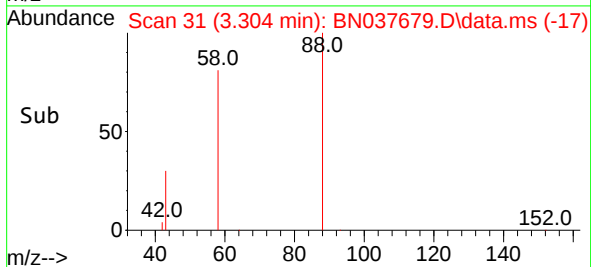
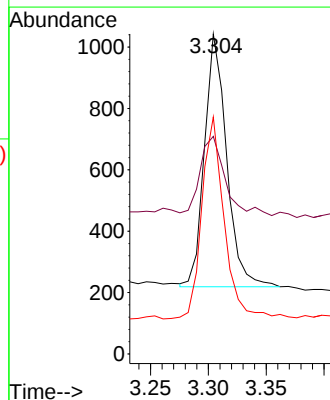
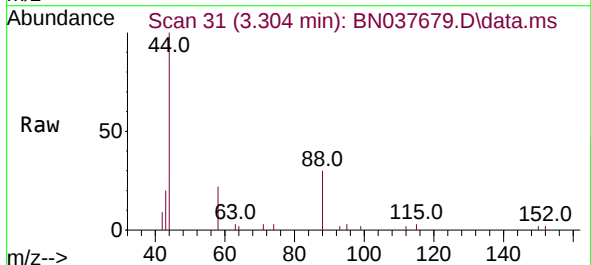
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

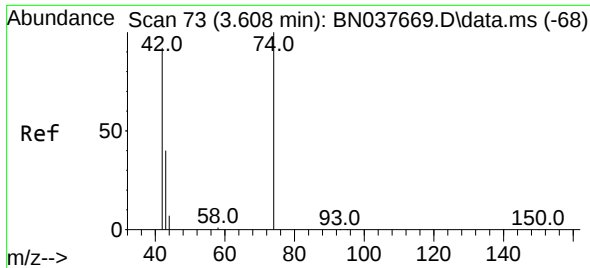
Tgt Ion:152 Resp: 4733
 Ion Ratio Lower Upper
 152 100
 150 158.4 123.2 184.8
 115 62.9 49.0 73.4



#2
 1,4-Dioxane
 Concen: 0.214 ng
 RT: 3.304 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: BN037679.D
 Acq: 10 Sep 2025 12:06

Tgt Ion: 88 Resp: 1097
 Ion Ratio Lower Upper
 88 100
 43 33.0 26.8 40.2
 58 81.2 62.6 93.8

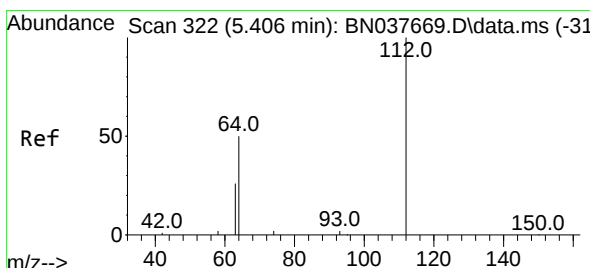
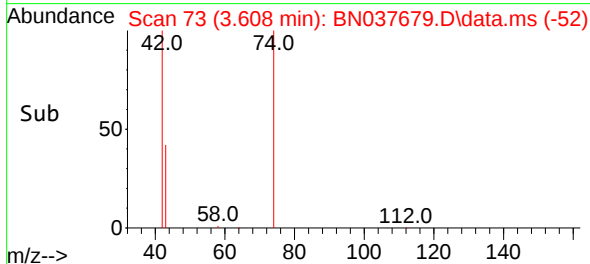
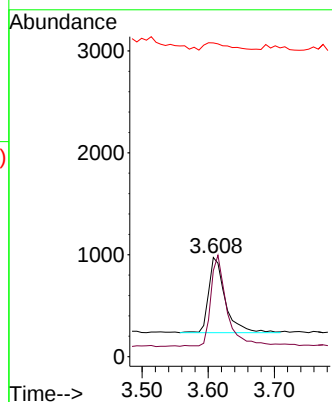
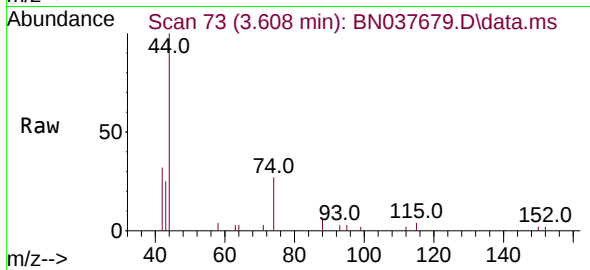




#3
n-Nitrosodimethylamine
Concen: 0.199 ng
RT: 3.608 min Scan# 73
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

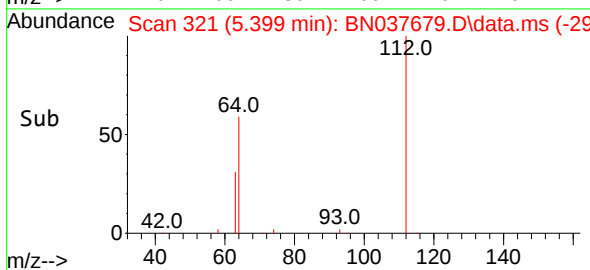
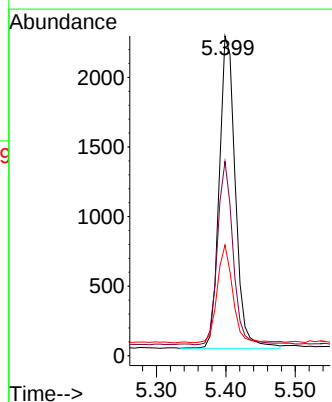
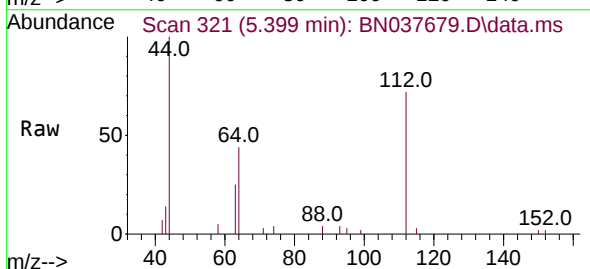
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2025

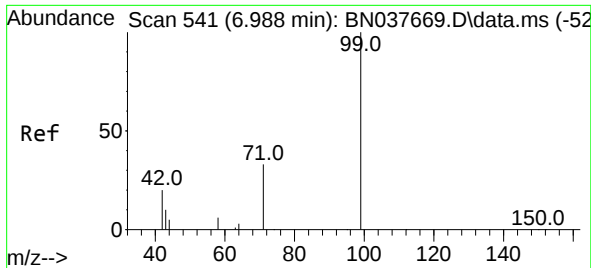
Tgt Ion: 42 Resp: 1287
Ion Ratio Lower Upper
42 100
74 118.5 94.9 142.3
44 14.0 10.6 16.0



#4
2-Fluorophenol
Concen: 0.298 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.007 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

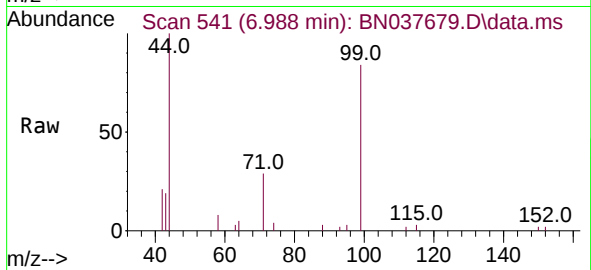
Tgt Ion: 112 Resp: 3614
Ion Ratio Lower Upper
112 100
64 56.7 45.4 68.2
63 30.2 23.7 35.5



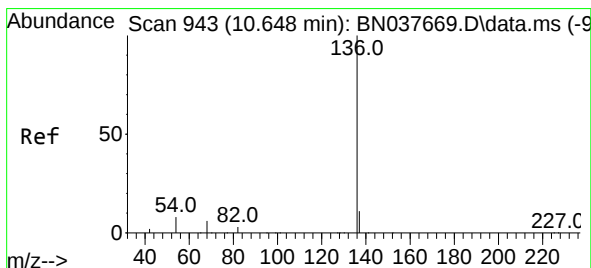
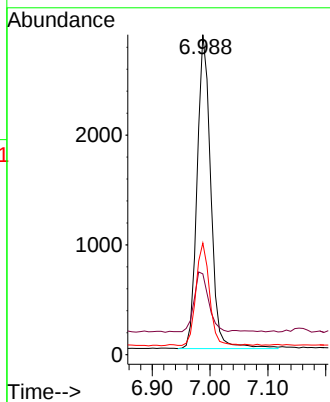
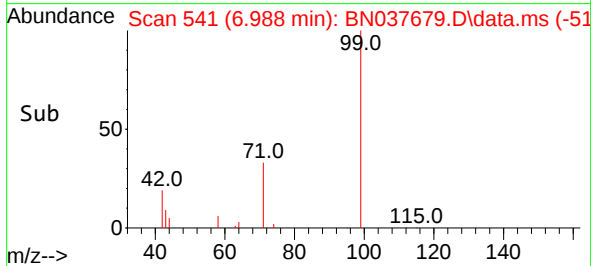


#5
Phenol-d6
Concen: 0.308 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2025

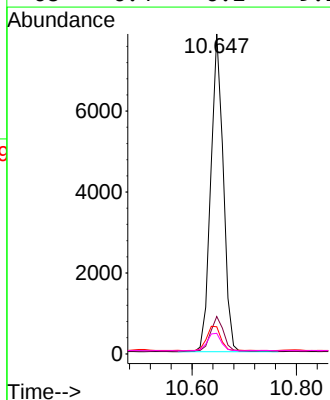
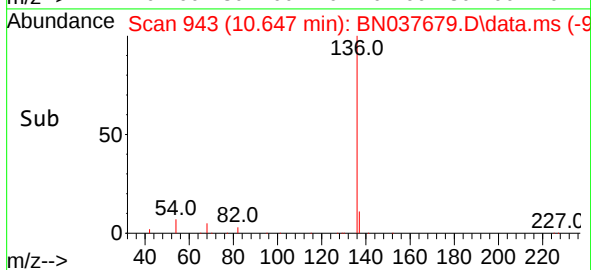
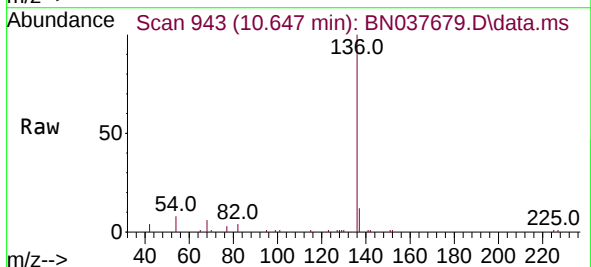


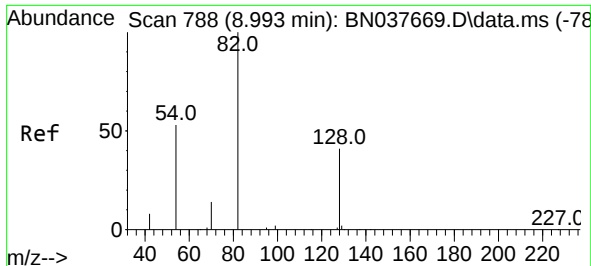
Tgt Ion:	99	Resp:	4684
Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.7	26.5
71	31.8	26.7	40.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.647 min Scan# 943
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:	136	Resp:	13068
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.3	13.9
54	8.5	8.1	12.1
68	6.4	6.2	9.2

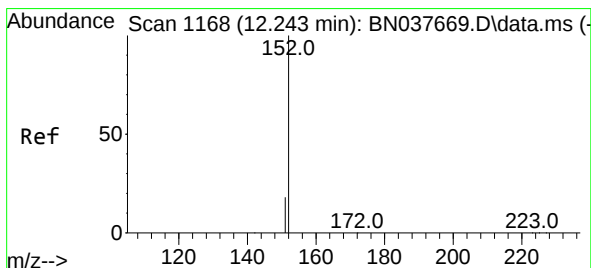
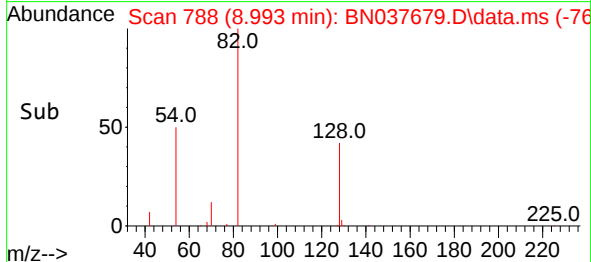
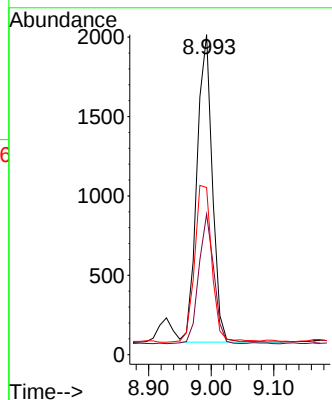
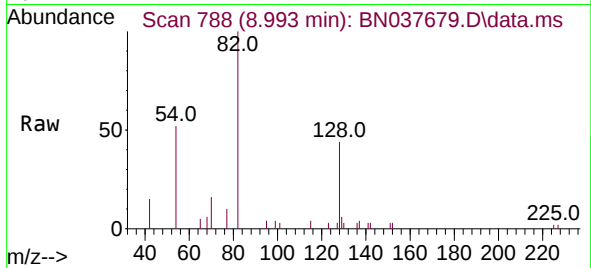




#8
Nitrobenzene-d5
Concen: 0.409 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

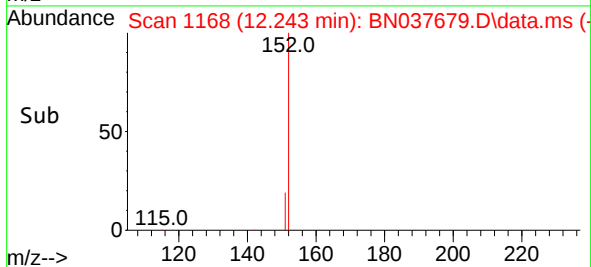
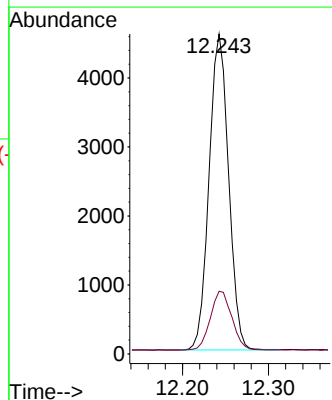
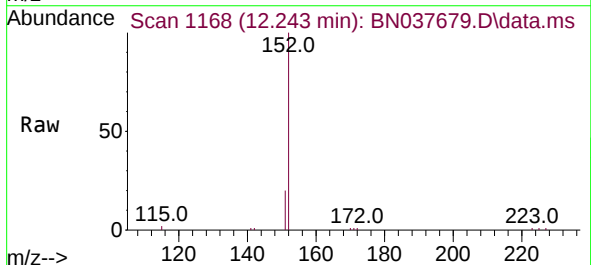
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2025

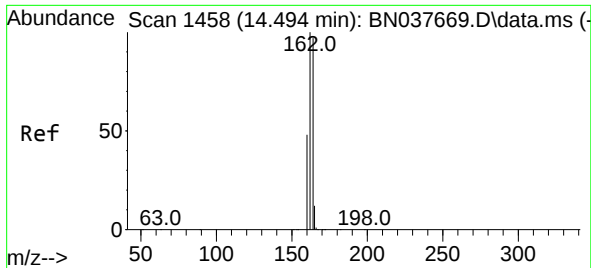
Tgt Ion: 82 Resp: 3289
Ion Ratio Lower Upper
82 100
128 43.9 34.3 51.5
54 52.2 45.5 68.3



#11
2-Methylnaphthalene-d10
Concen: 0.394 ng
RT: 12.243 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion: 152 Resp: 7233
Ion Ratio Lower Upper
152 100
151 20.5 16.7 25.1

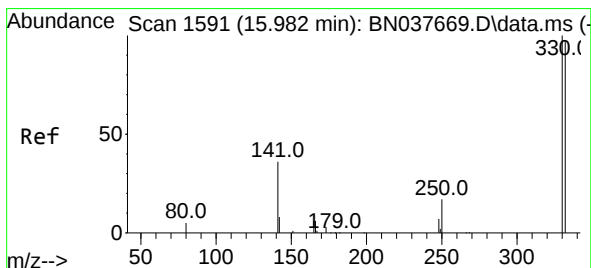
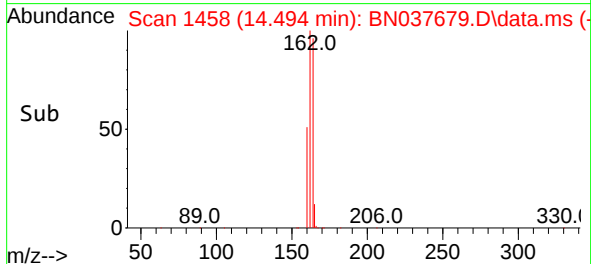
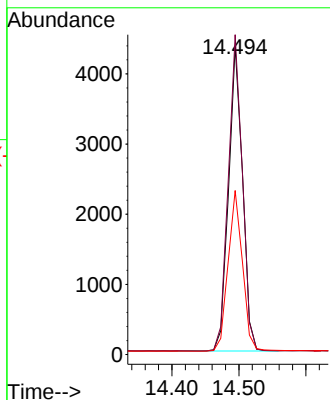
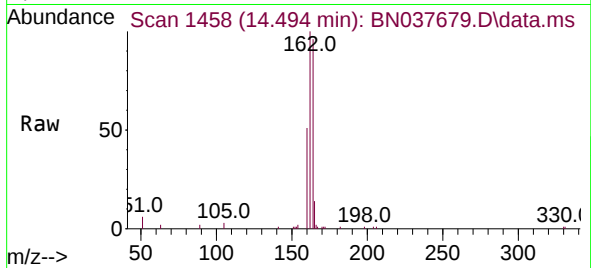




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

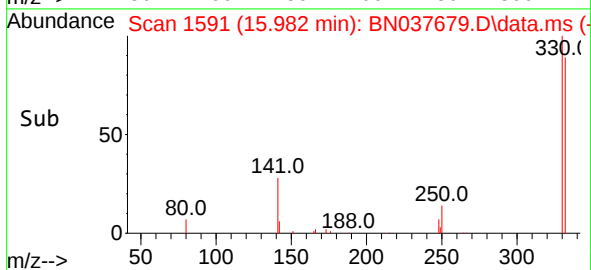
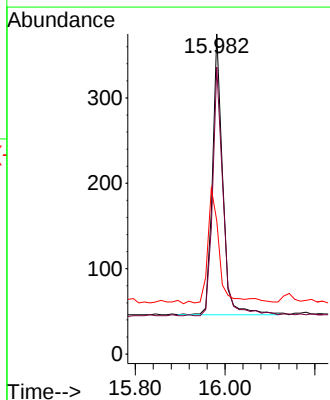
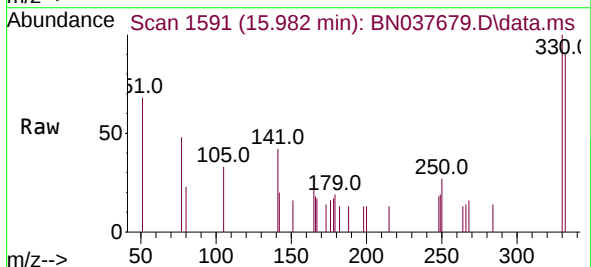
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2025

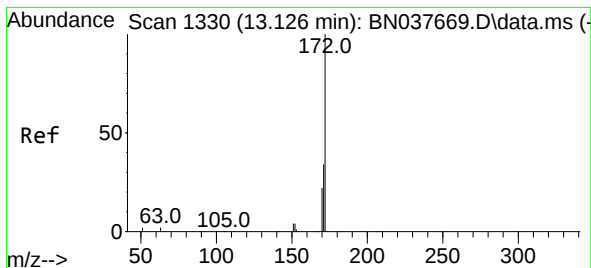
Tgt Ion:164 Resp: 6289
Ion Ratio Lower Upper
164 100
162 103.7 82.6 123.8
160 53.2 39.7 59.5



#14
2,4,6-Tribromophenol
Concen: 0.300 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:330 Resp: 524
Ion Ratio Lower Upper
330 100
332 91.6 78.8 118.2
141 43.3 37.8 56.6





#15

2-Fluorobiphenyl

Concen: 0.401 ng

RT: 13.115 min Scan# 1330

Delta R.T. -0.011 min

Lab File: BN037679.D

Acq: 10 Sep 2025 12:06

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2025

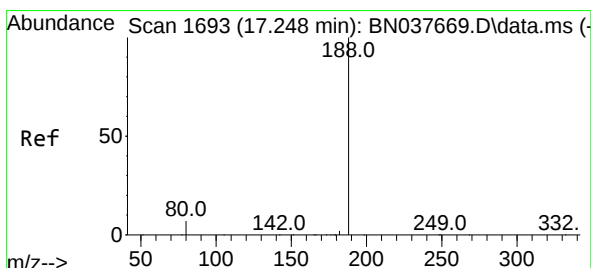
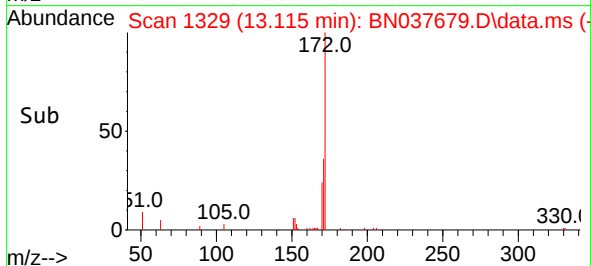
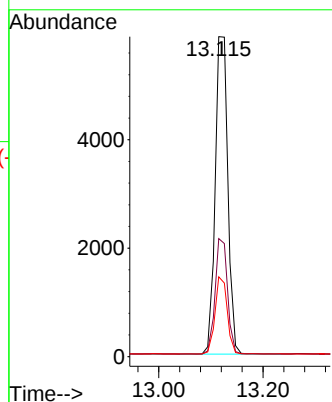
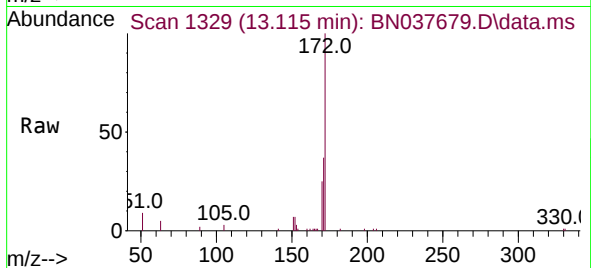
Tgt Ion:172 Resp: 9907

Ion Ratio Lower Upper

172 100

171 36.9 27.8 41.8

170 24.9 18.4 27.6



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.235 min Scan# 1692

Delta R.T. -0.013 min

Lab File: BN037679.D

Acq: 10 Sep 2025 12:06

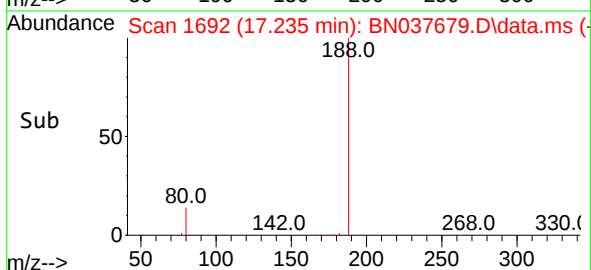
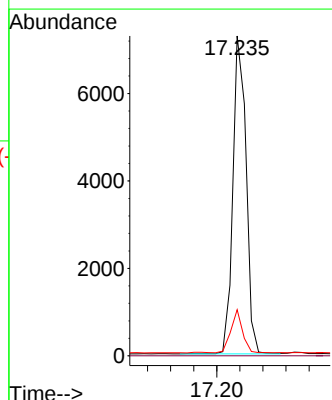
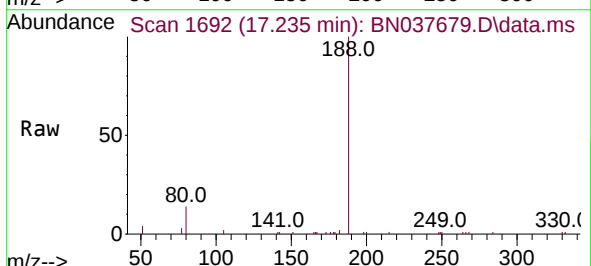
Tgt Ion:188 Resp: 11503

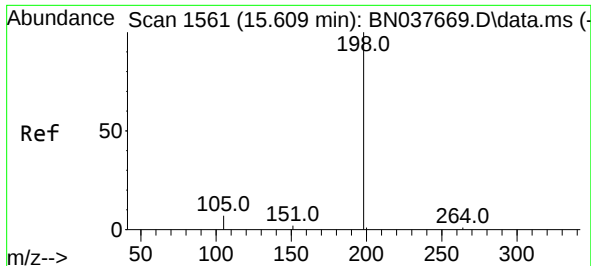
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.4 6.3 9.5#

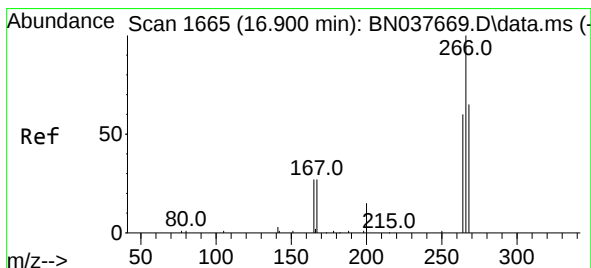
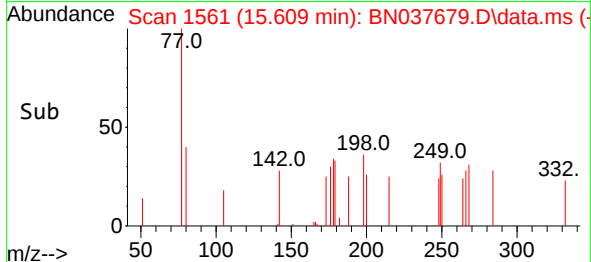
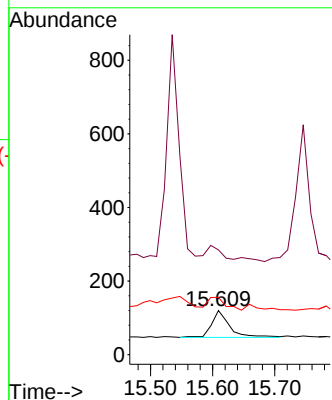
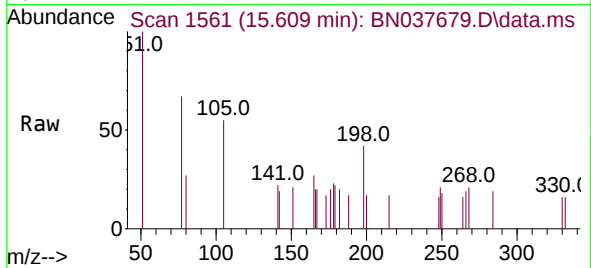




#20
4,6-Dinitro-2-methylphenol
Concen: 0.228 ng
RT: 15.609 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

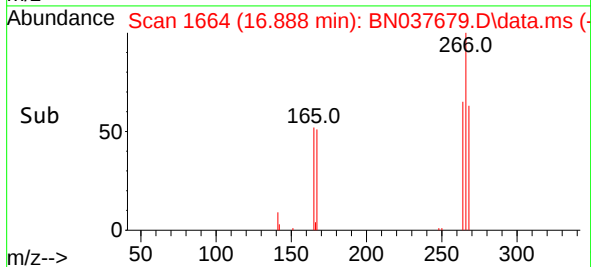
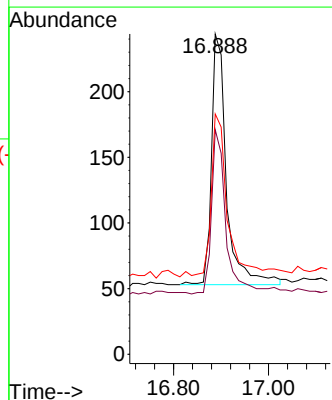
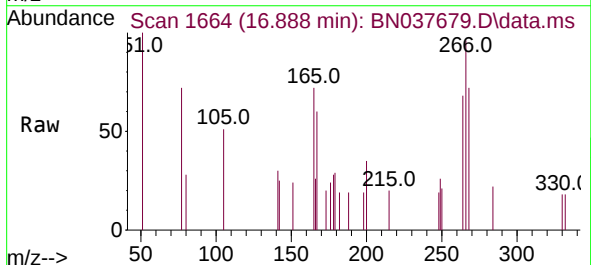
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2025

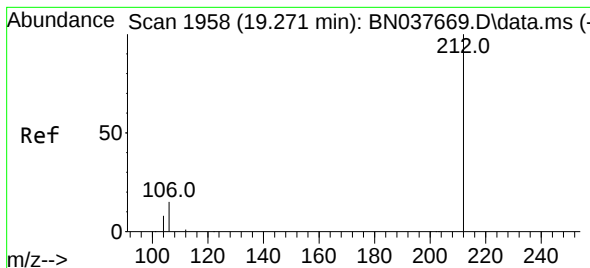
Tgt Ion:198 Resp: 146
Ion Ratio Lower Upper
198 100
51 237.5 144.8 217.2#
105 130.0 110.7 166.1



#24
Pentachlorophenol
Concen: 0.157 ng
RT: 16.888 min Scan# 1664
Delta R.T. -0.013 min
Lab File: BN037679.D
Acq: 10 Sep 2025 12:06

Tgt Ion:266 Resp: 419
Ion Ratio Lower Upper
266 100
264 61.8 49.7 74.5
268 69.2 48.7 73.1





#27

Fluoranthene-d10

Concen: 0.416 ng

RT: 19.271 min Scan# 1958

Delta R.T. -0.000 min

Lab File: BN037679.D

Acq: 10 Sep 2025 12:06

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2025

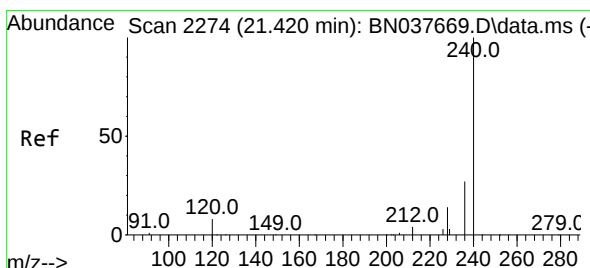
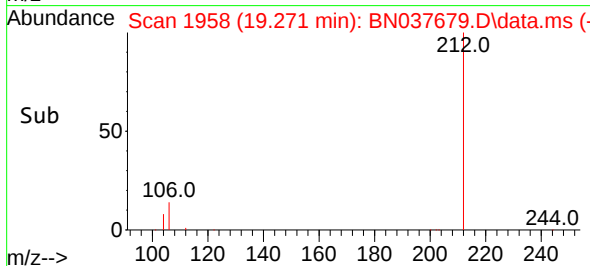
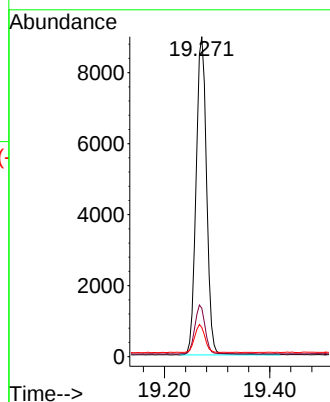
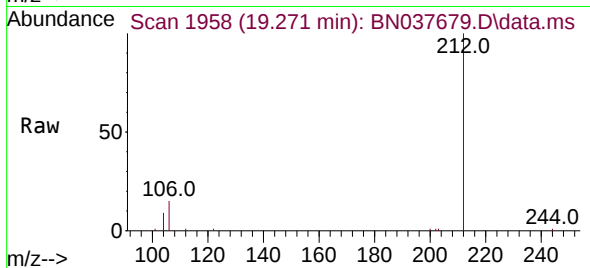
Tgt Ion:212 Resp: 12350

Ion Ratio Lower Upper

212 100

106 15.1 11.8 17.6

104 8.5 6.6 10.0



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.420 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BN037679.D

Acq: 10 Sep 2025 12:06

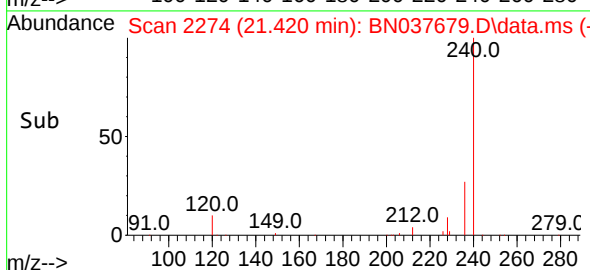
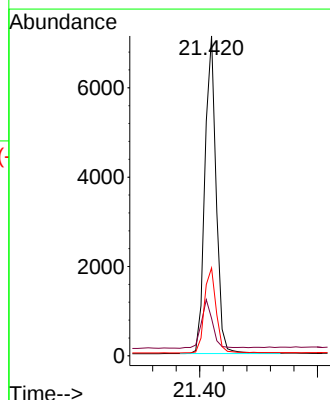
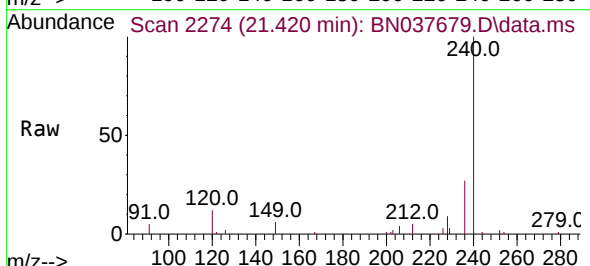
Tgt Ion:240 Resp: 9415

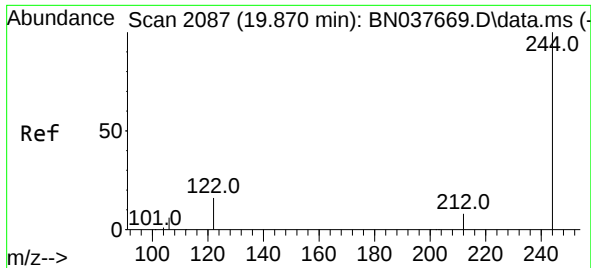
Ion Ratio Lower Upper

240 100

120 11.7 8.5 12.7

236 27.5 22.5 33.7

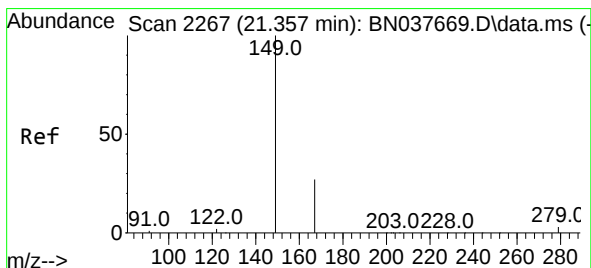
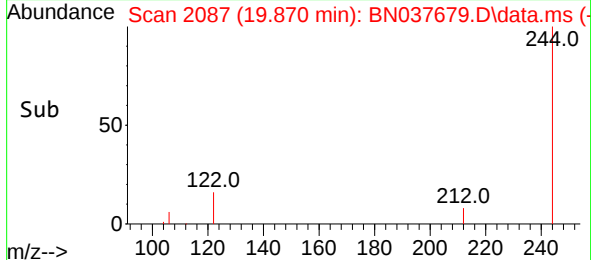
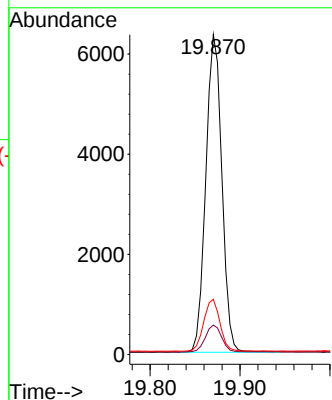
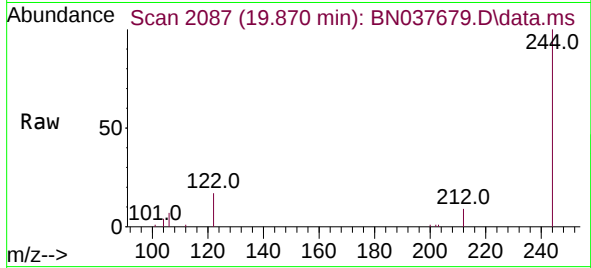




#31
 Terphenyl-d14
 Concen: 0.396 ng
 RT: 19.870 min Scan# 2087
 Delta R.T. -0.000 min
 Lab File: BN037679.D
 Acq: 10 Sep 2025 12:06

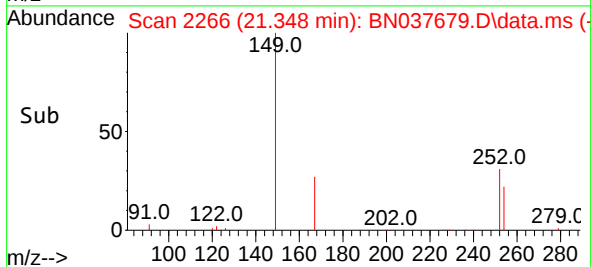
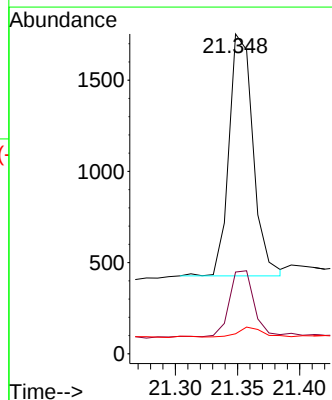
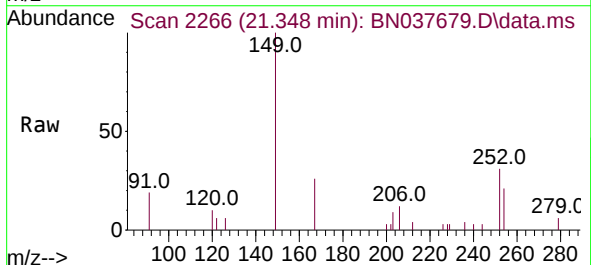
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

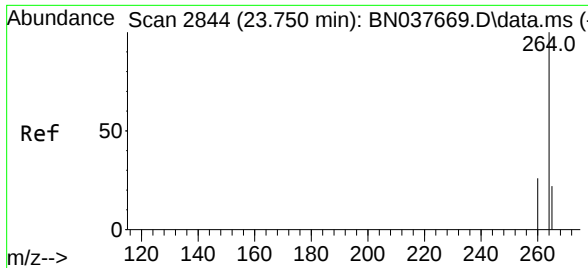
Tgt Ion:244	Resp:	7854
Ion Ratio	Lower	Upper
244	100	
212	9.2	7.0 10.4
122	17.3	13.4 20.2



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.191 ng
 RT: 21.348 min Scan# 2266
 Delta R.T. -0.009 min
 Lab File: BN037679.D
 Acq: 10 Sep 2025 12:06

Tgt Ion:149	Resp:	1786
Ion Ratio	Lower	Upper
149	100	
167	28.4	21.4 32.0
279	4.2	2.6 3.8





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.753 min Scan# 2845
 Delta R.T. 0.003 min
 Lab File: BN037679.D
 Acq: 10 Sep 2025 12:06

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Tgt Ion:	264	Resp:	9531
Ion Ratio	Lower	Upper	
264	100		
260	27.3	21.2	31.8
265	44.3	28.2	42.4#

