

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100225\
 Data File : BN037987.D
 Acq On : 02 Oct 2025 13:11
 Operator : RC/JU
 Sample : Q2899-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT3-2025-05

Quant Time: Oct 02 14:17:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 09:41:10 2025
 Response via : Initial Calibration

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

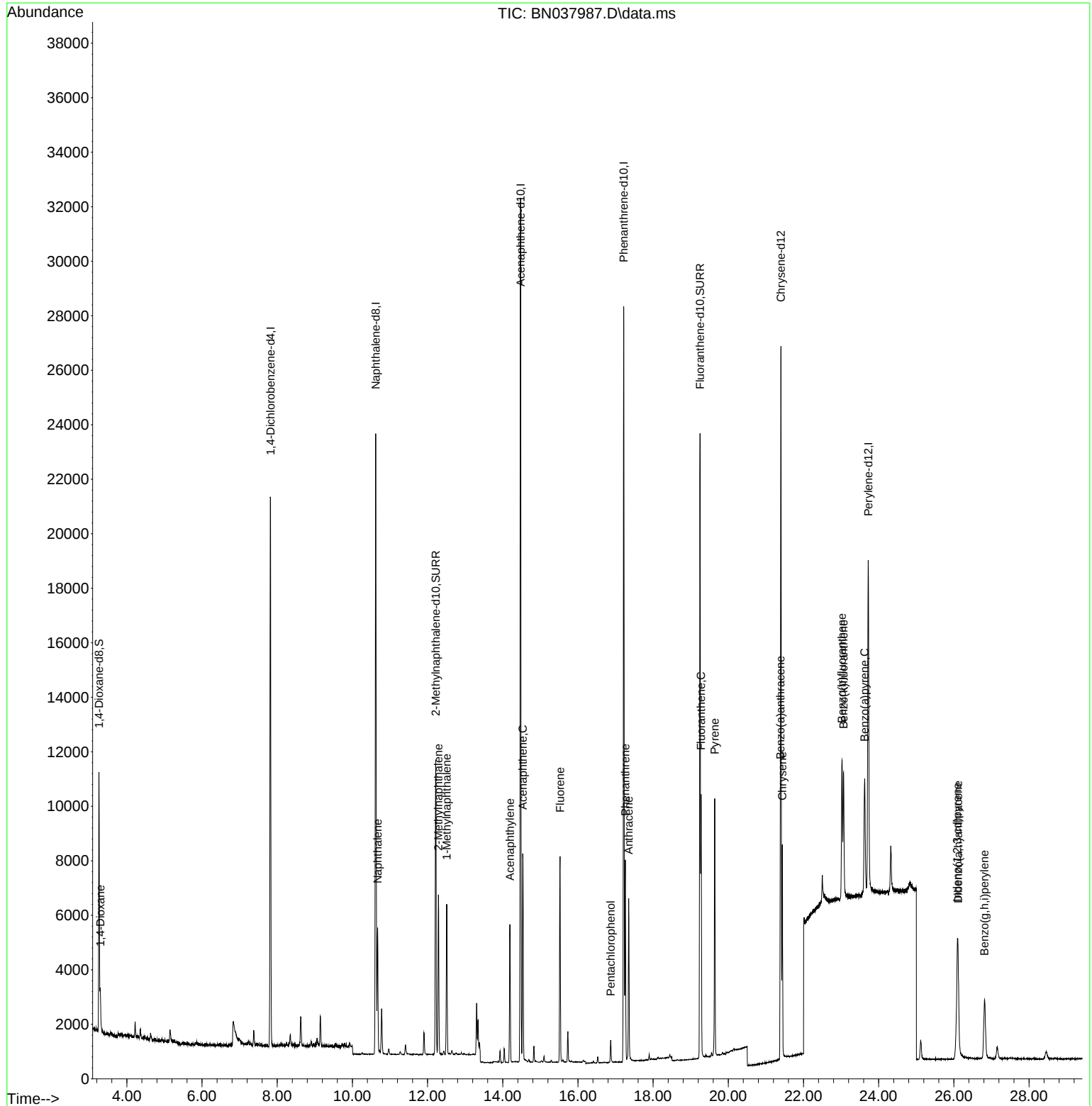
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.821	152	9990	0.400	ng/ul	0.01
4) Naphthalene-d8	10.621	136	29918	0.400	ng/ul	0.01
9) Acenaphthene-d10	14.473	164	16675	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.217	188	31994	0.400	ng/ul	0.00
17) Chrysene-d12	21.401	240	21117	0.400	ng/ul	0.00
23) Perylene-d12	23.722	264	17466	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.260	96	6452	0.609	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.216	152	13671	0.324	ng/ul	0.01
18) Fluoranthene-d10	19.248	212	24241	0.380	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.294	88	899	0.081	ng/ul#	84
5) Naphthalene	10.671	128	6189	0.076	ng/ul	97
7) 2-Methylnaphthalene	12.288	142	4129	0.076	ng/ul	100
8) 1-Methylnaphthalene	12.508	142	3832	0.067	ng/ul	97
10) Acenaphthylene	14.190	152	5646	0.071	ng/ul	98
11) Acenaphthene	14.533	153	4306	0.074	ng/ul	99
12) Fluorene	15.523	166	4737	0.071	ng/ul	97
14) Pentachlorophenol	16.870	266	586	0.071	ng/ul	98
15) Phenanthrene	17.259	178	7749	0.075	ng/ul	98
16) Anthracene	17.352	178	6439	0.071	ng/ul	96
19) Fluoranthene	19.276	202	7900	0.089	ng/ul	97
20) Pyrene	19.638	202	7685	0.088	ng/ul	99
21) Benzo(a)anthracene	21.383	228	5962	0.078	ng/ul	99
22) Chrysene	21.436	228	6467	0.080	ng/ul	98
24) Benzo(b)fluoranthene	23.020	252	6034	0.079	ng/ul#	61
25) Benzo(k)fluoranthene	23.064	252	6082	0.080	ng/ul#	68
26) Benzo(a)pyrene	23.622	252	5172	0.082	ng/ul#	29
27) Indeno(1,2,3-cd)pyrene	26.092	276	6387	0.084	ng/ul#	79
28) Dibenzo(a,h)anthracene	26.112	278	4836	0.082	ng/ul#	82
29) Benzo(g,h,i)perylene	26.816	276	4917	0.079	ng/ul	92

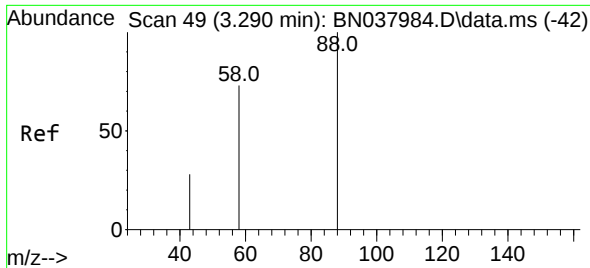
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 09:41:10 2025
Response via : Initial Calibration

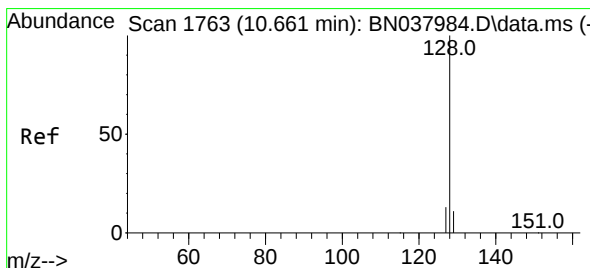
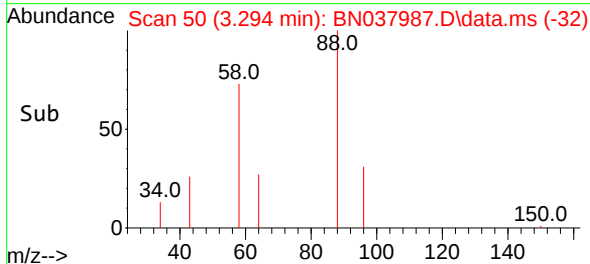
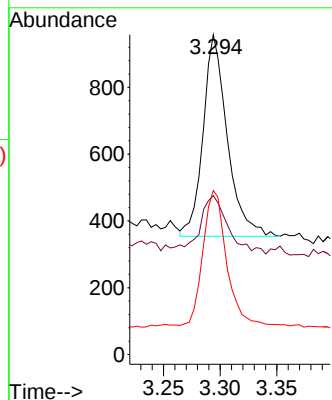
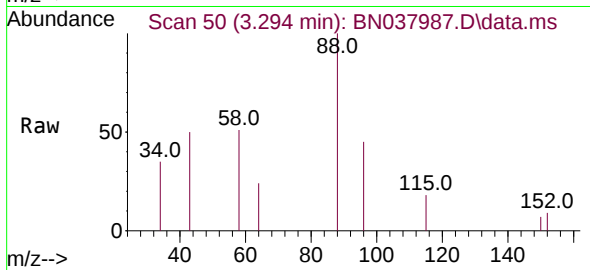




#2
 1,4-Dioxane
 Concen: 0.081 ng/ul
 RT: 3.294 min Scan# 50
 Delta R.T. 0.004 min
 Lab File: BN037987.D
 Acq: 02 Oct 2025 13:11

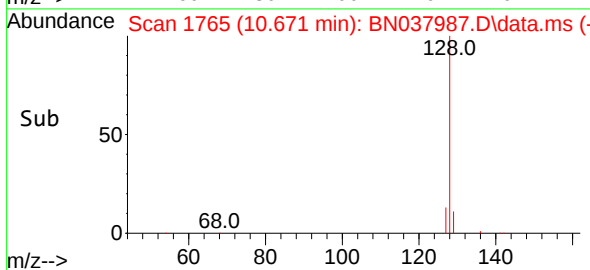
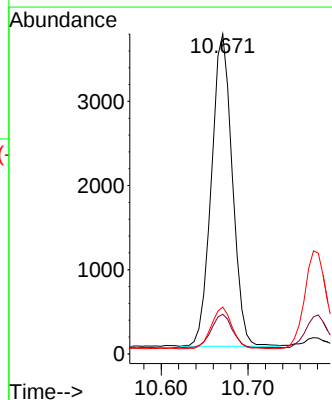
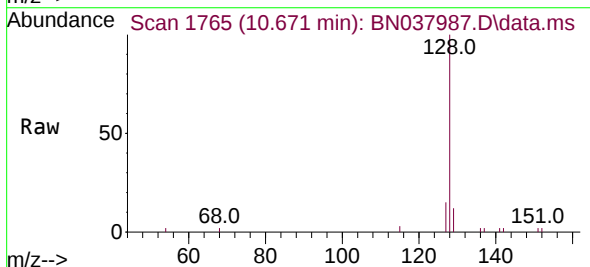
Instrument :
 BNA_N
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 MDL-SOIL-QT3-2025-05

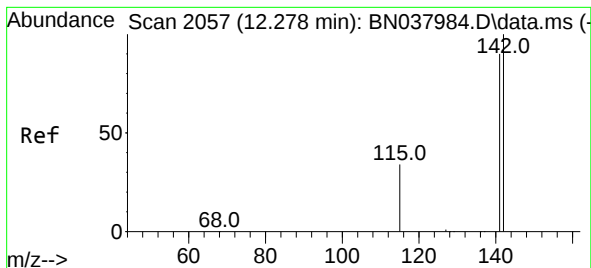
Tgt Ion: 88 Resp: 899
 Ion Ratio Lower Upper
 88 100
 43 49.7 36.2 54.4
 58 51.3 55.3 82.9#



#5
 Naphthalene
 Concen: 0.076 ng/ul
 RT: 10.671 min Scan# 1765
 Delta R.T. 0.011 min
 Lab File: BN037987.D
 Acq: 02 Oct 2025 13:11

Tgt Ion: 128 Resp: 6189
 Ion Ratio Lower Upper
 128 100
 129 12.4 9.1 13.7
 127 14.6 10.8 16.2

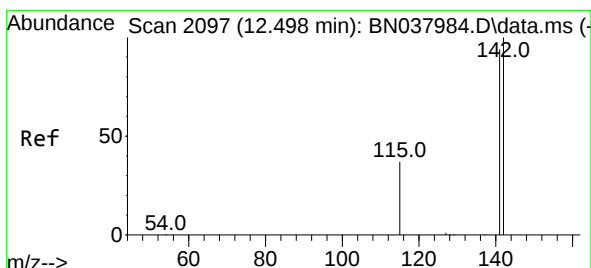
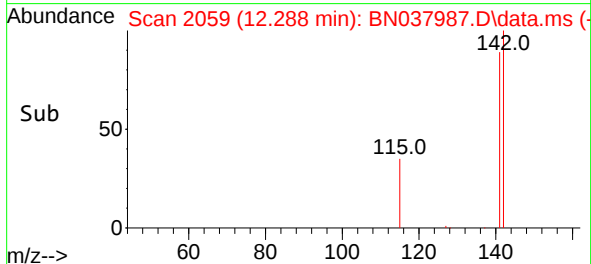
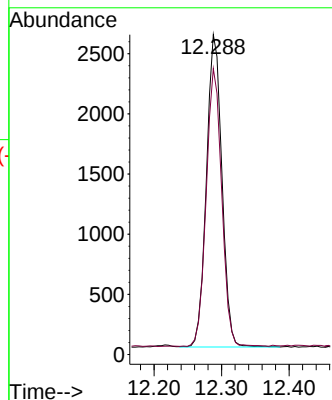
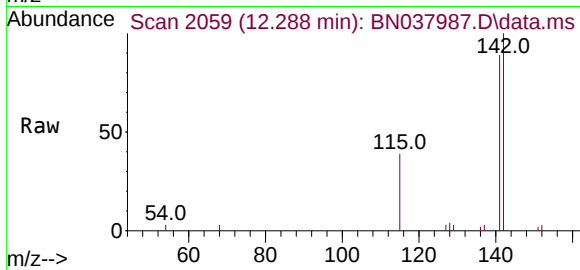




#7
2-Methylnaphthalene
Concen: 0.076 ng/ul
RT: 12.288 min Scan# 2059
Delta R.T. 0.005 min
Lab File: BN037987.D
Acq: 02 Oct 2025 13:11

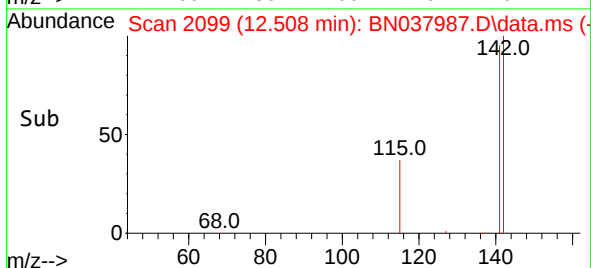
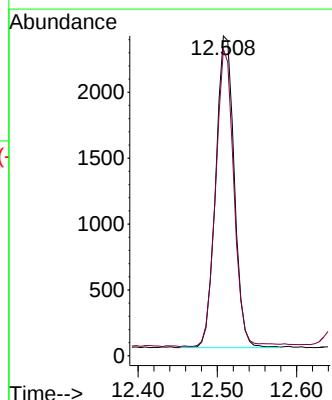
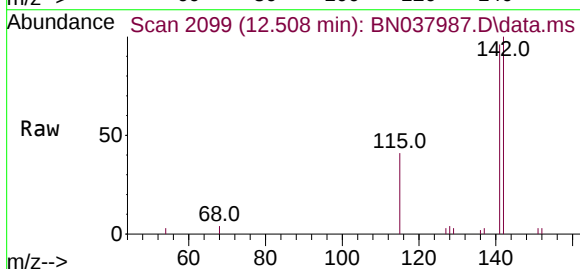
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2025-05

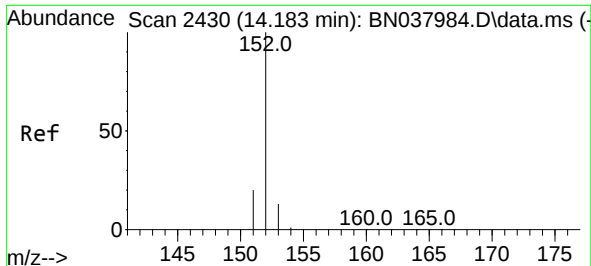
Tgt Ion:142 Resp: 4129
Ion Ratio Lower Upper
142 100
141 89.1 71.2 106.8



#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.508 min Scan# 2099
Delta R.T. 0.005 min
Lab File: BN037987.D
Acq: 02 Oct 2025 13:11

Tgt Ion:142 Resp: 3832
Ion Ratio Lower Upper
142 100
141 94.8 73.9 110.9

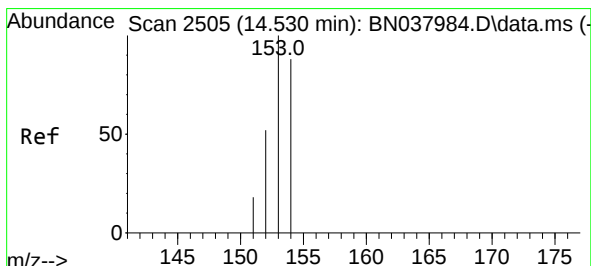
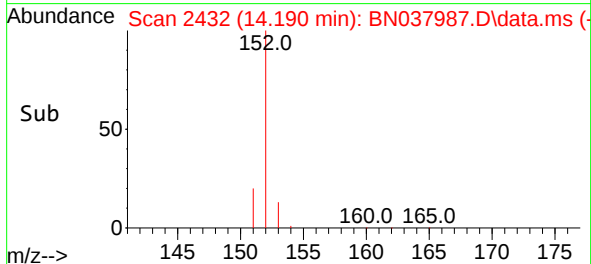
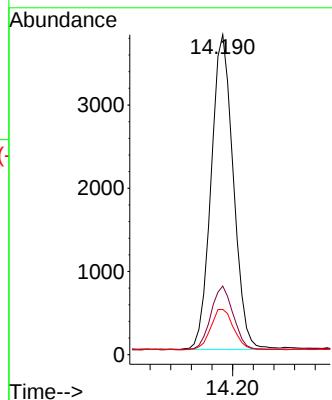
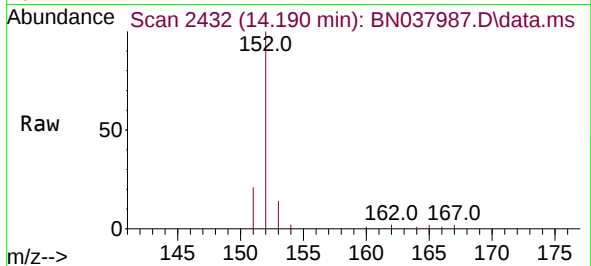




#10
Acenaphthylene
Concen: 0.071 ng/ul
RT: 14.190 min Scan# 2432
Delta R.T. 0.009 min
Lab File: BN037987.D
Acq: 02 Oct 2025 13:11

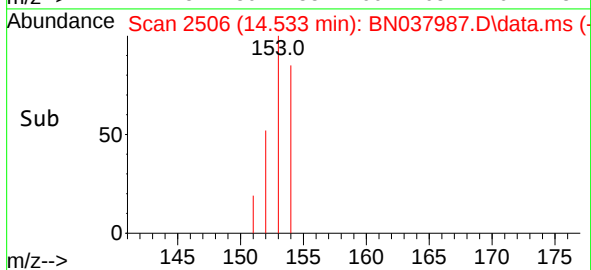
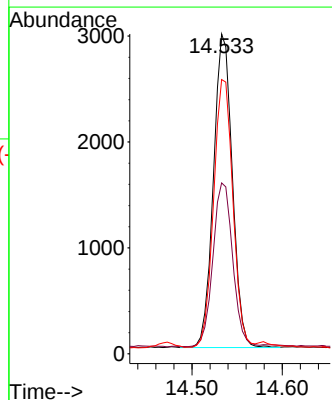
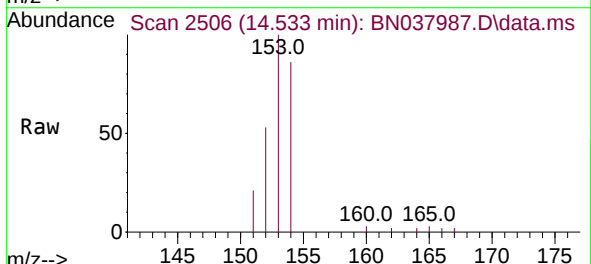
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2025-05

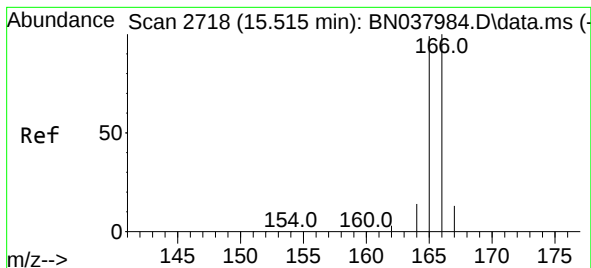
Tgt Ion:	152	Resp:	5646
Ion Ratio	Lower	Upper	
152	100		
151	21.5	16.3	24.5
153	14.1	10.6	15.8



#11
Acenaphthene
Concen: 0.074 ng/ul
RT: 14.533 min Scan# 2506
Delta R.T. 0.005 min
Lab File: BN037987.D
Acq: 02 Oct 2025 13:11

Tgt Ion:	153	Resp:	4306
Ion Ratio	Lower	Upper	
153	100		
152	53.4	42.2	63.2
154	85.7	69.1	103.7





#12

Fluorene

Concen: 0.071 ng/ul

RT: 15.523 min Scan# 21

Delta R.T. 0.005 min

Lab File: BN037987.D

Acq: 02 Oct 2025 13:11

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT3-2025-05

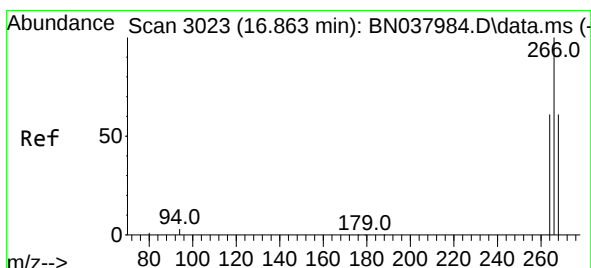
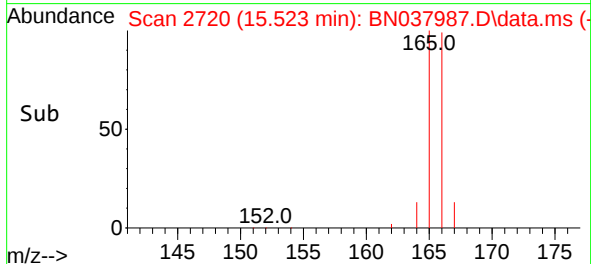
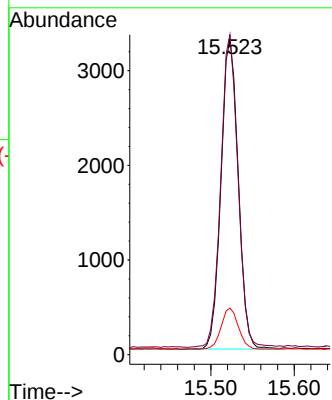
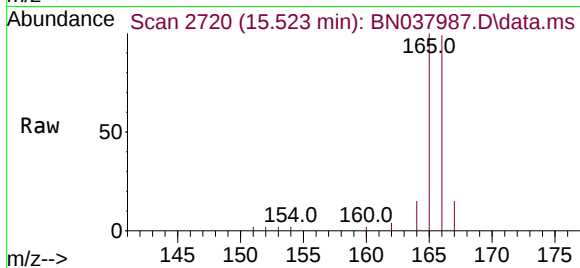
Tgt Ion:166 Resp: 4737

Ion Ratio Lower Upper

166 100

165 101.3 78.7 118.1

167 14.7 10.9 16.3



#14

Pentachlorophenol

Concen: 0.071 ng/ul

RT: 16.870 min Scan# 3025

Delta R.T. 0.008 min

Lab File: BN037987.D

Acq: 02 Oct 2025 13:11

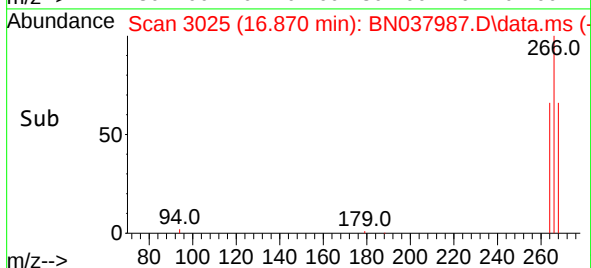
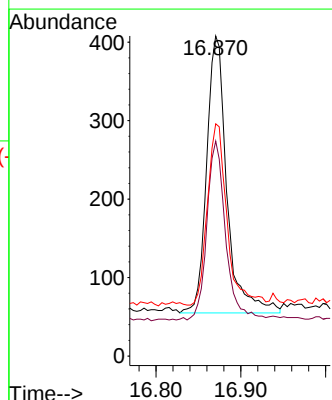
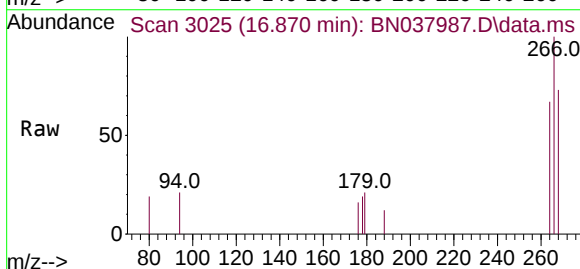
Tgt Ion:266 Resp: 586

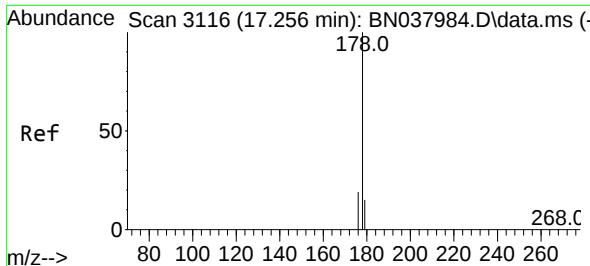
Ion Ratio Lower Upper

266 100

264 61.1 50.4 75.6

268 63.1 51.6 77.4

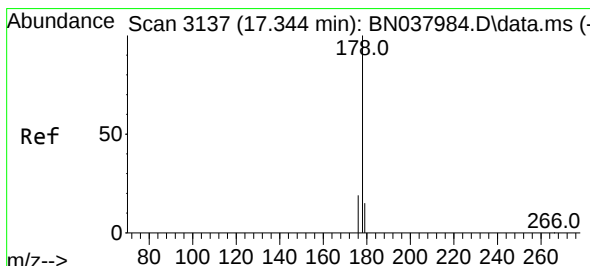
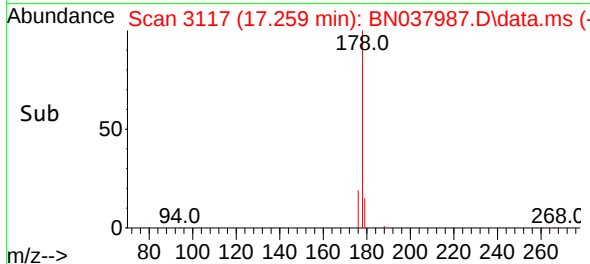
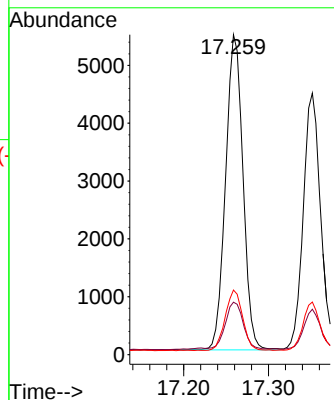
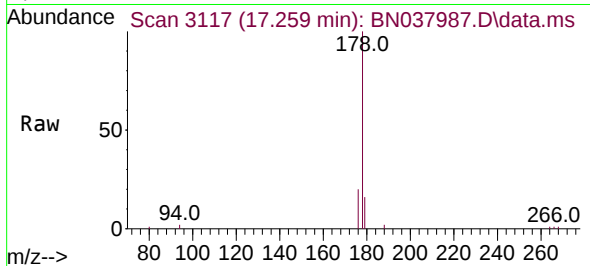




#15
Phenanthrene
Concen: 0.075 ng/ul
RT: 17.259 min Scan# 3116
Delta R.T. 0.004 min
Lab File: BN037987.D
Acq: 02 Oct 2025 13:11

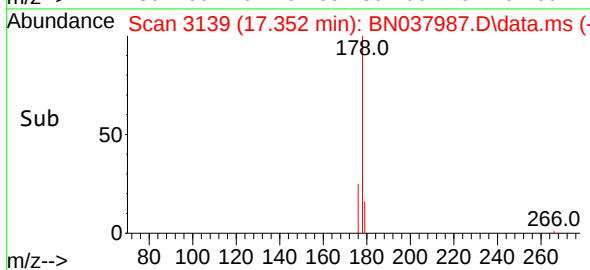
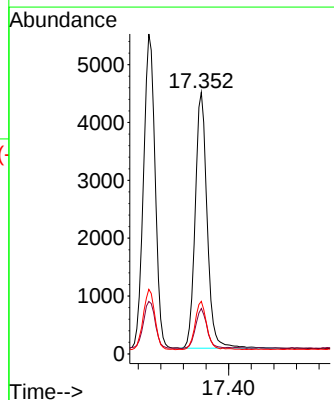
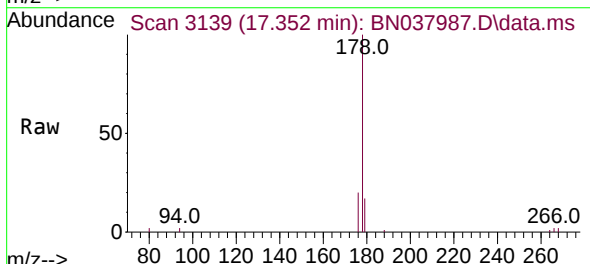
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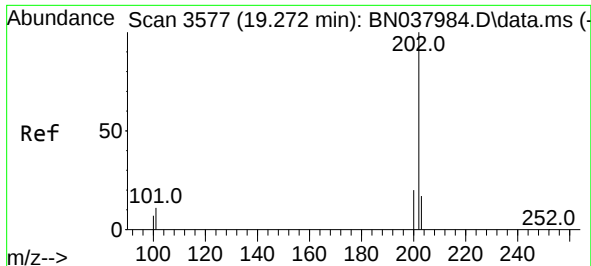
Tgt Ion:178 Resp: 7749
Ion Ratio Lower Upper
178 100
179 16.4 12.3 18.5
176 20.2 15.6 23.4



#16
Anthracene
Concen: 0.071 ng/ul
RT: 17.352 min Scan# 3139
Delta R.T. 0.004 min
Lab File: BN037987.D
Acq: 02 Oct 2025 13:11

Tgt Ion:178 Resp: 6439
Ion Ratio Lower Upper
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179 17.4 12.5 18.7
176 20.1 14.9 22.3

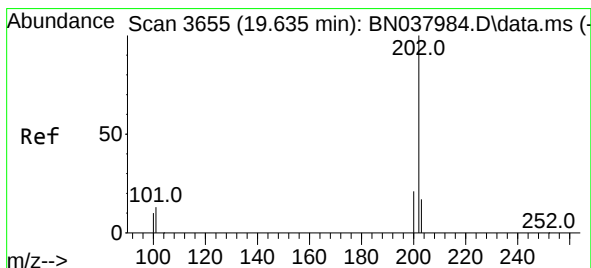
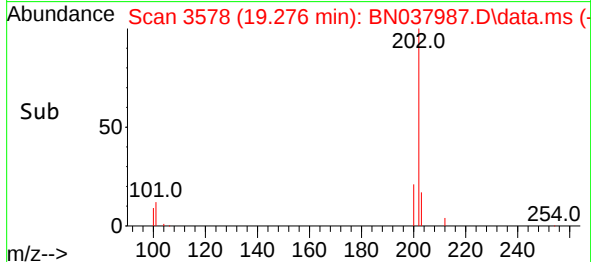
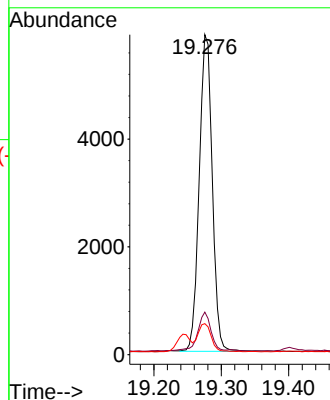
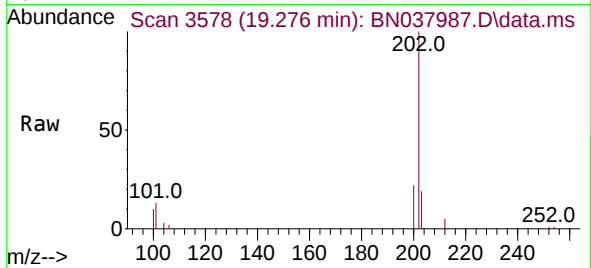




#19
Fluoranthene
Concen: 0.089 ng/ul
RT: 19.276 min Scan# 3577
Delta R.T. 0.005 min
Lab File: BN037987.D
Acq: 02 Oct 2025 13:11

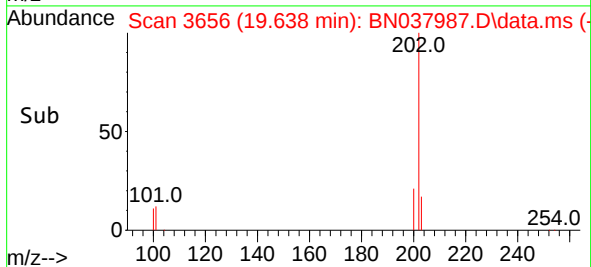
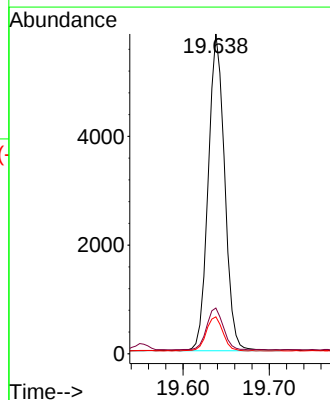
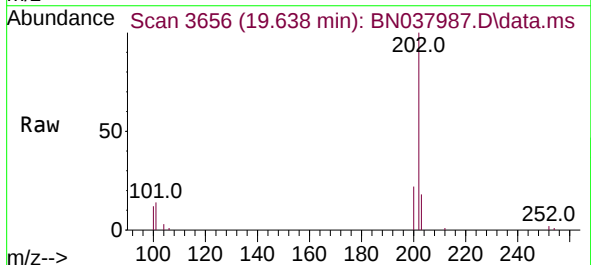
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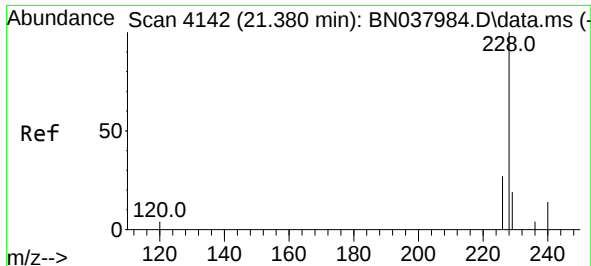
Tgt Ion:202 Resp: 7900
Ion Ratio Lower Upper
202 100
101 13.3 9.5 14.3
100 9.7 7.2 10.8



#20
Pyrene
Concen: 0.088 ng/ul
RT: 19.638 min Scan# 3656
Delta R.T. 0.005 min
Lab File: BN037987.D
Acq: 02 Oct 2025 13:11

Tgt Ion:202 Resp: 7685
Ion Ratio Lower Upper
202 100
101 14.3 11.1 16.7
100 11.6 9.0 13.4

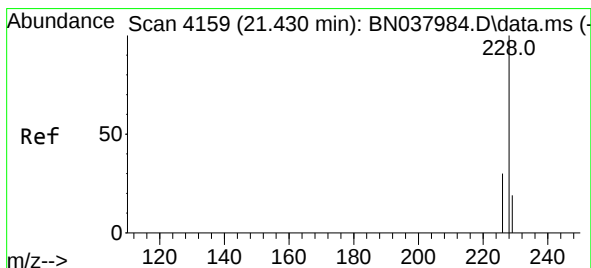
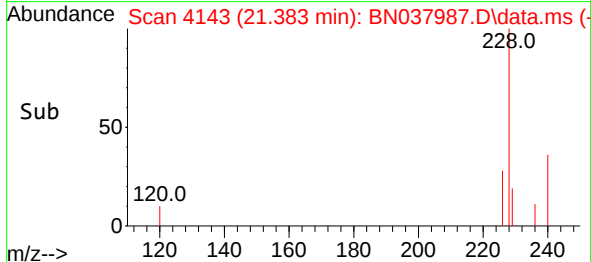
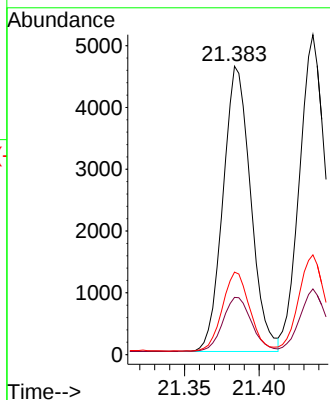
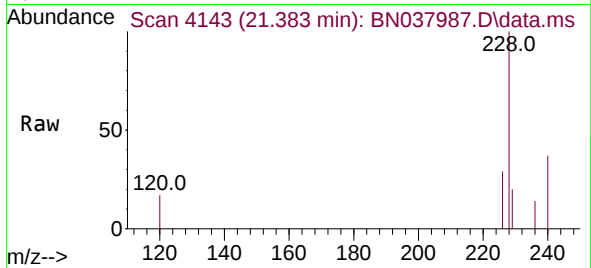




#21
Benzo(a)anthracene
Concen: 0.078 ng/ul
RT: 21.383 min Scan# 4142
Delta R.T. 0.003 min
Lab File: BN037987.D
Acq: 02 Oct 2025 13:11

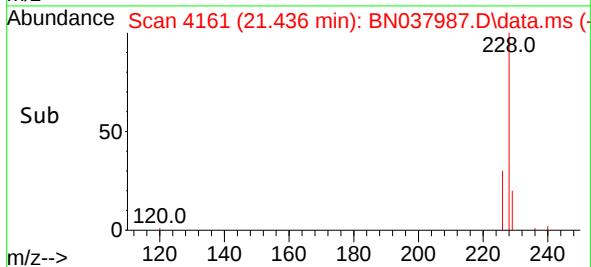
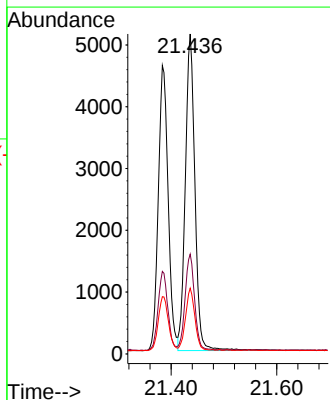
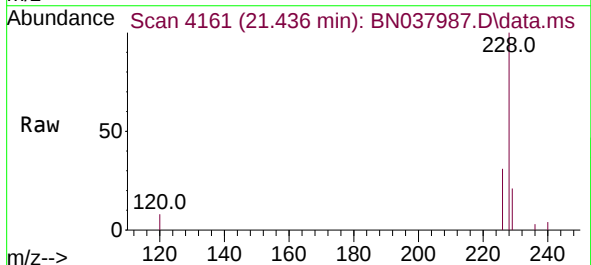
Instrument :
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MDL-SOIL-QT3-2025-05

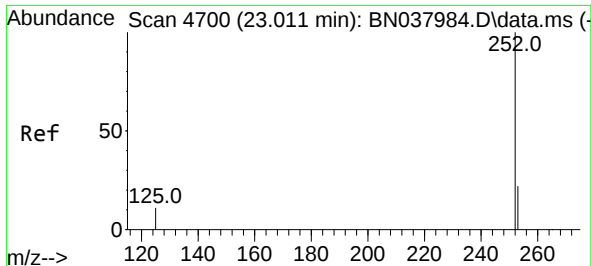
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Ion Ratio Lower Upper
228 100
229 19.9 15.8 23.6
226 28.6 22.1 33.1



#22
Chrysene
Concen: 0.080 ng/ul
RT: 21.436 min Scan# 4161
Delta R.T. 0.003 min
Lab File: BN037987.D
Acq: 02 Oct 2025 13:11

Tgt Ion:228 Resp: 6467
Ion Ratio Lower Upper
228 100
226 31.2 24.3 36.5
229 20.5 15.8 23.6

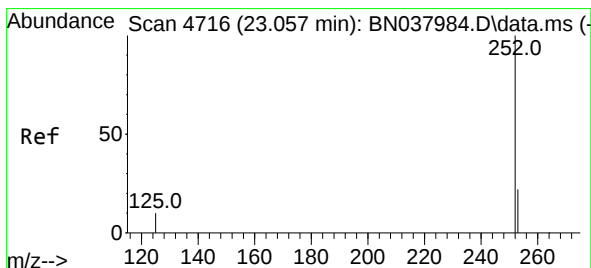
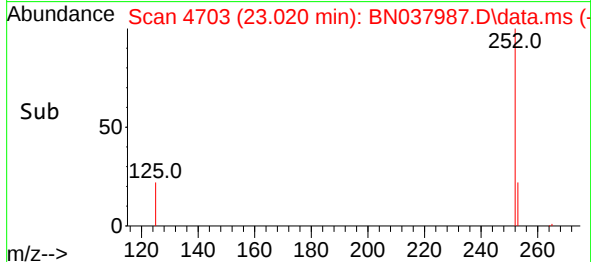
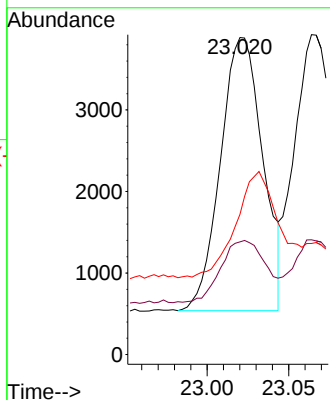
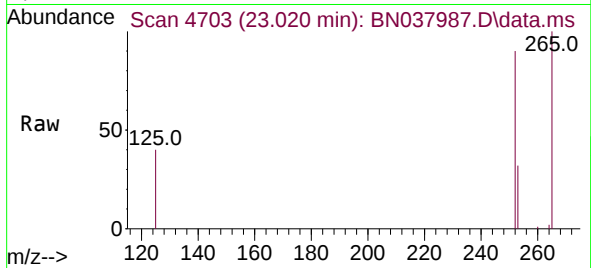




#24
Benzo(b)fluoranthene
Concen: 0.079 ng/ul
RT: 23.020 min Scan# 4718
Delta R.T. 0.006 min
Lab File: BN037987.D
Acq: 02 Oct 2025 13:11

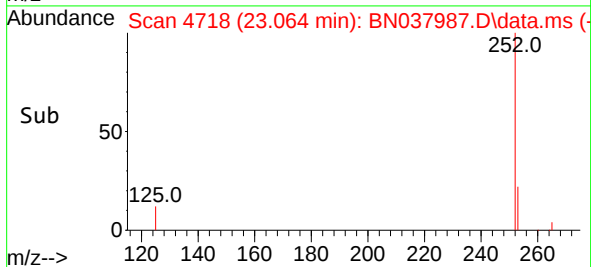
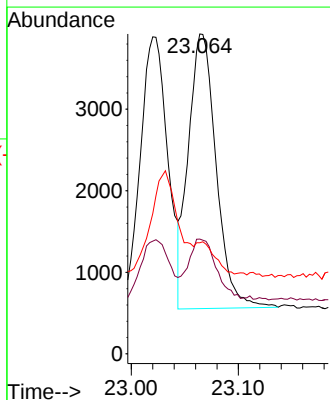
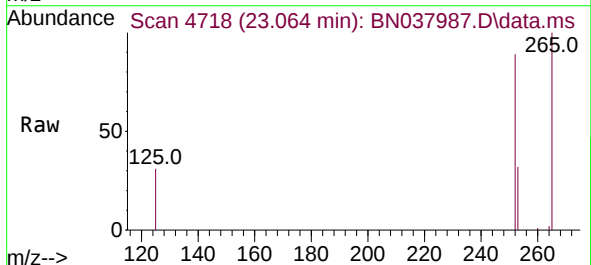
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2025-05

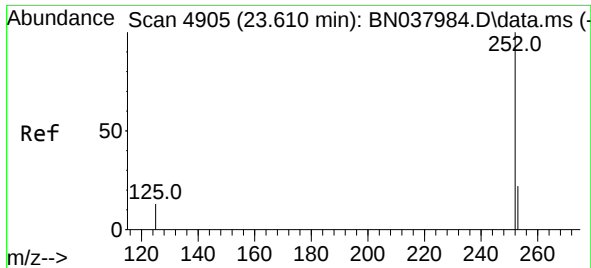
Tgt Ion:252 Resp: 6034
Ion Ratio Lower Upper
252 100
253 35.6 0.0 49.6
125 44.2 0.0 31.6#



#25
Benzo(k)fluoranthene
Concen: 0.080 ng/ul
RT: 23.064 min Scan# 4718
Delta R.T. 0.003 min
Lab File: BN037987.D
Acq: 02 Oct 2025 13:11

Tgt Ion:252 Resp: 6082
Ion Ratio Lower Upper
252 100
253 35.9 19.4 29.2#
125 34.7 12.3 18.5#

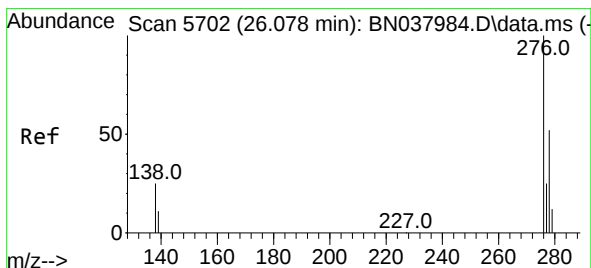
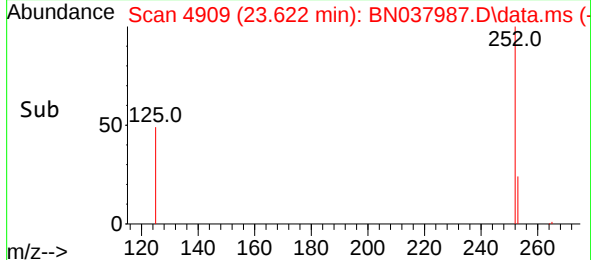
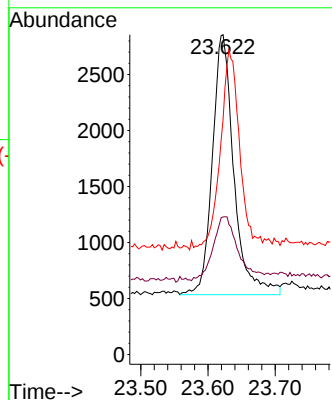
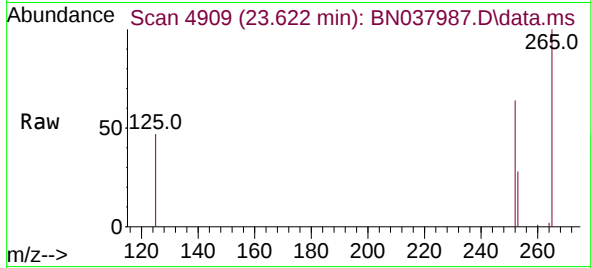




#26
Benzo(a)pyrene
Concen: 0.082 ng/ul
RT: 23.622 min Scan# 4909
Delta R.T. 0.009 min
Lab File: BN037987.D
Acq: 02 Oct 2025 13:11

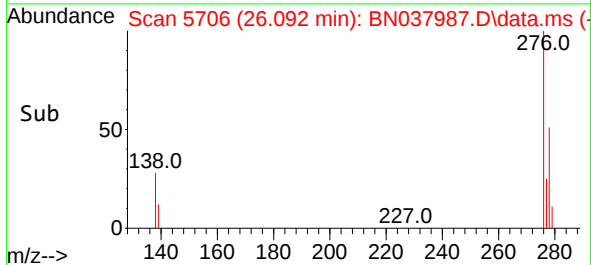
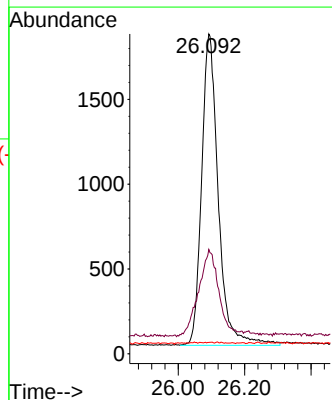
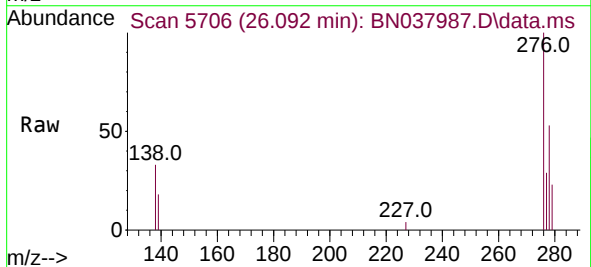
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2025-05

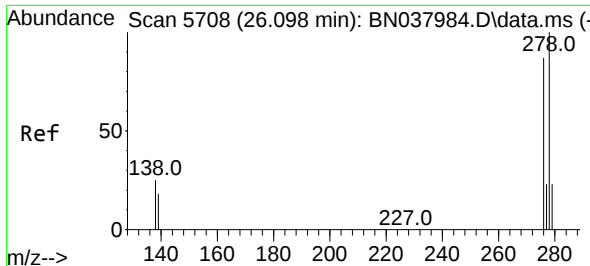
Tgt Ion:252 Resp: 5172
Ion Ratio Lower Upper
252 100
253 43.0 20.6 30.8#
125 73.5 15.3 22.9#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.084 ng/ul
RT: 26.092 min Scan# 5706
Delta R.T. 0.004 min
Lab File: BN037987.D
Acq: 02 Oct 2025 13:11

Tgt Ion:276 Resp: 6387
Ion Ratio Lower Upper
276 100
138 34.5 19.4 29.0#
227 0.1 0.1 0.1#

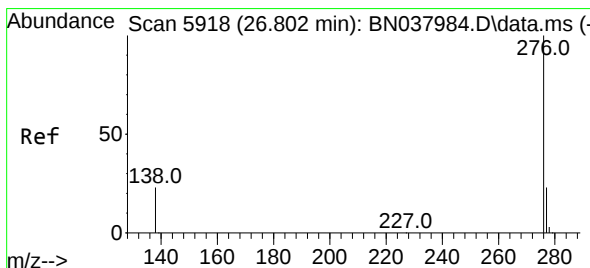
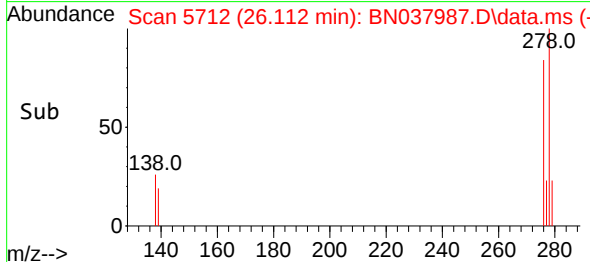
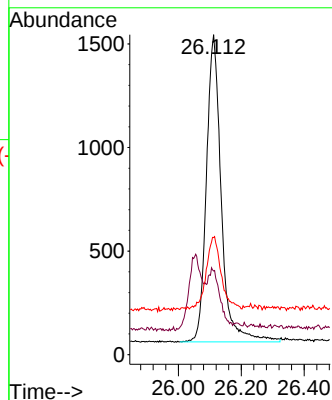
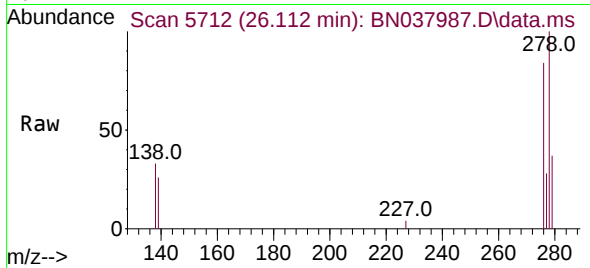




#28
 Dibenzo(a,h)anthracene
 Concen: 0.082 ng/ul
 RT: 26.112 min Scan# 51
 Delta R.T. 0.010 min
 Lab File: BN037987.D
 Acq: 02 Oct 2025 13:11

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT3-2025-05

Tgt Ion:278 Resp: 4836
 Ion Ratio Lower Upper
 278 100
 139 26.1 15.8 23.6#
 279 36.6 20.8 31.2#



#29
 Benzo(g,h,i)perylene
 Concen: 0.079 ng/ul
 RT: 26.816 min Scan# 5922
 Delta R.T. 0.007 min
 Lab File: BN037987.D
 Acq: 02 Oct 2025 13:11

Tgt Ion:276 Resp: 4917
 Ion Ratio Lower Upper
 276 100
 138 29.5 19.7 29.5
 277 28.1 19.7 29.5

