

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112824\
 Data File : BN035381.D
 Acq On : 28 Nov 2024 13:57
 Operator : RC/JU
 Sample : P4776-04
 Misc : MDL-SOIL-QT4-2024
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT4-2024-08

Quant Time: Nov 29 05:19:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 06:09:15 2024
 Response via : Initial Calibration

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

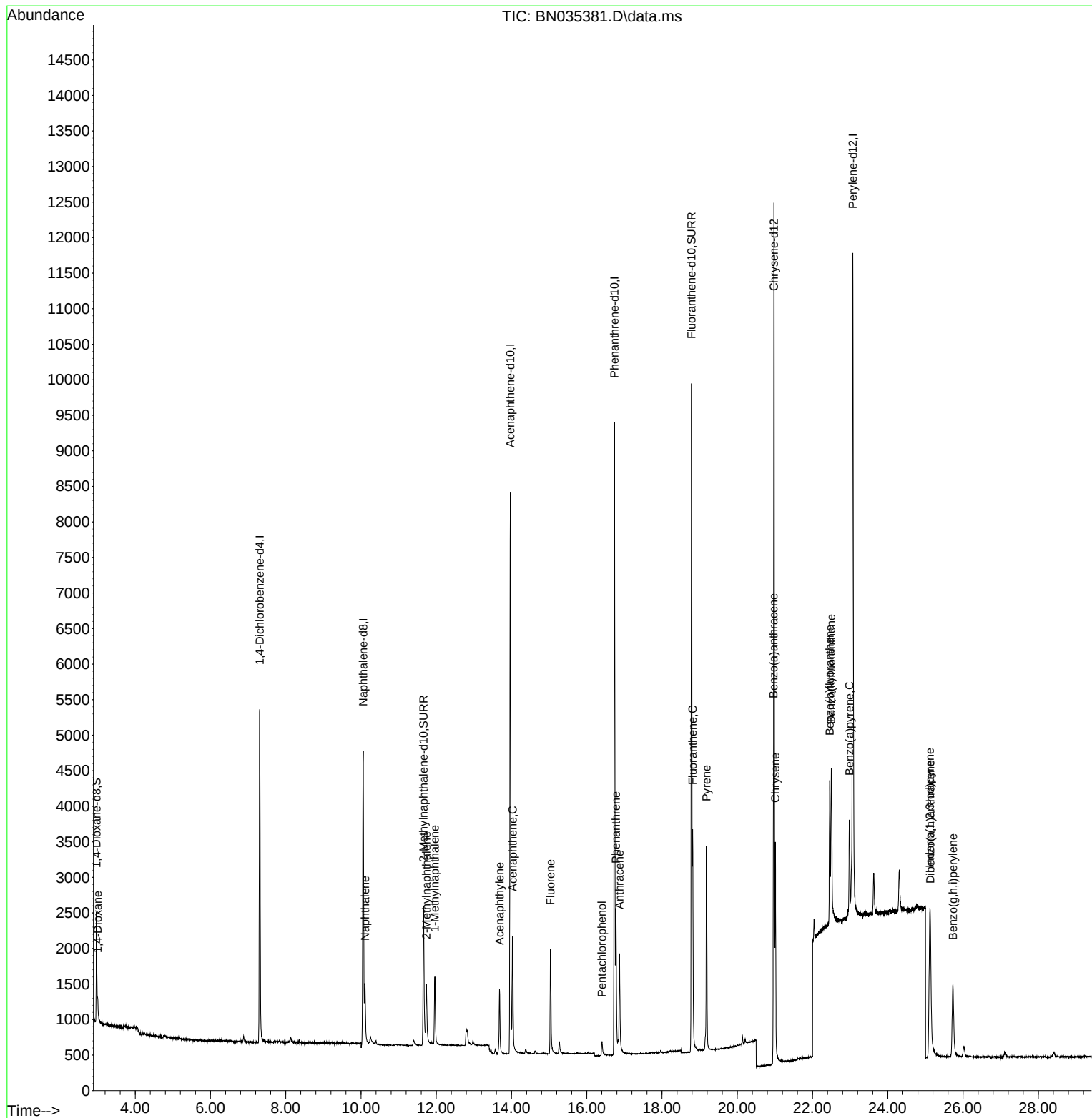
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.310	152	2520	0.400	ng/ul	0.00
4) Naphthalene-d8	10.059	136	6591	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.967	164	4708	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.734	188	11822	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.976	240	10809	0.400	ng/ul	# 0.00
23) Perylene-d12	23.071	264	12288	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.968	96	1244	0.540	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.659	152	3253	0.337	ng/ul	0.00
18) Fluoranthene-d10	18.786	212	11423	0.383	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.001	88	188	0.075	ng/ul#	82
5) Naphthalene	10.108	128	1033	0.062	ng/ul#	85
7) 2-Methylnaphthalene	11.736	142	716	0.062	ng/ul	98
8) 1-Methylnaphthalene	11.961	142	751	0.065	ng/ul	98
10) Acenaphthylene	13.681	152	1163	0.062	ng/ul#	87
11) Acenaphthene	14.032	153	955	0.067	ng/ul	98
12) Fluorene	15.036	166	1120	0.067	ng/ul#	97
14) Pentachlorophenol	16.405	266	198	0.072	ng/ul	97
15) Phenanthrene	16.776	178	2057	0.066	ng/ul	93
16) Anthracene	16.869	178	1678	0.058	ng/ul#	91
19) Fluoranthene	18.814	202	2596	0.069	ng/ul#	88
20) Pyrene	19.181	202	2646	0.068	ng/ul#	85
21) Benzo(a)anthracene	20.961	228	2290	0.061	ng/ul	97
22) Chrysene	21.014	228	2648	0.070	ng/ul	99
24) Benzo(b)fluoranthene	22.457	252	2394	0.059	ng/ul#	79
25) Benzo(k)fluoranthene	22.498	252	2954	0.071	ng/ul#	73
26) Benzo(a)pyrene	22.981	252	2376	0.064	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	25.114	276	3023m	0.060	ng/ul	
28) Dibenzo(a,h)anthracene	25.135	278	2284m	0.058	ng/ul	
29) Benzo(g,h,i)perylene	25.732	276	2244	0.057	ng/ul#	85

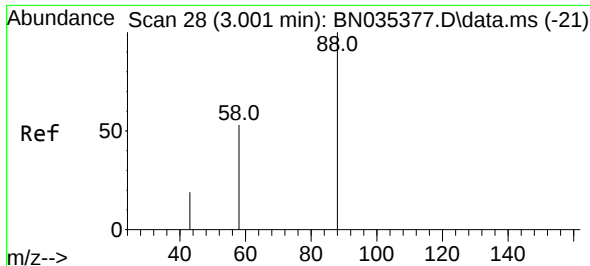
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112824\
Data File : BN035381.D
Acq On : 28 Nov 2024 13:57
Operator : RC/JU
Sample : P4776-04
Misc : MDL-SOIL-QT4-2024
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-08

Quant Time: Nov 29 05:19:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN11624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 06:09:15 2024
Response via : Initial Calibration

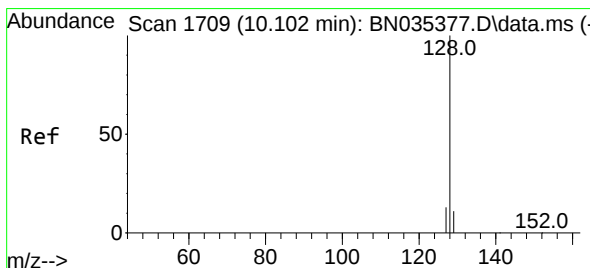
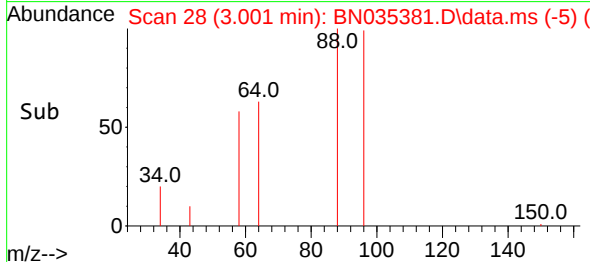
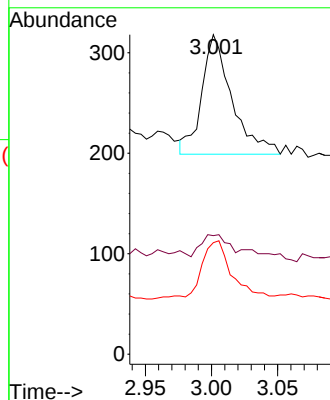
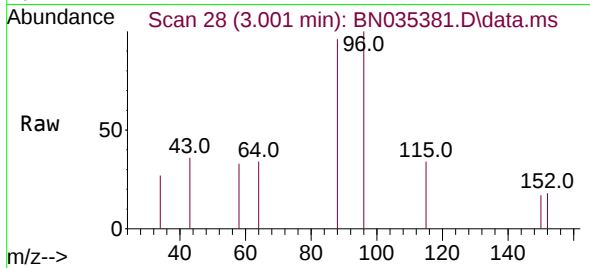




#2
1,4-Dioxane
Concen: 0.075 ng/ul
RT: 3.001 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

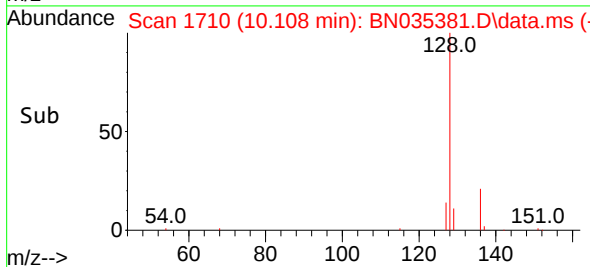
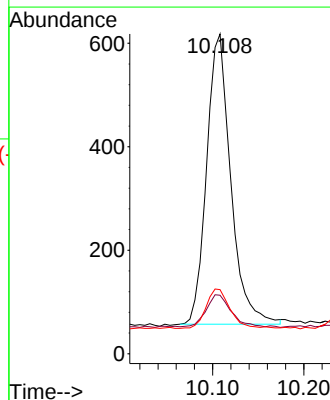
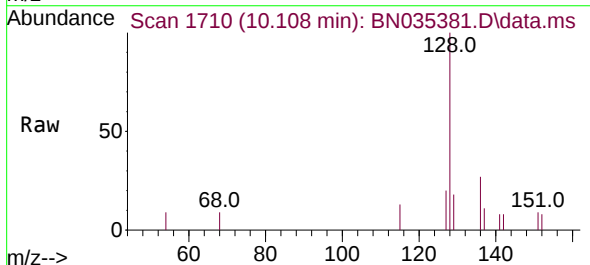
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-08

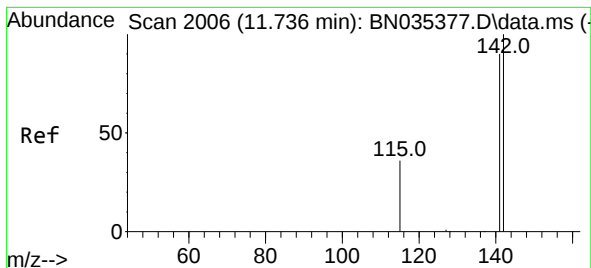
Tgt Ion: 88 Resp: 188
Ion Ratio Lower Upper
88 100
43 37.1 20.6 31.0#
58 34.9 36.2 54.4#



#5
Naphthalene
Concen: 0.062 ng/ul
RT: 10.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

Tgt Ion: 128 Resp: 1033
Ion Ratio Lower Upper
128 100
129 18.3 9.9 14.9#
127 20.1 11.4 17.2#

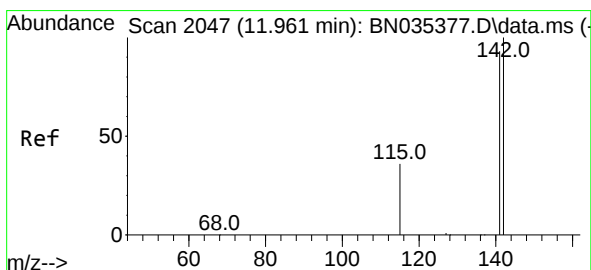
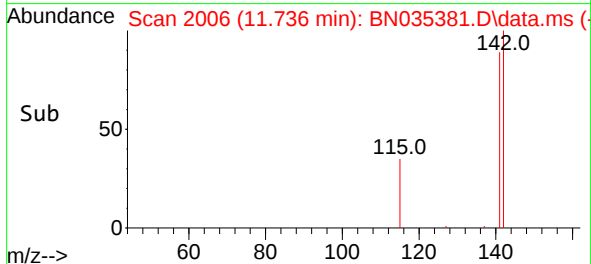
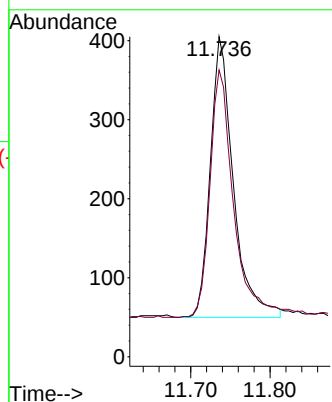
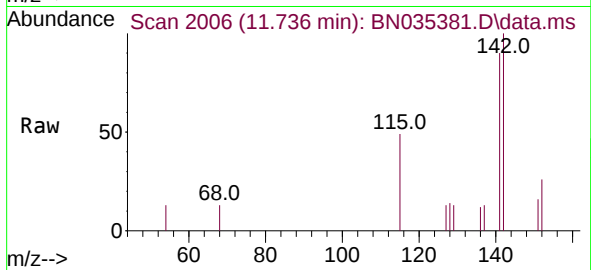




#7
2-Methylnaphthalene
Concen: 0.062 ng/ul
RT: 11.736 min Scan# 2006
Delta R.T. -0.005 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

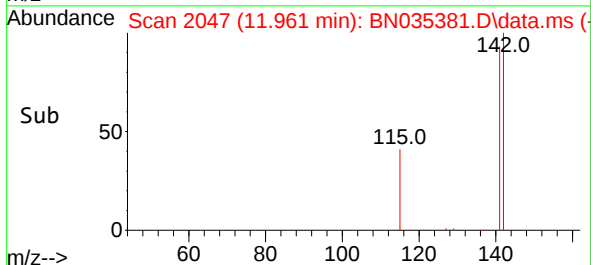
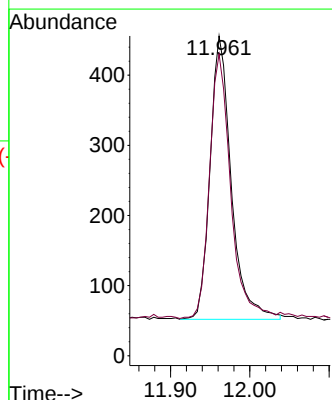
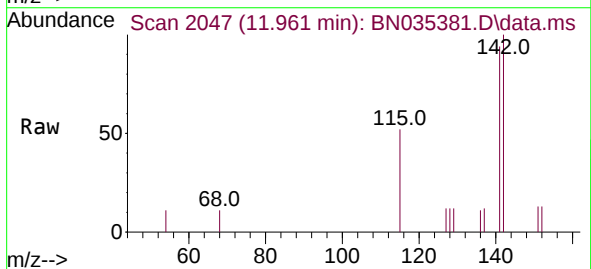
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-08

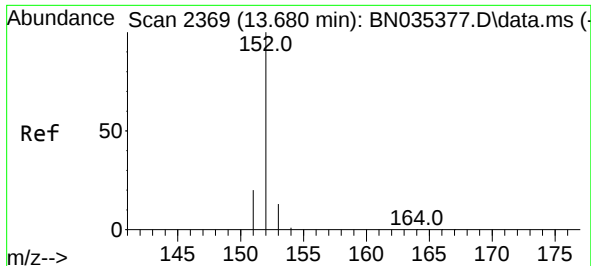
Tgt Ion:142 Resp: 716
Ion Ratio Lower Upper
142 100
141 89.8 70.4 105.6



#8
1-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 11.961 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

Tgt Ion:142 Resp: 751
Ion Ratio Lower Upper
142 100
141 93.1 73.1 109.7

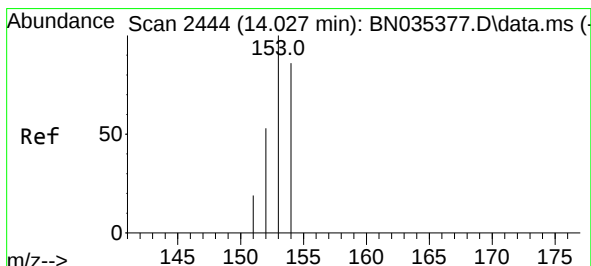
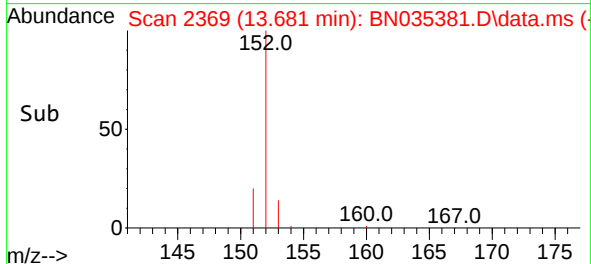
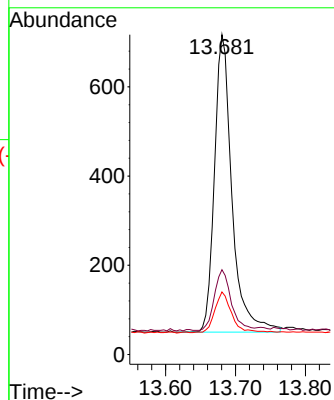
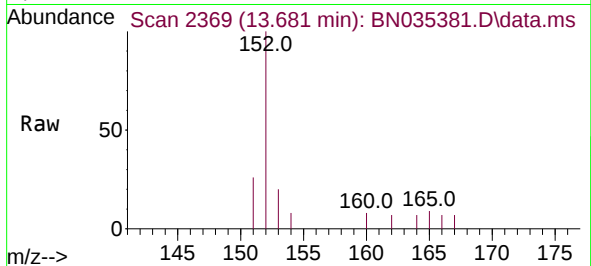




#10
Acenaphthylene
Concen: 0.062 ng/ul
RT: 13.681 min Scan# 2163
Delta R.T. -0.005 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

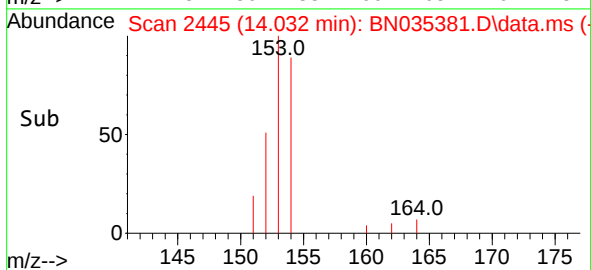
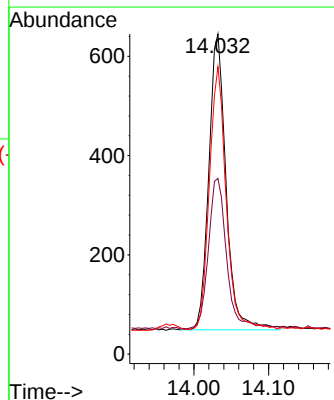
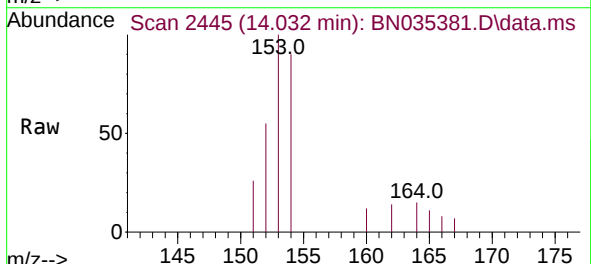
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-08

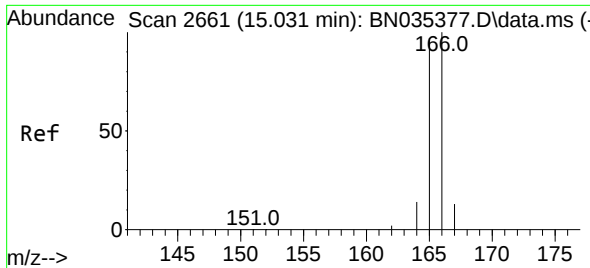
Tgt Ion:152 Resp: 1163
Ion Ratio Lower Upper
152 100
151 26.5 16.4 24.6#
153 19.5 11.1 16.7#



#11
Acenaphthene
Concen: 0.067 ng/ul
RT: 14.032 min Scan# 2445
Delta R.T. -0.005 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

Tgt Ion:153 Resp: 955
Ion Ratio Lower Upper
153 100
152 54.9 41.4 62.0
154 89.8 71.2 106.8

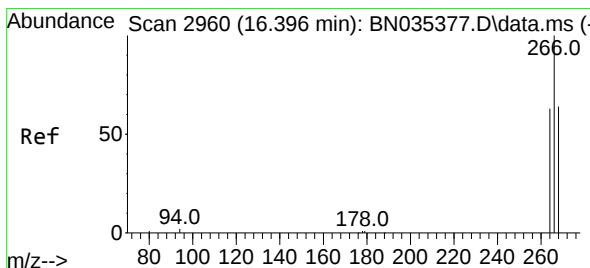
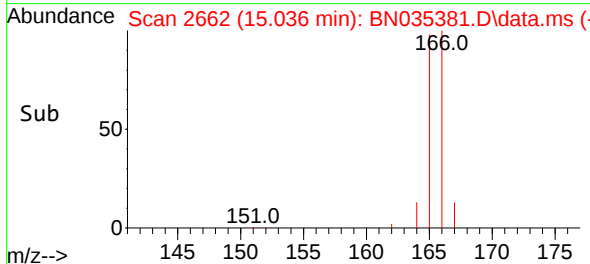
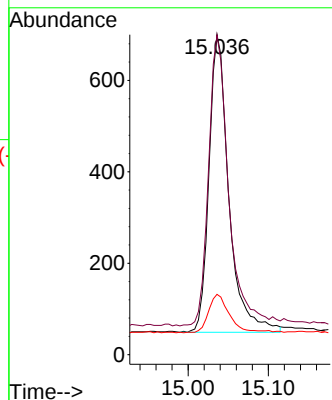
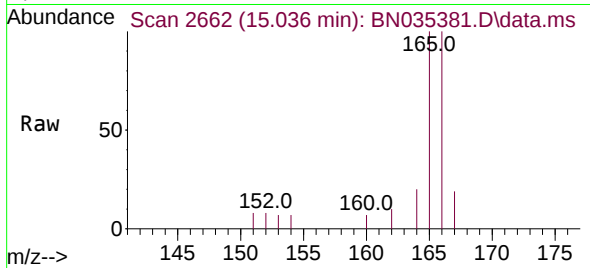




#12
Fluorene
Concen: 0.067 ng/ul
RT: 15.036 min Scan# 2662
Delta R.T. -0.000 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

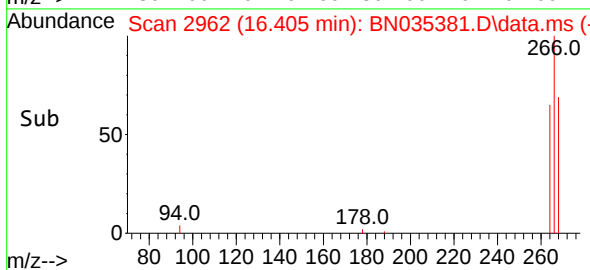
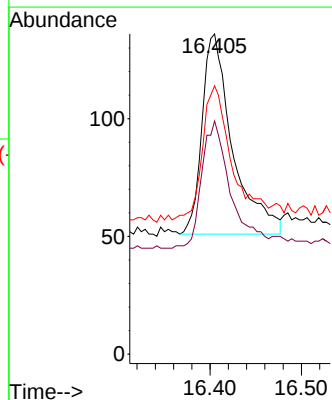
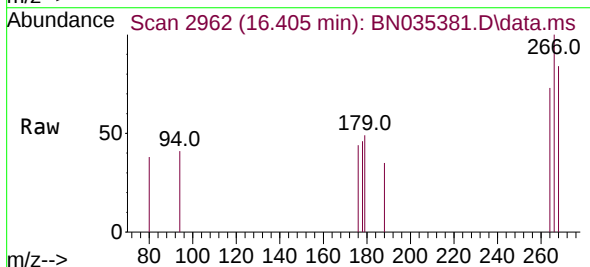
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-08

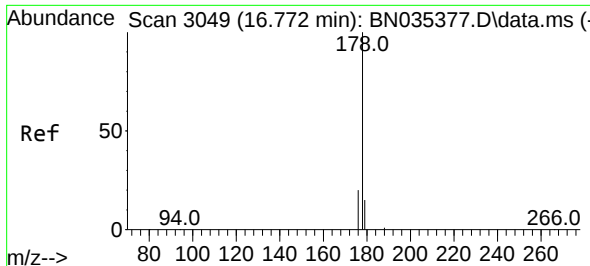
Tgt Ion:166 Resp: 1120
Ion Ratio Lower Upper
166 100
165 99.9 78.6 118.0
167 18.9 11.8 17.6#



#14
Pentachlorophenol
Concen: 0.072 ng/ul
RT: 16.405 min Scan# 2962
Delta R.T. 0.004 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

Tgt Ion:266 Resp: 198
Ion Ratio Lower Upper
266 100
264 62.6 51.8 77.6
268 66.7 51.3 76.9

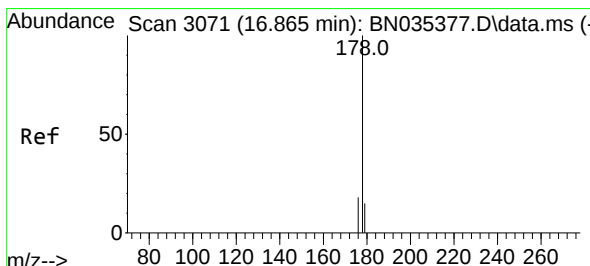
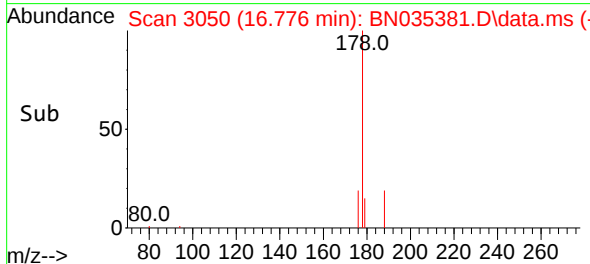
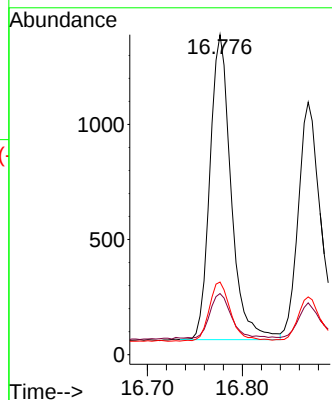
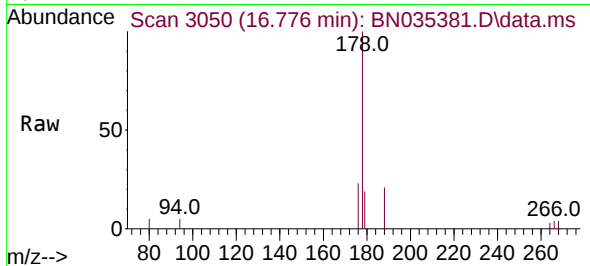




#15
Phenanthrene
Concen: 0.066 ng/u1
RT: 16.776 min Scan# 3049
Delta R.T. -0.004 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

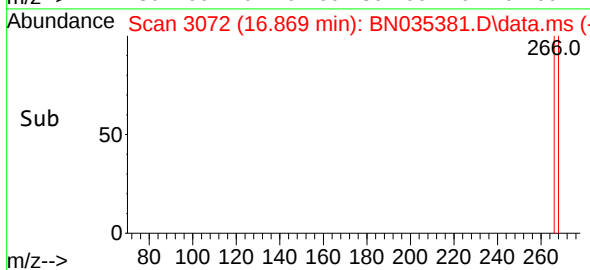
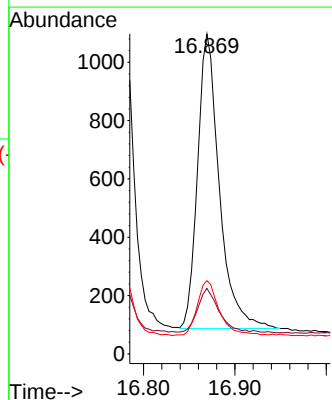
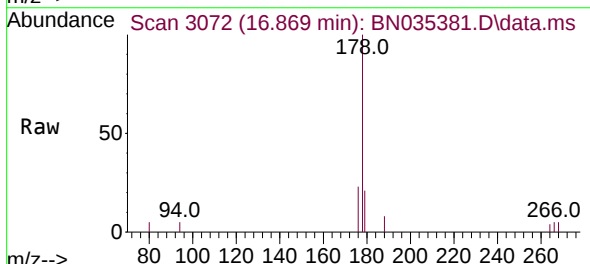
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-08

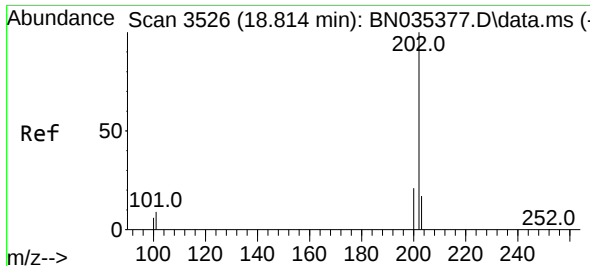
Tgt Ion:	178	Resp:	2057
Ion Ratio	Lower	Upper	
178	100		
179	19.1	12.9	19.3
176	22.7	15.6	23.4



#16
Anthracene
Concen: 0.058 ng/u1
RT: 16.869 min Scan# 3072
Delta R.T. -0.004 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

Tgt Ion:	178	Resp:	1678
Ion Ratio	Lower	Upper	
178	100		
179	20.5	12.9	19.3#
176	22.9	15.4	23.2

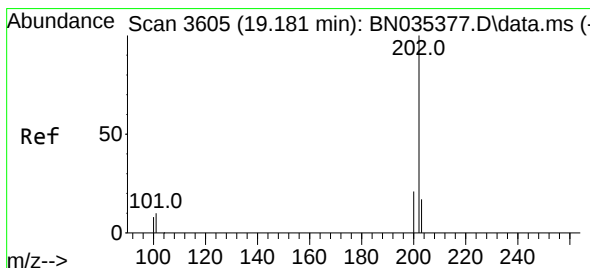
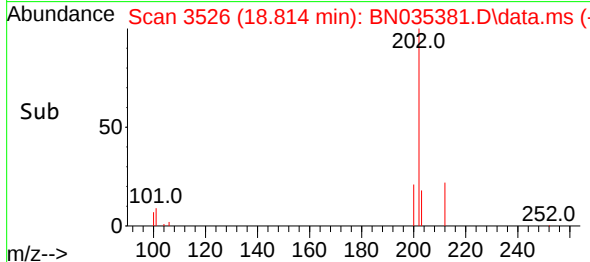
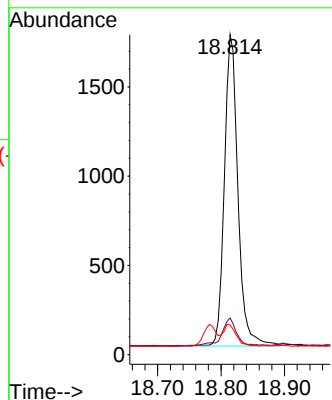
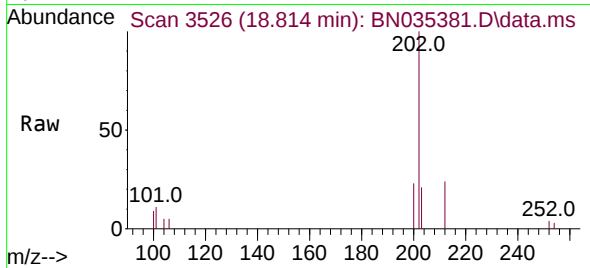




#19
Fluoranthene
Concen: 0.069 ng/u1
RT: 18.814 min Scan# 3526
Delta R.T. -0.005 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

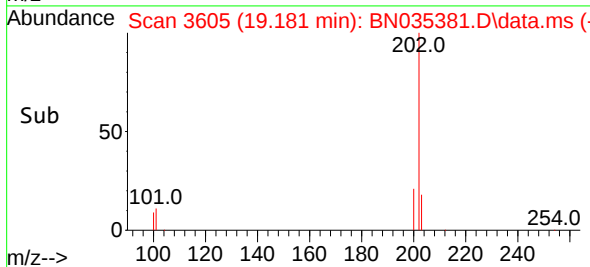
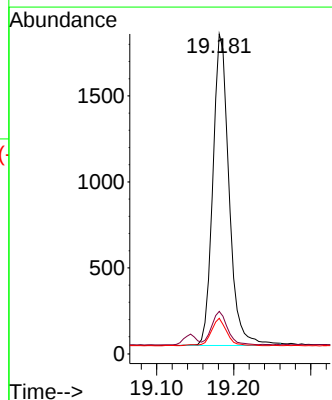
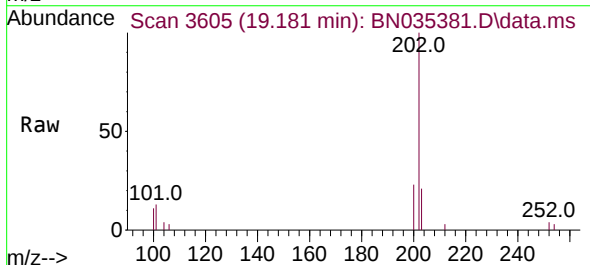
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-08

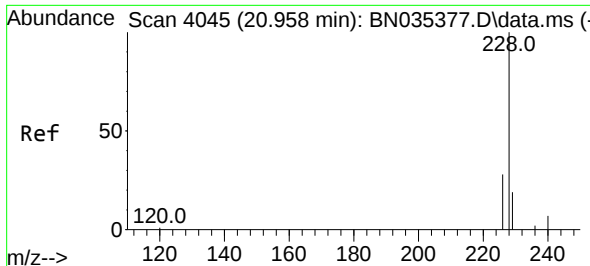
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	5.8	8.6#
100	9.3	4.5	6.7#



#20
Pyrene
Concen: 0.068 ng/u1
RT: 19.181 min Scan# 3605
Delta R.T. -0.005 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

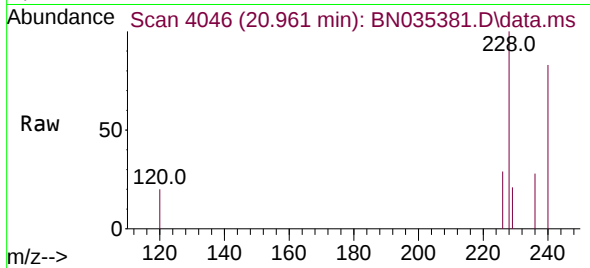
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	6.2	9.4#
100	11.1	5.1	7.7#



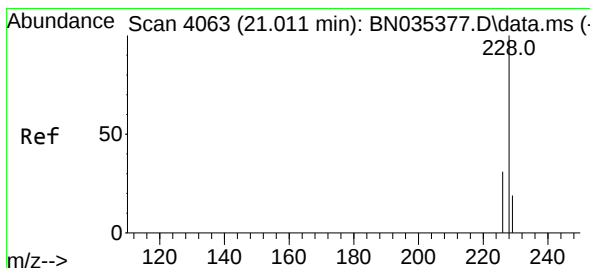
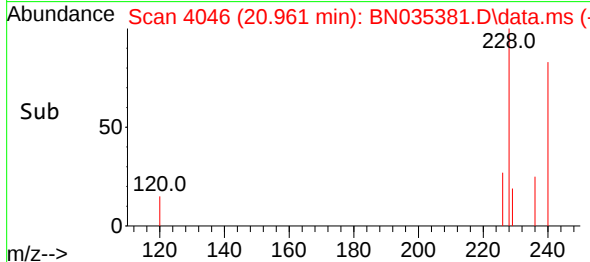
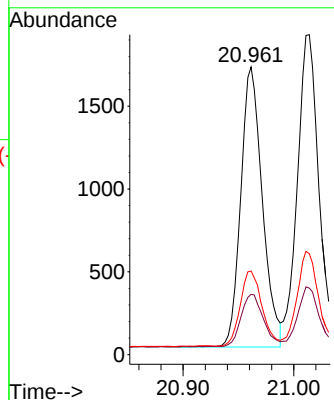


#21
Benzo(a)anthracene
Concen: 0.061 ng/ul
RT: 20.961 min Scan# 4045
Delta R.T. -0.003 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-08

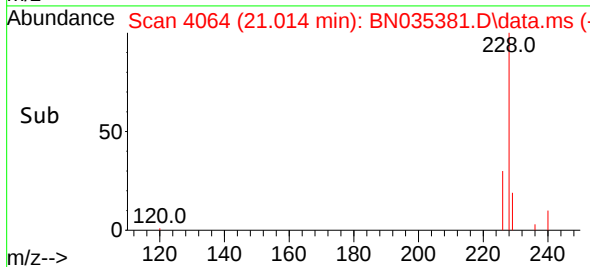
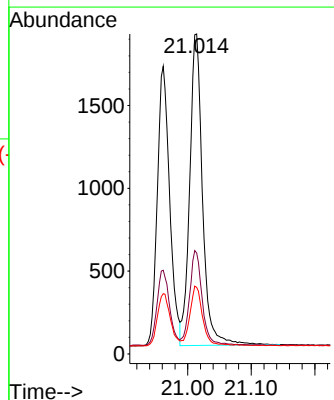
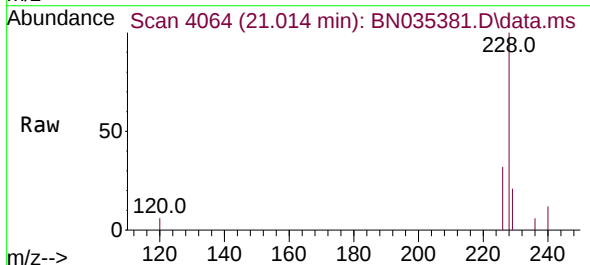


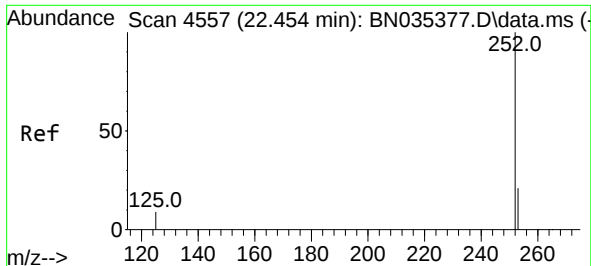
Tgt Ion:228 Resp: 2290
Ion Ratio Lower Upper
228 100
229 21.0 15.8 23.8
226 29.1 21.8 32.8



#22
Chrysene
Concen: 0.070 ng/ul
RT: 21.014 min Scan# 4064
Delta R.T. -0.003 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

Tgt Ion:228 Resp: 2648
Ion Ratio Lower Upper
228 100
226 31.6 24.7 37.1
229 20.8 16.0 24.0

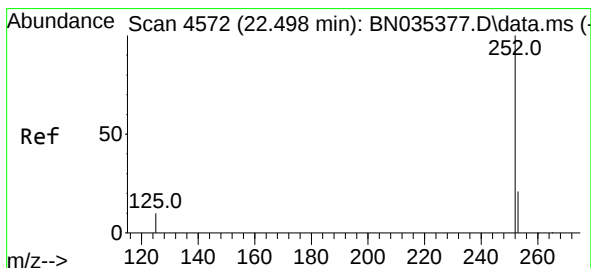
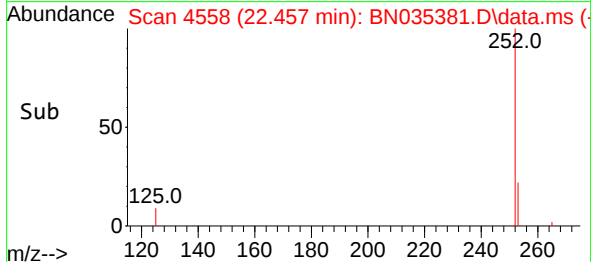
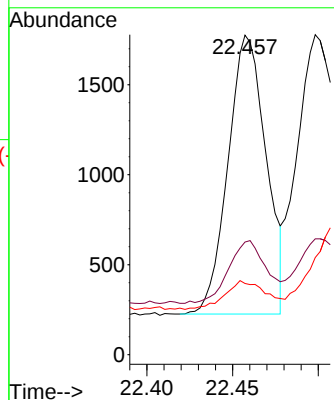
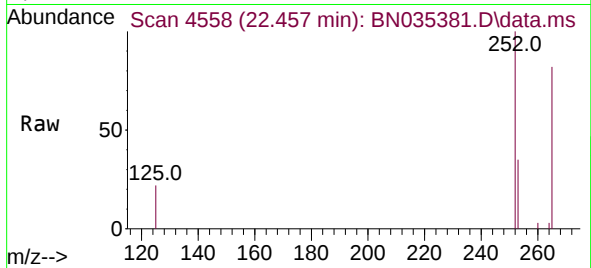




#24
Benzo(b)fluoranthene
Concen: 0.059 ng/ul
RT: 22.457 min Scan# 4557
Delta R.T. -0.006 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

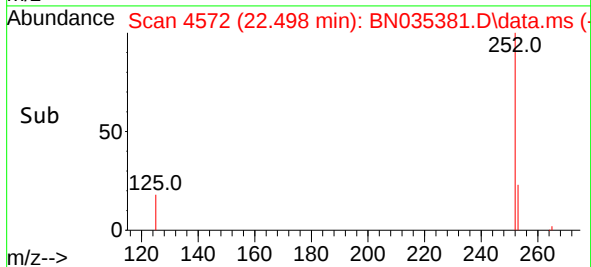
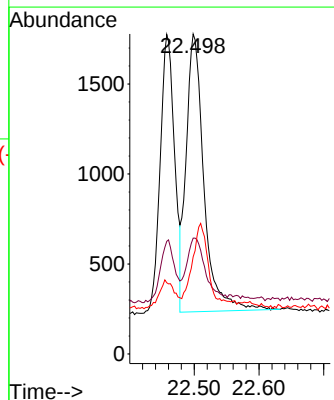
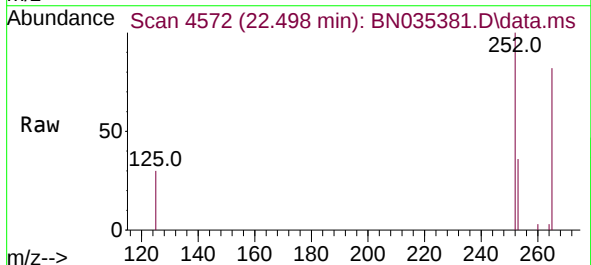
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-08

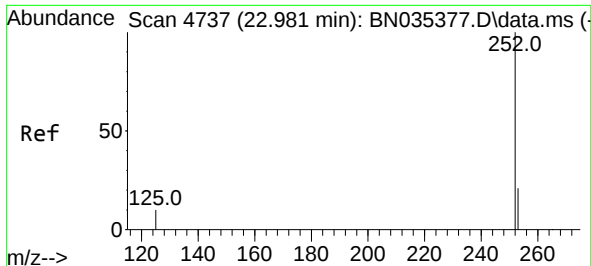
Tgt Ion:252 Resp: 2394
Ion Ratio Lower Upper
252 100
253 35.3 0.0 54.0
125 22.3 0.0 19.4#



#25
Benzo(k)fluoranthene
Concen: 0.071 ng/ul
RT: 22.498 min Scan# 4572
Delta R.T. -0.006 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

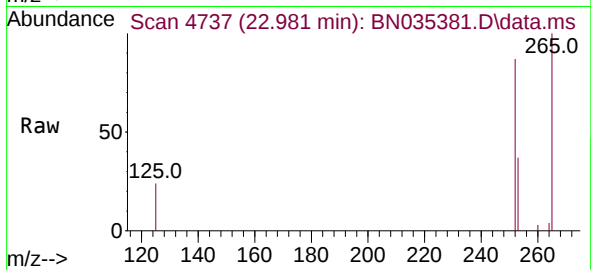
Tgt Ion:252 Resp: 2954
Ion Ratio Lower Upper
252 100
253 36.2 21.8 32.6#
125 30.4 8.6 12.8#



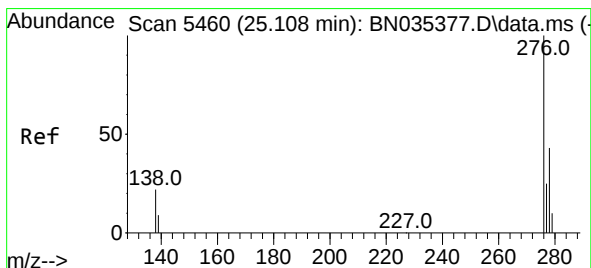
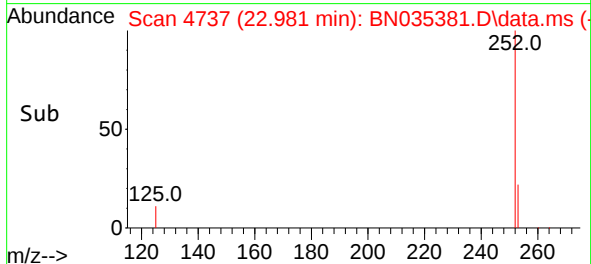
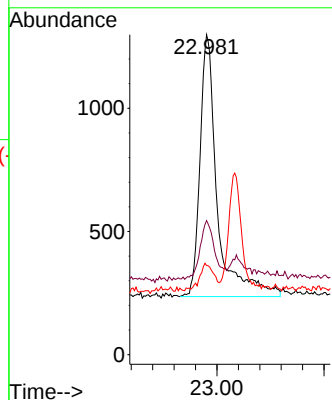


#26
Benzo(a)pyrene
Concen: 0.064 ng/ul
RT: 22.981 min Scan# 4737
Delta R.T. -0.006 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-08

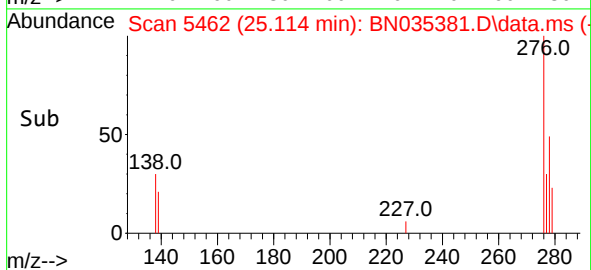
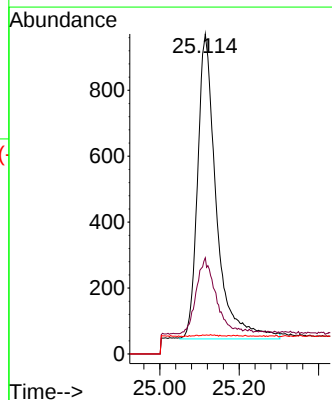
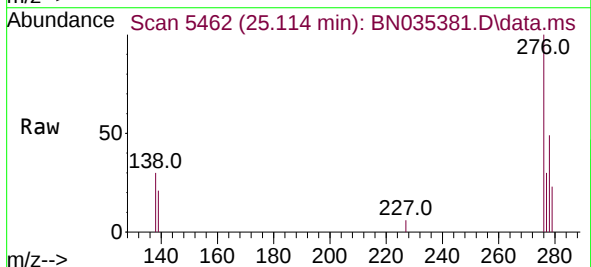


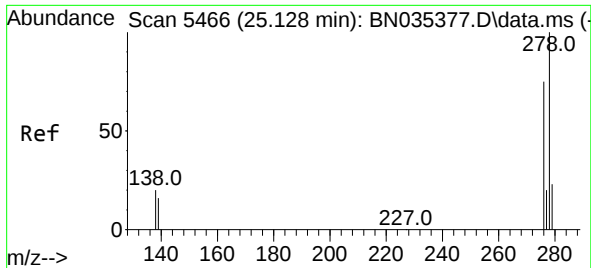
Tgt Ion:252 Resp: 2376
Ion Ratio Lower Upper
252 100
253 41.9 22.9 34.3#
125 27.9 9.4 14.2#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.060 ng/ul m
RT: 25.114 min Scan# 5462
Delta R.T. -0.007 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

Tgt Ion:276 Resp: 3023
Ion Ratio Lower Upper
276 100
138 25.3 13.8 20.8#
227 32.6 0.2 0.4#

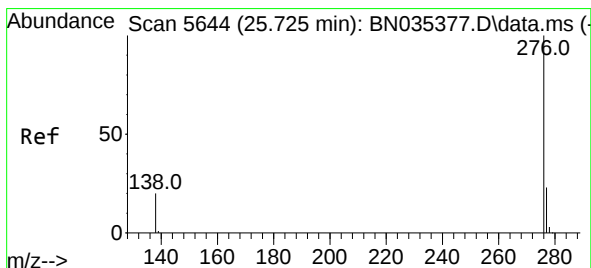
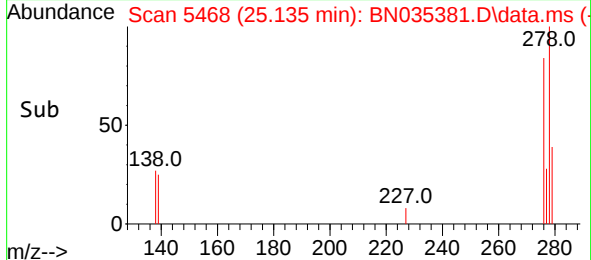
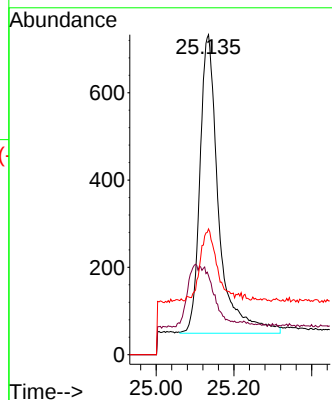
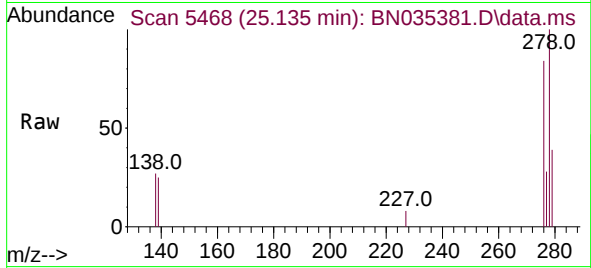




#28
Dibenzo(a,h)anthracene
Concen: 0.058 ng/ul m
RT: 25.135 min Scan# 5466
Delta R.T. -0.003 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-08

Tgt Ion:278 Resp: 2284
Ion Ratio Lower Upper
278 100
139 24.7 10.7 16.1#
279 39.3 22.8 34.2#



#29
Benzo(g,h,i)perylene
Concen: 0.057 ng/ul
RT: 25.732 min Scan# 5646
Delta R.T. -0.003 min
Lab File: BN035381.D
Acq: 28 Nov 2024 13:57

Tgt Ion:276 Resp: 2244
Ion Ratio Lower Upper
276 100
138 27.4 13.0 19.6#
277 29.8 20.5 30.7

