

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM123022\
 Data File : BM038351.D
 Acq On : 30 Dec 2022 14:18
 Operator : CG/JU
 Sample : N5388-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT4-2022-07

Quant Time: Dec 30 22:51:58 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM123022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 01:43:54 2022
 Response via : Initial Calibration

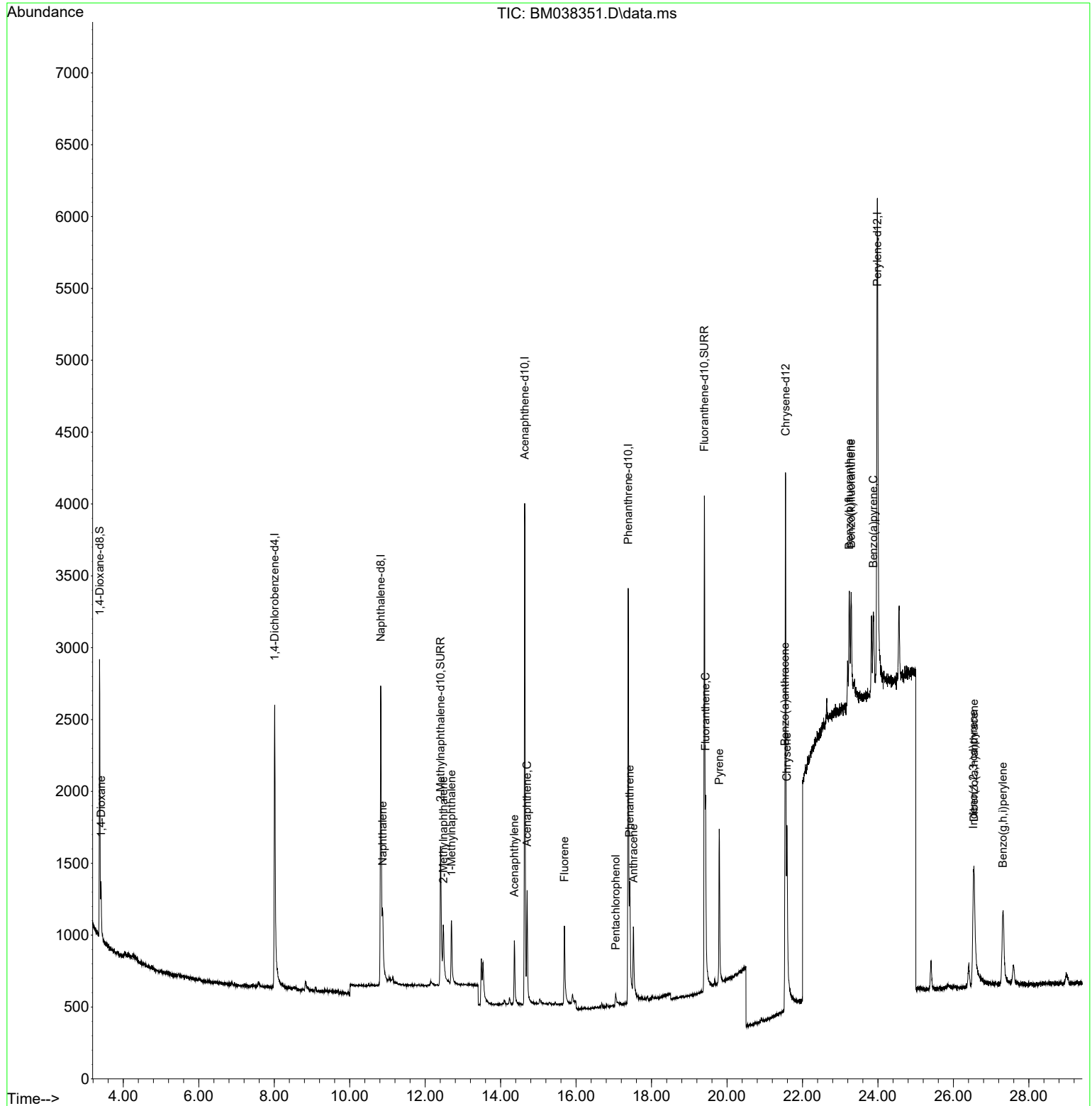
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.013	152	1377	0.400	ng/ul	0.00
4) Naphthalene-d8	10.823	136	3840	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.638	164	2105	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.383	188	4387	0.400	ng/ul	0.00
17) Chrysene-d12	21.553	240	4456	0.400	ng/ul	0.00
23) Perylene-d12	23.985	264	5536	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.372	96	1143	0.557	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.407	152	1969	0.342	ng/ul	0.00
18) Fluoranthene-d10	19.399	212	4959	0.393	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.410	88	219	0.104	ng/ul#	81
5) Naphthalene	10.873	128	661	0.064	ng/ul#	68
7) 2-Methylnaphthalene	12.484	142	385	0.061	ng/ul	99
8) 1-Methylnaphthalene	12.698	142	382	0.060	ng/ul	96
10) Acenaphthylene	14.365	152	650	0.066	ng/ul#	80
11) Acenaphthene	14.703	153	479	0.066	ng/ul	94
12) Fluorene	15.688	166	526	0.064	ng/ul#	96
14) Pentachlorophenol	17.050	266	127	0.081	ng/ul	90
15) Phenanthrene	17.421	178	850	0.066	ng/ul#	81
16) Anthracene	17.519	178	796	0.067	ng/ul#	73
19) Fluoranthene	19.431	202	1094	0.071	ng/ul#	77
20) Pyrene	19.794	202	1163	0.071	ng/ul#	82
21) Benzo(a)anthracene	21.536	228	977	0.066	ng/ul#	87
22) Chrysene	21.588	228	1060	0.068	ng/ul#	92
24) Benzo(b)fluoranthene	23.240	252	1204	0.060	ng/ul#	39
25) Benzo(k)fluoranthene	23.290	252	1146	0.057	ng/ul#	39
26) Benzo(a)pyrene	23.877	252	1123	0.059	ng/ul#	29
27) Indeno(1,2,3-cd)pyrene	26.532	276	1629	0.059	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.545	278	1263	0.058	ng/ul#	32
29) Benzo(g,h,i)perylene	27.310	276	1525	0.062	ng/ul#	74

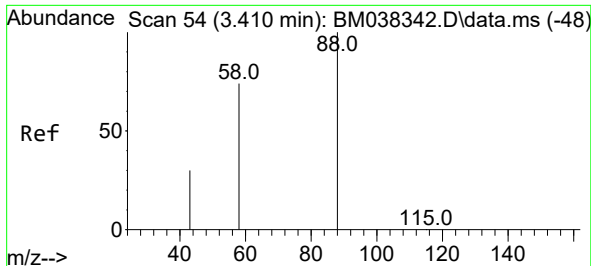
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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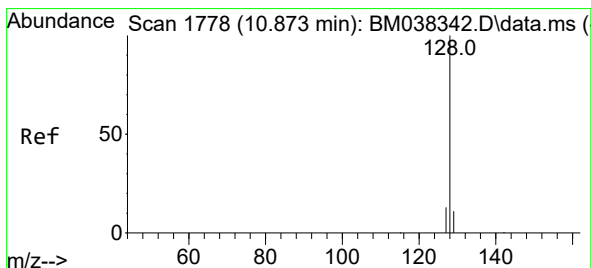
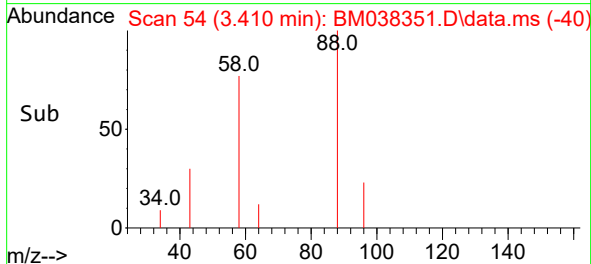
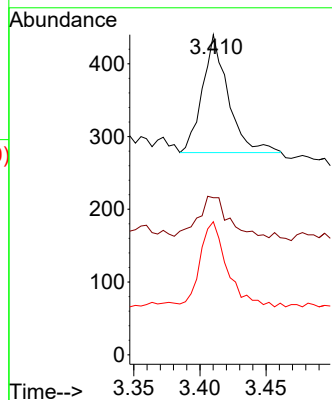
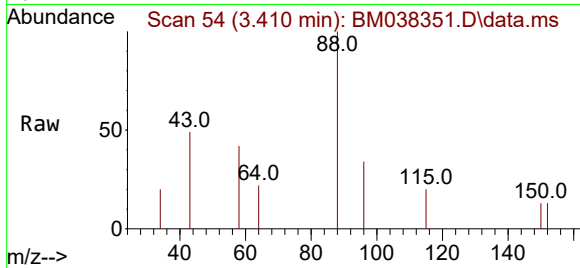




#2
1,4-Dioxane
Concen: 0.104 ng/ul
RT: 3.410 min Scan# 54
Delta R.T. 0.000 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

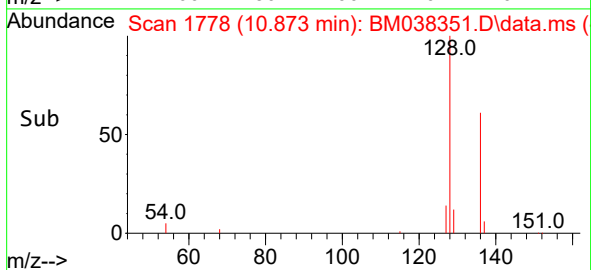
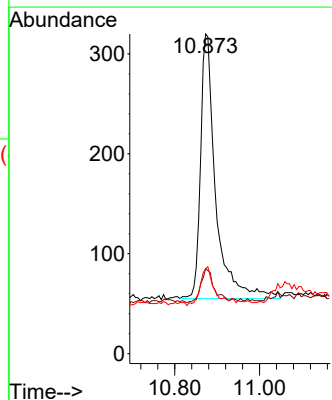
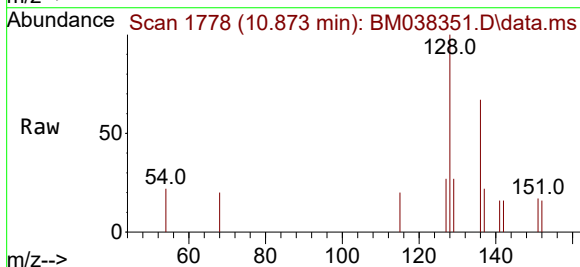
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2022-07

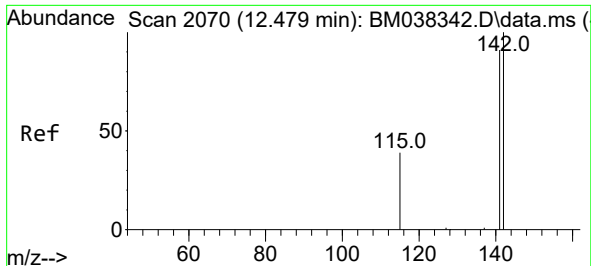
Tgt Ion: 88 Resp: 219
Ion Ratio Lower Upper
88 100
43 49.1 32.6 49.0#
58 41.6 46.6 69.8#



#5
Naphthalene
Concen: 0.064 ng/ul
RT: 10.873 min Scan# 1778
Delta R.T. -0.000 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

Tgt Ion: 128 Resp: 661
Ion Ratio Lower Upper
128 100
129 26.6 10.2 15.2#
127 26.6 11.4 17.2#

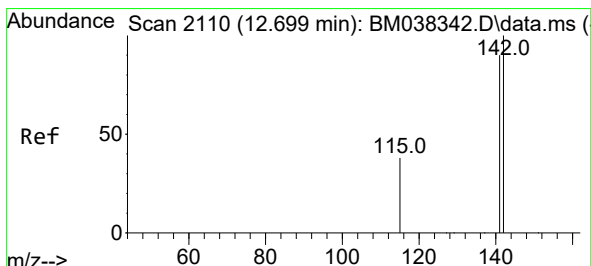
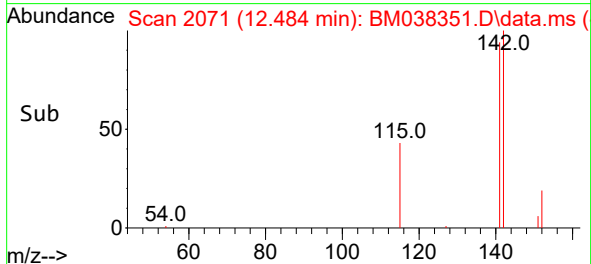
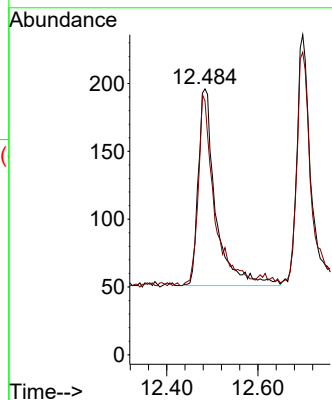
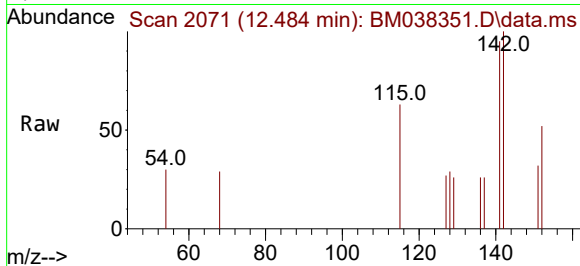




#7
2-Methylnaphthalene
Concen: 0.061 ng/ul
RT: 12.484 min Scan# 2070
Delta R.T. 0.005 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

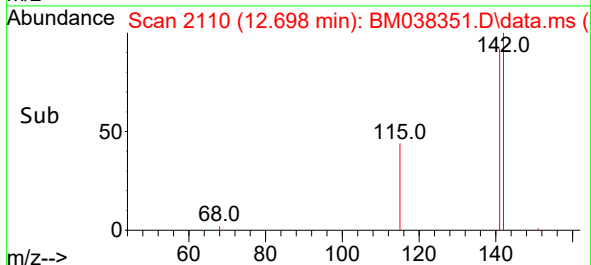
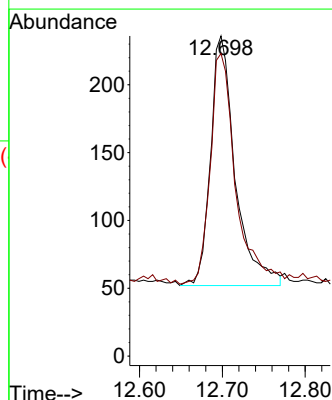
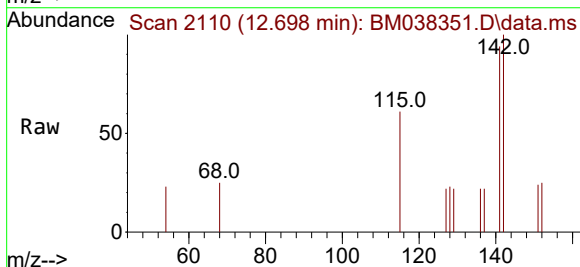
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2022-07

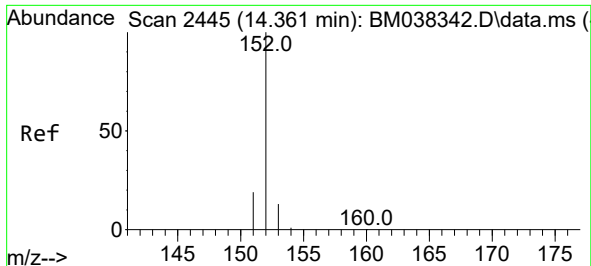
Tgt Ion:142 Resp: 385
Ion Ratio Lower Upper
142 100
141 90.4 71.2 106.8



#8
1-Methylnaphthalene
Concen: 0.060 ng/ul
RT: 12.698 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

Tgt Ion:142 Resp: 382
Ion Ratio Lower Upper
142 100
141 95.0 73.2 109.8

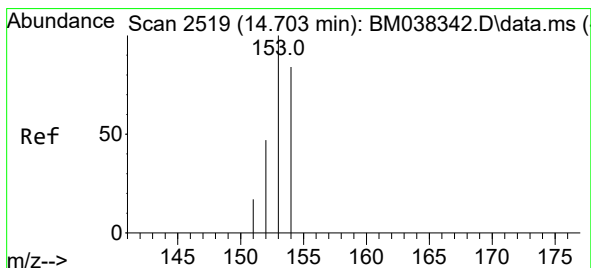
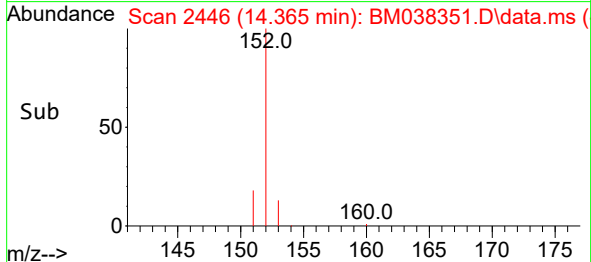
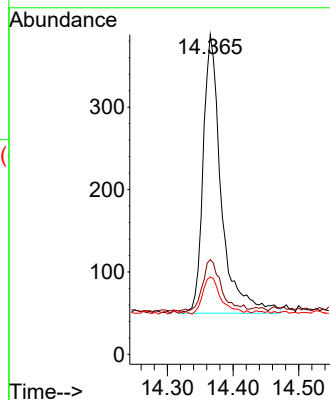
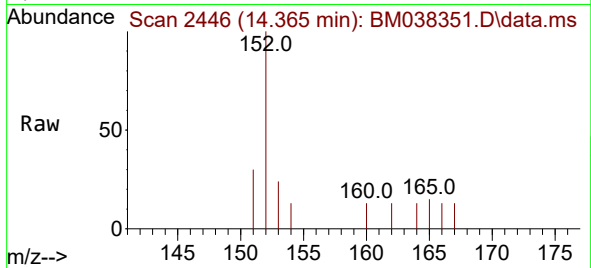




#10
Acenaphthylene
Concen: 0.066 ng/ul
RT: 14.365 min Scan# 2445
Delta R.T. 0.004 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

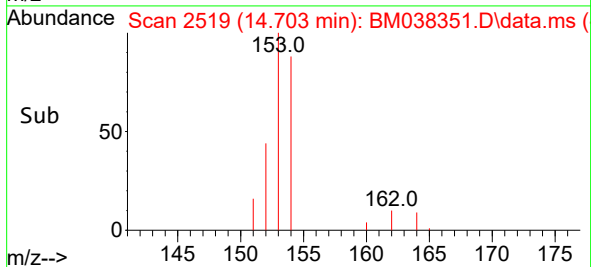
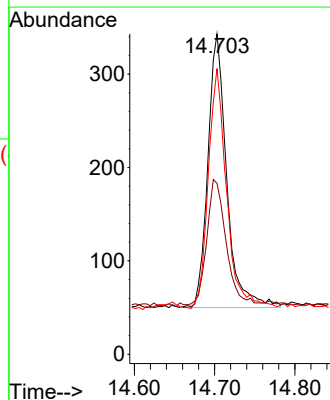
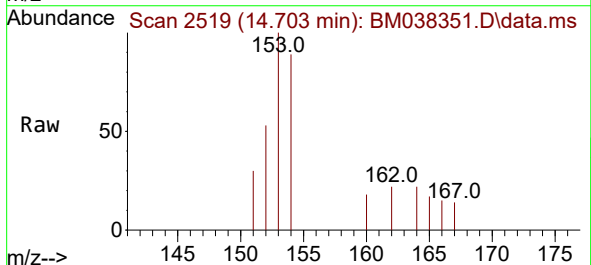
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2022-07

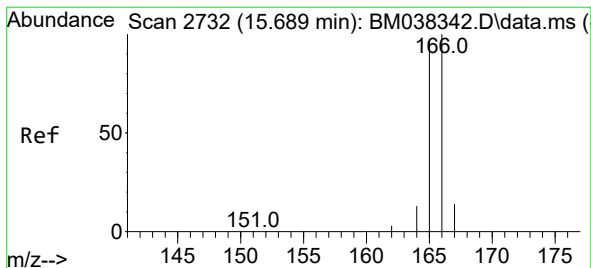
Tgt Ion:152 Resp: 650
Ion Ratio Lower Upper
152 100
151 29.6 17.0 25.4#
153 24.2 12.0 18.0#



#11
Acenaphthene
Concen: 0.066 ng/ul
RT: 14.703 min Scan# 2519
Delta R.T. -0.000 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

Tgt Ion:153 Resp: 479
Ion Ratio Lower Upper
153 100
152 53.4 38.8 58.2
154 89.2 67.3 100.9





#12

Fluorene

Concen: 0.064 ng/ul

RT: 15.688 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM038351.D

Acq: 30 Dec 2022 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT4-2022-07

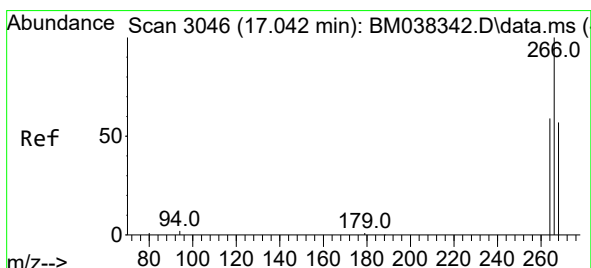
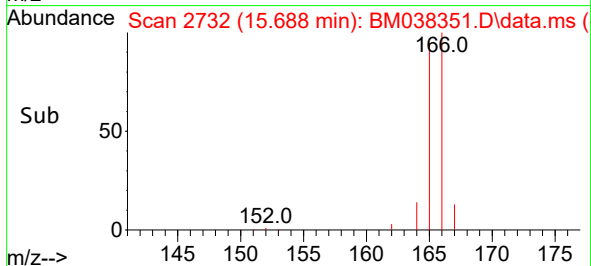
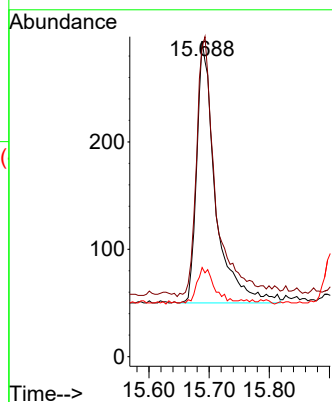
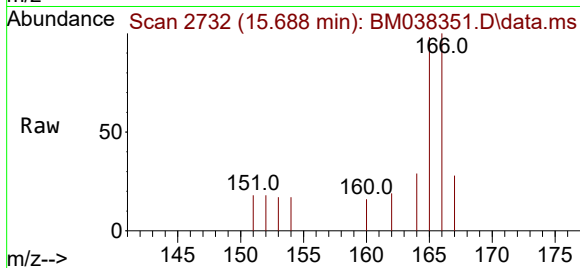
Tgt Ion:166 Resp: 526

Ion Ratio Lower Upper

166 100

165 98.0 78.2 117.2

167 28.2 12.5 18.7#



#14

Pentachlorophenol

Concen: 0.081 ng/ul

RT: 17.050 min Scan# 3048

Delta R.T. 0.008 min

Lab File: BM038351.D

Acq: 30 Dec 2022 14:18

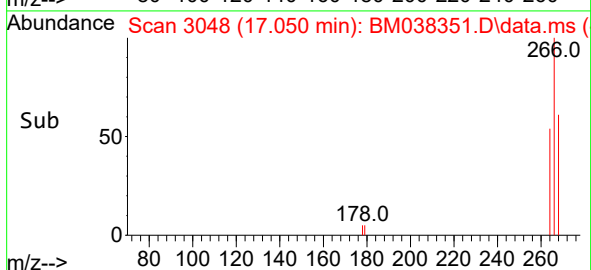
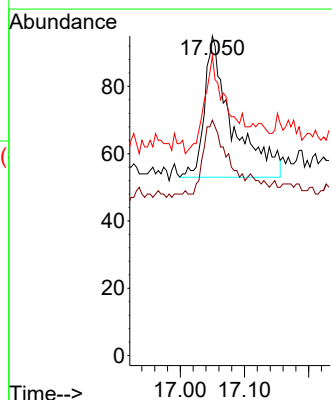
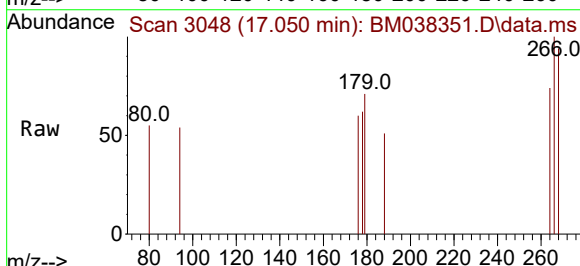
Tgt Ion:266 Resp: 127

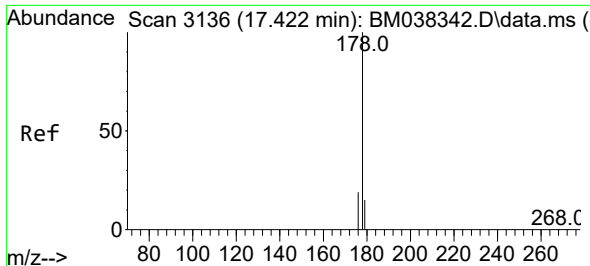
Ion Ratio Lower Upper

266 100

264 51.2 50.0 75.0

268 64.6 48.2 72.2

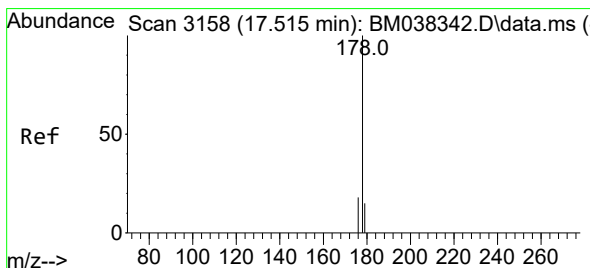
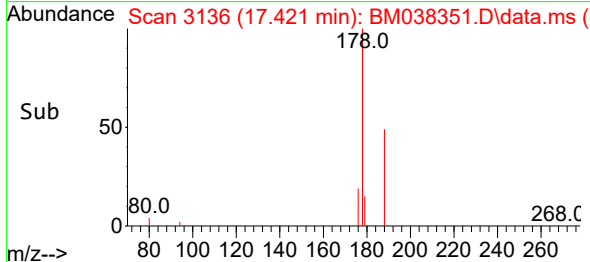
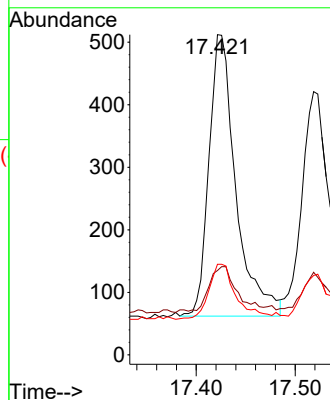
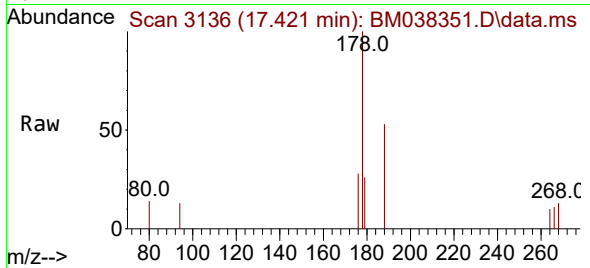




#15
Phenanthrene
Concen: 0.066 ng/ul
RT: 17.421 min Scan# 3136
Delta R.T. -0.000 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

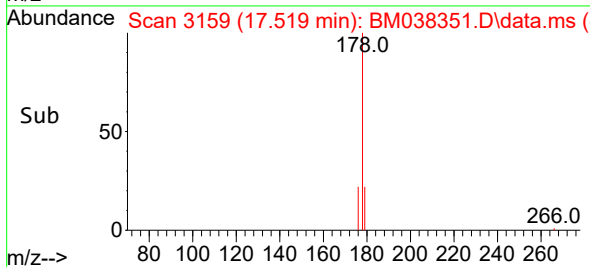
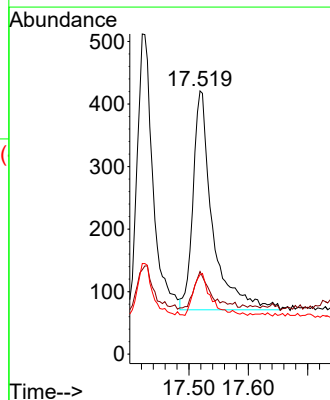
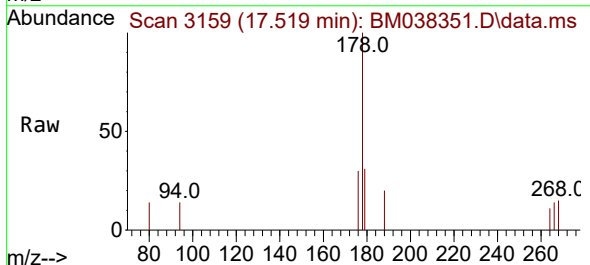
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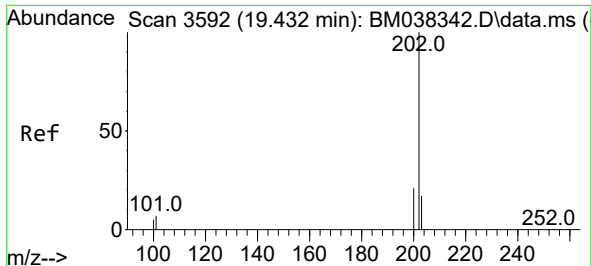
Tgt Ion:178 Resp: 850
Ion Ratio Lower Upper
178 100
179 26.4 13.5 20.3#
176 28.3 16.6 25.0#



#16
Anthracene
Concen: 0.067 ng/ul
RT: 17.519 min Scan# 3159
Delta R.T. 0.004 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

Tgt Ion:178 Resp: 796
Ion Ratio Lower Upper
178 100
179 31.4 14.2 21.2#
176 30.2 15.8 23.8#

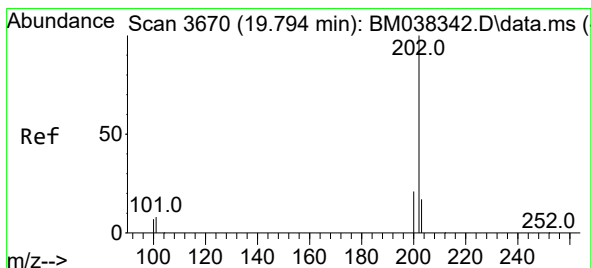
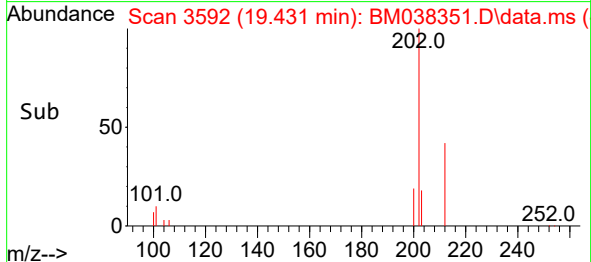
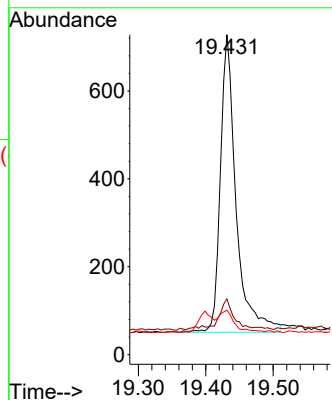
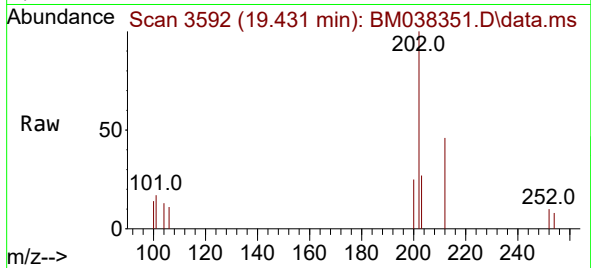




#19
Fluoranthene
Concen: 0.071 ng/ul
RT: 19.431 min Scan# 3592
Delta R.T. -0.000 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

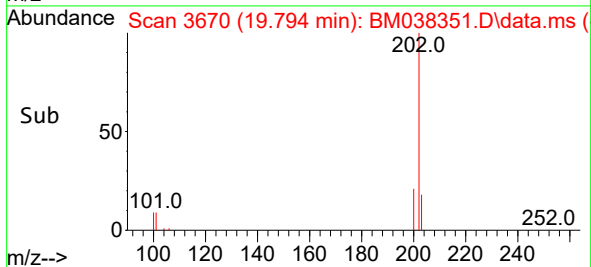
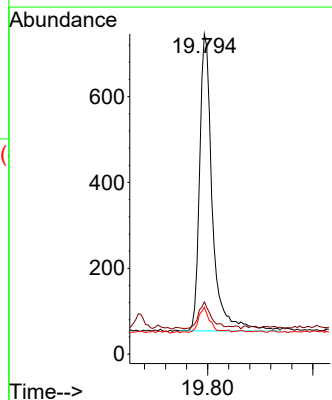
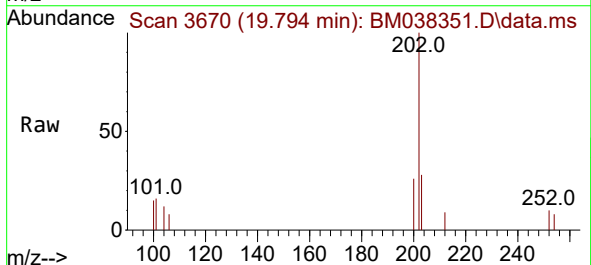
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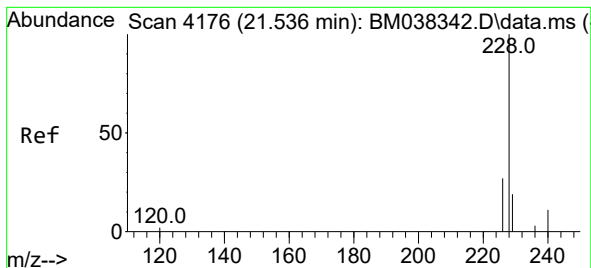
Tgt Ion:202 Resp: 1094
Ion Ratio Lower Upper
202 100
101 17.4 6.6 10.0#
100 13.9 5.4 8.2#



#20
Pyrene
Concen: 0.071 ng/ul
RT: 19.794 min Scan# 3670
Delta R.T. -0.000 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

Tgt Ion:202 Resp: 1163
Ion Ratio Lower Upper
202 100
101 16.4 7.8 11.6#
100 14.6 6.5 9.7#





#21

Benzo(a)anthracene

Concen: 0.066 ng/ul

RT: 21.536 min Scan# 4176

Delta R.T. -0.000 min

Lab File: BM038351.D

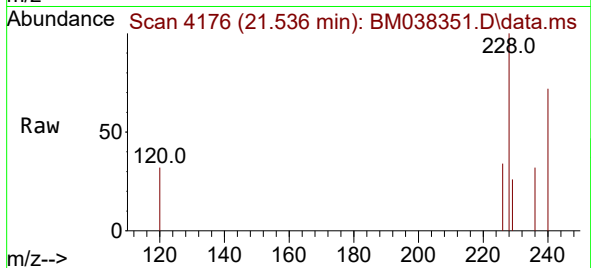
Acq: 30 Dec 2022 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT4-2022-07



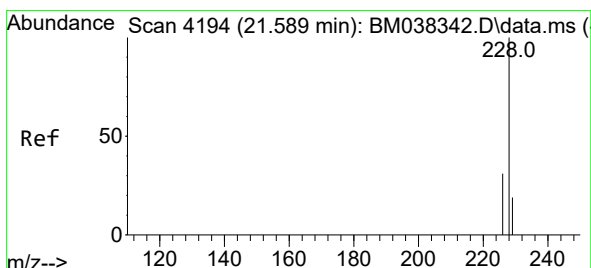
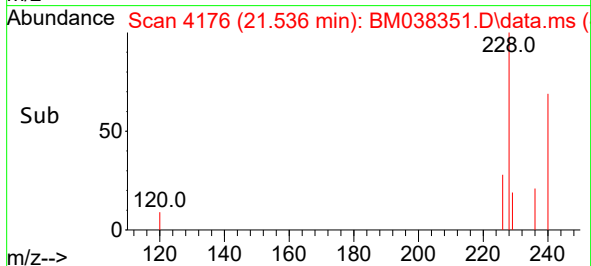
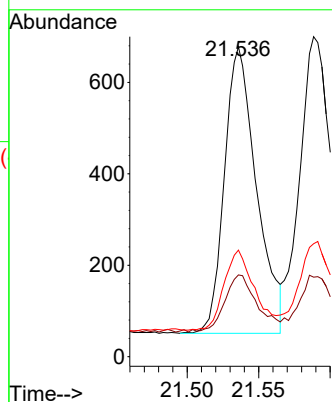
Tgt Ion:228 Resp: 977

Ion Ratio Lower Upper

228 100

229 26.4 16.4 24.6#

226 34.4 22.2 33.2#



#22

Chrysene

Concen: 0.068 ng/ul

RT: 21.588 min Scan# 4194

Delta R.T. -0.000 min

Lab File: BM038351.D

Acq: 30 Dec 2022 14:18

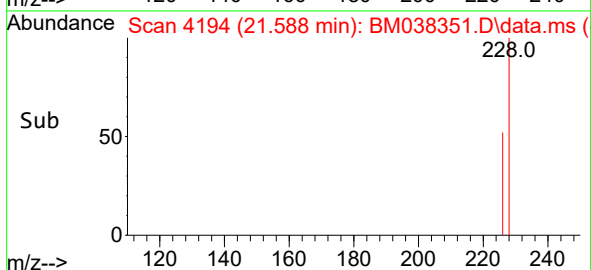
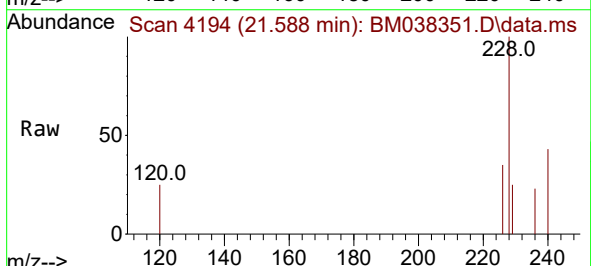
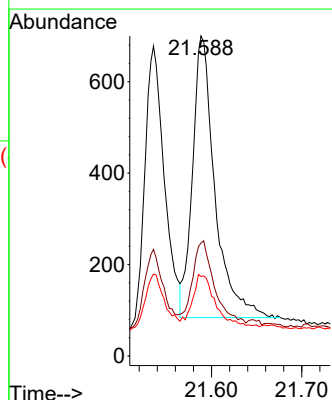
Tgt Ion:228 Resp: 1060

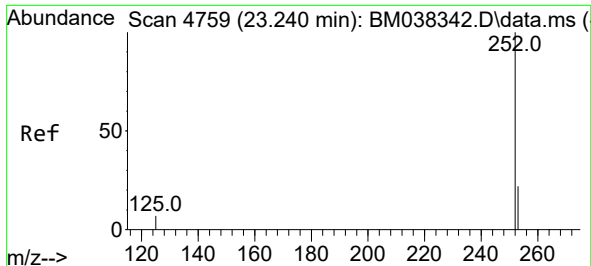
Ion Ratio Lower Upper

228 100

226 35.3 25.3 37.9

229 24.9 16.4 24.6#

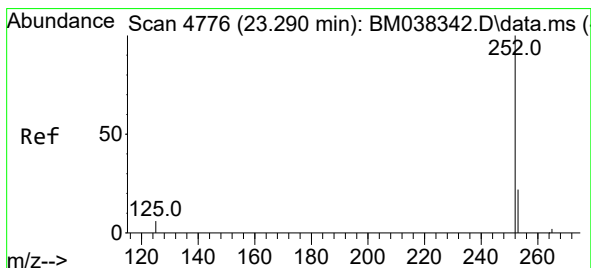
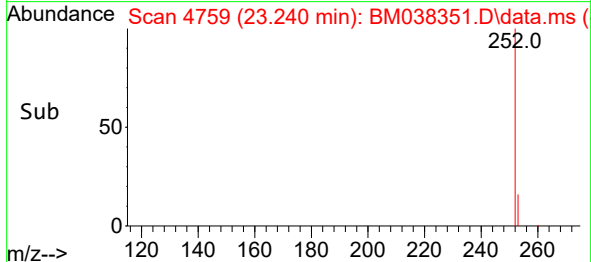
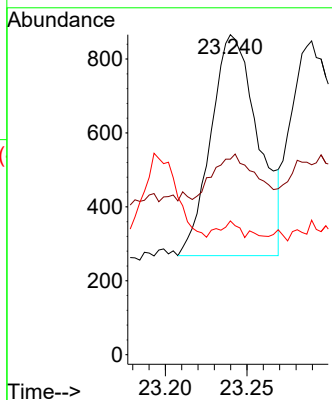
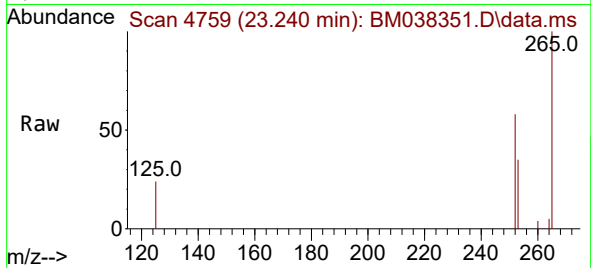




#24
Benzo(b)fluoranthene
Concen: 0.060 ng/ul
RT: 23.240 min Scan# 4759
Delta R.T. -0.000 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

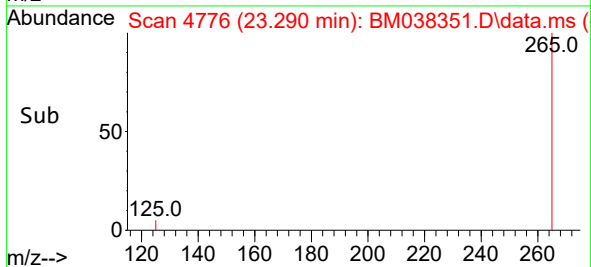
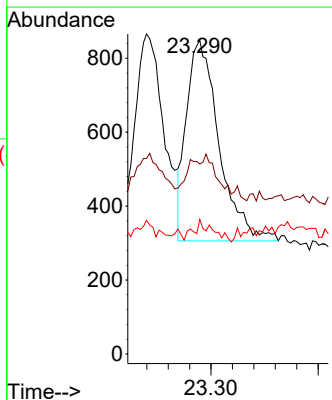
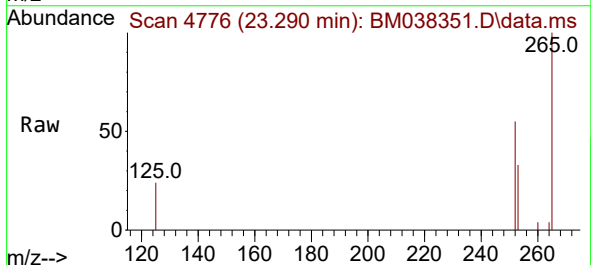
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2022-07

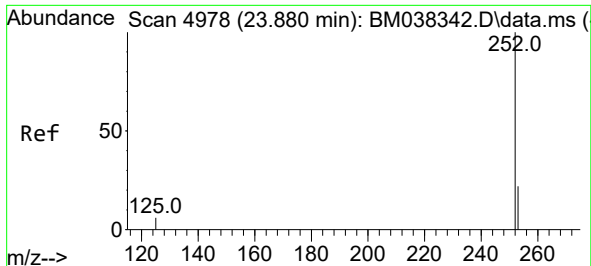
Tgt Ion:252 Resp: 1204
Ion Ratio Lower Upper
252 100
253 61.1 0.0 60.4#
125 41.8 0.0 27.6#



#25
Benzo(k)fluoranthene
Concen: 0.057 ng/ul
RT: 23.290 min Scan# 4776
Delta R.T. -0.000 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

Tgt Ion:252 Resp: 1146
Ion Ratio Lower Upper
252 100
253 60.5 24.4 36.6#
125 42.9 10.7 16.1#

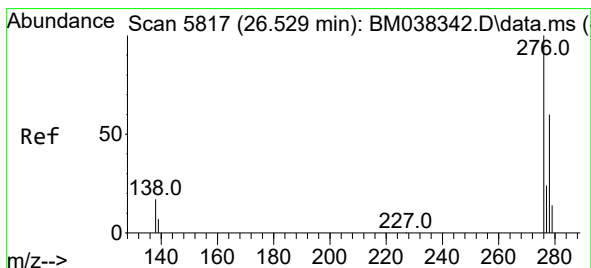
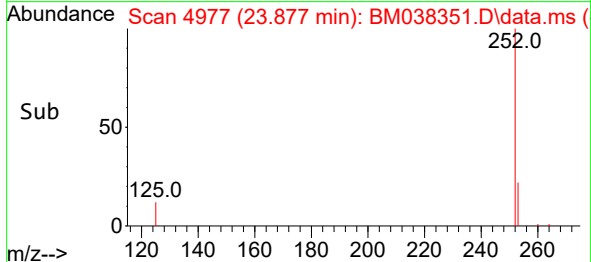
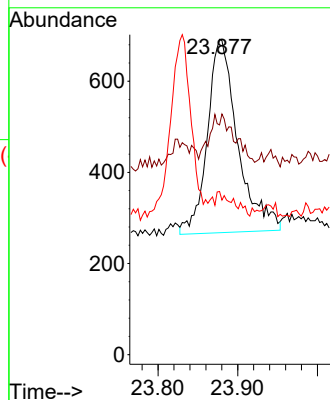
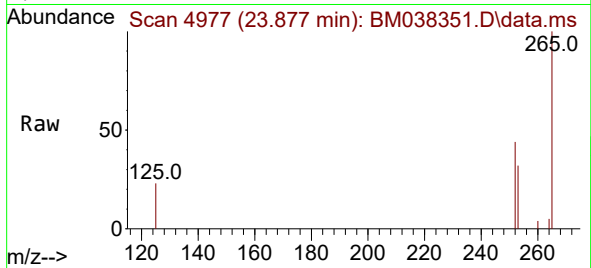




#26
Benzo(a)pyrene
Concen: 0.059 ng/ul
RT: 23.877 min Scan# 4977
Delta R.T. -0.003 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

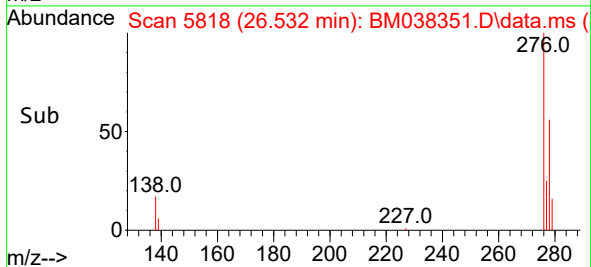
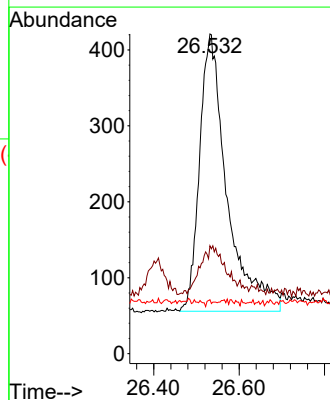
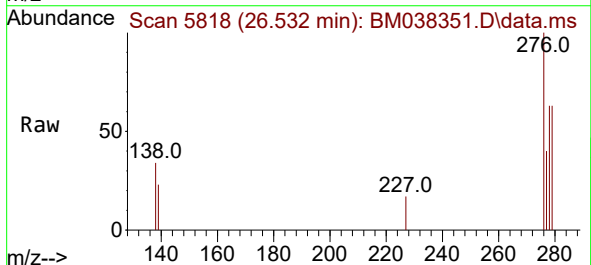
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2022-07

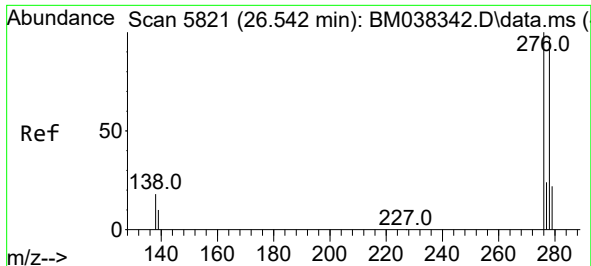
Tgt Ion:252 Resp: 1123
Ion Ratio Lower Upper
252 100
253 72.8 27.4 41.2#
125 51.7 13.8 20.8#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.059 ng/ul
RT: 26.532 min Scan# 5818
Delta R.T. 0.003 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

Tgt Ion:276 Resp: 1629
Ion Ratio Lower Upper
276 100
138 10.6 14.1 21.1#
227 0.6 0.1 0.1#

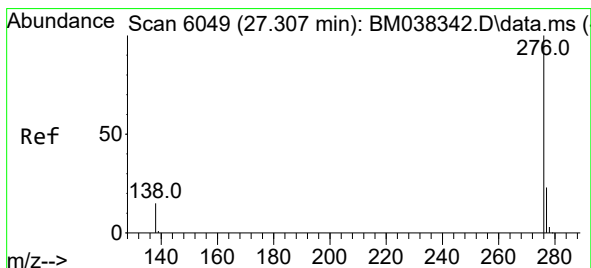
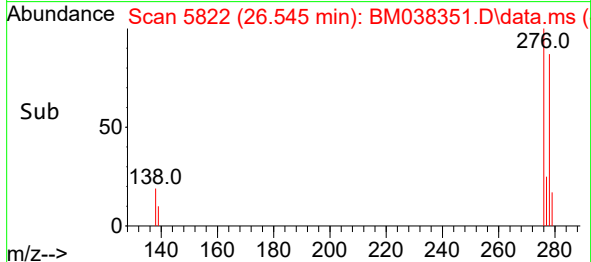
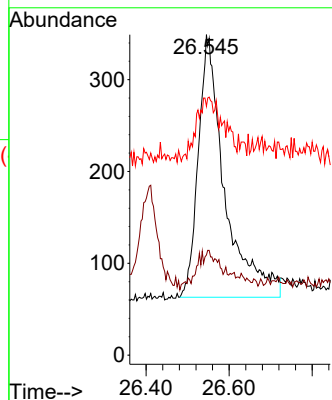
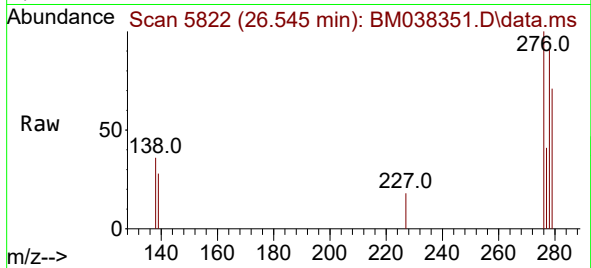




#28
Dibenzo(a,h)anthracene
Concen: 0.058 ng/ul
RT: 26.545 min Scan# 5821
Delta R.T. 0.003 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2022-07

Tgt Ion:278 Resp: 1263
Ion Ratio Lower Upper
278 100
139 31.2 11.4 17.0#
279 77.7 26.4 39.6#



#29
Benzo(g,h,i)perylene
Concen: 0.062 ng/ul
RT: 27.310 min Scan# 6050
Delta R.T. 0.003 min
Lab File: BM038351.D
Acq: 30 Dec 2022 14:18

Tgt Ion:276 Resp: 1525
Ion Ratio Lower Upper
276 100
138 31.0 14.4 21.6#
277 38.1 20.7 31.1#

