

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030323\
 Data File : BM038860.D
 Acq On : 03 Mar 2023 15:45
 Operator : CG/JU
 Sample : 01378-03
 Misc : SFAM-SIM-MDL-SOIL-01
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT1-2023-01

Quant Time: Mar 04 01:29:12 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM030323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 03 22:01:14 2023
 Response via : Initial Calibration

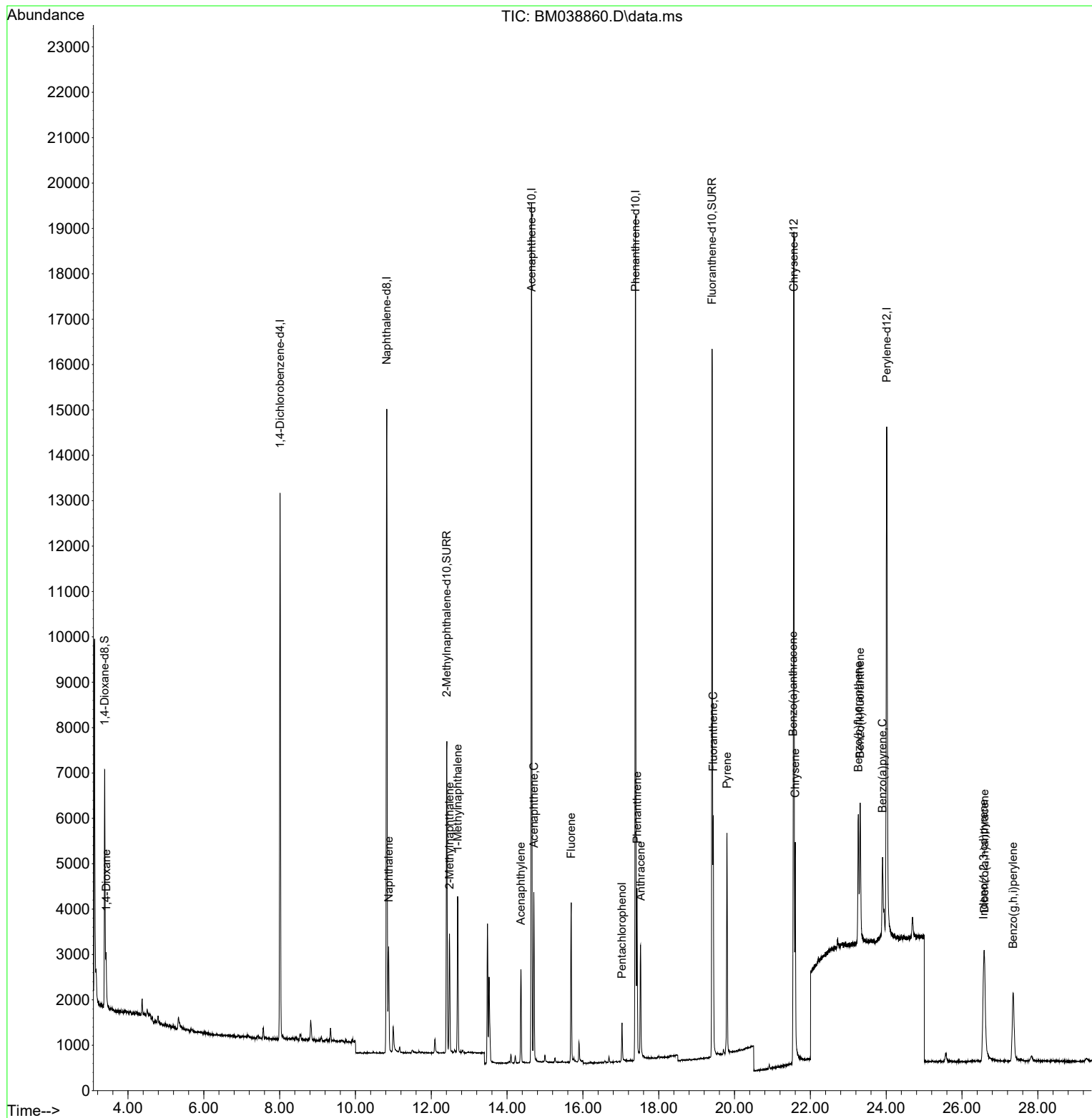
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	6063	0.400	ng/ul	0.00
4) Naphthalene-d8	10.826	136	19453	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.645	164	10311	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.385	188	21865	0.400	ng/ul	0.00
17) Chrysene-d12	21.564	240	17153	0.400	ng/ul	0.00
23) Perylene-d12	24.014	264	16905	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.386	96	3756	0.547	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.409	152	8947	0.380	ng/ul	0.00
18) Fluoranthene-d10	19.405	212	17477	0.428	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.424	88	653	0.094	ng/ul#	81
5) Naphthalene	10.875	128	3112	0.067	ng/ul	95
7) 2-Methylnaphthalene	12.481	142	1896	0.067	ng/ul	99
8) 1-Methylnaphthalene	12.695	142	2356	0.080	ng/ul	99
10) Acenaphthylene	14.362	152	2395	0.064	ng/ul#	94
11) Acenaphthene	14.705	153	2028	0.066	ng/ul	98
12) Fluorene	15.690	166	2267	0.065	ng/ul	97
14) Pentachlorophenol	17.030	266	620	0.118	ng/ul	97
15) Phenanthrene	17.427	178	3832	0.066	ng/ul	95
16) Anthracene	17.520	178	2969	0.062	ng/ul#	93
19) Fluoranthene	19.438	202	4189	0.072	ng/ul	96
20) Pyrene	19.800	202	4267	0.072	ng/ul	99
21) Benzo(a)anthracene	21.547	228	3326	0.069	ng/ul	97
22) Chrysene	21.599	228	4124	0.071	ng/ul	97
24) Benzo(b)fluoranthene	23.265	252	3976	0.060	ng/ul	76
25) Benzo(k)fluoranthene	23.312	252	4284	0.065	ng/ul#	76
26) Benzo(a)pyrene	23.903	252	3553	0.067	ng/ul#	62
27) Indeno(1,2,3-cd)pyrene	26.568	276	4105	0.062	ng/ul#	47
28) Dibenzo(a,h)anthracene	26.591	278	3170	0.062	ng/ul#	67
29) Benzo(g,h,i)perylene	27.346	276	3834	0.062	ng/ul#	89

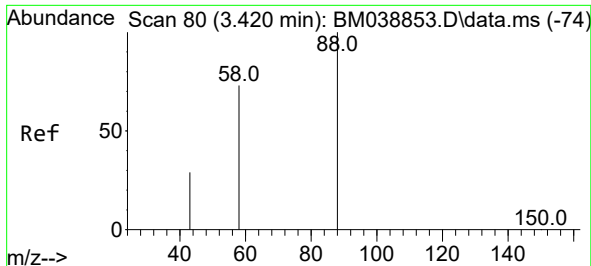
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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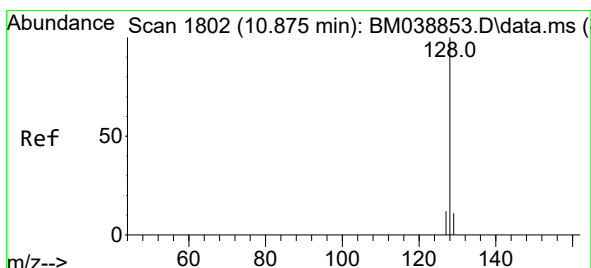
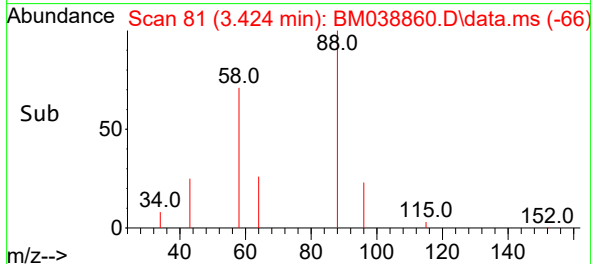
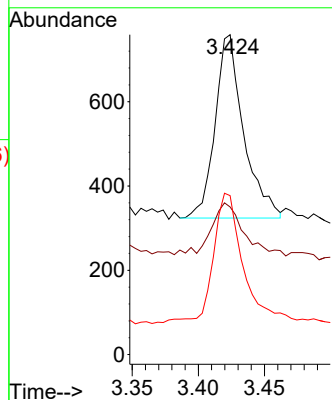
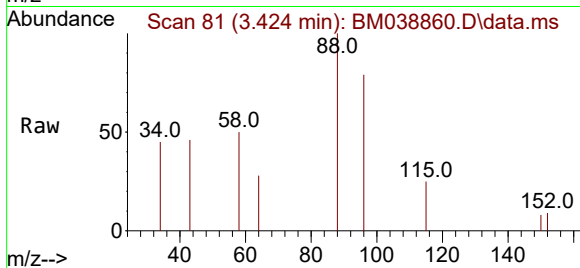




#2
1,4-Dioxane
Concen: 0.094 ng/ul
RT: 3.424 min Scan# 81
Delta R.T. 0.004 min
Lab File: BM038860.D
Acq: 03 Mar 2023 15:45

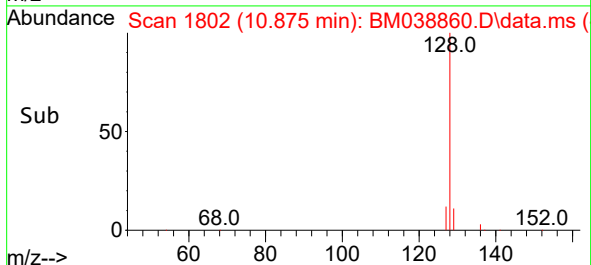
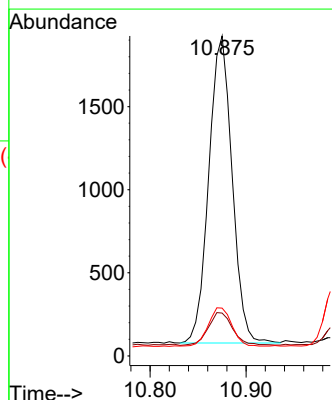
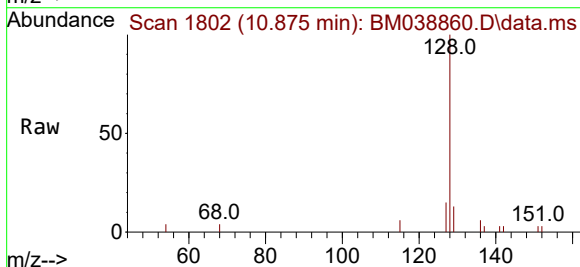
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2023-01

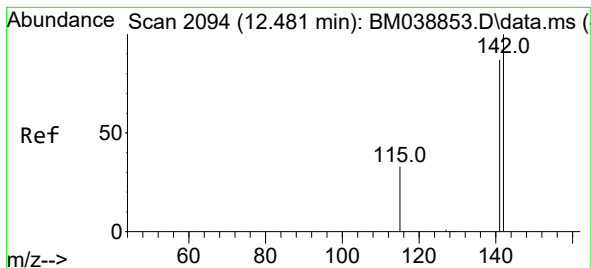
Tgt Ion: 88 Resp: 653
Ion Ratio Lower Upper
88 100
43 46.1 27.2 40.8#
58 49.7 50.8 76.2#



#5
Naphthalene
Concen: 0.067 ng/ul
RT: 10.875 min Scan# 1802
Delta R.T. -0.000 min
Lab File: BM038860.D
Acq: 03 Mar 2023 15:45

Tgt Ion: 128 Resp: 3112
Ion Ratio Lower Upper
128 100
129 13.4 9.1 13.7
127 15.0 10.3 15.5

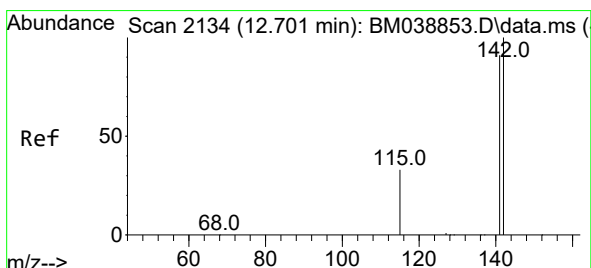
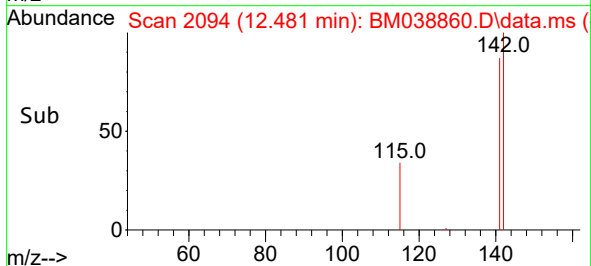
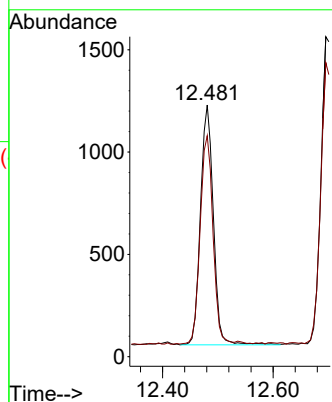
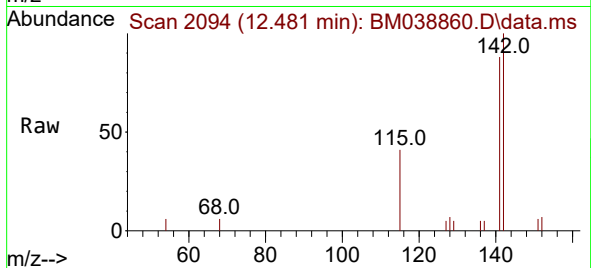




#7
2-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.481 min Scan# 2094
Delta R.T. -0.000 min
Lab File: BM038860.D
Acq: 03 Mar 2023 15:45

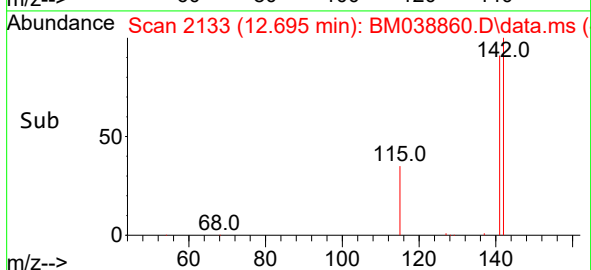
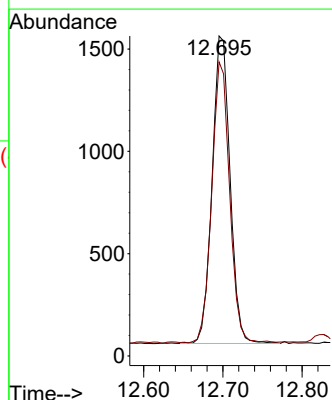
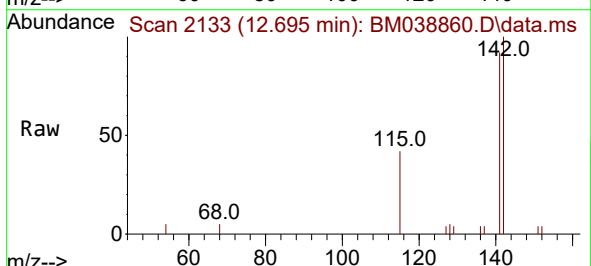
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2023-01

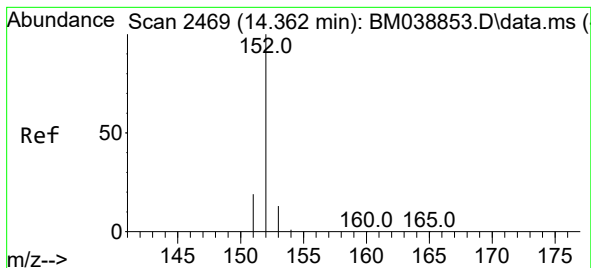
Tgt Ion:142 Resp: 1896
Ion Ratio Lower Upper
142 100
141 86.4 69.9 104.9



#8
1-Methylnaphthalene
Concen: 0.080 ng/ul
RT: 12.695 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BM038860.D
Acq: 03 Mar 2023 15:45

Tgt Ion:142 Resp: 2356
Ion Ratio Lower Upper
142 100
141 91.0 73.5 110.3





#10

Acenaphthylene

Concen: 0.064 ng/ul

RT: 14.362 min Scan# 2469

Delta R.T. -0.000 min

Lab File: BM038860.D

Acq: 03 Mar 2023 15:45

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT1-2023-01

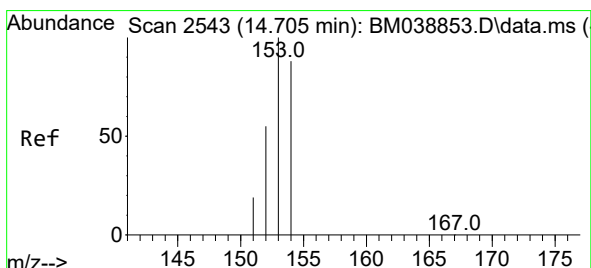
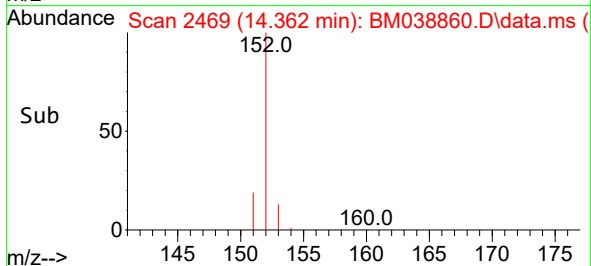
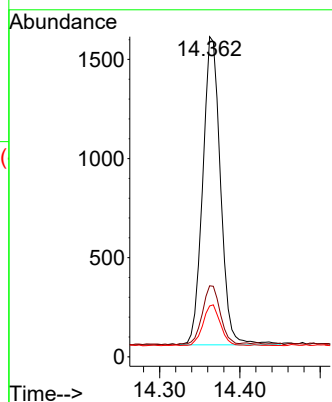
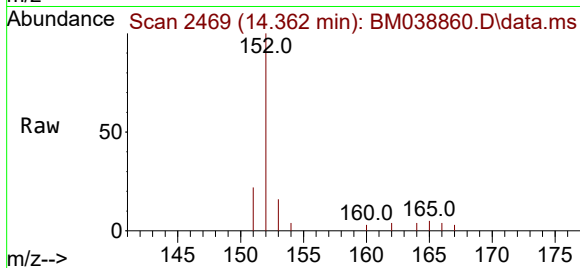
Tgt Ion:152 Resp: 2395

Ion Ratio Lower Upper

152 100

151 22.2 15.6 23.4

153 15.9 10.6 15.8#



#11

Acenaphthene

Concen: 0.066 ng/ul

RT: 14.705 min Scan# 2543

Delta R.T. -0.000 min

Lab File: BM038860.D

Acq: 03 Mar 2023 15:45

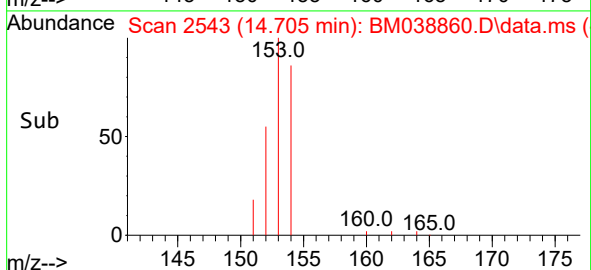
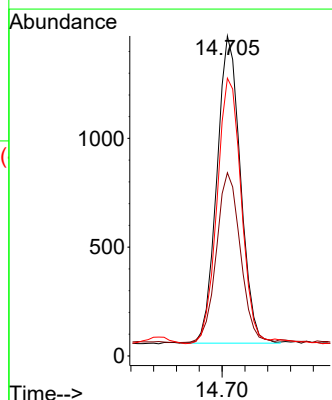
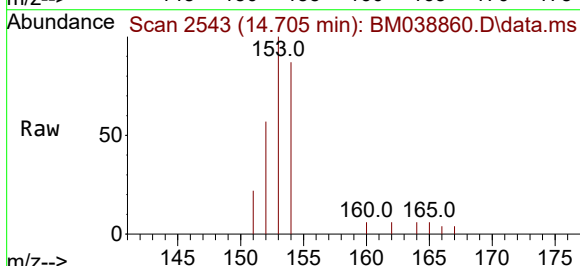
Tgt Ion:153 Resp: 2028

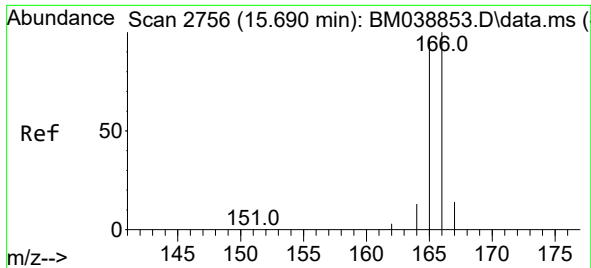
Ion Ratio Lower Upper

153 100

152 57.2 44.2 66.2

154 86.8 70.6 105.8

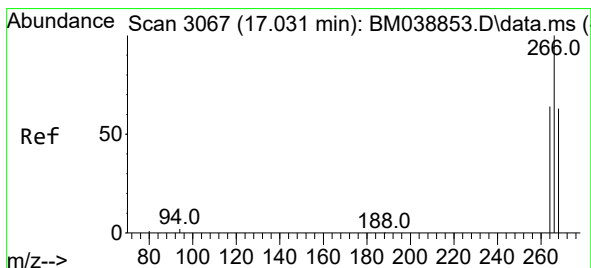
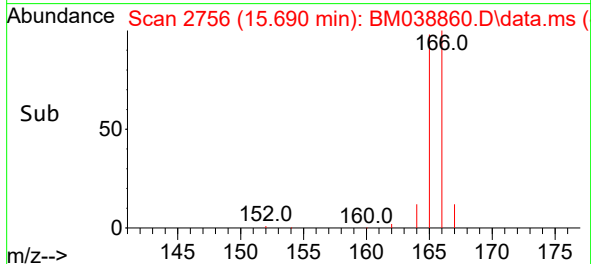
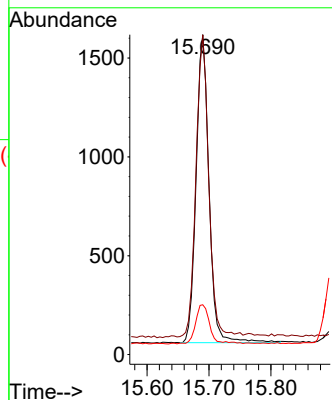
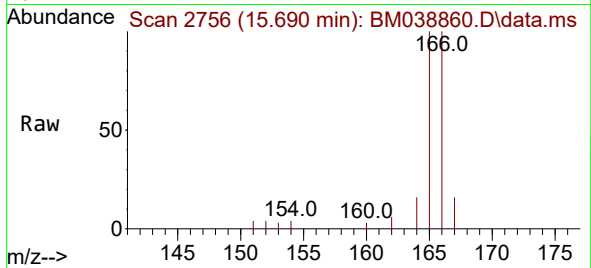




#12
Fluorene
Concen: 0.065 ng/ul
RT: 15.690 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM038860.D
Acq: 03 Mar 2023 15:45

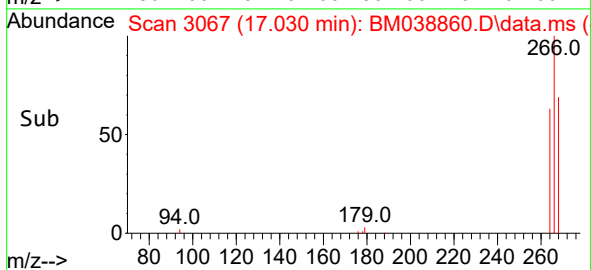
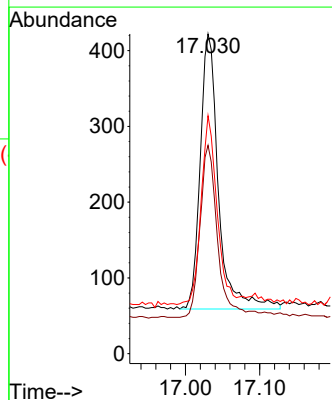
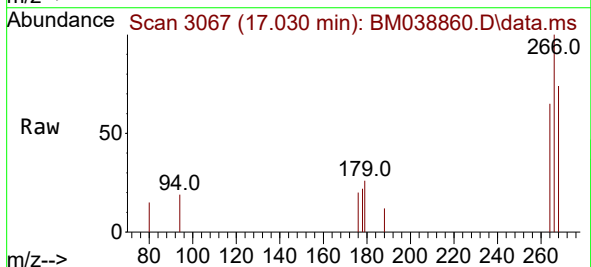
Instrument :
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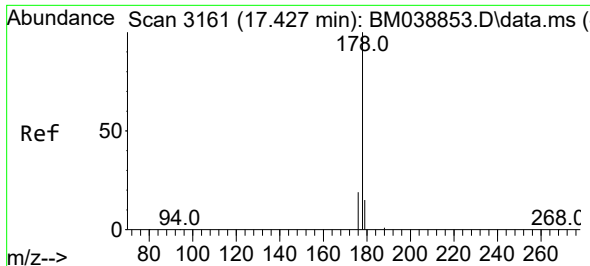
Tgt Ion:166 Resp: 2267
Ion Ratio Lower Upper
166 100
165 99.9 77.8 116.6
167 15.6 11.4 17.2



#14
Pentachlorophenol
Concen: 0.118 ng/ul
RT: 17.030 min Scan# 3067
Delta R.T. -0.000 min
Lab File: BM038860.D
Acq: 03 Mar 2023 15:45

Tgt Ion:266 Resp: 620
Ion Ratio Lower Upper
266 100
264 61.8 50.2 75.2
268 66.8 50.2 75.4

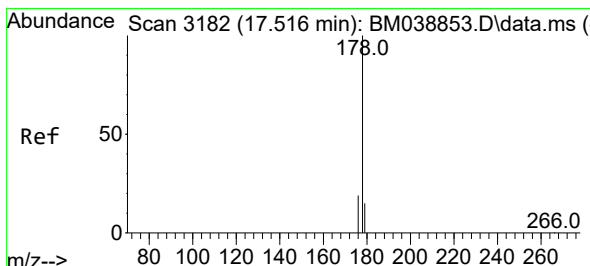
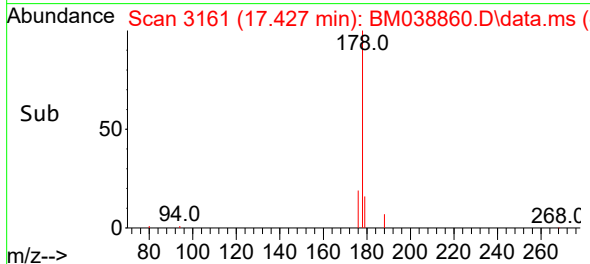
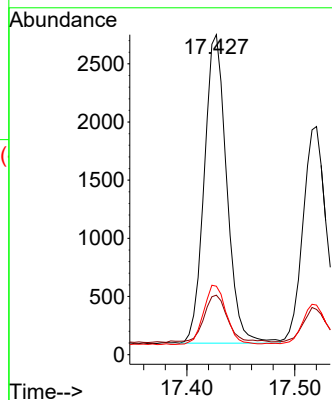
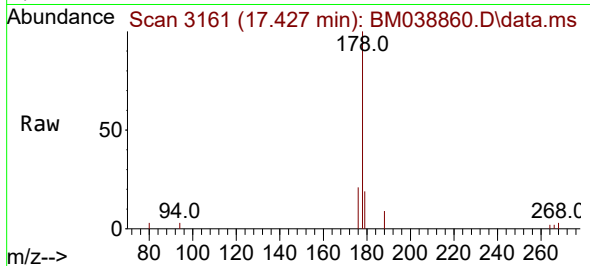




#15
Phenanthrene
Concen: 0.066 ng/ul
RT: 17.427 min Scan# 3161
Delta R.T. -0.000 min
Lab File: BM038860.D
Acq: 03 Mar 2023 15:45

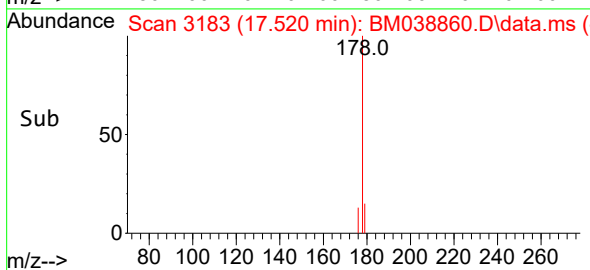
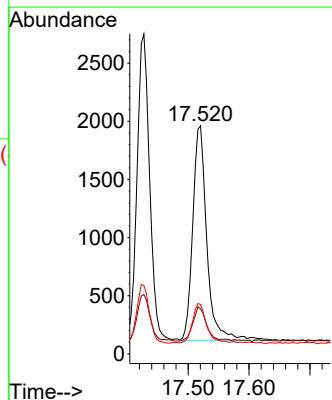
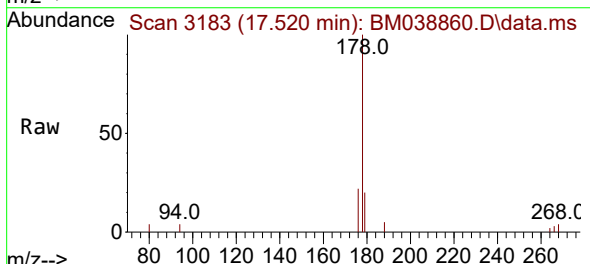
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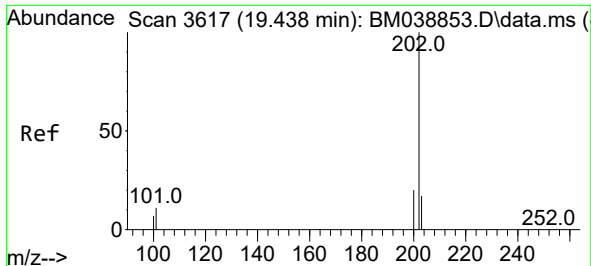
Tgt Ion:178 Resp: 3832
Ion Ratio Lower Upper
178 100
179 18.6 12.7 19.1
176 21.4 15.9 23.9



#16
Anthracene
Concen: 0.062 ng/ul
RT: 17.520 min Scan# 3183
Delta R.T. 0.004 min
Lab File: BM038860.D
Acq: 03 Mar 2023 15:45

Tgt Ion:178 Resp: 2969
Ion Ratio Lower Upper
178 100
179 19.8 13.0 19.6#
176 21.7 15.4 23.2

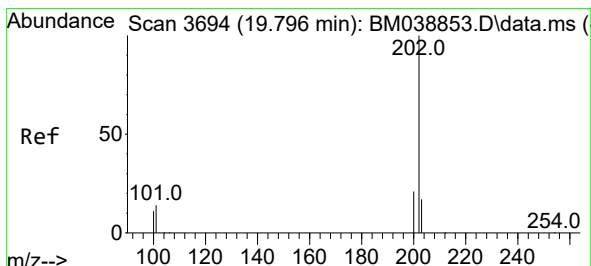
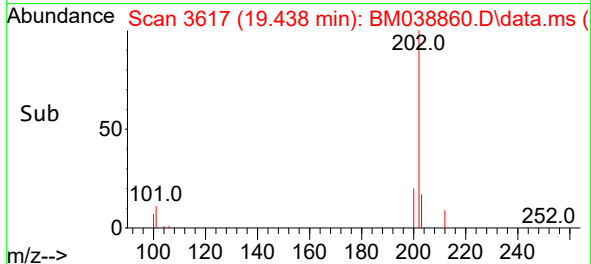
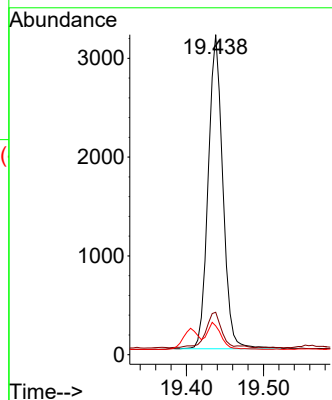
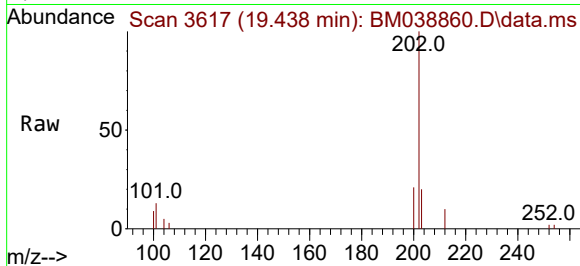




#19
Fluoranthene
Concen: 0.072 ng/ul
RT: 19.438 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BM038860.D
Acq: 03 Mar 2023 15:45

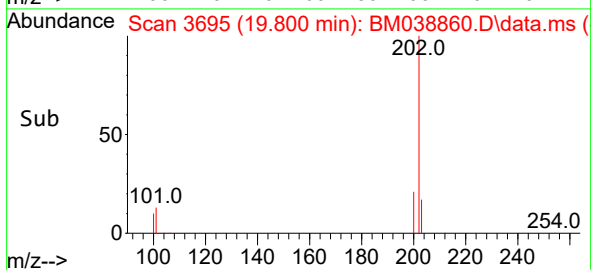
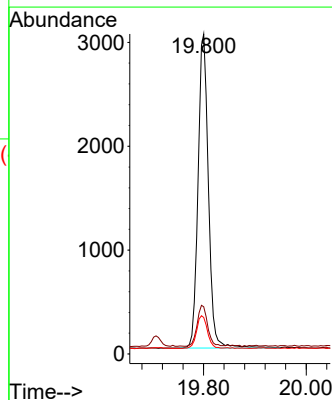
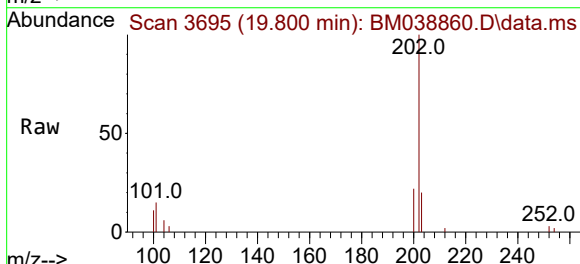
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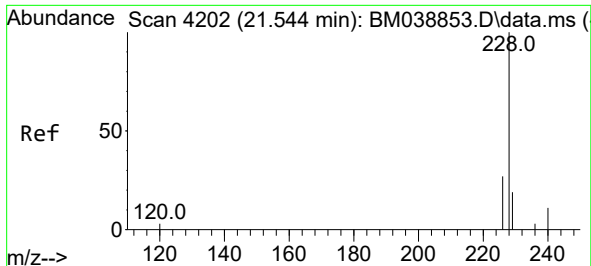
Tgt Ion:202 Resp: 4189
Ion Ratio Lower Upper
202 100
101 13.3 8.9 13.3
100 9.0 6.8 10.2



#20
Pyrene
Concen: 0.072 ng/ul
RT: 19.800 min Scan# 3695
Delta R.T. 0.005 min
Lab File: BM038860.D
Acq: 03 Mar 2023 15:45

Tgt Ion:202 Resp: 4267
Ion Ratio Lower Upper
202 100
101 14.8 11.2 16.8
100 11.4 9.0 13.6

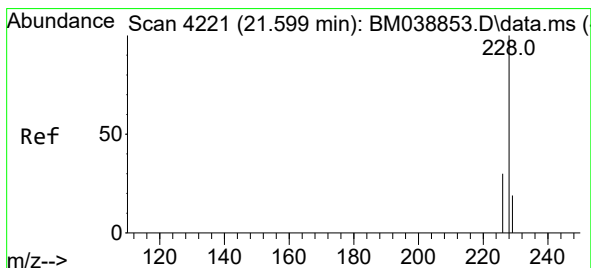
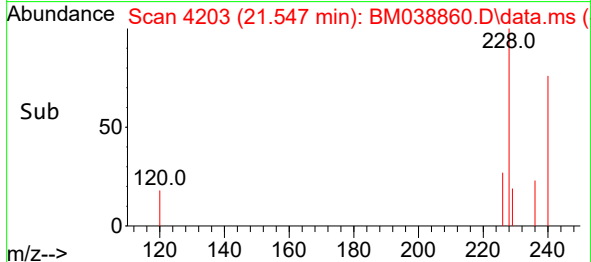
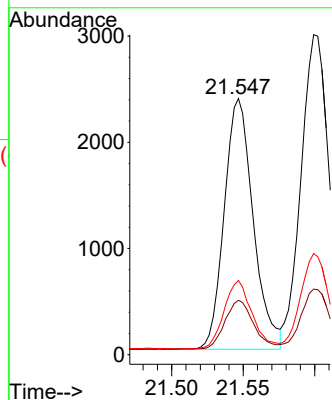
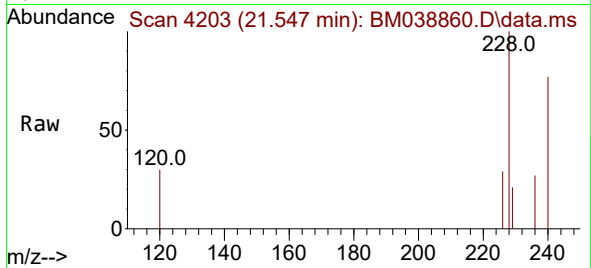




#21
Benzo(a)anthracene
Concen: 0.069 ng/ul
RT: 21.547 min Scan# 41
Delta R.T. 0.003 min
Lab File: BM038860.D
Acq: 03 Mar 2023 15:45

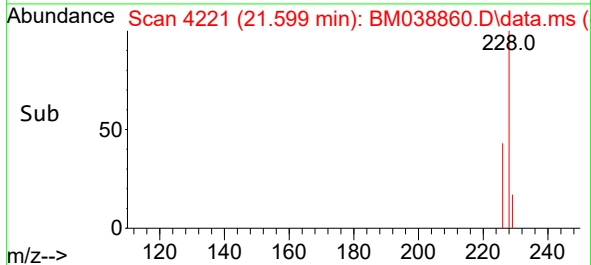
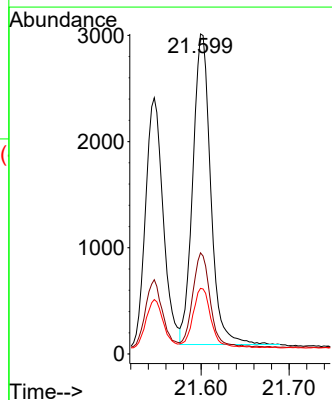
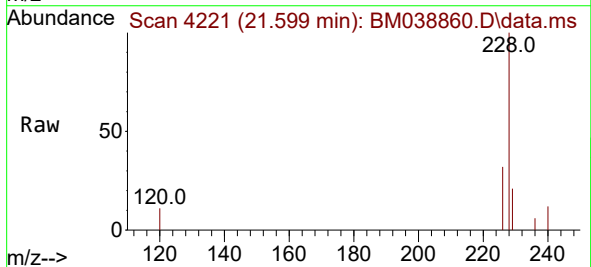
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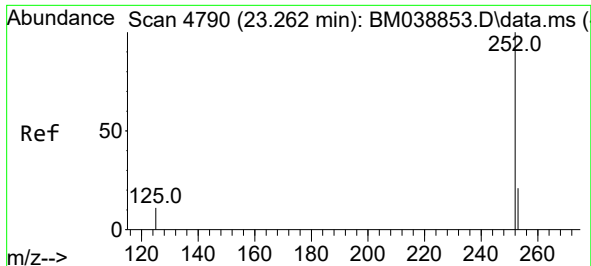
Tgt Ion:228 Resp: 3326
Ion Ratio Lower Upper
228 100
229 21.3 15.6 23.4
226 29.0 22.0 33.0



#22
Chrysene
Concen: 0.071 ng/ul
RT: 21.599 min Scan# 4221
Delta R.T. -0.000 min
Lab File: BM038860.D
Acq: 03 Mar 2023 15:45

Tgt Ion:228 Resp: 4124
Ion Ratio Lower Upper
228 100
226 31.6 24.0 36.0
229 20.5 15.7 23.5

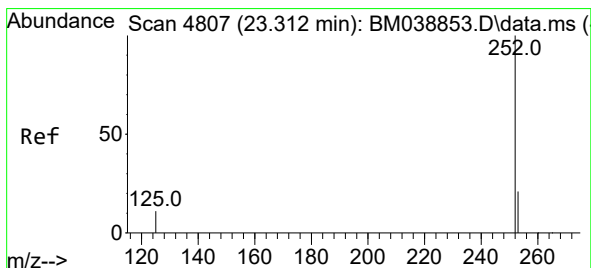
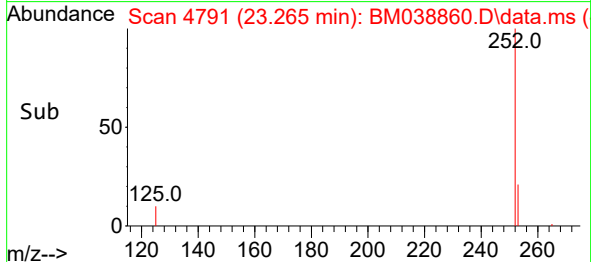
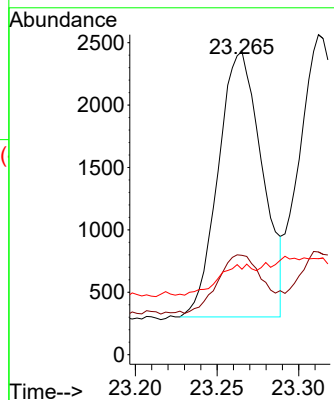
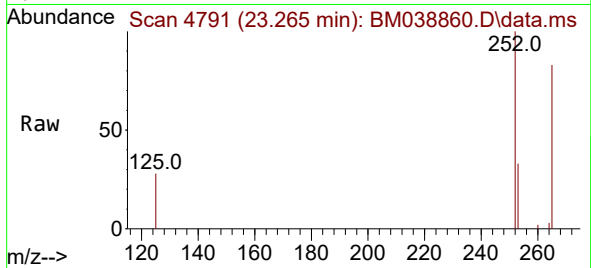




#24
Benzo(b)fluoranthene
Concen: 0.060 ng/ul
RT: 23.265 min Scan# 4791
Delta R.T. 0.003 min
Lab File: BM038860.D
Acq: 03 Mar 2023 15:45

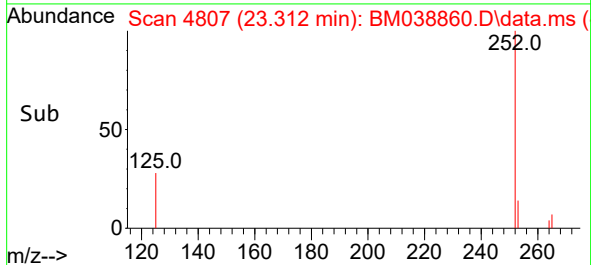
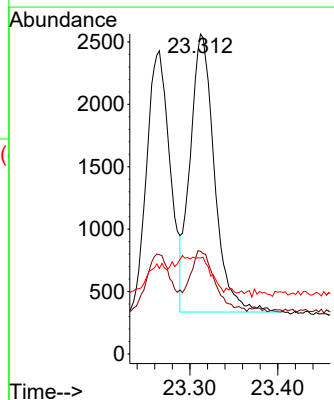
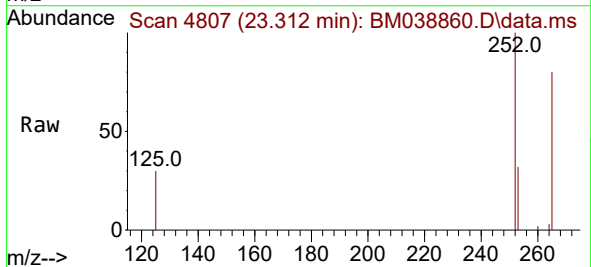
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2023-01

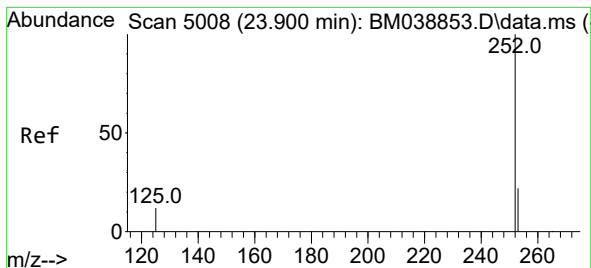
Tgt Ion:252 Resp: 3976
Ion Ratio Lower Upper
252 100
253 32.8 0.0 47.6
125 28.1 0.0 29.2



#25
Benzo(k)fluoranthene
Concen: 0.065 ng/ul
RT: 23.312 min Scan# 4807
Delta R.T. -0.000 min
Lab File: BM038860.D
Acq: 03 Mar 2023 15:45

Tgt Ion:252 Resp: 4284
Ion Ratio Lower Upper
252 100
253 32.1 19.2 28.8#
125 30.0 11.8 17.6#





#26

Benzo(a)pyrene

Concen: 0.067 ng/ul

RT: 23.903 min Scan# 5009

Delta R.T. 0.003 min

Lab File: BM038860.D

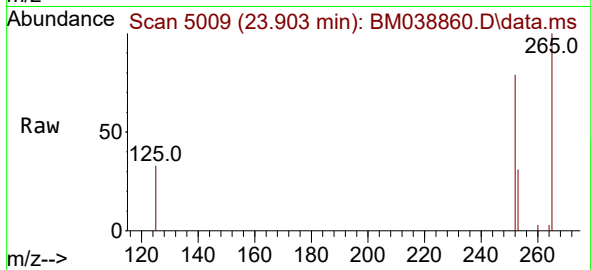
Acq: 03 Mar 2023 15:45

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT1-2023-01



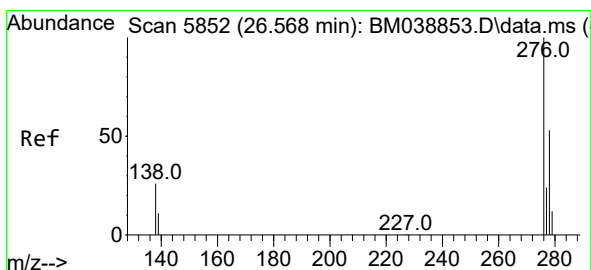
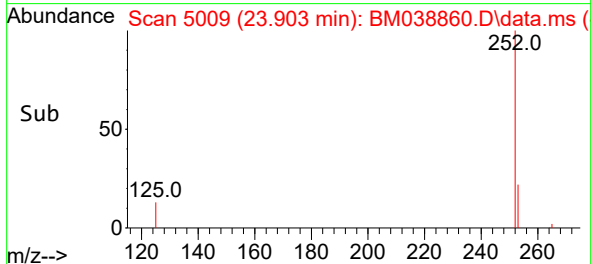
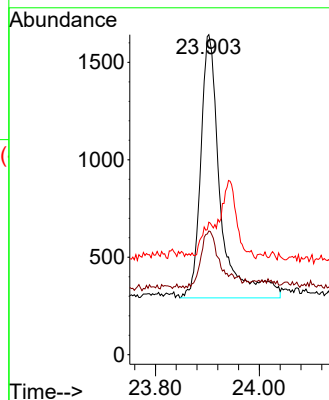
Tgt Ion:252 Resp: 3553

Ion Ratio Lower Upper

252 100

253 38.7 20.3 30.5#

125 41.4 14.0 21.0#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.062 ng/ul

RT: 26.568 min Scan# 5852

Delta R.T. -0.000 min

Lab File: BM038860.D

Acq: 03 Mar 2023 15:45

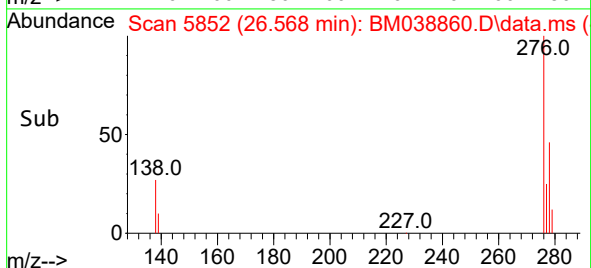
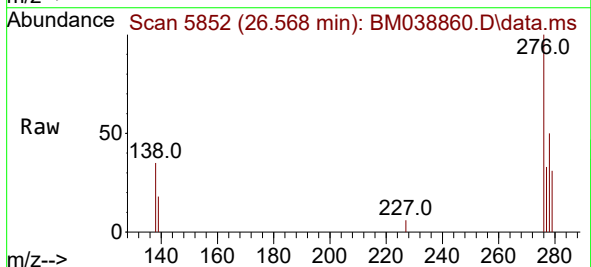
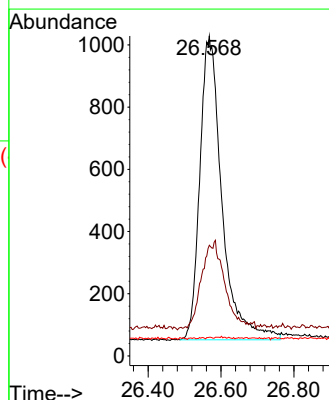
Tgt Ion:276 Resp: 4105

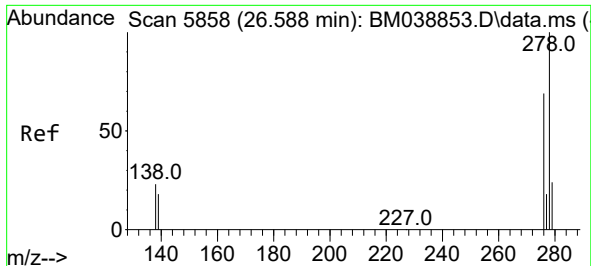
Ion Ratio Lower Upper

276 100

138 0.0 22.2 33.4#

227 0.1 0.2 0.2#

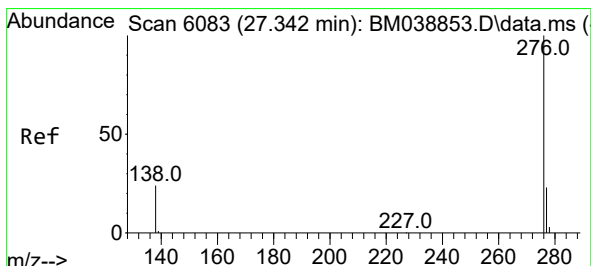
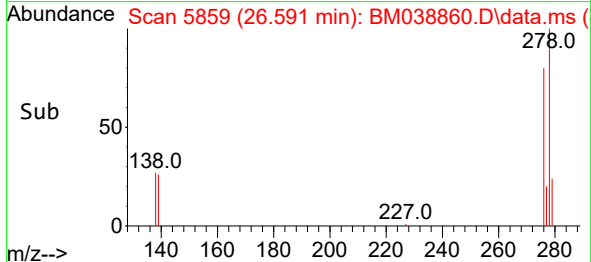
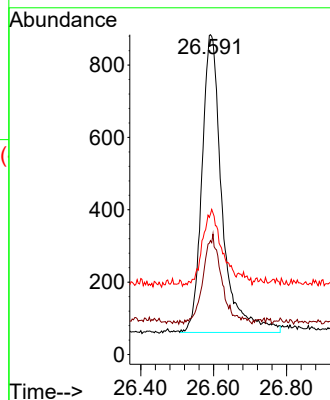
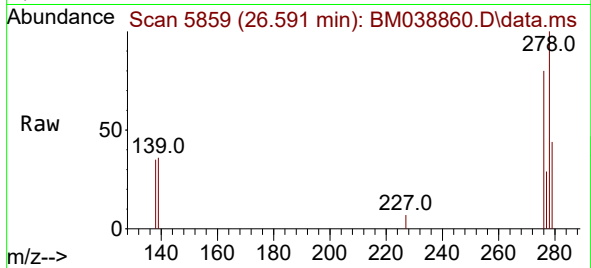




#28
 Dibenzo(a,h)anthracene
 Concen: 0.062 ng/ul
 RT: 26.591 min Scan# 5859
 Delta R.T. 0.003 min
 Lab File: BM038860.D
 Acq: 03 Mar 2023 15:45

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT1-2023-01

Tgt Ion:278 Resp: 3170
 Ion Ratio Lower Upper
 278 100
 139 35.6 16.0 24.0#
 279 43.9 21.8 32.6#



#29
 Benzo(g,h,i)perylene
 Concen: 0.062 ng/ul
 RT: 27.346 min Scan# 6084
 Delta R.T. 0.003 min
 Lab File: BM038860.D
 Acq: 03 Mar 2023 15:45

Tgt Ion:276 Resp: 3834
 Ion Ratio Lower Upper
 276 100
 138 29.8 20.2 30.4
 277 31.1 19.8 29.8#

