

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030623\
 Data File : BM038867.D
 Acq On : 06 Mar 2023 11:50
 Operator : CG/JU
 Sample : 01378-04
 Misc : SFAM-SIM-MDL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT1-2023-02

Quant Time: Mar 07 02:27:03 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)

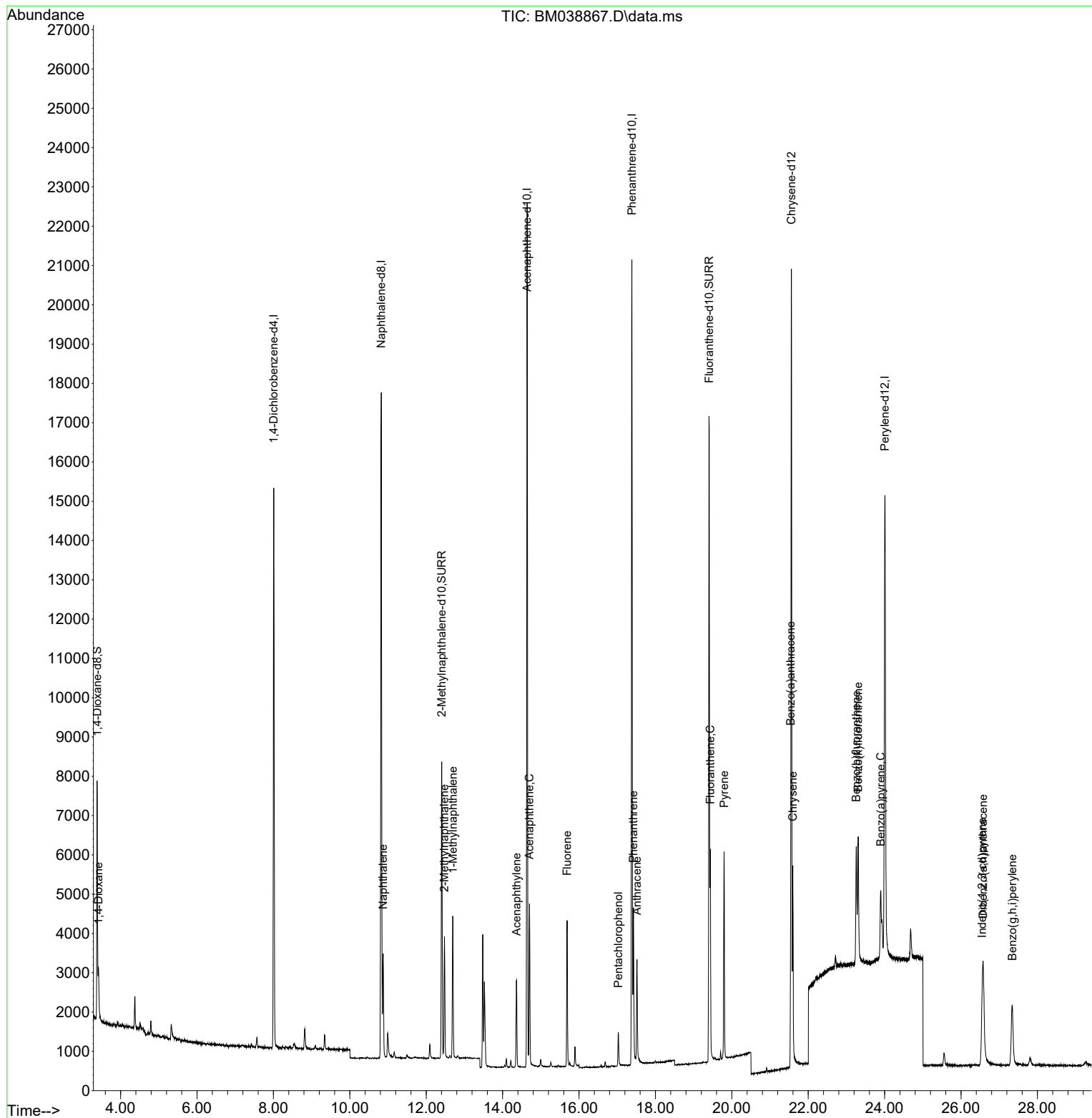
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.008	152	6920	0.400	ng/ul	0.00
4) Naphthalene-d8	10.822	136	22674	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.642	164	11657	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.383	188	23988	0.400	ng/ul	0.00
17) Chrysene-d12	21.558	240	18408	0.400	ng/ul	0.00
23) Perylene-d12	24.005	264	17824	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.384	96	4259	0.544	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.406	152	9859	0.359	ng/ul	0.00
18) Fluoranthene-d10	19.407	212	18244	0.416	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.422	88	673	0.085	ng/ul#	80
5) Naphthalene	10.871	128	3487	0.064	ng/ul	95
7) 2-Methylnaphthalene	12.477	142	2106	0.064	ng/ul	98
8) 1-Methylnaphthalene	12.697	142	2598	0.075	ng/ul	99
10) Acenaphthylene	14.364	152	2608	0.062	ng/ul	94
11) Acenaphthene	14.702	153	2262	0.065	ng/ul	99
12) Fluorene	15.687	166	2442	0.062	ng/ul#	97
14) Pentachlorophenol	17.028	266	630	0.109	ng/ul	100
15) Phenanthrene	17.425	178	4152	0.065	ng/ul	95
16) Anthracene	17.518	178	3120	0.060	ng/ul#	93
19) Fluoranthene	19.435	202	4385	0.070	ng/ul	96
20) Pyrene	19.798	202	4467	0.070	ng/ul	98
21) Benzo(a)anthracene	21.544	228	3469	0.067	ng/ul	99
22) Chrysene	21.596	228	4287	0.068	ng/ul	98
24) Benzo(b)fluoranthene	23.257	252	4126	0.059	ng/ul	76
25) Benzo(k)fluoranthene	23.306	252	4512	0.065	ng/ul#	76
26) Benzo(a)pyrene	23.897	252	3604	0.065	ng/ul#	64
27) Indeno(1,2,3-cd)pyrene	26.554	276	4230	0.060	ng/ul#	47
28) Dibenzo(a,h)anthracene	26.578	278	3322	0.062	ng/ul#	63
29) Benzo(g,h,i)perylene	27.339	276	3736	0.057	ng/ul#	87

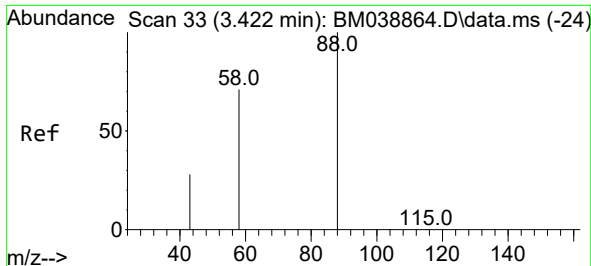
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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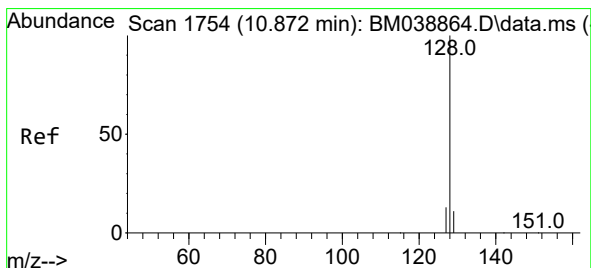
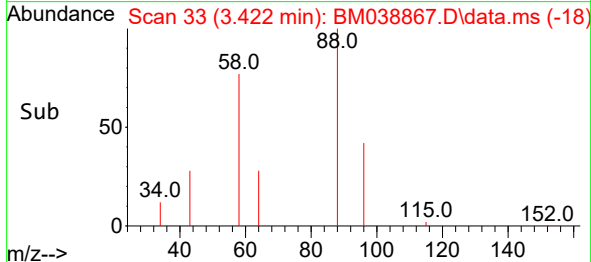
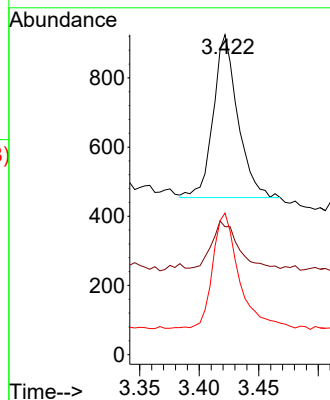
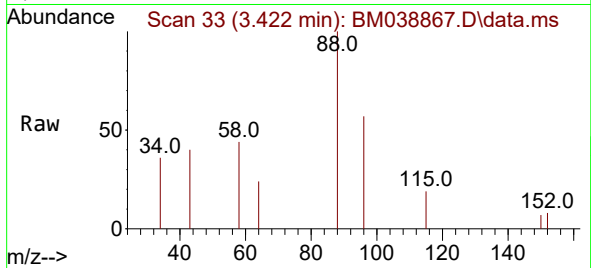




#2
1,4-Dioxane
Concen: 0.085 ng/ul
RT: 3.422 min Scan# 31
Delta R.T. 0.002 min
Lab File: BM038867.D
Acq: 06 Mar 2023 11:50

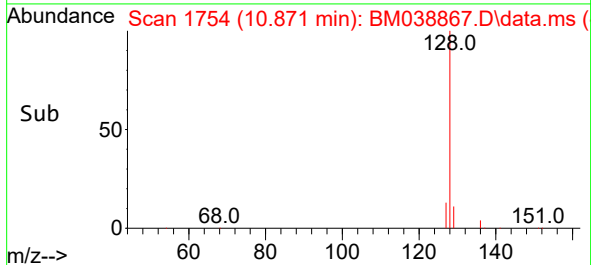
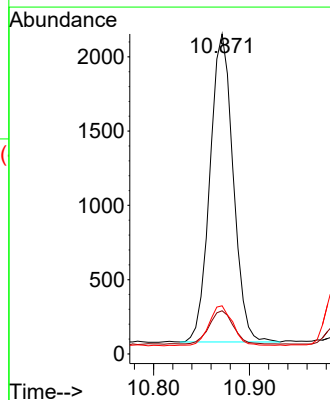
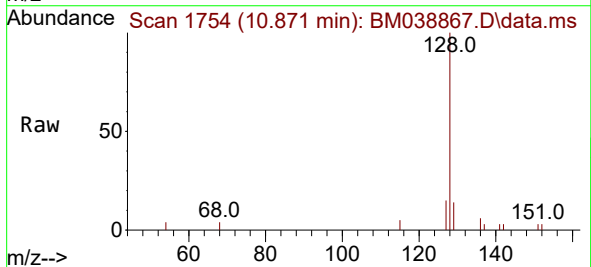
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2023-02

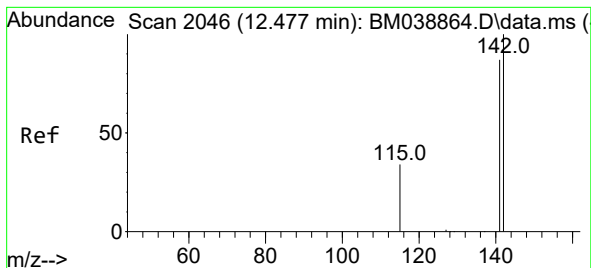
Tgt Ion: 88 Resp: 673
Ion Ratio Lower Upper
88 100
43 40.0 27.2 40.8
58 44.2 50.8 76.2#



#5
Naphthalene
Concen: 0.064 ng/ul
RT: 10.871 min Scan# 1754
Delta R.T. -0.004 min
Lab File: BM038867.D
Acq: 06 Mar 2023 11:50

Tgt Ion: 128 Resp: 3487
Ion Ratio Lower Upper
128 100
129 13.5 9.1 13.7
127 15.0 10.3 15.5

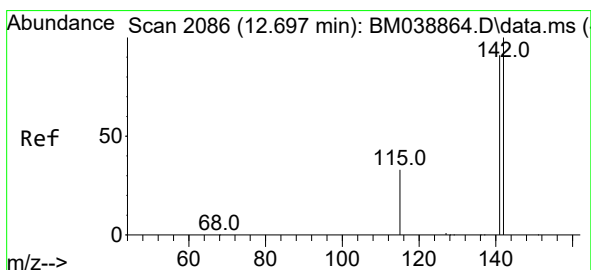
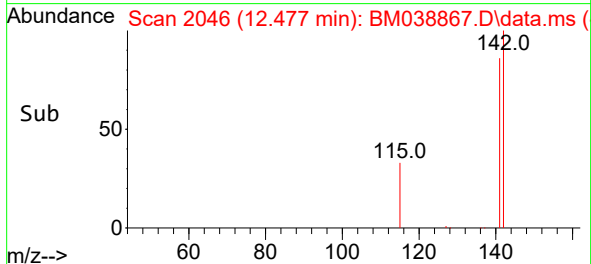
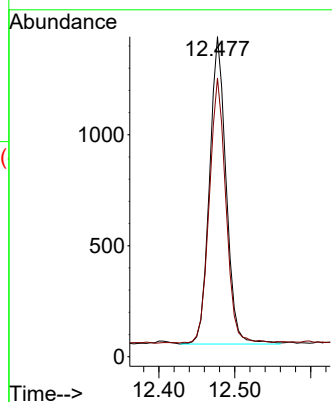
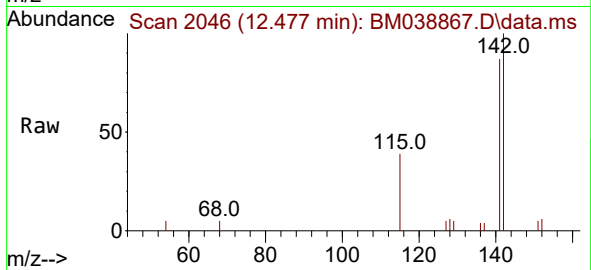




#7
2-Methylnaphthalene
Concen: 0.064 ng/ul
RT: 12.477 min Scan# 2046
Delta R.T. -0.004 min
Lab File: BM038867.D
Acq: 06 Mar 2023 11:50

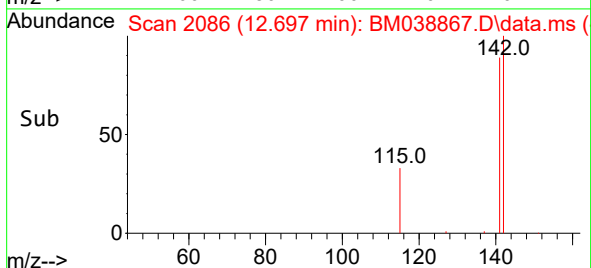
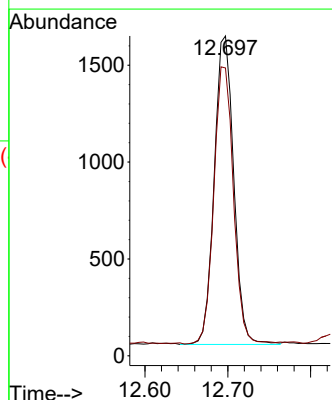
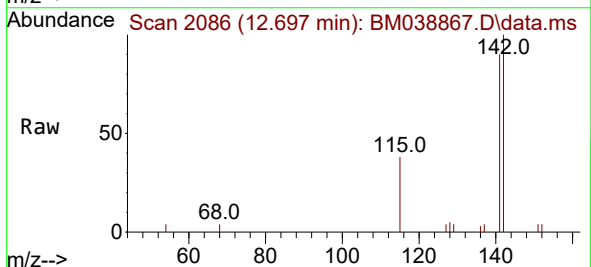
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2023-02

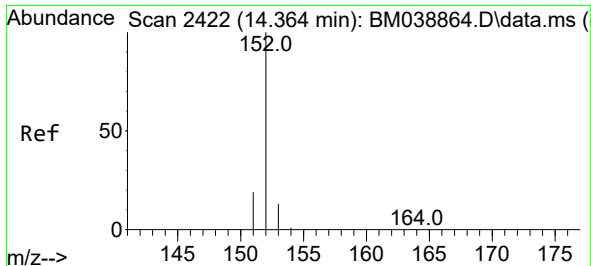
Tgt Ion:142 Resp: 2106
Ion Ratio Lower Upper
142 100
141 85.8 69.9 104.9



#8
1-Methylnaphthalene
Concen: 0.075 ng/ul
RT: 12.697 min Scan# 2086
Delta R.T. -0.004 min
Lab File: BM038867.D
Acq: 06 Mar 2023 11:50

Tgt Ion:142 Resp: 2598
Ion Ratio Lower Upper
142 100
141 91.0 73.5 110.3

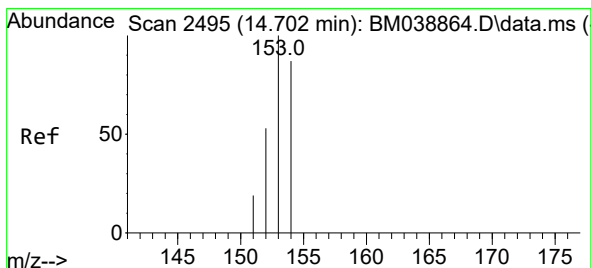
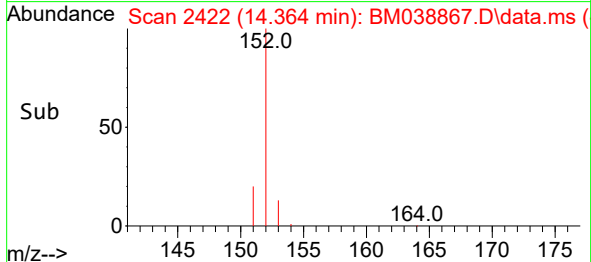
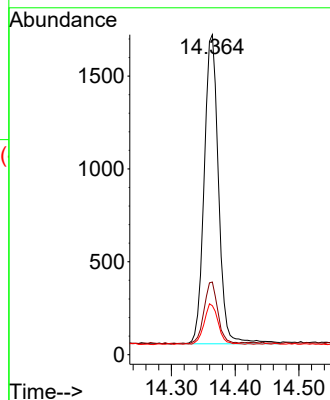
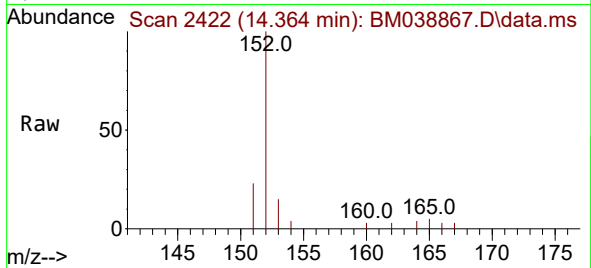




#10
Acenaphthylene
Concen: 0.062 ng/ul
RT: 14.364 min Scan# 2422
Delta R.T. 0.002 min
Lab File: BM038867.D
Acq: 06 Mar 2023 11:50

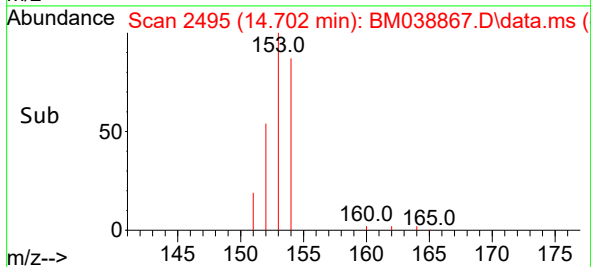
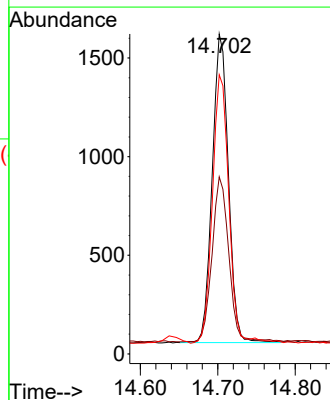
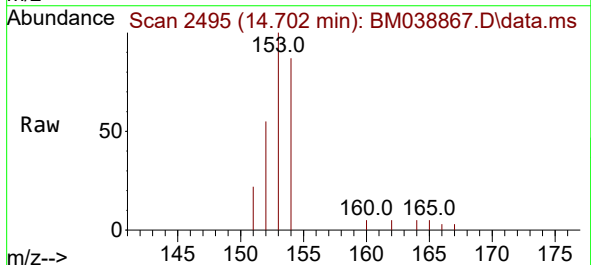
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2023-02

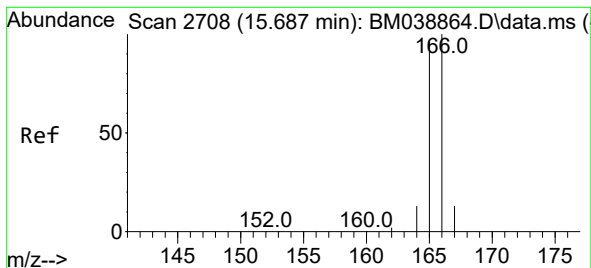
Tgt Ion:	152	Resp:	2608
Ion Ratio	Lower	Upper	
152	100		
151	22.7	15.6	23.4
153	15.3	10.6	15.8



#11
Acenaphthene
Concen: 0.065 ng/ul
RT: 14.702 min Scan# 2495
Delta R.T. -0.003 min
Lab File: BM038867.D
Acq: 06 Mar 2023 11:50

Tgt Ion:	153	Resp:	2262
Ion Ratio	Lower	Upper	
153	100		
152	55.4	44.2	66.2
154	87.2	70.6	105.8





#12

Fluorene

Concen: 0.062 ng/ul

RT: 15.687 min Scan# 21

Delta R.T. -0.003 min

Lab File: BM038867.D

Acq: 06 Mar 2023 11:50

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT1-2023-02

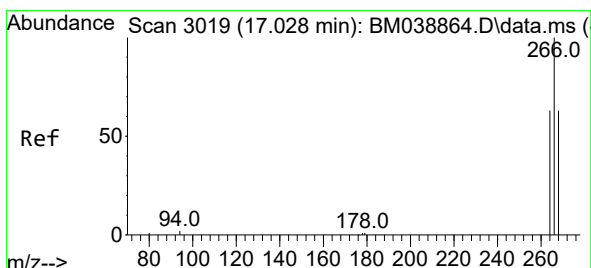
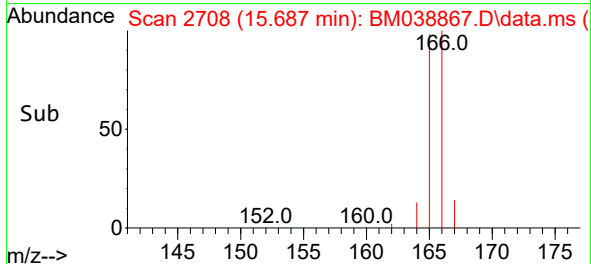
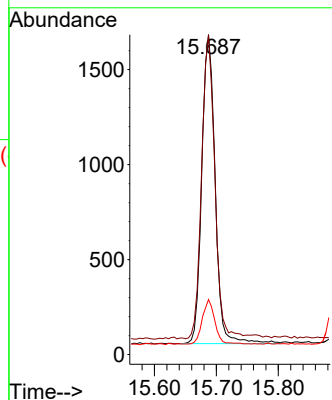
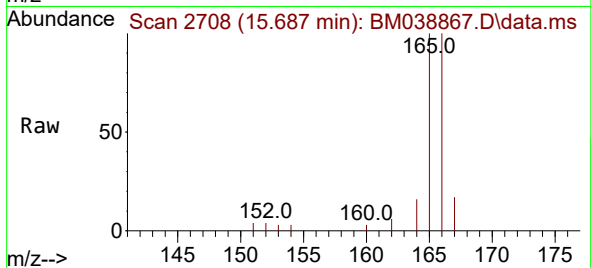
Tgt Ion:166 Resp: 2442

Ion Ratio Lower Upper

166 100

165 99.9 77.8 116.6

167 17.2 11.4 17.2#



#14

Pentachlorophenol

Concen: 0.109 ng/ul

RT: 17.028 min Scan# 3019

Delta R.T. -0.002 min

Lab File: BM038867.D

Acq: 06 Mar 2023 11:50

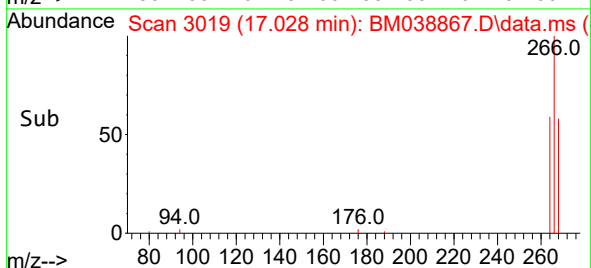
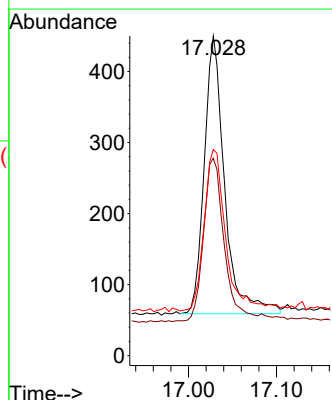
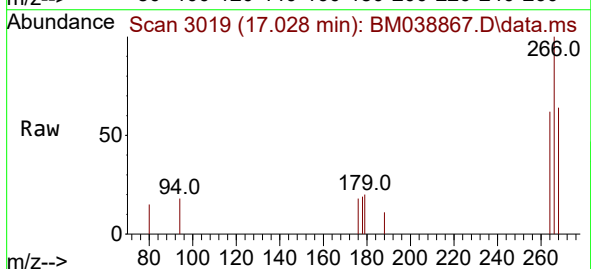
Tgt Ion:266 Resp: 630

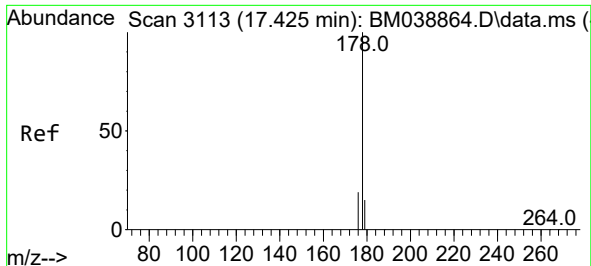
Ion Ratio Lower Upper

266 100

264 62.5 50.2 75.2

268 62.4 50.2 75.4

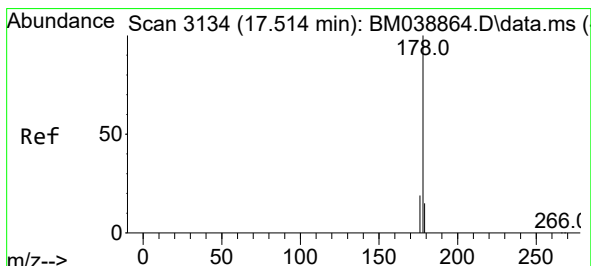
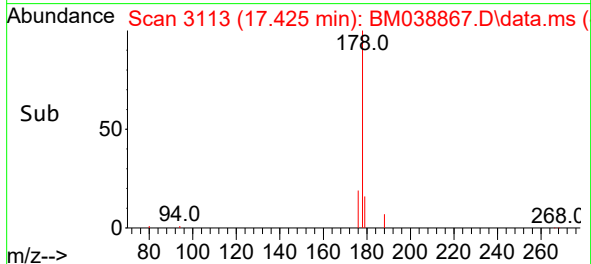
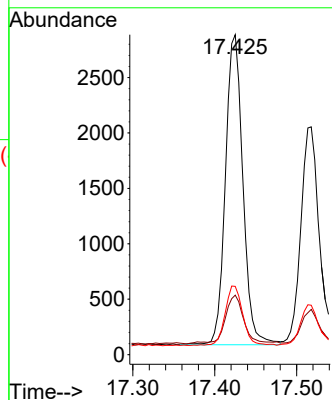
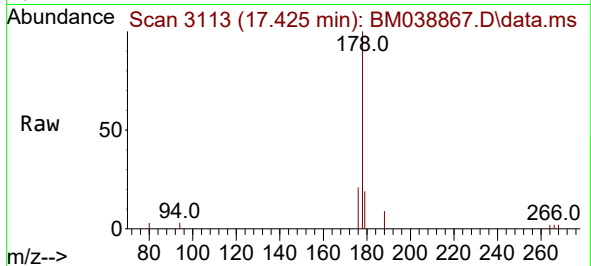




#15
Phenanthrene
Concen: 0.065 ng/ul
RT: 17.425 min Scan# 3113
Delta R.T. -0.002 min
Lab File: BM038867.D
Acq: 06 Mar 2023 11:50

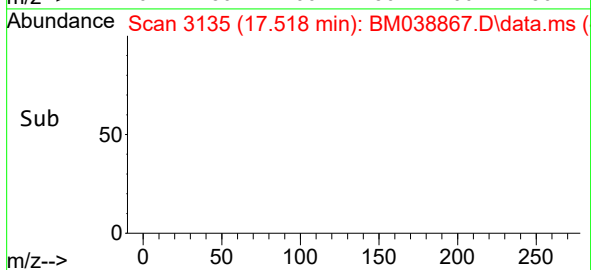
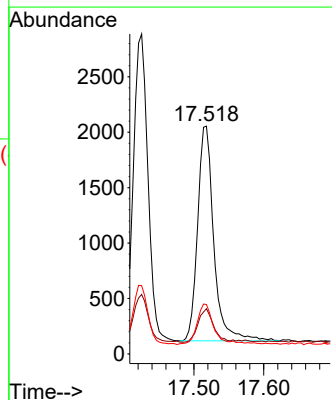
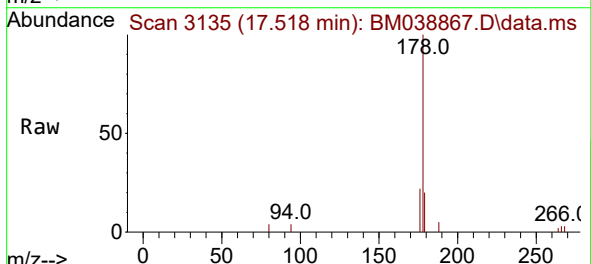
Instrument :
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ClientSampleId :
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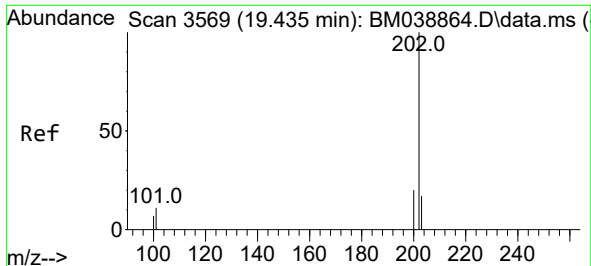
Tgt Ion:178 Resp: 4152
Ion Ratio Lower Upper
178 100
179 18.6 12.7 19.1
176 21.3 15.9 23.9



#16
Anthracene
Concen: 0.060 ng/ul
RT: 17.518 min Scan# 3135
Delta R.T. 0.002 min
Lab File: BM038867.D
Acq: 06 Mar 2023 11:50

Tgt Ion:178 Resp: 3120
Ion Ratio Lower Upper
178 100
179 19.8 13.0 19.6#
176 21.7 15.4 23.2





#19

Fluoranthene

Concen: 0.070 ng/ul

RT: 19.435 min Scan# 3569

Delta R.T. -0.003 min

Lab File: BM038867.D

Acq: 06 Mar 2023 11:50

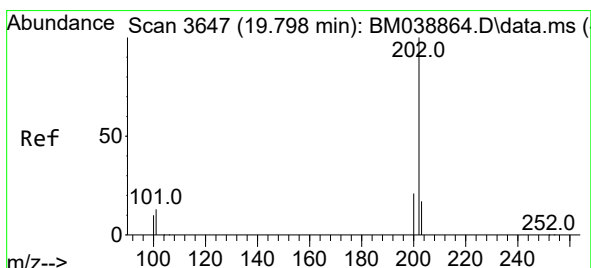
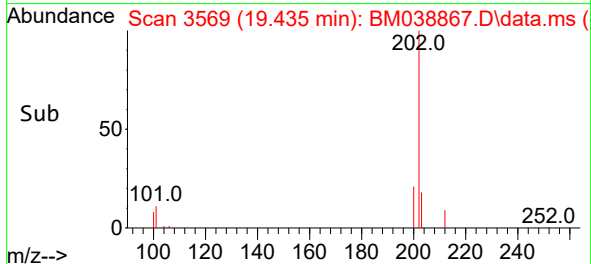
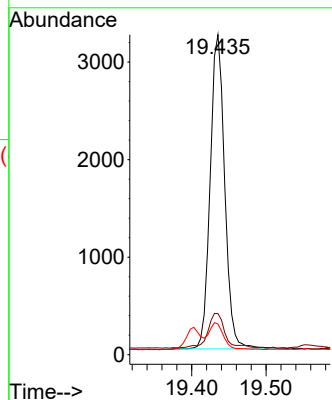
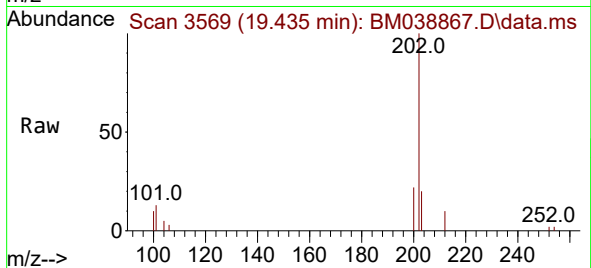
Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT1-2023-02

Tgt Ion:	202	Resp:	4385
Ion	Ratio	Lower	Upper
202	100		
101	12.9	8.9	13.3
100	9.6	6.8	10.2



#20

Pyrene

Concen: 0.070 ng/ul

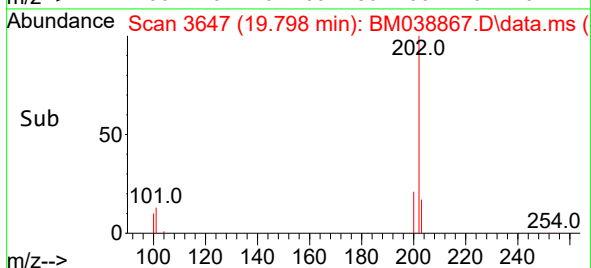
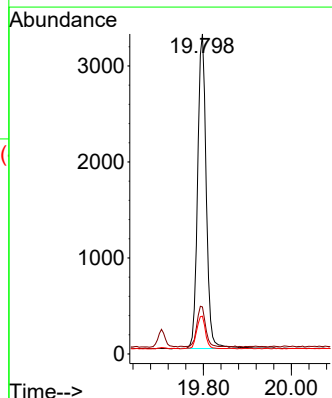
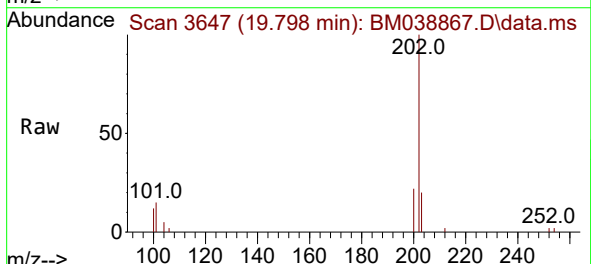
RT: 19.798 min Scan# 3647

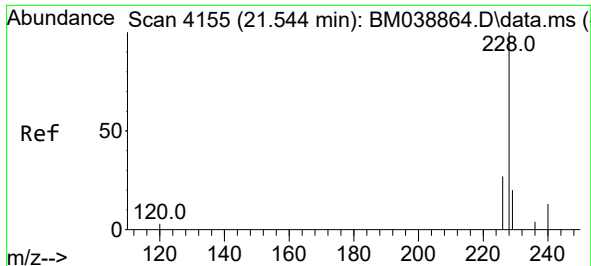
Delta R.T. 0.002 min

Lab File: BM038867.D

Acq: 06 Mar 2023 11:50

Tgt Ion:	202	Resp:	4467
Ion	Ratio	Lower	Upper
202	100		
101	14.7	11.2	16.8
100	11.8	9.0	13.6

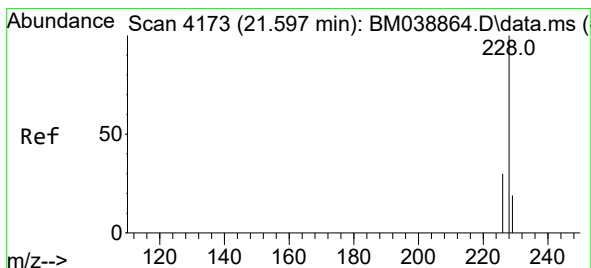
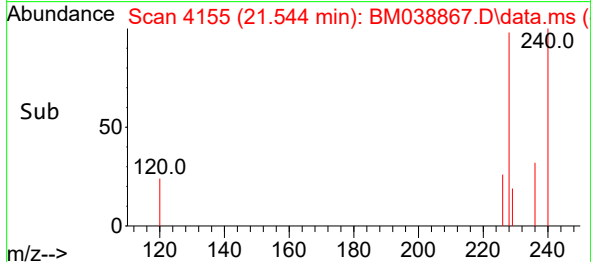
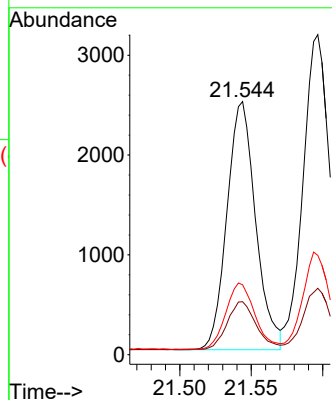
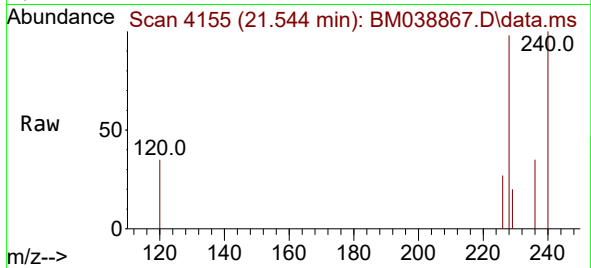




#21
Benzo(a)anthracene
Concen: 0.067 ng/ul
RT: 21.544 min Scan# 4155
Delta R.T. 0.000 min
Lab File: BM038867.D
Acq: 06 Mar 2023 11:50

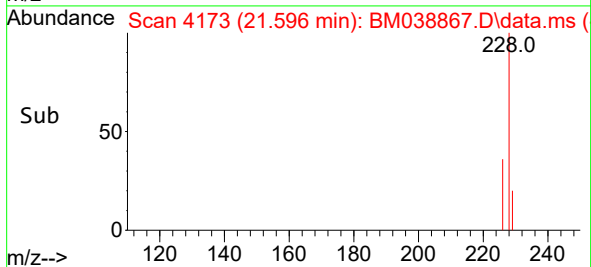
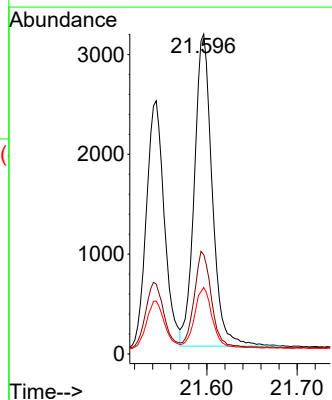
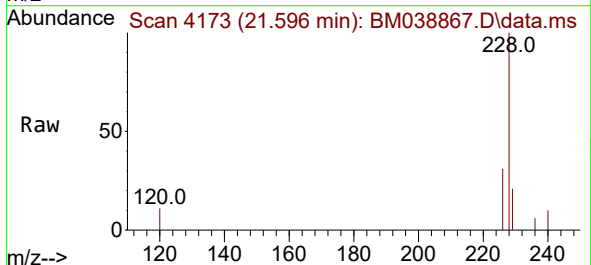
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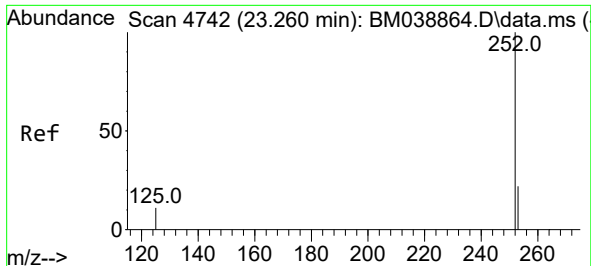
Tgt Ion:228 Resp: 3469
Ion Ratio Lower Upper
228 100
229 20.9 15.6 23.4
226 27.6 22.0 33.0



#22
Chrysene
Concen: 0.068 ng/ul
RT: 21.596 min Scan# 4173
Delta R.T. -0.003 min
Lab File: BM038867.D
Acq: 06 Mar 2023 11:50

Tgt Ion:228 Resp: 4287
Ion Ratio Lower Upper
228 100
226 31.0 24.0 36.0
229 20.7 15.7 23.5

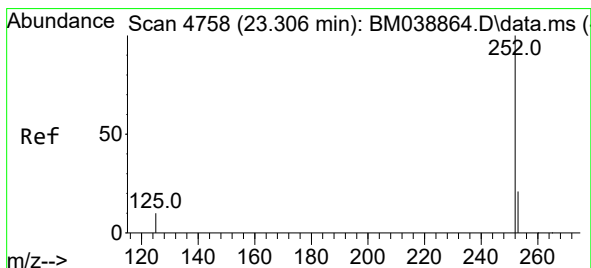
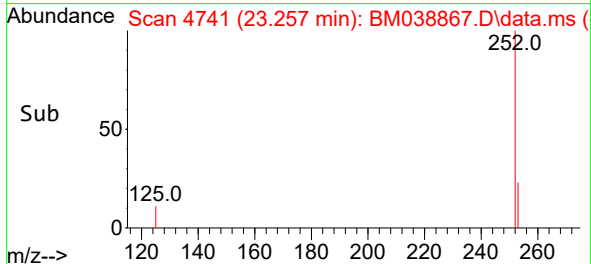
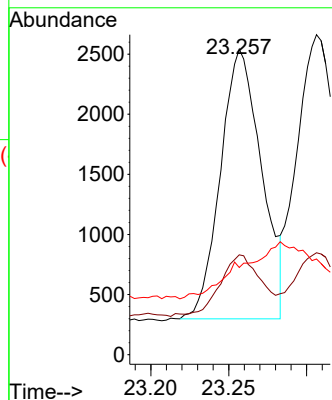
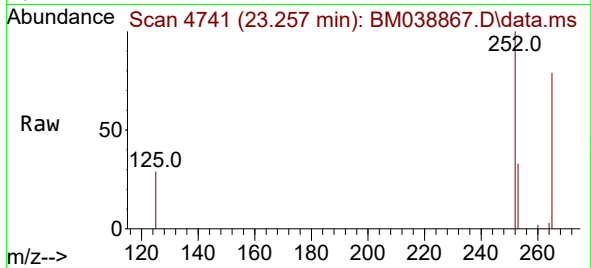




#24
Benzo(b)fluoranthene
Concen: 0.059 ng/ul
RT: 23.257 min Scan# 4741
Delta R.T. -0.006 min
Lab File: BM038867.D
Acq: 06 Mar 2023 11:50

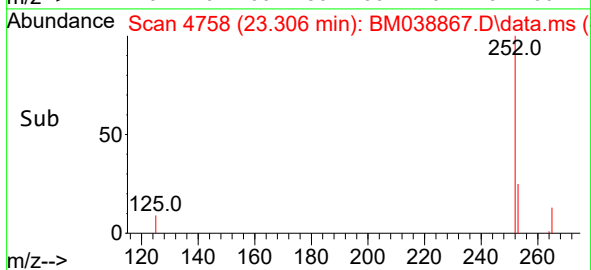
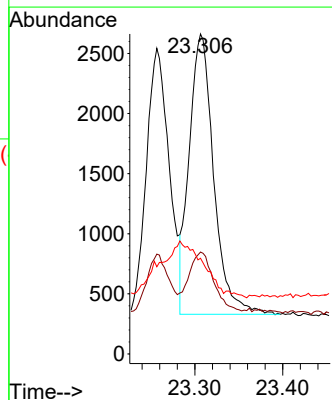
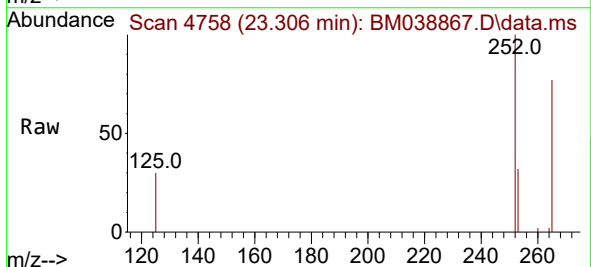
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2023-02

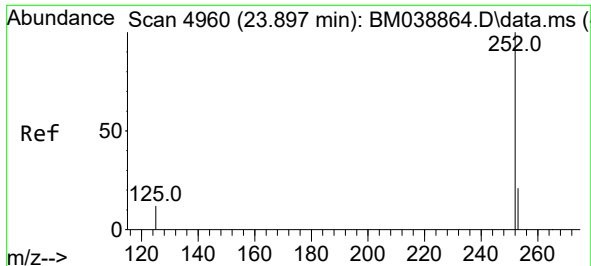
Tgt Ion:252 Resp: 4126
Ion Ratio Lower Upper
252 100
253 32.7 0.0 47.6
125 28.6 0.0 29.2



#25
Benzo(k)fluoranthene
Concen: 0.065 ng/ul
RT: 23.306 min Scan# 4758
Delta R.T. -0.006 min
Lab File: BM038867.D
Acq: 06 Mar 2023 11:50

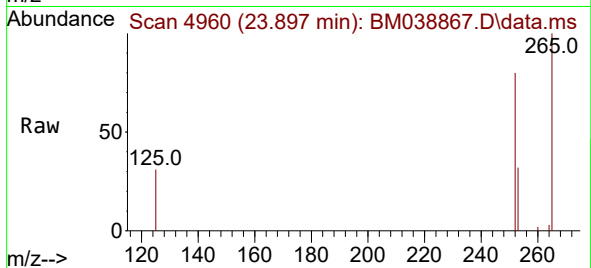
Tgt Ion:252 Resp: 4512
Ion Ratio Lower Upper
252 100
253 31.9 19.2 28.8#
125 29.9 11.8 17.6#



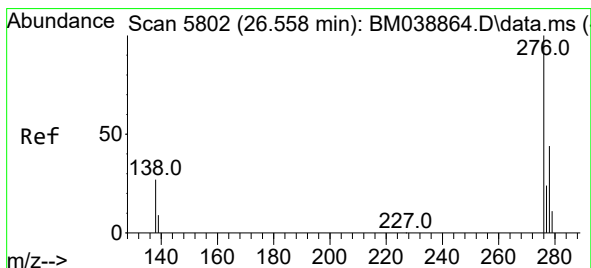
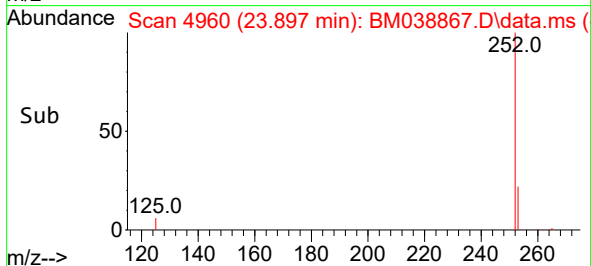
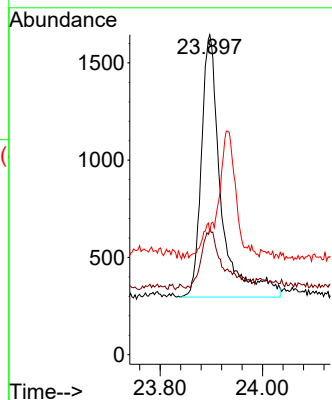


#26
Benzo(a)pyrene
Concen: 0.065 ng/ul
RT: 23.897 min Scan# 4960
Delta R.T. -0.003 min
Lab File: BM038867.D
Acq: 06 Mar 2023 11:50

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2023-02

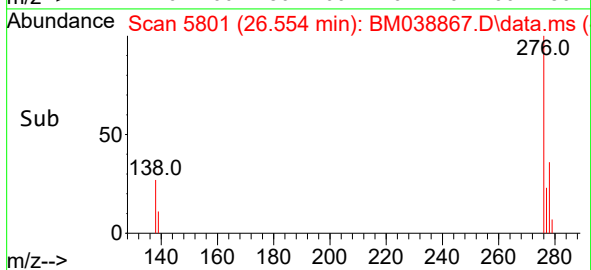
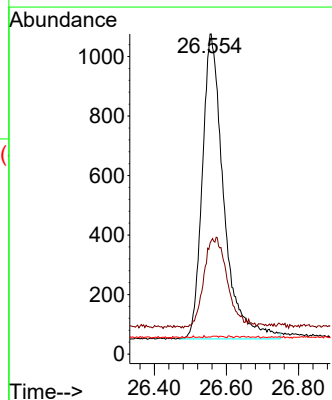
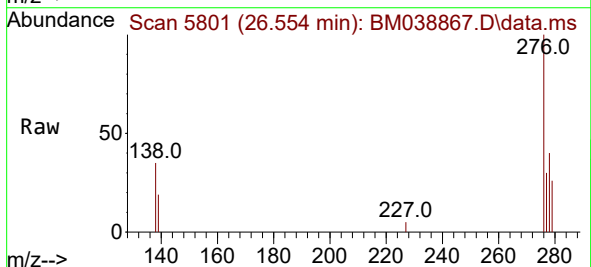


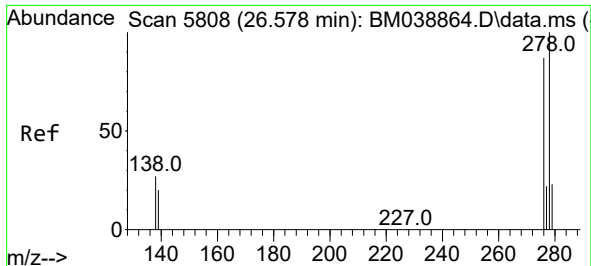
Tgt Ion:252 Resp: 3604
Ion Ratio Lower Upper
252 100
253 39.3 20.3 30.5#
125 38.4 14.0 21.0#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.060 ng/ul
RT: 26.554 min Scan# 5801
Delta R.T. -0.013 min
Lab File: BM038867.D
Acq: 06 Mar 2023 11:50

Tgt Ion:276 Resp: 4230
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: 26.578 min Scan# 5808

Delta R.T. -0.010 min

Lab File: BM038867.D

Acq: 06 Mar 2023 11:50

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT1-2023-02

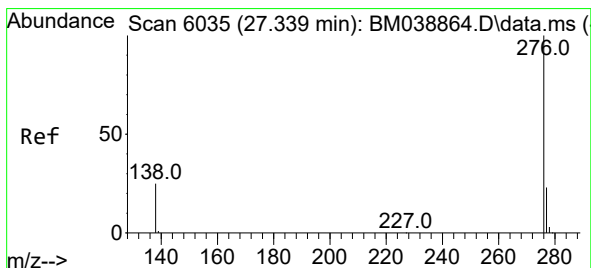
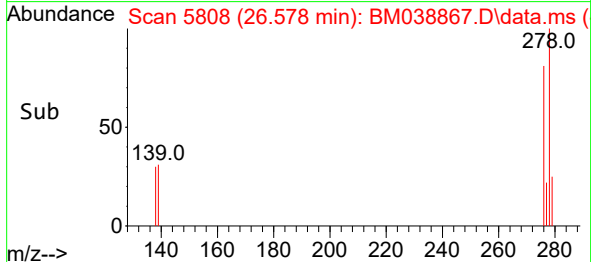
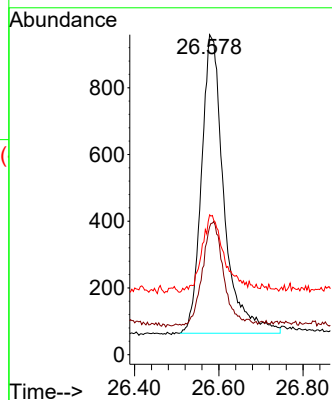
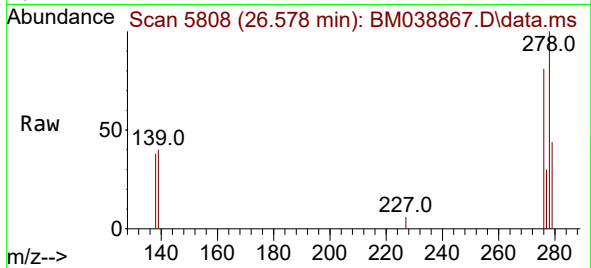
Tgt Ion:278 Resp: 3322

Ion Ratio Lower Upper

278 100

139 39.9 16.0 24.0#

279 43.7 21.8 32.6#



#29

Benzo(g,h,i)perylene

Concen: 0.057 ng/ul

RT: 27.339 min Scan# 6035

Delta R.T. -0.003 min

Lab File: BM038867.D

Acq: 06 Mar 2023 11:50

Tgt Ion:276 Resp: 3736

Ion Ratio Lower Upper

276 100

138 31.9 20.2 30.4#

277 31.4 19.8 29.8#

