

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102023\
 Data File : BM042380.D
 Acq On : 20 Oct 2023 12:11
 Operator : MA/JU
 Sample : 04696-04
 Misc : SFAM-SIM-MDL-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT4-2023-08

Quant Time: Oct 20 12:55:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 14:30:27 2023
 Response via : Initial Calibration

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

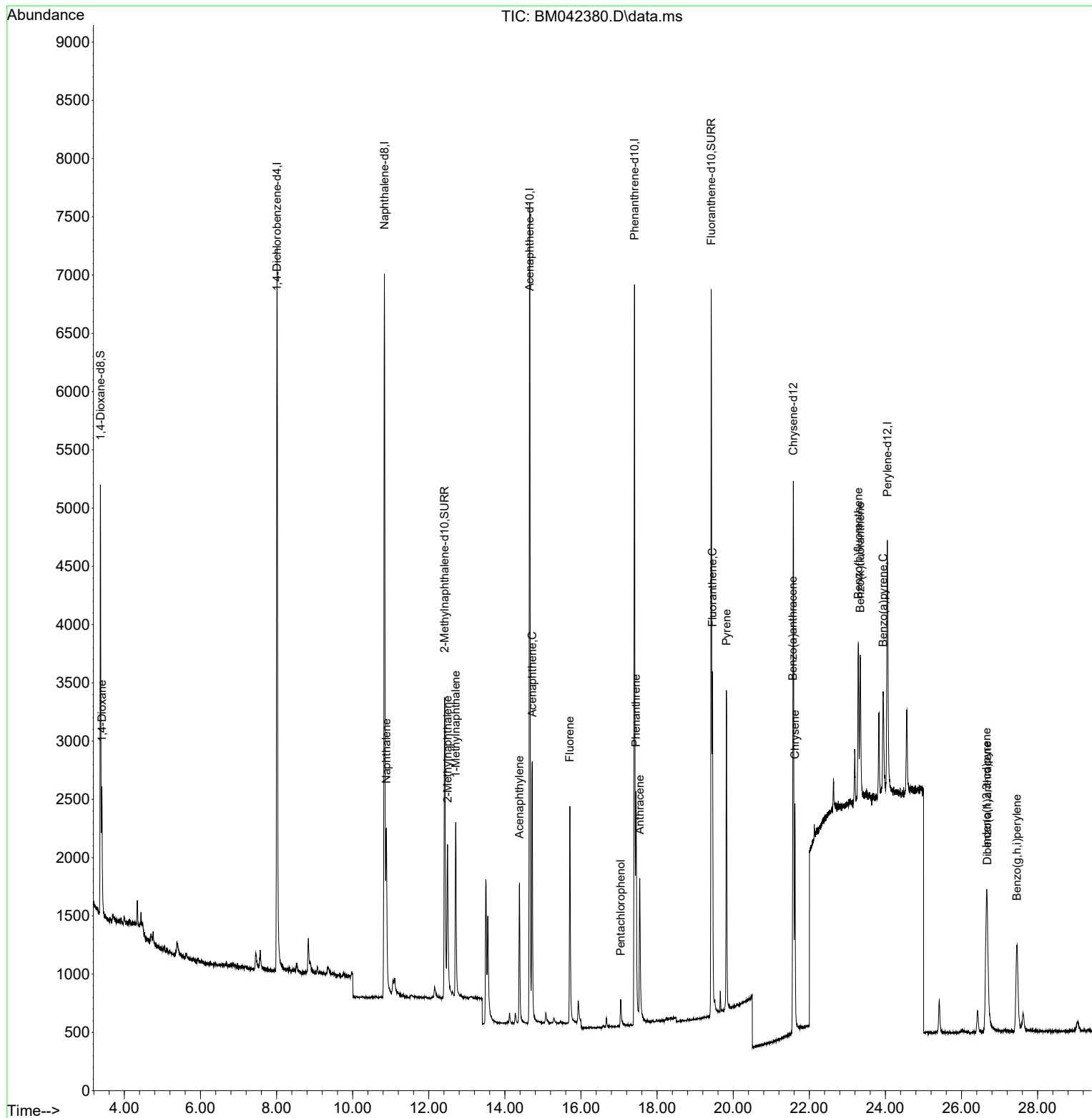
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.013	152	3590	0.400	ng/ul	0.00
4) Naphthalene-d8	10.834	136	9474	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.652	164	3919	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.405	188	7403	0.400	ng/ul	0.00
17) Chrysene-d12	21.583	240	3133	0.400	ng/ul	0.00
23) Perylene-d12	24.053	264	3358	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.372	96	2224	0.419	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.418	152	4450	0.382	ng/ul	0.00
18) Fluoranthene-d10	19.422	212	5603	0.395	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.410	88	566	0.100	ng/ul#	85
5) Naphthalene	10.884	128	2081	0.069	ng/ul#	89
7) 2-Methylnaphthalene	12.495	142	1234	0.070	ng/ul	99
8) 1-Methylnaphthalene	12.709	142	1217	0.067	ng/ul	99
10) Acenaphthylene	14.384	152	1608	0.068	ng/ul#	89
11) Acenaphthene	14.717	153	1320	0.069	ng/ul	97
12) Fluorene	15.707	166	1388	0.066	ng/ul#	96
14) Pentachlorophenol	17.042	266	215	0.076	ng/ul	96
15) Phenanthrene	17.447	178	2209	0.069	ng/ul#	91
16) Anthracene	17.544	178	1753	0.064	ng/ul#	88
19) Fluoranthene	19.455	202	2309	0.067	ng/ul#	93
20) Pyrene	19.822	202	2364	0.067	ng/ul	93
21) Benzo(a)anthracene	21.568	228	1581	0.068	ng/ul	93
22) Chrysene	21.621	228	1782	0.074	ng/ul	97
24) Benzo(b)fluoranthene	23.287	252	1827	0.067	ng/ul	60
25) Benzo(k)fluoranthene	23.339	252	1860	0.072	ng/ul#	58
26) Benzo(a)pyrene	23.942	252	1552	0.072	ng/ul#	49
27) Indeno(1,2,3-cd)pyrene	26.659	276	2076	0.074	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.679	278	1499	0.075	ng/ul#	75
29) Benzo(g,h,i)perylene	27.457	276	1864	0.078	ng/ul#	85

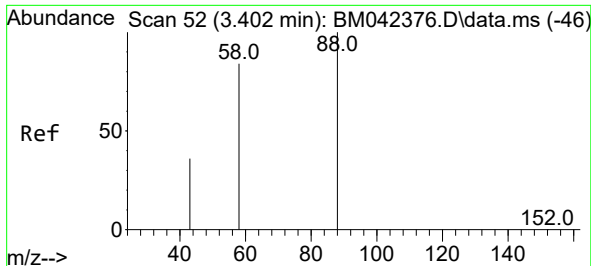
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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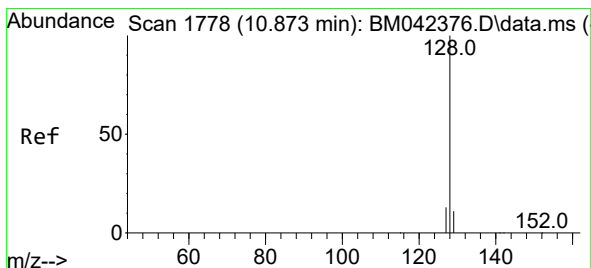
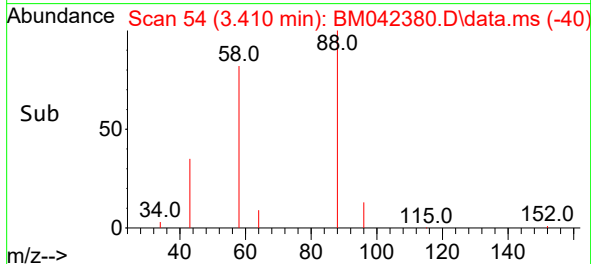
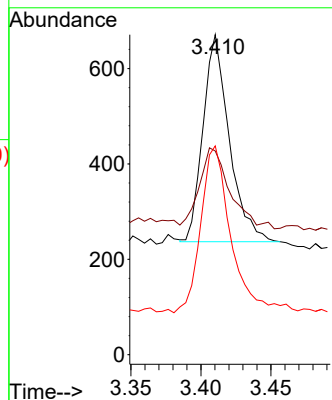
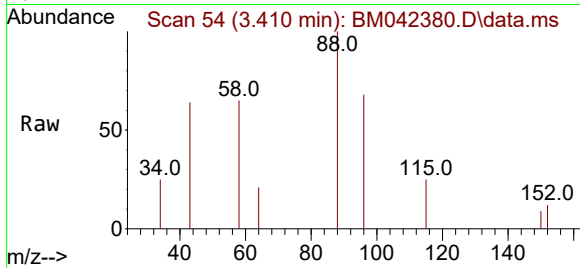




#2
1,4-Dioxane
Concen: 0.100 ng/ul
RT: 3.410 min Scan# 54
Delta R.T. 0.000 min
Lab File: BM042380.D
Acq: 20 Oct 2023 12:11

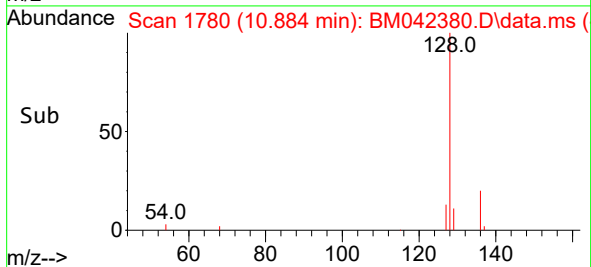
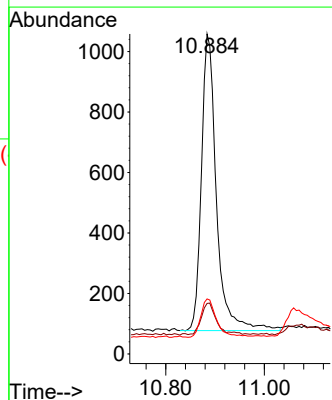
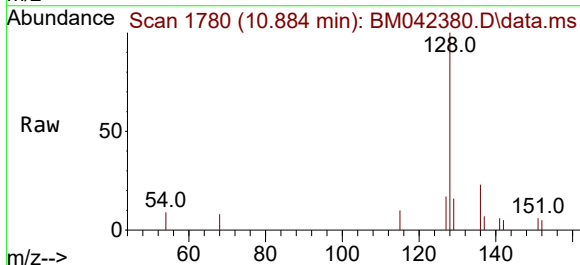
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2023-08

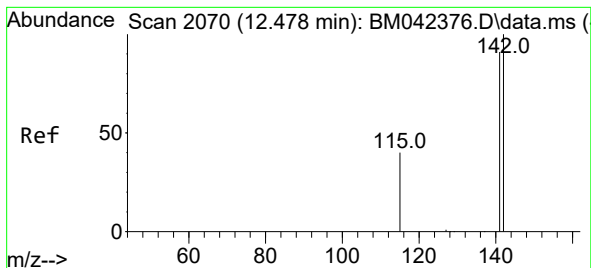
Tgt Ion: 88 Resp: 566
Ion Ratio Lower Upper
88 100
43 63.6 41.0 61.6#
58 65.3 60.9 91.3



#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.884 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BM042380.D
Acq: 20 Oct 2023 12:11

Tgt Ion: 128 Resp: 2081
Ion Ratio Lower Upper
128 100
129 15.8 9.0 13.6#
127 17.2 10.6 16.0#

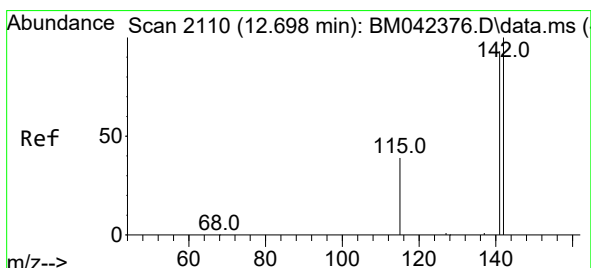
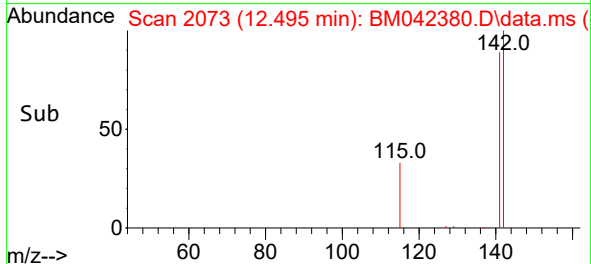
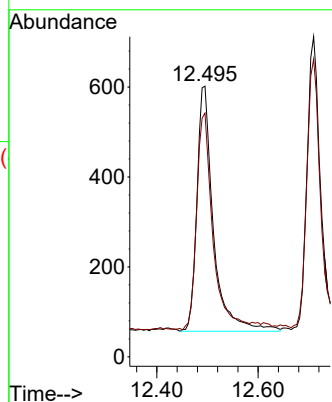
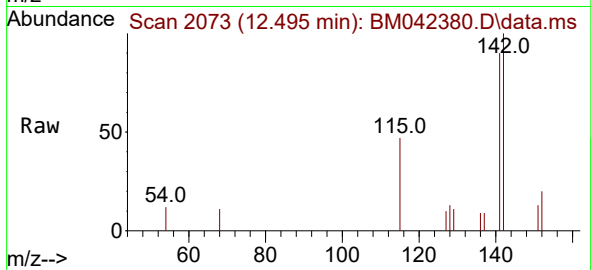




#7
2-Methylnaphthalene
Concen: 0.070 ng/ul
RT: 12.495 min Scan# 2073
Delta R.T. 0.006 min
Lab File: BM042380.D
Acq: 20 Oct 2023 12:11

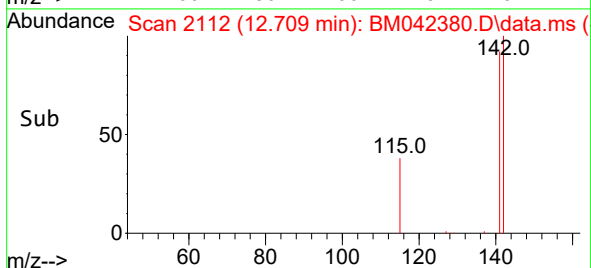
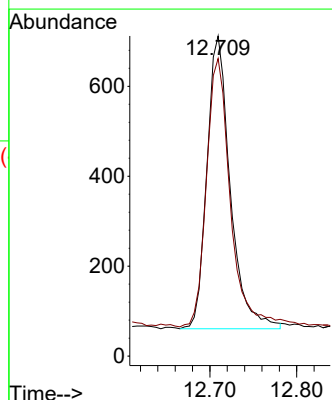
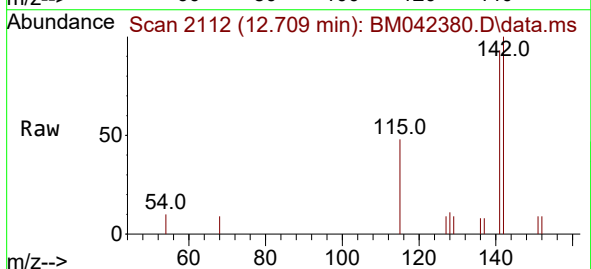
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2023-08

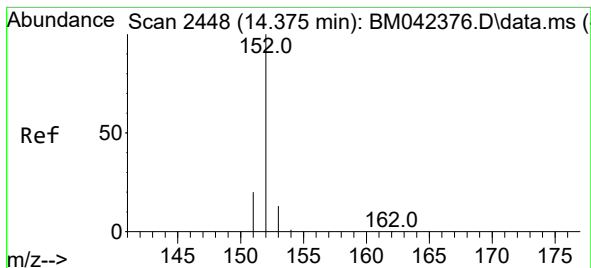
Tgt Ion:142 Resp: 1234
Ion Ratio Lower Upper
142 100
141 89.2 71.9 107.9



#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.709 min Scan# 2112
Delta R.T. 0.006 min
Lab File: BM042380.D
Acq: 20 Oct 2023 12:11

Tgt Ion:142 Resp: 1217
Ion Ratio Lower Upper
142 100
141 92.8 73.7 110.5





#10

Acenaphthylene

Concen: 0.068 ng/ul

RT: 14.384 min Scan# 2448

Delta R.T. 0.005 min

Lab File: BM042380.D

Acq: 20 Oct 2023 12:11

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT4-2023-08

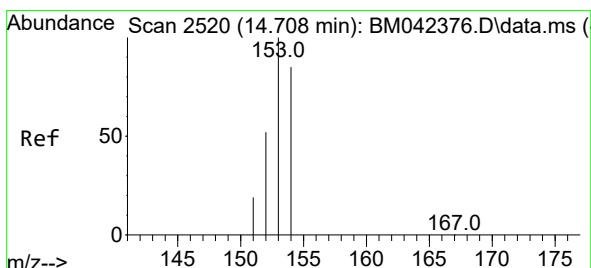
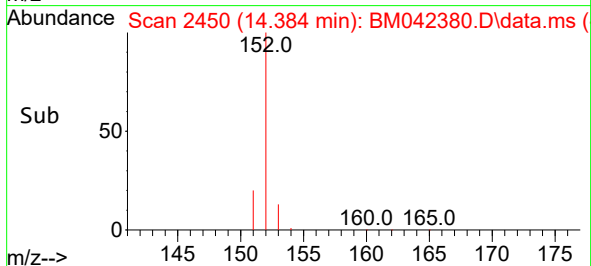
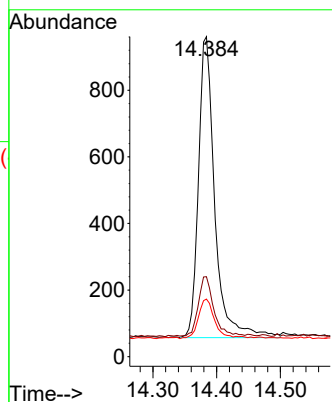
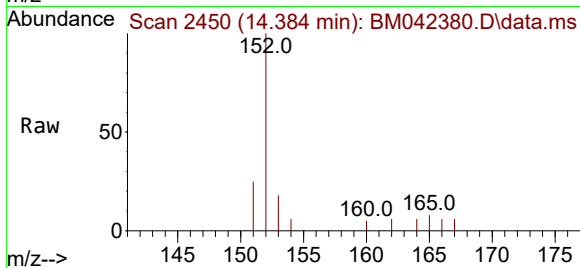
Tgt Ion:152 Resp: 1608

Ion Ratio Lower Upper

152 100

151 25.0 16.2 24.4#

153 18.0 10.8 16.2#



#11

Acenaphthene

Concen: 0.069 ng/ul

RT: 14.717 min Scan# 2522

Delta R.T. 0.000 min

Lab File: BM042380.D

Acq: 20 Oct 2023 12:11

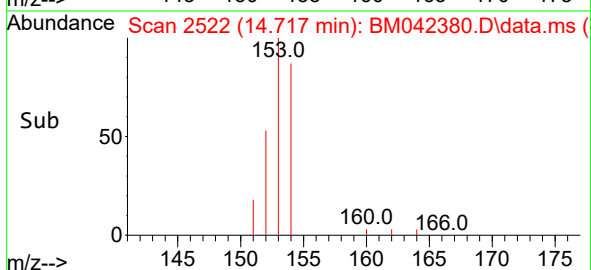
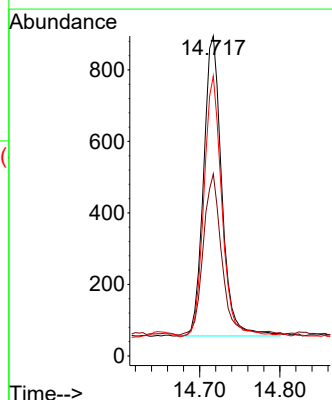
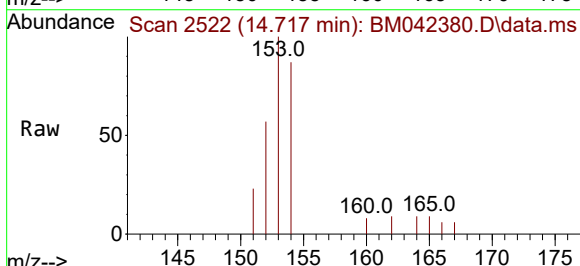
Tgt Ion:153 Resp: 1320

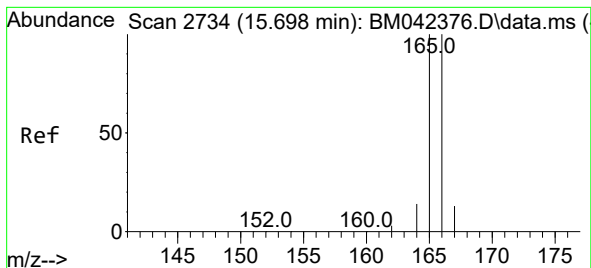
Ion Ratio Lower Upper

153 100

152 56.9 41.7 62.5

154 87.5 70.0 105.0





#12

Fluorene

Concen: 0.066 ng/ul

RT: 15.707 min Scan# 21

Delta R.T. 0.005 min

Lab File: BM042380.D

Acq: 20 Oct 2023 12:11

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT4-2023-08

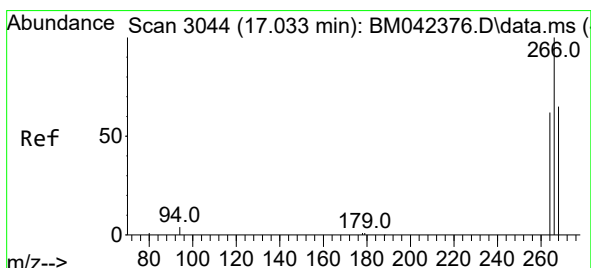
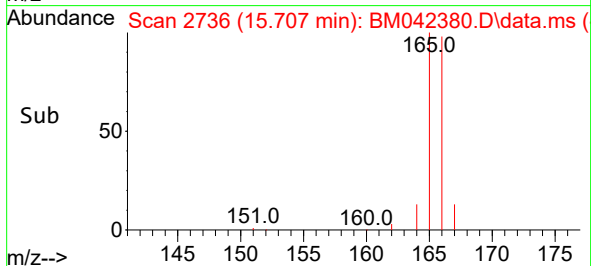
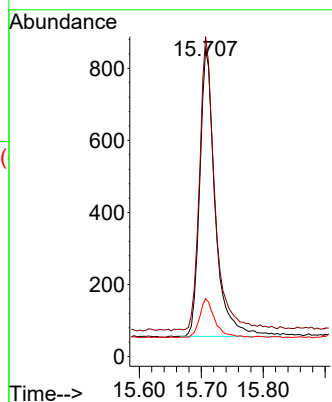
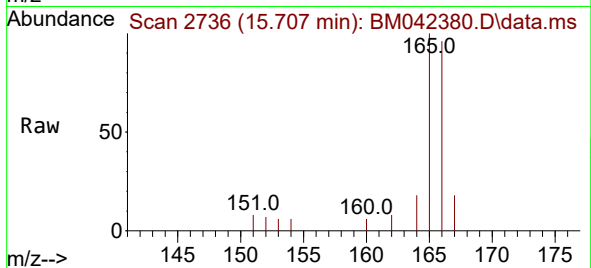
Tgt Ion:166 Resp: 1388

Ion Ratio Lower Upper

166 100

165 103.9 80.3 120.5

167 18.8 11.4 17.2#



#14

Pentachlorophenol

Concen: 0.076 ng/ul

RT: 17.042 min Scan# 3046

Delta R.T. 0.004 min

Lab File: BM042380.D

Acq: 20 Oct 2023 12:11

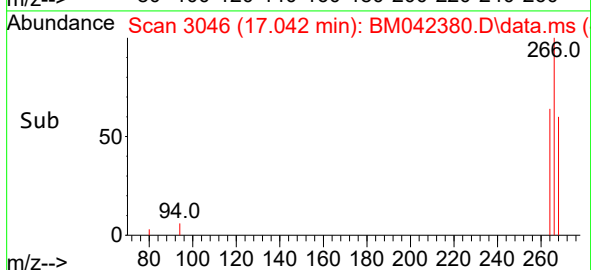
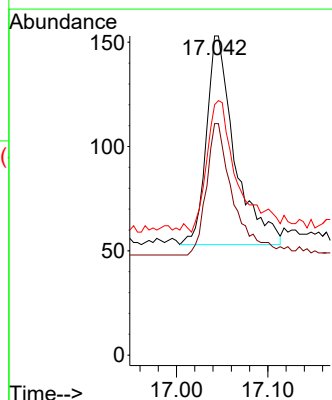
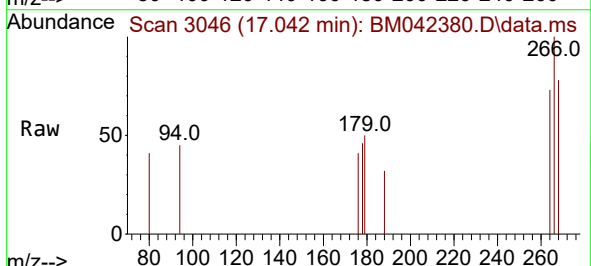
Tgt Ion:266 Resp: 215

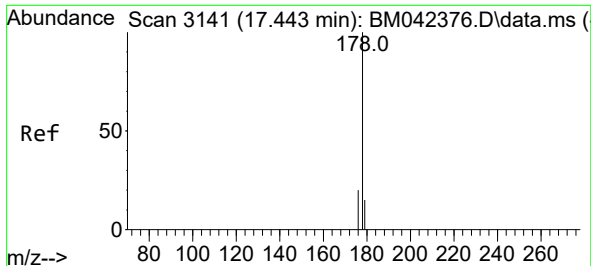
Ion Ratio Lower Upper

266 100

264 60.0 49.8 74.8

268 68.4 51.9 77.9

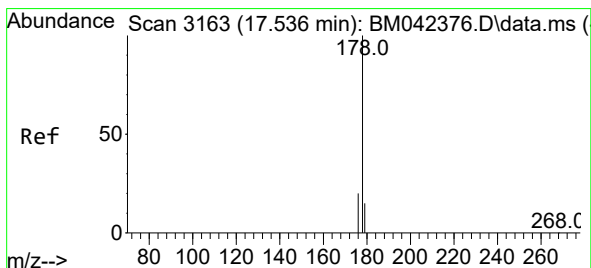
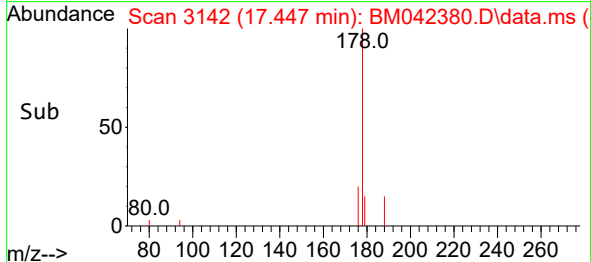
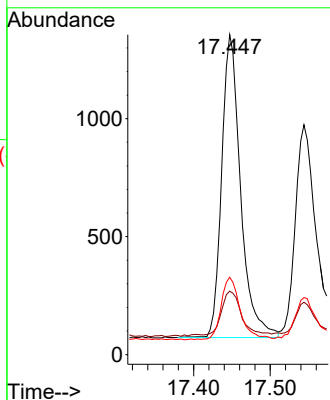
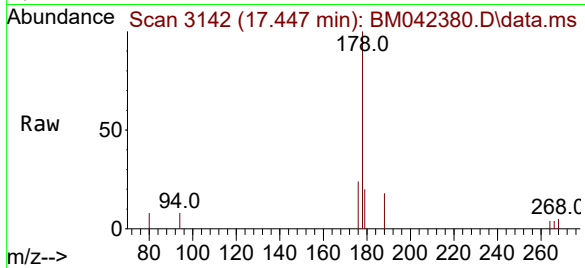




#15
Phenanthrene
Concen: 0.069 ng/ul
RT: 17.447 min Scan# 3142
Delta R.T. 0.000 min
Lab File: BM042380.D
Acq: 20 Oct 2023 12:11

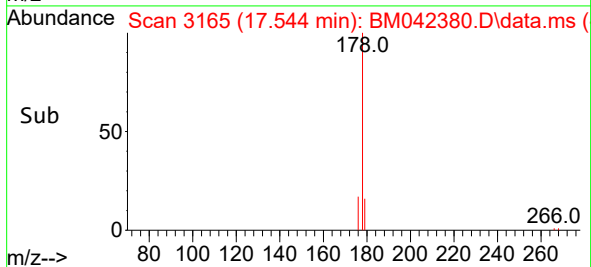
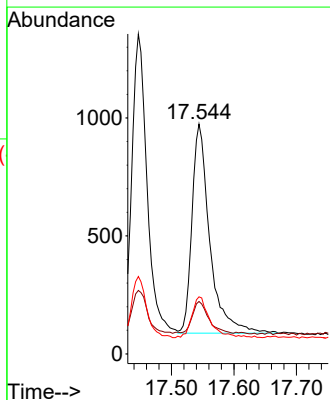
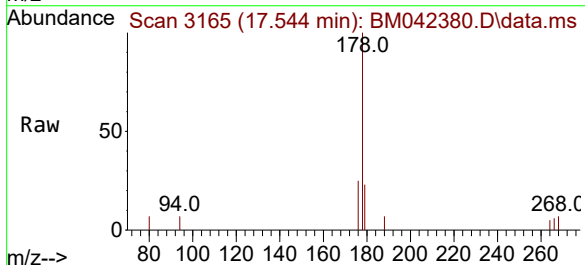
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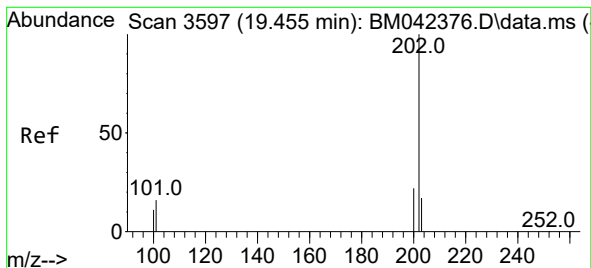
Tgt Ion:178 Resp: 2209
Ion Ratio Lower Upper
178 100
179 19.8 12.6 19.0#
176 24.2 16.4 24.6



#16
Anthracene
Concen: 0.064 ng/ul
RT: 17.544 min Scan# 3165
Delta R.T. 0.009 min
Lab File: BM042380.D
Acq: 20 Oct 2023 12:11

Tgt Ion:178 Resp: 1753
Ion Ratio Lower Upper
178 100
179 22.8 12.9 19.3#
176 24.8 16.4 24.6#





#19

Fluoranthene

Concen: 0.067 ng/ul

RT: 19.455 min Scan# 3597

Delta R.T. 0.000 min

Lab File: BM042380.D

Acq: 20 Oct 2023 12:11

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT4-2023-08

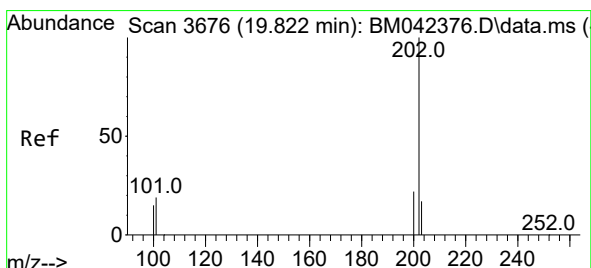
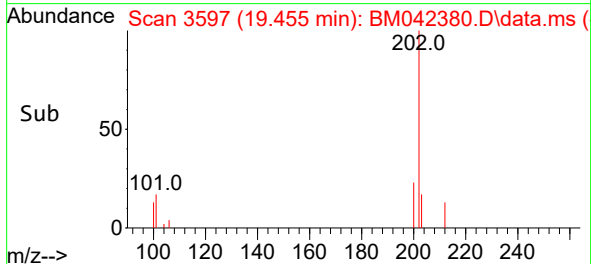
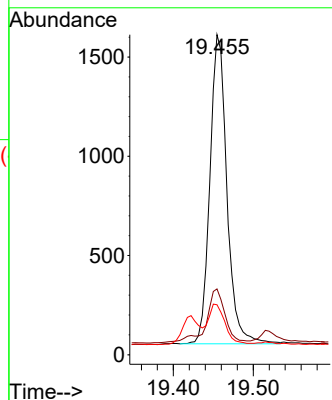
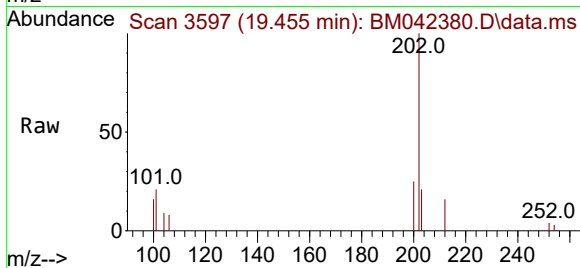
Tgt Ion:202 Resp: 2309

Ion Ratio Lower Upper

202 100

101 20.6 14.0 21.0

100 15.6 10.4 15.6#



#20

Pyrene

Concen: 0.067 ng/ul

RT: 19.822 min Scan# 3676

Delta R.T. 0.000 min

Lab File: BM042380.D

Acq: 20 Oct 2023 12:11

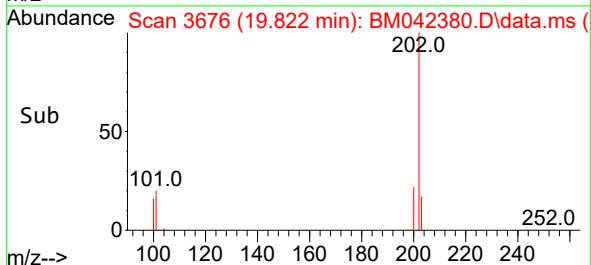
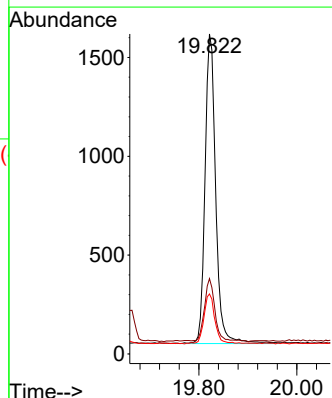
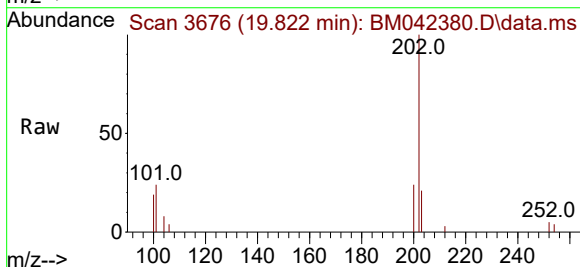
Tgt Ion:202 Resp: 2364

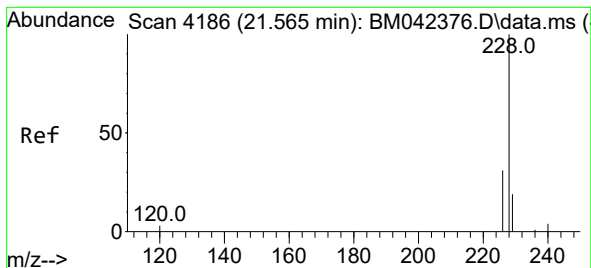
Ion Ratio Lower Upper

202 100

101 23.5 15.8 23.8

100 18.7 12.9 19.3





#21

Benzo(a)anthracene

Concen: 0.068 ng/ul

RT: 21.568 min Scan# 4187

Delta R.T. 0.003 min

Lab File: BM042380.D

Acq: 20 Oct 2023 12:11

Instrument :

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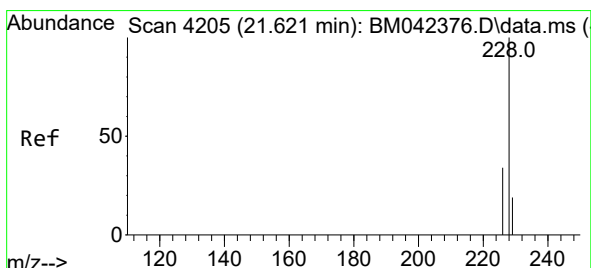
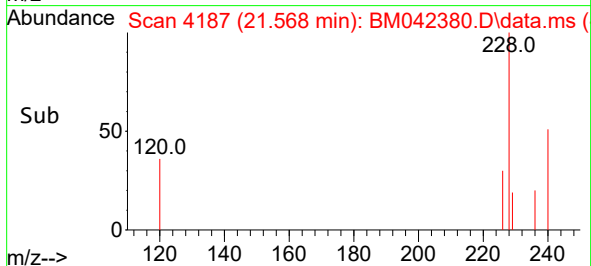
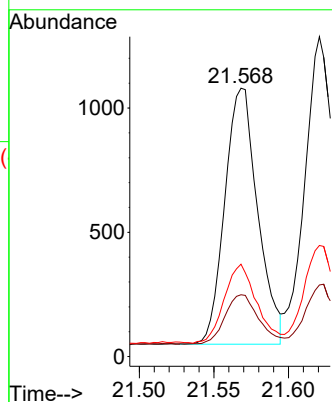
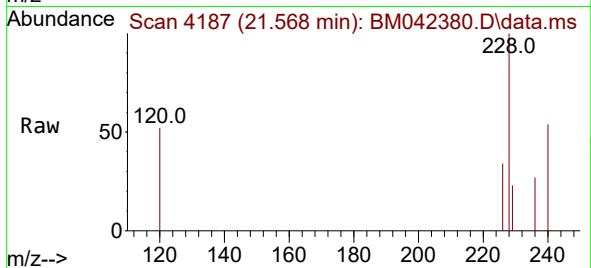
Tgt Ion:228 Resp: 1581

Ion Ratio Lower Upper

228 100

229 23.1 15.6 23.4

226 34.4 24.7 37.1



#22

Chrysene

Concen: 0.074 ng/ul

RT: 21.621 min Scan# 4205

Delta R.T. 0.000 min

Lab File: BM042380.D

Acq: 20 Oct 2023 12:11

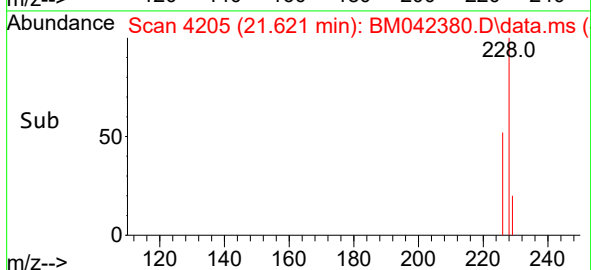
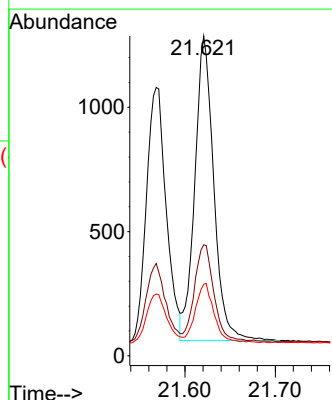
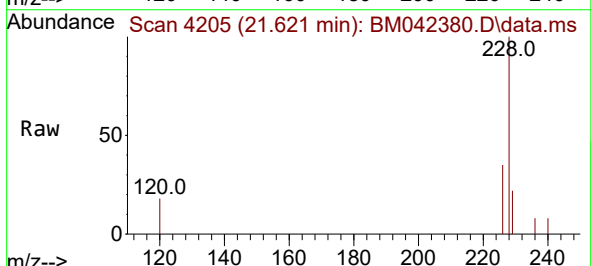
Tgt Ion:228 Resp: 1782

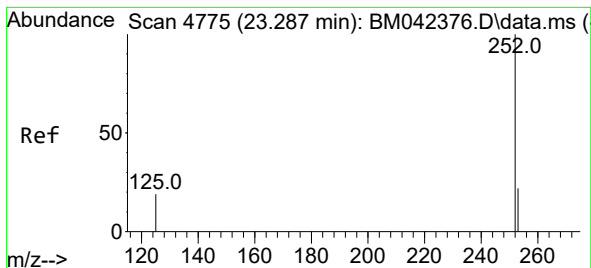
Ion Ratio Lower Upper

228 100

226 34.7 27.1 40.7

229 22.4 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 0.067 ng/ul

RT: 23.287 min Scan# 4775

Delta R.T. 0.003 min

Lab File: BM042380.D

Acq: 20 Oct 2023 12:11

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT4-2023-08

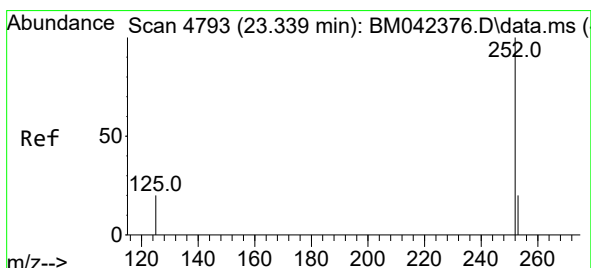
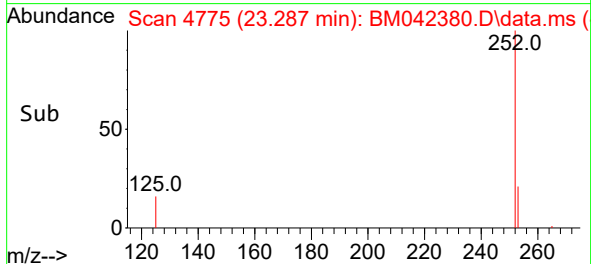
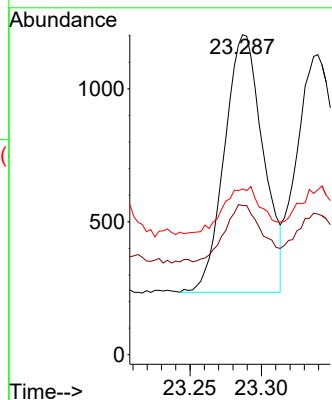
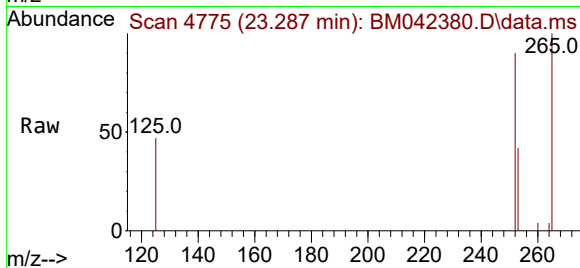
Tgt Ion:252 Resp: 1827

Ion Ratio Lower Upper

252 100

253 46.6 0.0 56.4

125 51.8 0.0 56.0



#25

Benzo(k)fluoranthene

Concen: 0.072 ng/ul

RT: 23.339 min Scan# 4793

Delta R.T. 0.003 min

Lab File: BM042380.D

Acq: 20 Oct 2023 12:11

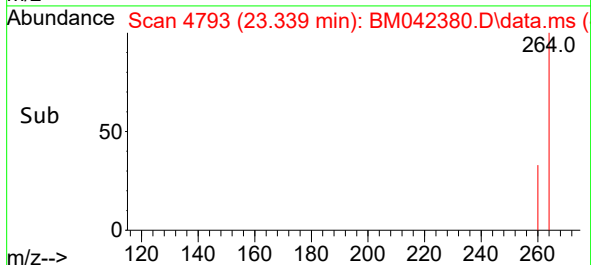
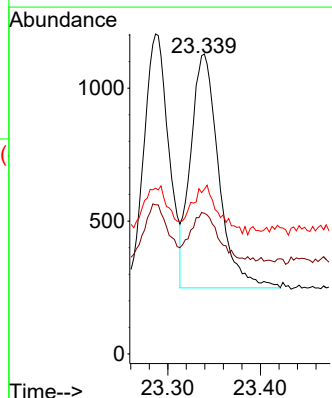
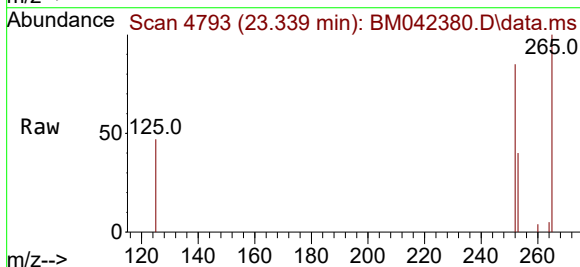
Tgt Ion:252 Resp: 1860

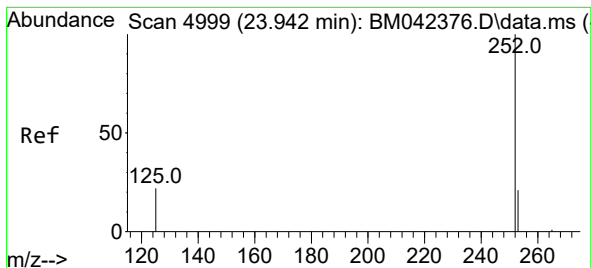
Ion Ratio Lower Upper

252 100

253 46.9 22.7 34.1#

125 54.9 23.0 34.4#





#26

Benzo(a)pyrene

Concen: 0.072 ng/ul

RT: 23.942 min Scan# 4999

Delta R.T. 0.003 min

Lab File: BM042380.D

Acq: 20 Oct 2023 12:11

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT4-2023-08

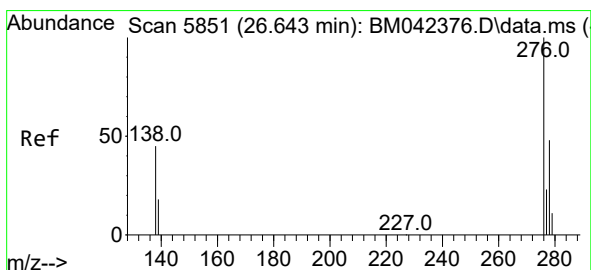
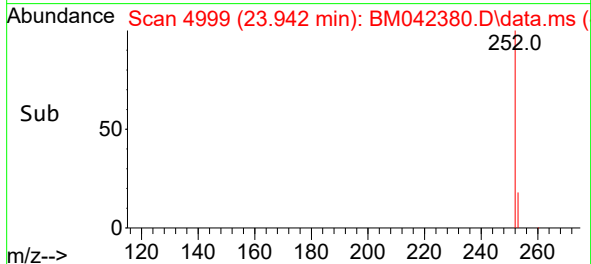
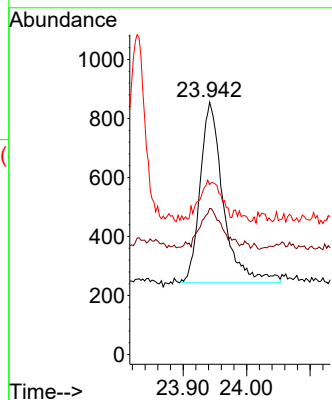
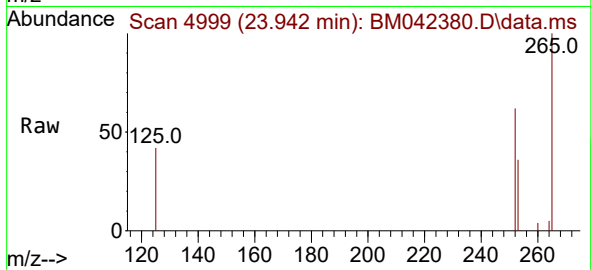
Tgt Ion:252 Resp: 1552

Ion Ratio Lower Upper

252 100

253 57.8 26.3 39.5#

125 67.3 27.7 41.5#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.074 ng/ul

RT: 26.659 min Scan# 5856

Delta R.T. 0.020 min

Lab File: BM042380.D

Acq: 20 Oct 2023 12:11

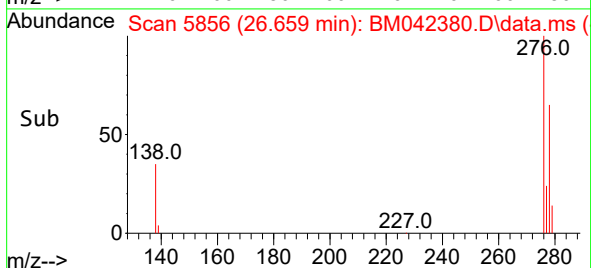
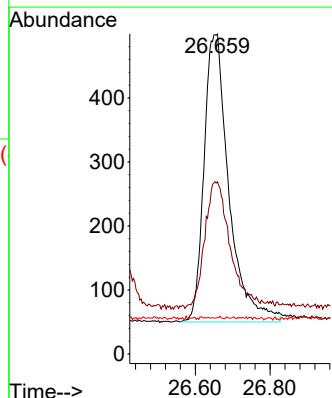
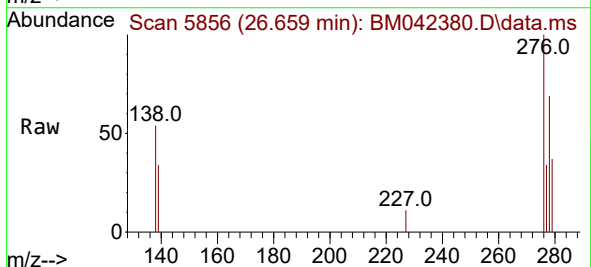
Tgt Ion:276 Resp: 2076

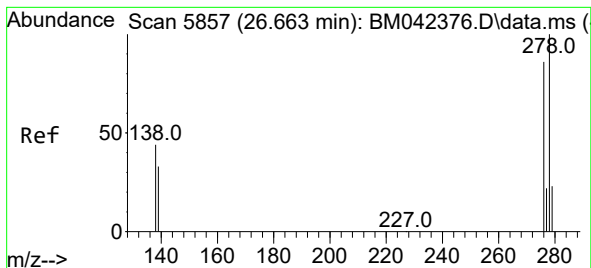
Ion Ratio Lower Upper

276 100

138 45.1 35.9 53.9

227 0.1 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.075 ng/ul

RT: 26.679 min Scan# 5862

Delta R.T. 0.017 min

Lab File: BM042380.D

Acq: 20 Oct 2023 12:11

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT4-2023-08

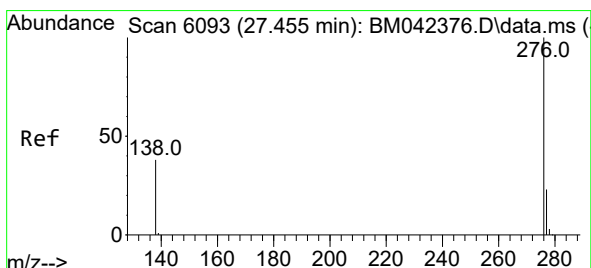
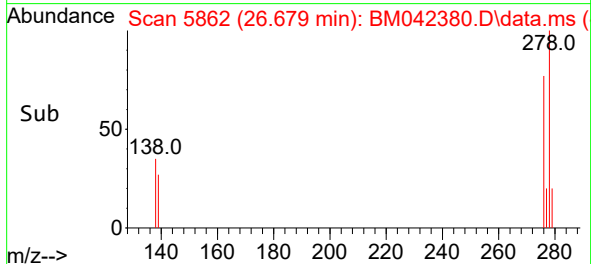
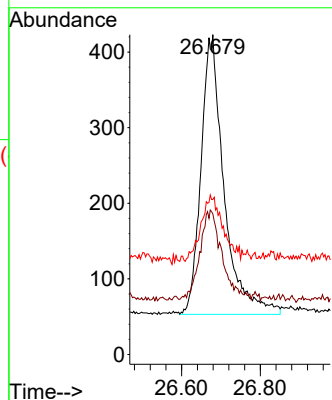
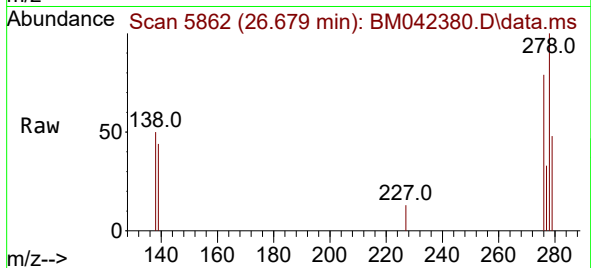
Tgt Ion:278 Resp: 1499

Ion Ratio Lower Upper

278 100

139 44.0 28.1 42.1#

279 48.5 22.9 34.3#



#29

Benzo(g,h,i)perylene

Concen: 0.078 ng/ul

RT: 27.457 min Scan# 6094

Delta R.T. 0.007 min

Lab File: BM042380.D

Acq: 20 Oct 2023 12:11

Tgt Ion:276 Resp: 1864

Ion Ratio Lower Upper

276 100

138 49.8 33.3 49.9

277 34.5 19.9 29.9#

