

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090622\
 Data File : BM036500.D
 Acq On : 06 Sep 2022 14:09
 Operator : CG/JU
 Sample : N3670-03
 Misc : SFAM-SIM-MDL-SOIL01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT2-2022-03

Quant Time: Sep 06 14:43:17 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM083022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 06 13:54:00 2022
 Response via : Initial Calibration

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

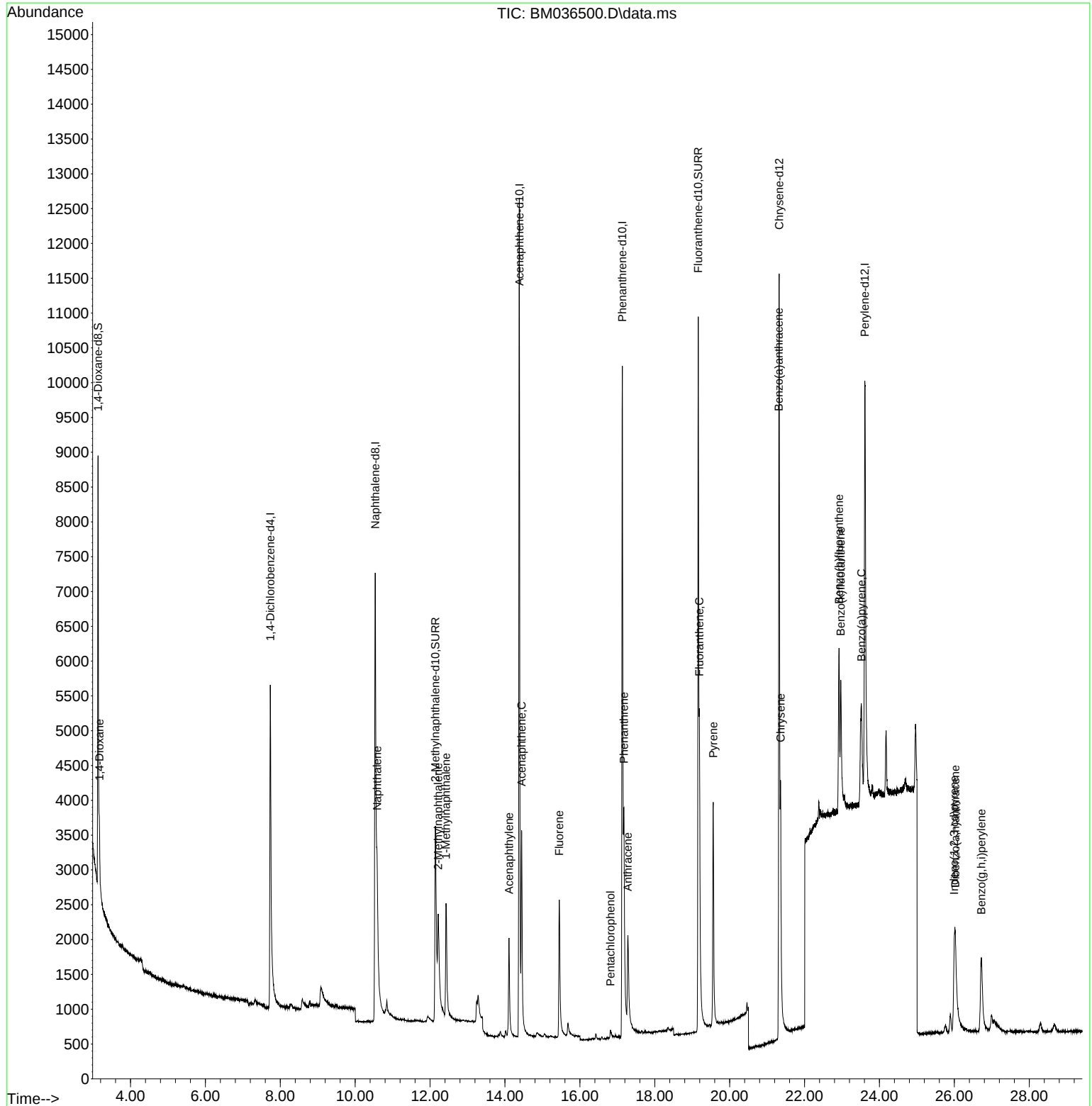
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.733	152	3658	0.400	ng/ul	0.00
4) Naphthalene-d8	10.535	136	15481	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.382	164	7941	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.133	188	15156	0.400	ng/ul	0.00
17) Chrysene-d12	21.321	240	12284	0.400	ng/ul	0.00
23) Perylene-d12	23.610	264	10484	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.134	96	4210	0.792	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.141	152	7463	0.309	ng/ul	0.01
18) Fluoranthene-d10	19.160	212	14428	0.377	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.172	88	447	0.089	ng/ul#	64
5) Naphthalene	10.585	128	3114	0.073	ng/ul#	91
7) 2-Methylnaphthalene	12.218	142	1808	0.070	ng/ul	96
8) 1-Methylnaphthalene	12.427	142	1681	0.064	ng/ul	98
10) Acenaphthylene	14.109	152	2339	0.078	ng/ul#	92
11) Acenaphthene	14.442	153	1973	0.074	ng/ul	98
12) Fluorene	15.451	166	2056	0.069	ng/ul#	98
14) Pentachlorophenol	16.820	266	173	0.063	ng/ul	95
15) Phenanthrene	17.175	178	3384	0.077	ng/ul#	92
16) Anthracene	17.281	178	2481	0.067	ng/ul#	88
19) Fluoranthene	19.193	202	3746	0.085	ng/ul#	95
20) Pyrene	19.560	202	3827	0.084	ng/ul	95
21) Benzo(a)anthracene	21.312	228	2515	0.068	ng/ul	96
22) Chrysene	21.359	228	3288	0.079	ng/ul	97
24) Benzo(b)fluoranthene	22.920	252	3183	0.076	ng/ul	69
25) Benzo(k)fluoranthene	22.966	252	2863	0.069	ng/ul#	68
26) Benzo(a)pyrene	23.519	252	3069	0.090	ng/ul#	59
27) Indeno(1,2,3-cd)pyrene	25.997	276	3176	0.078	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.024	278	2440	0.070	ng/ul#	67
29) Benzo(g,h,i)perylene	26.718	276	3094	0.080	ng/ul#	93

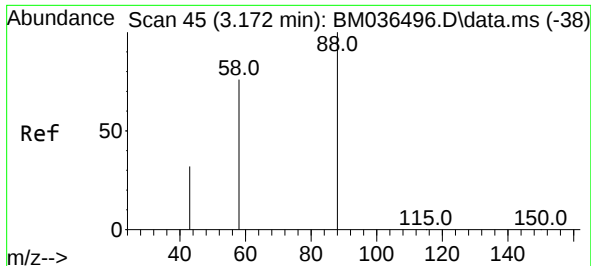
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

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Quant Time: Sep 06 14:43:17 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM083022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 06 13:54:00 2022
Response via : Initial Calibration

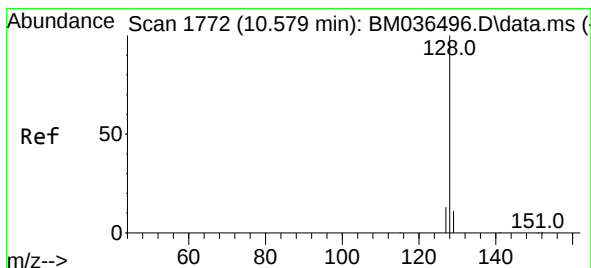
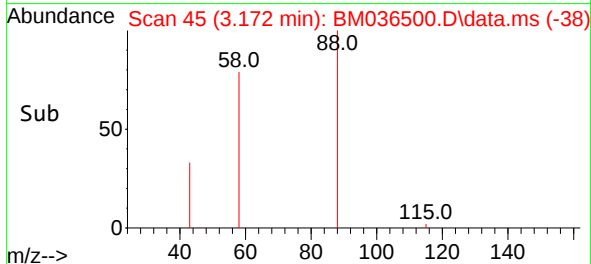
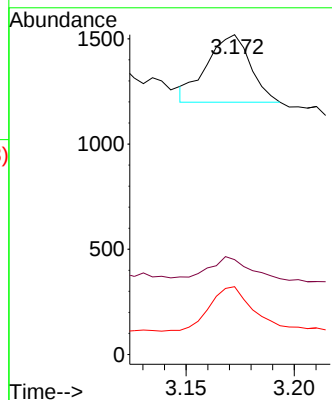
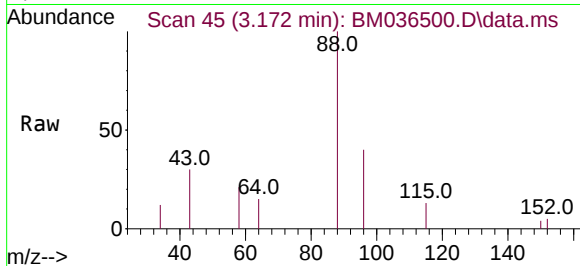




#2
1,4-Dioxane
Concen: 0.089 ng/ul
RT: 3.172 min Scan# 45
Delta R.T. 0.000 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

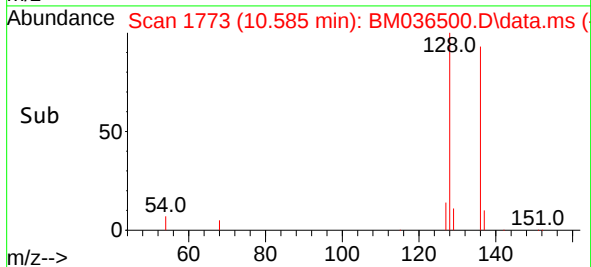
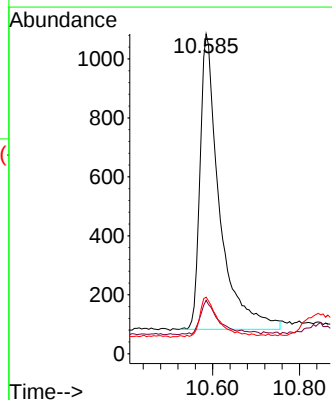
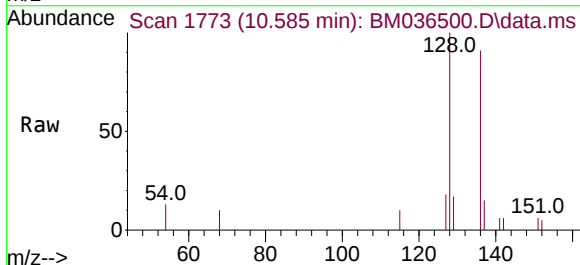
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BNA_M
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MDL-SOIL-QT2-2022-03

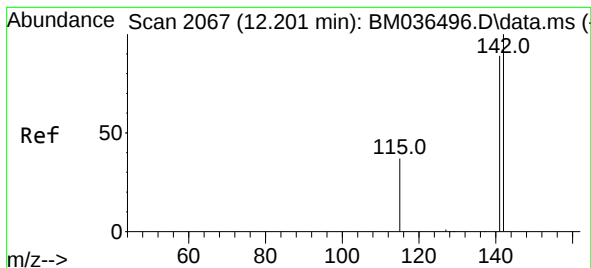
Tgt Ion: 88 Resp: 447
Ion Ratio Lower Upper
88 100
43 29.7 37.8 56.6#
58 21.2 42.6 63.8#



#5
Naphthalene
Concen: 0.073 ng/ul
RT: 10.585 min Scan# 1773
Delta R.T. 0.006 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

Tgt Ion: 128 Resp: 3114
Ion Ratio Lower Upper
128 100
129 16.7 10.2 15.2#
127 17.7 11.7 17.5#

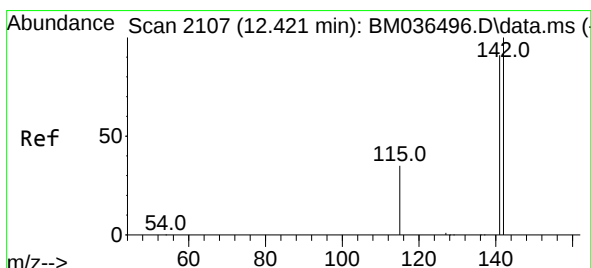
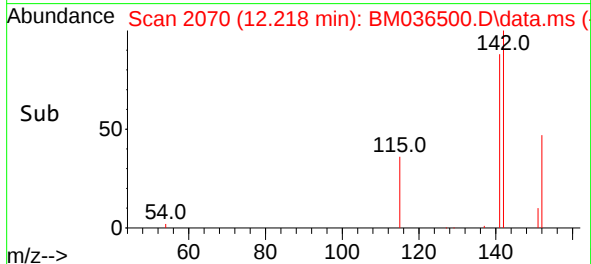
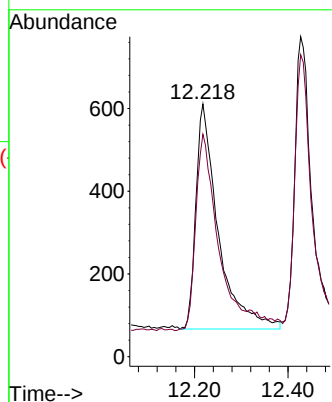
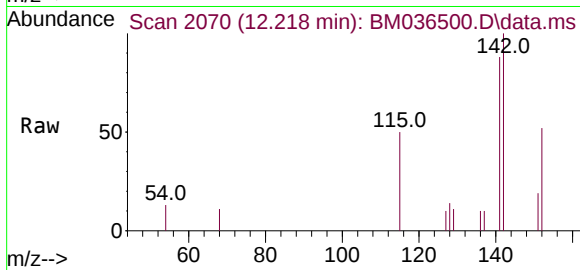




#7
2-Methylnaphthalene
Concen: 0.070 ng/ul
RT: 12.218 min Scan# 2067
Delta R.T. 0.017 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

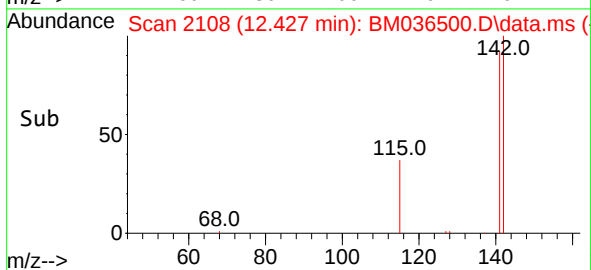
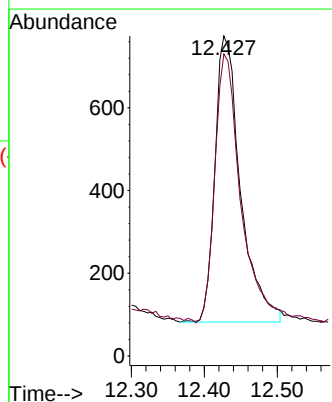
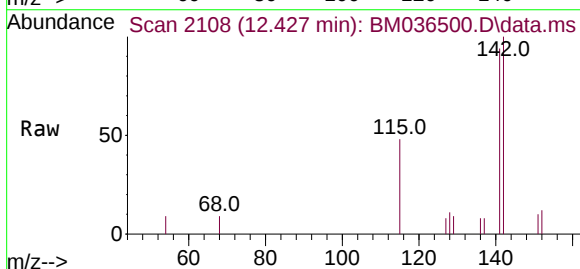
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-03

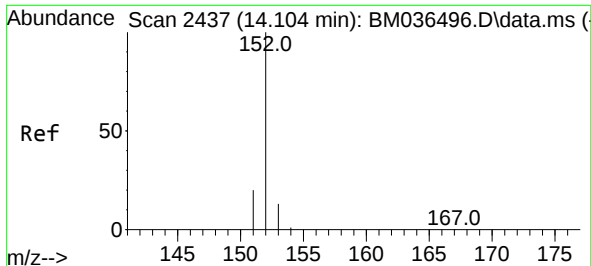
Tgt Ion:142 Resp: 1808
Ion Ratio Lower Upper
142 100
141 93.0 77.4 116.0



#8
1-Methylnaphthalene
Concen: 0.064 ng/ul
RT: 12.427 min Scan# 2108
Delta R.T. 0.006 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

Tgt Ion:142 Resp: 1681
Ion Ratio Lower Upper
142 100
141 94.9 74.1 111.1

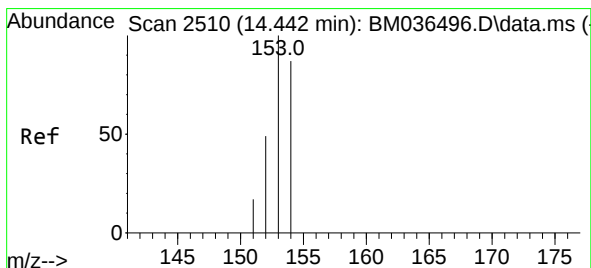
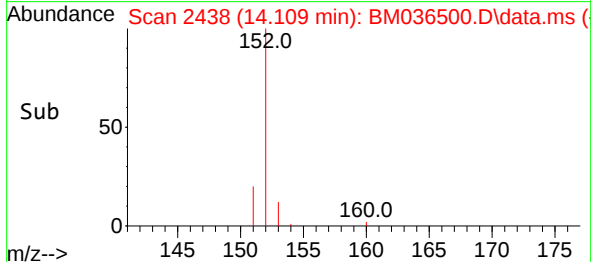
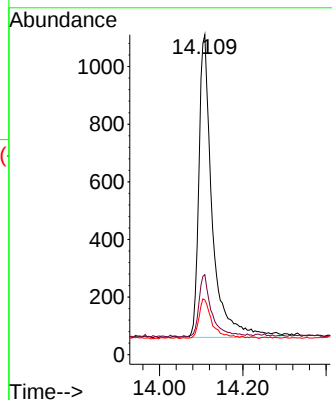
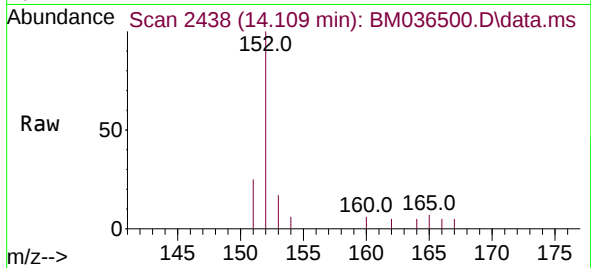




#10
Acenaphthylene
Concen: 0.078 ng/ul
RT: 14.109 min Scan# 2437
Delta R.T. 0.005 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

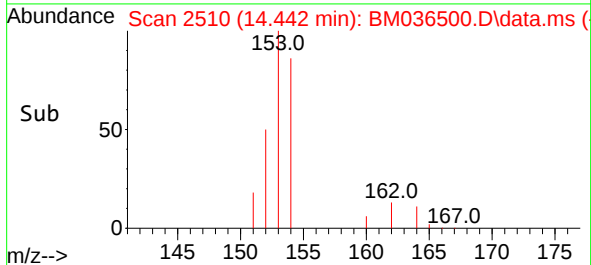
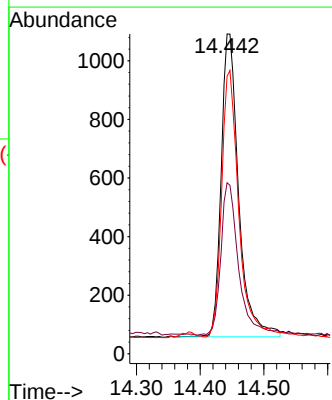
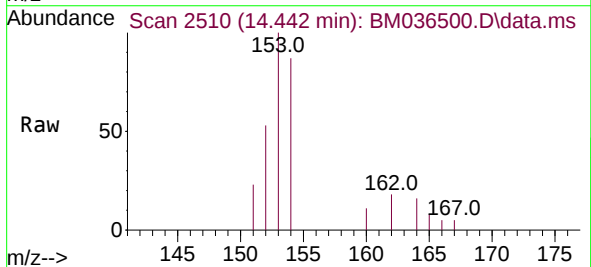
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-03

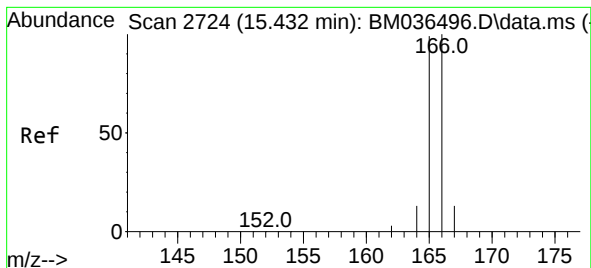
Tgt Ion:152 Resp: 2339
Ion Ratio Lower Upper
152 100
151 25.0 16.6 24.8#
153 17.1 11.4 17.0#



#11
Acenaphthene
Concen: 0.074 ng/ul
RT: 14.442 min Scan# 2510
Delta R.T. 0.000 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

Tgt Ion:153 Resp: 1973
Ion Ratio Lower Upper
153 100
152 53.5 40.2 60.4
154 86.7 69.7 104.5





#12

Fluorene

Concen: 0.069 ng/ul

RT: 15.451 min Scan# 21

Delta R.T. 0.019 min

Lab File: BM036500.D

Acq: 06 Sep 2022 14:09

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2022-03

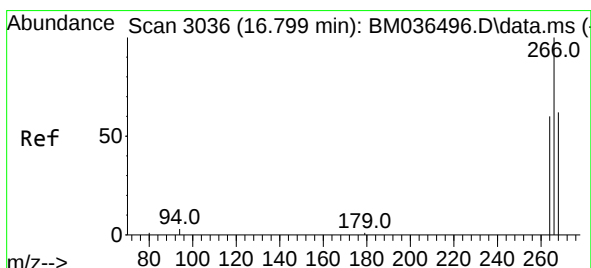
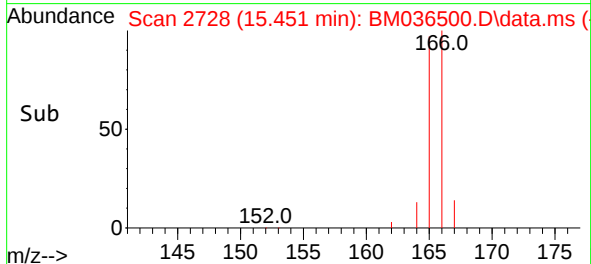
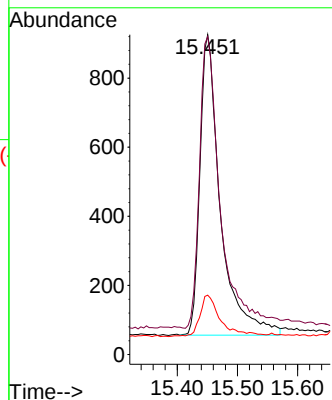
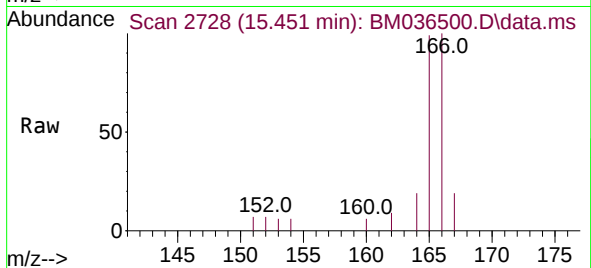
Tgt Ion:166 Resp: 2056

Ion Ratio Lower Upper

166 100

165 99.4 78.9 118.3

167 18.6 11.3 16.9#



#14

Pentachlorophenol

Concen: 0.063 ng/ul

RT: 16.820 min Scan# 3041

Delta R.T. 0.021 min

Lab File: BM036500.D

Acq: 06 Sep 2022 14:09

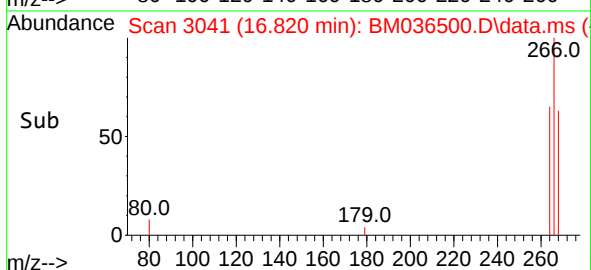
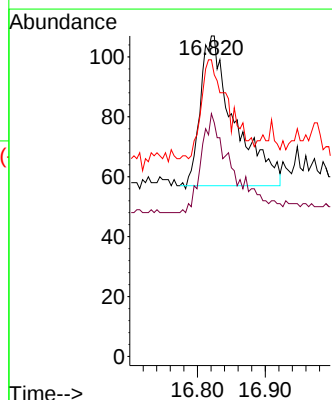
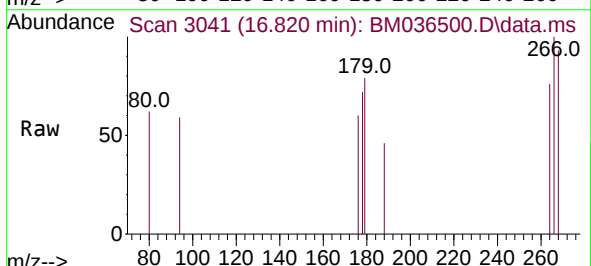
Tgt Ion:266 Resp: 173

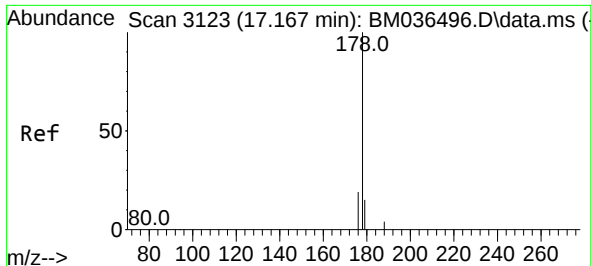
Ion Ratio Lower Upper

266 100

264 60.1 50.3 75.5

268 61.8 53.5 80.3

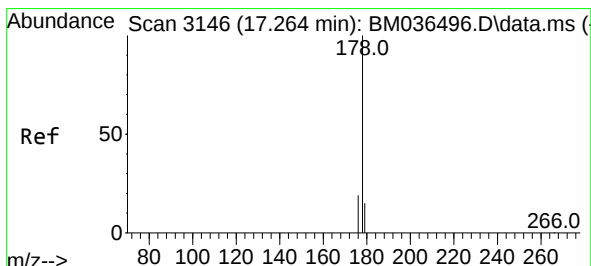
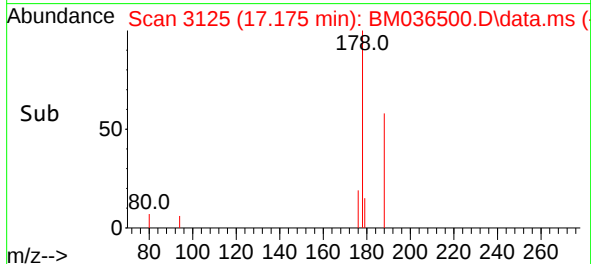
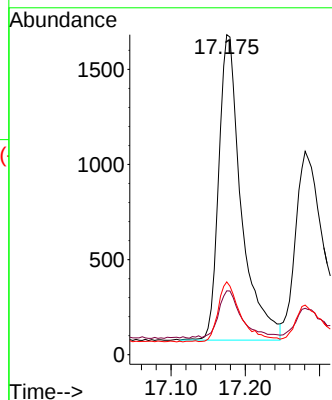
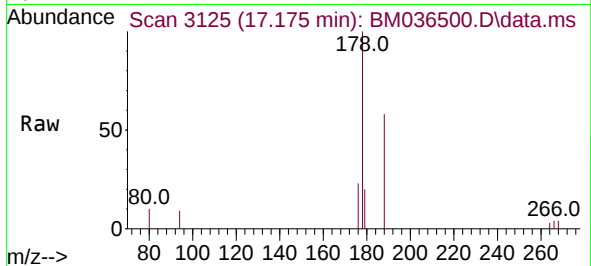




#15
Phenanthrene
Concen: 0.077 ng/ul
RT: 17.175 min Scan# 3125
Delta R.T. 0.009 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

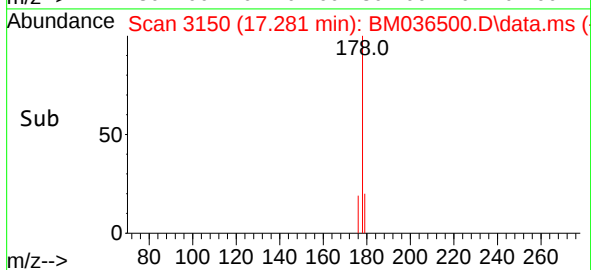
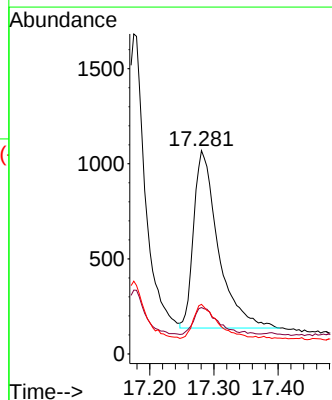
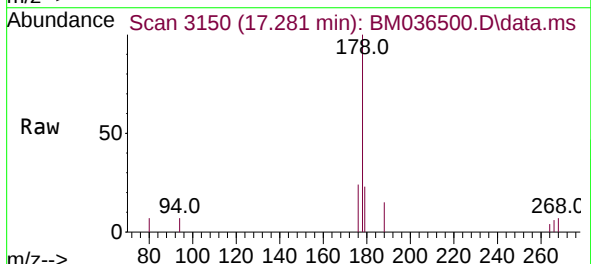
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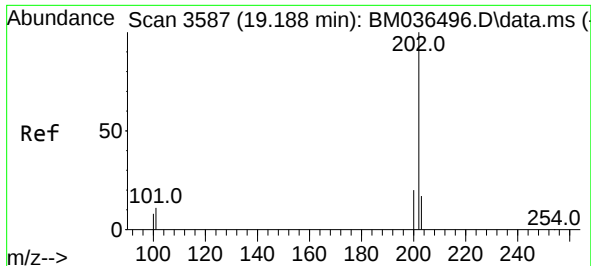
Tgt Ion:178 Resp: 3384
Ion Ratio Lower Upper
178 100
179 20.0 13.0 19.6#
176 22.8 15.6 23.4



#16
Anthracene
Concen: 0.067 ng/ul
RT: 17.281 min Scan# 3150
Delta R.T. 0.017 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

Tgt Ion:178 Resp: 2481
Ion Ratio Lower Upper
178 100
179 22.8 13.6 20.4#
176 24.4 15.6 23.4#

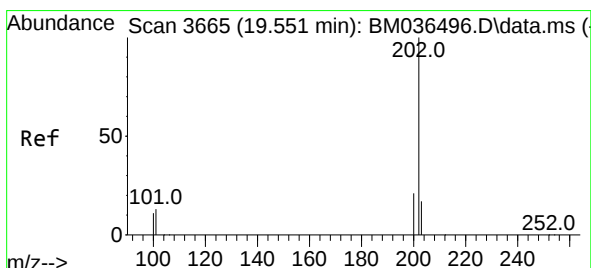
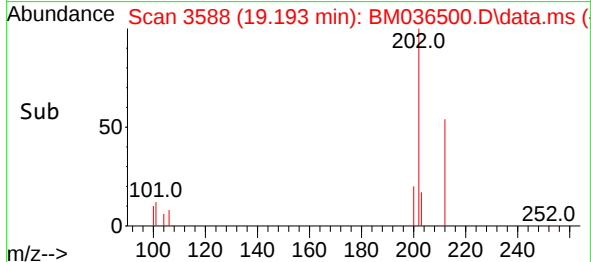
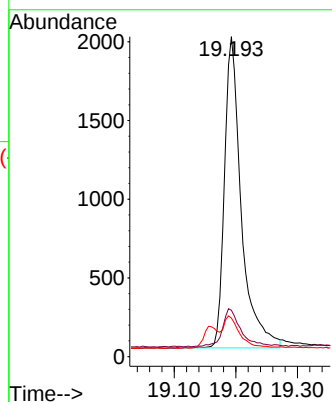
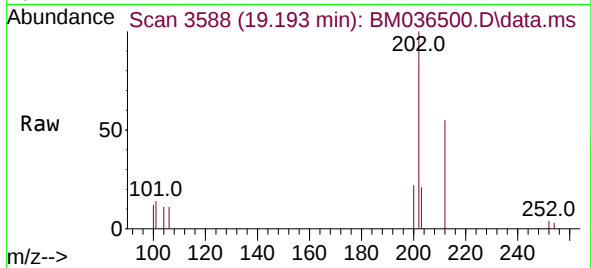




#19
Fluoranthene
Concen: 0.085 ng/ul
RT: 19.193 min Scan# 3588
Delta R.T. 0.005 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

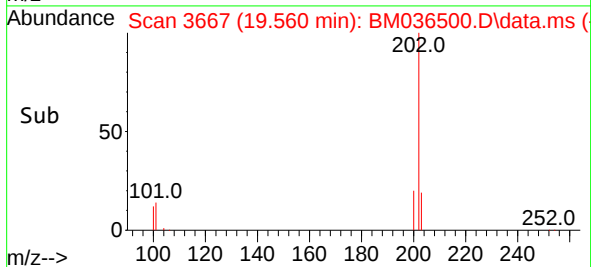
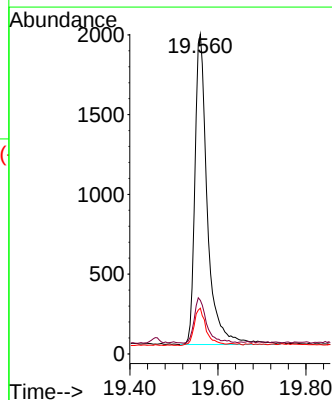
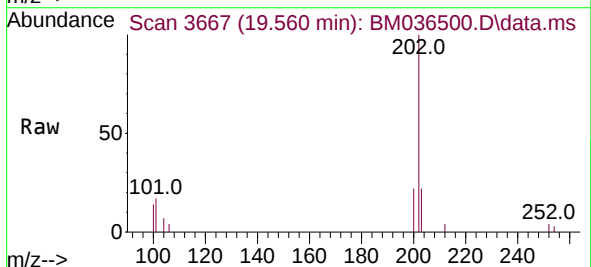
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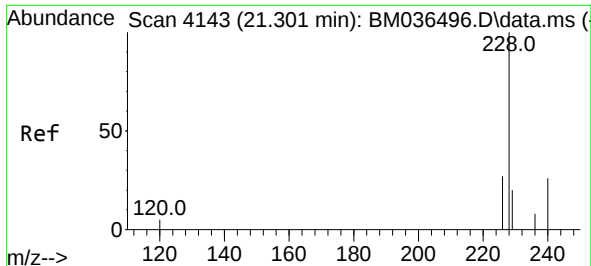
Tgt Ion:202 Resp: 3746
Ion Ratio Lower Upper
202 100
101 14.5 10.1 15.1
100 12.0 7.9 11.9#



#20
Pyrene
Concen: 0.084 ng/ul
RT: 19.560 min Scan# 3667
Delta R.T. 0.009 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

Tgt Ion:202 Resp: 3827
Ion Ratio Lower Upper
202 100
101 16.7 12.0 18.0
100 14.3 9.8 14.6

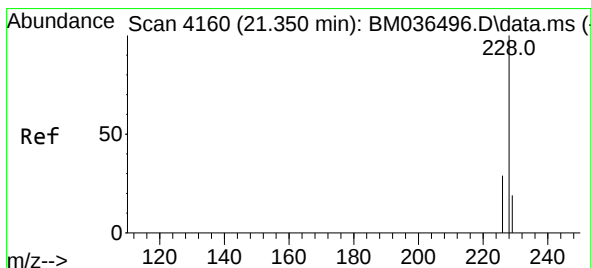
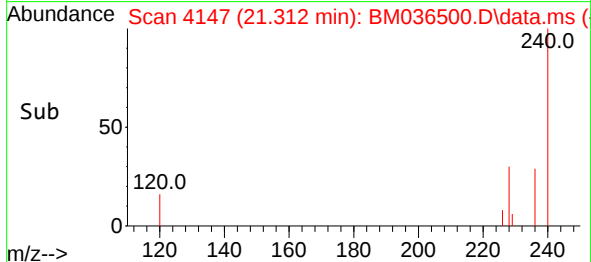
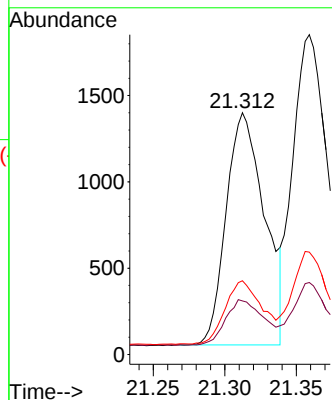
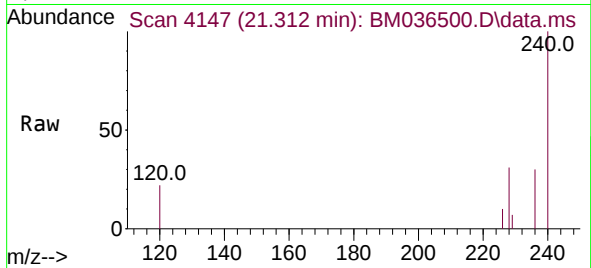




#21
Benzo(a)anthracene
Concen: 0.068 ng/u1
RT: 21.312 min Scan# 4147
Delta R.T. 0.012 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

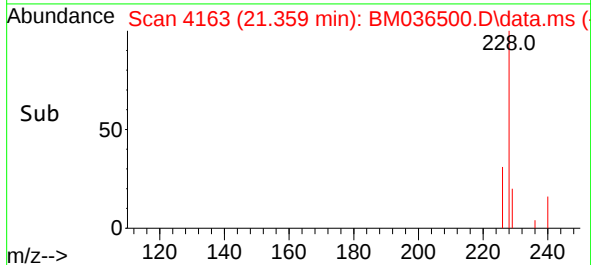
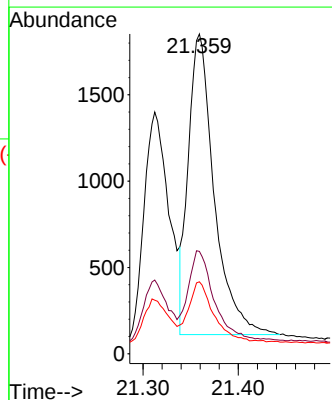
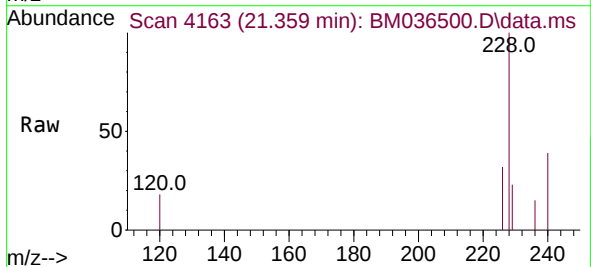
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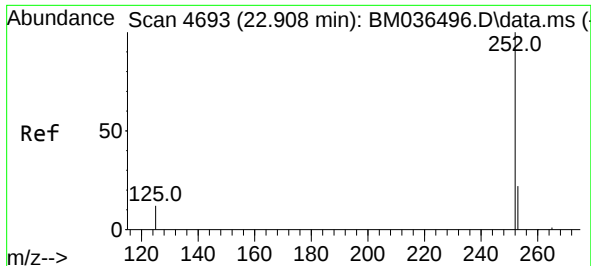
Tgt Ion:228 Resp: 2515
Ion Ratio Lower Upper
228 100
229 22.2 16.2 24.2
226 30.5 22.5 33.7



#22
Chrysene
Concen: 0.079 ng/u1
RT: 21.359 min Scan# 4163
Delta R.T. 0.009 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

Tgt Ion:228 Resp: 3288
Ion Ratio Lower Upper
228 100
226 32.0 24.6 37.0
229 22.5 16.4 24.6

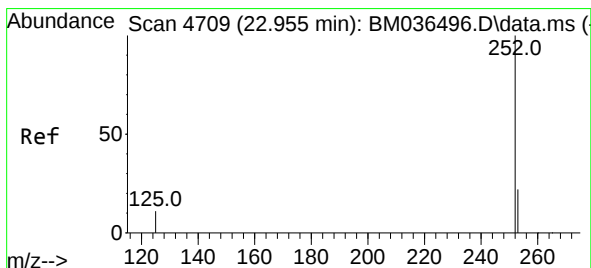
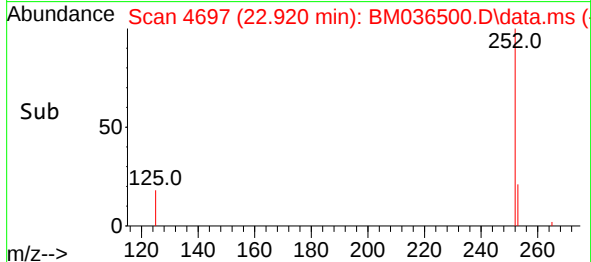
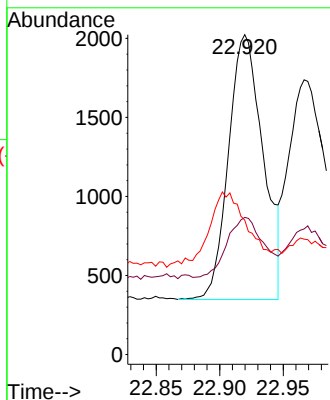
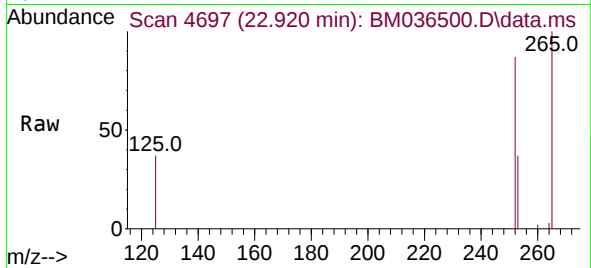




#24
Benzo(b)fluoranthene
Concen: 0.076 ng/ul
RT: 22.920 min Scan# 4697
Delta R.T. 0.012 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

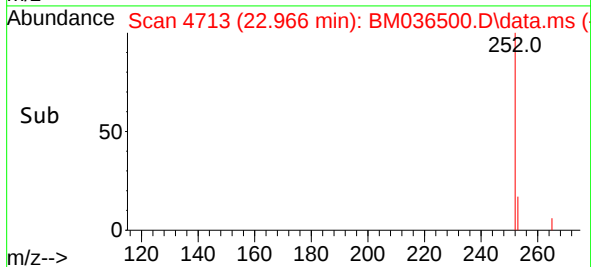
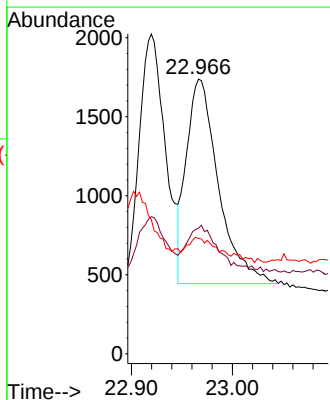
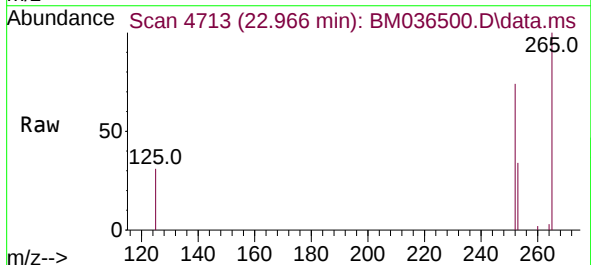
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-03

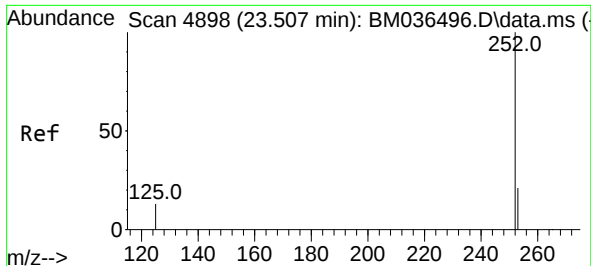
Tgt Ion:252 Resp: 3183
Ion Ratio Lower Upper
252 100
253 42.9 0.0 61.4
125 42.0 0.0 42.6



#25
Benzo(k)fluoranthene
Concen: 0.069 ng/ul
RT: 22.966 min Scan# 4713
Delta R.T. 0.012 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

Tgt Ion:252 Resp: 2863
Ion Ratio Lower Upper
252 100
253 45.7 25.2 37.8#
125 42.0 18.3 27.5#

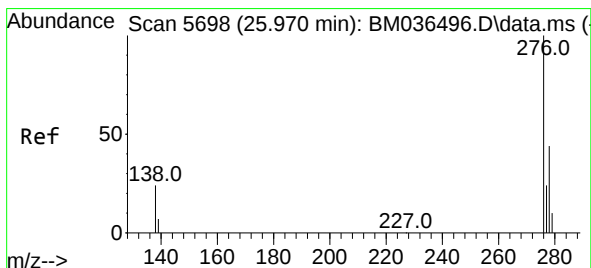
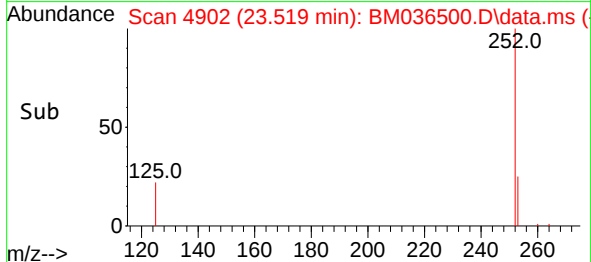
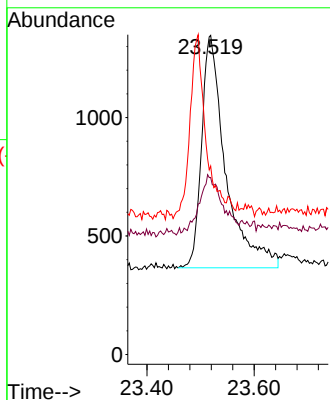
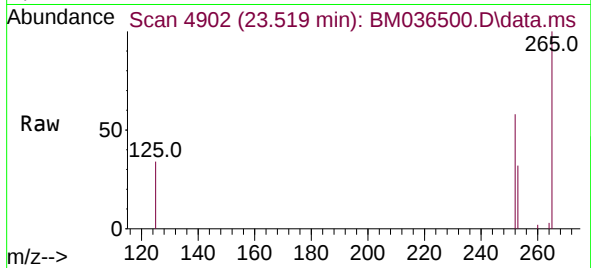




#26
Benzo(a)pyrene
Concen: 0.090 ng/ul
RT: 23.519 min Scan# 4902
Delta R.T. 0.012 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

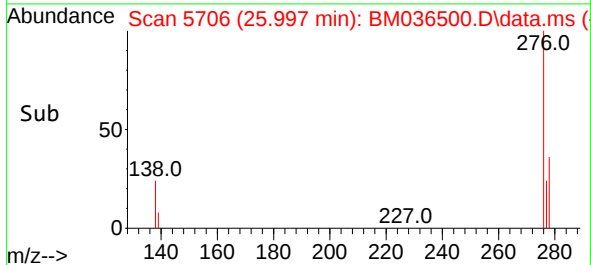
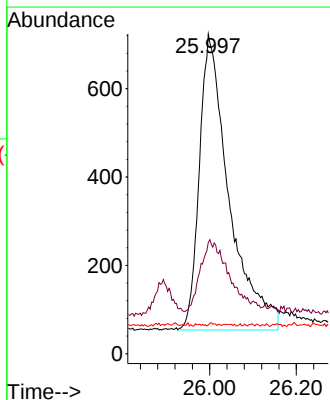
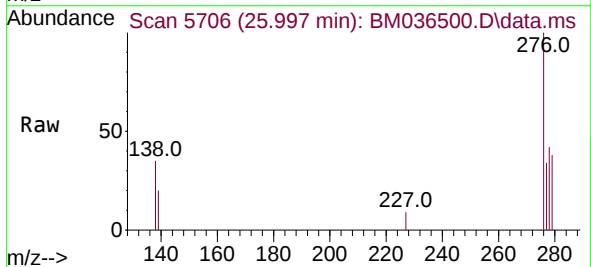
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-03

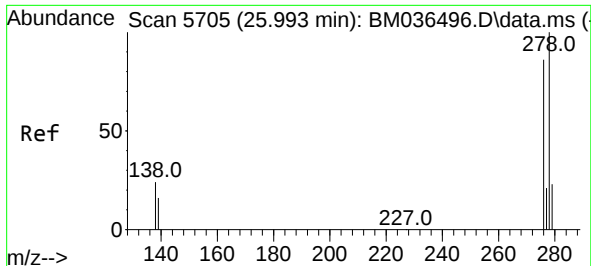
Tgt Ion:252 Resp: 3069
Ion Ratio Lower Upper
252 100
253 55.5 29.7 44.5#
125 59.0 23.6 35.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.078 ng/ul
RT: 25.997 min Scan# 5706
Delta R.T. 0.027 min
Lab File: BM036500.D
Acq: 06 Sep 2022 14:09

Tgt Ion:276 Resp: 3176
Ion Ratio Lower Upper
276 100
138 25.5 23.9 35.9
227 0.2 0.1 0.1#

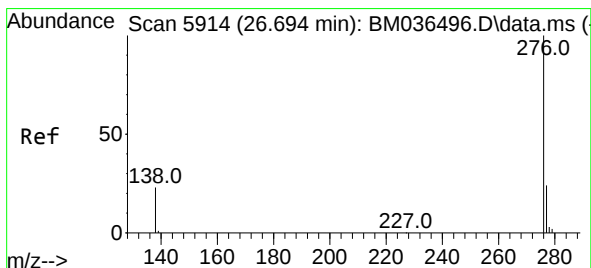
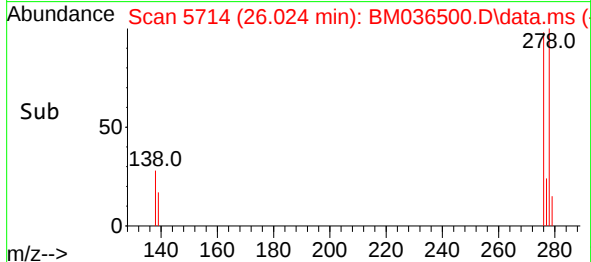
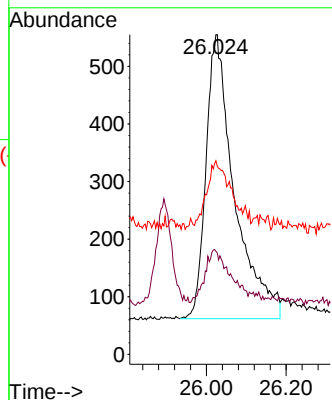
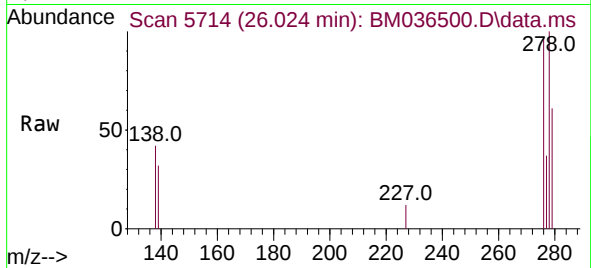




#28
 Dibenzo(a,h)anthracene
 Concen: 0.070 ng/ul
 RT: 26.024 min Scan# 51
 Delta R.T. 0.030 min
 Lab File: BM036500.D
 Acq: 06 Sep 2022 14:09

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT2-2022-03

Tgt Ion:278 Resp: 2440
 Ion Ratio Lower Upper
 278 100
 139 32.3 19.8 29.6#
 279 60.5 27.7 41.5#



#29
 Benzo(g,h,i)perylene
 Concen: 0.080 ng/ul
 RT: 26.718 min Scan# 5921
 Delta R.T. 0.024 min
 Lab File: BM036500.D
 Acq: 06 Sep 2022 14:09

Tgt Ion:276 Resp: 3094
 Ion Ratio Lower Upper
 276 100
 138 30.9 23.4 35.0
 277 31.6 21.0 31.4#

