

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110720\
 Data File : BM027741.D
 Acq On : 07 Nov 2020 02:47
 Operator : JU/CG
 Sample : L4485-06
 Misc : SFAM-SIM-MDL-S-07
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-06

Quant Time: Nov 07 03:28:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM110520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:24:33 2020
 Response via : Initial Calibration

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

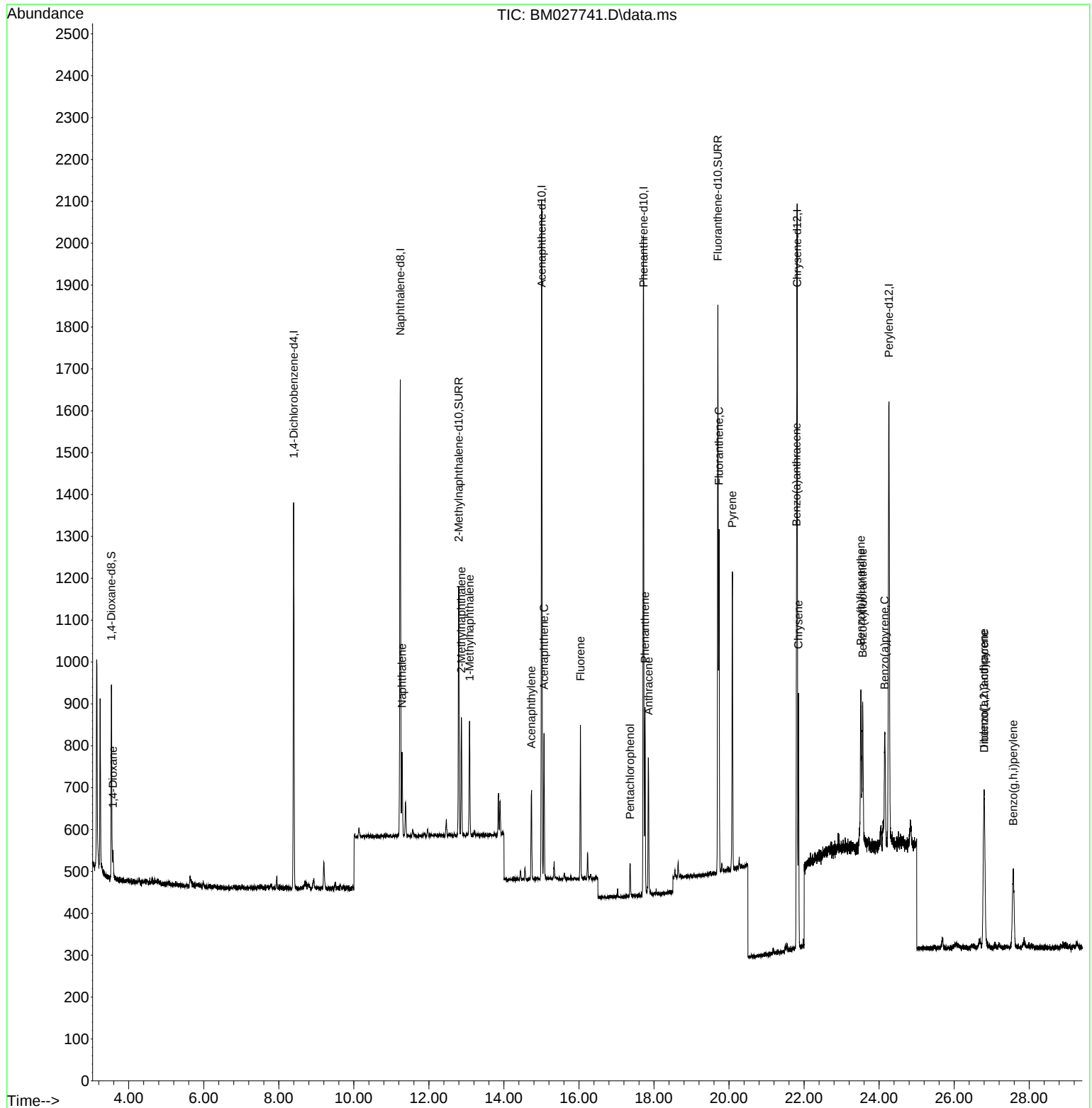
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.397	152	436	0.40	ng/ul	0.00
4) Naphthalene-d8	11.238	136	1424	0.40	ng/ul	0.00
9) Acenaphthene-d10	15.009	164	893	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.721	188	1950	0.40	ng/ul	0.00
19) Chrysene-d12	21.815	240	1658	0.40	ng/ul	0.00
23) Perylene-d12	24.262	264	1514	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.539	96	254	0.57	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.794	152	699	0.30	ng/ul	0.00
17) Fluoranthene-d10	19.703	212	1522	0.29	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.577	88	38	0.08	ng/ul#	83
5) Naphthalene	11.283	128	269	0.07	ng/ul#	62
7) 2-Methylnaphthalene	12.866	142	186	0.07	ng/ul	97
8) 1-Methylnaphthalene	13.086	142	172	0.07	ng/ul	99
10) Acenaphthylene	14.732	152	247	0.06	ng/ul#	69
11) Acenaphthene	15.069	153	192	0.06	ng/ul	94
12) Fluorene	16.040	166	225	0.06	ng/ul#	94
14) Pentachlorophenol	17.360	266	56	0.09	ng/ul	95
15) Phenanthrene	17.759	178	456	0.08	ng/ul#	84
16) Anthracene	17.853	178	368	0.07	ng/ul#	76
18) Fluoranthene	19.733	202	688	0.10	ng/ul#	85
20) Pyrene	20.088	202	650	0.10	ng/ul#	87
21) Benzo(a)anthracene	21.798	228	530	0.09	ng/ul#	87
22) Chrysene	21.849	228	547	0.09	ng/ul#	88
24) Benzo(b)fluoranthene	23.513	252	559	0.09	ng/ul#	68
25) Benzo(k)fluoranthene	23.561	252	477	0.08	ng/ul#	62
26) Benzo(a)pyrene	24.150	252	473	0.09	ng/ul#	61
27) Indeno(1,2,3-cd)pyrene	26.794	276	514	0.08	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.801	278	393	0.07	ng/ul#	61
29) Benzo(g,h,i)perylene	27.579	276	454	0.08	ng/ul#	71

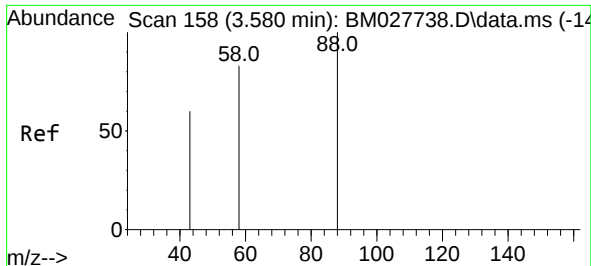
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 07 03:28:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM110520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 07 02:24:33 2020
Response via : Initial Calibration

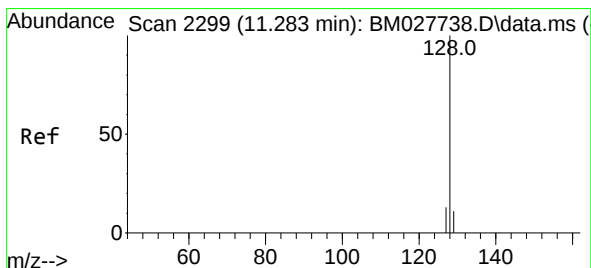
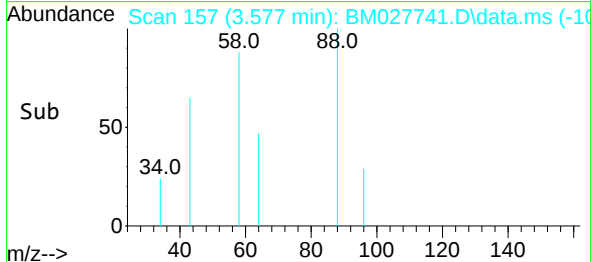
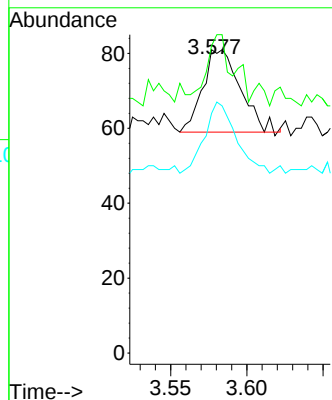
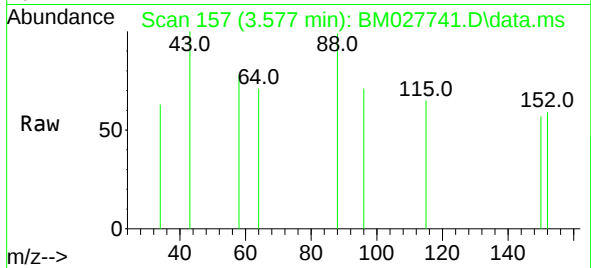




#2
1,4-Dioxane
Concen: 0.08 ng/ul
RT: 3.577 min Scan# 157
Delta R.T. -0.003 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

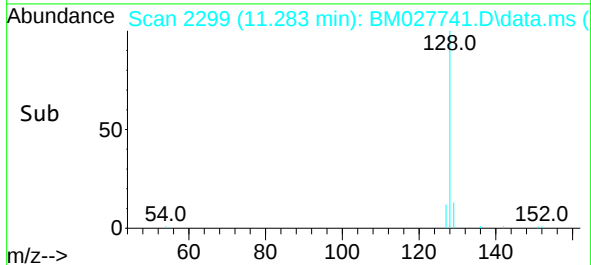
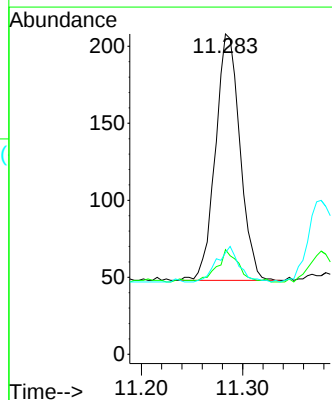
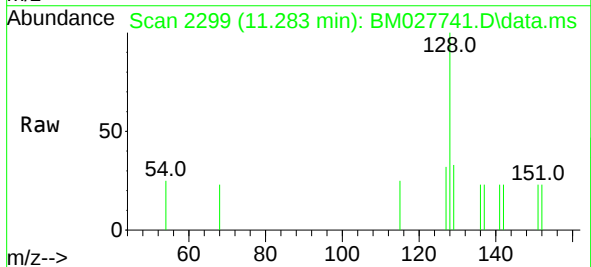
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-06

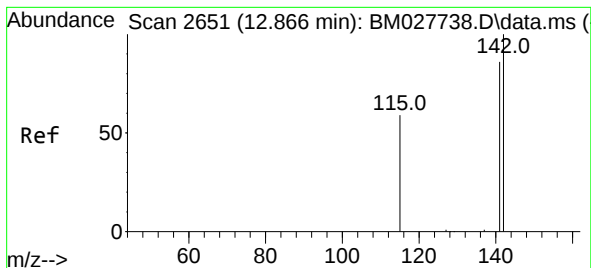
Tgt Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 101.2 61.8 92.6#
58 79.0 67.8 101.8



#5
Naphthalene
Concen: 0.07 ng/ul
RT: 11.283 min Scan# 2299
Delta R.T. -0.004 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

Tgt Ion: 128 Resp: 269
Ion Ratio Lower Upper
128 100
129 32.7 11.7 17.5#
127 31.7 14.0 21.0#

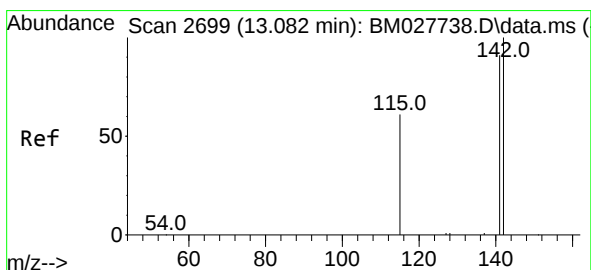
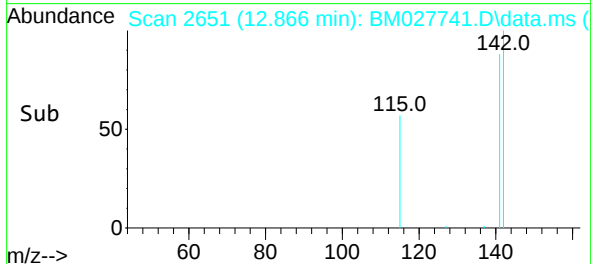
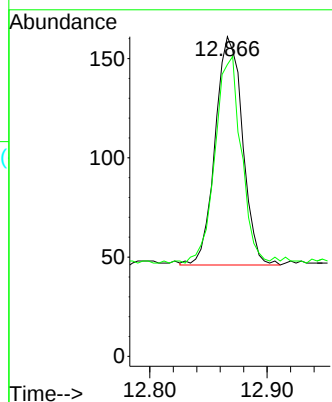
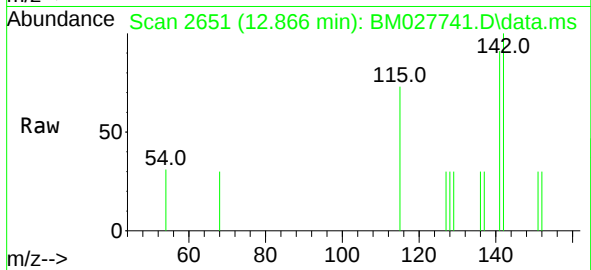




#7
2-Methylnaphthalene
Concen: 0.07 ng/ul
RT: 12.866 min Scan# 2651
Delta R.T. 0.000 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

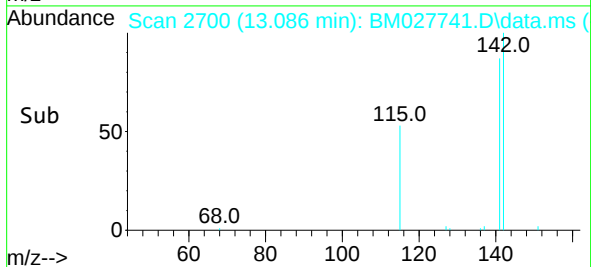
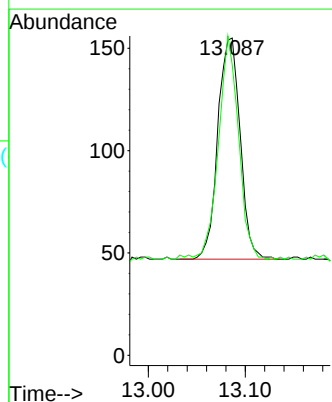
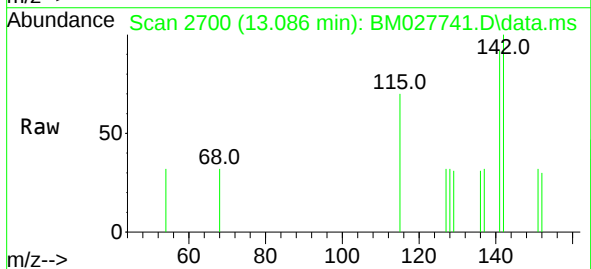
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-06

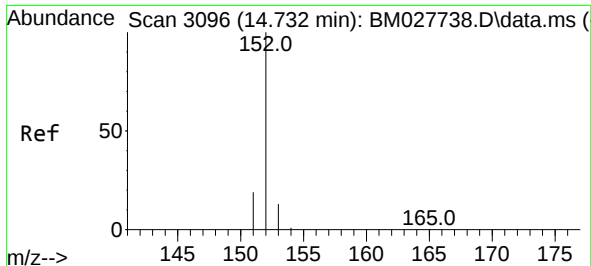
Tgt Ion:142 Resp: 186
Ion Ratio Lower Upper
142 100
141 86.6 71.2 106.8



#8
1-Methylnaphthalene
Concen: 0.07 ng/ul
RT: 13.086 min Scan# 2700
Delta R.T. 0.000 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

Tgt Ion:142 Resp: 172
Ion Ratio Lower Upper
142 100
141 91.3 74.1 111.1

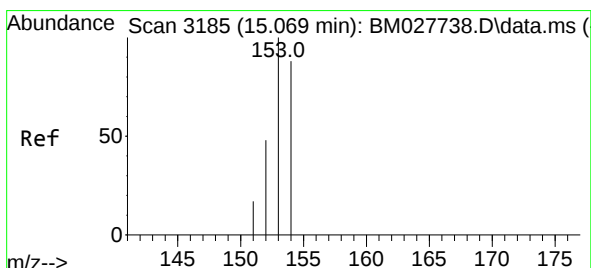
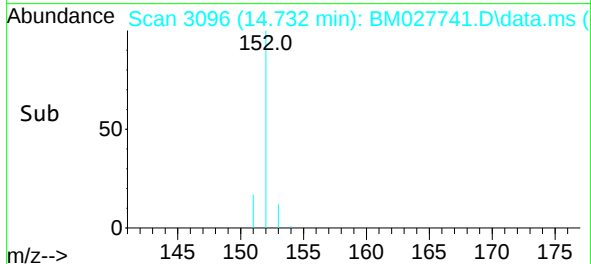
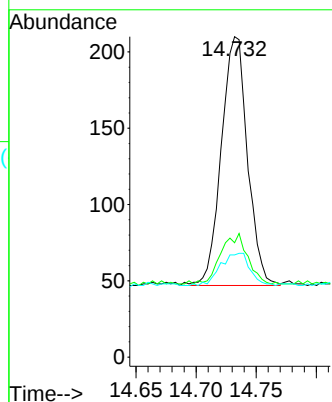
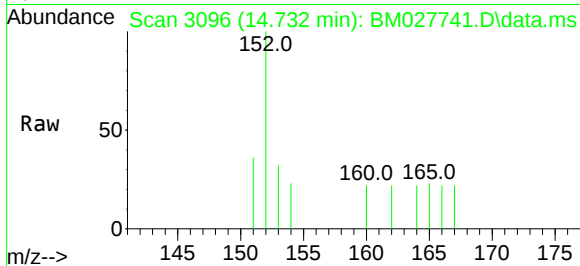




#10
Acenaphthylene
Concen: 0.06 ng/ul
RT: 14.732 min Scan# 3096
Delta R.T. 0.000 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

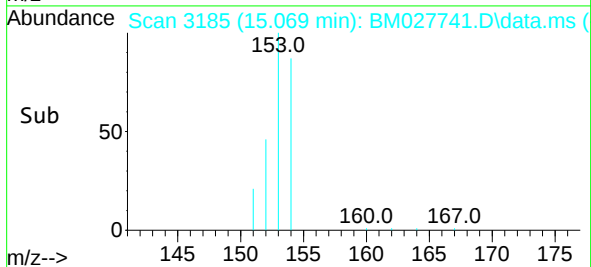
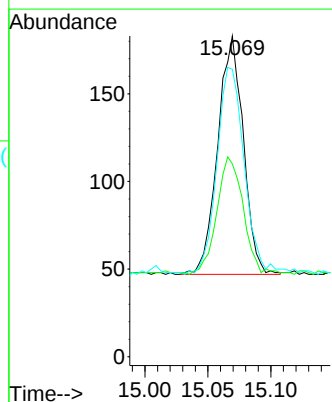
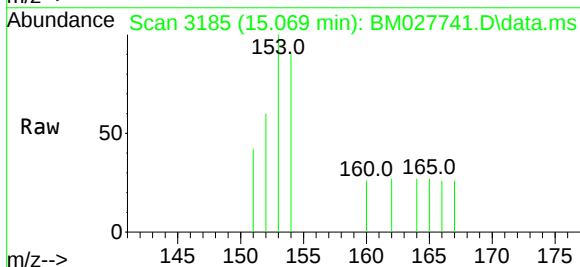
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-06

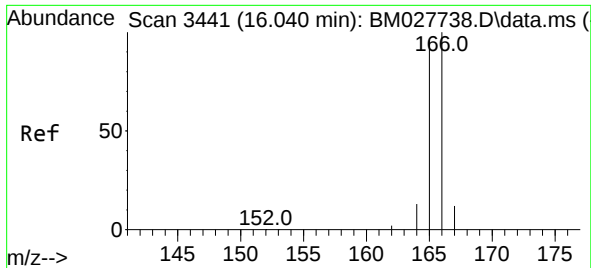
Tgt Ion:152 Resp: 247
Ion Ratio Lower Upper
152 100
151 35.7 17.8 26.8#
153 31.9 13.5 20.3#



#11
Acenaphthene
Concen: 0.06 ng/ul
RT: 15.069 min Scan# 3185
Delta R.T. 0.000 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

Tgt Ion:153 Resp: 192
Ion Ratio Lower Upper
153 100
152 60.1 40.6 60.8
154 89.6 71.0 106.4

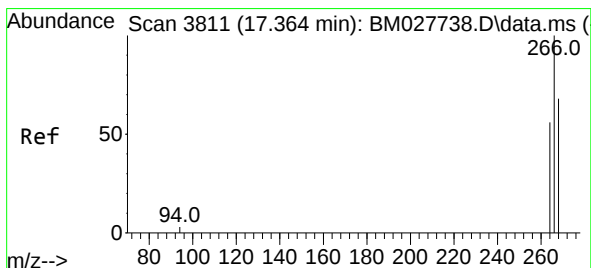
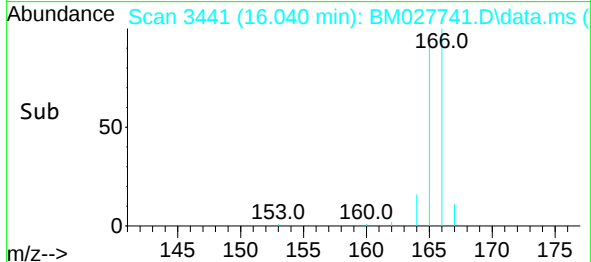
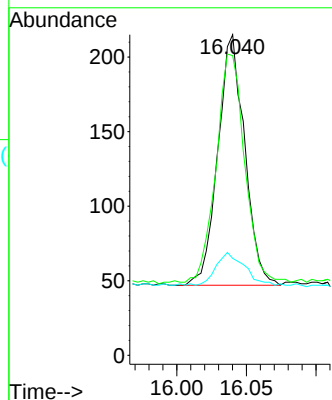
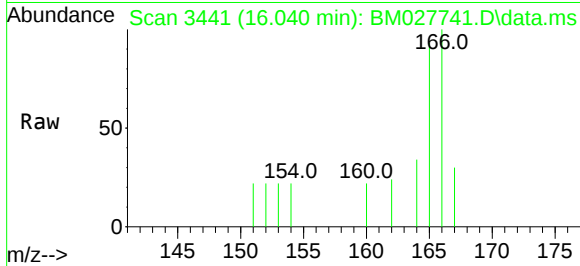




#12
Fluorene
Concen: 0.06 ng/ul
RT: 16.040 min Scan# 3441
Delta R.T. 0.000 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

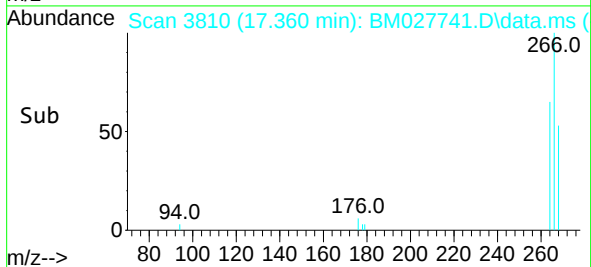
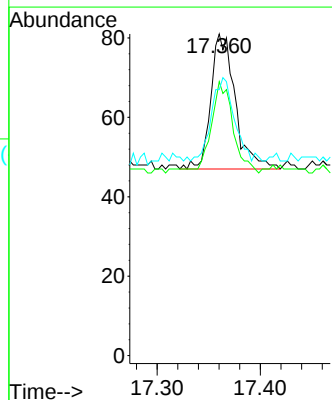
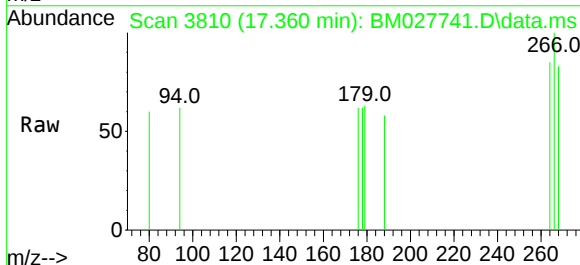
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-06

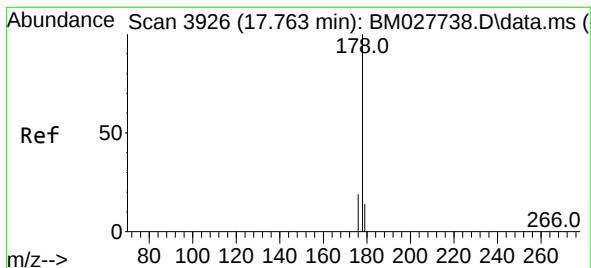
Tgt Ion:166 Resp: 225
Ion Ratio Lower Upper
166 100
165 93.5 76.2 114.4
167 30.2 13.7 20.5#



#14
Pentachlorophenol
Concen: 0.09 ng/ul
RT: 17.360 min Scan# 3810
Delta R.T. -0.003 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

Tgt Ion:266 Resp: 56
Ion Ratio Lower Upper
266 100
264 62.5 48.2 72.4
268 60.7 53.4 80.0





#15

Phenanthrene

Concen: 0.08 ng/ul

RT: 17.759 min Scan# 3925

Delta R.T. 0.000 min

Lab File: BM027741.D

Acq: 07 Nov 2020 02:47

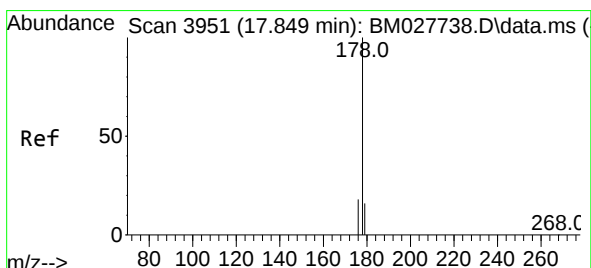
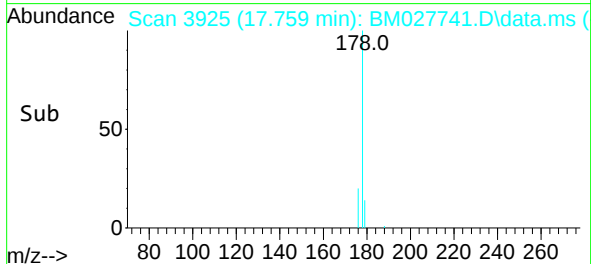
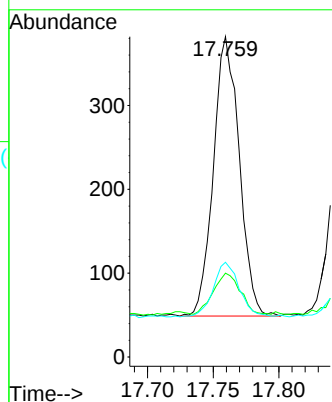
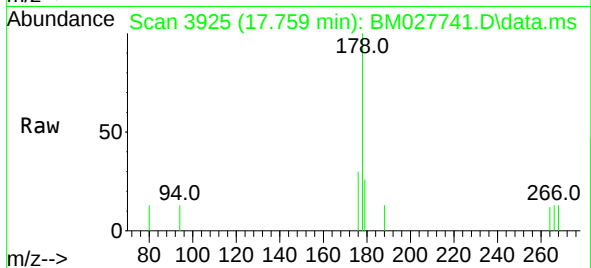
Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-06

Tgt Ion:178	Resp:	456
Ion	Ratio	Lower Upper
178	100	
179	26.2	14.6 22.0#
176	29.6	18.2 27.2#



#16

Anthracene

Concen: 0.07 ng/ul

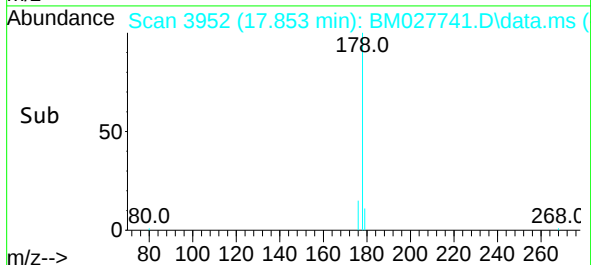
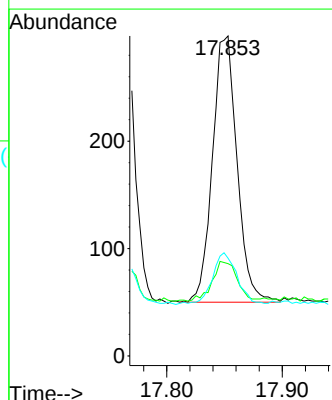
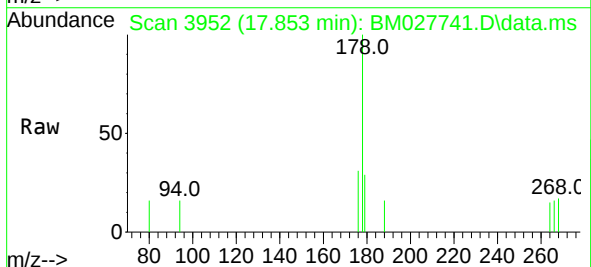
RT: 17.853 min Scan# 3952

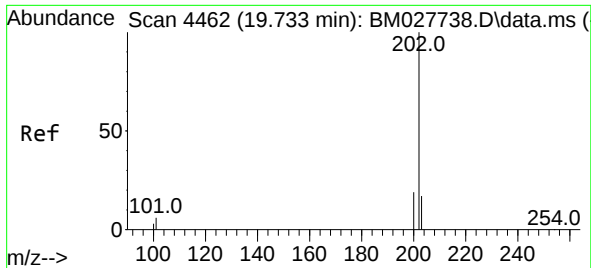
Delta R.T. 0.003 min

Lab File: BM027741.D

Acq: 07 Nov 2020 02:47

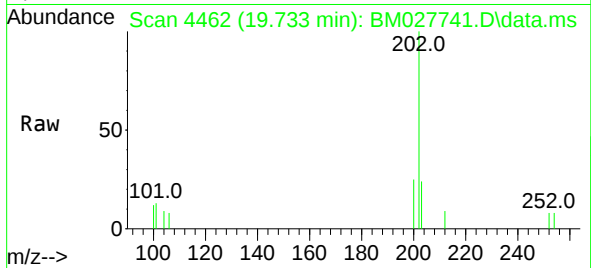
Tgt Ion:178	Resp:	368
Ion	Ratio	Lower Upper
178	100	
179	28.9	14.1 21.1#
176	30.5	16.3 24.5#



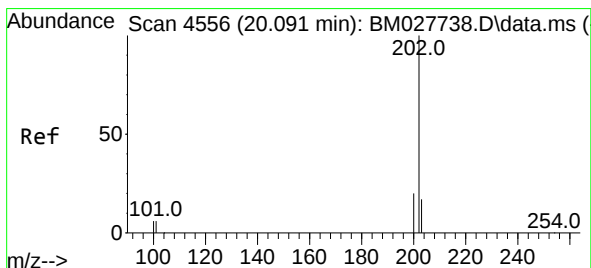
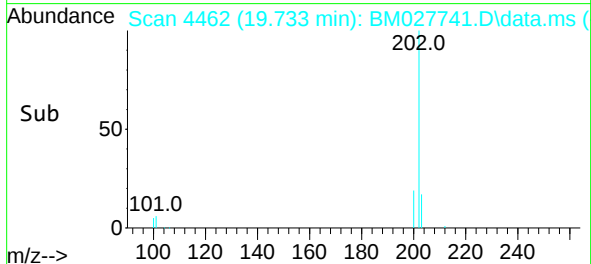
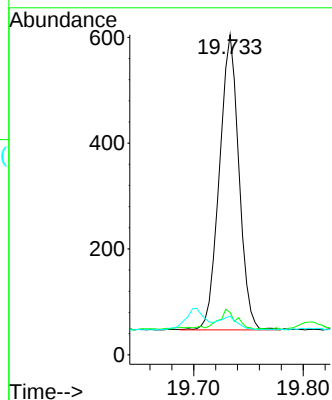


#18
Fluoranthene
Concen: 0.10 ng/ul
RT: 19.733 min Scan# 4462
Delta R.T. -0.004 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

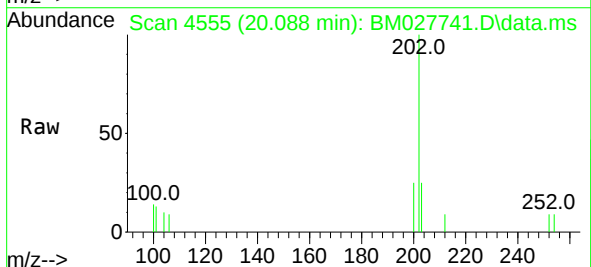
Instrument :
BNA_M
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MDL-SOIL-06



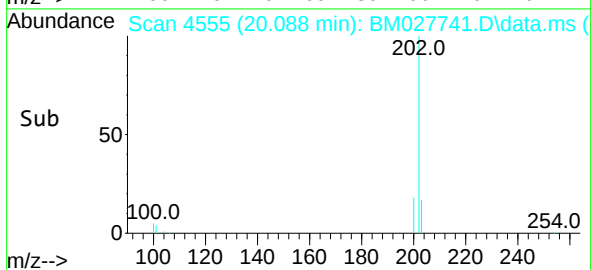
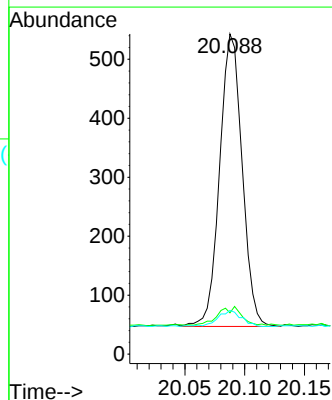
Tgt Ion:202 Resp: 688
Ion Ratio Lower Upper
202 100
101 13.2 6.1 9.1#
100 12.1 5.8 8.6#

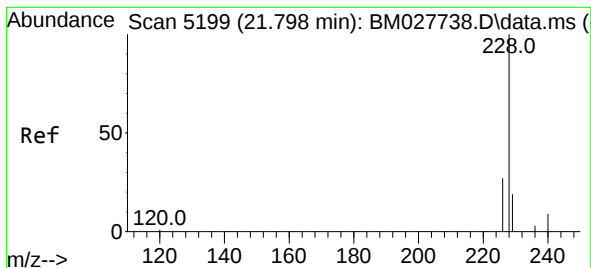


#20
Pyrene
Concen: 0.10 ng/ul
RT: 20.088 min Scan# 4555
Delta R.T. -0.004 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47



Tgt Ion:202 Resp: 650
Ion Ratio Lower Upper
202 100
101 12.9 7.4 11.0#
100 13.6 6.6 9.8#

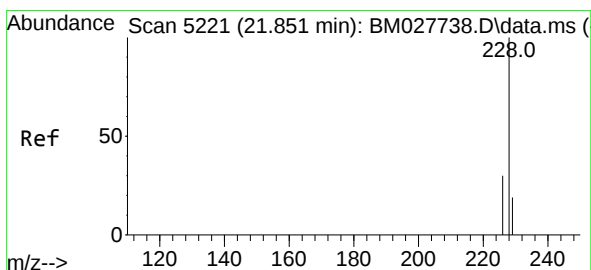
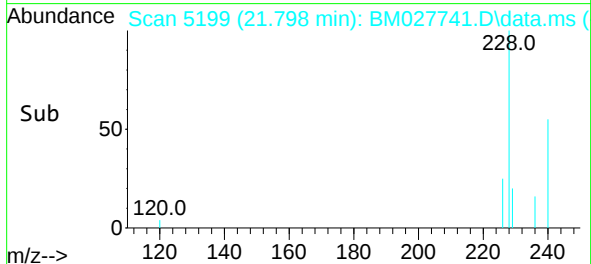
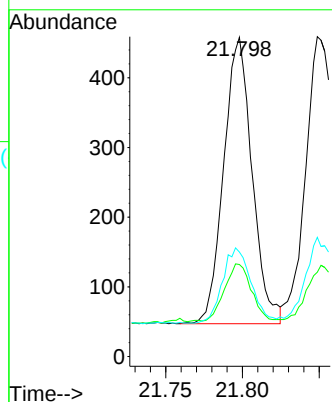
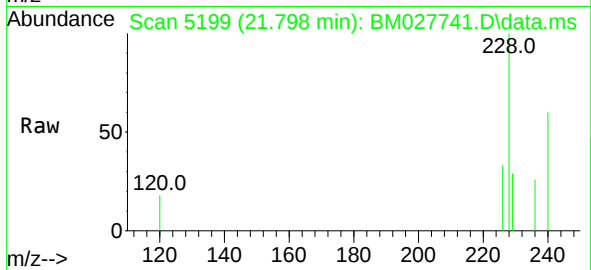




#21
Benzo(a)anthracene
Concen: 0.09 ng/ul
RT: 21.798 min Scan# 5199
Delta R.T. -0.002 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

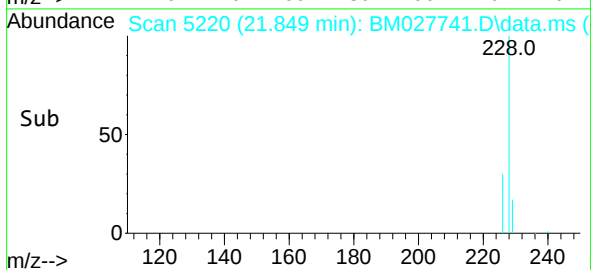
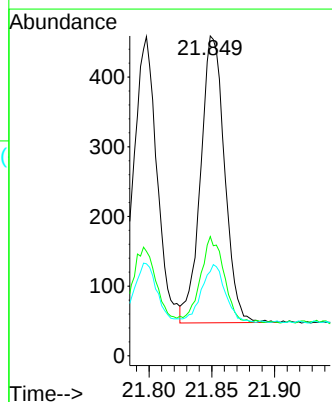
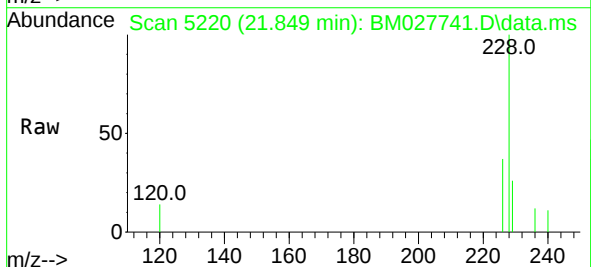
Instrument :
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MDL-SOIL-06

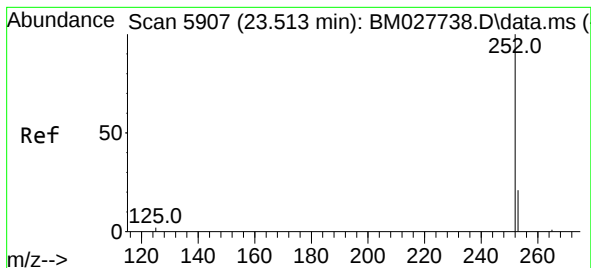
Tgt Ion:228 Resp: 530
Ion Ratio Lower Upper
228 100
229 28.8 17.0 25.4#
226 32.8 22.0 33.0



#22
Chrysene
Concen: 0.09 ng/ul
RT: 21.849 min Scan# 5220
Delta R.T. -0.007 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

Tgt Ion:228 Resp: 547
Ion Ratio Lower Upper
228 100
226 37.3 24.0 36.0#
229 26.4 16.9 25.3#

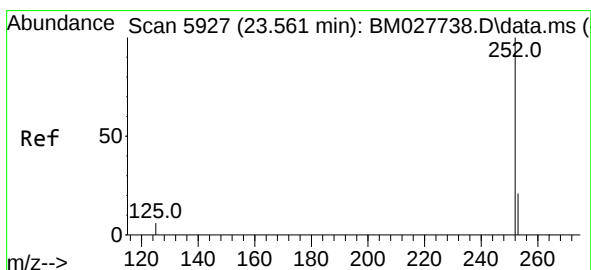
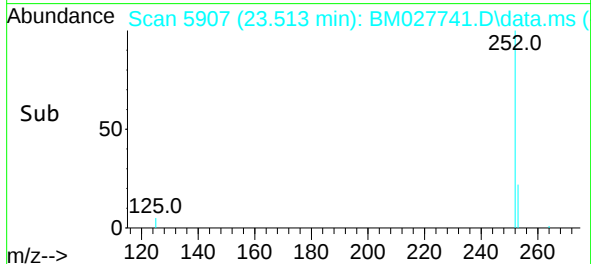
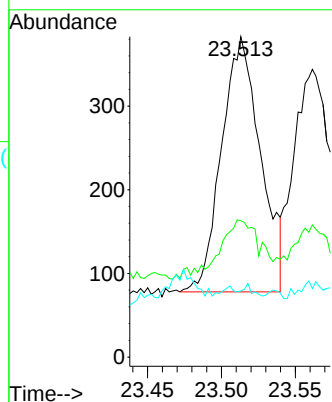
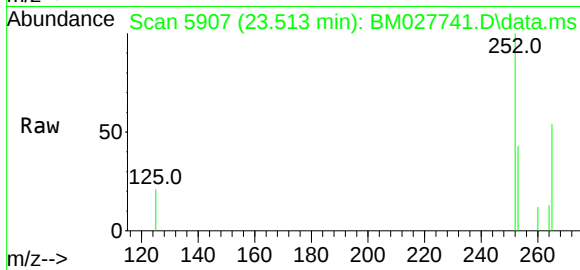




#24
Benzo(b)fluoranthene
Concen: 0.09 ng/ul
RT: 23.513 min Scan# 5907
Delta R.T. -0.002 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

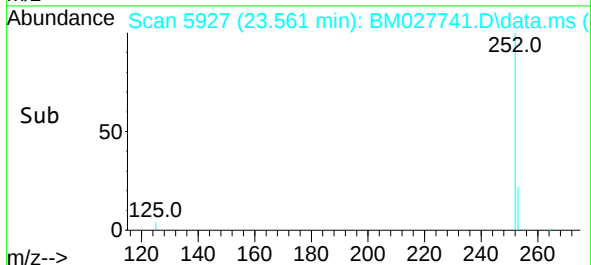
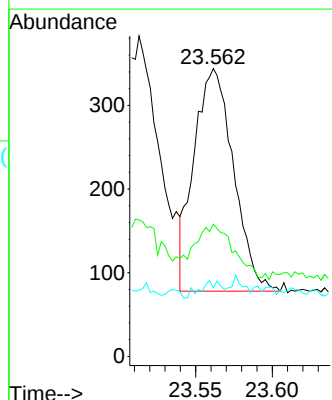
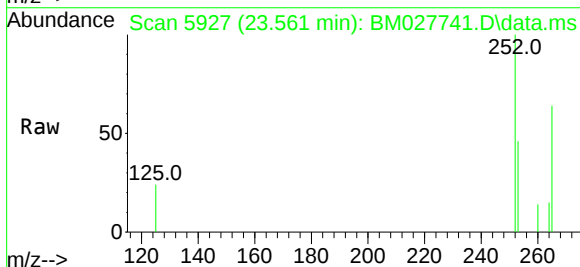
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-06

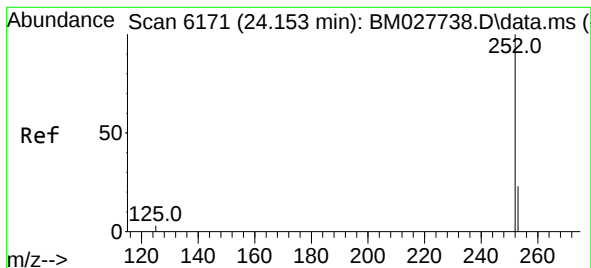
Tgt Ion:252 Resp: 559
Ion Ratio Lower Upper
252 100
253 42.6 0.0 53.0
125 20.6 0.0 17.6#



#25
Benzo(k)fluoranthene
Concen: 0.08 ng/ul
RT: 23.561 min Scan# 5927
Delta R.T. -0.007 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

Tgt Ion:252 Resp: 477
Ion Ratio Lower Upper
252 100
253 45.9 21.4 32.2#
125 23.8 7.4 11.0#

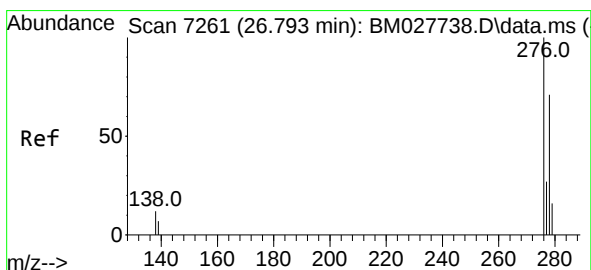
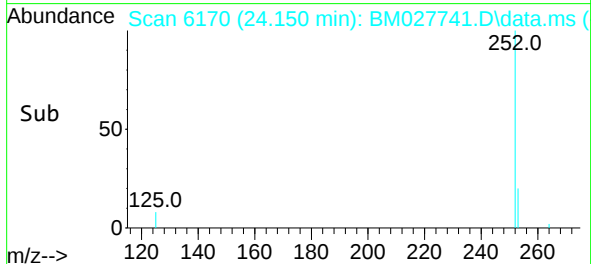
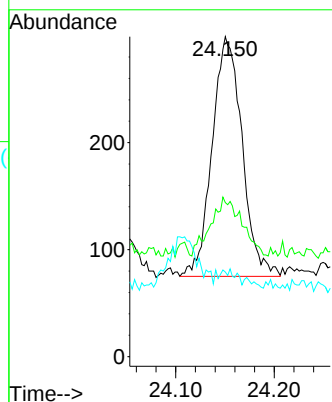
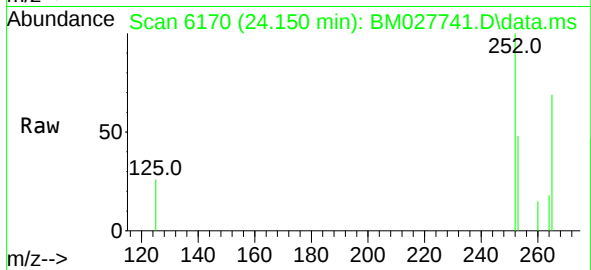




#26
Benzo(a)pyrene
Concen: 0.09 ng/ul
RT: 24.150 min Scan# 6170
Delta R.T. -0.005 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

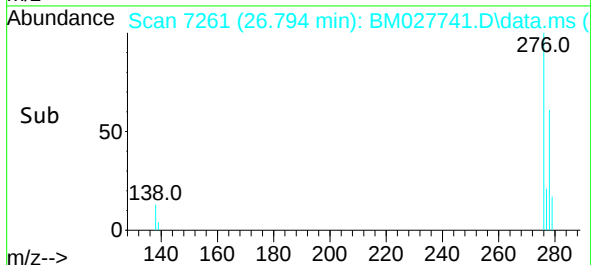
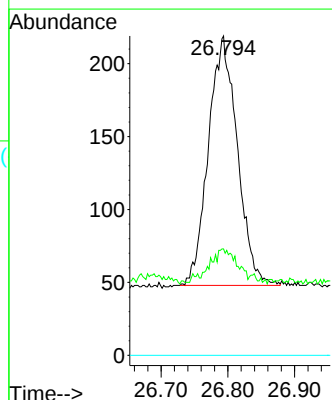
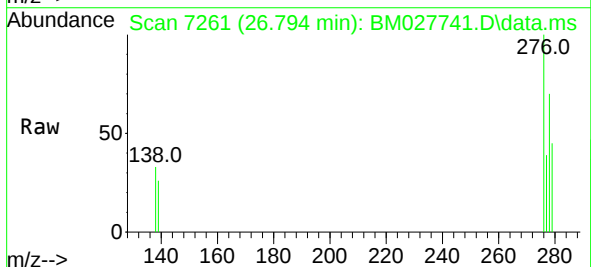
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-06

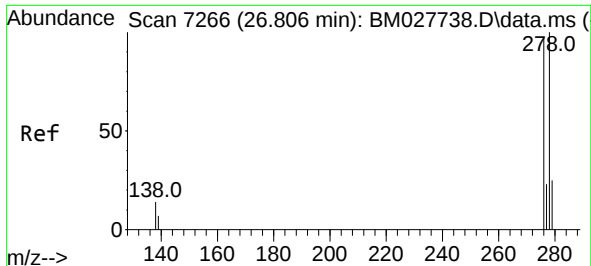
Tgt Ion:252 Resp: 473
Ion Ratio Lower Upper
252 100
253 48.2 22.3 33.5#
125 26.4 8.8 13.2#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng/ul
RT: 26.794 min Scan# 7261
Delta R.T. -0.005 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

Tgt Ion:276 Resp: 514
Ion Ratio Lower Upper
276 100
138 12.6 11.0 16.6
227 0.0 0.0 0.0

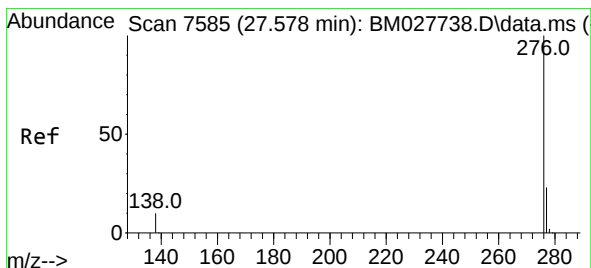
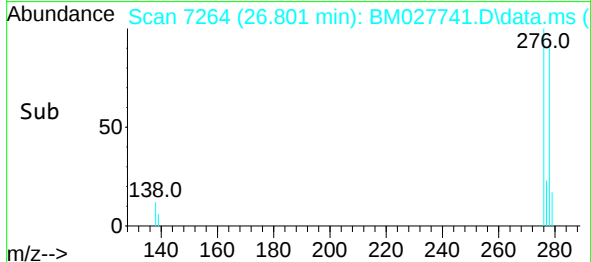
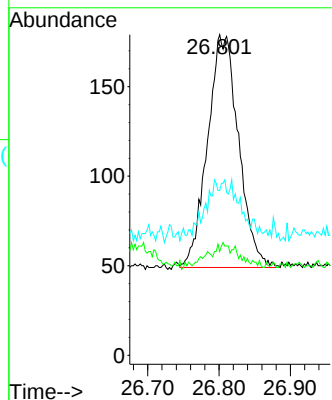
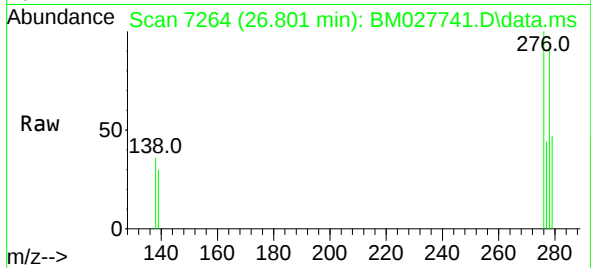




#28
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 26.801 min Scan# 7264
Delta R.T. -0.010 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-06

Tgt Ion:278 Resp: 393
Ion Ratio Lower Upper
278 100
139 32.4 12.6 18.8#
279 51.4 24.3 36.5#



#29
Benzo(g,h,i)perylene
Concen: 0.08 ng/ul
RT: 27.579 min Scan# 7585
Delta R.T. -0.002 min
Lab File: BM027741.D
Acq: 07 Nov 2020 02:47

Tgt Ion:276 Resp: 454
Ion Ratio Lower Upper
276 100
138 32.8 15.0 22.4#
277 45.2 24.2 36.2#

