

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110620\
 Data File : BM027731.D
 Acq On : 06 Nov 2020 12:04
 Operator : JU/CG
 Sample : L4458-05
 Misc : SFAM-SIM-MDL-S-03
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-05

Quant Time: Nov 06 12:37:56 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 : Fri Nov 06 11:00:57 2020
 Response via : Initial Calibration

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

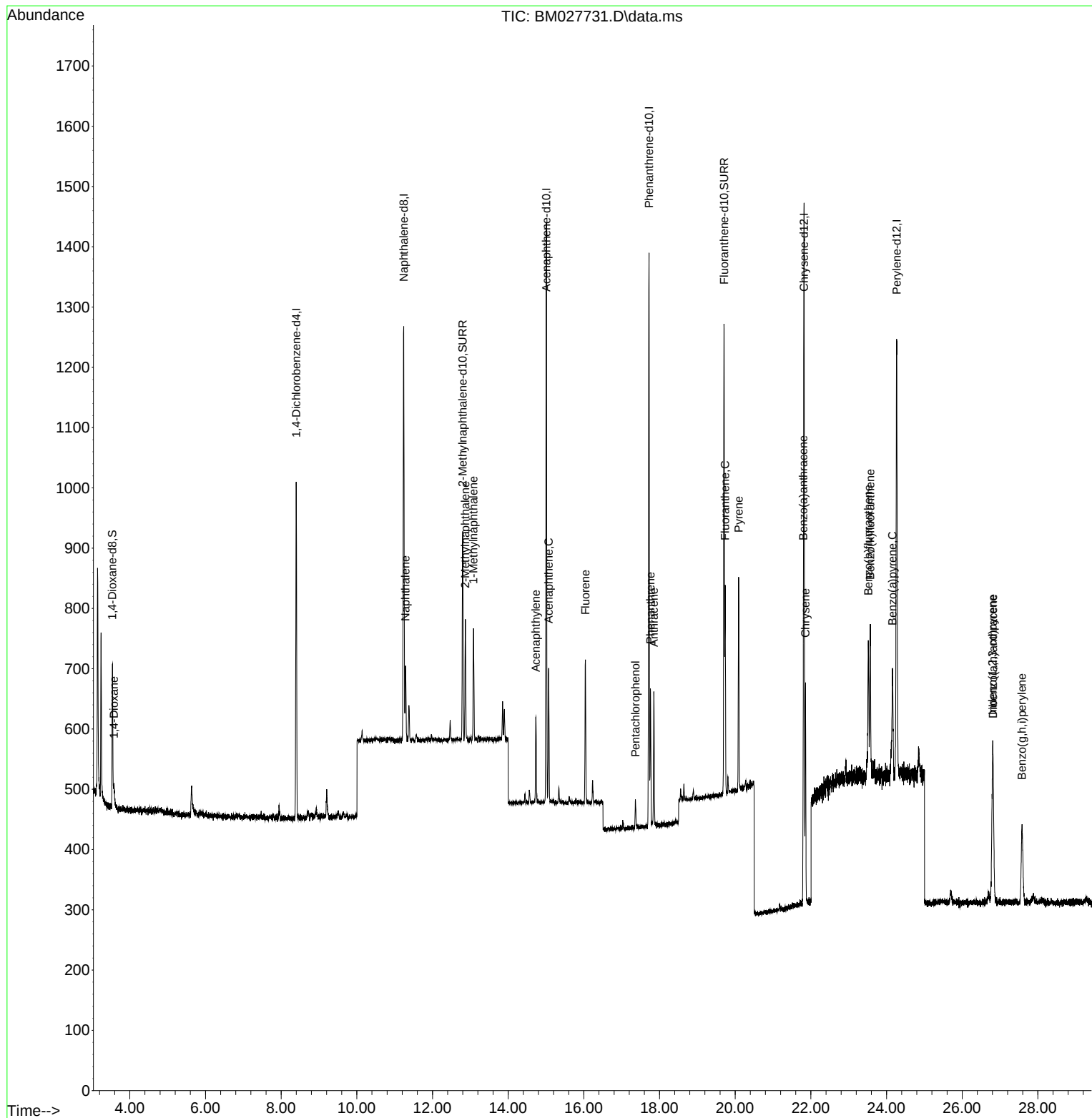
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.397	152	262	0.40	ng/ul	0.00
4) Naphthalene-d8	11.238	136	886	0.40	ng/ul #	0.00
9) Acenaphthene-d10	15.009	164	528	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.721	188	1175	0.40	ng/ul	0.00
19) Chrysene-d12	21.820	240	1077	0.40	ng/ul	0.00
23) Perylene-d12	24.269	264	1000	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.539	96	135	0.50	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.799	152	412	0.28	ng/ul	0.00
17) Fluoranthene-d10	19.706	212	903	0.29	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.580	88	34	0.12	ng/ul#	87
5) Naphthalene	11.287	128	183	0.07	ng/ul#	43
7) 2-Methylnaphthalene	12.866	142	125	0.07	ng/ul	99
8) 1-Methylnaphthalene	13.082	142	114	0.07	ng/ul	97
10) Acenaphthylene	14.732	152	156	0.07	ng/ul#	50
11) Acenaphthene	15.069	153	133	0.07	ng/ul#	89
12) Fluorene	16.040	166	143	0.07	ng/ul#	92
14) Pentachlorophenol	17.367	266	32	0.08	ng/ul	90
15) Phenanthrene	17.759	178	237	0.07	ng/ul#	64
16) Anthracene	17.849	178	245	0.07	ng/ul#	61
18) Fluoranthene	19.733	202	297	0.07	ng/ul#	61
20) Pyrene	20.091	202	300	0.07	ng/ul#	62
21) Benzo(a)anthracene	21.803	228	306	0.08	ng/ul#	77
22) Chrysene	21.858	228	319	0.08	ng/ul#	78
24) Benzo(b)fluoranthene	23.518	252	332	0.08	ng/ul#	54
25) Benzo(k)fluoranthene	23.571	252	311	0.08	ng/ul#	53
26) Benzo(a)pyrene	24.157	252	297	0.08	ng/ul#	47
27) Indeno(1,2,3-cd)pyrene	26.801	276	350	0.08	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.818	278	290	0.08	ng/ul#	46
29) Benzo(g,h,i)perylene	27.581	276	294	0.08	ng/ul#	57

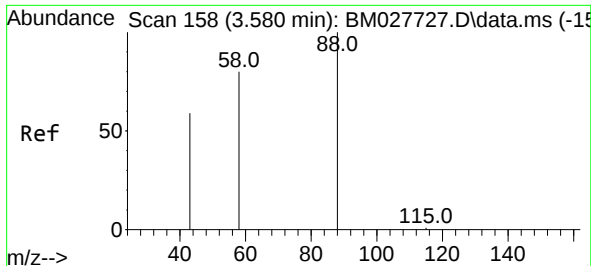
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 06 12:37:56 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 : Fri Nov 06 11:00:57 2020
Response via : Initial Calibration

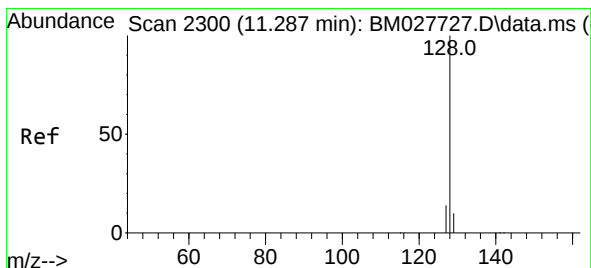
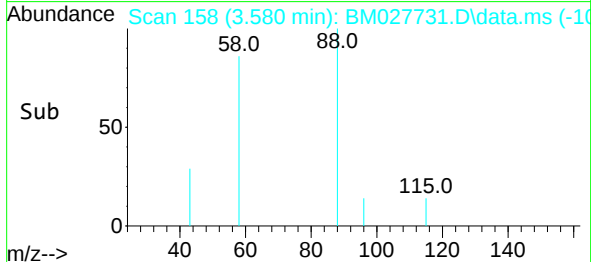
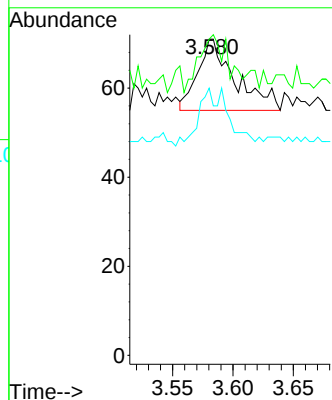
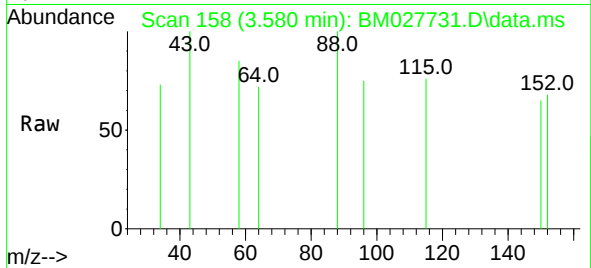




#2
1,4-Dioxane
Concen: 0.12 ng/ul
RT: 3.580 min Scan# 158
Delta R.T. -0.000 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

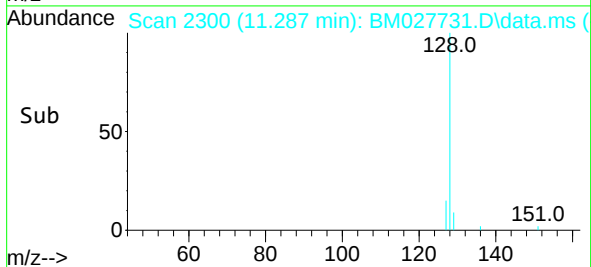
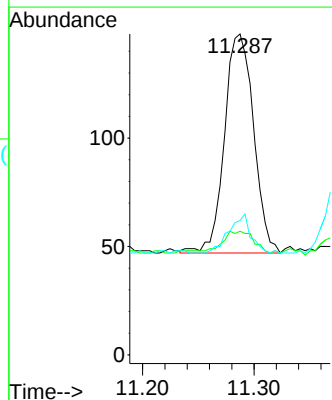
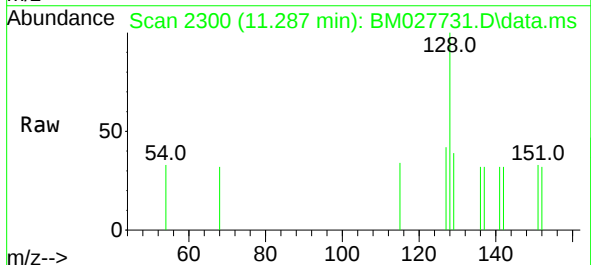
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-05

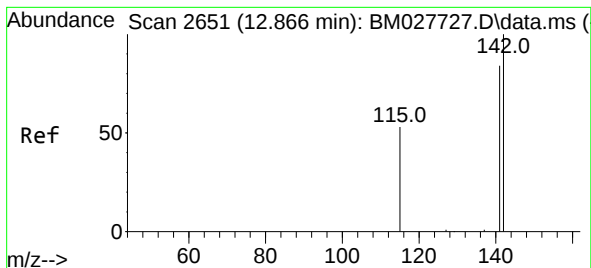
Tgt Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 100.0 61.8 92.6#
58 84.5 67.8 101.8



#5
Naphthalene
Concen: 0.07 ng/ul
RT: 11.287 min Scan# 2300
Delta R.T. -0.000 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

Tgt Ion:128 Resp: 183
Ion Ratio Lower Upper
128 100
129 38.5 11.7 17.5#
127 41.9 14.0 21.0#

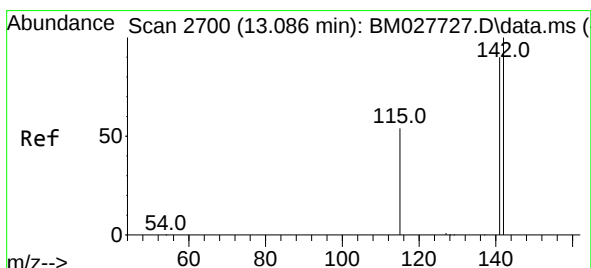
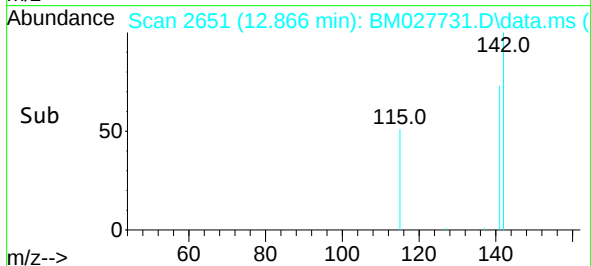
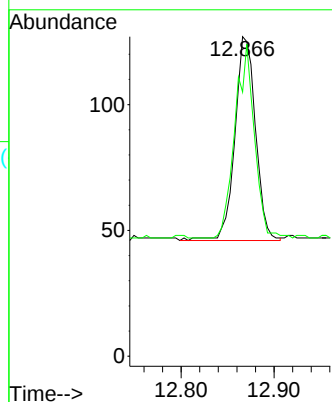
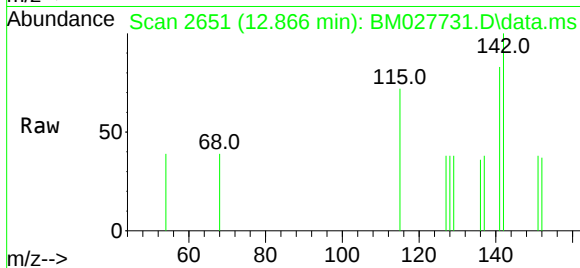




#7
2-Methylnaphthalene
Concen: 0.07 ng/ul
RT: 12.866 min Scan# 2651
Delta R.T. -0.000 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

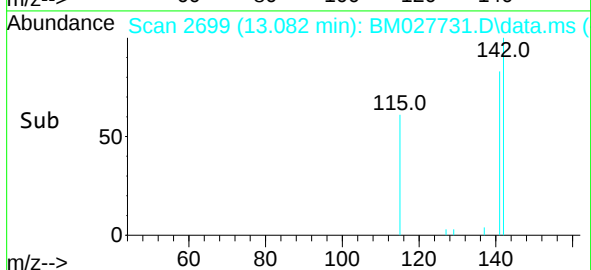
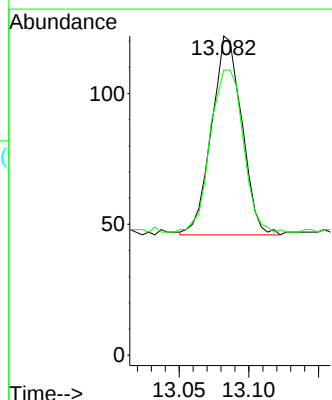
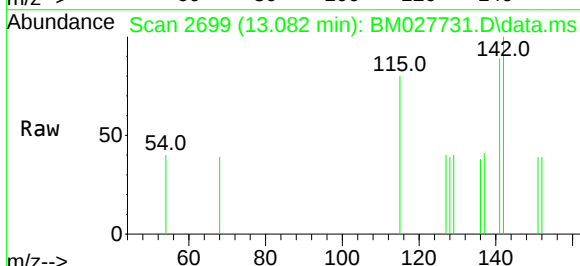
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-05

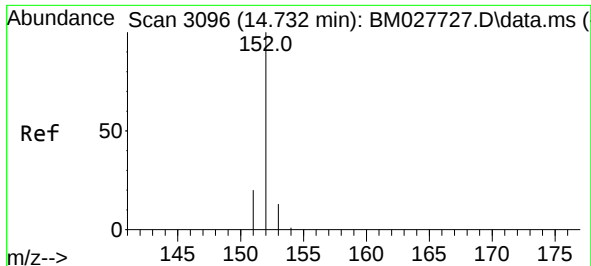
Tgt Ion:142 Resp: 125
Ion Ratio Lower Upper
142 100
141 90.4 71.2 106.8



#8
1-Methylnaphthalene
Concen: 0.07 ng/ul
RT: 13.082 min Scan# 2699
Delta R.T. -0.005 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

Tgt Ion:142 Resp: 114
Ion Ratio Lower Upper
142 100
141 89.5 74.1 111.1

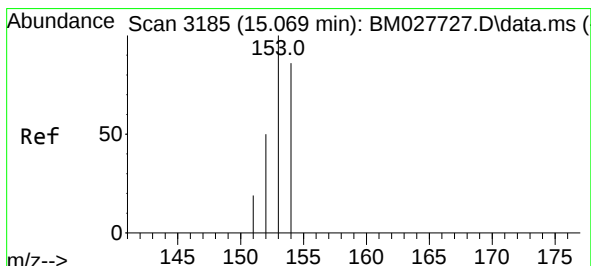
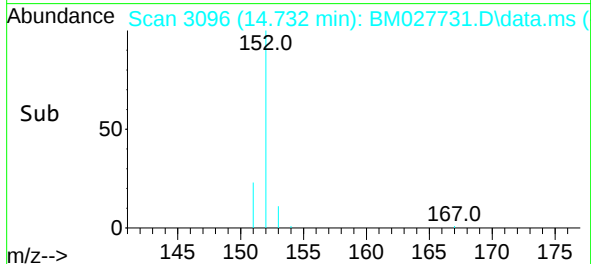
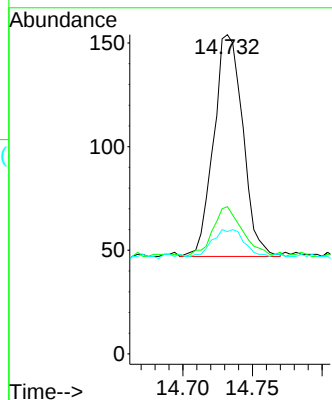
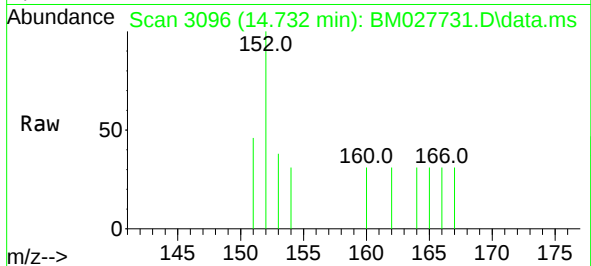




#10
Acenaphthylene
Concen: 0.07 ng/ul
RT: 14.732 min Scan# 3096
Delta R.T. -0.000 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

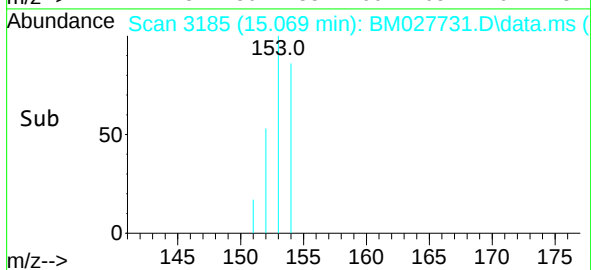
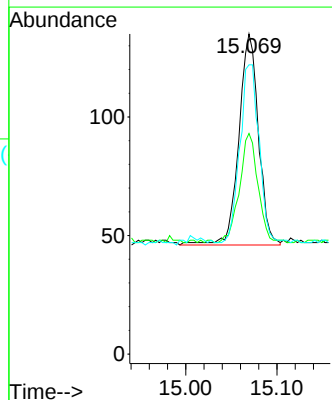
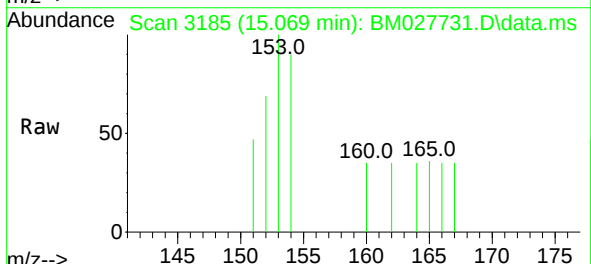
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-05

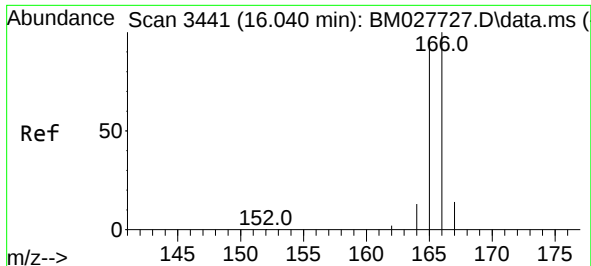
Tgt Ion:	152	Resp:	156
Ion	Ratio	Lower	Upper
152	100		
151	46.1	17.8	26.8#
153	38.3	13.5	20.3#



#11
Acenaphthene
Concen: 0.07 ng/ul
RT: 15.069 min Scan# 3185
Delta R.T. -0.000 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

Tgt Ion:	153	Resp:	133
Ion	Ratio	Lower	Upper
153	100		
152	68.9	40.6	60.8#
154	90.4	71.0	106.4

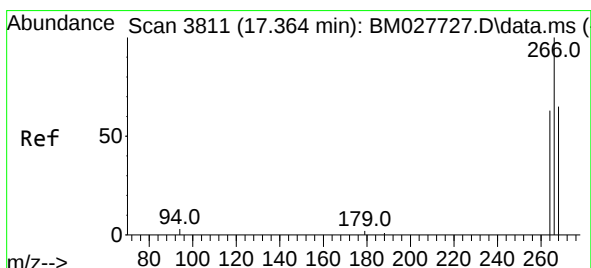
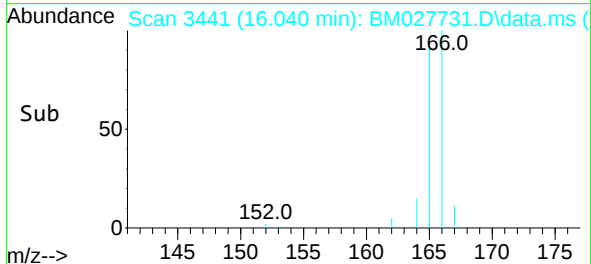
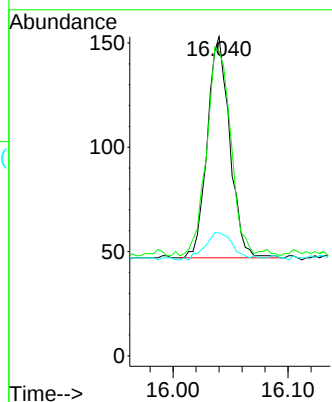
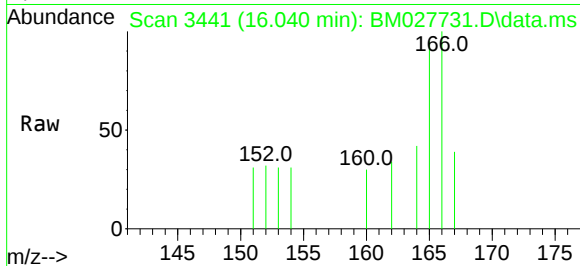




#12
Fluorene
Concen: 0.07 ng/ul
RT: 16.040 min Scan# 3441
Delta R.T. -0.000 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

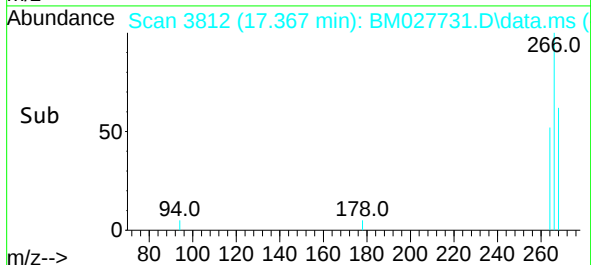
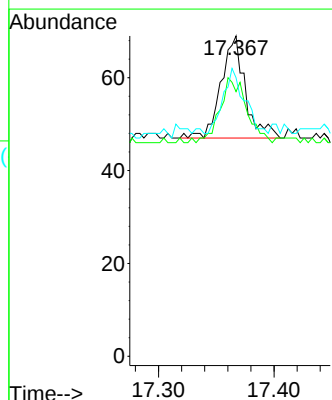
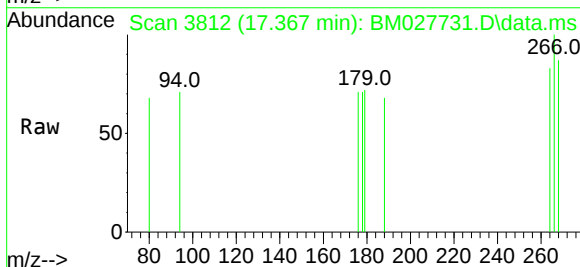
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-05

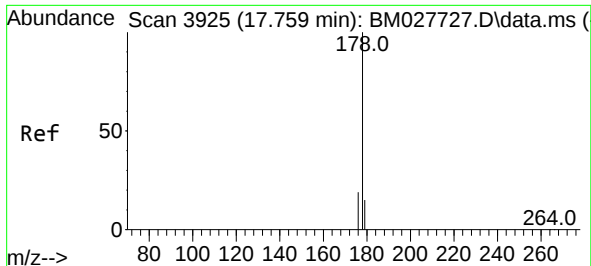
Tgt Ion:166 Resp: 143
Ion Ratio Lower Upper
166 100
165 95.4 76.2 114.4
167 38.6 13.7 20.5#



#14
Pentachlorophenol
Concen: 0.08 ng/ul
RT: 17.367 min Scan# 3812
Delta R.T. 0.003 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

Tgt Ion:266 Resp: 32
Ion Ratio Lower Upper
266 100
264 68.8 48.2 72.4
268 59.4 53.4 80.0

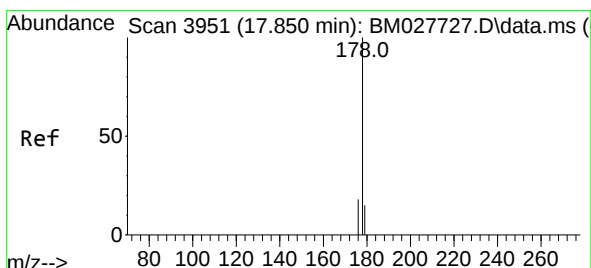
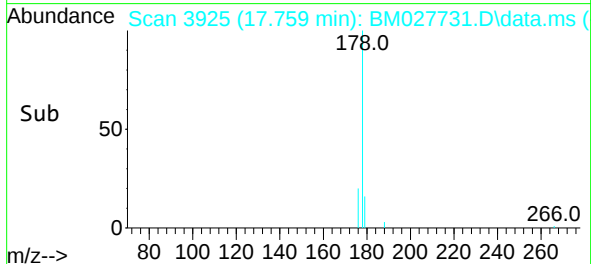
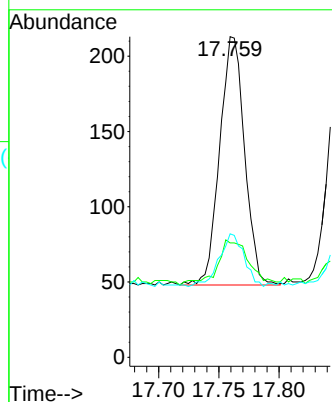
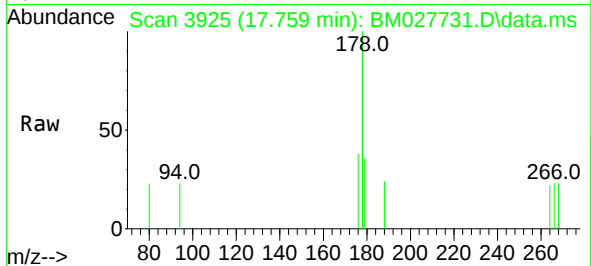




#15
Phenanthrene
Concen: 0.07 ng/ul
RT: 17.759 min Scan# 3925
Delta R.T. -0.000 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

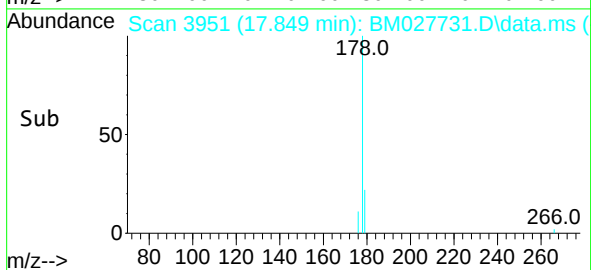
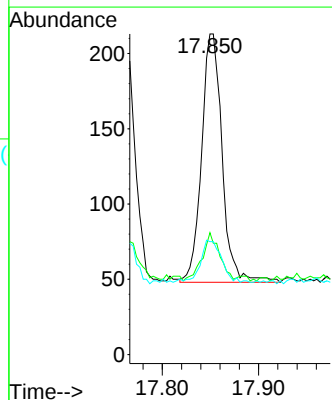
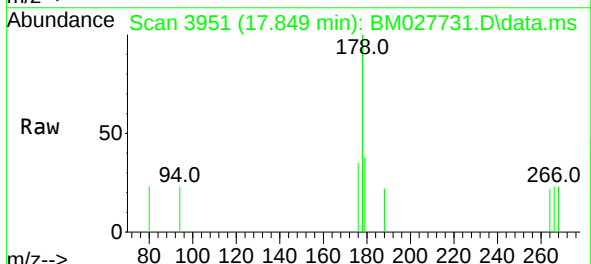
Instrument :
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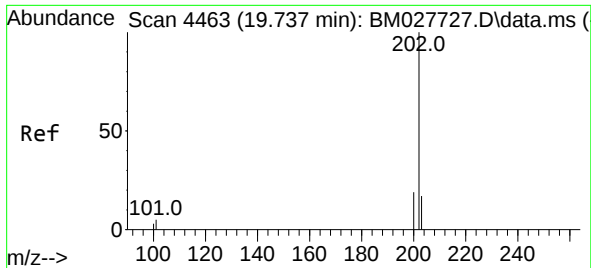
Tgt Ion:	178	Resp:	237
Ion	Ratio	Lower	Upper
178	100		
179	35.7	14.6	22.0#
176	38.5	18.2	27.2#



#16
Anthracene
Concen: 0.07 ng/ul
RT: 17.849 min Scan# 3951
Delta R.T. -0.000 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

Tgt Ion:	178	Resp:	245
Ion	Ratio	Lower	Upper
178	100		
179	38.0	14.1	21.1#
176	35.2	16.3	24.5#

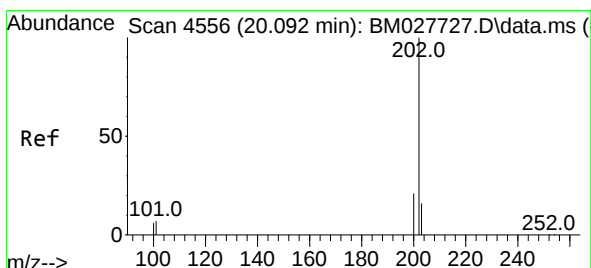
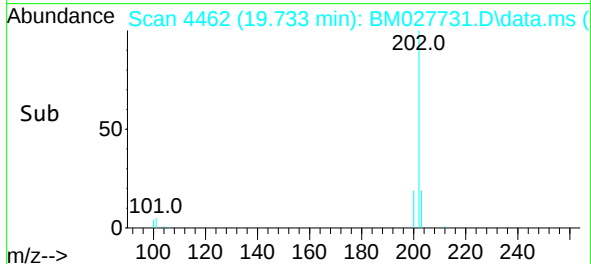
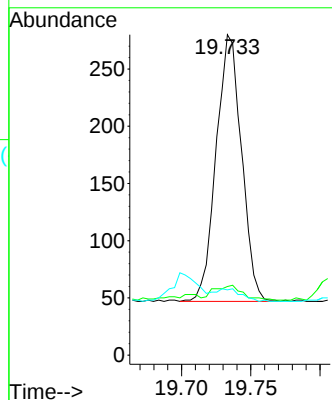
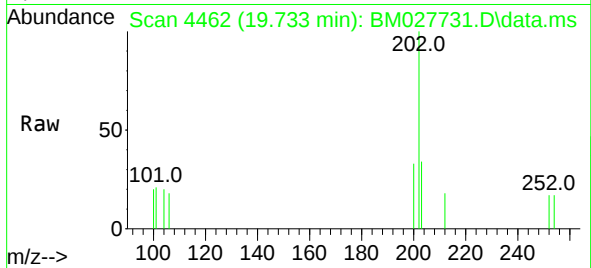




#18
Fluoranthene
Concen: 0.07 ng/ul
RT: 19.733 min Scan# 4462
Delta R.T. -0.004 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

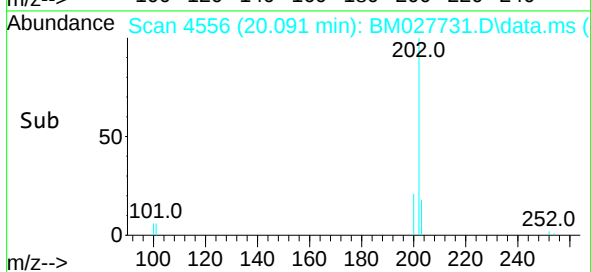
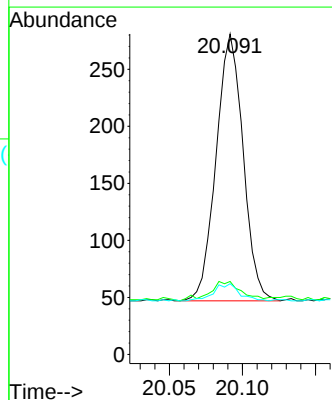
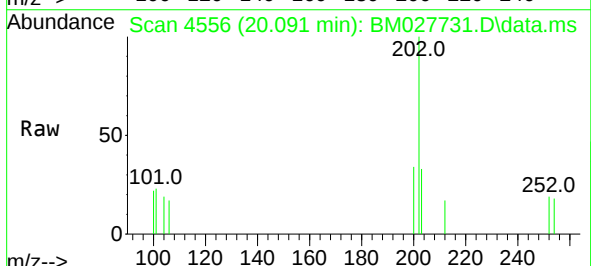
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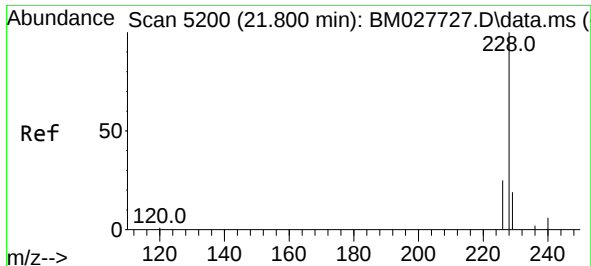
Tgt Ion:202 Resp: 297
Ion Ratio Lower Upper
202 100
101 21.4 6.1 9.1#
100 20.4 5.8 8.6#



#20
Pyrene
Concen: 0.07 ng/ul
RT: 20.091 min Scan# 4556
Delta R.T. -0.000 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

Tgt Ion:202 Resp: 300
Ion Ratio Lower Upper
202 100
101 22.8 7.4 11.0#
100 22.1 6.6 9.8#

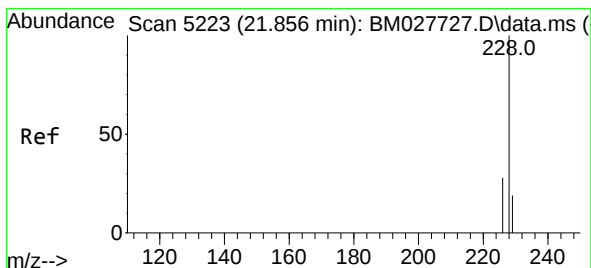
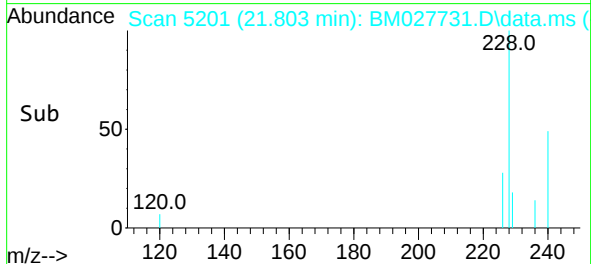
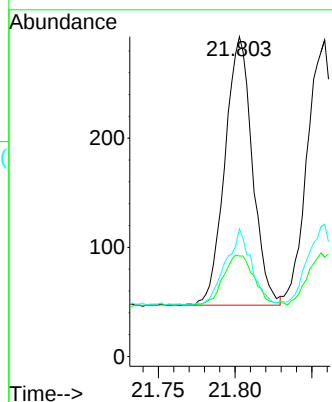
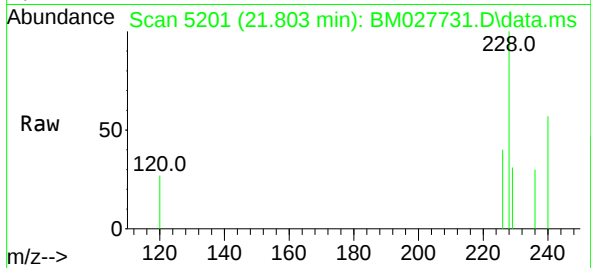




#21
Benzo(a)anthracene
Concen: 0.08 ng/ul
RT: 21.803 min Scan# 5201
Delta R.T. 0.002 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

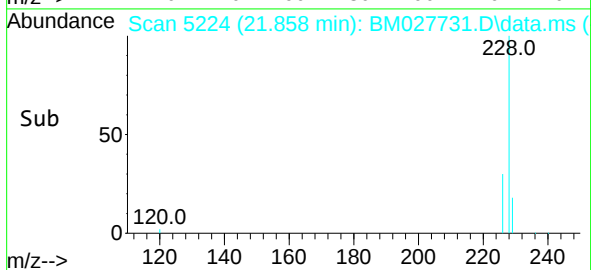
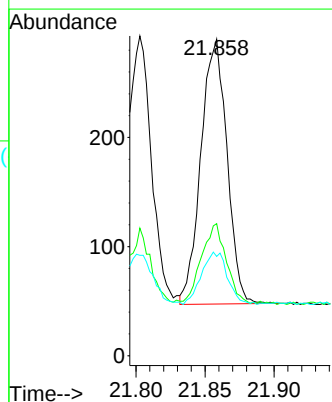
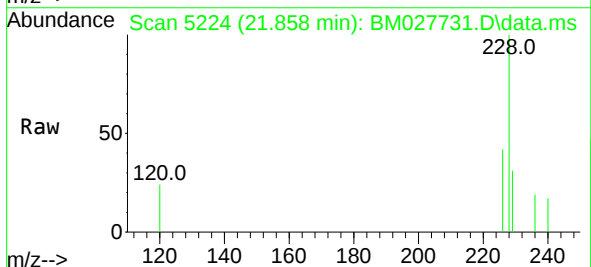
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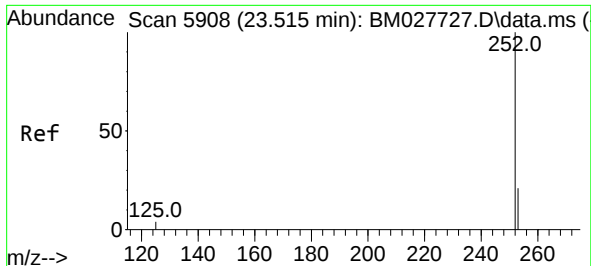
Tgt Ion:	228	Resp:	306
Ion Ratio	Lower	Upper	
228	100		
229	31.4	17.0	25.4#
226	39.9	22.0	33.0#



#22
Chrysene
Concen: 0.08 ng/ul
RT: 21.858 min Scan# 5224
Delta R.T. 0.002 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

Tgt Ion:	228	Resp:	319
Ion Ratio	Lower	Upper	
228	100		
226	41.7	24.0	36.0#
229	31.4	16.9	25.3#

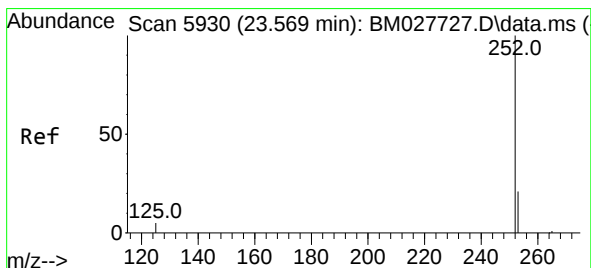
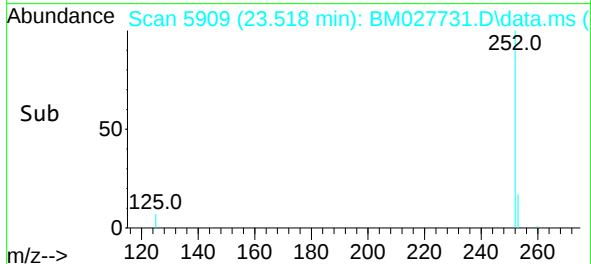
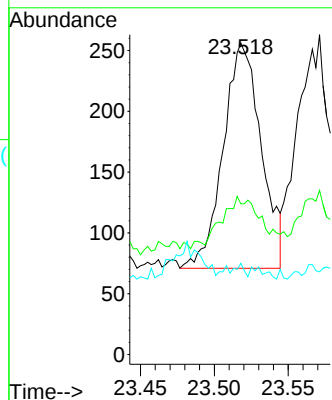
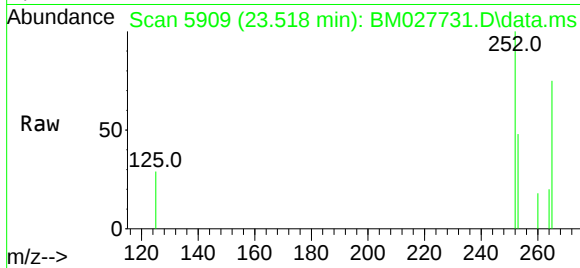




#24
Benzo(b)fluoranthene
Concen: 0.08 ng/ul
RT: 23.518 min Scan# 5909
Delta R.T. 0.002 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

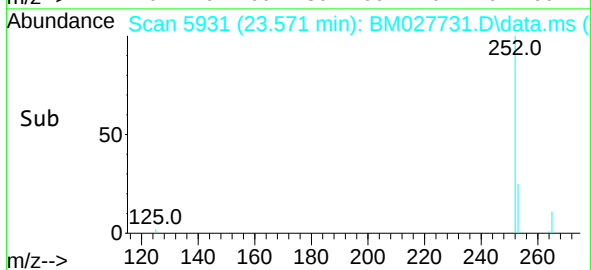
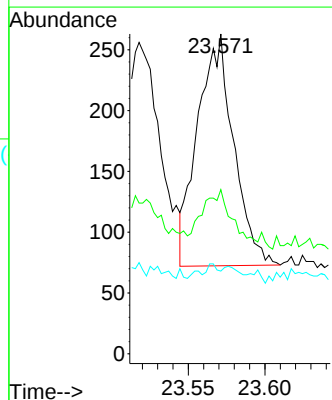
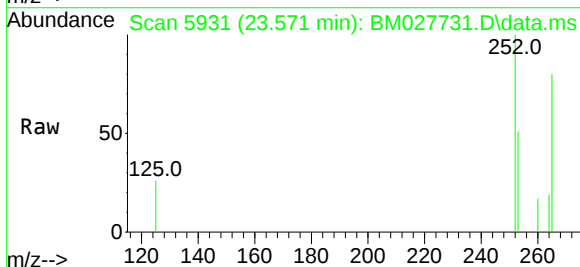
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-05

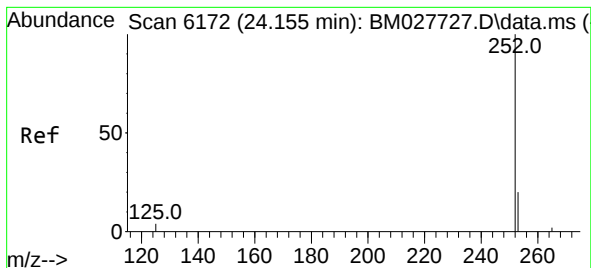
Tgt Ion:252 Resp: 332
Ion Ratio Lower Upper
252 100
253 48.4 0.0 53.0
125 29.3 0.0 17.6#



#25
Benzo(k)fluoranthene
Concen: 0.08 ng/ul
RT: 23.571 min Scan# 5931
Delta R.T. 0.002 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

Tgt Ion:252 Resp: 311
Ion Ratio Lower Upper
252 100
253 51.3 21.4 32.2#
125 25.9 7.4 11.0#

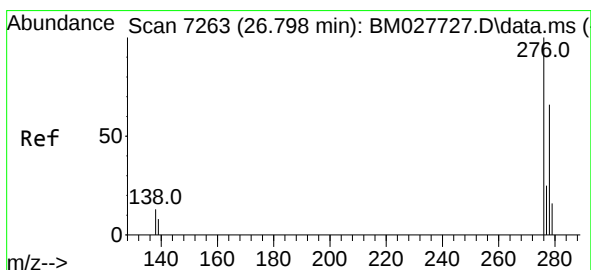
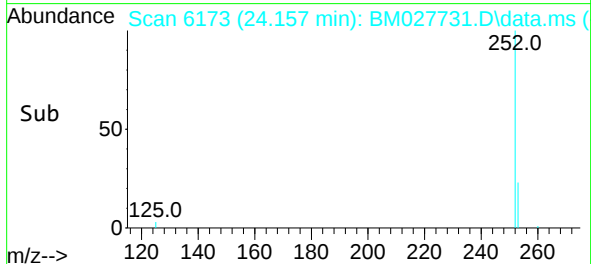
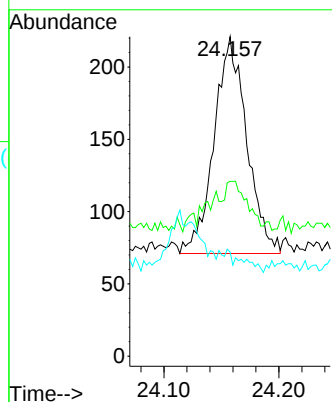
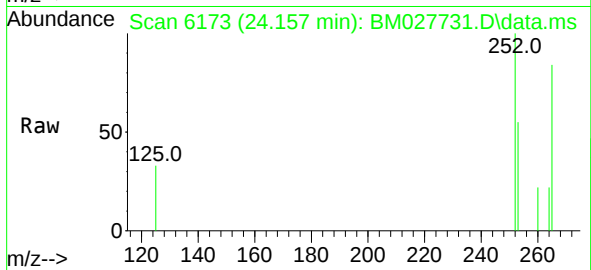




#26
Benzo(a)pyrene
Concen: 0.08 ng/ul
RT: 24.157 min Scan# 6173
Delta R.T. 0.002 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

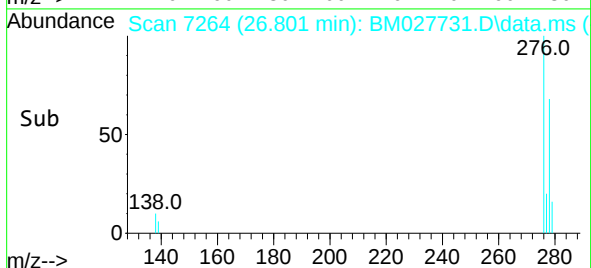
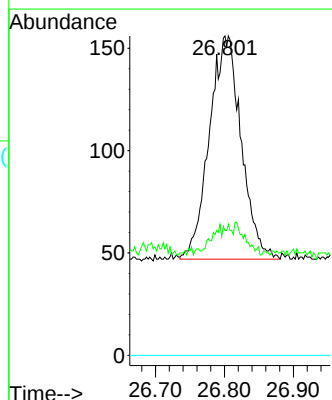
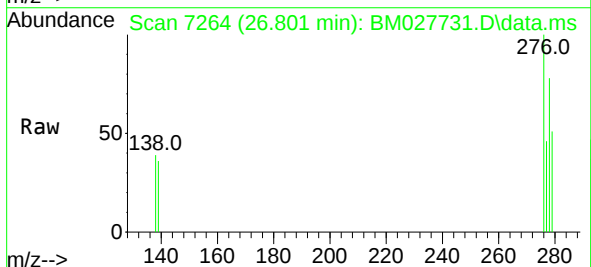
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-05

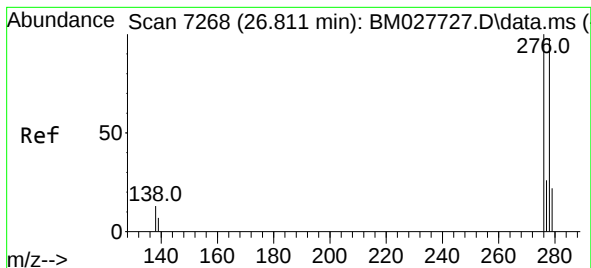
Tgt Ion:252 Resp: 297
Ion Ratio Lower Upper
252 100
253 54.8 22.3 33.5#
125 32.6 8.8 13.2#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng/ul
RT: 26.801 min Scan# 7264
Delta R.T. 0.002 min
Lab File: BM027731.D
Acq: 06 Nov 2020 12:04

Tgt Ion:276 Resp: 350
Ion Ratio Lower Upper
276 100
138 7.1 11.0 16.6#
227 0.0 0.0 0.0





#28

Dibenzo(a,h)anthracene

Concen: 0.08 ng/ul

RT: 26.818 min Scan# 7271

Delta R.T. 0.007 min

Lab File: BM027731.D

Acq: 06 Nov 2020 12:04

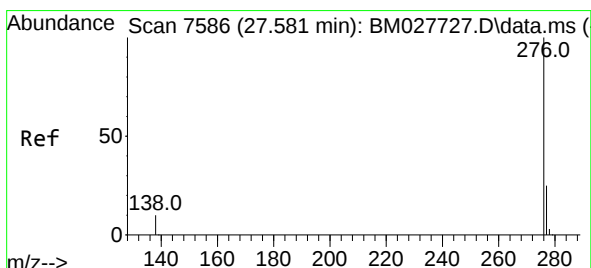
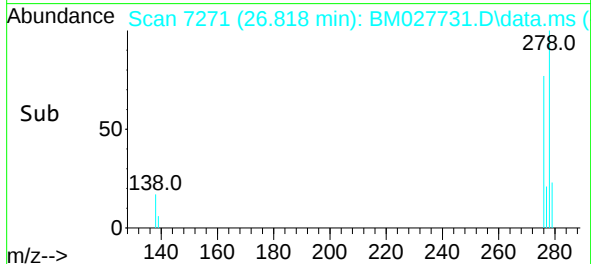
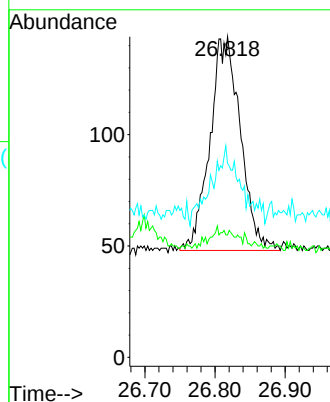
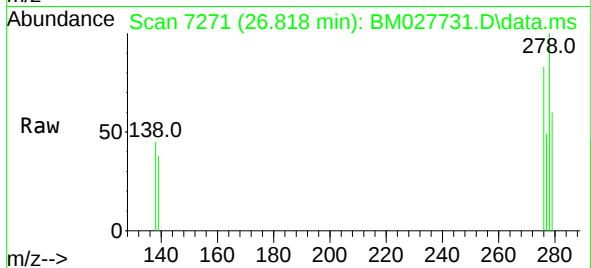
Tgt Ion:278 Resp: 290

Ion Ratio Lower Upper

278 100

139 38.2 12.6 18.8#

279 60.4 24.3 36.5#



#29

Benzo(g,h,i)perylene

Concen: 0.08 ng/ul

RT: 27.581 min Scan# 7586

Delta R.T. -0.000 min

Lab File: BM027731.D

Acq: 06 Nov 2020 12:04

Tgt Ion:276 Resp: 294

Ion Ratio Lower Upper

276 100

138 42.9 15.0 22.4#

277 50.0 24.2 36.2#

