

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081920\
 Data File : BM027140.D
 Acq On : 19 Aug 2020 15:24
 Operator : JU/CG
 Sample : L1955-04
 Misc : MDL-S-04-0.07PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-04

Quant Time: Aug 19 16:07:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM081720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 19 11:15:05 2020
 Response via : Initial Calibration

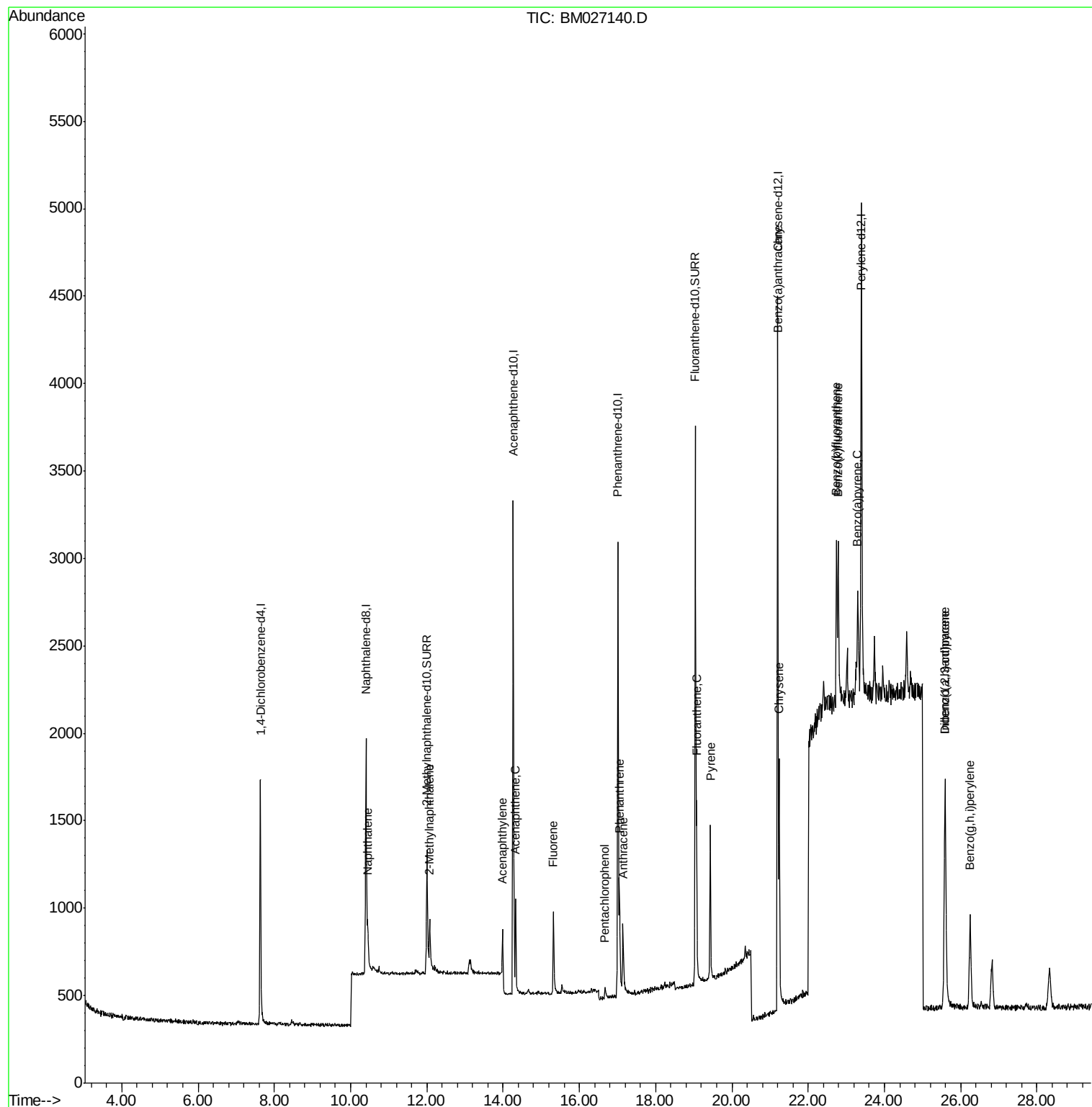
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	784	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	2403	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	1676	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	3889	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	3965	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	3938	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1458	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	4145	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	376	0.052	ng/ul#	56
5) 2-Methylnaphthalene	12.07	142	256	0.052	ng/ul	95
7) Acenaphthylene	13.99	152	360	0.049	ng/ul#	69
8) Acenaphthene	14.33	153	303	0.048	ng/ul#	92
9) Fluorene	15.32	166	387	0.051	ng/ul#	92
11) Pentachlorophenol	16.68	266	58	0.045	ng/ul	90
12) Phenanthrene	17.05	178	674	0.051	ng/ul#	76
13) Anthracene	17.14	178	526	0.044	ng/ul#	73
15) Fluoranthene	19.07	202	863	0.055	ng/ul	81
17) Pyrene	19.43	202	895	0.053	ng/ul#	83
18) Benzo(a)anthracene	21.19	228	1018	0.065	ng/ul#	92
19) Chrysene	21.24	228	1298	0.076	ng/ul#	93
21) Benzo(b)fluoranthene	22.74	252	1177	0.070	ng/ul#	63
22) Benzo(k)fluoranthene	22.79	252	1269	0.072	ng/ul#	60
23) Benzo(a)pyrene	23.30	252	1191	0.078	ng/ul#	54
24) Indeno(1,2,3-cd)pyrene	25.58	276	1439	0.068	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.60	278	1212	0.071	ng/ul#	1
26) Benzo(g,h,i)perylene	26.25	276	1173	0.064	ng/ul#	78

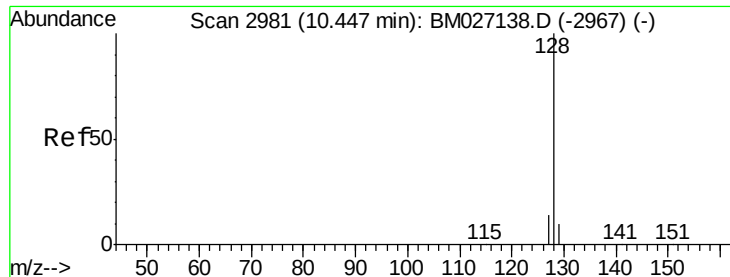
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081920\
Data File : BM027140.D
Acq On : 19 Aug 2020 15:24
Operator : JU/CG
Sample : L1955-04
Misc : MDL-S-04-0.07PPM
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-04

Quant Time: Aug 19 16:07:22 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM081720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 19 11:15:05 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.052 ng/ul

RT: 10.45 min Scan# 2981

Delta R.T. -0.00 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-04

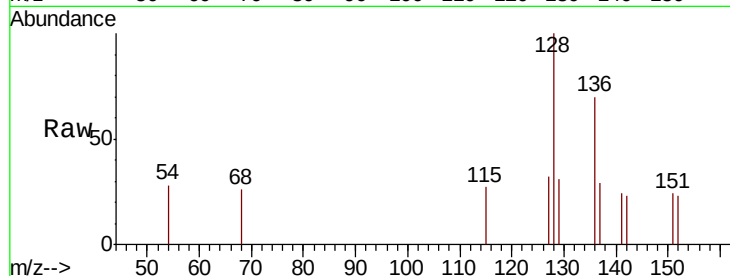
Tot Ion:128 Resp: 376

Ion Ratio Lower Upper

128 100

129 30.8 10.1 15.1#

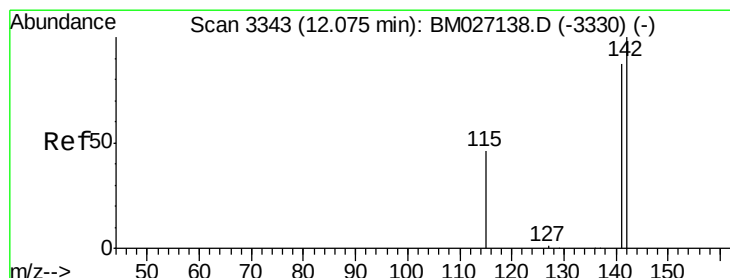
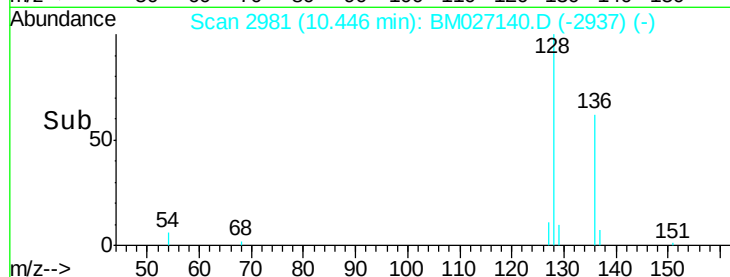
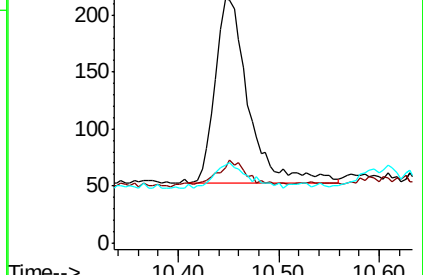
127 31.8 11.6 17.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.052 ng/ul

RT: 12.07 min Scan# 3343

Delta R.T. 0.00 min

Lab File: BM027140.D

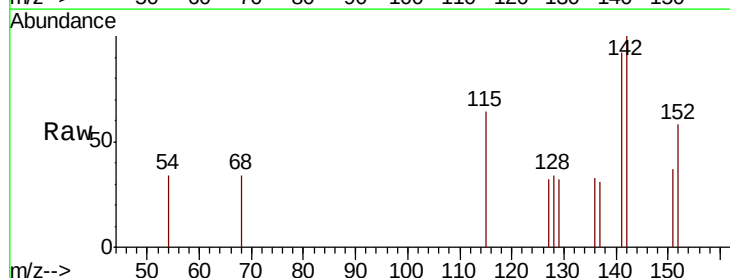
Acq: 19 Aug 2020 15:24

Tgt Ion:142 Resp: 256

Ion Ratio Lower Upper

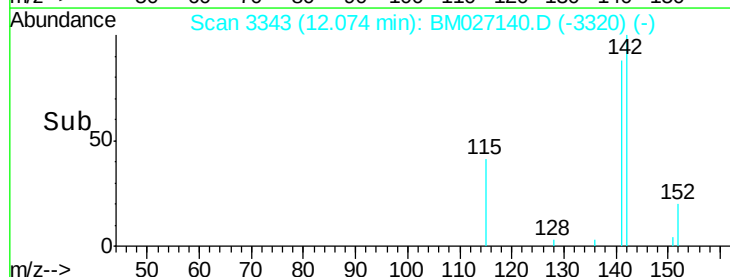
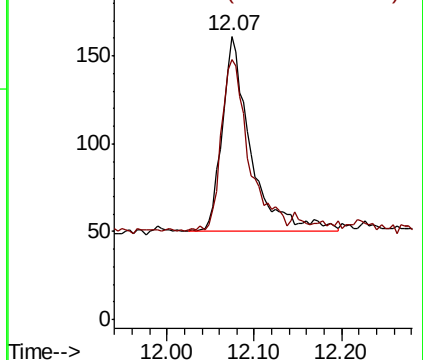
142 100

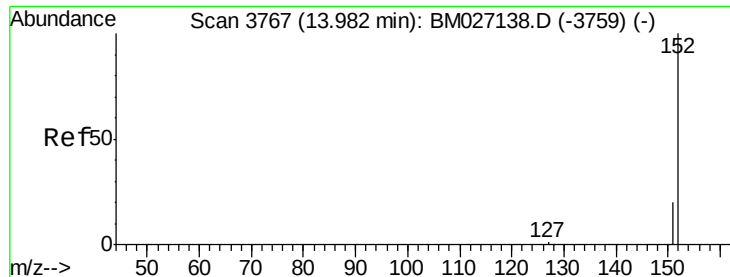
141 85.9 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.049 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. 0.00 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-04

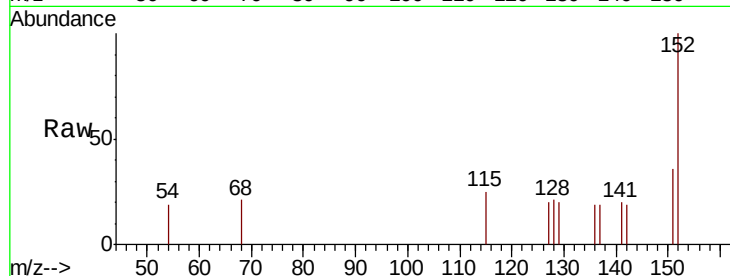
Tot Ion:152 Resp: 360

Ion Ratio Lower Upper

152 100

151 35.5 16.9 25.3#

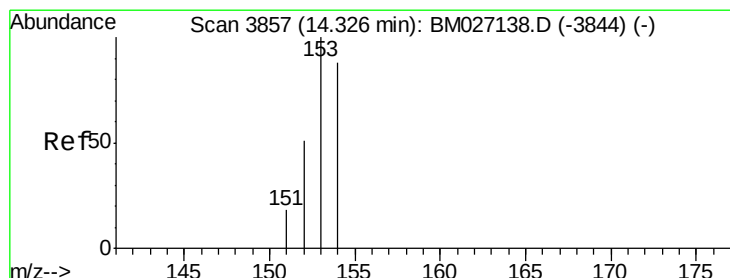
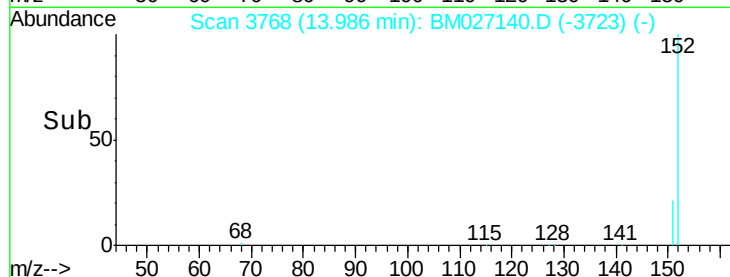
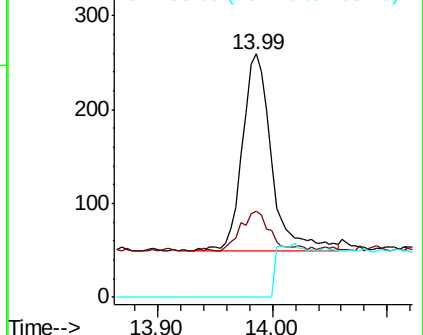
153 0.0 0.0 0.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.048 ng/ul

RT: 14.33 min Scan# 3857

Delta R.T. 0.00 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

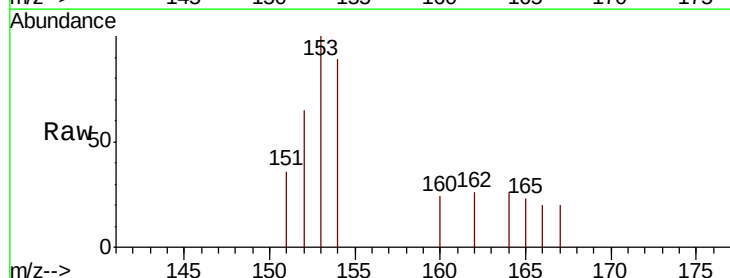
Tgt Ion:153 Resp: 303

Ion Ratio Lower Upper

153 100

152 64.8 40.9 61.3#

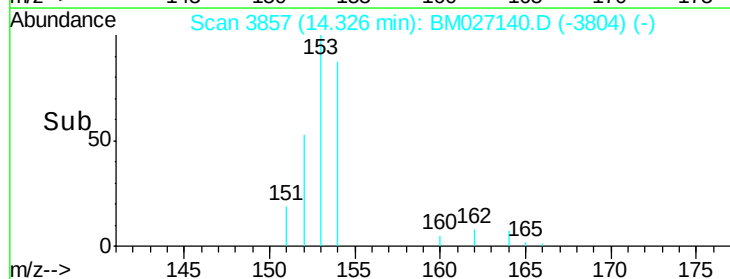
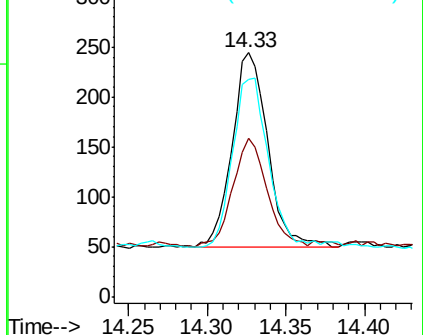
154 89.3 70.0 105.0

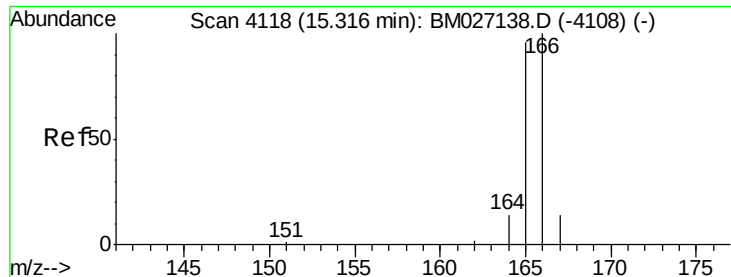


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.051 ng/ul

RT: 15.32 min Scan# 4119

Delta R.T. 0.01 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-04

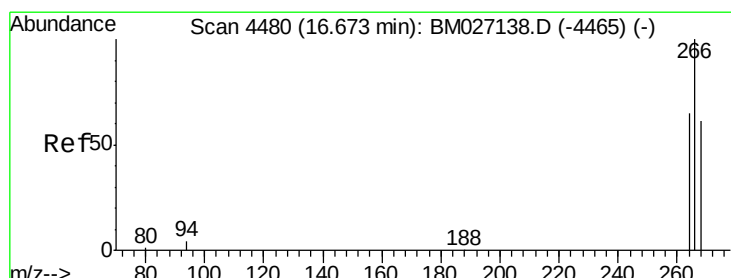
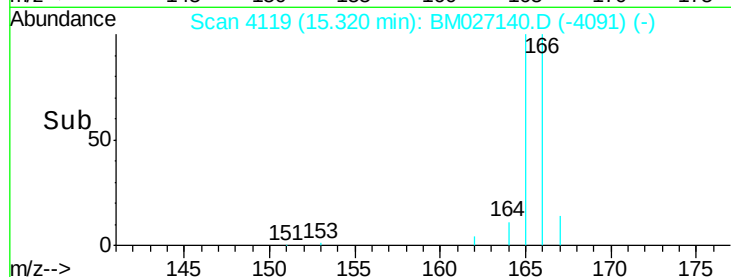
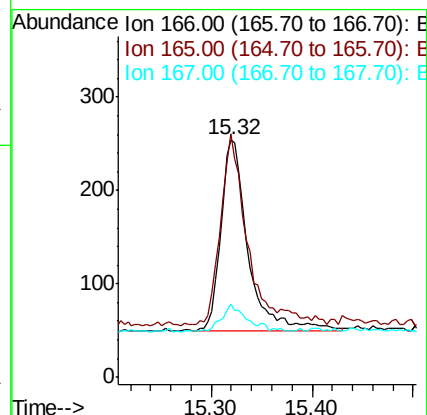
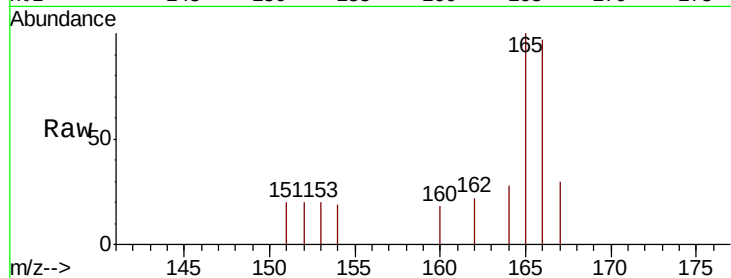
Tot Ion:166 Resp: 387

Ion Ratio Lower Upper

166 100

165 102.8 79.8 119.6

167 30.7 12.1 18.1#



#11

Pentachlorophenol

Concen: 0.045 ng/ul

RT: 16.68 min Scan# 4481

Delta R.T. 0.01 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

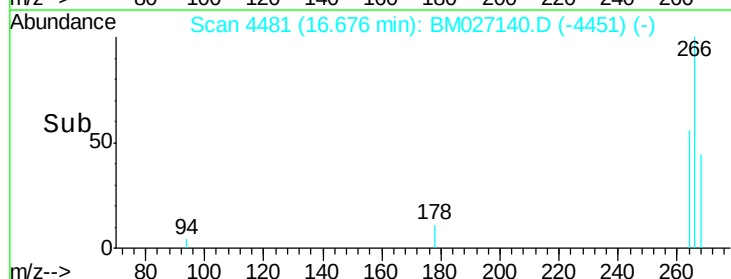
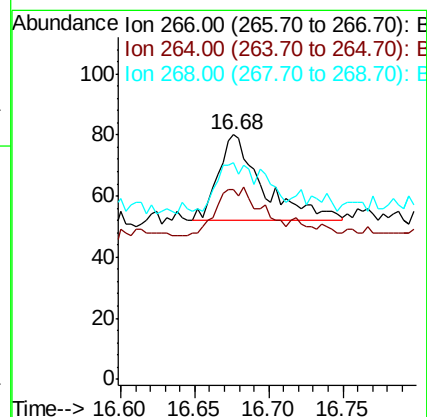
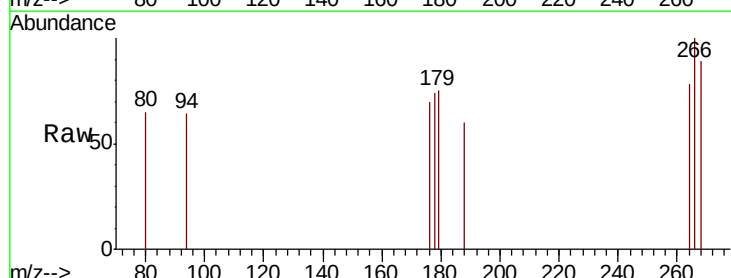
Tgt Ion:266 Resp: 58

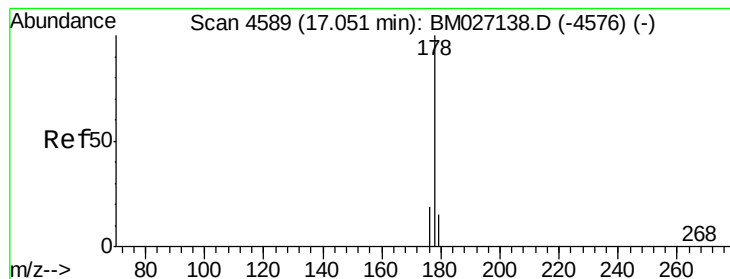
Ion Ratio Lower Upper

266 100

264 56.9 47.8 71.8

268 72.4 48.5 72.7





#12

Phenanthrene

Concen: 0.051 ng/ul

RT: 17.05 min Scan# 4588

Delta R.T. 0.00 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-04

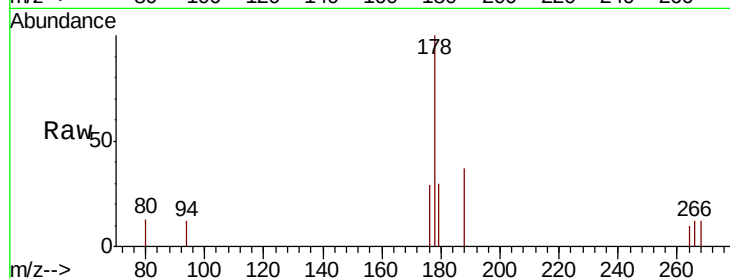
Tot Ion:178 Resp: 674

Ion Ratio Lower Upper

178 100

179 29.6 13.4 20.2#

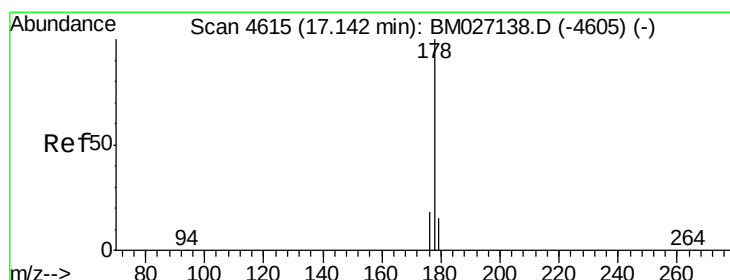
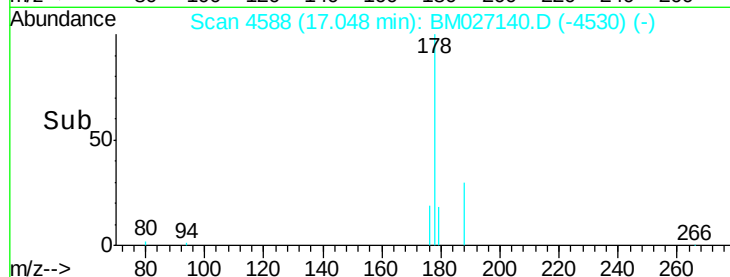
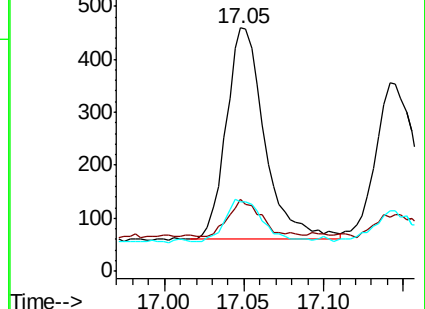
176 28.5 16.0 24.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.044 ng/ul

RT: 17.14 min Scan# 4615

Delta R.T. 0.00 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

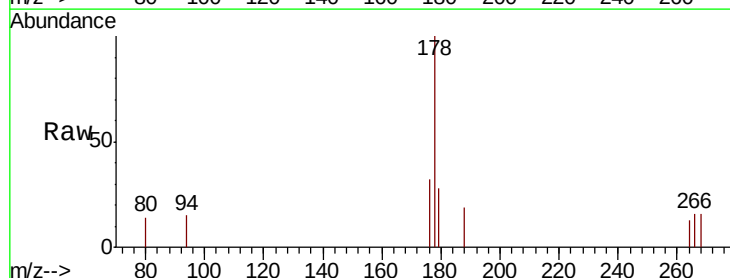
Tgt Ion:178 Resp: 526

Ion Ratio Lower Upper

178 100

179 28.4 13.7 20.5#

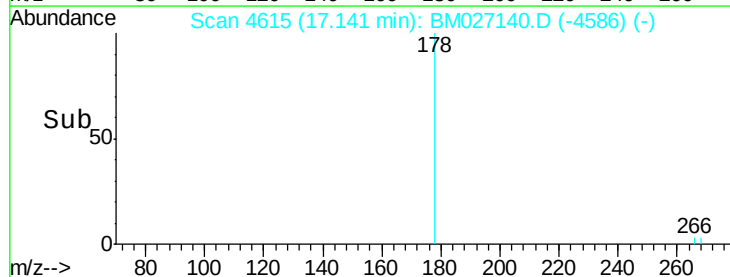
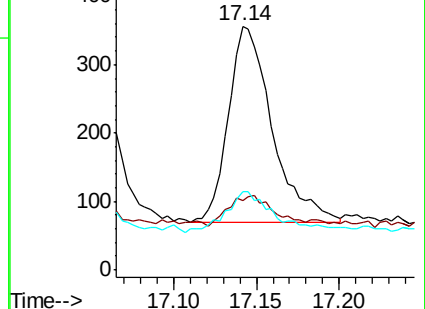
176 32.3 15.5 23.3#

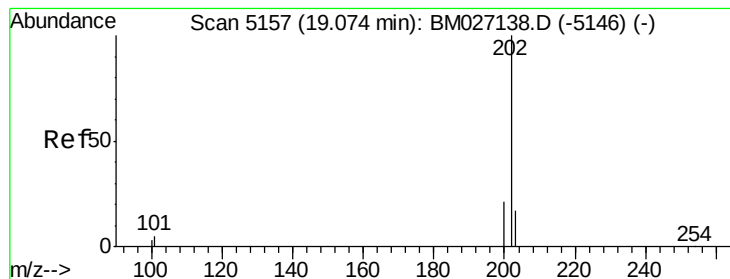


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.055 ng/ul

RT: 19.07 min Scan# 5156

Delta R.T. 0.00 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-04

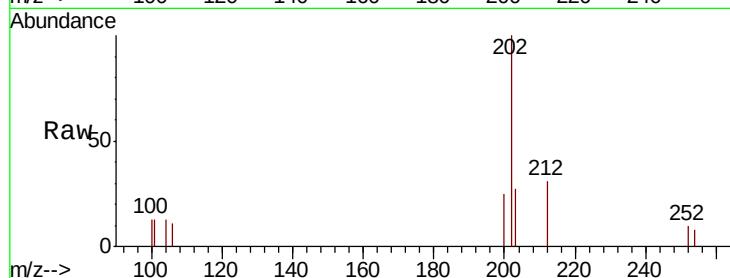
Tot Ion:202 Resp: 863

Ion Ratio Lower Upper

202 100

101 13.2 0.0 27.1

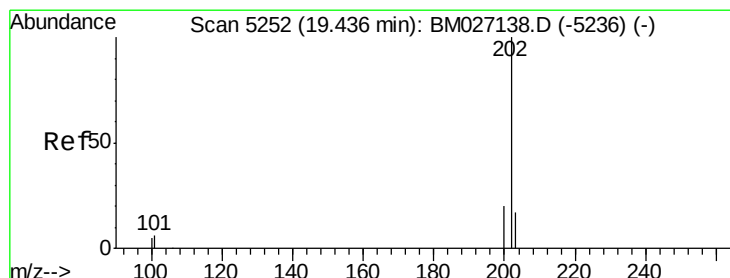
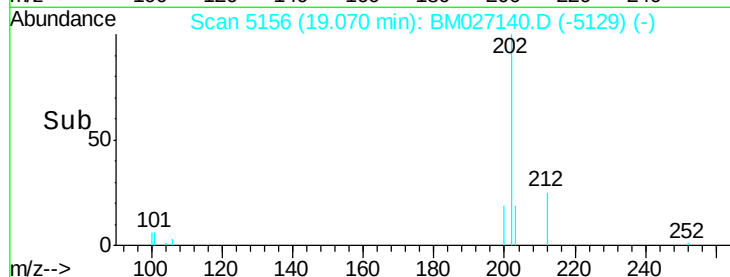
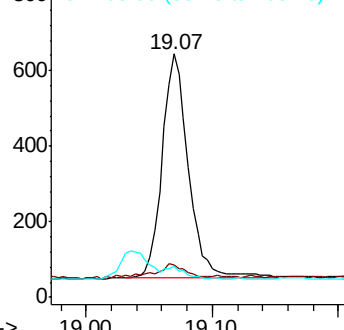
100 12.7 0.0 25.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 0.053 ng/ul

RT: 19.43 min Scan# 5251

Delta R.T. -0.00 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

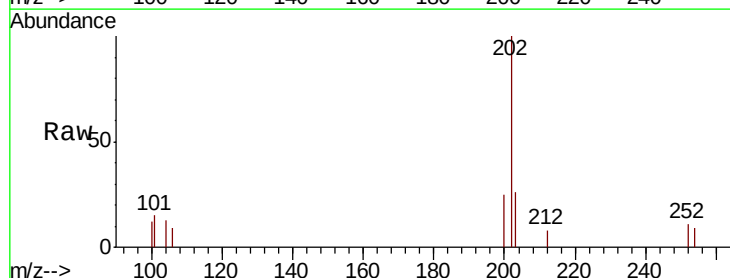
Tgt Ion:202 Resp: 895

Ion Ratio Lower Upper

202 100

101 14.6 6.6 9.8#

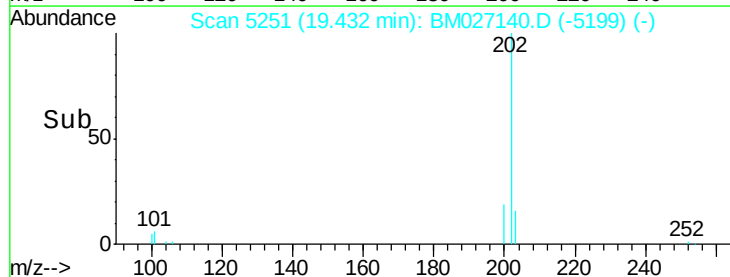
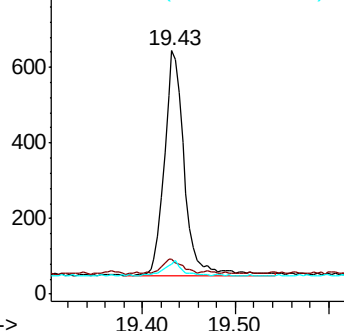
100 12.1 5.6 8.4#

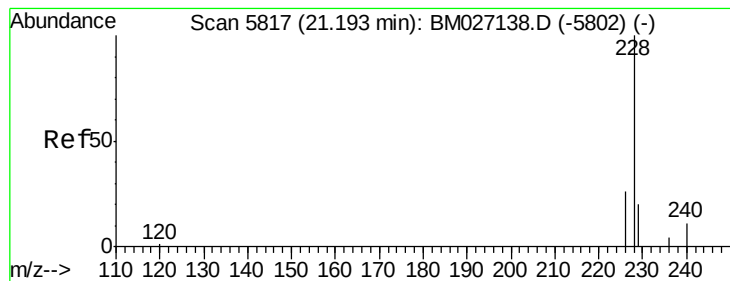


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.065 ng/ul

RT: 21.19 min Scan# 5815

Delta R.T. 0.00 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-04

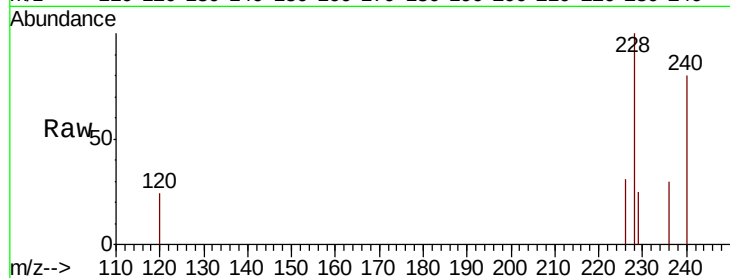
Tot Ion:228 Resp: 1018

Ion Ratio Lower Upper

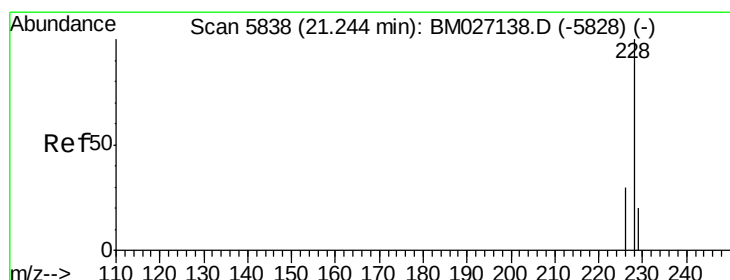
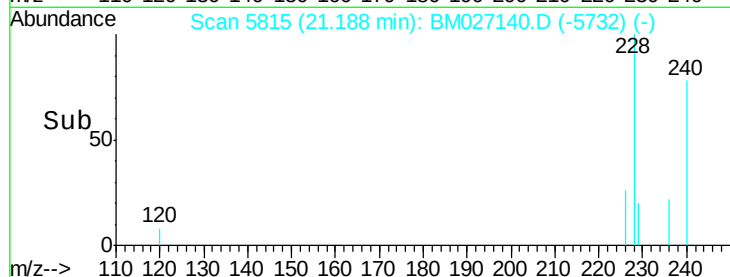
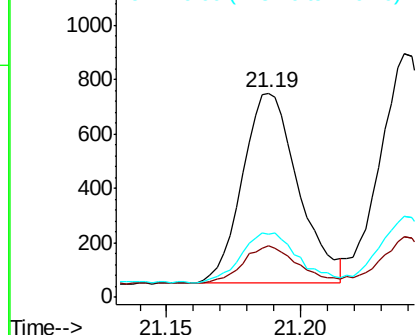
228 100

229 25.3 16.2 24.4#

226 30.9 22.4 33.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.076 ng/ul

RT: 21.24 min Scan# 5836

Delta R.T. -0.00 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

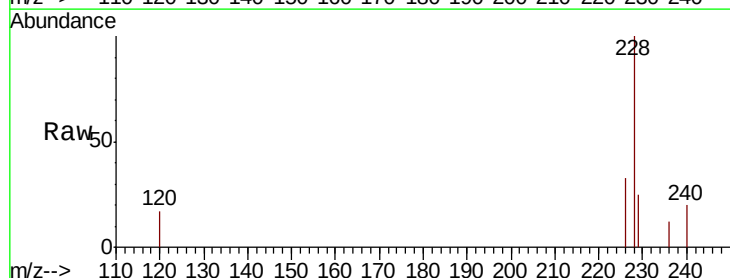
Tgt Ion:228 Resp: 1298

Ion Ratio Lower Upper

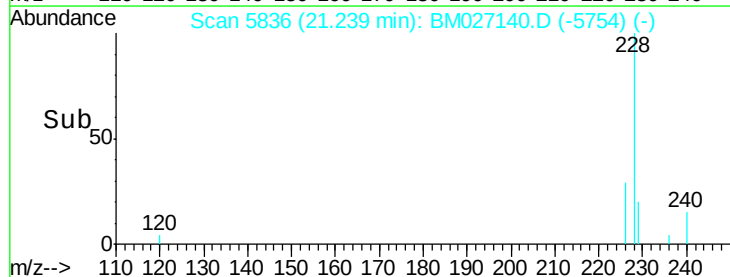
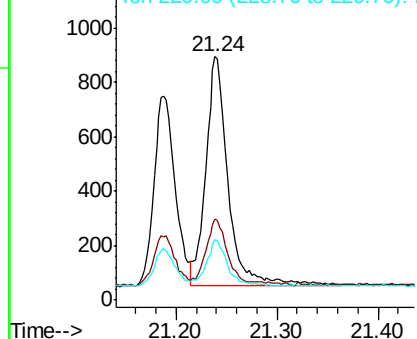
228 100

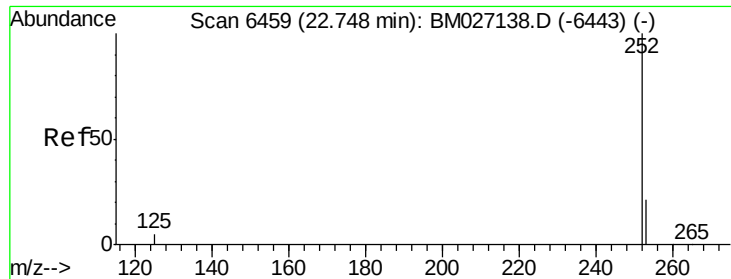
226 33.3 24.6 36.8

229 24.8 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.070 ng/ul

RT: 22.74 min Scan# 6456

Delta R.T. -0.00 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-04

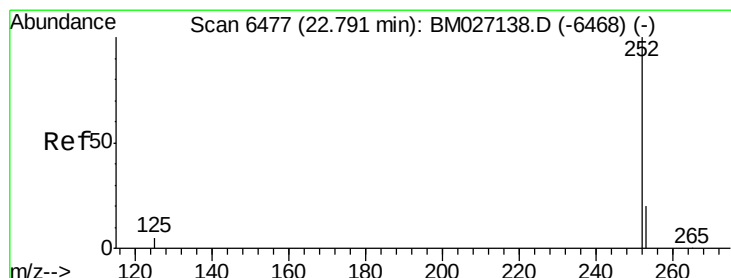
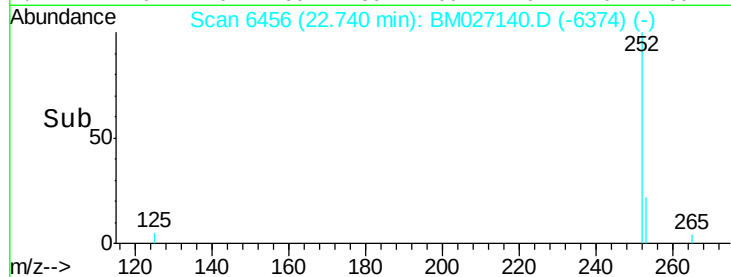
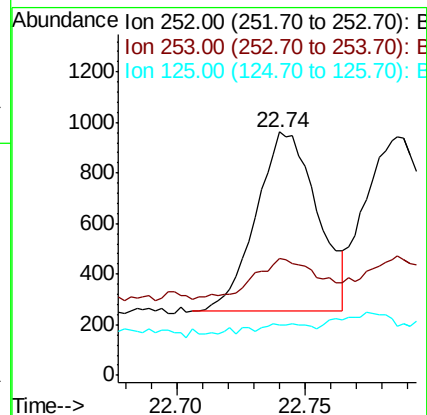
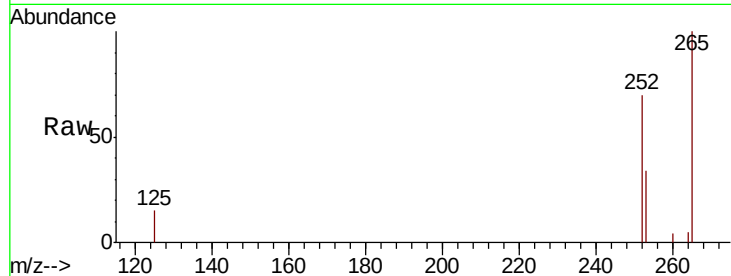
Tot Ion:252 Resp: 1177

Ion Ratio Lower Upper

252 100

253 47.8 0.0 54.0

125 20.9 0.0 20.8#



#22

Benzo(k)fluoranthene

Concen: 0.072 ng/ul

RT: 22.79 min Scan# 6475

Delta R.T. 0.00 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

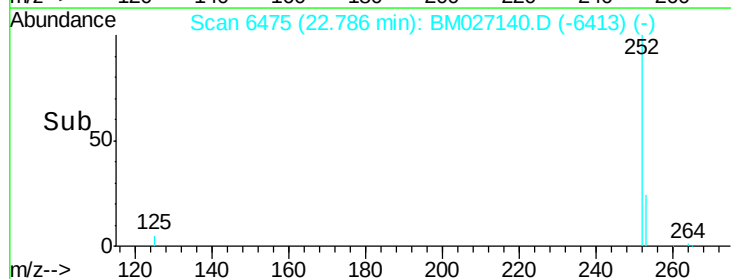
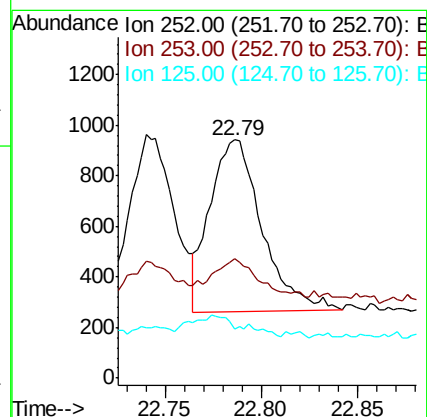
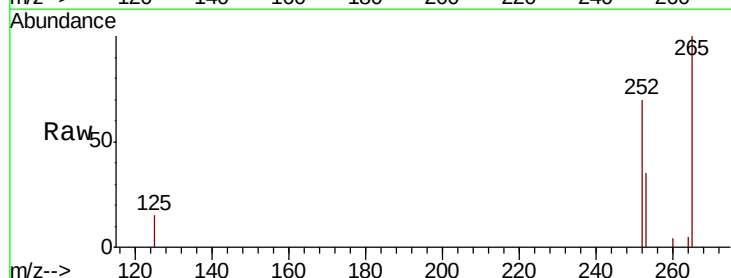
Tgt Ion:252 Resp: 1269

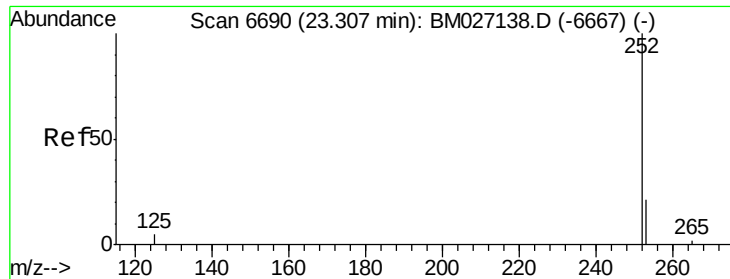
Ion Ratio Lower Upper

252 100

253 50.1 21.7 32.5#

125 20.8 7.9 11.9#





#23

Benzo(a)pyrene

Concen: 0.078 ng/ul

RT: 23.30 min Scan# 6686

Delta R.T. -0.00 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-04

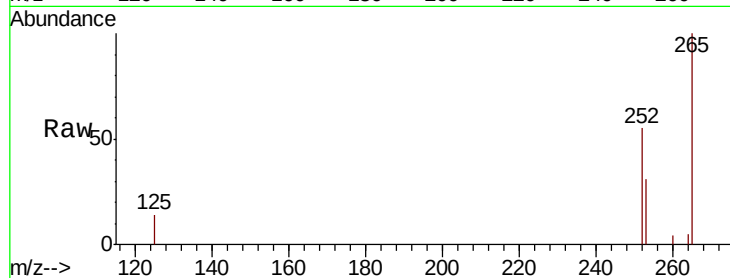
Tot Ion:252 Resp: 1191

Ion Ratio Lower Upper

252 100

253 56.7 23.4 35.0#

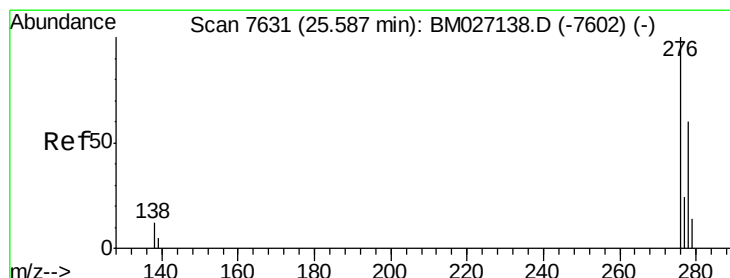
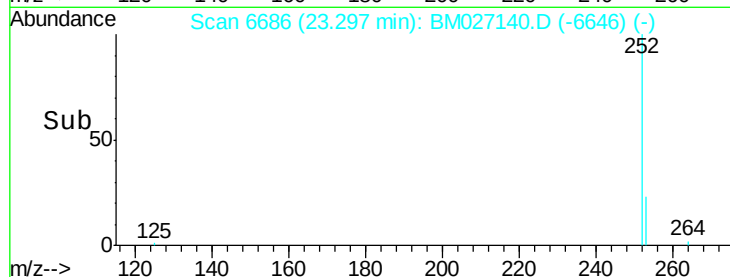
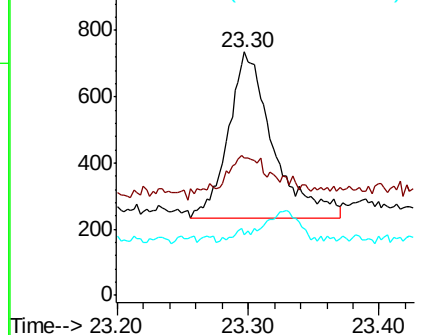
125 25.1 9.4 14.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.068 ng/ul

RT: 25.58 min Scan# 7630

Delta R.T. 0.00 min

Lab File: BM027140.D

Acq: 19 Aug 2020 15:24

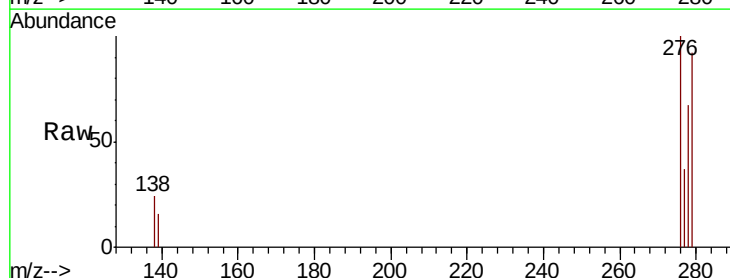
Tgt Ion:276 Resp: 1439

Ion Ratio Lower Upper

276 100

138 13.6 12.2 18.2

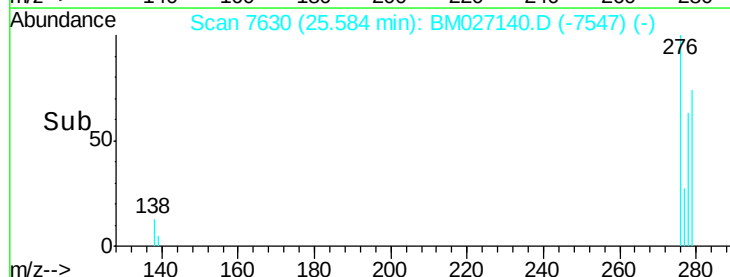
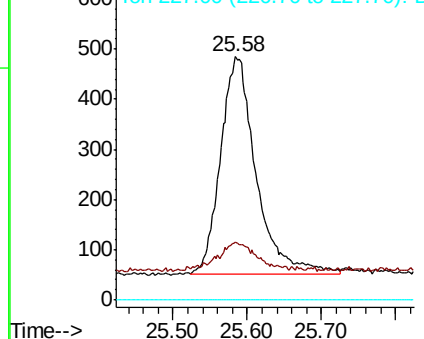
227 0.0 0.0 0.0

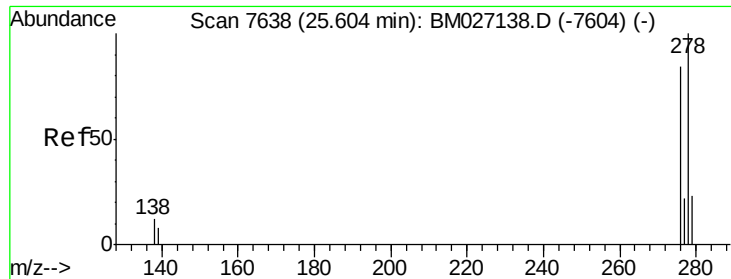


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

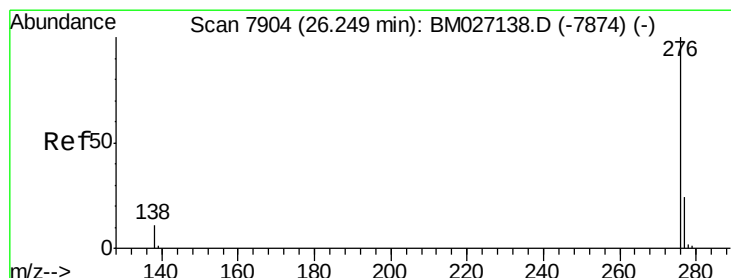
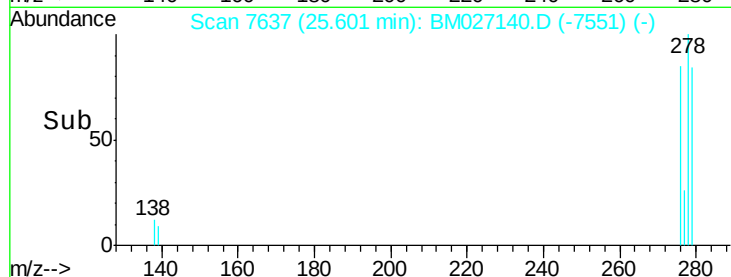
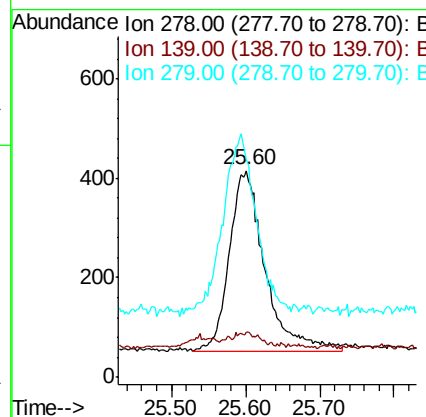
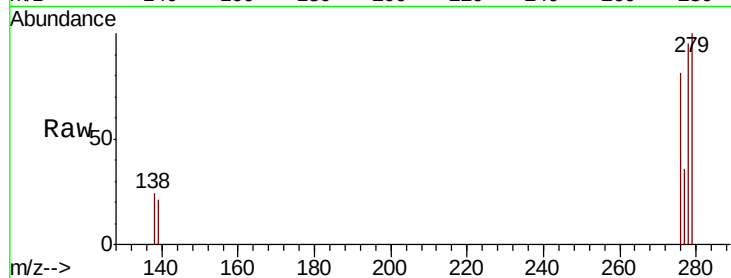




#25
Dibenzo(a,h)anthracene
Concen: 0.071 ng/ul
RT: 25.60 min Scan# 7637
Delta R.T. 0.01 min
Lab File: BM027140.D
Acq: 19 Aug 2020 15:24

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-04

Tot Ion:278 Resp: 1212
Ion Ratio Lower Upper
278 100
139 21.6 10.0 15.0#
279 105.5 22.9 34.3#



#26
Benzo(g,h,i)perylene
Concen: 0.064 ng/ul
RT: 26.25 min Scan# 7904
Delta R.T. 0.01 min
Lab File: BM027140.D
Acq: 19 Aug 2020 15:24

Tgt Ion:276 Resp: 1173
Ion Ratio Lower Upper
276 100
138 23.4 12.0 18.0#
277 37.5 20.9 31.3#

