

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082020\
 Data File : BM027159.D
 Acq On : 20 Aug 2020 16:23
 Operator : JU/CG
 Sample : L1955-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-07

Quant Time: Aug 20 16:57:46 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 : Thu Aug 20 06:55:50 2020
 Response via : Initial Calibration

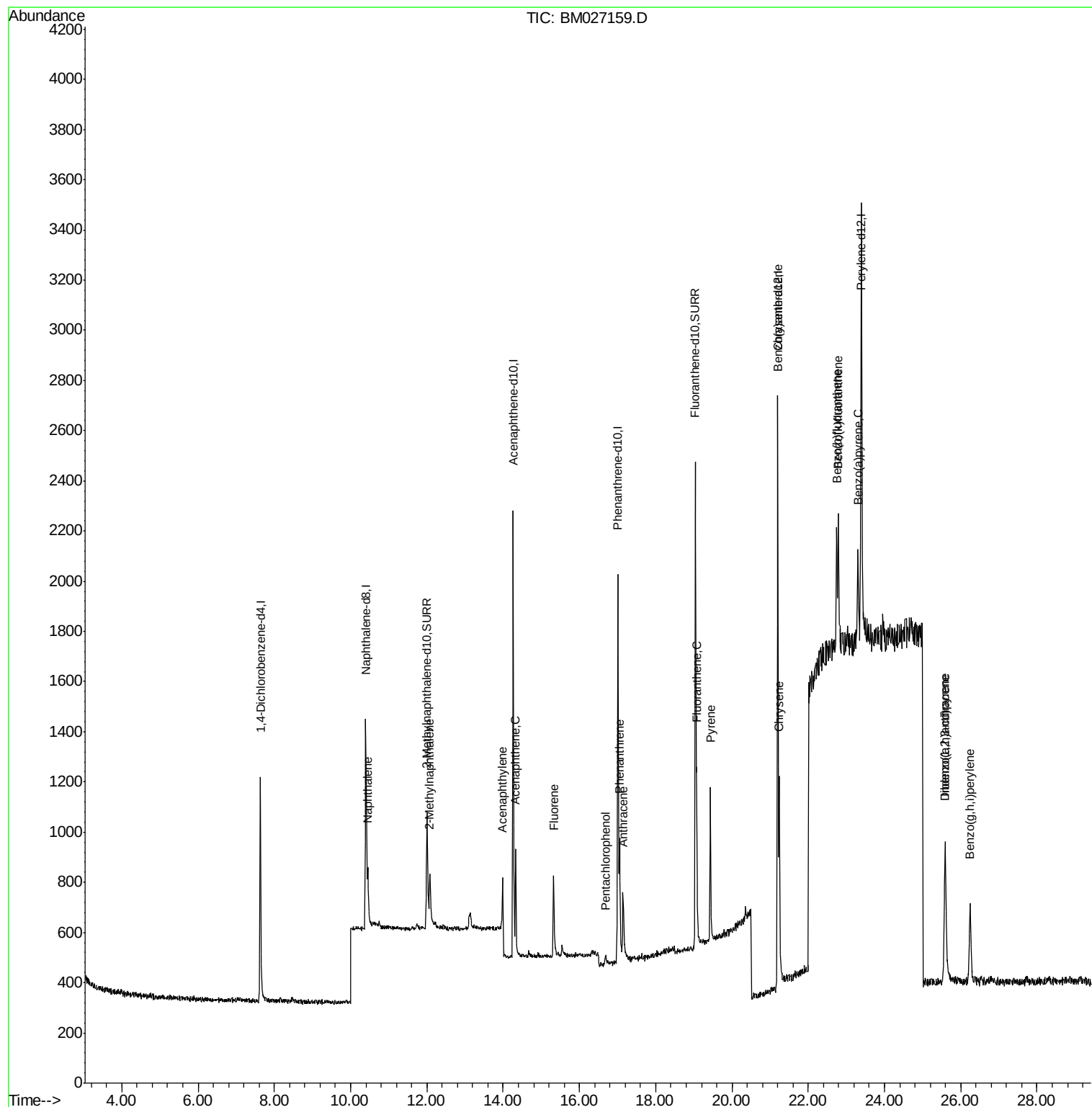
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	511	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	1642	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	1062	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	2458	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	2382	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	2497	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	974	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	2752	0.39	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	297	0.060	ng/ul#	47
5) 2-Methylnaphthalene	12.08	142	193	0.057	ng/ul	95
7) Acenaphthylene	13.98	152	275	0.060	ng/ul#	65
8) Acenaphthene	14.32	153	251	0.063	ng/ul	90
9) Fluorene	15.32	166	290	0.060	ng/ul#	90
11) Pentachlorophenol	16.69	266	51	0.063	ng/ul#	70
12) Phenanthrene	17.05	178	522	0.063	ng/ul#	70
13) Anthracene	17.14	178	403	0.053	ng/ul#	59
15) Fluoranthene	19.07	202	630	0.063	ng/ul	74
17) Pyrene	19.43	202	634	0.062	ng/ul#	78
18) Benzo(a)anthracene	21.19	228	569	0.060	ng/ul#	82
19) Chrysene	21.24	228	736	0.072	ng/ul#	90
21) Benzo(b)fluoranthene	22.74	252	719	0.067	ng/ul#	44
22) Benzo(k)fluoranthene	22.79	252	782	0.070	ng/ul#	47
23) Benzo(a)pyrene	23.30	252	608	0.063	ng/ul#	38
24) Indeno(1,2,3-cd)pyrene	25.58	276	822	0.061	ng/ul#	80
25) Dibenzo(a,h)anthracene	25.60	278	639	0.059	ng/ul#	29
26) Benzo(g,h,i)perylene	26.24	276	717	0.062	ng/ul#	70

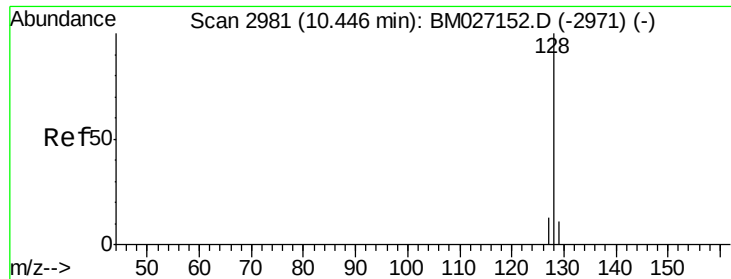
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.060 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. 0.00 min

Lab File: BM027159.D

Acq: 20 Aug 2020 16:23

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-07

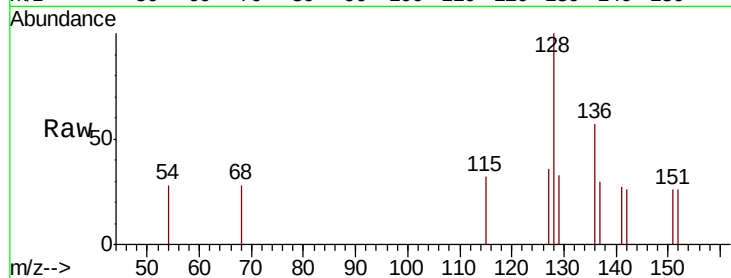
Tot Ion:128 Resp: 297

Ion Ratio Lower Upper

128 100

129 33.2 10.1 15.1#

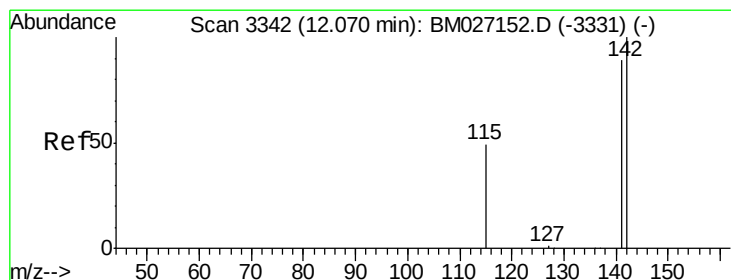
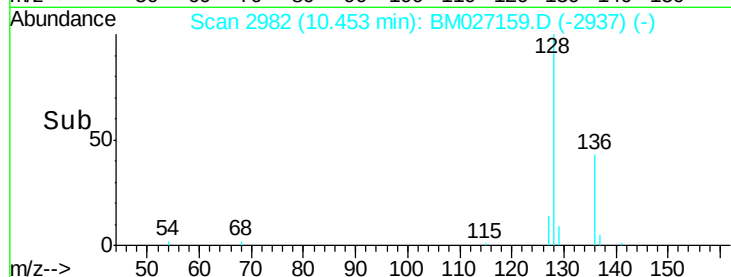
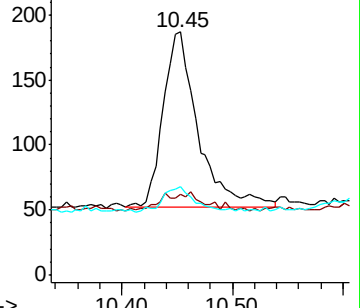
127 36.4 11.6 17.4#



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: 0.057 ng/ul

RT: 12.08 min Scan# 3343

Delta R.T. 0.01 min

Lab File: BM027159.D

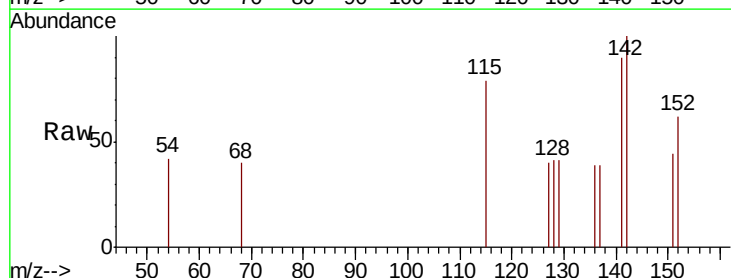
Acq: 20 Aug 2020 16:23

Tgt Ion:142 Resp: 193

Ion Ratio Lower Upper

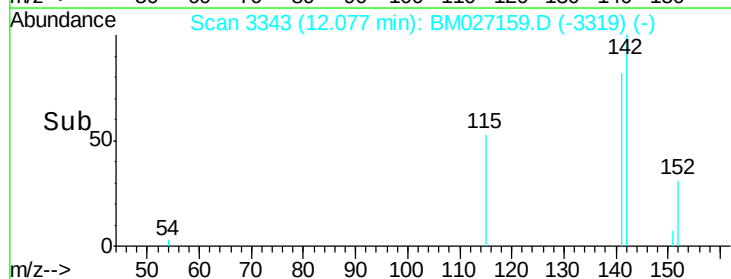
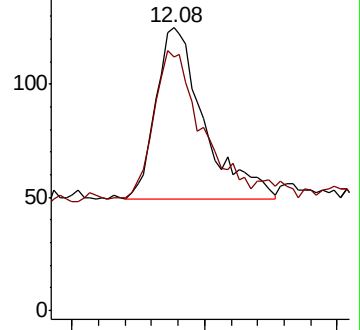
142 100

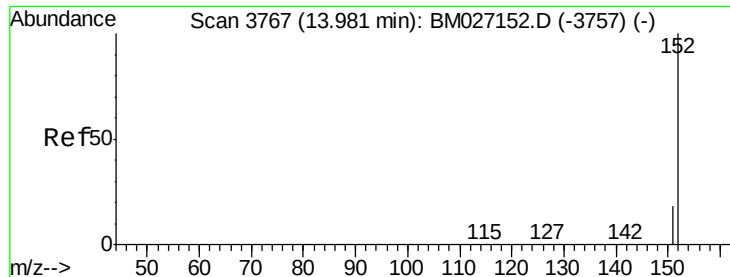
141 86.5 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.060 ng/ul

RT: 13.98 min Scan# 3767

Delta R.T. 0.00 min

Lab File: BM027159.D

Acq: 20 Aug 2020 16:23

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-07

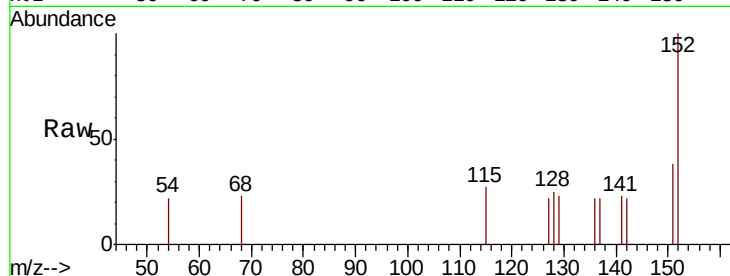
Tot Ion:152 Resp: 275

Ion Ratio Lower Upper

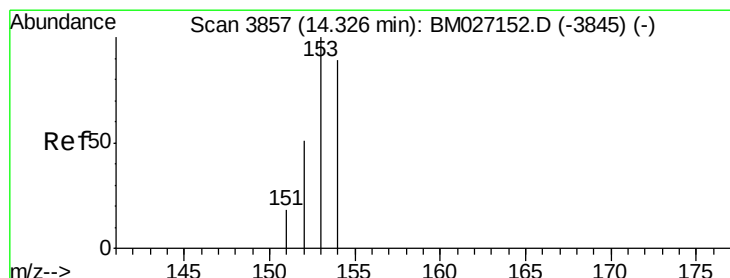
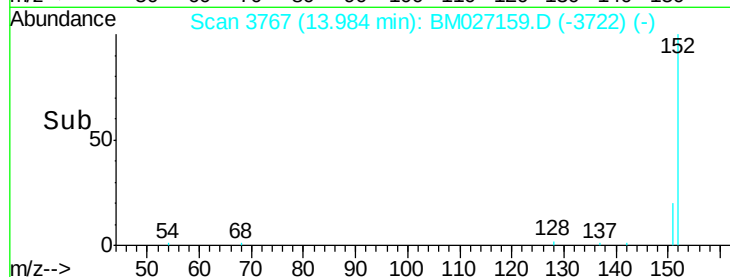
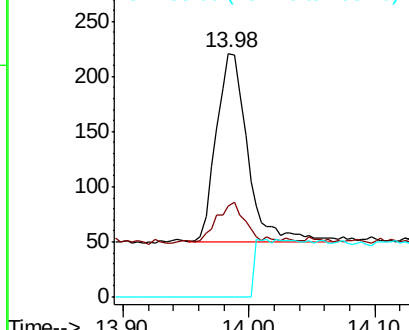
152 100

151 37.6 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: 0.063 ng/ul

RT: 14.32 min Scan# 3856

Delta R.T. 0.00 min

Lab File: BM027159.D

Acq: 20 Aug 2020 16:23

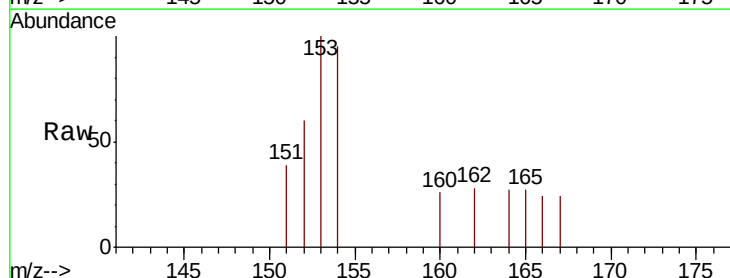
Tgt Ion:153 Resp: 251

Ion Ratio Lower Upper

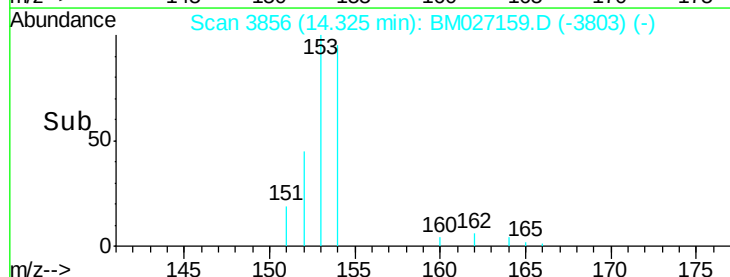
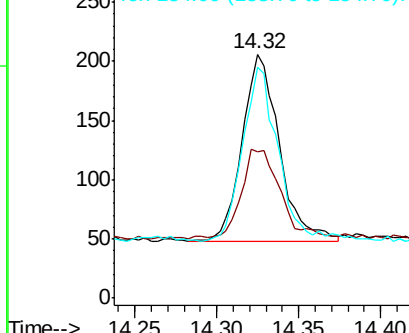
153 100

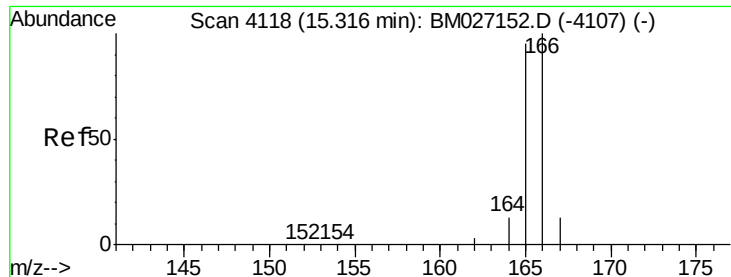
152 60.2 40.9 61.3

154 94.7 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

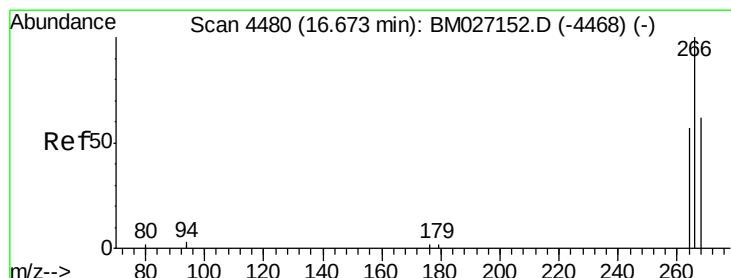
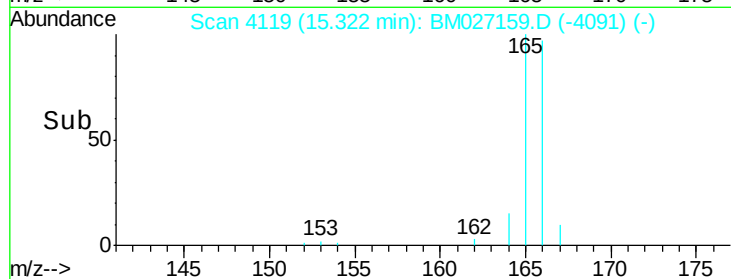
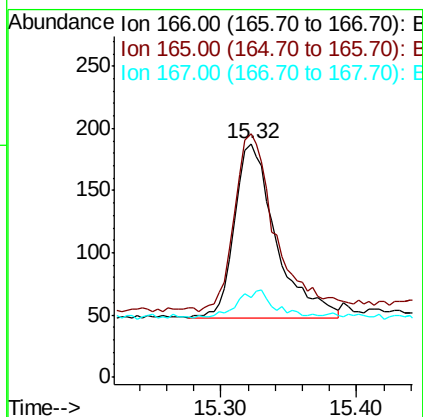
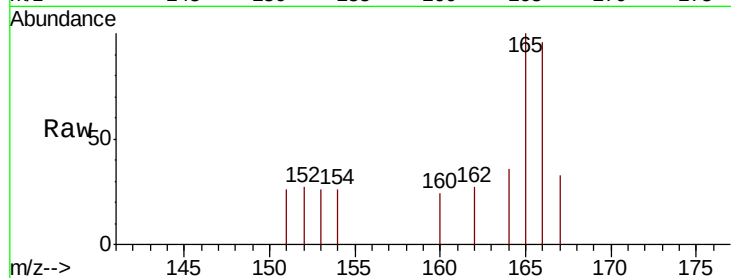




#9
Fluorene
 Concen: 0.060 ng/ul
 RT: 15.32 min Scan# 4119
 Delta R.T. 0.01 min
 Lab File: BM027159.D
 Acq: 20 Aug 2020 16:23

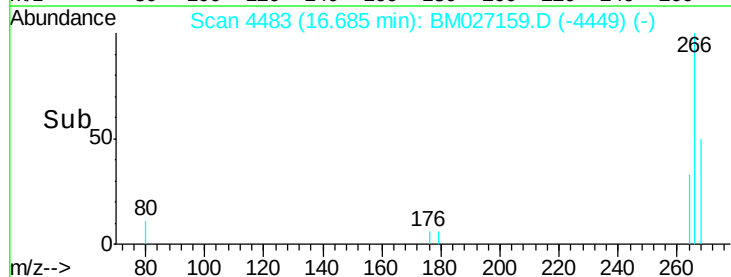
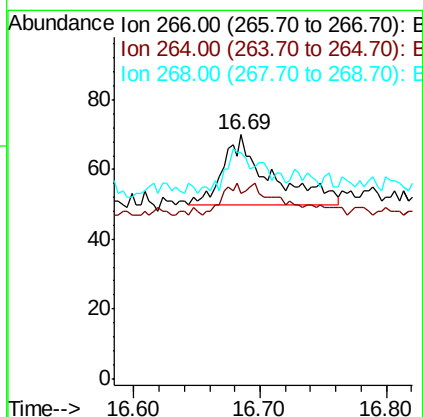
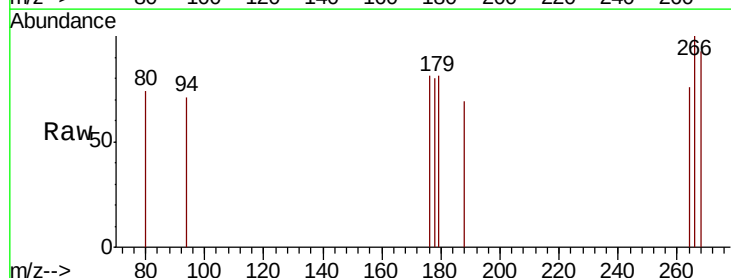
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-07

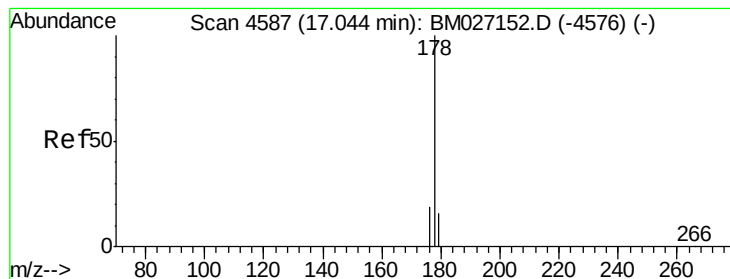
Tot Ion:166 Resp: 290
 Ion Ratio Lower Upper
 166 100
 165 104.3 79.8 119.6
 167 34.0 12.1 18.1#



#11
Pentachlorophenol
 Concen: 0.063 ng/ul
 RT: 16.69 min Scan# 4483
 Delta R.T. 0.02 min
 Lab File: BM027159.D
 Acq: 20 Aug 2020 16:23

Tgt Ion:266 Resp: 51
 Ion Ratio Lower Upper
 266 100
 264 21.6 47.8 71.8#
 268 52.9 48.5 72.7





#12

Phenanthrene

Concen: 0.063 ng/ul

RT: 17.05 min Scan# 4588

Delta R.T. 0.00 min

Lab File: BM027159.D

Acq: 20 Aug 2020 16:23

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-07

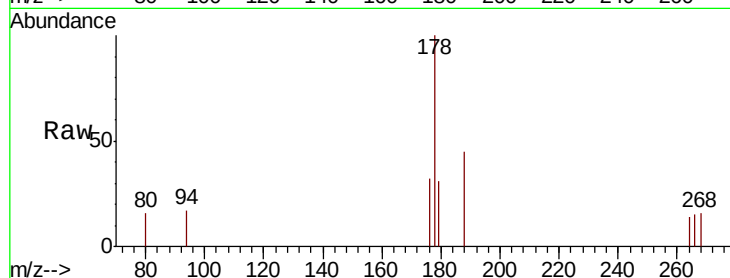
Tot Ion:178 Resp: 522

Ion Ratio Lower Upper

178 100

179 31.1 13.4 20.2#

176 32.3 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

17.05

400

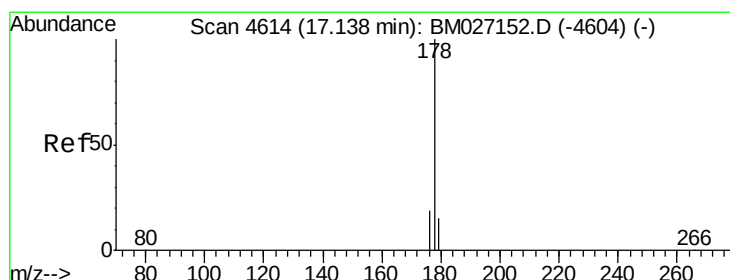
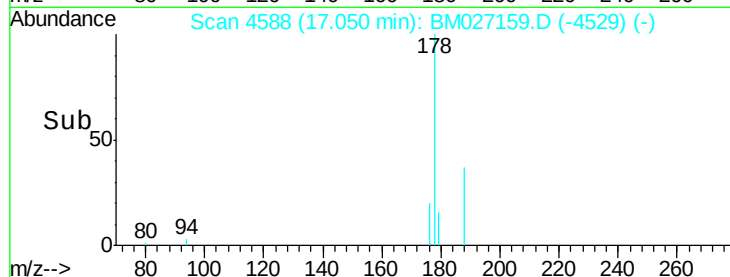
300

200

100

0

Time-->



#13

Anthracene

Concen: 0.053 ng/ul

RT: 17.14 min Scan# 4615

Delta R.T. 0.00 min

Lab File: BM027159.D

Acq: 20 Aug 2020 16:23

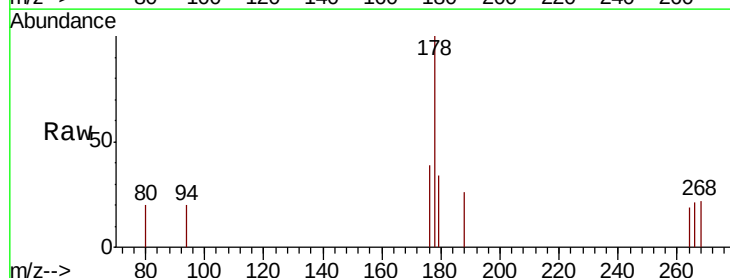
Tgt Ion:178 Resp: 403

Ion Ratio Lower Upper

178 100

179 34.0 13.7 20.5#

176 38.7 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

17.14

400

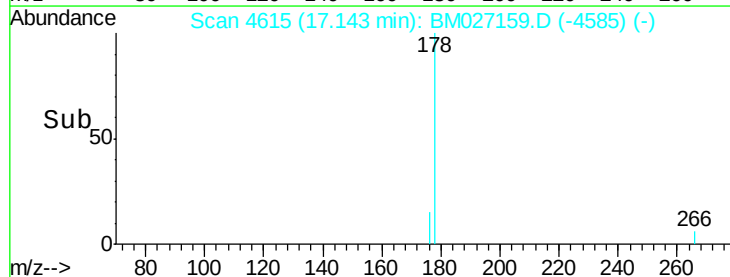
300

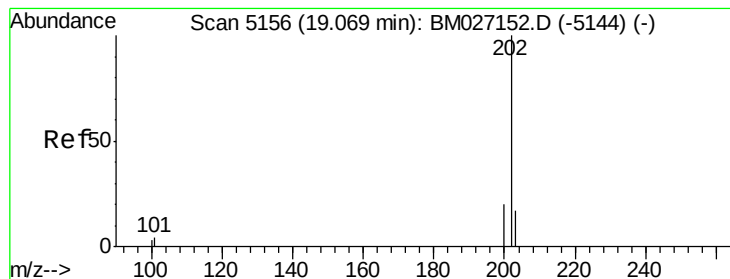
200

100

0

Time-->





#15

Fluoranthene

Concen: 0.063 ng/ul

RT: 19.07 min Scan# 5156

Delta R.T. 0.00 min

Lab File: BM027159.D

Acq: 20 Aug 2020 16:23

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-07

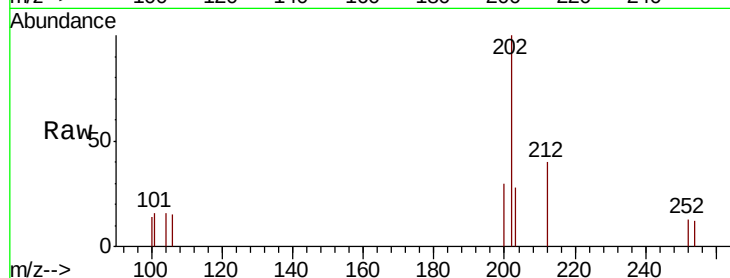
Tot Ion:202 Resp: 630

Ion Ratio Lower Upper

202 100

101 16.3 0.0 27.1

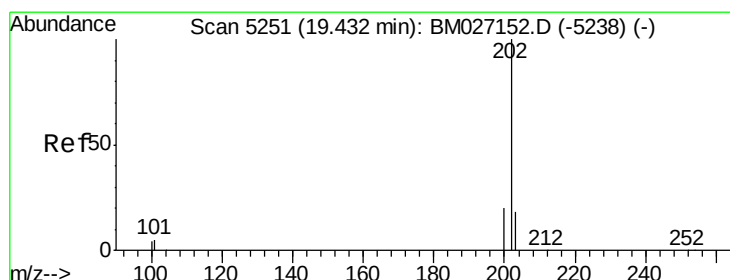
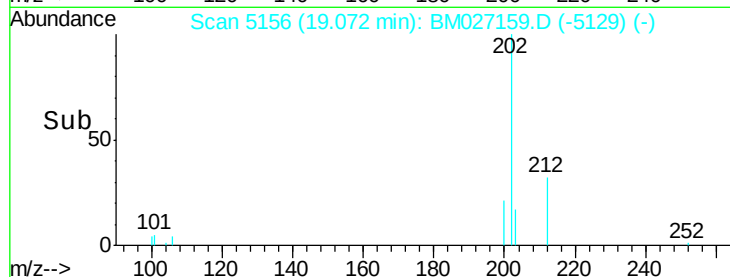
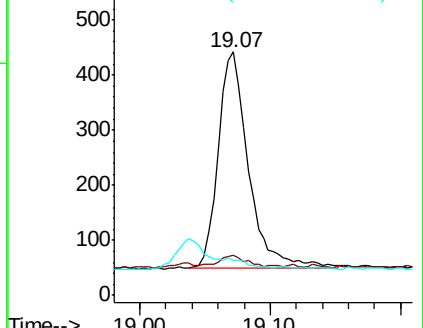
100 14.3 0.0 25.7



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: 0.062 ng/ul

RT: 19.43 min Scan# 5251

Delta R.T. 0.00 min

Lab File: BM027159.D

Acq: 20 Aug 2020 16:23

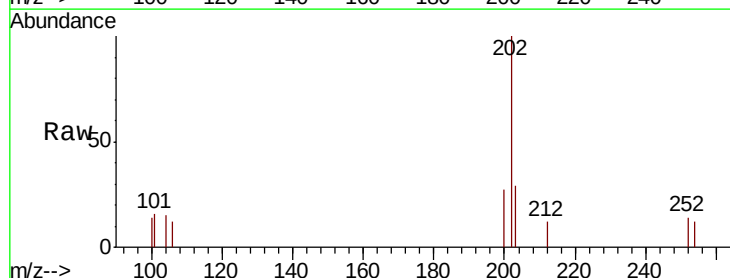
Tgt Ion:202 Resp: 634

Ion Ratio Lower Upper

202 100

101 16.1 6.6 9.8#

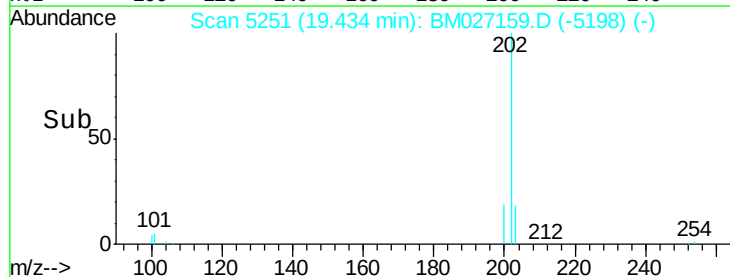
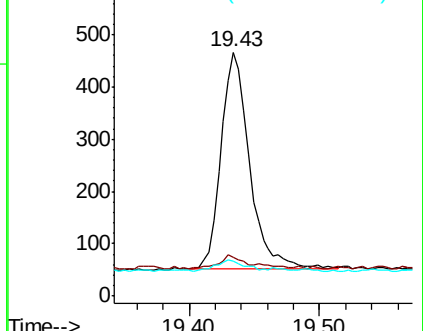
100 14.2 5.6 8.4#

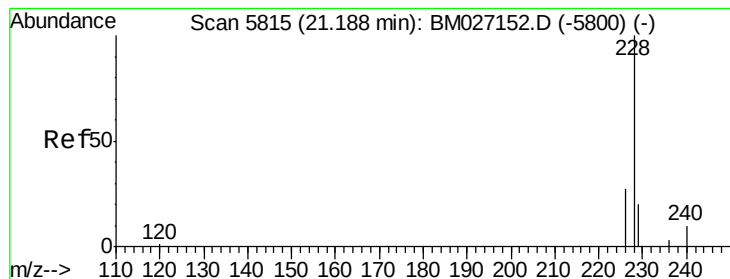


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.060 ng/ul

RT: 21.19 min Scan# 5815

Delta R.T. 0.01 min

Lab File: BM027159.D

Acq: 20 Aug 2020 16:23

Instrument :

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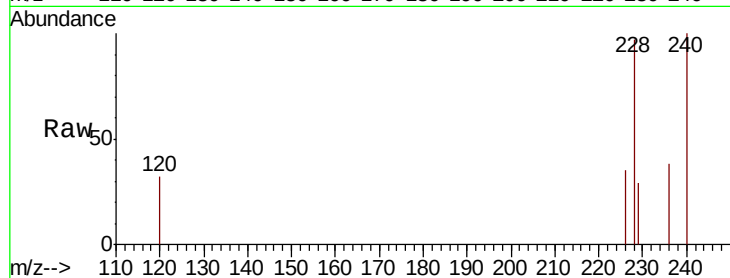
Tot Ion:228 Resp: 569

Ion Ratio Lower Upper

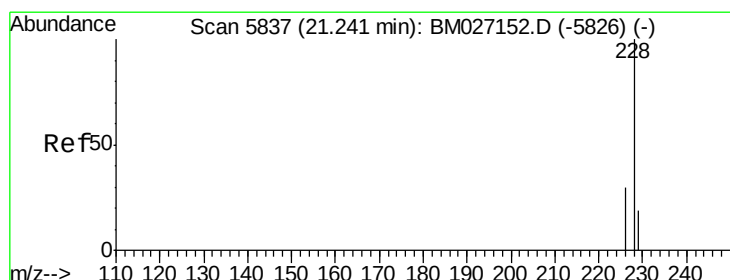
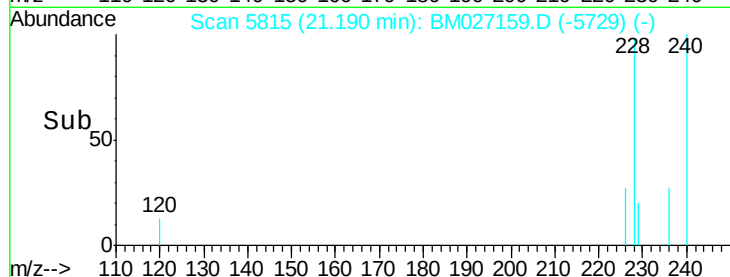
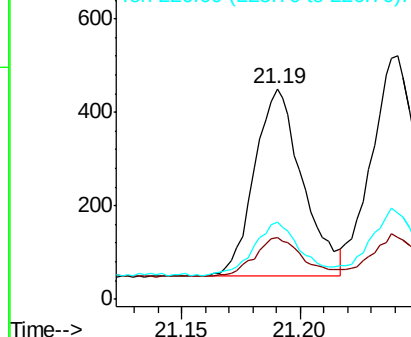
228 100

229 29.3 16.2 24.4#

226 36.4 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: 0.072 ng/ul

RT: 21.24 min Scan# 5836

Delta R.T. 0.01 min

Lab File: BM027159.D

Acq: 20 Aug 2020 16:23

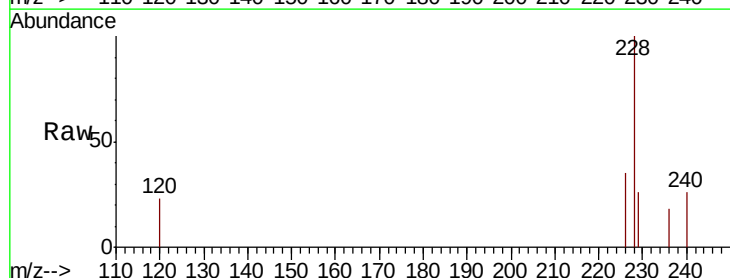
Tgt Ion:228 Resp: 736

Ion Ratio Lower Upper

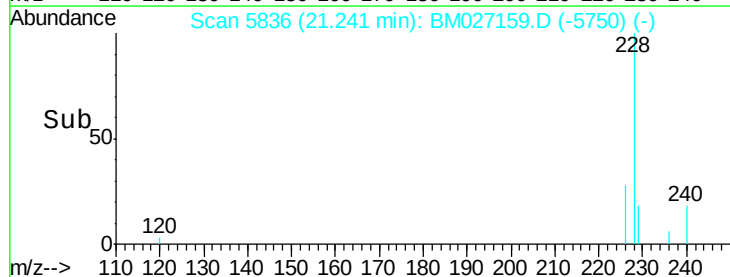
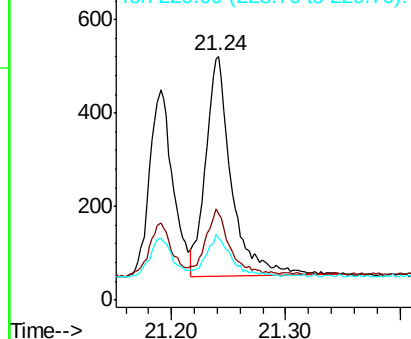
228 100

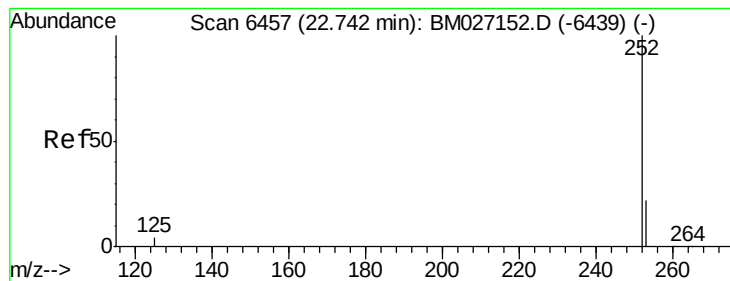
226 35.1 24.6 36.8

229 25.5 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: 0.067 ng/ul

RT: 22.74 min Scan# 6457

Delta R.T. 0.01 min

Lab File: BM027159.D

Acq: 20 Aug 2020 16:23

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-07

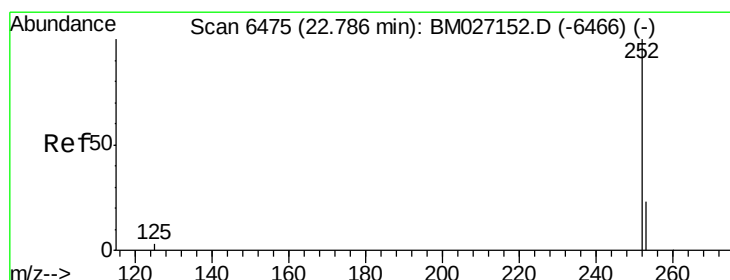
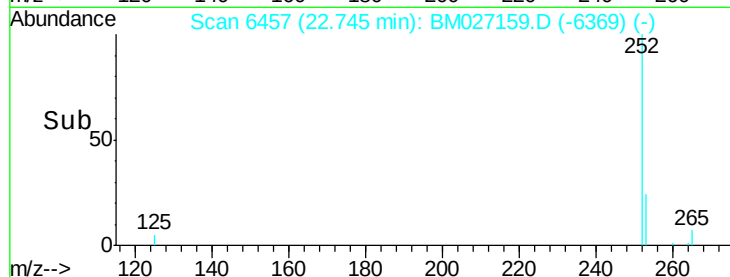
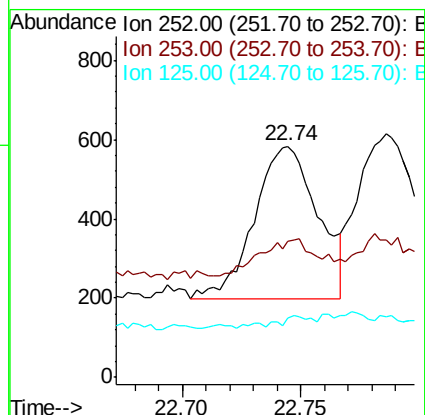
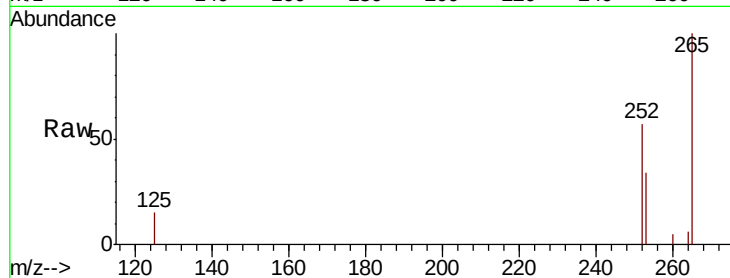
Tot Ion:252 Resp: 719

Ion Ratio Lower Upper

252 100

253 59.1 0.0 54.0#

125 25.9 0.0 20.8#



#22

Benzo(k)fluoranthene

Concen: 0.070 ng/ul

RT: 22.79 min Scan# 6474

Delta R.T. 0.01 min

Lab File: BM027159.D

Acq: 20 Aug 2020 16:23

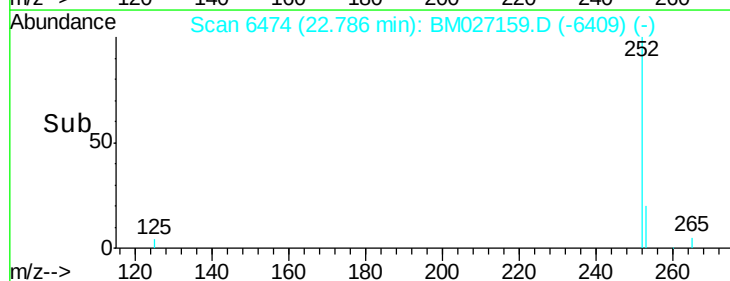
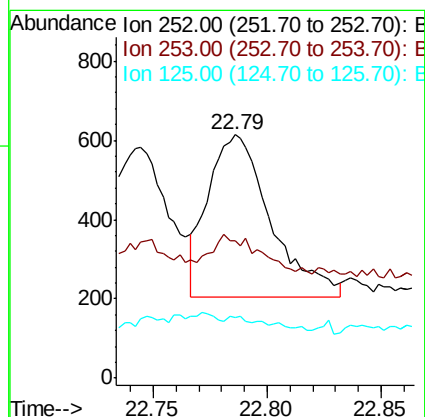
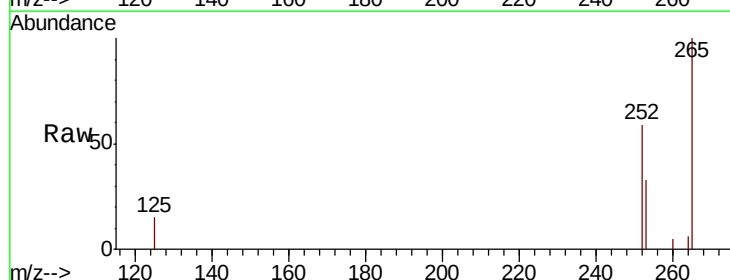
Tgt Ion:252 Resp: 782

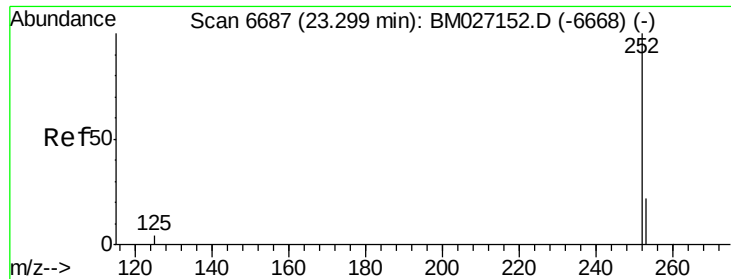
Ion Ratio Lower Upper

252 100

253 56.7 21.7 32.5#

125 25.1 7.9 11.9#





#23

Benzo(a)pyrene

Concen: 0.063 ng/ul

RT: 23.30 min Scan# 6686

Delta R.T. 0.01 min

Lab File: BM027159.D

Acq: 20 Aug 2020 16:23

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-07

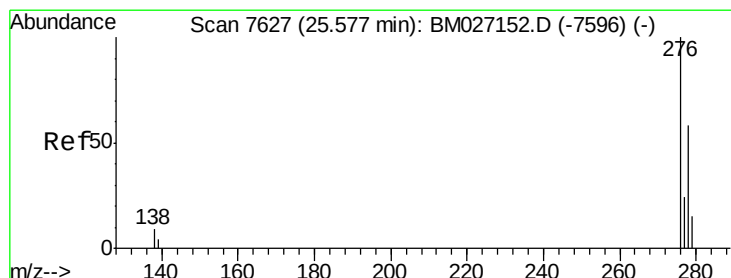
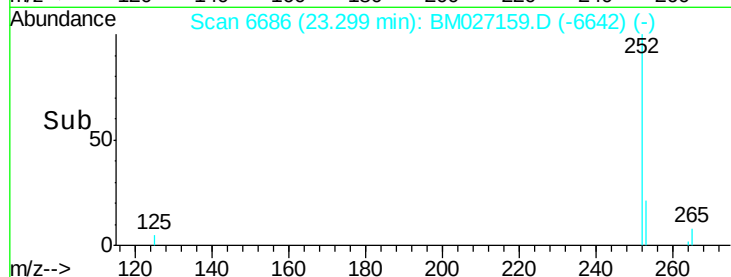
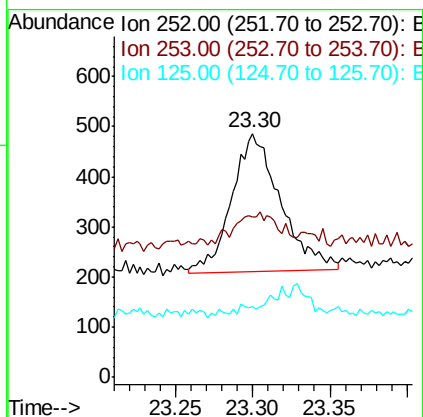
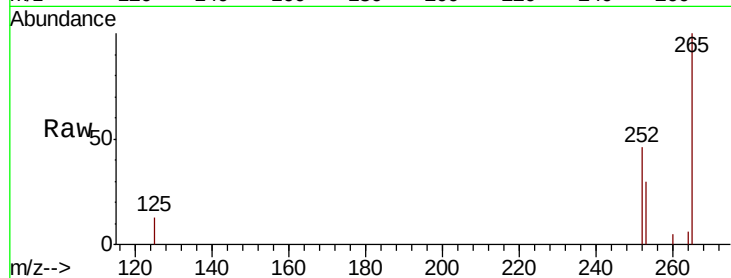
Tot Ion:252 Resp: 608

Ion Ratio Lower Upper

252 100

253 65.8 23.4 35.0#

125 29.2 9.4 14.2#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.061 ng/ul

RT: 25.58 min Scan# 7628

Delta R.T. 0.01 min

Lab File: BM027159.D

Acq: 20 Aug 2020 16:23

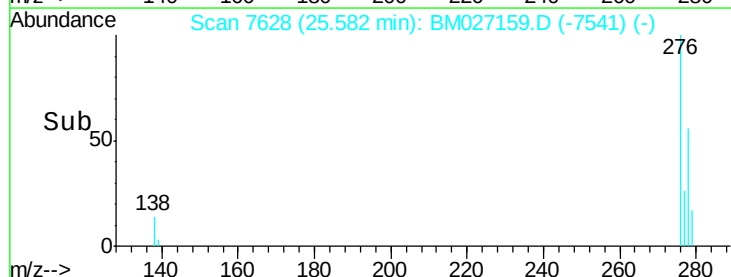
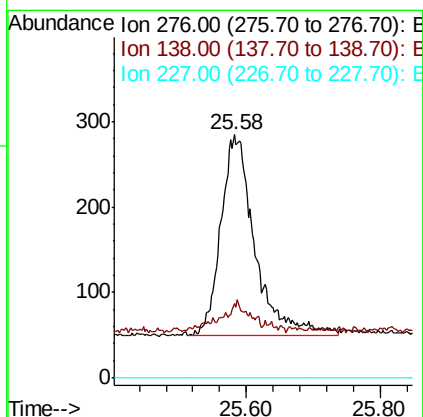
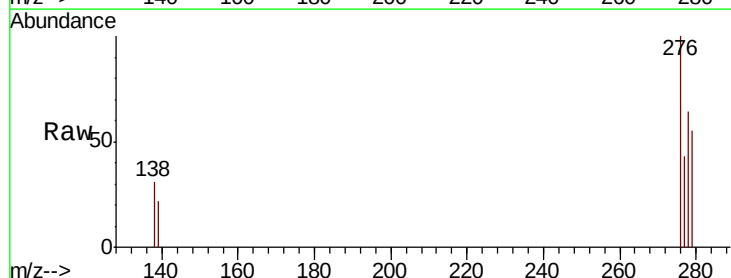
Tgt Ion:276 Resp: 822

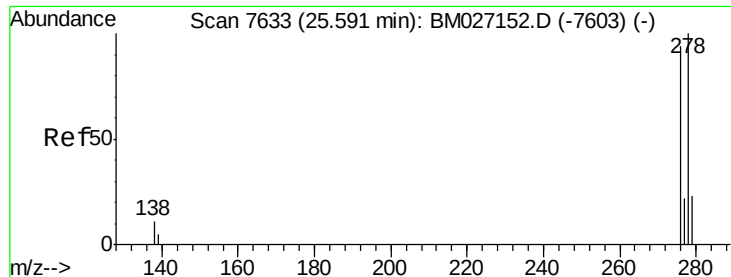
Ion Ratio Lower Upper

276 100

138 7.1 12.2 18.2#

227 0.0 0.0 0.0

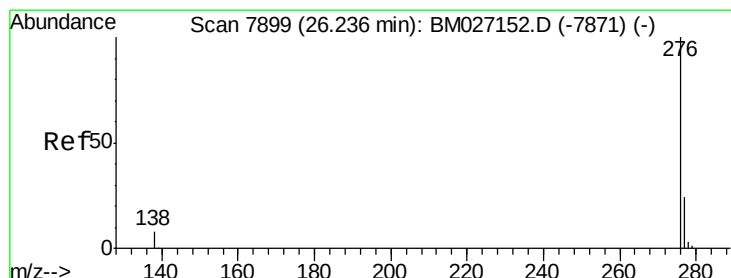
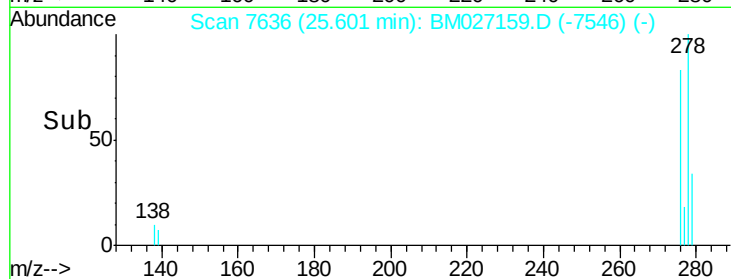
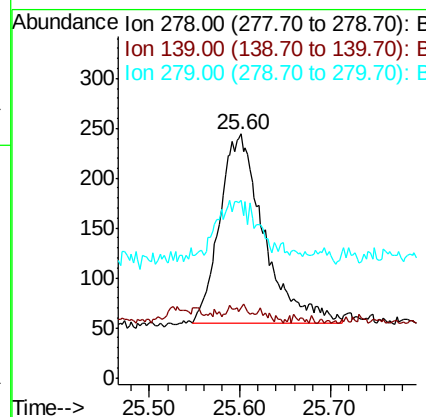
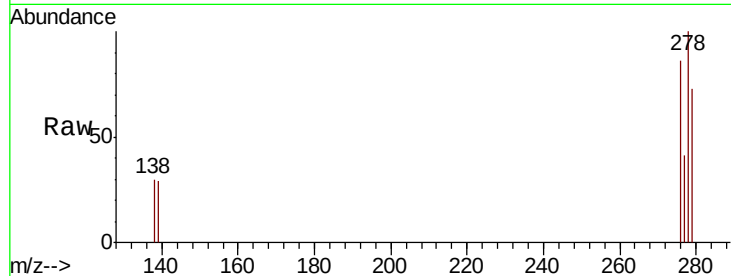




#25
Dibenzo(a,h)anthracene
Concen: 0.059 ng/ul
RT: 25.60 min Scan# 7636
Delta R.T. 0.02 min
Lab File: BM027159.D
Acq: 20 Aug 2020 16:23

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-07

Tot Ion:278 Resp: 639
Ion Ratio Lower Upper
278 100
139 28.7 10.0 15.0#
279 73.0 22.9 34.3#



#26
Benzo(g,h,i)perylene
Concen: 0.062 ng/ul
RT: 26.24 min Scan# 7901
Delta R.T. 0.01 min
Lab File: BM027159.D
Acq: 20 Aug 2020 16:23

Tgt Ion:276 Resp: 717
Ion Ratio Lower Upper
276 100
138 27.0 12.0 18.0#
277 41.6 20.9 31.3#

