

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060420\
 Data File : BN010763.D
 Acq On : 04 Jun 2020 15:02
 Operator : CG/JU
 Sample : L1955-03
 Misc : MDL-S-03
 ALS Vial : 8 Sample Multiplier: 1

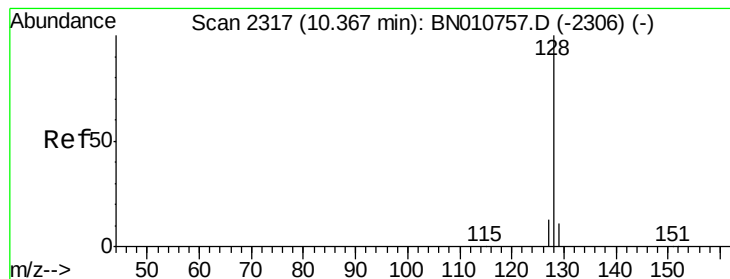
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03

Quant Time: Jun 04 15:35:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN060320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 14:30:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	1731	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	5528	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	2872	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	5524	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	4571	0.40	ng/ul	0.00
20) Perylene-d12	23.30	264	4341	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.93	152	2494	0.19	ng/ul	0.02
14) Fluoranthene-d10	18.98	212	5087	0.21	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.37	128	924	0.057	ng/ul#	78
5) 2-Methylnaphthalene	12.01	142	534	0.052	ng/ul	97
7) Acenaphthylene	13.91	152	713	0.056	ng/ul#	78
8) Acenaphthene	14.25	153	583	0.054	ng/ul	94
9) Fluorene	15.26	166	622	0.053	ng/ul#	96
11) Pentachlorophenol	16.62	266	71	0.055	ng/ul	89
12) Phenanthrene	16.99	178	978	0.054	ng/ul#	78
13) Anthracene	17.09	178	723	0.049	ng/ul#	72
15) Fluoranthene	19.01	202	1097	0.054	ng/ul	85
17) Pyrene	19.37	202	1141	0.057	ng/ul#	85
18) Benzo(a)anthracene	21.14	228	855	0.053	ng/ul#	88
19) Chrysene	21.18	228	1199	0.058	ng/ul#	89
21) Benzo(b)fluoranthene	22.66	252	1050	0.054	ng/ul#	40
22) Benzo(k)fluoranthene	22.71	252	1138	0.056	ng/ul#	35
23) Benzo(a)pyrene	23.21	252	850	0.052	ng/ul#	26
24) Indeno(1,2,3-cd)pyrene	25.44	276	1159	0.052	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.45	278	909	0.050	ng/ul#	39
26) Benzo(g,h,i)perylene	26.07	276	1086	0.052	ng/ul#	78

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

```
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Sample    : L1955-03  
Misc      : MDL-S-03  
ALS Vial  : 8 Sample Multiplier: 1
```



#3

Naphthalene

Concen: 0.057 ng/ul

RT: 10.37 min Scan# 2318

Delta R.T. 0.01 min

Lab File: BN010763.D

Acq: 04 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03

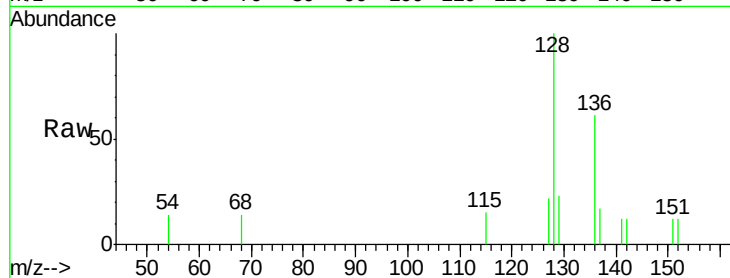
Tot Ion:128 Resp: 924

Ion Ratio Lower Upper

128 100

129 22.8 9.9 14.9#

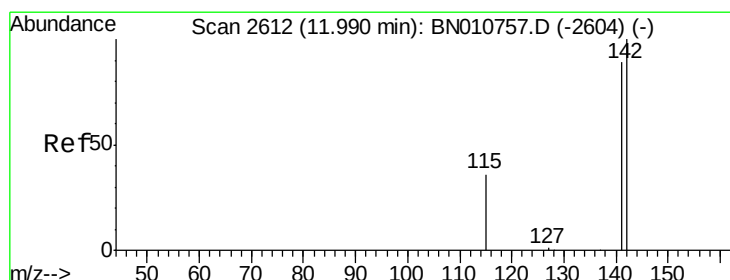
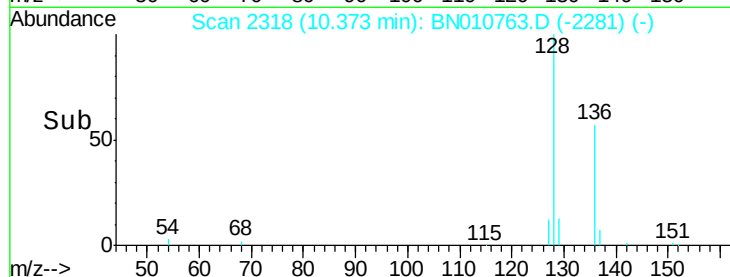
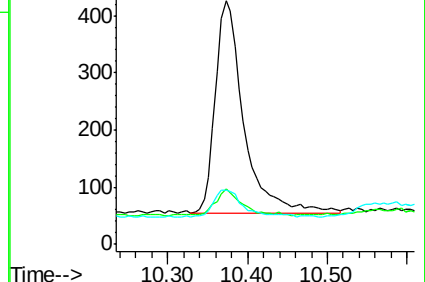
127 22.3 11.7 17.5#



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: 12.01 min Scan# 2616

Delta R.T. 0.02 min

Lab File: BN010763.D

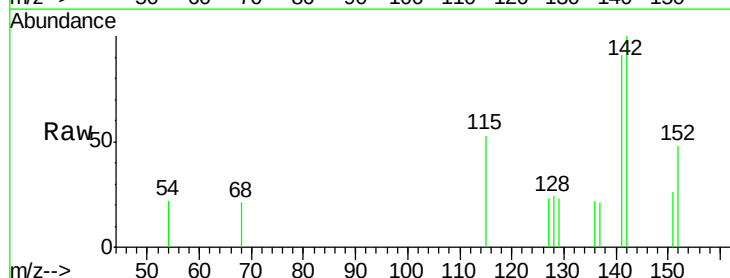
Acq: 04 Jun 2020 15:02

Tgt Ion:142 Resp: 534

Ion Ratio Lower Upper

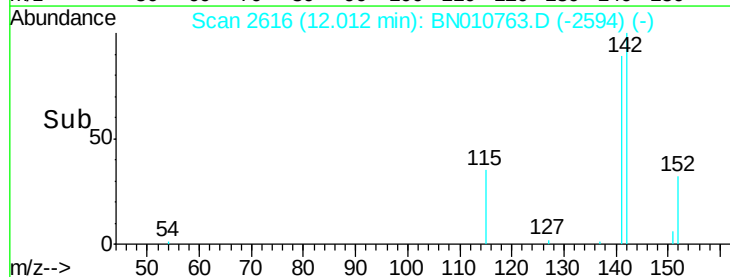
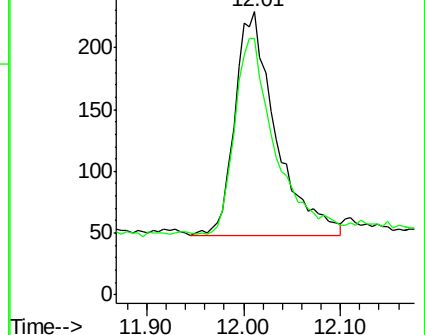
142 100

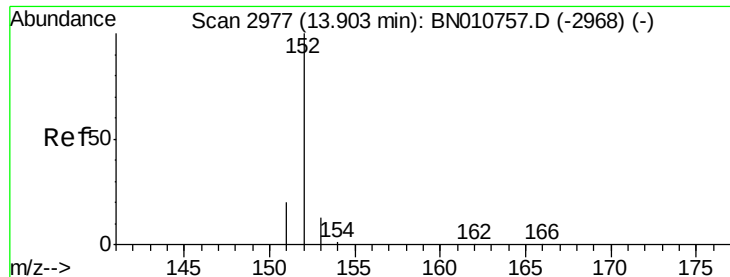
141 87.1 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.056 ng/ul

RT: 13.91 min Scan# 2979

Delta R.T. 0.01 min

Lab File: BN010763.D

Acq: 04 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03

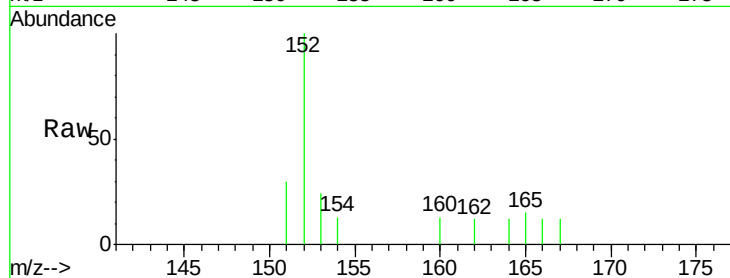
Tot Ion:152 Resp: 713

Ion Ratio Lower Upper

152 100

151 30.0 16.3 24.5#

153 24.4 11.4 17.2#



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

13.91

400

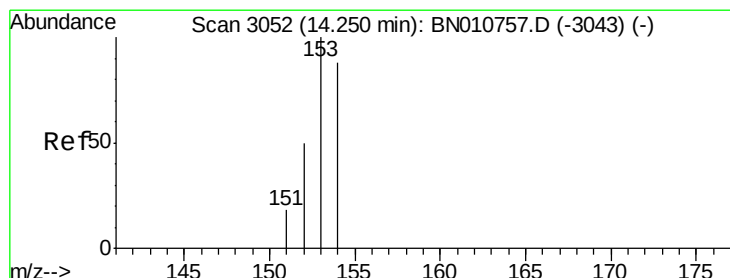
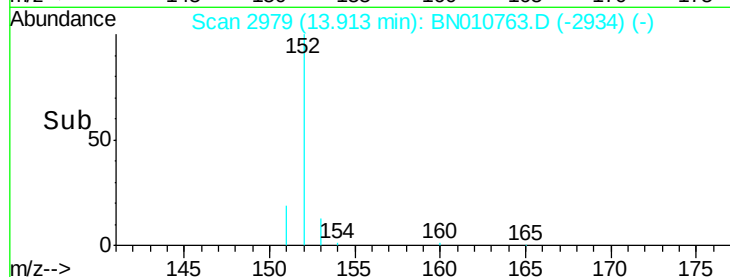
300

200

100

0

Time--> 13.80 14.00



#8

Acenaphthene

Concen: 0.054 ng/ul

RT: 14.25 min Scan# 3053

Delta R.T. 0.00 min

Lab File: BN010763.D

Acq: 04 Jun 2020 15:02

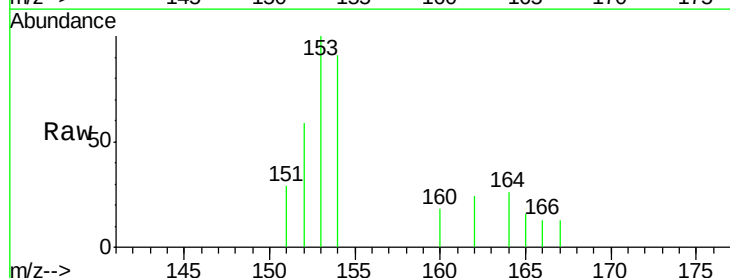
Tgt Ion:153 Resp: 583

Ion Ratio Lower Upper

153 100

152 58.5 40.1 60.1

154 91.2 70.6 106.0



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

14.25

400

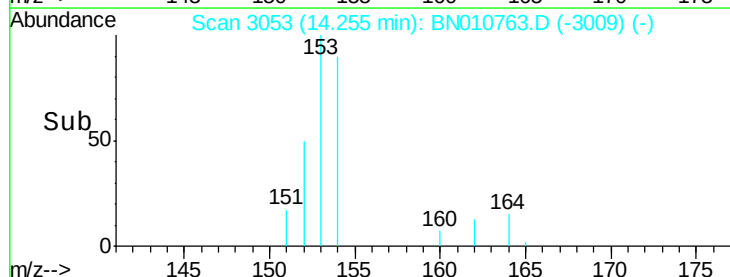
300

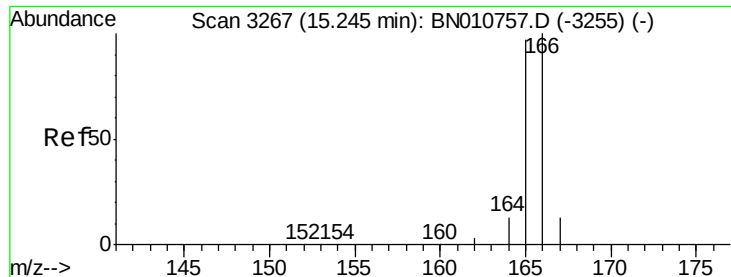
200

100

0

Time--> 14.20 14.30





#9

Fluorene

Concen: 0.053 ng/ul

RT: 15.26 min Scan# 3271

Delta R.T. 0.02 min

Lab File: BN010763.D

Acq: 04 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03

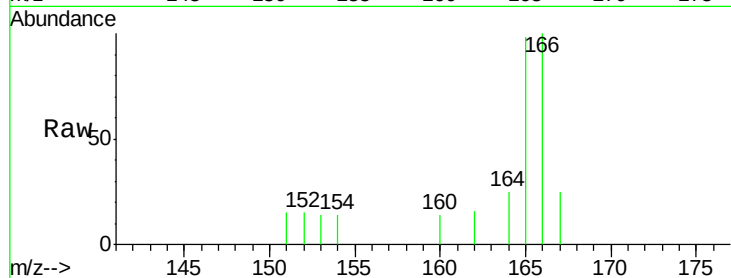
Tot Ion:166 Resp: 622

Ion Ratio Lower Upper

166 100

165 97.6 77.3 115.9

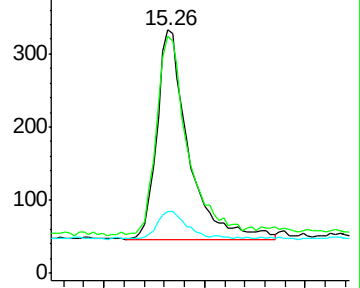
167 25.2 12.1 18.1#



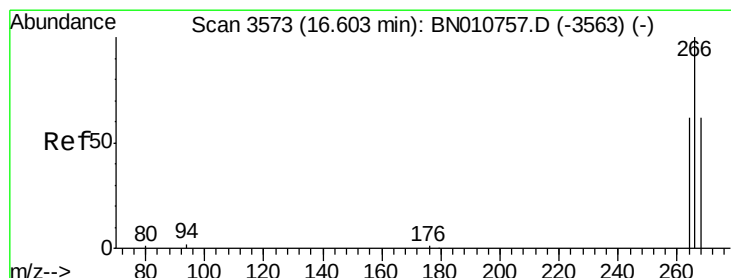
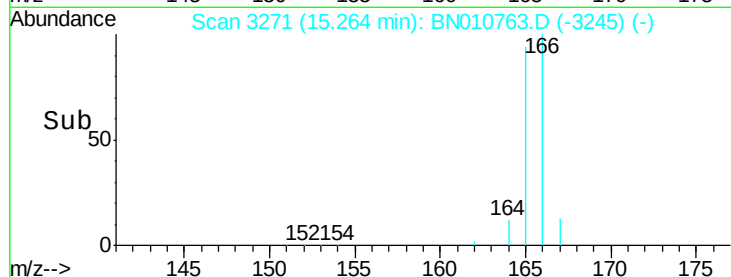
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.055 ng/ul

RT: 16.62 min Scan# 3578

Delta R.T. 0.02 min

Lab File: BN010763.D

Acq: 04 Jun 2020 15:02

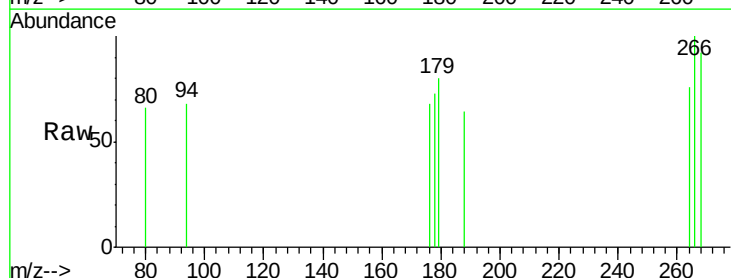
Tgt Ion:266 Resp: 71

Ion Ratio Lower Upper

266 100

264 53.5 50.3 75.5

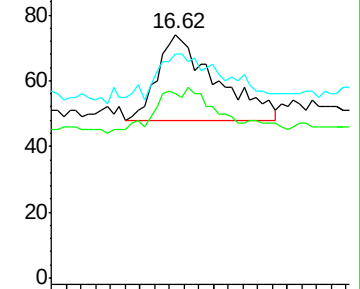
268 60.6 54.8 82.2



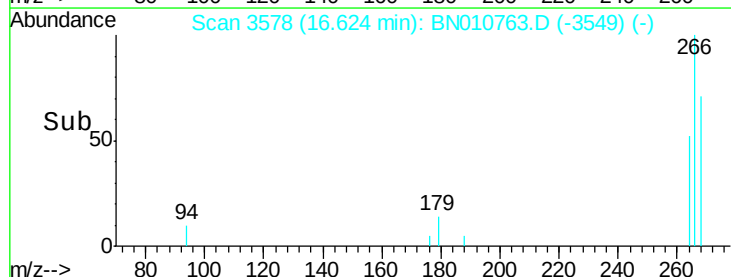
Abundance Ion 266.00 (265.70 to 266.70): E

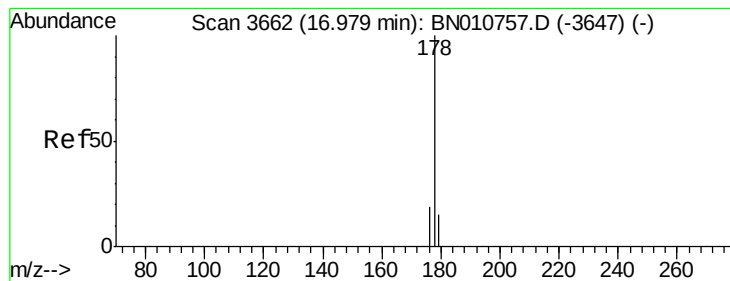
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 0.054 ng/ul

RT: 16.99 min Scan# 3665

Delta R.T. 0.01 min

Lab File: BN010763.D

Acq: 04 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03

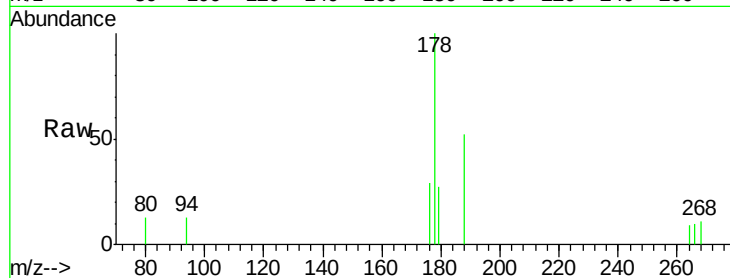
Tot Ion:178 Resp: 978

Ion Ratio Lower Upper

178 100

179 26.6 13.0 19.6#

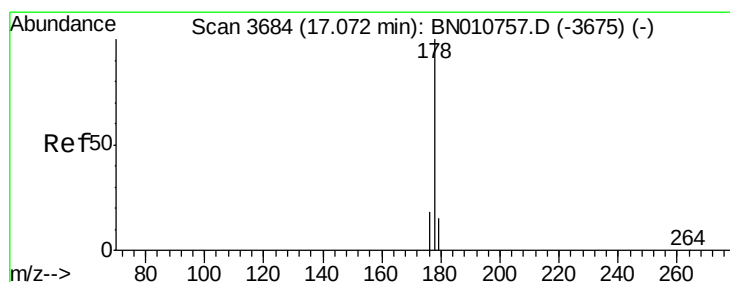
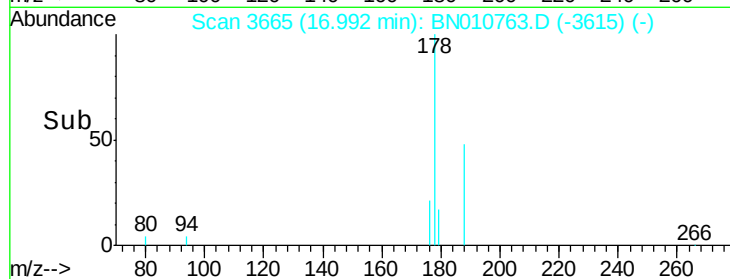
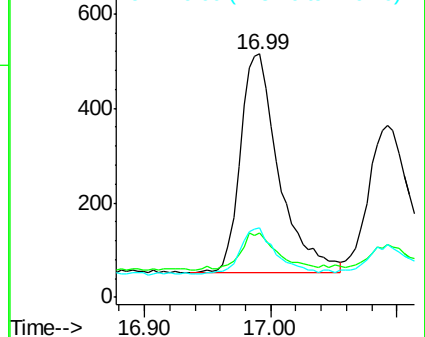
176 28.7 15.8 23.8#



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: 0.049 ng/ul

RT: 17.09 min Scan# 3689

Delta R.T. 0.02 min

Lab File: BN010763.D

Acq: 04 Jun 2020 15:02

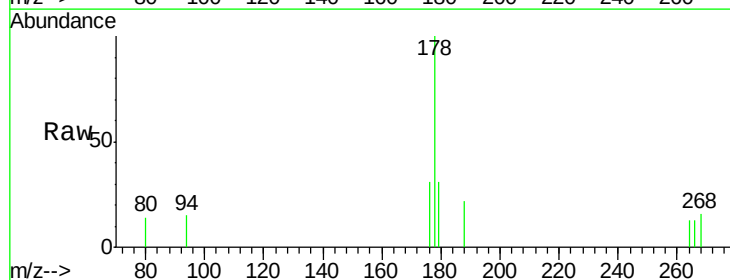
Tgt Ion:178 Resp: 723

Ion Ratio Lower Upper

178 100

179 31.1 13.6 20.4#

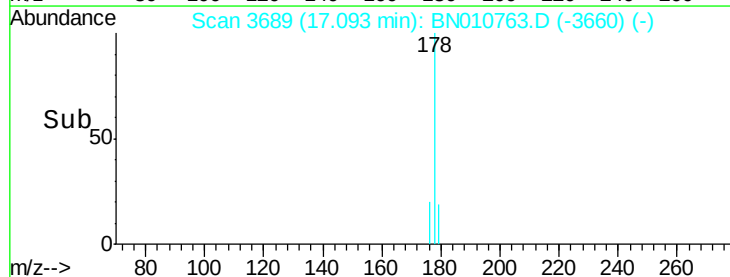
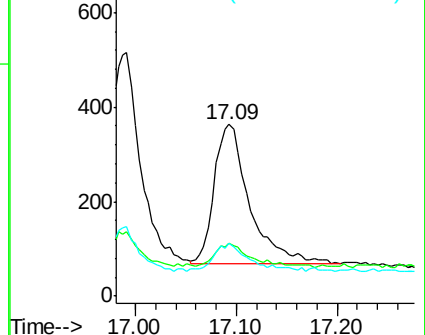
176 30.6 15.5 23.3#

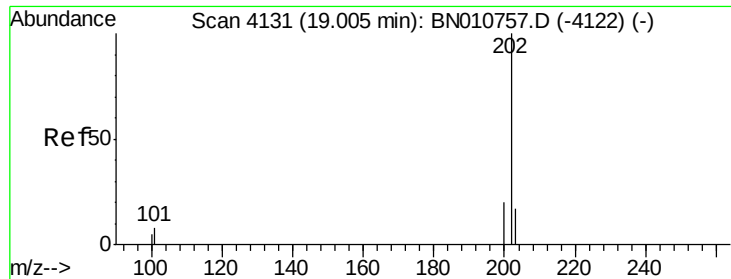


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

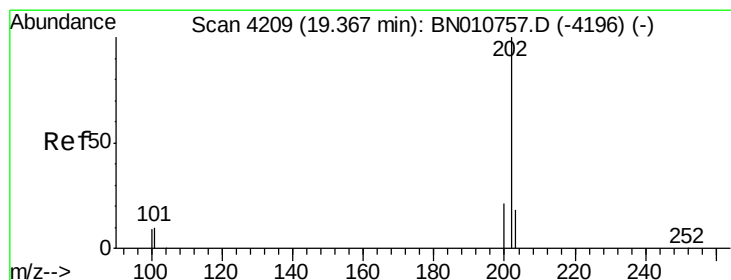
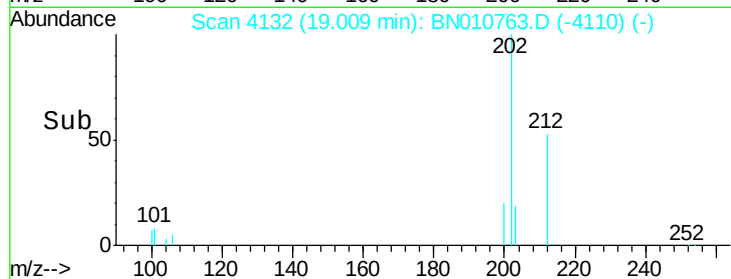
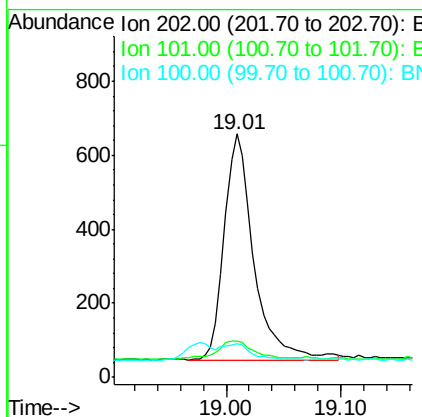
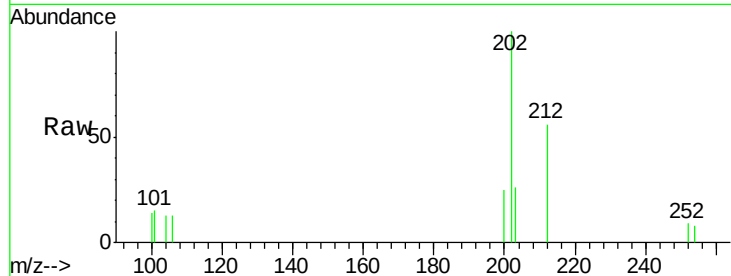




#15
 Fluoranthene
 Concen: 0.054 ng/ul
 RT: 19.01 min Scan# 4132
 Delta R.T. 0.00 min
 Lab File: BN010763.D
 Acq: 04 Jun 2020 15:02

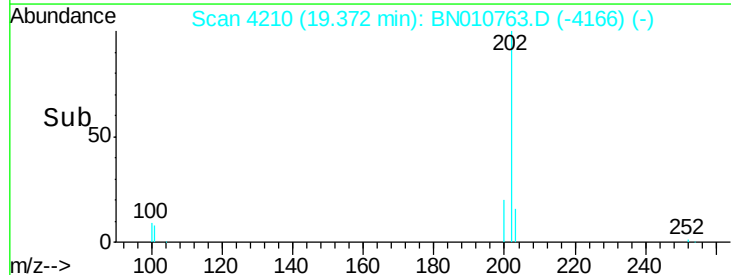
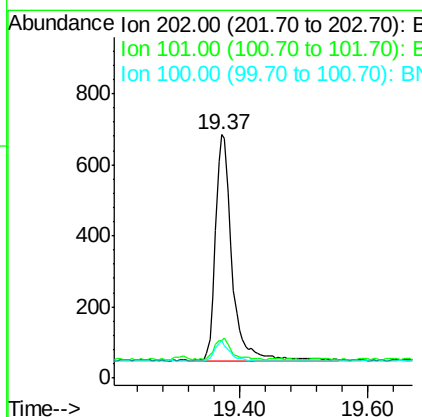
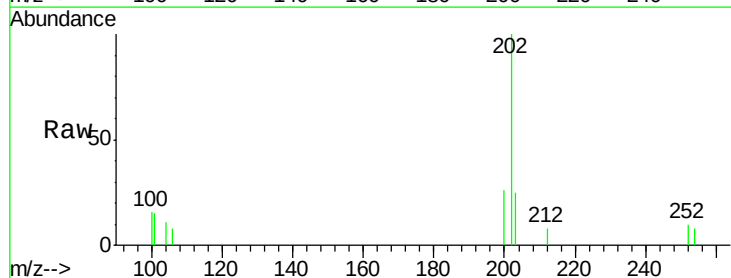
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03

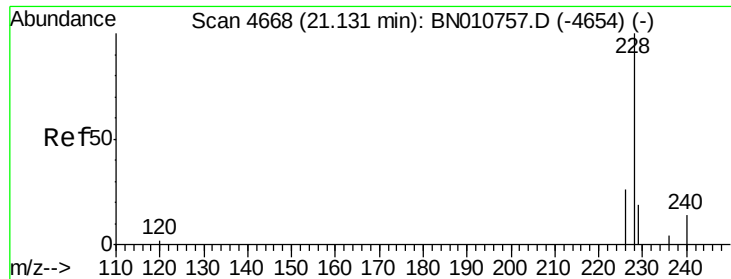
Tot Ion:202 Resp: 1097
 Ion Ratio Lower Upper
 202 100
 101 14.9 0.0 29.8
 100 13.7 0.0 28.0



#17
 Pyrene
 Concen: 0.057 ng/ul
 RT: 19.37 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: BN010763.D
 Acq: 04 Jun 2020 15:02

Tgt Ion:202 Resp: 1141
 Ion Ratio Lower Upper
 202 100
 101 15.2 8.6 12.8#
 100 15.6 7.1 10.7#





#18

Benzo(a)anthracene

Concen: 0.053 ng/ul

RT: 21.14 min Scan# 4671

Delta R.T. 0.01 min

Lab File: BN010763.D

Acq: 04 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03

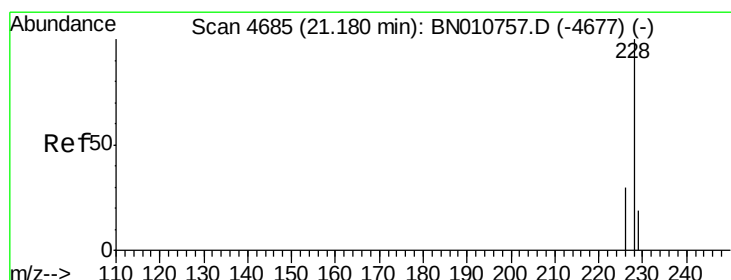
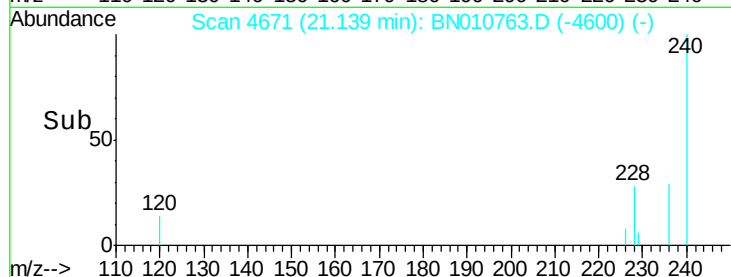
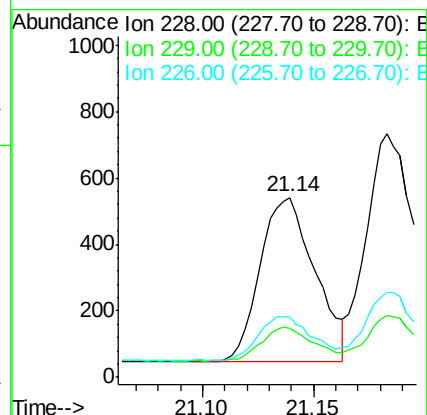
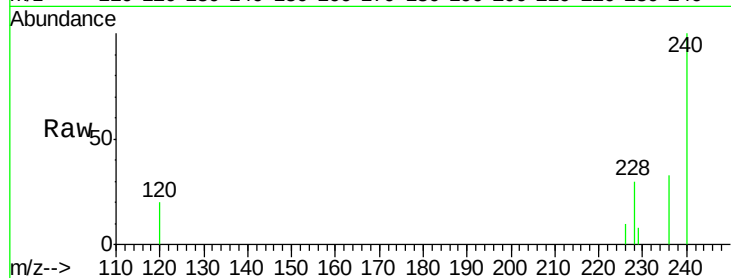
Tot Ion:228 Resp: 855

Ion Ratio Lower Upper

228 100

229 27.0 16.0 24.0#

226 33.8 22.9 34.3



#19

Chrysene

Concen: 0.058 ng/ul

RT: 21.18 min Scan# 4686

Delta R.T. 0.00 min

Lab File: BN010763.D

Acq: 04 Jun 2020 15:02

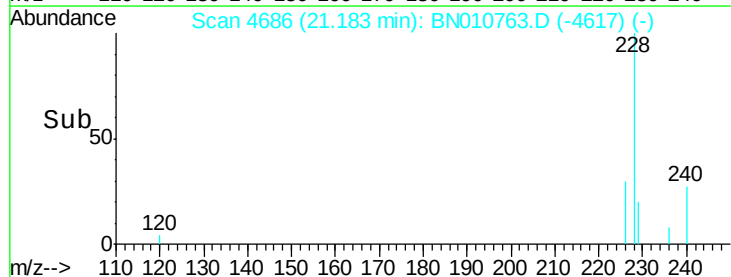
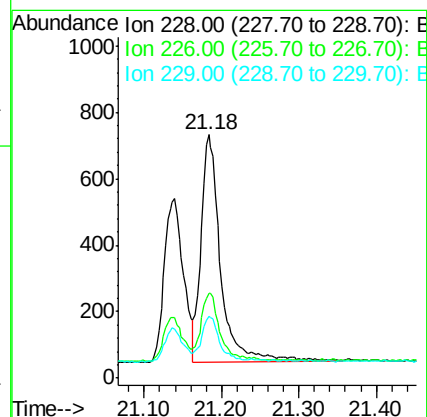
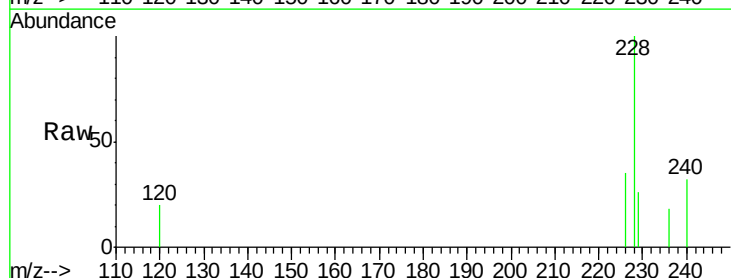
Tgt Ion:228 Resp: 1199

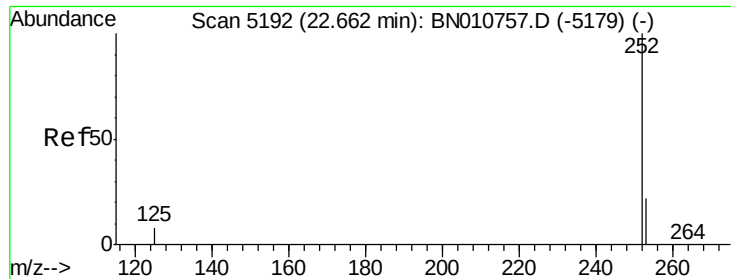
Ion Ratio Lower Upper

228 100

226 35.1 23.7 35.5

229 25.6 16.2 24.2#





#21

Benzo(b)fluoranthene

Concen: 0.054 ng/ul

RT: 22.66 min Scan# 5193

Delta R.T. 0.00 min

Lab File: BN010763.D

Acq: 04 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03

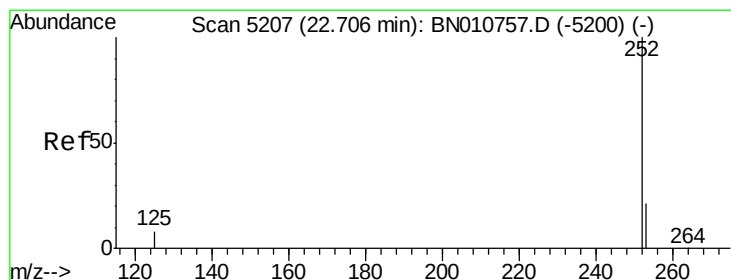
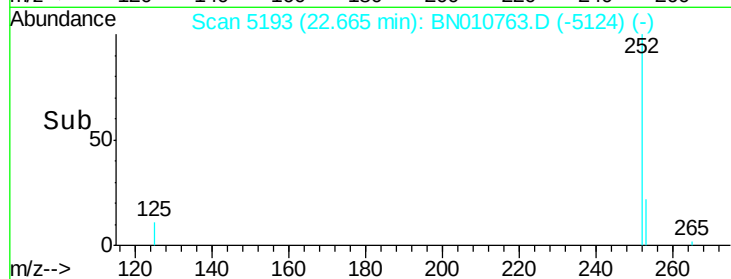
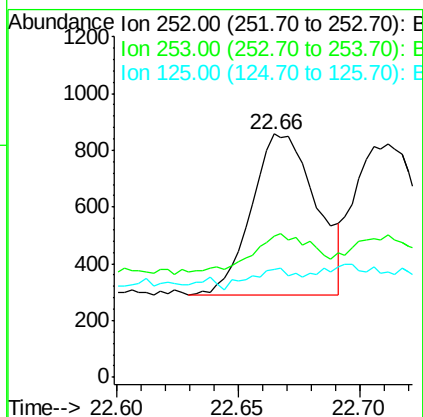
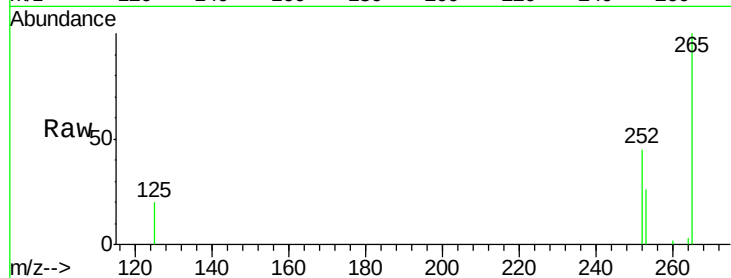
Tot Ion:252 Resp: 1050

Ion Ratio Lower Upper

252 100

253 58.0 0.0 57.6#

125 44.2 0.0 29.4#



#22

Benzo(k)fluoranthene

Concen: 0.056 ng/ul

RT: 22.71 min Scan# 5209

Delta R.T. 0.01 min

Lab File: BN010763.D

Acq: 04 Jun 2020 15:02

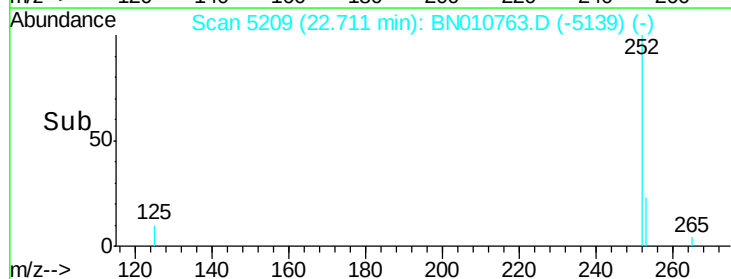
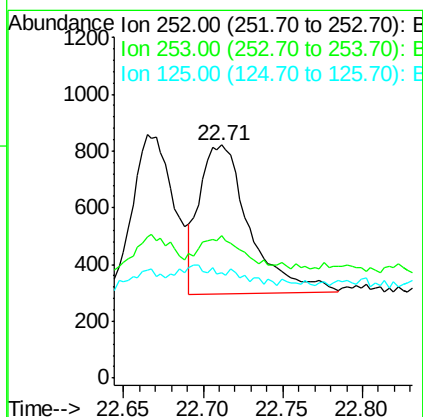
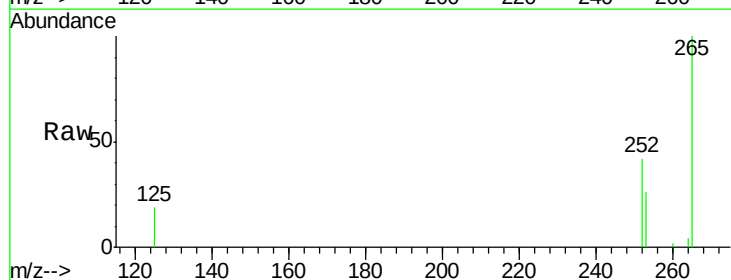
Tgt Ion:252 Resp: 1138

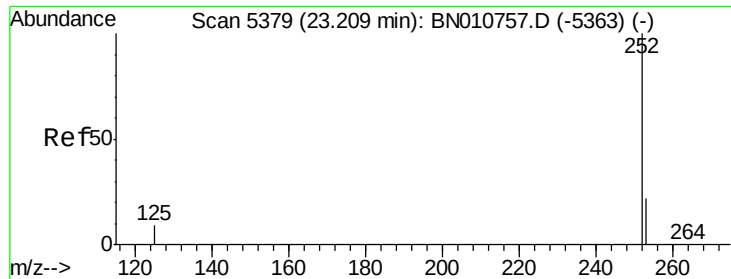
Ion Ratio Lower Upper

252 100

253 61.1 22.7 34.1#

125 45.3 12.2 18.4#





#23

Benzo(a)pyrene

Concen: 0.052 ng/ul

RT: 23.21 min Scan# 5381

Delta R.T. 0.01 min

Lab File: BN010763.D

Acq: 04 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03

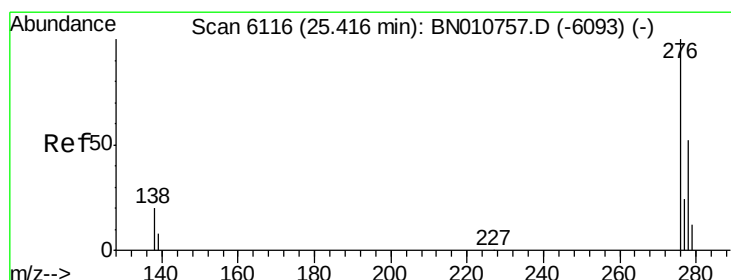
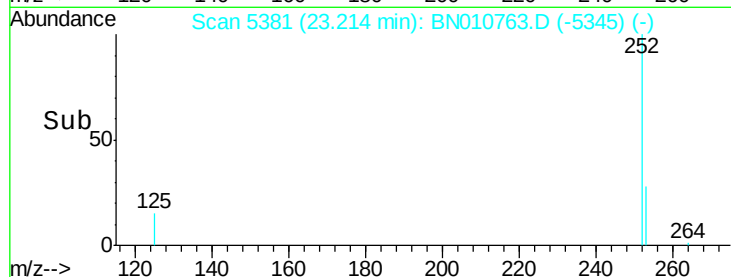
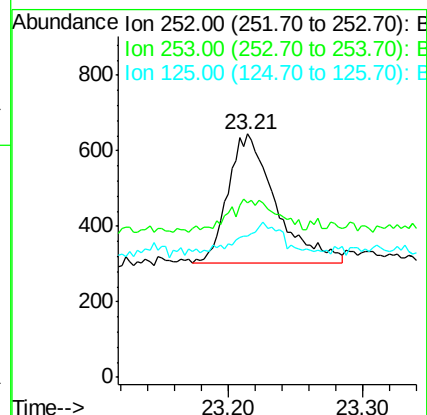
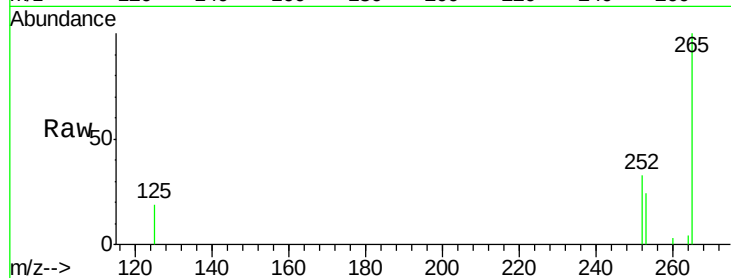
Tot Ion:252 Resp: 850

Ion Ratio Lower Upper

252 100

253 71.6 26.3 39.5#

125 58.1 16.1 24.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.052 ng/ul

RT: 25.44 min Scan# 6122

Delta R.T. 0.02 min

Lab File: BN010763.D

Acq: 04 Jun 2020 15:02

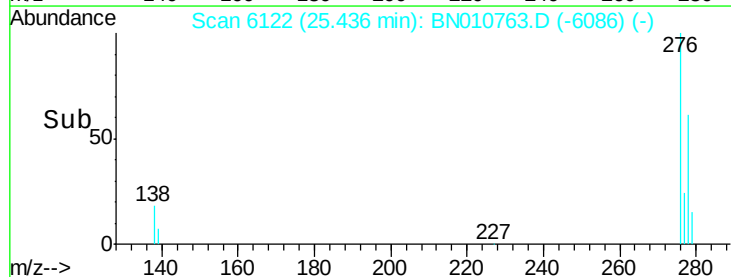
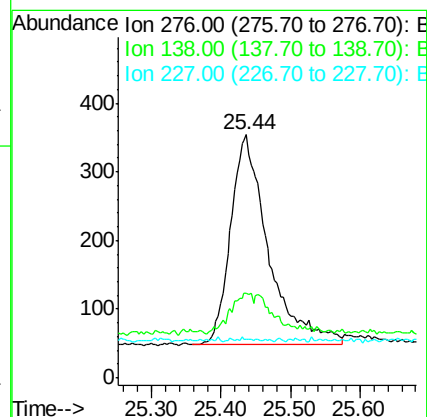
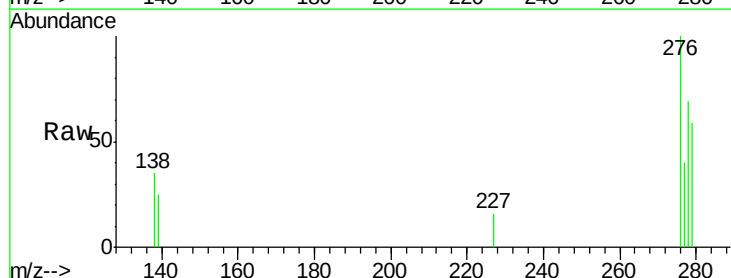
Tgt Ion:276 Resp: 1159

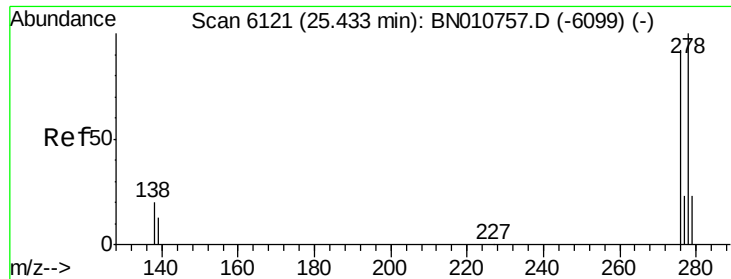
Ion Ratio Lower Upper

276 100

138 21.8 17.6 26.4

227 0.7 0.1 0.1#

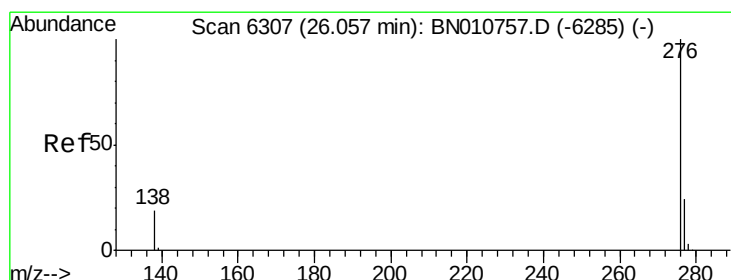
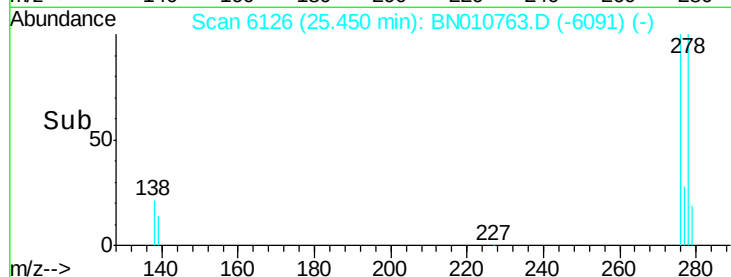
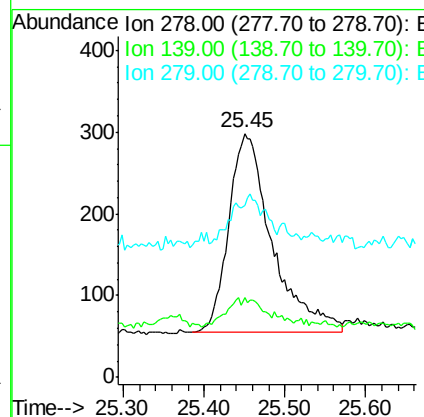
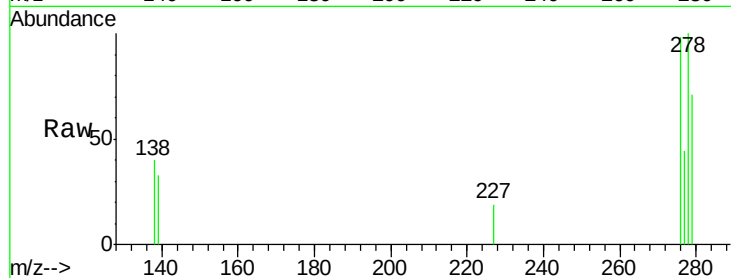




#25
Dibenzo(a,h)anthracene
Concen: 0.050 ng/ul
RT: 25.45 min Scan# 6126
Delta R.T. 0.02 min
Lab File: BN010763.D
Acq: 04 Jun 2020 15:02

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03

Tot Ion:278 Resp: 909
Ion Ratio Lower Upper
278 100
139 32.6 13.7 20.5#
279 70.8 23.9 35.9#



#26
Benzo(g,h,i)perylene
Concen: 0.052 ng/ul
RT: 26.07 min Scan# 6311
Delta R.T. 0.01 min
Lab File: BN010763.D
Acq: 04 Jun 2020 15:02

Tgt Ion:276 Resp: 1086
Ion Ratio Lower Upper
276 100
138 32.1 17.5 26.3#
277 37.4 20.7 31.1#

