

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060820\
 Data File : BN010805.D
 Acq On : 08 Jun 2020 12:46
 Operator : CG/JU
 Sample : L1955-06
 Misc : MDL-SOIL-06
 ALS Vial : 7 Sample Multiplier: 1

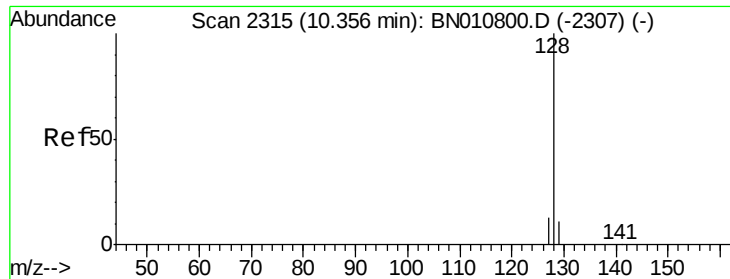
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-06

Quant Time: Jun 08 13:18:44 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 : Mon Jun 08 10:24:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	1942	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	6164	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	3198	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	6122	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	5173	0.40	ng/ul	0.00
20) Perylene-d12	23.30	264	4594	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	2785	0.19	ng/ul	0.01
14) Fluoranthene-d10	18.97	212	5529	0.21	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.37	128	1094	0.060	ng/ul#	83
5) 2-Methylnaphthalene	12.00	142	648	0.057	ng/ul	100
7) Acenaphthylene	13.90	152	833	0.058	ng/ul#	83
8) Acenaphthene	14.25	153	713	0.060	ng/ul	95
9) Fluorene	15.26	166	758	0.058	ng/ul#	95
11) Pentachlorophenol	16.62	266	81	0.057	ng/ul	93
12) Phenanthrene	16.98	178	1189	0.060	ng/ul#	86
13) Anthracene	17.08	178	918	0.056	ng/ul#	80
15) Fluoranthene	19.00	202	1340	0.060	ng/ul	86
17) Pyrene	19.37	202	1365	0.061	ng/ul#	89
18) Benzo(a)anthracene	21.13	228	1027	0.056	ng/ul#	92
19) Chrysene	21.18	228	1515	0.065	ng/ul	92
21) Benzo(b)fluoranthene	22.66	252	1195	0.058	ng/ul#	49
22) Benzo(k)fluoranthene	22.71	252	1373	0.063	ng/ul#	44
23) Benzo(a)pyrene	23.21	252	1102	0.064	ng/ul#	37
24) Indeno(1,2,3-cd)pyrene	25.43	276	1373	0.058	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.44	278	1082	0.056	ng/ul#	52
26) Benzo(g,h,i)perylene	26.06	276	1288	0.059	ng/ul#	80

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060820\
Data File : BN010805.D
Acq On : 08 Jun 2020 12:46
Operator : CG/JU
Sample : L1955-06
Misc : MDL-SOIL-06
ALS Vial : 7 Sample Multiplier: 1



#3

Naphthalene

Concen: 0.060 ng/ul

RT: 10.37 min Scan# 2317

Delta R.T. 0.01 min

Lab File: BN010805.D

Acq: 08 Jun 2020 12:46

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

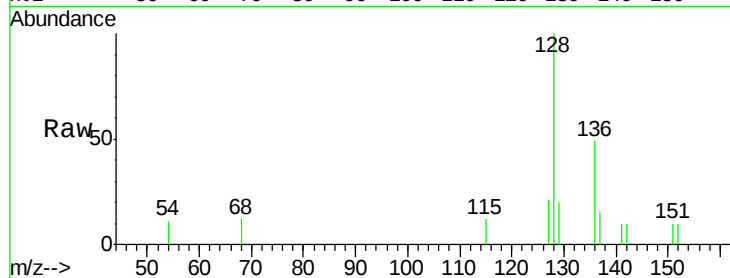
Tot Ion:128 Resp: 1094

Ion Ratio Lower Upper

128 100

129 19.5 9.9 14.9#

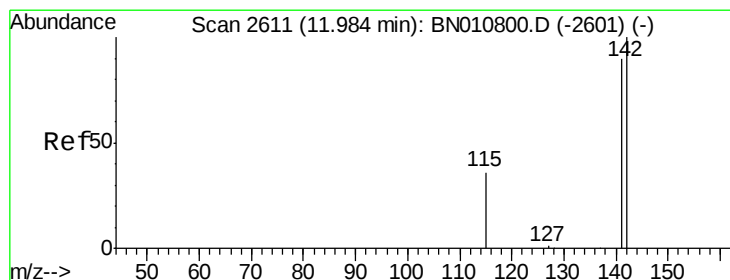
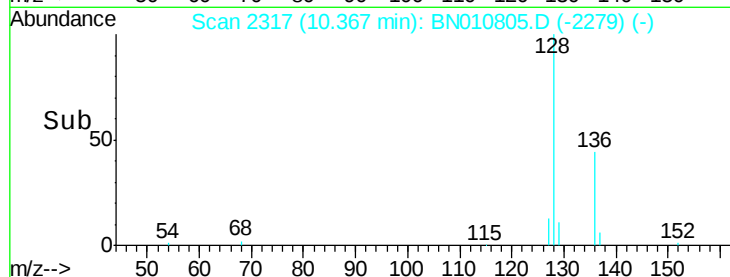
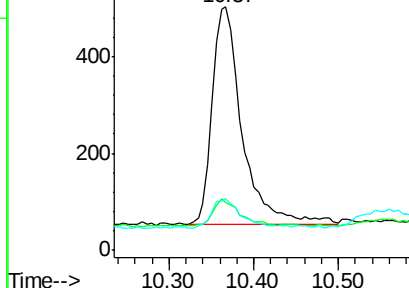
127 21.1 11.7 17.5#



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: 0.057 ng/ul

RT: 12.00 min Scan# 2613

Delta R.T. 0.01 min

Lab File: BN010805.D

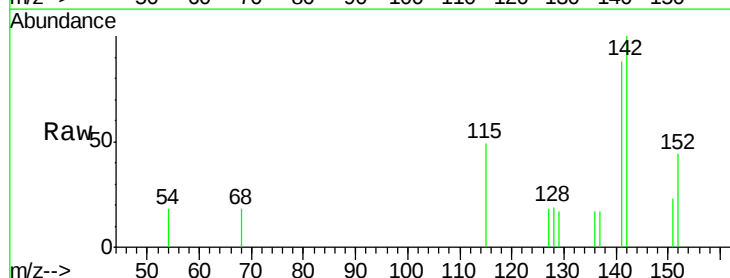
Acq: 08 Jun 2020 12:46

Tgt Ion:142 Resp: 648

Ion Ratio Lower Upper

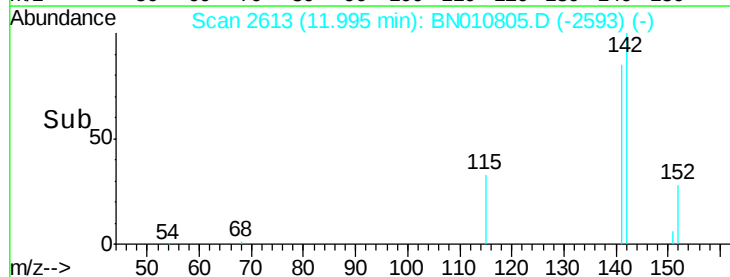
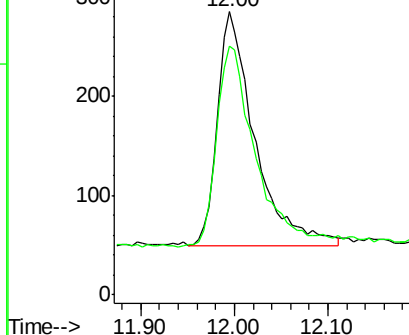
142 100

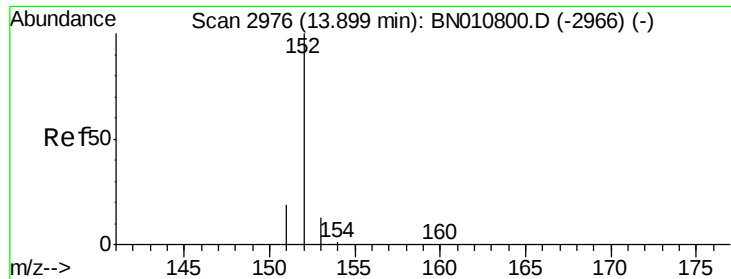
141 90.3 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.058 ng/ul

RT: 13.90 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BN010805.D

Acq: 08 Jun 2020 12:46

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

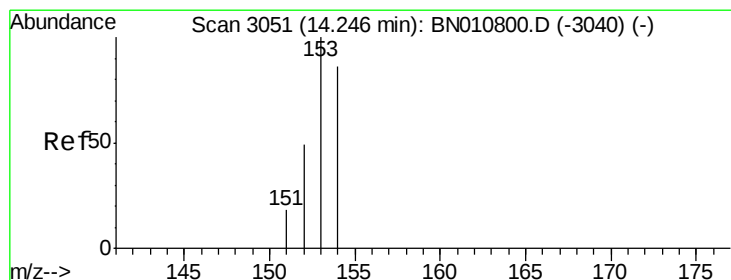
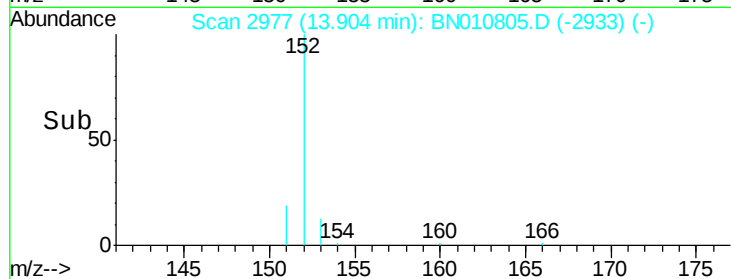
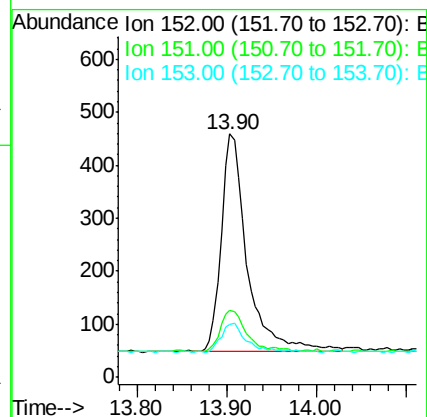
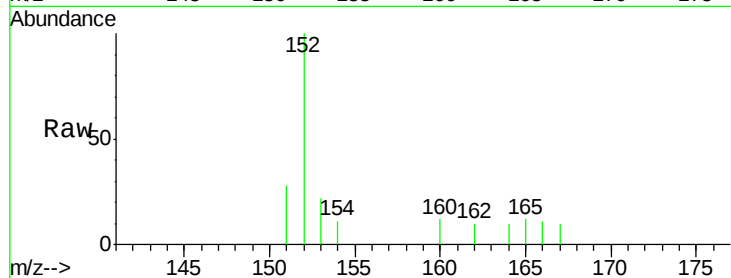
Tot Ion:152 Resp: 833

Ion Ratio Lower Upper

152 100

151 27.7 16.3 24.5#

153 21.6 11.4 17.2#



#8

Acenaphthene

Concen: 0.060 ng/ul

RT: 14.25 min Scan# 3052

Delta R.T. 0.00 min

Lab File: BN010805.D

Acq: 08 Jun 2020 12:46

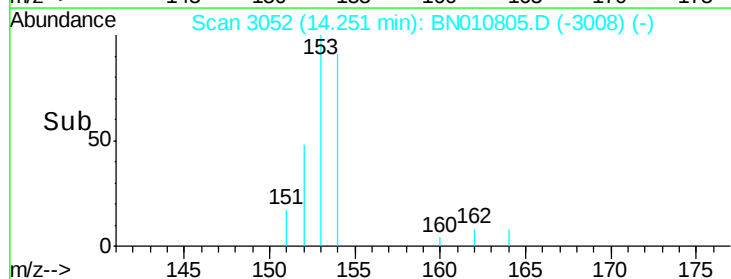
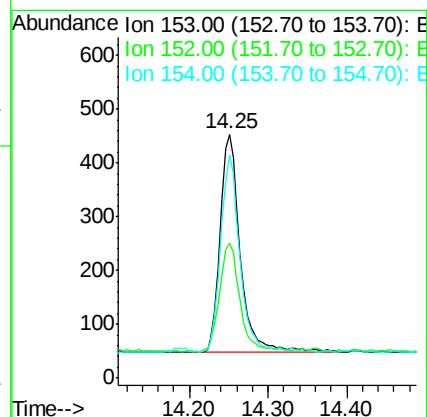
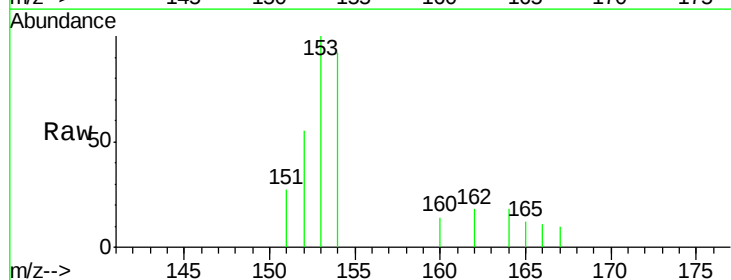
Tgt Ion:153 Resp: 713

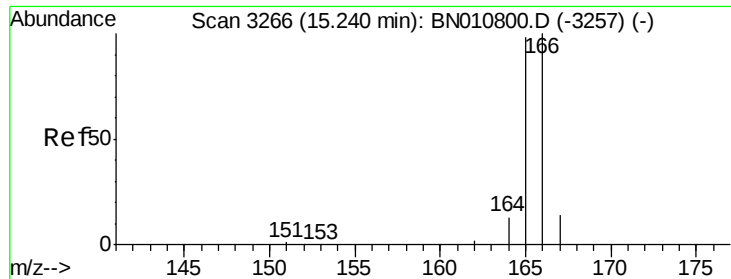
Ion Ratio Lower Upper

153 100

152 55.4 40.1 60.1

154 91.8 70.6 106.0

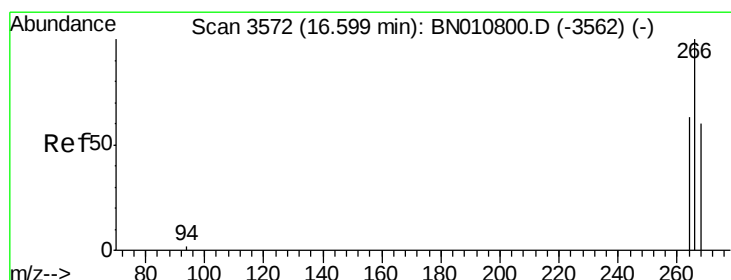
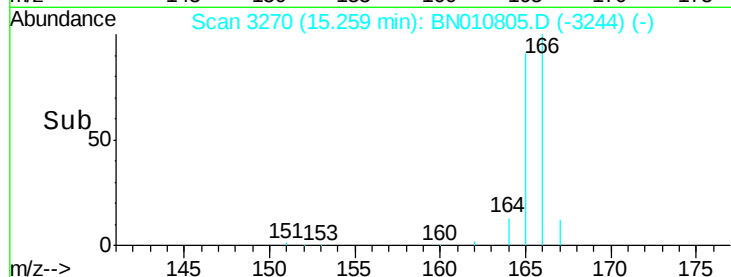
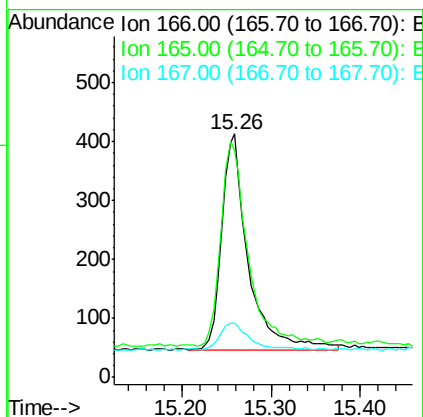
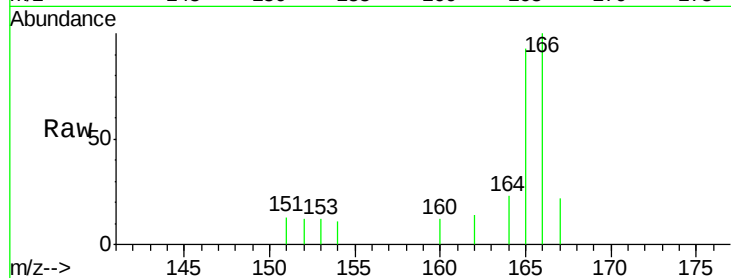




#9
Fluorene
 Concen: 0.058 ng/ul
 RT: 15.26 min Scan# 3270
 Delta R.T. 0.02 min
 Lab File: BN010805.D
 Acq: 08 Jun 2020 12:46

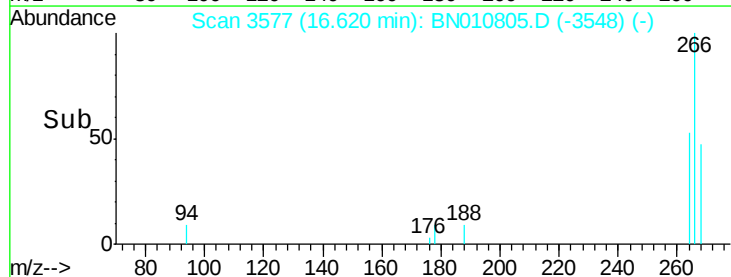
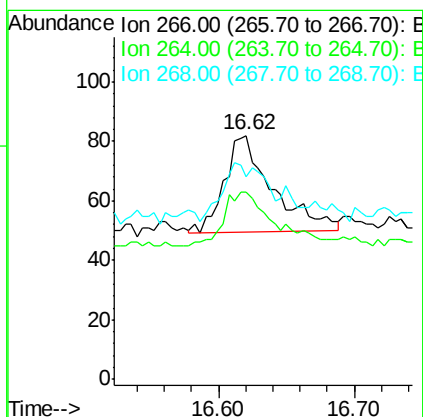
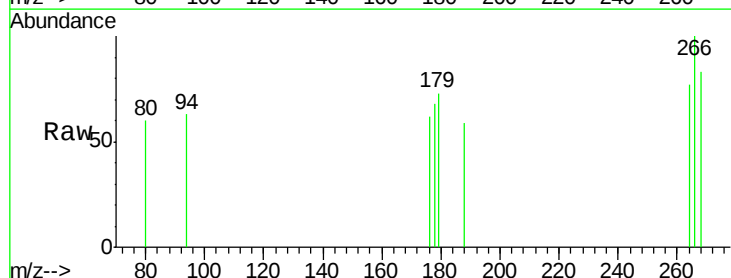
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-06

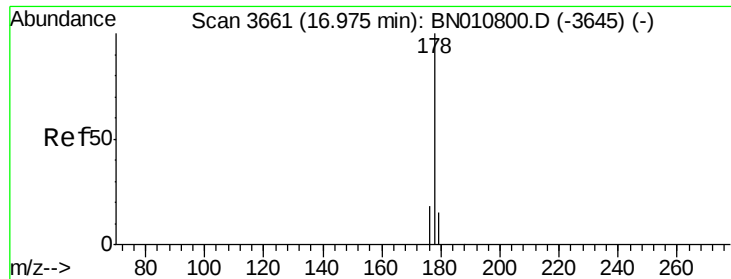
Tot Ion:166 Resp: 758
 Ion Ratio Lower Upper
 166 100
 165 93.5 77.3 115.9
 167 22.3 12.1 18.1#



#11
Pentachlorophenol
 Concen: 0.057 ng/ul
 RT: 16.62 min Scan# 3577
 Delta R.T. 0.02 min
 Lab File: BN010805.D
 Acq: 08 Jun 2020 12:46

Tgt Ion:266 Resp: 81
 Ion Ratio Lower Upper
 266 100
 264 56.8 50.3 75.5
 268 74.1 54.8 82.2





#12

Phenanthrene

Concen: 0.060 ng/ul

RT: 16.98 min Scan# 3663

Delta R.T. 0.01 min

Lab File: BN010805.D

Acq: 08 Jun 2020 12:46

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

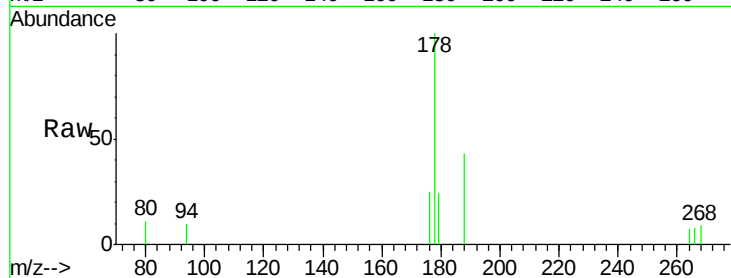
Tot Ion:178 Resp: 1189

Ion Ratio Lower Upper

178 100

179 24.2 13.0 19.6#

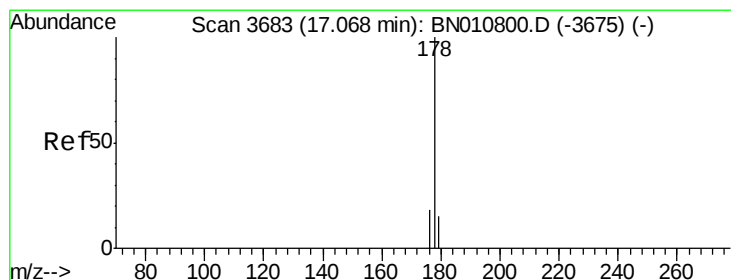
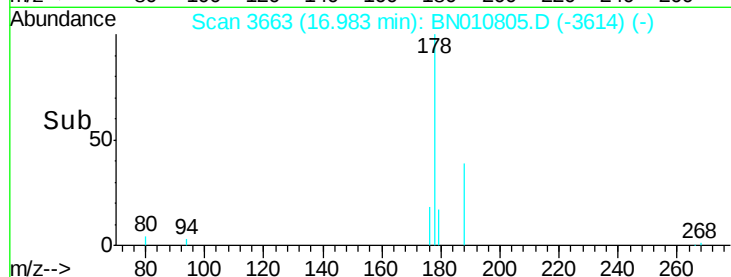
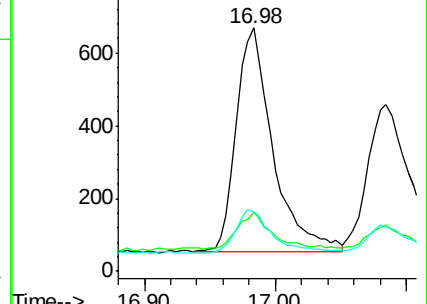
176 24.5 15.8 23.8#



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: 0.056 ng/ul

RT: 17.08 min Scan# 3687

Delta R.T. 0.02 min

Lab File: BN010805.D

Acq: 08 Jun 2020 12:46

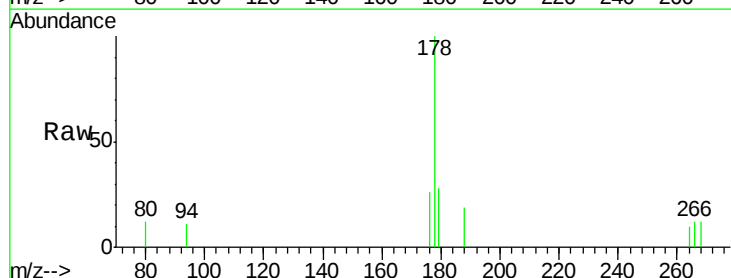
Tgt Ion:178 Resp: 918

Ion Ratio Lower Upper

178 100

179 27.9 13.6 20.4#

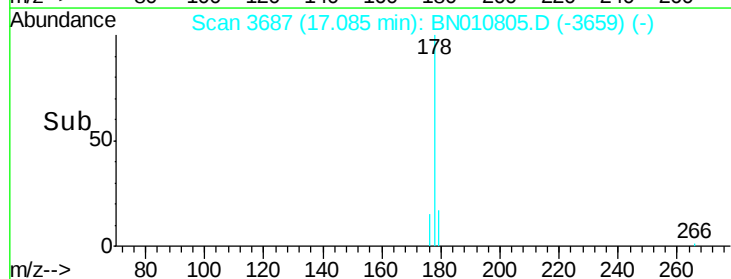
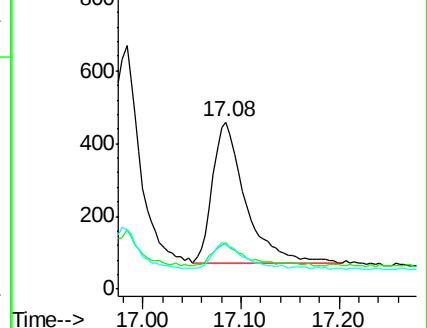
176 26.1 15.5 23.3#

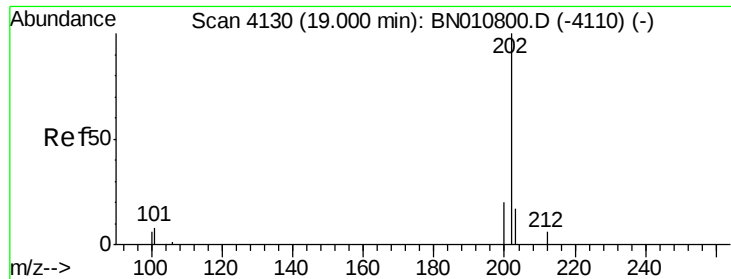


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.060 ng/ul

RT: 19.00 min Scan# 4131

Delta R.T. 0.00 min

Lab File: BN010805.D

Acq: 08 Jun 2020 12:46

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

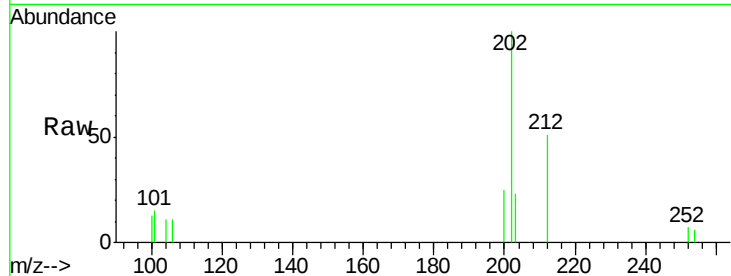
Tot Ion:202 Resp: 1340

Ion Ratio Lower Upper

202 100

101 14.7 0.0 29.8

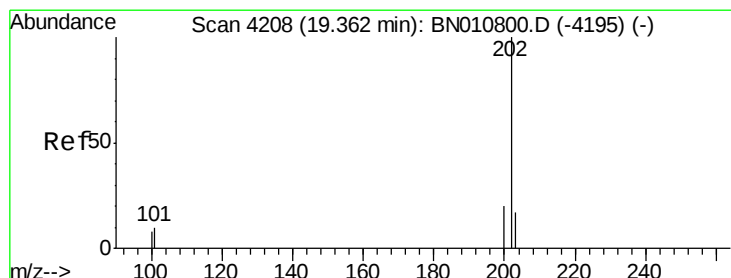
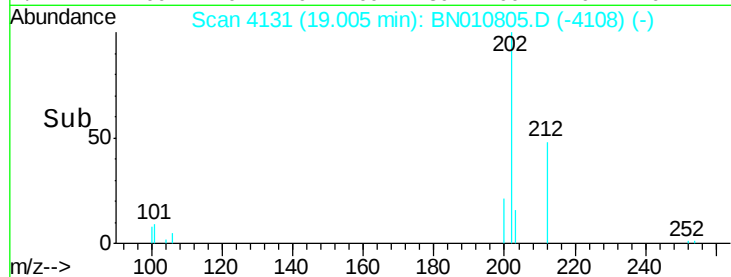
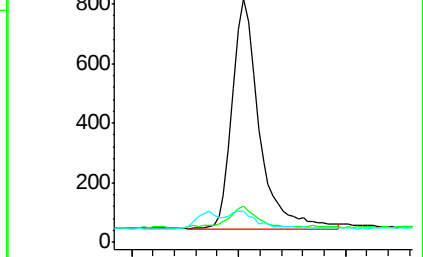
100 13.0 0.0 28.0



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: 0.061 ng/ul

RT: 19.37 min Scan# 4210

Delta R.T. 0.01 min

Lab File: BN010805.D

Acq: 08 Jun 2020 12:46

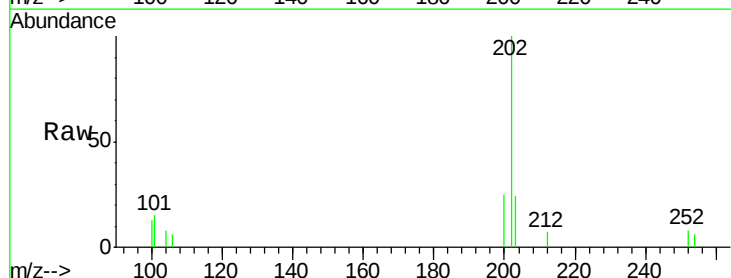
Tgt Ion:202 Resp: 1365

Ion Ratio Lower Upper

202 100

101 14.6 8.6 12.8#

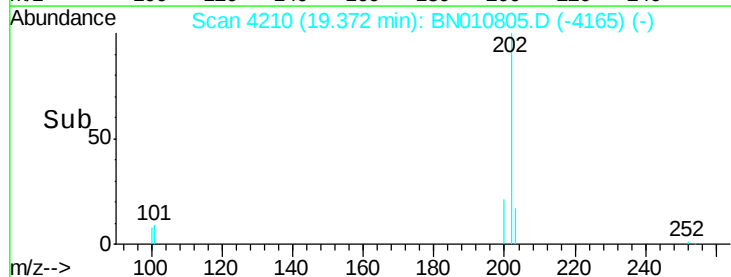
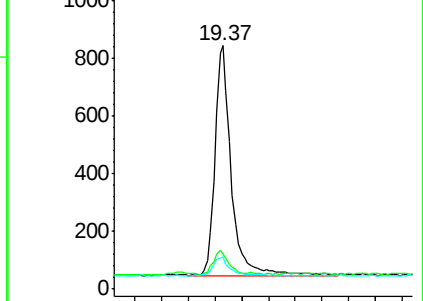
100 13.4 7.1 10.7#

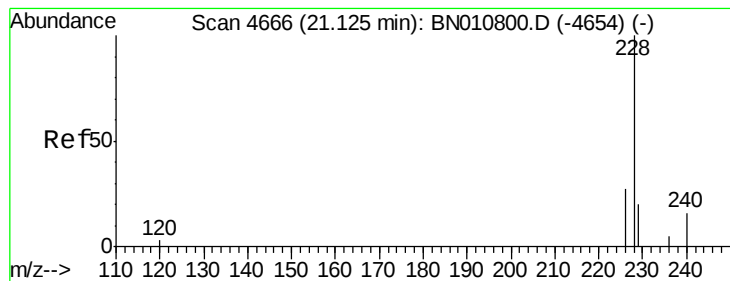


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.056 ng/ul

RT: 21.13 min Scan# 4669

Delta R.T. 0.01 min

Lab File: BN010805.D

Acq: 08 Jun 2020 12:46

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

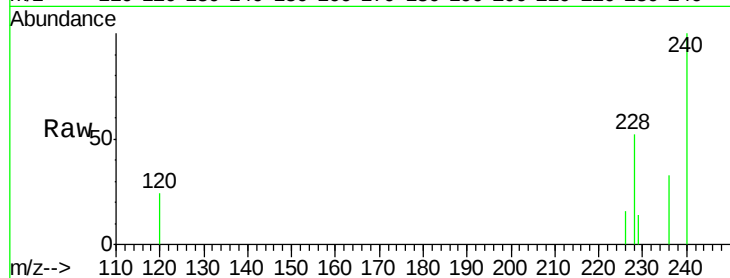
Tot Ion:228 Resp: 1027

Ion Ratio Lower Upper

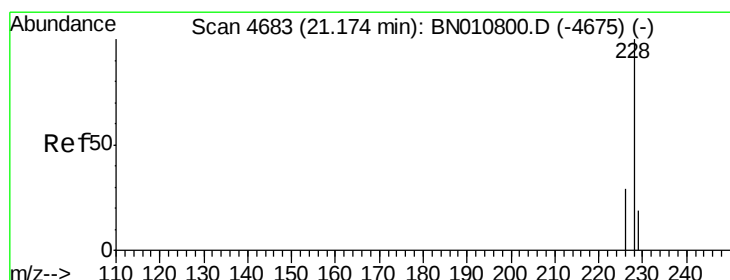
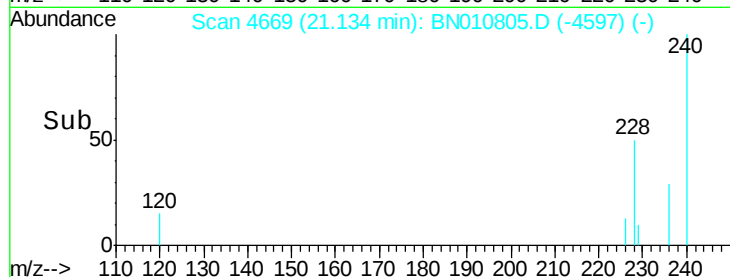
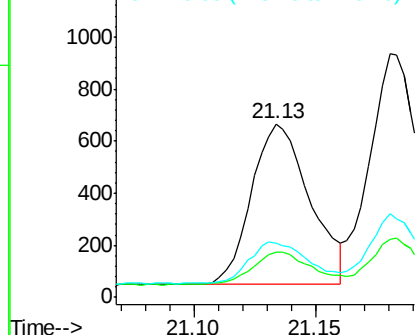
228 100

229 26.2 16.0 24.0#

226 30.9 22.9 34.3



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: 0.065 ng/ul

RT: 21.18 min Scan# 4685

Delta R.T. 0.01 min

Lab File: BN010805.D

Acq: 08 Jun 2020 12:46

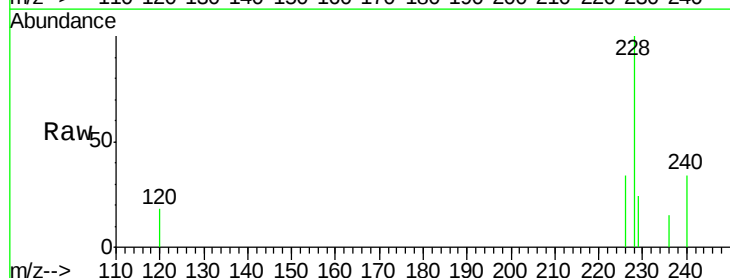
Tgt Ion:228 Resp: 1515

Ion Ratio Lower Upper

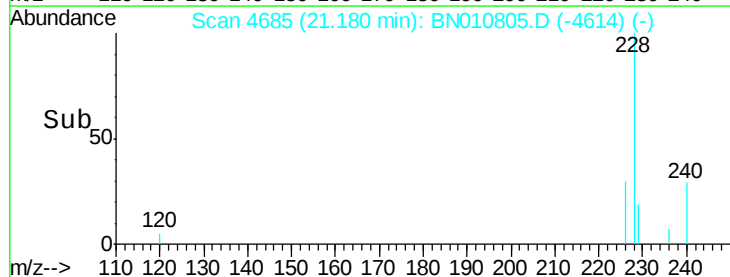
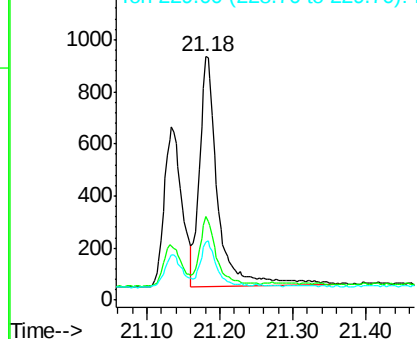
228 100

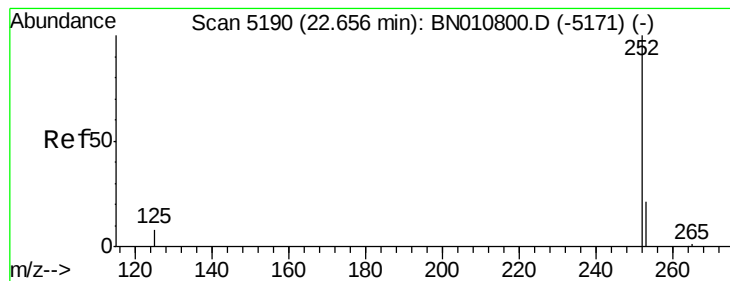
226 34.3 23.7 35.5

229 23.6 16.2 24.2



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: 0.058 ng/u1

RT: 22.66 min Scan# 5193

Delta R.T. 0.01 min

Lab File: BN010805.D

Acq: 08 Jun 2020 12:46

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

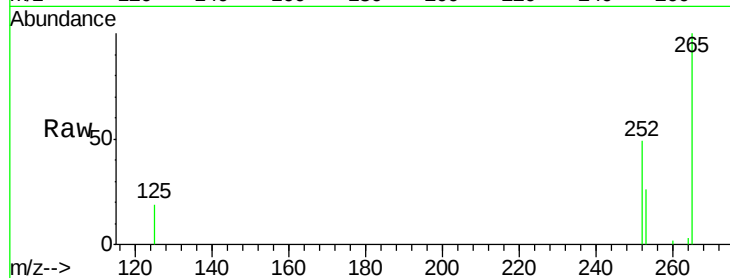
Tot Ion:252 Resp: 1195

Ion Ratio Lower Upper

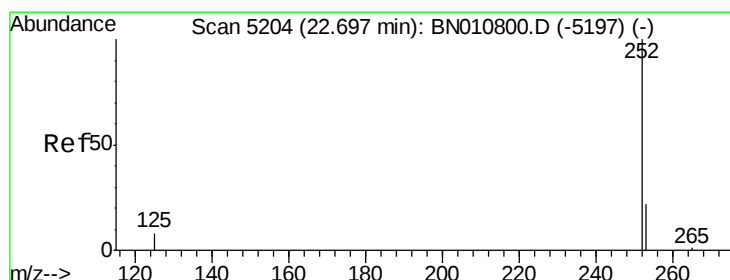
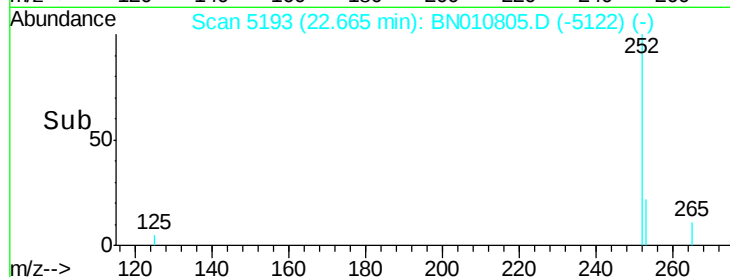
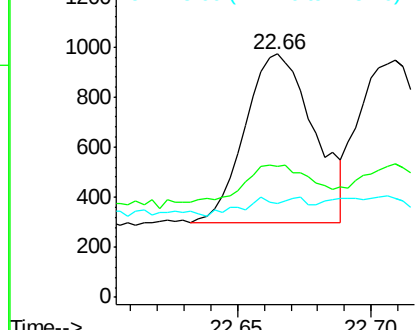
252 100

253 53.7 0.0 57.6

125 38.6 0.0 29.4#



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



#22

Benzo(k)fluoranthene

Concen: 0.063 ng/u1

RT: 22.71 min Scan# 5208

Delta R.T. 0.01 min

Lab File: BN010805.D

Acq: 08 Jun 2020 12:46

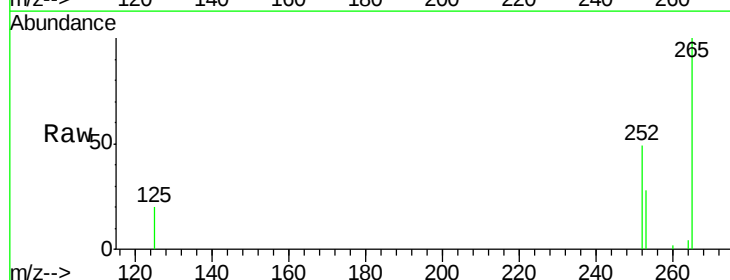
Tgt Ion:252 Resp: 1373

Ion Ratio Lower Upper

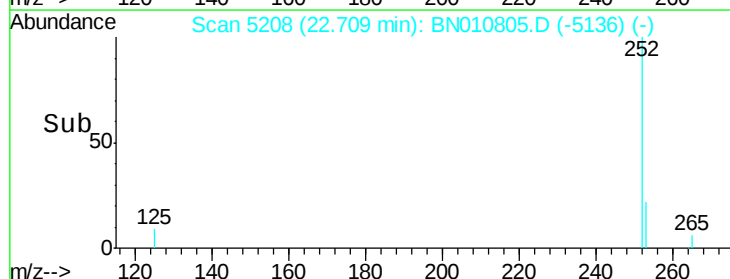
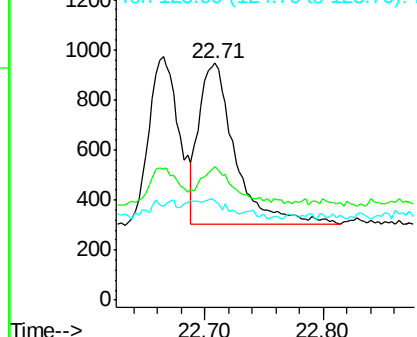
252 100

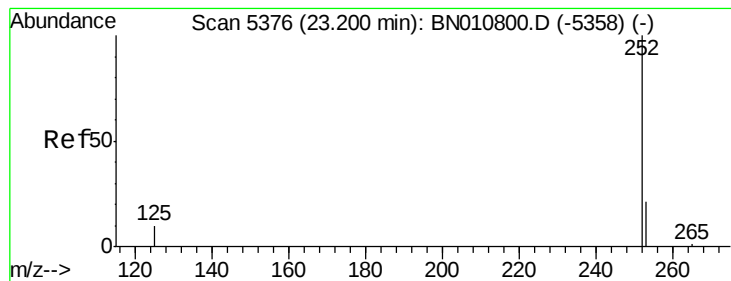
253 56.3 22.7 34.1#

125 41.5 12.2 18.4#



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





#23

Benzo(a)pyrene

Concen: 0.064 ng/u1

RT: 23.21 min Scan# 5379

Delta R.T. 0.01 min

Lab File: BN010805.D

Acq: 08 Jun 2020 12:46

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

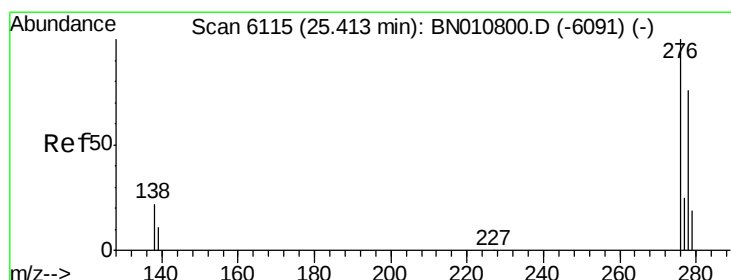
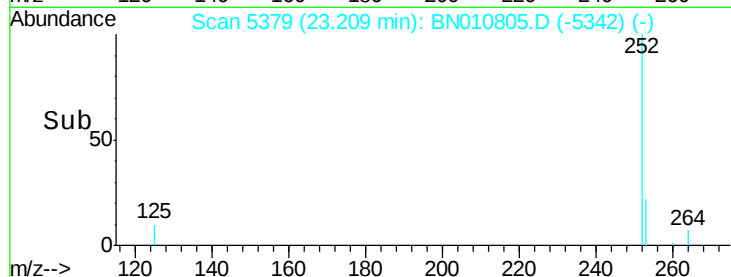
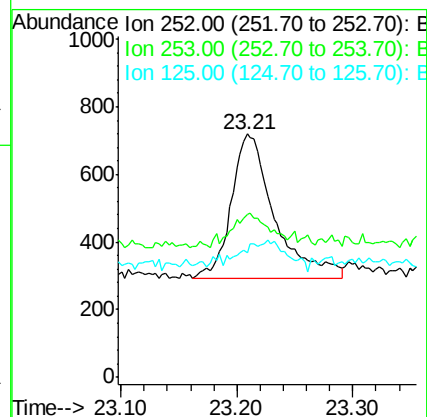
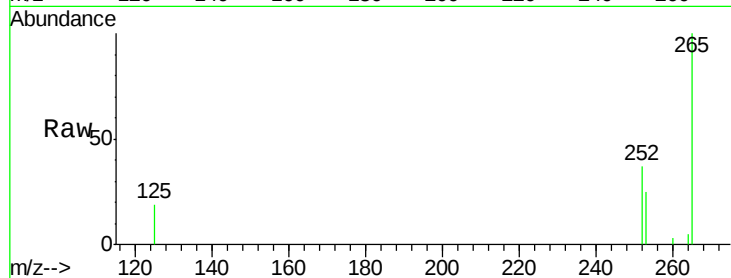
Tot Ion:252 Resp: 1102

Ion Ratio Lower Upper

252 100

253 66.8 26.3 39.5#

125 51.4 16.1 24.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.058 ng/u1

RT: 25.43 min Scan# 6120

Delta R.T. 0.02 min

Lab File: BN010805.D

Acq: 08 Jun 2020 12:46

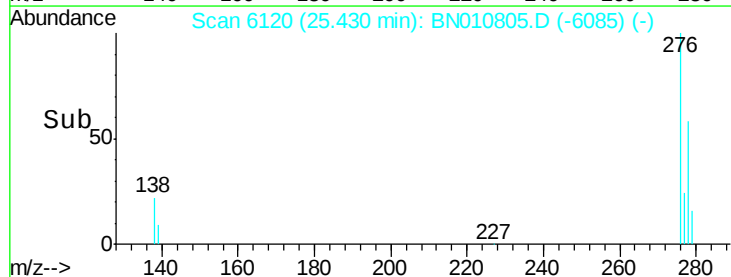
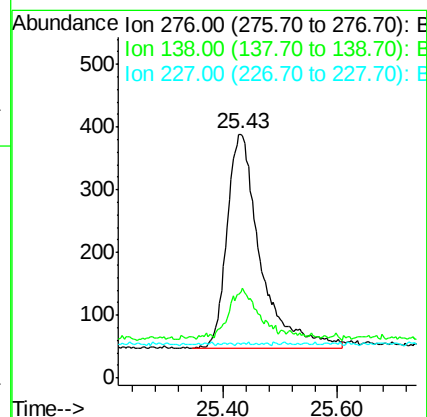
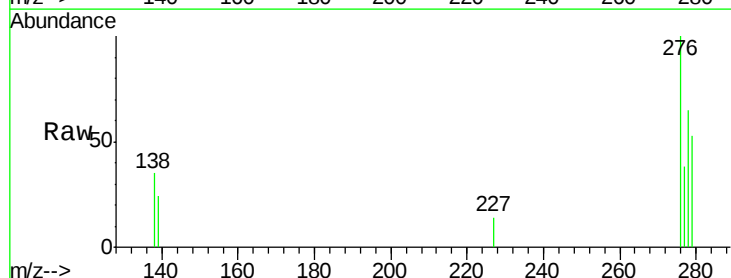
Tgt Ion:276 Resp: 1373

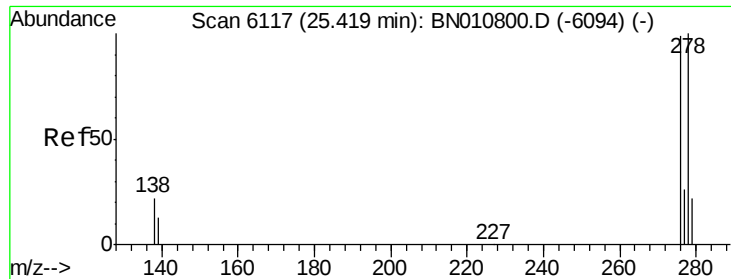
Ion Ratio Lower Upper

276 100

138 19.7 17.6 26.4

227 0.3 0.1 0.1#

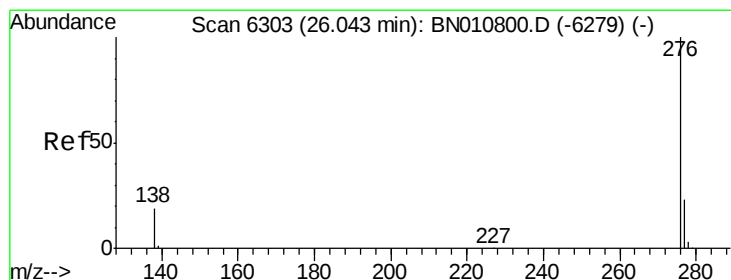
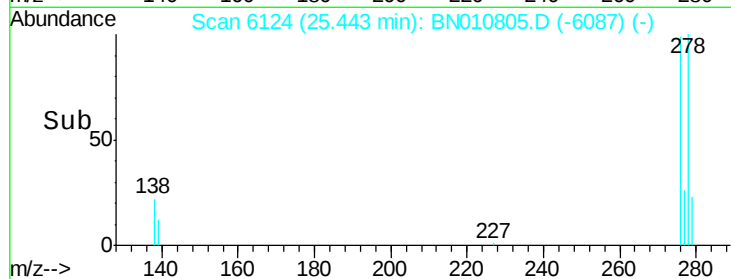
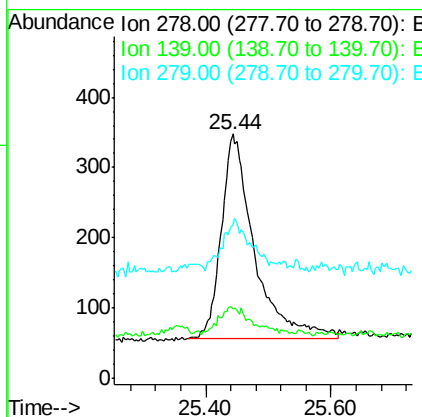
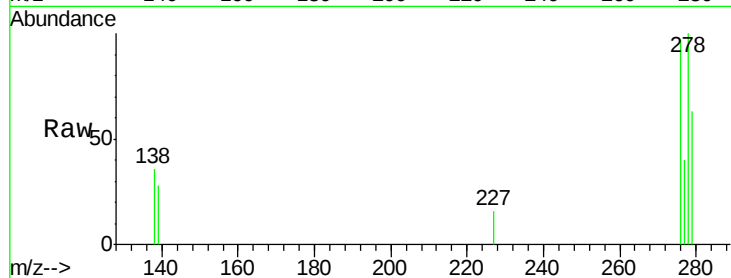




#25
Dibenzo(a,h)anthracene
Concen: 0.056 ng/ul
RT: 25.44 min Scan# 6124
Delta R.T. 0.02 min
Lab File: BN010805.D
Acq: 08 Jun 2020 12:46

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion:278 Resp: 1082
Ion Ratio Lower Upper
278 100
139 27.9 13.7 20.5#
279 62.9 23.9 35.9#



#26
Benzo(g,h,i)perylene
Concen: 0.059 ng/ul
RT: 26.06 min Scan# 6309
Delta R.T. 0.02 min
Lab File: BN010805.D
Acq: 08 Jun 2020 12:46

Tgt Ion:276 Resp: 1288
Ion Ratio Lower Upper
276 100
138 30.9 17.5 26.3#
277 36.6 20.7 31.1#

