

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060420\
 Data File : BN010761.D
 Acq On : 04 Jun 2020 13:50
 Operator : CG/JU
 Sample : L1955-01
 Misc : MDL-S-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-01

Quant Time: Jun 04 14:31:41 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 12:51:10 2020
 Response via : Initial Calibration

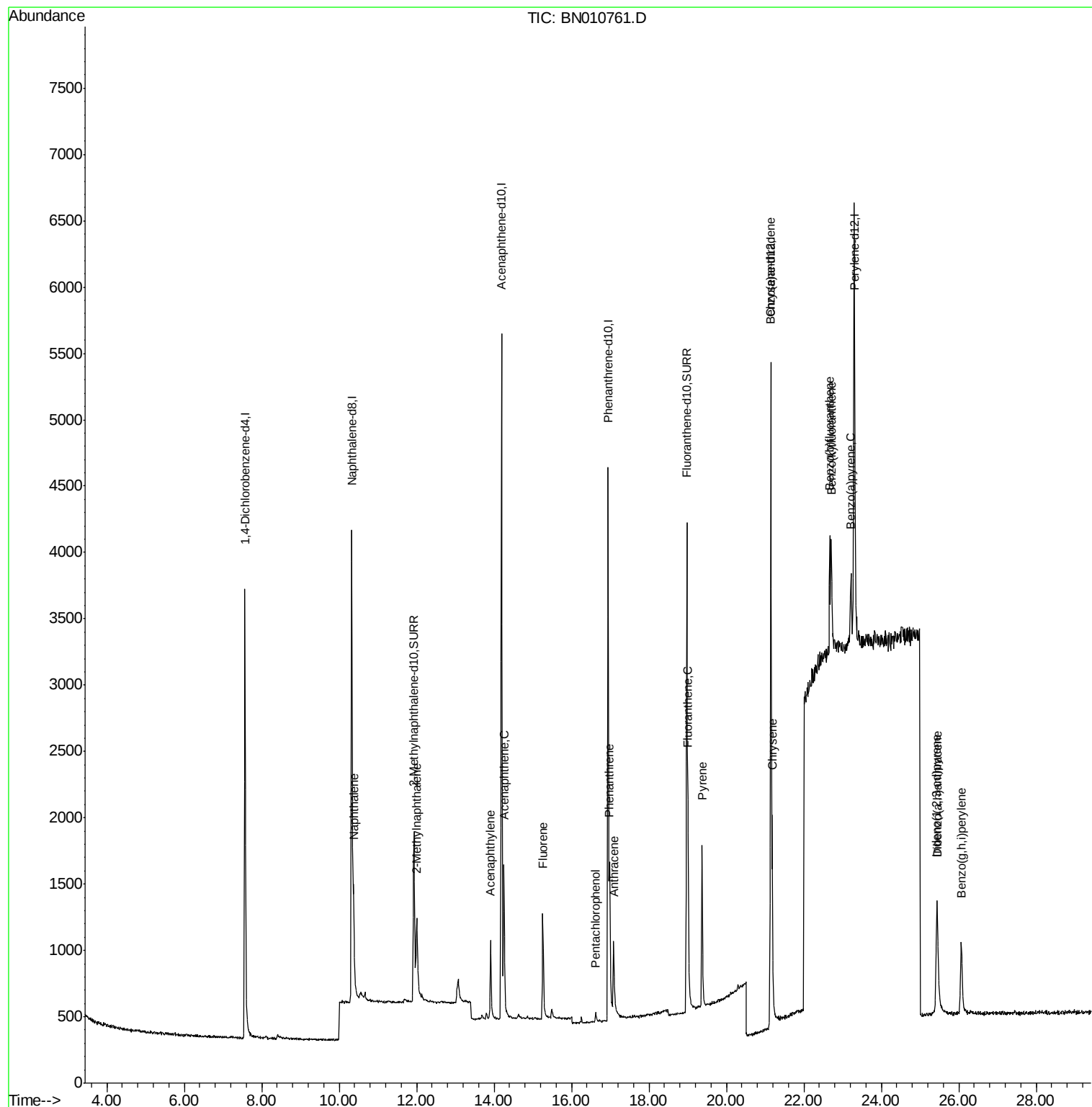
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	1989	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	6587	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	3446	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	6532	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	5300	0.40	ng/ul	0.00
20) Perylene-d12	23.30	264	4828	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.93	152	2775	0.18	ng/ul	0.02
14) Fluoranthene-d10	18.98	212	5364	0.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.37	128	1138	0.059	ng/ul#	85
5) 2-Methylnaphthalene	12.01	142	674	0.055	ng/ul	98
7) Acenaphthylene	13.91	152	852	0.055	ng/ul#	83
8) Acenaphthene	14.26	153	753	0.058	ng/ul	98
9) Fluorene	15.26	166	760	0.054	ng/ul#	94
11) Pentachlorophenol	16.62	266	62	0.041	ng/ul#	86
12) Phenanthrene	16.99	178	1206	0.057	ng/ul#	87
13) Anthracene	17.08	178	880	0.050	ng/ul#	81
15) Fluoranthene	19.01	202	1348	0.057	ng/ul	88
17) Pyrene	19.37	202	1373	0.060	ng/ul#	86
18) Benzo(a)anthracene	21.14	228	1033	0.055	ng/ul	95
19) Chrysene	21.19	228	1427	0.060	ng/ul	95
21) Benzo(b)fluoranthene	22.67	252	1209	0.056	ng/ul#	48
22) Benzo(k)fluoranthene	22.71	252	1243	0.055	ng/ul#	42
23) Benzo(a)pyrene	23.21	252	1030	0.057	ng/ul#	26
24) Indeno(1,2,3-cd)pyrene	25.43	276	1360	0.055	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.45	278	1080	0.053	ng/ul#	49
26) Benzo(g,h,i)perylene	26.07	276	1250	0.054	ng/ul#	78

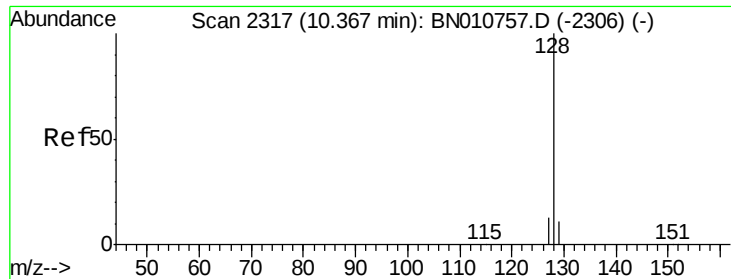
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060420\
Data File : BN010761.D
Acq On : 04 Jun 2020 13:50
Operator : CG/JU
Sample : L1955-01
Misc : MDL-S-01
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Quant Time: Jun 04 14:31:41 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 12:51:10 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.059 ng/ul

RT: 10.37 min Scan# 2318

Delta R.T. 0.01 min

Lab File: BN010761.D

Acq: 04 Jun 2020 13:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-01

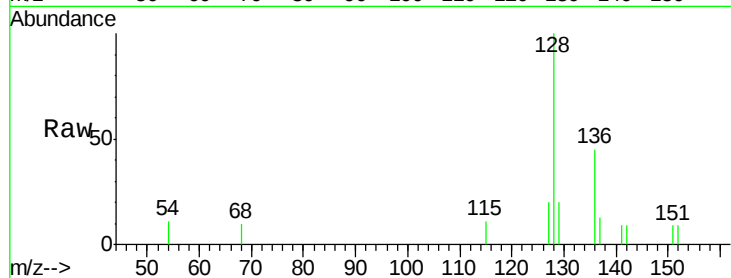
Tot Ion:128 Resp: 1138

Ion Ratio Lower Upper

128 100

129 19.7 9.9 14.9#

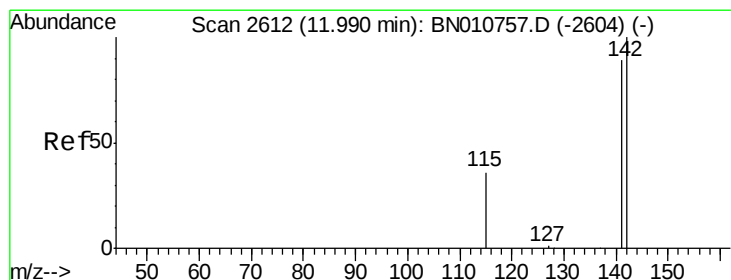
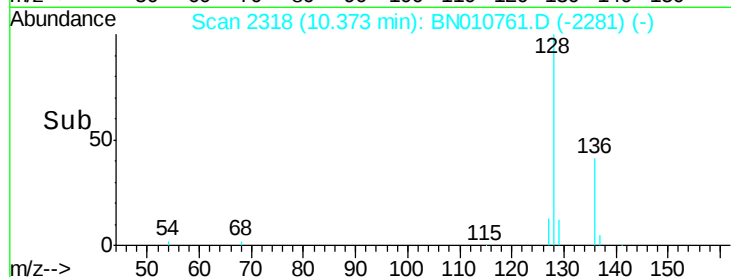
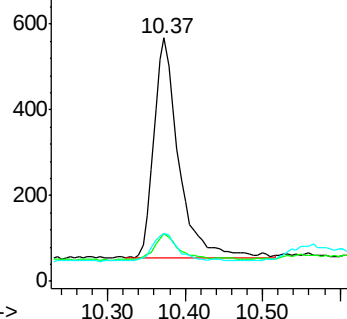
127 19.7 11.7 17.5#



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: 0.055 ng/ul

RT: 12.01 min Scan# 2615

Delta R.T. 0.02 min

Lab File: BN010761.D

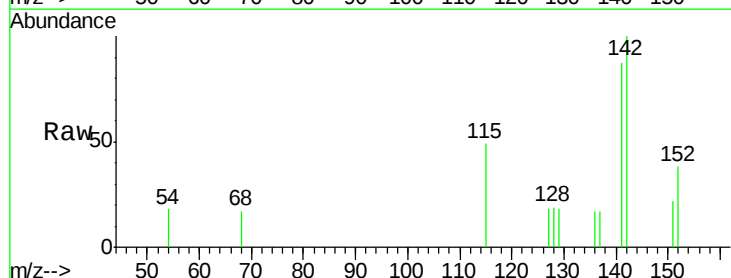
Acq: 04 Jun 2020 13:50

Tgt Ion:142 Resp: 674

Ion Ratio Lower Upper

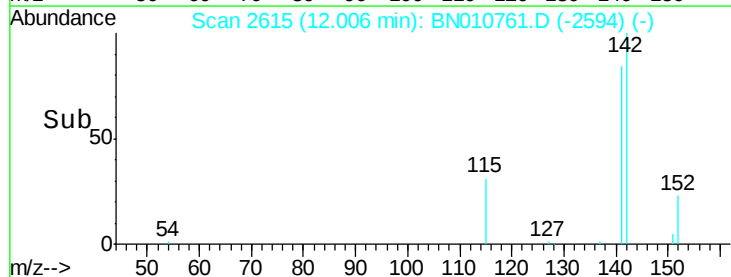
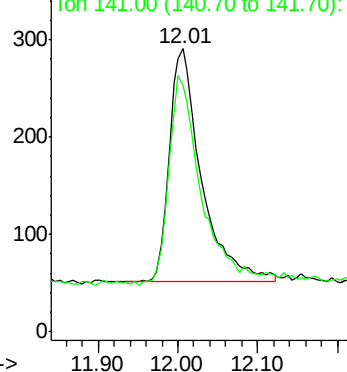
142 100

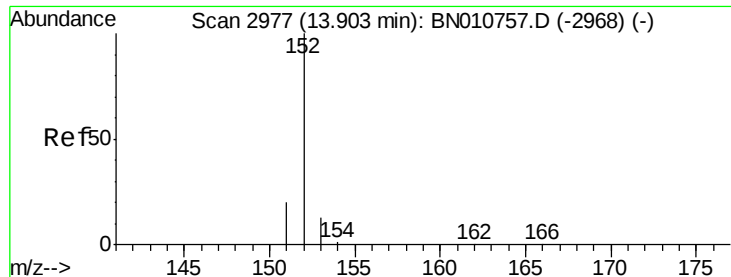
141 92.1 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.055 ng/ul

RT: 13.91 min Scan# 2979

Delta R.T. 0.01 min

Lab File: BN010761.D

Acq: 04 Jun 2020 13:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-01

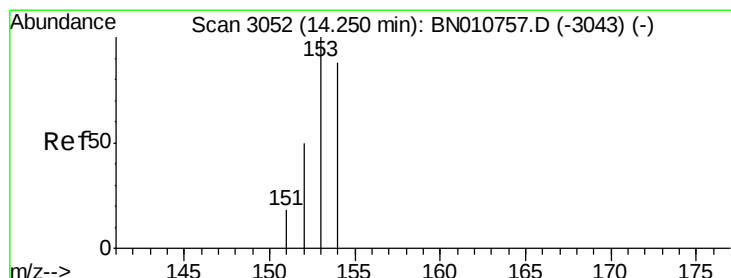
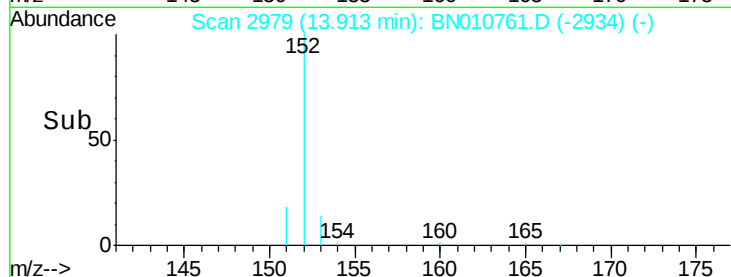
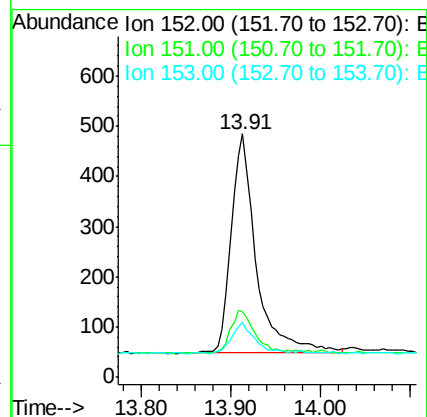
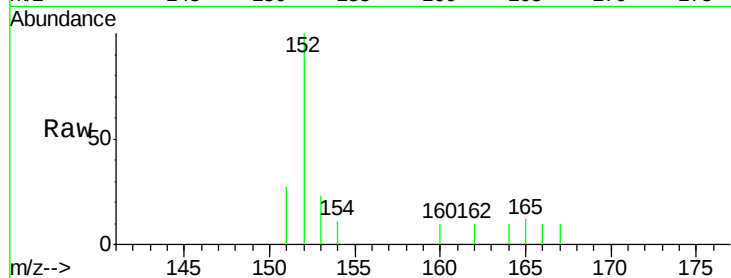
Tot Ion:152 Resp: 852

Ion Ratio Lower Upper

152 100

151 26.8 16.3 24.5#

153 22.9 11.4 17.2#



#8

Acenaphthene

Concen: 0.058 ng/ul

RT: 14.26 min Scan# 3053

Delta R.T. 0.00 min

Lab File: BN010761.D

Acq: 04 Jun 2020 13:50

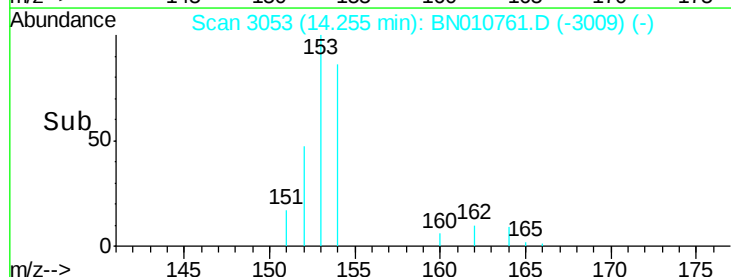
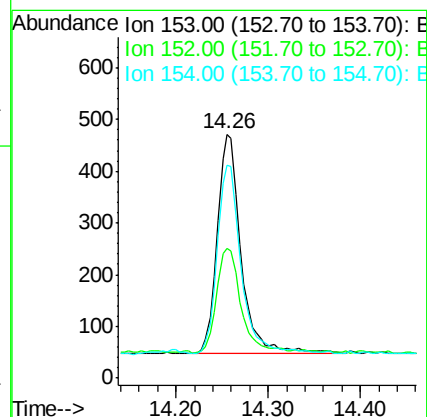
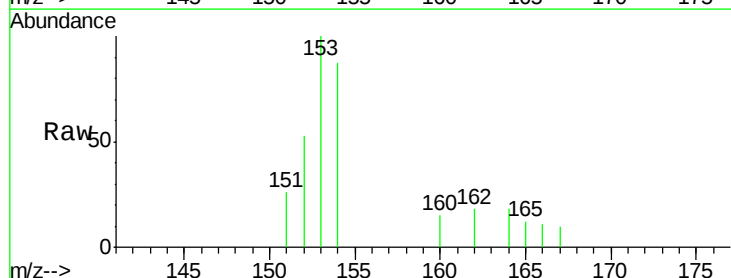
Tgt Ion:153 Resp: 753

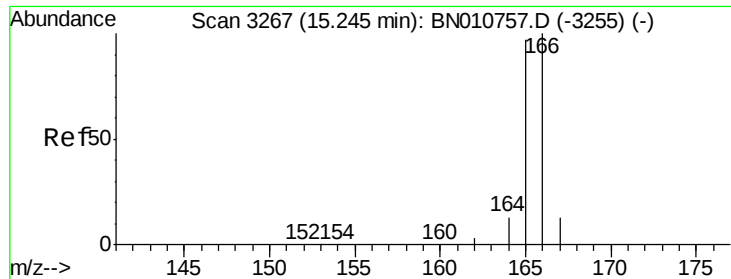
Ion Ratio Lower Upper

153 100

152 53.1 40.1 60.1

154 87.3 70.6 106.0





#9

Fluorene

Concen: 0.054 ng/ul

RT: 15.26 min Scan# 3270

Delta R.T. 0.01 min

Lab File: BN010761.D

Acq: 04 Jun 2020 13:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-01

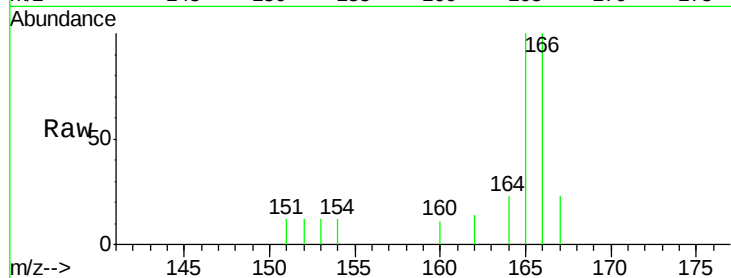
Tot Ion:166 Resp: 760

Ion Ratio Lower Upper

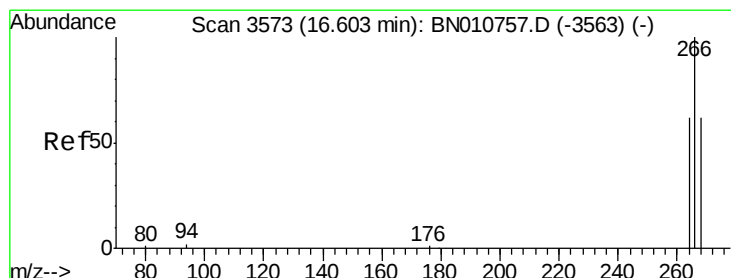
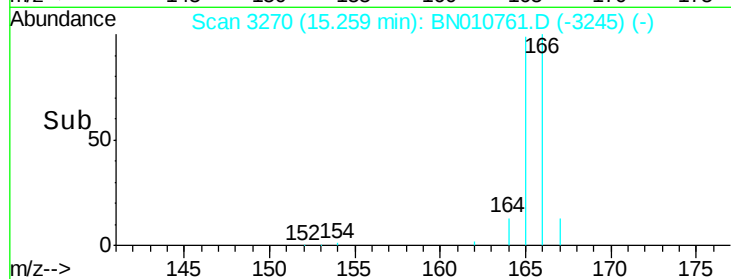
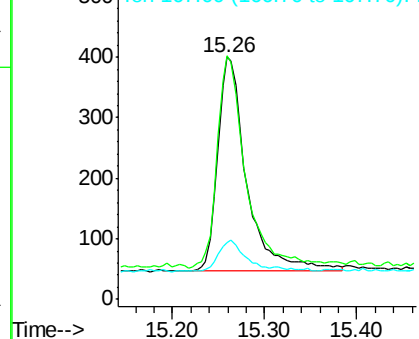
166 100

165 100.5 77.3 115.9

167 23.3 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



#11

Pentachlorophenol

Concen: 0.041 ng/ul

RT: 16.62 min Scan# 3578

Delta R.T. 0.02 min

Lab File: BN010761.D

Acq: 04 Jun 2020 13:50

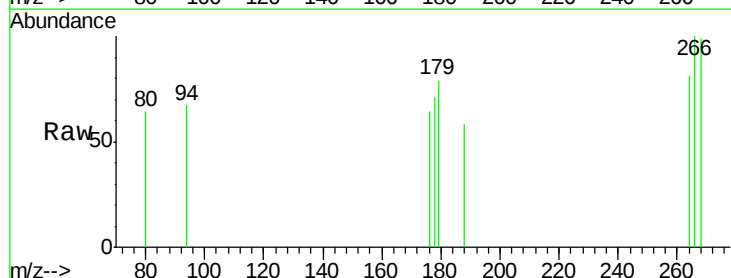
Tgt Ion:266 Resp: 62

Ion Ratio Lower Upper

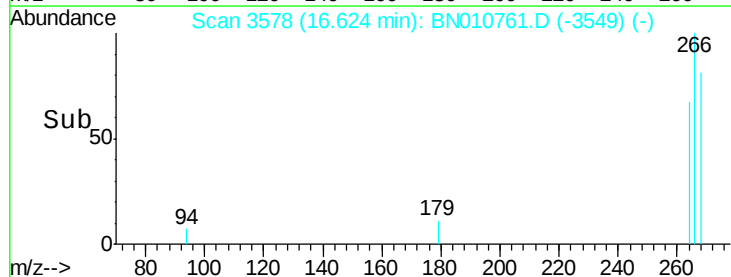
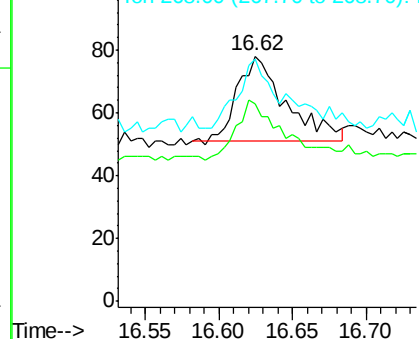
266 100

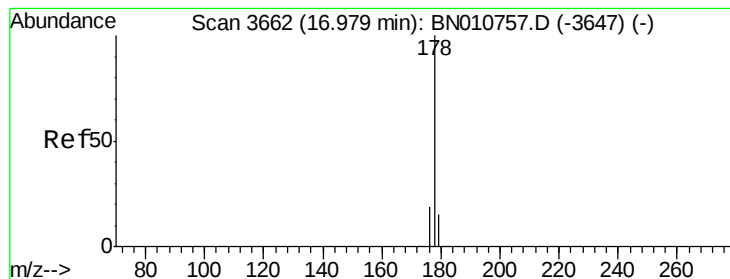
264 77.4 50.3 75.5#

268 75.8 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





#12

Phenanthrene

Concen: 0.057 ng/ul

RT: 16.99 min Scan# 3664

Delta R.T. 0.01 min

Lab File: BN010761.D

Acq: 04 Jun 2020 13:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-01

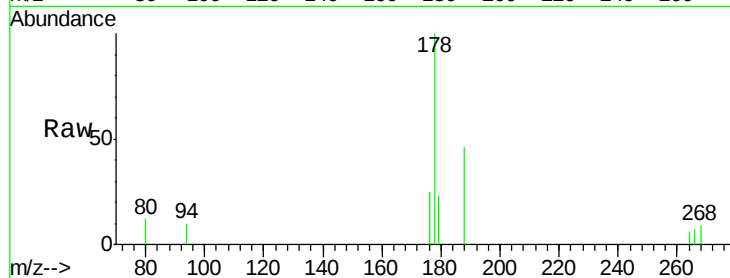
Tot Ion:178 Resp: 1206

Ion Ratio Lower Upper

178 100

179 22.8 13.0 19.6#

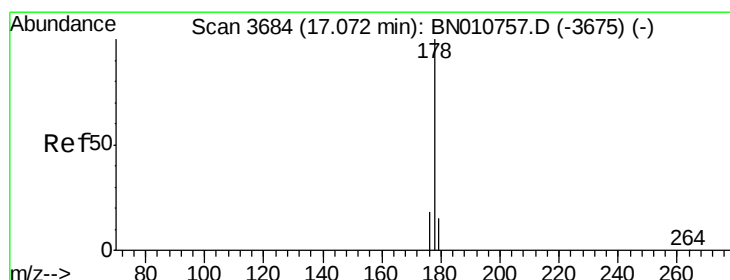
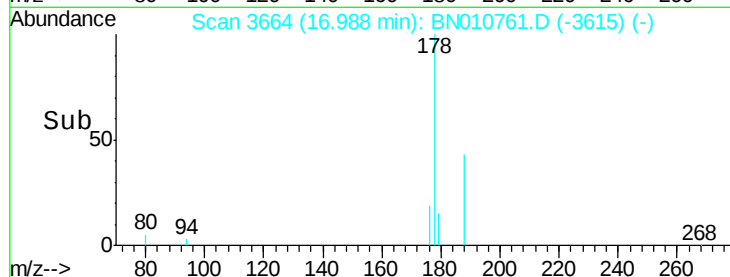
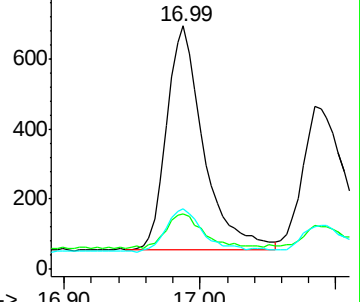
176 25.1 15.8 23.8#



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: 0.050 ng/ul

RT: 17.08 min Scan# 3687

Delta R.T. 0.01 min

Lab File: BN010761.D

Acq: 04 Jun 2020 13:50

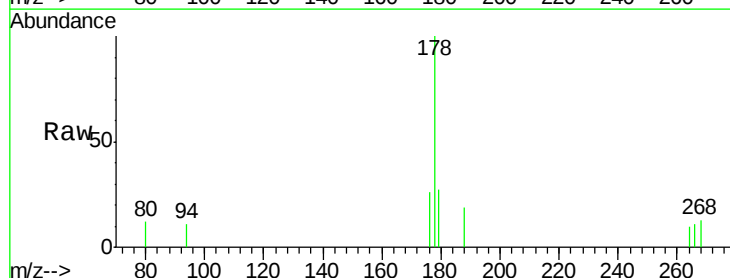
Tgt Ion:178 Resp: 880

Ion Ratio Lower Upper

178 100

179 26.9 13.6 20.4#

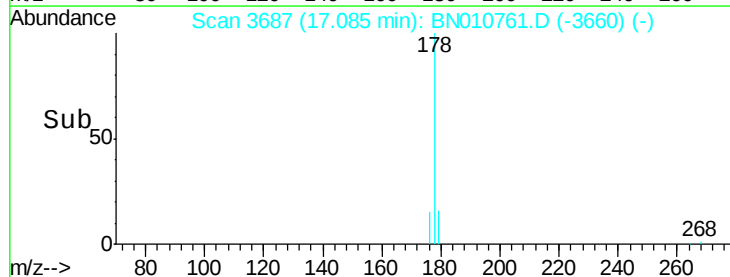
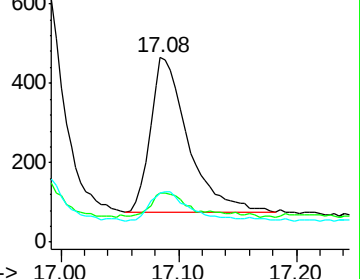
176 26.5 15.5 23.3#

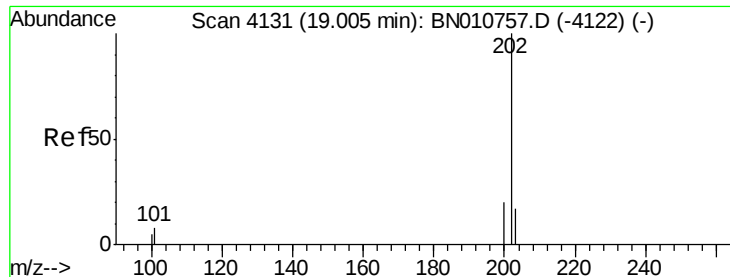


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

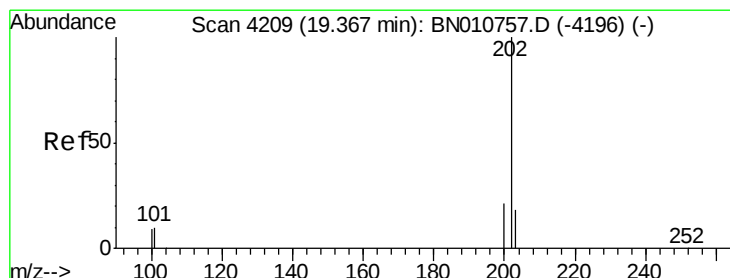
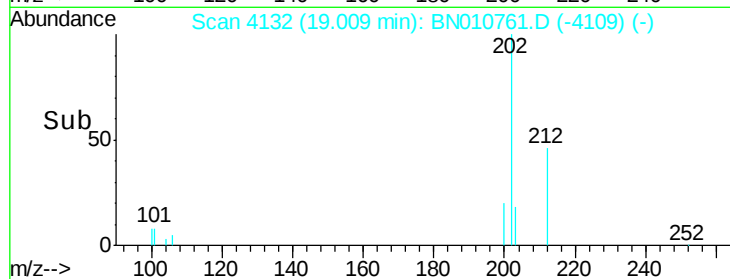
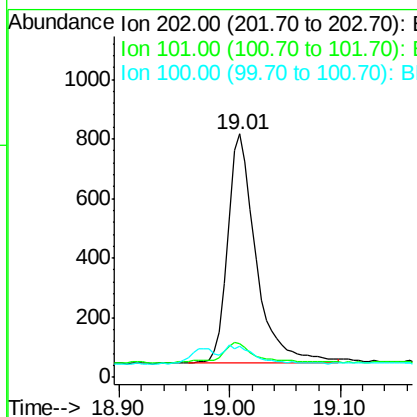
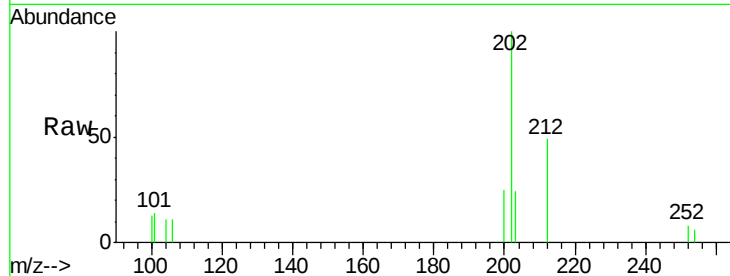




#15
Fluoranthene
 Concen: 0.057 ng/ul
 RT: 19.01 min Scan# 4132
 Delta R.T. 0.00 min
 Lab File: BN010761.D
 Acq: 04 Jun 2020 13:50

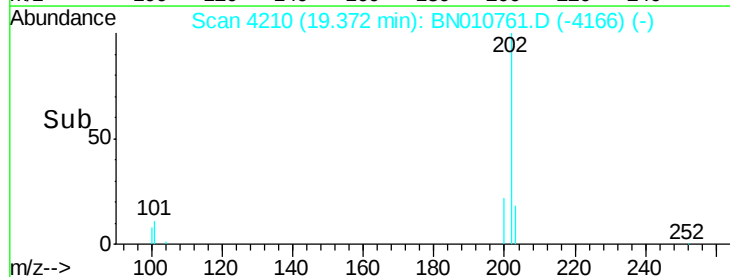
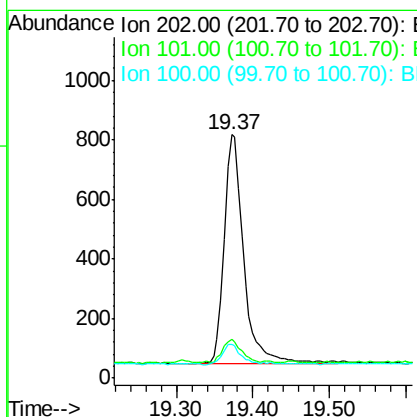
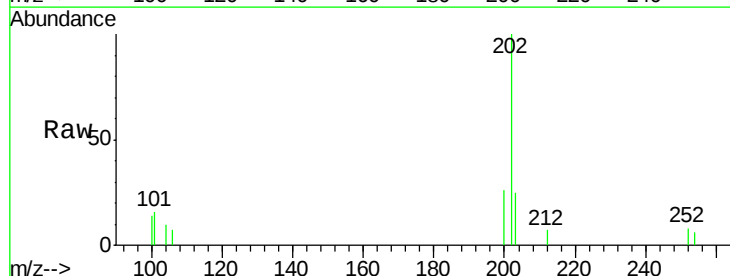
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-01

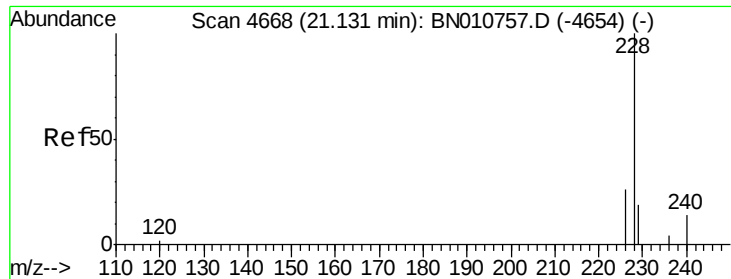
Tot Ion:202 Resp: 1348
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 29.8
 100 12.7 0.0 28.0



#17
Pyrene
 Concen: 0.060 ng/ul
 RT: 19.37 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: BN010761.D
 Acq: 04 Jun 2020 13:50

Tgt Ion:202 Resp: 1373
 Ion Ratio Lower Upper
 202 100
 101 16.1 8.6 12.8#
 100 13.6 7.1 10.7#





#18

Benzo(a)anthracene

Concen: 0.055 ng/ul

RT: 21.14 min Scan# 4670

Delta R.T. 0.01 min

Lab File: BN010761.D

Acq: 04 Jun 2020 13:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-01

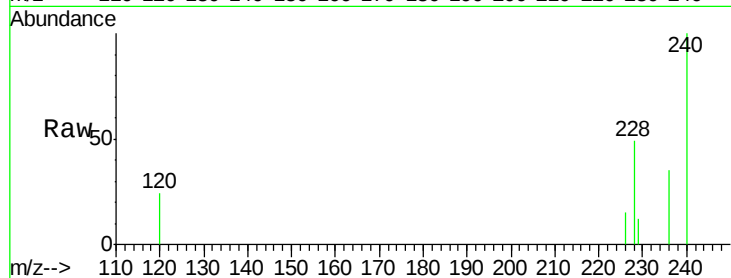
Tot Ion:228 Resp: 1033

Ion Ratio Lower Upper

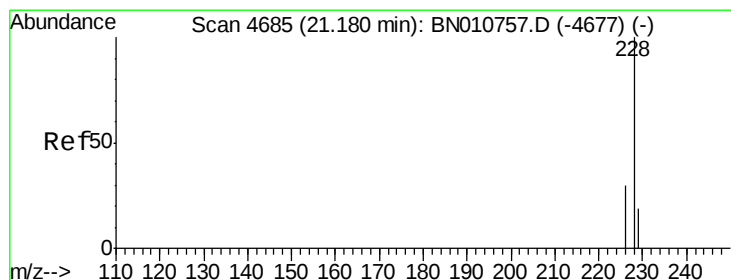
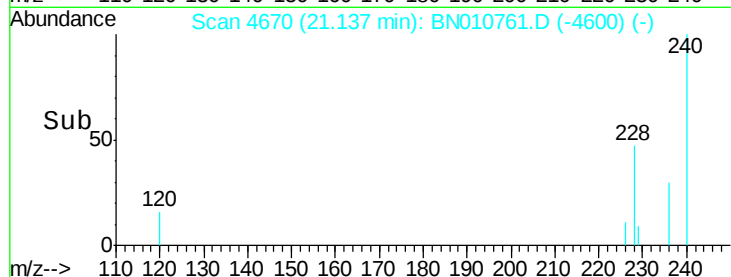
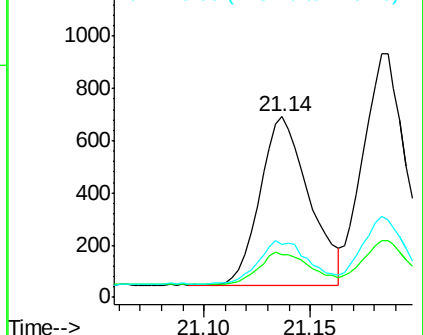
228 100

229 23.8 16.0 24.0

226 29.6 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: 0.060 ng/ul

RT: 21.19 min Scan# 4687

Delta R.T. 0.01 min

Lab File: BN010761.D

Acq: 04 Jun 2020 13:50

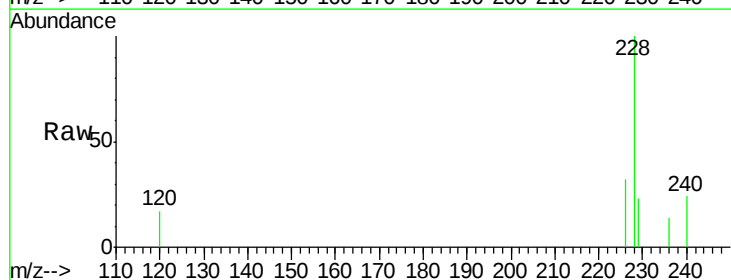
Tgt Ion:228 Resp: 1427

Ion Ratio Lower Upper

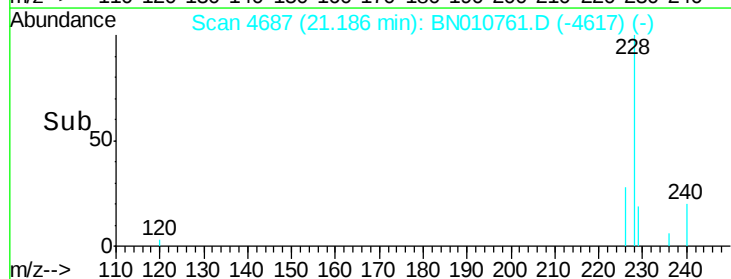
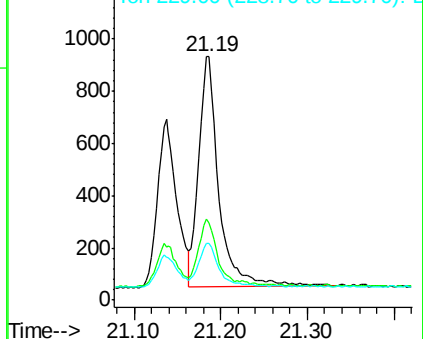
228 100

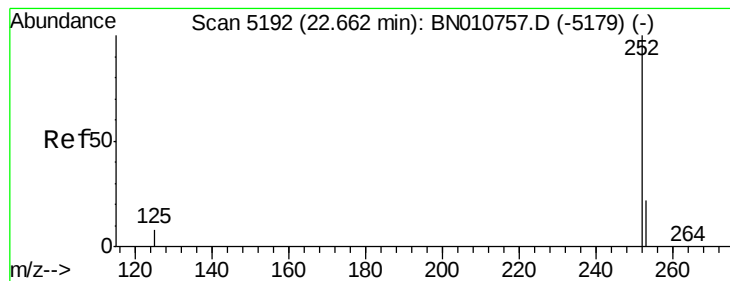
226 31.7 23.7 35.5

229 23.5 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: 0.056 ng/u1

RT: 22.67 min Scan# 5194

Delta R.T. 0.01 min

Lab File: BN010761.D

Acq: 04 Jun 2020 13:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-01

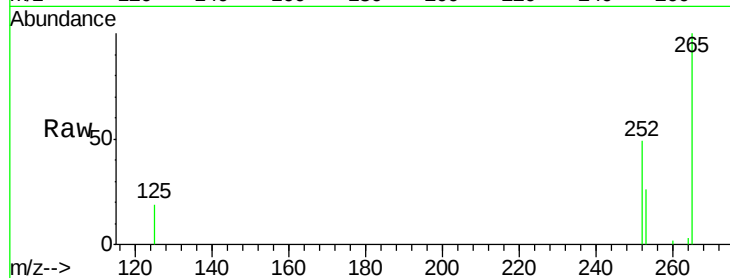
Tot Ion:252 Resp: 1209

Ion Ratio Lower Upper

252 100

253 54.2 0.0 57.6

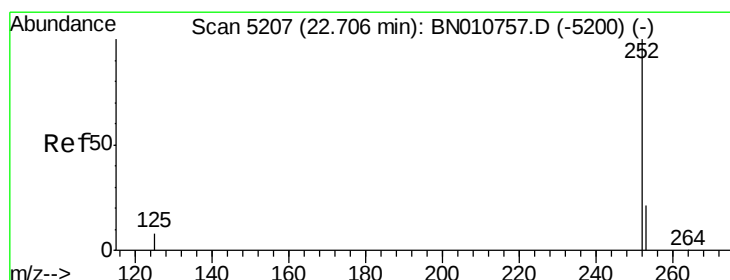
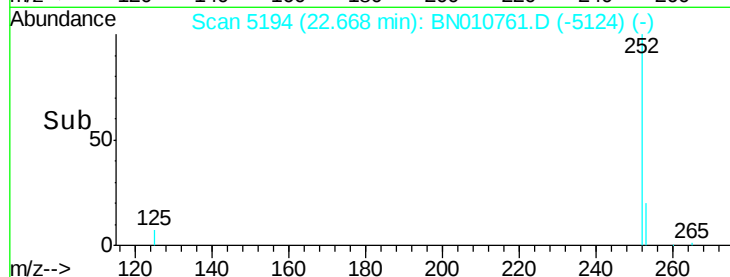
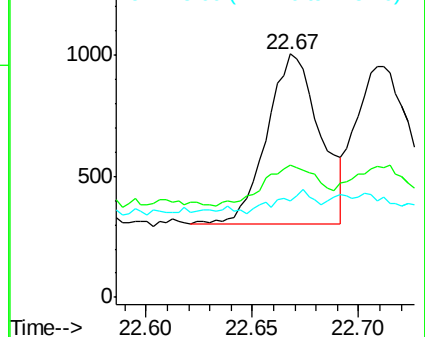
125 39.8 0.0 29.4#



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: 0.055 ng/u1

RT: 22.71 min Scan# 5209

Delta R.T. 0.01 min

Lab File: BN010761.D

Acq: 04 Jun 2020 13:50

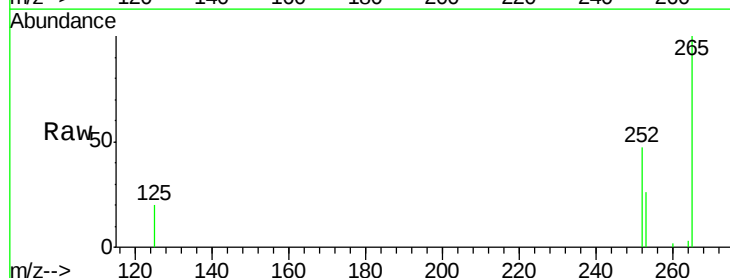
Tgt Ion:252 Resp: 1243

Ion Ratio Lower Upper

252 100

253 56.4 22.7 34.1#

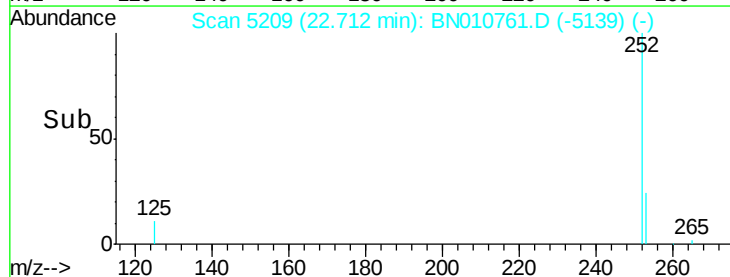
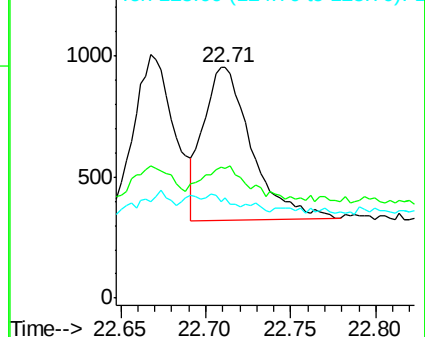
125 43.4 12.2 18.4#

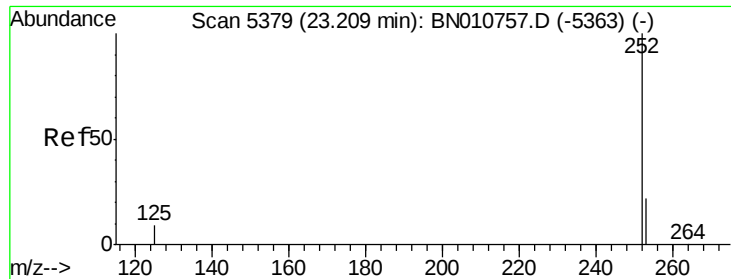


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.057 ng/u1

RT: 23.21 min Scan# 5380

Delta R.T. 0.00 min

Lab File: BN010761.D

Acq: 04 Jun 2020 13:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-01

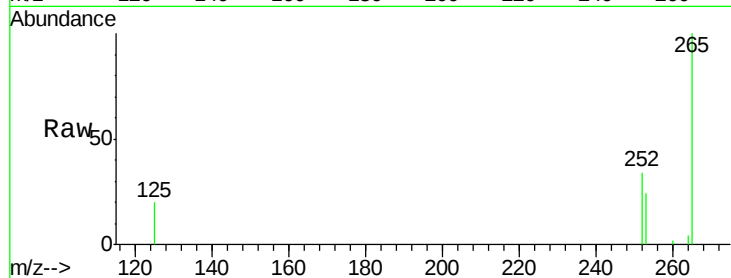
Tot Ion:252 Resp: 1030

Ion Ratio Lower Upper

252 100

253 70.9 26.3 39.5#

125 59.3 16.1 24.1#



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

23.21

800

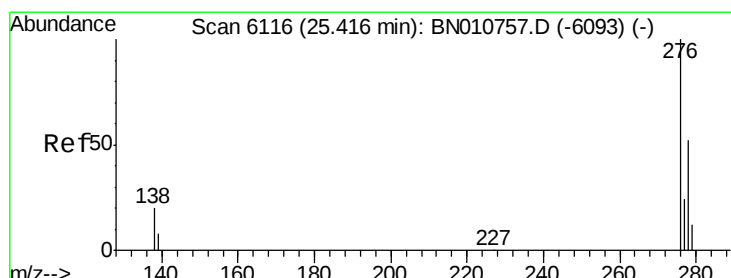
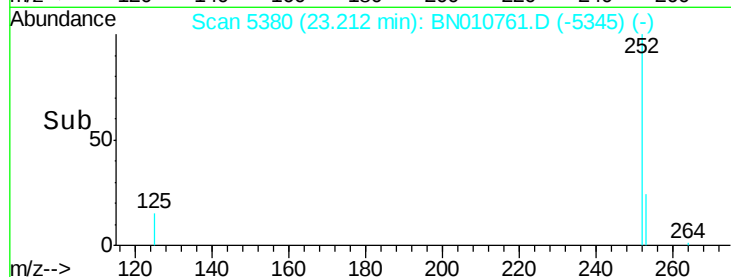
600

400

200

0

Time-->



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.055 ng/u1

RT: 25.43 min Scan# 6120

Delta R.T. 0.01 min

Lab File: BN010761.D

Acq: 04 Jun 2020 13:50

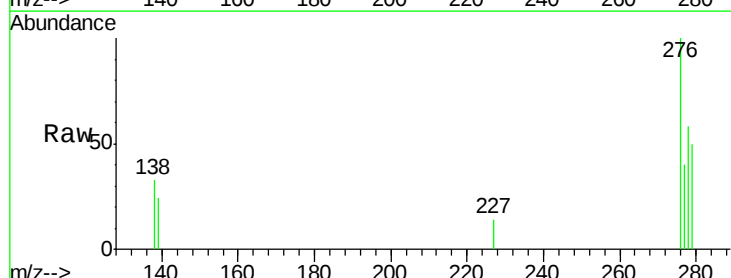
Tgt Ion:276 Resp: 1360

Ion Ratio Lower Upper

276 100

138 17.7 17.6 26.4

227 0.1 0.1 0.1#



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

25.43

500

400

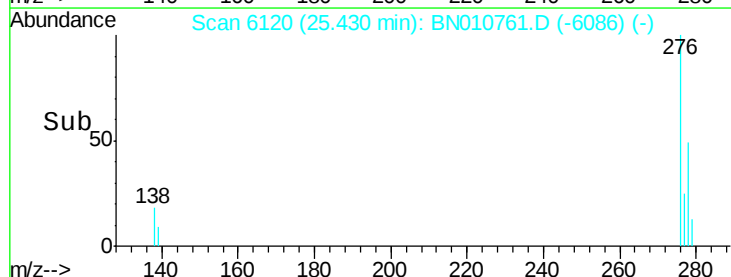
300

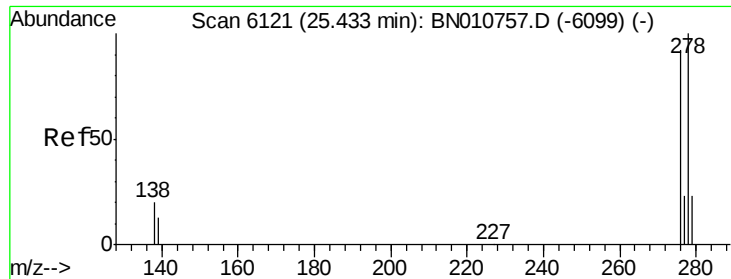
200

100

0

Time-->

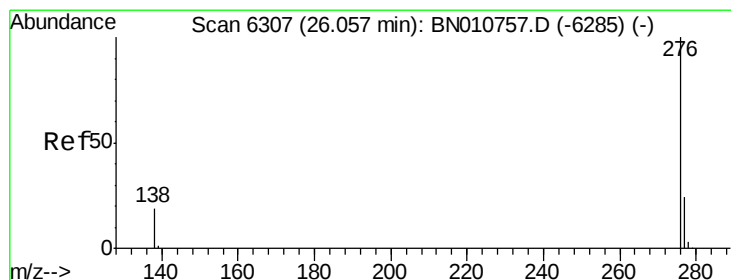
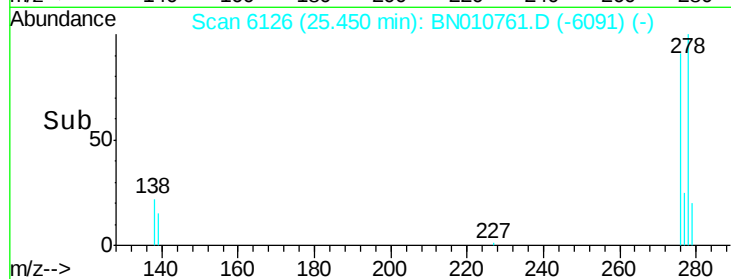
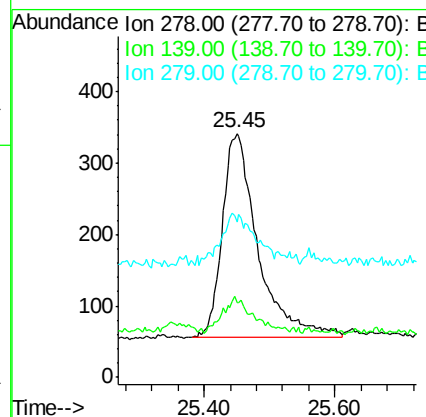
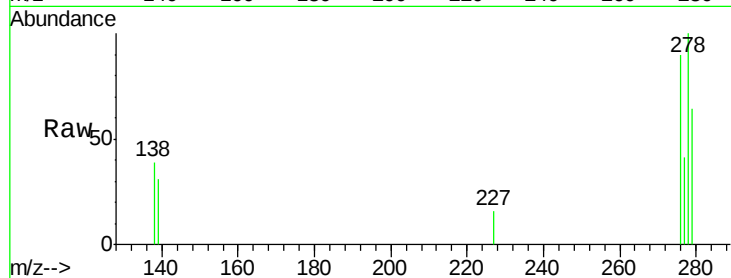




#25
Dibenzo(a,h)anthracene
Concen: 0.053 ng/ul
RT: 25.45 min Scan# 6126
Delta R.T. 0.02 min
Lab File: BN010761.D
Acq: 04 Jun 2020 13:50

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-01

Tot Ion:278 Resp: 1080
Ion Ratio Lower Upper
278 100
139 30.8 13.7 20.5#
279 63.6 23.9 35.9#



#26
Benzo(g,h,i)perylene
Concen: 0.054 ng/ul
RT: 26.07 min Scan# 6310
Delta R.T. 0.01 min
Lab File: BN010761.D
Acq: 04 Jun 2020 13:50

Tgt Ion:276 Resp: 1250
Ion Ratio Lower Upper
276 100
138 31.8 17.5 26.3#
277 37.6 20.7 31.1#

