

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060420\
 Data File : BN010762.D
 Acq On : 04 Jun 2020 14:26
 Operator : CG/JU
 Sample : L1955-02
 Misc : MDL-S-02
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-02

Quant Time: Jun 04 15:35:10 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

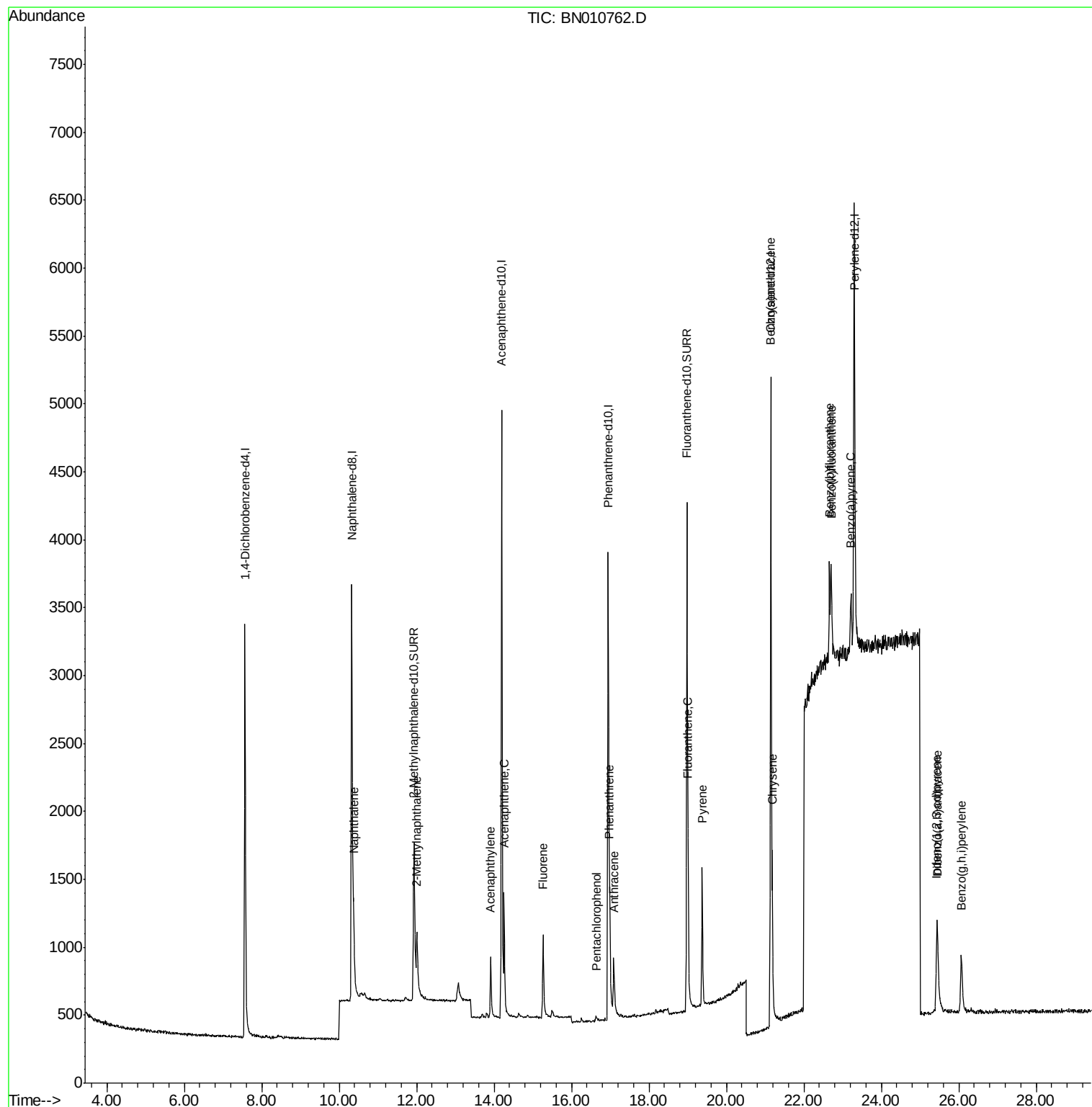
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	1836	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	5856	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	3036	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	5830	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	4880	0.40	ng/ul	0.00
20) Perylene-d12	23.30	264	4617	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.93	152	2583	0.19	ng/ul	0.02
14) Fluoranthene-d10	18.98	212	5199	0.21	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.37	128	889	0.051	ng/ul#	83
5) 2-Methylnaphthalene	12.01	142	486	0.045	ng/ul	93
7) Acenaphthylene	13.91	152	647	0.048	ng/ul#	76
8) Acenaphthene	14.26	153	579	0.051	ng/ul	96
9) Fluorene	15.26	166	607	0.049	ng/ul#	93
11) Pentachlorophenol	16.62	266	48	0.035	ng/ul	92
12) Phenanthrene	16.99	178	934	0.049	ng/ul#	84
13) Anthracene	17.09	178	709	0.045	ng/ul#	78
15) Fluoranthene	19.01	202	1072	0.050	ng/ul	85
17) Pyrene	19.37	202	1078	0.051	ng/ul#	85
18) Benzo(a)anthracene	21.14	228	847	0.049	ng/ul#	91
19) Chrysene	21.18	228	1106	0.050	ng/ul#	92
21) Benzo(b)fluoranthene	22.66	252	981	0.048	ng/ul#	40
22) Benzo(k)fluoranthene	22.71	252	1132	0.052	ng/ul#	34
23) Benzo(a)pyrene	23.21	252	865	0.050	ng/ul#	24
24) Indeno(1,2,3-cd)pyrene	25.43	276	1104	0.046	ng/ul#	54
25) Dibenzo(a,h)anthracene	25.45	278	894	0.046	ng/ul#	35
26) Benzo(g,h,i)perylene	26.07	276	1056	0.048	ng/ul#	76

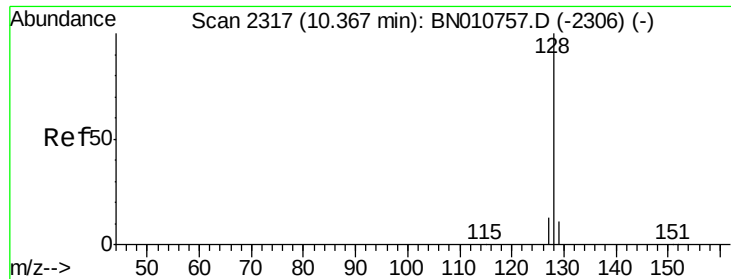
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.051 ng/ul

RT: 10.37 min Scan# 2318

Delta R.T. 0.01 min

Lab File: BN010762.D

Acq: 04 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

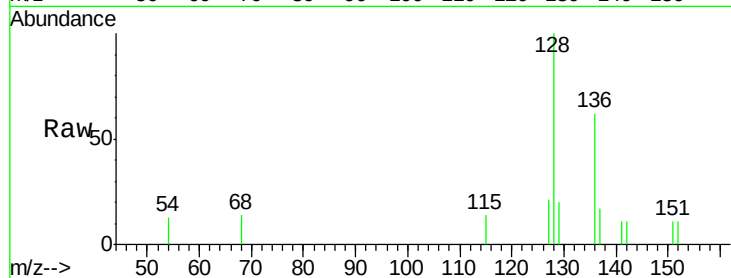
Tot Ion:128 Resp: 889

Ion Ratio Lower Upper

128 100

129 19.8 9.9 14.9#

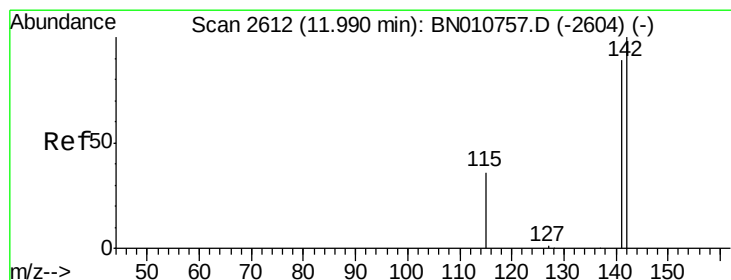
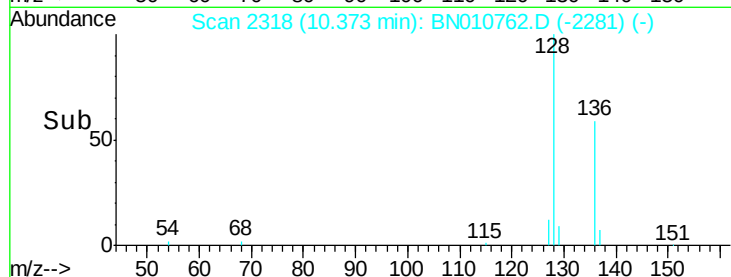
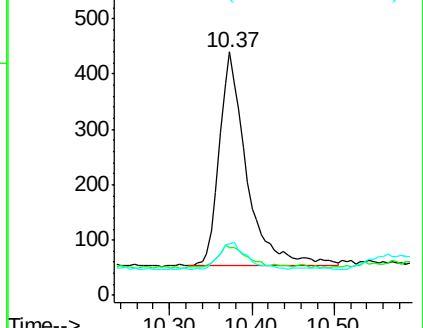
127 21.1 11.7 17.5#



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: 0.045 ng/ul

RT: 12.01 min Scan# 2615

Delta R.T. 0.02 min

Lab File: BN010762.D

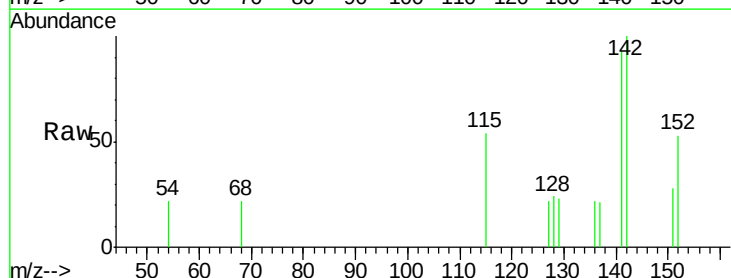
Acq: 04 Jun 2020 14:26

Tgt Ion:142 Resp: 486

Ion Ratio Lower Upper

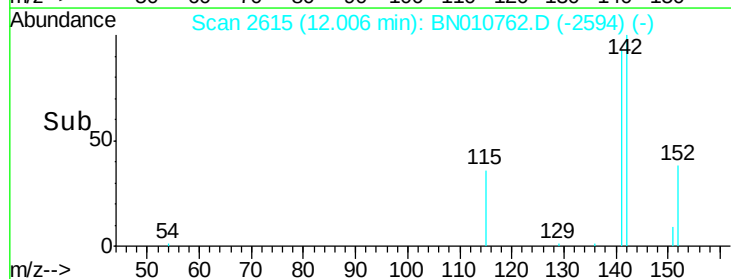
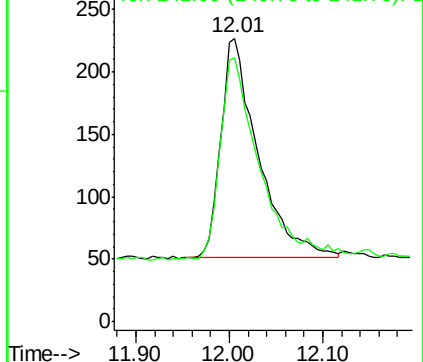
142 100

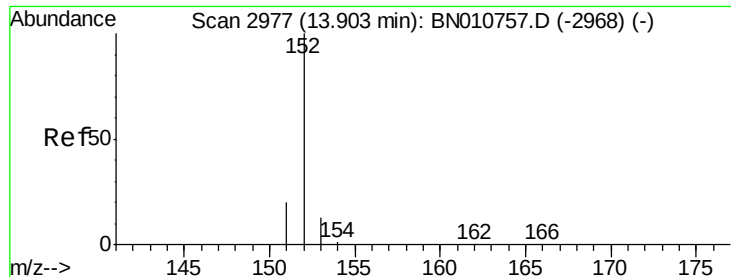
141 96.9 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.048 ng/ul

RT: 13.91 min Scan# 2979

Delta R.T. 0.01 min

Lab File: BN010762.D

Acq: 04 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

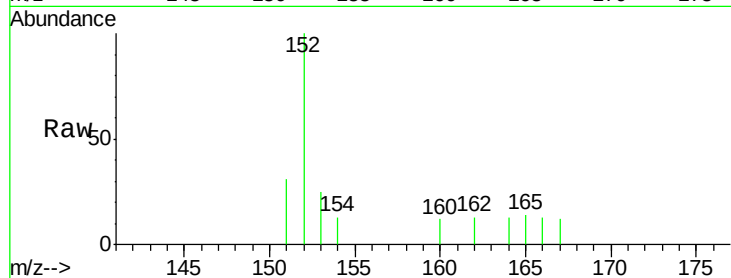
Tot Ion:152 Resp: 647

Ion Ratio Lower Upper

152 100

151 31.0 16.3 24.5#

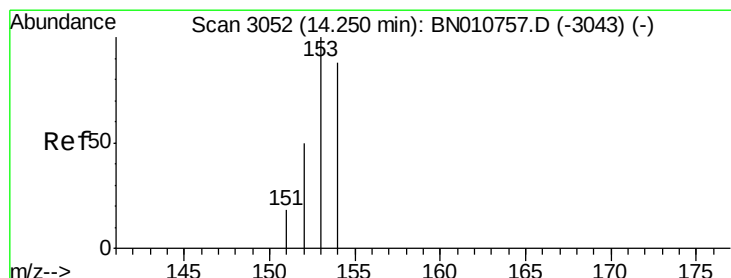
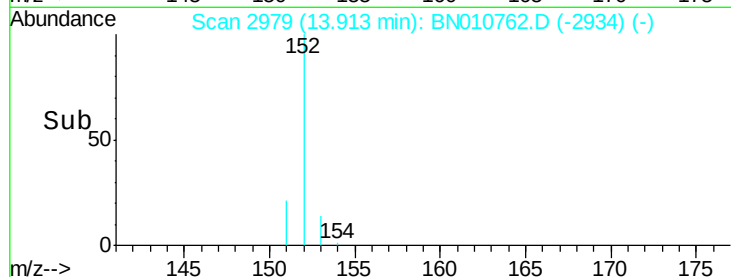
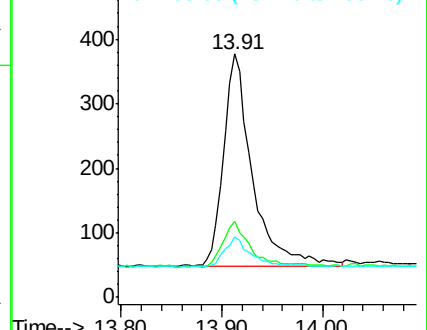
153 24.9 11.4 17.2#



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



#8

Acenaphthene

Concen: 0.051 ng/ul

RT: 14.26 min Scan# 3054

Delta R.T. 0.01 min

Lab File: BN010762.D

Acq: 04 Jun 2020 14:26

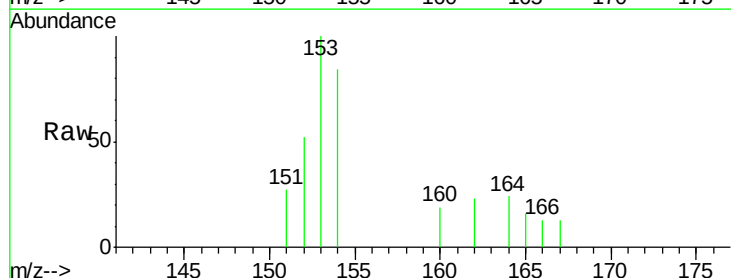
Tgt Ion:153 Resp: 579

Ion Ratio Lower Upper

153 100

152 52.2 40.1 60.1

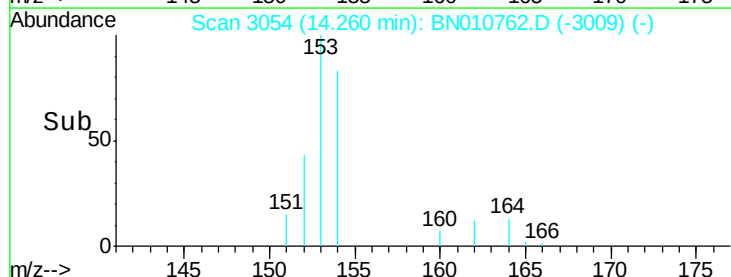
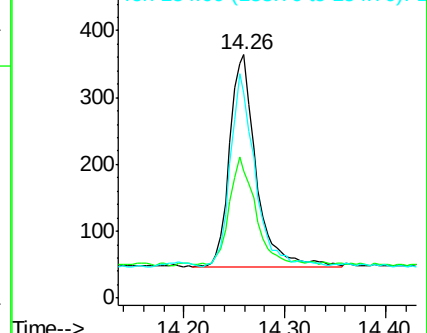
154 84.3 70.6 106.0

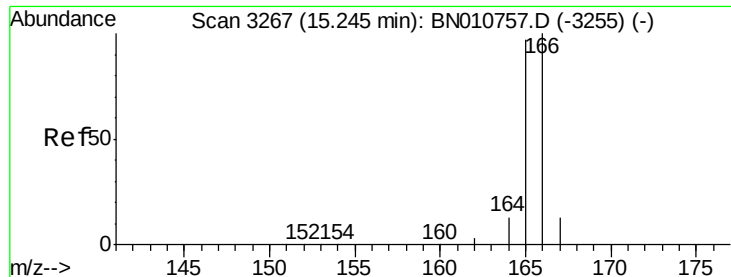


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.049 ng/ul

RT: 15.26 min Scan# 3271

Delta R.T. 0.02 min

Lab File: BN010762.D

Acq: 04 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

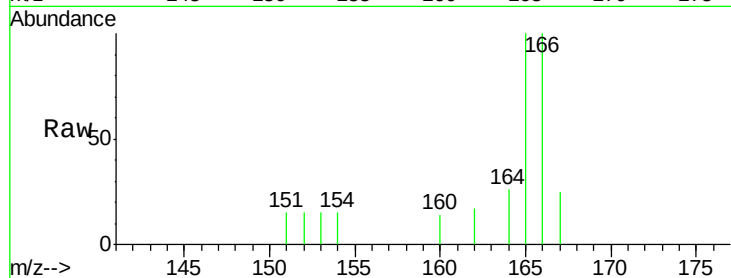
Tot Ion:166 Resp: 607

Ion Ratio Lower Upper

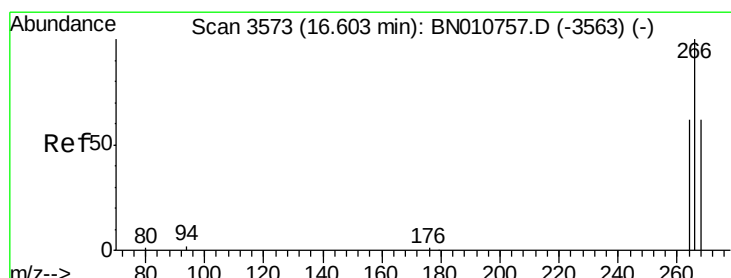
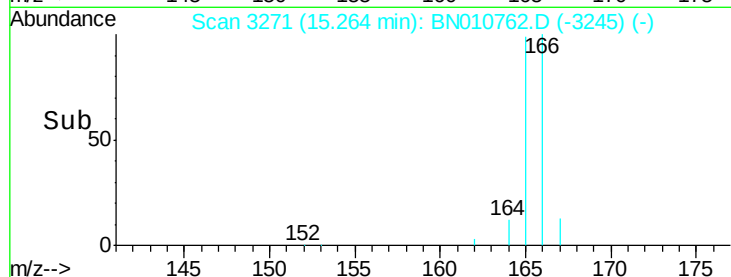
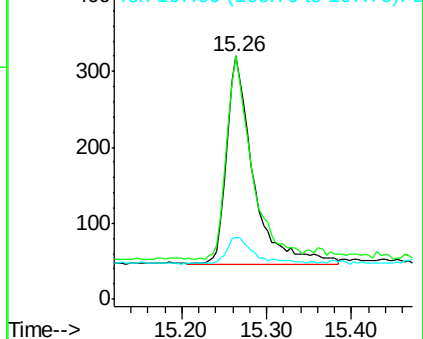
166 100

165 100.3 77.3 115.9

167 25.3 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: 0.035 ng/ul

RT: 16.62 min Scan# 3578

Delta R.T. 0.02 min

Lab File: BN010762.D

Acq: 04 Jun 2020 14:26

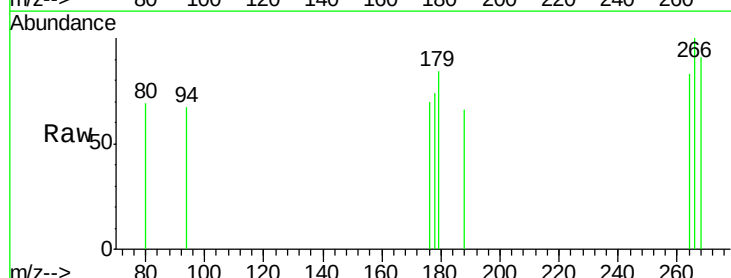
Tgt Ion:266 Resp: 48

Ion Ratio Lower Upper

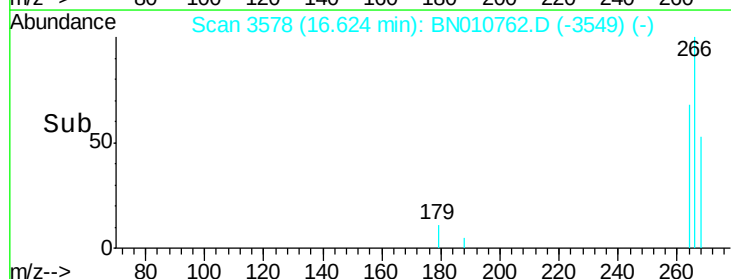
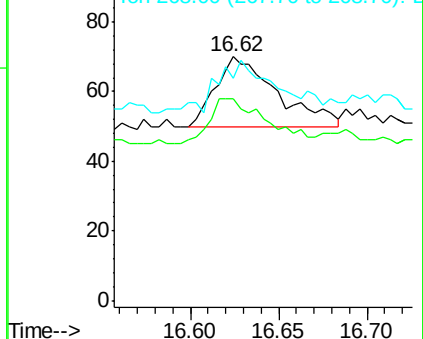
266 100

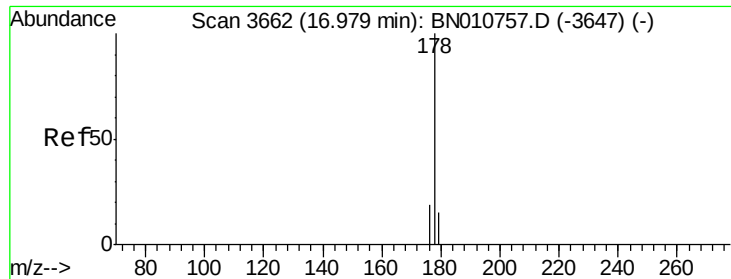
264 60.4 50.3 75.5

268 79.2 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: 0.049 ng/ul

RT: 16.99 min Scan# 3664

Delta R.T. 0.01 min

Lab File: BN010762.D

Acq: 04 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

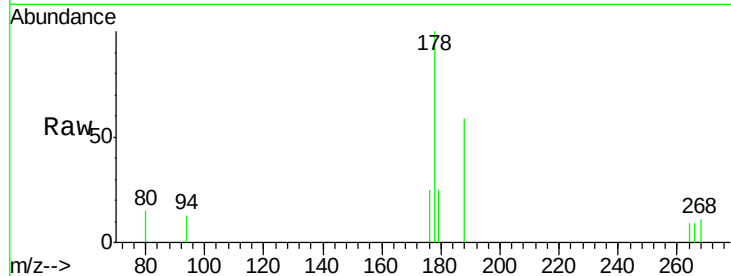
Tot Ion:178 Resp: 934

Ion Ratio Lower Upper

178 100

179 25.2 13.0 19.6#

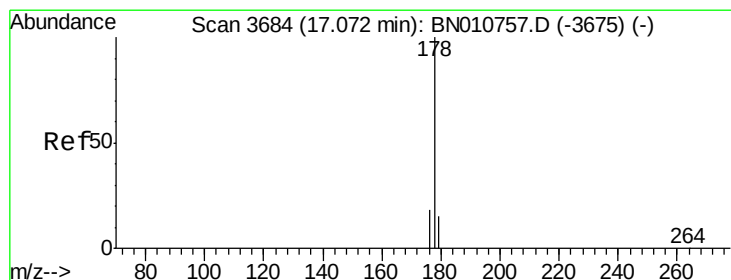
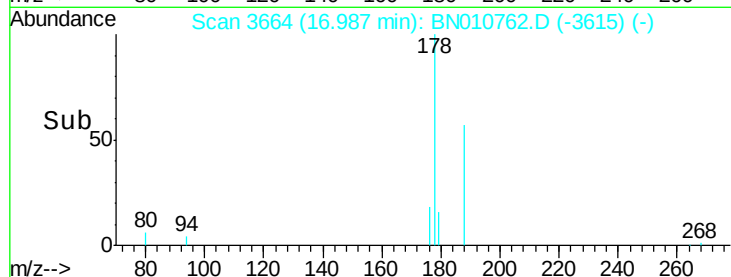
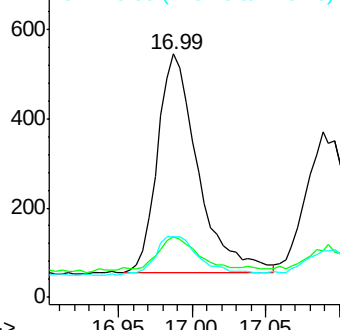
176 25.2 15.8 23.8#



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: 0.045 ng/ul

RT: 17.09 min Scan# 3688

Delta R.T. 0.02 min

Lab File: BN010762.D

Acq: 04 Jun 2020 14:26

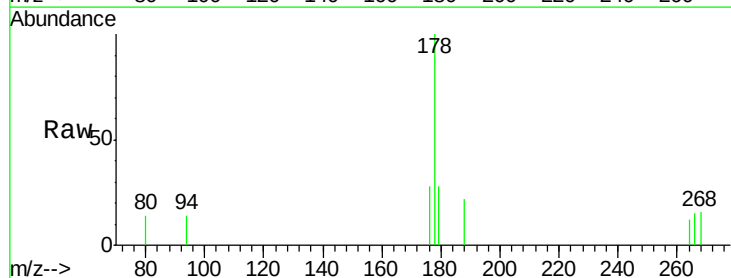
Tgt Ion:178 Resp: 709

Ion Ratio Lower Upper

178 100

179 27.8 13.6 20.4#

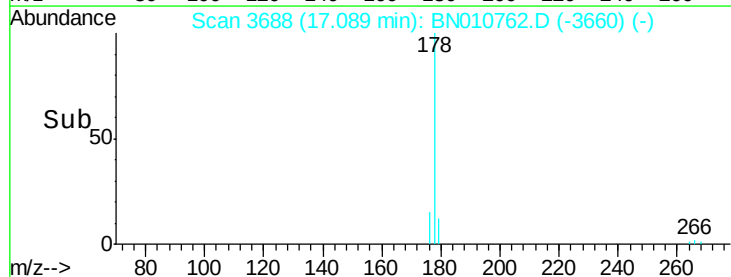
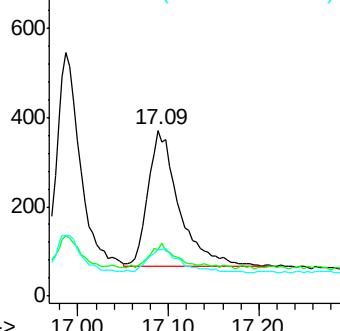
176 28.3 15.5 23.3#

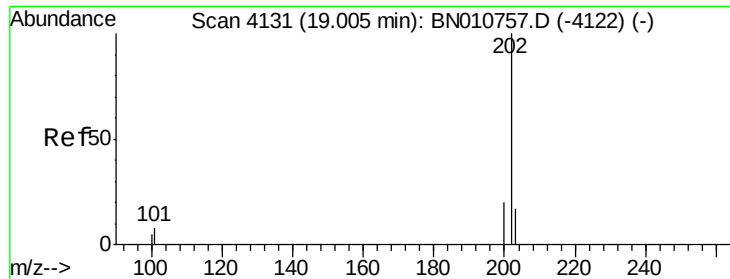


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

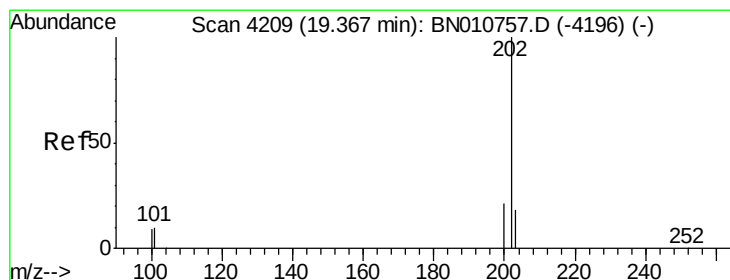
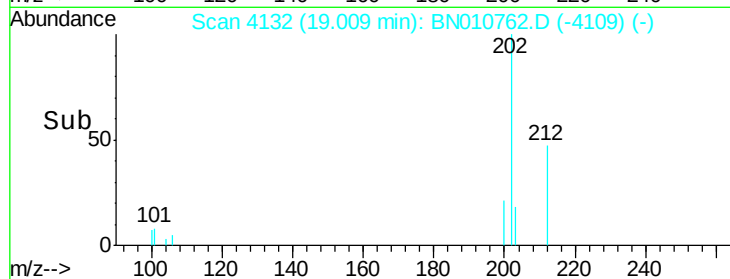
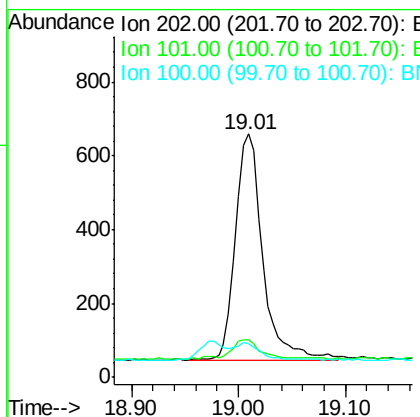
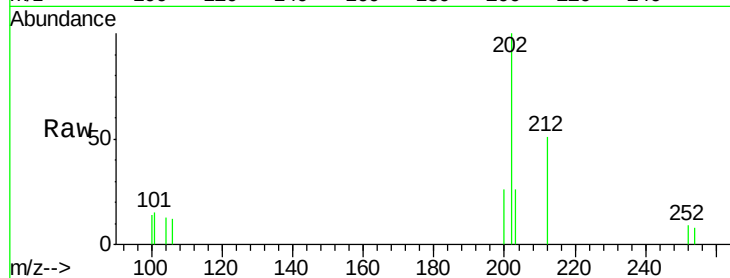




#15
Fluoranthene
Concen: 0.050 ng/ul
RT: 19.01 min Scan# 4132
Delta R.T. 0.00 min
Lab File: BN010762.D
Acq: 04 Jun 2020 14:26

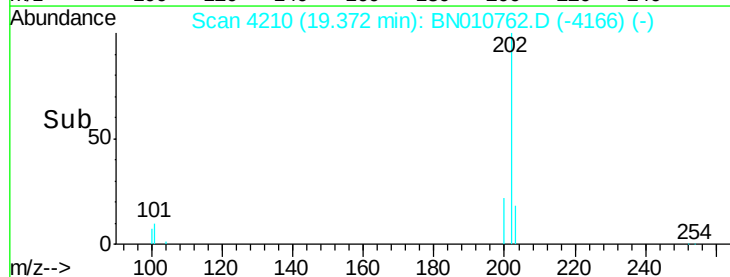
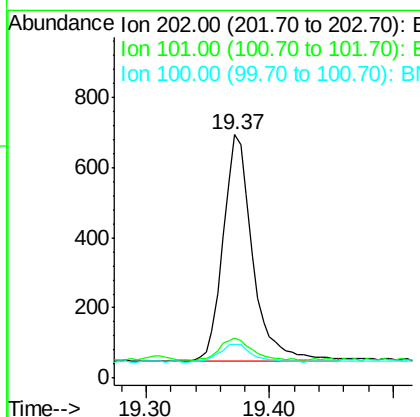
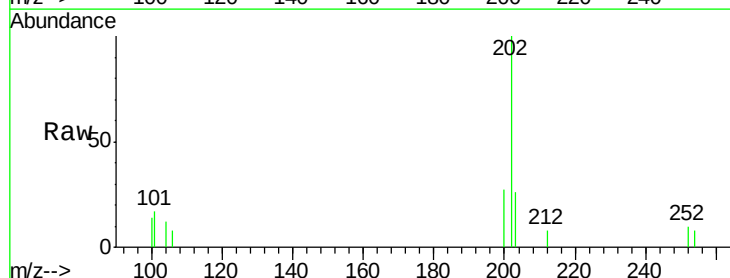
Instrument :
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MDL-SOIL-02

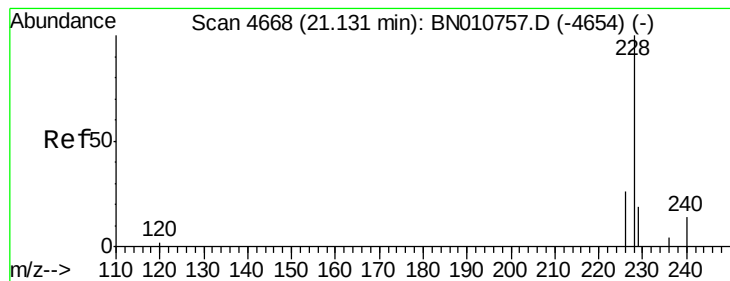
Tot Ion:202 Resp: 1072
Ion Ratio Lower Upper
202 100
101 15.2 0.0 29.8
100 13.7 0.0 28.0



#17
Pyrene
Concen: 0.051 ng/ul
RT: 19.37 min Scan# 4210
Delta R.T. 0.00 min
Lab File: BN010762.D
Acq: 04 Jun 2020 14:26

Tgt Ion:202 Resp: 1078
Ion Ratio Lower Upper
202 100
101 16.7 8.6 12.8#
100 14.0 7.1 10.7#





#18

Benzo(a)anthracene

Concen: 0.049 ng/ul

RT: 21.14 min Scan# 4670

Delta R.T. 0.01 min

Lab File: BN010762.D

Acq: 04 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

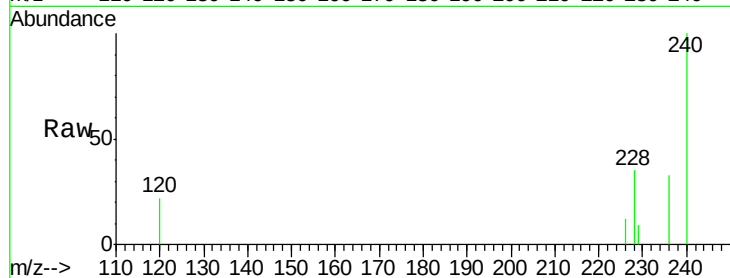
Tot Ion:228 Resp: 847

Ion Ratio Lower Upper

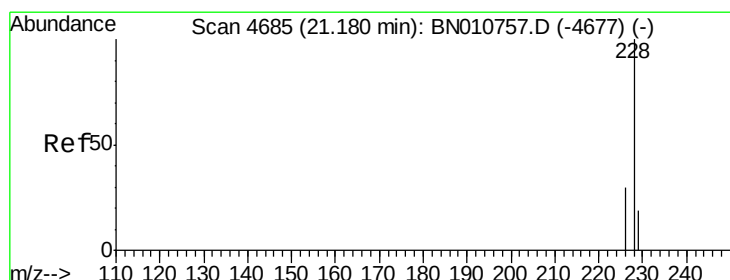
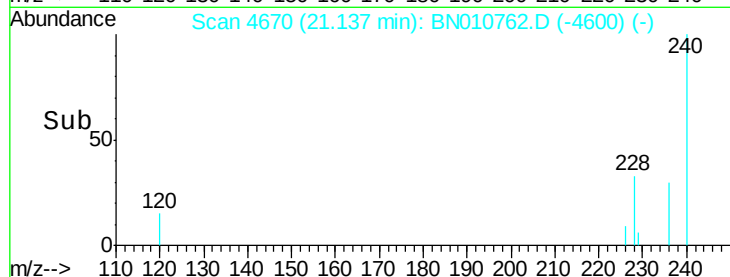
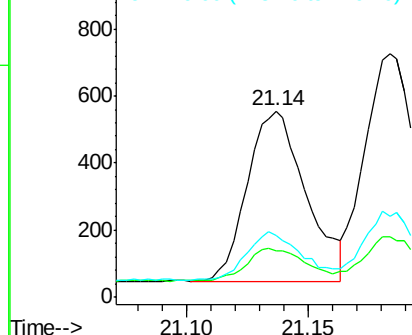
228 100

229 24.7 16.0 24.0#

226 33.0 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: 0.050 ng/ul

RT: 21.18 min Scan# 4686

Delta R.T. 0.00 min

Lab File: BN010762.D

Acq: 04 Jun 2020 14:26

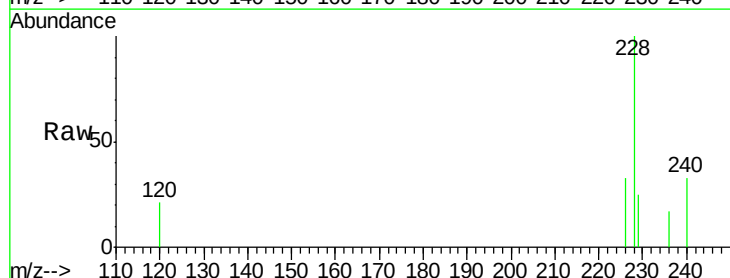
Tgt Ion:228 Resp: 1106

Ion Ratio Lower Upper

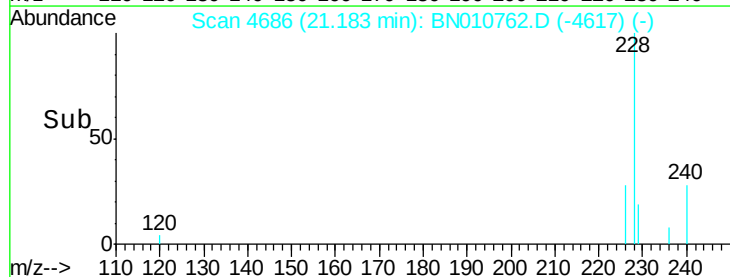
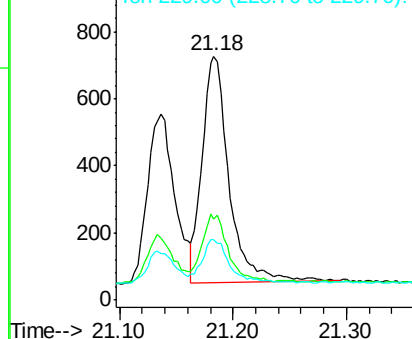
228 100

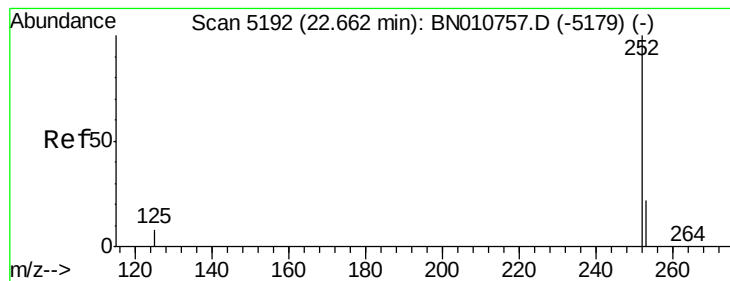
226 33.1 23.7 35.5

229 25.1 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: 0.048 ng/ul

RT: 22.66 min Scan# 5193

Delta R.T. 0.00 min

Lab File: BN010762.D

Acq: 04 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

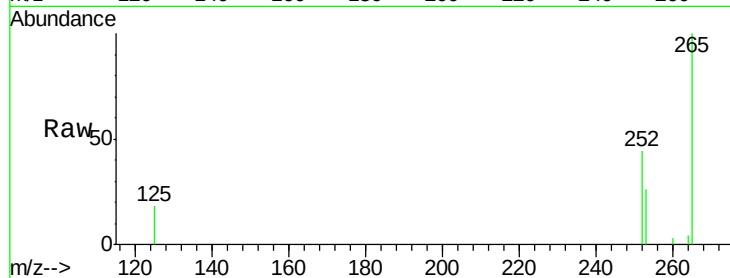
Tot Ion:252 Resp: 981

Ion Ratio Lower Upper

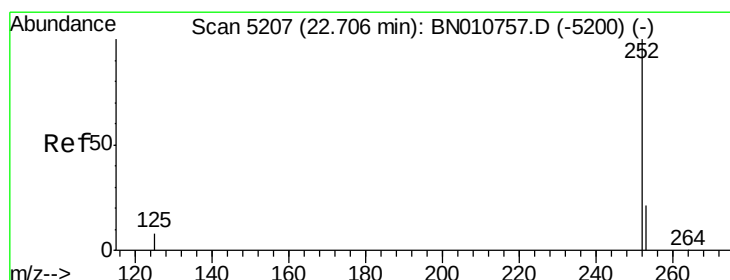
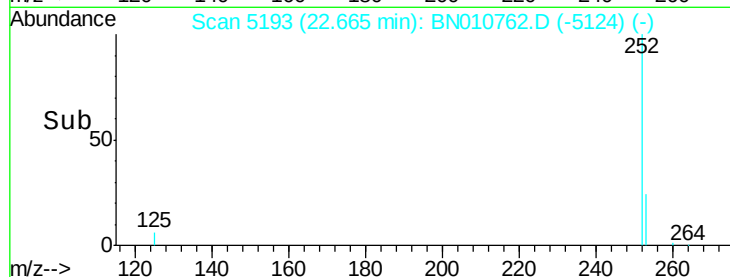
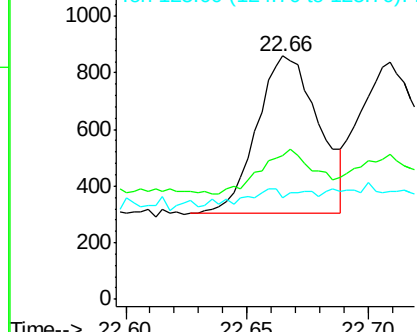
252 100

253 59.2 0.0 57.6#

125 41.9 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: 0.052 ng/ul

RT: 22.71 min Scan# 5208

Delta R.T. 0.00 min

Lab File: BN010762.D

Acq: 04 Jun 2020 14:26

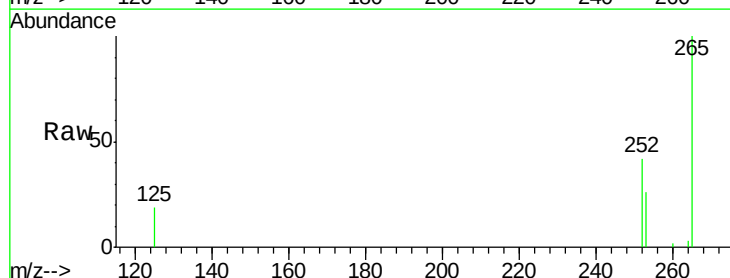
Tgt Ion:252 Resp: 1132

Ion Ratio Lower Upper

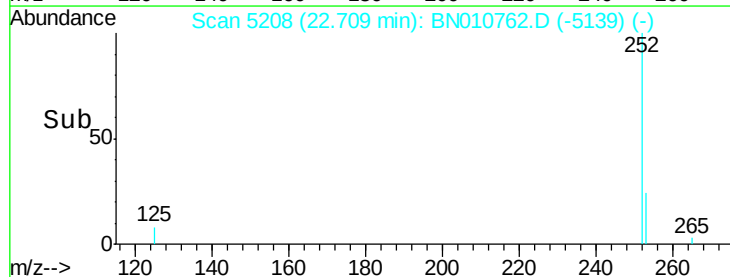
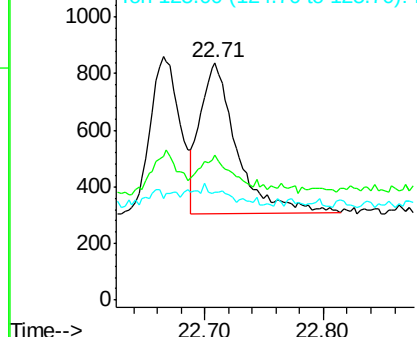
252 100

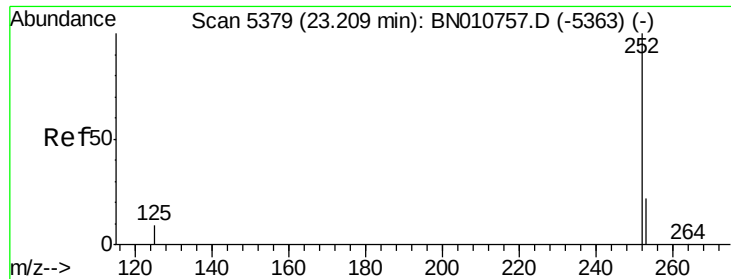
253 61.1 22.7 34.1#

125 45.5 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: 0.050 ng/ul

RT: 23.21 min Scan# 5379

Delta R.T. -0.00 min

Lab File: BN010762.D

Acq: 04 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

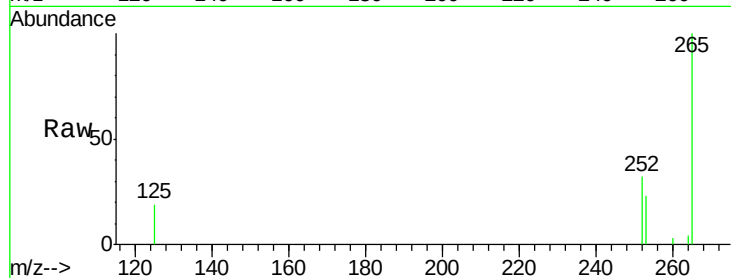
Tot Ion:252 Resp: 865

Ion Ratio Lower Upper

252 100

253 72.9 26.3 39.5#

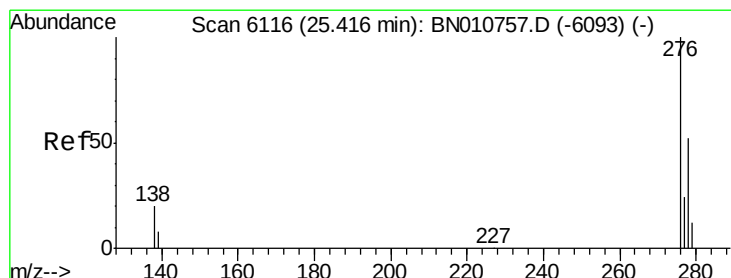
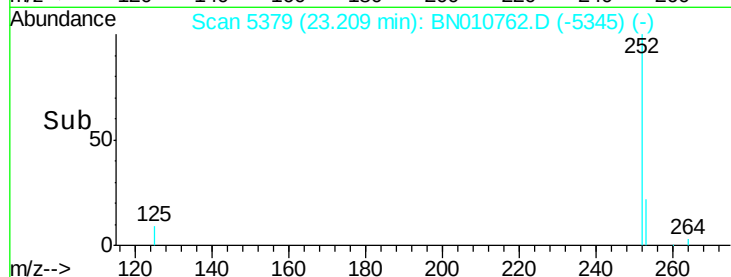
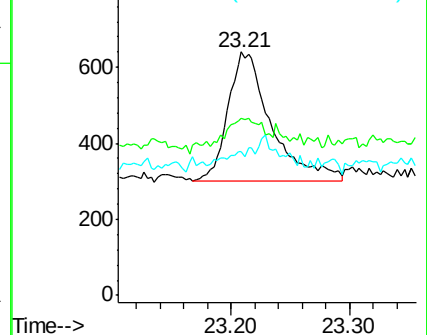
125 59.3 16.1 24.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.046 ng/ul

RT: 25.43 min Scan# 6120

Delta R.T. 0.01 min

Lab File: BN010762.D

Acq: 04 Jun 2020 14:26

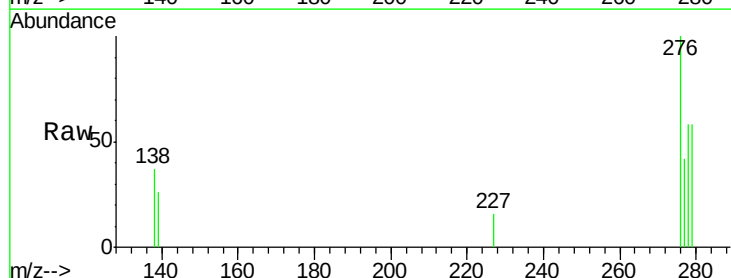
Tgt Ion:276 Resp: 1104

Ion Ratio Lower Upper

276 100

138 0.0 17.6 26.4#

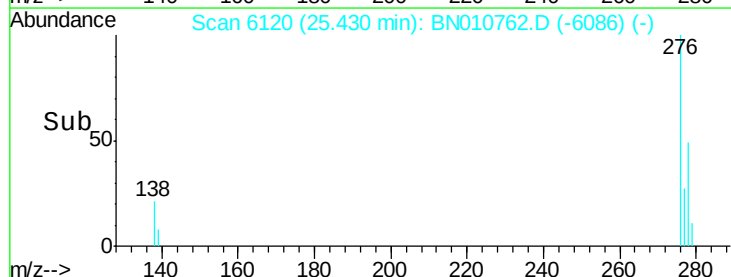
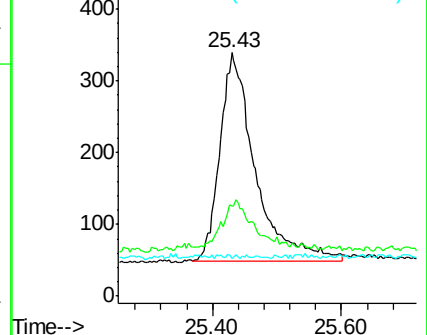
227 0.2 0.1 0.1#

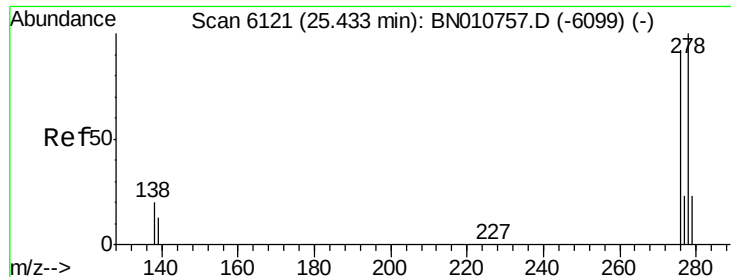


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

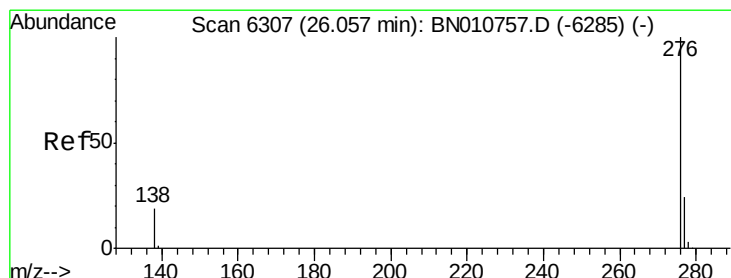
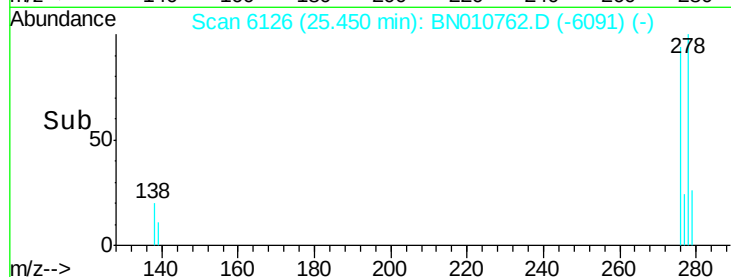
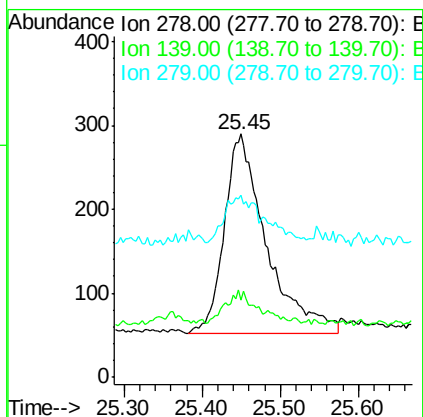
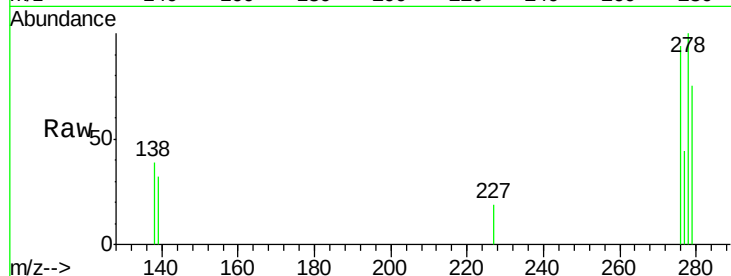




#25
Dibenzo(a,h)anthracene
Concen: 0.046 ng/ul
RT: 25.45 min Scan# 6126
Delta R.T. 0.02 min
Lab File: BN010762.D
Acq: 04 Jun 2020 14:26

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-02

Tot Ion:278 Resp: 894
Ion Ratio Lower Upper
278 100
139 31.7 13.7 20.5#
279 74.8 23.9 35.9#



#26
Benzo(g,h,i)perylene
Concen: 0.048 ng/ul
RT: 26.07 min Scan# 6312
Delta R.T. 0.02 min
Lab File: BN010762.D
Acq: 04 Jun 2020 14:26

Tgt Ion:276 Resp: 1056
Ion Ratio Lower Upper
276 100
138 34.8 17.5 26.3#
277 36.3 20.7 31.1#

