

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA N\DATA\BN030118\
 Data File : BN000221.D
 Acq On : 01 Mar 2018 17:20
 Operator : JU/SJ
 Sample : J1161-03
 Misc : MDL 0.1 PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Quant Time: Mar 01 18:03:18 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-SIM-BN022718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 15:07:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	6618	0.40	ng	0.00
7) Naphthalene-d8	11.29	136	24257	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	12107	0.40	ng	0.00
19) Phenanthrene-d10	17.78	188	27944	0.40	ng	0.00
27) Chrysene-d12	21.89	240	20111	0.40	ng	0.00
34) Perylene-d12	24.37	264	15378	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.93	112	4739	0.34	ng	0.00
5) Phenol-d6	7.57	99	5738	0.32	ng	0.00
8) Nitrobenzene-d5	9.63	82	4491	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.85	152	13194	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1151	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.69	172	19528	0.34	ng	0.00
25) Fluoranthene-d10	19.77	212	23660	0.32	ng	0.00
29) Terphenyl-d14	20.33	244	13320	0.38	ng	0.00

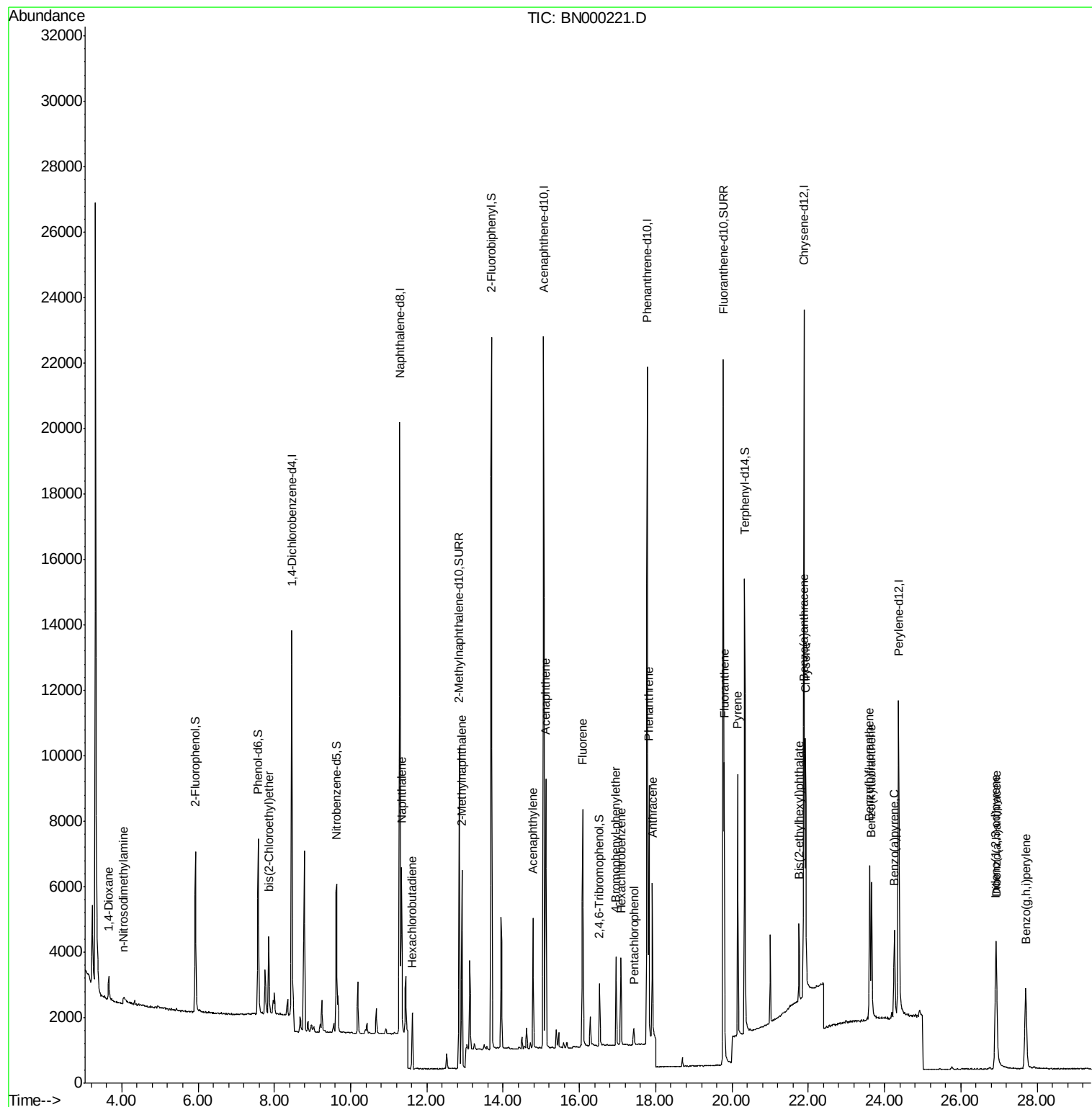
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.66	88	668	0.097	ng	95
3) n-Nitrosodimethylamine	4.05	42	210	0.135	ng	# 84
6) bis(2-Chloroethyl)ether	7.85	93	2007	0.089	ng	99
9) Naphthalene	11.34	128	6554	0.092	ng	# 94
10) Hexachlorobutadiene	11.62	225	1108	0.092	ng	99
12) 2-Methylnaphthalene	12.92	142	4203	0.090	ng	99
16) Acenaphthylene	14.79	152	4469	0.078	ng	100
17) Acenaphthene	15.12	154	3945	0.088	ng	95
18) Fluorene	16.09	166	4814	0.086	ng	# 80
20) 4-Bromophenyl-phenylether	16.96	248	1320	0.082	ng	# 64
21) Hexachlorobenzene	17.09	284	1871	0.087	ng	95
22) Pentachlorophenol	17.43	266	300	0.140	ng	92
23) Phenanthrene	17.82	178	8381	0.085	ng	97
24) Anthracene	17.91	178	5516	0.074	ng	96
26) Fluoranthene	19.80	202	8132	0.080	ng	# 95
28) Pyrene	20.15	202	8011	0.101	ng	99
30) Benzo(a)anthracene	21.87	228	5308	0.084	ng	98
31) Chrysene	21.93	228	6795	0.092	ng	98
32) Bis(2-ethylhexyl)phthalate	21.76	149	2237	0.095	ng	99
33) Indeno(1,2,3-cd)pyrene	26.92	276	5093	0.074	ng	# 88
35) Benzo(b)fluoranthene	23.61	252	6348	0.090	ng	# 91
36) Benzo(k)fluoranthene	23.66	252	5680	0.083	ng	# 71
37) Benzo(a)pyrene	24.26	252	4510	0.079	ng	# 65
38) Dibenzo(a,h)anthracene	26.93	278	3959	0.078	ng	# 79
39) Benzo(g,h,i)perylene	27.70	276	5236	0.087	ng	# 80

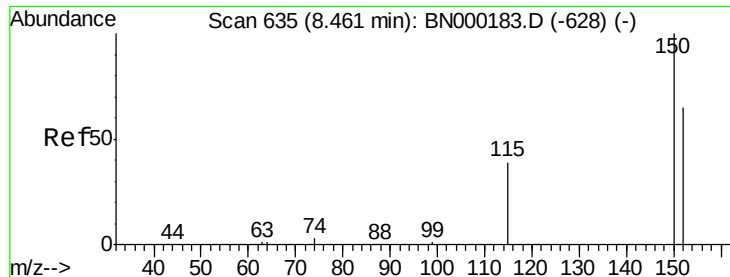
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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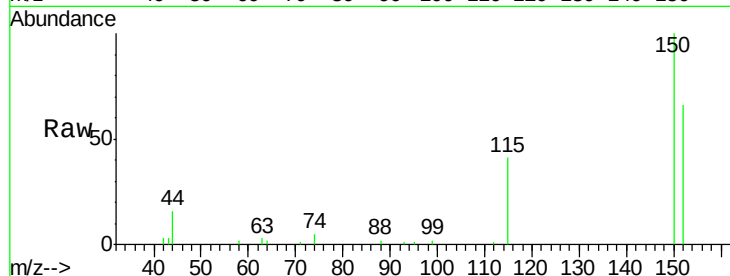


#1

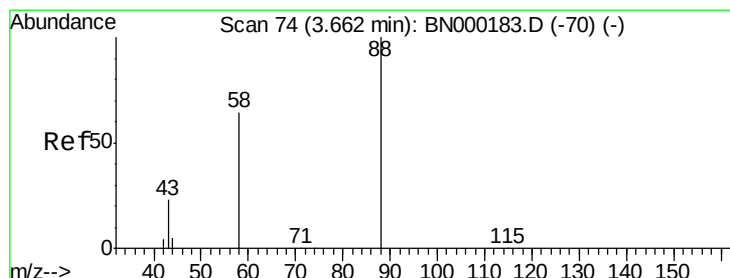
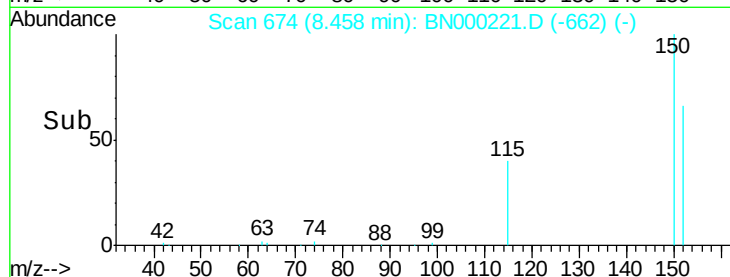
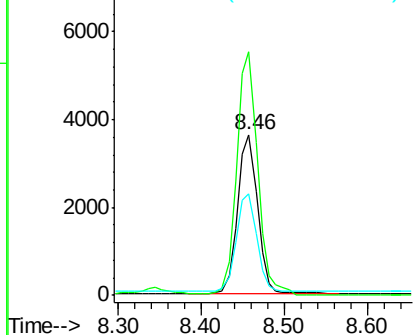
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 674
Delta R.T. -0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion:152 Resp: 6618
Ion Ratio Lower Upper
152 100
150 151.3 117.2 175.8
115 62.7 57.0 85.6



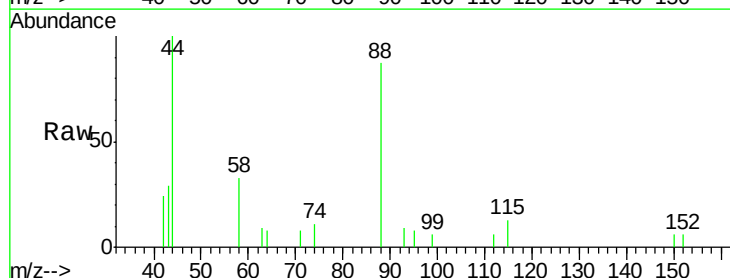
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



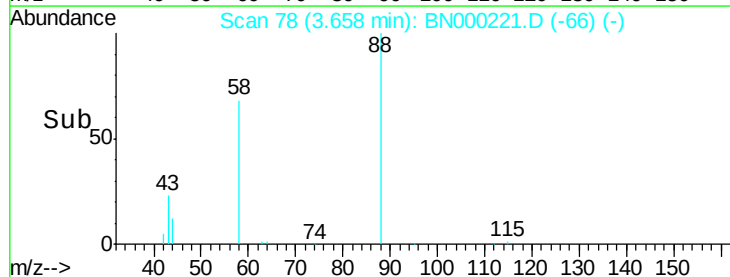
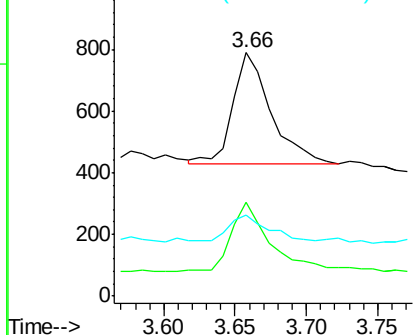
#2

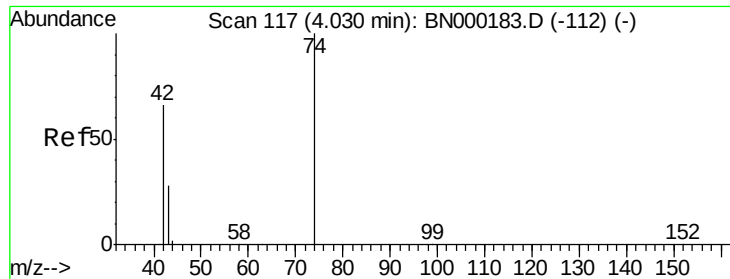
1,4-Dioxane
Concen: 0.097 ng
RT: 3.66 min Scan# 78
Delta R.T. -0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion: 88 Resp: 668
Ion Ratio Lower Upper
88 100
58 63.6 48.0 72.0
43 23.1 20.0 30.0



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC



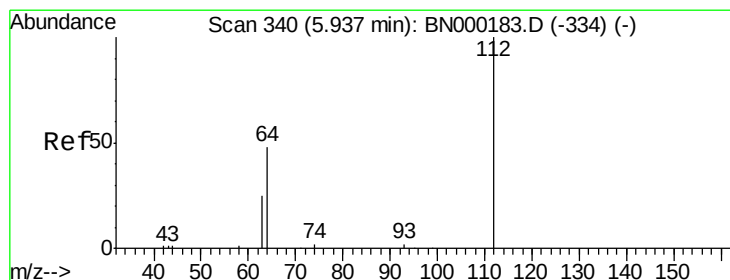
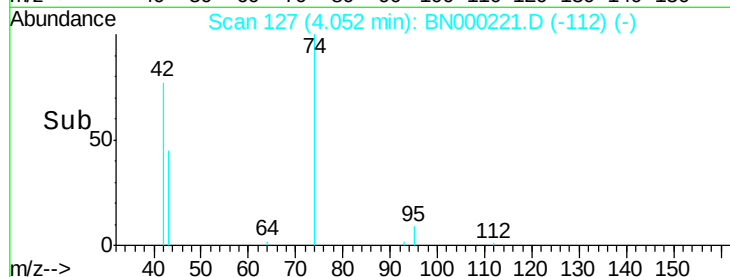
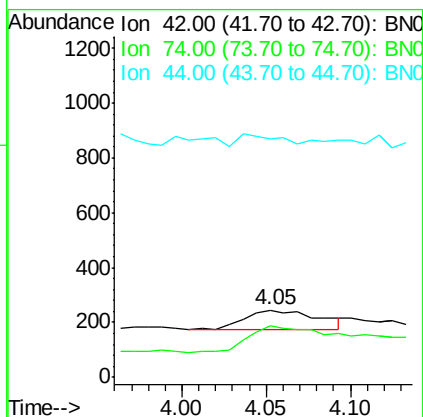
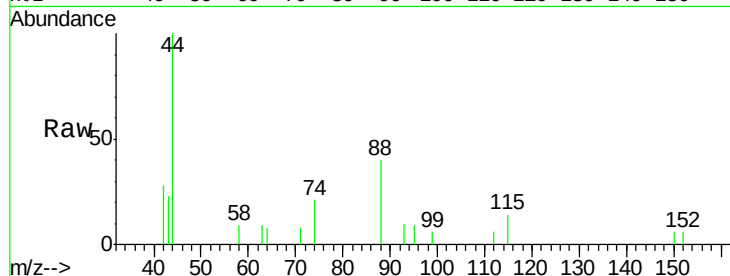


#3

n-Nitrosodimethylamine
 Concen: 0.135 ng
 RT: 4.05 min Scan# 127
 Delta R.T. 0.02 min
 Lab File: BN000221.D
 Acq: 01 Mar 2018 17:20

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

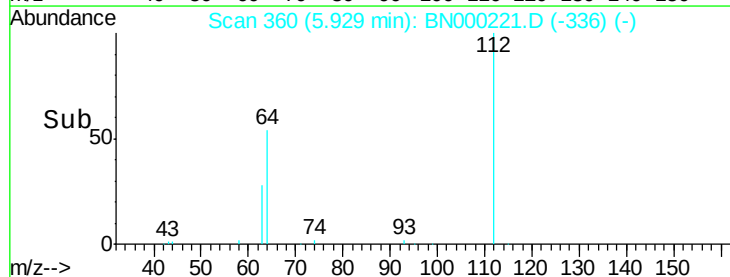
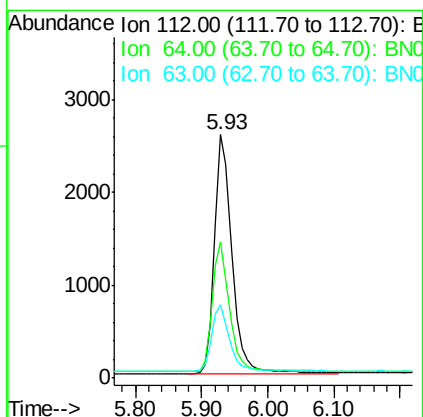
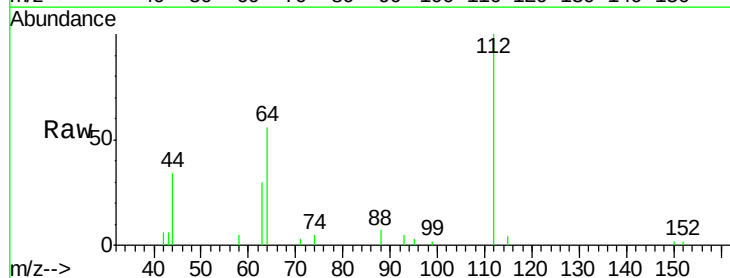
Tot Ion: 42 Resp: 210
 Ion Ratio Lower Upper
 42 100
 74 133.3 120.0 180.0
 44 35.7 4.0 6.0#

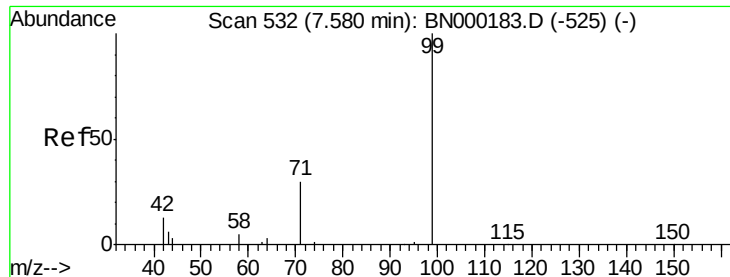


#4

2-Fluorophenol
 Concen: 0.339 ng
 RT: 5.93 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: BN000221.D
 Acq: 01 Mar 2018 17:20

Tgt Ion: 112 Resp: 4739
 Ion Ratio Lower Upper
 112 100
 64 53.3 60.1 90.1#
 63 28.6 116.8 175.2#





#5

Phenol-d6

Concen: 0.323 ng

RT: 7.57 min Scan# 564

Delta R.T. -0.01 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

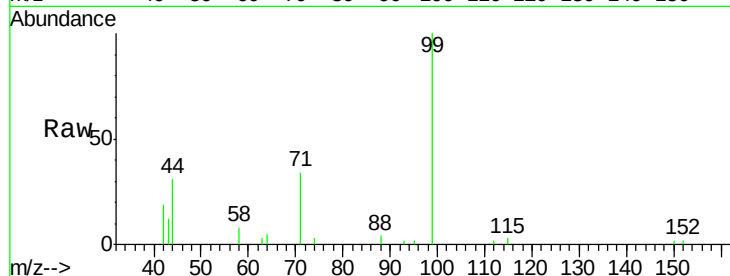
Tot Ion: 99 Resp: 5738

Ion Ratio Lower Upper

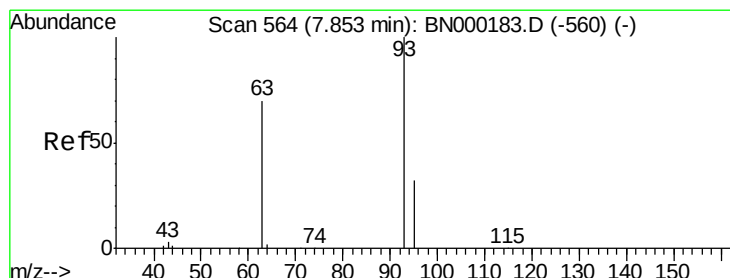
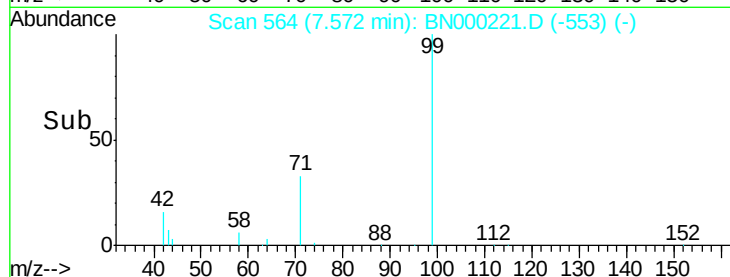
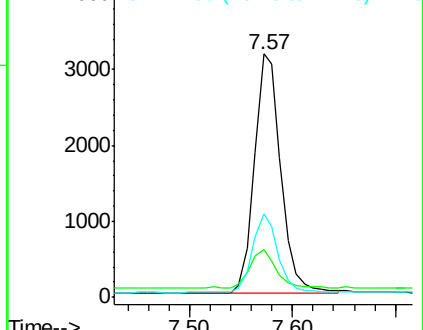
99 100

42 16.4 20.2 30.2#

71 31.2 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 71.00 (70.70 to 71.70): BN0



#6

bis(2-Chloroethyl)ether

Concen: 0.089 ng

RT: 7.85 min Scan# 599

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

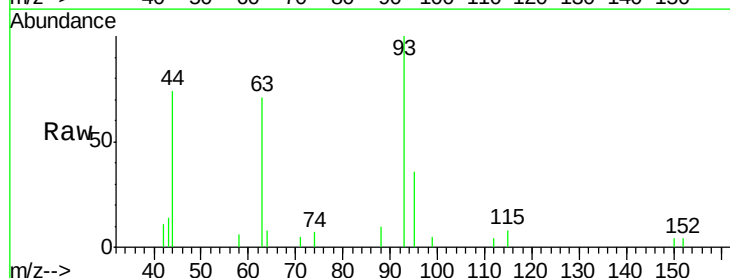
Tgt Ion: 93 Resp: 2007

Ion Ratio Lower Upper

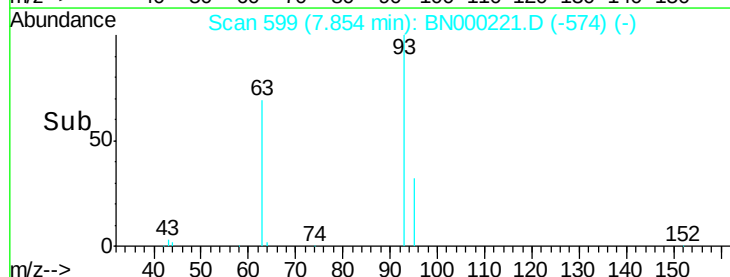
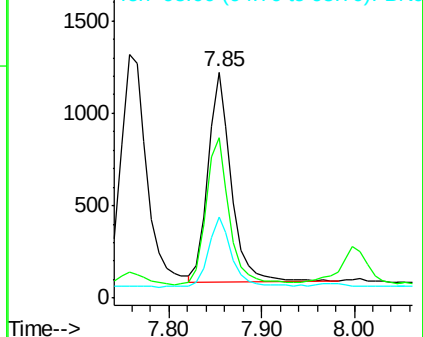
93 100

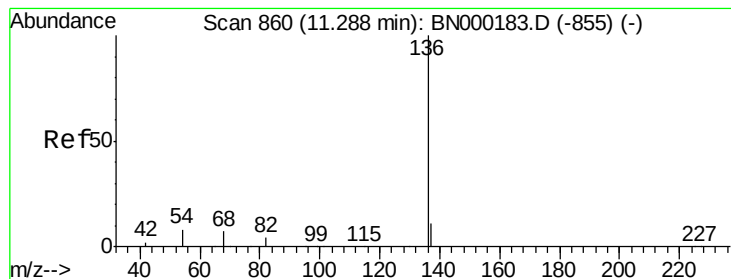
63 70.3 56.0 84.0

95 33.4 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 63.00 (62.70 to 63.70): BN0
Ion 95.00 (94.70 to 95.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.29 min Scan# 900

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:136 Resp: 24257

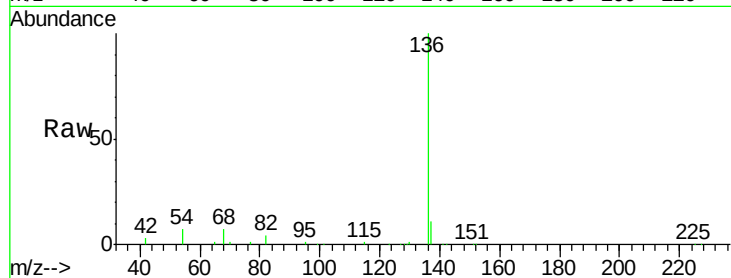
Ion Ratio Lower Upper

136 100

137 11.0 9.5 14.3

54 6.8 29.1 43.7#

68 6.6 6.2 9.2

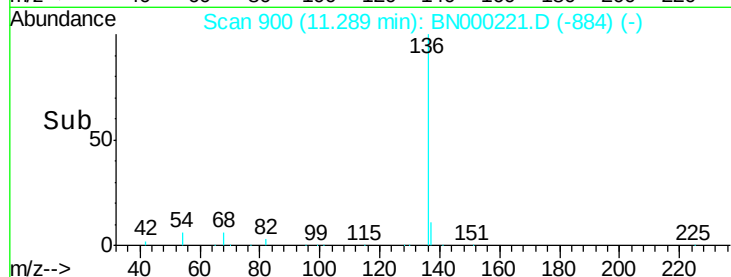


Abundance Ion 136.00 (135.70 to 136.70): E

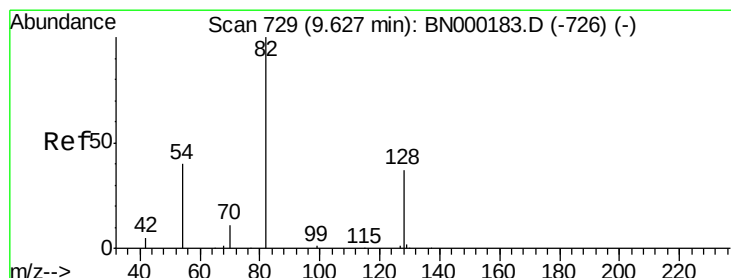
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



Time-->



#8

Nitrobenzene-d5

Concen: 0.312 ng

RT: 9.63 min Scan# 769

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

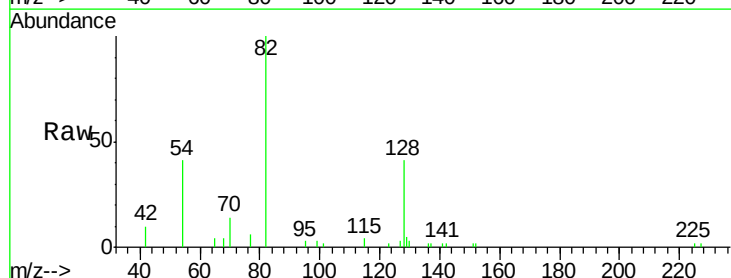
Tgt Ion: 82 Resp: 4491

Ion Ratio Lower Upper

82 100

128 41.0 150.0 225.0#

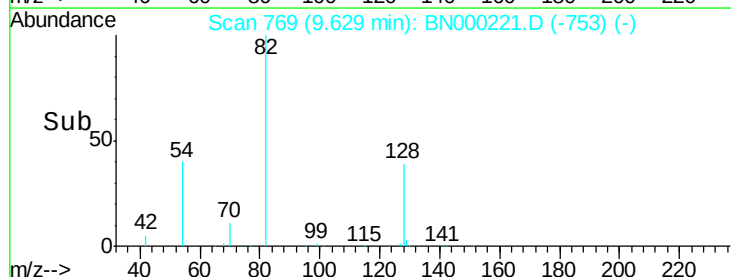
54 41.2 154.2 231.4#



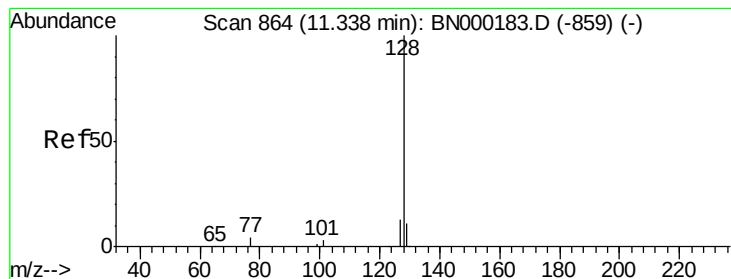
Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC



Time-->



#9

Naphthalene

Concen: 0.092 ng

RT: 11.34 min Scan# 904

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

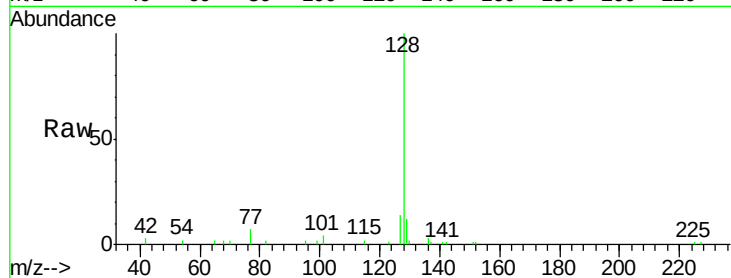
Tot Ion:128 Resp: 6554

Ion Ratio Lower Upper

128 100

129 12.3 8.0 12.0#

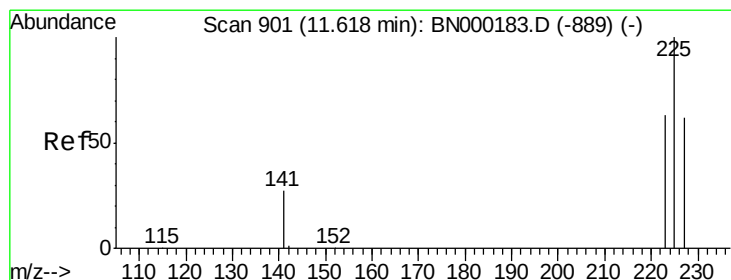
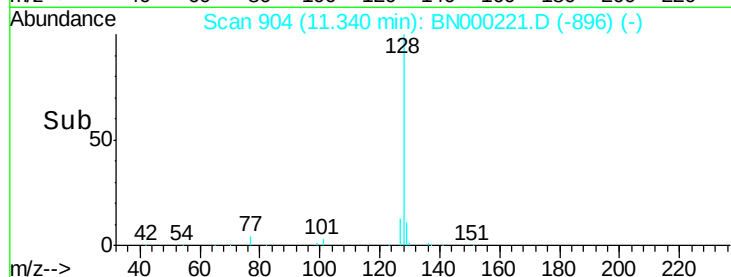
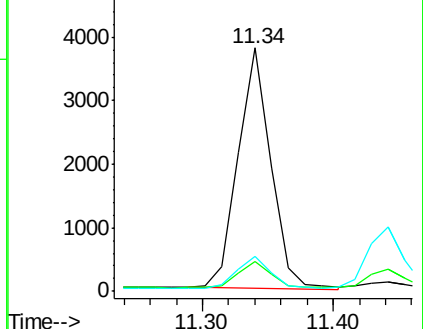
127 14.4 9.6 14.4



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



#10

Hexachlorobutadiene

Concen: 0.092 ng

RT: 11.62 min Scan# 943

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

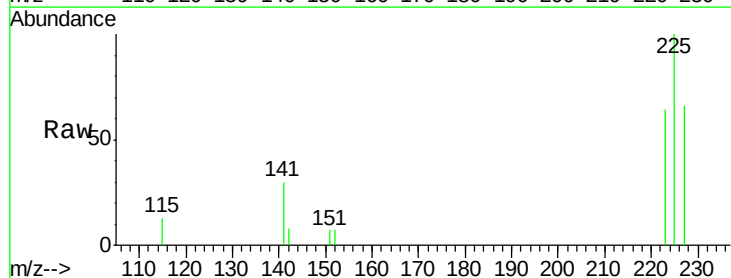
Tgt Ion:225 Resp: 1108

Ion Ratio Lower Upper

225 100

223 64.0 53.0 79.6

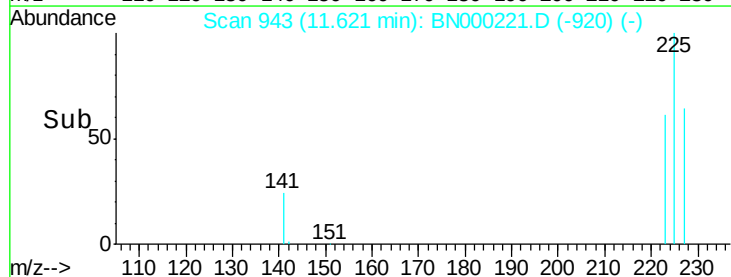
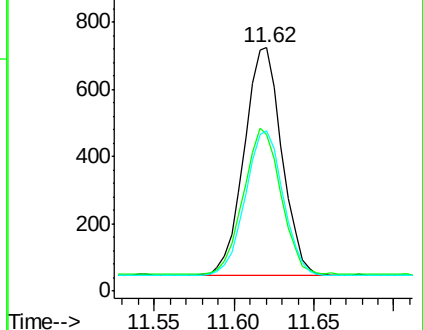
227 64.3 51.4 77.2

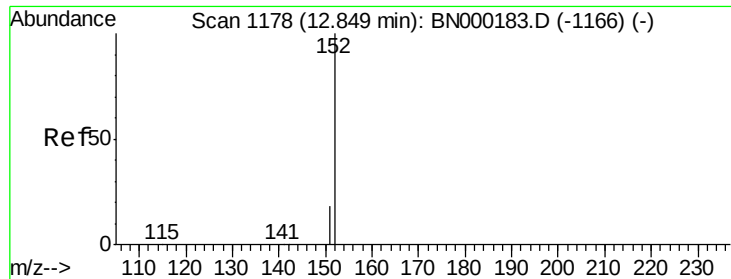


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

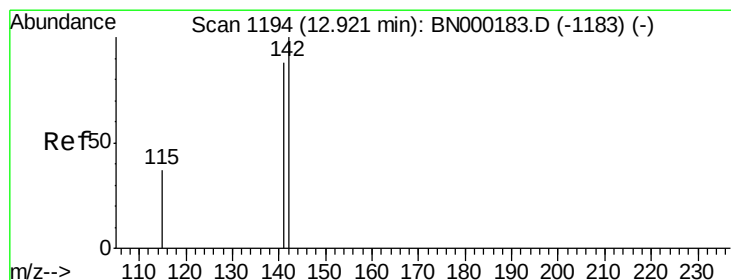
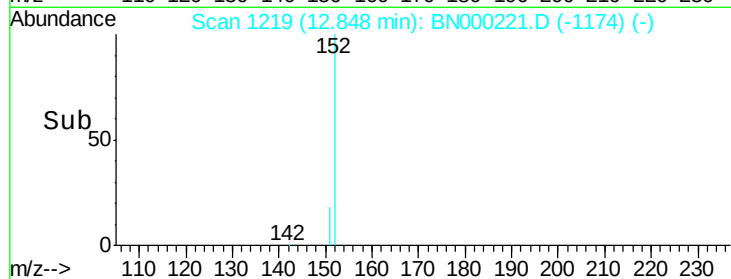
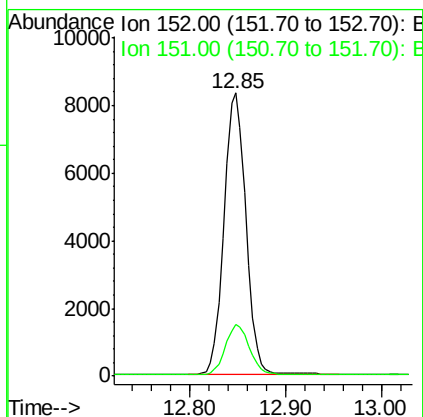
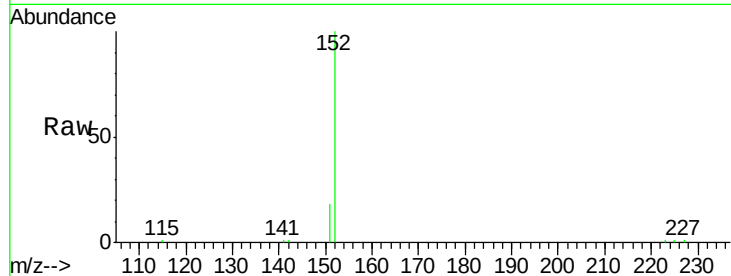




#11
 2-Methylnaphthalene-d10
 Concen: 0.361 ng
 RT: 12.85 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BN000221.D
 Acq: 01 Mar 2018 17:20

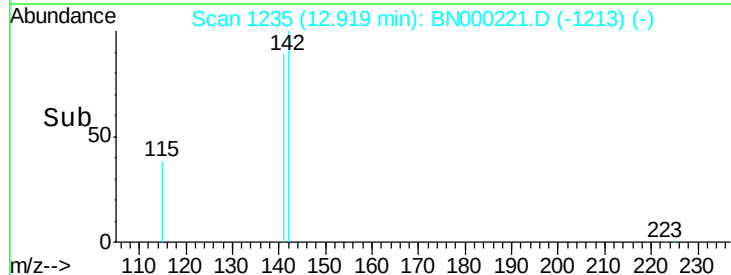
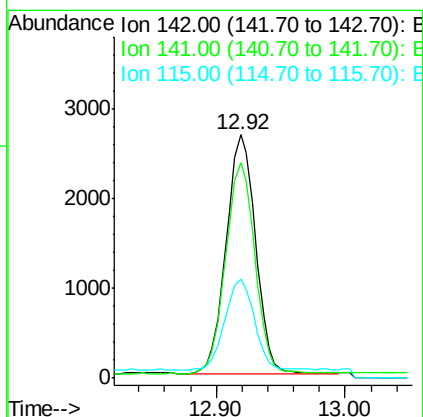
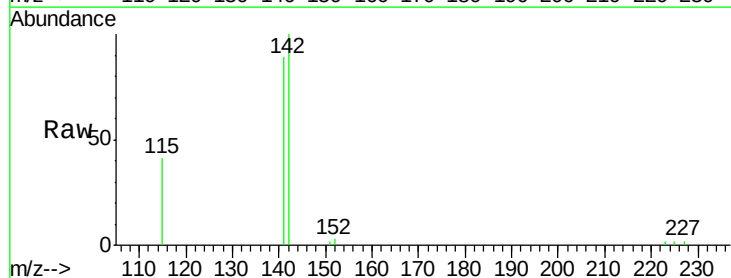
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

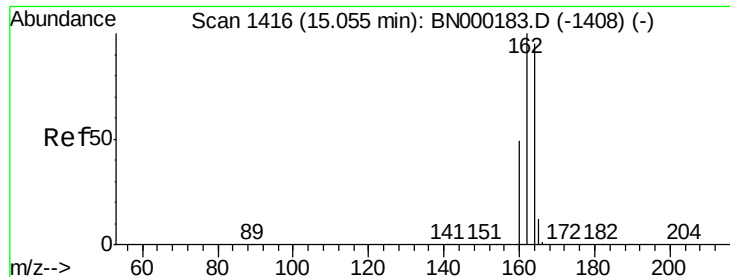
Tot Ion:152 Resp: 13194
 Ion Ratio Lower Upper
 152 100
 151 19.3 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.090 ng
 RT: 12.92 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: BN000221.D
 Acq: 01 Mar 2018 17:20

Tgt Ion:142 Resp: 4203
 Ion Ratio Lower Upper
 142 100
 141 88.7 70.4 105.6
 115 40.6 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1458

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

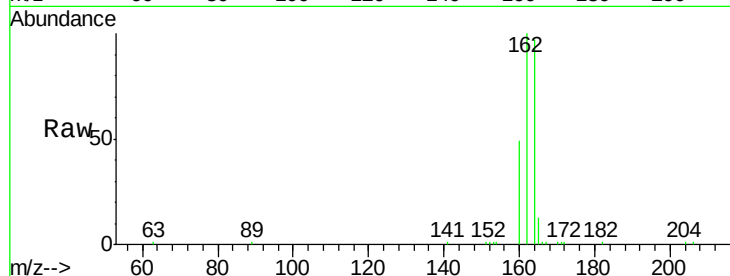
Tot Ion:164 Resp: 12107

Ion Ratio Lower Upper

164 100

162 103.2 83.1 124.7

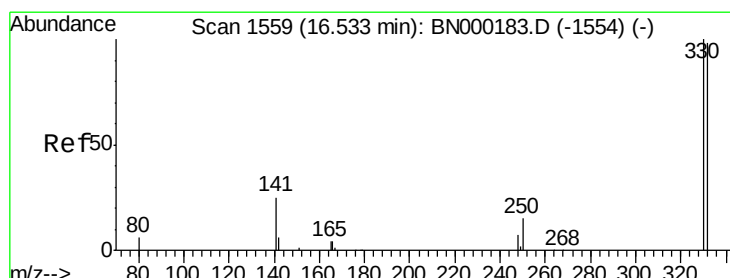
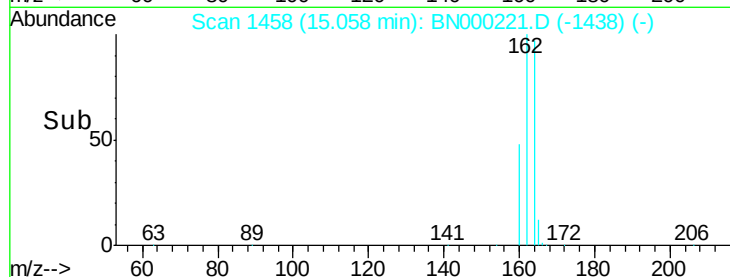
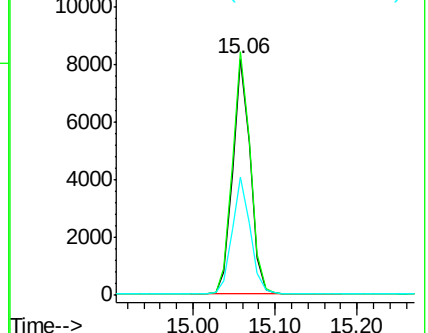
160 50.1 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.299 ng

RT: 16.53 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

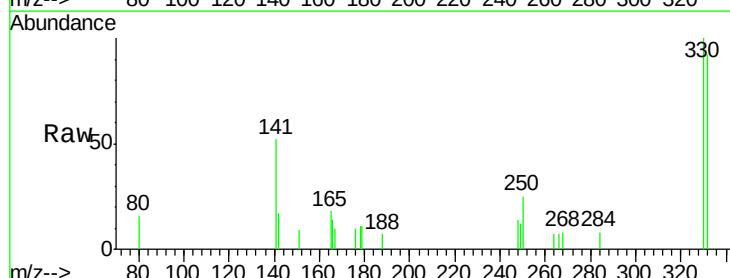
Tgt Ion:330 Resp: 1151

Ion Ratio Lower Upper

330 100

332 96.8 152.7 229.1#

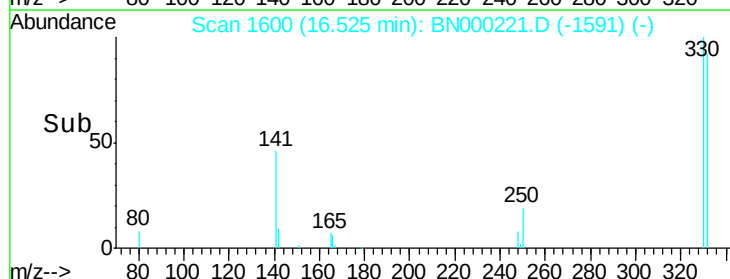
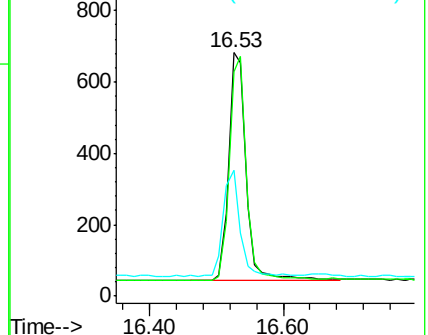
141 45.1 33.7 50.5

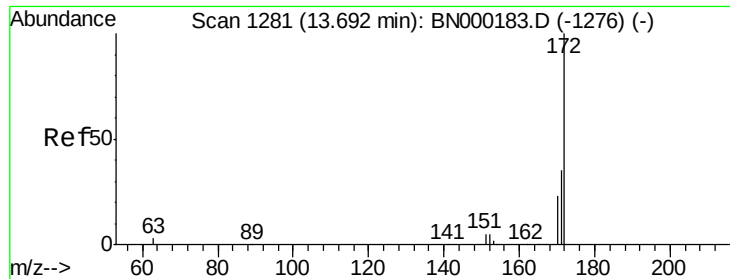


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

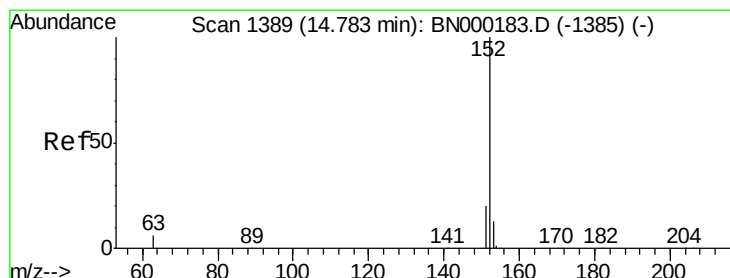
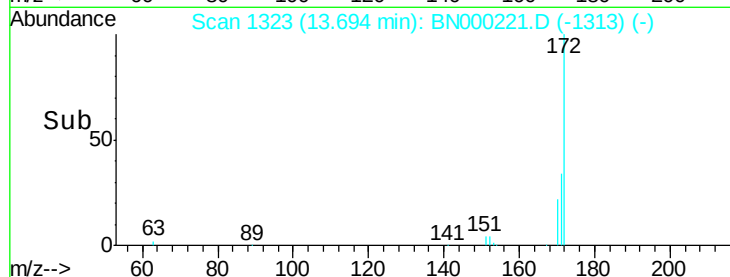
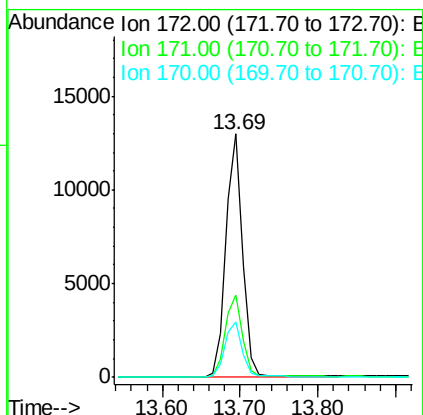
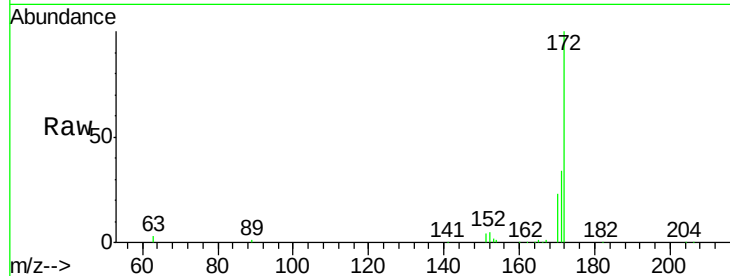




#15
2-Fluorobiphenyl
Concen: 0.340 ng
RT: 13.69 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

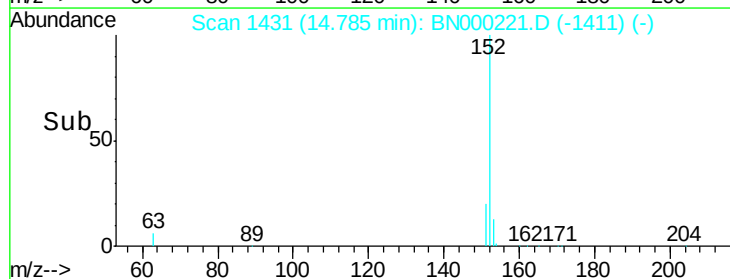
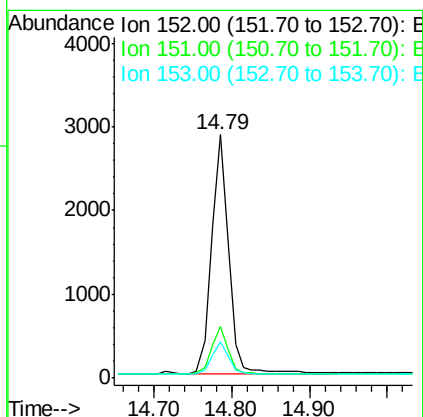
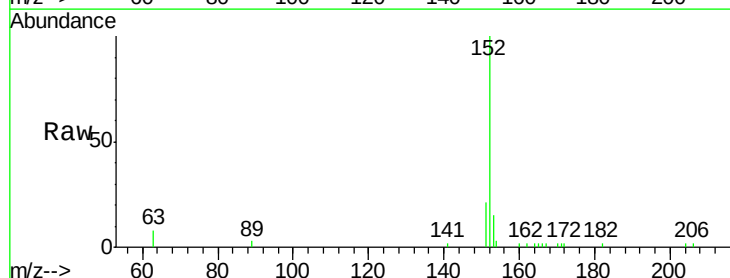
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

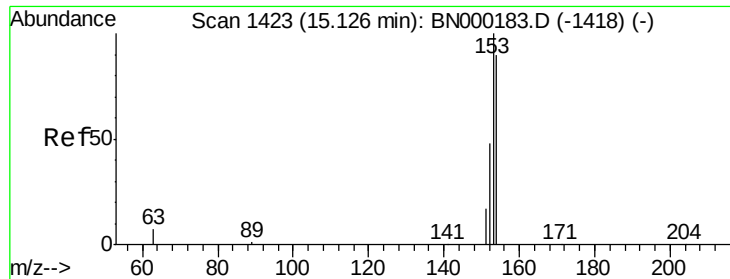
Tot Ion:172 Resp: 19528
Ion Ratio Lower Upper
172 100
171 34.0 29.9 44.9
170 22.6 21.8 32.8



#16
Acenaphthylene
Concen: 0.078 ng
RT: 14.79 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BN000221.D
Acq: 01 Mar 2018 17:20

Tgt Ion:152 Resp: 4469
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 12.9 10.5 15.7





#17

Acenaphthene

Concen: 0.088 ng

RT: 15.12 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

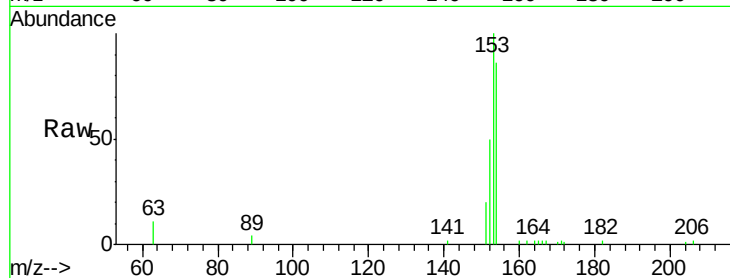
Tot Ion:154 Resp: 3945

Ion Ratio Lower Upper

154 100

153 115.4 89.2 133.8

152 57.9 42.0 63.0

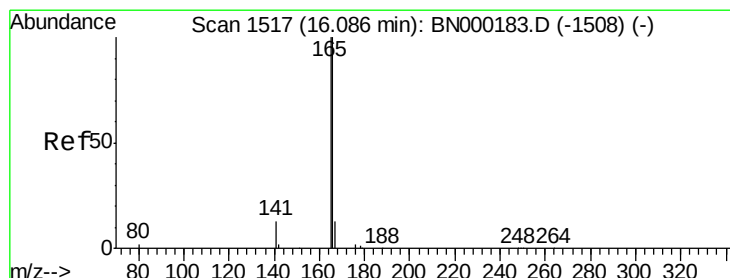
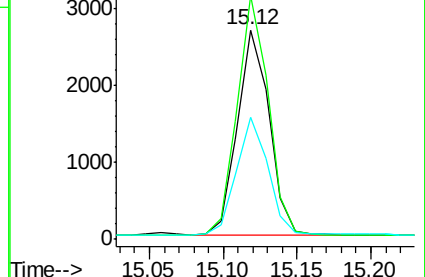
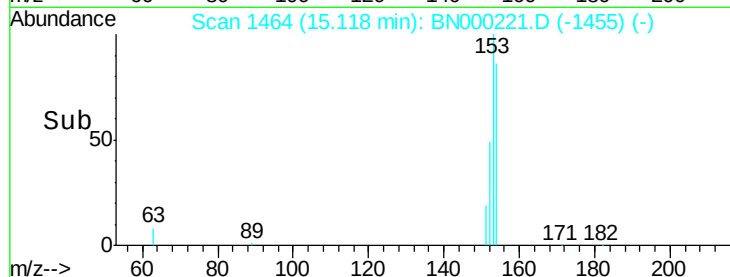


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



#18

Fluorene

Concen: 0.086 ng

RT: 16.09 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

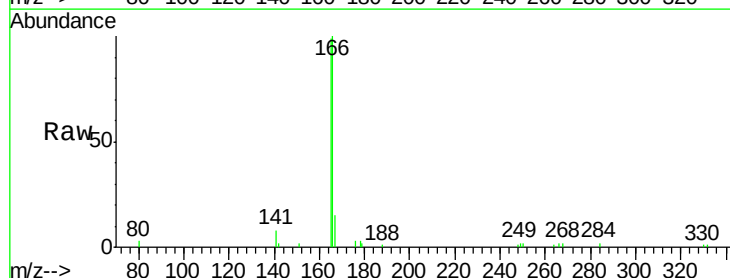
Tgt Ion:166 Resp: 4814

Ion Ratio Lower Upper

166 100

165 97.9 77.8 116.6

167 14.1 42.4 63.6#

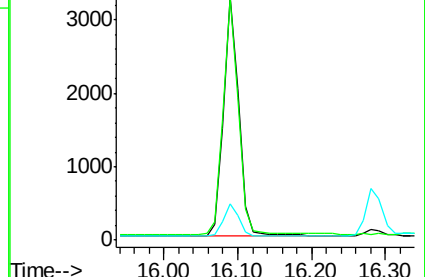
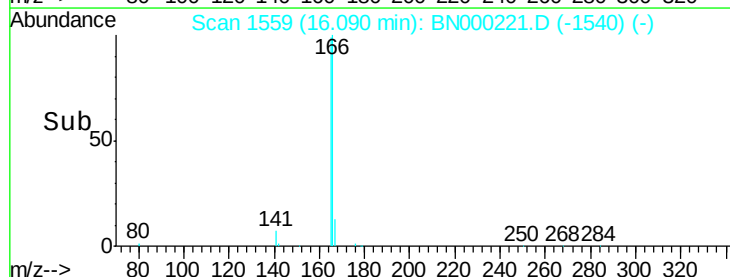


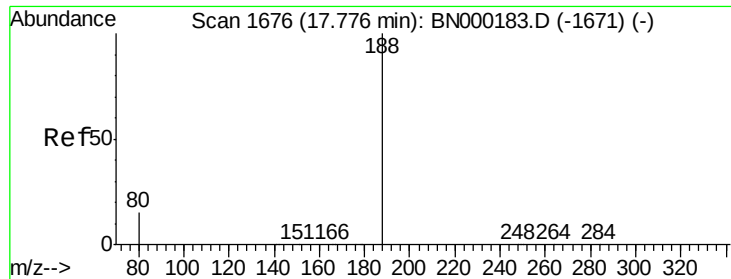
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.78 min Scan# 1718

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

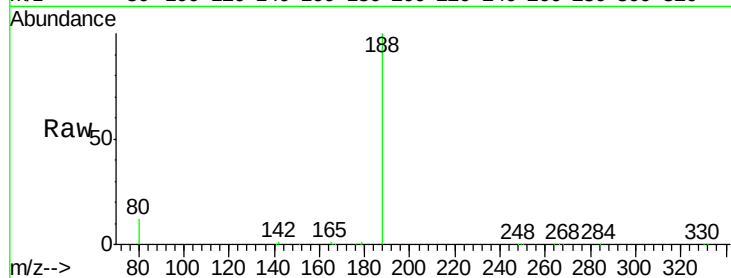
Tot Ion:188 Resp: 27944

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

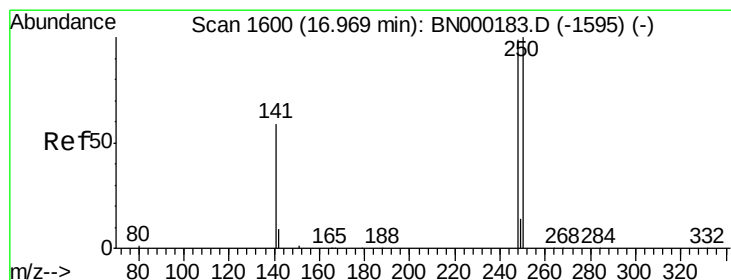
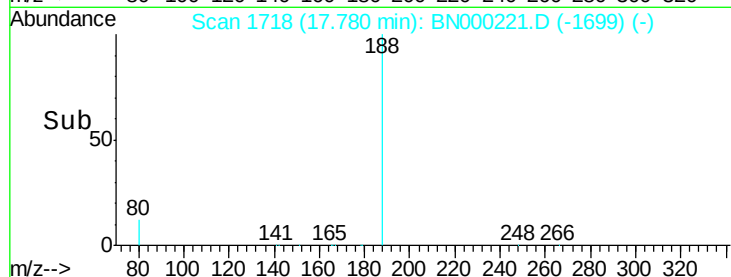
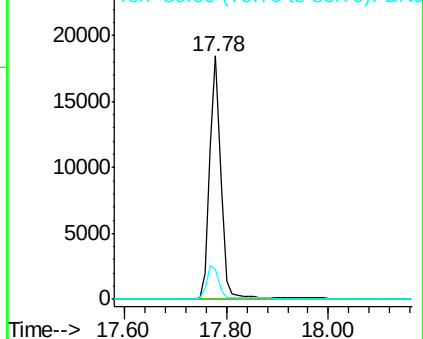
80 12.1 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.082 ng

RT: 16.96 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

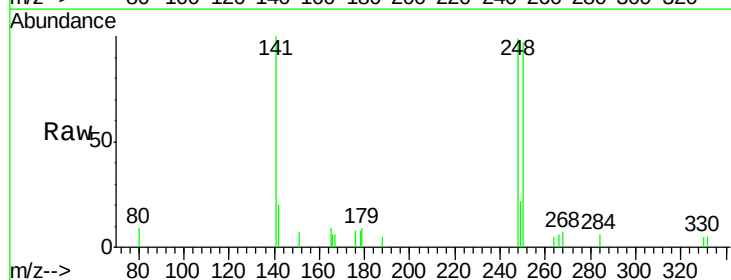
Tgt Ion:248 Resp: 1320

Ion Ratio Lower Upper

248 100

250 97.8 62.7 94.1#

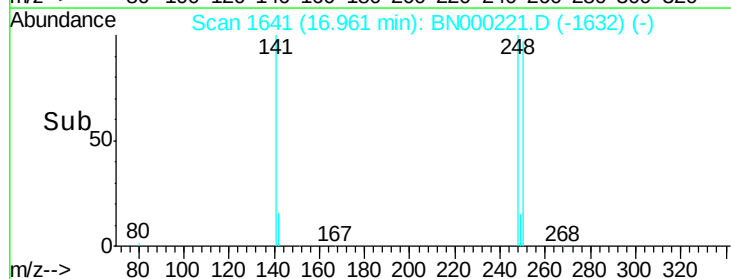
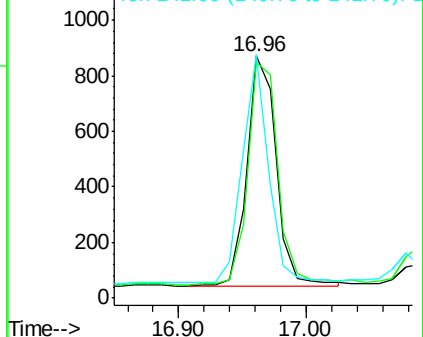
141 100.7 48.2 72.2#

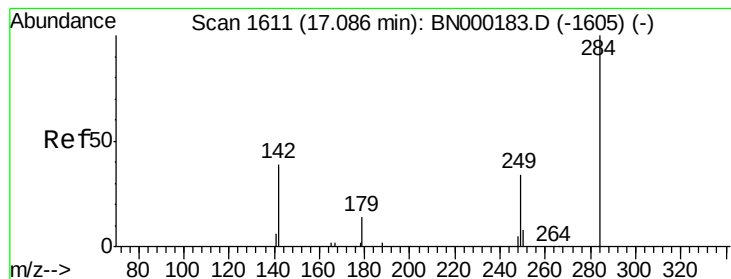


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.087 ng

RT: 17.09 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

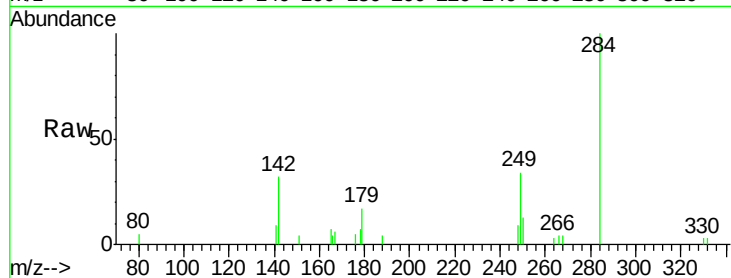
Tot Ion:284 Resp: 1871

Ion Ratio Lower Upper

284 100

142 43.2 32.0 48.0

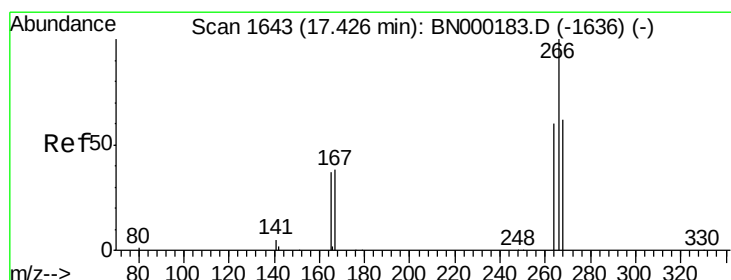
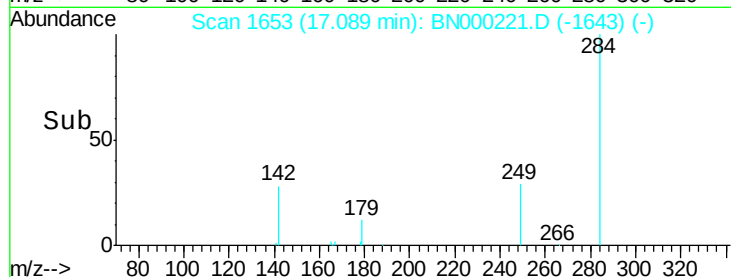
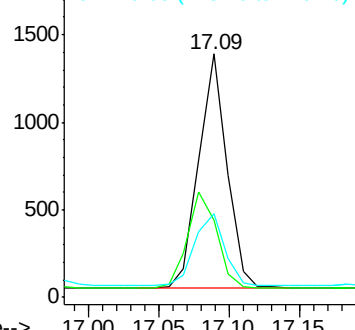
249 33.1 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.140 ng

RT: 17.43 min Scan# 1685

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

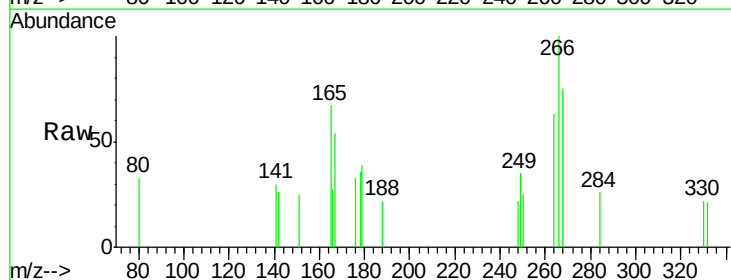
Tgt Ion:266 Resp: 300

Ion Ratio Lower Upper

266 100

264 62.7 48.0 72.0

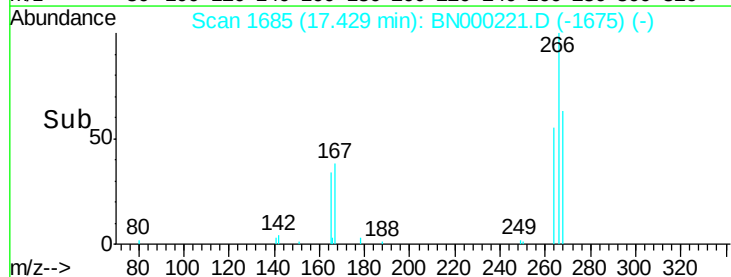
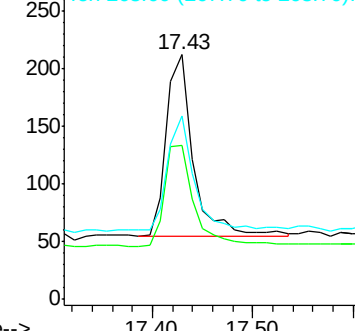
268 75.0 52.0 78.0

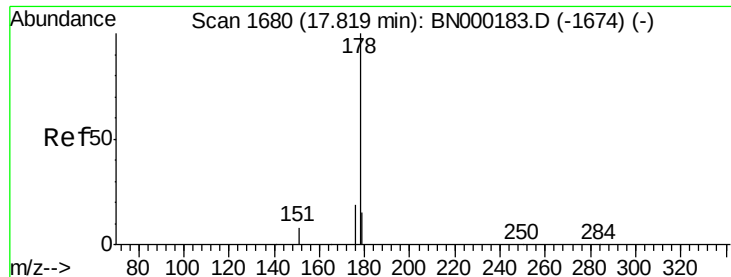


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.085 ng

RT: 17.82 min Scan# 1722

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

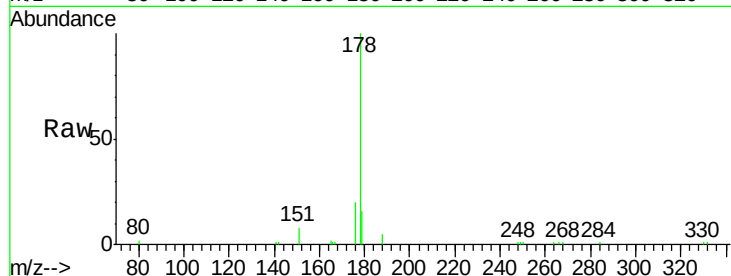
Tot Ion:178 Resp: 8381

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

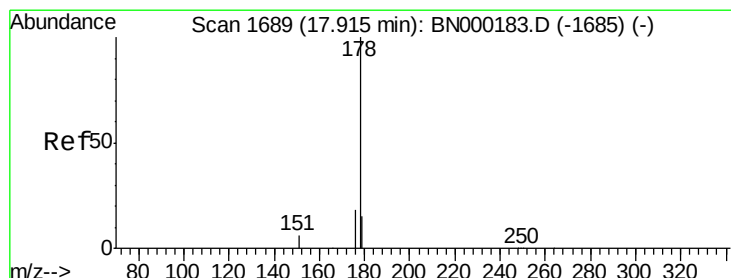
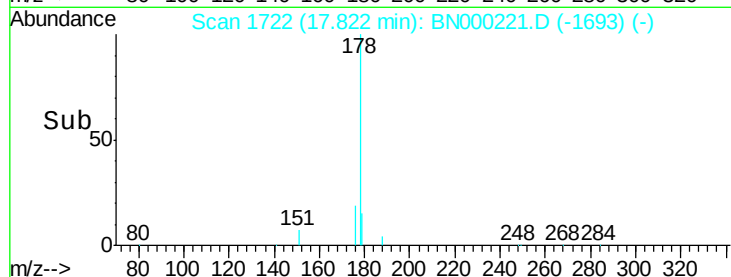
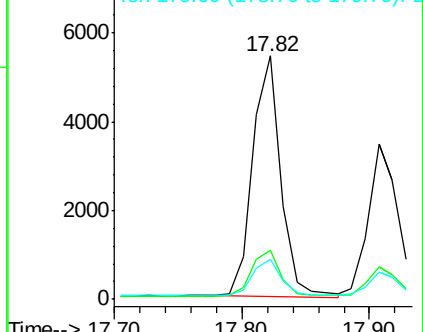
179 16.1 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.074 ng

RT: 17.91 min Scan# 1730

Delta R.T. -0.01 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

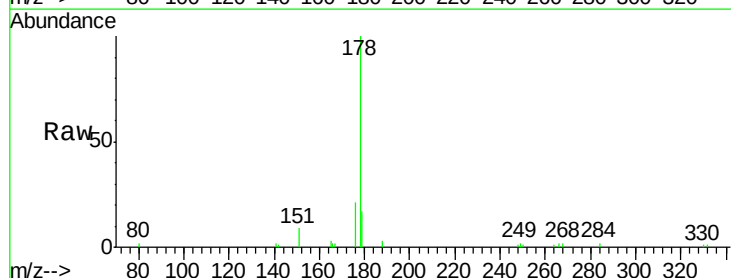
Tgt Ion:178 Resp: 5516

Ion Ratio Lower Upper

178 100

176 19.0 12.8 19.2

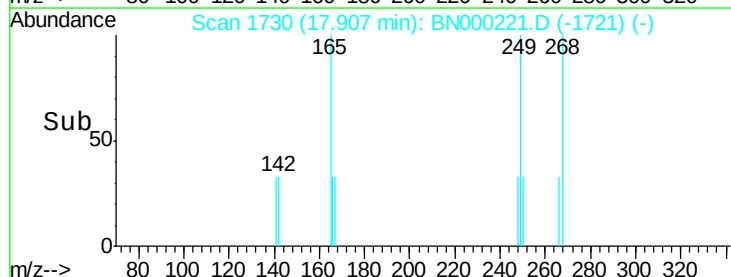
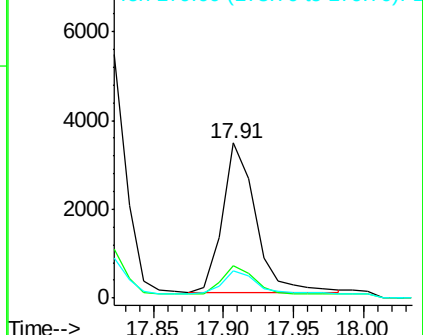
179 15.7 13.0 19.6

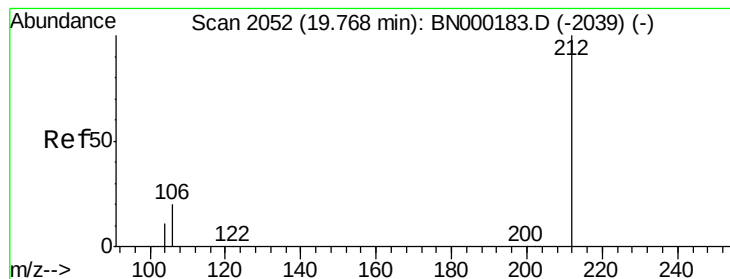


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.317 ng

RT: 19.77 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

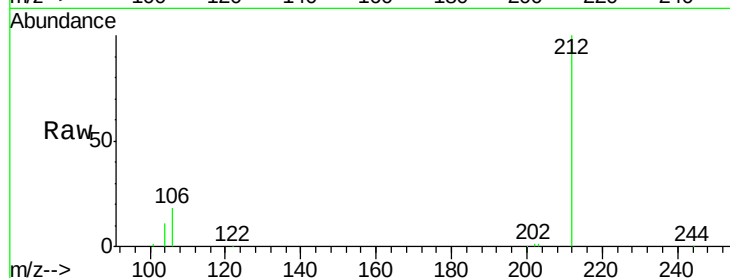
Tot Ion:212 Resp: 23660

Ion Ratio Lower Upper

212 100

106 19.3 2.8 4.2#

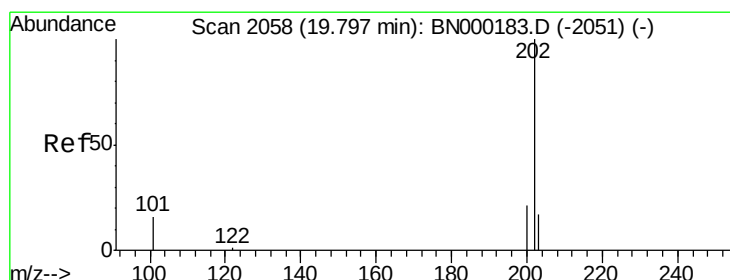
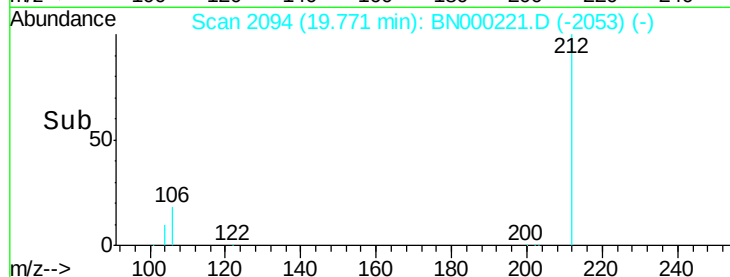
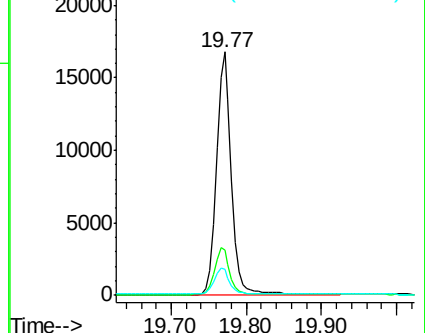
104 10.8 1.6 2.4#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.080 ng

RT: 19.80 min Scan# 2100

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

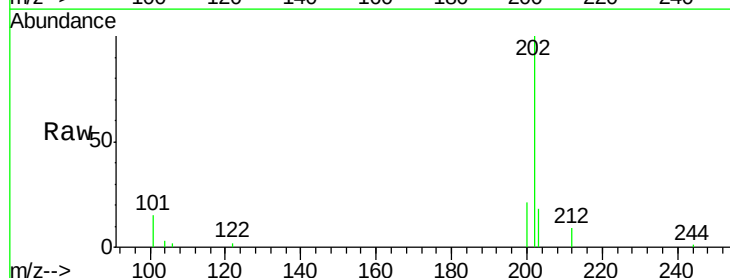
Tgt Ion:202 Resp: 8132

Ion Ratio Lower Upper

202 100

101 16.0 9.8 14.8#

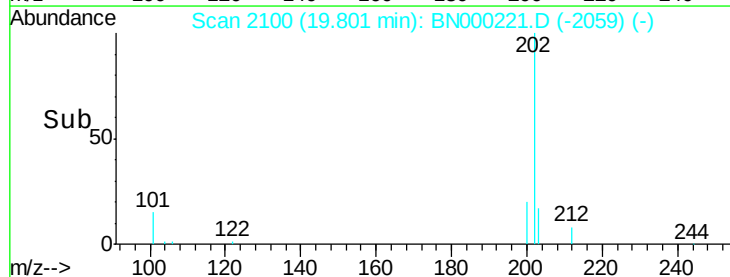
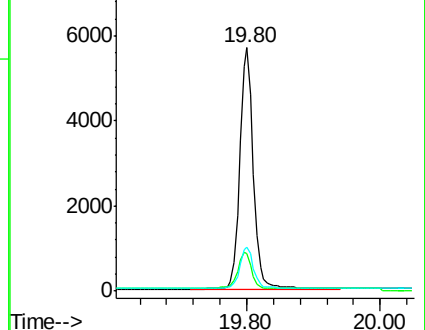
203 16.6 13.7 20.5

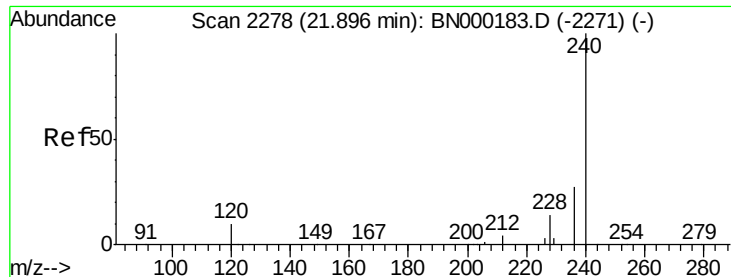


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.89 min Scan# 2319

Delta R.T. -0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

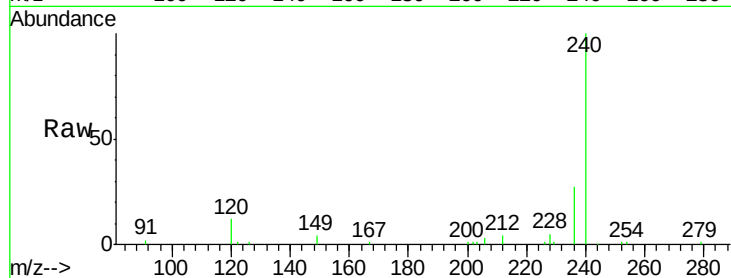
Tot Ion:240 Resp: 20111

Ion Ratio Lower Upper

240 100

120 12.4 5.5 8.3#

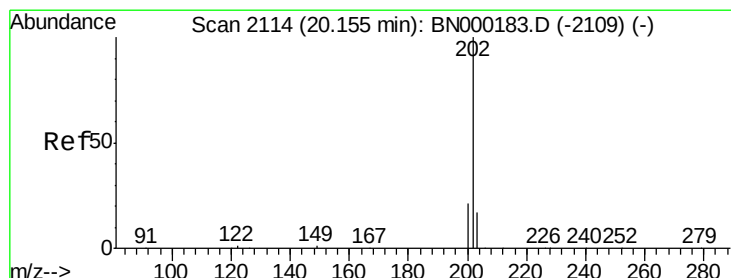
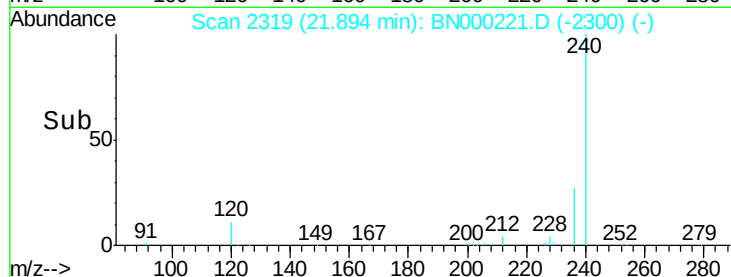
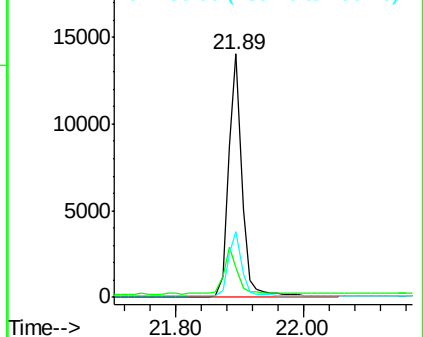
236 27.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.101 ng

RT: 20.15 min Scan# 2155

Delta R.T. -0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

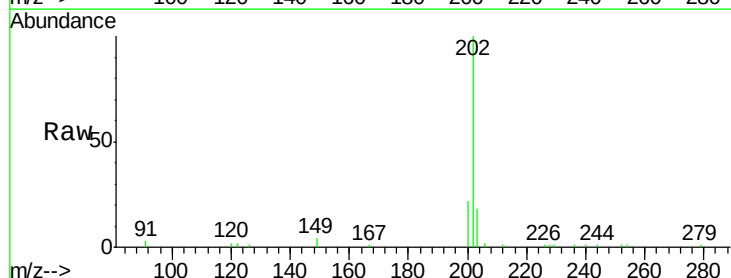
Tgt Ion:202 Resp: 8011

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

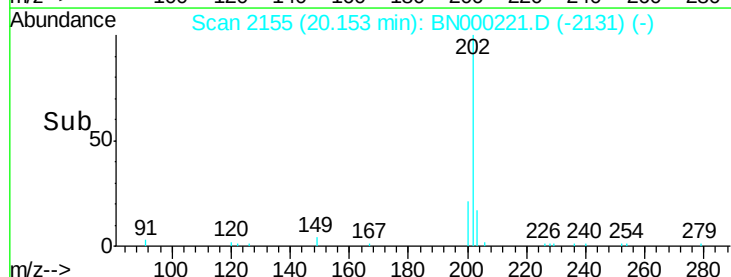
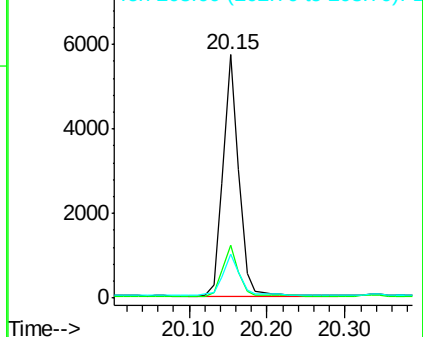
203 17.9 13.8 20.8

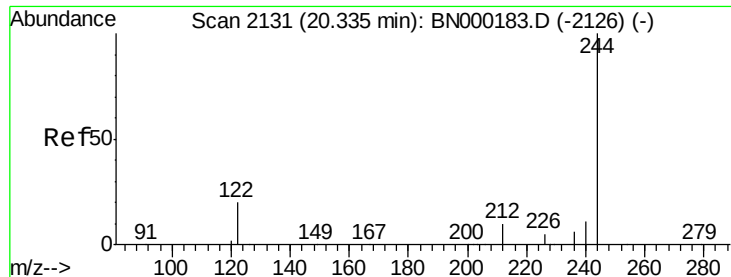


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.377 ng

RT: 20.33 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

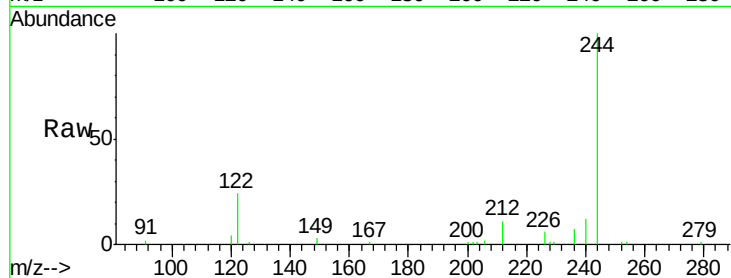
Tot Ion:244 Resp: 13320

Ion Ratio Lower Upper

244 100

212 11.1 25.4 38.0#

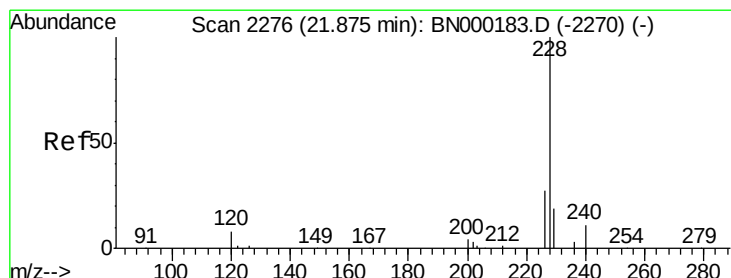
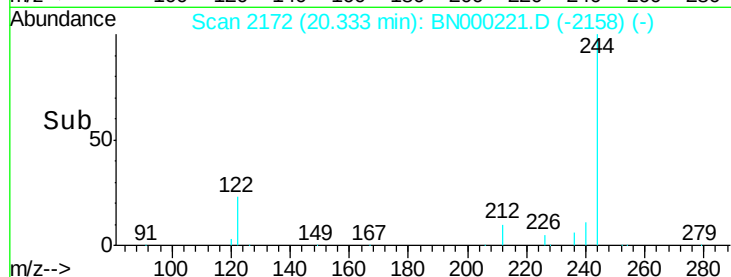
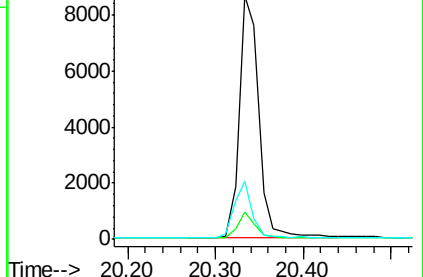
122 24.0 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.084 ng

RT: 21.87 min Scan# 2317

Delta R.T. -0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

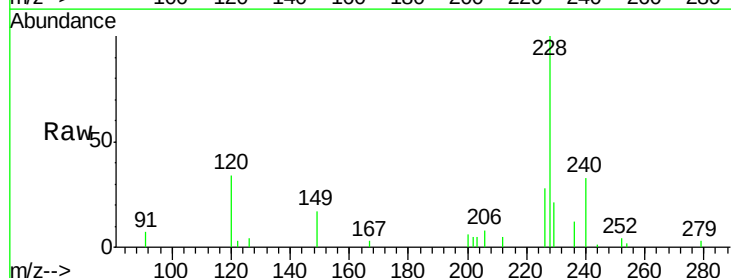
Tgt Ion:228 Resp: 5308

Ion Ratio Lower Upper

228 100

226 28.3 24.0 36.0

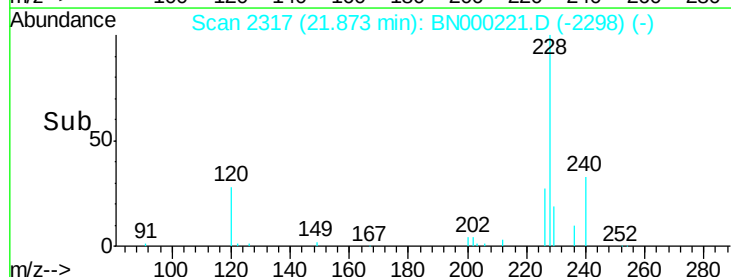
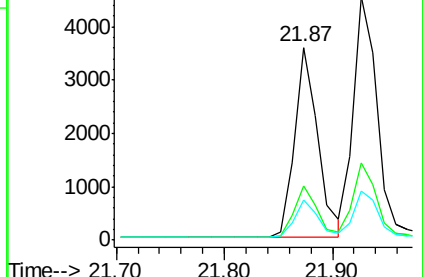
229 20.6 16.0 24.0

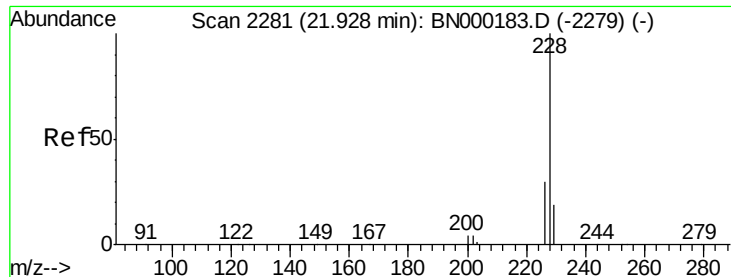


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.092 ng

RT: 21.93 min Scan# 2322

Delta R.T. -0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

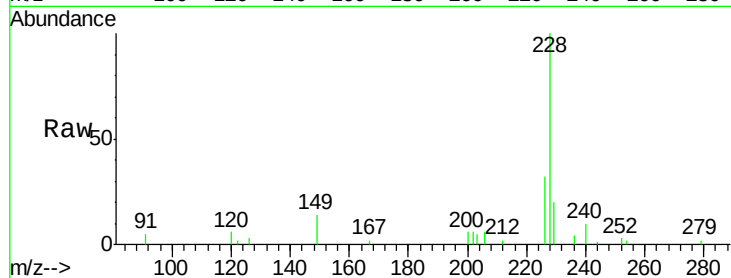
Tot Ion:228 Resp: 6795

Ion Ratio Lower Upper

228 100

226 31.7 24.0 36.0

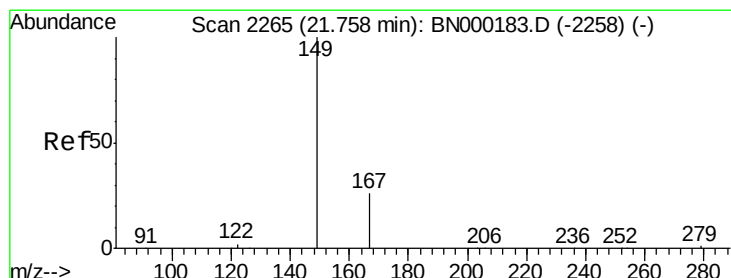
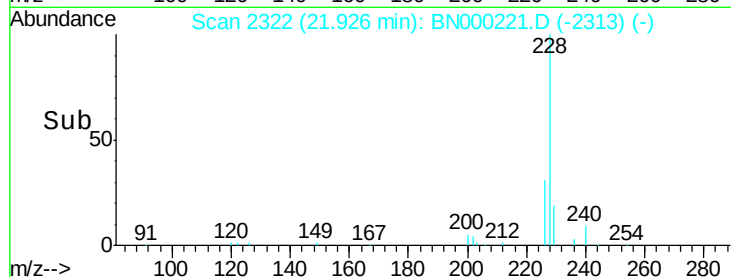
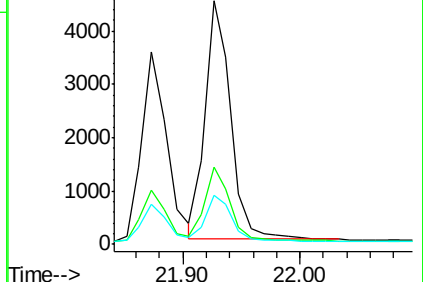
229 19.9 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.095 ng

RT: 21.76 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

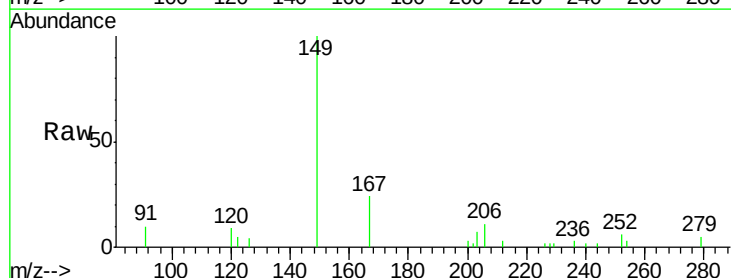
Tgt Ion:149 Resp: 2237

Ion Ratio Lower Upper

149 100

167 25.5 20.0 30.0

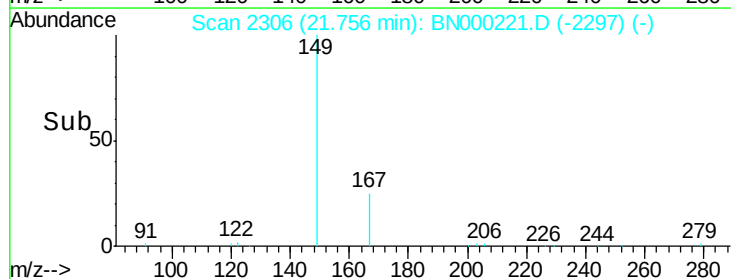
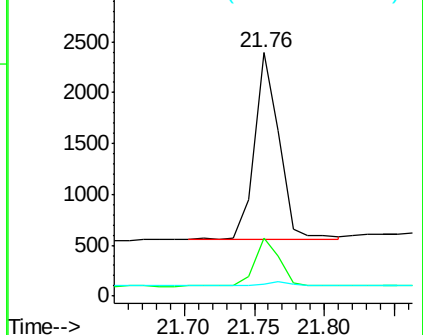
279 2.3 1.6 2.4

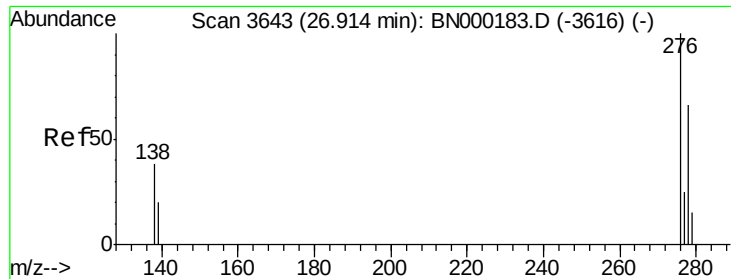


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.074 ng

RT: 26.92 min Scan# 3685

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

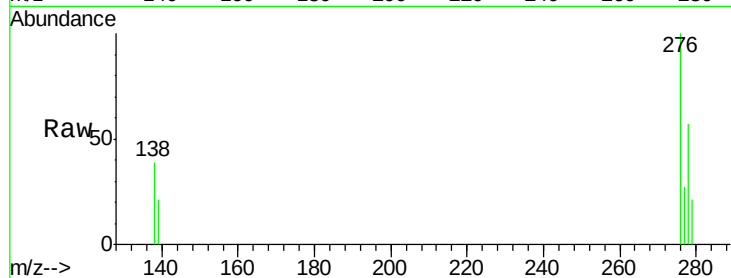
Tot Ion:276 Resp: 5093

Ion Ratio Lower Upper

276 100

138 39.7 22.5 33.7#

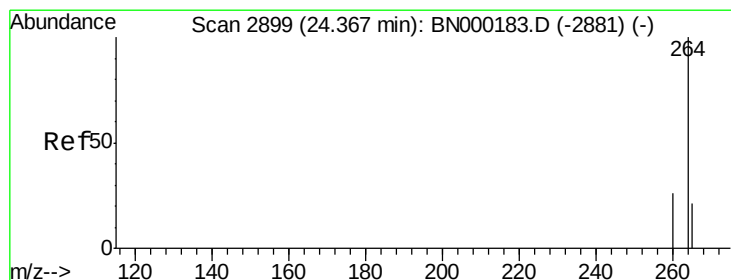
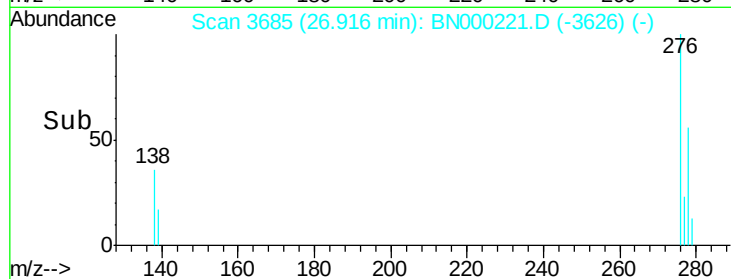
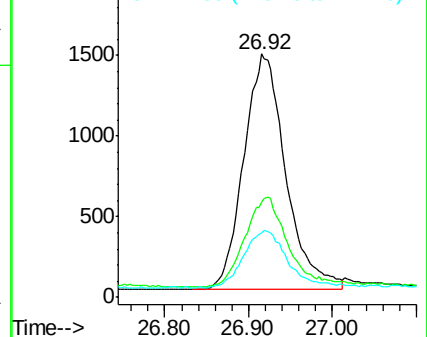
277 24.5 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.37 min Scan# 2941

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

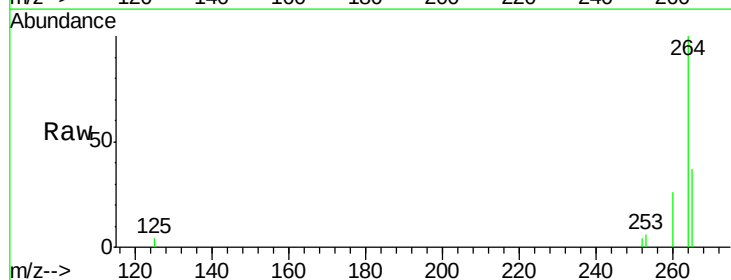
Tgt Ion:264 Resp: 15378

Ion Ratio Lower Upper

264 100

260 26.2 20.5 30.7

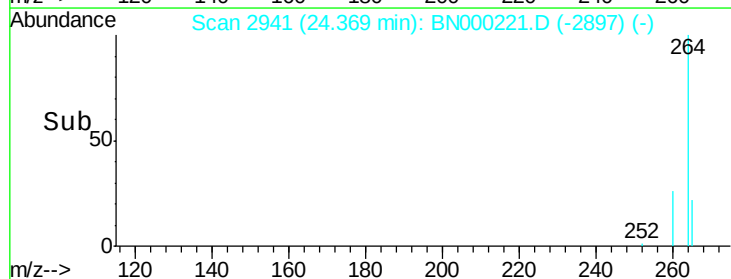
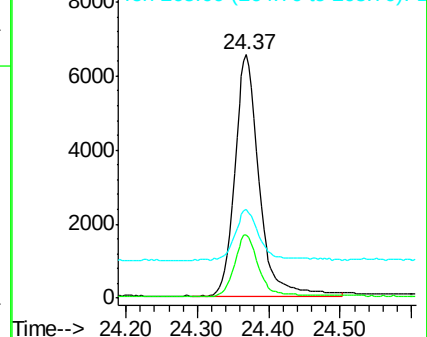
265 36.7 22.8 34.2#

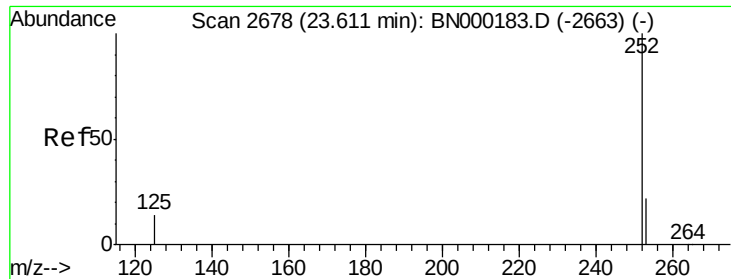


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.090 ng

RT: 23.61 min Scan# 2720

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

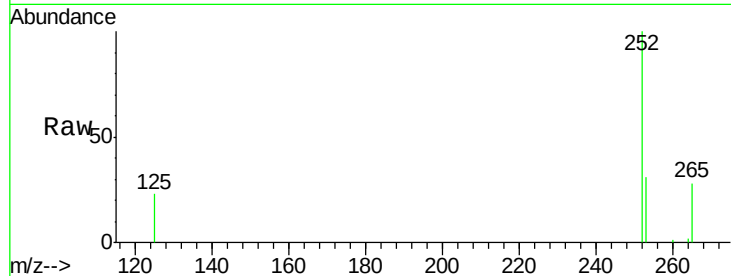
Tot Ion:252 Resp: 6348

Ion Ratio Lower Upper

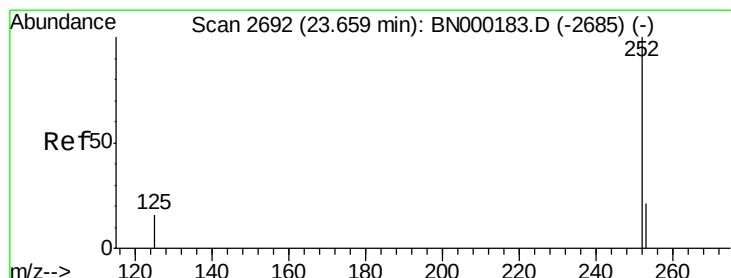
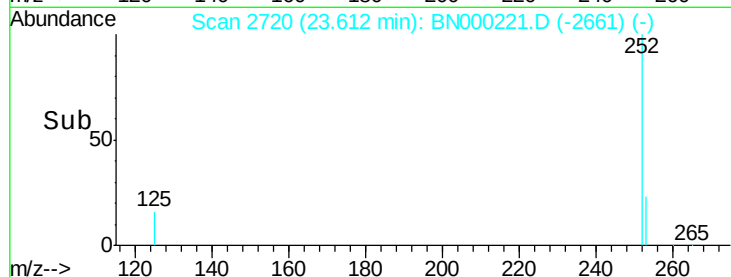
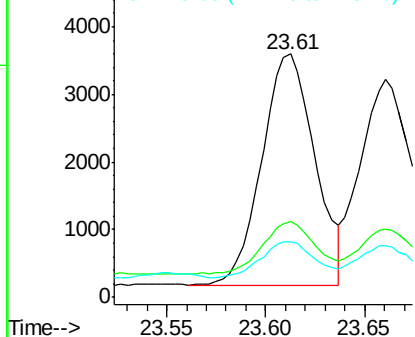
252 100

253 31.1 20.0 30.0#

125 22.8 16.0 24.0



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



#36

Benzo(k)fluoranthene

Concen: 0.083 ng

RT: 23.66 min Scan# 2734

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

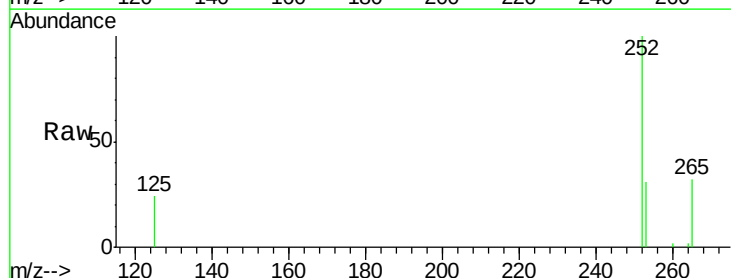
Tgt Ion:252 Resp: 5680

Ion Ratio Lower Upper

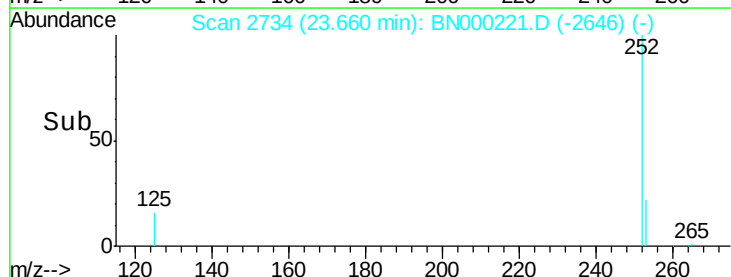
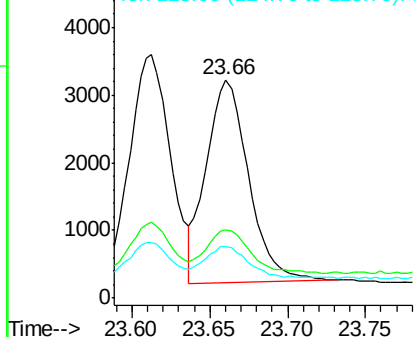
252 100

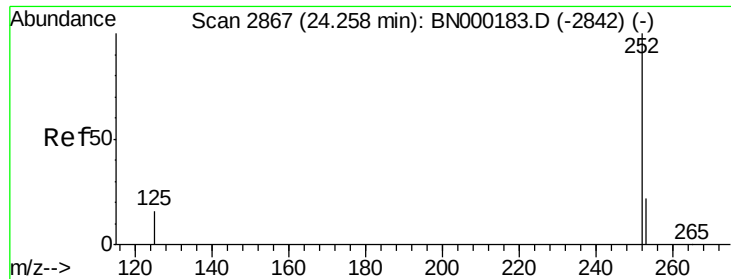
253 31.4 16.0 24.0#

125 23.8 8.0 12.0#



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





#37

Benzo(a)pyrene

Concen: 0.079 ng

RT: 24.26 min Scan# 2909

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

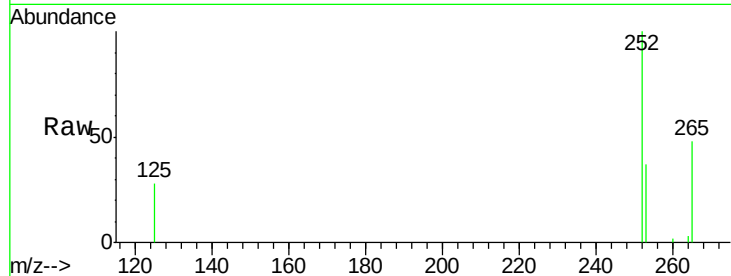
Tot Ion:252 Resp: 4510

Ion Ratio Lower Upper

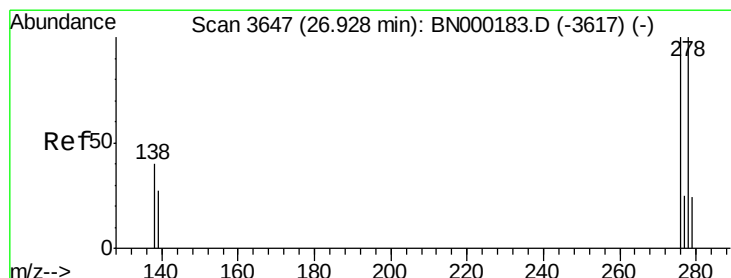
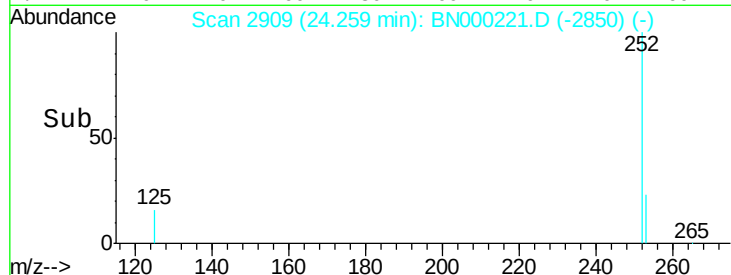
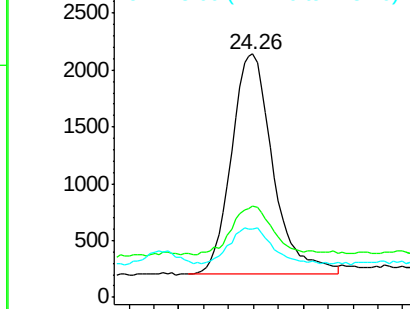
252 100

253 37.3 16.0 24.0#

125 28.2 12.0 18.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.078 ng

RT: 26.93 min Scan# 3689

Delta R.T. 0.00 min

Lab File: BN000221.D

Acq: 01 Mar 2018 17:20

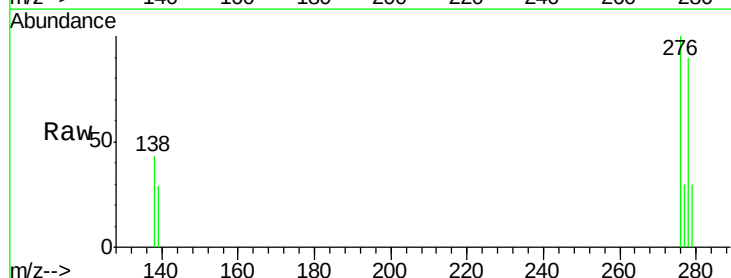
Tgt Ion:278 Resp: 3959

Ion Ratio Lower Upper

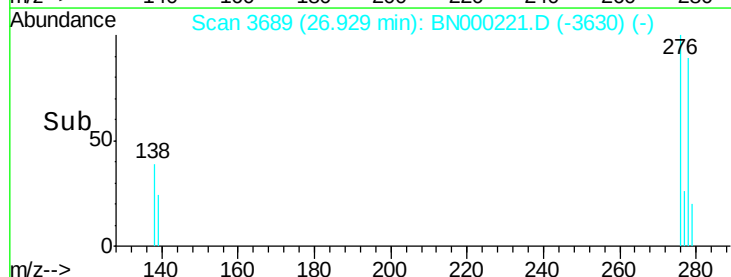
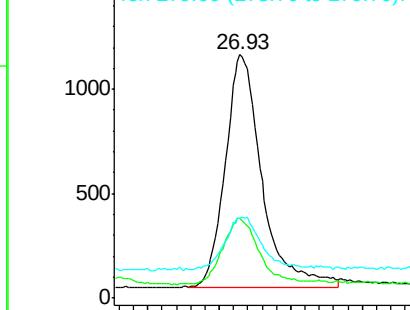
278 100

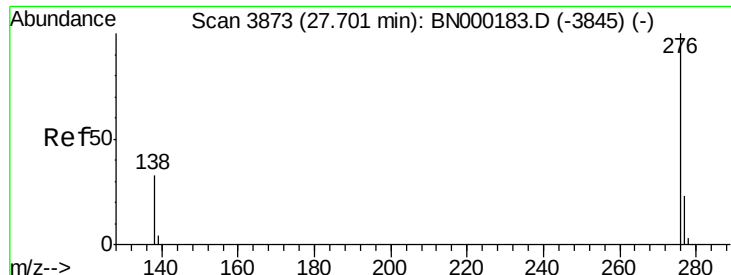
139 32.5 16.0 24.0#

279 32.8 20.0 30.0#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.087 ng

RT: 27.70 min Scan# 3915

Delta R.T. 0.00 min

Lab File: BN000221.D

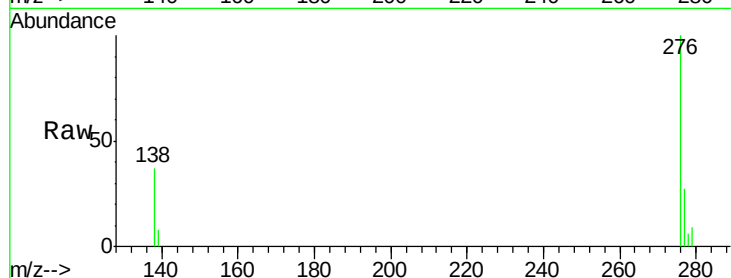
Acq: 01 Mar 2018 17:20

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018



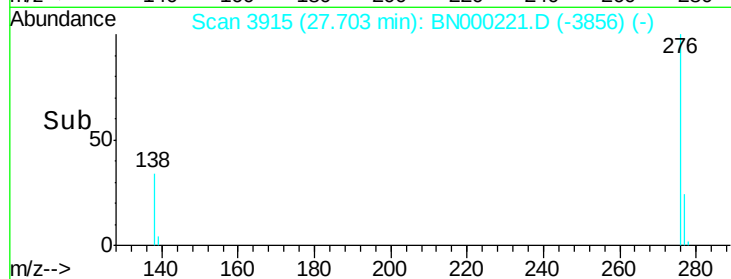
Tot Ion:276 Resp: 5236

Ion Ratio Lower Upper

276 100

277 27.3 16.0 24.0#

138 36.9 20.0 30.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

