

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN030118\
 Data File : BN000219.D
 Acq On : 01 Mar 2018 16:11
 Operator : JU/SJ
 Sample : J1161-01
 Misc : LOD 0.1 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

Quant Time: Mar 01 17:47:23 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	5199	0.40	ng	0.00
7) Naphthalene-d8	11.29	136	19358	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	9912	0.40	ng	0.00
19) Phenanthrene-d10	17.78	188	24534	0.40	ng	0.00
27) Chrysene-d12	21.89	240	19274	0.40	ng	0.00
34) Perylene-d12	24.37	264	15293	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.93	112	3638	0.33	ng	0.00
5) Phenol-d6	7.57	99	4412	0.32	ng	0.00
8) Nitrobenzene-d5	9.63	82	3547	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.85	152	10392	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.54	330	967	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.69	172	15300	0.33	ng	0.00
25) Fluoranthene-d10	19.77	212	20888	0.32	ng	0.00
29) Terphenyl-d14	20.34	244	11761	0.35	ng	0.00

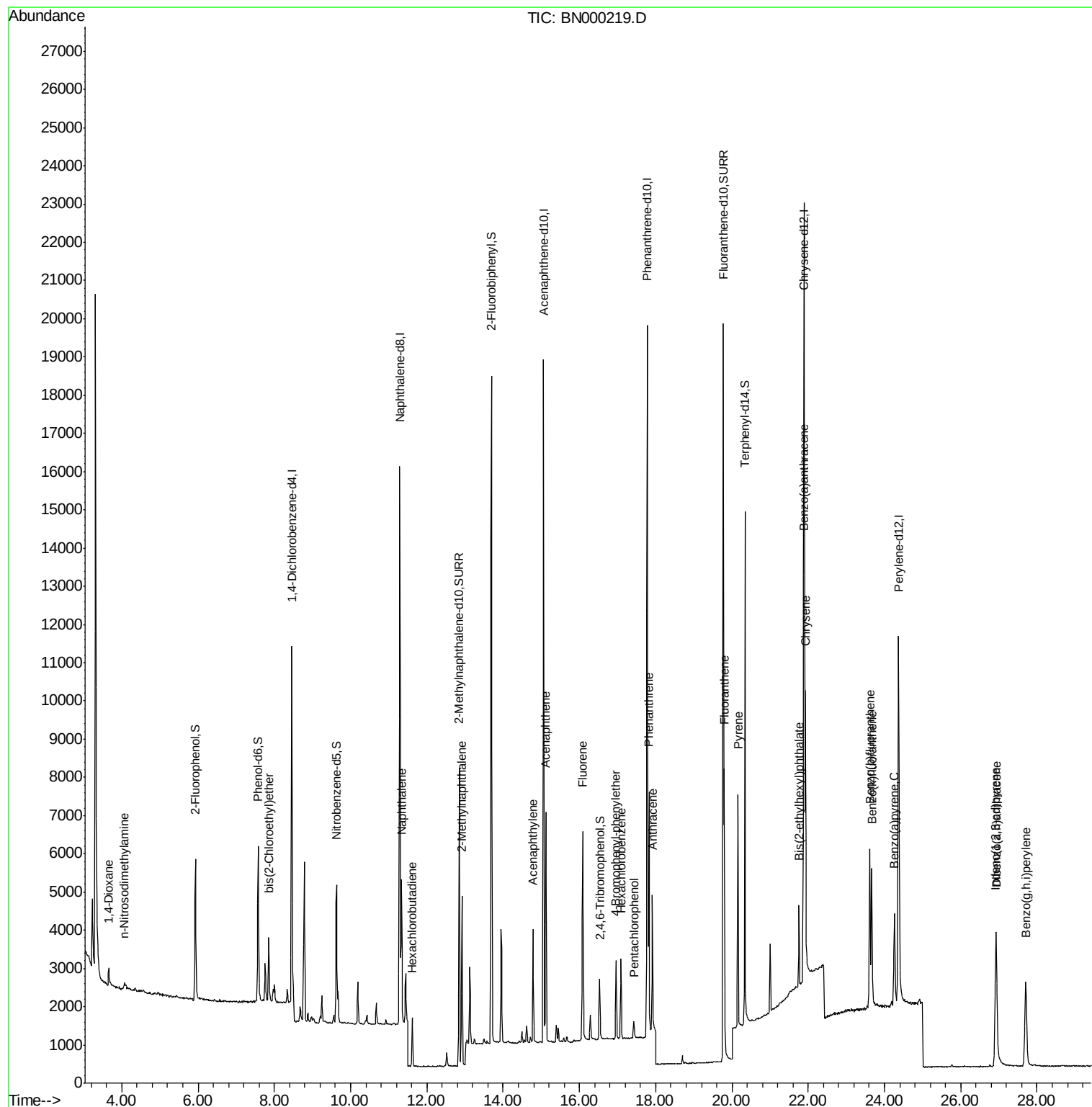
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.66	88	493	0.092	ng	96
3) n-Nitrosodimethylamine	4.07	42	146	0.131	ng	# 74
6) bis(2-Chloroethyl)ether	7.85	93	1431	0.081	ng	98
9) Naphthalene	11.34	128	4847	0.086	ng	# 93
10) Hexachlorobutadiene	11.62	225	814	0.085	ng	98
12) 2-Methylnaphthalene	12.92	142	3094	0.083	ng	98
16) Acenaphthylene	14.78	152	3341	0.072	ng	99
17) Acenaphthene	15.12	154	2920	0.079	ng	95
18) Fluorene	16.09	166	3746	0.082	ng	# 80
20) 4-Bromophenyl-phenylether	16.96	248	1018	0.072	ng	# 67
21) Hexachlorobenzene	17.09	284	1448	0.077	ng	95
22) Pentachlorophenol	17.43	266	267	0.140	ng	# 84
23) Phenanthrene	17.82	178	6682	0.077	ng	96
24) Anthracene	17.91	178	4505	0.069	ng	96
26) Fluoranthene	19.80	202	6595	0.074	ng	# 95
28) Pyrene	20.16	202	6654	0.088	ng	99
30) Benzo(a)anthracene	21.88	228	4607	0.076	ng	97
31) Chrysene	21.93	228	6183	0.087	ng	99
32) Bis(2-ethylhexyl)phthalate	21.76	149	1860	0.082	ng	98
33) Indeno(1,2,3-cd)pyrene	26.92	276	4793	0.072	ng	# 89
35) Benzo(b)fluoranthene	23.61	252	5658	0.081	ng	# 90
36) Benzo(k)fluoranthene	23.66	252	5253	0.077	ng	# 68
37) Benzo(a)pyrene	24.26	252	4073	0.072	ng	# 62
38) Dibenzo(a,h)anthracene	26.93	278	3593	0.071	ng	# 78
39) Benzo(g,h,i)perylene	27.70	276	4878	0.082	ng	# 79

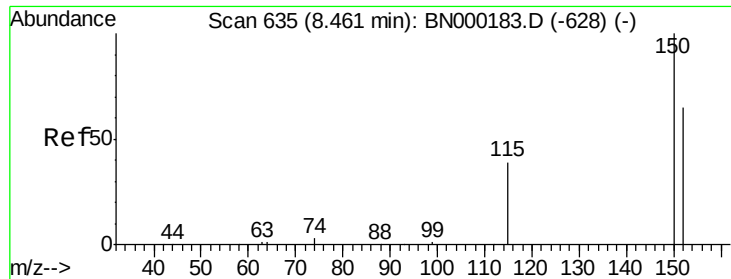
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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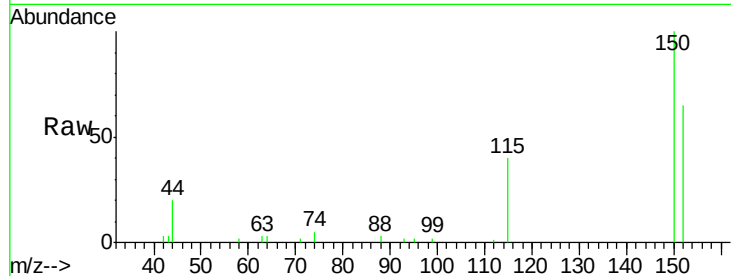


#1

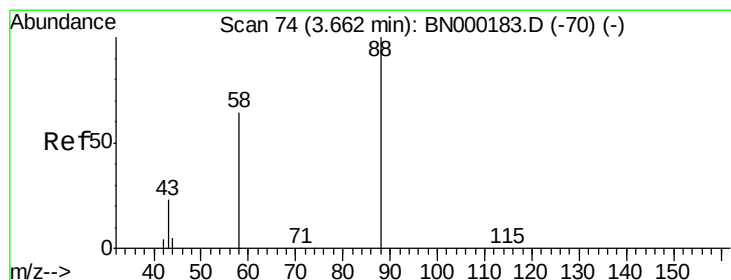
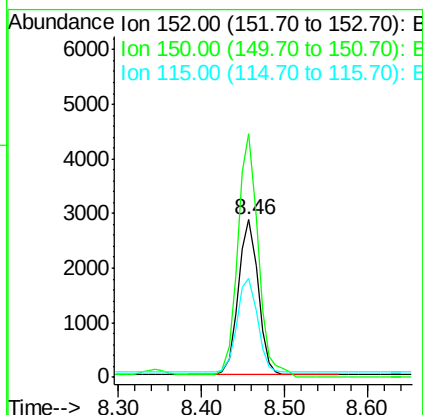
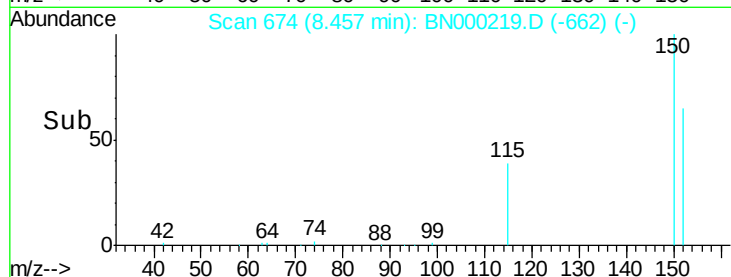
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 674
Delta R.T. -0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 152 Resp: 5199
Ion Ratio Lower Upper
152 100
150 154.4 117.2 175.8
115 62.5 57.0 85.6



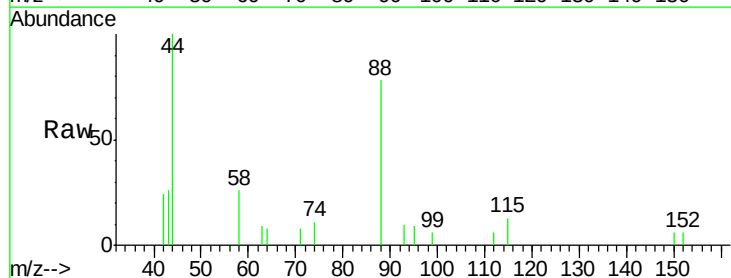
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



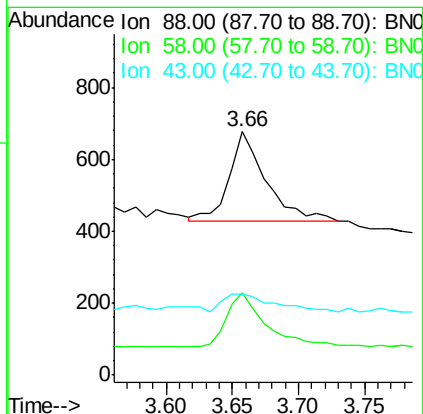
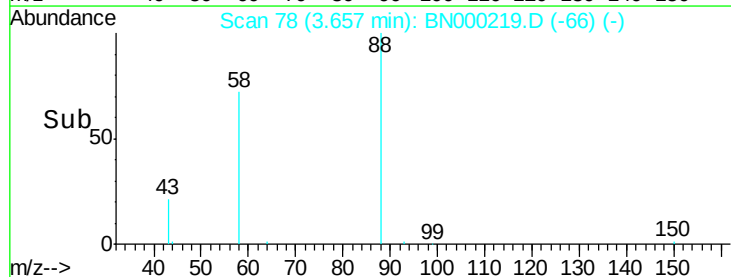
#2

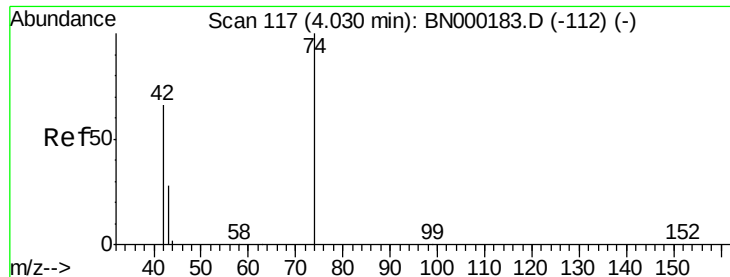
1,4-Dioxane
Concen: 0.092 ng
RT: 3.66 min Scan# 78
Delta R.T. -0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion: 88 Resp: 493
Ion Ratio Lower Upper
88 100
58 61.3 48.0 72.0
43 29.0 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: 0.131 ng

RT: 4.07 min Scan# 129

Delta R.T. 0.04 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

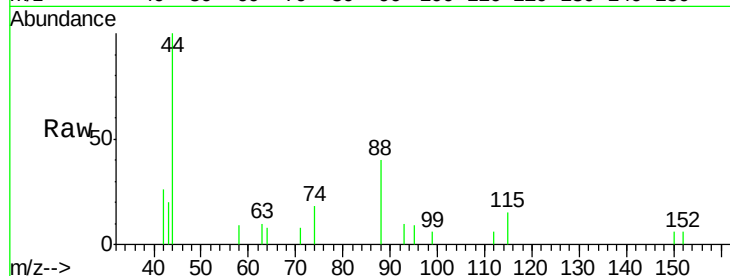
Tgt Ion: 42 Resp: 146

Ion Ratio Lower Upper

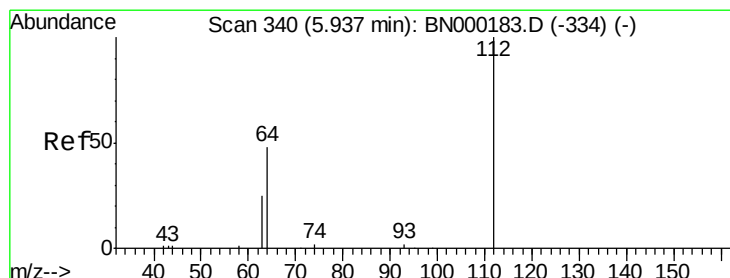
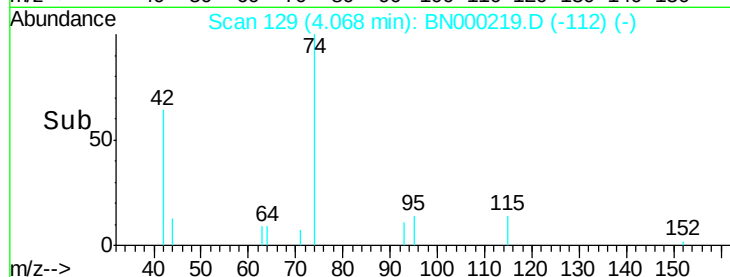
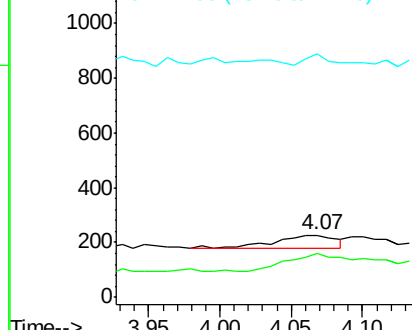
42 100

74 120.5 120.0 180.0

44 37.7 4.0 6.0#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.331 ng

RT: 5.93 min Scan# 360

Delta R.T. -0.01 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

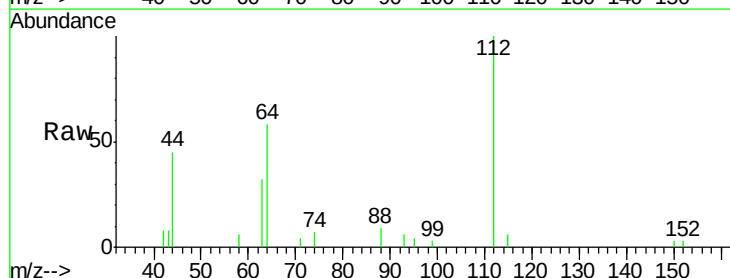
Tgt Ion: 112 Resp: 3638

Ion Ratio Lower Upper

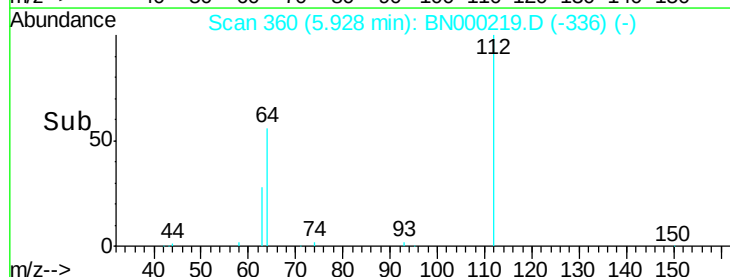
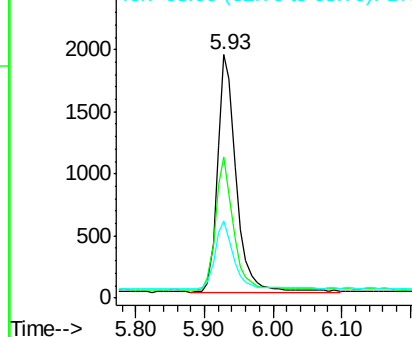
112 100

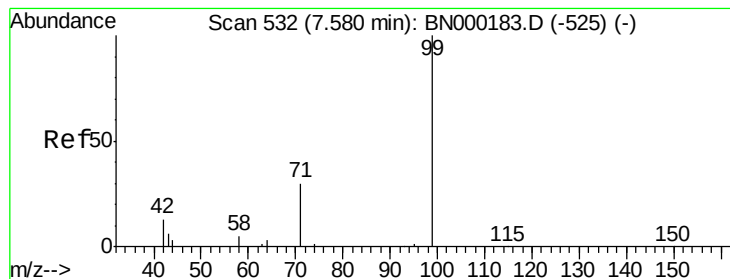
64 53.1 60.1 90.1#

63 28.0 116.8 175.2#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.316 ng

RT: 7.57 min Scan# 564

Delta R.T. -0.01 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

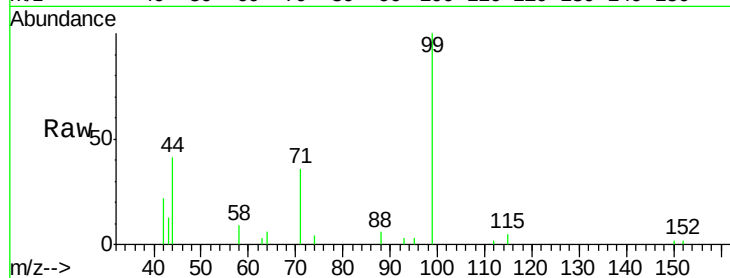
Tgt Ion: 99 Resp: 4412

Ion Ratio Lower Upper

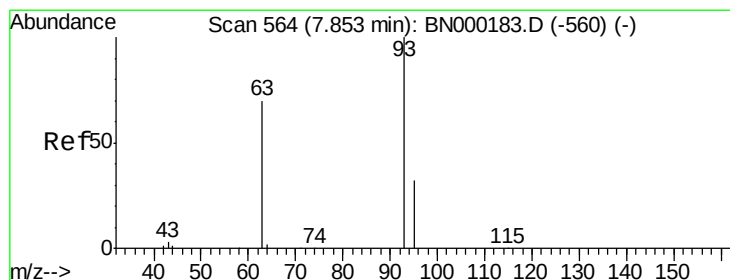
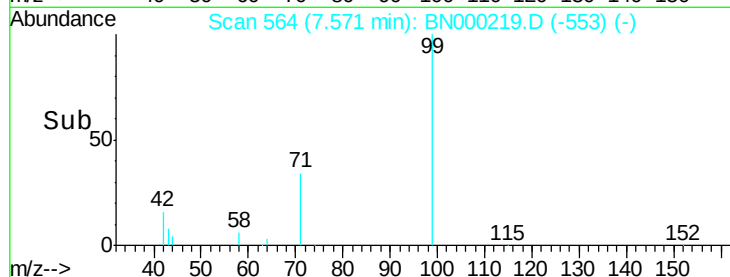
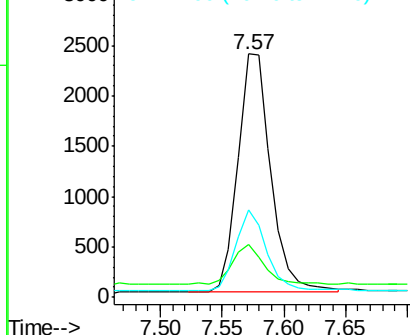
99 100

42 15.8 20.2 30.2#

71 31.7 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: 0.081 ng

RT: 7.85 min Scan# 599

Delta R.T. -0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

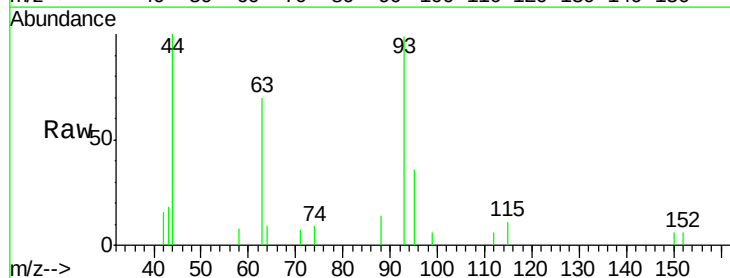
Tgt Ion: 93 Resp: 1431

Ion Ratio Lower Upper

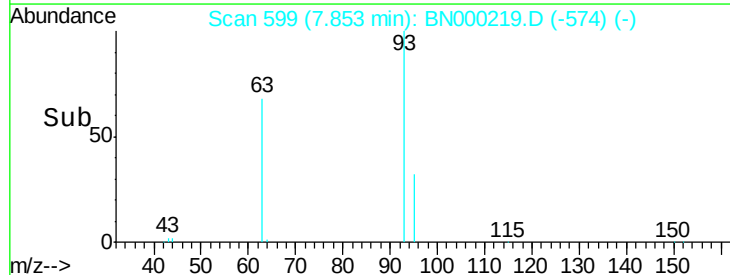
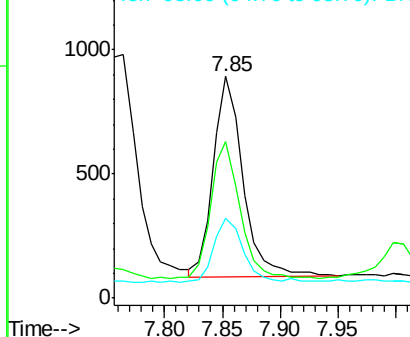
93 100

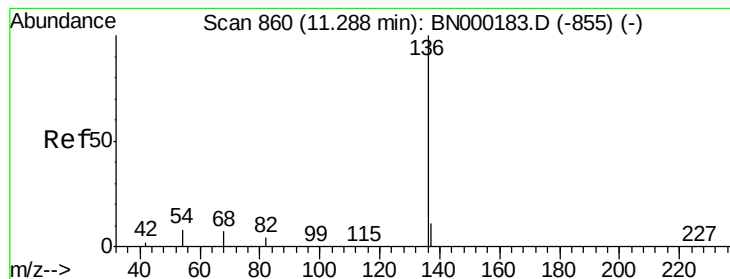
63 67.7 56.0 84.0

95 32.2 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: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:136 Resp: 19358

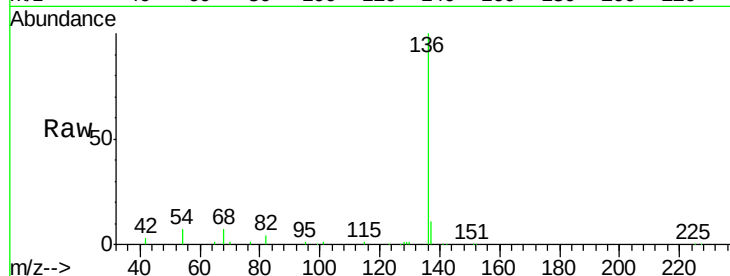
Ion Ratio Lower Upper

136 100

137 11.2 9.5 14.3

54 7.5 29.1 43.7#

68 7.1 6.2 9.2

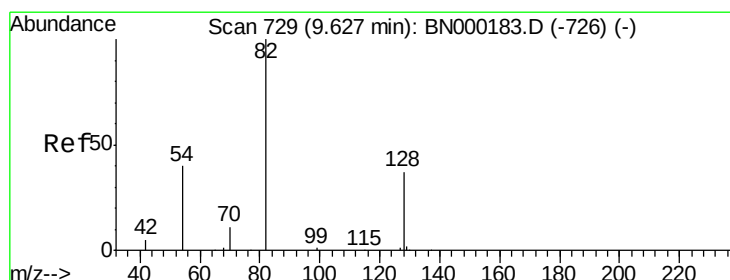
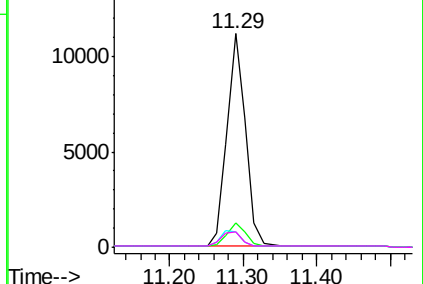
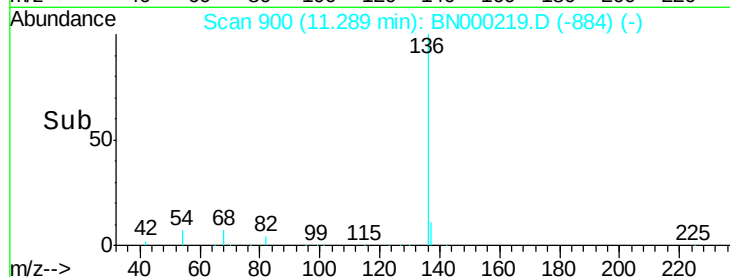


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.309 ng

RT: 9.63 min Scan# 769

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

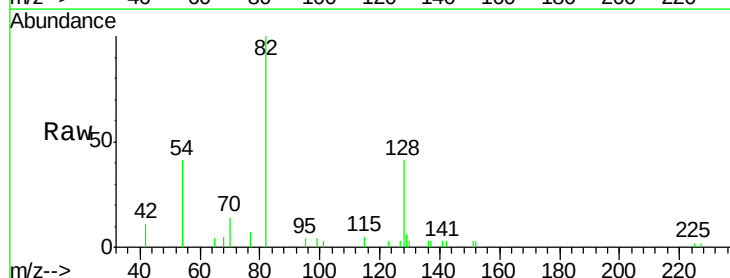
Tgt Ion: 82 Resp: 3547

Ion Ratio Lower Upper

82 100

128 40.7 150.0 225.0#

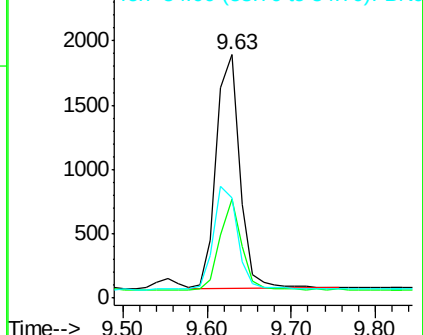
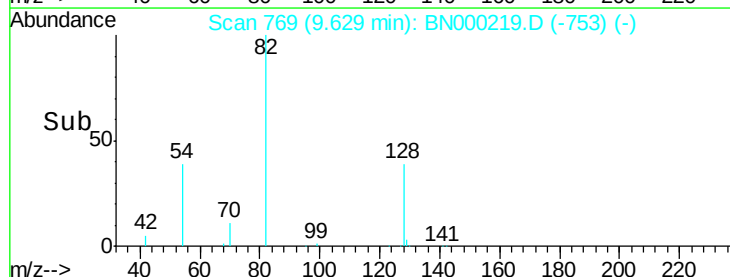
54 41.2 154.2 231.4#

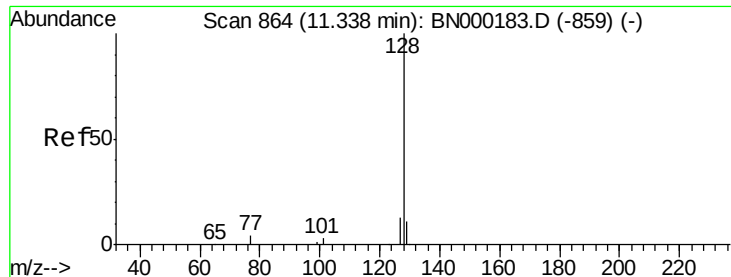


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.086 ng

RT: 11.34 min Scan# 904

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

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LOD-MDL-SOIL-01-QT1-2018

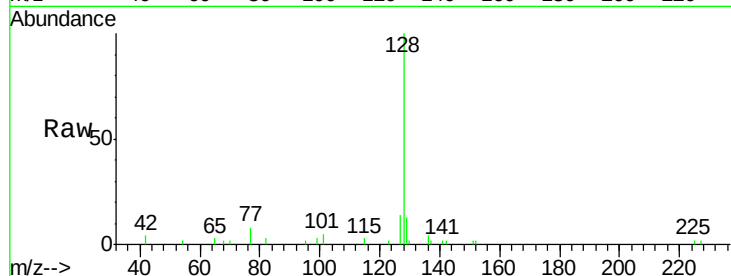
Tgt Ion:128 Resp: 4847

Ion Ratio Lower Upper

128 100

129 12.8 8.0 12.0#

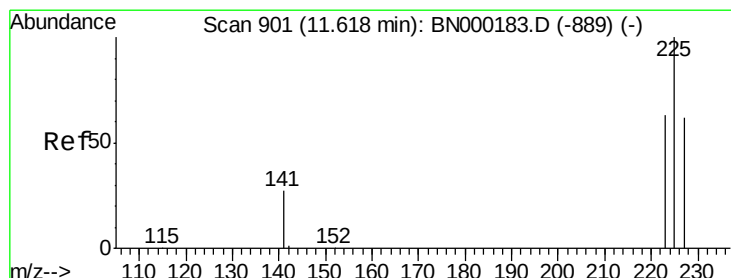
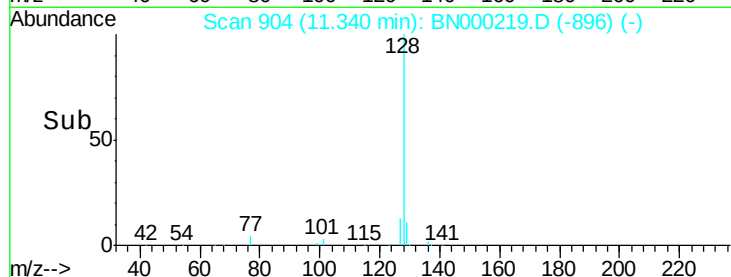
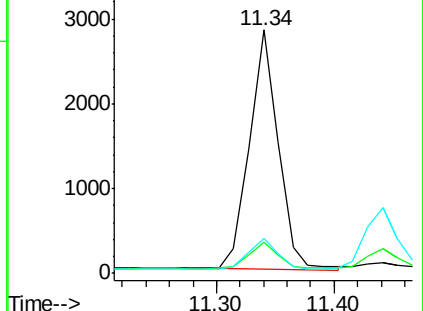
127 14.4 9.6 14.4#



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: 0.085 ng

RT: 11.62 min Scan# 943

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

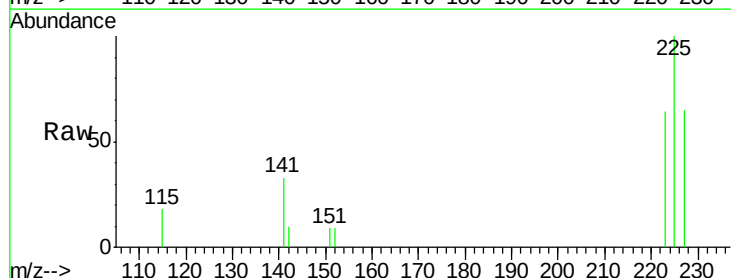
Tgt Ion:225 Resp: 814

Ion Ratio Lower Upper

225 100

223 63.6 53.0 79.6

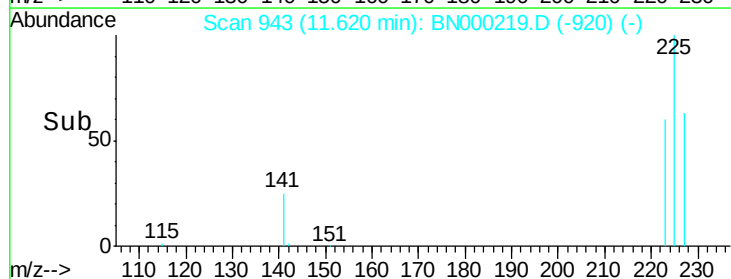
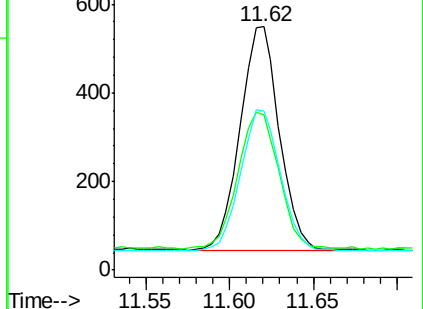
227 63.8 51.4 77.2

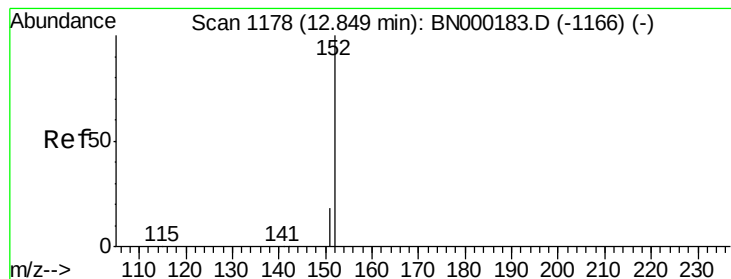


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

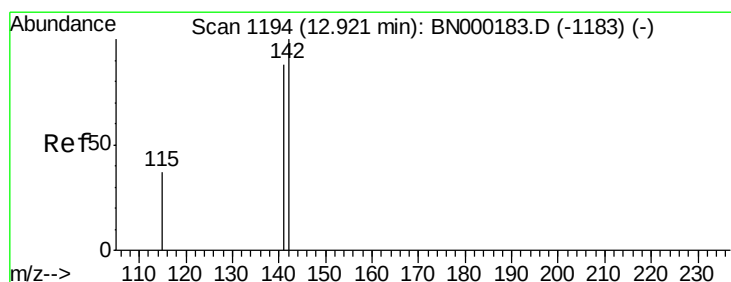
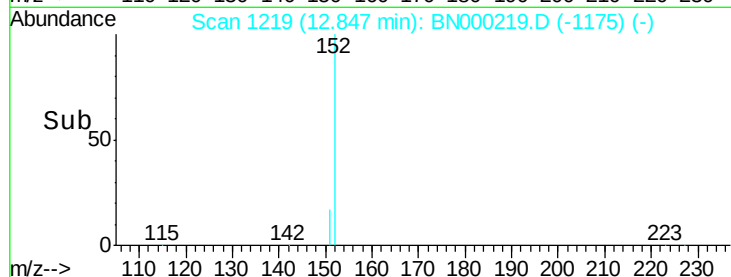
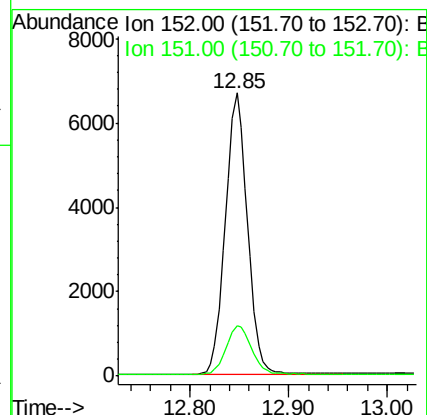
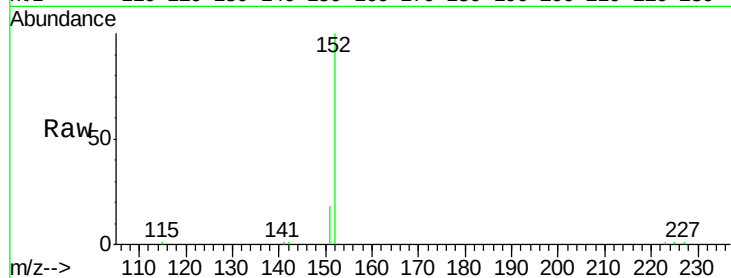




#11
 2-Methylnaphthalene-d10
 Concen: 0.357 ng
 RT: 12.85 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BN000219.D
 Acq: 01 Mar 2018 16:11

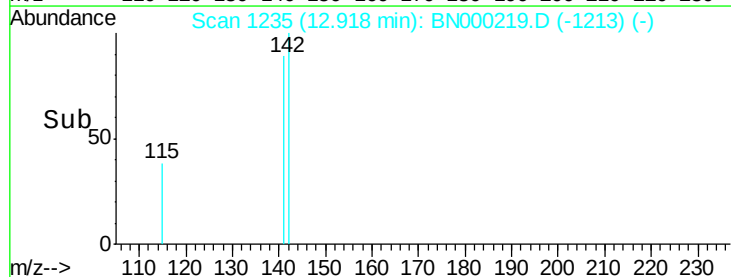
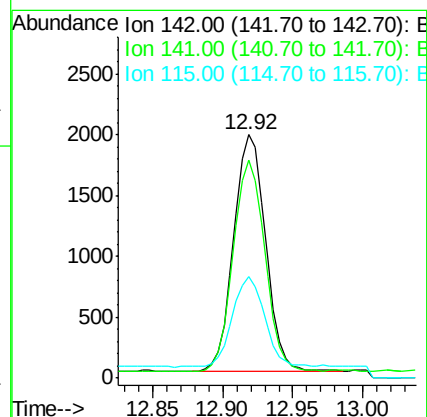
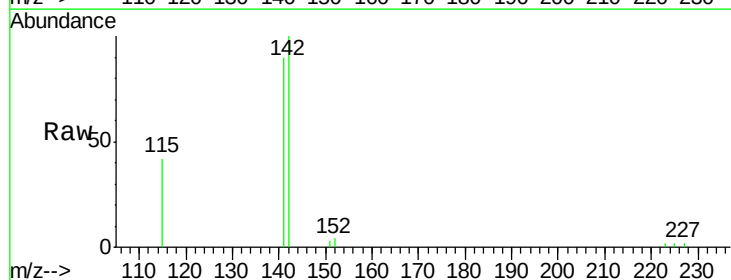
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 LOD-MDL-SOIL-01-QT1-2018

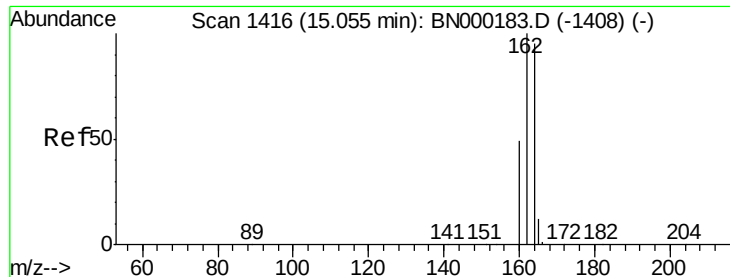
Tgt Ion:152 Resp: 10392
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.083 ng
 RT: 12.92 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: BN000219.D
 Acq: 01 Mar 2018 16:11

Tgt Ion:142 Resp: 3094
 Ion Ratio Lower Upper
 142 100
 141 89.7 70.4 105.6
 115 41.7 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: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

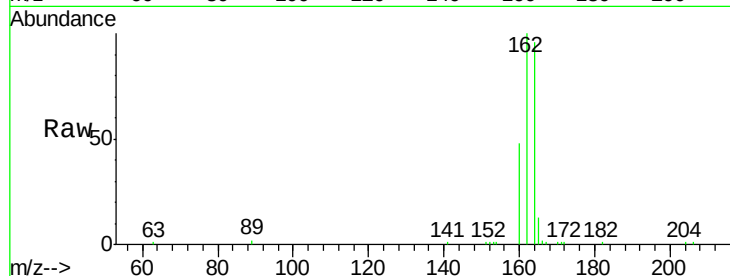
Tgt Ion:164 Resp: 9912

Ion Ratio Lower Upper

164 100

162 104.3 83.1 124.7

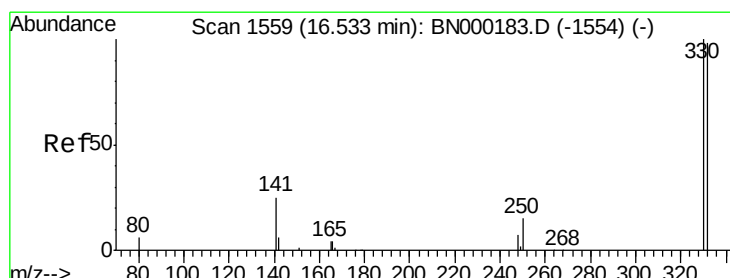
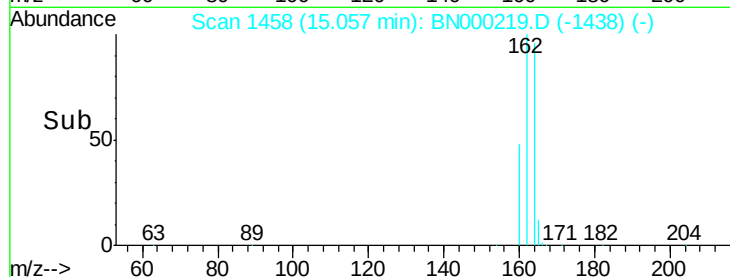
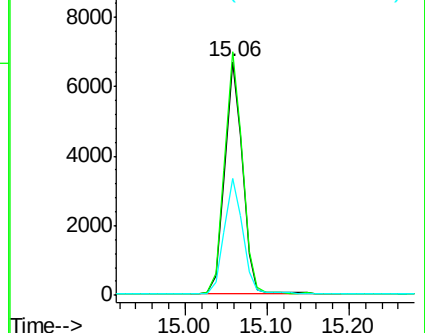
160 50.0 37.1 55.7



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: 0.307 ng

RT: 16.54 min Scan# 1601

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

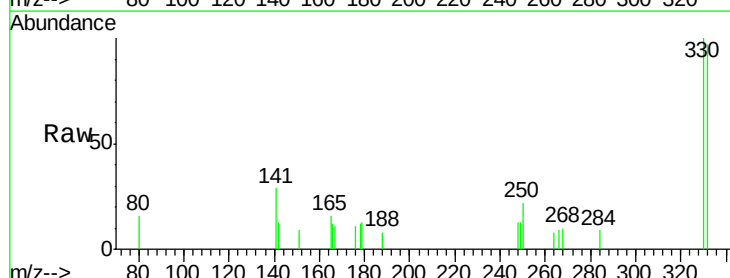
Tgt Ion:330 Resp: 967

Ion Ratio Lower Upper

330 100

332 96.5 152.7 229.1#

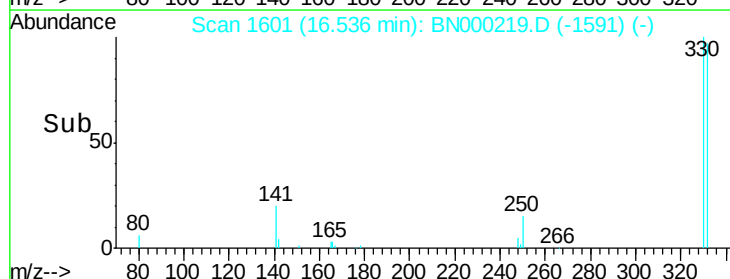
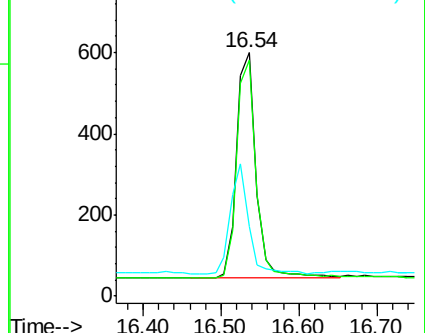
141 44.9 33.7 50.5

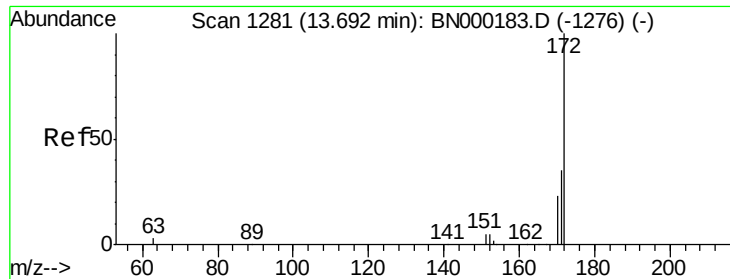


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

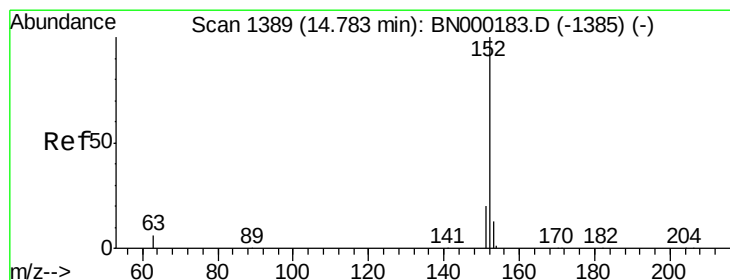
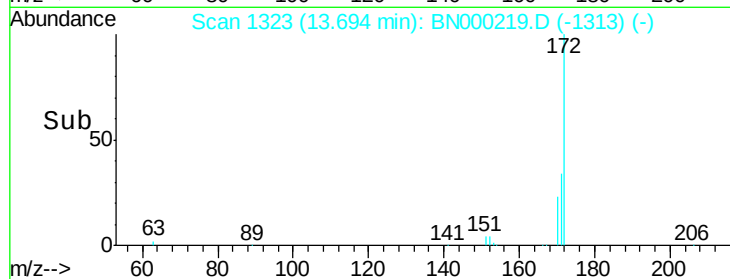
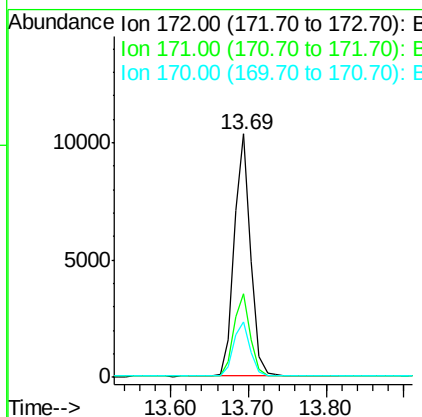
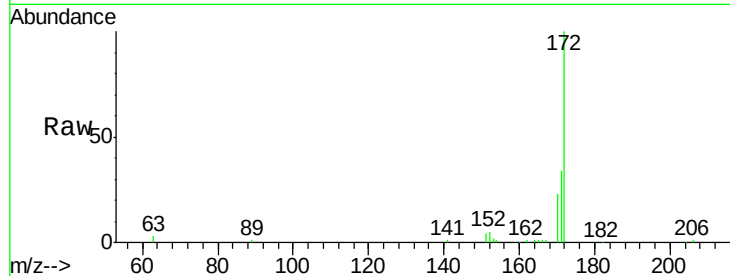




#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 13.69 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

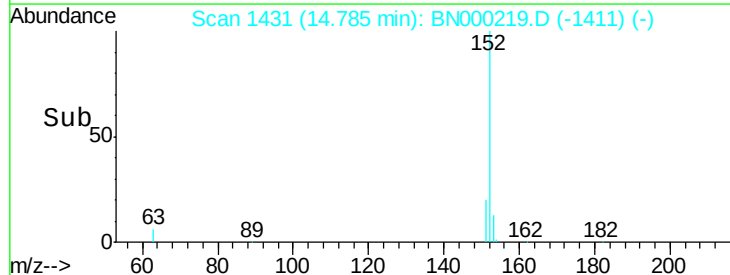
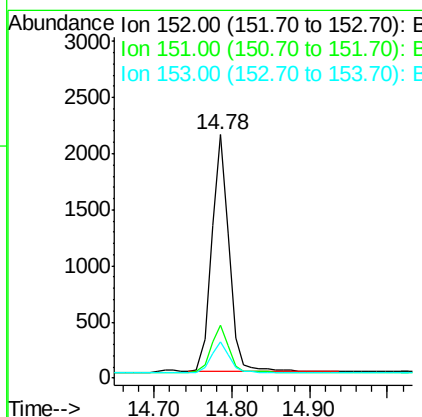
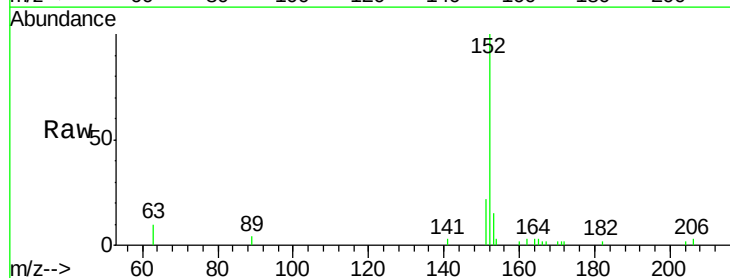
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

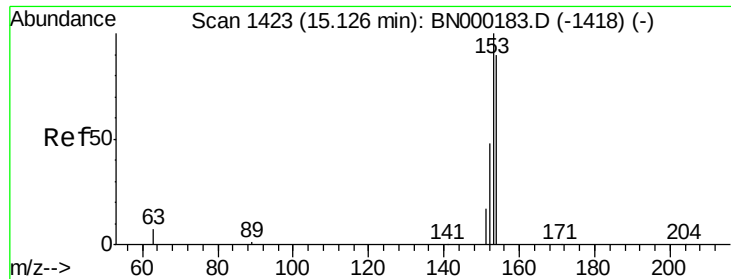
Tgt Ion:172 Resp: 15300
Ion Ratio Lower Upper
172 100
171 34.3 29.9 44.9
170 23.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.072 ng
RT: 14.78 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BN000219.D
Acq: 01 Mar 2018 16:11

Tgt Ion:152 Resp: 3341
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 13.4 10.5 15.7





#17

Acenaphthene

Concen: 0.079 ng

RT: 15.12 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

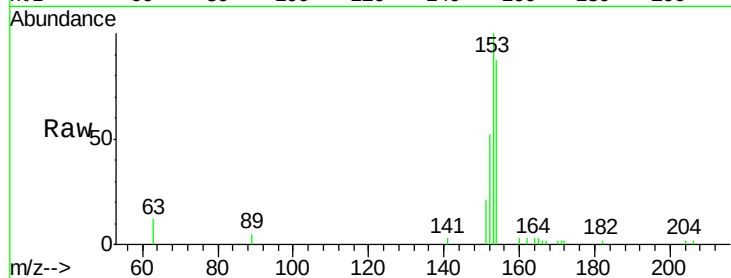
Tgt Ion:154 Resp: 2920

Ion Ratio Lower Upper

154 100

153 114.7 89.2 133.8

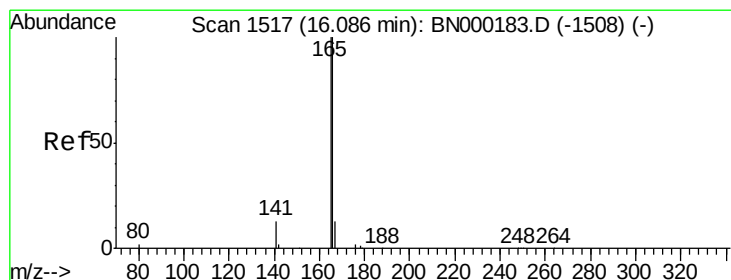
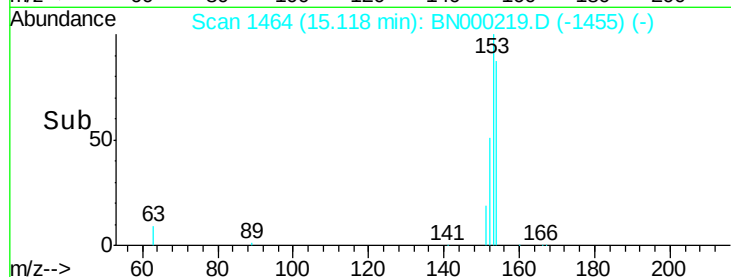
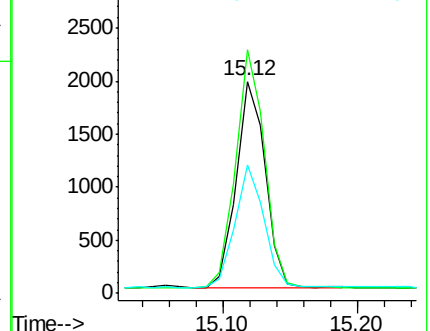
152 59.1 42.0 63.0



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



#18

Fluorene

Concen: 0.082 ng

RT: 16.09 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

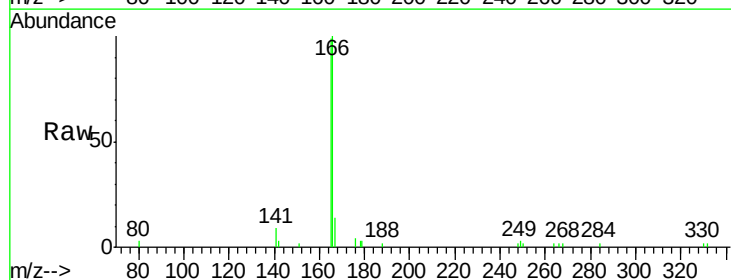
Tgt Ion:166 Resp: 3746

Ion Ratio Lower Upper

166 100

165 97.7 77.8 116.6

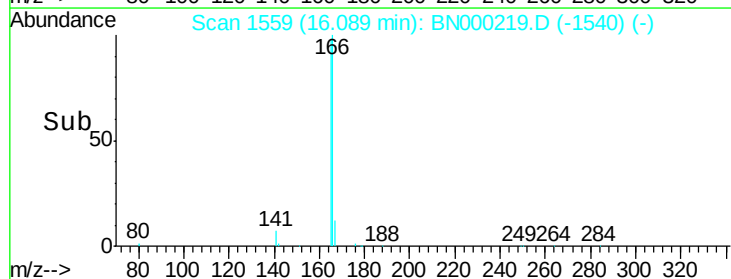
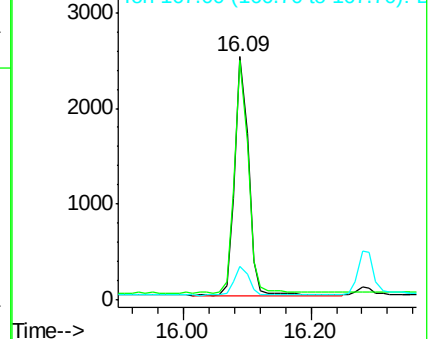
167 13.2 42.4 63.6#

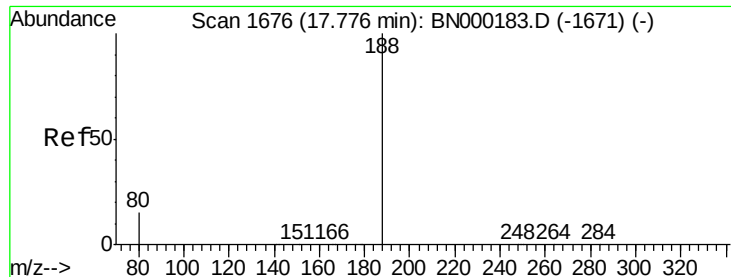


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.78 min Scan# 1718

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

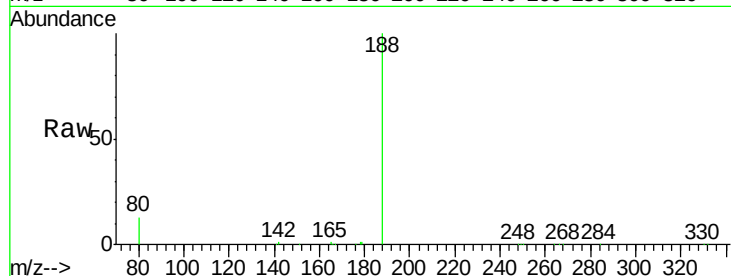
Tgt Ion:188 Resp: 24534

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

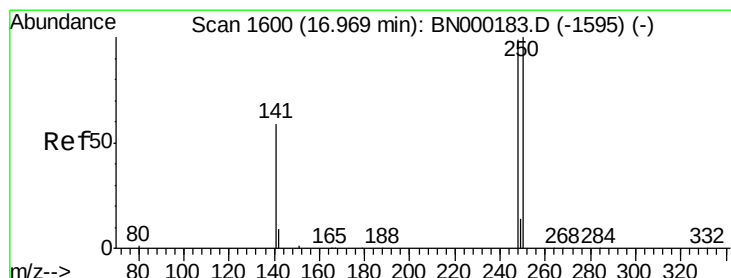
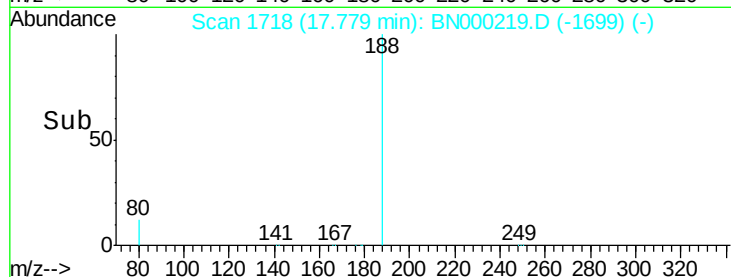
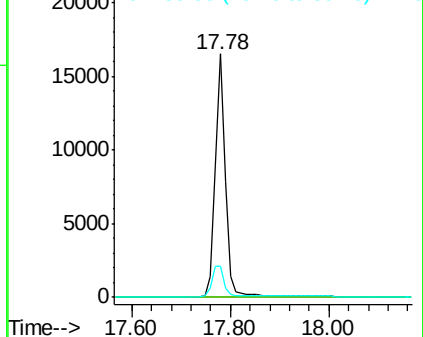
80 12.8 3.6 5.4#



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: 0.072 ng

RT: 16.96 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

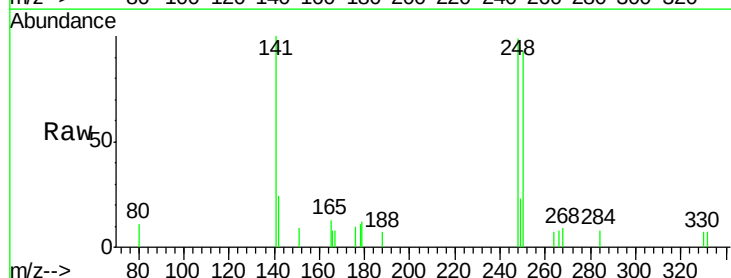
Tgt Ion:248 Resp: 1018

Ion Ratio Lower Upper

248 100

250 93.3 62.7 94.1

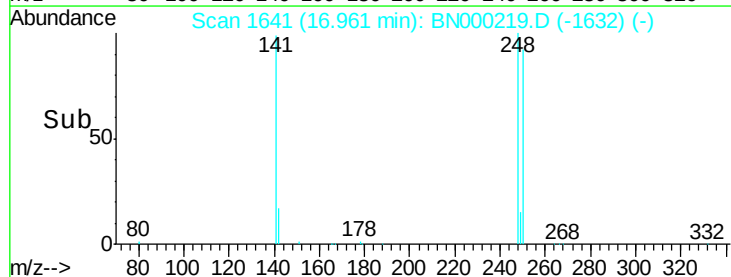
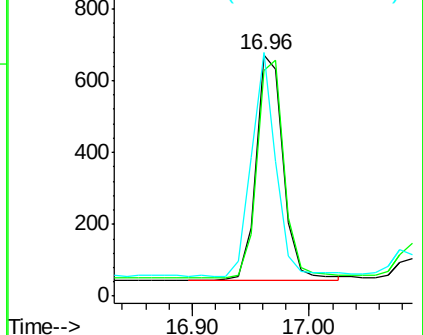
141 100.7 48.2 72.2#

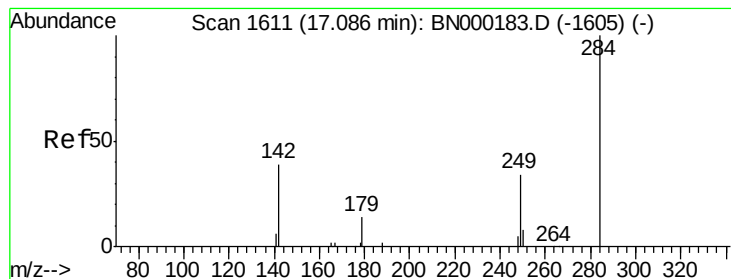


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.077 ng

RT: 17.09 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

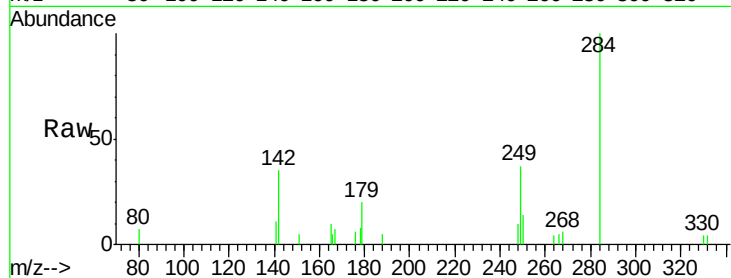
Tgt Ion:284 Resp: 1448

Ion Ratio Lower Upper

284 100

142 42.3 32.0 48.0

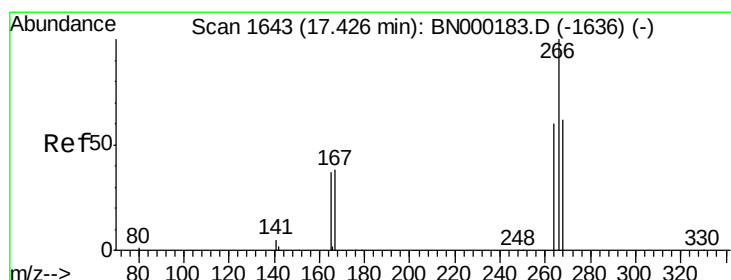
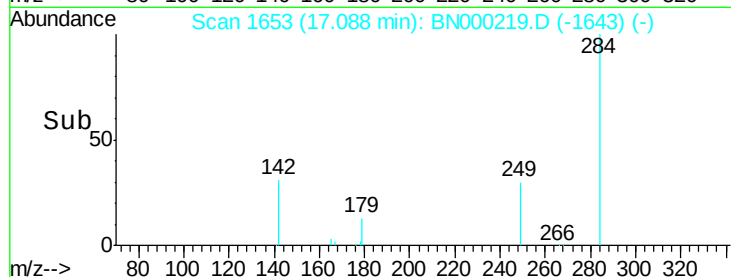
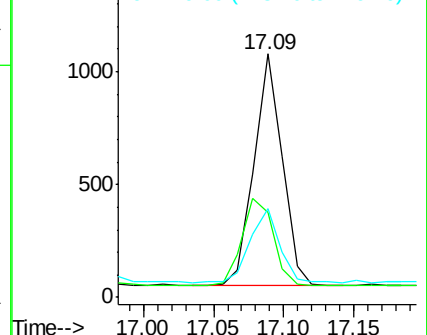
249 33.8 24.0 36.0



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: BN000219.D

Acq: 01 Mar 2018 16:11

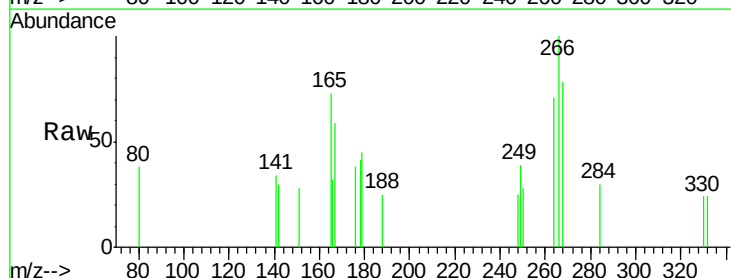
Tgt Ion:266 Resp: 267

Ion Ratio Lower Upper

266 100

264 71.1 48.0 72.0

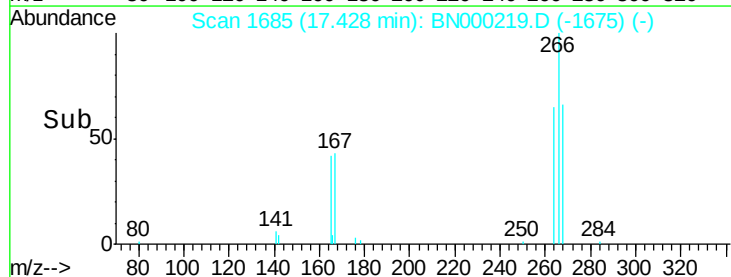
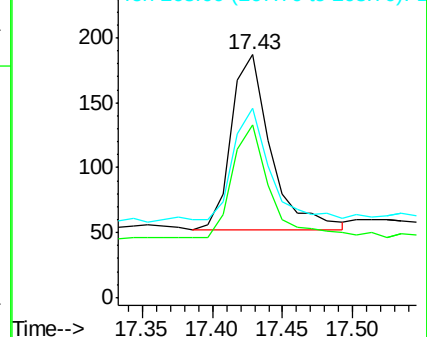
268 78.1 52.0 78.0#

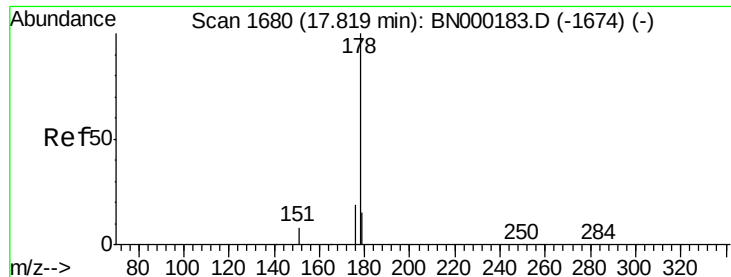


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.077 ng

RT: 17.82 min Scan# 1722

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

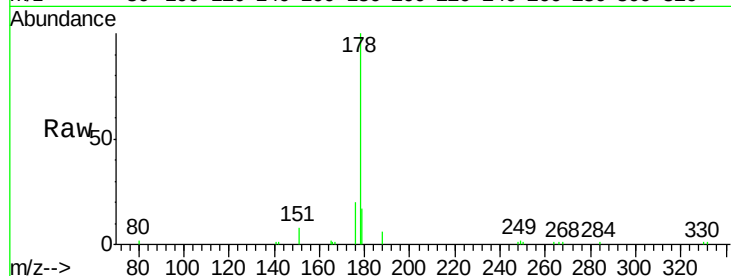
Tgt Ion:178 Resp: 6682

Ion Ratio Lower Upper

178 100

176 20.2 15.1 22.7

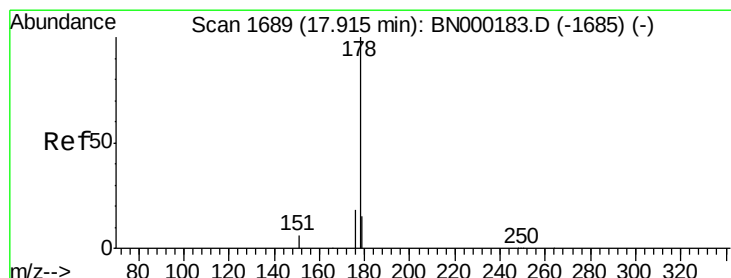
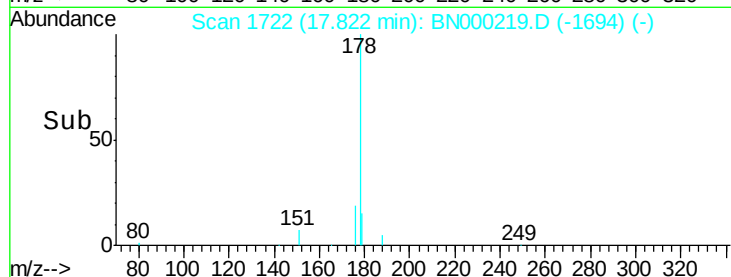
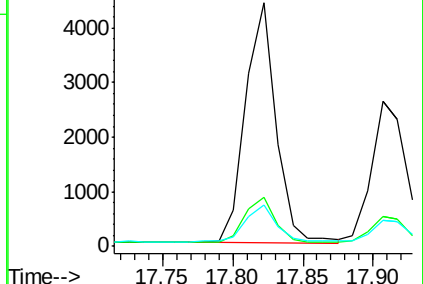
179 16.6 11.8 17.6



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: 0.069 ng

RT: 17.91 min Scan# 1730

Delta R.T. -0.01 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

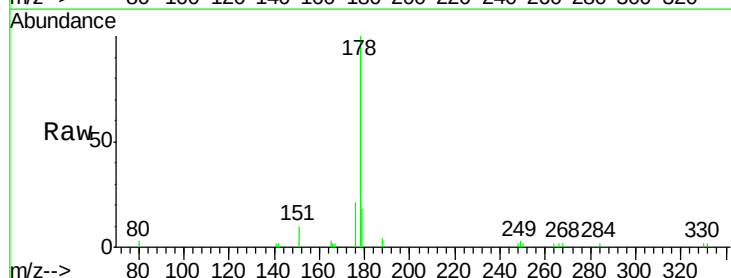
Tgt Ion:178 Resp: 4505

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

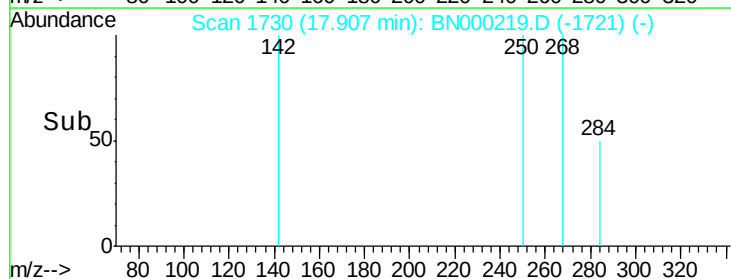
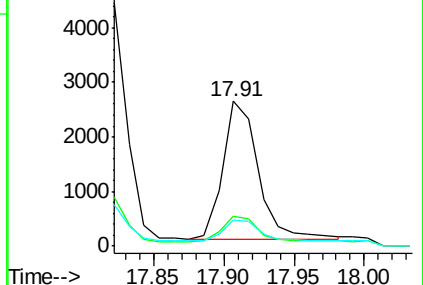
179 15.1 13.0 19.6

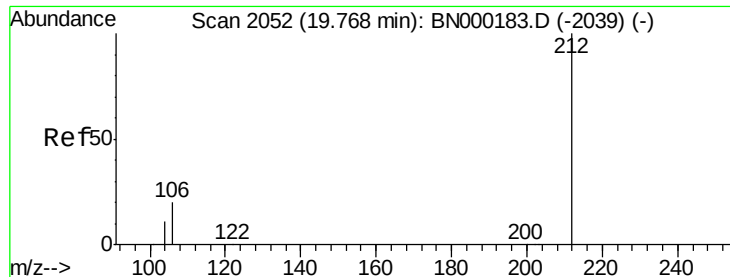


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.319 ng

RT: 19.77 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

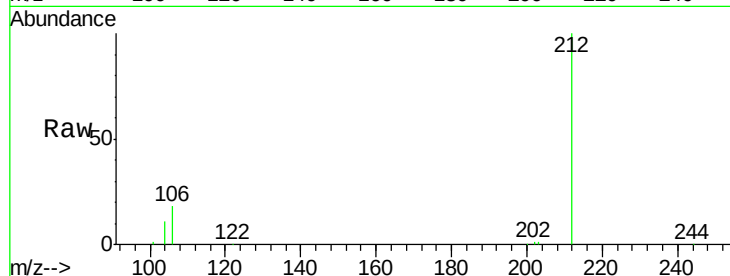
Tgt Ion:212 Resp: 20888

Ion Ratio Lower Upper

212 100

106 19.2 2.8 4.2#

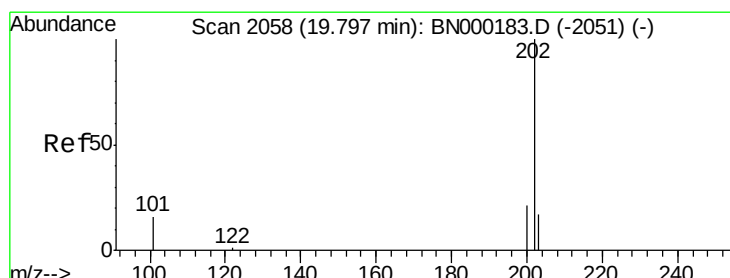
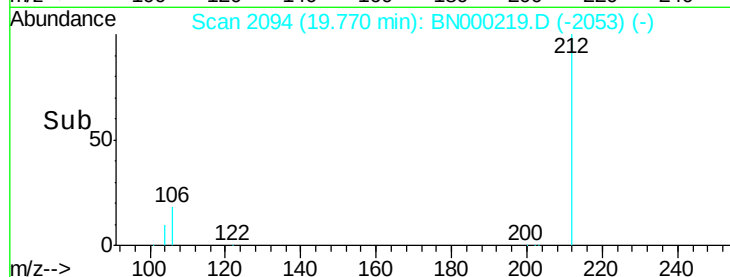
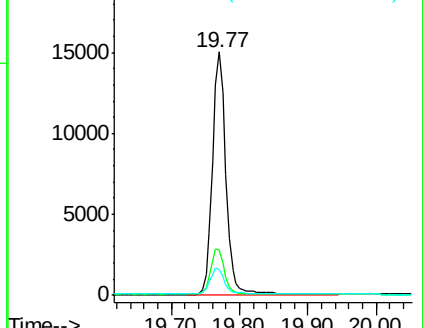
104 10.8 1.6 2.4#



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: 0.074 ng

RT: 19.80 min Scan# 2100

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

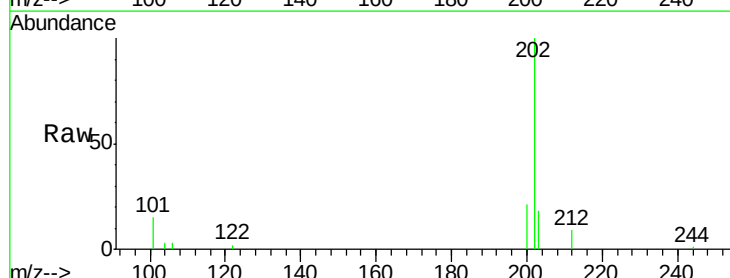
Tgt Ion:202 Resp: 6595

Ion Ratio Lower Upper

202 100

101 16.1 9.8 14.8#

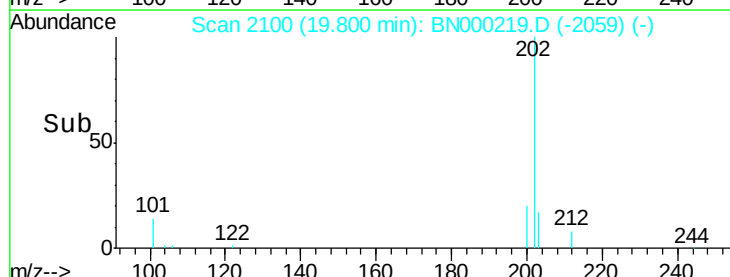
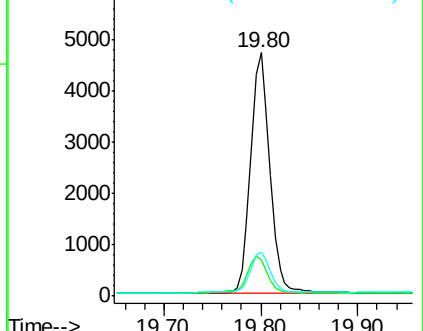
203 17.5 13.7 20.5

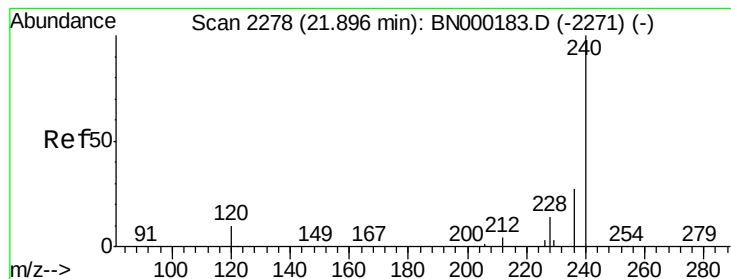


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.01 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

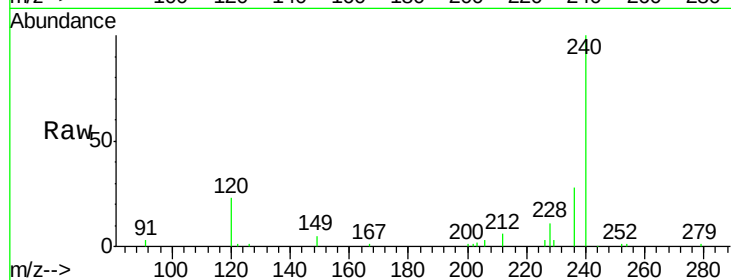
Tgt Ion:240 Resp: 19274

Ion Ratio Lower Upper

240 100

120 22.8 5.5 8.3#

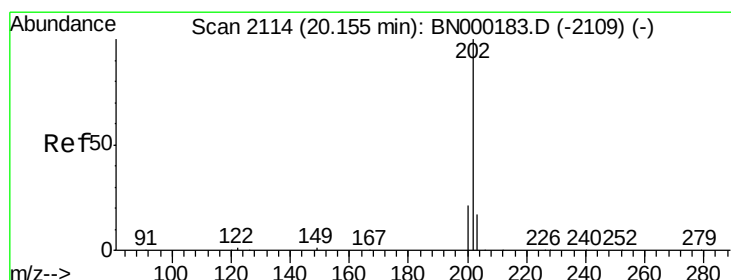
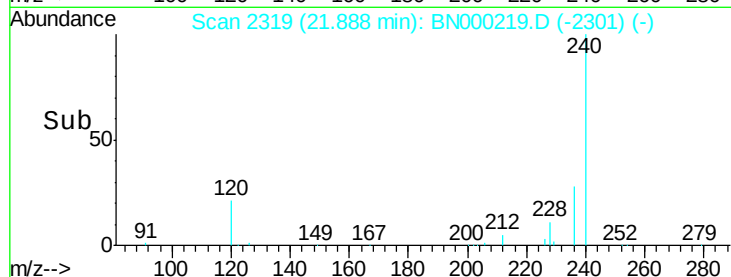
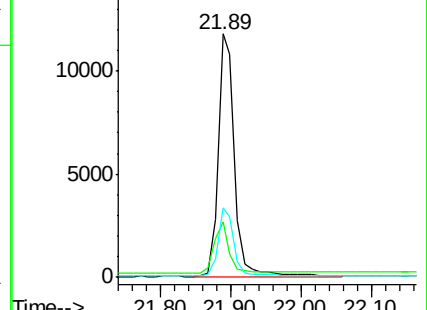
236 28.5 20.7 31.1



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: 0.088 ng

RT: 20.16 min Scan# 2156

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

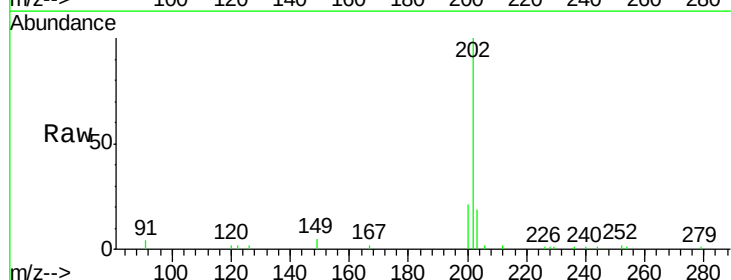
Tgt Ion:202 Resp: 6654

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

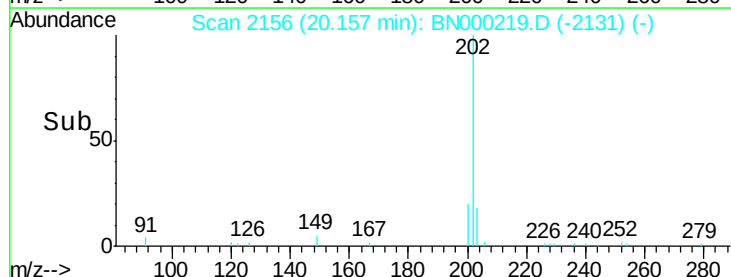
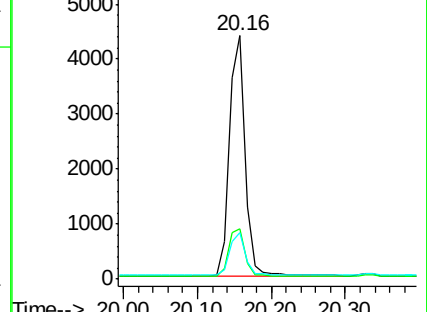
203 17.9 13.8 20.8

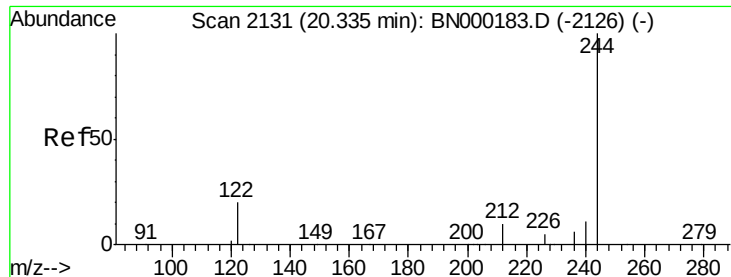


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.347 ng

RT: 20.34 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

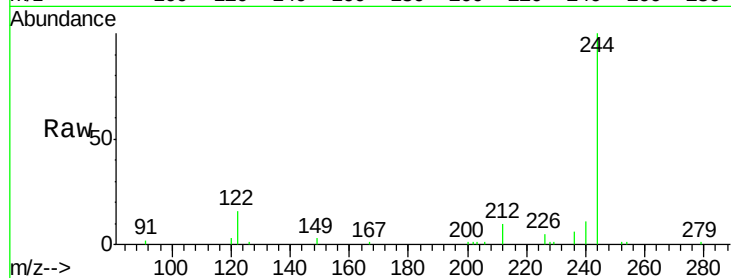
Tgt Ion:244 Resp: 11761

Ion Ratio Lower Upper

244 100

212 9.8 25.4 38.0#

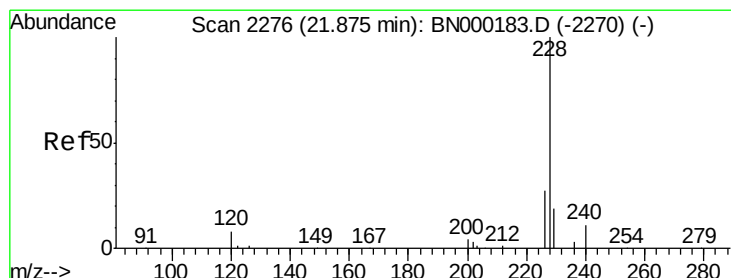
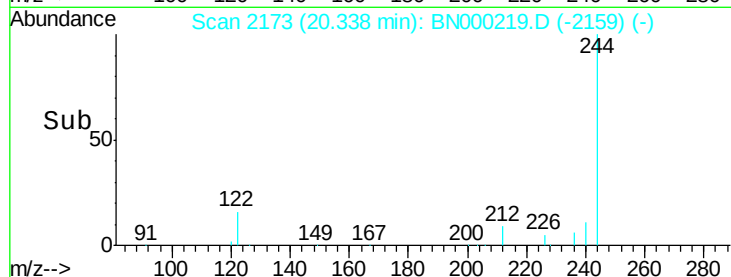
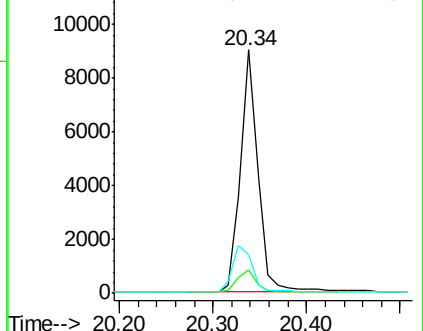
122 16.1 8.1 12.1#



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: 0.076 ng

RT: 21.88 min Scan# 2318

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

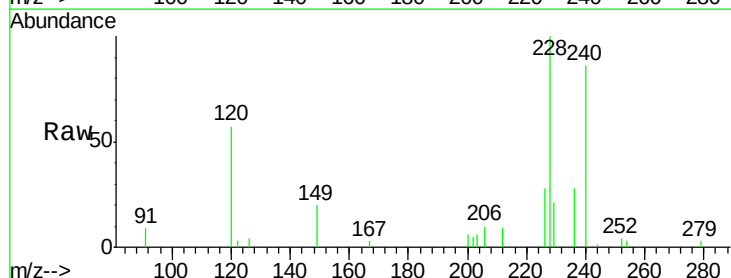
Tgt Ion:228 Resp: 4607

Ion Ratio Lower Upper

228 100

226 27.6 24.0 36.0

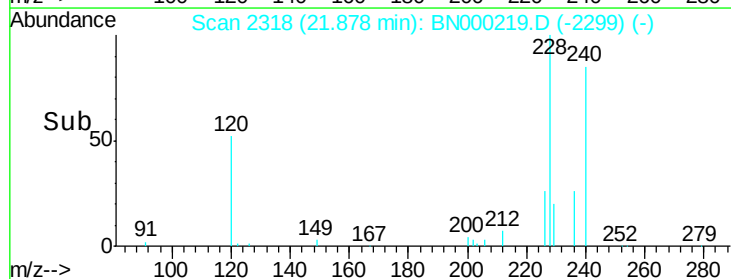
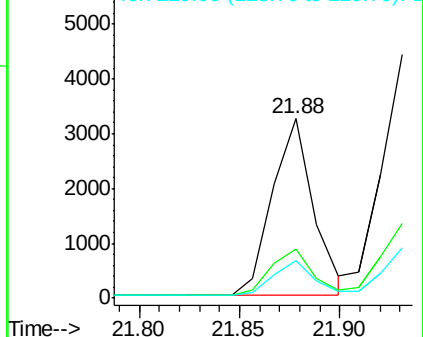
229 20.9 16.0 24.0

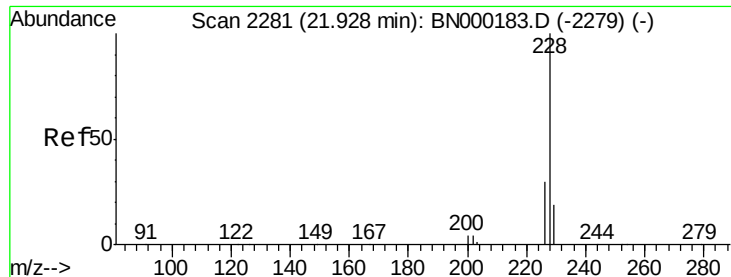


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.087 ng

RT: 21.93 min Scan# 2323

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

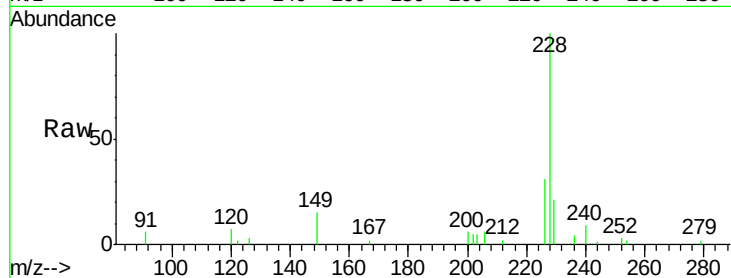
Tgt Ion:228 Resp: 6183

Ion Ratio Lower Upper

228 100

226 30.9 24.0 36.0

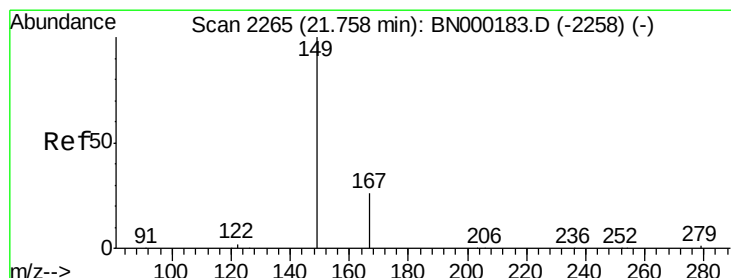
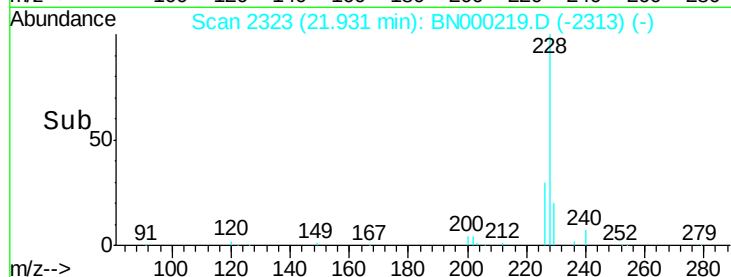
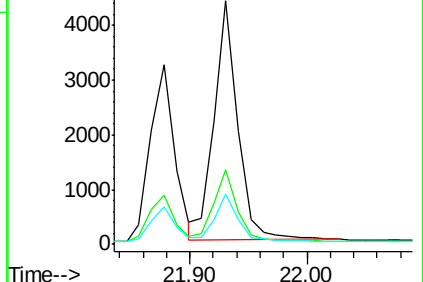
229 20.5 16.0 24.0



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: 0.082 ng

RT: 21.76 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

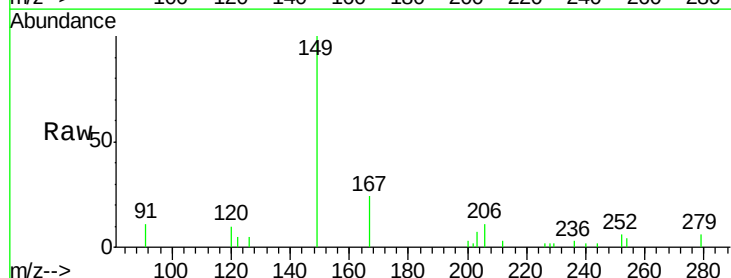
Tgt Ion:149 Resp: 1860

Ion Ratio Lower Upper

149 100

167 26.2 20.0 30.0

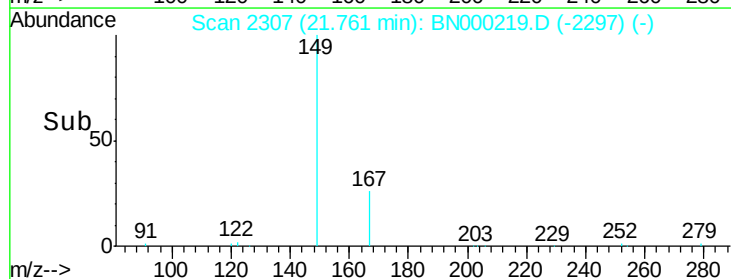
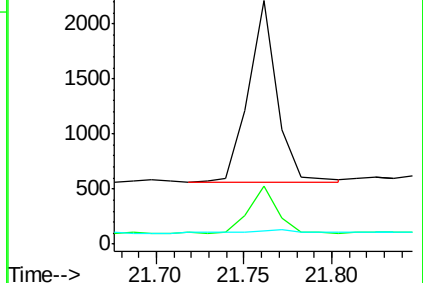
279 2.2 1.6 2.4

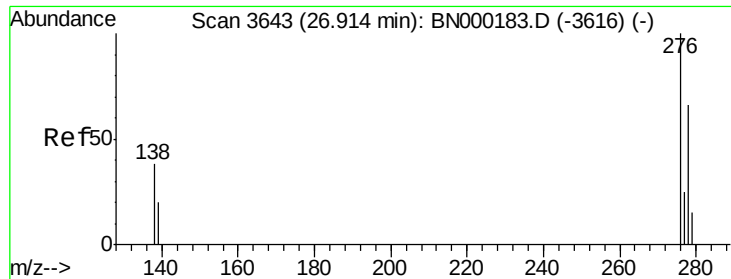


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.072 ng

RT: 26.92 min Scan# 3685

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

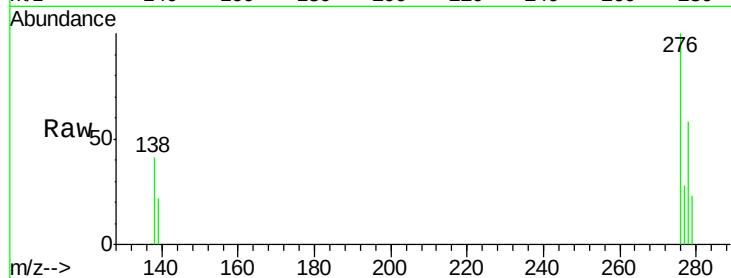
Tgt Ion:276 Resp: 4793

Ion Ratio Lower Upper

276 100

138 37.5 22.5 33.7#

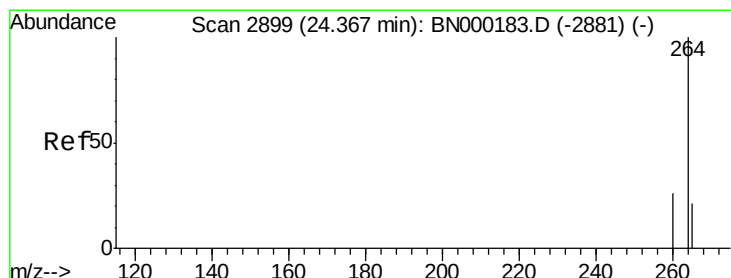
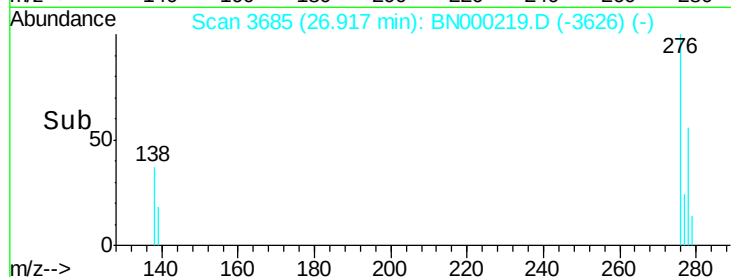
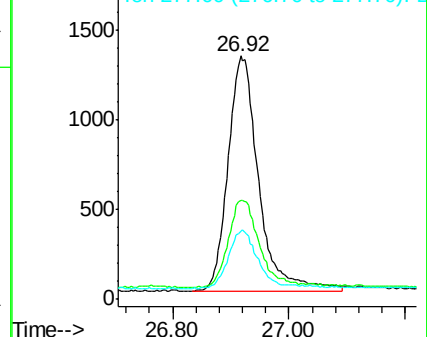
277 23.7 19.9 29.9



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: BN000219.D

Acq: 01 Mar 2018 16:11

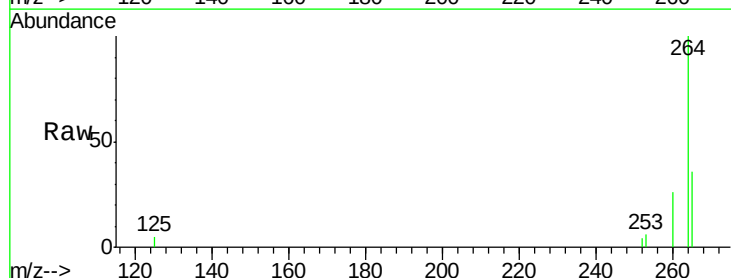
Tgt Ion:264 Resp: 15293

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

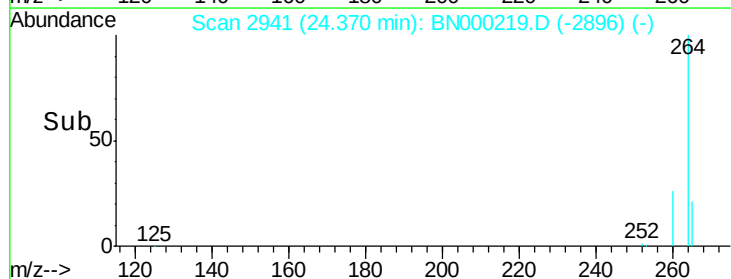
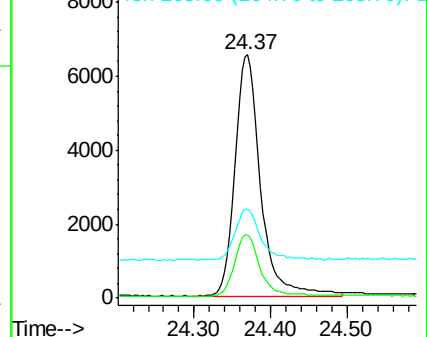
265 36.5 22.8 34.2#

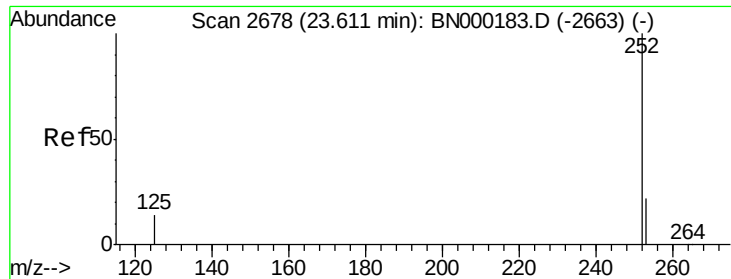


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.081 ng

RT: 23.61 min Scan# 2720

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

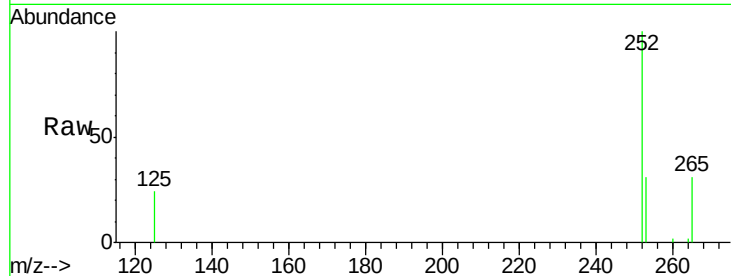
Tgt Ion:252 Resp: 5658

Ion Ratio Lower Upper

252 100

253 30.9 20.0 30.0#

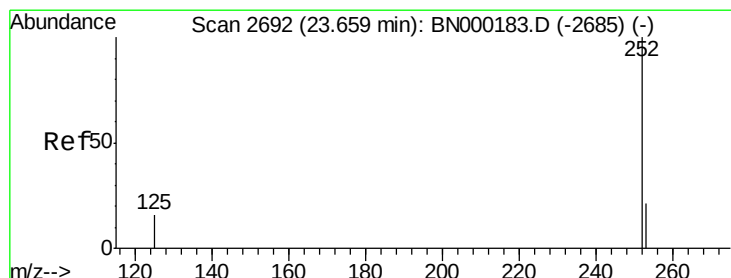
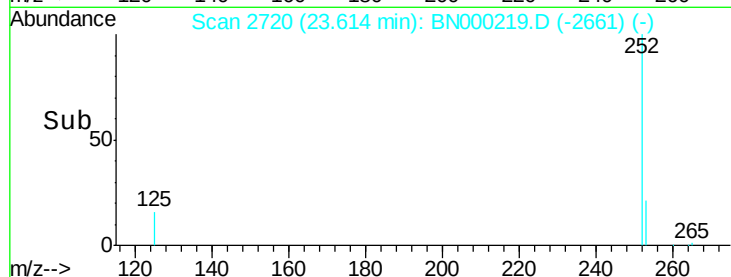
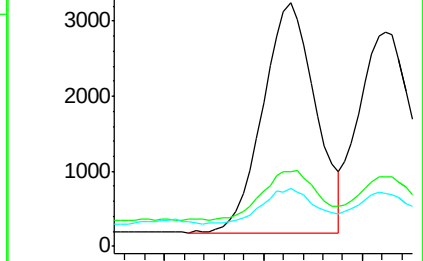
125 23.6 16.0 24.0



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: 0.077 ng

RT: 23.66 min Scan# 2734

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

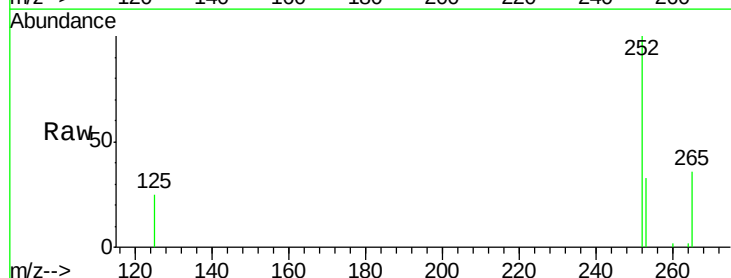
Tgt Ion:252 Resp: 5253

Ion Ratio Lower Upper

252 100

253 32.7 16.0 24.0#

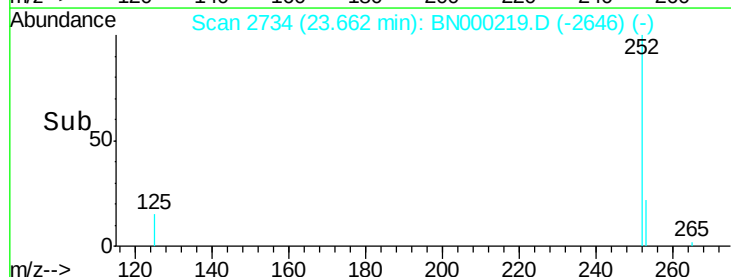
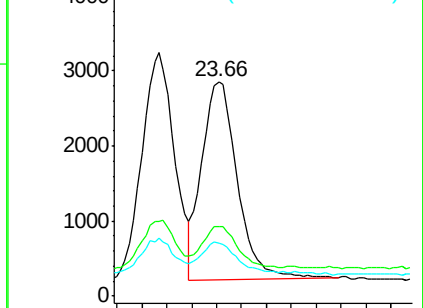
125 24.6 8.0 12.0#

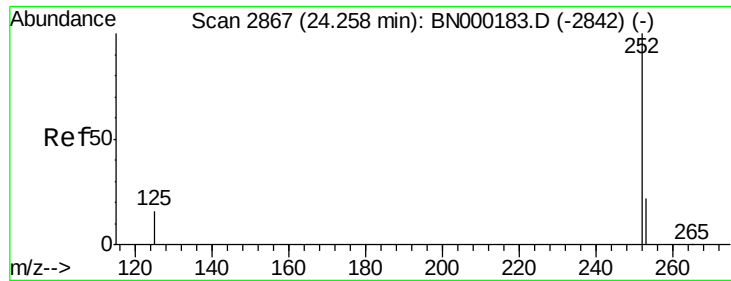


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.072 ng

RT: 24.26 min Scan# 2909

Delta R.T. 0.00 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

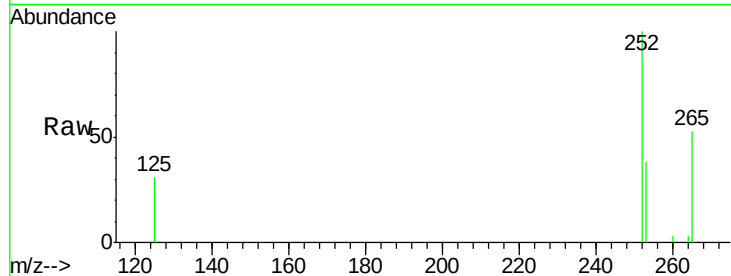
Tgt Ion:252 Resp: 4073

Ion Ratio Lower Upper

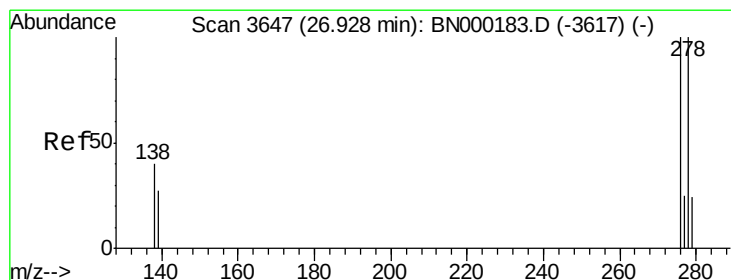
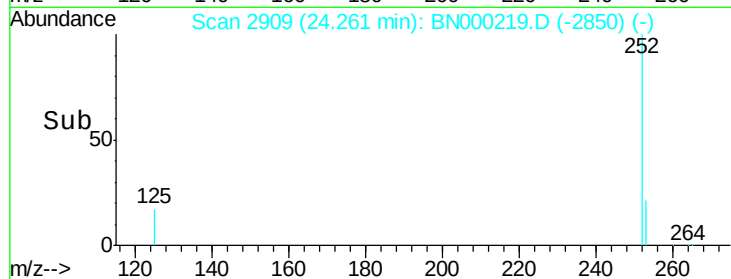
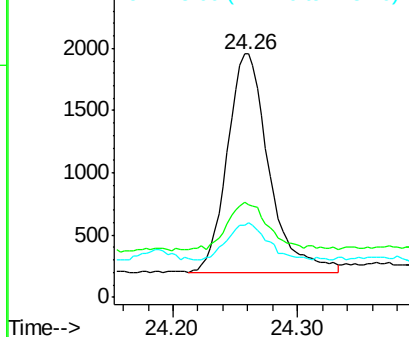
252 100

253 37.9 16.0 24.0#

125 30.6 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: 0.071 ng

RT: 26.93 min Scan# 3690

Delta R.T. 0.01 min

Lab File: BN000219.D

Acq: 01 Mar 2018 16:11

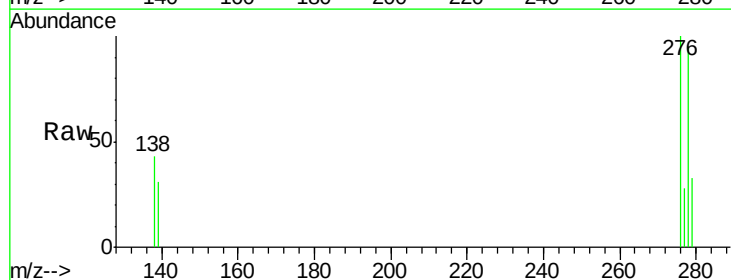
Tgt Ion:278 Resp: 3593

Ion Ratio Lower Upper

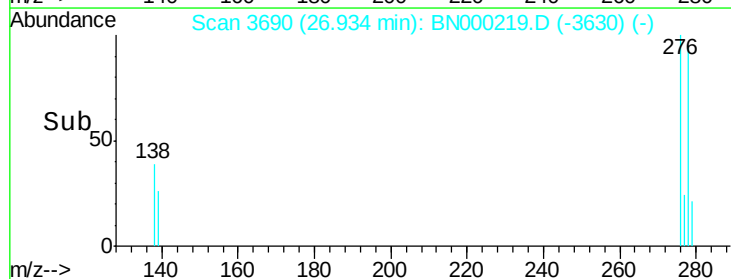
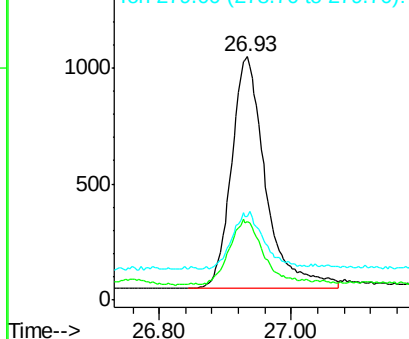
278 100

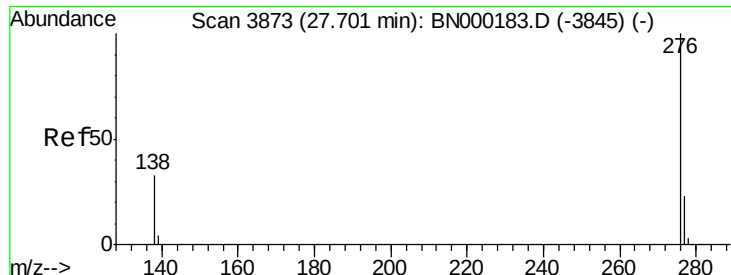
139 32.3 16.0 24.0#

279 34.4 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(g,h,i)perylene

Concen: 0.082 ng

RT: 27.70 min Scan# 3914

Delta R.T. -0.00 min

Lab File: BN000219.D

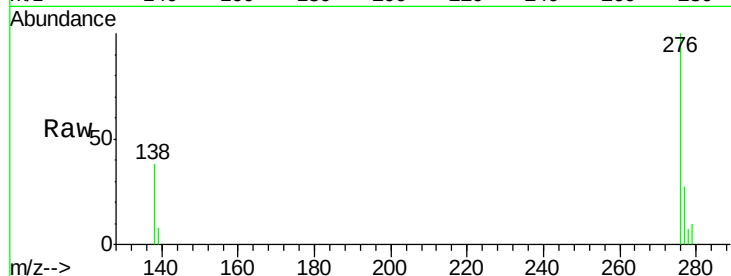
Acq: 01 Mar 2018 16:11

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018



Tgt Ion: 276 Resp: 4878

Ion Ratio Lower Upper

276 100

277 27.3 16.0 24.0#

138 37.7 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

