

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011018\
 Data File : BG031979.D
 Acq On : 10 Jan 2018 16:37
 Operator : SJ/JU
 Sample : J1042-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Jan 11 00:42:35 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 05 15:31:34 2018
 Response via : Initial Calibration

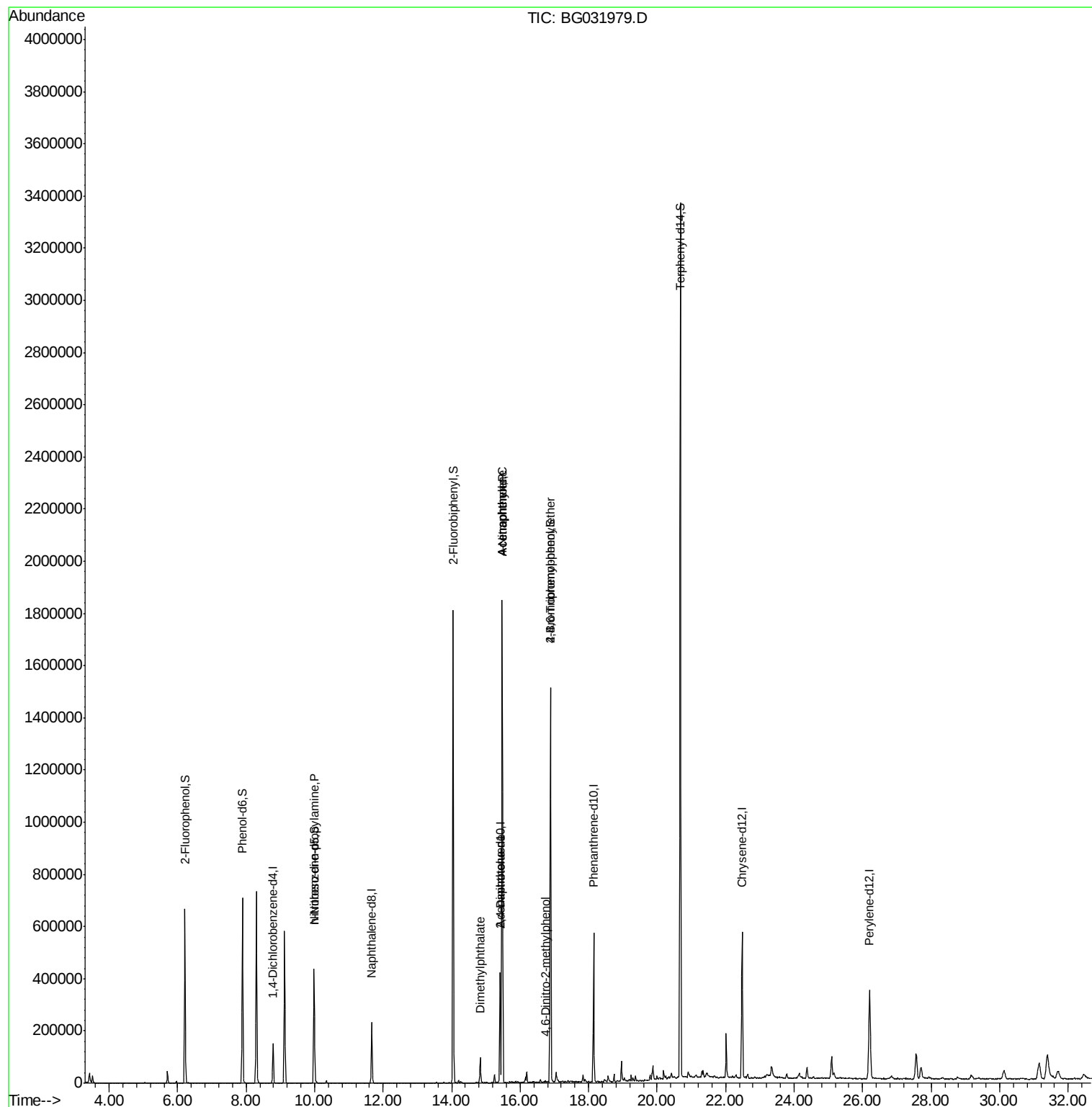
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	53853	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	235799	20.00	ng	0.00
38) Acenaphthene-d10	15.41	164	163144	20.00	ng	-0.02
63) Phenanthrene-d10	18.14	188	392504	20.00	ng	-0.02
75) Chrysene-d12	22.48	240	428345	20.00	ng	-0.04
86) Perylene-d12	26.20	264	438729	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	362478	122.60	ng	0.00
7) Phenol-d6	7.89	99	496212	129.26	ng	0.00
23) Nitrobenzene-d5	9.98	82	279960	89.65	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	369902	148.59	ng	-0.02
44) 2-Fluorobiphenyl	14.04	172	1087861	83.69	ng	-0.01
78) Terphenyl-d14	20.68	244	1896333	101.14	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.98	70	39287	14.986	ng	# 70
48) Acenaphthylene	15.48	152	415137	24.415	ng	# 1
49) Dimethylphthalate	14.84	163	71214	4.955	ng	99
51) Acenaphthene	15.48	154	789703	70.915	ng	99
55) 4-Nitrophenol	15.48	139	5867	2.794	ng	# 11
56) 2,4-Dinitrotoluene	15.41	165	21257	6.252	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.75	198	55	8.330	ng	# 1
66) 4-Bromophenyl-phenylether	16.88	248	30069	5.298	ng	# 1

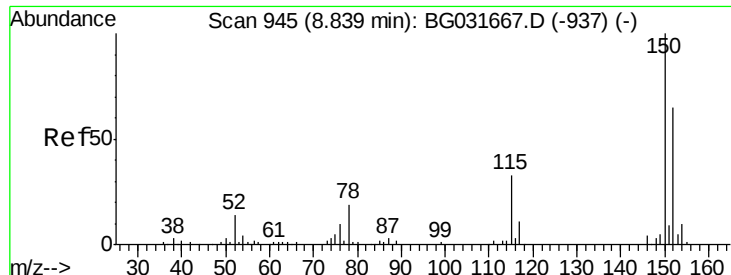
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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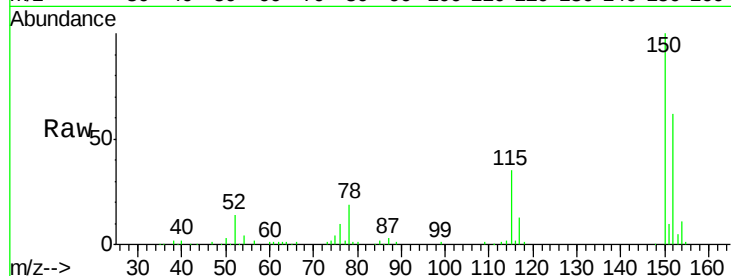


#1

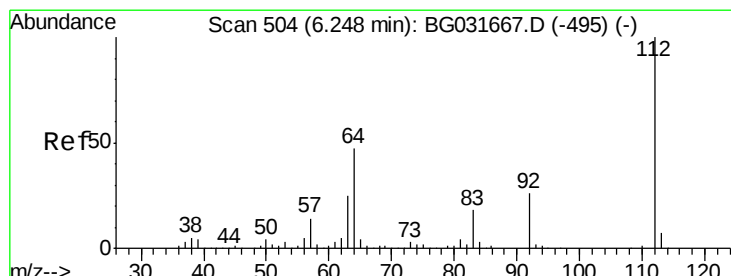
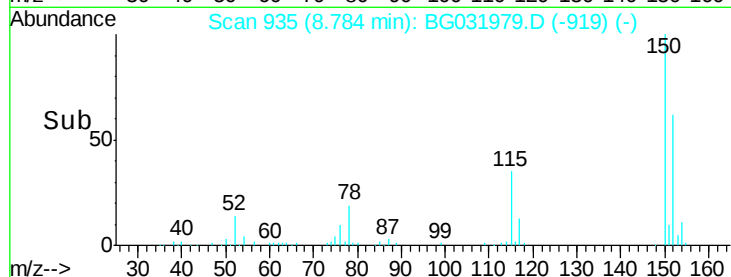
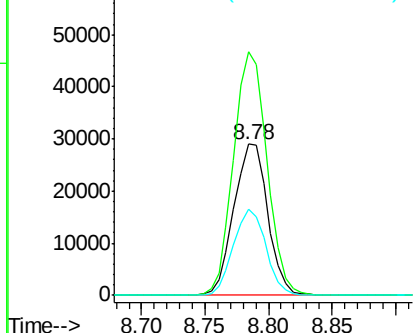
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.78 min Scan# 935
Delta R.T. -0.00 min
Lab File: BG031979.D
Acq: 10 Jan 2018 16:37

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Tot Ion:152 Resp: 53853
Ion Ratio Lower Upper
152 100
150 161.4 126.6 189.8
115 56.8 53.0 79.4



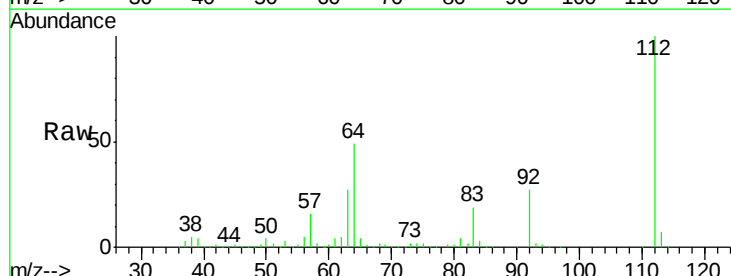
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



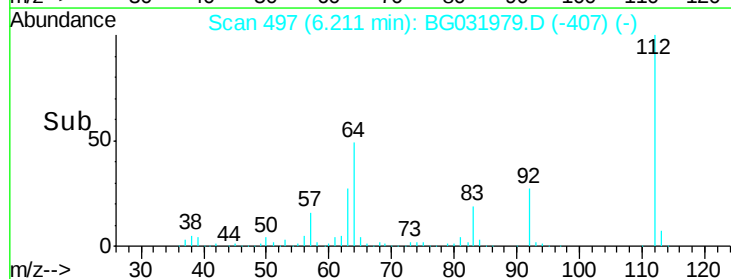
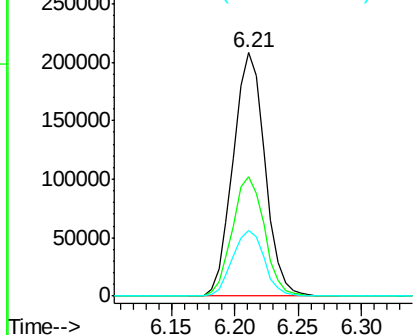
#5

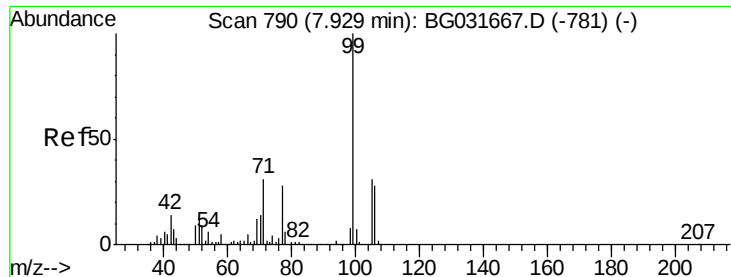
2-Fluorophenol
Concen: 122.595 ng
RT: 6.21 min Scan# 497
Delta R.T. 0.00 min
Lab File: BG031979.D
Acq: 10 Jan 2018 16:37

Tgt Ion:112 Resp: 362478
Ion Ratio Lower Upper
112 100
64 48.8 56.3 84.5#
63 26.8 30.1 45.1#



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





#7

Phenol-d6

Concen: 129.263 ng

RT: 7.89 min Scan# 783

Delta R.T. 0.00 min

Lab File: BG031979.D

Acq: 10 Jan 2018 16:37

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

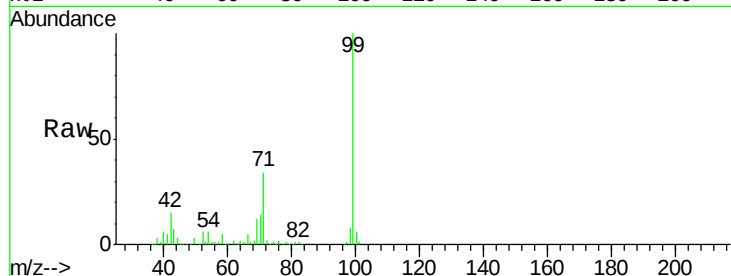
Tot Ion: 99 Resp: 496212

Ion Ratio Lower Upper

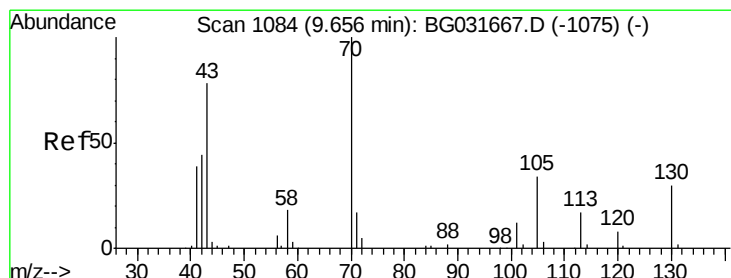
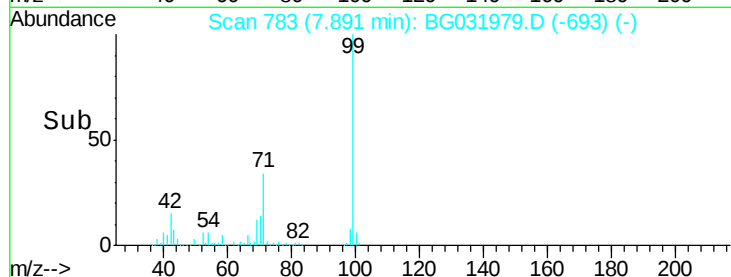
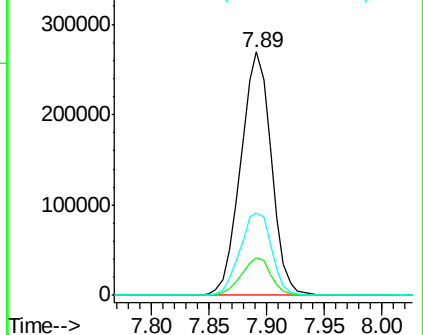
99 100

42 15.2 14.1 21.1

71 33.8 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.986 ng

RT: 9.98 min Scan# 1139

Delta R.T. 0.38 min

Lab File: BG031979.D

Acq: 10 Jan 2018 16:37

Tgt Ion: 70 Resp: 39287

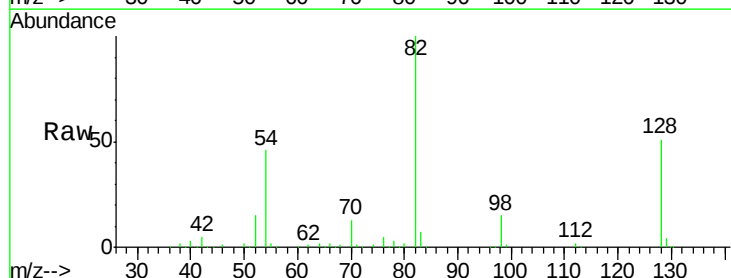
Ion Ratio Lower Upper

70 100

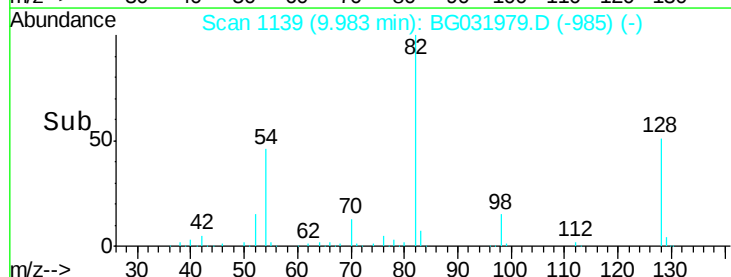
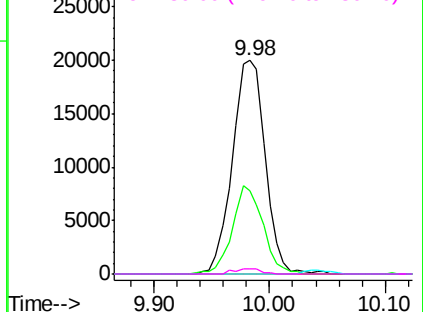
42 39.1 49.1 73.7#

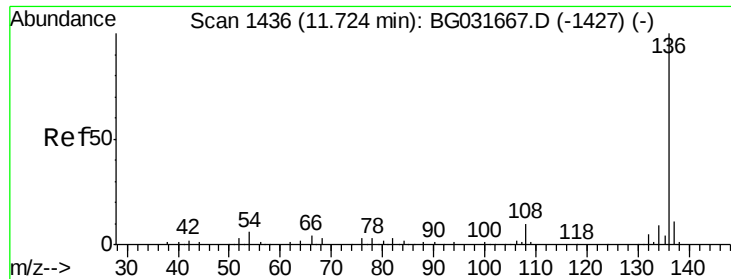
101 0.0 8.5 12.7#

130 2.6 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

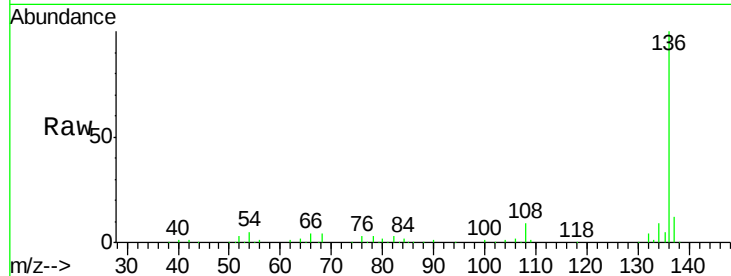




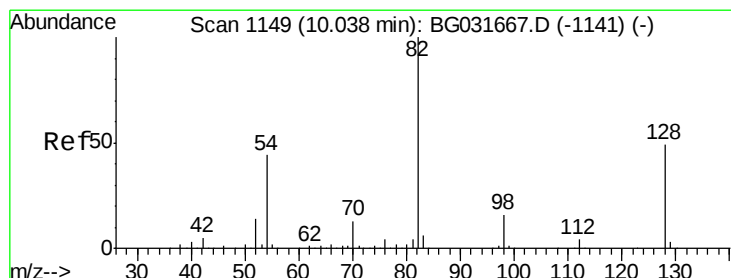
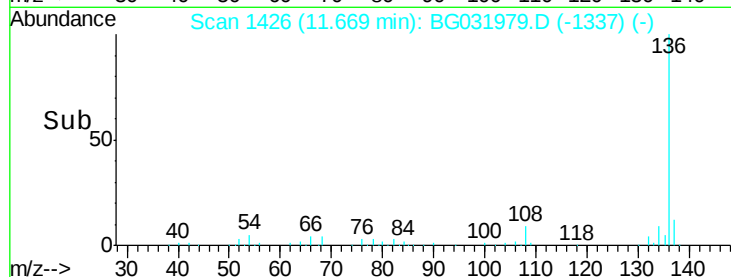
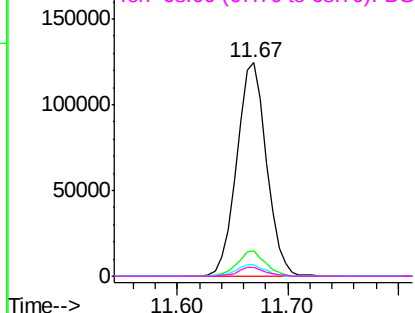
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BG031979.D
Acq: 10 Jan 2018 16:37

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Tot Ion:136	Resp:	235799
Ion Ratio	Lower	Upper
136	100	
137	11.9	9.2 13.8
54	5.3	10.3 15.5#
68	3.9	4.5 6.7#

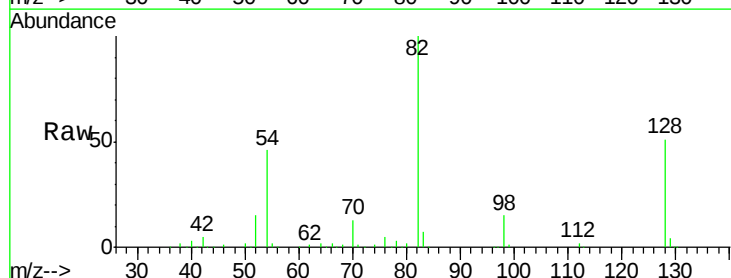


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

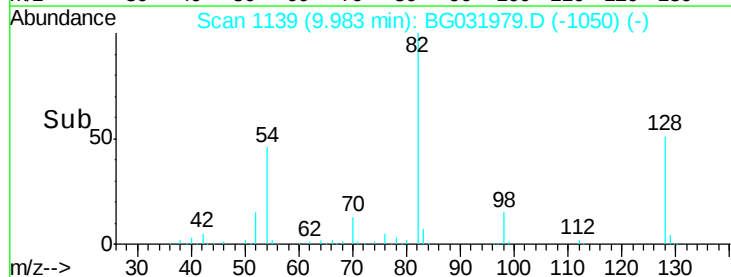
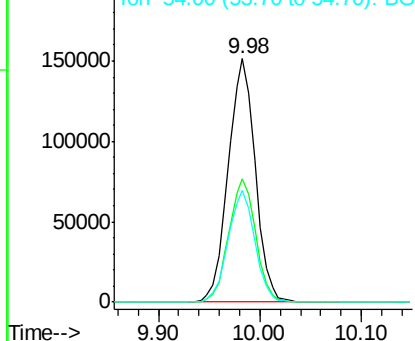


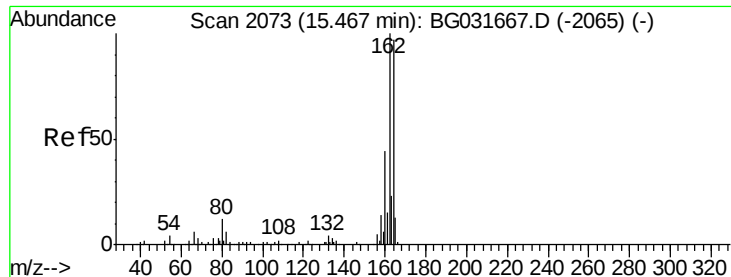
#23
Nitrobenzene-d5
Concen: 89.654 ng
RT: 9.98 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BG031979.D
Acq: 10 Jan 2018 16:37

Tgt Ion: 82	Resp:	279960
Ion Ratio	Lower	Upper
82	100	
128	50.9	29.7 44.5#
54	46.1	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

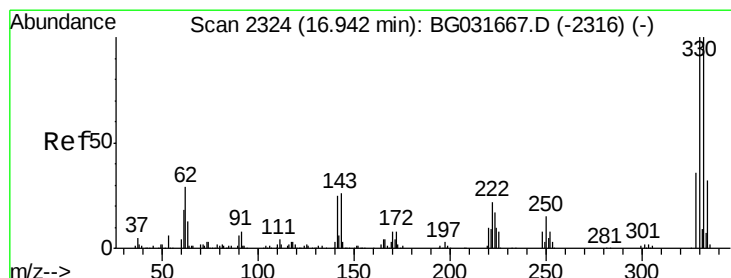
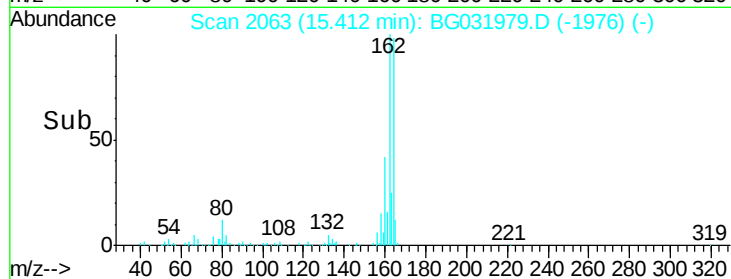
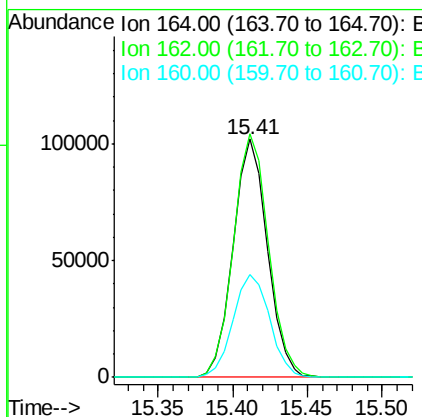
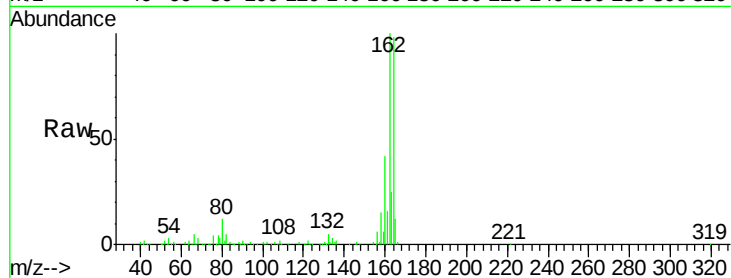




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2063
 Delta R.T. -0.02 min
 Lab File: BG031979.D
 Acq: 10 Jan 2018 16:37

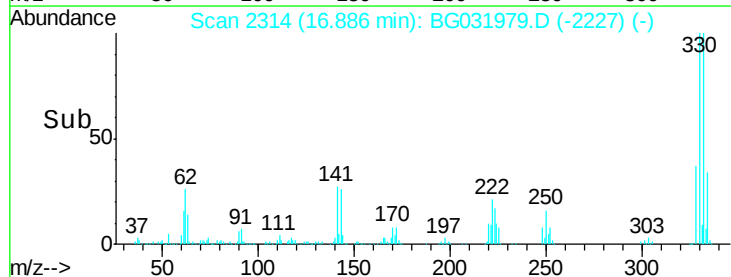
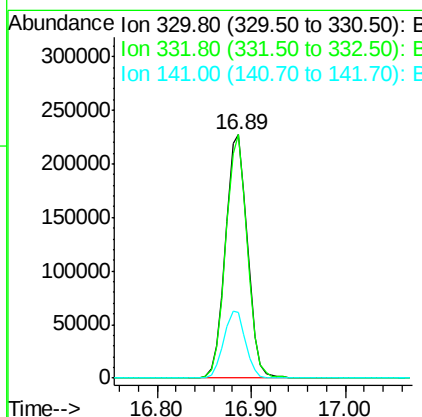
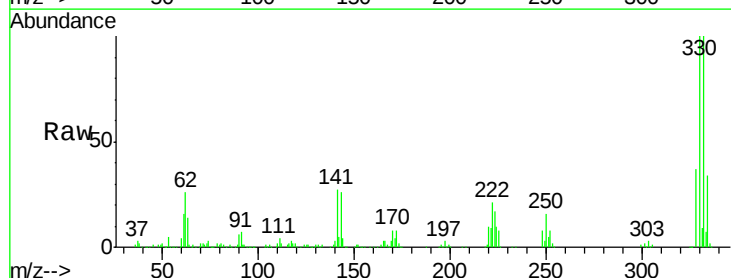
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

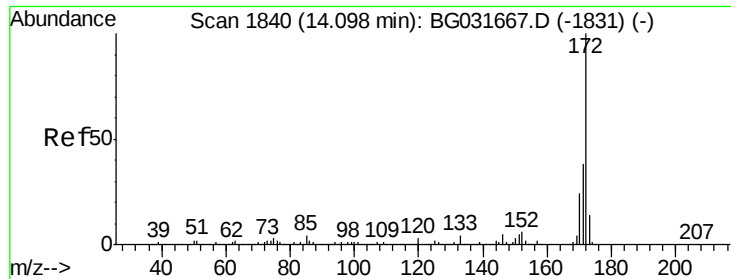
Tot Ion:164 Resp: 163144
 Ion Ratio Lower Upper
 164 100
 162 102.1 78.8 118.2
 160 42.9 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 148.594 ng
 RT: 16.89 min Scan# 2314
 Delta R.T. -0.02 min
 Lab File: BG031979.D
 Acq: 10 Jan 2018 16:37

Tgt Ion:330 Resp: 369902
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 27.5 25.2 37.8

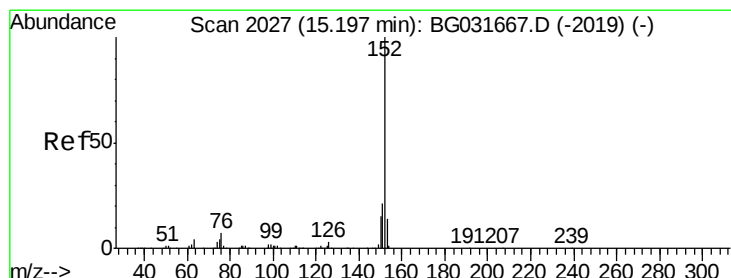
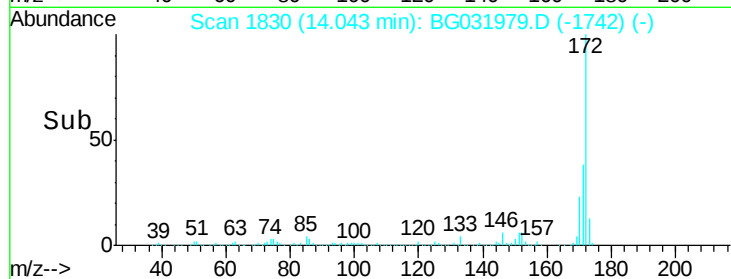
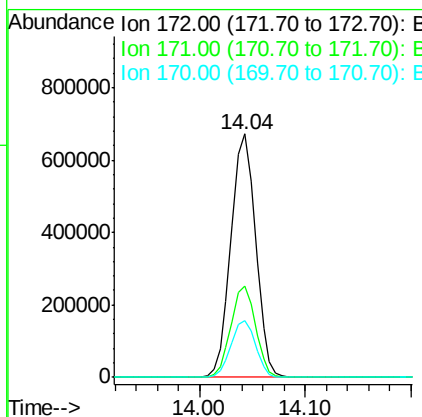
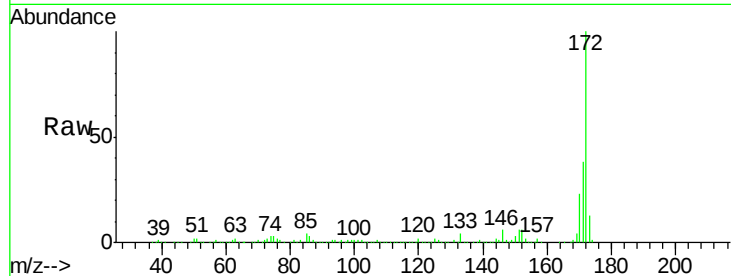




#44
2-Fluorobiphenyl
Concen: 83.694 ng
RT: 14.04 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BG031979.D
Acq: 10 Jan 2018 16:37

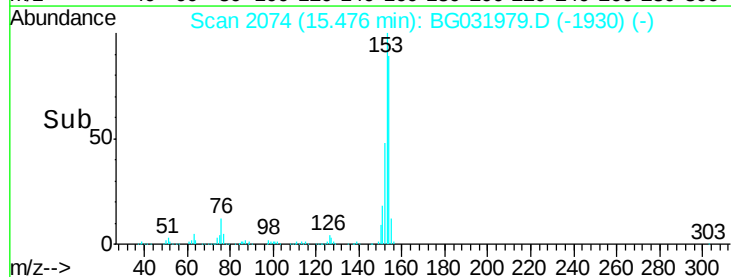
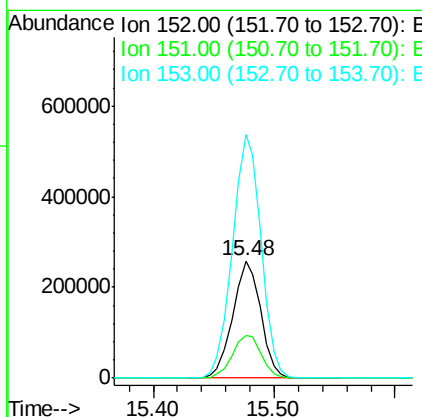
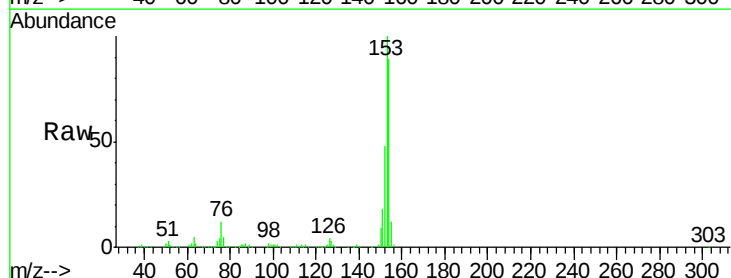
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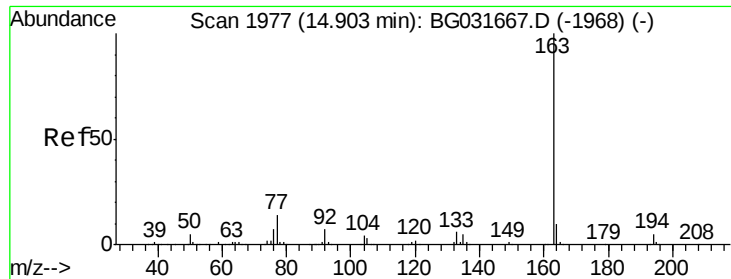
Tot Ion:172 Resp: 1087861
Ion Ratio Lower Upper
172 100
171 37.7 30.0 45.0
170 23.4 19.5 29.3



#48
Acenaphthylene
Concen: 24.415 ng
RT: 15.48 min Scan# 2074
Delta R.T. 0.32 min
Lab File: BG031979.D
Acq: 10 Jan 2018 16:37

Tgt Ion:152 Resp: 415137
Ion Ratio Lower Upper
152 100
151 36.5 17.2 25.8#
153 208.1 10.2 15.4#





#49

Dimethylphthalate

Concen: 4.955 ng

RT: 14.84 min Scan# 1965

Delta R.T. -0.02 min

Lab File: BG031979.D

Acq: 10 Jan 2018 16:37

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

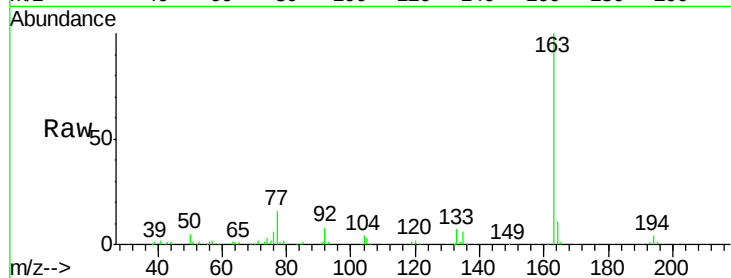
Tot Ion:163 Resp: 71214

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

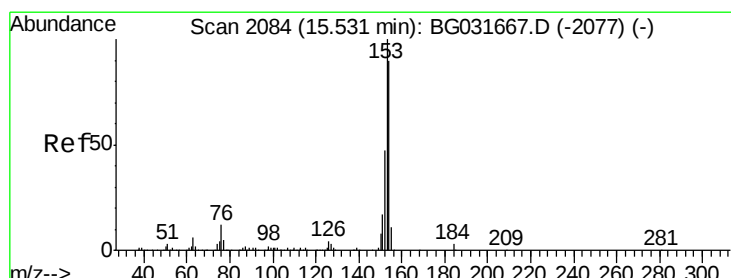
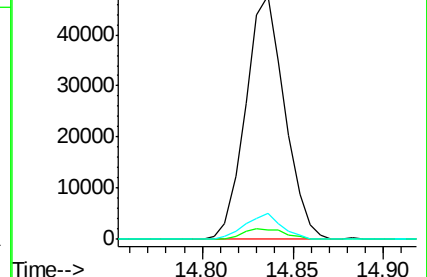
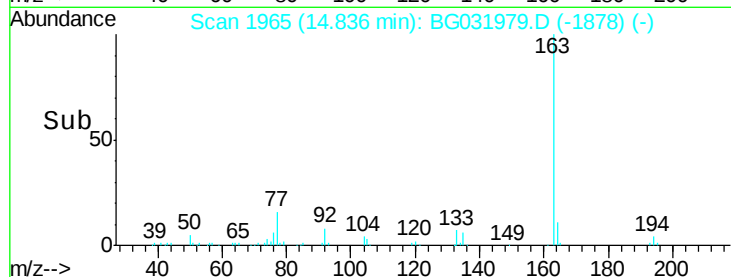
164 10.8 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 70.915 ng

RT: 15.48 min Scan# 2074

Delta R.T. -0.02 min

Lab File: BG031979.D

Acq: 10 Jan 2018 16:37

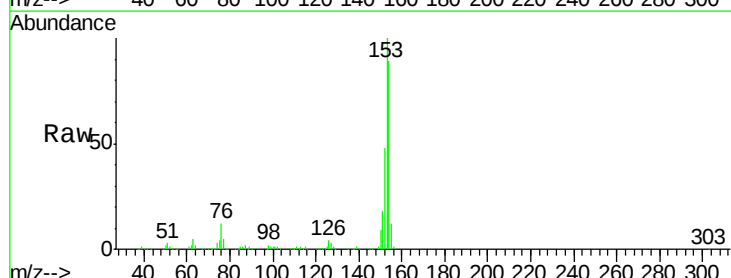
Tgt Ion:154 Resp: 789703

Ion Ratio Lower Upper

154 100

153 112.0 90.4 135.6

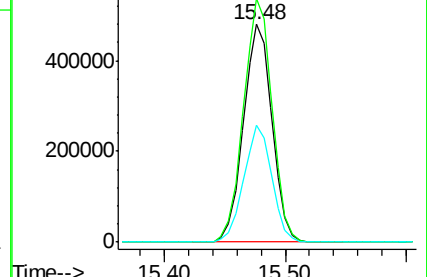
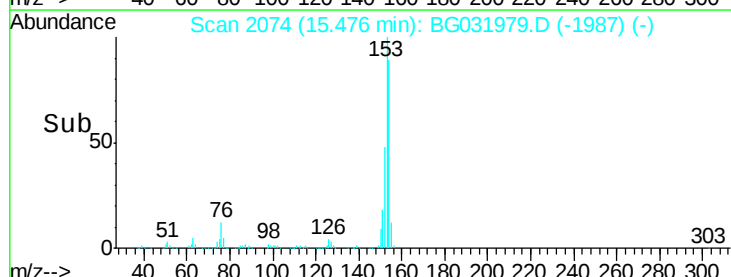
152 53.8 41.6 62.4

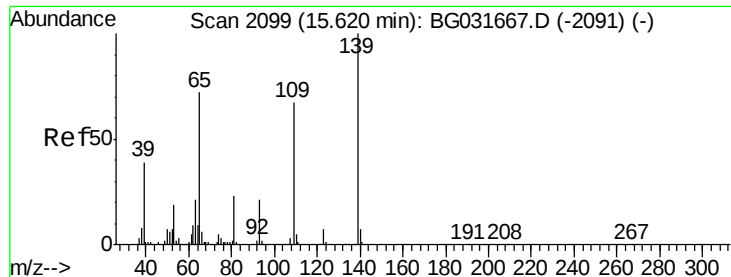


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

4-Nitrophenol

Concen: 2.794 ng

RT: 15.48 min Scan# 2074

Delta R.T. -0.11 min

Lab File: BG031979.D

Acq: 10 Jan 2018 16:37

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

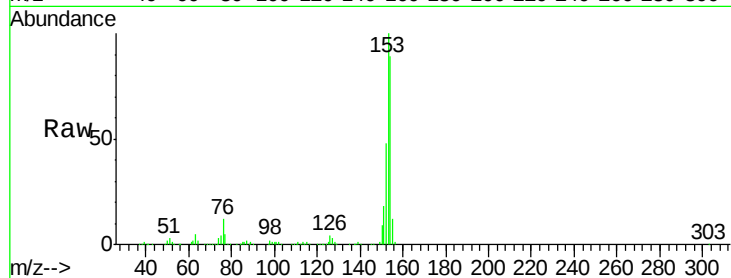
Tot Ion:139 Resp: 5867

Ion Ratio Lower Upper

139 100

109 25.0 62.2 102.2#

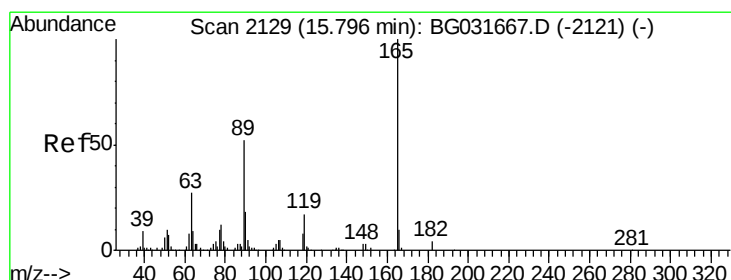
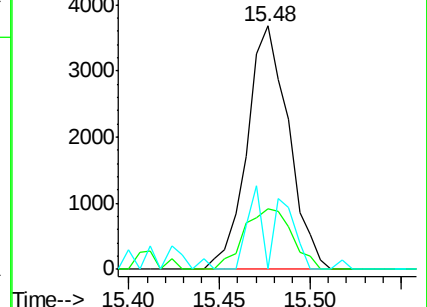
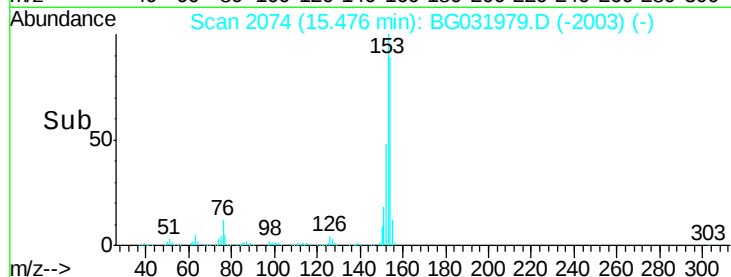
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 6.252 ng

RT: 15.41 min Scan# 2063

Delta R.T. -0.35 min

Lab File: BG031979.D

Acq: 10 Jan 2018 16:37

Tgt Ion:165 Resp: 21257

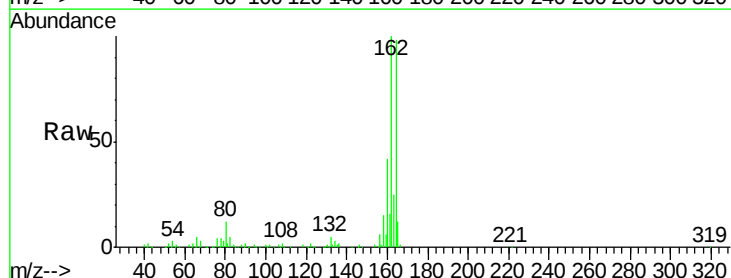
Ion Ratio Lower Upper

165 100

63 1.4 42.0 63.0#

89 1.3 66.9 100.3#

182 0.0 2.6 3.8#

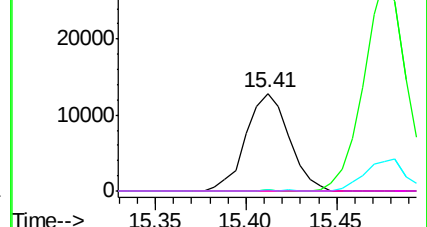
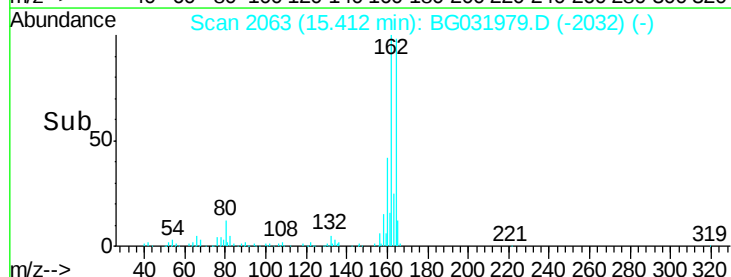


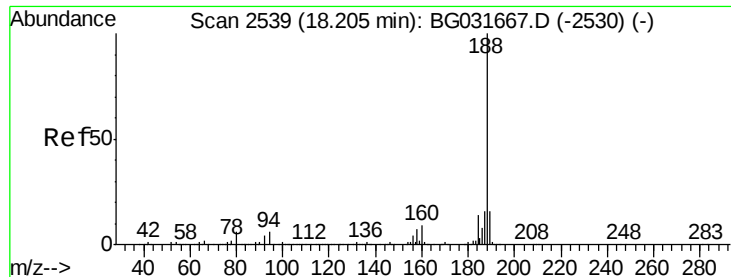
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

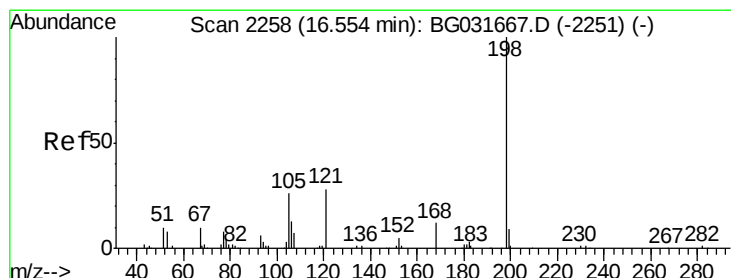
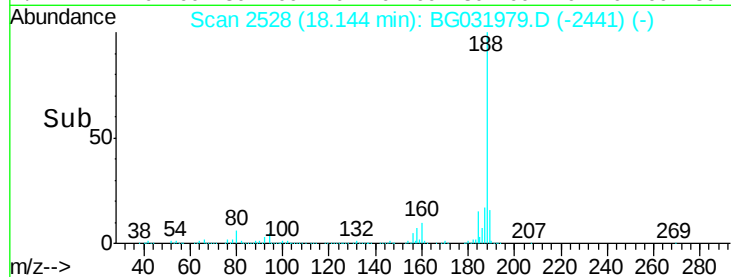
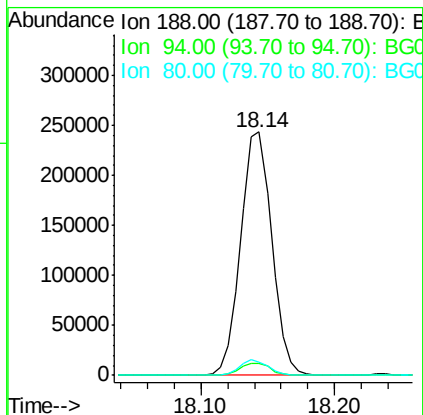
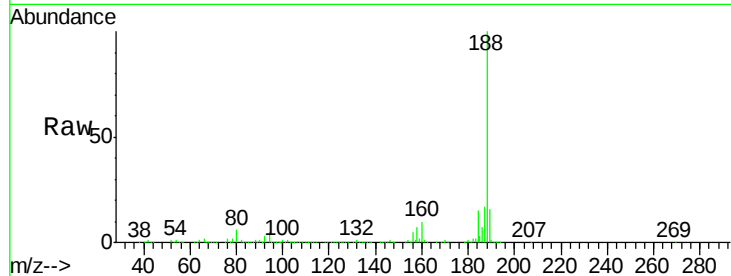




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.14 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BG031979.D
Acq: 10 Jan 2018 16:37

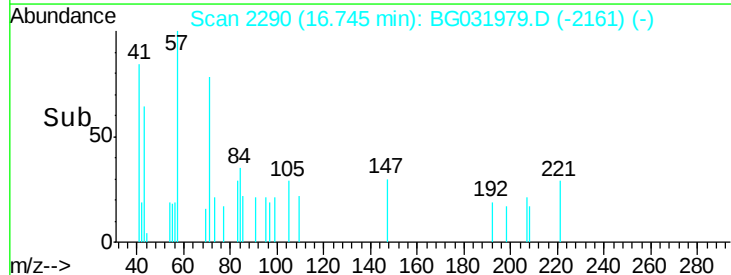
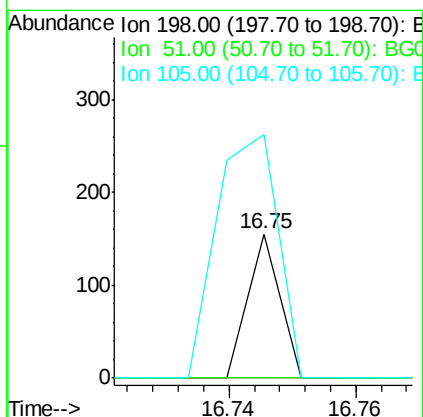
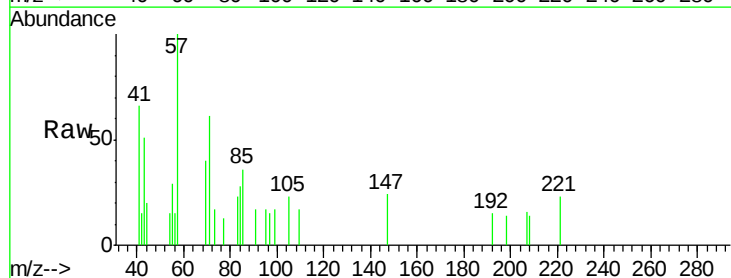
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

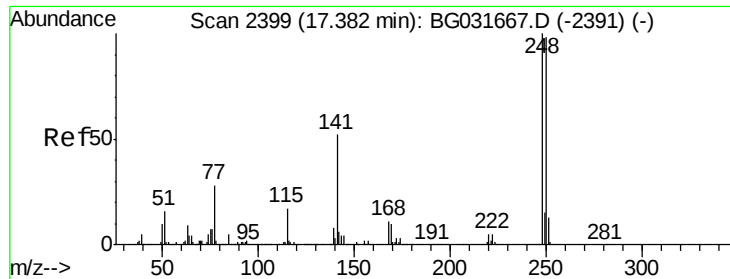
Tot Ion:188 Resp: 392504
Ion Ratio Lower Upper
188 100
94 5.0 6.9 10.3#
80 5.7 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.330 ng
RT: 16.75 min Scan# 2290
Delta R.T. 0.23 min
Lab File: BG031979.D
Acq: 10 Jan 2018 16:37

Tgt Ion:198 Resp: 55
Ion Ratio Lower Upper
198 100
51 0.0 30.6 70.6#
105 169.0 23.8 63.8#

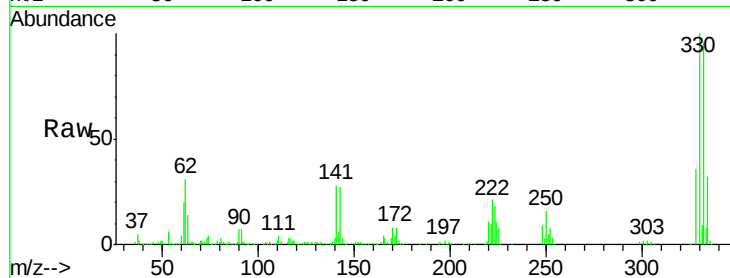




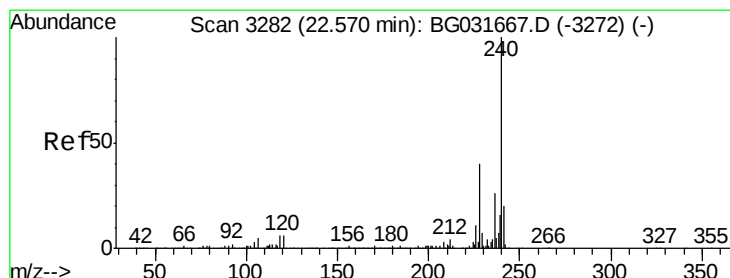
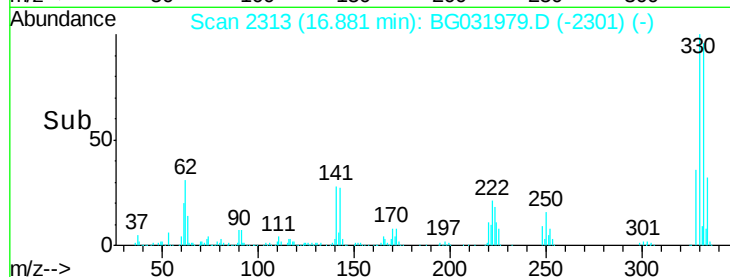
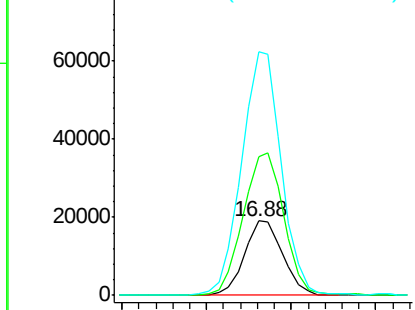
#66
4-Bromophenyl-phenylether
Concen: 5.298 ng
RT: 16.88 min Scan# 2313
Delta R.T. -0.46 min
Lab File: BG031979.D
Acq: 10 Jan 2018 16:37

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Tot Ion:248 Resp: 30069
Ion Ratio Lower Upper
248 100
250 186.0 77.1 115.7#
141 327.0 50.8 76.2#

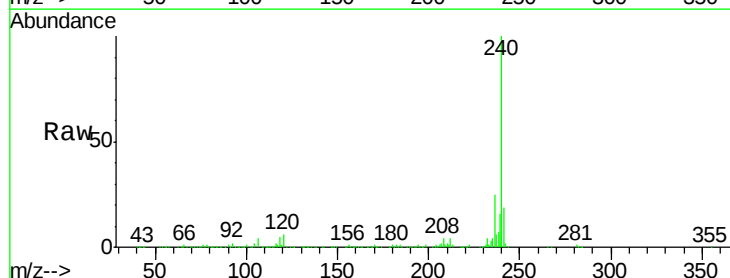


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

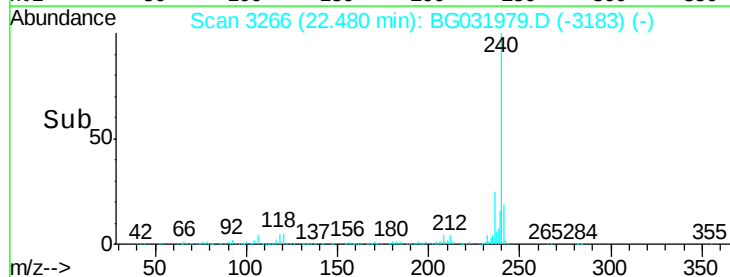
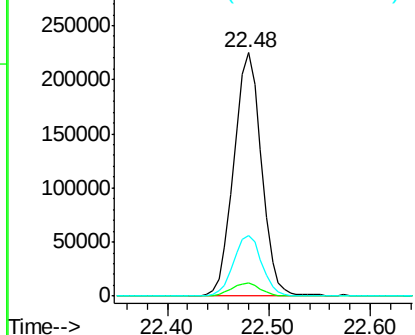


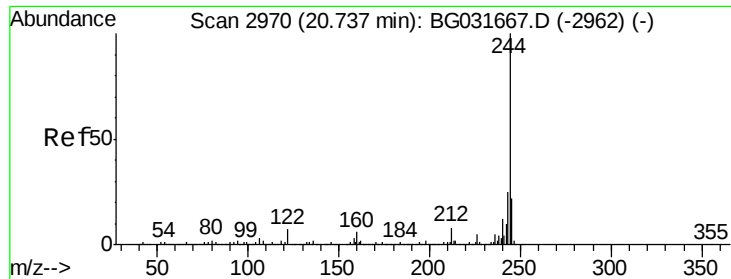
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.48 min Scan# 3266
Delta R.T. -0.04 min
Lab File: BG031979.D
Acq: 10 Jan 2018 16:37

Tgt Ion:240 Resp: 428345
Ion Ratio Lower Upper
240 100
120 5.6 6.8 10.2#
236 24.8 20.9 31.3



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





#78

Terphenyl-d14

Concen: 101.144 ng

RT: 20.68 min Scan# 2959

Delta R.T. -0.02 min

Lab File: BG031979.D

Acq: 10 Jan 2018 16:37

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

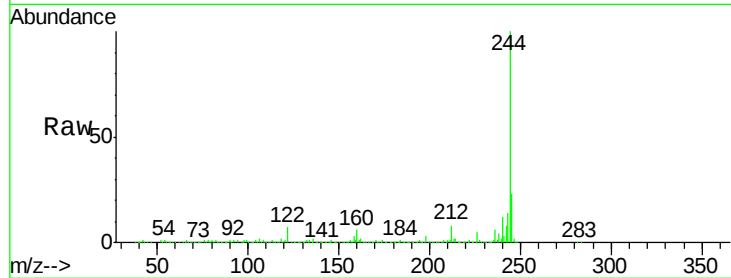
Tot Ion:244 Resp: 1896333

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

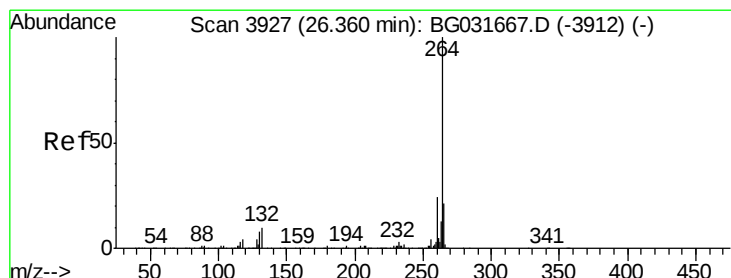
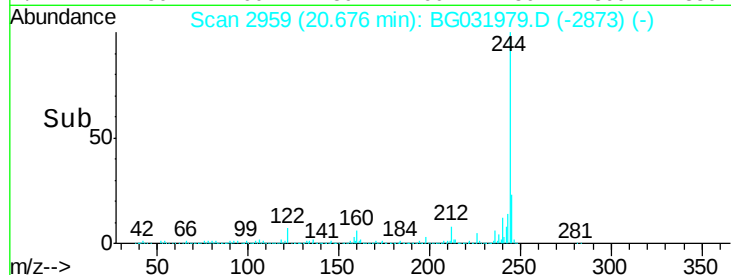
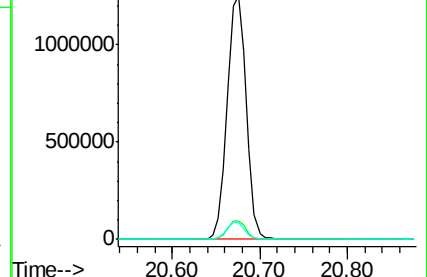
122 6.9 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.20 min Scan# 3900

Delta R.T. -0.09 min

Lab File: BG031979.D

Acq: 10 Jan 2018 16:37

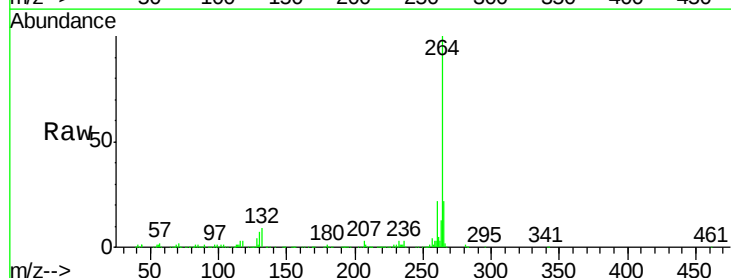
Tgt Ion:264 Resp: 438729

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 22.4 17.7 26.5



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

