

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011018\
 Data File : BG031980.D
 Acq On : 10 Jan 2018 17:15
 Operator : SJ/JU
 Sample : J1042-01DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILDL

Quant Time: Jan 11 00:42:52 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

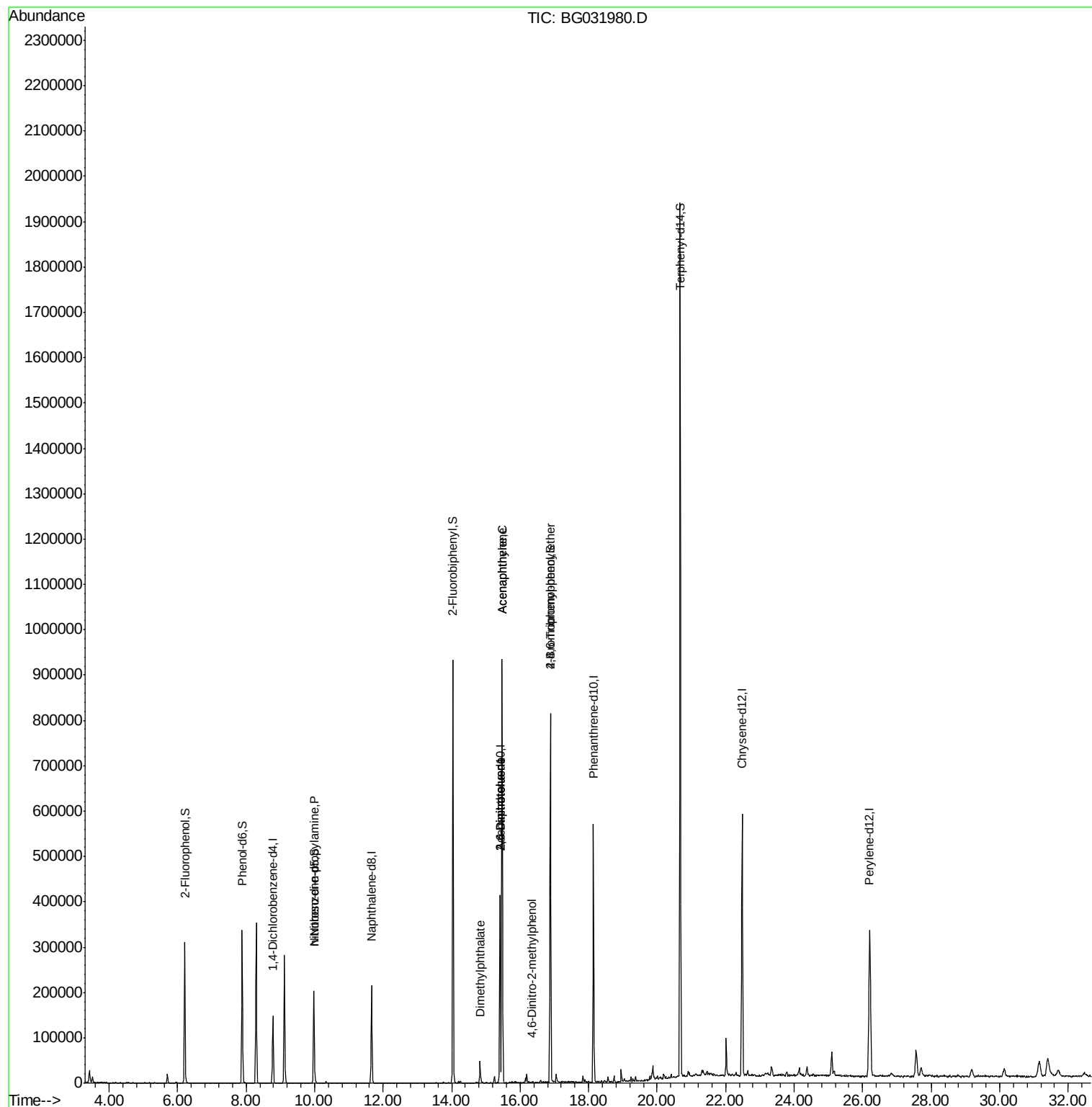
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	49605	20.00	ng	0.00
21) Naphthalene-d8	11.66	136	219472	20.00	ng	-0.01
38) Acenaphthene-d10	15.41	164	160650	20.00	ng	-0.02
63) Phenanthrene-d10	18.14	188	392304	20.00	ng	-0.02
75) Chrysene-d12	22.48	240	439940	20.00	ng	-0.04
86) Perylene-d12	26.20	264	448302	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	165982	60.94	ng	0.00
7) Phenol-d6	7.89	99	236901	67.00	ng	0.00
23) Nitrobenzene-d5	9.98	82	131491	45.24	ng	-0.01
41) 2,4,6-Tribromophenol	16.88	330	186070	75.91	ng	-0.02
44) 2-Fluorobiphenyl	14.04	172	560161	43.76	ng	-0.02
78) Terphenyl-d14	20.67	244	1091400	56.68	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.98	70	16629	6.886	ng	# 72
48) Acenaphthylene	15.47	152	214667	12.821	ng	# 1
49) Dimethylphthalate	14.83	163	35140	2.483	ng	# 98
50) 2,6-Dinitrotoluene	15.41	165	21232	8.155	ng	# 21
51) Acenaphthene	15.48	154	410664	37.450	ng	100
56) 2,4-Dinitrotoluene	15.41	165	21232	6.342	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.35	198	68	8.335	ng	# 29
66) 4-Bromophenyl-phenylether	16.88	248	15539	2.739	ng	# 1

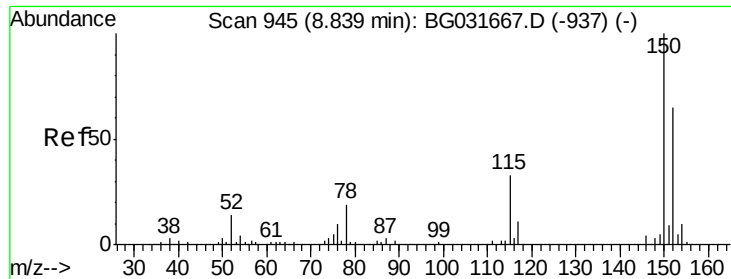
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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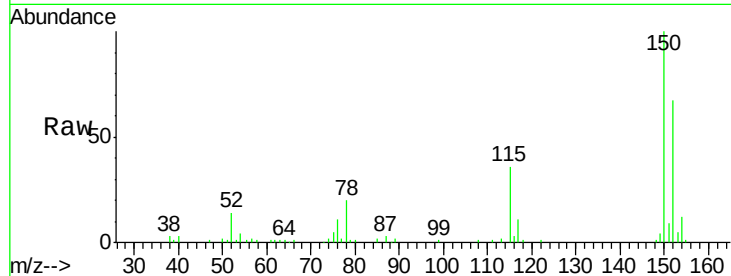


#1

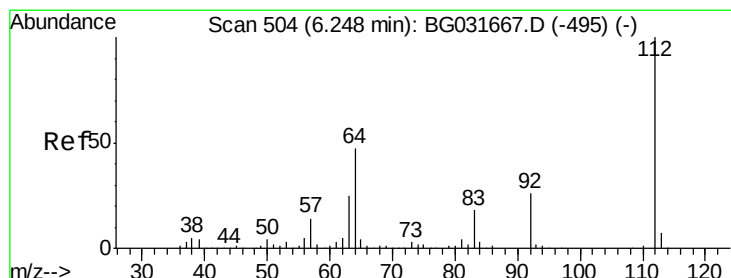
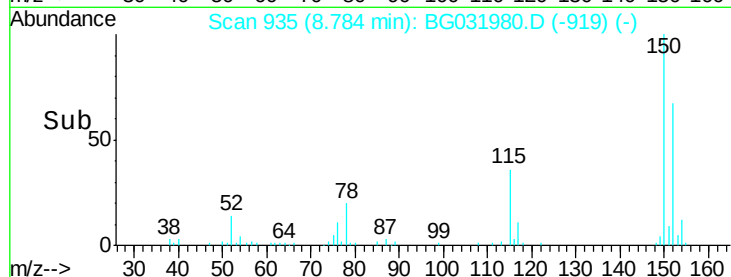
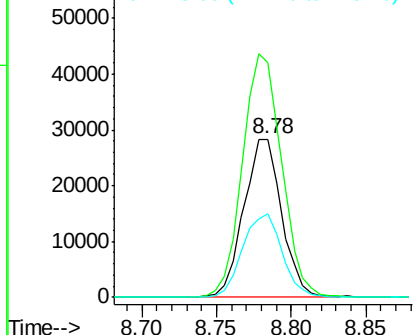
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.78 min Scan# 935
Delta R.T. -0.00 min
Lab File: BG031980.D
Acq: 10 Jan 2018 17:15

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

Tot Ion:152 Resp: 49605
Ion Ratio Lower Upper
152 100
150 148.5 126.6 189.8
115 52.8 53.0 79.4#



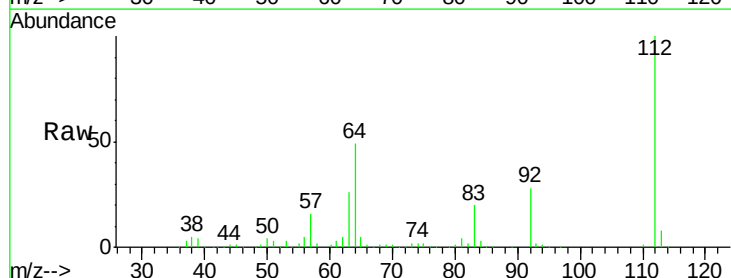
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



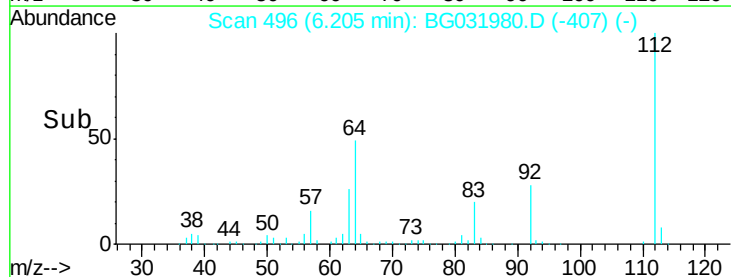
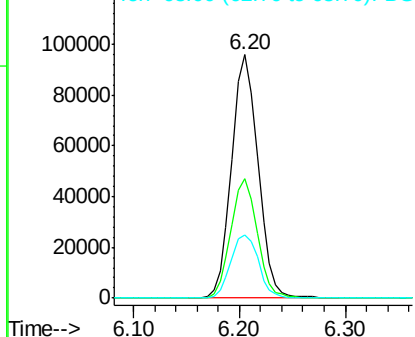
#5

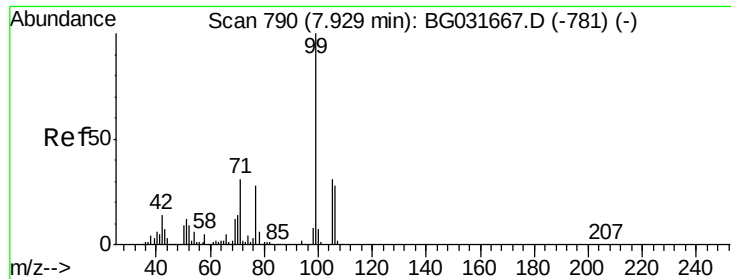
2-Fluorophenol
Concen: 60.945 ng
RT: 6.20 min Scan# 496
Delta R.T. -0.00 min
Lab File: BG031980.D
Acq: 10 Jan 2018 17:15

Tgt Ion:112 Resp: 165982
Ion Ratio Lower Upper
112 100
64 49.0 56.3 84.5#
63 26.1 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: 66.997 ng

RT: 7.89 min Scan# 782

Delta R.T. -0.00 min

Lab File: BG031980.D

Acq: 10 Jan 2018 17:15

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

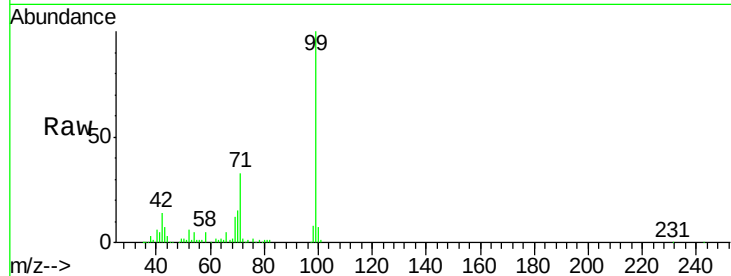
Tot Ion: 99 Resp: 236901

Ion Ratio Lower Upper

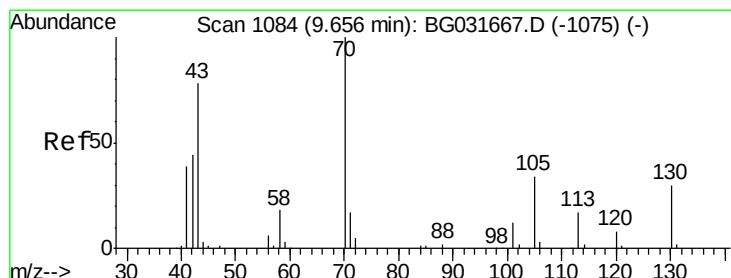
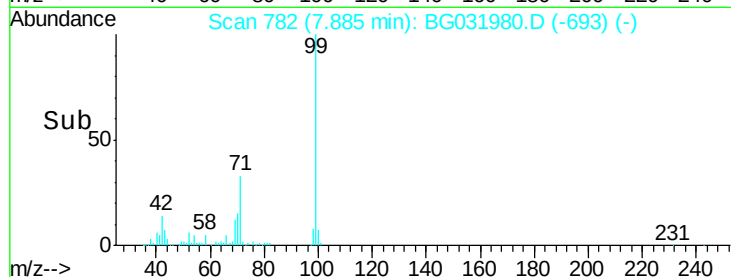
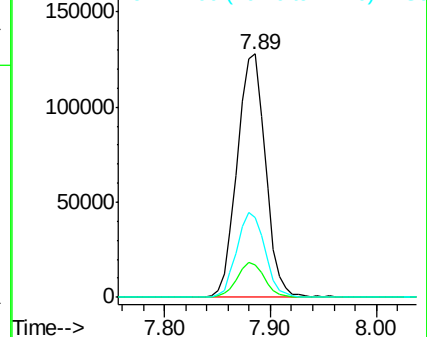
99 100

42 13.5 14.1 21.1#

71 32.8 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: 6.886 ng

RT: 9.98 min Scan# 1138

Delta R.T. 0.37 min

Lab File: BG031980.D

Acq: 10 Jan 2018 17:15

Tgt Ion: 70 Resp: 16629

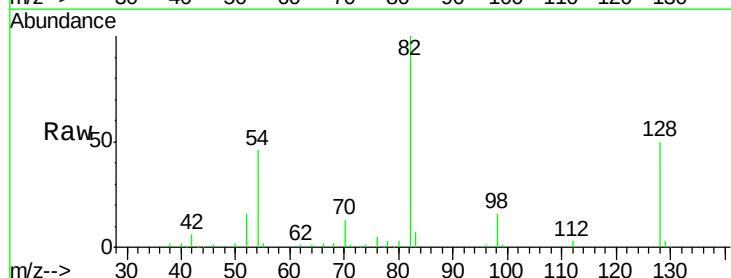
Ion Ratio Lower Upper

70 100

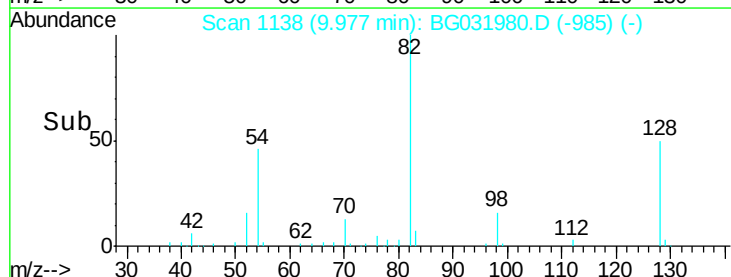
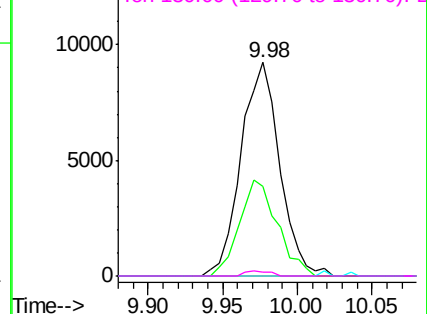
42 41.8 49.1 73.7#

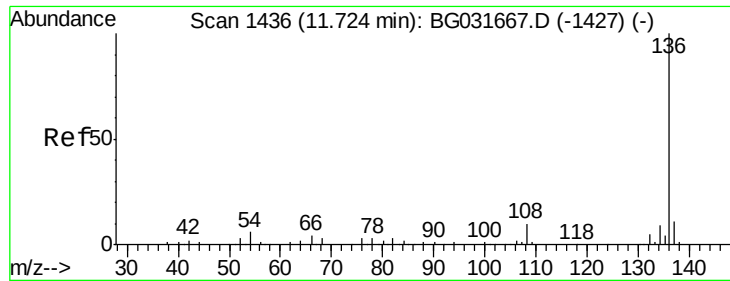
101 0.0 8.5 12.7#

130 1.7 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

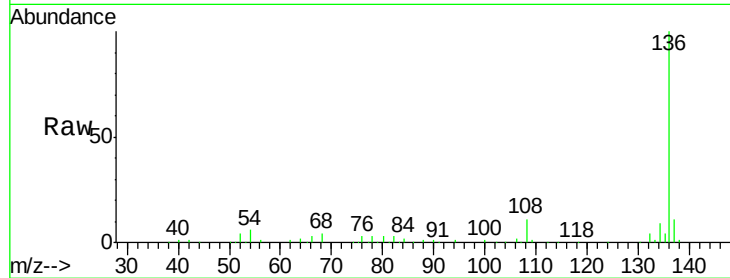




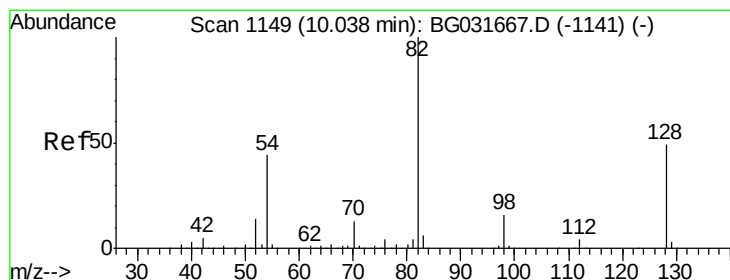
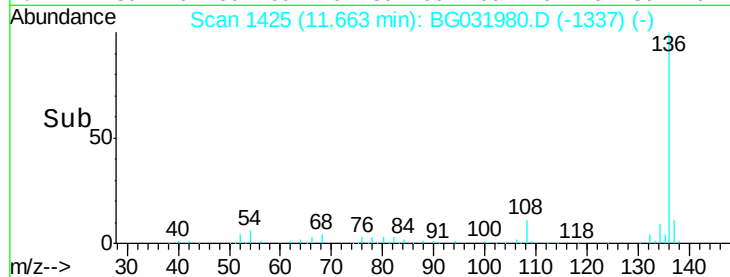
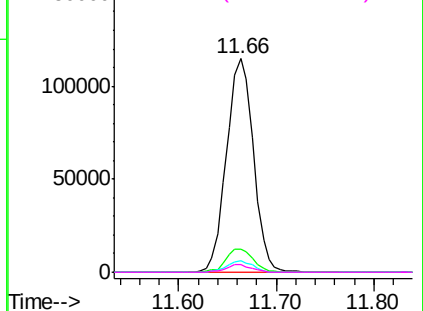
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.66 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BG031980.D
Acq: 10 Jan 2018 17:15

Instrument :
BNA_G
ClientSampleID :
PT-BNA-SOILD

Tot Ion:136	Resp:	219472
Ion	Ratio	Lower Upper
136	100	
137	10.6	9.2 13.8
54	5.6	10.3 15.5#
68	3.9	4.5 6.7#

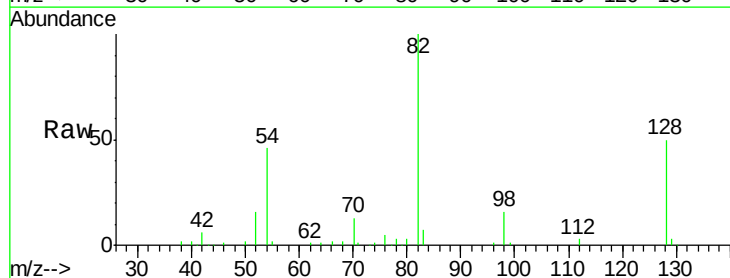


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

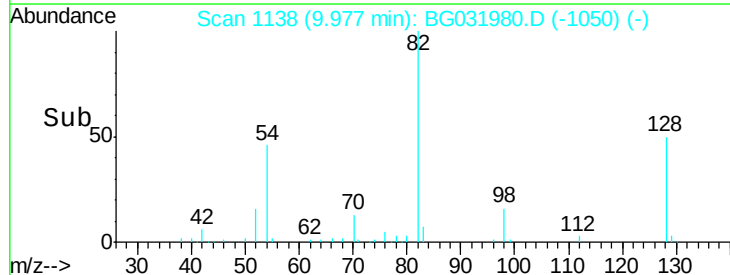
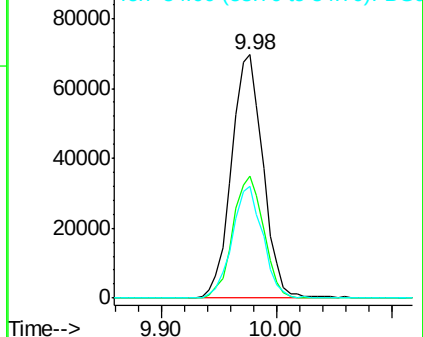


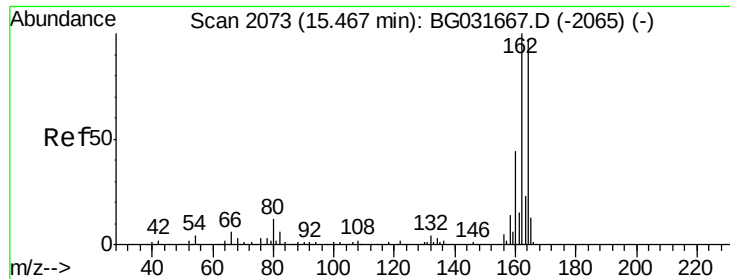
#23
Nitrobenzene-d5
Concen: 45.241 ng
RT: 9.98 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BG031980.D
Acq: 10 Jan 2018 17:15

Tgt Ion: 82	Resp:	131491
Ion	Ratio	Lower Upper
82	100	
128	50.1	29.7 44.5#
54	45.7	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: BG031980.D

Acq: 10 Jan 2018 17:15

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

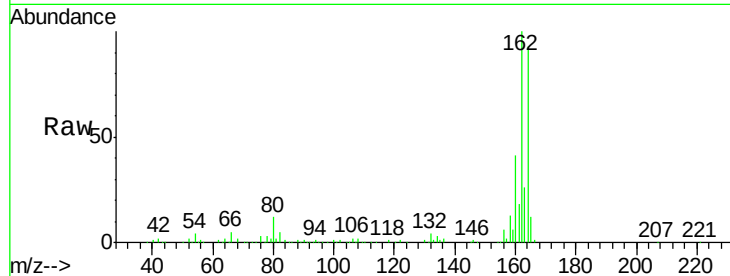
Tot Ion:164 Resp: 160650

Ion Ratio Lower Upper

164 100

162 107.7 78.8 118.2

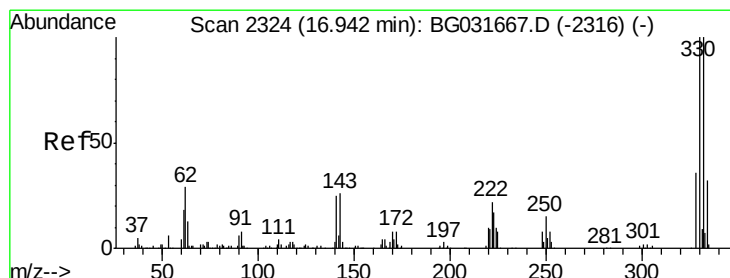
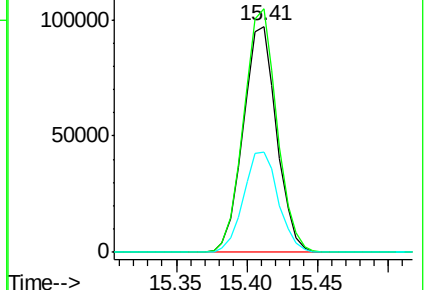
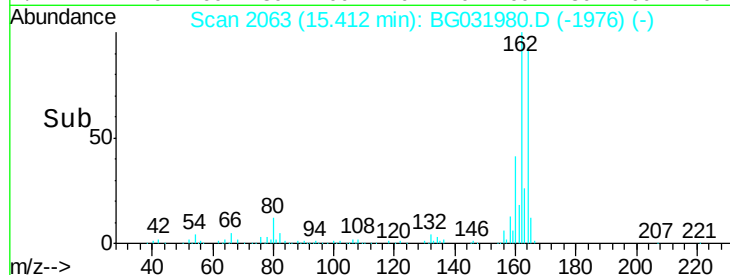
160 44.4 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 75.907 ng

RT: 16.88 min Scan# 2313

Delta R.T. -0.02 min

Lab File: BG031980.D

Acq: 10 Jan 2018 17:15

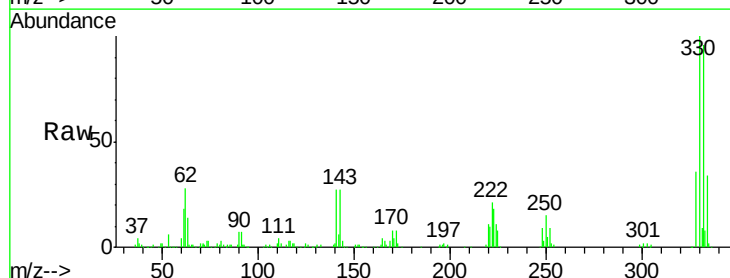
Tgt Ion:330 Resp: 186070

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

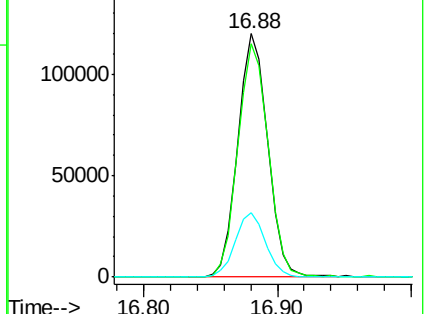
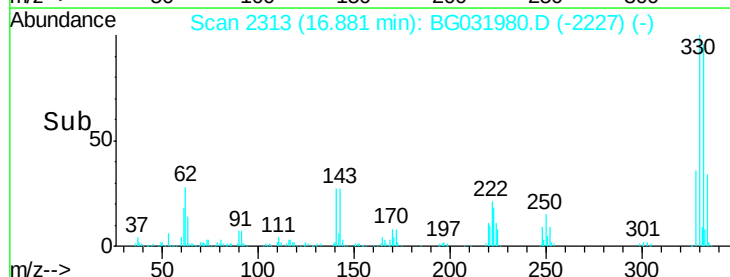
141 27.1 25.2 37.8

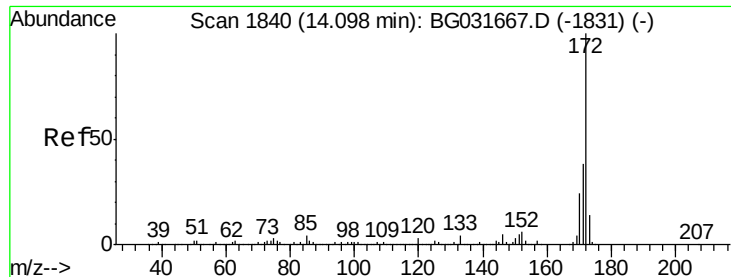


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

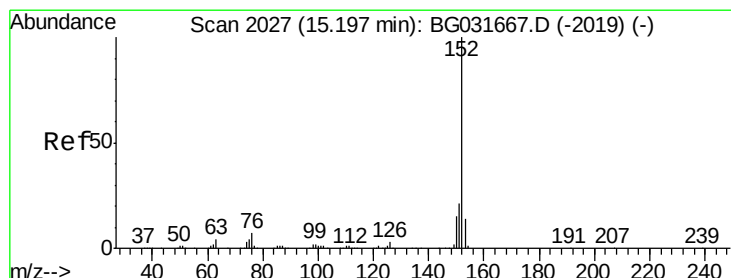
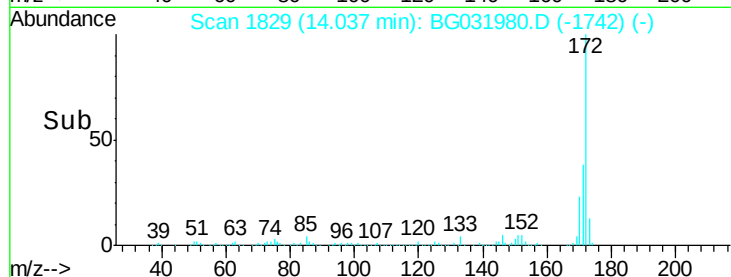
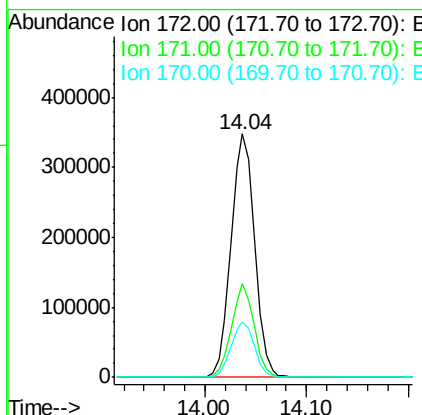
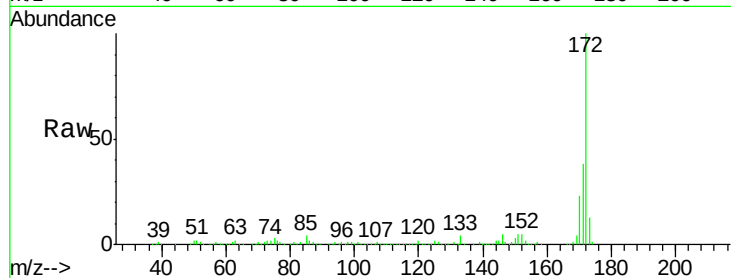




#44
 2-Fluorobiphenyl
 Concen: 43.765 ng
 RT: 14.04 min Scan# 1829
 Delta R.T. -0.02 min
 Lab File: BG031980.D
 Acq: 10 Jan 2018 17:15

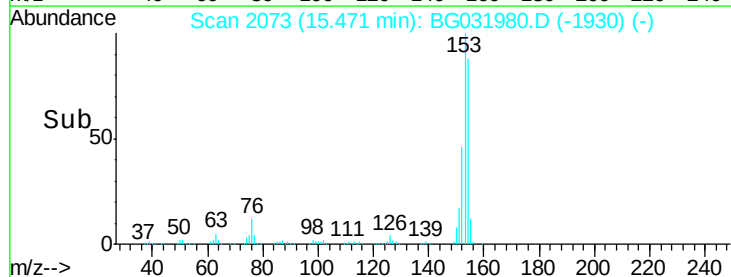
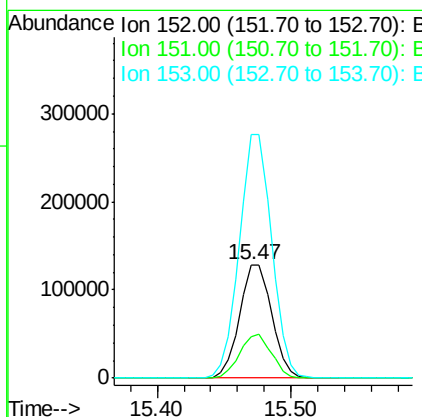
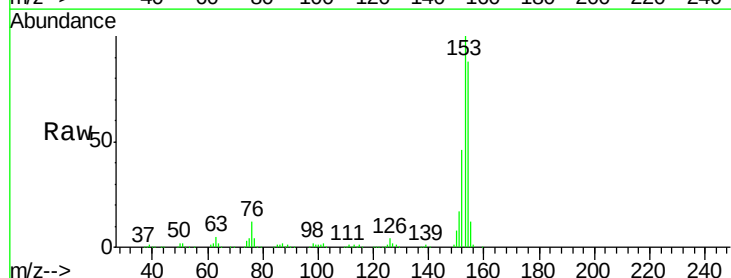
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

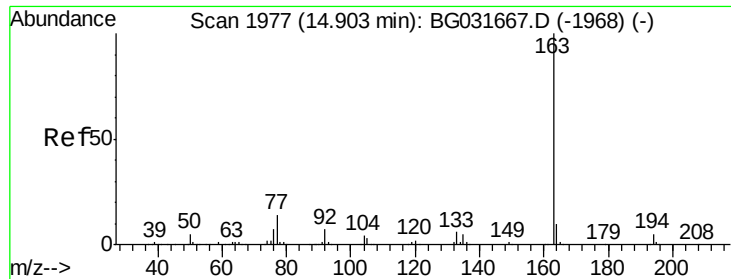
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.0	45.0
170	22.9	19.5	29.3



#48
 Acenaphthylene
 Concen: 12.821 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. 0.31 min
 Lab File: BG031980.D
 Acq: 10 Jan 2018 17:15

Tgt Ion	Ratio	Lower	Upper
152	100		
151	37.0	17.2	25.8#
153	215.3	10.2	15.4#





#49

Dimethylphthalate

Concen: 2.483 ng

RT: 14.83 min Scan# 1964

Delta R.T. -0.02 min

Lab File: BG031980.D

Acq: 10 Jan 2018 17:15

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

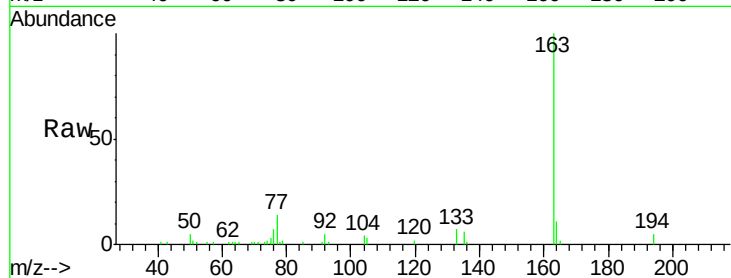
Tot Ion:163 Resp: 35140

Ion Ratio Lower Upper

163 100

194 5.3 3.4 5.2#

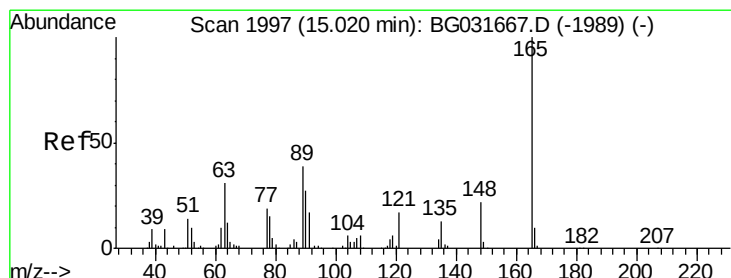
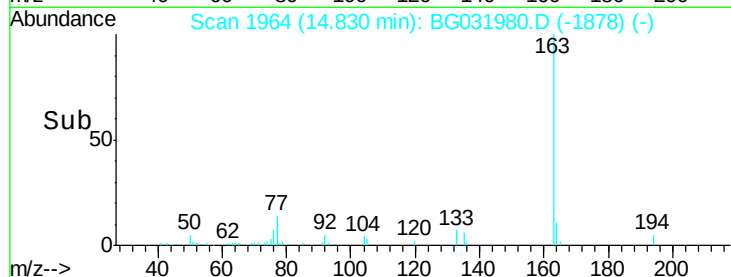
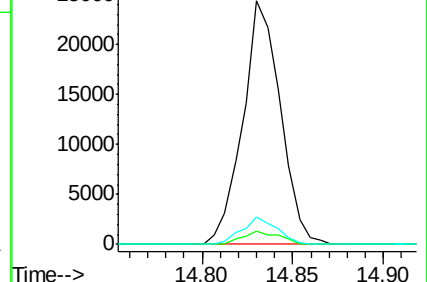
164 11.1 8.2 12.4



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



#50

2,6-Dinitrotoluene

Concen: 8.155 ng

RT: 15.41 min Scan# 2063

Delta R.T. 0.43 min

Lab File: BG031980.D

Acq: 10 Jan 2018 17:15

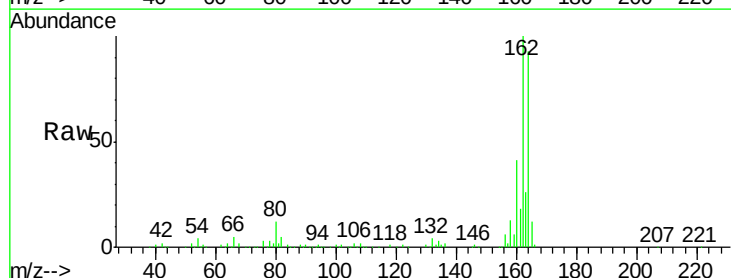
Tgt Ion:165 Resp: 21232

Ion Ratio Lower Upper

165 100

63 1.4 52.7 79.1#

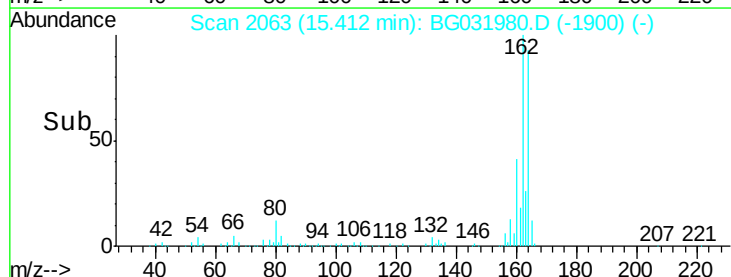
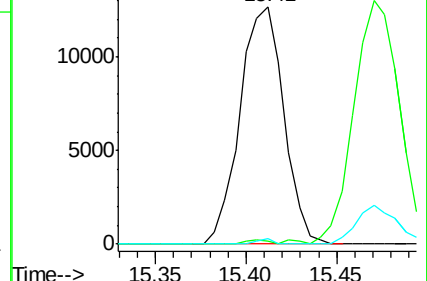
89 2.2 49.2 73.8#

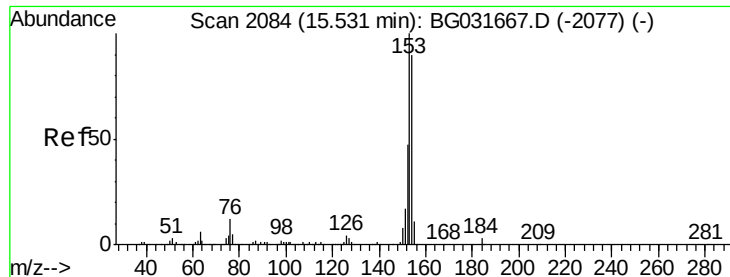


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 37.450 ng

RT: 15.48 min Scan# 2074

Delta R.T. -0.02 min

Lab File: BG031980.D

Acq: 10 Jan 2018 17:15

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

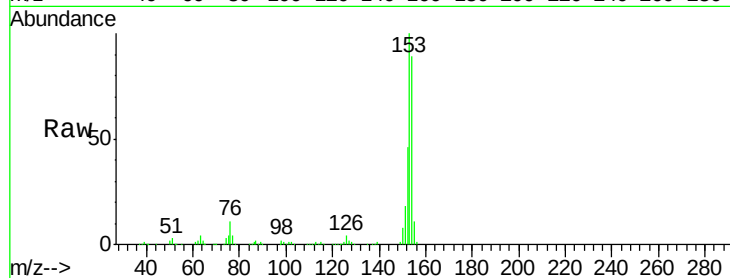
Tot Ion:154 Resp: 410664

Ion Ratio Lower Upper

154 100

153 112.8 90.4 135.6

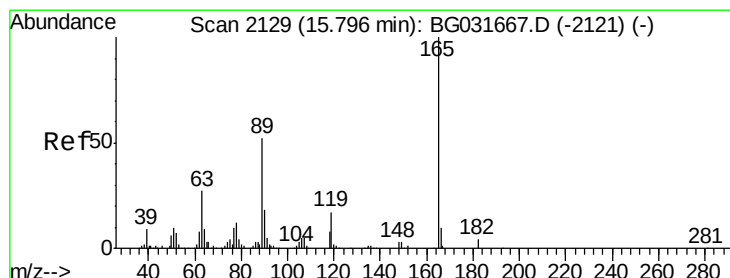
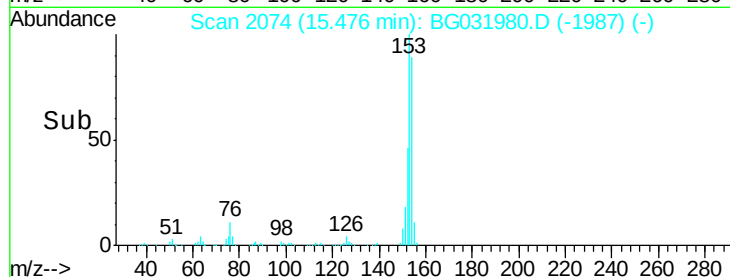
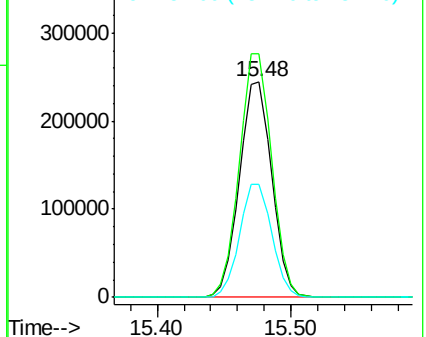
152 52.4 41.6 62.4



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



#56

2,4-Dinitrotoluene

Concen: 6.342 ng

RT: 15.41 min Scan# 2063

Delta R.T. -0.35 min

Lab File: BG031980.D

Acq: 10 Jan 2018 17:15

Tgt Ion:165 Resp: 21232

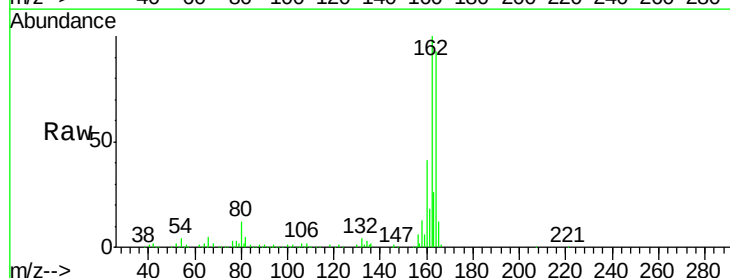
Ion Ratio Lower Upper

165 100

63 1.4 42.0 63.0#

89 2.2 66.9 100.3#

182 0.0 2.6 3.8#

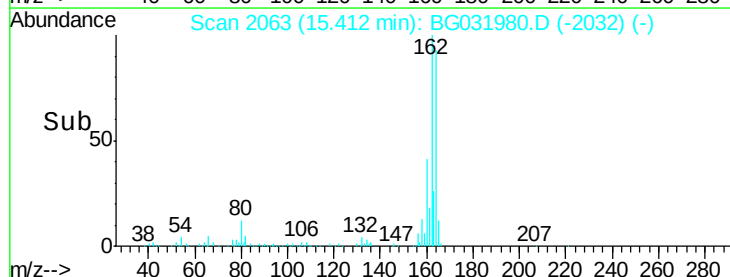
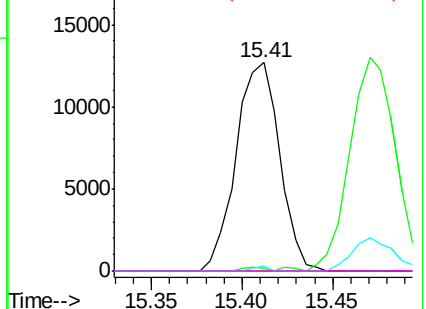


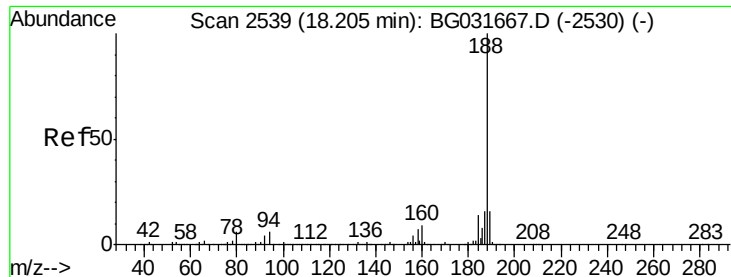
Abundance Ion 165.00 (164.70 to 165.70): E

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

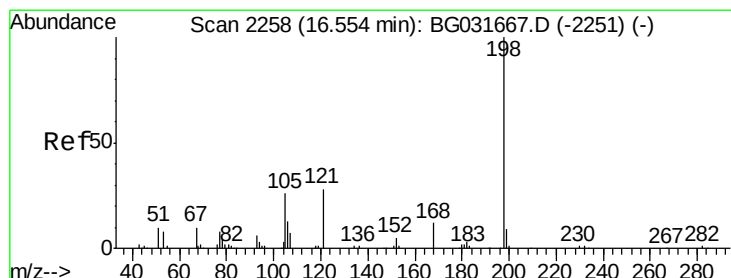
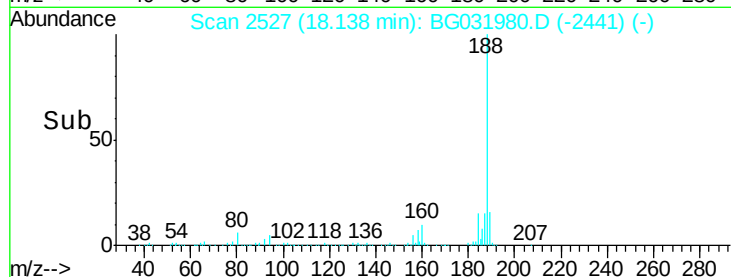
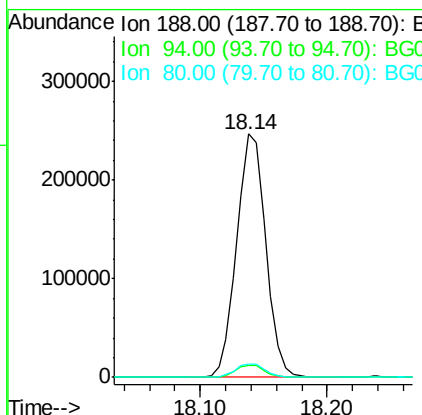
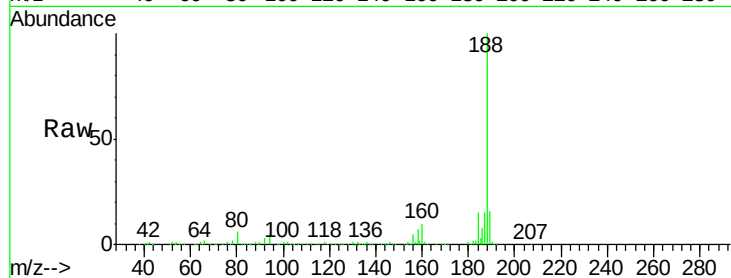




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.14 min Scan# 2527
Delta R.T. -0.02 min
Lab File: BG031980.D
Acq: 10 Jan 2018 17:15

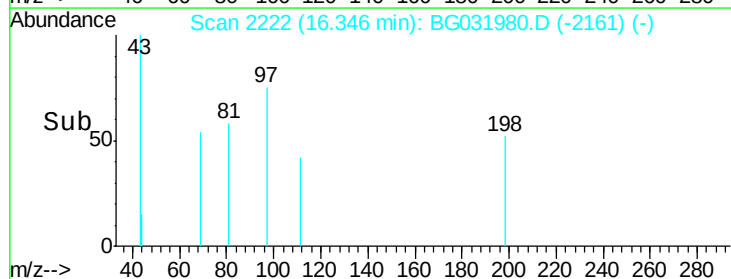
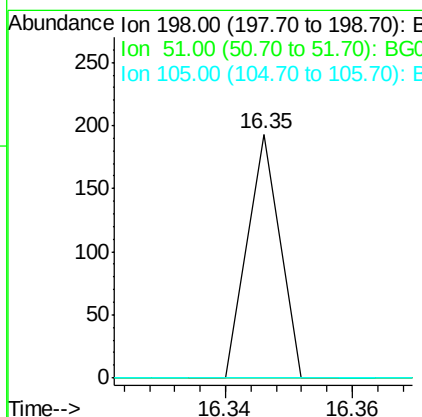
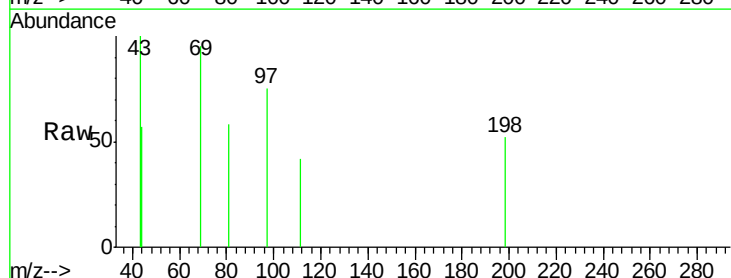
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

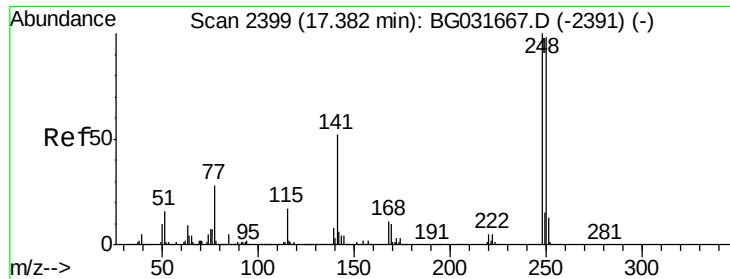
Tot Ion:188 Resp: 392304
Ion Ratio Lower Upper
188 100
94 4.8 6.9 10.3#
80 5.6 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.335 ng
RT: 16.35 min Scan# 2222
Delta R.T. -0.17 min
Lab File: BG031980.D
Acq: 10 Jan 2018 17:15

Tgt Ion:198 Resp: 68
Ion Ratio Lower Upper
198 100
51 0.0 30.6 70.6#
105 0.0 23.8 63.8#

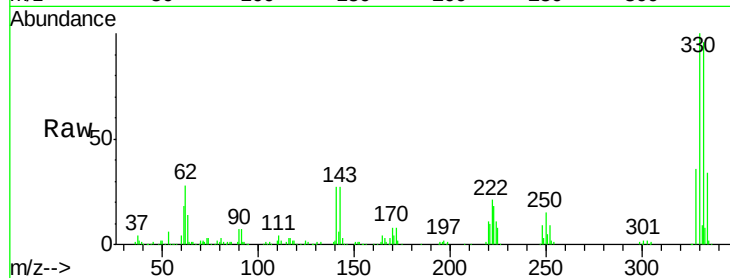




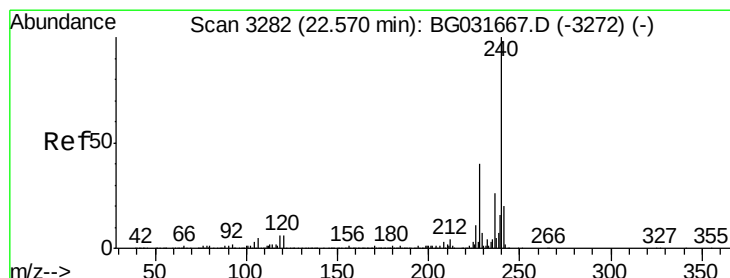
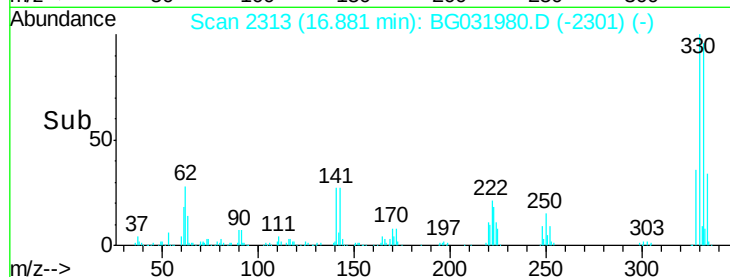
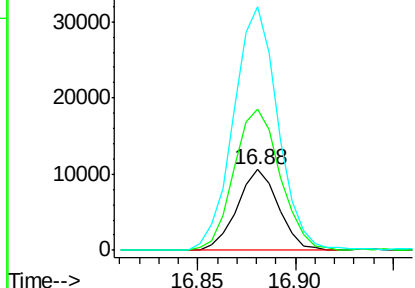
#66
4-Bromophenyl-phenylether
Concen: 2.739 ng
RT: 16.88 min Scan# 2313
Delta R.T. -0.46 min
Lab File: BG031980.D
Acq: 10 Jan 2018 17:15

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

Tot Ion:248 Resp: 15539
Ion Ratio Lower Upper
248 100
250 174.3 77.1 115.7#
141 301.0 50.8 76.2#

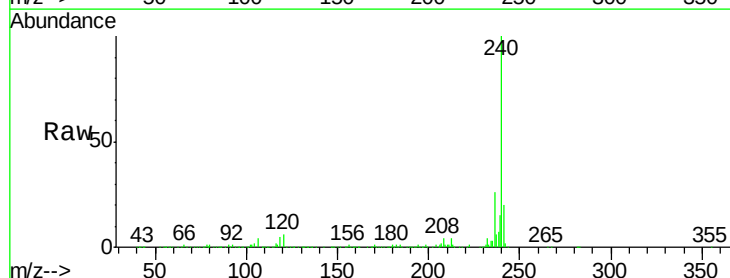


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

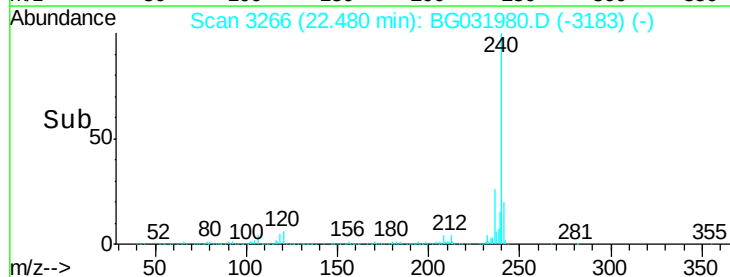
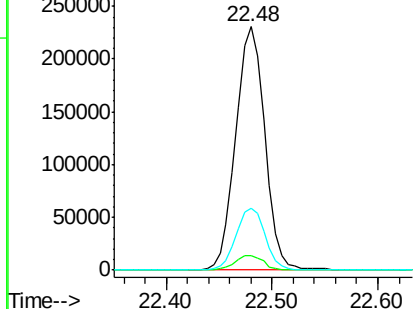


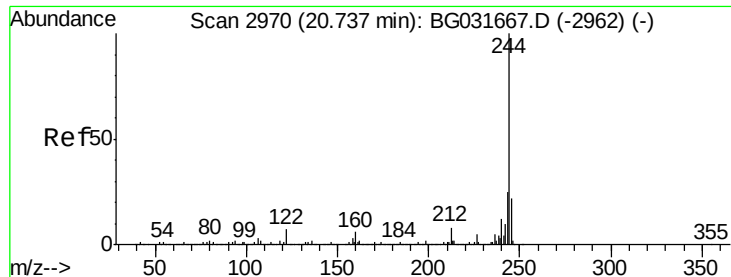
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.48 min Scan# 3266
Delta R.T. -0.04 min
Lab File: BG031980.D
Acq: 10 Jan 2018 17:15

Tgt Ion:240 Resp: 439940
Ion Ratio Lower Upper
240 100
120 6.2 6.8 10.2#
236 25.6 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: 56.677 ng

RT: 20.67 min Scan# 2958

Delta R.T. -0.03 min

Lab File: BG031980.D

Acq: 10 Jan 2018 17:15

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

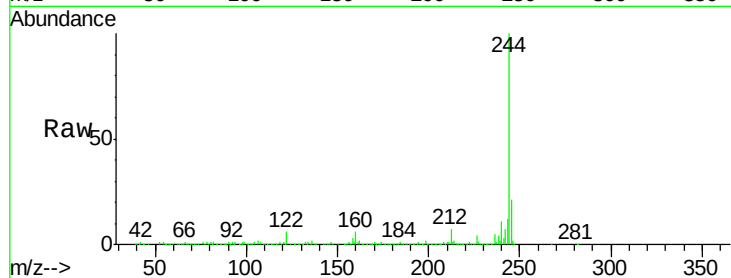
Tot Ion:244 Resp: 1091400

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

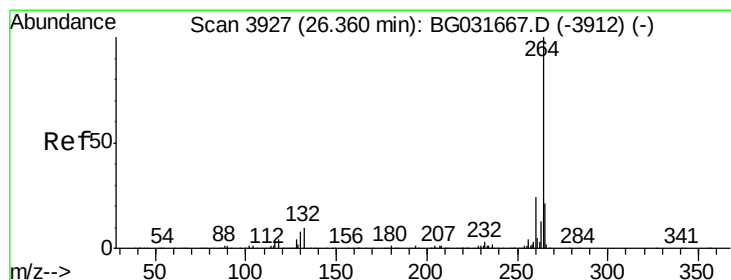
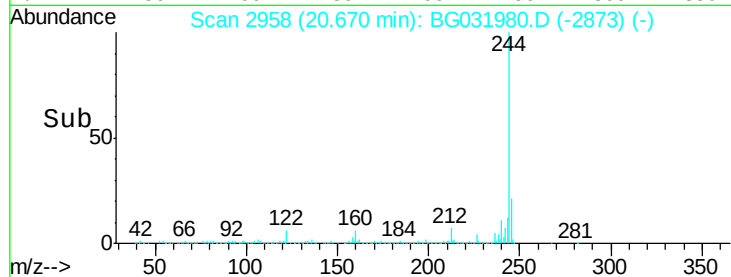
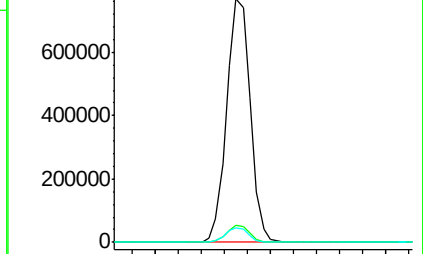
122 6.1 7.0 10.4#



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: BG031980.D

Acq: 10 Jan 2018 17:15

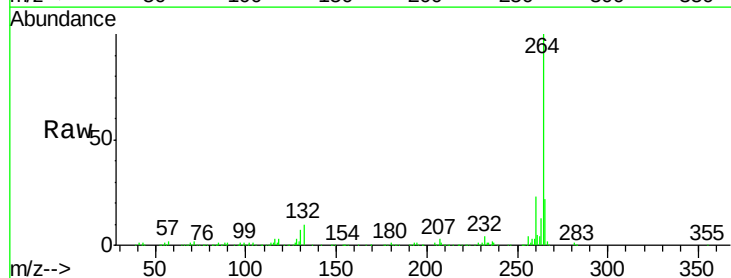
Tgt Ion:264 Resp: 448302

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 22.1 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

