

Data Path : U:\HPCHEM1\BNA G\DATA\BG011918\
 Data File : BG032177.D
 Acq On : 20 Jan 2018 8:53
 Operator : SJ/JU
 Sample : J1173-01DL 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 22 00:00:03 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	38615	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	147929	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	98986	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	274485	20.00	ng	0.00
75) Chrysene-d12	22.45	240	399029	20.00	ng	0.00
86) Perylene-d12	26.14	264	406327	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	16811	7.96	ng	0.00
7) Phenol-d6	7.85	99	11950	4.49	ng	0.00
23) Nitrobenzene-d5	9.94	82	27486	12.57	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	28361	17.31	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	102649	12.86	ng	0.00
78) Terphenyl-d14	20.64	244	237343	13.13	ng	0.00

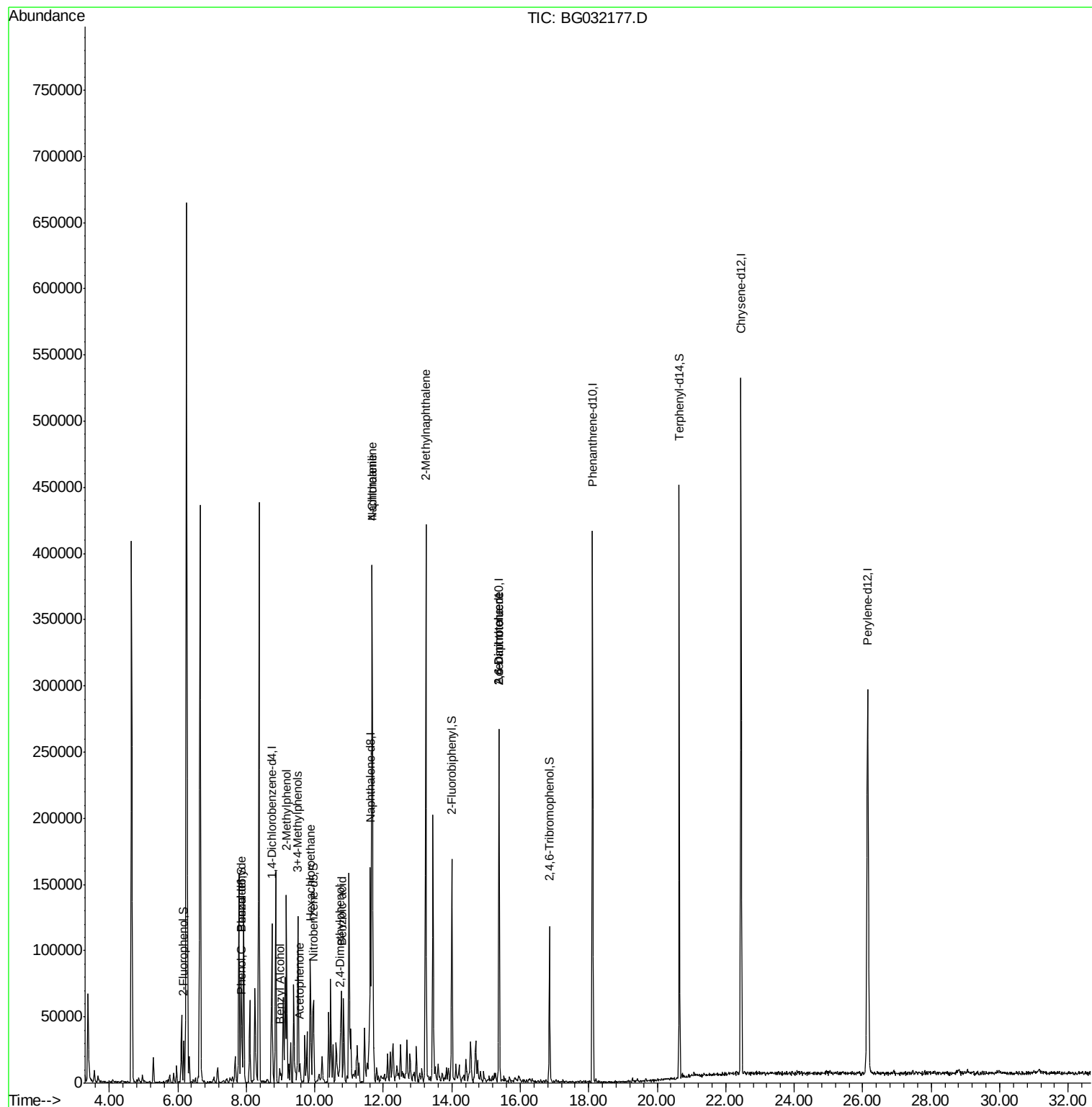
Target Compounds				Qvalue		
9) Benzaldehyde	7.85	77	5094	3.306	ng	# 1
10) Phenol	7.88	94	15467	5.905	ng	# 89
15) Benzyl Alcohol	8.97	79	4174	2.161	ng	# 75
17) 2-Methylphenol	9.17	107	47402	23.679	ng	# 97
18) Hexachloroethane	9.88	117	14842	15.512	ng	# 1
20) 3+4-Methylphenols	9.50	107	59701	21.528	ng	# 96
22) Acetophenone	9.56	105	11816	3.516	ng	# 59
27) 2,4-Dimethylphenol	10.74	122	11128	5.426	ng	# 83
31) Naphthalene	11.68	128	352009	48.036	ng	# 98
32) Benzoic acid	10.78	122	9355	10.320	ng	# 27
33) 4-Chloroaniline	11.68	127	49128	15.634	ng	# 33
37) 2-Methylnaphthalene	13.24	142	215969	37.121	ng	# 95
50) 2,6-Dinitrotoluene	15.38	165	13259	7.375	ng	# 20
56) 2,4-Dinitrotoluene	15.38	165	13259	5.478	ng	# 18

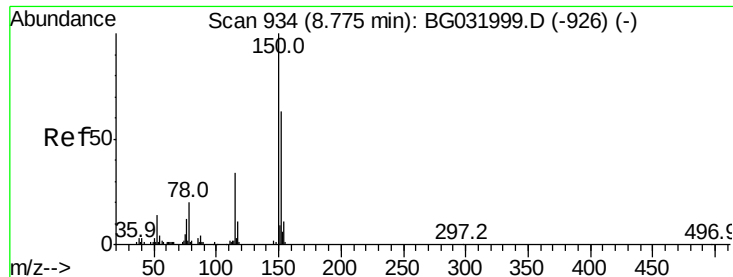
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.75 min Scan# 929

Delta R.T. 0.00 min

Lab File: BG032177.D

Acq: 20 Jan 2018 8:53

Instrument :

BNA_G

ClientSampleId :

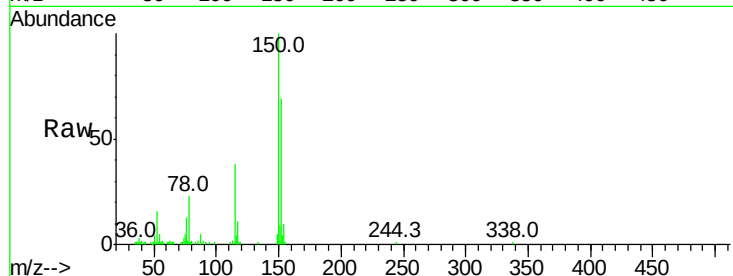
Tot Ion:152 Resp: 38615

Ion Ratio Lower Upper

152 100

150 145.9 126.6 189.8

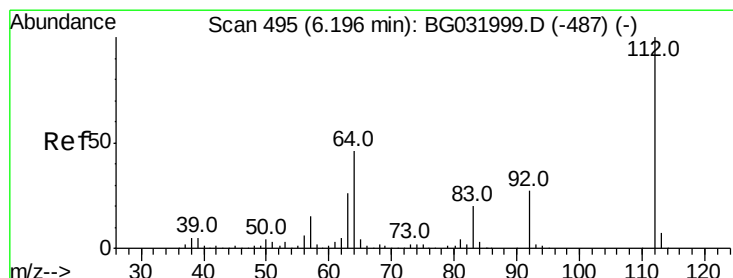
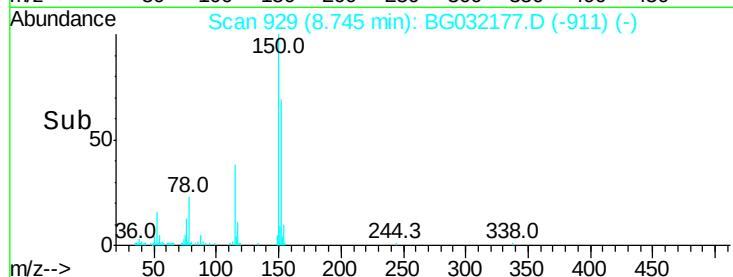
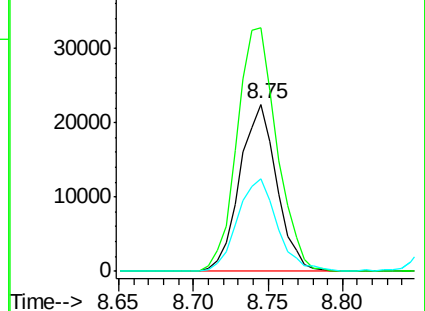
115 55.2 53.0 79.4



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: 7.962 ng

RT: 6.17 min Scan# 490

Delta R.T. -0.00 min

Lab File: BG032177.D

Acq: 20 Jan 2018 8:53

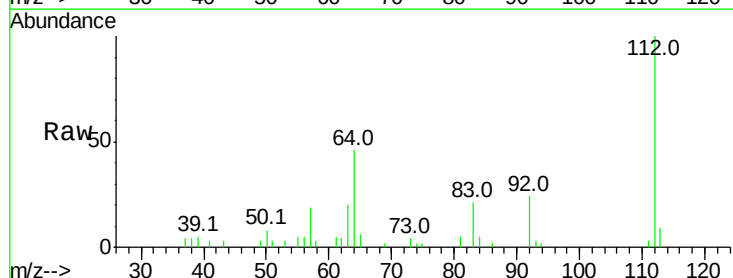
Tgt Ion:112 Resp: 16811

Ion Ratio Lower Upper

112 100

64 46.2 56.3 84.5#

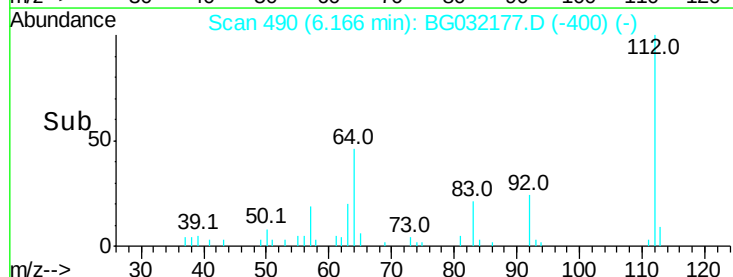
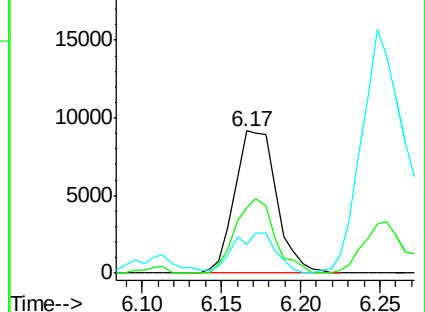
63 20.1 30.1 45.1#

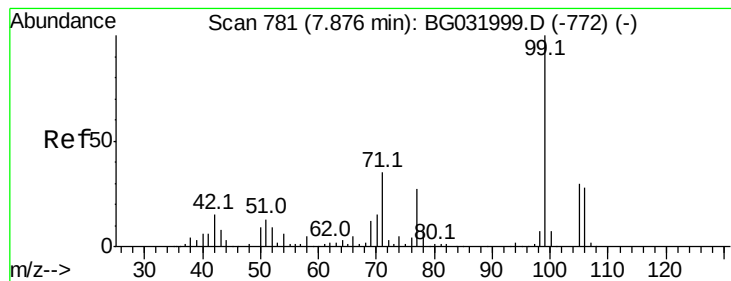


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 4.494 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG032177.D

Acq: 20 Jan 2018 8:53

Instrument :

BNA_G

ClientSampleId :

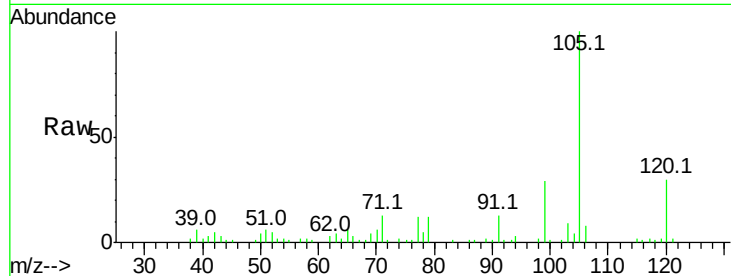
Tot Ion: 99 Resp: 11950

Ion Ratio Lower Upper

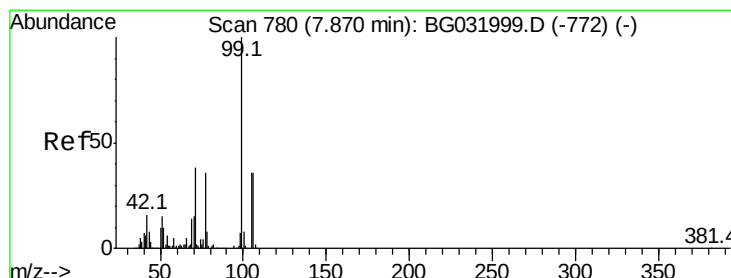
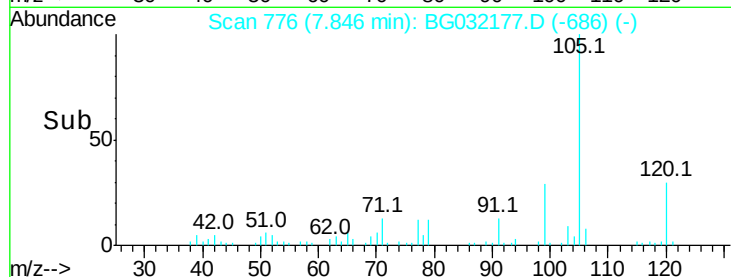
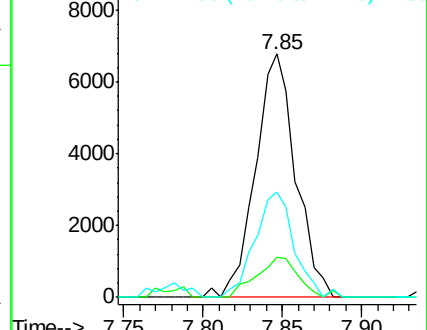
99 100

42 16.6 14.1 21.1

71 43.1 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



#9

Benzaldehyde

Concen: 3.306 ng

RT: 7.85 min Scan# 776

Delta R.T. 0.00 min

Lab File: BG032177.D

Acq: 20 Jan 2018 8:53

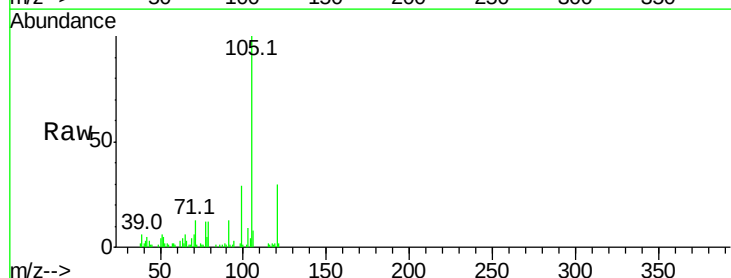
Tgt Ion: 77 Resp: 5094

Ion Ratio Lower Upper

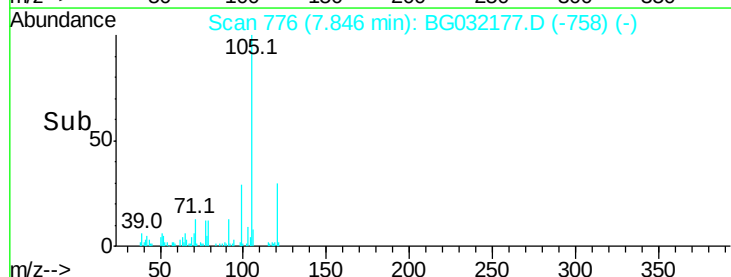
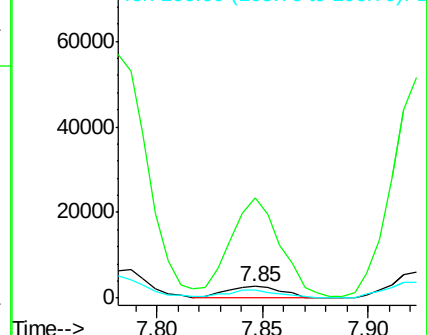
77 100

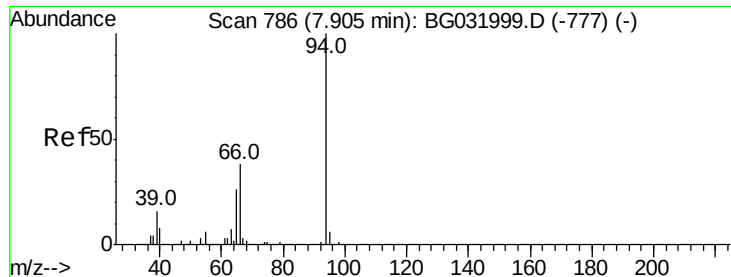
105 847.9 71.3 111.3#

106 70.6 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

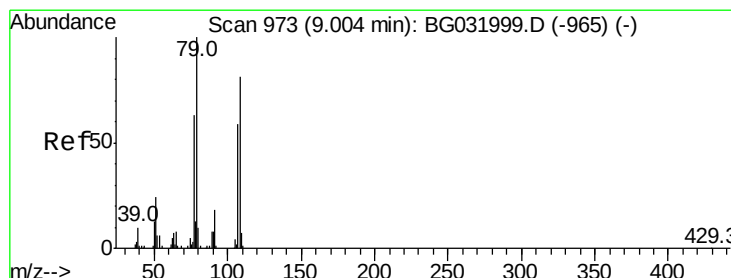
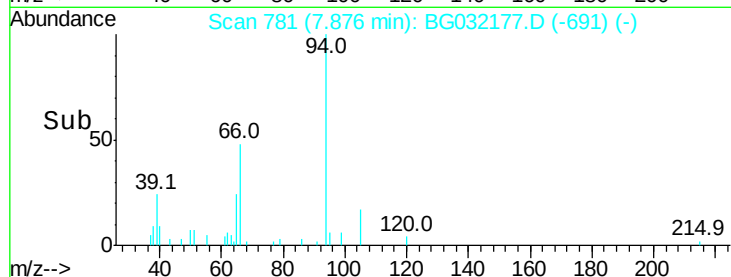
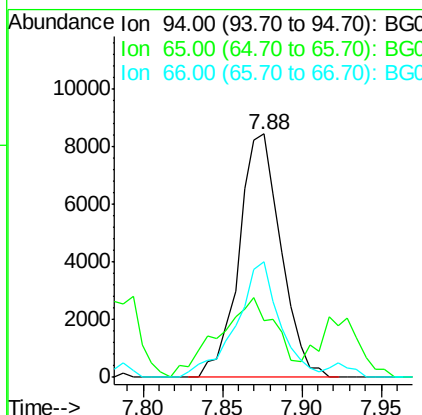
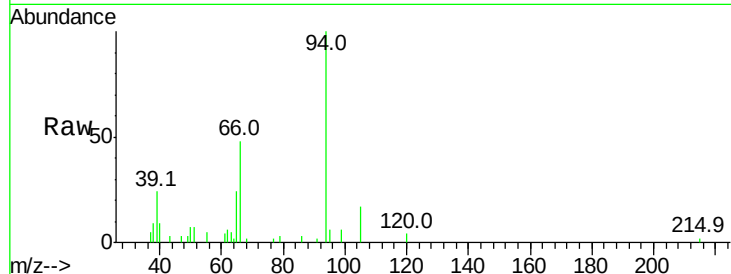




#10
Phenol
Concen: 5.905 ng
RT: 7.88 min Scan# 781
Delta R.T. -0.00 min
Lab File: BG032177.D
Acq: 20 Jan 2018 8:53

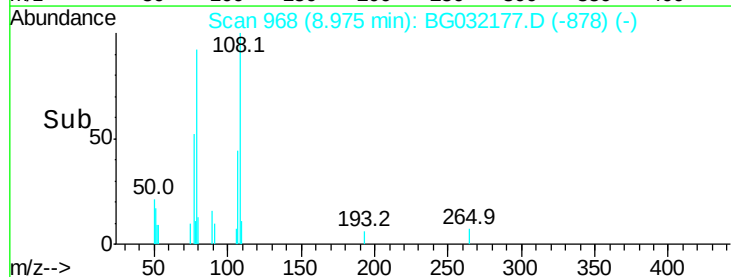
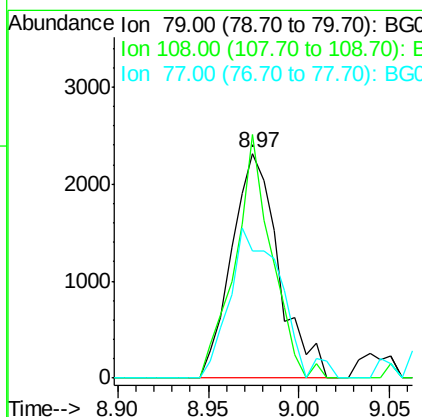
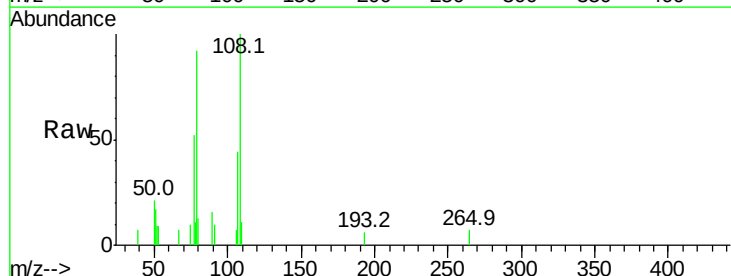
Instrument :
BNA_G
ClientSampled :

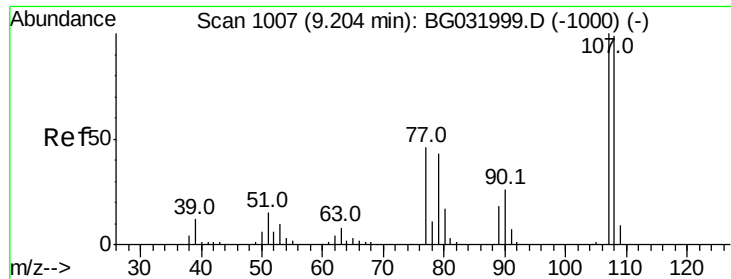
Tot Ion: 94 Resp: 15467
Ion Ratio Lower Upper
94 100
65 23.5 11.9 51.9
66 47.7 22.2 62.2



#15
Benzyl Alcohol
Concen: 2.161 ng
RT: 8.97 min Scan# 968
Delta R.T. -0.00 min
Lab File: BG032177.D
Acq: 20 Jan 2018 8:53

Tgt Ion: 79 Resp: 4174
Ion Ratio Lower Upper
79 100
108 108.4 57.2 85.8#
77 56.7 46.1 69.1

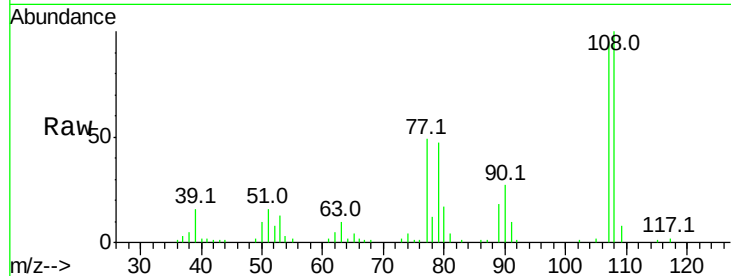




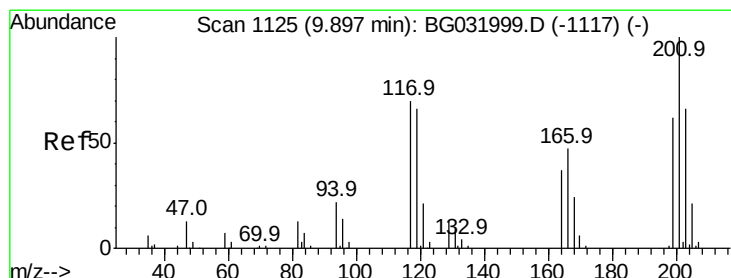
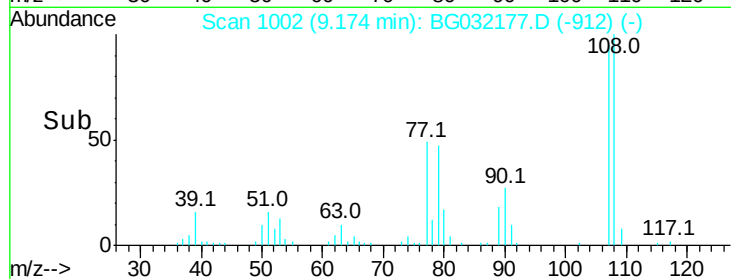
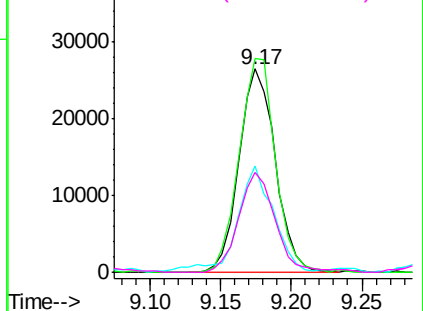
#17
2-Methylphenol
Concen: 23.679 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BG032177.D
Acq: 20 Jan 2018 8:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	107	Resp:	47402
Ion	Ratio	Lower	Upper
107	100		
108	105.2	83.9	125.9
77	52.0	37.2	55.8
79	49.1	36.2	54.2

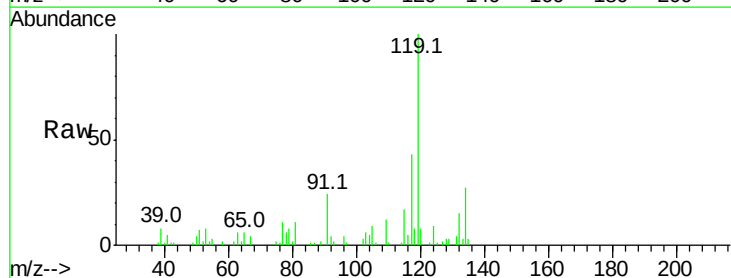


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

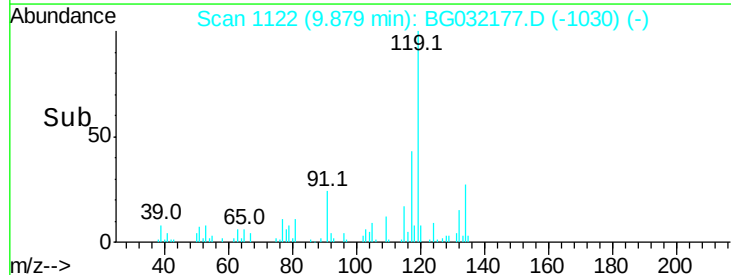
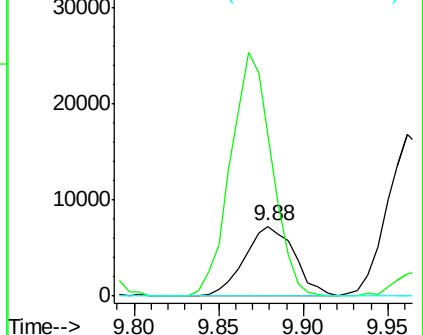


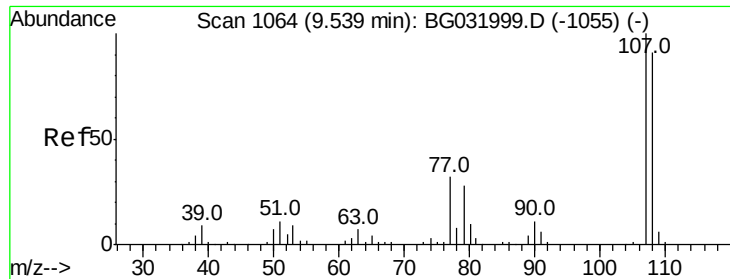
#18
Hexachloroethane
Concen: 15.512 ng
RT: 9.88 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BG032177.D
Acq: 20 Jan 2018 8:53

Tgt Ion:	117	Resp:	14842
Ion	Ratio	Lower	Upper
117	100		
119	231.4	76.7	115.1#
201	0.0	95.7	143.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

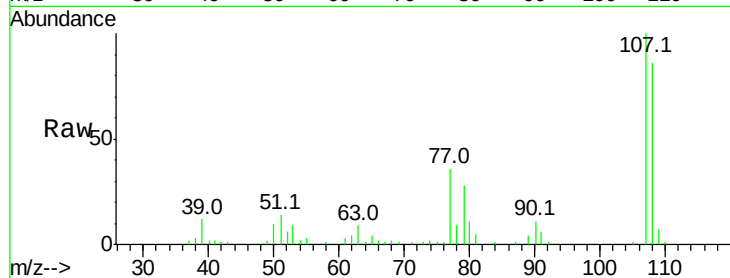




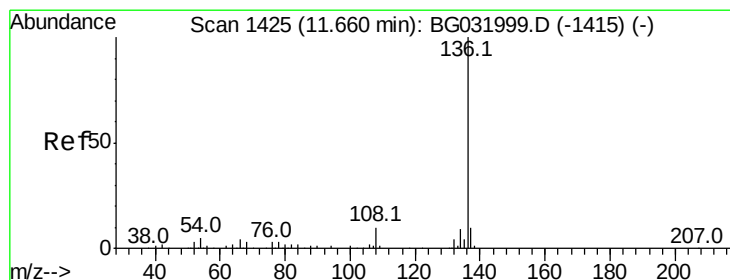
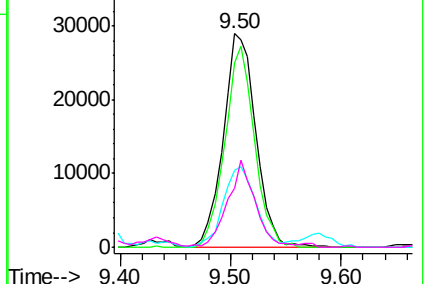
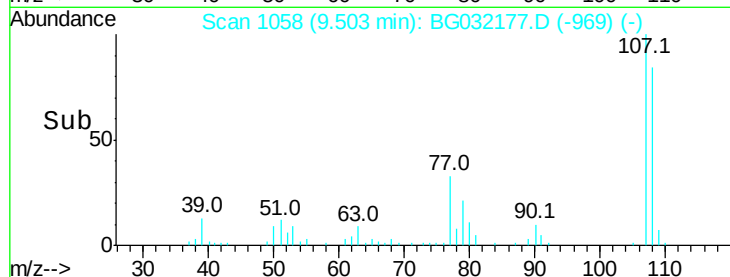
#20
3+4-Methylphenols
Concen: 21.528 ng
RT: 9.50 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BG032177.D
Acq: 20 Jan 2018 8:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:107 Resp: 59701
Ion Ratio Lower Upper
107 100
108 86.1 61.6 101.6
77 35.9 13.9 53.9
79 27.5 8.8 48.8

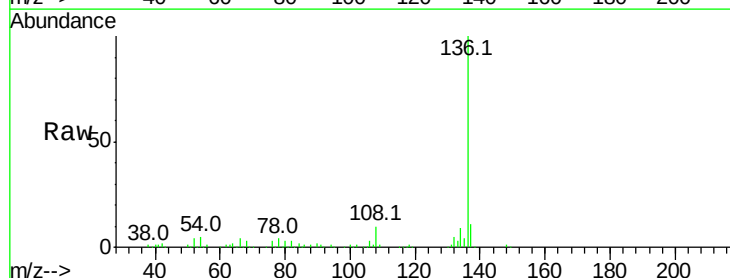


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

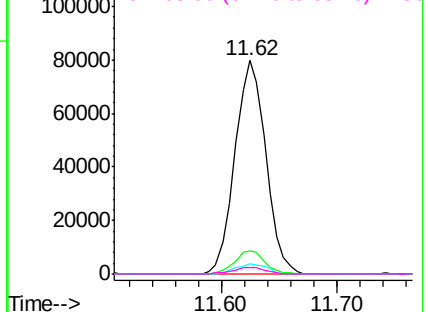
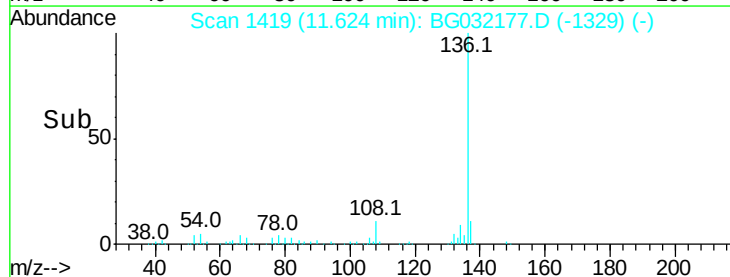


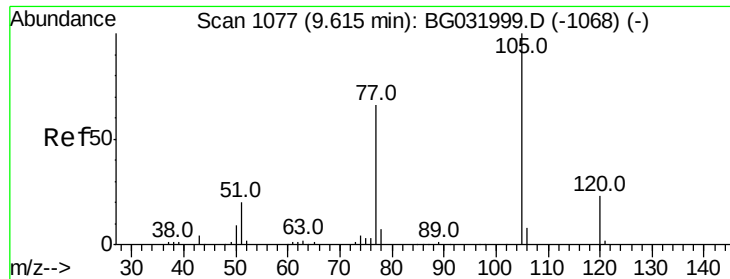
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BG032177.D
Acq: 20 Jan 2018 8:53

Tgt Ion:136 Resp: 147929
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 4.7 10.3 15.5#
68 2.9 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





#22

Acetophenone

Concen: 3.516 ng

RT: 9.56 min Scan# 1068

Delta R.T. -0.03 min

Lab File: BG032177.D

Acq: 20 Jan 2018 8:53

Instrument :

BNA_G

ClientSampled :

Tot Ion:105 Resp: 11816

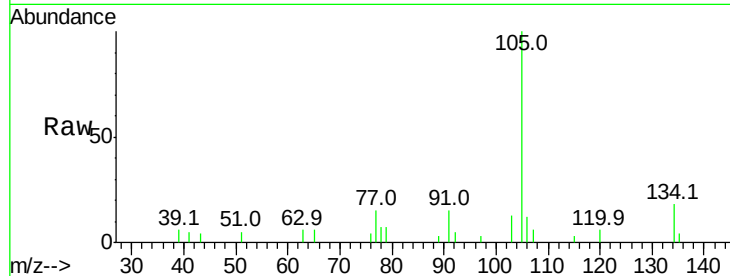
Ion Ratio Lower Upper

105 100

71 0.0 3.0 4.4#

51 5.3 26.1 39.1#

120 5.6 17.4 26.2#

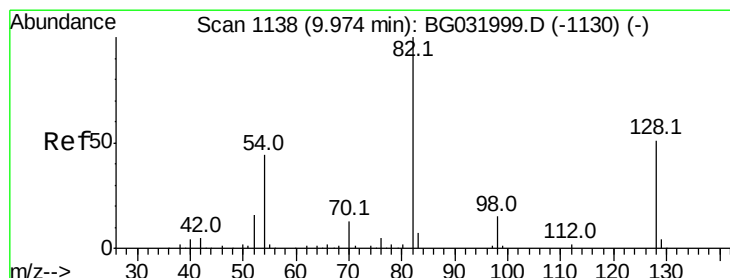
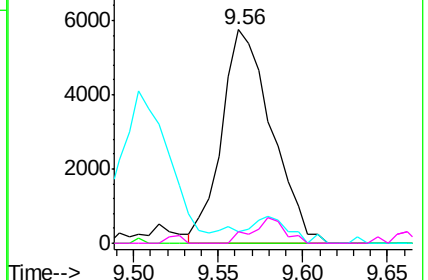
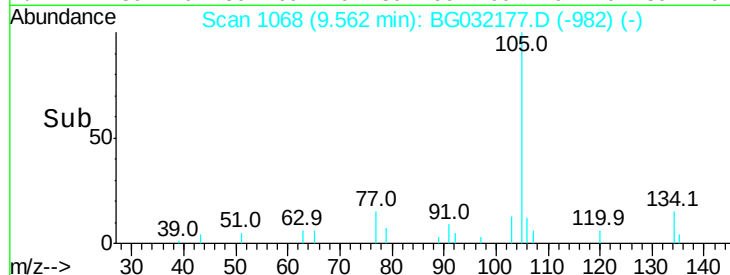


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 12.571 ng

RT: 9.94 min Scan# 1132

Delta R.T. -0.00 min

Lab File: BG032177.D

Acq: 20 Jan 2018 8:53

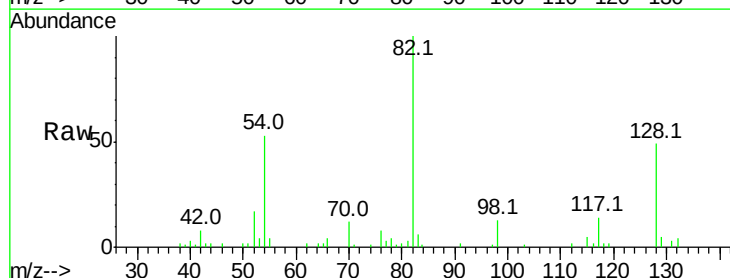
Tgt Ion: 82 Resp: 27486

Ion Ratio Lower Upper

82 100

128 48.6 29.7 44.5#

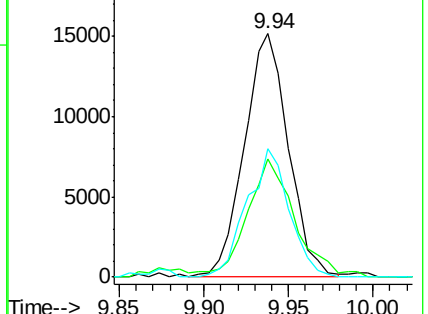
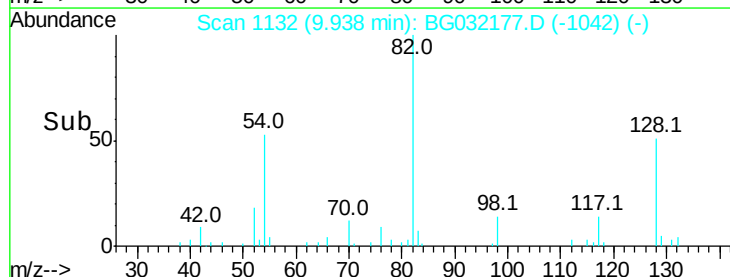
54 52.7 43.1 64.7

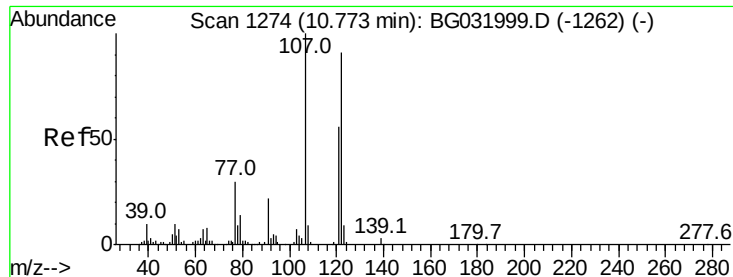


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

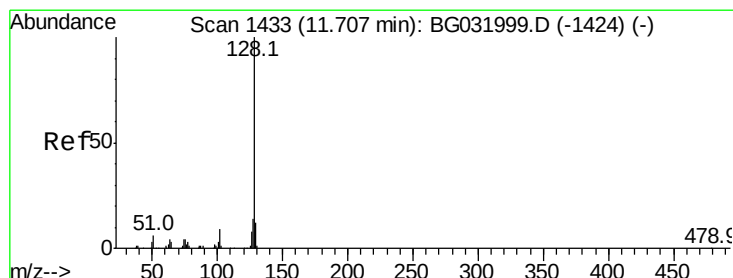
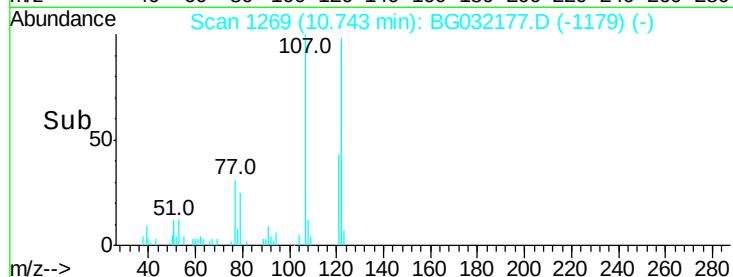
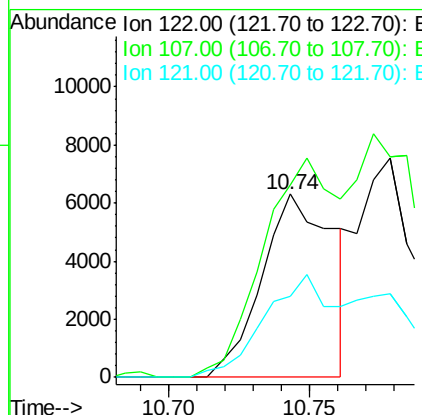
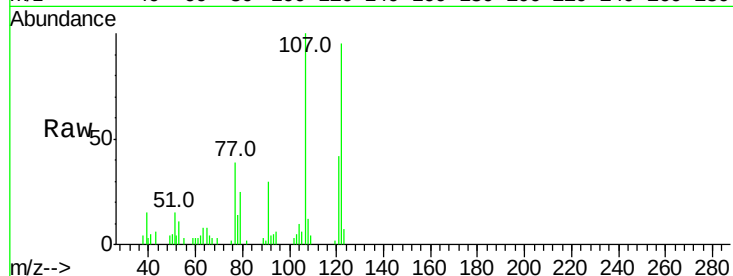




#27
 2,4-Dimethylphenol
 Concen: 5.426 ng
 RT: 10.74 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: BG032177.D
 Acq: 20 Jan 2018 8:53

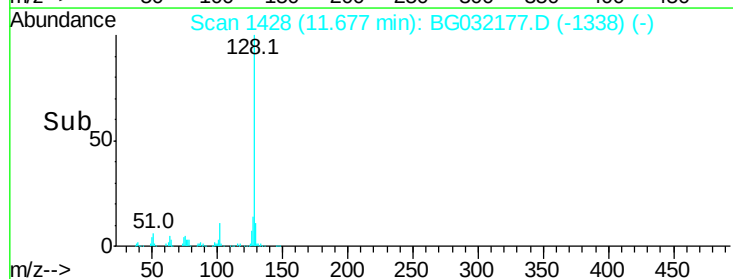
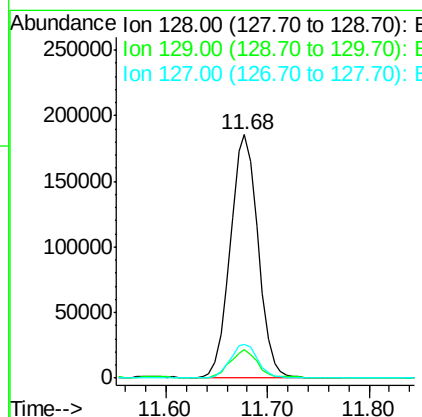
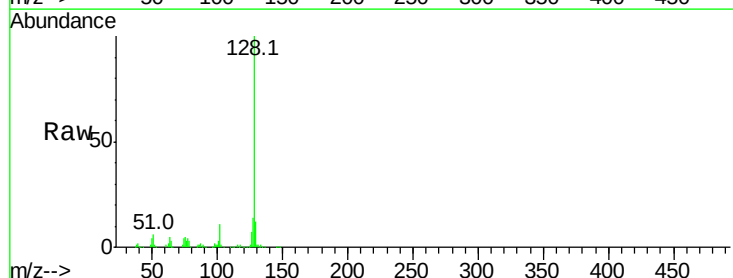
Instrument :
 BNA_G
 ClientSampleId :

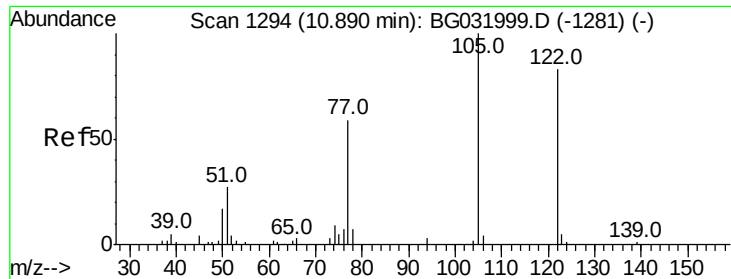
Tot Ion:122 Resp: 11128
 Ion Ratio Lower Upper
 122 100
 107 104.9 100.2 150.2
 121 44.0 44.4 66.6#



#31
 Naphthalene
 Concen: 48.036 ng
 RT: 11.68 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: BG032177.D
 Acq: 20 Jan 2018 8:53

Tgt Ion:128 Resp: 352009
 Ion Ratio Lower Upper
 128 100
 129 11.5 8.6 12.8
 127 13.7 11.6 17.4

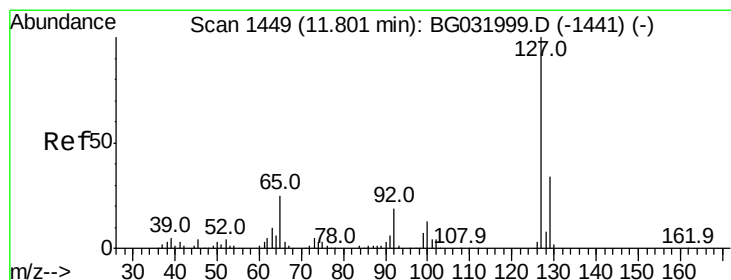
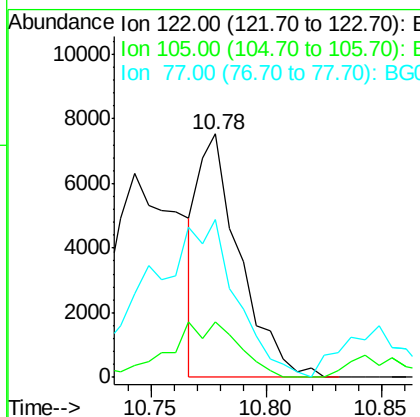
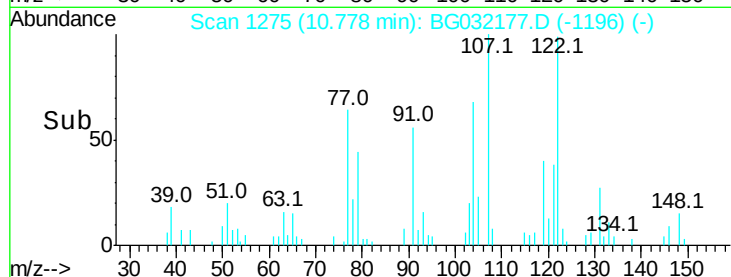
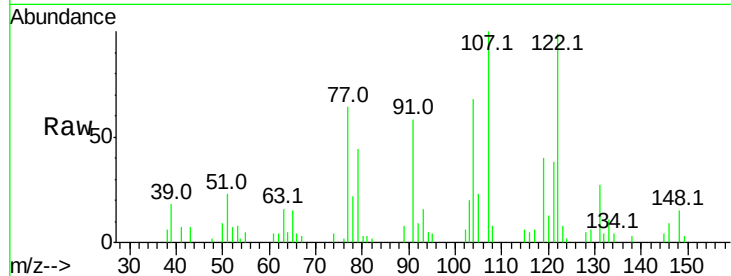




#32
Benzoic acid
Concen: 10.320 ng
RT: 10.78 min Scan# 1275
Delta R.T. -0.07 min
Lab File: BG032177.D
Acq: 20 Jan 2018 8:53

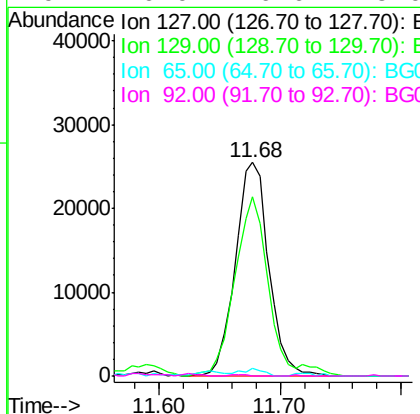
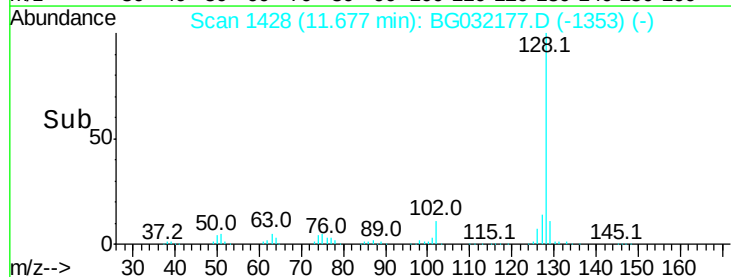
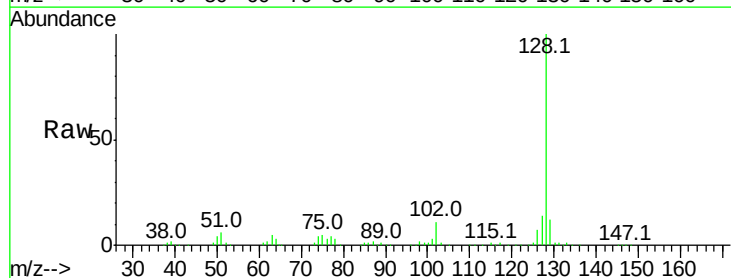
Instrument :
BNA_G
ClientSampleId :

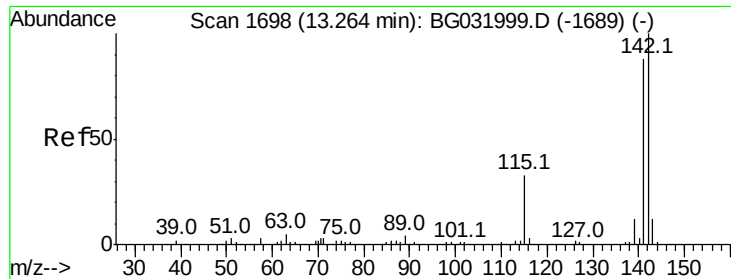
Tot Ion	Ratio	Lower	Upper
122	100		
105	23.0	123.5	163.5#
77	64.6	85.7	125.7#



#33
4-Chloroaniline
Concen: 15.634 ng
RT: 11.68 min Scan# 1428
Delta R.T. -0.09 min
Lab File: BG032177.D
Acq: 20 Jan 2018 8:53

Tgt Ion	Ratio	Lower	Upper
127	100		
129	83.8	24.0	36.0#
65	3.8	27.0	40.4#
92	0.0	16.6	25.0#

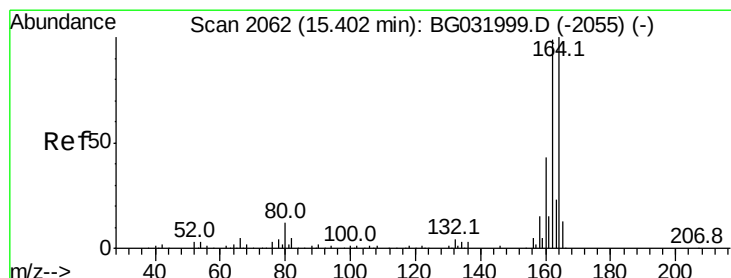
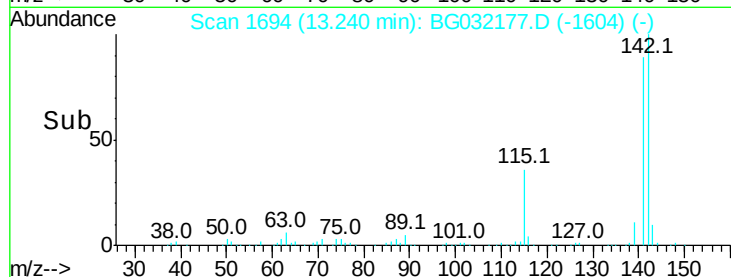
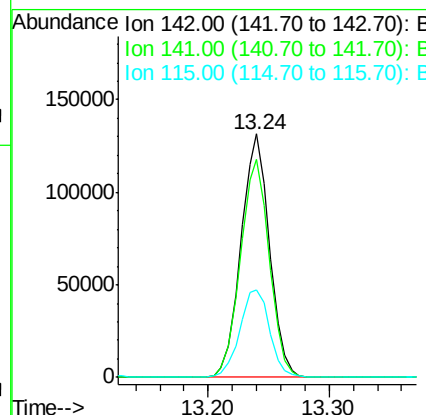
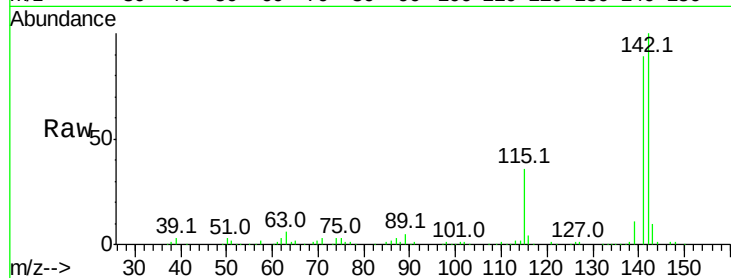




#37
2-Methylnaphthalene
Concen: 37.121 ng
RT: 13.24 min Scan# 1694
Delta R.T. -0.00 min
Lab File: BG032177.D
Acq: 20 Jan 2018 8:53

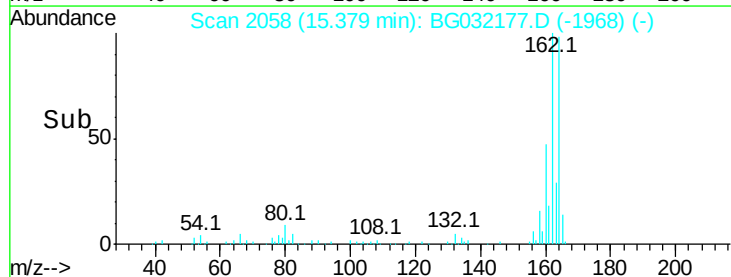
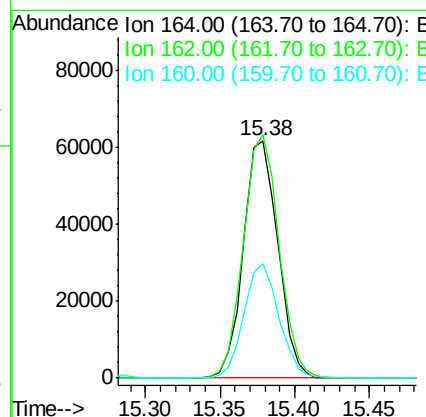
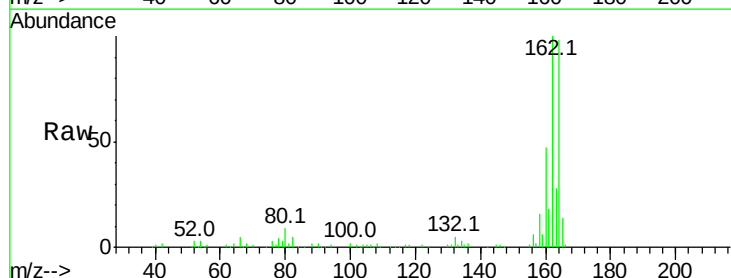
Instrument :
BNA_G
ClientSampleId :

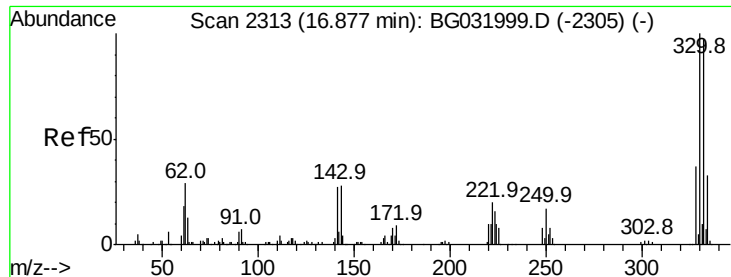
Tot Ion:142 Resp: 215969
Ion Ratio Lower Upper
142 100
141 89.3 67.1 100.7
115 35.8 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.38 min Scan# 2058
Delta R.T. -0.00 min
Lab File: BG032177.D
Acq: 20 Jan 2018 8:53

Tgt Ion:164 Resp: 98986
Ion Ratio Lower Upper
164 100
162 102.5 78.8 118.2
160 48.3 35.4 53.0

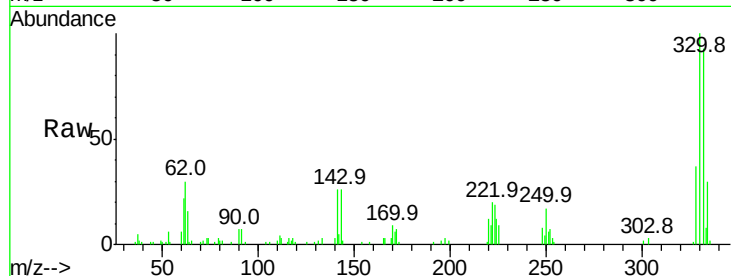




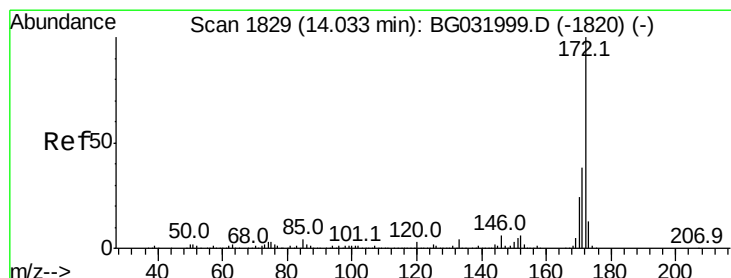
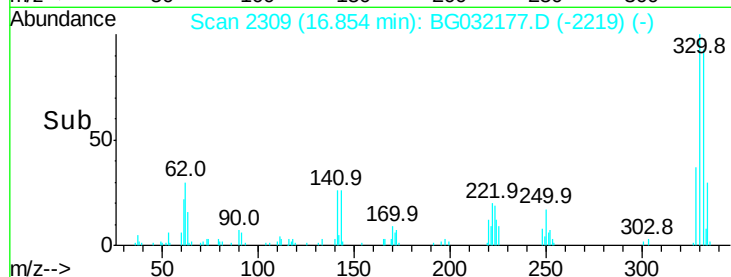
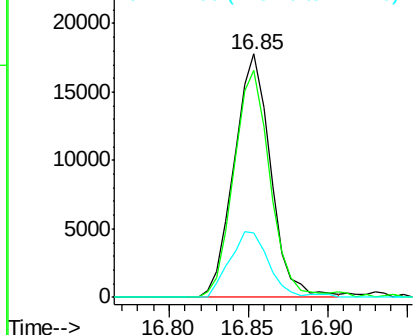
#41
 2,4,6-Tribromophenol
 Concen: 17.315 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032177.D
 Acq: 20 Jan 2018 8:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 28361
 Ion Ratio Lower Upper
 330 100
 332 93.2 77.0 115.6
 141 29.2 25.2 37.8

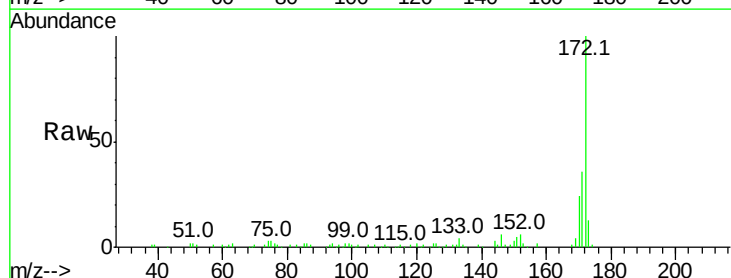


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

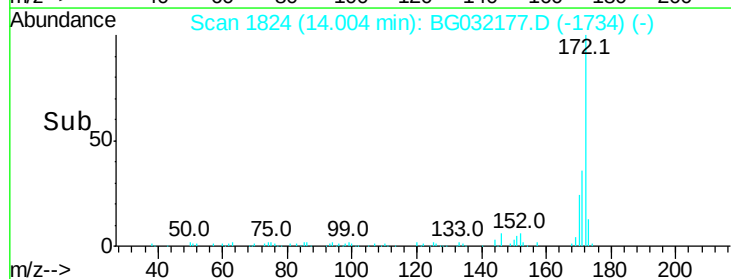
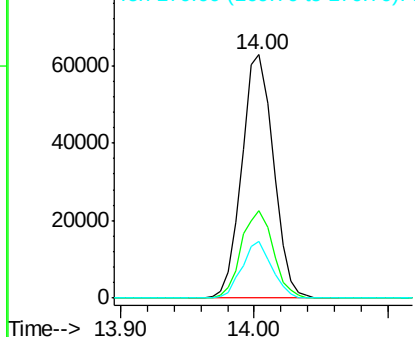


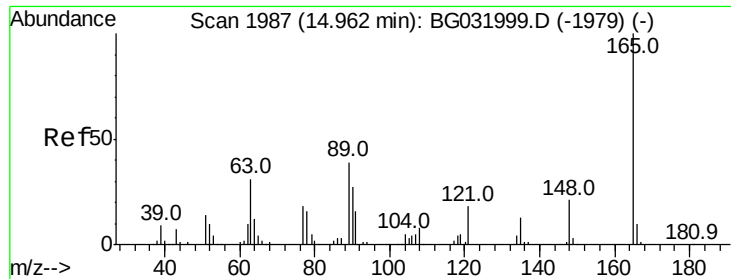
#44
 2-Fluorobiphenyl
 Concen: 12.858 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032177.D
 Acq: 20 Jan 2018 8:53

Tgt Ion:172 Resp: 102649
 Ion Ratio Lower Upper
 172 100
 171 36.1 30.0 45.0
 170 23.5 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

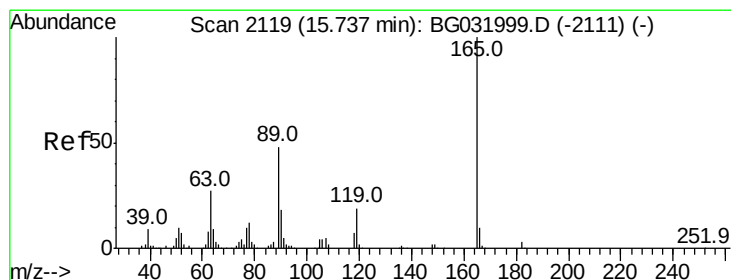
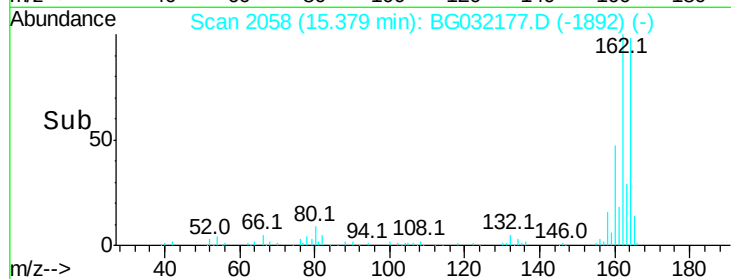
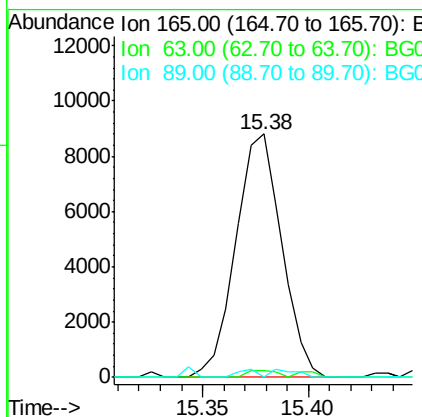
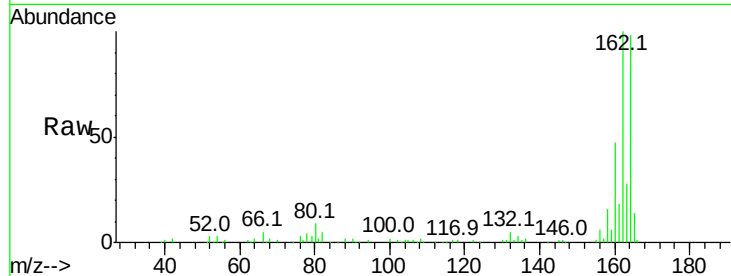




#50
 2,6-Dinitrotoluene
 Concen: 7.375 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. 0.44 min
 Lab File: BG032177.D
 Acq: 20 Jan 2018 8:53

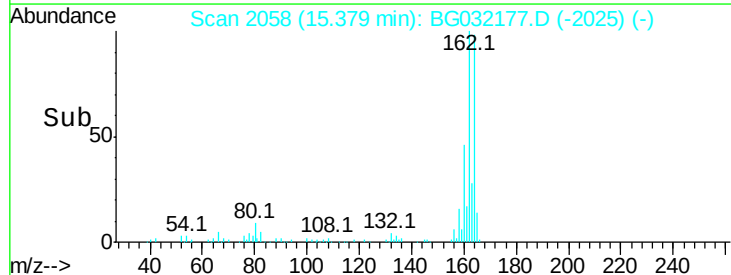
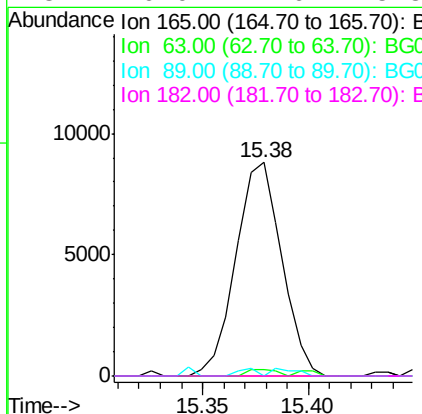
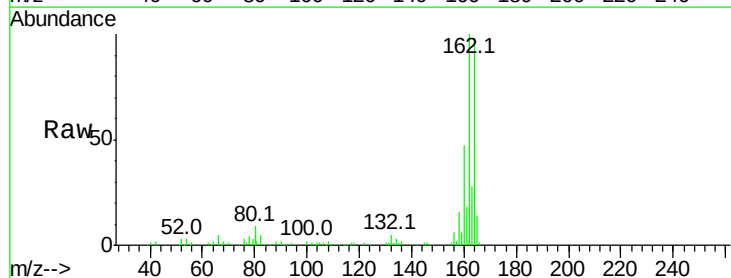
Instrument :
 BNA_G
 ClientSampleId :

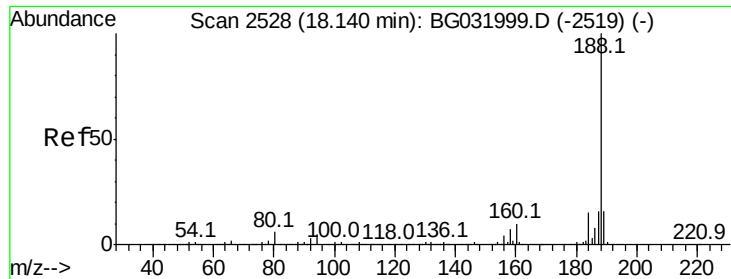
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.7	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.478 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. -0.34 min
 Lab File: BG032177.D
 Acq: 20 Jan 2018 8:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

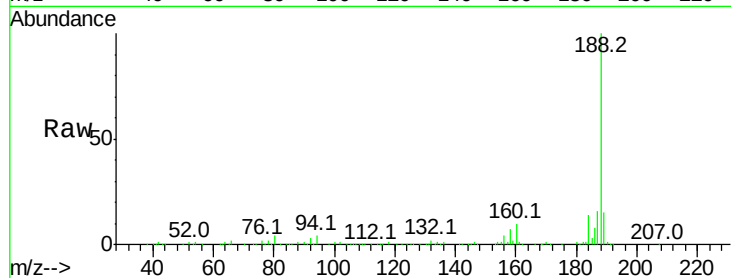




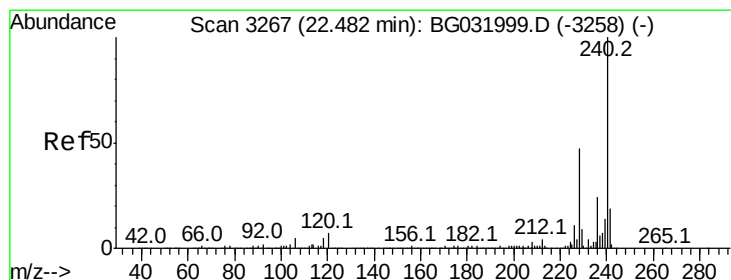
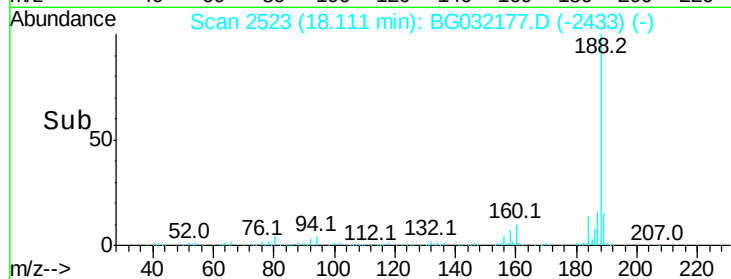
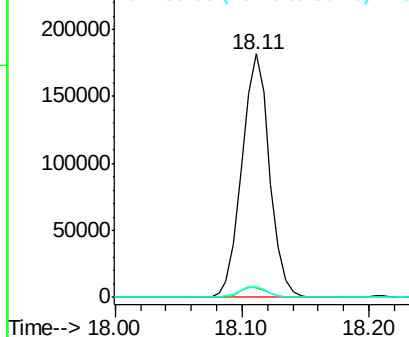
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.11 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BG032177.D
Acq: 20 Jan 2018 8:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	4.0	6.9	10.3#
80	4.4	7.7	11.5#

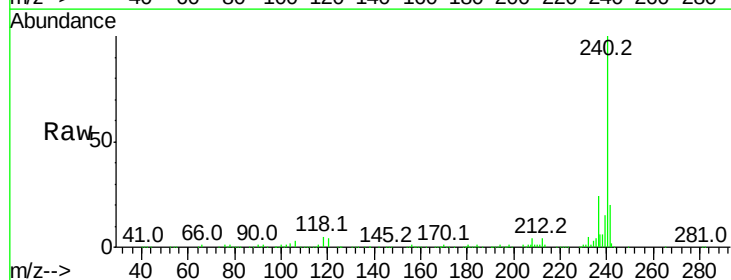


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

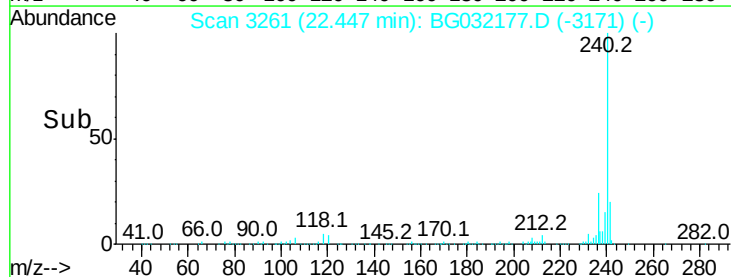
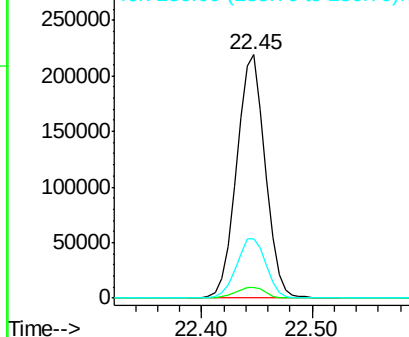


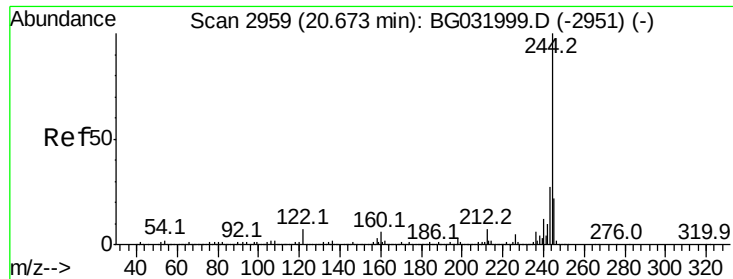
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.45 min Scan# 3261
Delta R.T. -0.00 min
Lab File: BG032177.D
Acq: 20 Jan 2018 8:53

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.5	6.8	10.2#
236	24.4	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: 13.133 ng

RT: 20.64 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BG032177.D

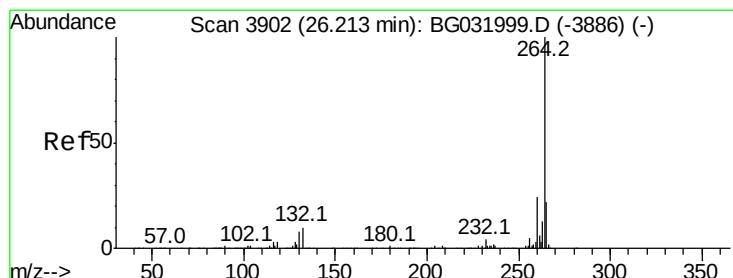
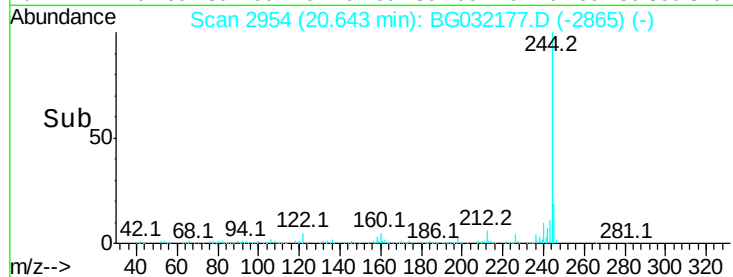
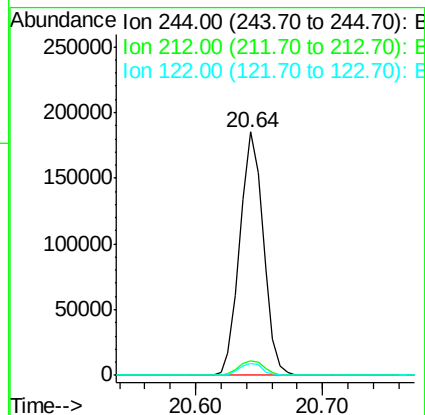
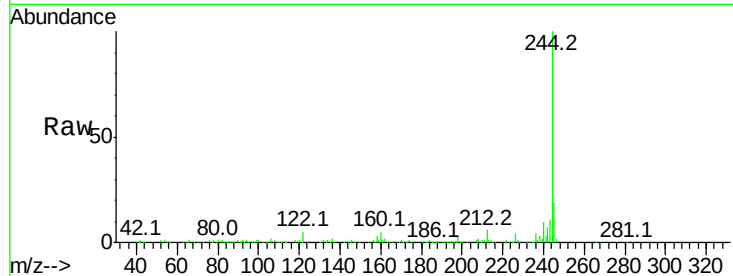
Acq: 20 Jan 2018 8:53

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	244	Resp:	237343
Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.8	8.8
122	4.8	7.0	10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.14 min Scan# 3890

Delta R.T. -0.01 min

Lab File: BG032177.D

Acq: 20 Jan 2018 8:53

Tgt Ion:	264	Resp:	406327
Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	22.1	17.7	26.5

