

Data Path : U:\HPCHEM1\BNA G\DATA\BG012018\
 Data File : BG032203.D
 Acq On : 21 Jan 2018 6:34
 Operator : SJ/JU
 Sample : J1214-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 22 06:01:46 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	43249	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	183427	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	110000	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	291445	20.00	ng	0.00
75) Chrysene-d12	22.44	240	400214	20.00	ng	0.00
86) Perylene-d12	26.14	264	433916	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.17	112	288333	121.93	ng	0.00
7) Phenol-d6	7.85	99	331015	111.15	ng	0.00
23) Nitrobenzene-d5	9.94	82	242148	89.31	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	290112	159.38	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	746431	84.14	ng	0.00
78) Terphenyl-d14	20.64	244	1127095	62.18	ng	0.00

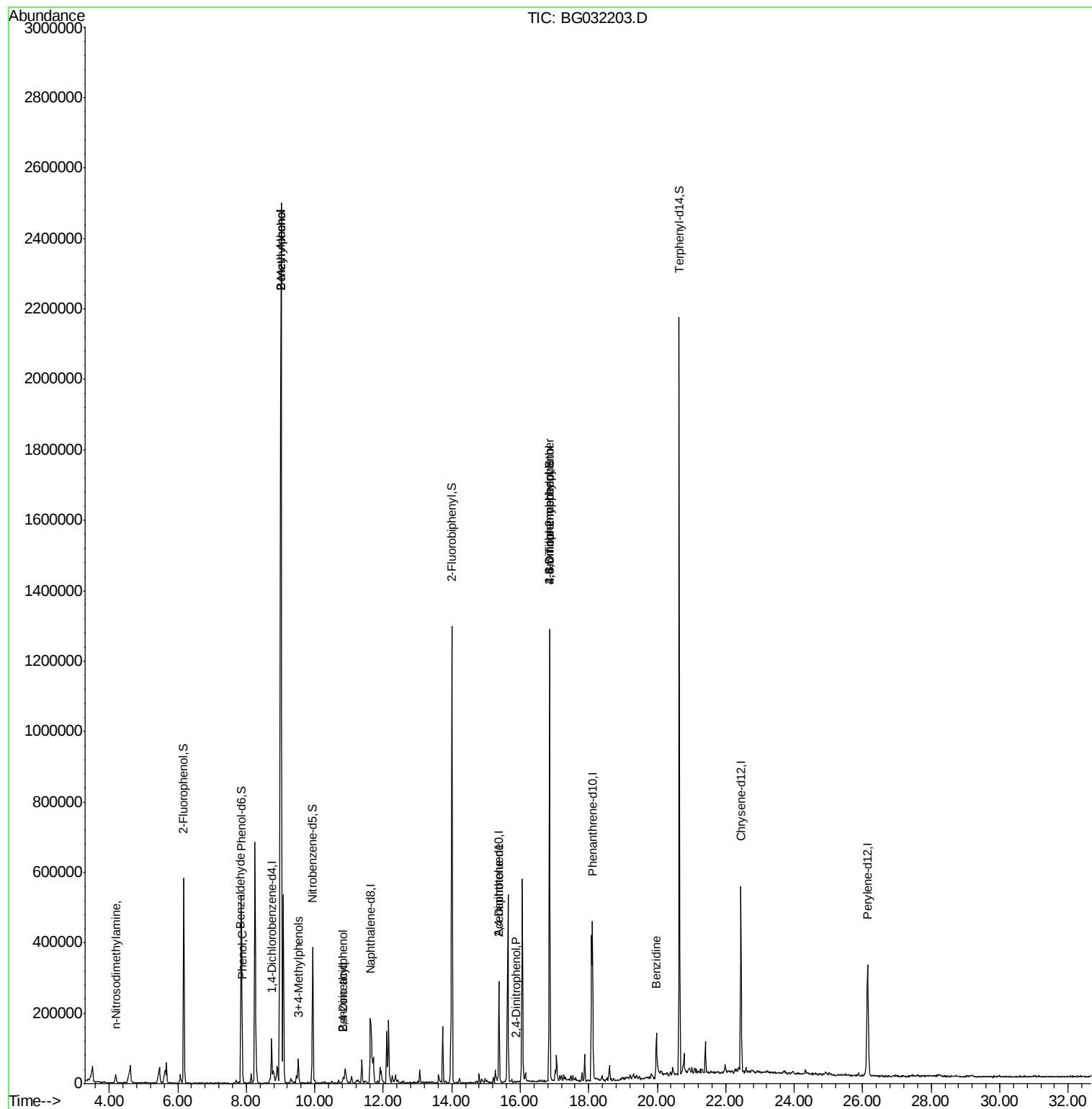
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	4.19	42	2587	3.037	ng	# 1
9) Benzaldehyde	7.83	77	10990	6.369	ng	89
10) Phenol	7.88	94	41238	14.056	ng	93
15) Benzyl Alcohol	9.02	79	1307856	604.497	ng	95
17) 2-Methylphenol	9.01	107	704256	314.111	ng	# 13
20) 3+4-Methylphenols	9.51	107	15582	5.017	ng	95
27) 2,4-Dimethylphenol	10.82	122	11726	4.611	ng	# 1
32) Benzoic acid	10.82	122	11726	10.375	ng	# 75
53) 2,4-Dinitrophenol	15.87	184	60	7.018	ng	# 1
56) 2,4-Dinitrotoluene	15.37	165	14906	5.541	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.85	198	1038	5.384	ng	# 1
66) 4-Bromophenyl-phenylether	16.85	248	23059	5.561	ng	# 1
76) Benzidine	19.97	184	189391	18.924	ng	# 83

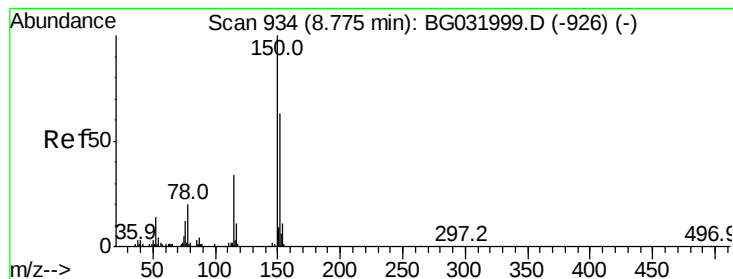
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG032203.D

Acq: 21 Jan 2018 6:34

Instrument :

BNA_G

ClientSampleId :

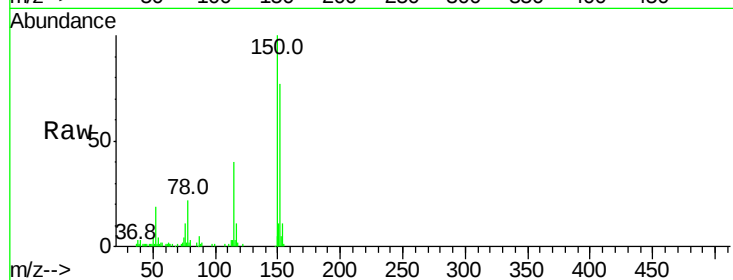
Tot Ion:152 Resp: 43249

Ion Ratio Lower Upper

152 100

150 130.6 126.6 189.8

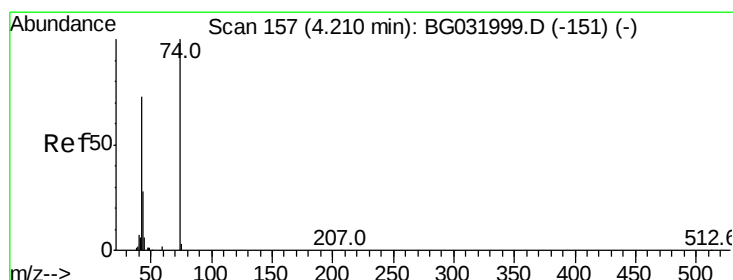
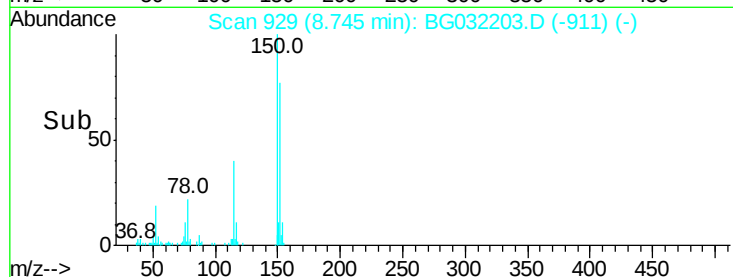
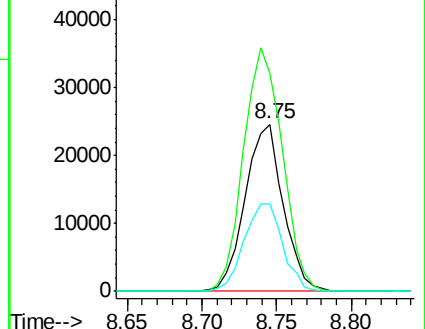
115 52.7 53.0 79.4#



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



#4

n-Nitrosodimethylamine

Concen: 3.037 ng

RT: 4.19 min Scan# 154

Delta R.T. -0.00 min

Lab File: BG032203.D

Acq: 21 Jan 2018 6:34

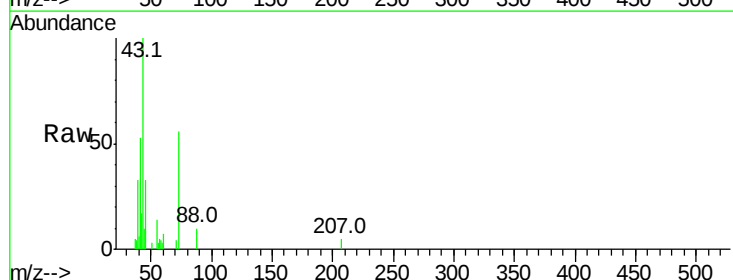
Tgt Ion: 42 Resp: 2587

Ion Ratio Lower Upper

42 100

74 0.0 102.5 153.7#

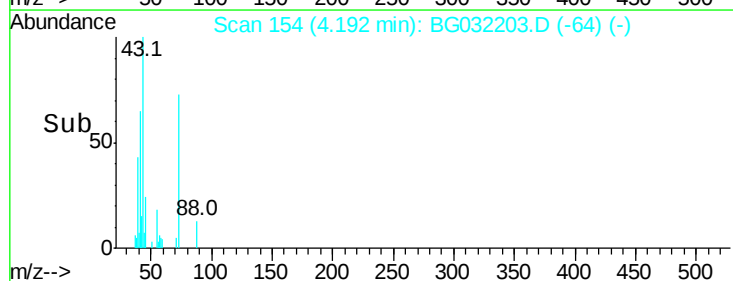
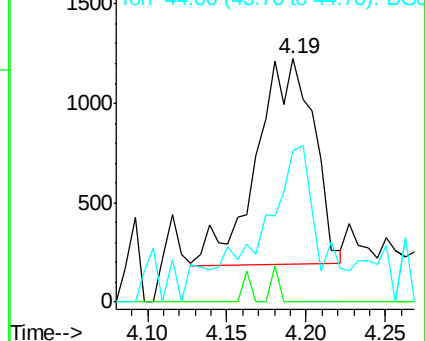
44 62.0 18.9 28.3#

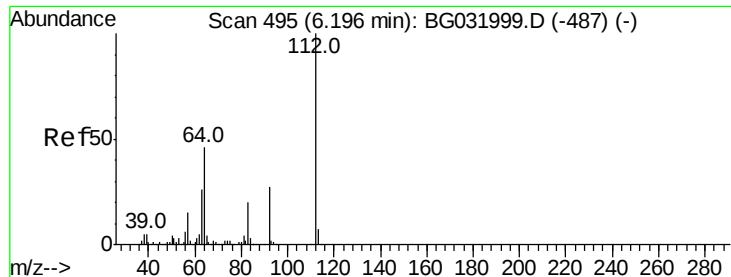


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 121.932 ng

RT: 6.17 min Scan# 491

Delta R.T. 0.00 min

Lab File: BG032203.D

Acq: 21 Jan 2018 6:34

Instrument :

BNA_G

ClientSampleId :

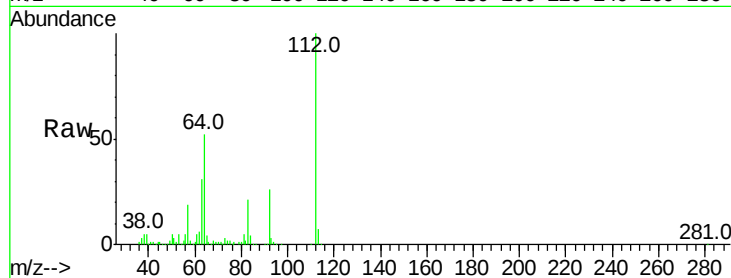
Tot Ion:112 Resp: 288333

Ion Ratio Lower Upper

112 100

64 52.1 56.3 84.5#

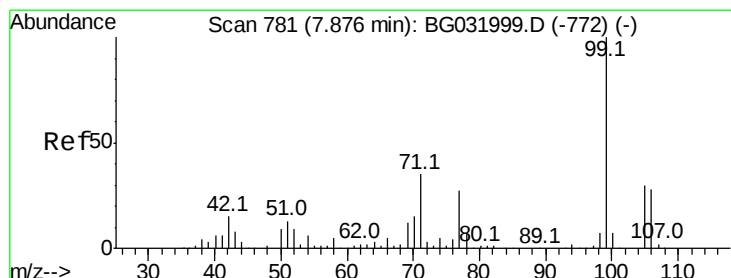
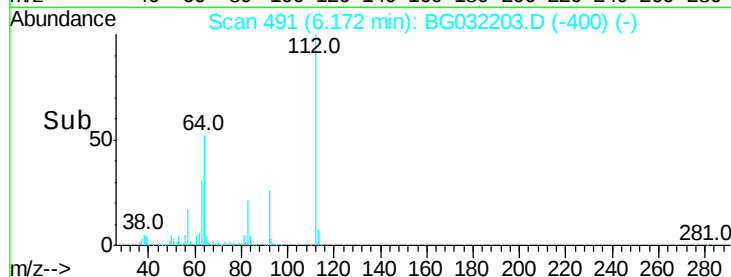
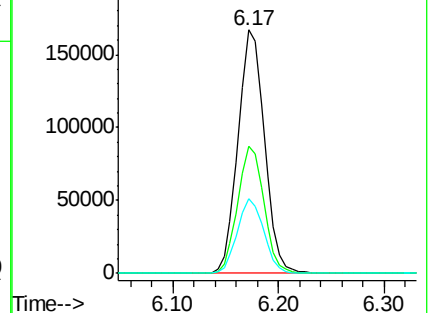
63 30.5 30.1 45.1



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: 111.146 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032203.D

Acq: 21 Jan 2018 6:34

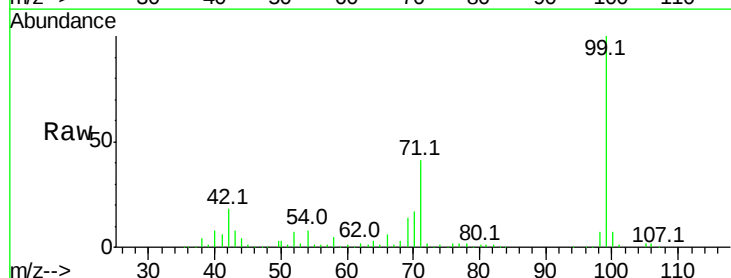
Tgt Ion: 99 Resp: 331015

Ion Ratio Lower Upper

99 100

42 17.6 14.1 21.1

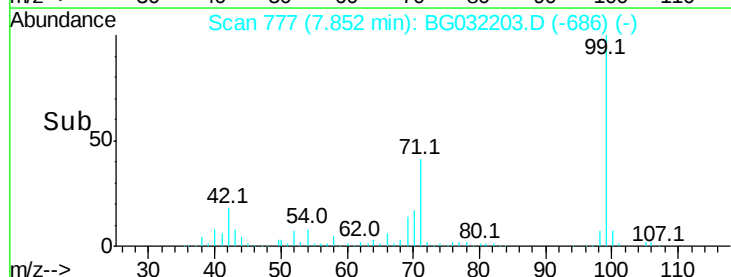
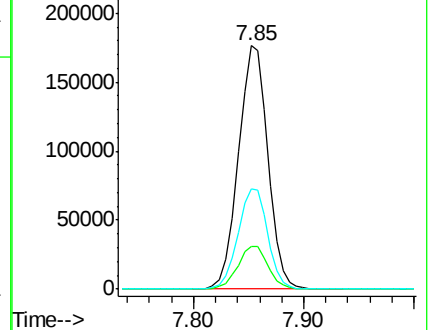
71 41.3 26.1 39.1#

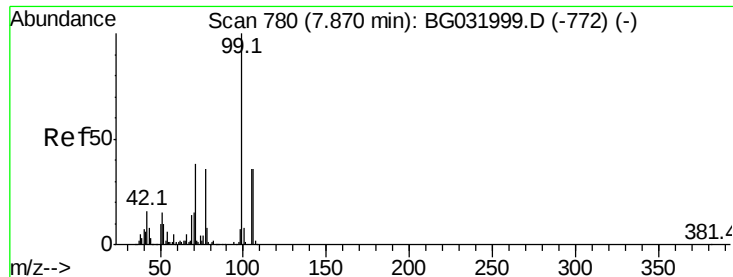


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

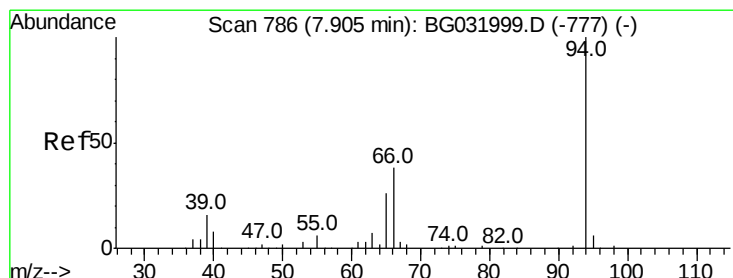
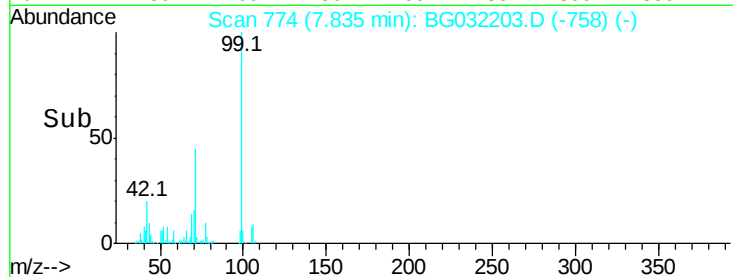
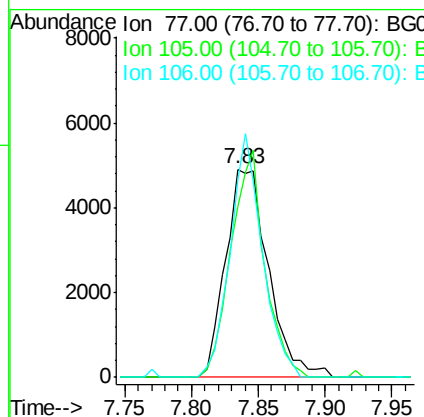
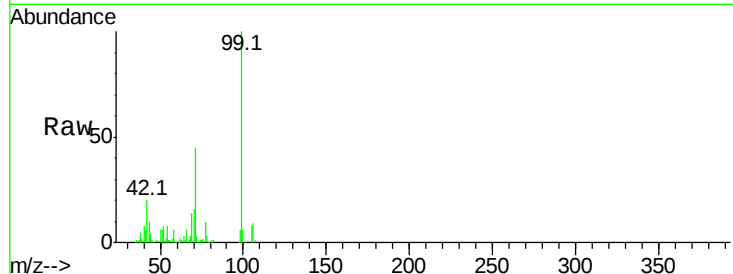




#9
Benzaldehyde
Concen: 6.369 ng
RT: 7.83 min Scan# 774
Delta R.T. -0.01 min
Lab File: BG032203.D
Acq: 21 Jan 2018 6:34

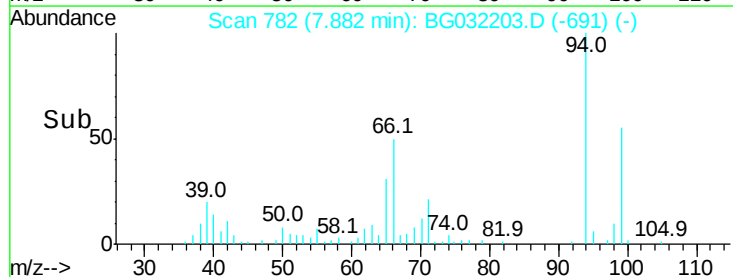
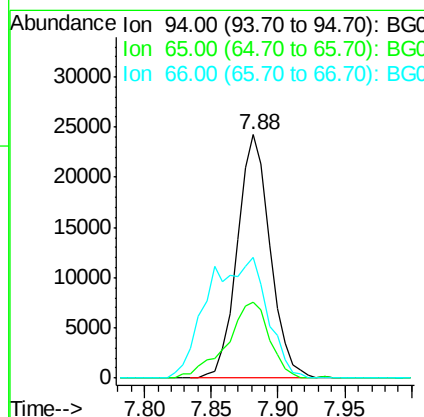
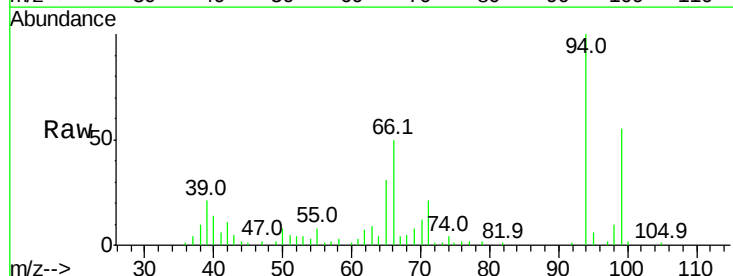
Instrument :
BNA_G
ClientSampled :

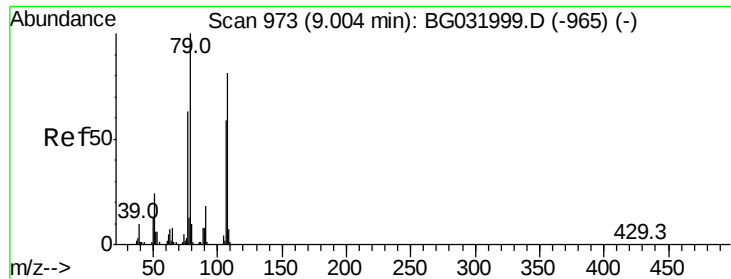
Tot Ion: 77 Resp: 10990
Ion Ratio Lower Upper
77 100
105 81.8 71.3 111.3
106 94.8 64.2 104.2



#10
Phenol
Concen: 14.056 ng
RT: 7.88 min Scan# 782
Delta R.T. 0.00 min
Lab File: BG032203.D
Acq: 21 Jan 2018 6:34

Tgt Ion: 94 Resp: 41238
Ion Ratio Lower Upper
94 100
65 31.3 11.9 51.9
66 49.6 22.2 62.2





#15

Benzyl Alcohol

Concen: 604.497 ng

RT: 9.02 min Scan# 975

Delta R.T. 0.04 min

Lab File: BG032203.D

Acq: 21 Jan 2018 6:34

Instrument :

BNA_G

ClientSampleId :

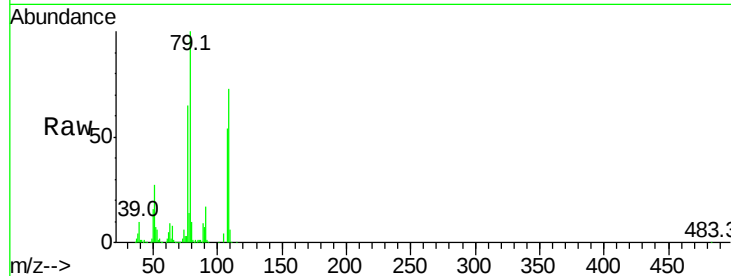
Tot Ion: 79 Resp: 1307856

Ion Ratio Lower Upper

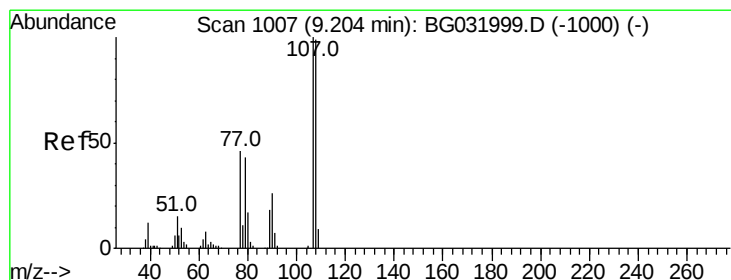
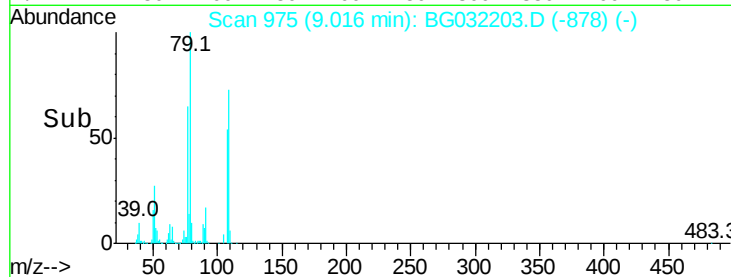
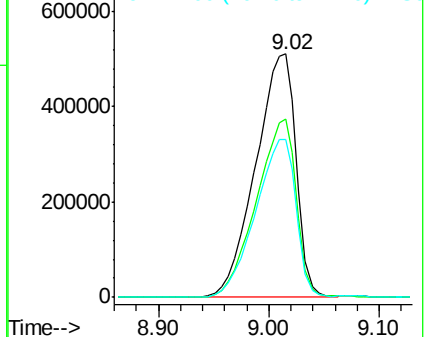
79 100

108 73.3 57.2 85.8

77 64.6 46.1 69.1



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



#17

2-Methylphenol

Concen: 314.111 ng

RT: 9.01 min Scan# 974

Delta R.T. -0.17 min

Lab File: BG032203.D

Acq: 21 Jan 2018 6:34

Tgt Ion: 107 Resp: 704256

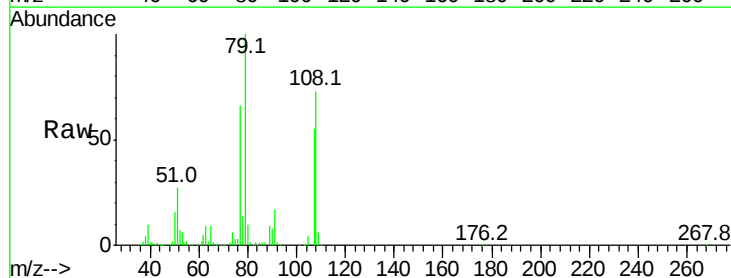
Ion Ratio Lower Upper

107 100

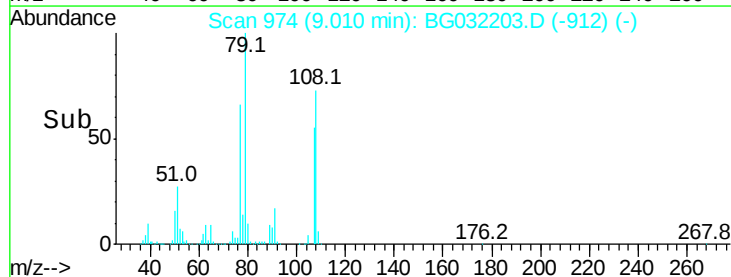
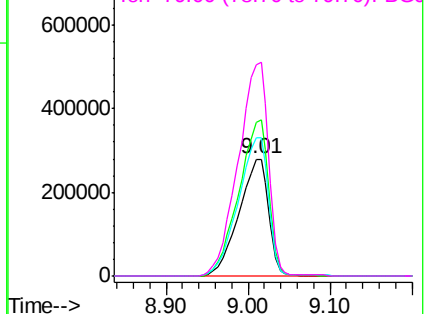
108 131.5 83.9 125.9#

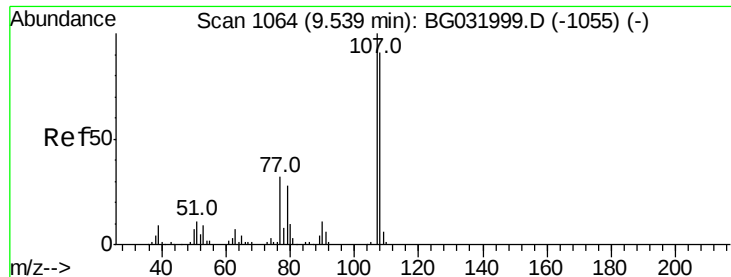
77 118.7 37.2 55.8#

79 181.1 36.2 54.2#



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





#20

3+4-Methylphenols

Concen: 5.017 ng

RT: 9.51 min Scan# 1059

Delta R.T. -0.00 min

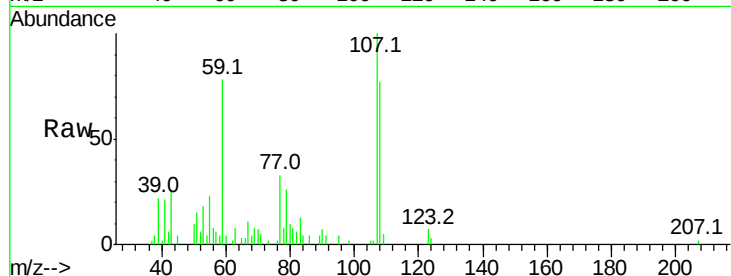
Lab File: BG032203.D

Acq: 21 Jan 2018 6:34

Instrument :

BNA_G

ClientSampleId :



Tot Ion:107 Resp: 15582

Ion Ratio Lower Upper

107 100

108 76.6 61.6 101.6

77 32.7 13.9 53.9

79 25.6 8.8 48.8

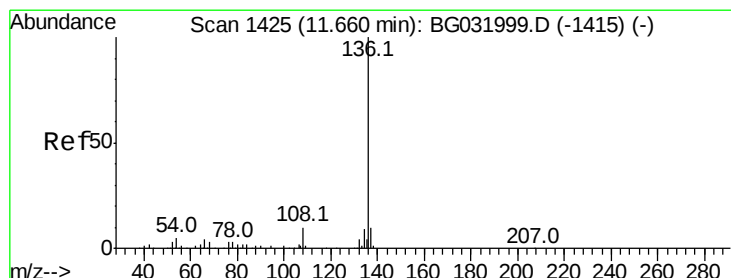
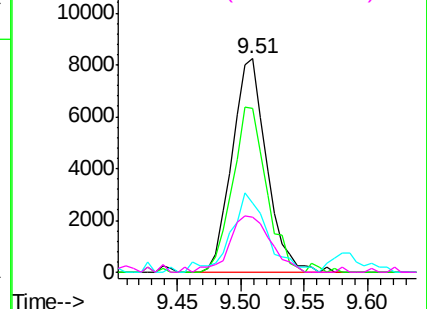
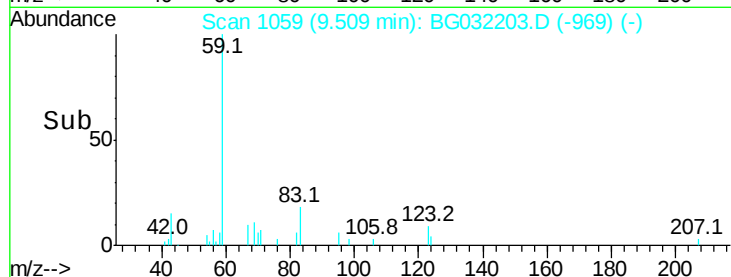
Abundance

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: BG032203.D

Acq: 21 Jan 2018 6:34

Tgt Ion:136 Resp: 183427

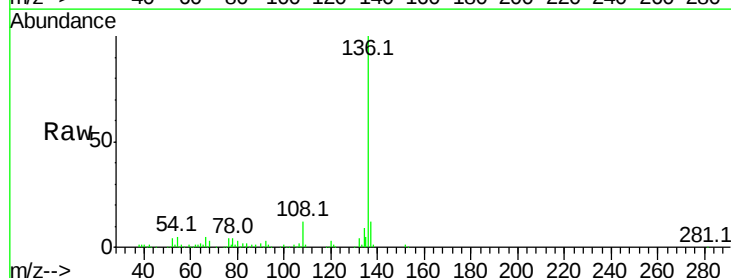
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 5.2 10.3 15.5#

68 2.6 4.5 6.7#



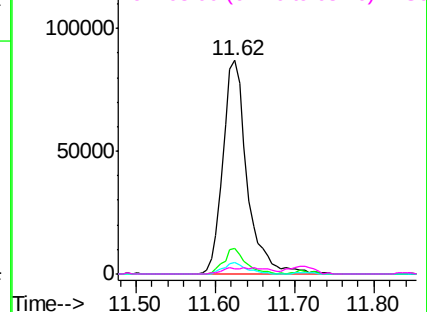
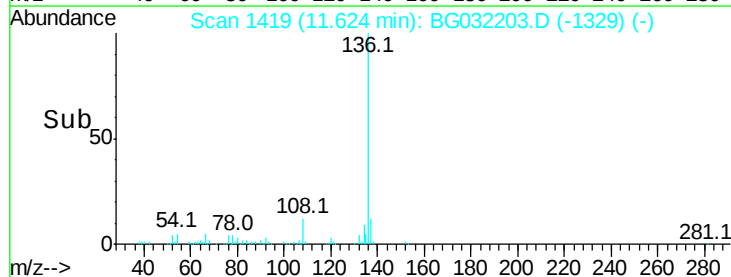
Abundance

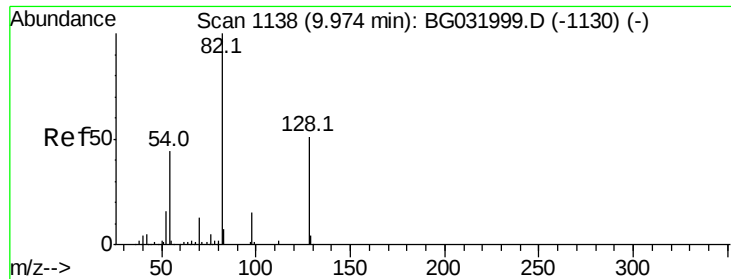
Ion 136.00 (135.70 to 136.70): E

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

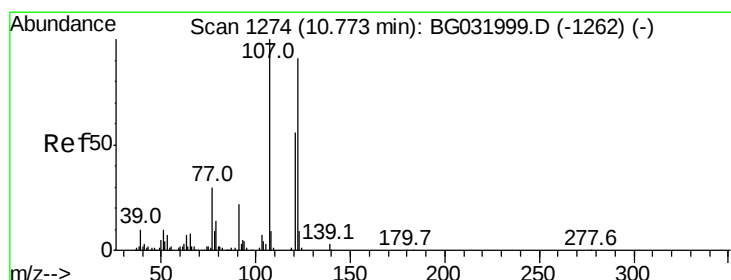
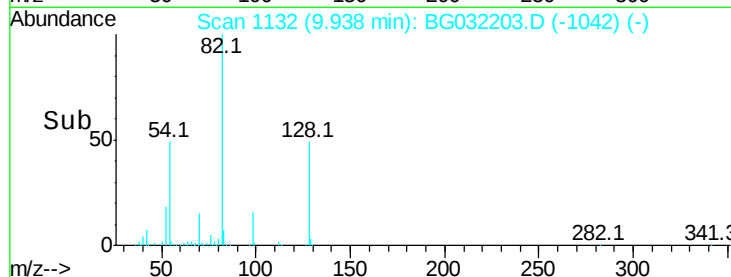
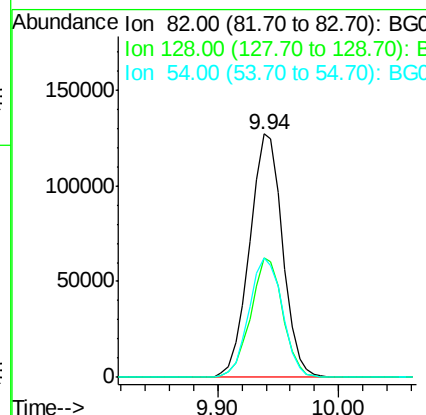
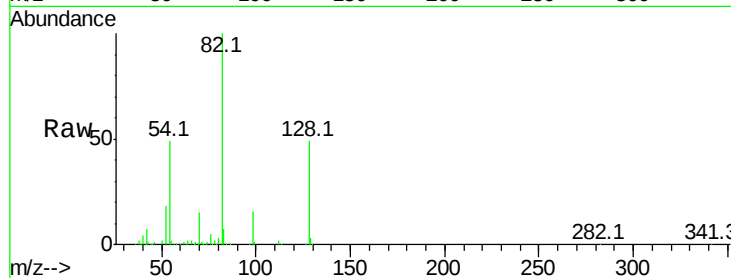




#23
 Nitrobenzene-d5
 Concen: 89.313 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: BG032203.D
 Acq: 21 Jan 2018 6:34

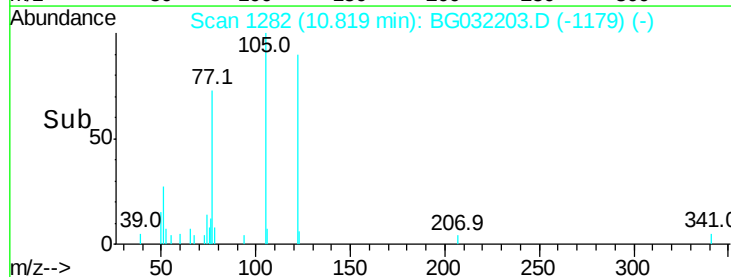
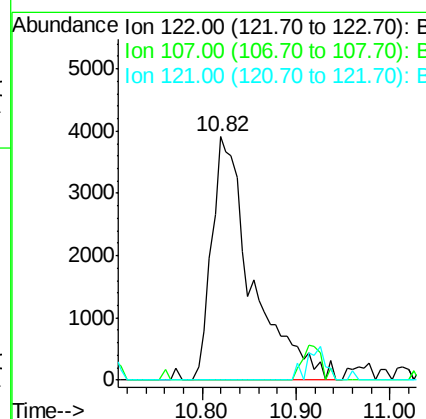
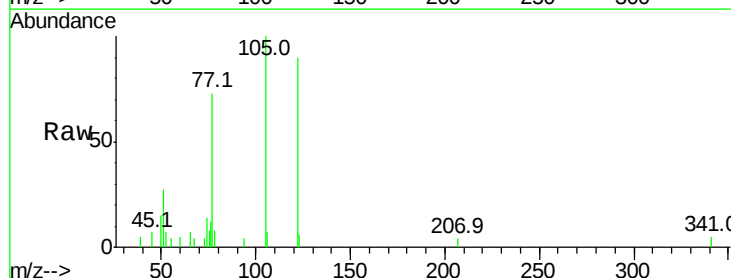
Instrument :
 BNA_G
 ClientSampleId :

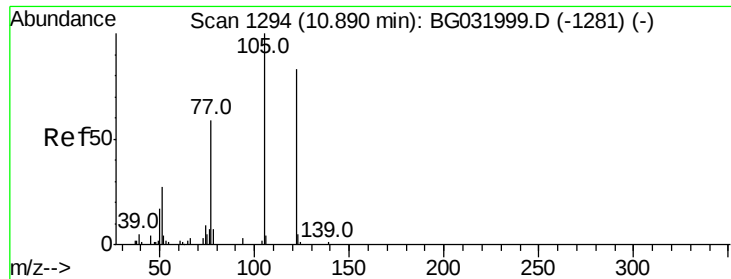
Tot Ion: 82 Resp: 242148
 Ion Ratio Lower Upper
 82 100
 128 49.0 29.7 44.5#
 54 49.2 43.1 64.7



#27
 2,4-Dimethylphenol
 Concen: 4.611 ng
 RT: 10.82 min Scan# 1282
 Delta R.T. 0.07 min
 Lab File: BG032203.D
 Acq: 21 Jan 2018 6:34

Tgt Ion:122 Resp: 11726
 Ion Ratio Lower Upper
 122 100
 107 0.0 100.2 150.2#
 121 0.0 44.4 66.6#

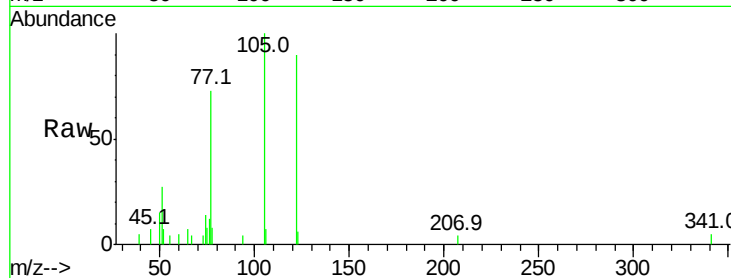




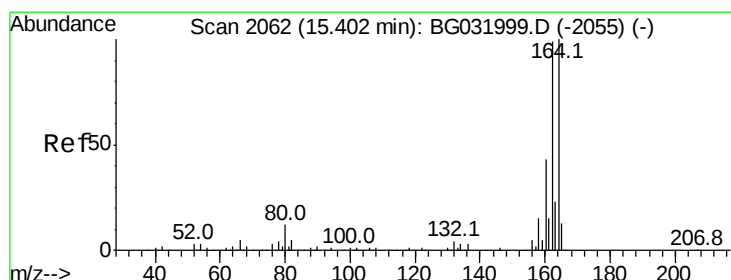
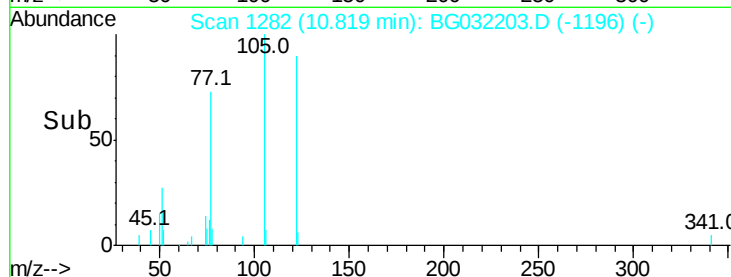
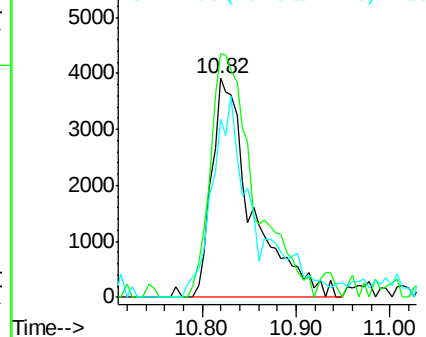
#32
Benzoic acid
Concen: 10.375 ng
RT: 10.82 min Scan# 1282
Delta R.T. -0.03 min
Lab File: BG032203.D
Acq: 21 Jan 2018 6:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 11726
Ion Ratio Lower Upper
122 100
105 111.1 123.5 163.5#
77 81.2 85.7 125.7#

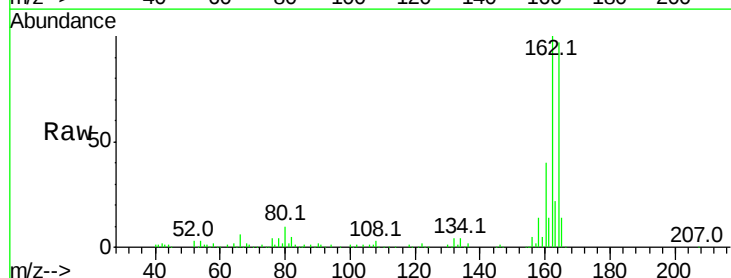


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

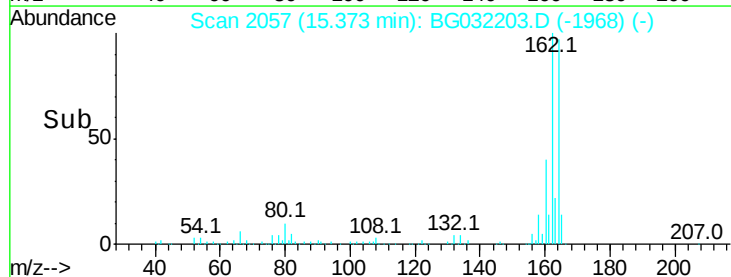
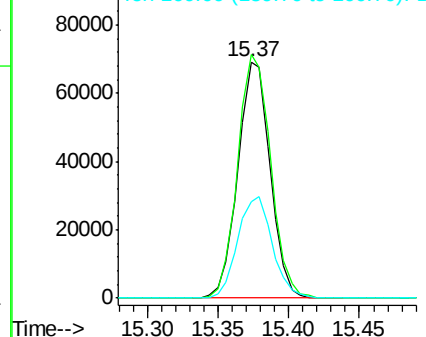


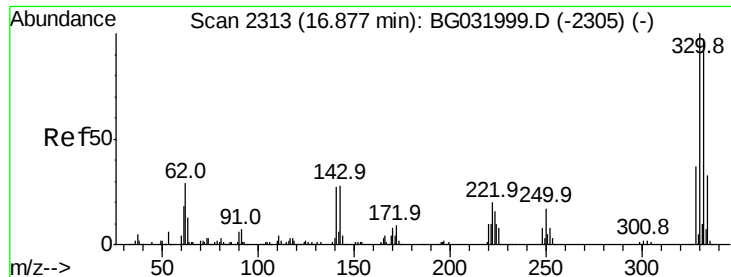
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.37 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BG032203.D
Acq: 21 Jan 2018 6:34

Tgt Ion:164 Resp: 110000
Ion Ratio Lower Upper
164 100
162 103.0 78.8 118.2
160 40.9 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

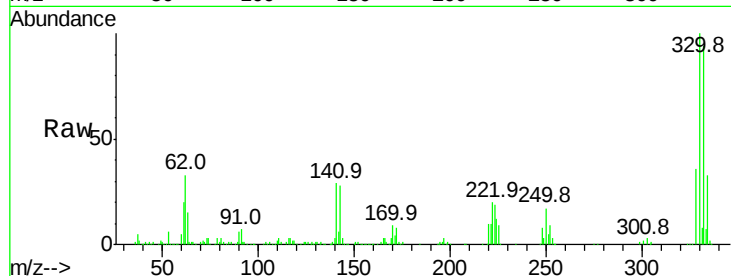




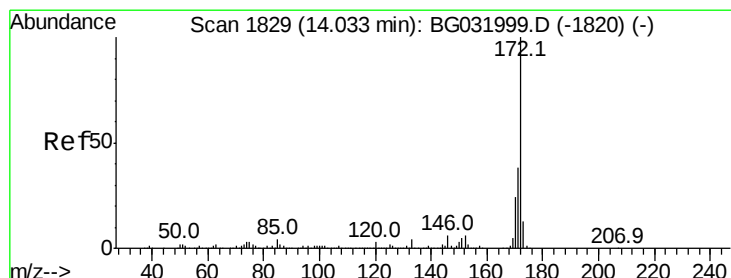
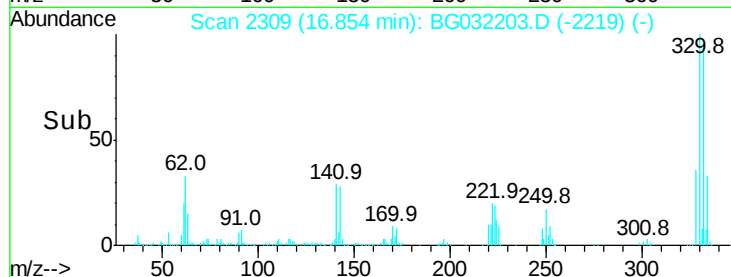
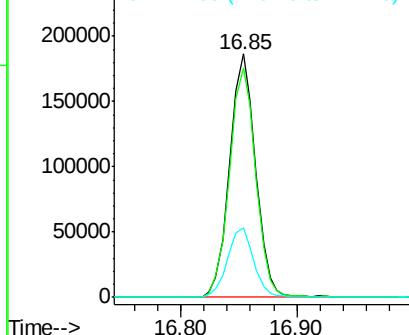
#41
 2,4,6-Tribromophenol
 Concen: 159.381 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032203.D
 Acq: 21 Jan 2018 6:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	28.9	25.2	37.8

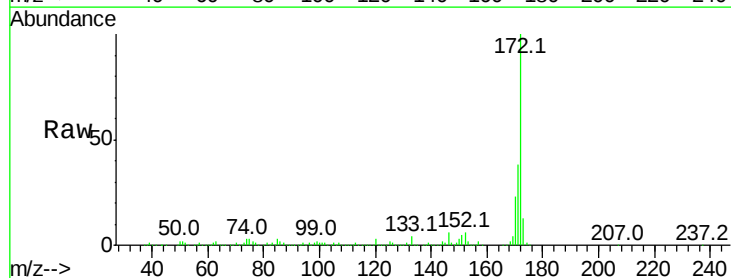


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

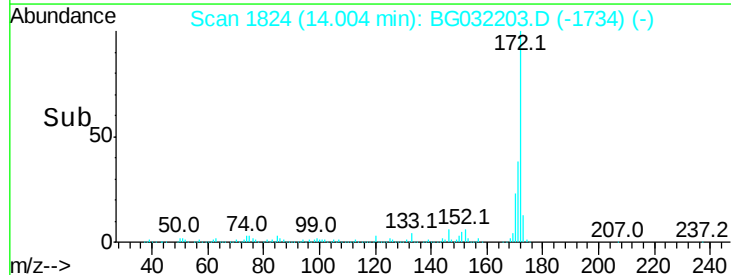
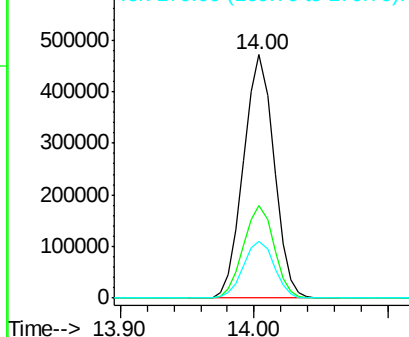


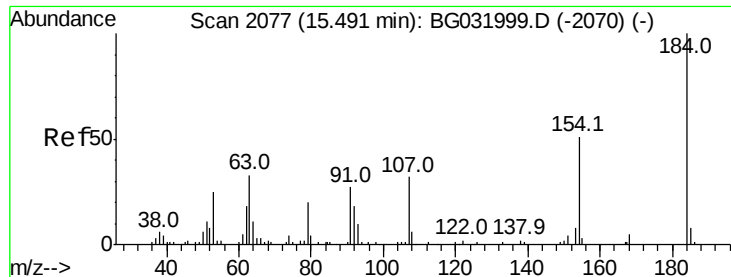
#44
 2-Fluorobiphenyl
 Concen: 84.140 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032203.D
 Acq: 21 Jan 2018 6:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	23.2	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

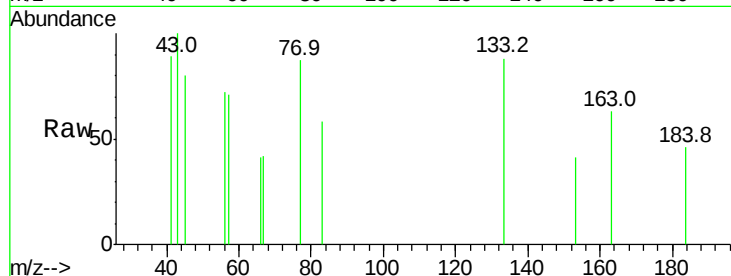




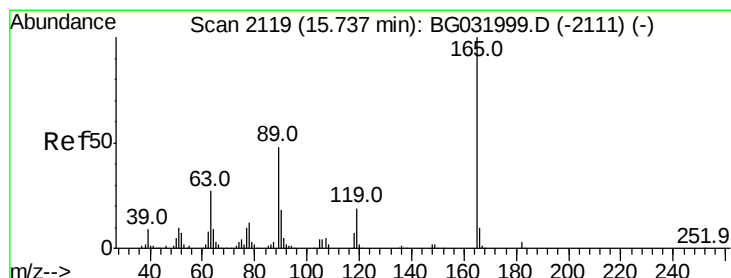
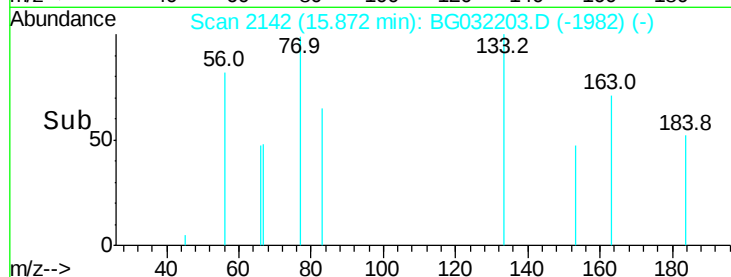
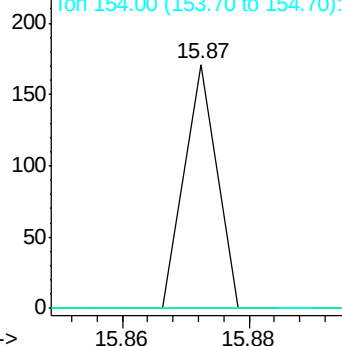
#53
 2,4-Dinitrophenol
 Concen: 7.018 ng
 RT: 15.87 min Scan# 2142
 Delta R.T. 0.41 min
 Lab File: BG032203.D
 Acq: 21 Jan 2018 6:34

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:184 Resp: 60
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

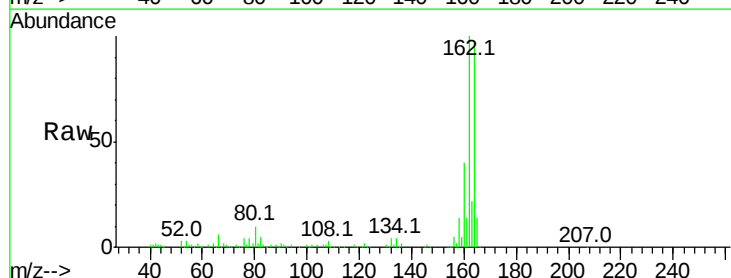


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

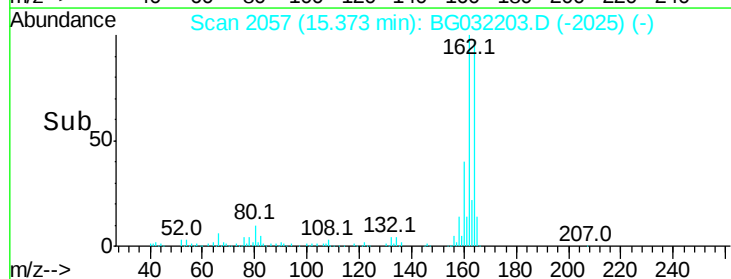
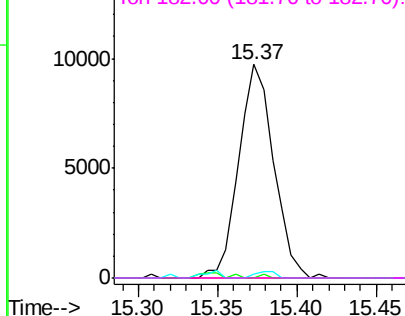


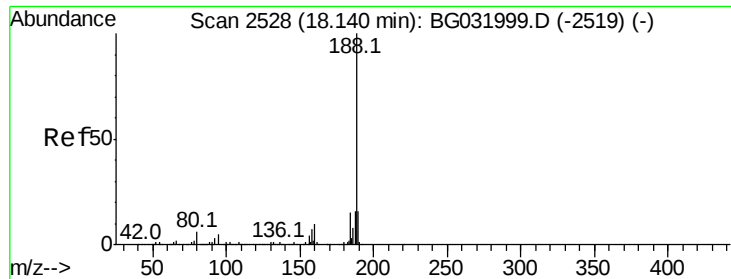
#56
 2,4-Dinitrotoluene
 Concen: 5.541 ng
 RT: 15.37 min Scan# 2057
 Delta R.T. -0.34 min
 Lab File: BG032203.D
 Acq: 21 Jan 2018 6:34

Tgt Ion:165 Resp: 14906
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.0 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: 18.11 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BG032203.D

Acq: 21 Jan 2018 6:34

Instrument :

BNA_G

ClientSampleId :

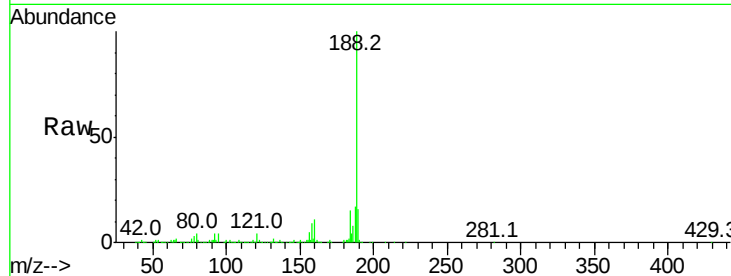
Tot Ion:188 Resp: 291445

Ion Ratio Lower Upper

188 100

94 4.3 6.9 10.3#

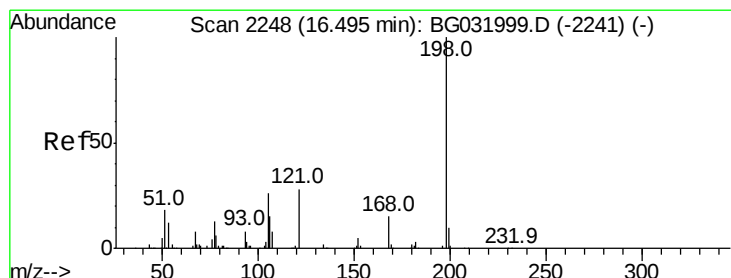
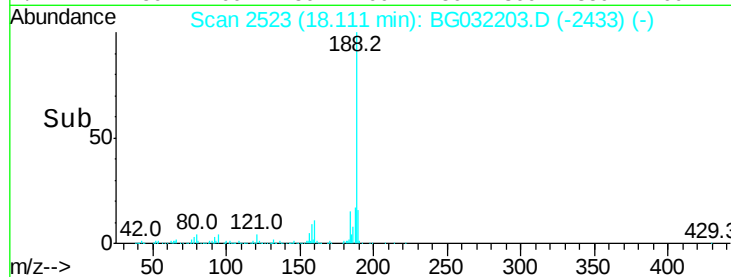
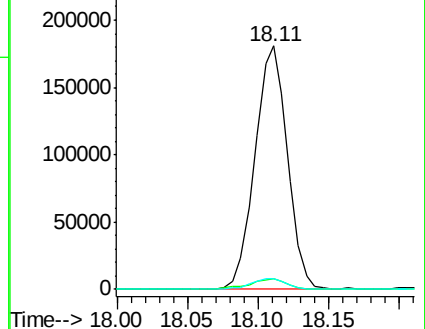
80 4.8 7.7 11.5#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.384 ng

RT: 16.85 min Scan# 2309

Delta R.T. 0.38 min

Lab File: BG032203.D

Acq: 21 Jan 2018 6:34

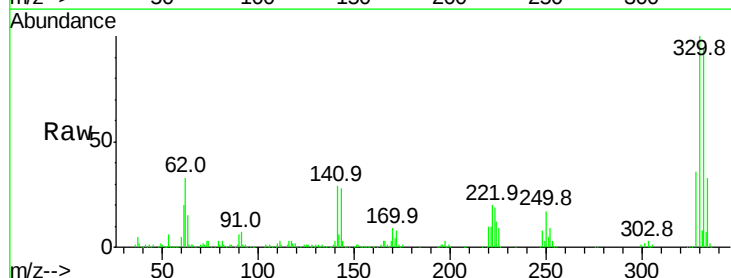
Tgt Ion:198 Resp: 1038

Ion Ratio Lower Upper

198 100

51 100.9 30.6 70.6#

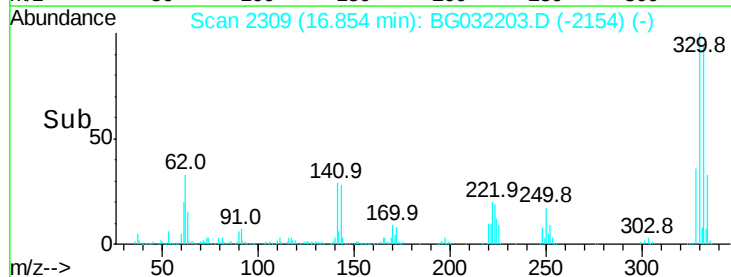
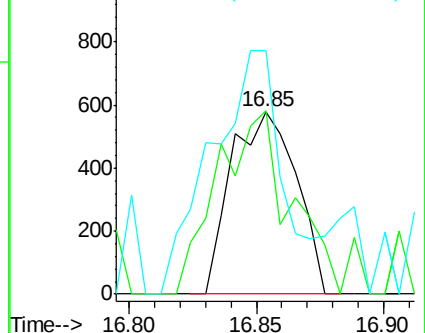
105 133.4 23.8 63.8#

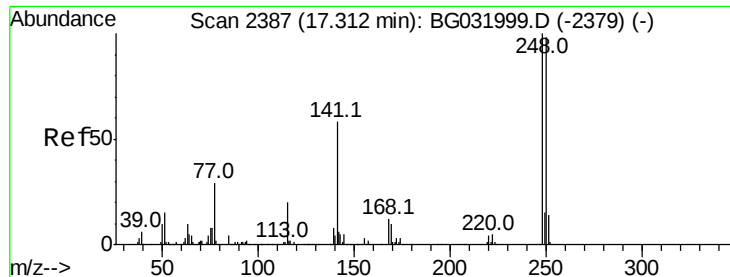


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

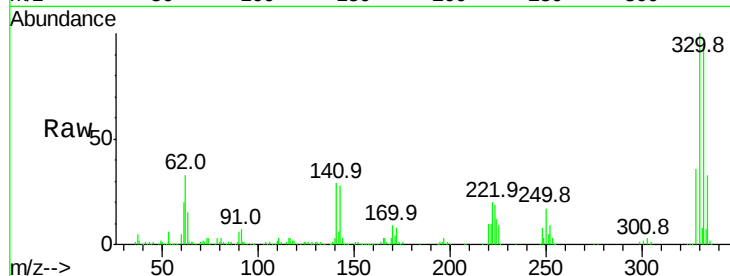




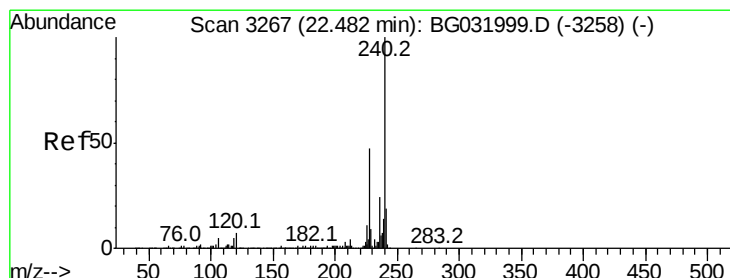
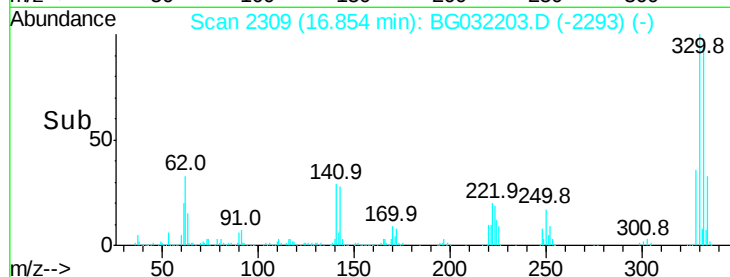
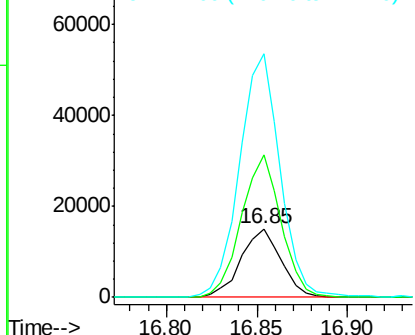
#66
4-Bromophenyl-phenylether
Concen: 5.561 ng
RT: 16.85 min Scan# 2309
Delta R.T. -0.44 min
Lab File: BG032203.D
Acq: 21 Jan 2018 6:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 23059
Ion Ratio Lower Upper
248 100
250 207.6 77.1 115.7#
141 355.1 50.8 76.2#

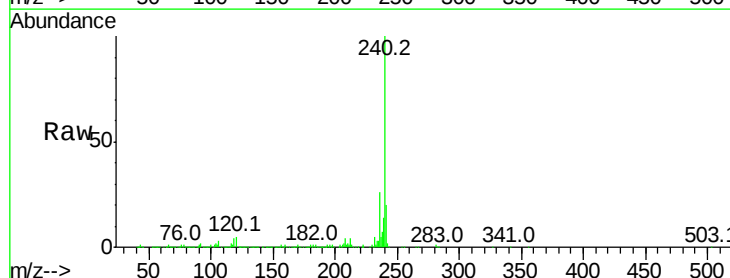


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

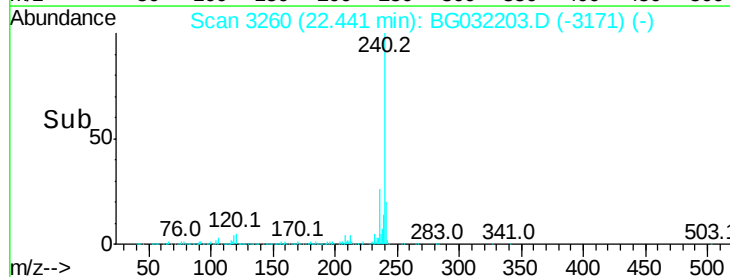
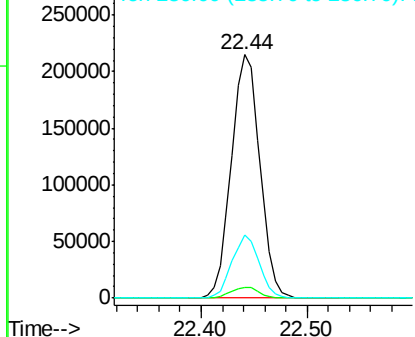


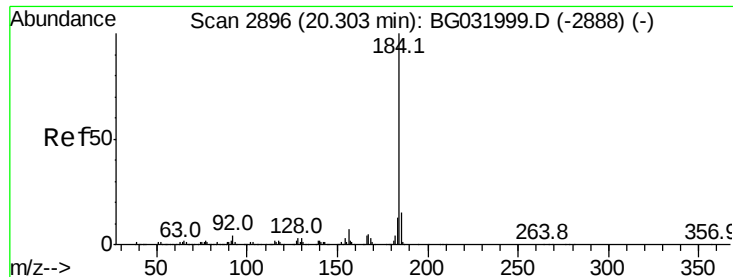
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.44 min Scan# 3260
Delta R.T. -0.01 min
Lab File: BG032203.D
Acq: 21 Jan 2018 6:34

Tgt Ion:240 Resp: 400214
Ion Ratio Lower Upper
240 100
120 4.6 6.8 10.2#
236 26.2 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





#76

Benzidine

Concen: 18.924 ng

RT: 19.97 min Scan# 2840

Delta R.T. -0.30 min

Lab File: BG032203.D

Acq: 21 Jan 2018 6:34

Instrument :

BNA_G

ClientSampleId :

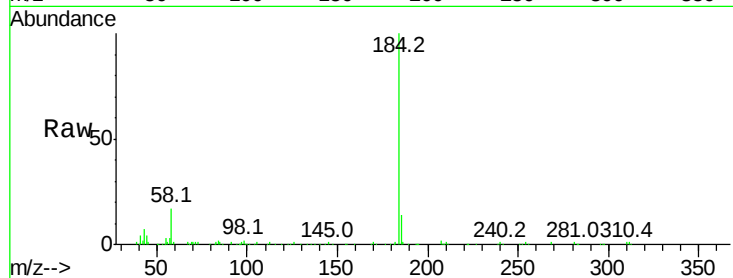
Tot Ion:184 Resp: 189391

Ion Ratio Lower Upper

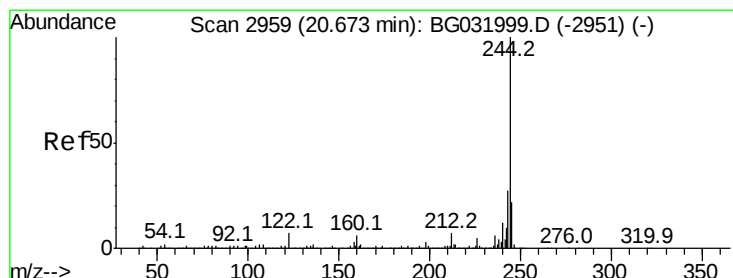
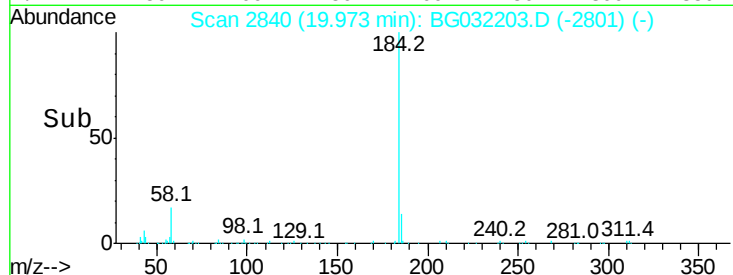
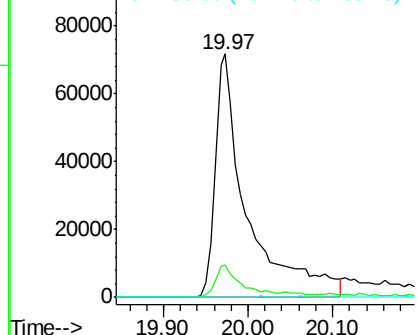
184 100

185 13.5 11.1 16.7

183 0.0 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 62.184 ng

RT: 20.64 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BG032203.D

Acq: 21 Jan 2018 6:34

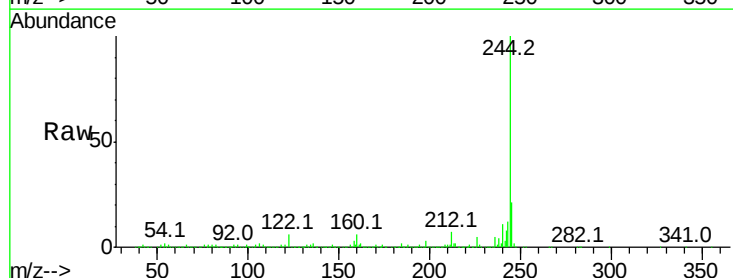
Tgt Ion:244 Resp: 1127095

Ion Ratio Lower Upper

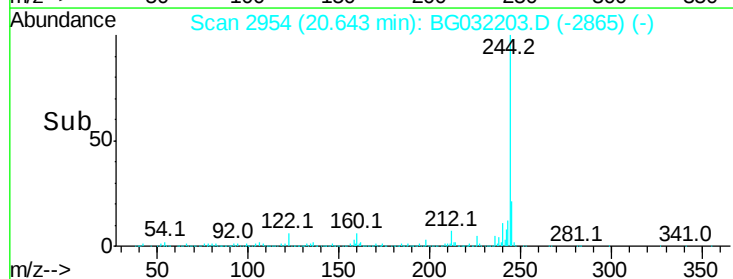
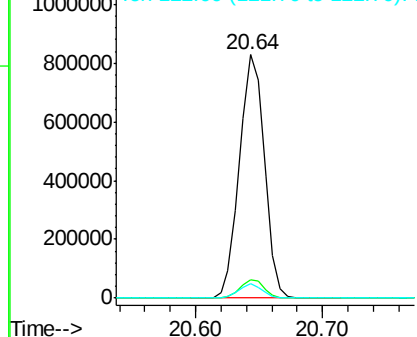
244 100

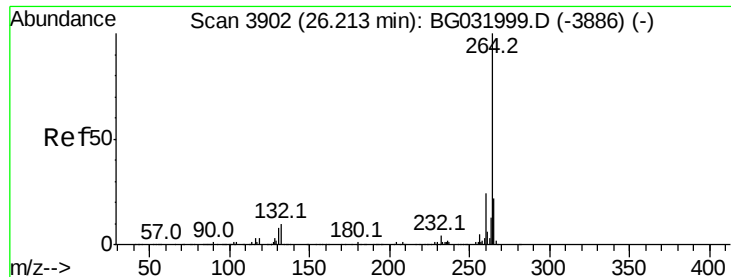
212 7.5 5.8 8.8

122 6.0 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

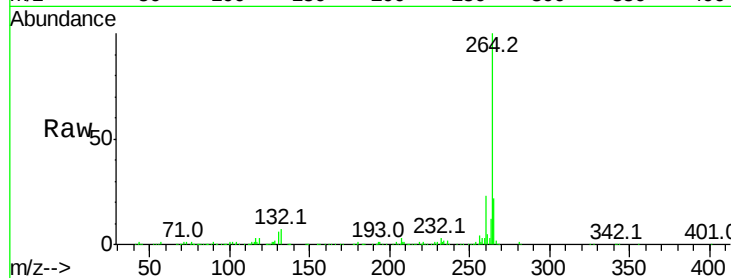




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.14 min Scan# 3889
Delta R.T. -0.01 min
Lab File: BG032203.D
Acq: 21 Jan 2018 6:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	21.7	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

