

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032290.D
 Acq On : 25 Jan 2018 10:09
 Operator : SJ/JU
 Sample : J1255-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 10:47:49 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	38384	20.00	ng	0.00
21) Naphthalene-d8	11.61	136	147822	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	101711	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	286031	20.00	ng	0.00
75) Chrysene-d12	22.42	240	373780	20.00	ng	0.00
86) Perylene-d12	26.10	264	396340	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	276219	131.61	ng	0.00
7) Phenol-d6	7.83	99	312759	118.33	ng	0.00
23) Nitrobenzene-d5	9.92	82	228838	104.73	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	278614	165.54	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	801254	97.68	ng	0.00
78) Terphenyl-d14	20.63	244	1717911	101.48	ng	0.00

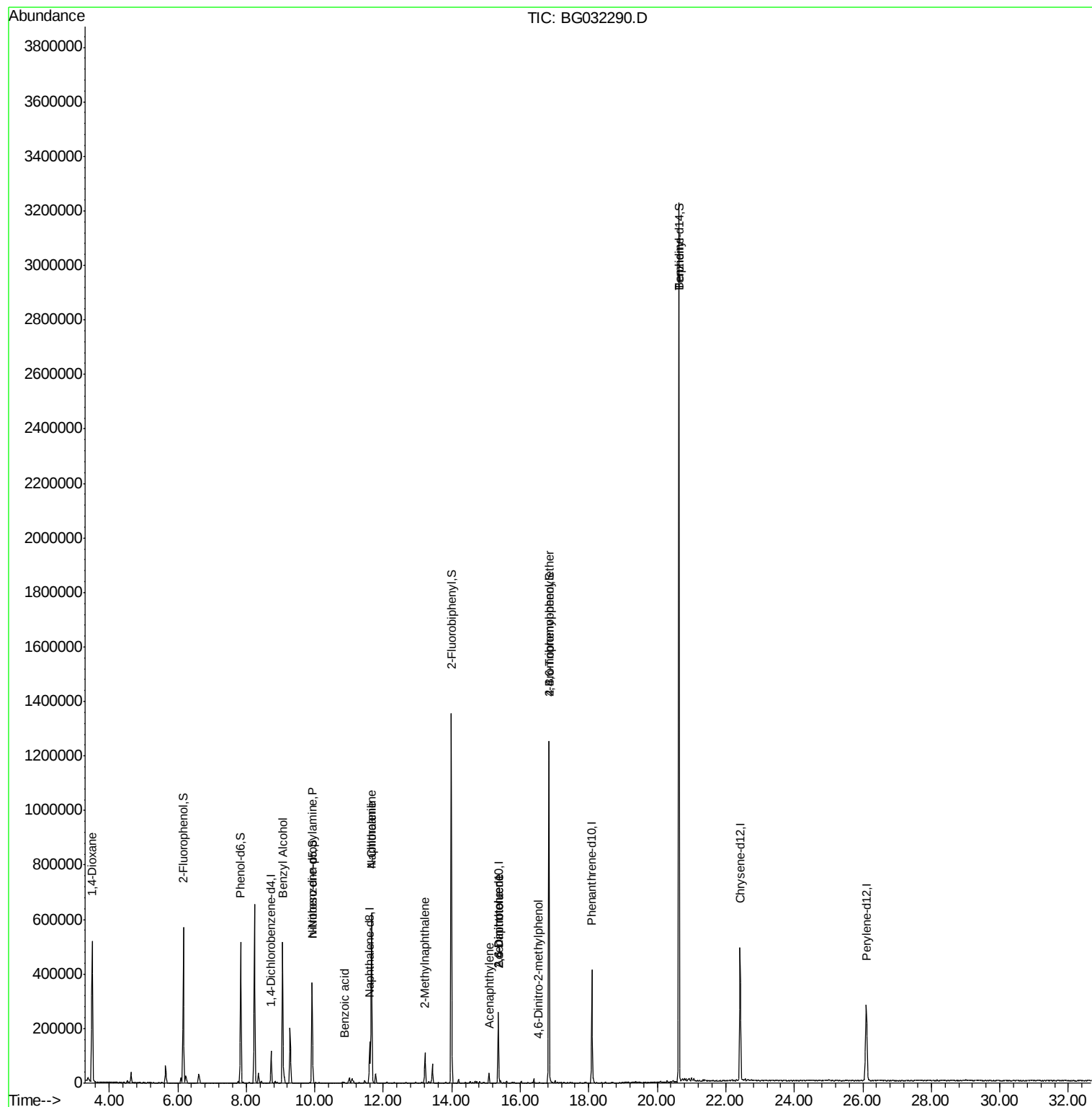
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.50	88	6591	8.175	ng	# 1
15) Benzyl Alcohol	9.06	79	4419	2.301	ng	# 45
19) n-Nitroso-di-n-propylamine	9.92	70	32579	19.865	ng	# 75
31) Naphthalene	11.66	128	585119	79.904	ng	# 99
32) Benzoic acid	10.88	122	215	5.372	ng	# 1
33) 4-Chloroaniline	11.66	127	84631	26.951	ng	# 37
37) 2-Methylnaphthalene	13.22	142	56291	9.682	ng	# 96
48) Acenaphthylene	15.08	152	28984	2.806	ng	# 97
50) 2,6-Dinitrotoluene	15.36	165	12864	6.963	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	12864	5.172	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.54	198	63	4.915	ng	# 29
66) 4-Bromophenyl-phenylether	16.84	248	24293	5.969	ng	# 1
76) Benzidine	20.63	184	24759	2.649	ng	# 95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG032290.D

Acq: 25 Jan 2018 10:09

Instrument :

BNA_G

ClientSampleId :

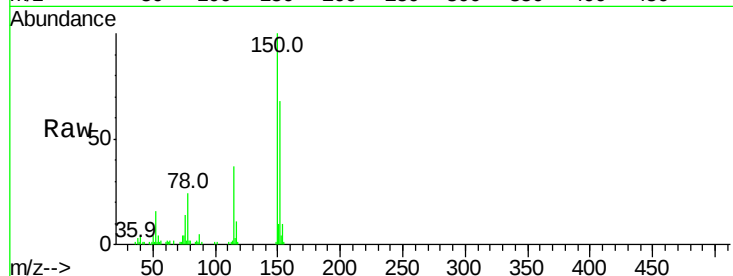
Tot Ion:152 Resp: 38384

Ion Ratio Lower Upper

152 100

150 147.1 126.6 189.8

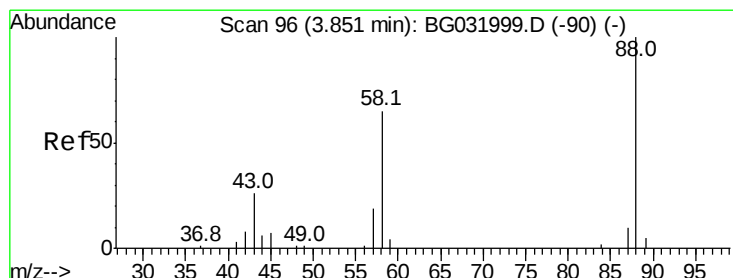
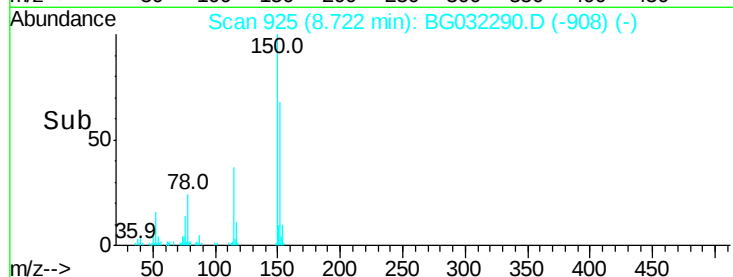
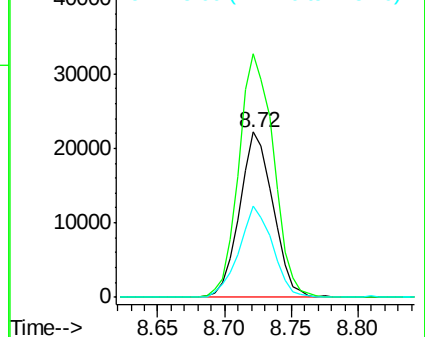
115 54.9 53.0 79.4



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



#2

1,4-Dioxane

Concen: 8.175 ng

RT: 3.50 min Scan# 37

Delta R.T. -0.32 min

Lab File: BG032290.D

Acq: 25 Jan 2018 10:09

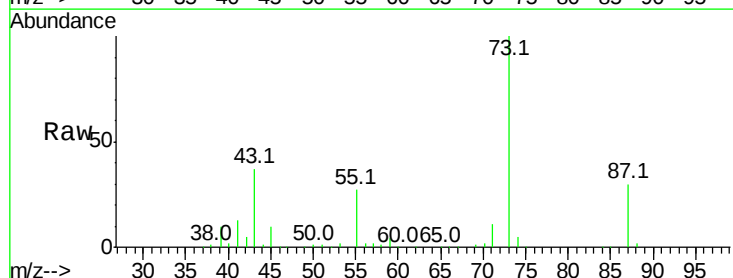
Tgt Ion: 88 Resp: 6591

Ion Ratio Lower Upper

88 100

58 37.7 79.6 119.4#

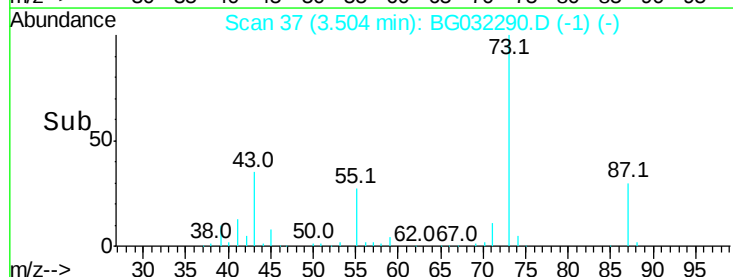
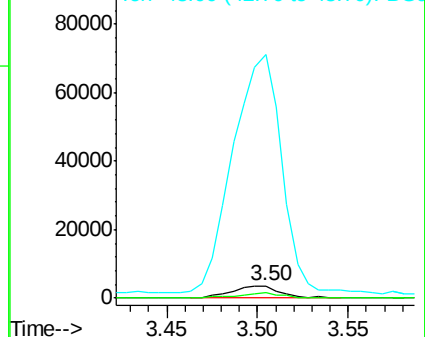
43 2000.2 27.4 41.0#

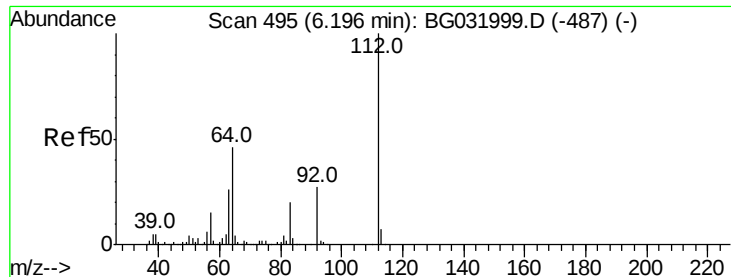


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 131.614 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.00 min

Lab File: BG032290.D

Acq: 25 Jan 2018 10:09

Instrument :

BNA_G

ClientSampleId :

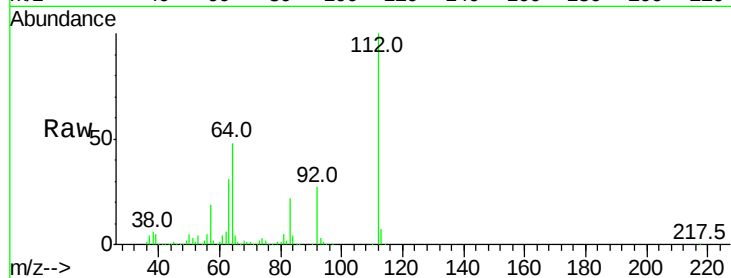
Tot Ion:112 Resp: 276219

Ion Ratio Lower Upper

112 100

64 48.2 56.3 84.5#

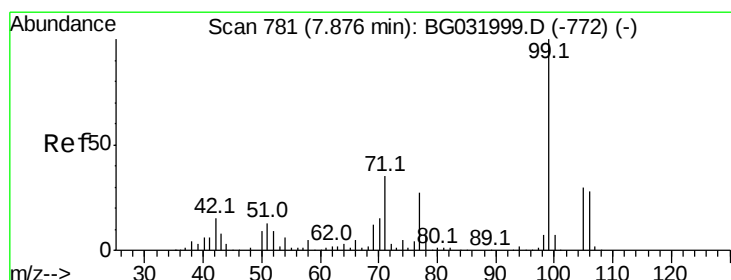
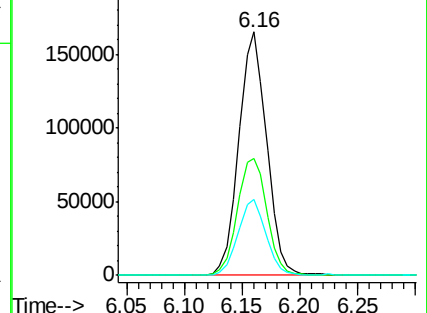
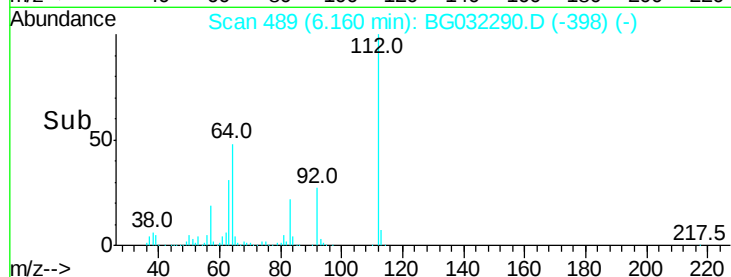
63 31.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 118.326 ng

RT: 7.83 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032290.D

Acq: 25 Jan 2018 10:09

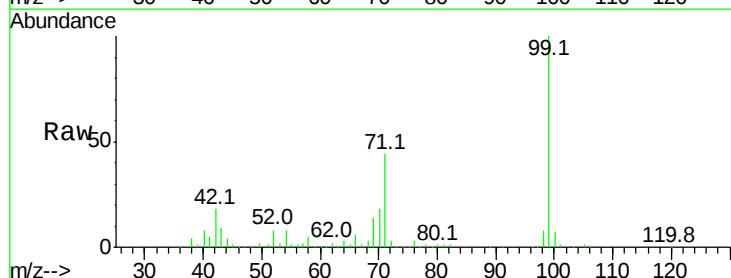
Tgt Ion: 99 Resp: 312759

Ion Ratio Lower Upper

99 100

42 18.3 14.1 21.1

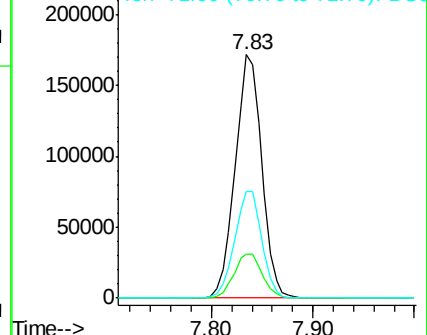
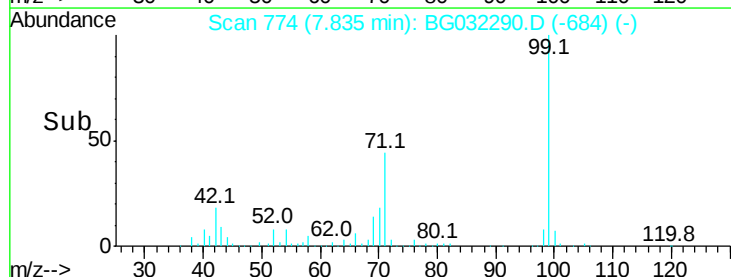
71 43.6 26.1 39.1#

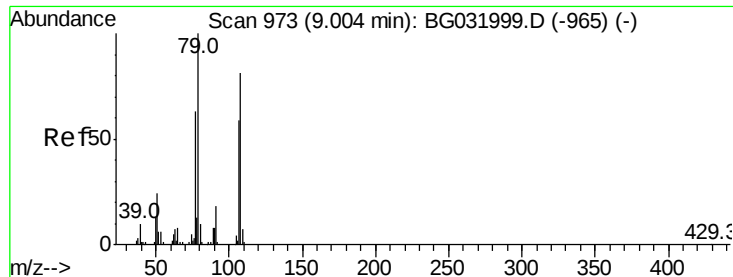


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.301 ng

RT: 9.06 min Scan# 983

Delta R.T. 0.10 min

Lab File: BG032290.D

Acq: 25 Jan 2018 10:09

Instrument :

BNA_G

ClientSampleId :

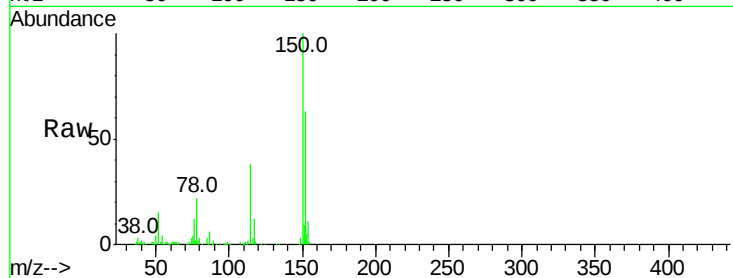
Tot Ion: 79 Resp: 4419

Ion Ratio Lower Upper

79 100

108 34.8 57.2 85.8#

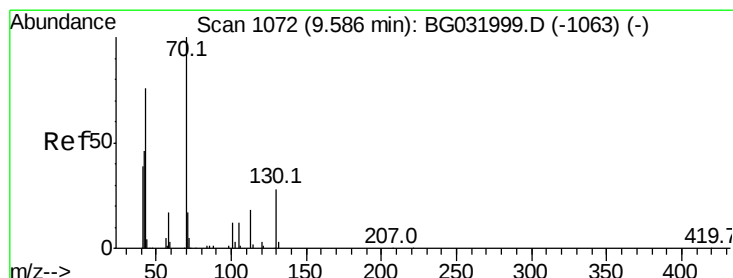
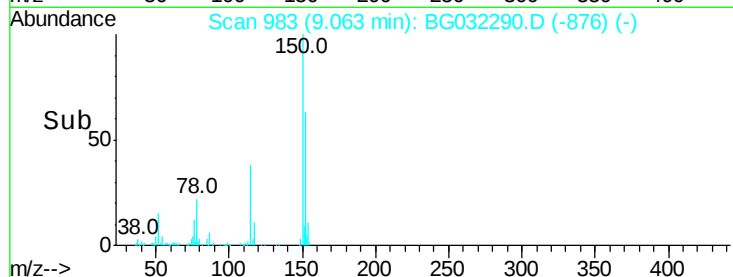
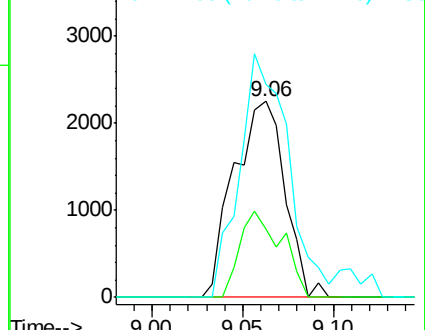
77 108.7 46.1 69.1#



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



#19

n-Nitroso-di-n-propylamine

Concen: 19.865 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032290.D

Acq: 25 Jan 2018 10:09

Tgt Ion: 70 Resp: 32579

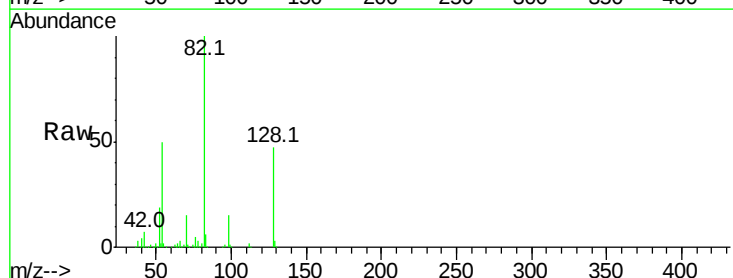
Ion Ratio Lower Upper

70 100

42 44.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#

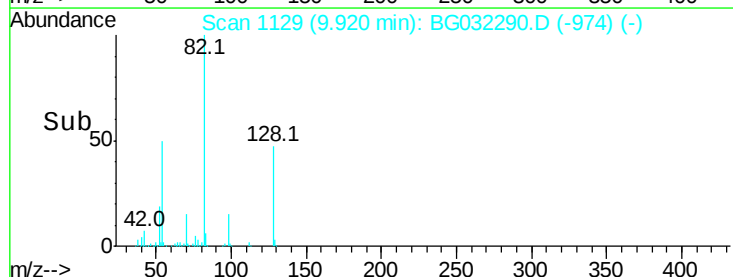
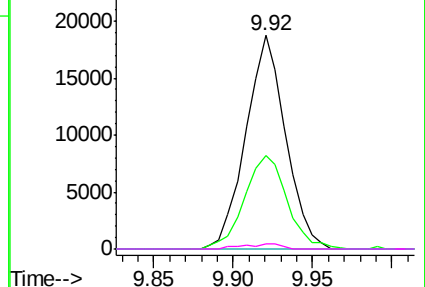


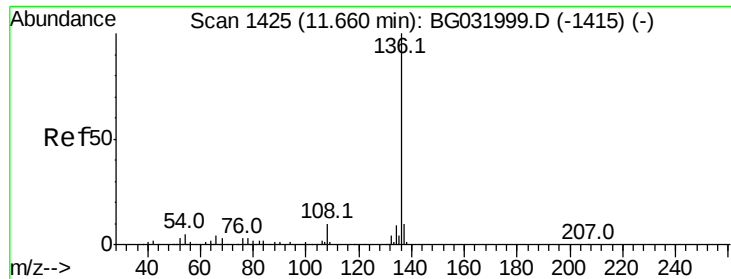
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.61 min Scan# 1416

Delta R.T. -0.00 min

Lab File: BG032290.D

Acq: 25 Jan 2018 10:09

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 147822

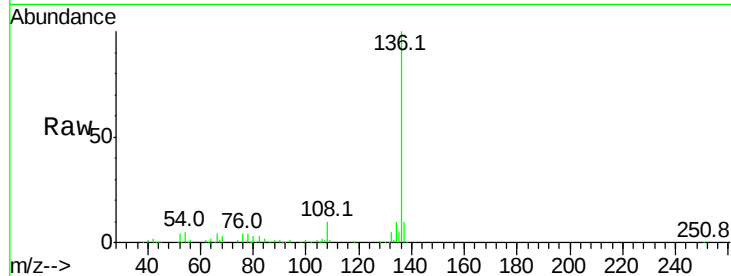
Ion Ratio Lower Upper

136 100

137 10.2 9.2 13.8

54 5.4 10.3 15.5#

68 3.1 4.5 6.7#

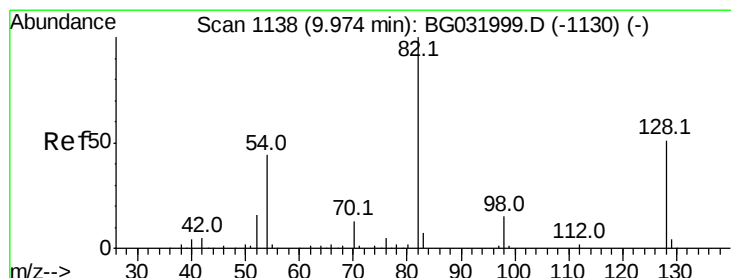
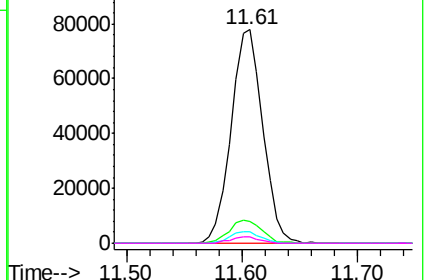
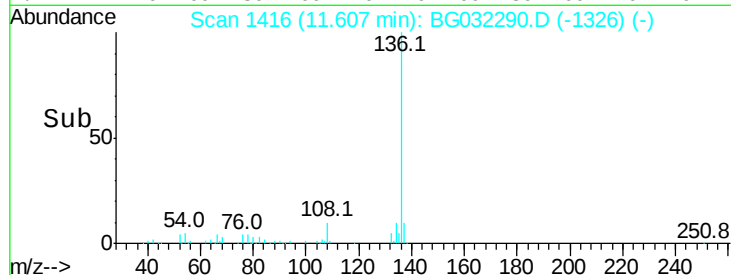


Abundance Ion 136.00 (135.70 to 136.70): E

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: 104.733 ng

RT: 9.92 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BG032290.D

Acq: 25 Jan 2018 10:09

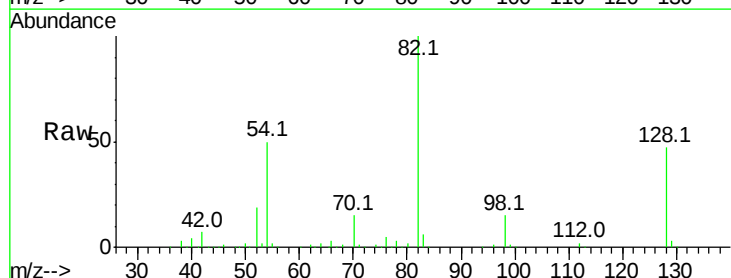
Tgt Ion: 82 Resp: 228838

Ion Ratio Lower Upper

82 100

128 46.8 29.7 44.5#

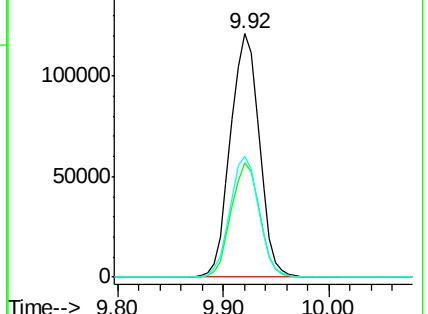
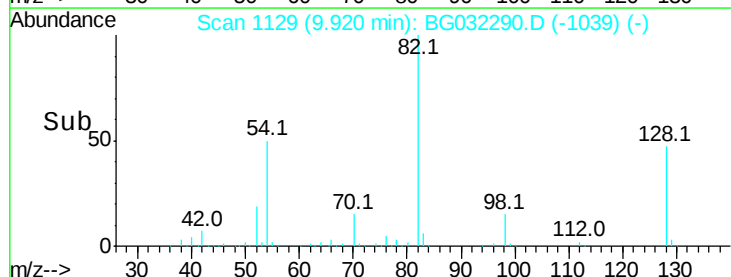
54 49.5 43.1 64.7

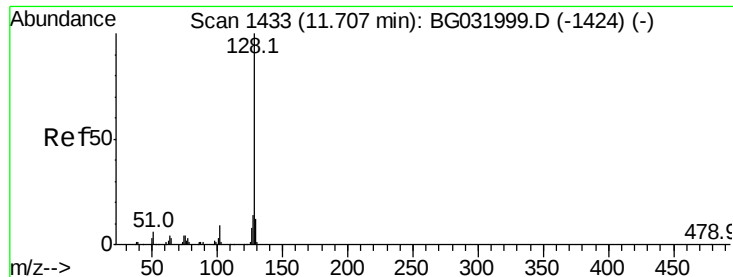


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

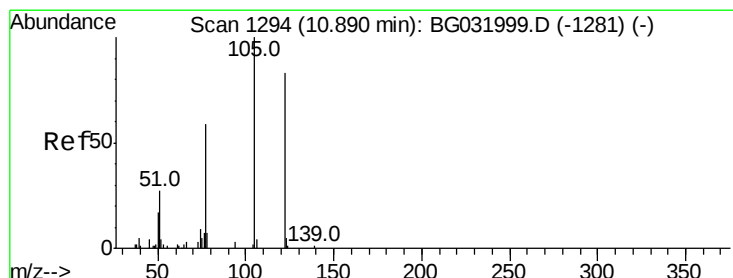
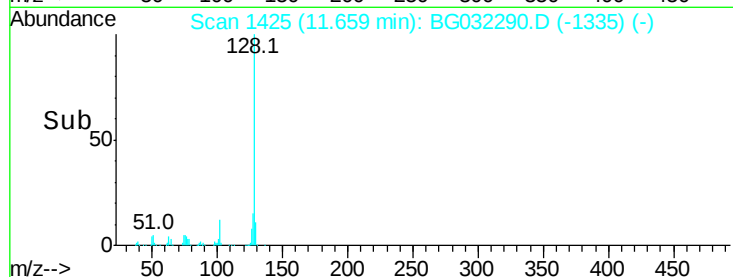
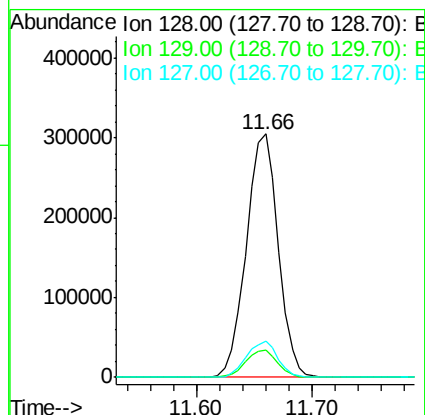
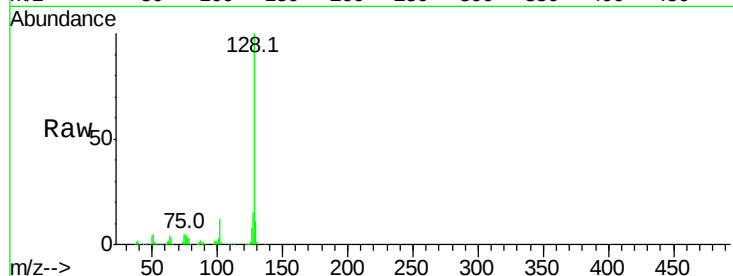




#31
Naphthalene
Concen: 79.904 ng
RT: 11.66 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BG032290.D
Acq: 25 Jan 2018 10:09

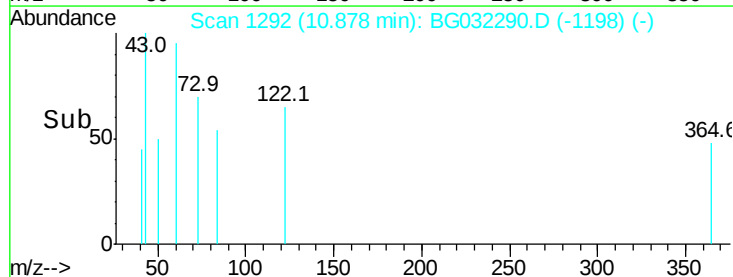
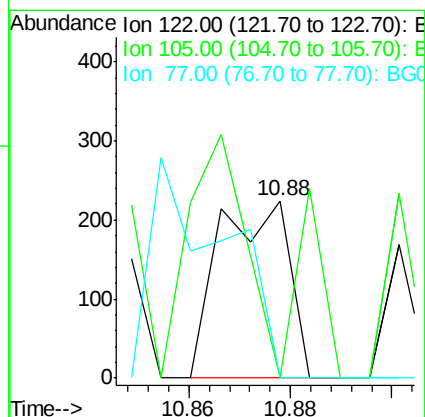
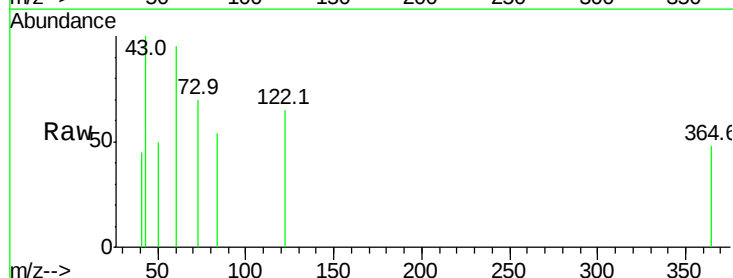
Instrument :
BNA_G
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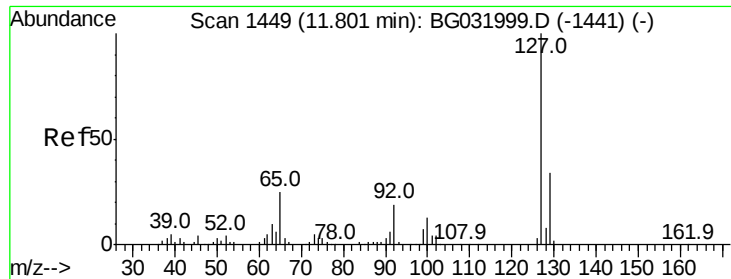
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	14.8	11.6	17.4



#32
Benzoic acid
Concen: 5.372 ng
RT: 10.88 min Scan# 1292
Delta R.T. 0.02 min
Lab File: BG032290.D
Acq: 25 Jan 2018 10:09

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#

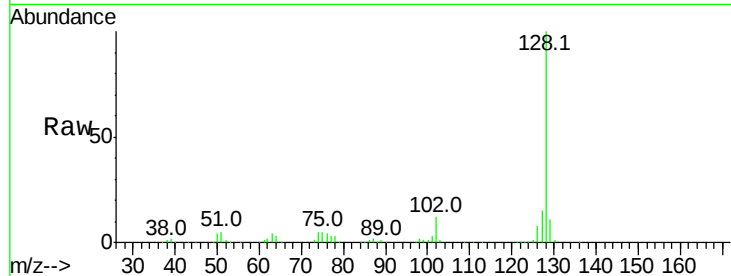




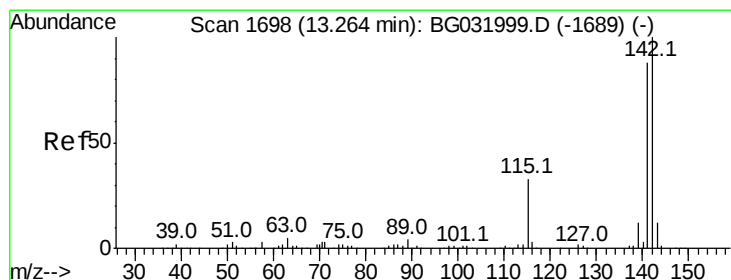
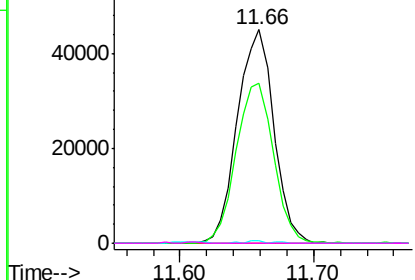
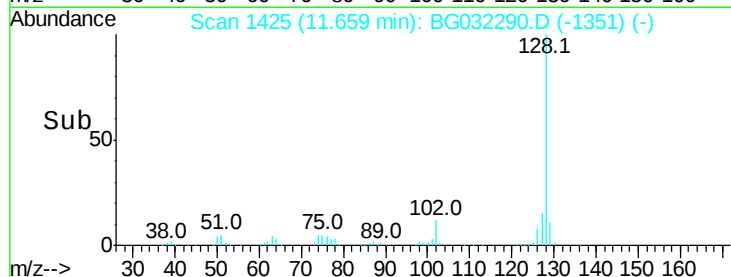
#33
4-Chloroaniline
Concen: 26.951 ng
RT: 11.66 min Scan# 1425
Delta R.T. -0.10 min
Lab File: BG032290.D
Acq: 25 Jan 2018 10:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127 Resp: 84631
Ion Ratio Lower Upper
127 100
129 75.2 24.0 36.0#
65 1.4 27.0 40.4#
92 0.0 16.6 25.0#

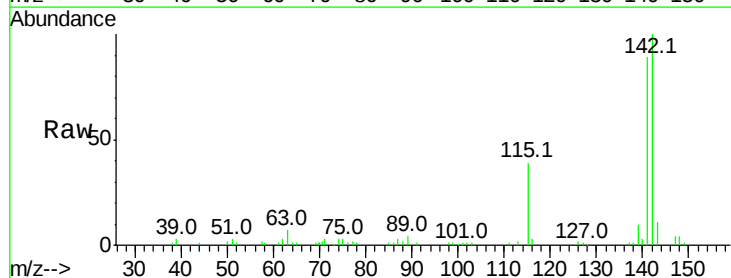


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

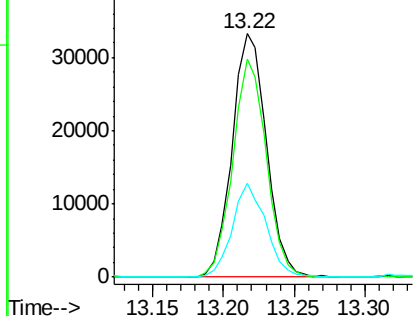
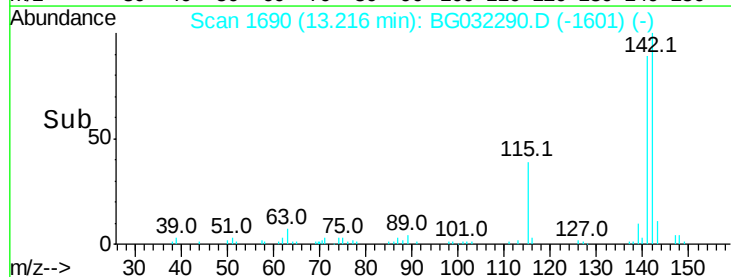


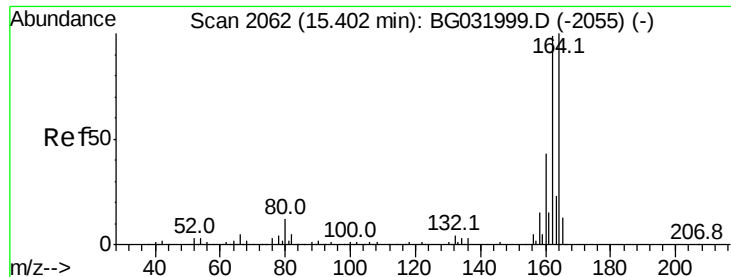
#37
2-Methylnaphthalene
Concen: 9.682 ng
RT: 13.22 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BG032290.D
Acq: 25 Jan 2018 10:09

Tgt Ion:142 Resp: 56291
Ion Ratio Lower Upper
142 100
141 89.4 67.1 100.7
115 38.7 30.7 46.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032290.D

Acq: 25 Jan 2018 10:09

Instrument :

BNA_G

ClientSampleId :

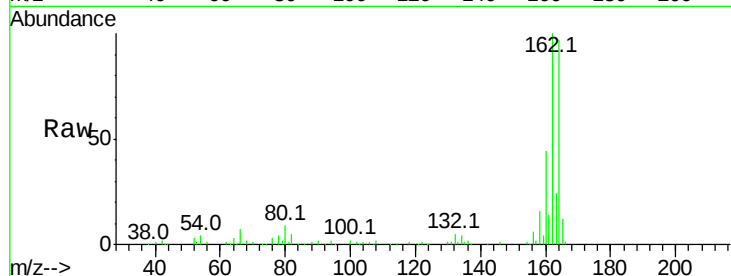
Tot Ion:164 Resp: 101711

Ion Ratio Lower Upper

164 100

162 103.3 78.8 118.2

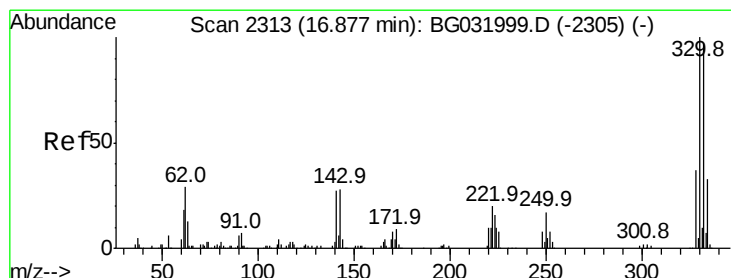
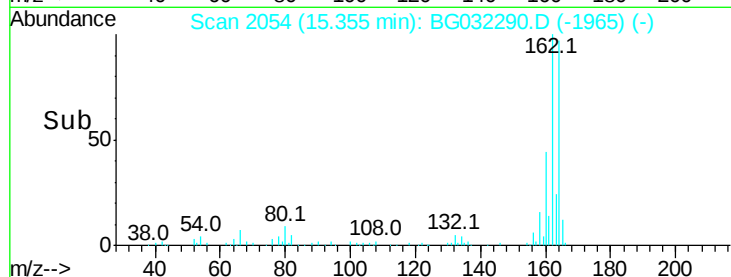
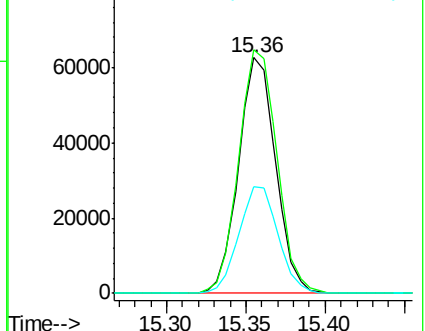
160 45.4 35.4 53.0



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: 165.538 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BG032290.D

Acq: 25 Jan 2018 10:09

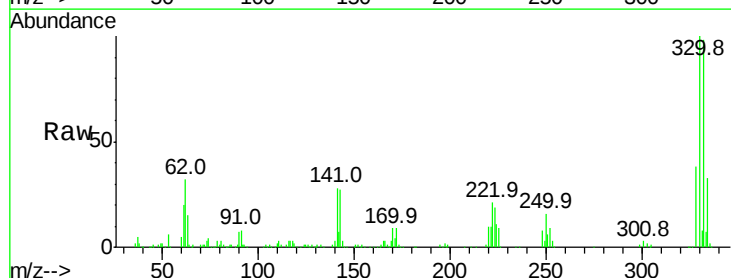
Tgt Ion:330 Resp: 278614

Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.6

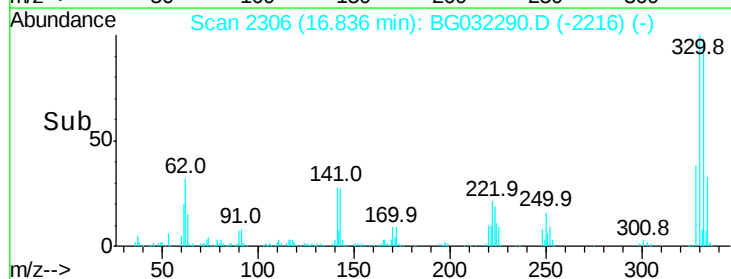
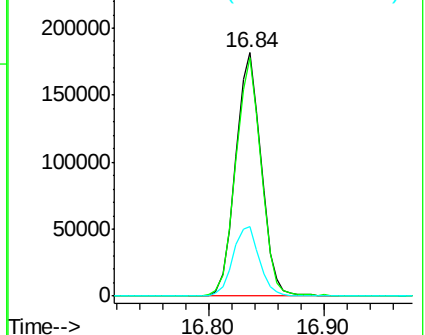
141 29.3 25.2 37.8

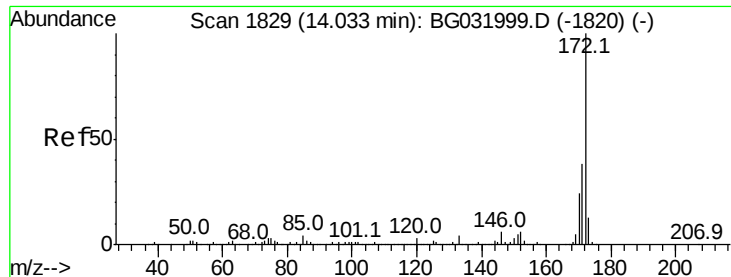


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

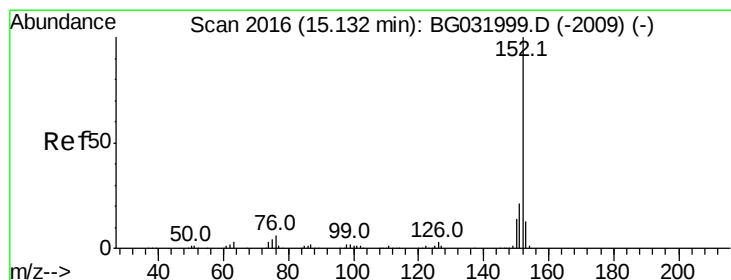
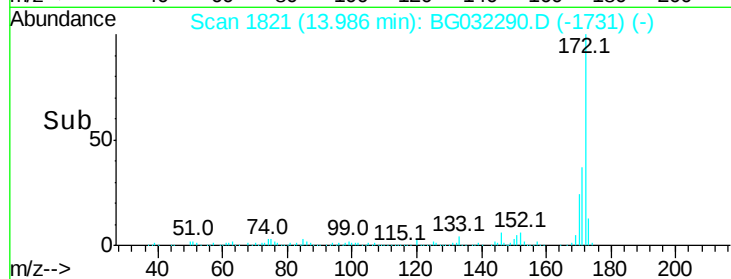
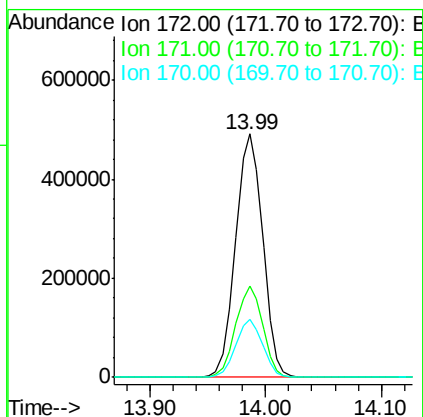
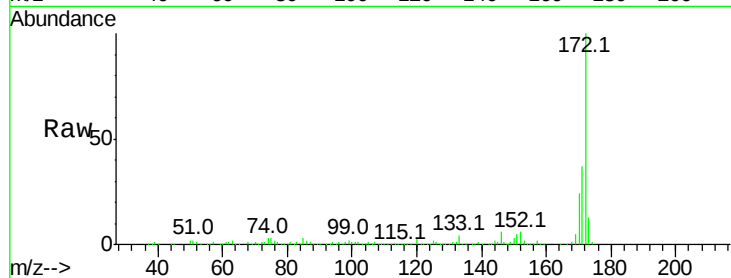




#44
2-Fluorobiphenyl
Concen: 97.680 ng
RT: 13.99 min Scan# 1821
Delta R.T. -0.00 min
Lab File: BG032290.D
Acq: 25 Jan 2018 10:09

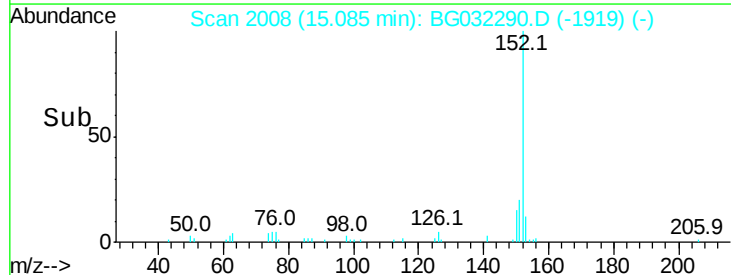
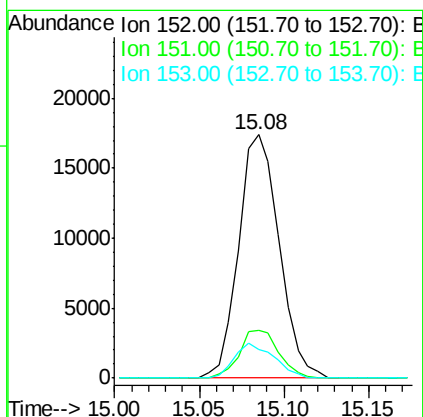
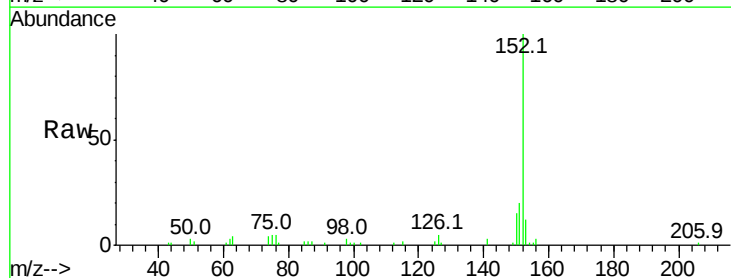
Instrument :
BNA_G
ClientSampleId :

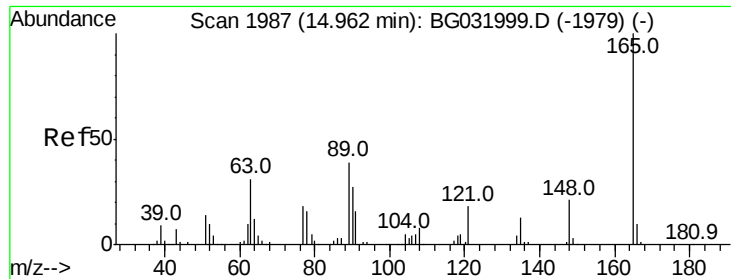
Tot Ion:172 Resp: 801254
Ion Ratio Lower Upper
172 100
171 37.4 30.0 45.0
170 23.9 19.5 29.3



#48
Acenaphthylene
Concen: 2.806 ng
RT: 15.08 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BG032290.D
Acq: 25 Jan 2018 10:09

Tgt Ion:152 Resp: 28984
Ion Ratio Lower Upper
152 100
151 19.8 17.2 25.8
153 11.8 10.2 15.4

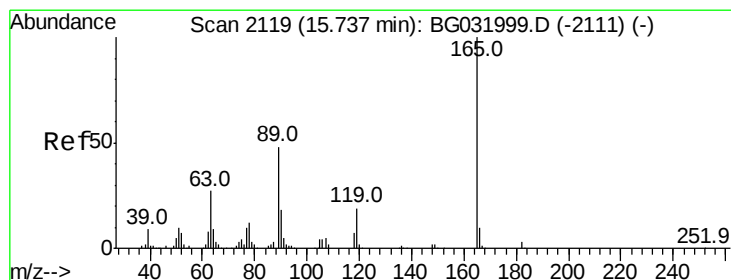
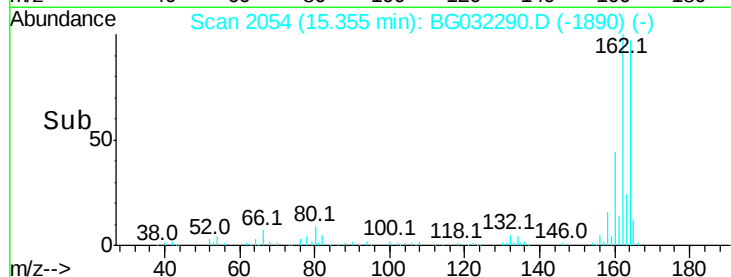
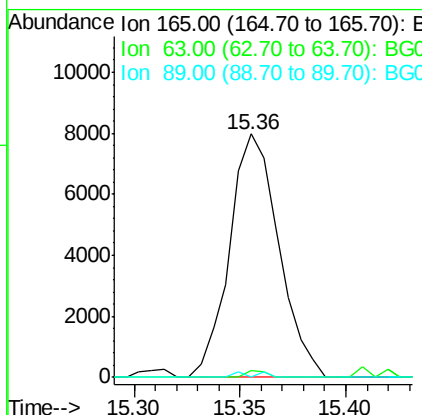
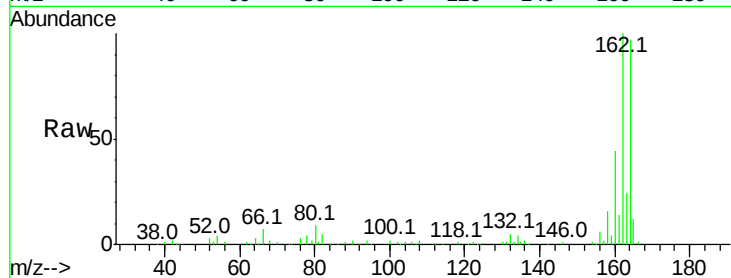




#50
 2,6-Dinitrotoluene
 Concen: 6.963 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.43 min
 Lab File: BG032290.D
 Acq: 25 Jan 2018 10:09

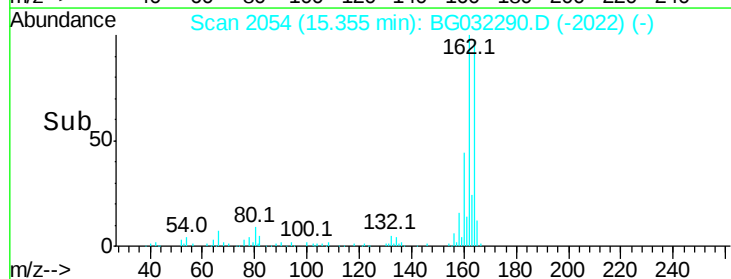
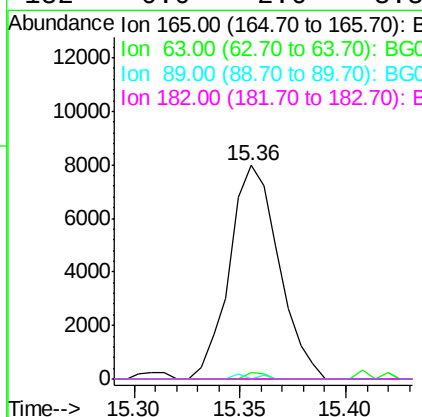
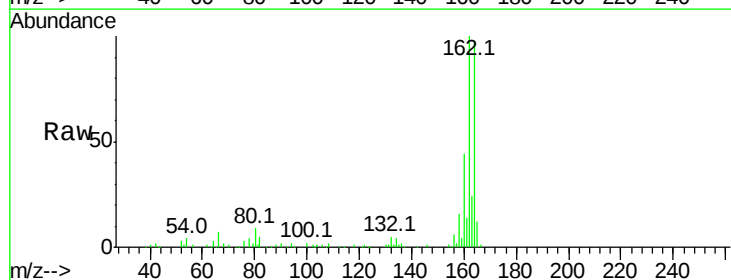
Instrument :
 BNA_G
 ClientSampleId :

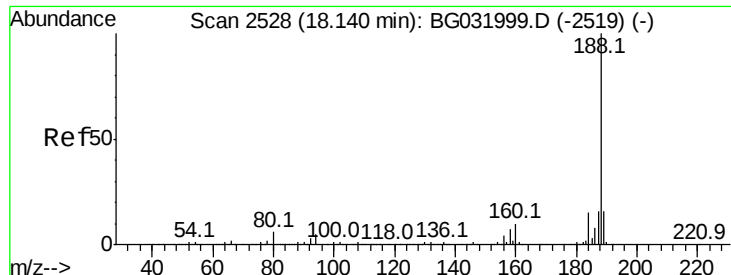
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.172 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032290.D
 Acq: 25 Jan 2018 10:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.0	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: 18.09 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BG032290.D

Acq: 25 Jan 2018 10:09

Instrument :

BNA_G

ClientSampleId :

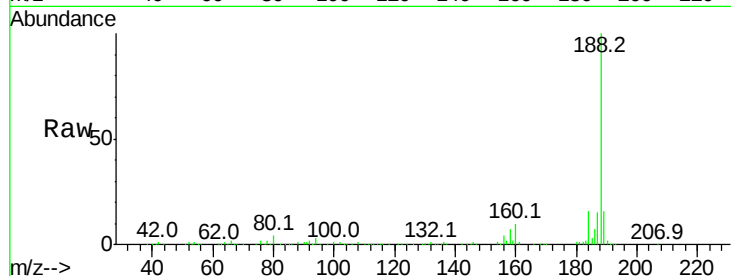
Tot Ion:188 Resp: 286031

Ion Ratio Lower Upper

188 100

94 3.3 6.9 10.3#

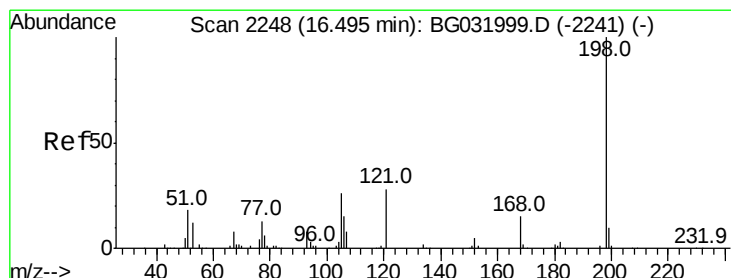
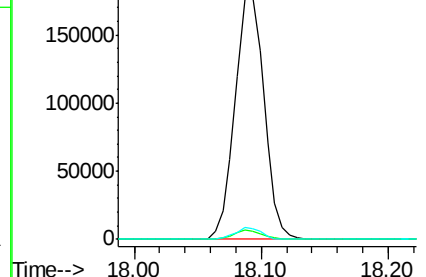
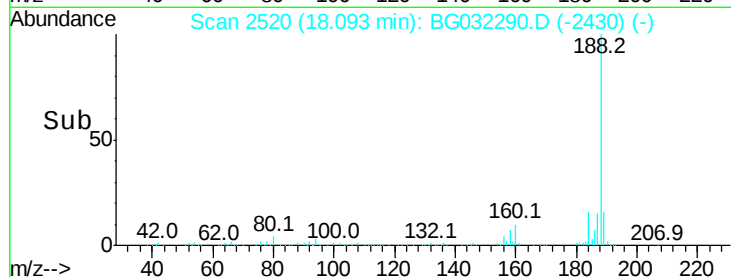
80 4.2 7.7 11.5#



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: 4.915 ng

RT: 16.54 min Scan# 2256

Delta R.T. 0.09 min

Lab File: BG032290.D

Acq: 25 Jan 2018 10:09

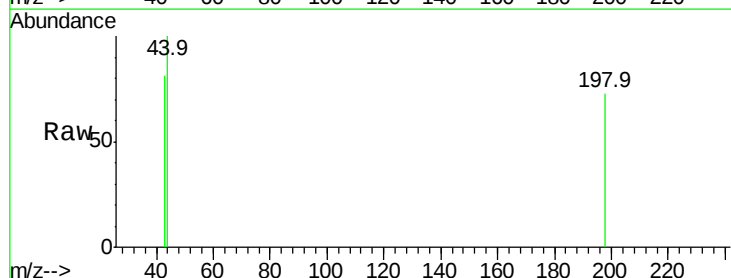
Tgt Ion:198 Resp: 63

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

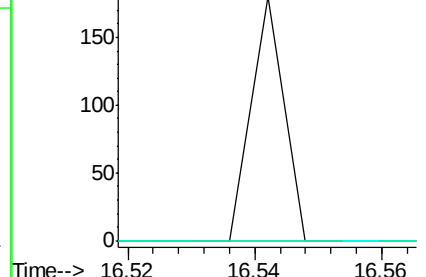
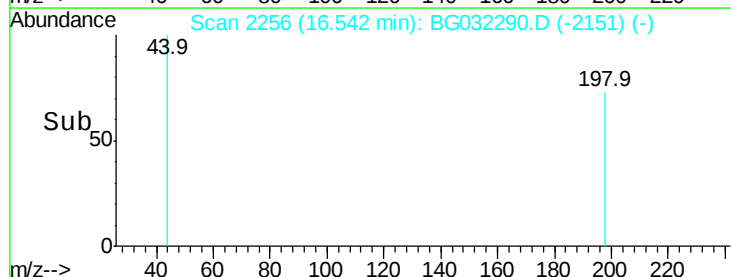
105 0.0 23.8 63.8#

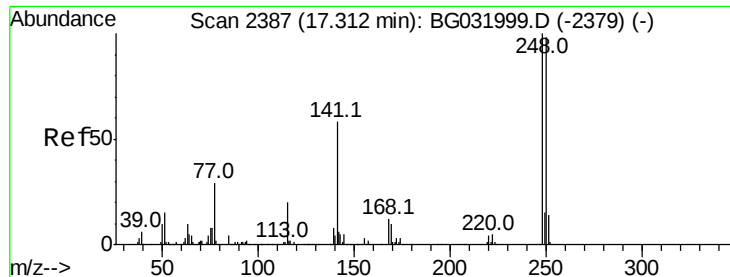


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

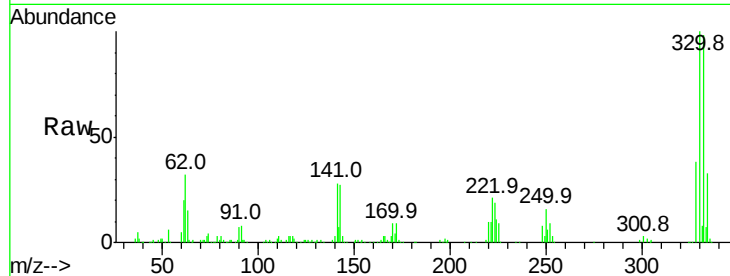




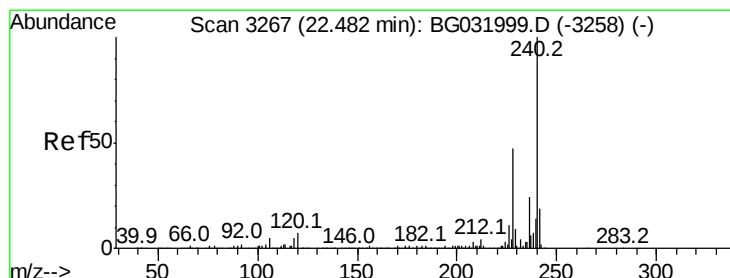
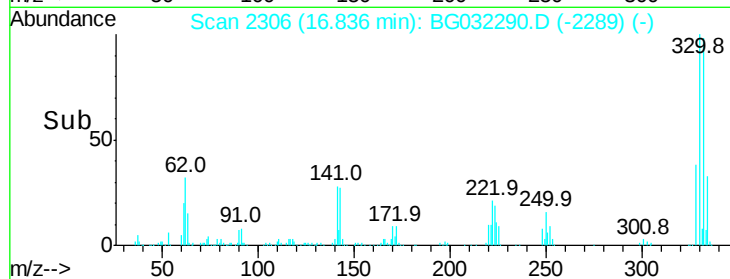
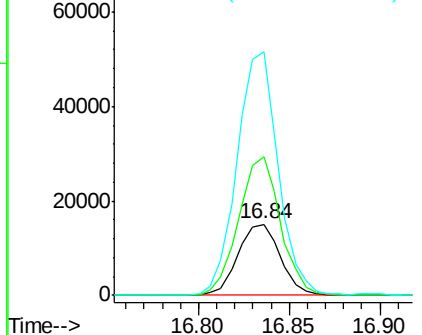
#66
4-Bromophenyl-phenylether
Concen: 5.969 ng
RT: 16.84 min Scan# 2306
Delta R.T. -0.43 min
Lab File: BG032290.D
Acq: 25 Jan 2018 10:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 24293
Ion Ratio Lower Upper
248 100
250 194.4 77.1 115.7#
141 342.0 50.8 76.2#

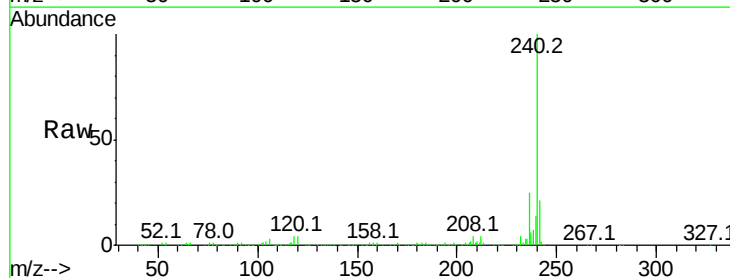


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

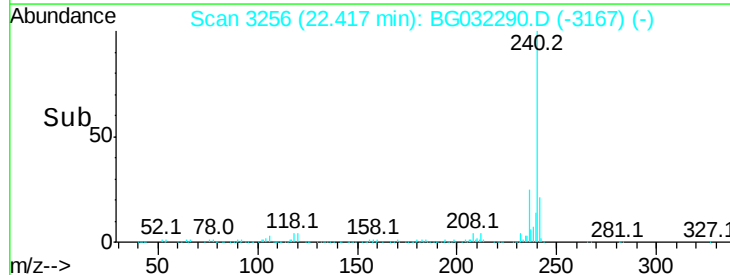
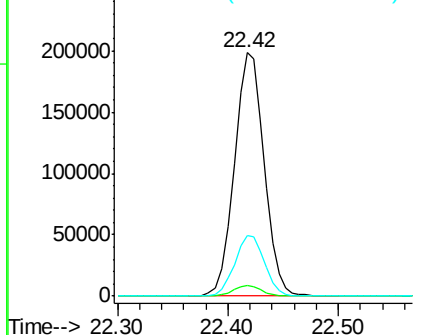


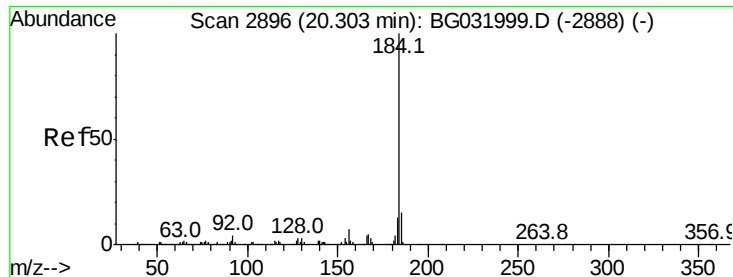
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3256
Delta R.T. -0.01 min
Lab File: BG032290.D
Acq: 25 Jan 2018 10:09

Tgt Ion:240 Resp: 373780
Ion Ratio Lower Upper
240 100
120 4.1 6.8 10.2#
236 24.9 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: 2.649 ng

RT: 20.63 min Scan# 2952

Delta R.T. 0.37 min

Lab File: BG032290.D

Acq: 25 Jan 2018 10:09

Instrument :

BNA_G

ClientSampleId :

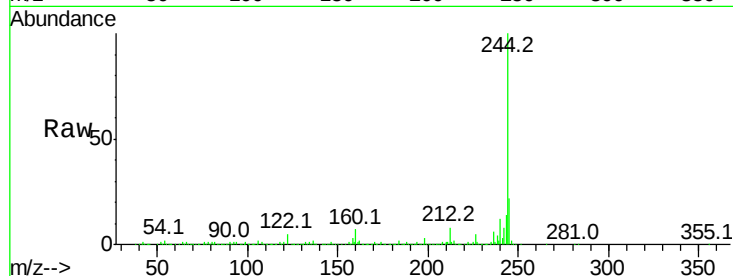
Tot Ion:184 Resp: 24759

Ion Ratio Lower Upper

184 100

185 14.9 11.1 16.7

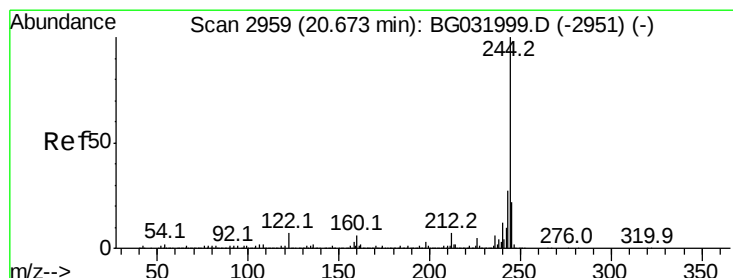
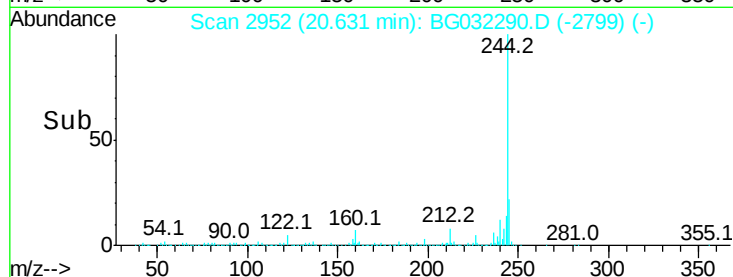
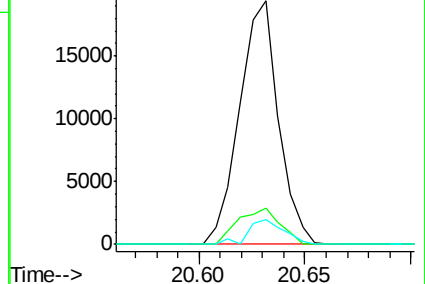
183 10.4 10.6 16.0#



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: 101.483 ng

RT: 20.63 min Scan# 2952

Delta R.T. -0.00 min

Lab File: BG032290.D

Acq: 25 Jan 2018 10:09

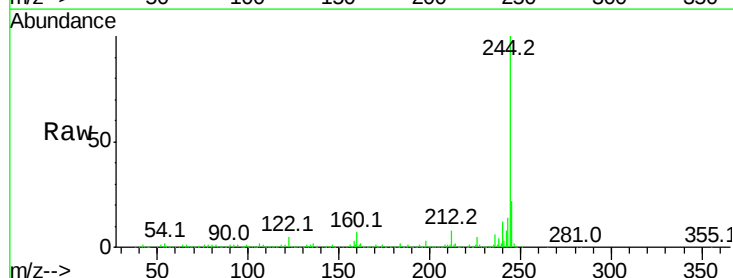
Tgt Ion:244 Resp: 1717911

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

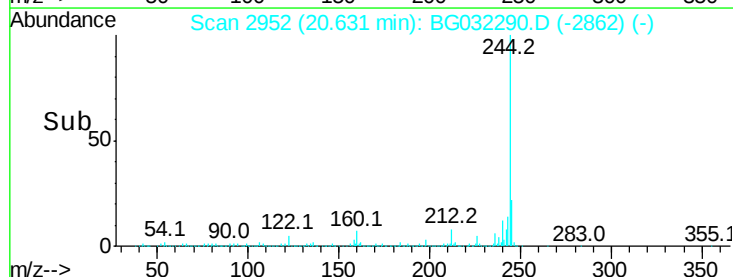
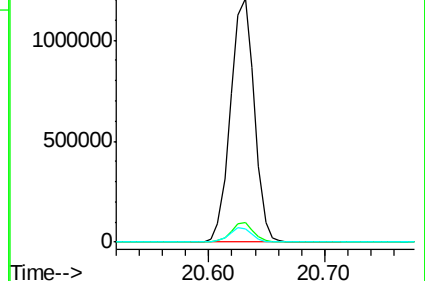
122 5.4 7.0 10.4#

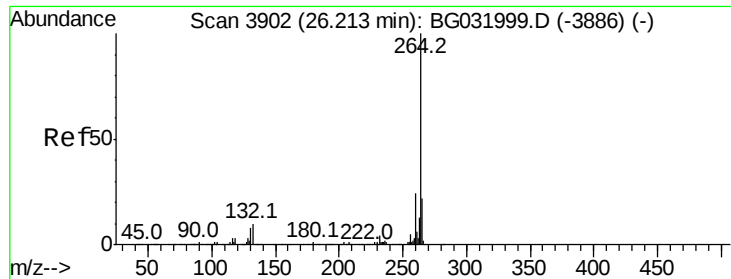


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

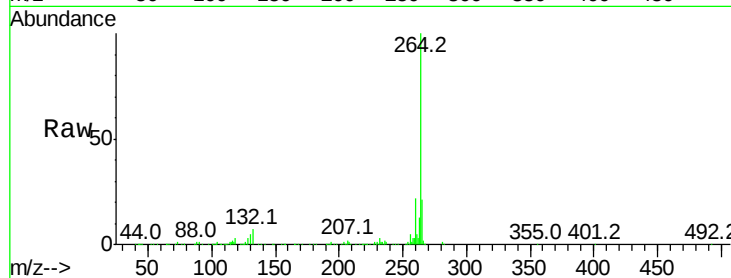




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3883
 Delta R.T. -0.01 min
 Lab File: BG032290.D
 Acq: 25 Jan 2018 10:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.4	26.0
265	21.2	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

