

Data Path : U:\HPCHEM1\BNA G\DATA\BG012018\
 Data File : BG032200.D
 Acq On : 21 Jan 2018 4:42
 Operator : SJ/JU
 Sample : J1210-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 22 06:00:49 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

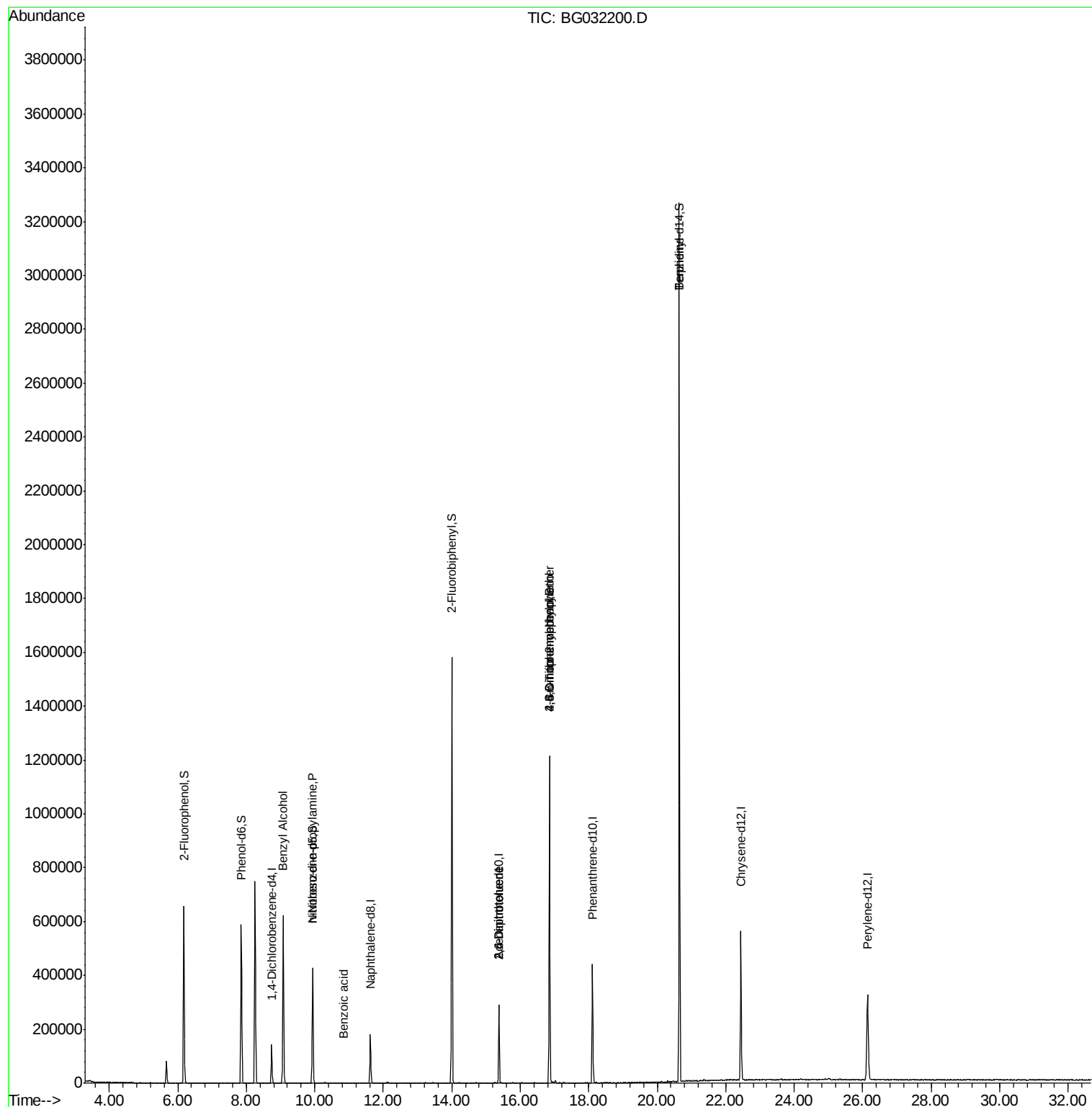
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	47378	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	179998	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	114457	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	301059	20.00	ng	0.00
75) Chrysene-d12	22.44	240	407561	20.00	ng	0.00
86) Perylene-d12	26.14	264	435769	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.18	112	333617	128.79	ng	0.00
7) Phenol-d6	7.85	99	367317	112.59	ng	0.00
23) Nitrobenzene-d5	9.94	82	273462	102.78	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	273788	144.56	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	903471	97.88	ng	0.00
78) Terphenyl-d14	20.64	244	1788462	96.89	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.08	79	5254	2.217	ng	# 45
19) n-Nitroso-di-n-propylamine	9.94	70	39532	19.529	ng	# 71
32) Benzoic acid	10.84	122	220	5.354	ng	# 1
50) 2,6-Dinitrotoluene	15.37	165	15805	7.602	ng	# 21
56) 2,4-Dinitrotoluene	15.37	165	15805	5.647	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.85	198	915	5.311	ng	# 71
66) 4-Bromophenyl-phenylether	16.85	248	23364	5.454	ng	# 1
76) Benzidine	20.64	184	25453	2.497	ng	# 92

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

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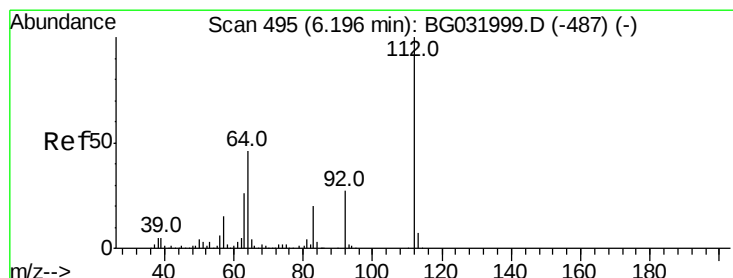
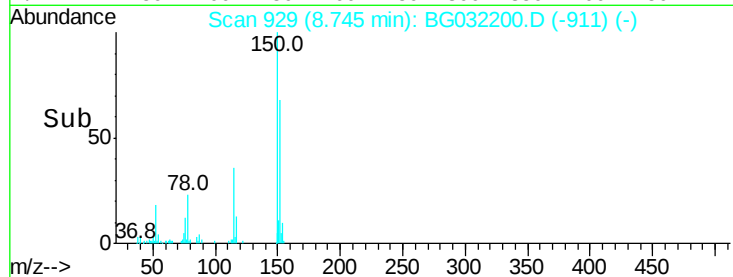
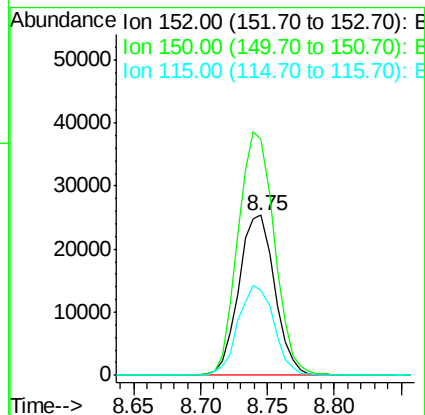
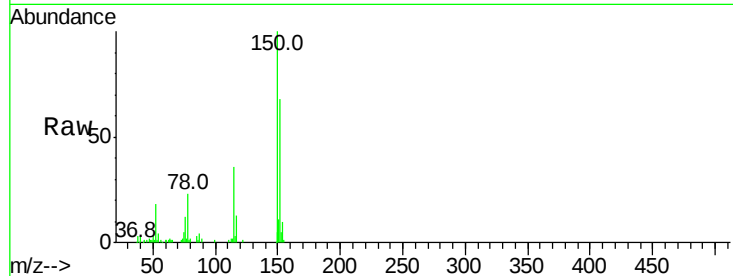


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.75 min Scan# 929
Delta R.T. 0.00 min
Lab File: BG032200.D
Acq: 21 Jan 2018 4:42

Instrument :
BNA_G
ClientSampled :

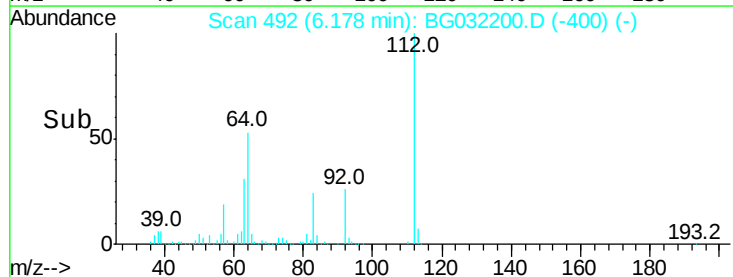
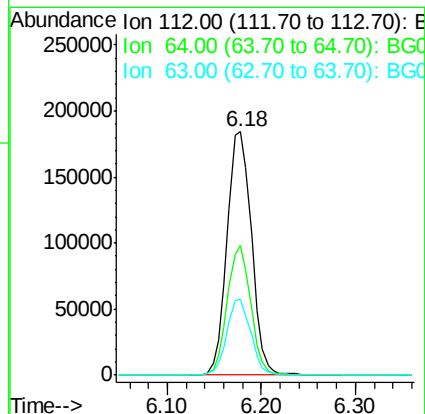
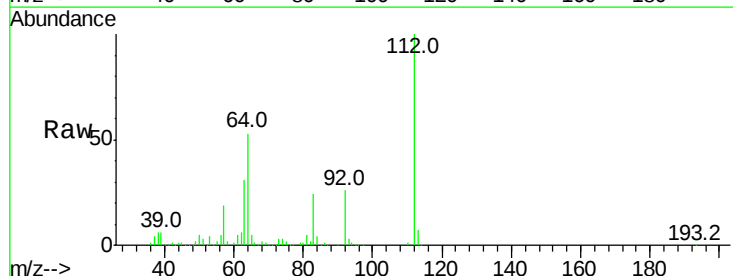
Tot Ion:152 Resp: 47378
Ion Ratio Lower Upper
152 100
150 147.4 126.6 189.8
115 53.4 53.0 79.4



#5

2-Fluorophenol
Concen: 128.786 ng
RT: 6.18 min Scan# 492
Delta R.T. 0.01 min
Lab File: BG032200.D
Acq: 21 Jan 2018 4:42

Tgt Ion:112 Resp: 333617
Ion Ratio Lower Upper
112 100
64 53.3 56.3 84.5#
63 31.0 30.1 45.1





#7

Phenol-d6

Concen: 112.586 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

Instrument :

BNA_G

ClientSampleId :

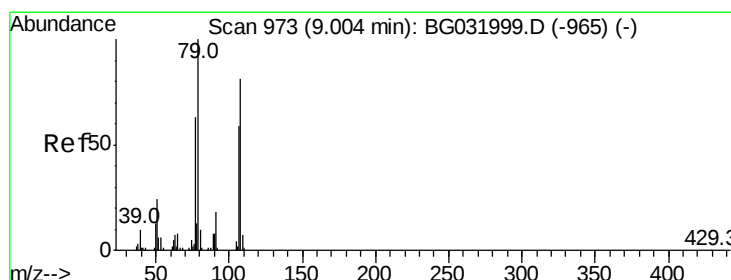
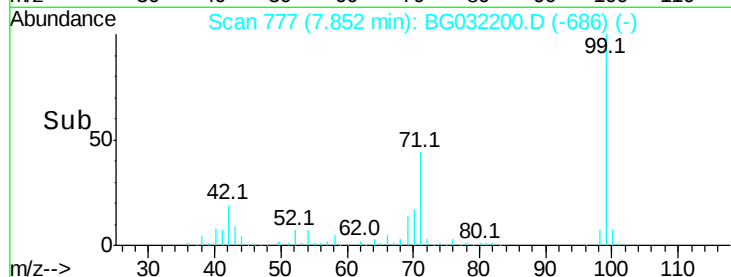
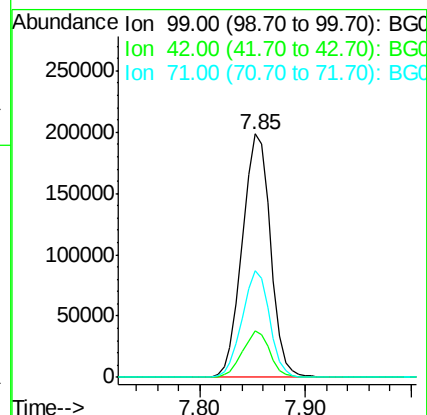
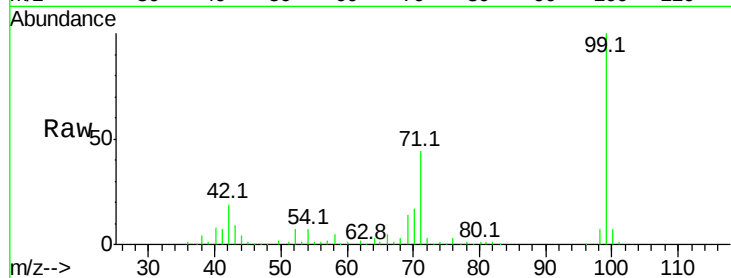
Tot Ion: 99 Resp: 367317

Ion Ratio Lower Upper

99 100

42 18.8 14.1 21.1

71 44.0 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.217 ng

RT: 9.08 min Scan# 986

Delta R.T. 0.10 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

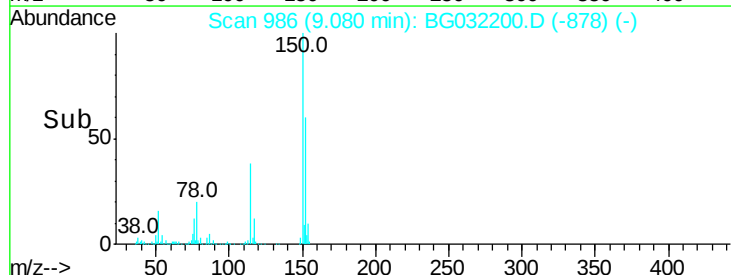
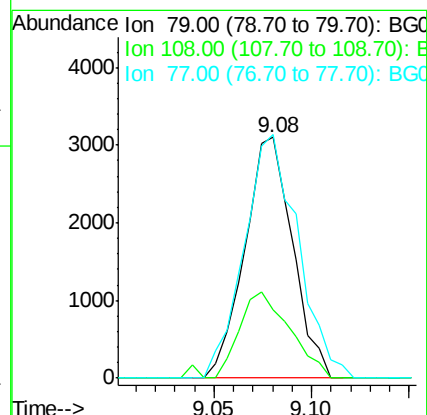
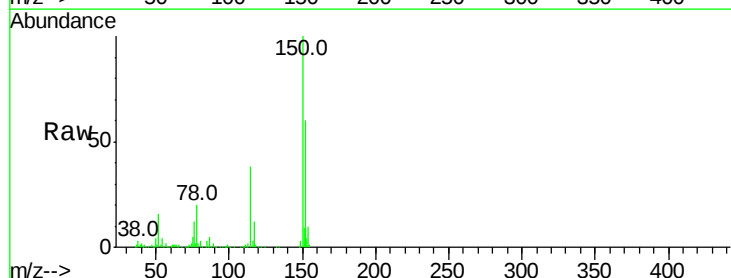
Tgt Ion: 79 Resp: 5254

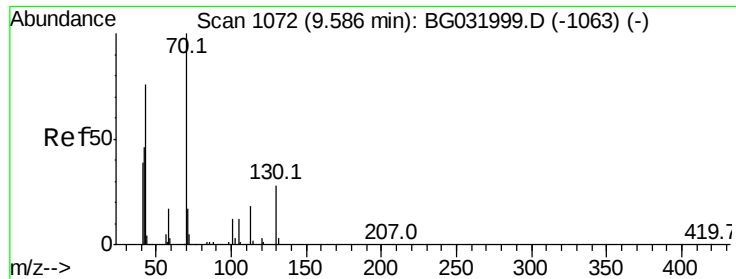
Ion Ratio Lower Upper

79 100

108 28.4 57.2 85.8#

77 101.1 46.1 69.1#





#19

n-Nitroso-di-n-propylamine

Concen: 19.529 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.38 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 39532

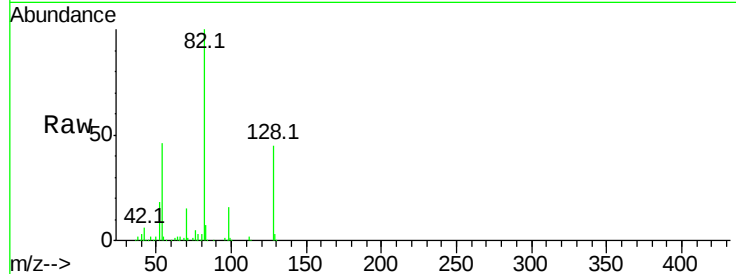
Ion Ratio Lower Upper

70 100

42 40.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.3 13.4 20.0#

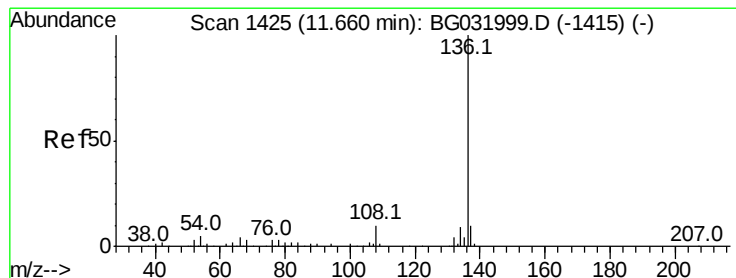
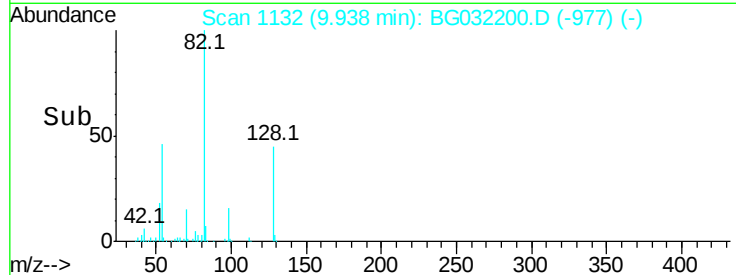
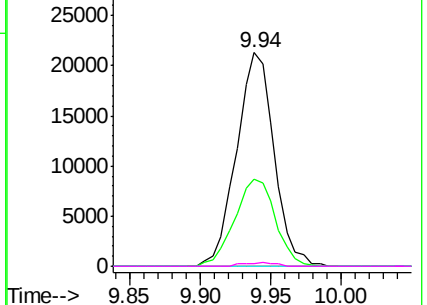


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

Tgt Ion: 136 Resp: 179998

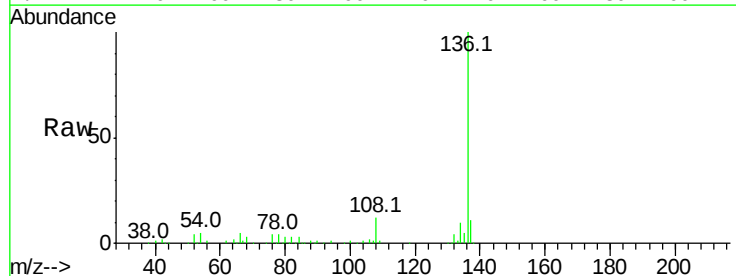
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 5.0 10.3 15.5#

68 2.8 4.5 6.7#

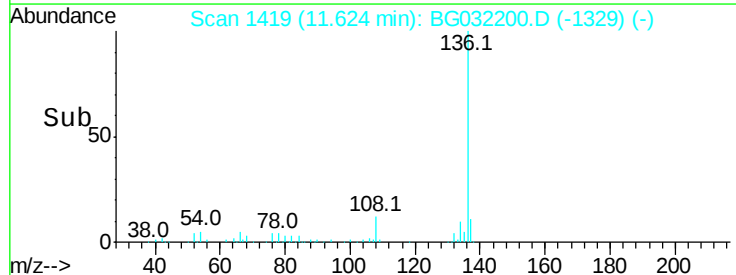
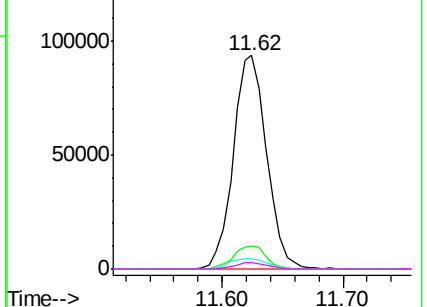


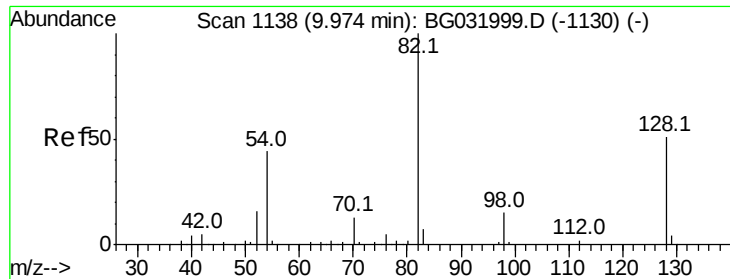
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

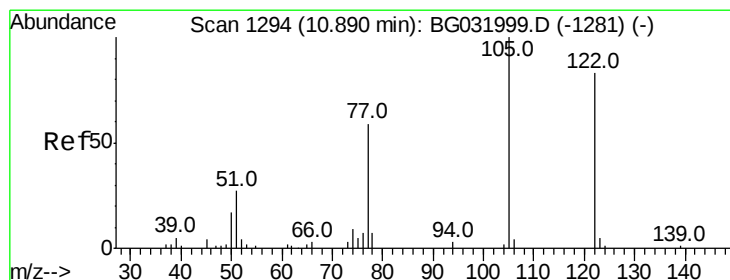
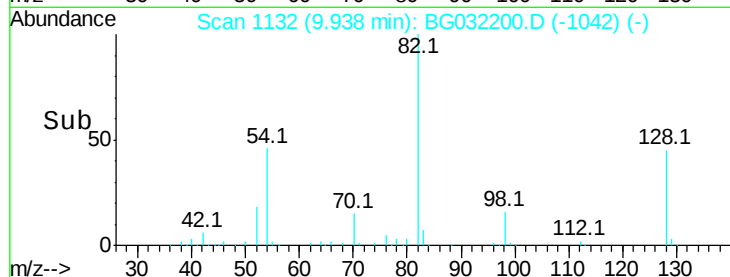
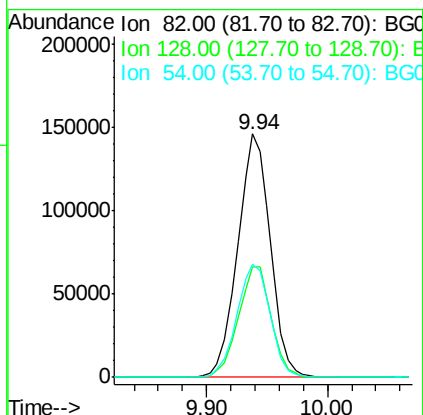
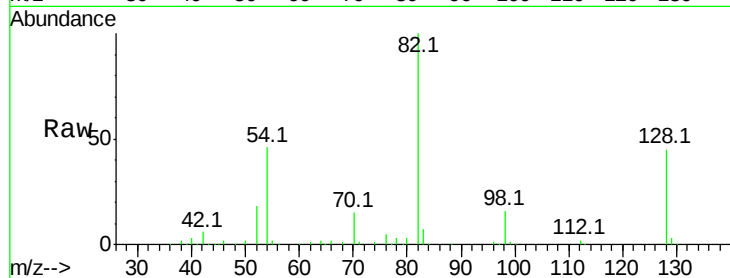




#23
 Nitrobenzene-d5
 Concen: 102.784 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: BG032200.D
 Acq: 21 Jan 2018 4:42

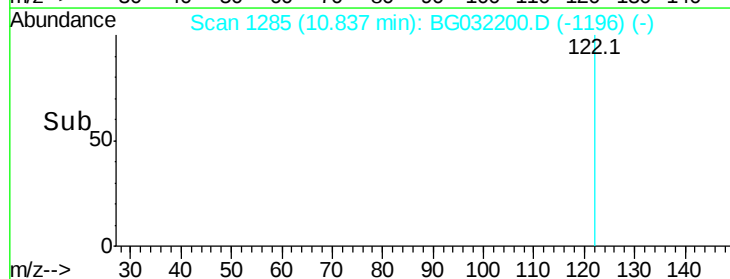
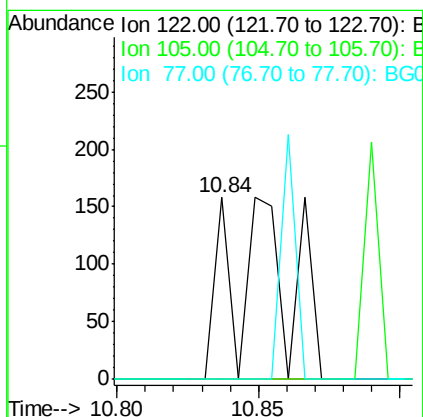
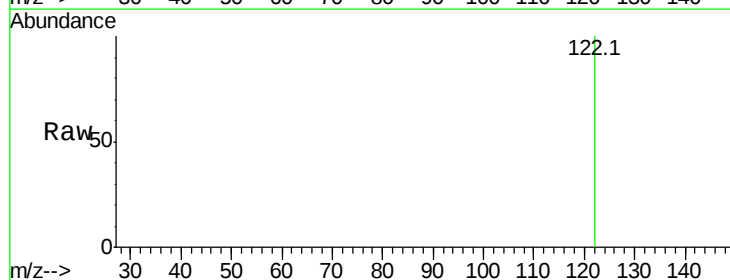
Instrument :
 BNA_G
 ClientSampled :

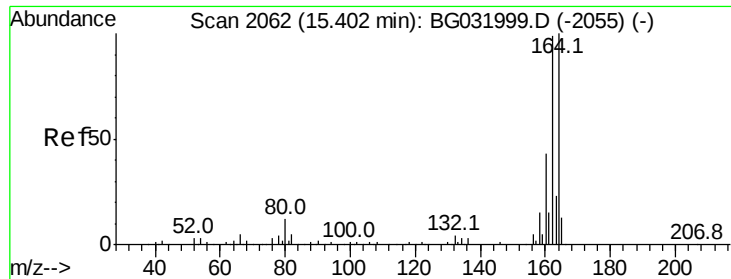
Tot Ion: 82 Resp: 273462
 Ion Ratio Lower Upper
 82 100
 128 45.3 29.7 44.5#
 54 46.4 43.1 64.7



#32
 Benzoic acid
 Concen: 5.354 ng
 RT: 10.84 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: BG032200.D
 Acq: 21 Jan 2018 4:42

Tgt Ion:122 Resp: 220
 Ion Ratio Lower Upper
 122 100
 105 0.0 123.5 163.5#
 77 0.0 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.37 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

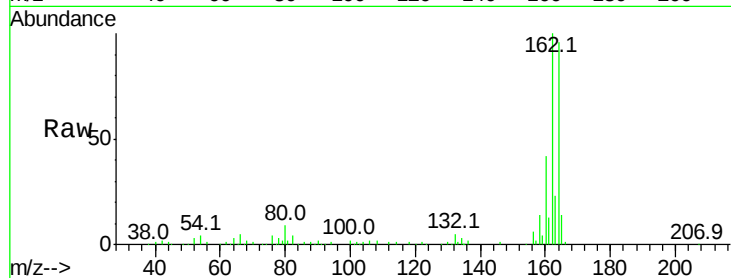
Instrument :

BNA_G

ClientSampled :

Tot Ion:164 Resp: 114457

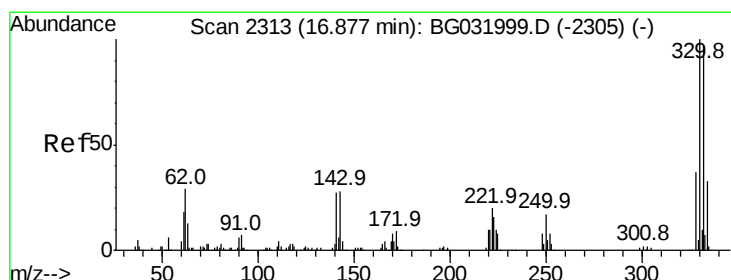
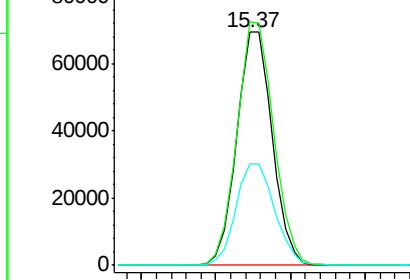
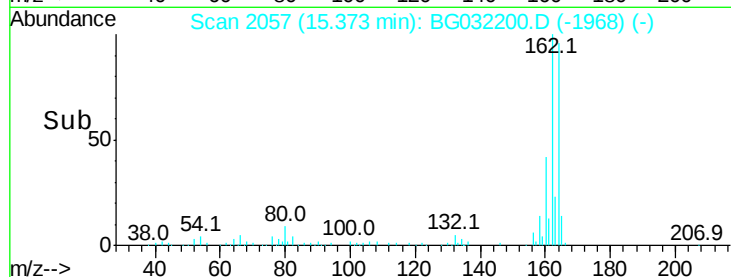
Ion	Ratio	Lower	Upper
164	100		
162	104.4	78.8	118.2
160	43.6	35.4	53.0



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: 144.556 ng

RT: 16.85 min Scan# 2309

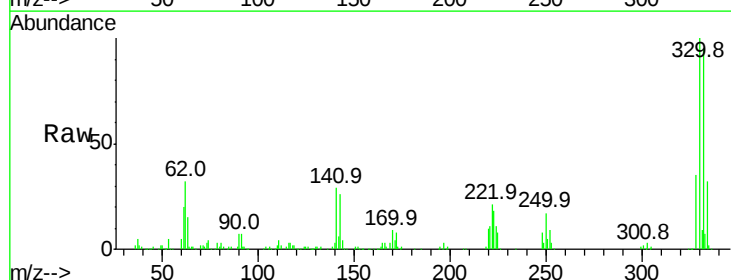
Delta R.T. -0.00 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

Tgt Ion:330 Resp: 273788

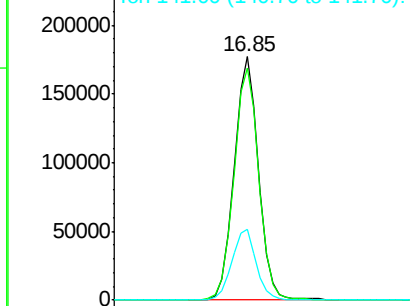
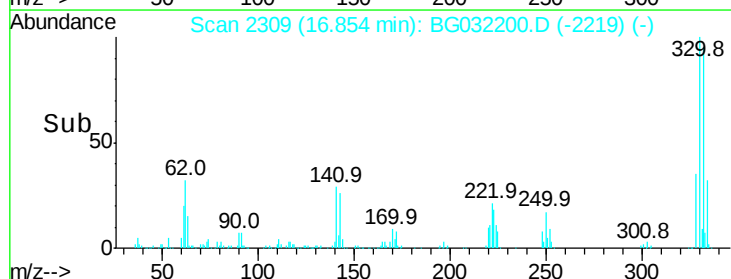
Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	29.1	25.2	37.8

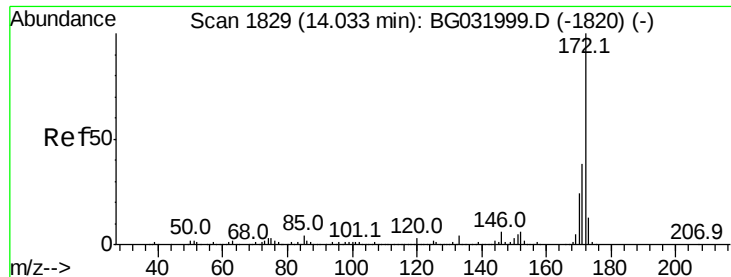


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



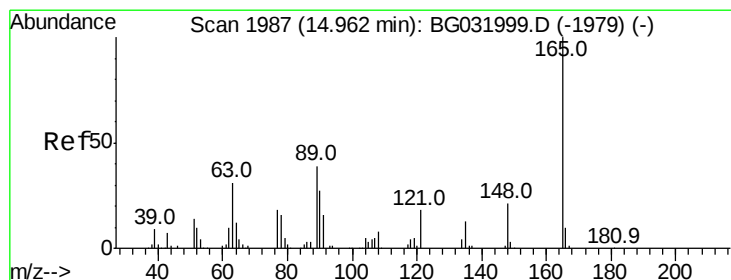
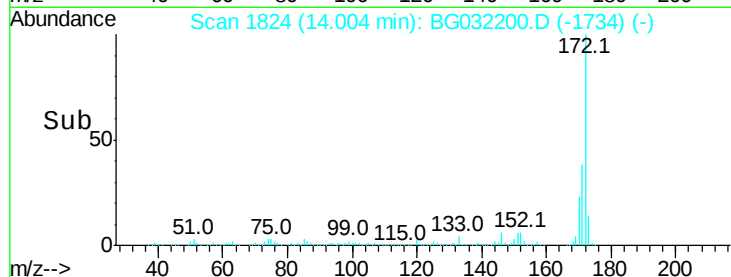
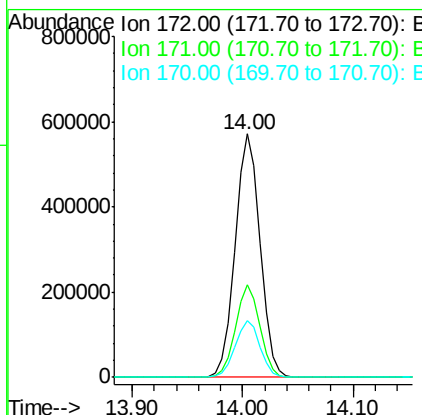
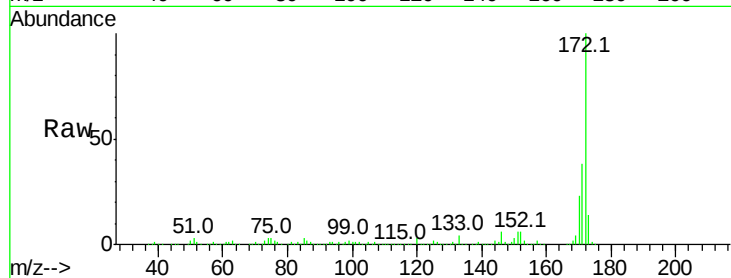


#44
 2-Fluorobiphenyl
 Concen: 97.876 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032200.D
 Acq: 21 Jan 2018 4:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 903471

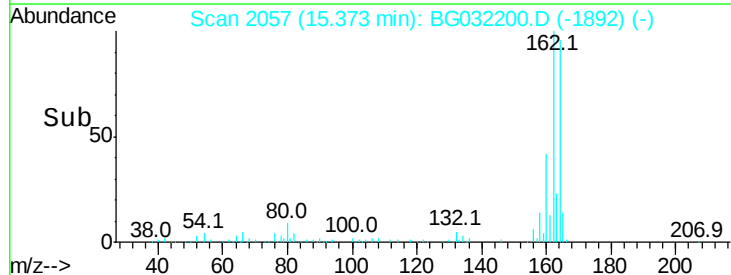
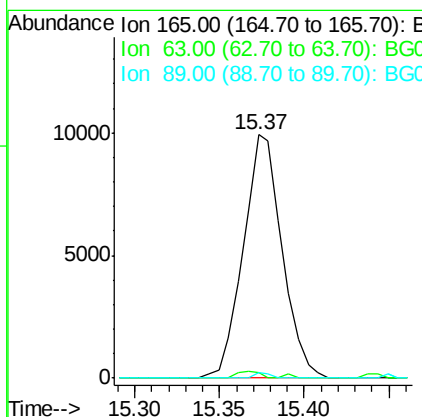
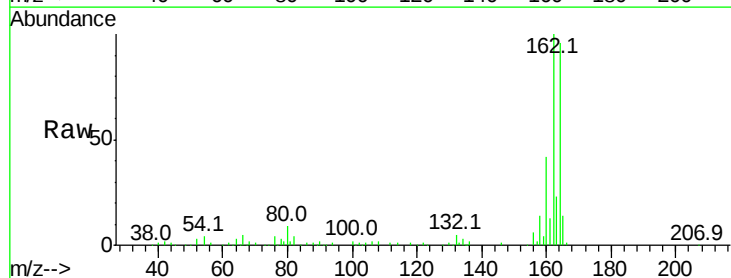
Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	23.5	19.5	29.3

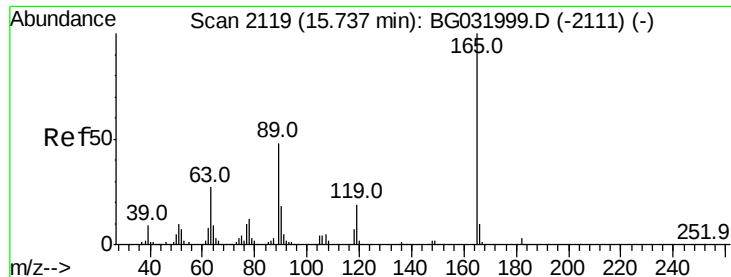


#50
 2,6-Dinitrotoluene
 Concen: 7.602 ng
 RT: 15.37 min Scan# 2057
 Delta R.T. 0.44 min
 Lab File: BG032200.D
 Acq: 21 Jan 2018 4:42

Tgt Ion:165 Resp: 15805

Ion	Ratio	Lower	Upper
165	100		
63	2.4	52.7	79.1#
89	2.0	49.2	73.8#

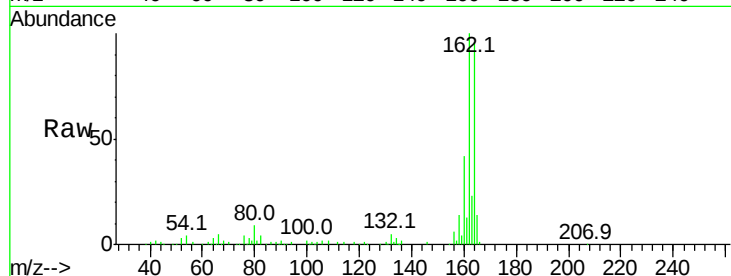




#56
 2,4-Dinitrotoluene
 Concen: 5.647 ng
 RT: 15.37 min Scan# 2057
 Delta R.T. -0.34 min
 Lab File: BG032200.D
 Acq: 21 Jan 2018 4:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	42.0	63.0#
89	2.0	66.9	100.3#
182	0.0	2.6	3.8#



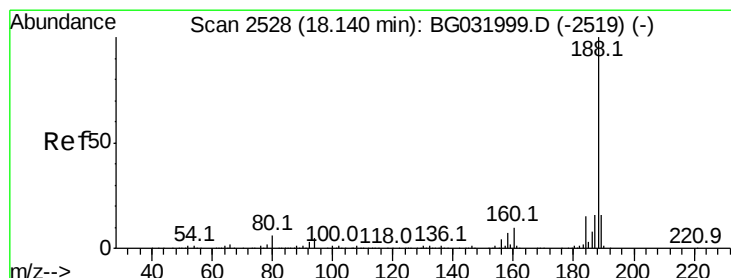
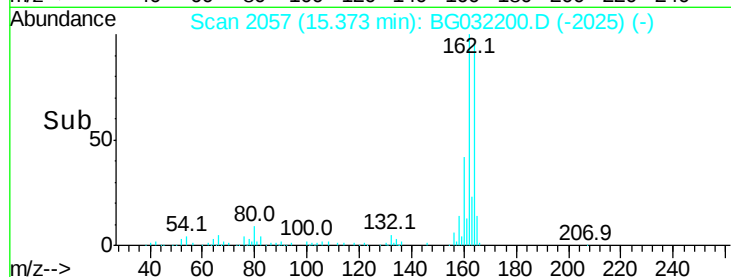
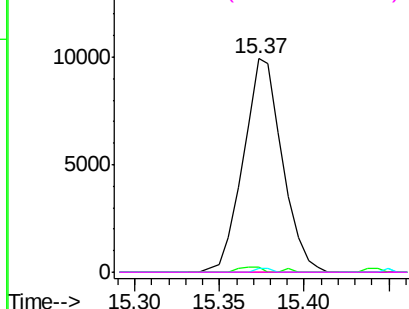
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

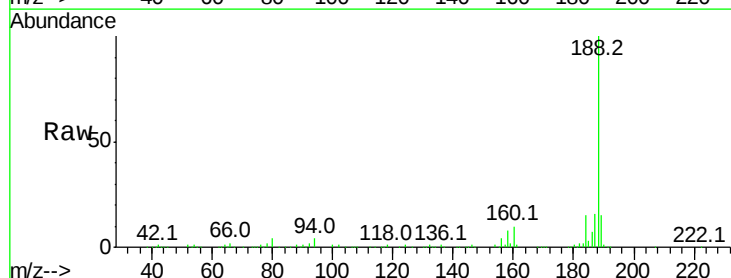
Ion 89.00 (88.70 to 89.70): BGC

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: BG032200.D
 Acq: 21 Jan 2018 4:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.0	6.9	10.3#
80	4.5	7.7	11.5#

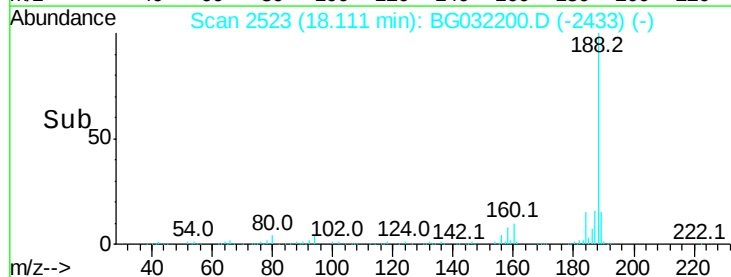
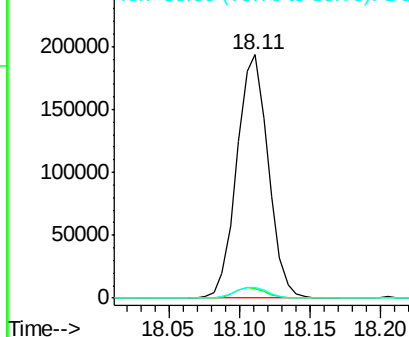


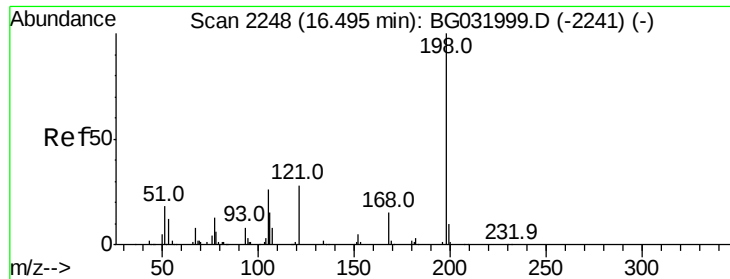
Abundance

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

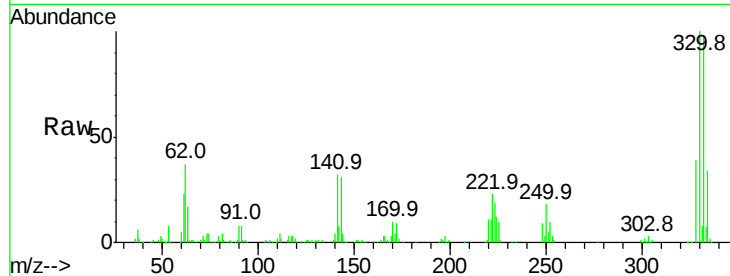




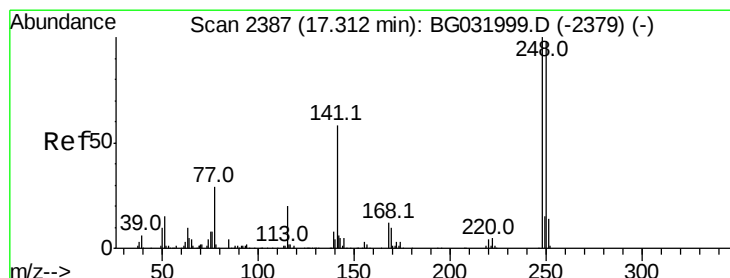
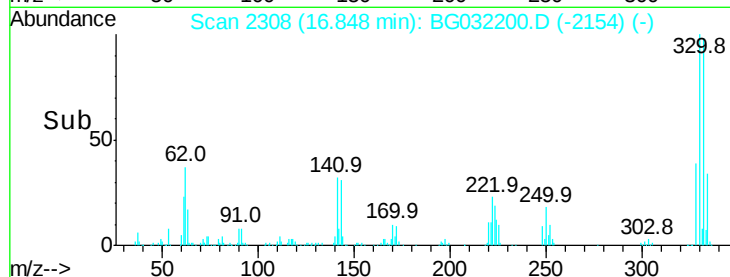
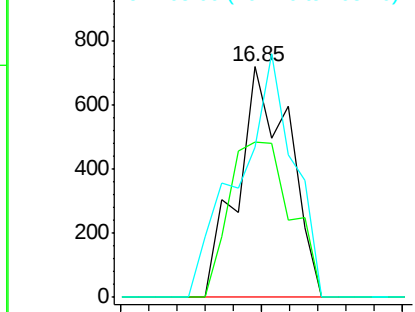
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.311 ng
 RT: 16.85 min Scan# 2308
 Delta R.T. 0.37 min
 Lab File: BG032200.D
 Acq: 21 Jan 2018 4:42

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 915
 Ion Ratio Lower Upper
 198 100
 51 67.5 30.6 70.6
 105 65.3 23.8 63.8#

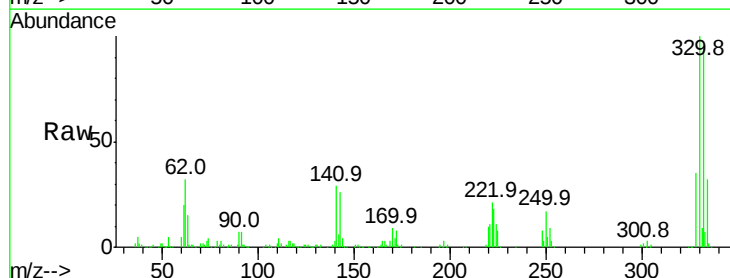


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

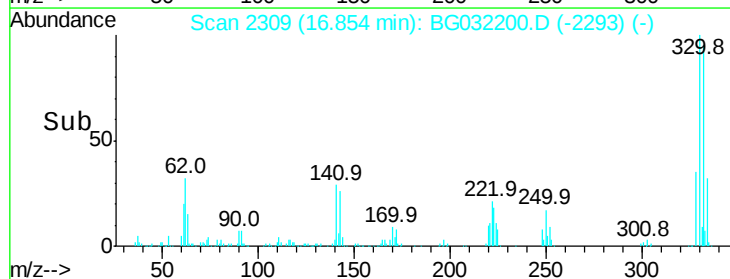
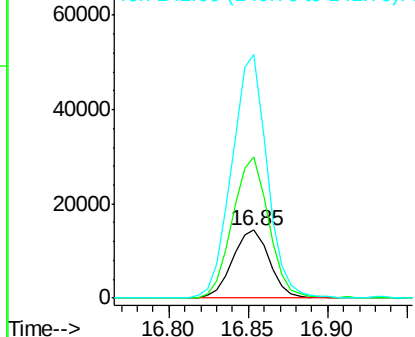


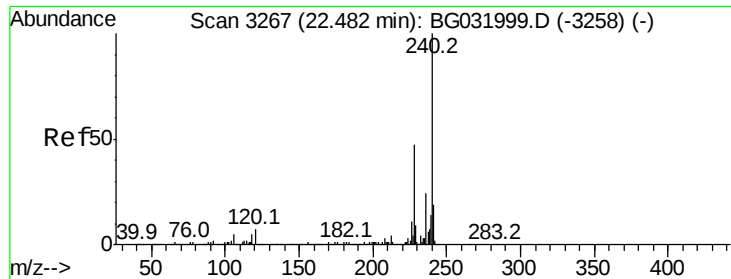
#66
 4-Bromophenyl-phenylether
 Concen: 5.454 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.44 min
 Lab File: BG032200.D
 Acq: 21 Jan 2018 4:42

Tgt Ion:248 Resp: 23364
 Ion Ratio Lower Upper
 248 100
 250 206.9 77.1 115.7#
 141 358.1 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: BG032200.D

Acq: 21 Jan 2018 4:42

Instrument :

BNA_G

ClientSampleId :

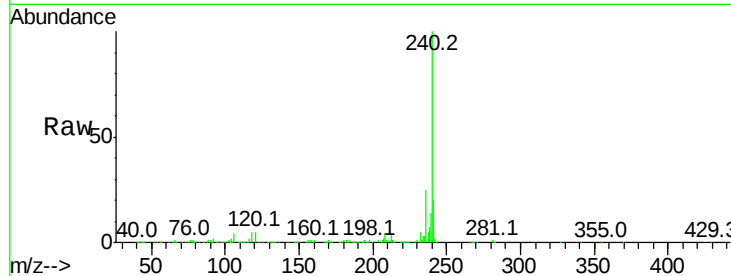
Tot Ion:240 Resp: 407561

Ion Ratio Lower Upper

240 100

120 4.6 6.8 10.2#

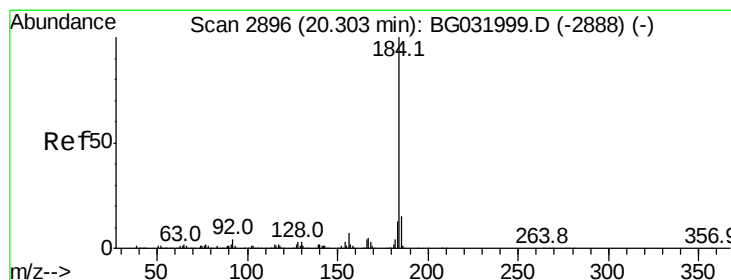
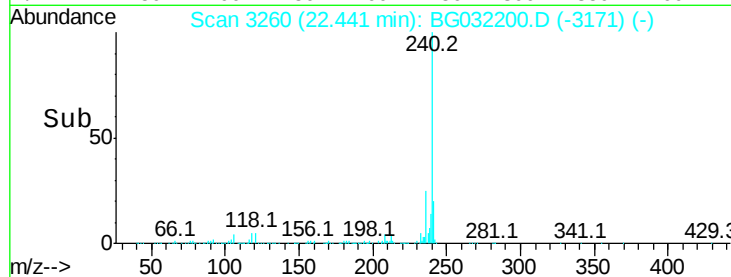
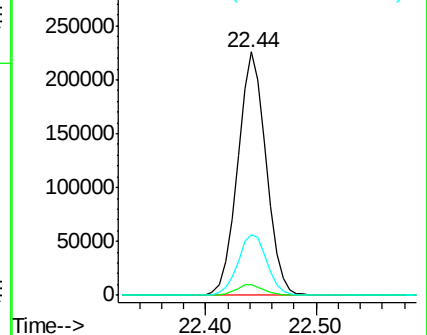
236 25.0 20.9 31.3



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: 2.497 ng

RT: 20.64 min Scan# 2954

Delta R.T. 0.37 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

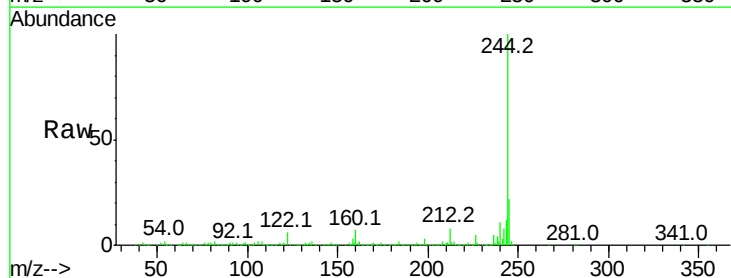
Tgt Ion:184 Resp: 25453

Ion Ratio Lower Upper

184 100

185 17.5 11.1 16.7#

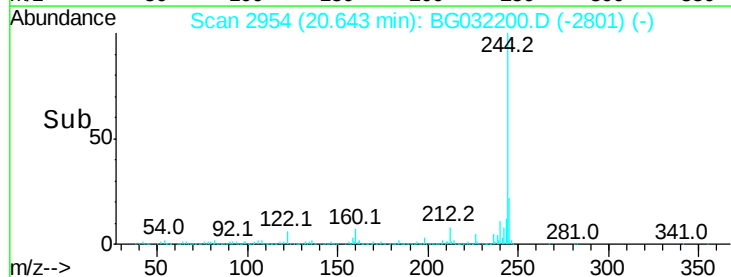
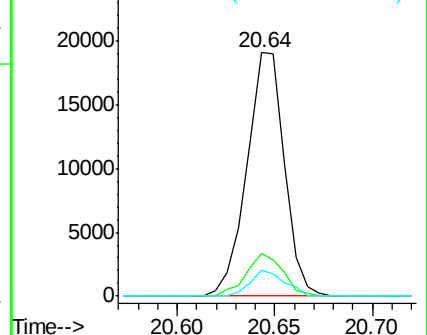
183 10.5 10.6 16.0#

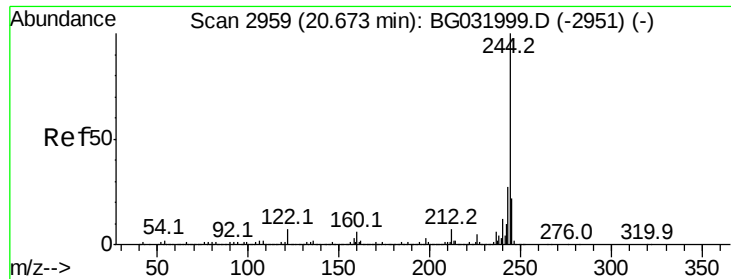


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.894 ng

RT: 20.64 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

Instrument :

BNA_G

ClientSampleId :

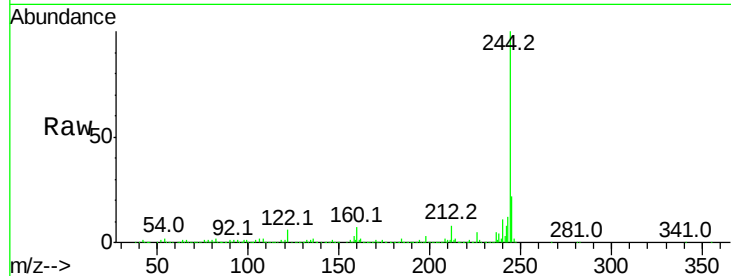
Tot Ion:244 Resp: 1788462

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

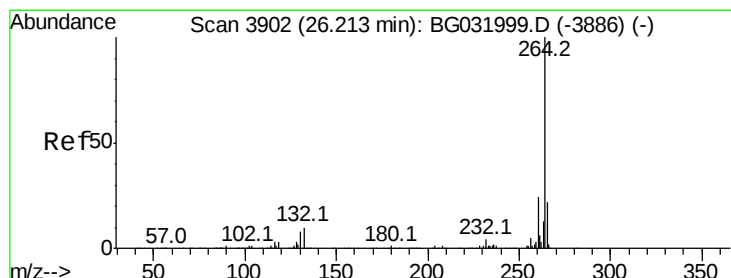
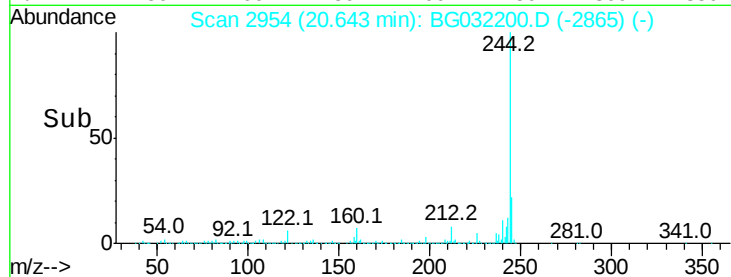
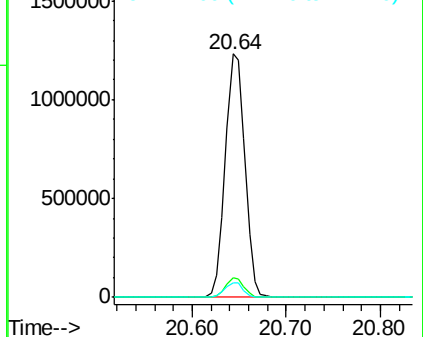
122 6.0 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.14 min Scan# 3890

Delta R.T. -0.01 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

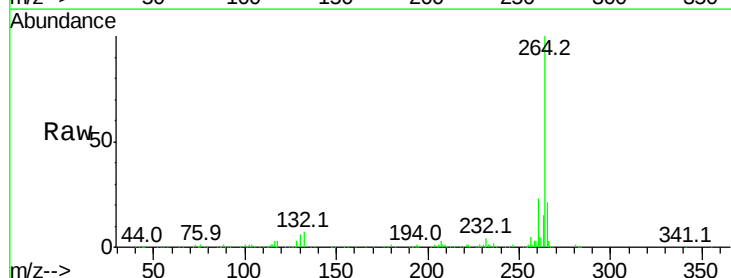
Tgt Ion:264 Resp: 435769

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 20.8 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

