

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032870.D
 Acq On : 28 Feb 2018 1:31
 Operator : SJ/JU
 Sample : J1397-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 28 02:42:46 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	78008	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	331156	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	183507	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	420622	20.00	ng	0.00
75) Chrysene-d12	22.62	240	383414	20.00	ng	-0.01
86) Perylene-d12	26.43	264	391126	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	657536	134.85	ng	0.00
7) Phenol-d6	8.02	99	784768	115.47	ng	0.00
23) Nitrobenzene-d5	10.12	82	556279	112.89	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	298626	154.77	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1187751	93.35	ng	0.00
78) Terphenyl-d14	20.78	244	1714768	100.48	ng	0.00

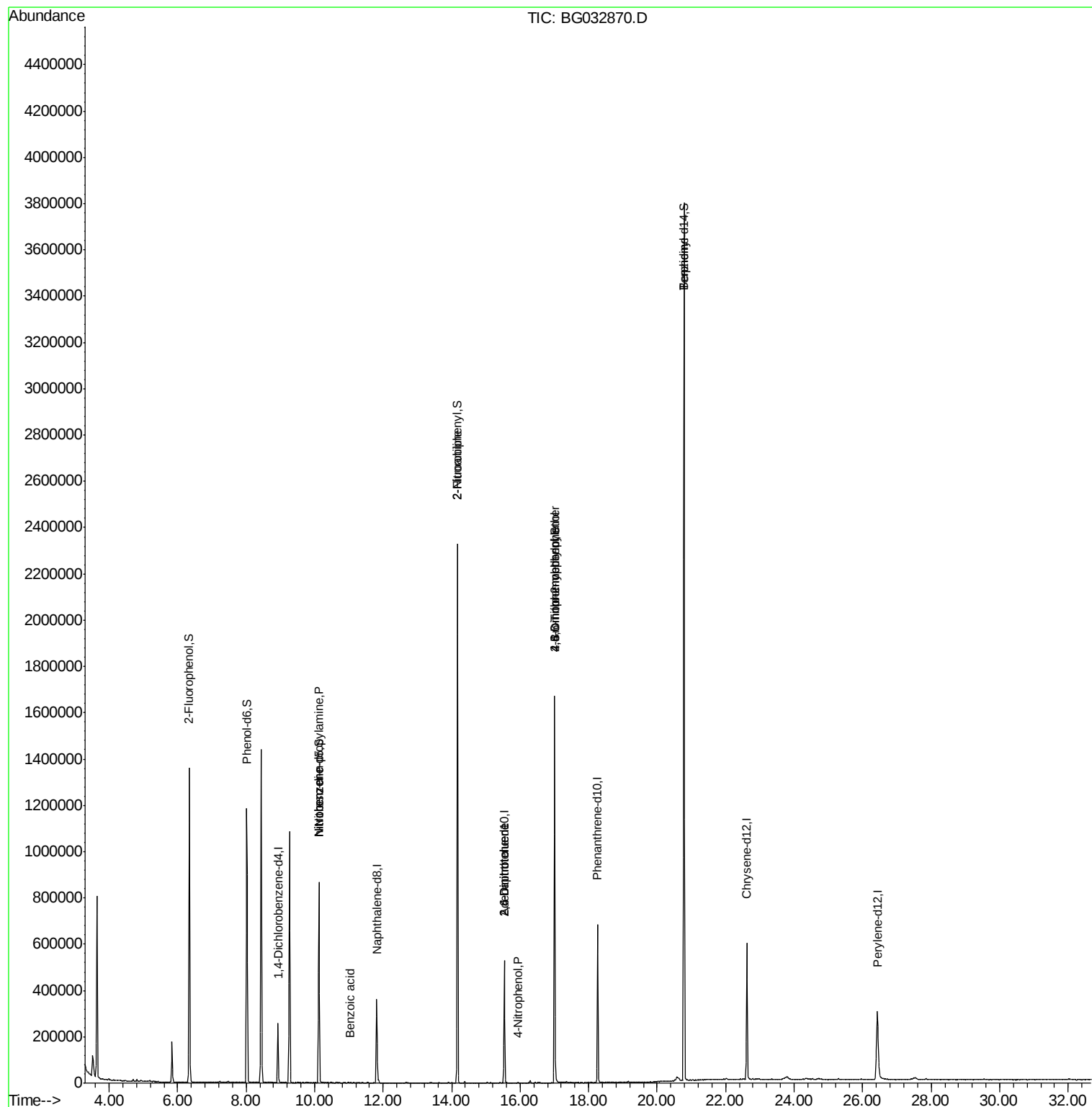
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	71998	15.01	ng	# 78
24) Nitrobenzene	10.12	77	1643	6.65	ng	# 42
32) Benzoic acid	11.04	122	62	5.84	ng	# 69
47) 2-Nitroaniline	14.17	65	2026	10.37	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	23749	16.40	ng	# 21
55) 4-Nitrophenol	15.94	139	267	7.18	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	23749	14.60	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.01	198	794	5.75	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	22090	4.97	ng	# 1
76) Benzidine	20.78	184	29815	2.28	ng	# 90

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

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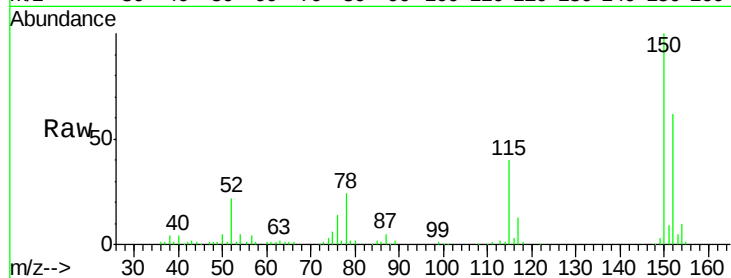


#1

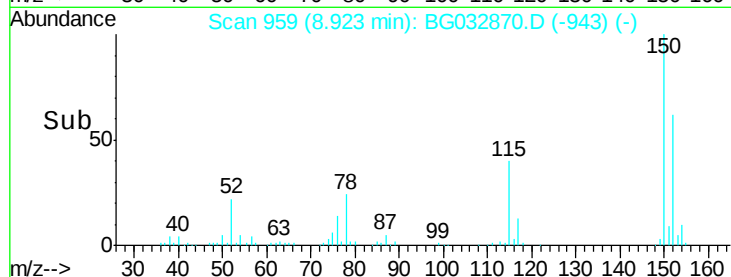
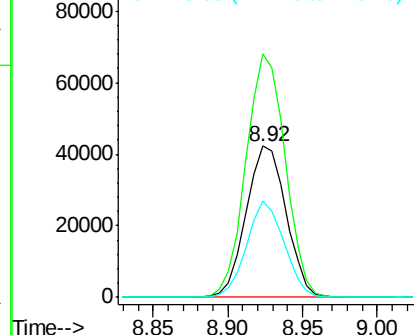
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032870.D
Acq: 28 Feb 2018 1:31

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 78008
Ion Ratio Lower Upper
152 100
150 161.4 126.6 189.8
115 64.1 53.0 79.4



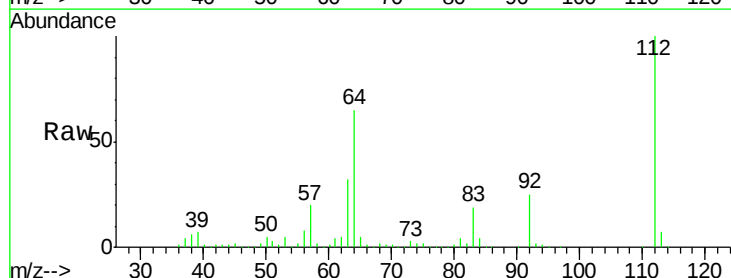
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



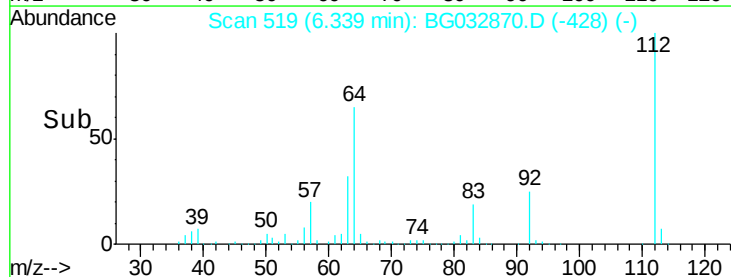
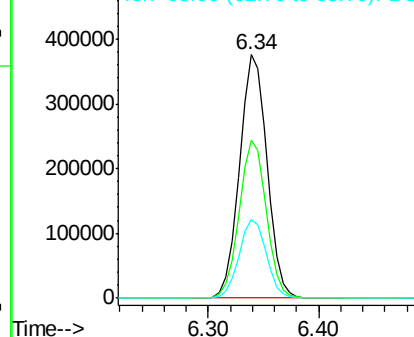
#5

2-Fluorophenol
Concen: 134.85 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032870.D
Acq: 28 Feb 2018 1:31

Tgt Ion:112 Resp: 657536
Ion Ratio Lower Upper
112 100
64 64.8 56.3 84.5
63 32.3 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: 115.47 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032870.D

Acq: 28 Feb 2018 1:31

Instrument :

BNA_G

ClientSampled :

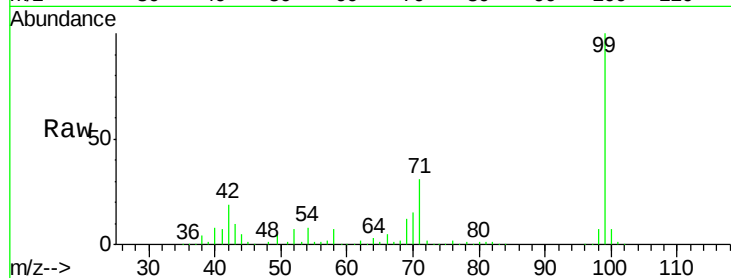
Tot Ion: 99 Resp: 784768

Ion Ratio Lower Upper

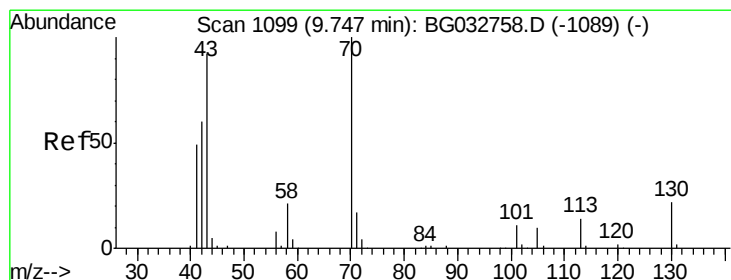
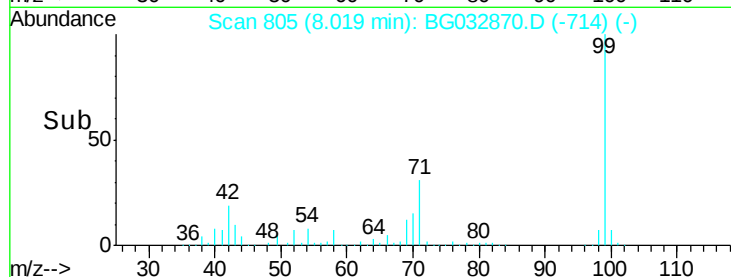
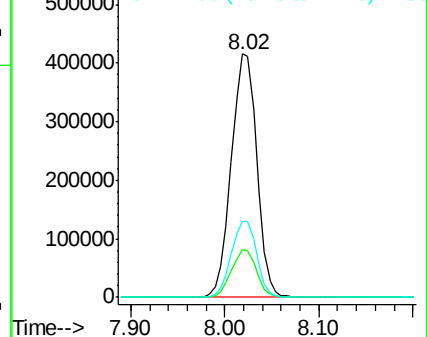
99 100

42 19.4 14.1 21.1

71 31.4 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 15.01 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032870.D

Acq: 28 Feb 2018 1:31

Tgt Ion: 70 Resp: 71998

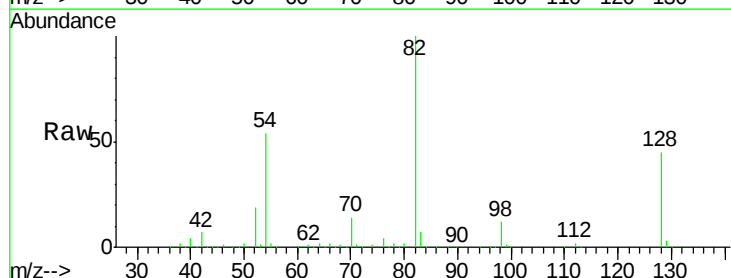
Ion Ratio Lower Upper

70 100

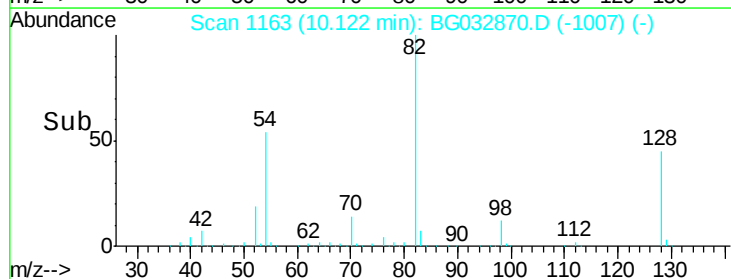
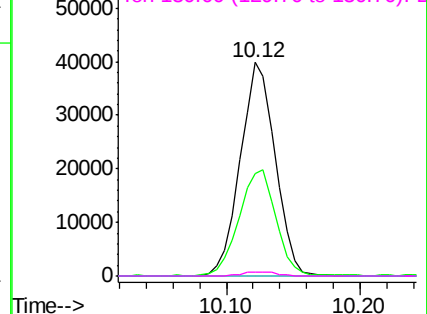
42 48.1 49.1 73.7#

101 0.0 8.5 12.7#

130 2.0 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

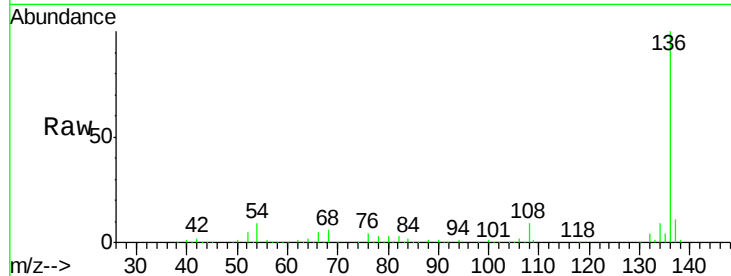




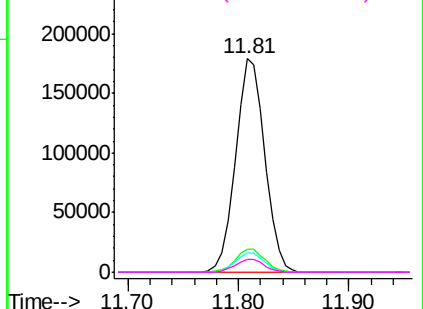
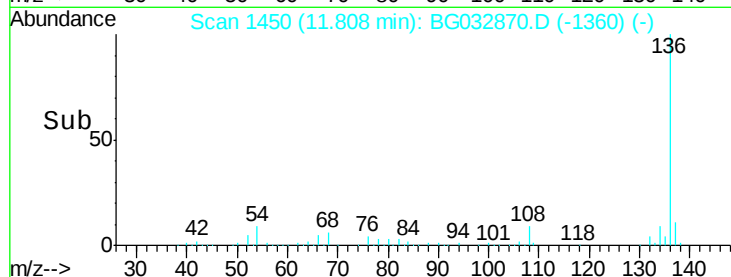
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032870.D
Acq: 28 Feb 2018 1:31

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	331156
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	9.3	10.3	15.5#
68	6.0	4.5	6.7

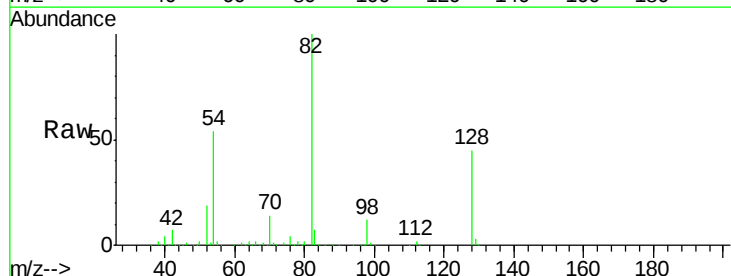


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

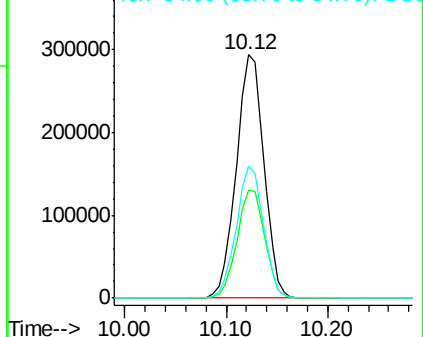
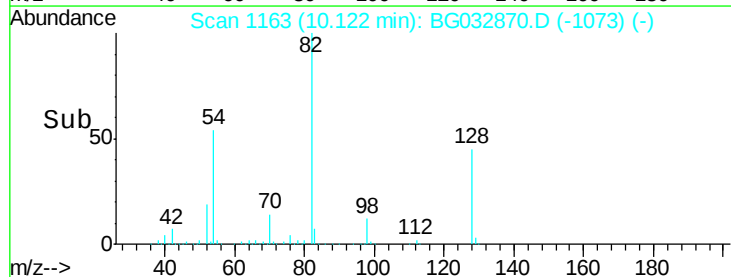


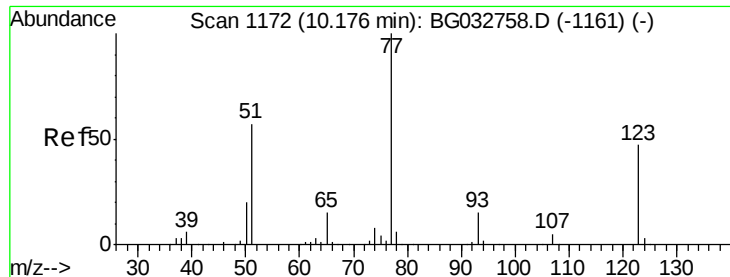
#23
Nitrobenzene-d5
Concen: 112.89 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032870.D
Acq: 28 Feb 2018 1:31

Tgt Ion:	82	Resp:	556279
Ion	Ratio	Lower	Upper
82	100		
128	44.6	29.7	44.5#
54	54.3	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 6.65 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.04 min

Lab File: BG032870.D

Acq: 28 Feb 2018 1:31

Instrument :

BNA_G

ClientSampleId :

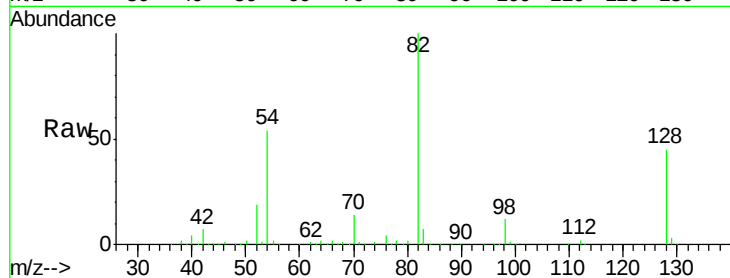
Tot Ion: 77 Resp: 1643

Ion Ratio Lower Upper

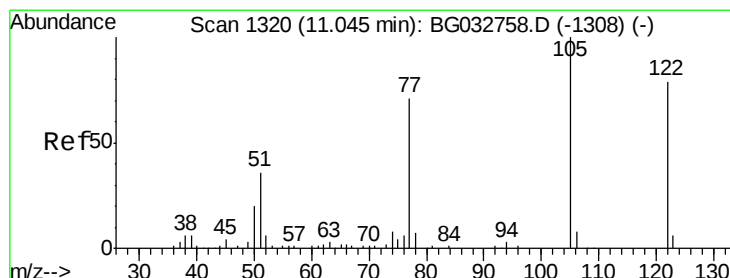
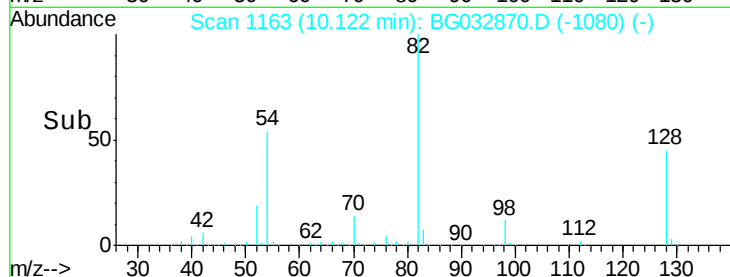
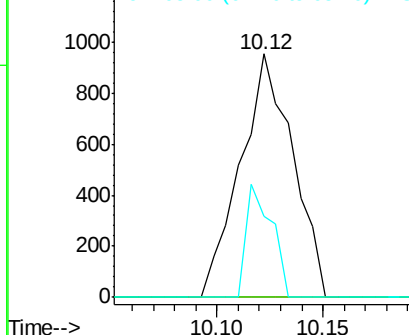
77 100

123 0.0 33.0 49.6#

65 33.3 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#32

Benzoic acid

Concen: 5.84 ng

RT: 11.04 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BG032870.D

Acq: 28 Feb 2018 1:31

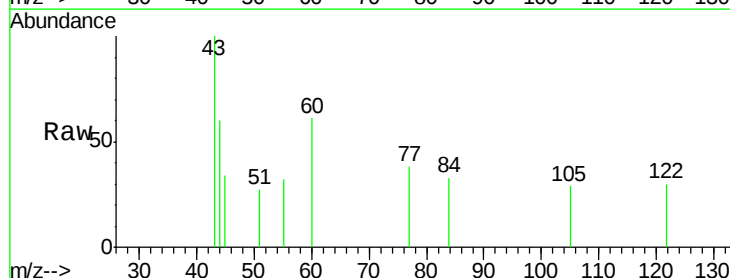
Tgt Ion: 122 Resp: 62

Ion Ratio Lower Upper

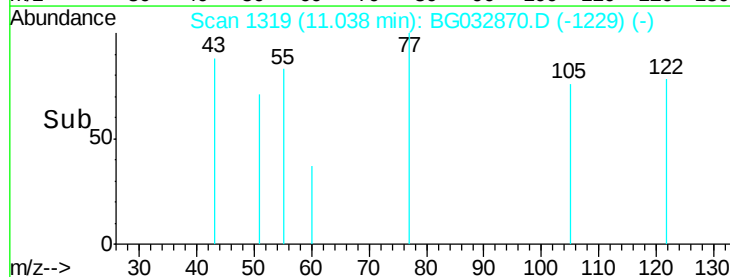
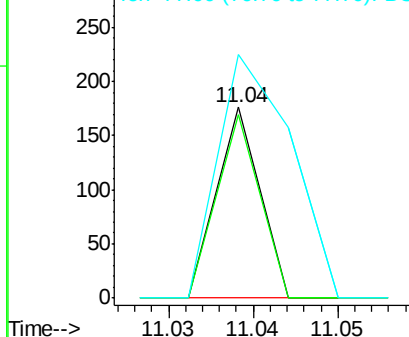
122 100

105 96.6 123.5 163.5#

77 127.8 85.7 125.7#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.00 min

Lab File: BG032870.D

Acq: 28 Feb 2018 1:31

Instrument :

BNA_G

ClientSampleId :

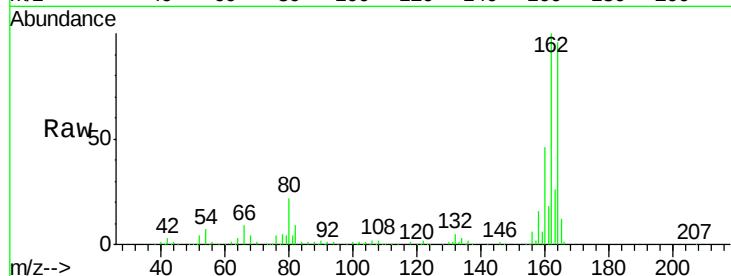
Tot Ion:164 Resp: 183507

Ion Ratio Lower Upper

164 100

162 103.6 78.8 118.2

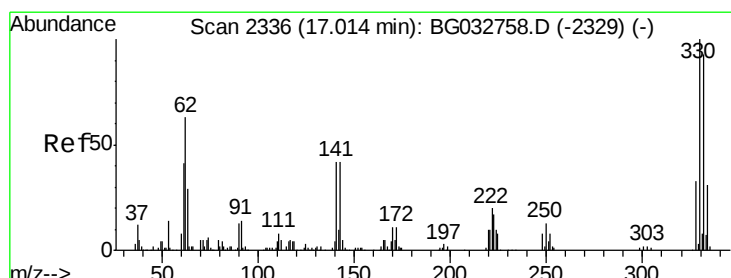
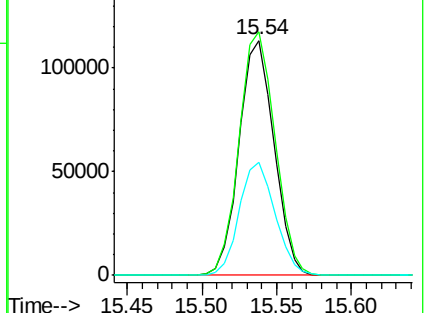
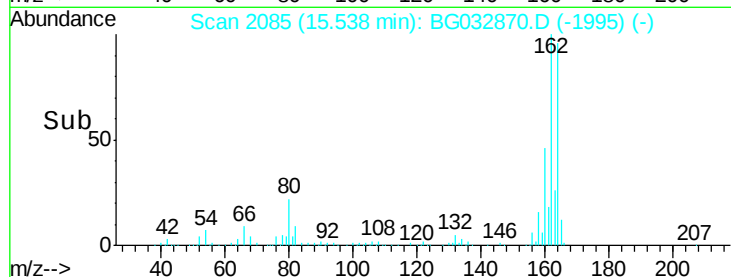
160 48.2 35.4 53.0



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: 154.77 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.00 min

Lab File: BG032870.D

Acq: 28 Feb 2018 1:31

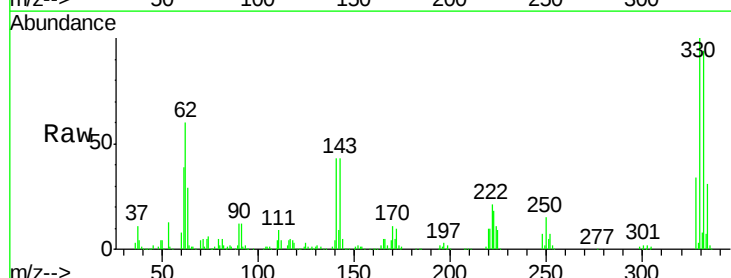
Tgt Ion:330 Resp: 298626

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

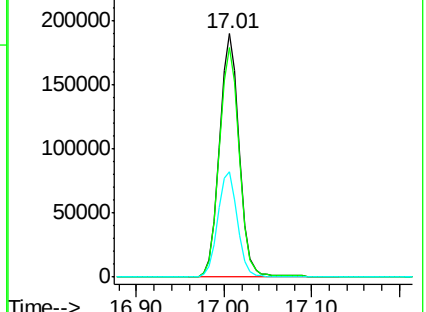
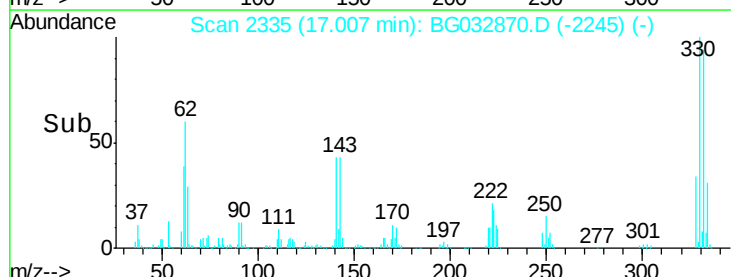
141 43.2 25.2 37.8#

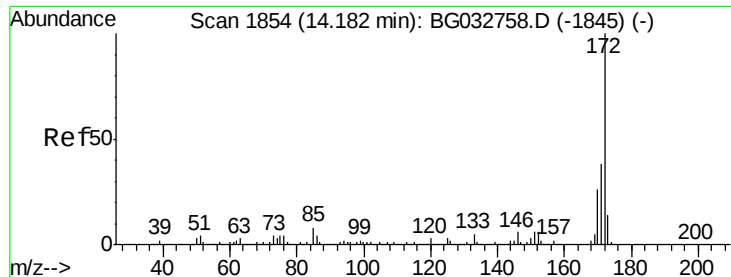


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

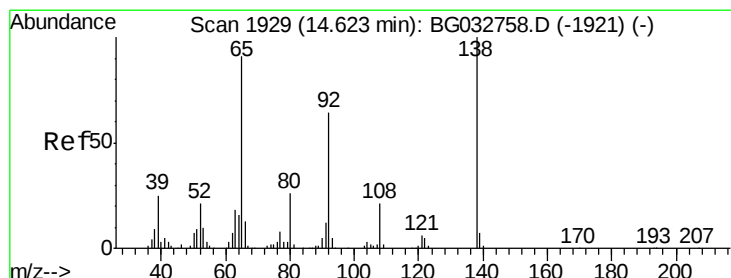
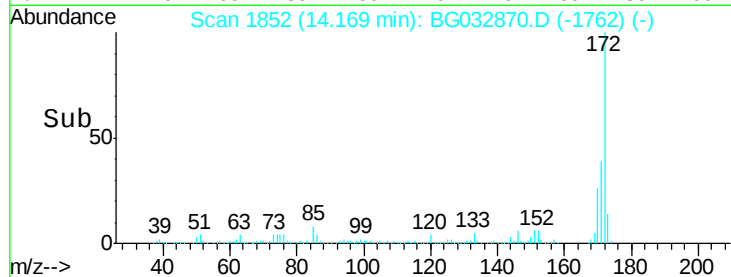
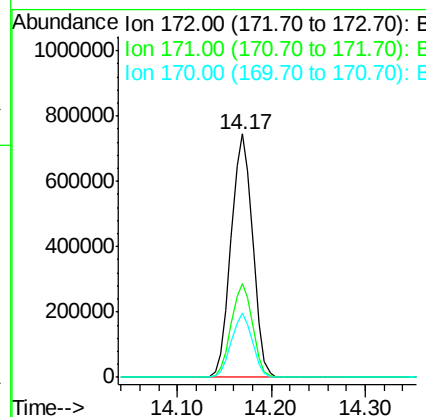
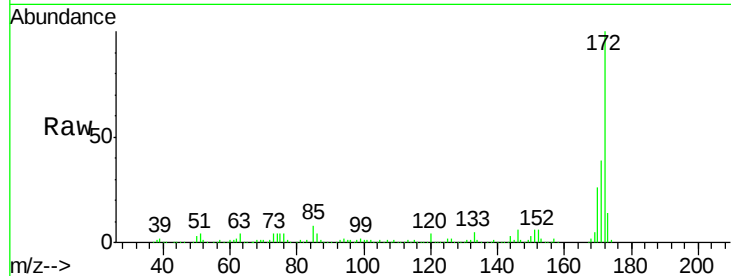




#44
2-Fluorobiphenyl
Concen: 93.35 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BG032870.D
Acq: 28 Feb 2018 1:31

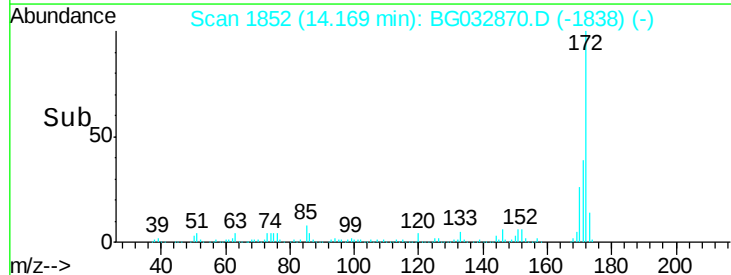
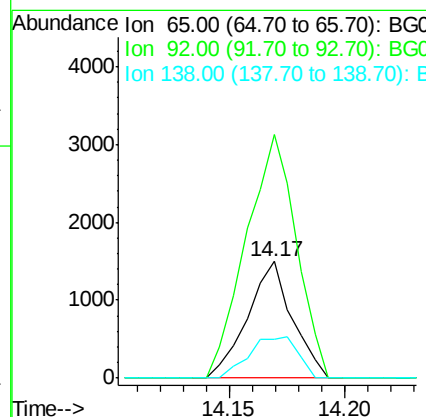
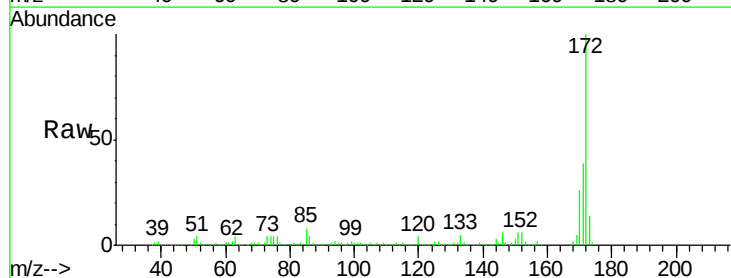
Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1187751
Ion Ratio Lower Upper
172 100
171 38.6 30.0 45.0
170 26.3 19.5 29.3



#47
2-Nitroaniline
Concen: 10.37 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.45 min
Lab File: BG032870.D
Acq: 28 Feb 2018 1:31

Tgt Ion: 65 Resp: 2026
Ion Ratio Lower Upper
65 100
92 208.6 54.6 82.0#
138 33.2 72.9 109.3#





#50

2,6-Dinitrotoluene

Concen: 16.40 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.44 min

Lab File: BG032870.D

Acq: 28 Feb 2018 1:31

Instrument :

BNA_G

ClientSampleId :

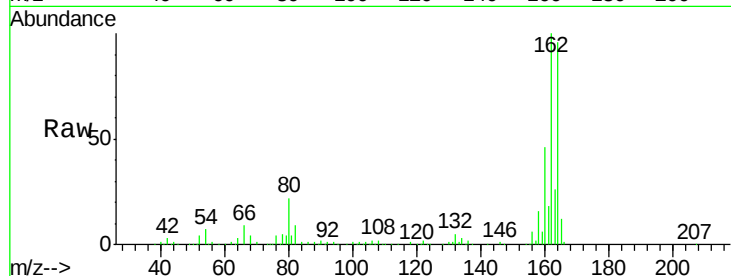
Tot Ion:165 Resp: 23749

Ion Ratio Lower Upper

165 100

63 1.4 52.7 79.1#

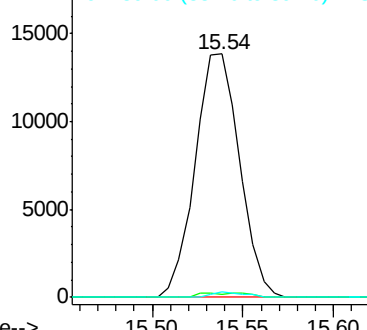
89 2.2 49.2 73.8#



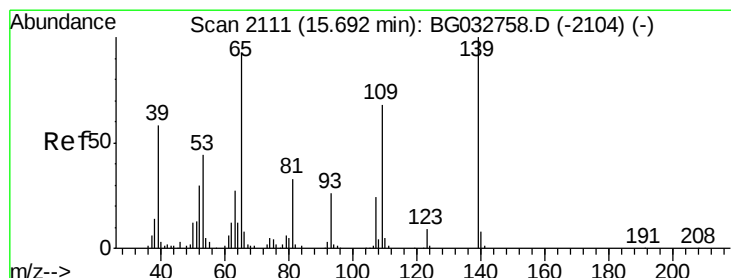
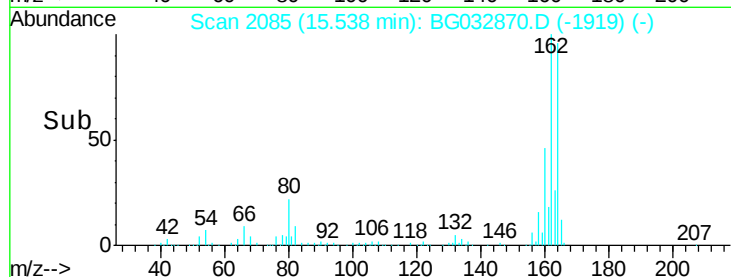
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time-->



#55

4-Nitrophenol

Concen: 7.18 ng

RT: 15.94 min Scan# 2153

Delta R.T. 0.25 min

Lab File: BG032870.D

Acq: 28 Feb 2018 1:31

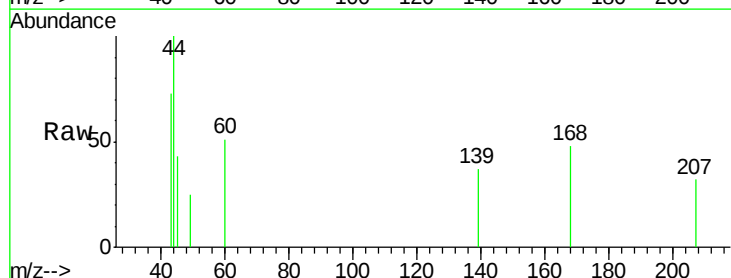
Tgt Ion:139 Resp: 267

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

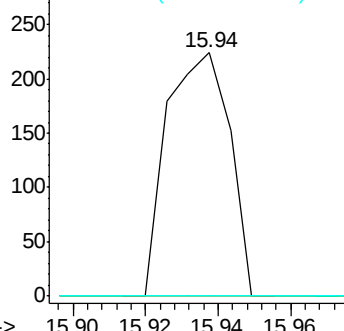
65 0.0 97.2 137.2#



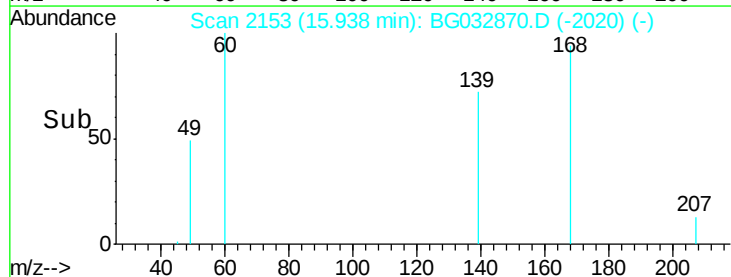
Abundance Ion 139.00 (138.70 to 139.70): E

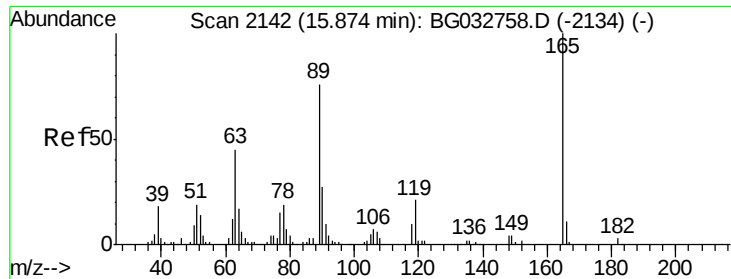
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



Time-->

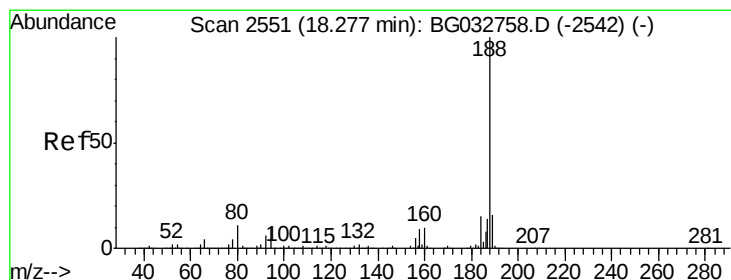
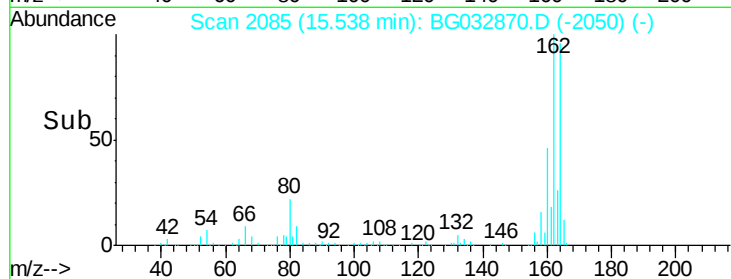
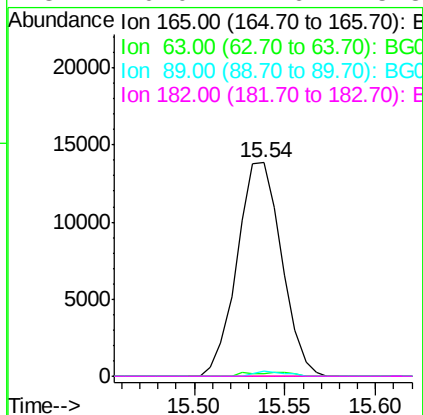
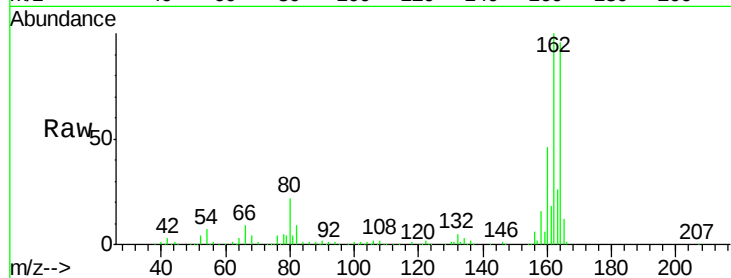




#56
 2,4-Dinitrotoluene
 Concen: 14.60 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.33 min
 Lab File: BG032870.D
 Acq: 28 Feb 2018 1:31

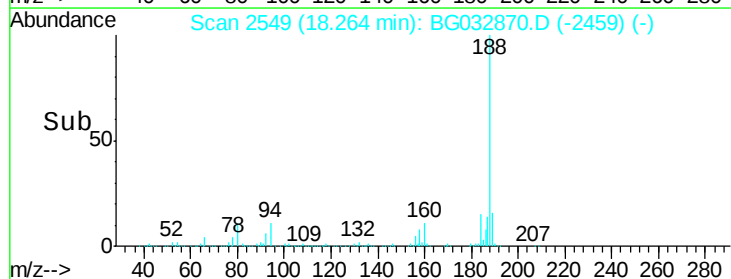
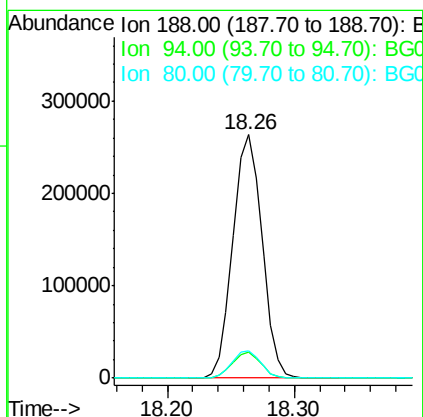
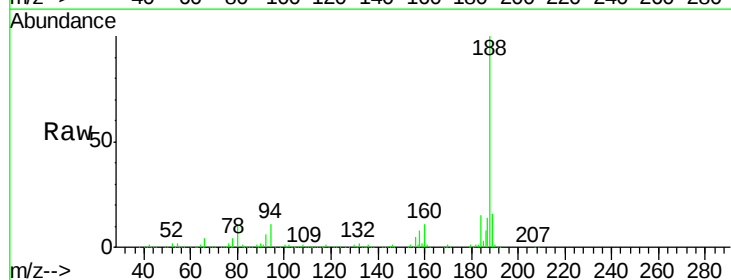
Instrument :
 BNA_G
 ClientSampleId :

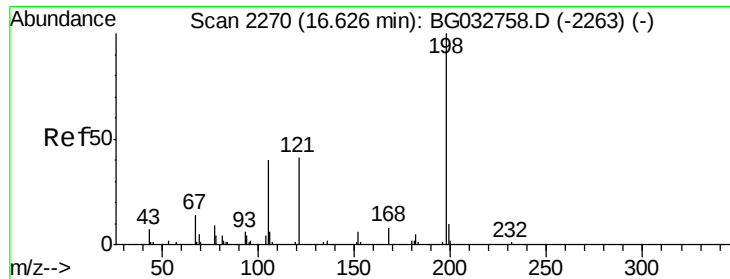
Tot Ion:165	Resp:	23749
Ion Ratio	Lower	Upper
165	100	
63	1.4	42.0 63.0#
89	2.2	66.9 100.3#
182	0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: BG032870.D
 Acq: 28 Feb 2018 1:31

Tgt Ion:188	Resp:	420622
Ion Ratio	Lower	Upper
188	100	
94	10.6	6.9 10.3#
80	11.1	7.7 11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 5.75 ng

RT: 17.01 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032870.D

Acq: 28 Feb 2018 1:31

Instrument :

BNA_G

ClientSampleId :

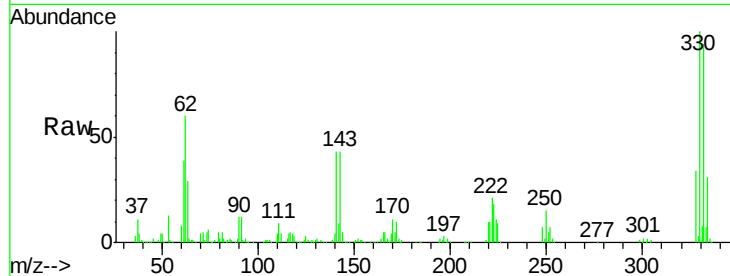
Tot Ion:198 Resp: 794

Ion Ratio Lower Upper

198 100

51 183.3 30.6 70.6#

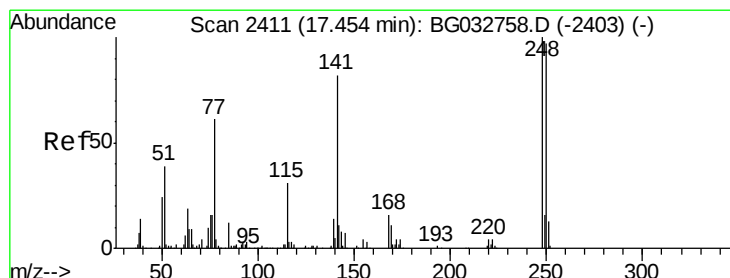
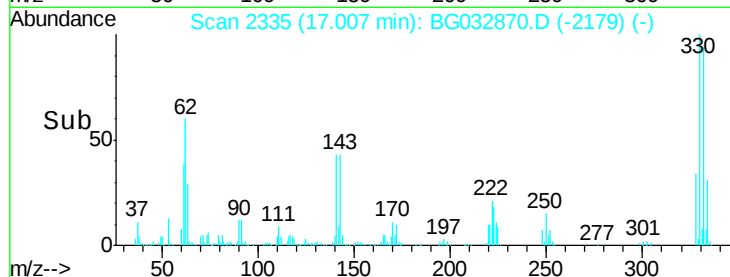
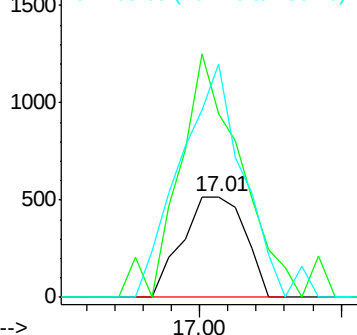
105 232.8 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG032758.D (-2263) (-)

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.97 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.44 min

Lab File: BG032870.D

Acq: 28 Feb 2018 1:31

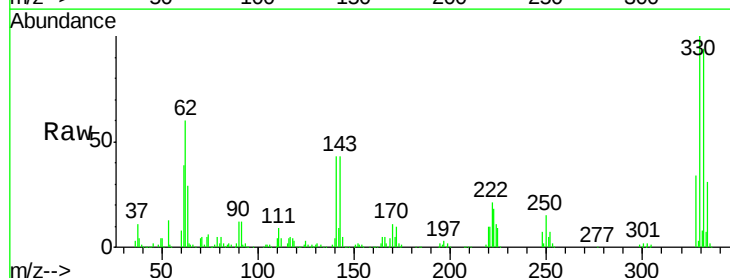
Tgt Ion:248 Resp: 22090

Ion Ratio Lower Upper

248 100

250 203.9 77.1 115.7#

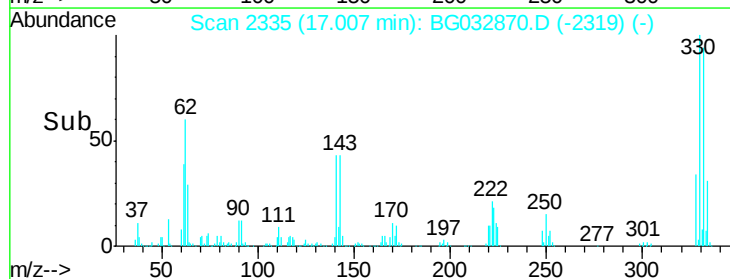
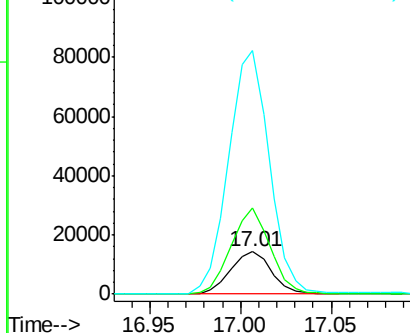
141 579.2 50.8 76.2#

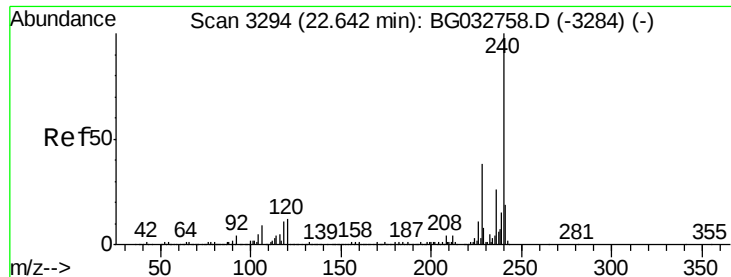


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

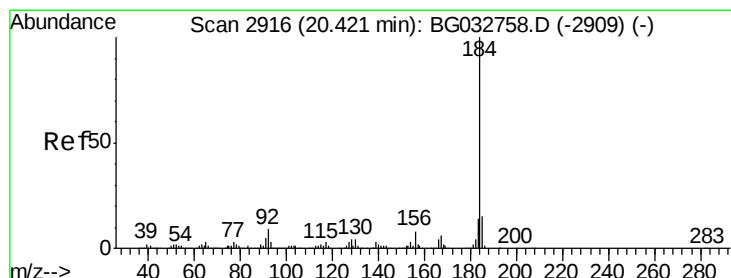
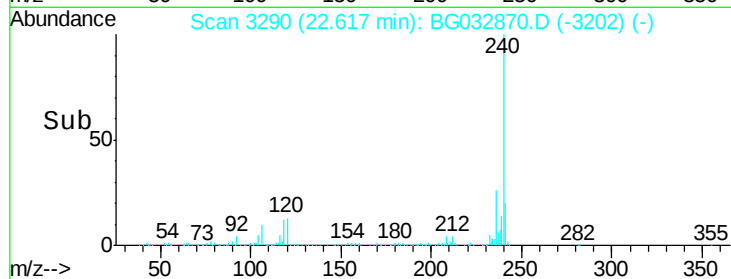
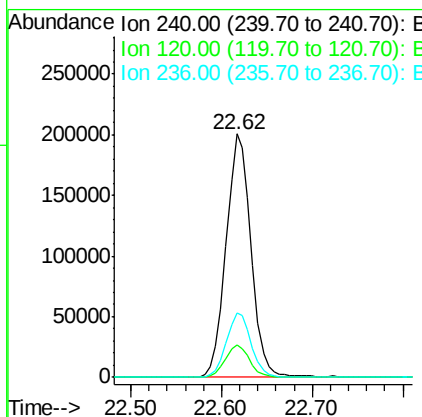
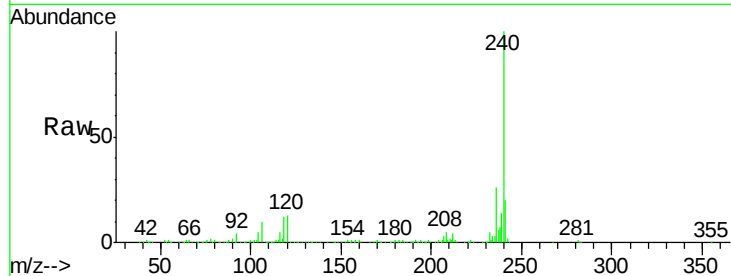




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.62 min Scan# 3290
 Delta R.T. -0.01 min
 Lab File: BG032870.D
 Acq: 28 Feb 2018 1:31

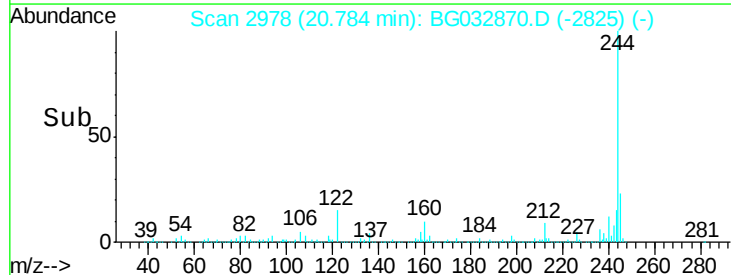
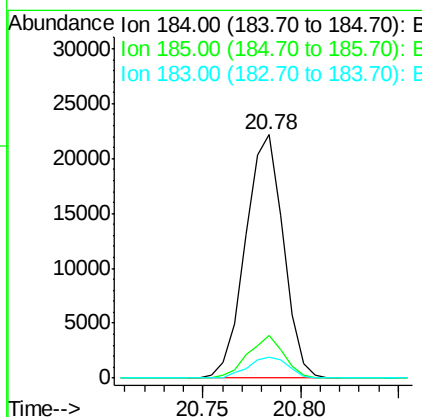
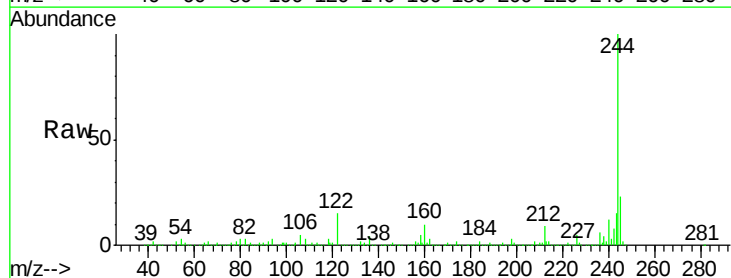
Instrument :
 BNA_G
 ClientSampled :

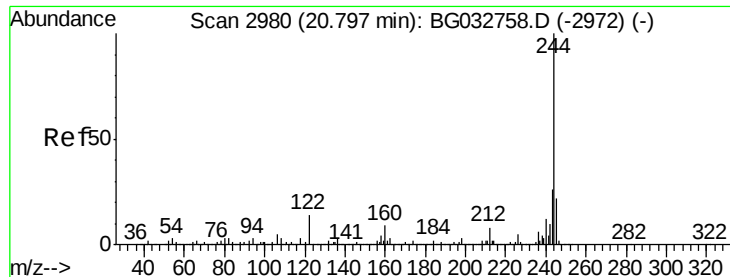
Tot Ion:240 Resp: 383414
 Ion Ratio Lower Upper
 240 100
 120 13.1 6.8 10.2#
 236 26.5 20.9 31.3



#76
 Benzidine
 Concen: 2.28 ng
 RT: 20.78 min Scan# 2978
 Delta R.T. 0.37 min
 Lab File: BG032870.D
 Acq: 28 Feb 2018 1:31

Tgt Ion:184 Resp: 29815
 Ion Ratio Lower Upper
 184 100
 185 17.3 11.1 16.7#
 183 8.7 10.6 16.0#





#78

Terphenyl-d14

Concen: 100.48 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032870.D

Acq: 28 Feb 2018 1:31

Instrument :

BNA_G

ClientSampleId :

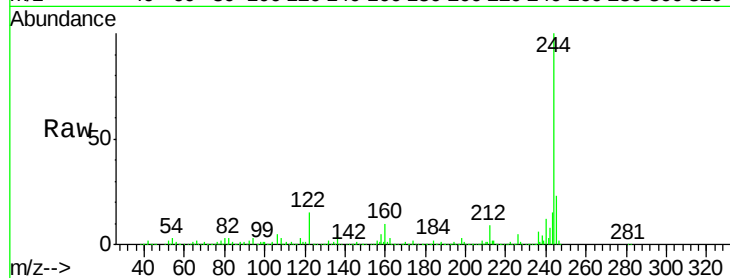
Tot Ion:244 Resp: 1714768

Ion Ratio Lower Upper

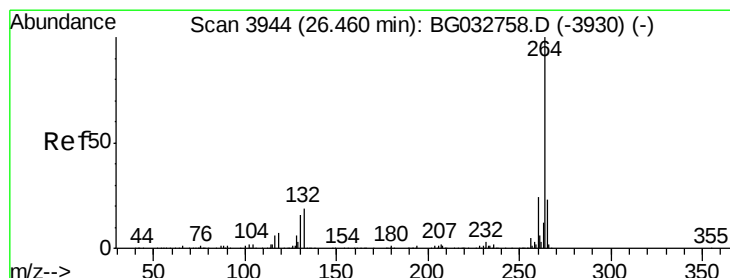
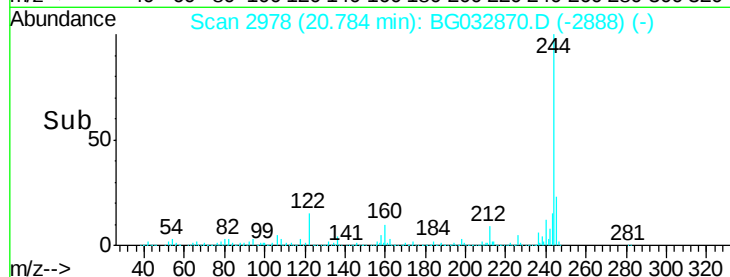
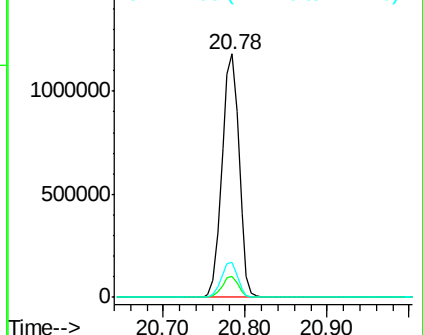
244 100

212 8.8 5.8 8.8#

122 14.6 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: 20.00 ng

RT: 26.43 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG032870.D

Acq: 28 Feb 2018 1:31

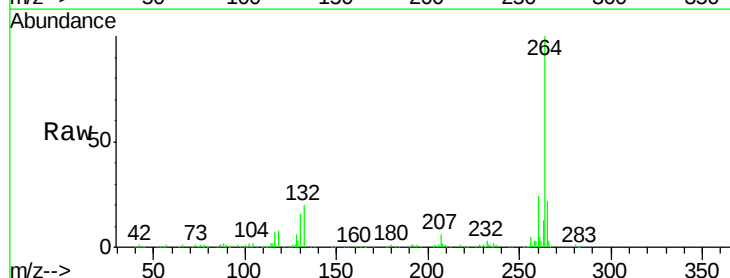
Tgt Ion:264 Resp: 391126

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 22.2 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

