

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022318\
 Data File : BG032791.D
 Acq On : 23 Feb 2018 15:48
 Operator : SJ/JU
 Sample : J1398-06
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 23 17:06:04 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 17:04:54 2018
 Response via : Initial Calibration

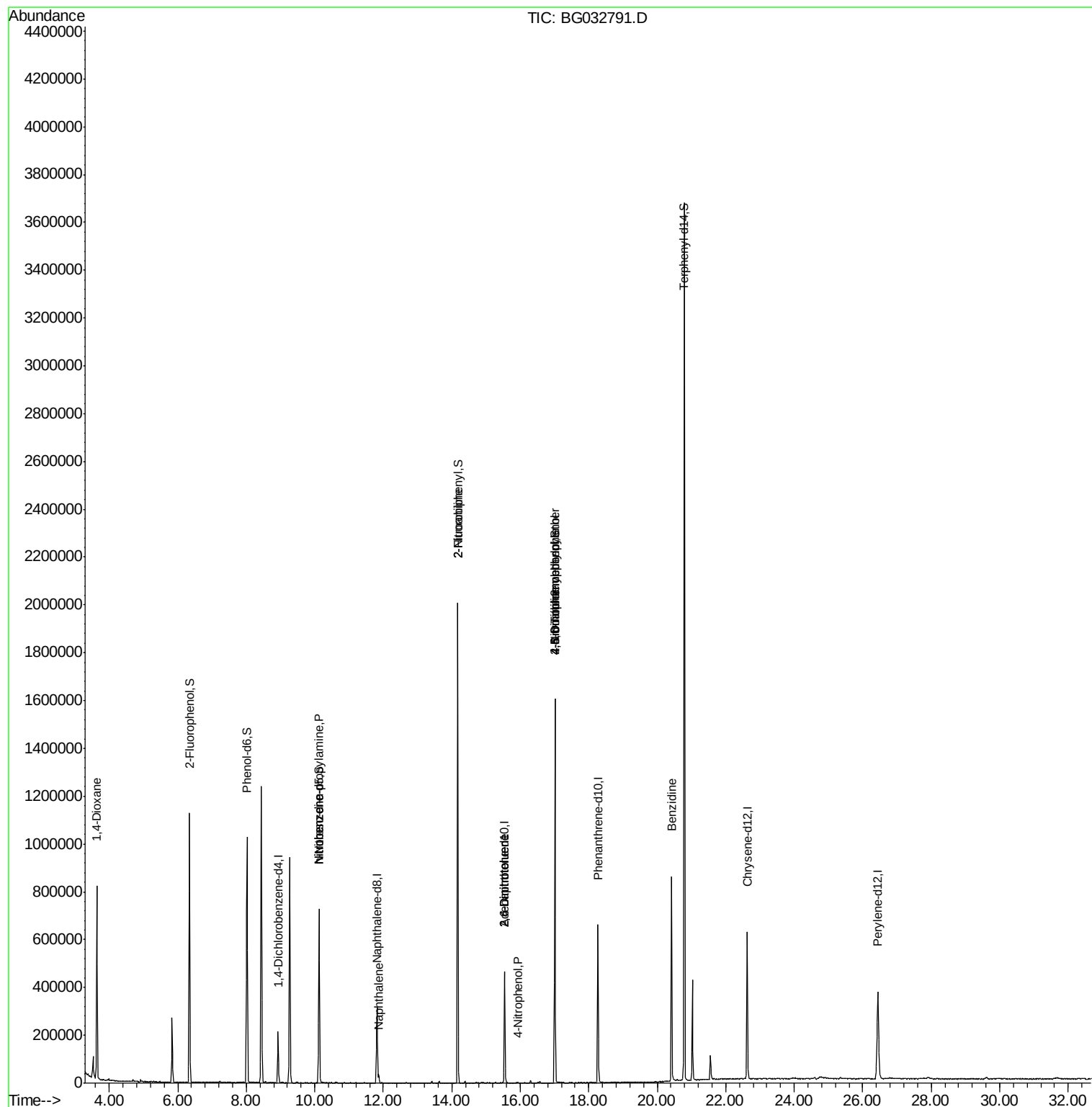
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	65028	20.00	ng	0.00
21) Naphthalene-d8	11.82	136	289448	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	163685	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	396741	20.00	ng	0.00
75) Chrysene-d12	22.63	240	398405	20.00	ng	0.00
86) Perylene-d12	26.44	264	429242	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	557301	137.11	ng	0.00
7) Phenol-d6	8.02	99	668367	117.97	ng	0.00
23) Nitrobenzene-d5	10.12	82	461764	107.71	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	285548	165.91	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1035911	91.28	ng	0.00
78) Terphenyl-d14	20.79	244	1647573	92.91	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.63	88	7754	4.396	ng	# 1
19) n-Nitroso-di-n-propylamine	10.12	70	59424	14.857	ng	# 79
24) Nitrobenzene	10.13	77	1298	6.624	ng	# 33
31) Naphthalene	11.87	128	32547	2.152	ng	# 98
47) 2-Nitroaniline	14.18	65	1794	10.365	ng	# 9
50) 2,6-Dinitrotoluene	15.54	165	21229	16.416	ng	# 21
55) 4-Nitrophenol	15.93	139	589	7.316	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	21229	14.614	ng	# 18
61) 4-Nitroaniline	17.02	138	55	5.316	ng	# 1
64) 4,6-Dinitro-2-methylphenol	17.00	198	789	5.793	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	20590	4.908	ng	# 1
76) Benzidine	20.42	184	500933	36.887	ng	# 98

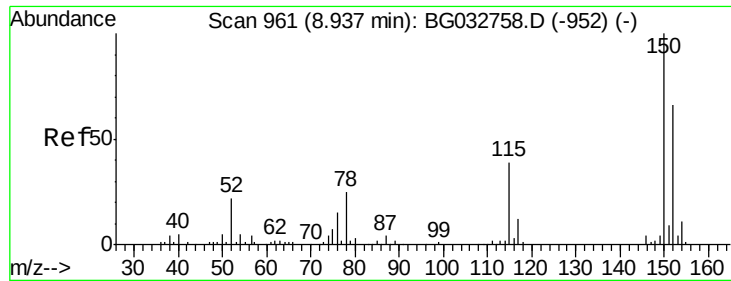
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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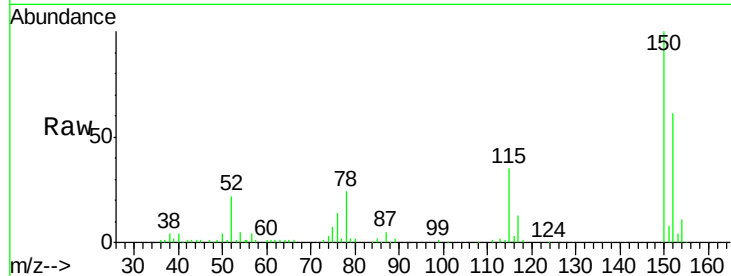


#1

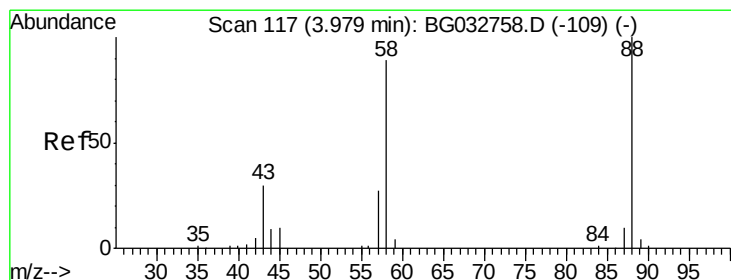
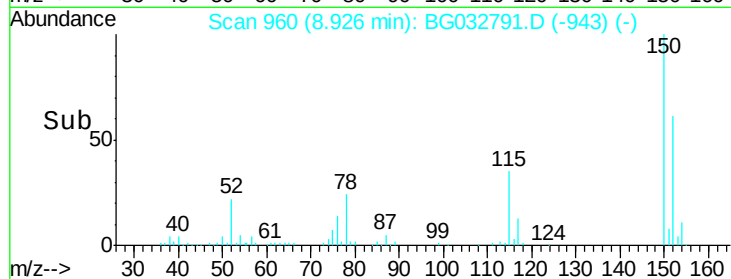
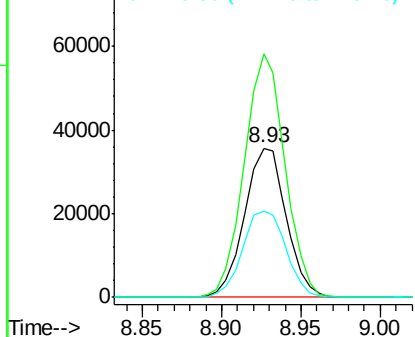
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.93 min Scan# 960
Delta R.T. 0.00 min
Lab File: BG032791.D
Acq: 23 Feb 2018 15:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 65028
Ion Ratio Lower Upper
152 100
150 162.9 126.6 189.8
115 57.5 53.0 79.4



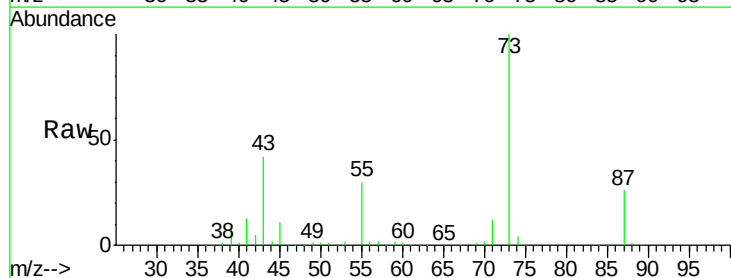
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



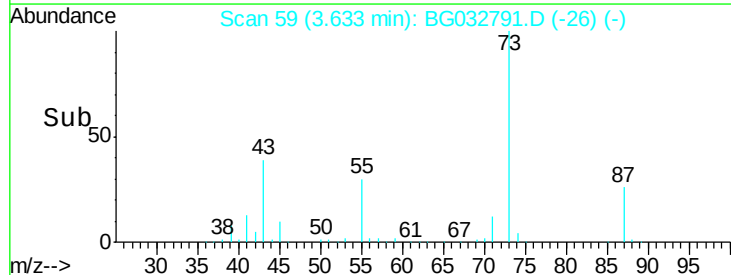
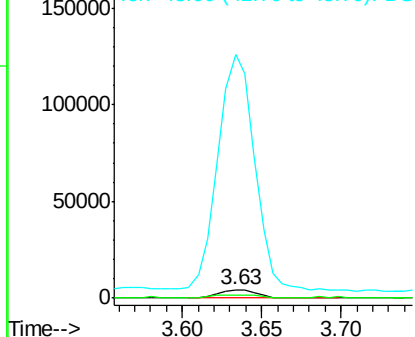
#2

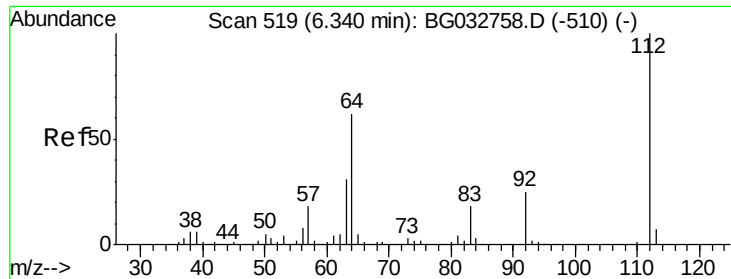
1,4-Dioxane
Concen: 4.396 ng
RT: 3.63 min Scan# 59
Delta R.T. -0.34 min
Lab File: BG032791.D
Acq: 23 Feb 2018 15:48

Tgt Ion: 88 Resp: 7754
Ion Ratio Lower Upper
88 100
58 33.6 79.6 119.4#
43 2571.6 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: 137.110 ng

RT: 6.34 min Scan# 520

Delta R.T. 0.01 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

Instrument :

BNA_G

ClientSampleId :

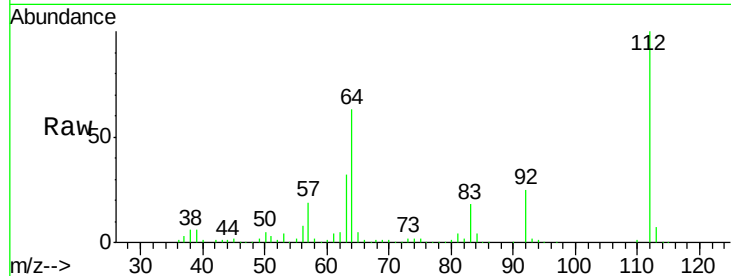
Tot Ion:112 Resp: 557301

Ion Ratio Lower Upper

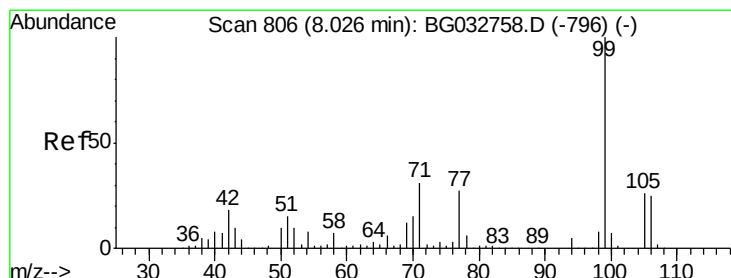
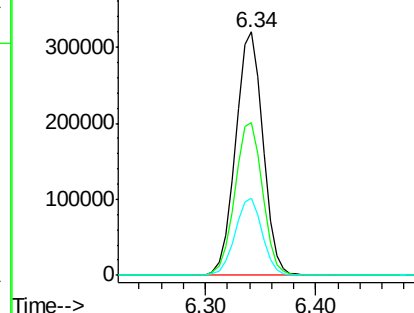
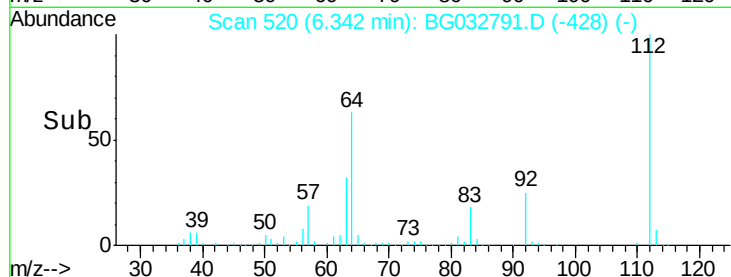
112 100

64 62.8 56.3 84.5

63 31.8 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: 117.971 ng

RT: 8.02 min Scan# 806

Delta R.T. 0.00 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

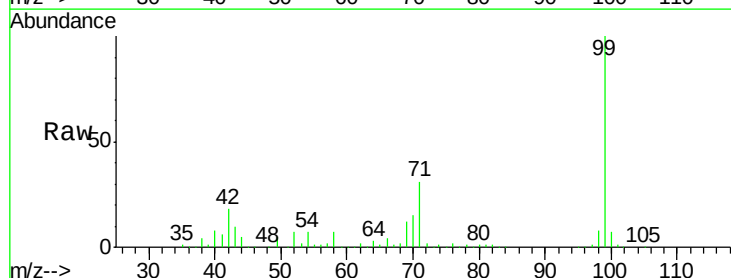
Tgt Ion: 99 Resp: 668367

Ion Ratio Lower Upper

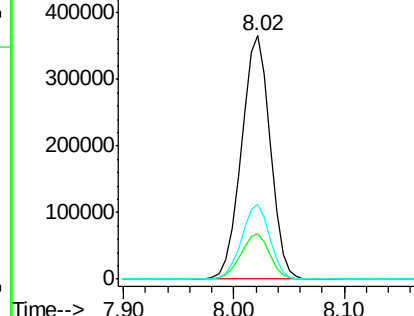
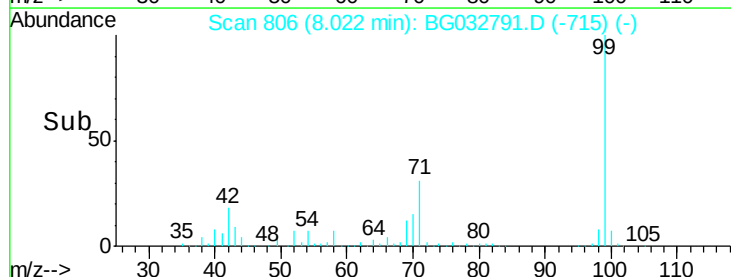
99 100

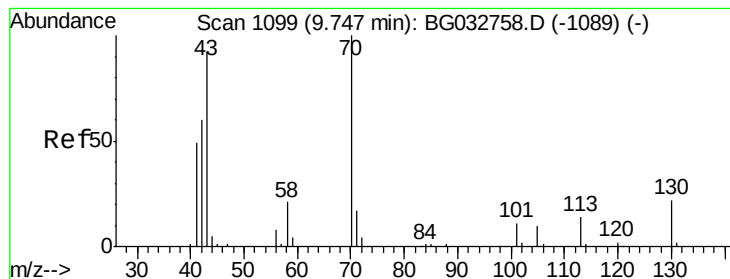
42 18.5 14.1 21.1

71 30.8 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: 14.857 ng

RT: 10.12 min Scan# 1164

Delta R.T. 0.38 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 59424

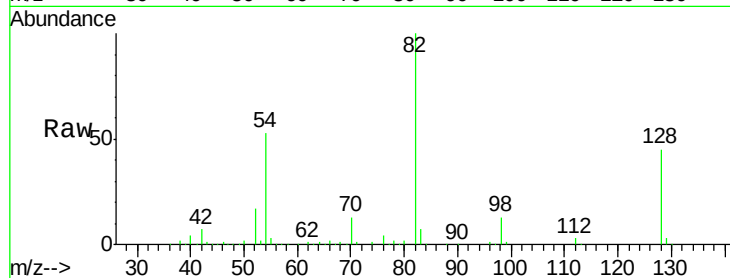
Ion Ratio Lower Upper

70 100

42 49.2 49.1 73.7

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

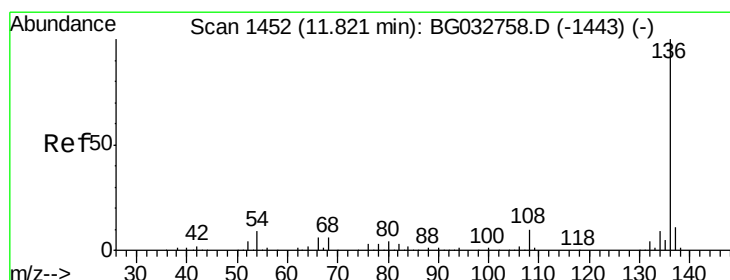
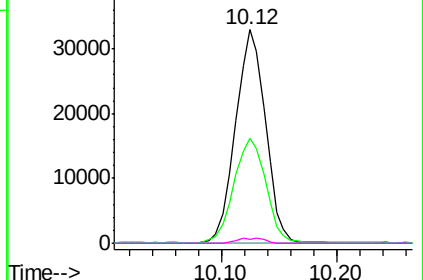
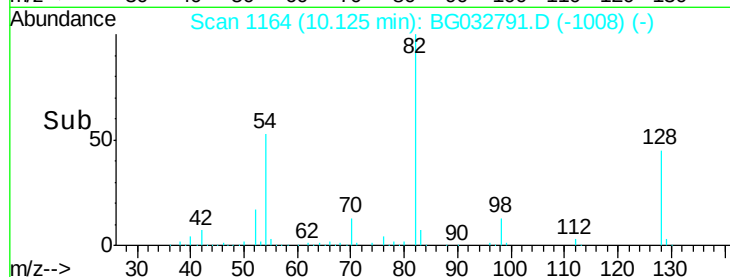


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.82 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

Tgt Ion:136 Resp: 289448

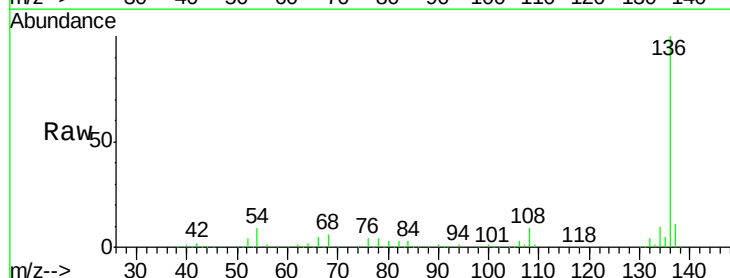
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 8.8 10.3 15.5#

68 6.3 4.5 6.7

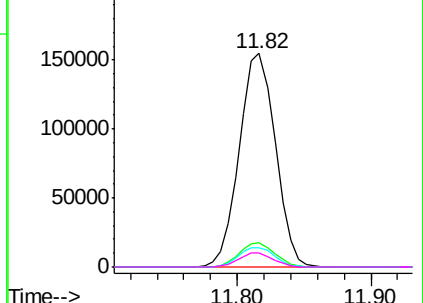
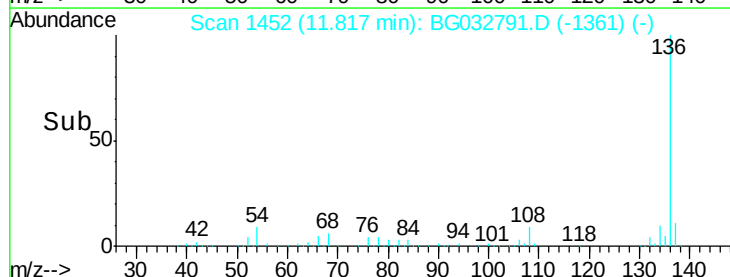


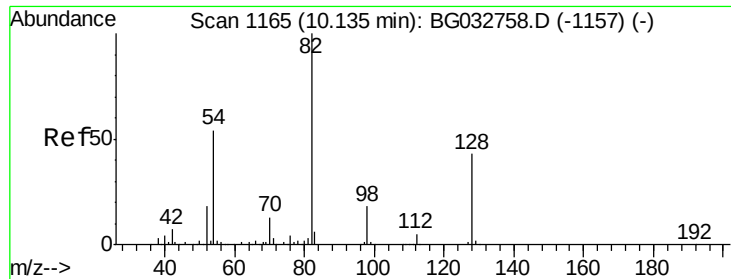
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

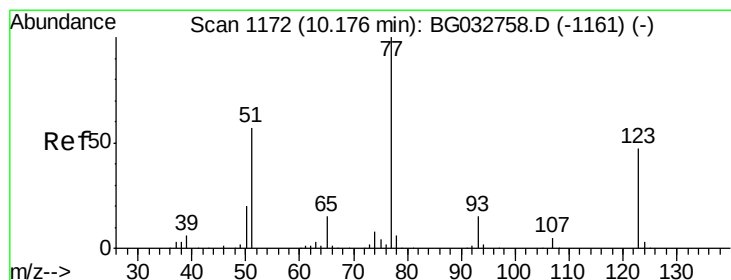
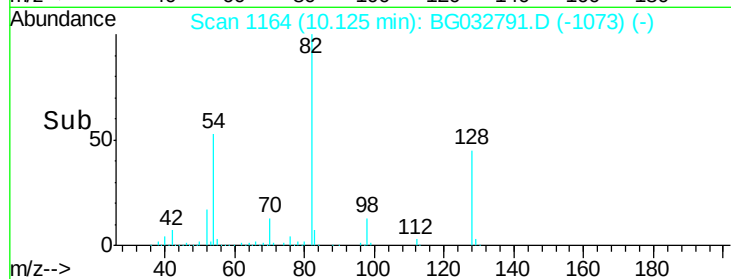
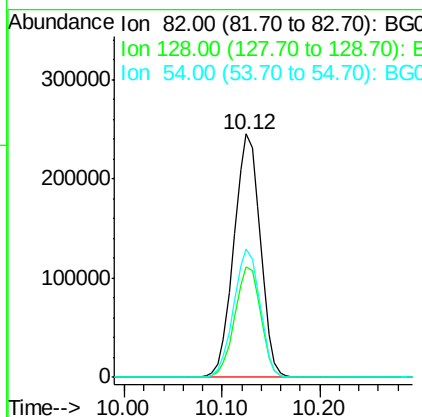
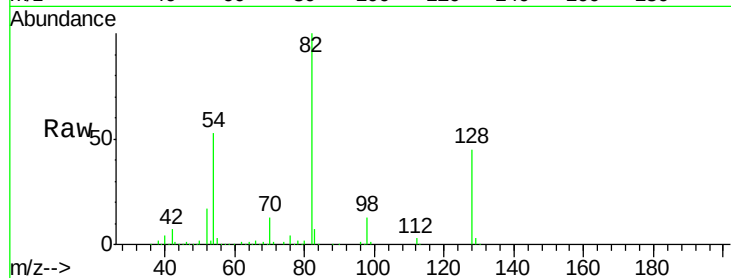




#23
 Nitrobenzene-d5
 Concen: 107.710 ng
 RT: 10.12 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BG032791.D
 Acq: 23 Feb 2018 15:48

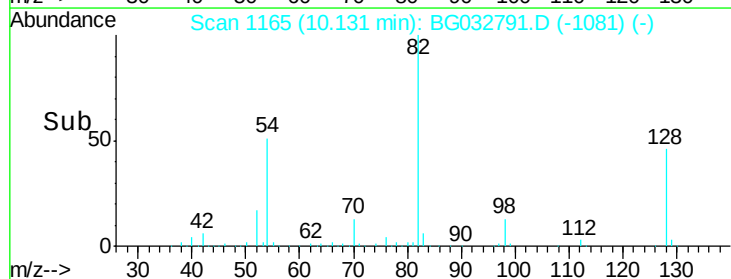
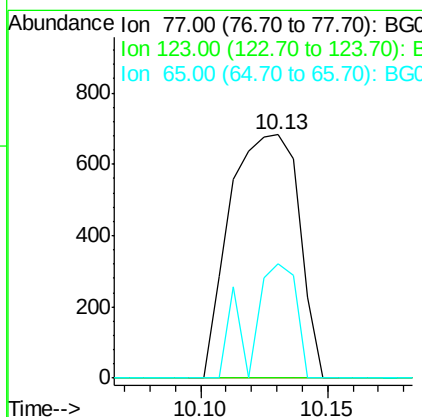
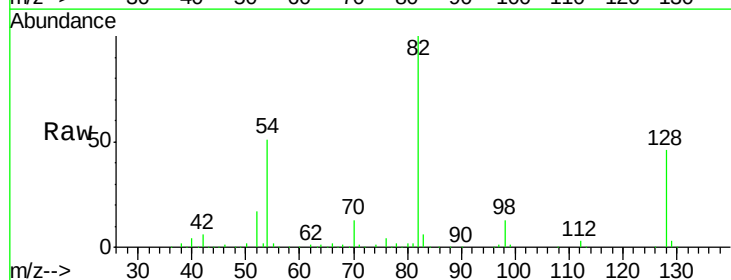
Instrument :
 BNA_G
 ClientSampled :

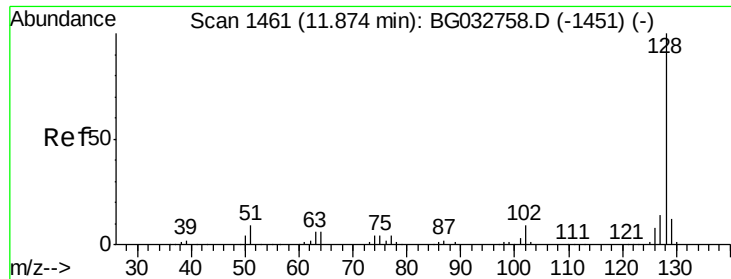
Tot Ion: 82 Resp: 461764
 Ion Ratio Lower Upper
 82 100
 128 45.4 29.7 44.5#
 54 52.6 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.624 ng
 RT: 10.13 min Scan# 1165
 Delta R.T. -0.04 min
 Lab File: BG032791.D
 Acq: 23 Feb 2018 15:48

Tgt Ion: 77 Resp: 1298
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 46.9 13.0 19.6#

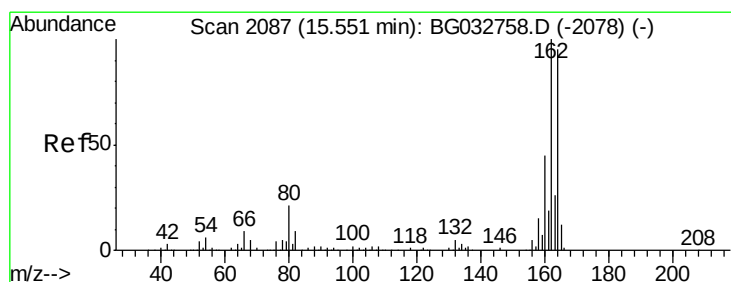
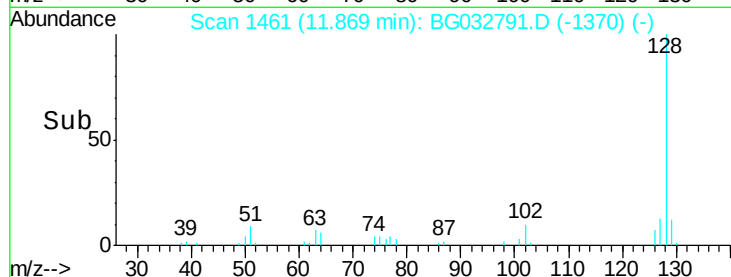
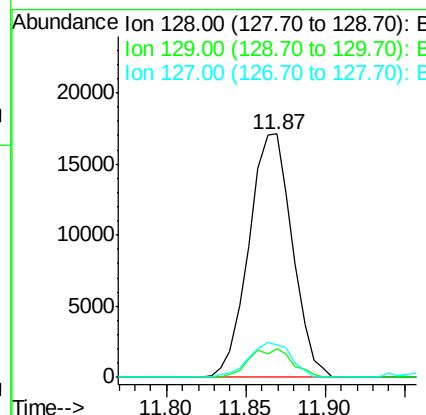
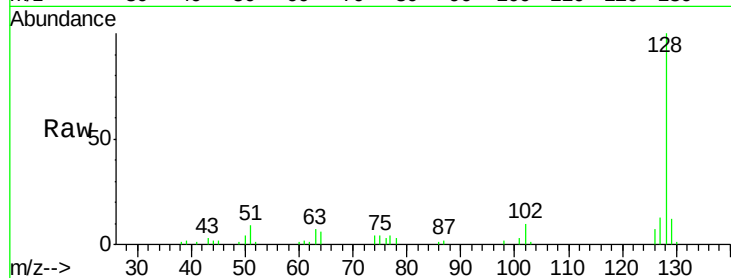




#31
Naphthalene
Concen: 2.152 ng
RT: 11.87 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BG032791.D
Acq: 23 Feb 2018 15:48

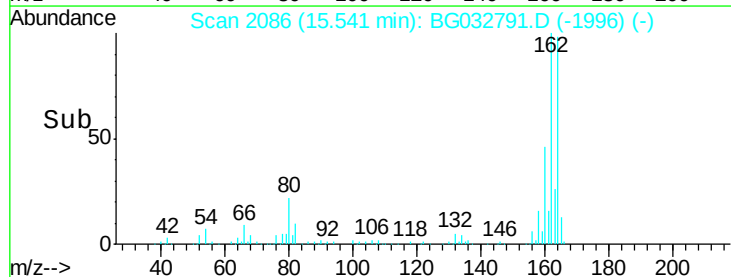
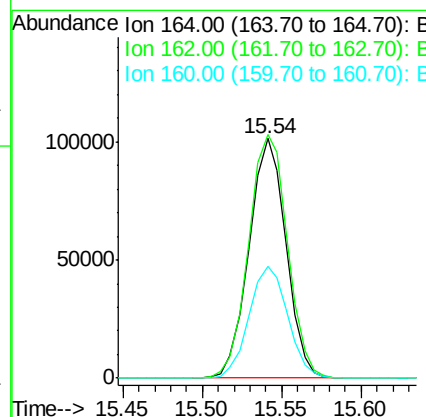
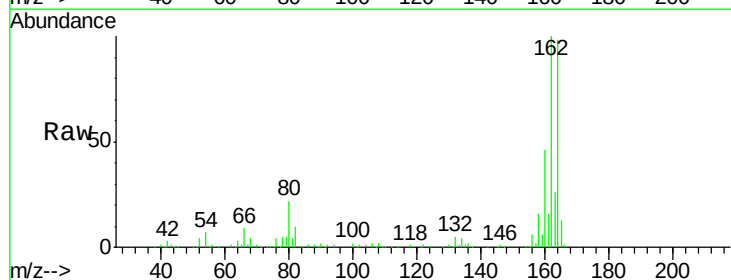
Instrument :
BNA_G
ClientSampleId :

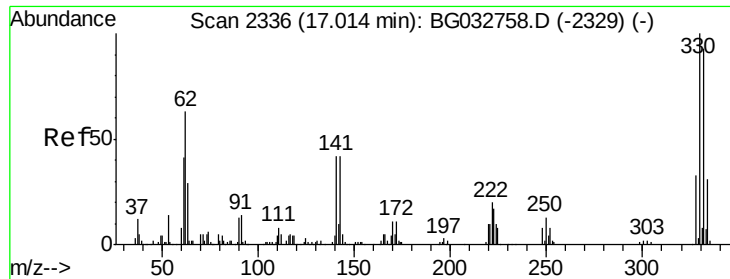
Tot Ion:128 Resp: 32547
Ion Ratio Lower Upper
128 100
129 11.5 8.6 12.8
127 13.4 11.6 17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.54 min Scan# 2086
Delta R.T. -0.00 min
Lab File: BG032791.D
Acq: 23 Feb 2018 15:48

Tgt Ion:164 Resp: 163685
Ion Ratio Lower Upper
164 100
162 101.7 78.8 118.2
160 46.8 35.4 53.0

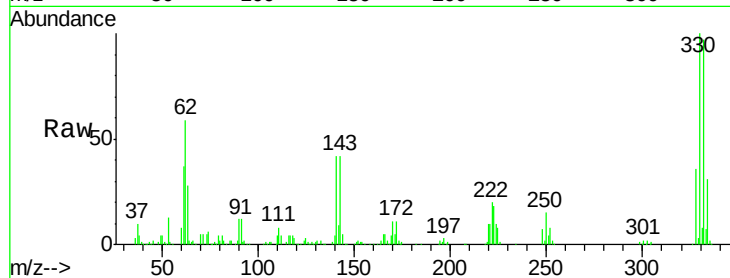




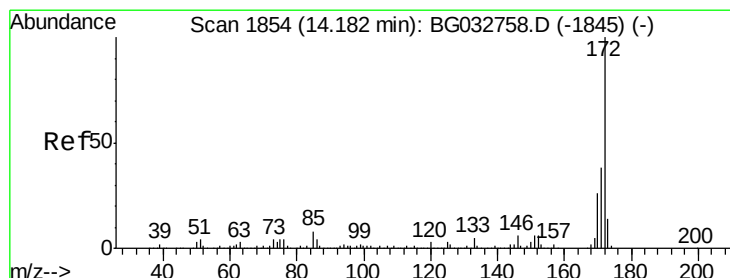
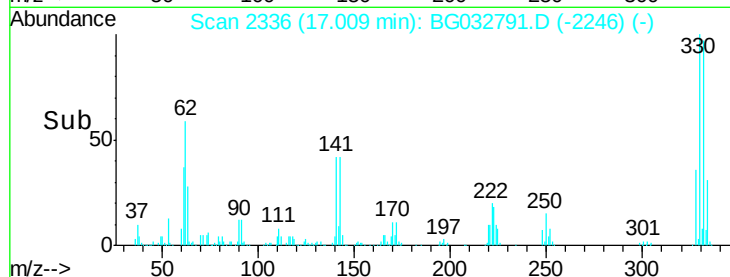
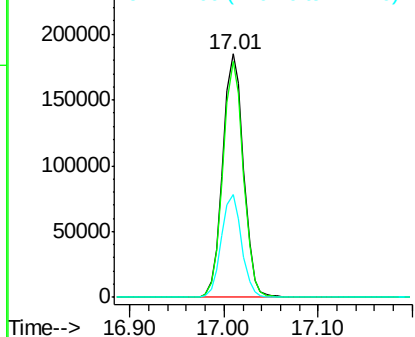
#41
 2,4,6-Tribromophenol
 Concen: 165.911 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: BG032791.D
 Acq: 23 Feb 2018 15:48

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 285548
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 41.2 25.2 37.8#

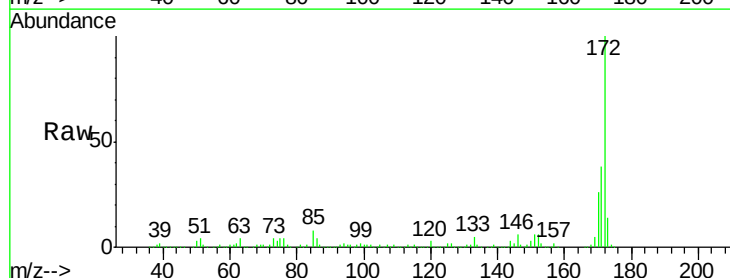


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

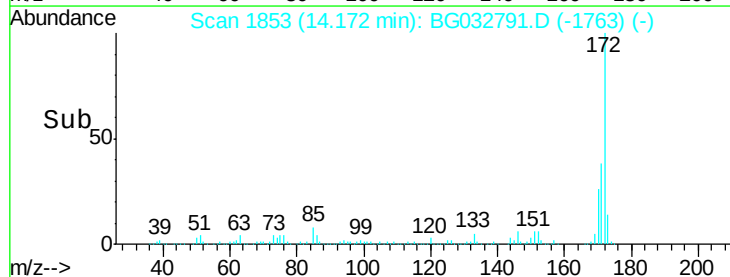
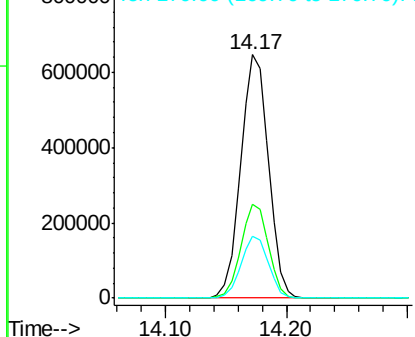


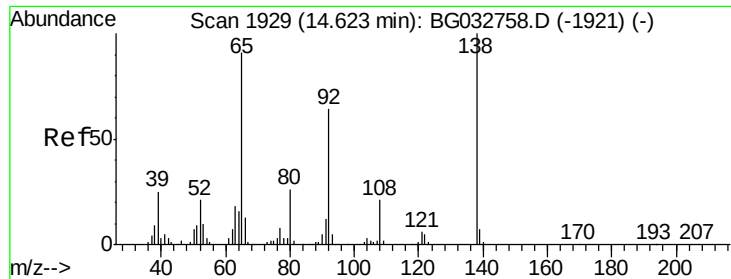
#44
 2-Fluorobiphenyl
 Concen: 91.276 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BG032791.D
 Acq: 23 Feb 2018 15:48

Tgt Ion:172 Resp: 1035911
 Ion Ratio Lower Upper
 172 100
 171 38.5 30.0 45.0
 170 25.6 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

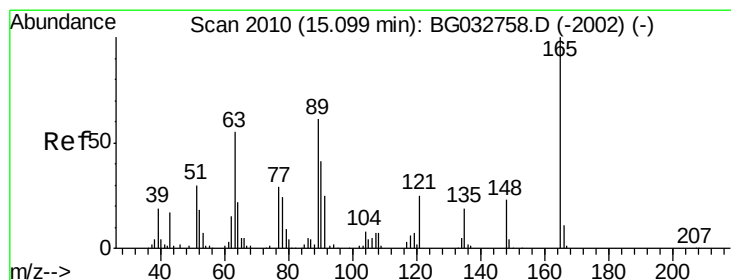
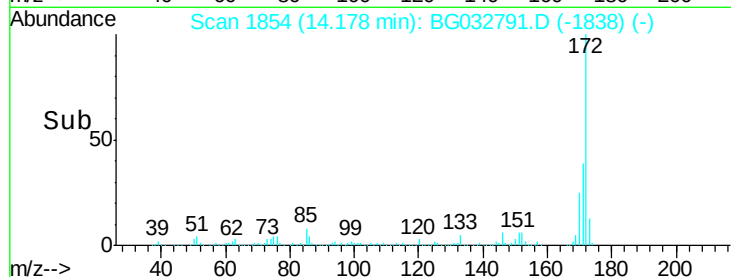
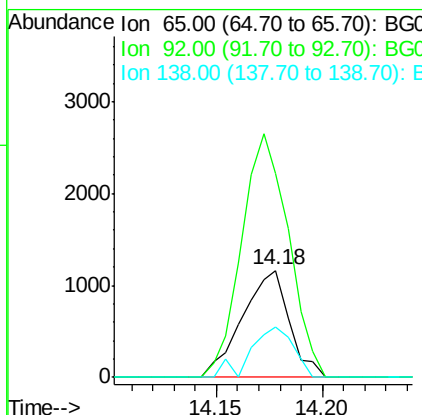
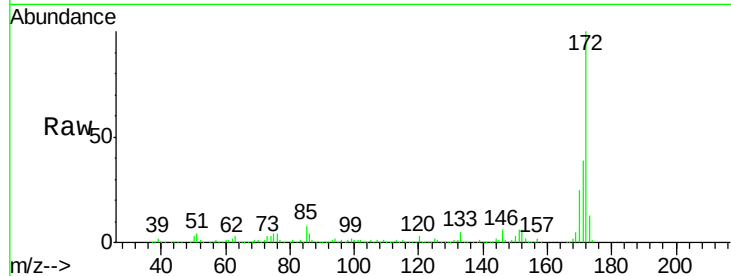




#47
 2-Nitroaniline
 Concen: 10.365 ng
 RT: 14.18 min Scan# 1854
 Delta R.T. -0.44 min
 Lab File: BG032791.D
 Acq: 23 Feb 2018 15:48

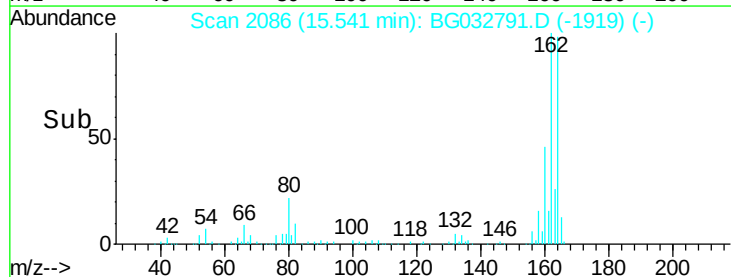
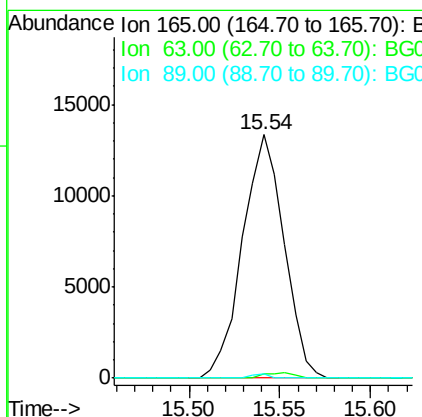
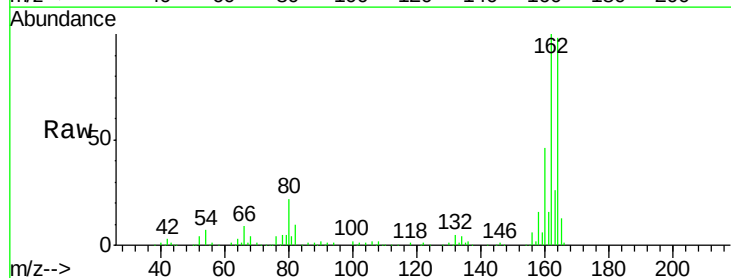
Instrument :
 BNA_G
 ClientSampleId :

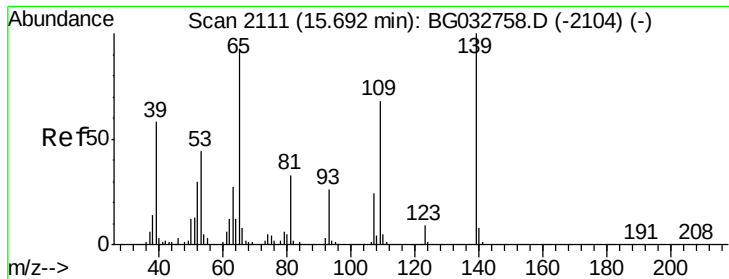
Tot Ion: 65 Resp: 1794
 Ion Ratio Lower Upper
 65 100
 92 190.4 54.6 82.0#
 138 47.1 72.9 109.3#



#50
 2,6-Dinitrotoluene
 Concen: 16.416 ng
 RT: 15.54 min Scan# 2086
 Delta R.T. 0.45 min
 Lab File: BG032791.D
 Acq: 23 Feb 2018 15:48

Tgt Ion:165 Resp: 21229
 Ion Ratio Lower Upper
 165 100
 63 1.8 52.7 79.1#
 89 1.9 49.2 73.8#





#55

4-Nitrophenol

Concen: 7.316 ng

RT: 15.93 min Scan# 2152

Delta R.T. 0.24 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

Instrument :

BNA_G

ClientSampleId :

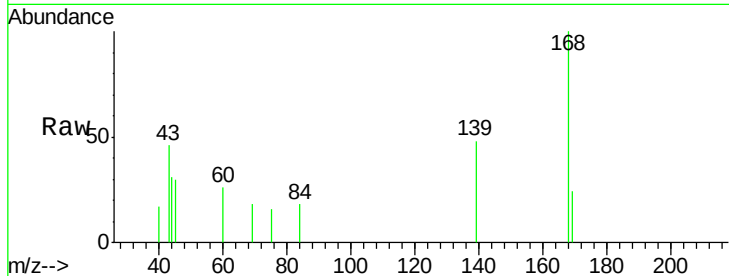
Tot Ion:139 Resp: 589

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

15.93

400

300

200

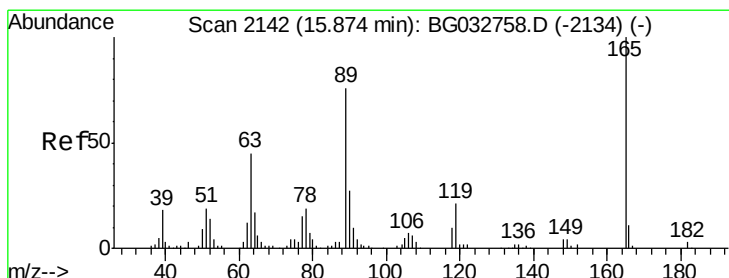
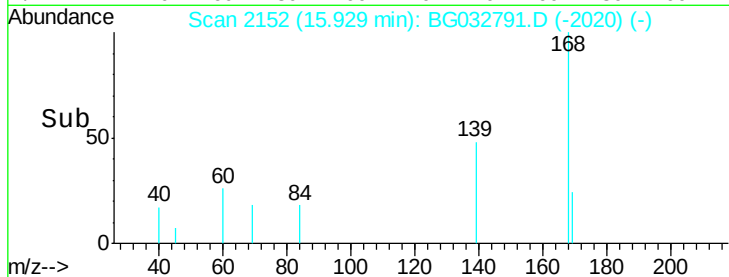
100

0

15.90

15.95

Time-->



#56

2,4-Dinitrotoluene

Concen: 14.614 ng

RT: 15.54 min Scan# 2086

Delta R.T. -0.33 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

Tgt Ion:165 Resp: 21229

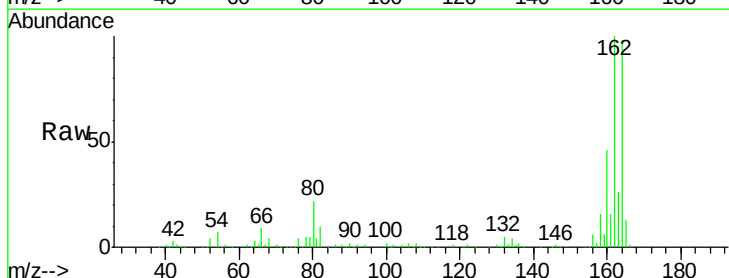
Ion Ratio Lower Upper

165 100

63 1.8 42.0 63.0#

89 1.9 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

15.54

20000

15000

10000

5000

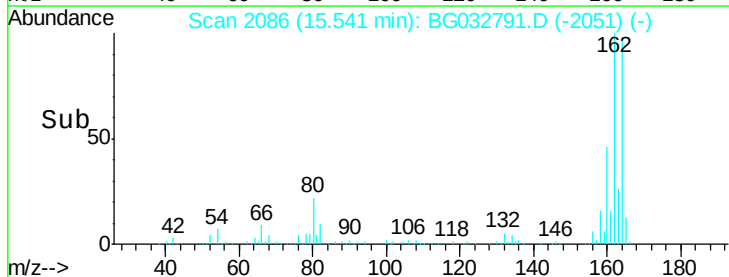
0

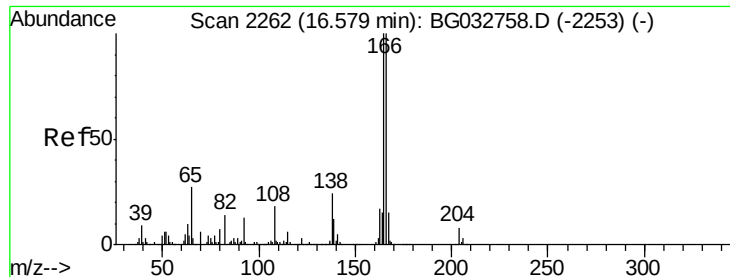
15.50

15.55

15.60

Time-->

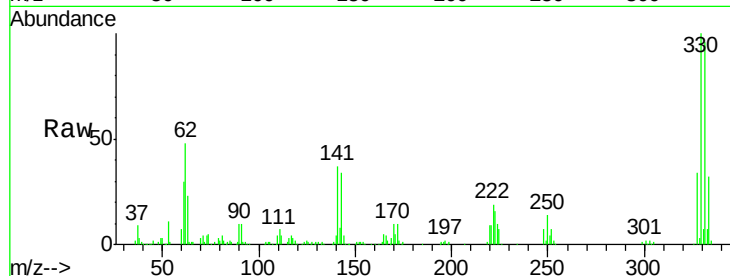




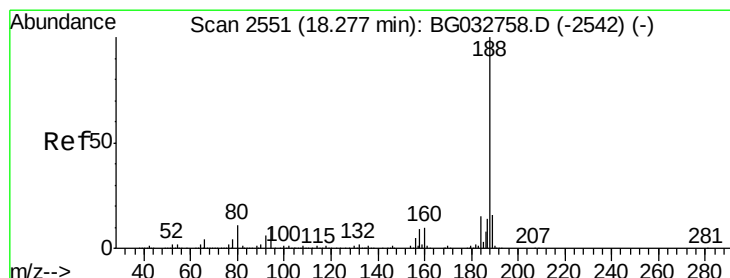
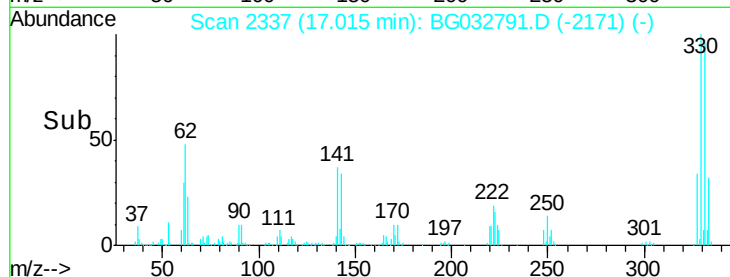
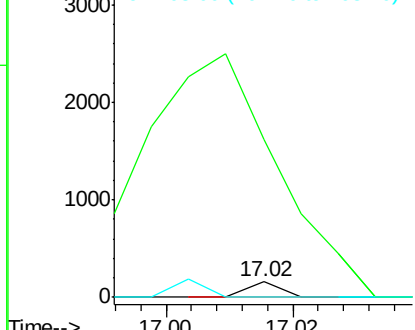
#61
4-Nitroaniline
Concen: 5.316 ng
RT: 17.02 min Scan# 2337
Delta R.T. 0.44 min
Lab File: BG032791.D
Acq: 23 Feb 2018 15:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:138 Resp: 55
Ion Ratio Lower Upper
138 100
92 1039.1 40.1 80.1#
108 0.0 65.4 105.4#

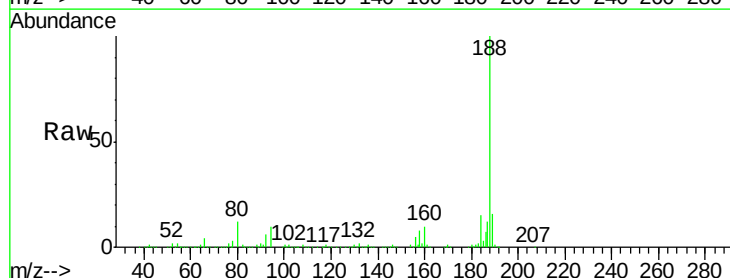


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

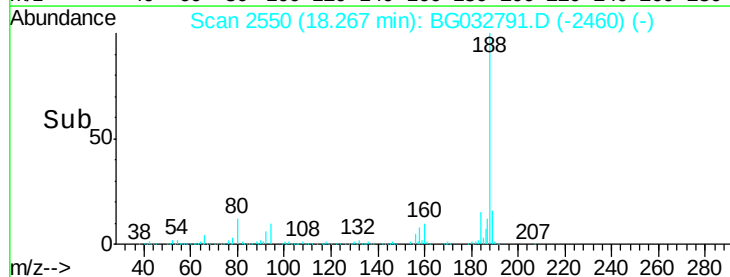
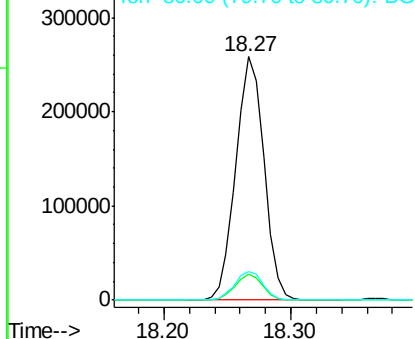


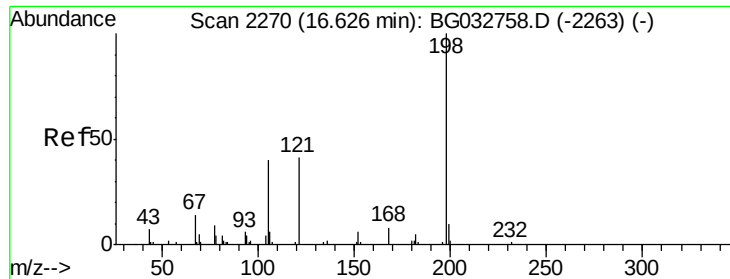
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.27 min Scan# 2550
Delta R.T. -0.00 min
Lab File: BG032791.D
Acq: 23 Feb 2018 15:48

Tgt Ion:188 Resp: 396741
Ion Ratio Lower Upper
188 100
94 10.4 6.9 10.3#
80 11.9 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: 5.793 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

Instrument :

BNA_G

ClientSampleId :

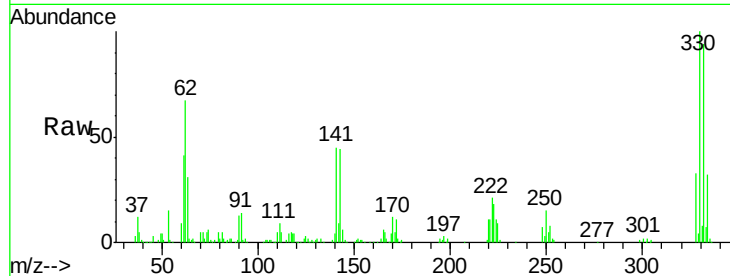
Tot Ion:198 Resp: 789

Ion Ratio Lower Upper

198 100

51 158.9 30.6 70.6#

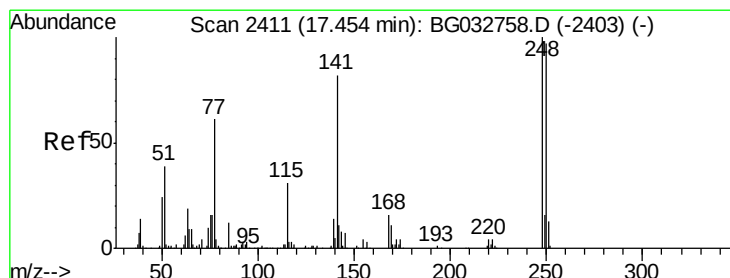
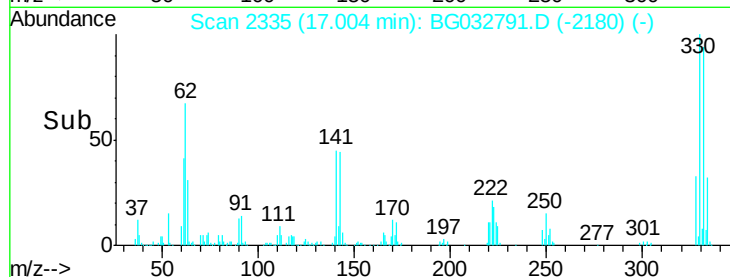
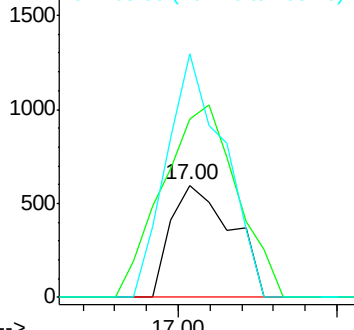
105 217.4 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.908 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.43 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

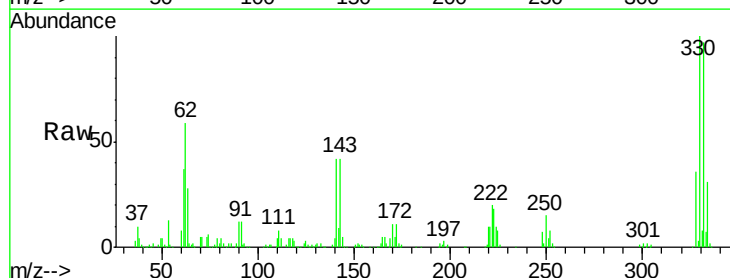
Tgt Ion:248 Resp: 20590

Ion Ratio Lower Upper

248 100

250 205.6 77.1 115.7#

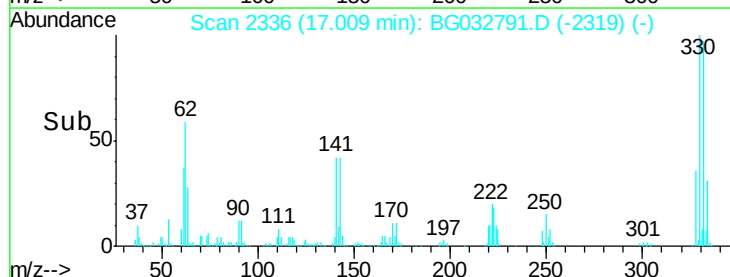
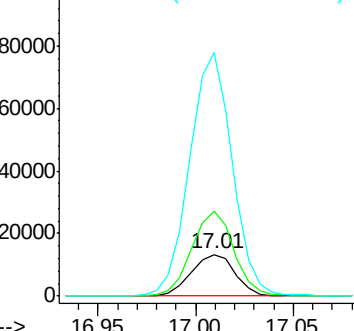
141 588.8 50.8 76.2#

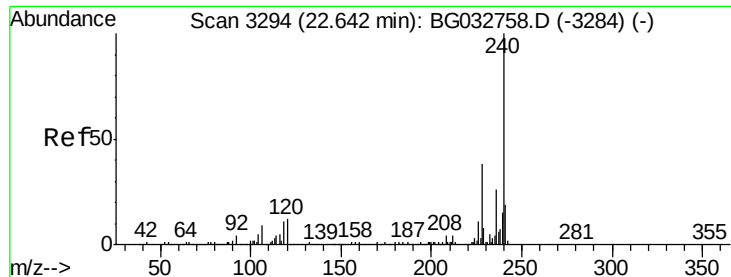


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.63 min Scan# 3292

Delta R.T. -0.00 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

Instrument :

BNA_G

ClientSampleId :

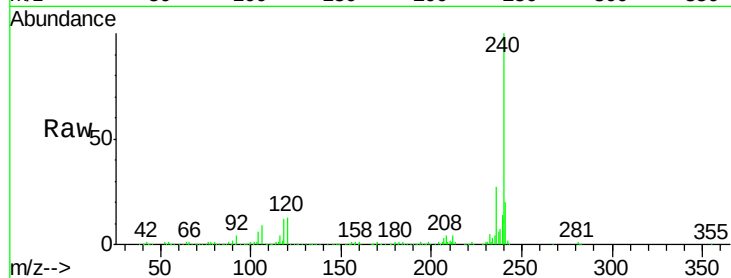
Tot Ion:240 Resp: 398405

Ion Ratio Lower Upper

240 100

120 12.6 6.8 10.2#

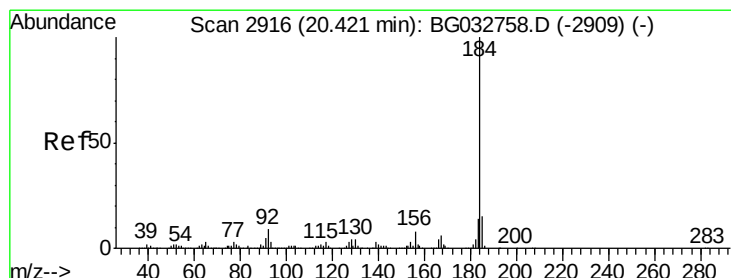
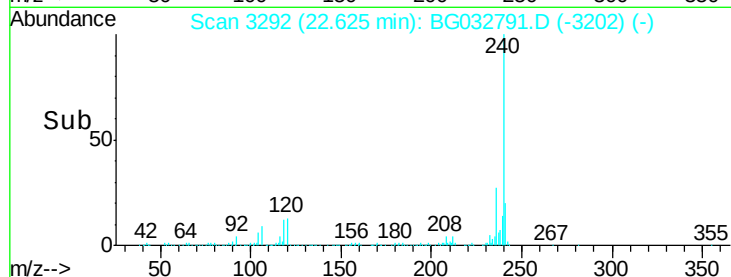
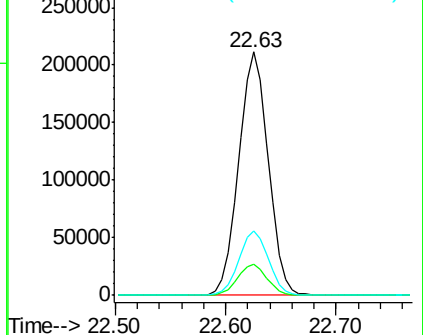
236 26.7 20.9 31.3



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: 36.887 ng

RT: 20.42 min Scan# 2916

Delta R.T. 0.00 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

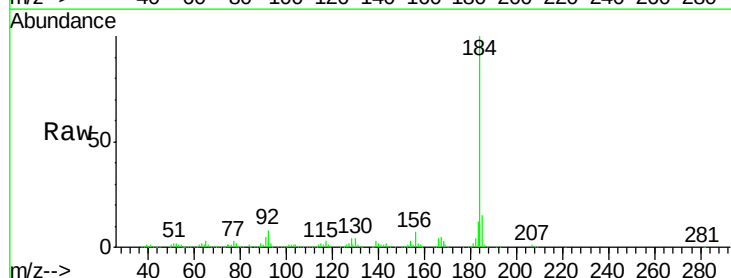
Tgt Ion:184 Resp: 500933

Ion Ratio Lower Upper

184 100

185 14.9 11.1 16.7

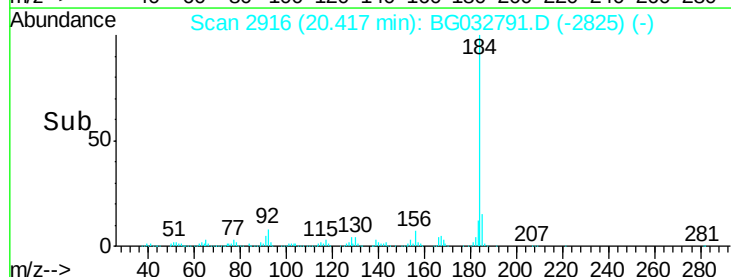
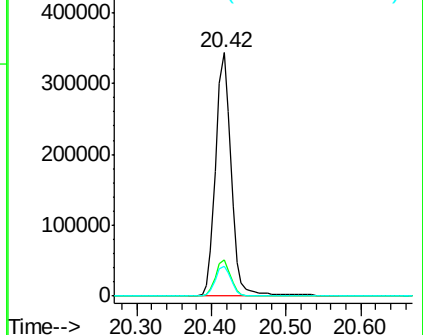
183 12.5 10.6 16.0

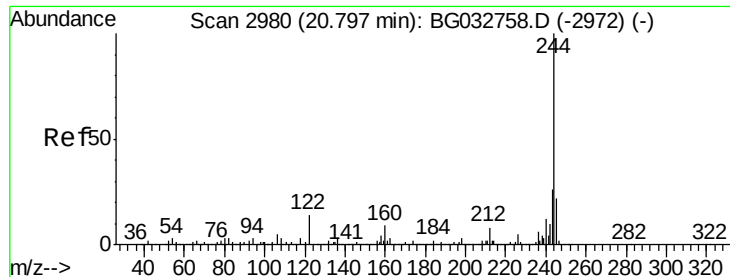


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.912 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

Instrument :

BNA_G

ClientSampleId :

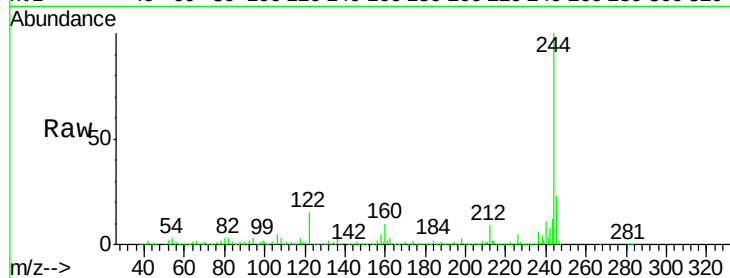
Tot Ion:244 Resp: 1647573

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

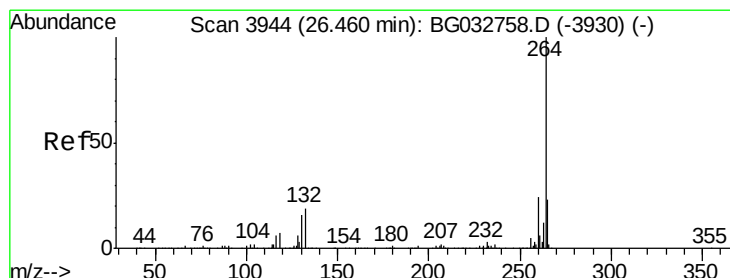
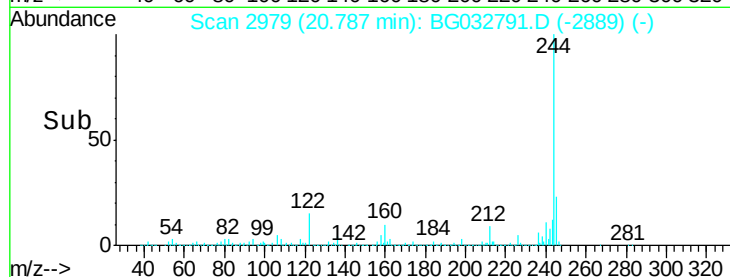
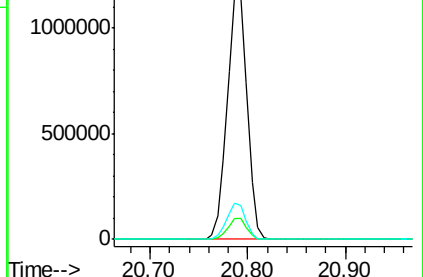
122 15.1 7.0 10.4#



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: 26.44 min Scan# 3941

Delta R.T. -0.01 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

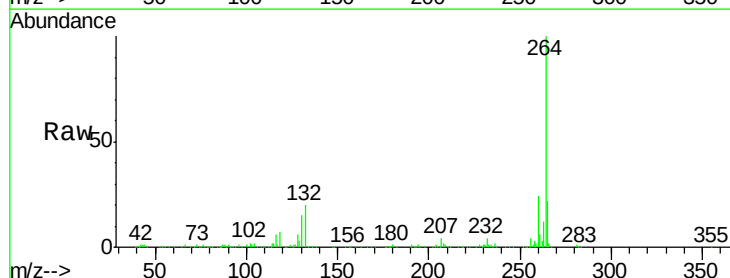
Tgt Ion:264 Resp: 429242

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

265 21.6 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

