

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\
 Data File : BG032892.D
 Acq On : 28 Feb 2018 17:57
 Operator : SJ/JU
 Sample : J1403-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 01:26:10 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

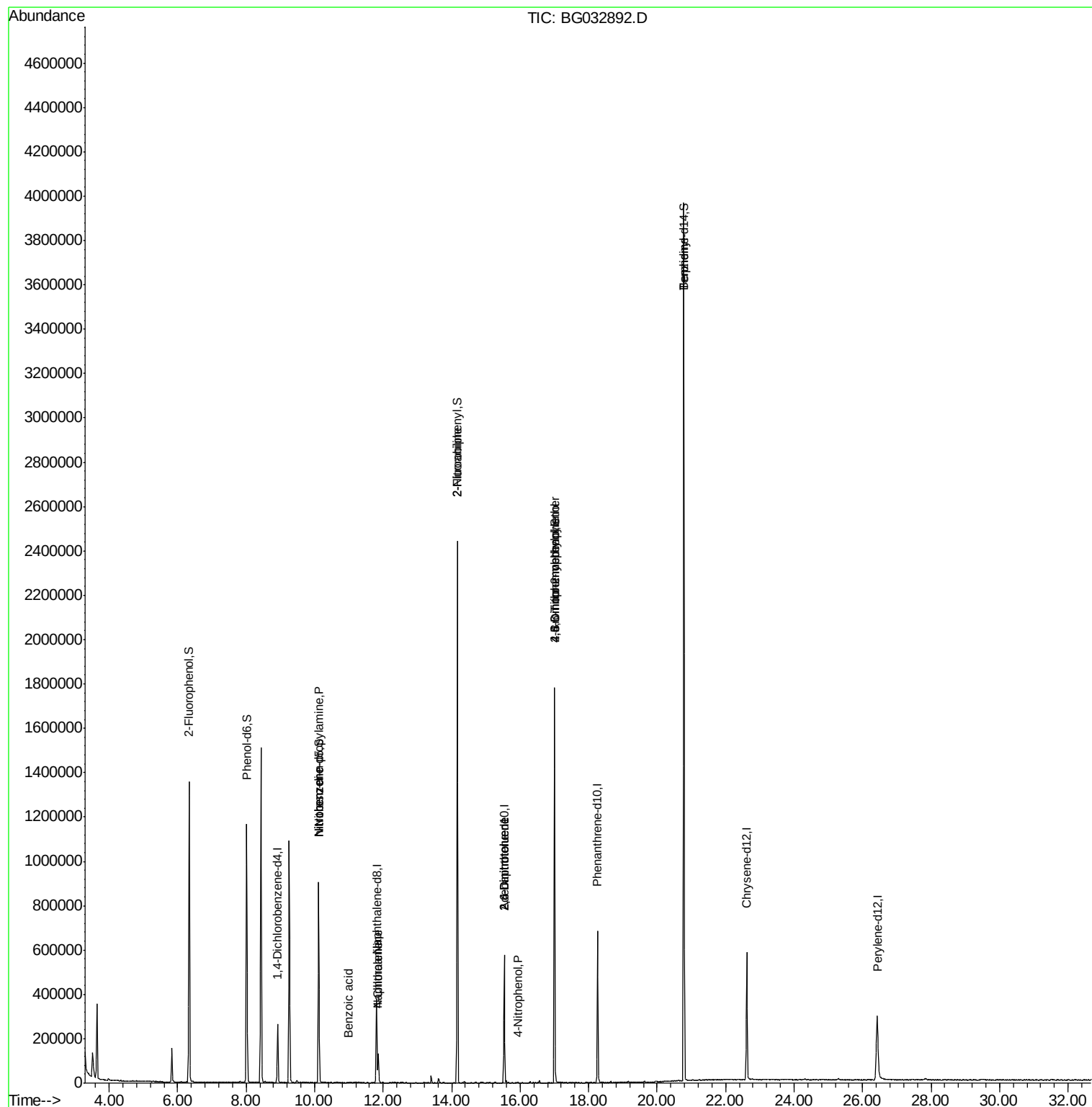
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	79718	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	347140	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	194714	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	427198	20.00	ng	0.00
75) Chrysene-d12	22.62	240	387641	20.00	ng	-0.01
86) Perylene-d12	26.42	264	393877	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	663599	133.18	ng	0.00
7) Phenol-d6	8.01	99	763363	109.91	ng	0.00
23) Nitrobenzene-d5	10.12	82	582491	112.78	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	312169	152.47	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1216528	90.11	ng	0.00
78) Terphenyl-d14	20.78	244	1712960	99.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	75973	15.494	ng	# 80
24) Nitrobenzene	10.12	77	2076	6.705	ng	# 46
31) Naphthalene	11.86	128	120976	6.669	ng	# 99
32) Benzoic acid	10.99	122	179	5.881	ng	# 27
33) 4-Chloroaniline	11.86	127	16768	2.067	ng	# 35
47) 2-Nitroaniline	14.16	65	2427	10.438	ng	# 2
50) 2,6-Dinitrotoluene	15.53	165	25913	16.612	ng	# 21
55) 4-Nitrophenol	15.93	139	1513	7.590	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	25913	14.811	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.00	198	1162	6.102	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	22514	4.984	ng	# 1
76) Benzidine	20.78	184	30186	2.284	ng	# 94

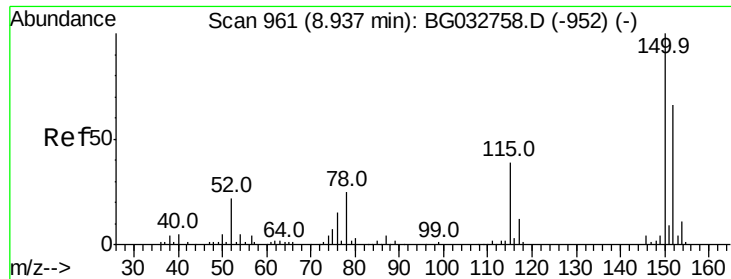
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\
Data File : BG032892.D
Acq On : 28 Feb 2018 17:57
Operator : SJ/JU
Sample : J1403-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Mar 01 01:26:10 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



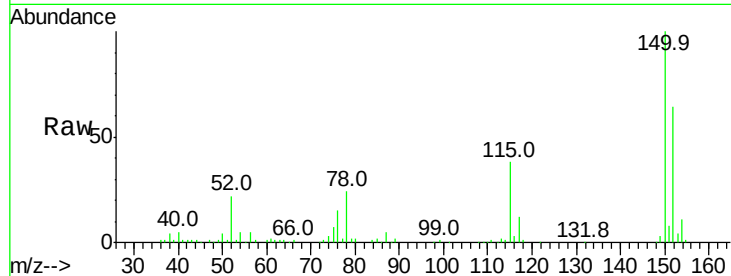


#1

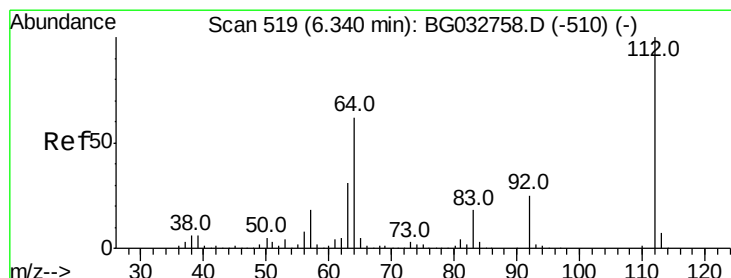
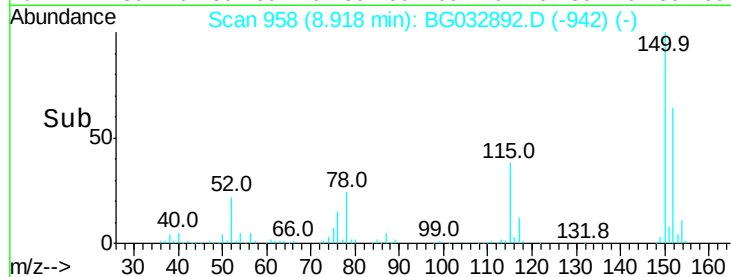
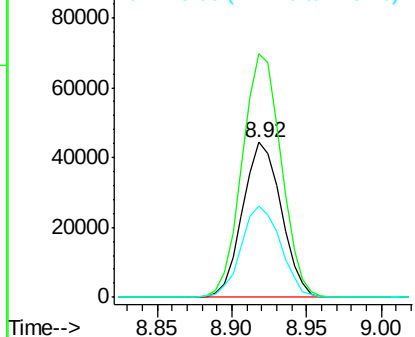
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032892.D
Acq: 28 Feb 2018 17:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 79718
Ion Ratio Lower Upper
152 100
150 157.2 126.6 189.8
115 59.2 53.0 79.4



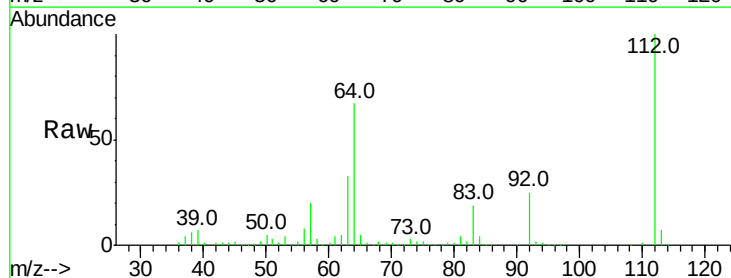
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



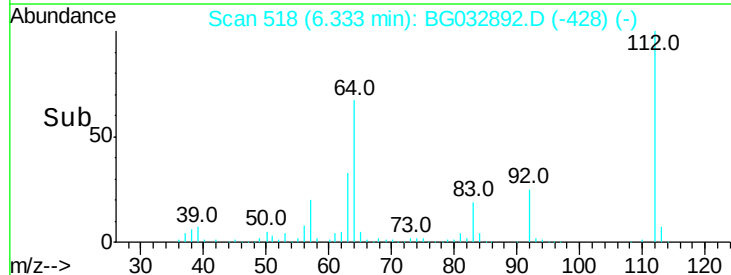
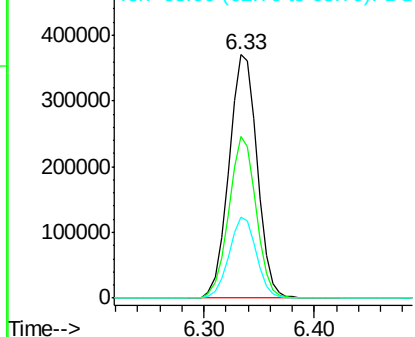
#5

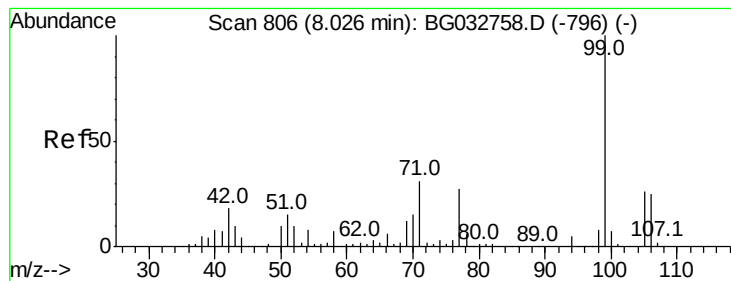
2-Fluorophenol
Concen: 133.177 ng
RT: 6.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: BG032892.D
Acq: 28 Feb 2018 17:57

Tgt Ion:112 Resp: 663599
Ion Ratio Lower Upper
112 100
64 66.6 56.3 84.5
63 33.1 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: 109.910 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032892.D

Acq: 28 Feb 2018 17:57

Instrument :

BNA_G

ClientSampled :

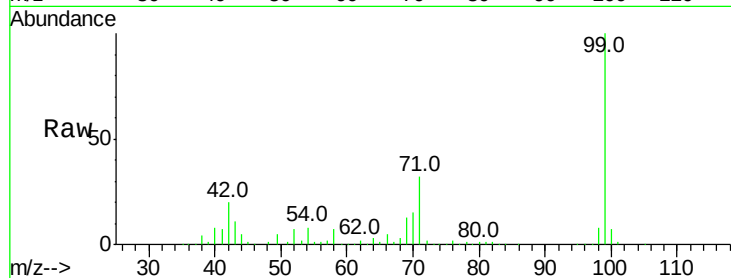
Tot Ion: 99 Resp: 763363

Ion Ratio Lower Upper

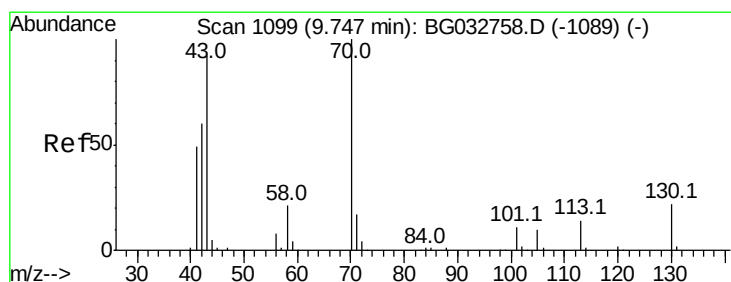
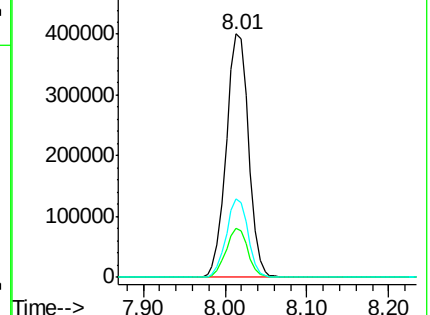
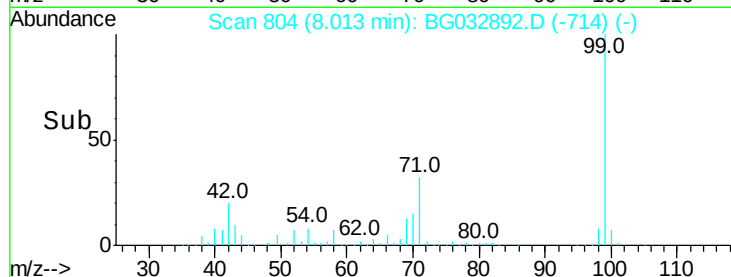
99 100

42 19.9 14.1 21.1

71 32.5 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: 15.494 ng

RT: 10.12 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032892.D

Acq: 28 Feb 2018 17:57

Tgt Ion: 70 Resp: 75973

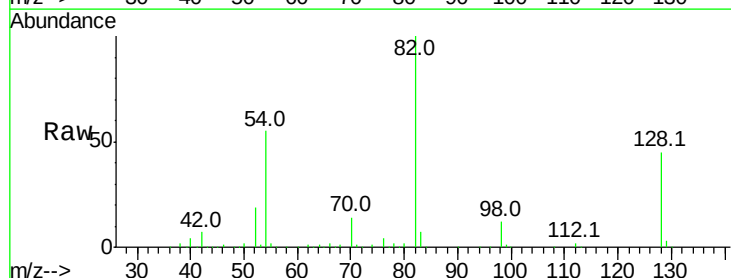
Ion Ratio Lower Upper

70 100

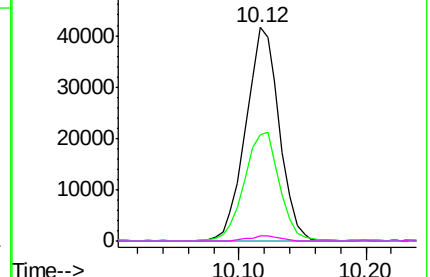
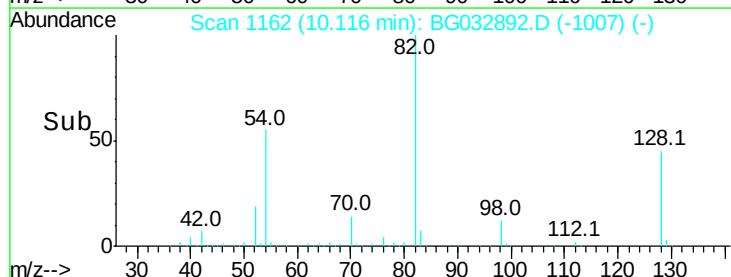
42 49.8 49.1 73.7

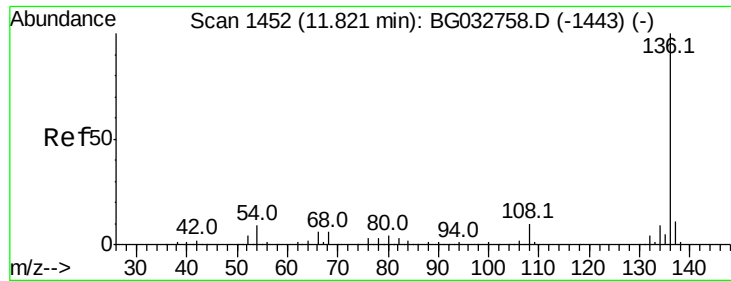
101 0.0 8.5 12.7#

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

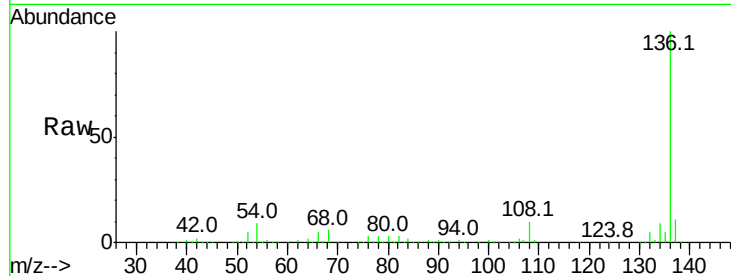




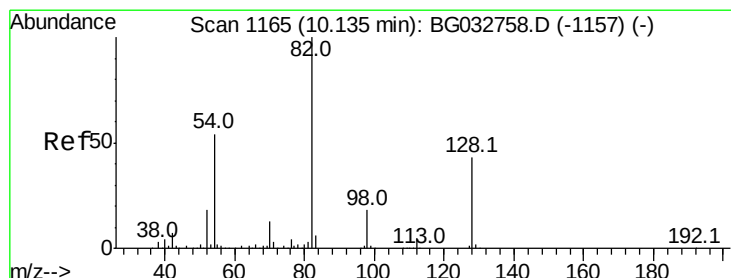
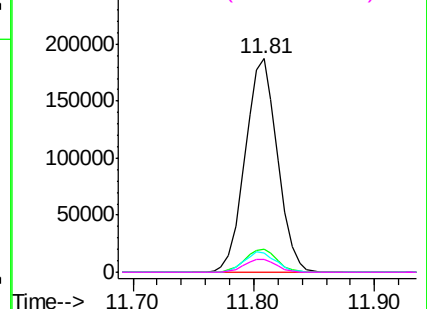
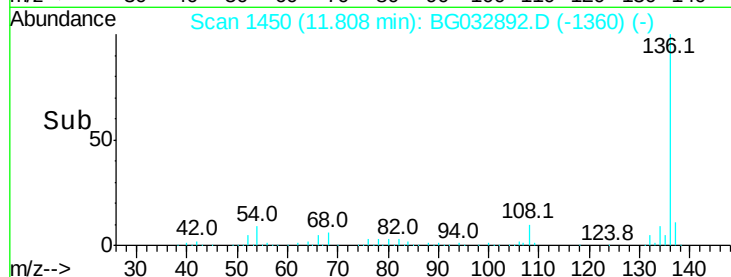
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032892.D
Acq: 28 Feb 2018 17:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	9.1	10.3	15.5#
68	6.0	4.5	6.7

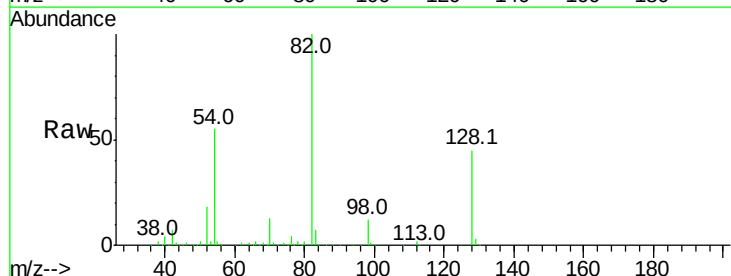


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

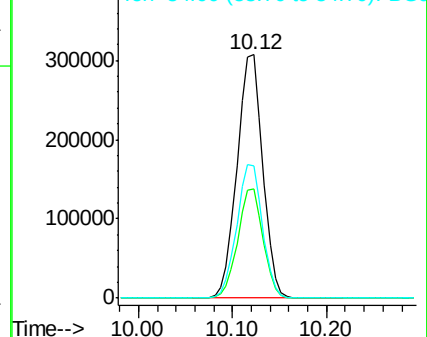
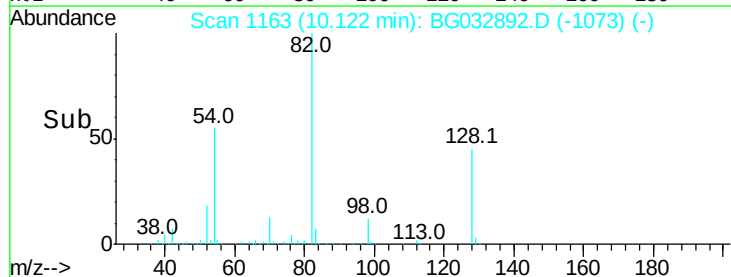


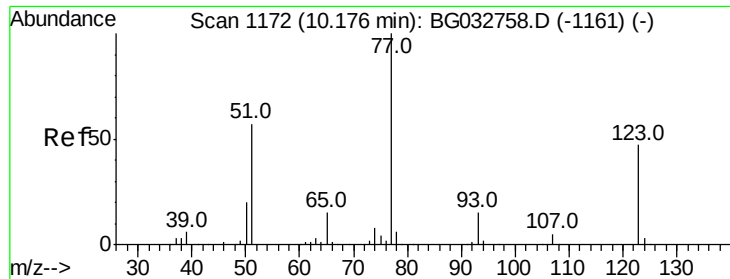
#23
Nitrobenzene-d5
Concen: 112.776 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032892.D
Acq: 28 Feb 2018 17:57

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.7	29.7	44.5#
54	54.5	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





#24

Nitrobenzene

Concen: 6.705 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.04 min

Lab File: BG032892.D

Acq: 28 Feb 2018 17:57

Instrument :

BNA_G

ClientSampleId :

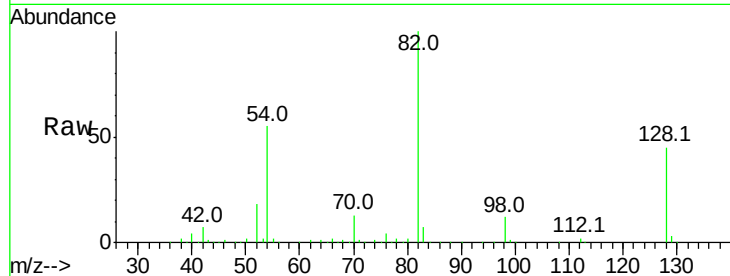
Tot Ion: 77 Resp: 2076

Ion Ratio Lower Upper

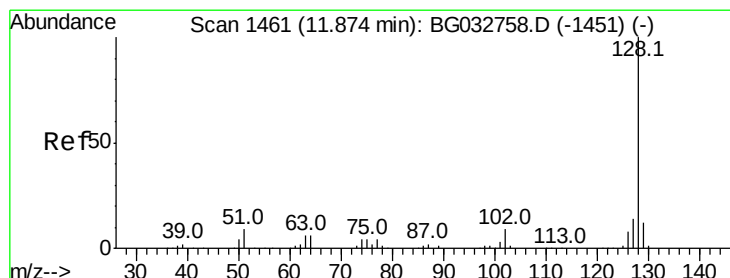
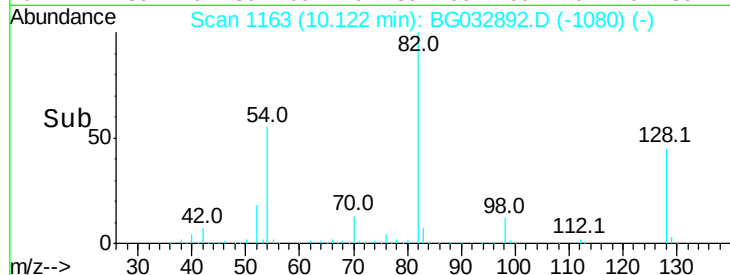
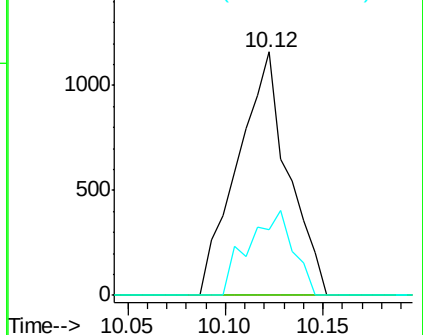
77 100

123 0.0 33.0 49.6#

65 27.0 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



#31

Naphthalene

Concen: 6.669 ng

RT: 11.86 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BG032892.D

Acq: 28 Feb 2018 17:57

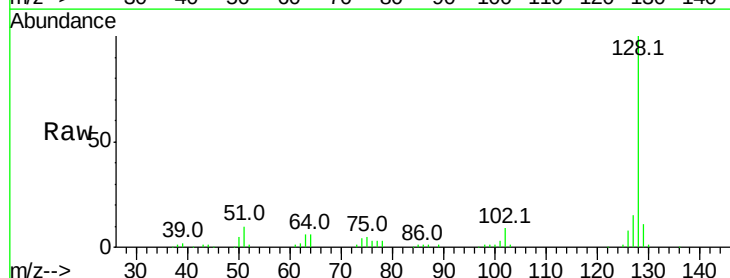
Tgt Ion: 128 Resp: 120976

Ion Ratio Lower Upper

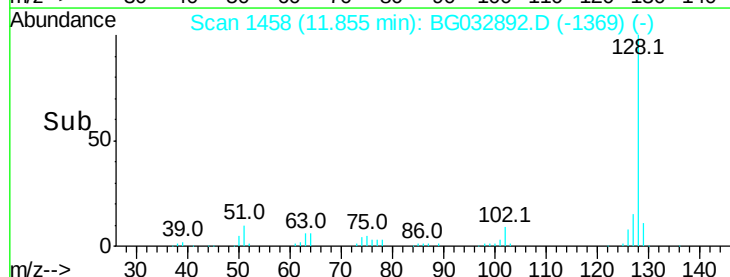
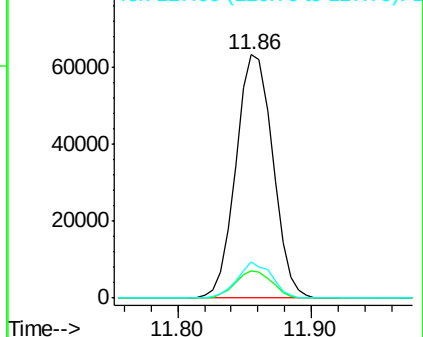
128 100

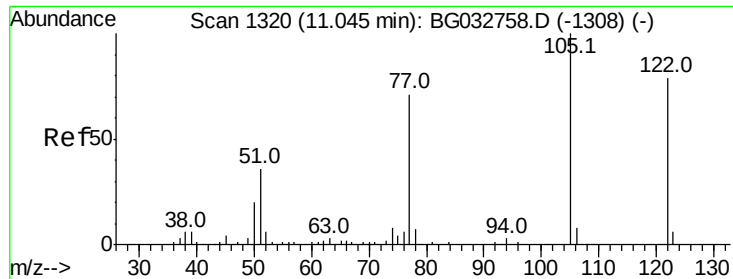
129 11.3 8.6 12.8

127 14.7 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 5.881 ng

RT: 10.99 min Scan# 1310

Delta R.T. -0.06 min

Lab File: BG032892.D

Acq: 28 Feb 2018 17:57

Instrument :

BNA_G

ClientSampleId :

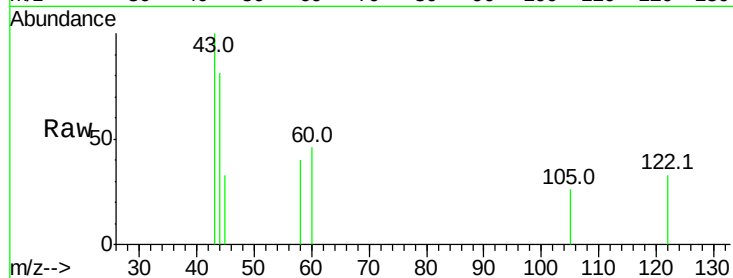
Tot Ion:122 Resp: 179

Ion Ratio Lower Upper

122 100

105 80.5 123.5 163.5#

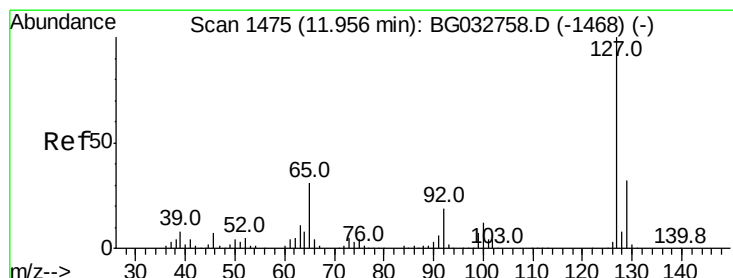
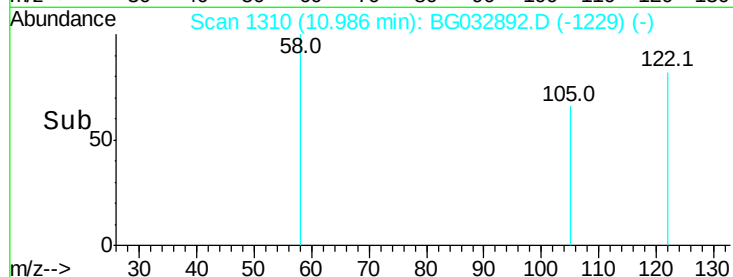
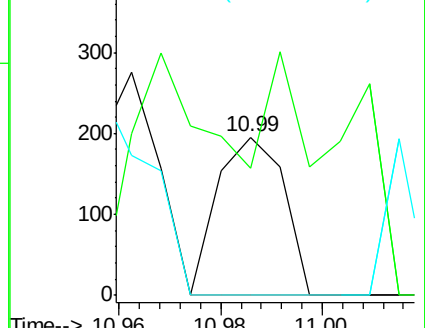
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#33

4-Chloroaniline

Concen: 2.067 ng

RT: 11.86 min Scan# 1458

Delta R.T. -0.10 min

Lab File: BG032892.D

Acq: 28 Feb 2018 17:57

Tgt Ion:127 Resp: 16768

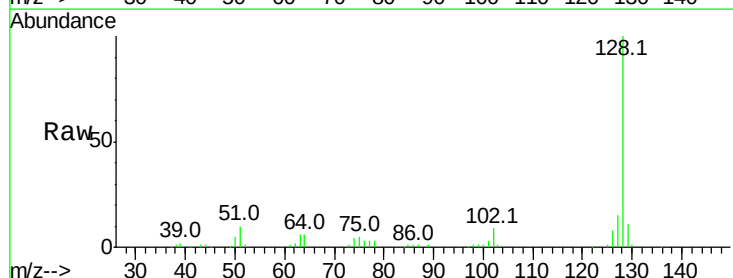
Ion Ratio Lower Upper

127 100

129 76.9 24.0 36.0#

65 0.0 27.0 40.4#

92 0.0 16.6 25.0#

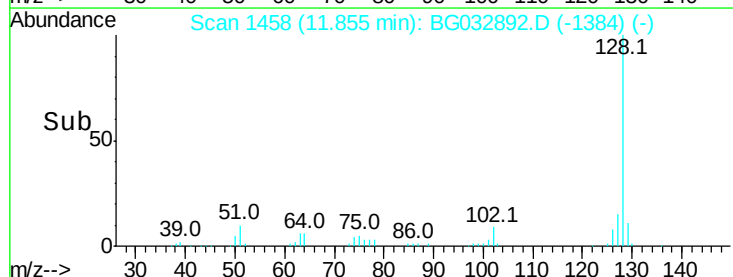
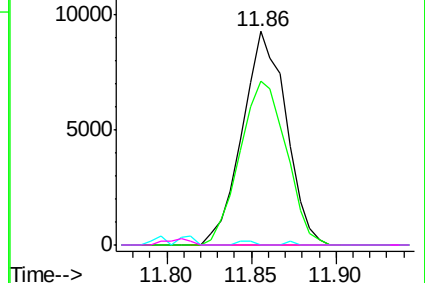


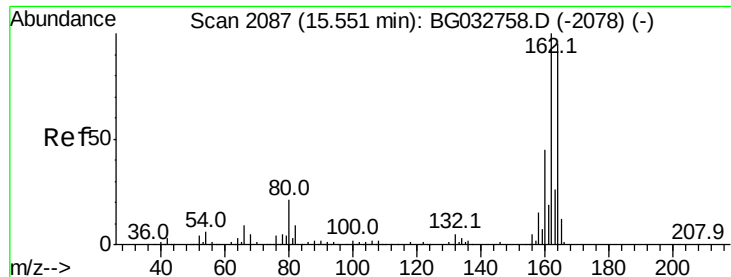
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG032892.D

Acq: 28 Feb 2018 17:57

Instrument :

BNA_G

ClientSampleId :

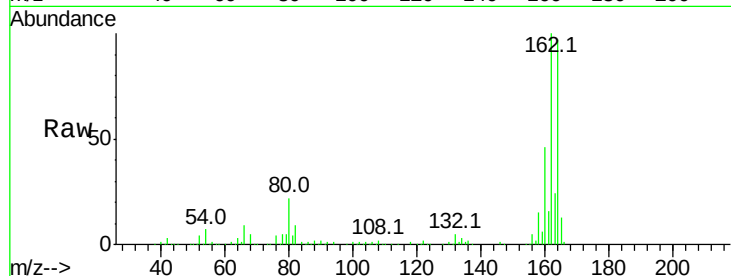
Tot Ion:164 Resp: 194714

Ion Ratio Lower Upper

164 100

162 103.5 78.8 118.2

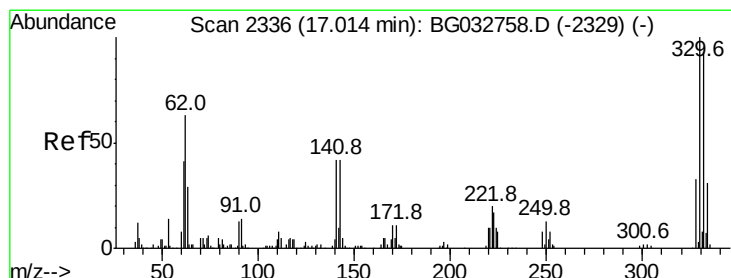
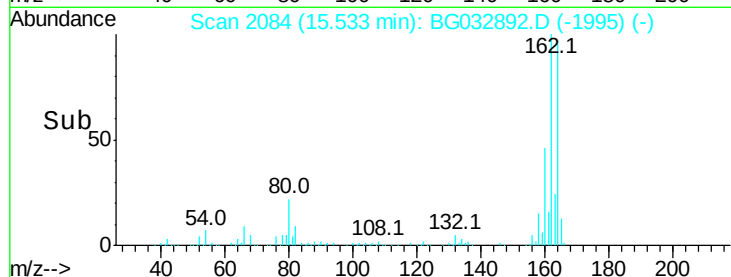
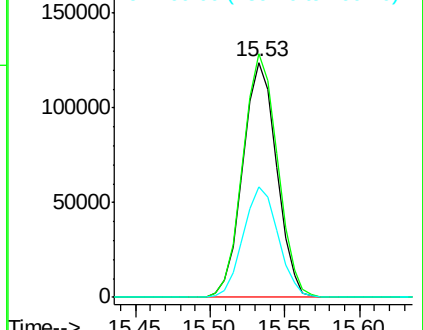
160 47.2 35.4 53.0



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: 152.475 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.00 min

Lab File: BG032892.D

Acq: 28 Feb 2018 17:57

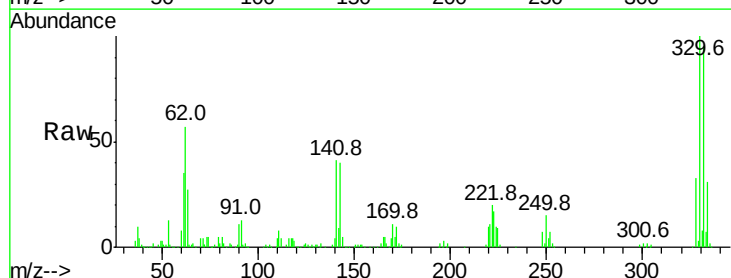
Tgt Ion:330 Resp: 312169

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

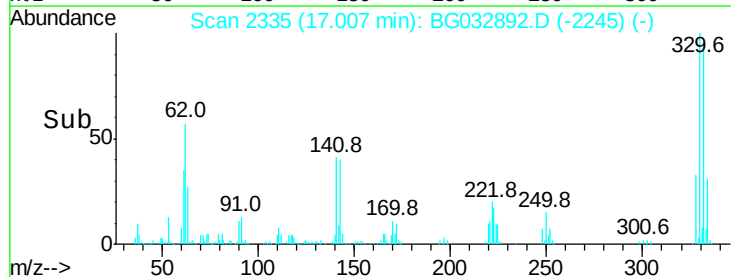
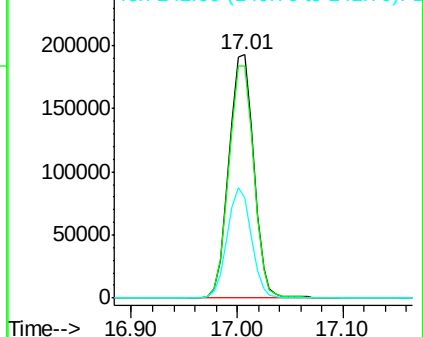
141 44.2 25.2 37.8#

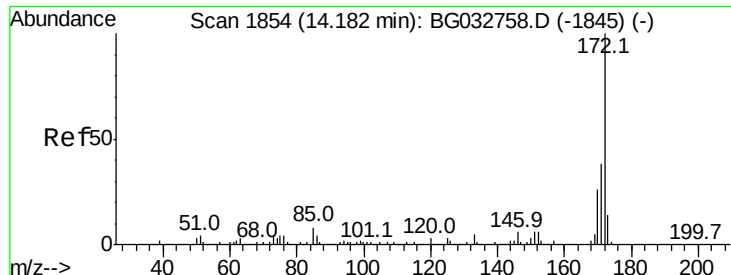


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

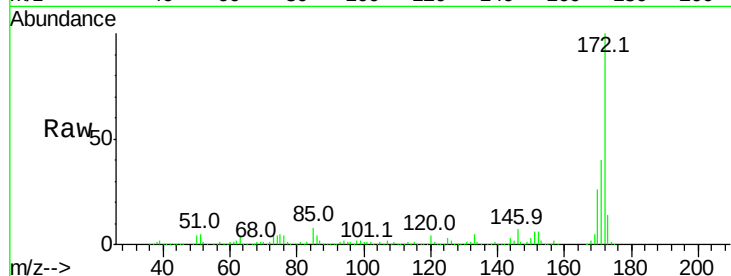




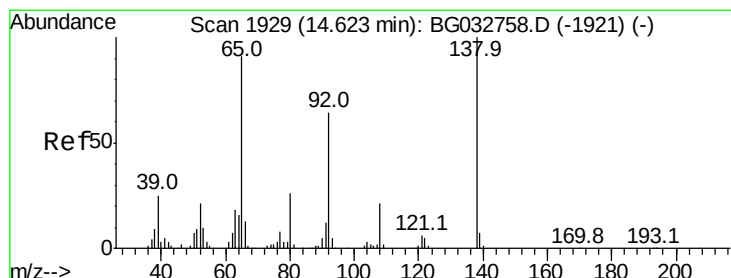
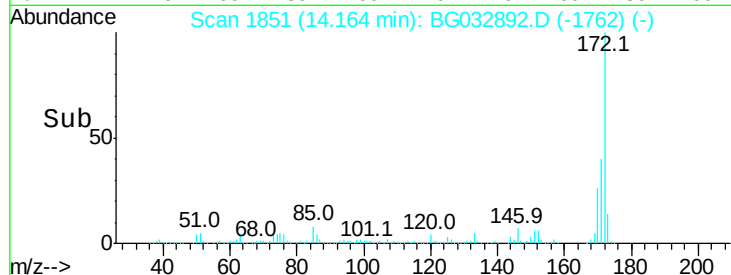
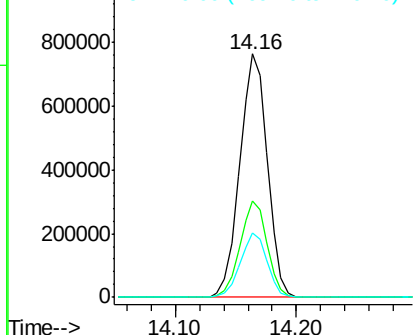
#44
2-Fluorobiphenyl
Concen: 90.109 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BG032892.D
Acq: 28 Feb 2018 17:57

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1216528
Ion Ratio Lower Upper
172 100
171 39.7 30.0 45.0
170 26.4 19.5 29.3

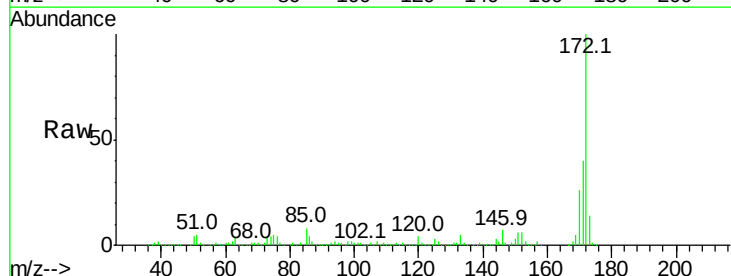


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

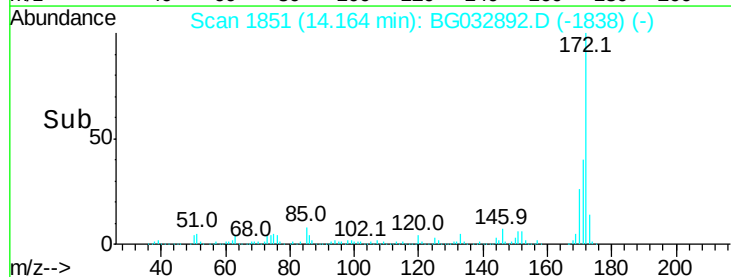
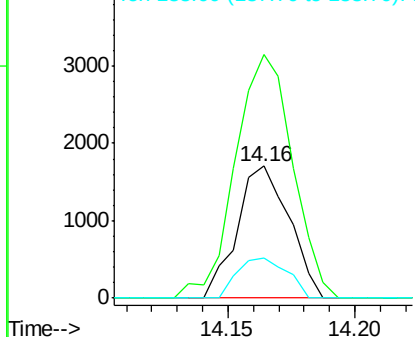


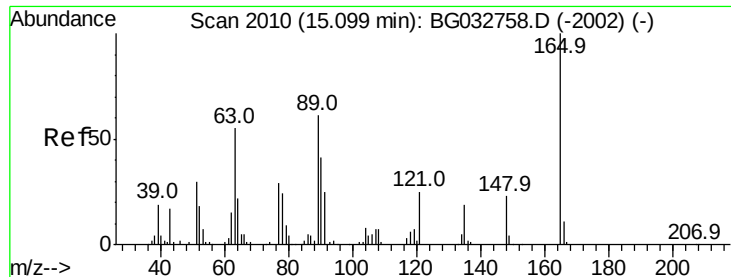
#47
2-Nitroaniline
Concen: 10.438 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.45 min
Lab File: BG032892.D
Acq: 28 Feb 2018 17:57

Tgt Ion: 65 Resp: 2427
Ion Ratio Lower Upper
65 100
92 184.9 54.6 82.0#
138 30.8 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E

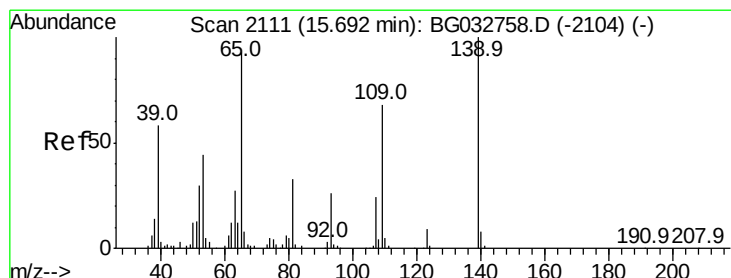
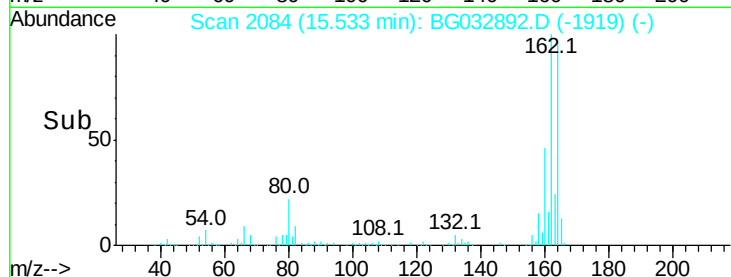
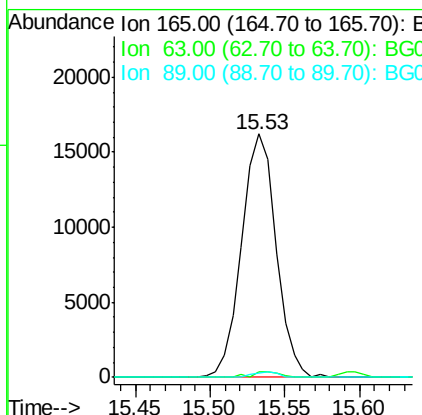
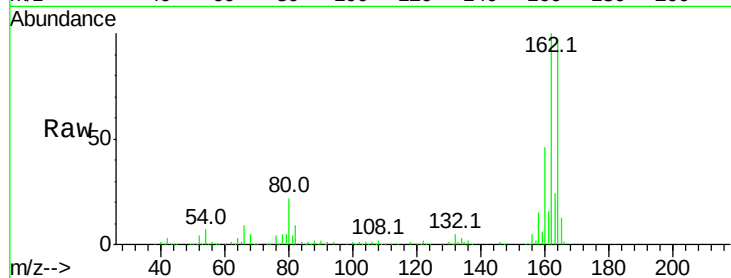




#50
2,6-Dinitrotoluene
Concen: 16.612 ng
RT: 15.53 min Scan# 2084
Delta R.T. 0.44 min
Lab File: BG032892.D
Acq: 28 Feb 2018 17:57

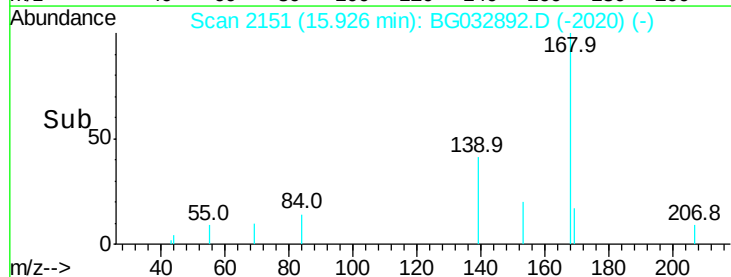
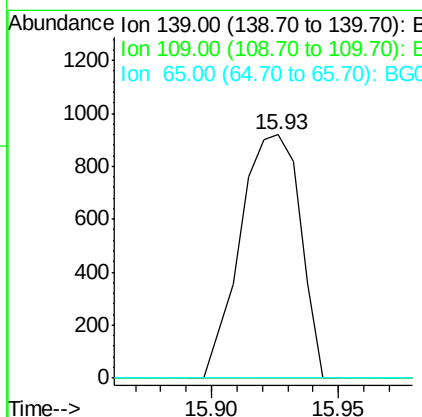
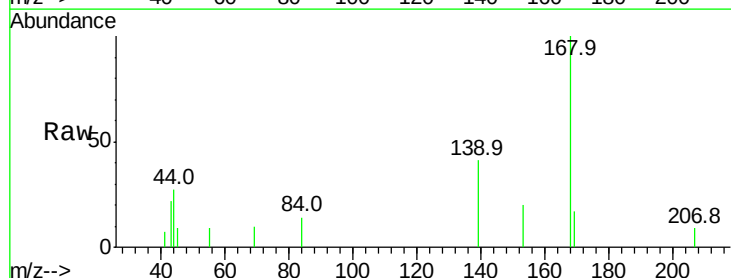
Instrument :
BNA_G
ClientSampleId :

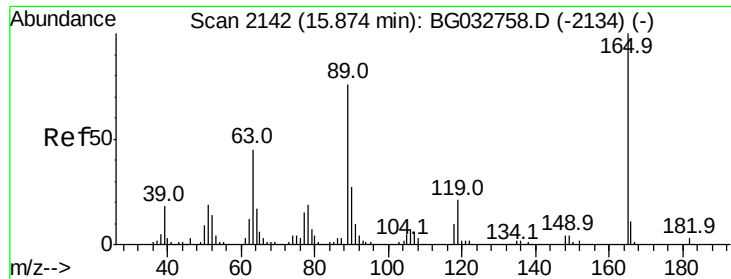
Tot Ion:165 Resp: 25913
Ion Ratio Lower Upper
165 100
63 2.0 52.7 79.1#
89 2.0 49.2 73.8#



#55
4-Nitrophenol
Concen: 7.590 ng
RT: 15.93 min Scan# 2151
Delta R.T. 0.24 min
Lab File: BG032892.D
Acq: 28 Feb 2018 17:57

Tgt Ion:139 Resp: 1513
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

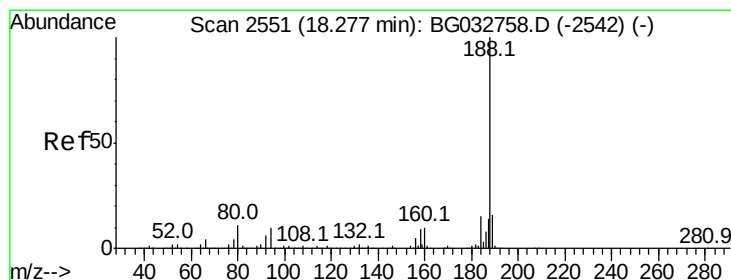
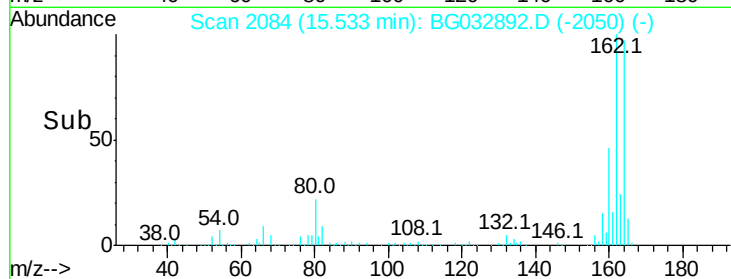
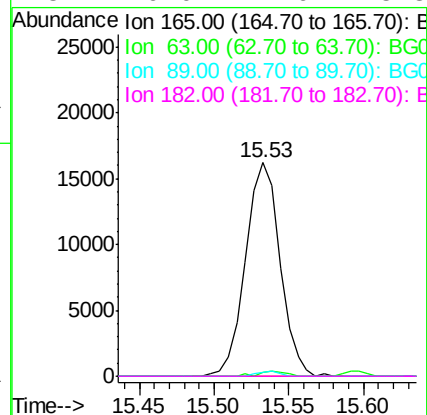
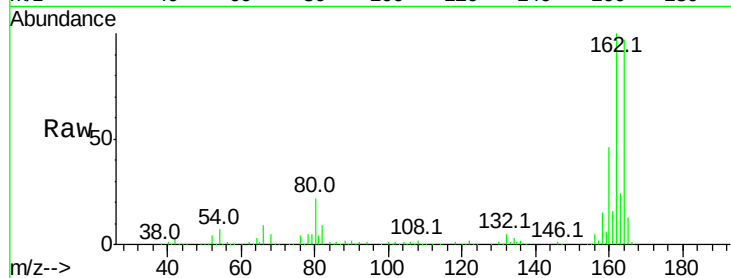




#56
 2,4-Dinitrotoluene
 Concen: 14.811 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.33 min
 Lab File: BG032892.D
 Acq: 28 Feb 2018 17:57

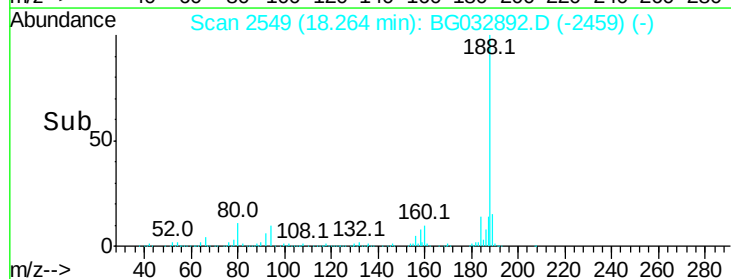
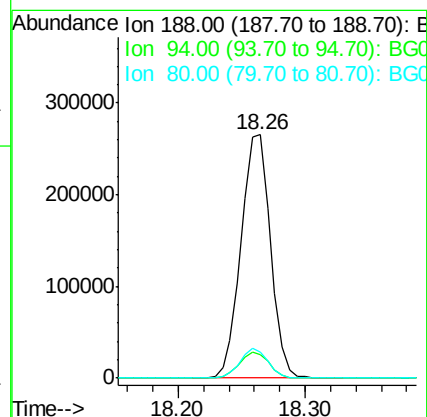
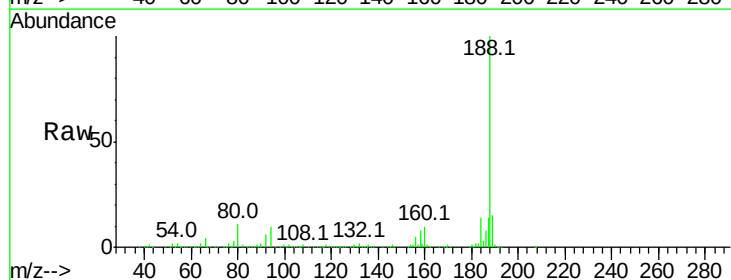
Instrument :
 BNA_G
 ClientSampled :

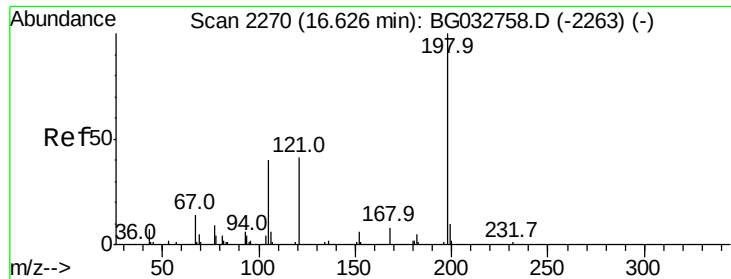
Tot Ion:	165	Resp:	25913
Ion	Ratio	Lower	Upper
165	100		
63	2.0	42.0	63.0#
89	2.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: BG032892.D
 Acq: 28 Feb 2018 17:57

Tgt Ion:	188	Resp:	427198
Ion	Ratio	Lower	Upper
188	100		
94	9.5	6.9	10.3
80	10.9	7.7	11.5

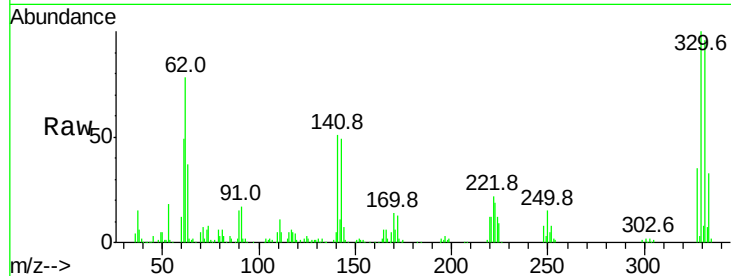




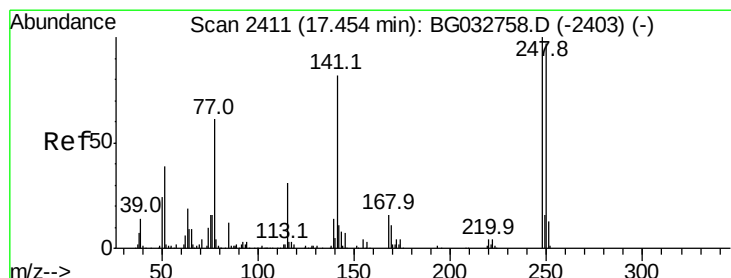
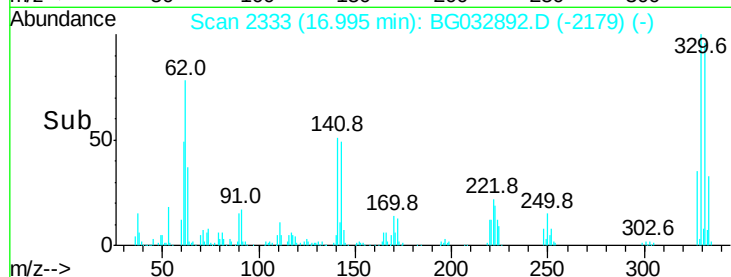
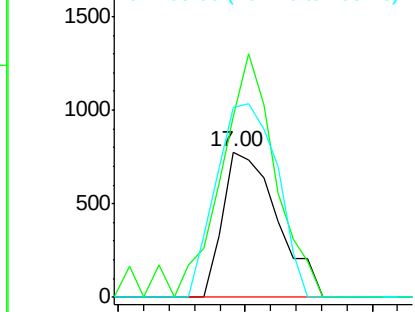
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.102 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. 0.37 min
 Lab File: BG032892.D
 Acq: 28 Feb 2018 17:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 1162
 Ion Ratio Lower Upper
 198 100
 51 124.5 30.6 70.6#
 105 130.8 23.8 63.8#

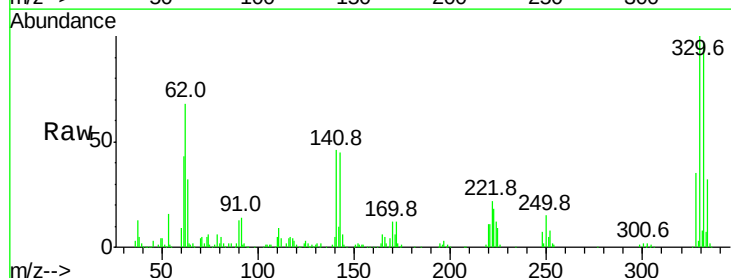


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

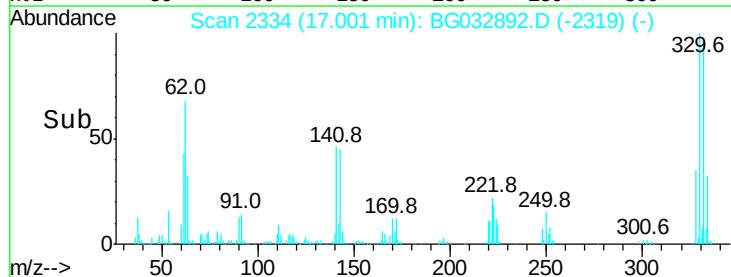
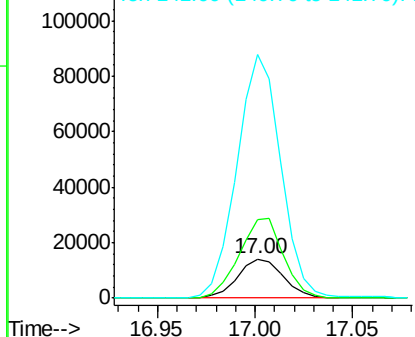


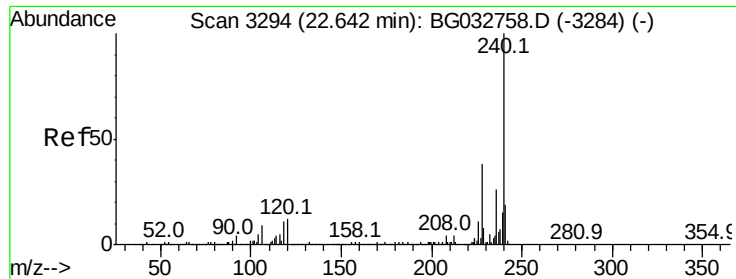
#66
 4-Bromophenyl-phenylether
 Concen: 4.984 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.44 min
 Lab File: BG032892.D
 Acq: 28 Feb 2018 17:57

Tgt Ion:248 Resp: 22514
 Ion Ratio Lower Upper
 248 100
 250 199.7 77.1 115.7#
 141 619.5 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: 22.62 min Scan# 3290

Delta R.T. -0.01 min

Lab File: BG032892.D

Acq: 28 Feb 2018 17:57

Instrument :

BNA_G

ClientSampleId :

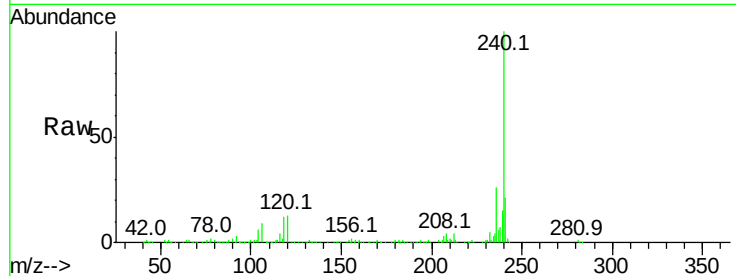
Tot Ion:240 Resp: 387641

Ion Ratio Lower Upper

240 100

120 12.7 6.8 10.2#

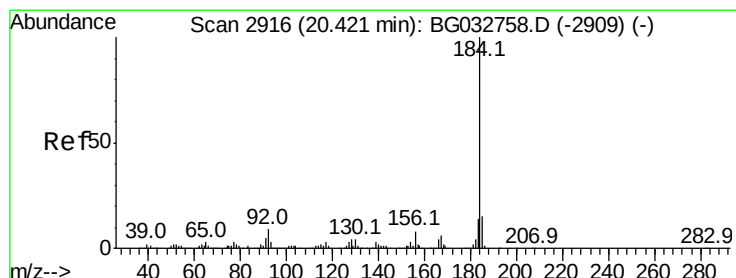
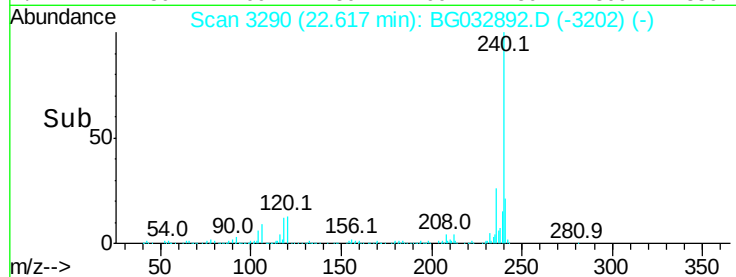
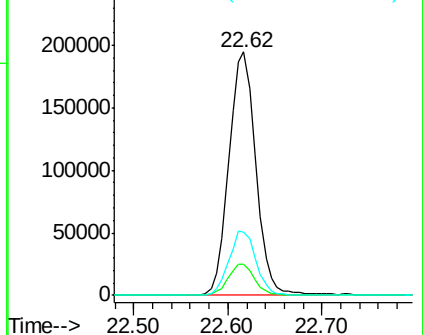
236 26.1 20.9 31.3



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: 2.284 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.36 min

Lab File: BG032892.D

Acq: 28 Feb 2018 17:57

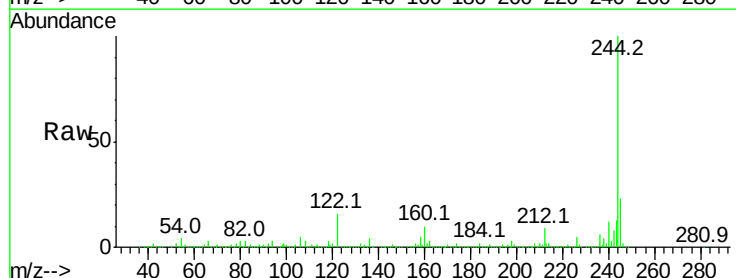
Tgt Ion:184 Resp: 30186

Ion Ratio Lower Upper

184 100

185 13.8 11.1 16.7

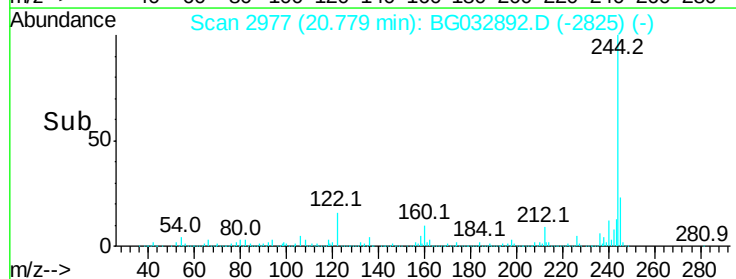
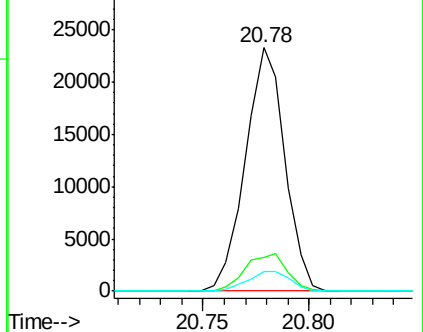
183 8.1 10.6 16.0#

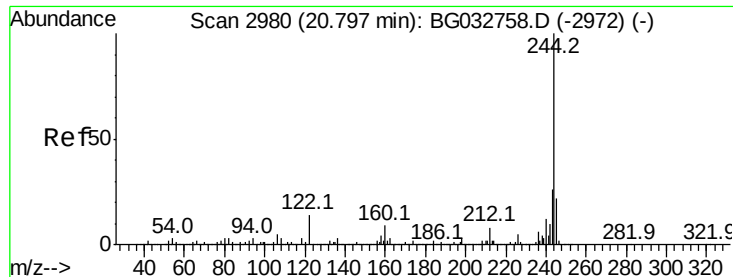


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.281 ng

RT: 20.78 min Scan# 2977

Delta R.T. -0.01 min

Lab File: BG032892.D

Acq: 28 Feb 2018 17:57

Instrument :

BNA_G

ClientSampleId :

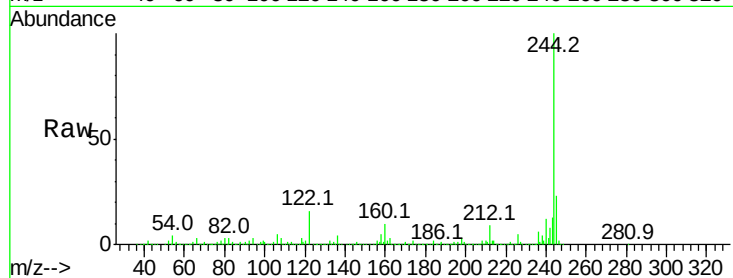
Tot Ion:244 Resp: 1712960

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

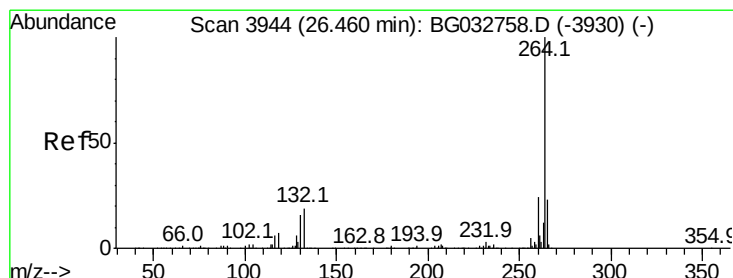
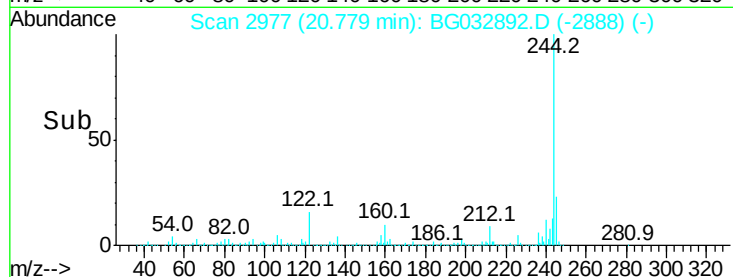
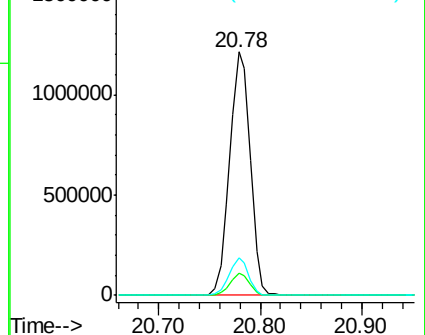
122 15.5 7.0 10.4#



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: 26.42 min Scan# 3938

Delta R.T. -0.01 min

Lab File: BG032892.D

Acq: 28 Feb 2018 17:57

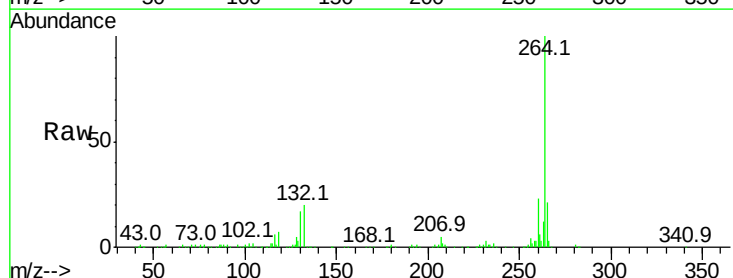
Tgt Ion:264 Resp: 393877

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 21.3 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

