

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030118\
 Data File : BG032939.D
 Acq On : 2 Mar 2018 6:11
 Operator : SJ/JU
 Sample : J1736-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 02 10:56:18 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	58615	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	262696	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	141808	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	289793	20.00	ng	0.00
75) Chrysene-d12	22.62	240	279579	20.00	ng	0.00
86) Perylene-d12	26.43	264	274780	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	517926	141.36	ng	0.00
7) Phenol-d6	8.01	99	629638	123.29	ng	0.00
23) Nitrobenzene-d5	10.12	82	449276	114.75	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	192363	129.01	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1019115	103.65	ng	0.00
78) Terphenyl-d14	20.78	244	1300679	104.52	ng	0.00

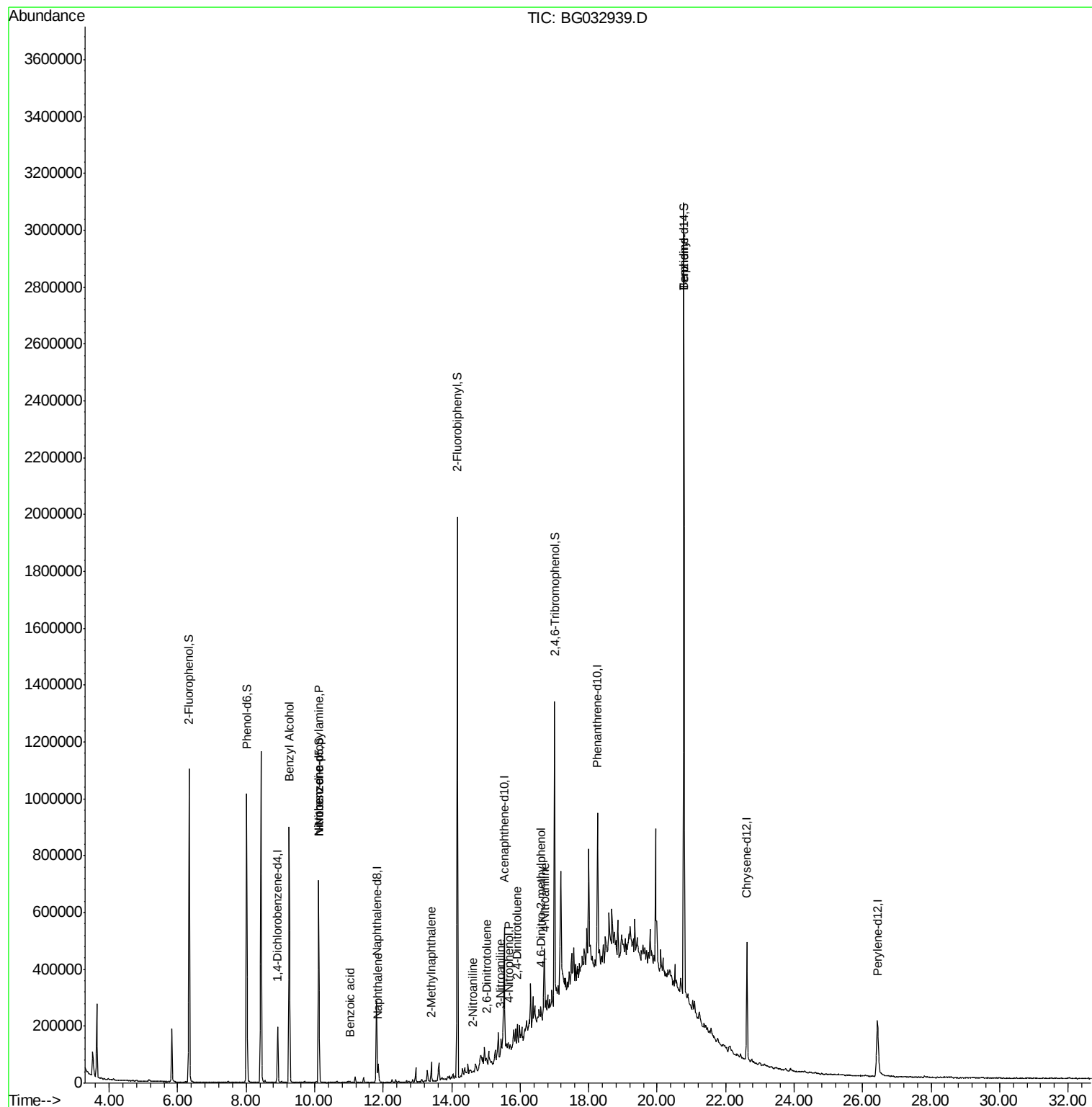
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.26	79	7632	2.033	ng	# 35
19) n-Nitroso-di-n-propylamine	10.12	70	59371	16.468	ng	# 82
24) Nitrobenzene	10.12	77	1598	6.711	ng	# 43
31) Naphthalene	11.86	128	56143	4.090	ng	# 99
32) Benzoic acid	11.03	122	372	5.997	ng	# 69
37) 2-Methylnaphthalene	13.41	142	33777	3.401	ng	# 92
47) 2-Nitroaniline	14.60	65	664	10.062	ng	# 41
50) 2,6-Dinitrotoluene	15.02	165	1991	9.712	ng	# 32
52) 3-Nitroaniline	15.42	138	97	7.577	ng	# 1
55) 4-Nitrophenol	15.68	139	218	7.181	ng	# 1
56) 2,4-Dinitrotoluene	15.91	165	794	7.146	ng	# 44
61) 4-Nitroaniline	16.73	138	215	5.373	ng	# 84
64) 4,6-Dinitro-2-methylphenol	16.63	198	258	5.327	ng	# 1
76) Benzidine	20.78	184	22797	2.392	ng	# 91

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

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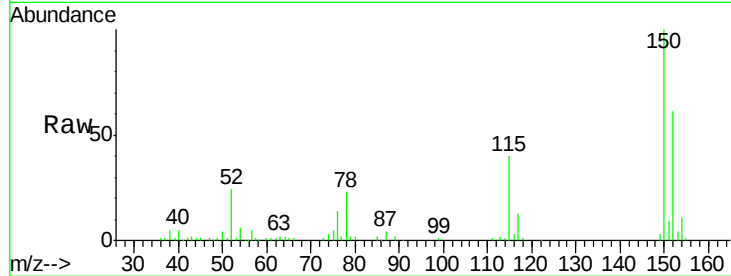


#1

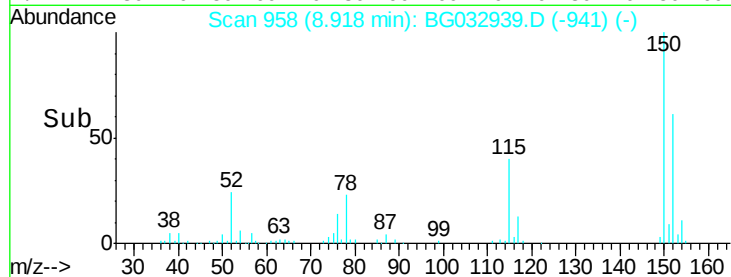
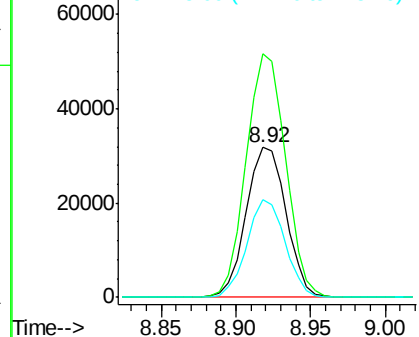
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.00 min
Lab File: BG032939.D
Acq: 2 Mar 2018 6:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 58615
Ion Ratio Lower Upper
152 100
150 162.7 126.6 189.8
115 64.9 53.0 79.4



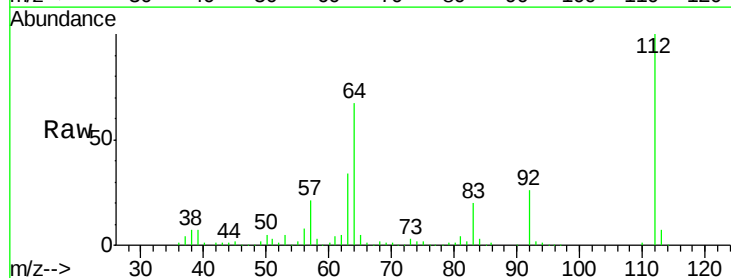
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



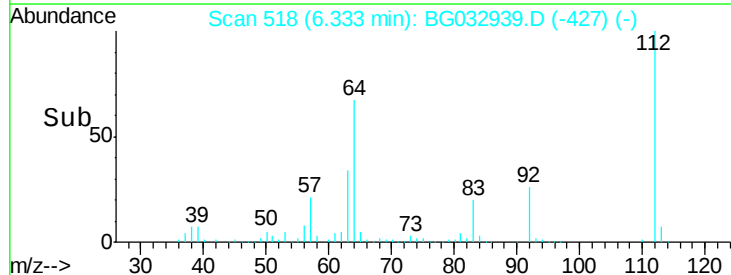
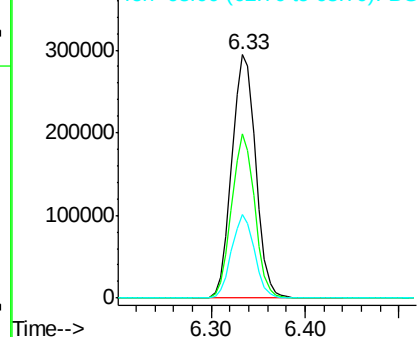
#5

2-Fluorophenol
Concen: 141.364 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG032939.D
Acq: 2 Mar 2018 6:11

Tgt Ion:112 Resp: 517926
Ion Ratio Lower Upper
112 100
64 67.3 56.3 84.5
63 34.5 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 123.294 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032939.D

Acq: 2 Mar 2018 6:11

Instrument :

BNA_G

ClientSampleId :

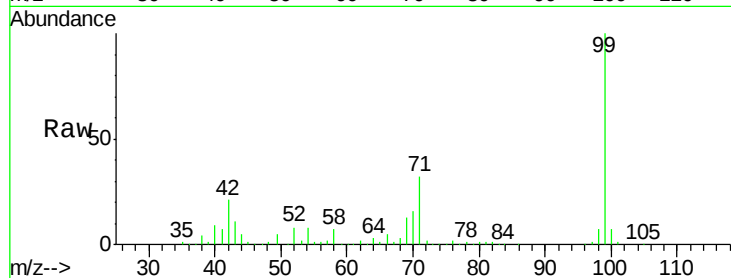
Tot Ion: 99 Resp: 629638

Ion Ratio Lower Upper

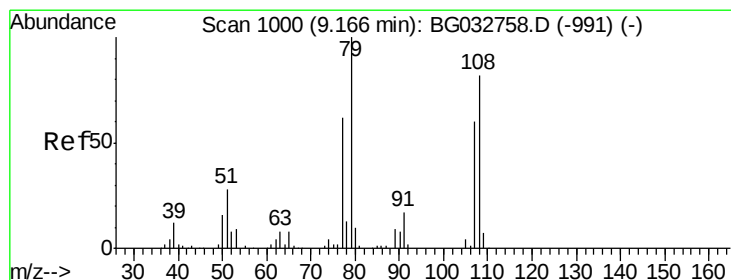
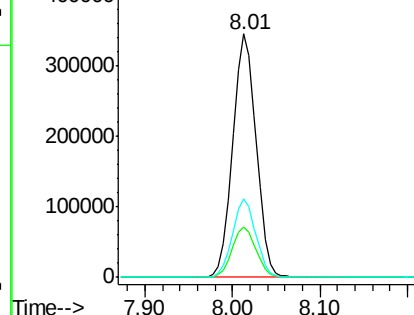
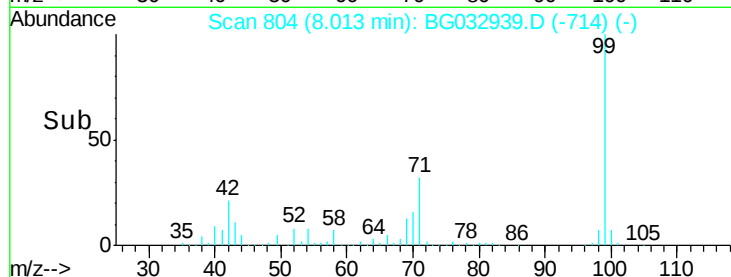
99 100

42 20.8 14.1 21.1

71 32.3 26.1 39.1



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



#15

Benzyl Alcohol

Concen: 2.033 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.11 min

Lab File: BG032939.D

Acq: 2 Mar 2018 6:11

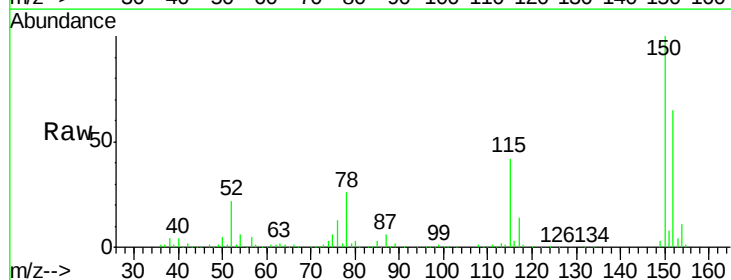
Tgt Ion: 79 Resp: 7632

Ion Ratio Lower Upper

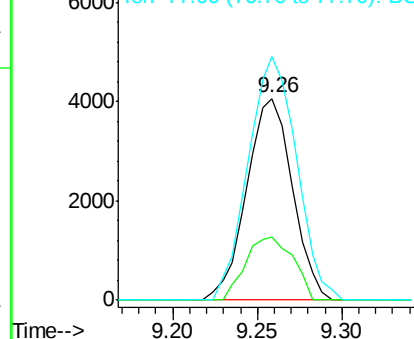
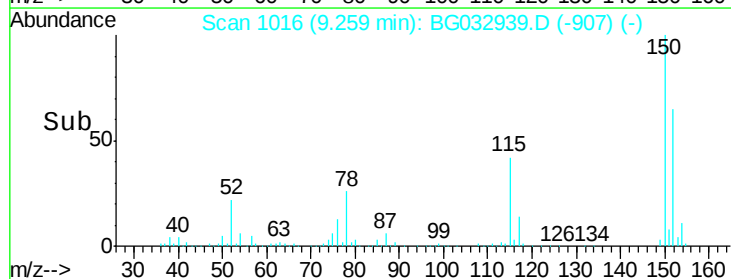
79 100

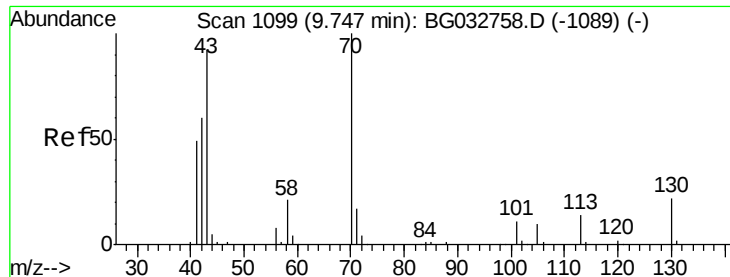
108 31.2 57.2 85.8#

77 120.6 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

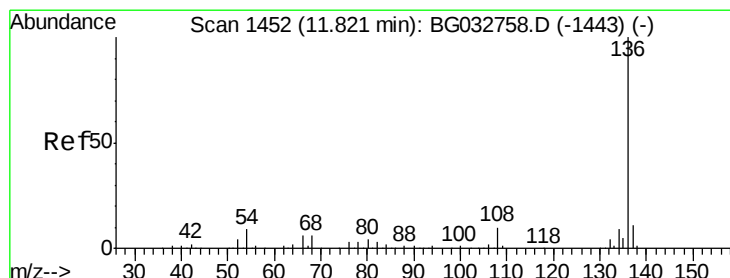
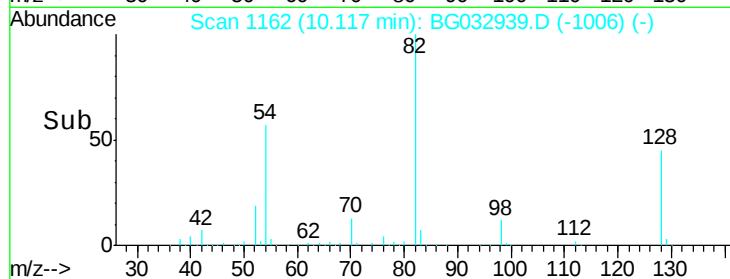
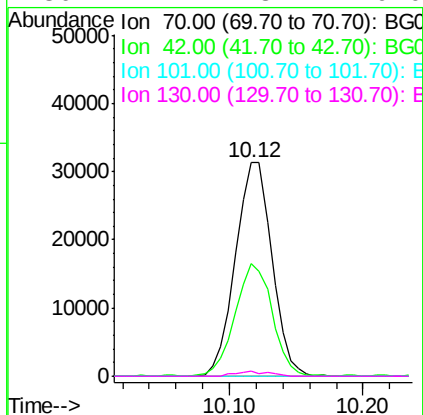
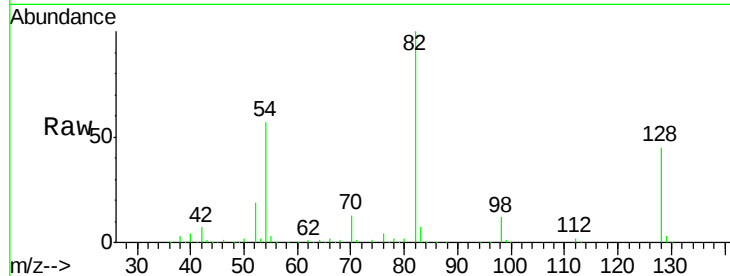




#19
n-Nitroso-di-n-propylamine
Concen: 16.468 ng
RT: 10.12 min Scan# 1162
Delta R.T. 0.39 min
Lab File: BG032939.D
Acq: 2 Mar 2018 6:11

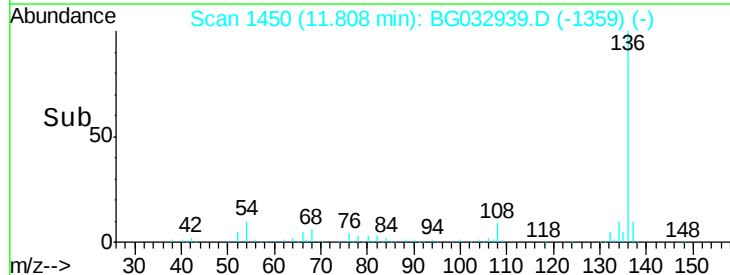
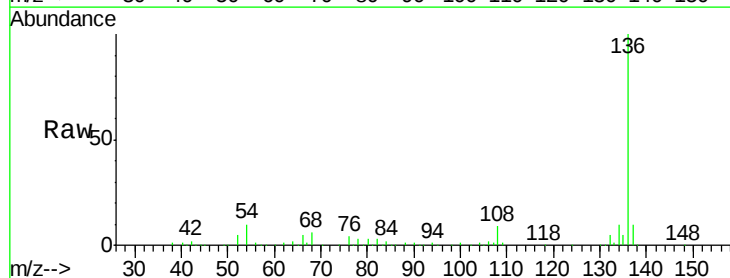
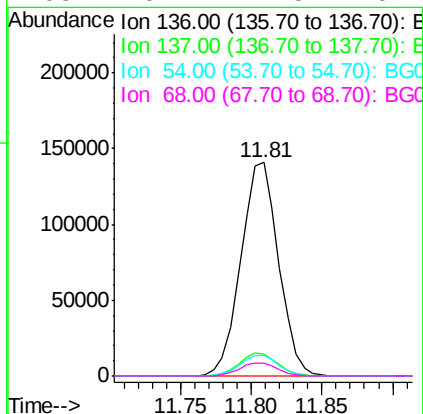
Instrument :
BNA_G
ClientSampleId :

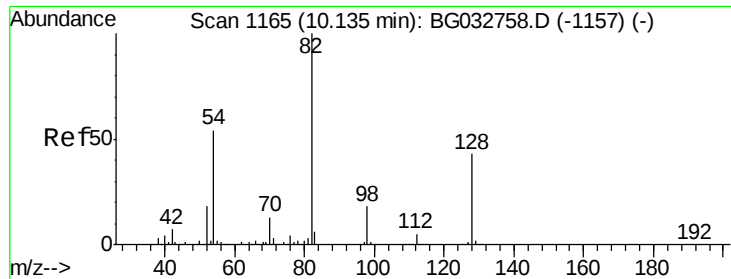
Tot Ion: 70 Resp: 59371
Ion Ratio Lower Upper
70 100
42 52.6 49.1 73.7
101 0.0 8.5 12.7#
130 2.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BG032939.D
Acq: 2 Mar 2018 6:11

Tgt Ion: 136 Resp: 262696
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 9.8 10.3 15.5#
68 6.1 4.5 6.7

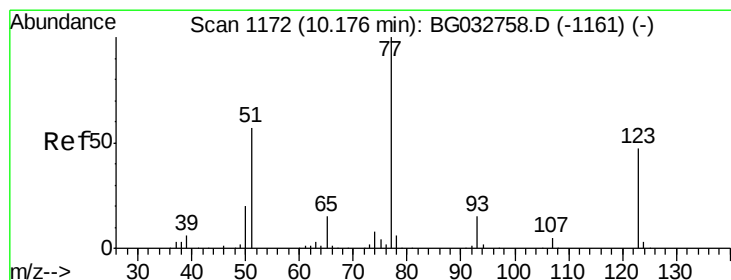
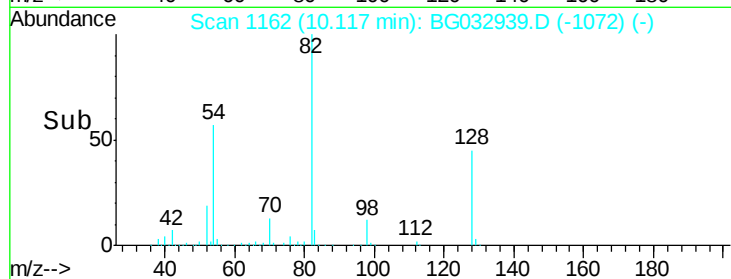
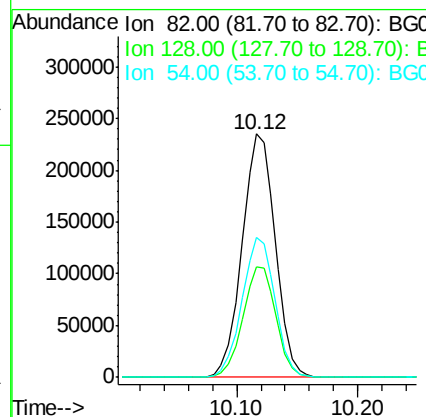
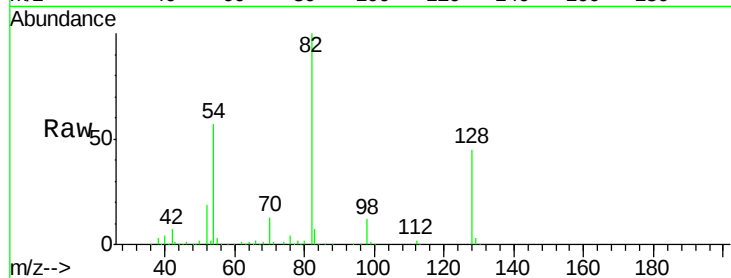




#23
 Nitrobenzene-d5
 Concen: 114.755 ng
 RT: 10.12 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: BG032939.D
 Acq: 2 Mar 2018 6:11

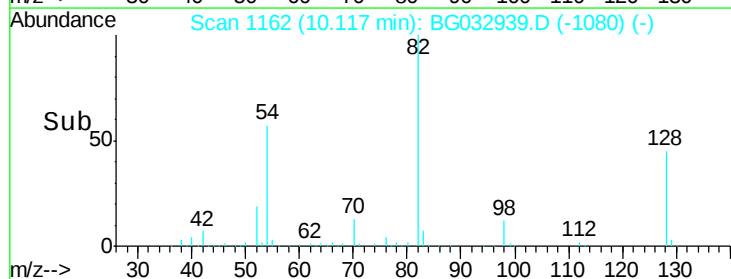
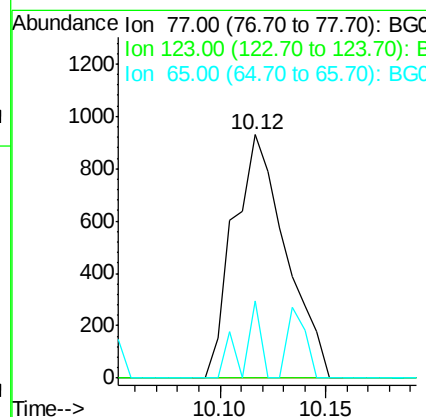
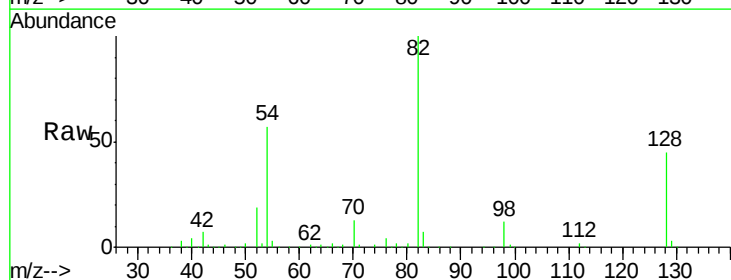
Instrument :
 BNA_G
 ClientSampleId :

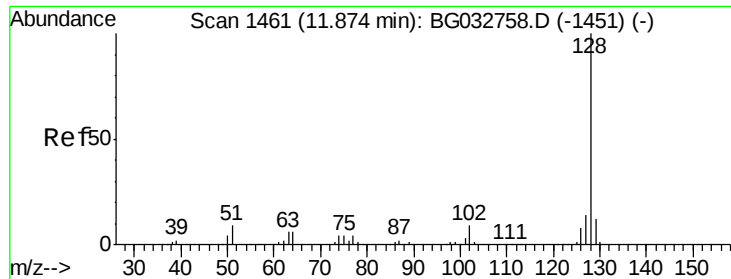
Tot Ion: 82 Resp: 449276
 Ion Ratio Lower Upper
 82 100
 128 45.4 29.7 44.5#
 54 57.2 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.711 ng
 RT: 10.12 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BG032939.D
 Acq: 2 Mar 2018 6:11

Tgt Ion: 77 Resp: 1598
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 31.5 13.0 19.6#

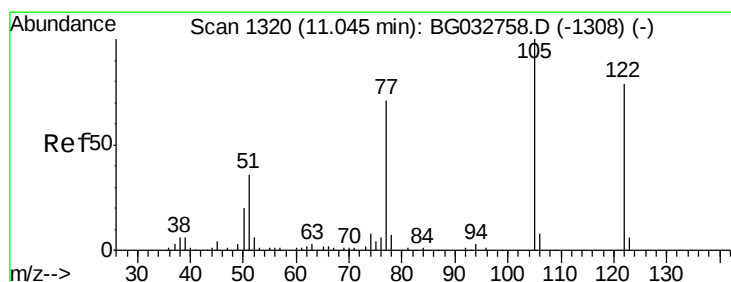
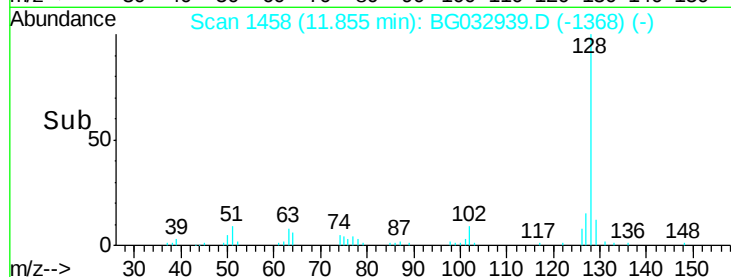
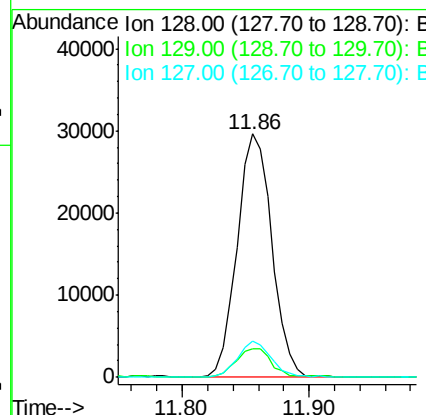
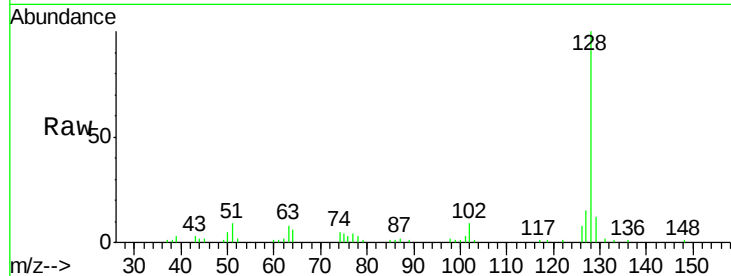




#31
Naphthalene
Concen: 4.090 ng
RT: 11.86 min Scan# 1458
Delta R.T. -0.00 min
Lab File: BG032939.D
Acq: 2 Mar 2018 6:11

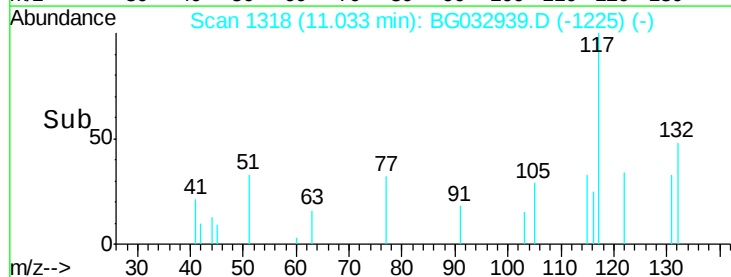
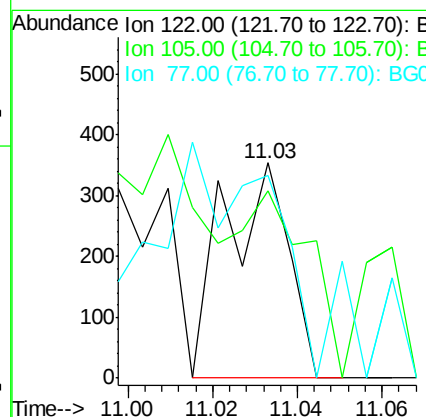
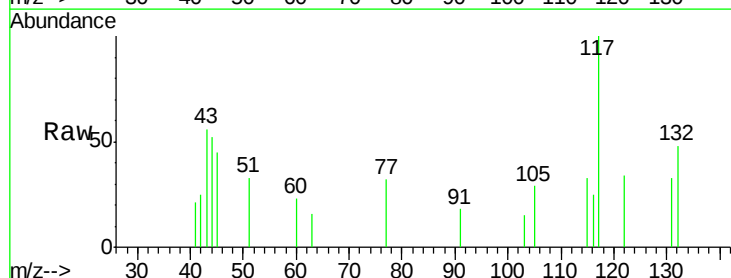
Instrument :
BNA_G
ClientSampleId :

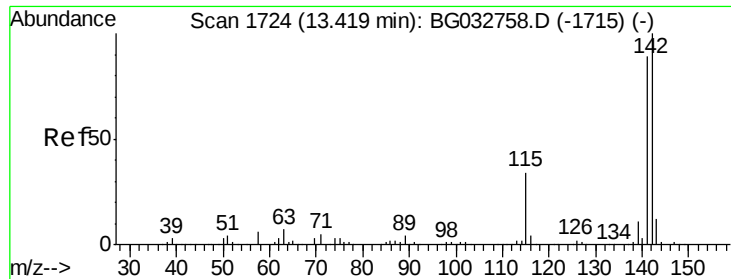
Tot Ion:128 Resp: 56143
Ion Ratio Lower Upper
128 100
129 11.9 8.6 12.8
127 14.6 11.6 17.4



#32
Benzoic acid
Concen: 5.997 ng
RT: 11.03 min Scan# 1318
Delta R.T. 0.02 min
Lab File: BG032939.D
Acq: 2 Mar 2018 6:11

Tgt Ion:122 Resp: 372
Ion Ratio Lower Upper
122 100
105 87.3 123.5 163.5#
77 94.3 85.7 125.7

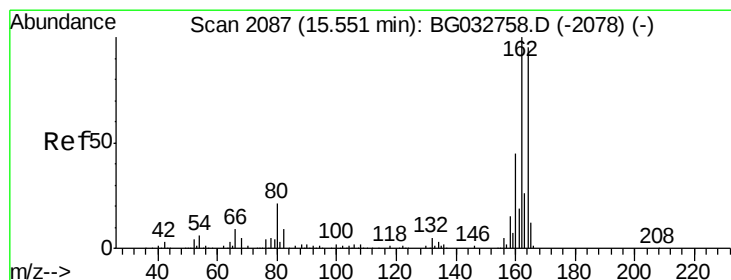
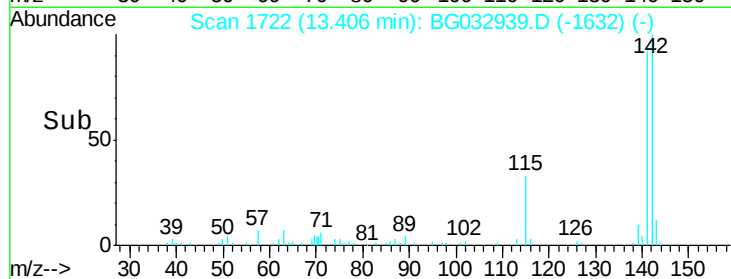
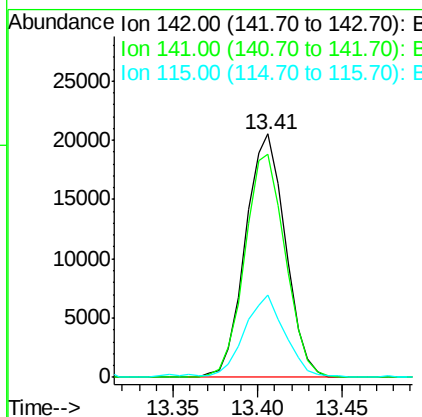
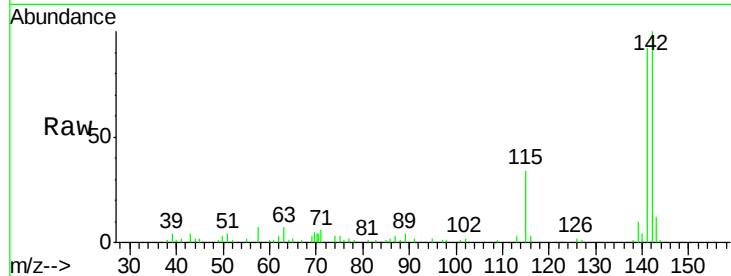




#37
 2-Methylnaphthalene
 Concen: 3.401 ng
 RT: 13.41 min Scan# 1722
 Delta R.T. -0.00 min
 Lab File: BG032939.D
 Acq: 2 Mar 2018 6:11

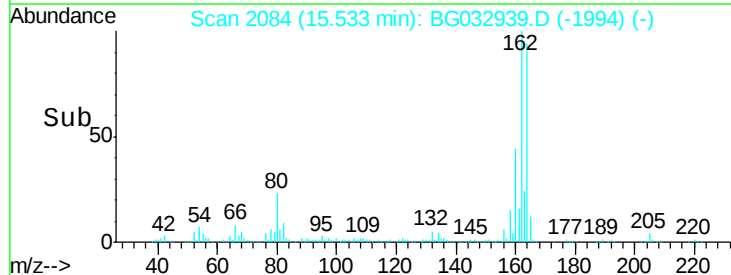
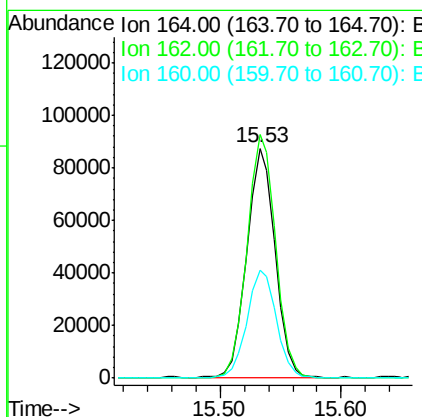
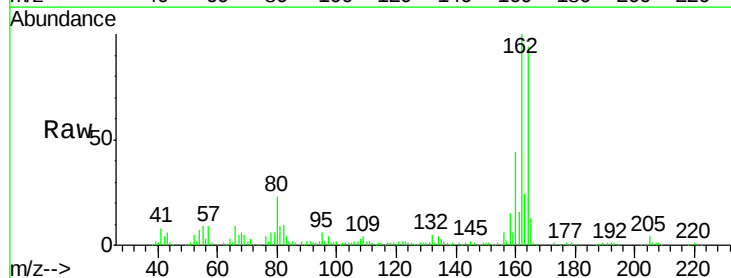
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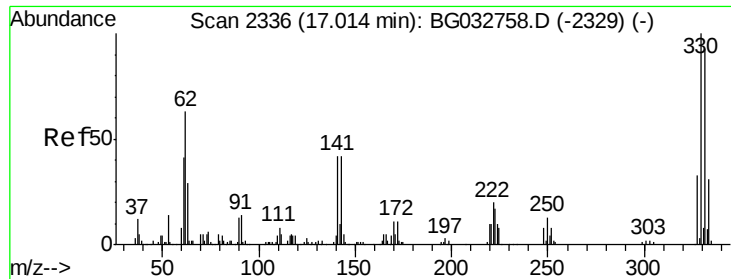
Tot Ion:142 Resp: 33777
 Ion Ratio Lower Upper
 142 100
 141 91.9 67.1 100.7
 115 33.8 30.7 46.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.00 min
 Lab File: BG032939.D
 Acq: 2 Mar 2018 6:11

Tgt Ion:164 Resp: 141808
 Ion Ratio Lower Upper
 164 100
 162 105.9 78.8 118.2
 160 47.0 35.4 53.0

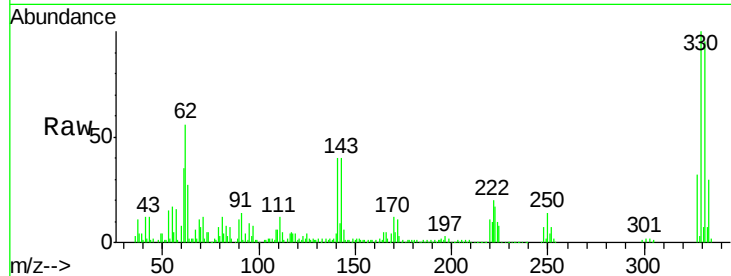




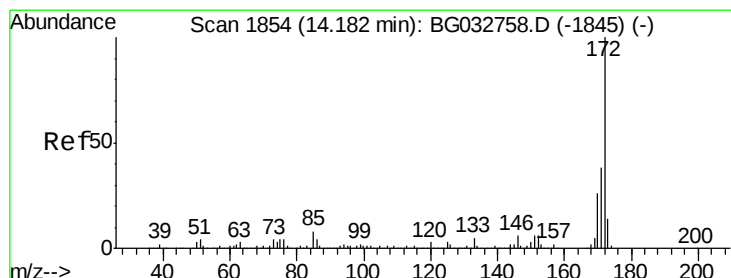
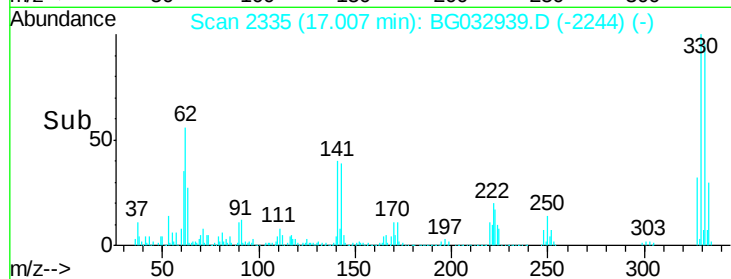
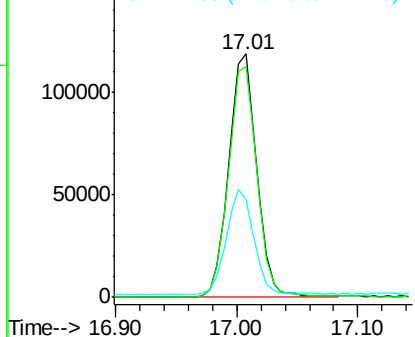
#41
 2,4,6-Tribromophenol
 Concen: 129.011 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. 0.00 min
 Lab File: BG032939.D
 Acq: 2 Mar 2018 6:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 192363
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 42.6 25.2 37.8#

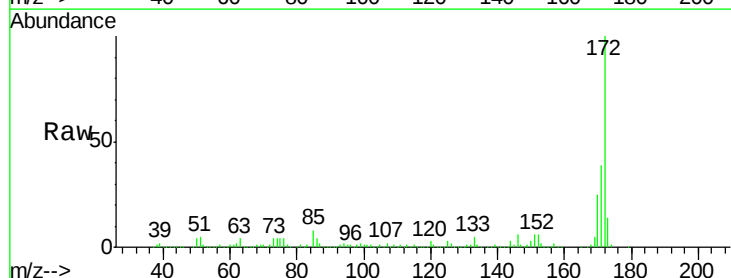


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

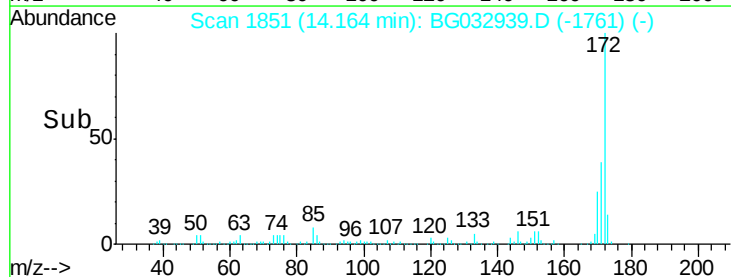
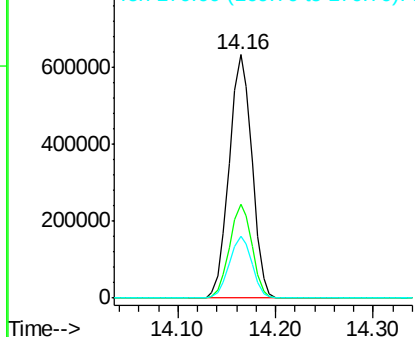


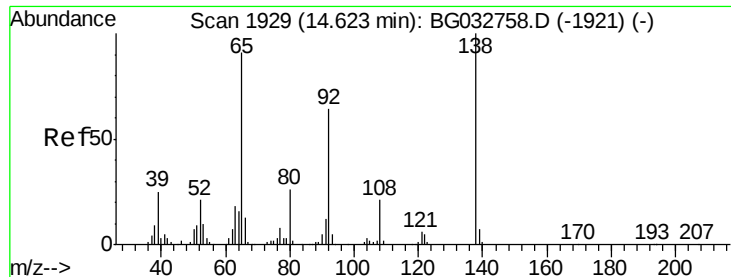
#44
 2-Fluorobiphenyl
 Concen: 103.649 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: BG032939.D
 Acq: 2 Mar 2018 6:11

Tgt Ion:172 Resp: 1019115
 Ion Ratio Lower Upper
 172 100
 171 38.7 30.0 45.0
 170 25.3 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: 10.062 ng

RT: 14.60 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BG032939.D

Acq: 2 Mar 2018 6:11

Instrument :

BNA_G

ClientSampleId :

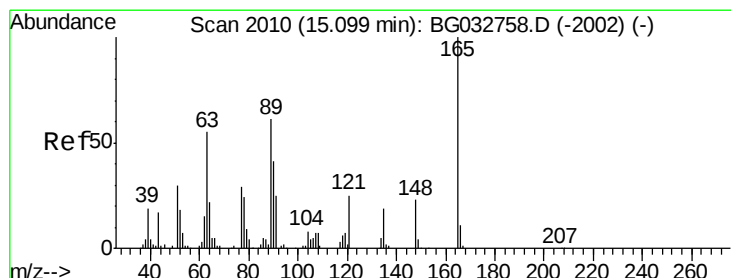
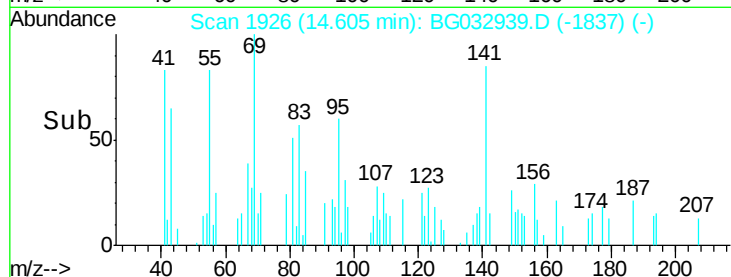
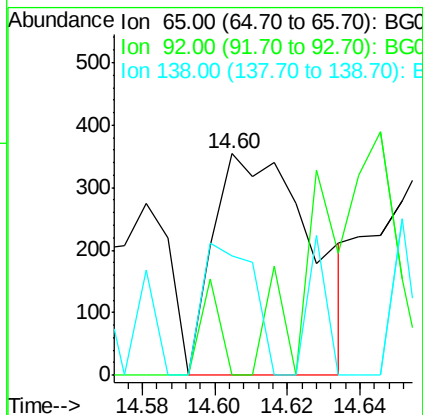
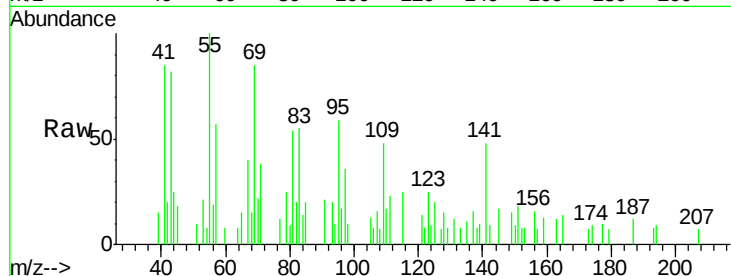
Tot Ion: 65 Resp: 664

Ion Ratio Lower Upper

65 100

92 0.0 54.6 82.0#

138 53.7 72.9 109.3#



#50

2,6-Dinitrotoluene

Concen: 9.712 ng

RT: 15.02 min Scan# 1997

Delta R.T. -0.07 min

Lab File: BG032939.D

Acq: 2 Mar 2018 6:11

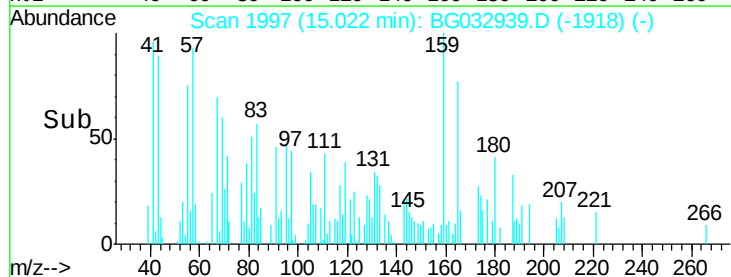
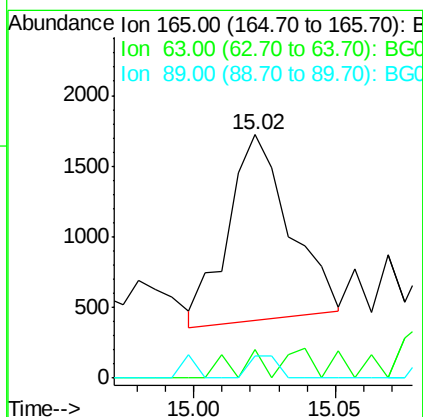
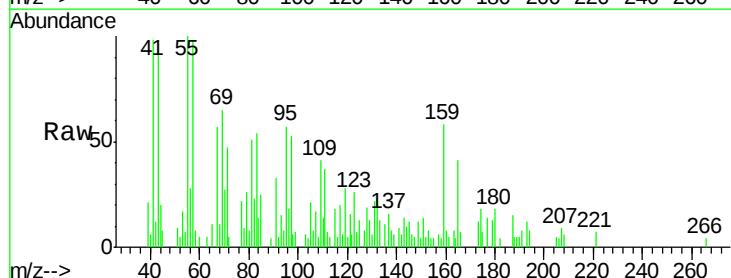
Tgt Ion: 165 Resp: 1991

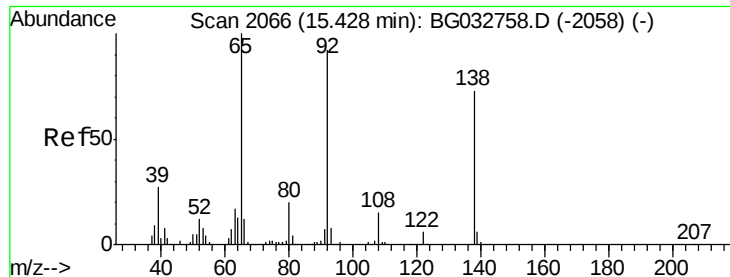
Ion Ratio Lower Upper

165 100

63 11.9 52.7 79.1#

89 9.3 49.2 73.8#





#52

3-Nitroaniline

Concen: 7.577 ng

RT: 15.42 min Scan# 2064

Delta R.T. -0.00 min

Lab File: BG032939.D

Acq: 2 Mar 2018 6:11

Instrument :

BNA_G

ClientSampled :

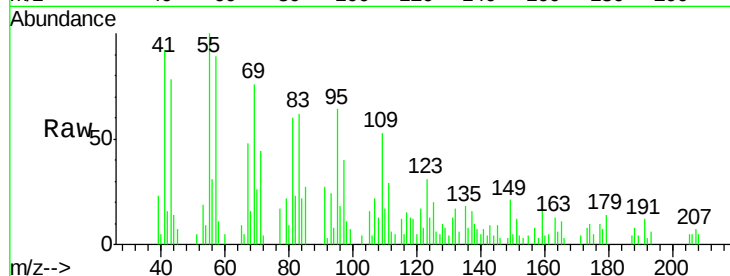
Tot Ion:138 Resp: 97

Ion Ratio Lower Upper

138 100

108 129.2 17.5 26.3#

92 34.7 105.8 158.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

800

600

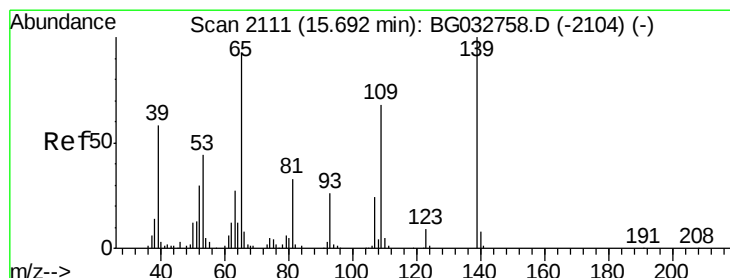
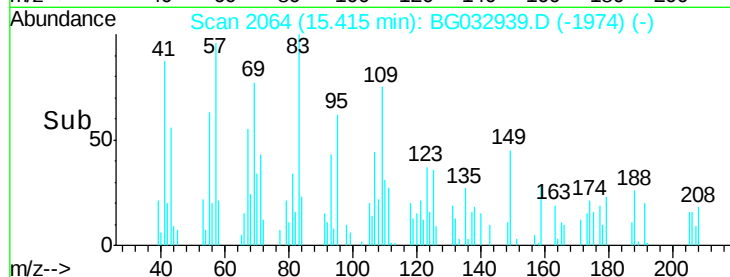
400

200

0

15.41 15.42

Time-->



#55

4-Nitrophenol

Concen: 7.181 ng

RT: 15.68 min Scan# 2109

Delta R.T. -0.00 min

Lab File: BG032939.D

Acq: 2 Mar 2018 6:11

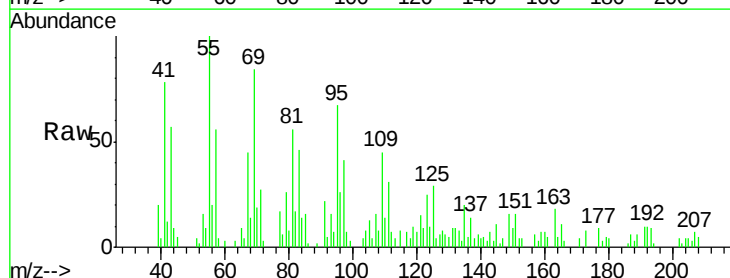
Tgt Ion:139 Resp: 218

Ion Ratio Lower Upper

139 100

109 758.6 62.2 102.2#

65 142.5 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

4000

3000

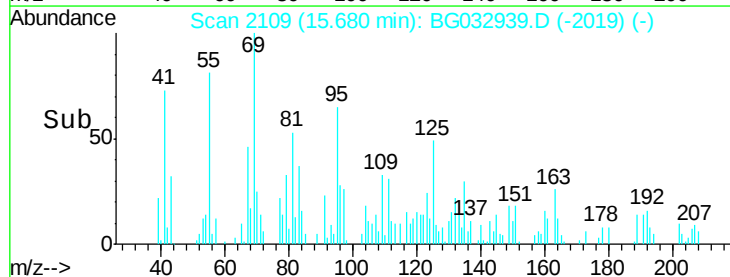
2000

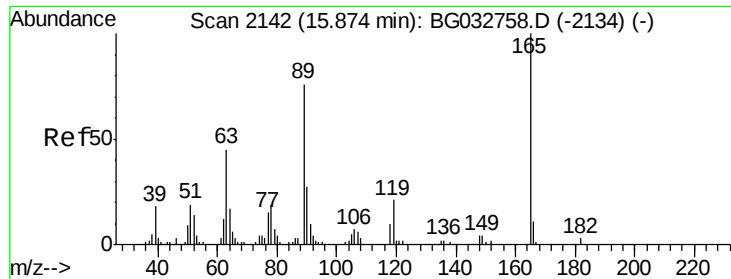
1000

0

15.66 15.68 15.70

Time-->

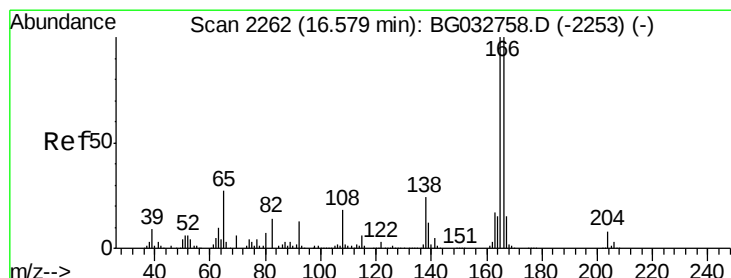
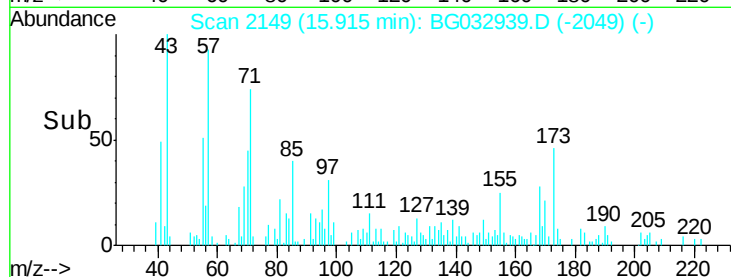
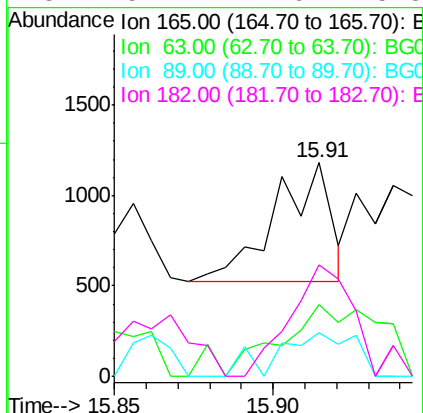
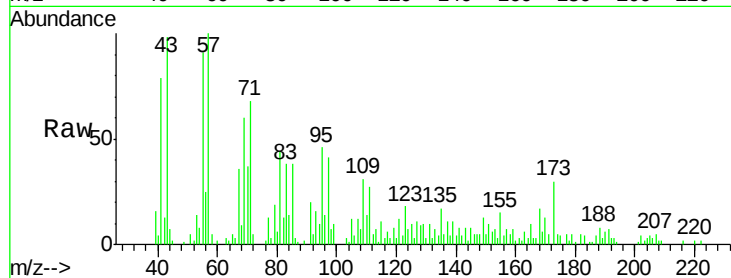




#56
 2,4-Dinitrotoluene
 Concen: 7.146 ng
 RT: 15.91 min Scan# 2149
 Delta R.T. 0.06 min
 Lab File: BG032939.D
 Acq: 2 Mar 2018 6:11

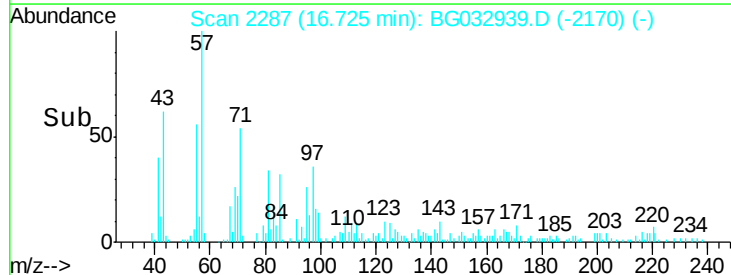
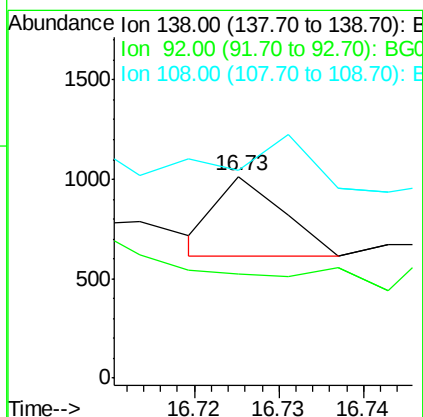
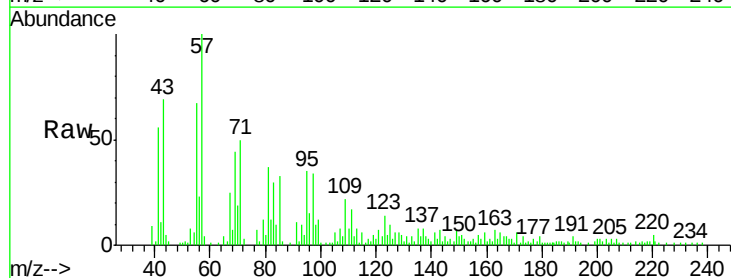
Instrument :
 BNA_G
 ClientSampled :

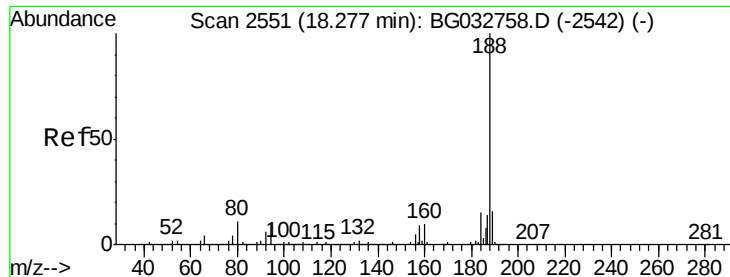
Tot Ion:165 Resp: 794
 Ion Ratio Lower Upper
 165 100
 63 33.5 42.0 63.0#
 89 20.1 66.9 100.3#
 182 52.4 2.6 3.8#



#61
 4-Nitroaniline
 Concen: 5.373 ng
 RT: 16.73 min Scan# 2287
 Delta R.T. 0.16 min
 Lab File: BG032939.D
 Acq: 2 Mar 2018 6:11

Tgt Ion:138 Resp: 215
 Ion Ratio Lower Upper
 138 100
 92 51.4 40.1 80.1
 108 103.2 65.4 105.4

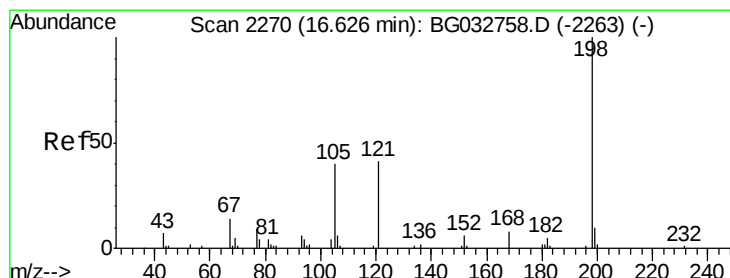
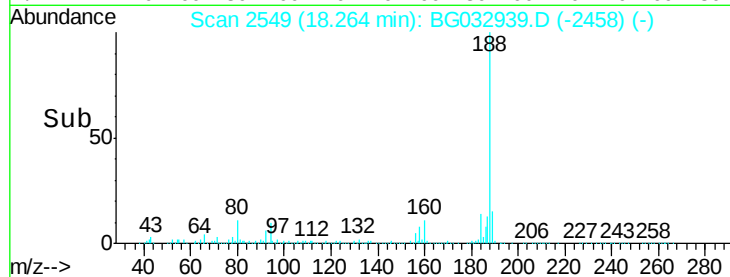
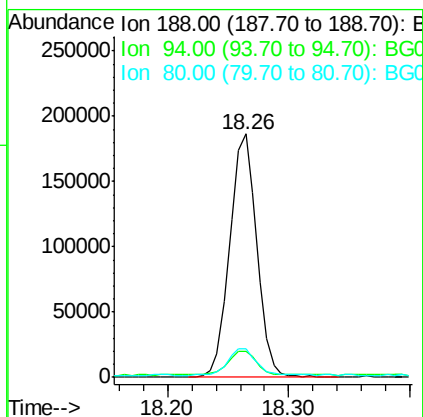
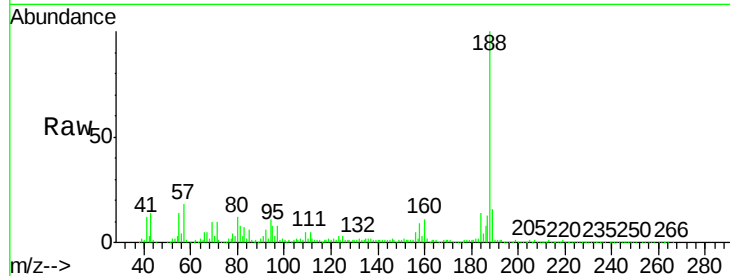




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: BG032939.D
 Acq: 2 Mar 2018 6:11

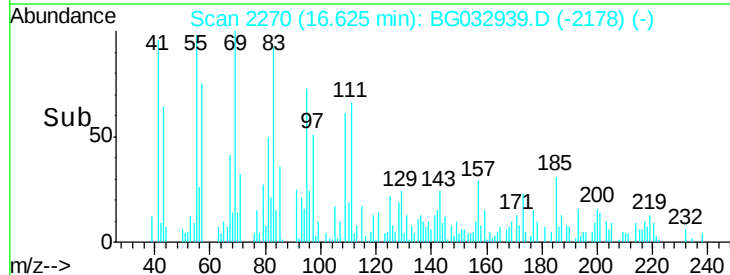
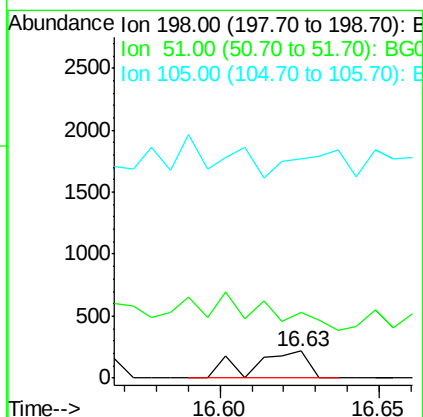
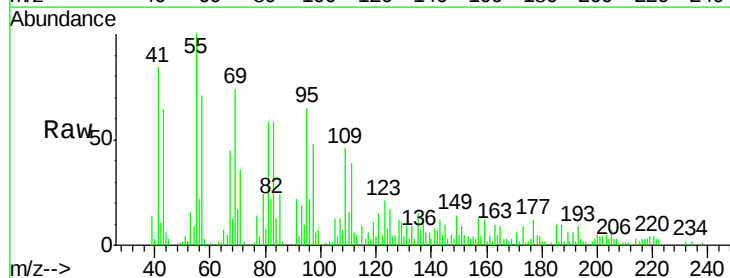
Instrument :
 BNA_G
 ClientSampleId :

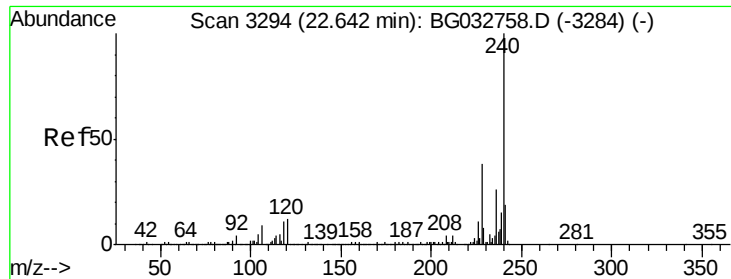
Tot Ion:188 Resp: 289793
 Ion Ratio Lower Upper
 188 100
 94 10.5 6.9 10.3#
 80 11.7 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.327 ng
 RT: 16.63 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: BG032939.D
 Acq: 2 Mar 2018 6:11

Tgt Ion:198 Resp: 258
 Ion Ratio Lower Upper
 198 100
 51 244.0 30.6 70.6#
 105 812.4 23.8 63.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.62 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BG032939.D

Acq: 2 Mar 2018 6:11

Instrument :

BNA_G

ClientSampleId :

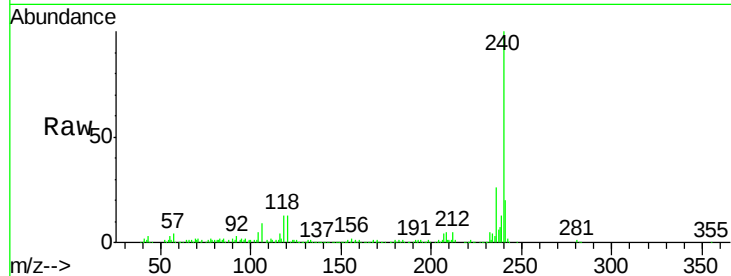
Tot Ion:240 Resp: 279579

Ion Ratio Lower Upper

240 100

120 12.5 6.8 10.2#

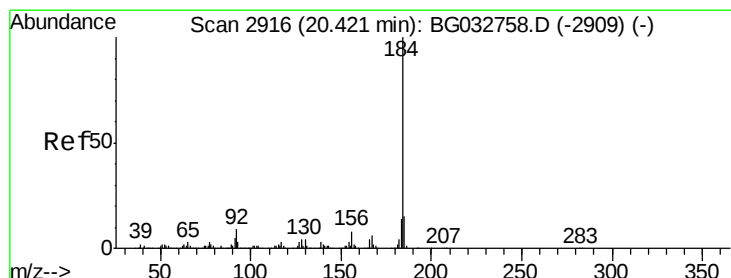
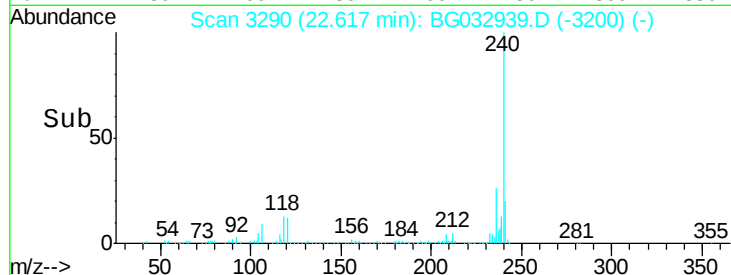
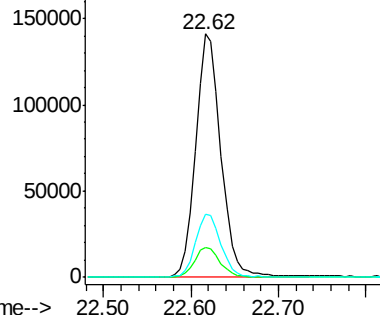
236 26.1 20.9 31.3



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: 2.392 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032939.D

Acq: 2 Mar 2018 6:11

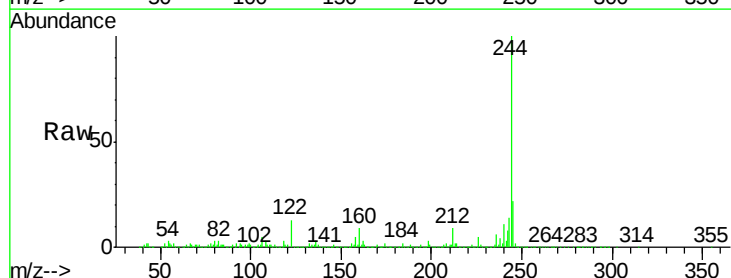
Tgt Ion:184 Resp: 22797

Ion Ratio Lower Upper

184 100

185 20.1 11.1 16.7#

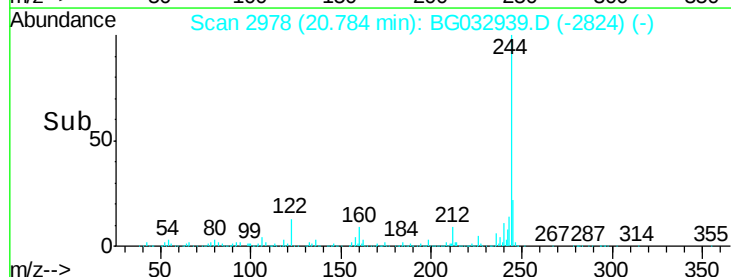
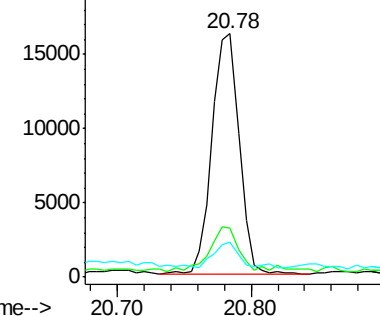
183 14.5 10.6 16.0

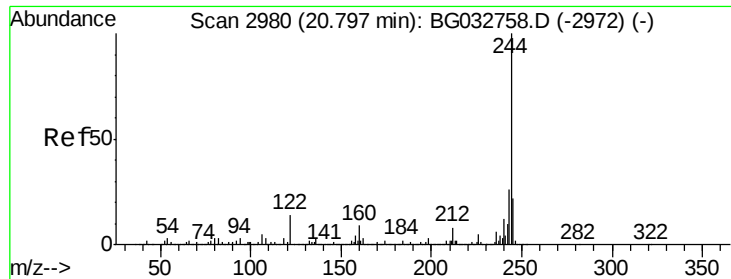


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 104.524 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.01 min

Lab File: BG032939.D

Acq: 2 Mar 2018 6:11

Instrument :

BNA_G

ClientSampled :

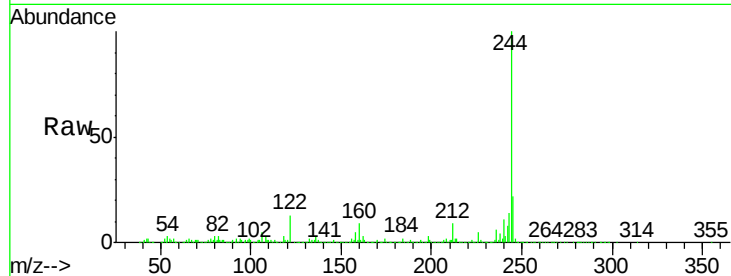
Tot Ion:244 Resp: 1300679

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

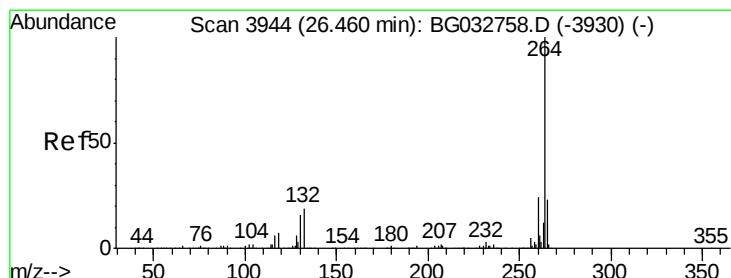
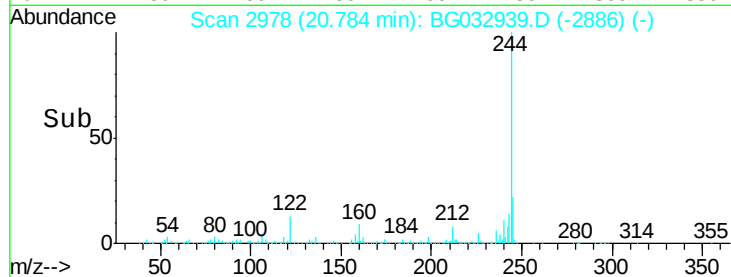
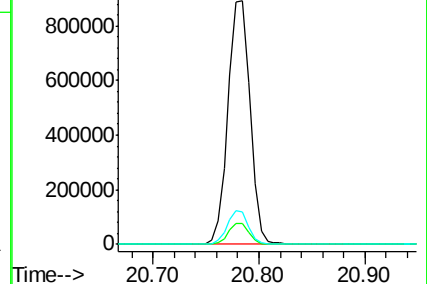
122 13.1 7.0 10.4#



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: 26.43 min Scan# 3939

Delta R.T. 0.00 min

Lab File: BG032939.D

Acq: 2 Mar 2018 6:11

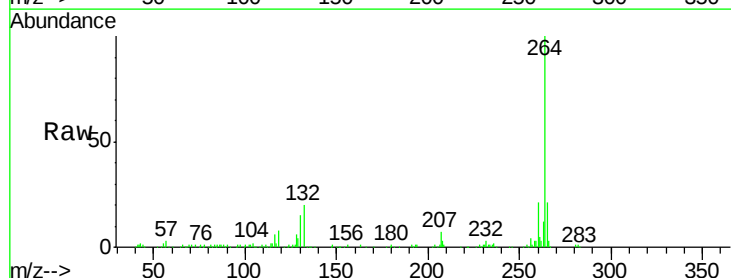
Tgt Ion:264 Resp: 274780

Ion Ratio Lower Upper

264 100

260 21.1 17.4 26.0

265 21.1 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

