

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033139.D
 Acq On : 14 Mar 2018 6:36
 Operator : SJ/JU
 Sample : J1898-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 11:49:48 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	46291	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	203075	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	112512	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	239785	20.00	ng	0.00
75) Chrysene-d12	22.61	240	223235	20.00	ng	0.00
86) Perylene-d12	26.42	264	196079	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	6.33	112	407364	140.79	ng	0.00
7) Phenol-d6	8.02	99	506132	125.50	ng	0.01
23) Nitrobenzene-d5	10.11	82	374880	123.08	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	150228	126.99	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	773141	99.11	ng	0.00
78) Terphenyl-d14	20.77	244	1140155	114.75	ng	0.00

Target Compounds

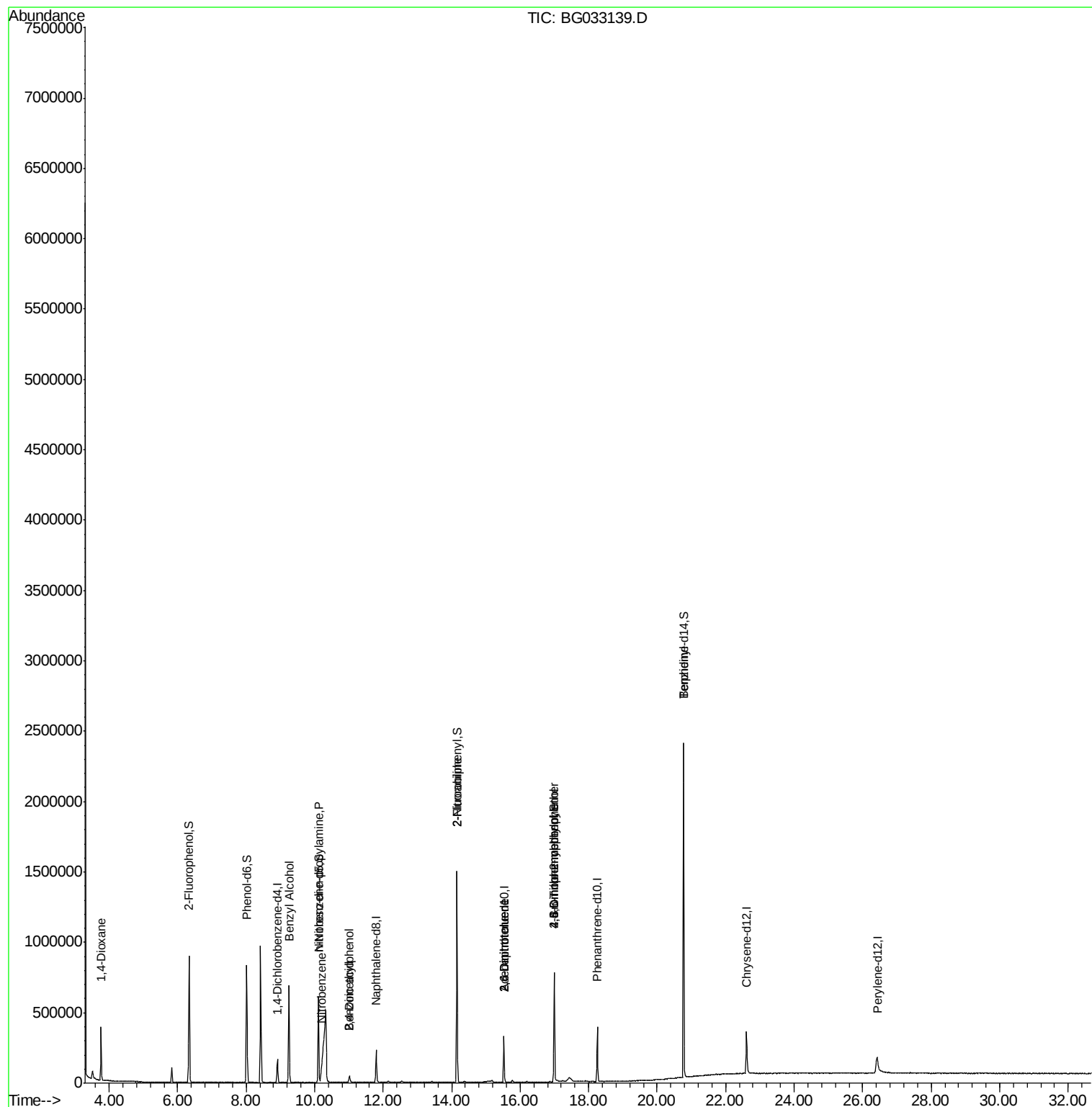
						Qvalue
2) 1,4-Dioxane	3.76	88	6668	5.310	ng	# 1
15) Benzyl Alcohol	9.25	79	6451	2.176	ng	# 45
19) n-Nitroso-di-n-propylamine	10.11	70	50202	17.632	ng	# 88
24) Nitrobenzene	10.19	77	261	6.450	ng	# 42
27) 2,4-Dimethylphenol	11.01	122	21744	7.022	ng	# 1
32) Benzoic acid	11.01	122	21744	18.201	ng	# 86
47) 2-Nitroaniline	14.15	65	1337	10.410	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	14420	16.327	ng	# 22
56) 2,4-Dinitrotoluene	15.53	165	14420	14.525	ng	# 20
64) 4,6-Dinitro-2-methylphenol	17.00	198	157	5.227	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	10109	3.987	ng	# 1
76) Benzidine	20.77	184	19689	2.587	ng	# 88

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

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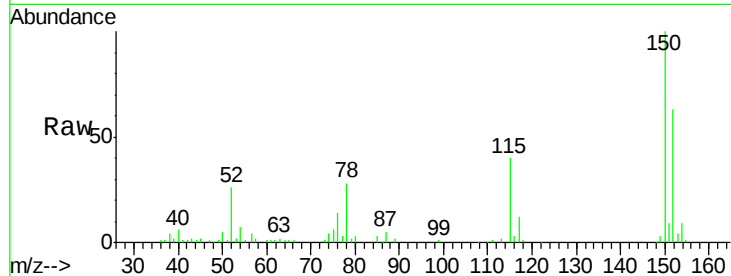


#1

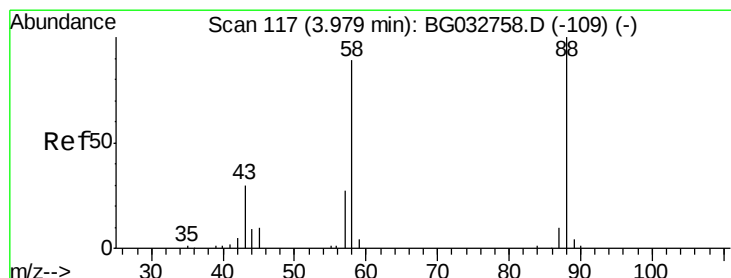
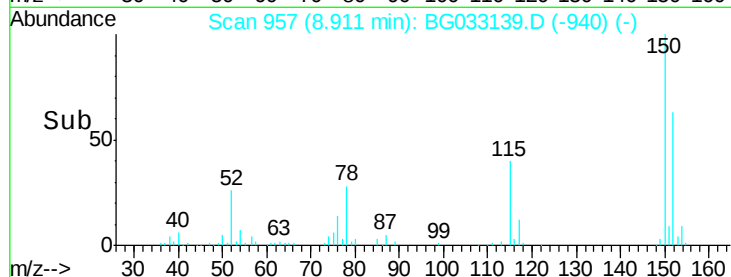
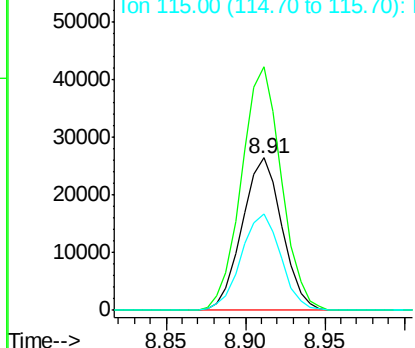
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG033139.D
Acq: 14 Mar 2018 6:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 46291
Ion Ratio Lower Upper
152 100
150 159.8 126.6 189.8
115 63.2 53.0 79.4



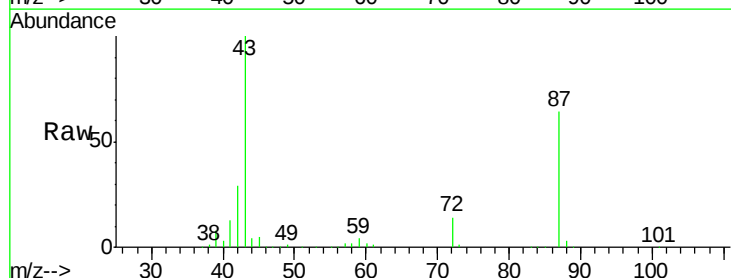
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



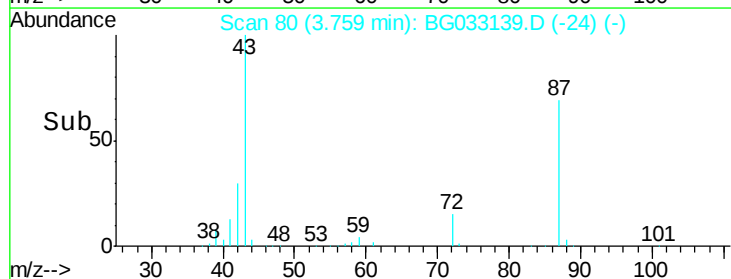
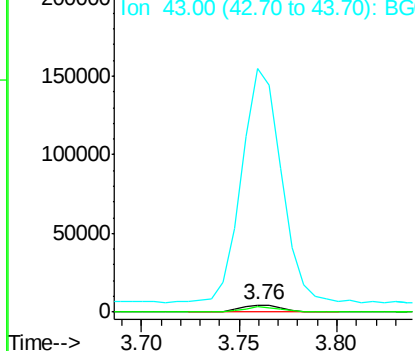
#2

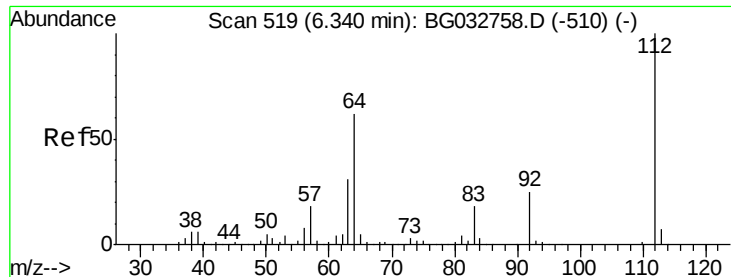
1,4-Dioxane
Concen: 5.310 ng
RT: 3.76 min Scan# 80
Delta R.T. -0.20 min
Lab File: BG033139.D
Acq: 14 Mar 2018 6:36

Tgt Ion: 88 Resp: 6668
Ion Ratio Lower Upper
88 100
58 60.4 79.6 119.4#
43 3244.3 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

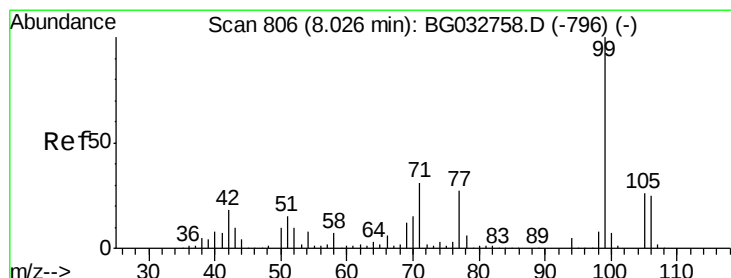
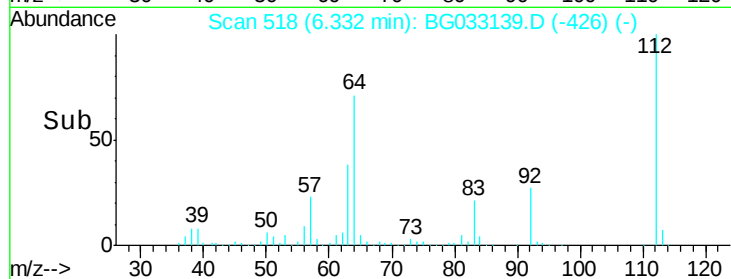
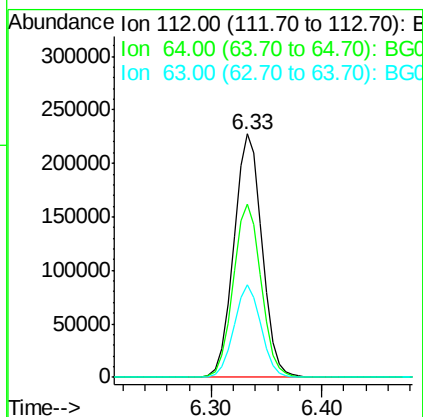
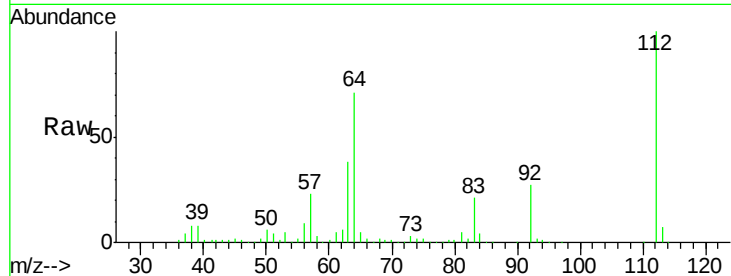




#5
 2-Fluorophenol
 Concen: 140.788 ng
 RT: 6.33 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: BG033139.D
 Acq: 14 Mar 2018 6:36

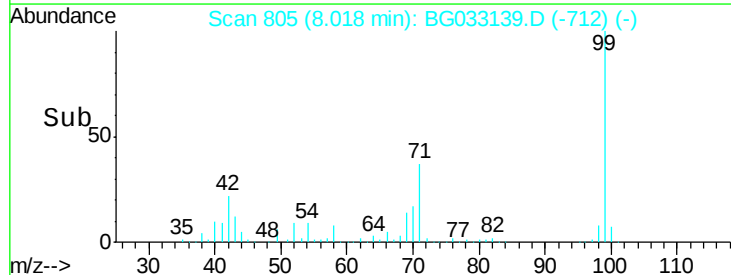
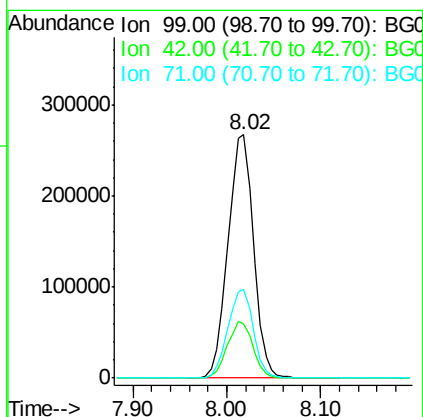
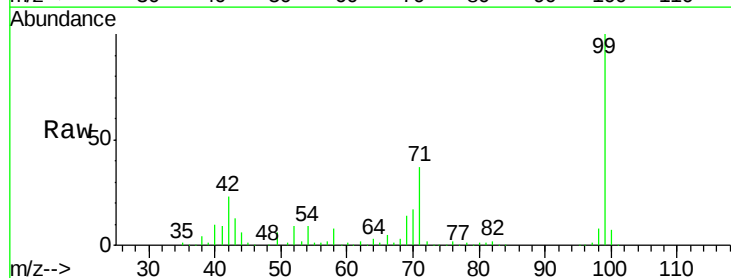
Instrument :
 BNA_G
 ClientSampleId :

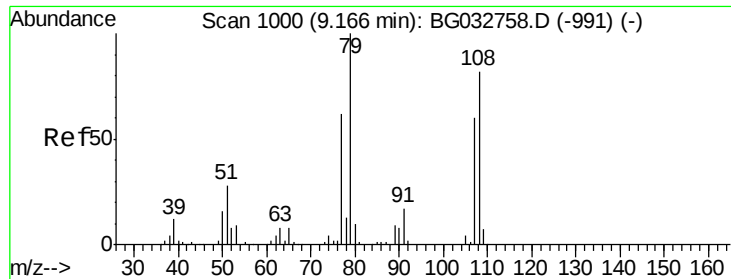
Tot Ion	Ratio	Lower	Upper
112	100		
64	71.3	56.3	84.5
63	38.0	30.1	45.1



#7
 Phenol-d6
 Concen: 125.496 ng
 RT: 8.02 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: BG033139.D
 Acq: 14 Mar 2018 6:36

Tgt Ion	Ratio	Lower	Upper
99	100		
42	22.5	14.1	21.1#
71	36.6	26.1	39.1

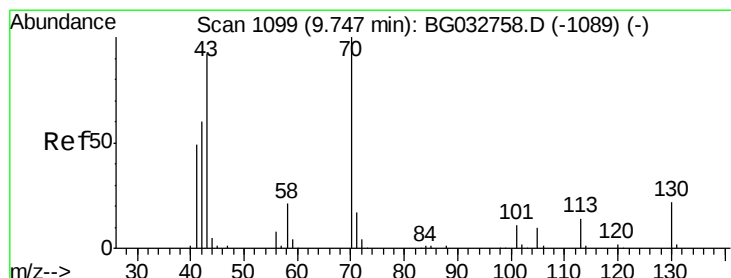
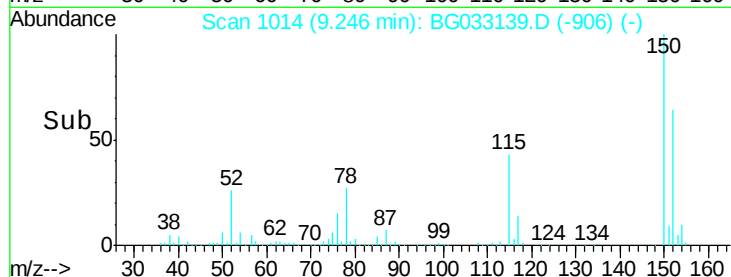
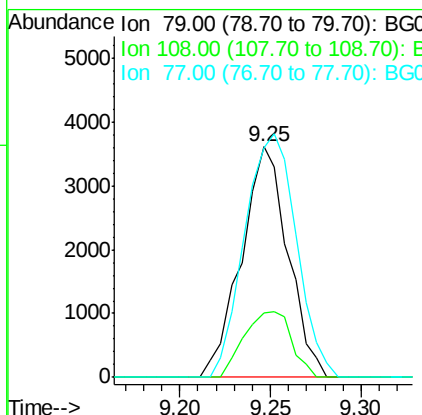
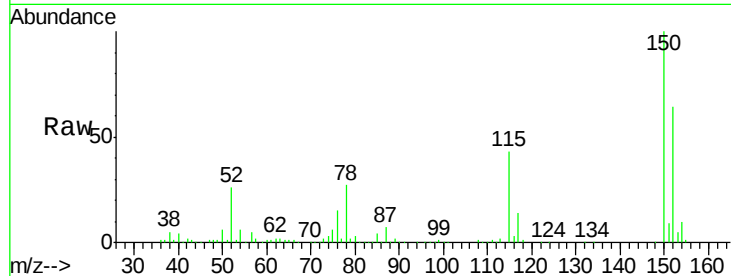




#15
Benzyl Alcohol
Concen: 2.176 ng
RT: 9.25 min Scan# 1014
Delta R.T. 0.10 min
Lab File: BG033139.D
Acq: 14 Mar 2018 6:36

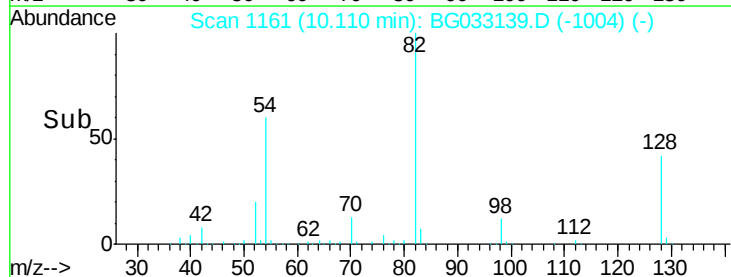
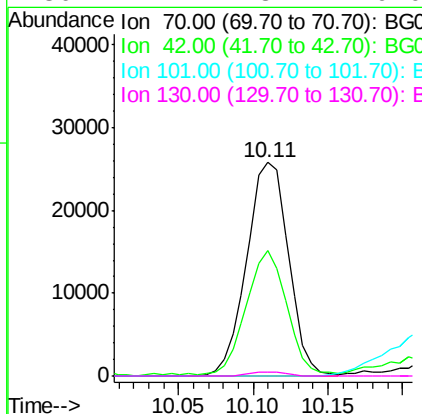
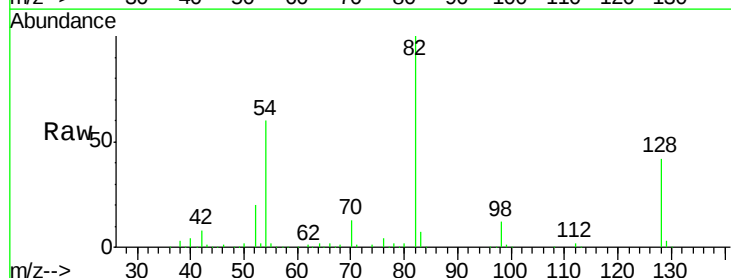
Instrument :
BNA_G
ClientSampled :

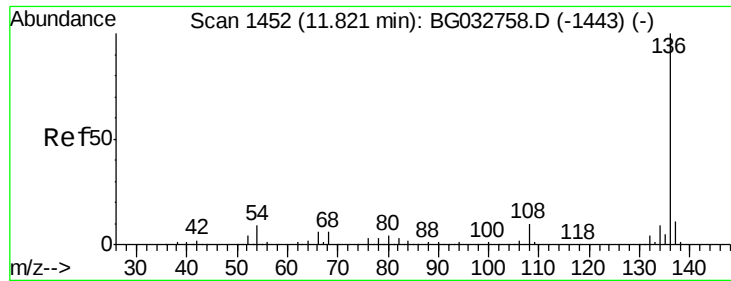
Tot Ion: 79 Resp: 6451
Ion Ratio Lower Upper
79 100
108 27.9 57.2 85.8#
77 99.8 46.1 69.1#



#19
n-Nitroso-di-n-propylamine
Concen: 17.632 ng
RT: 10.11 min Scan# 1161
Delta R.T. 0.39 min
Lab File: BG033139.D
Acq: 14 Mar 2018 6:36

Tgt Ion: 70 Resp: 50202
Ion Ratio Lower Upper
70 100
42 59.0 49.1 73.7
101 0.0 8.5 12.7#
130 1.7 13.4 20.0#

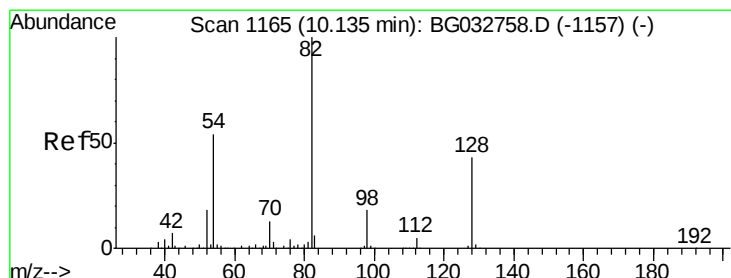
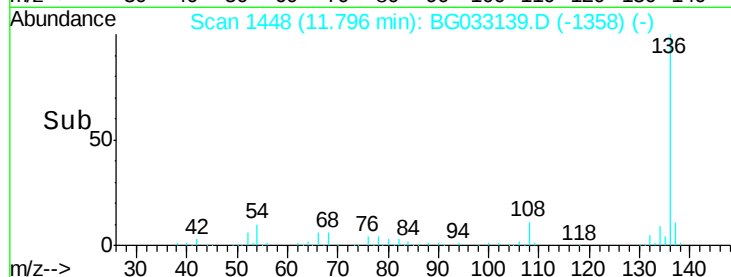
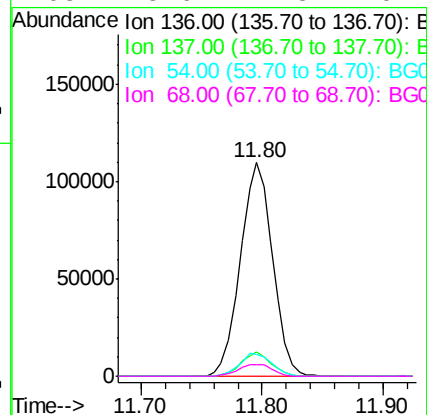
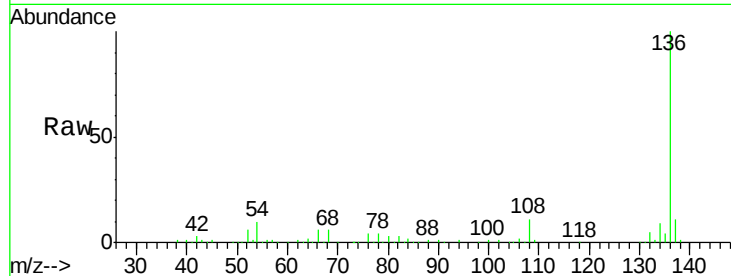




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033139.D
Acq: 14 Mar 2018 6:36

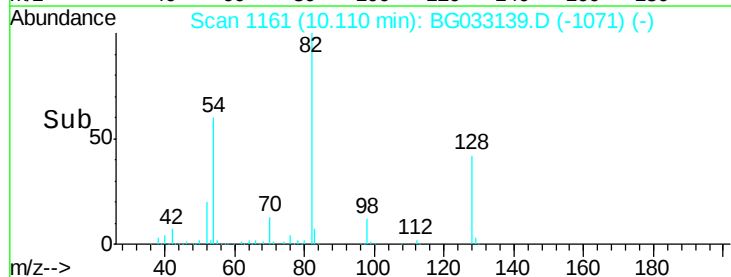
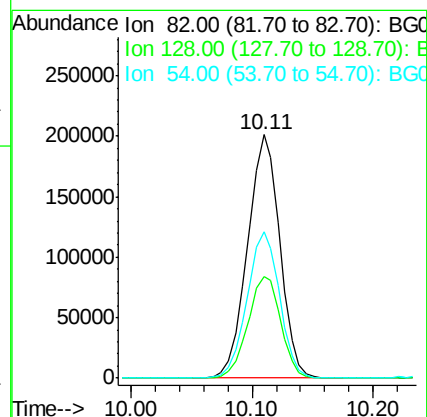
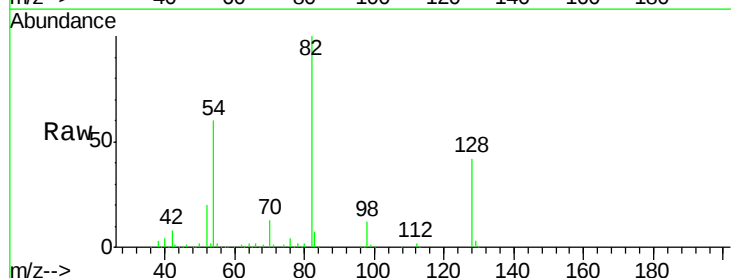
Instrument :
BNA_G
ClientSampleId :

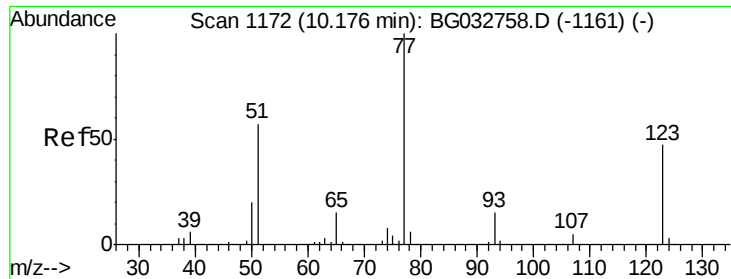
Tot Ion:136	Resp:	203075
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.2 13.8
54	10.1	10.3 15.5
68	5.6	4.5 6.7



#23
Nitrobenzene-d5
Concen: 123.078 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033139.D
Acq: 14 Mar 2018 6:36

Tgt Ion: 82	Resp:	374880
Ion Ratio	Lower	Upper
82	100	
128	41.8	29.7 44.5
54	60.2	43.1 64.7

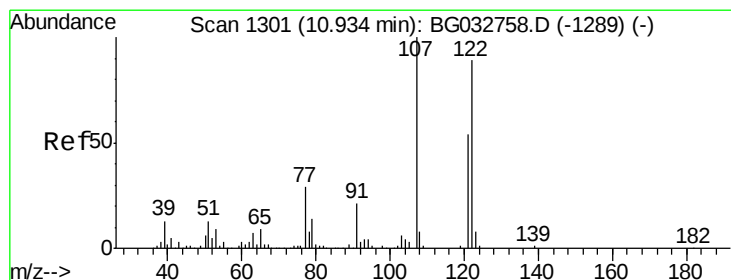
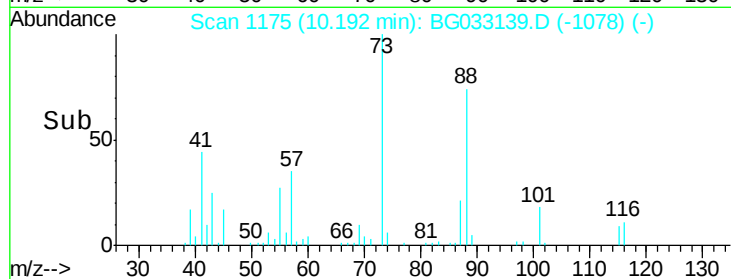
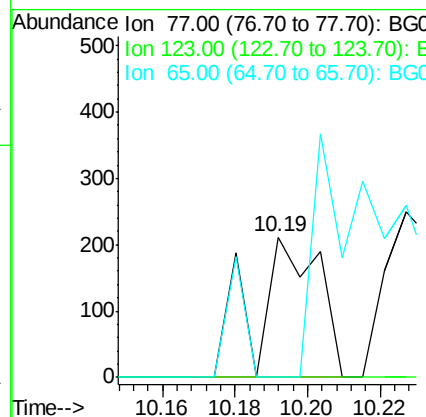
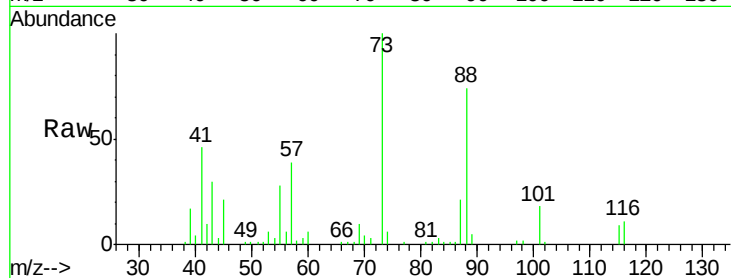




#24
Nitrobenzene
Concen: 6.450 ng
RT: 10.19 min Scan# 1175
Delta R.T. 0.04 min
Lab File: BG033139.D
Acq: 14 Mar 2018 6:36

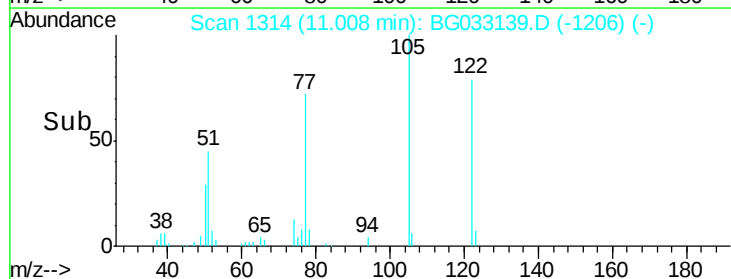
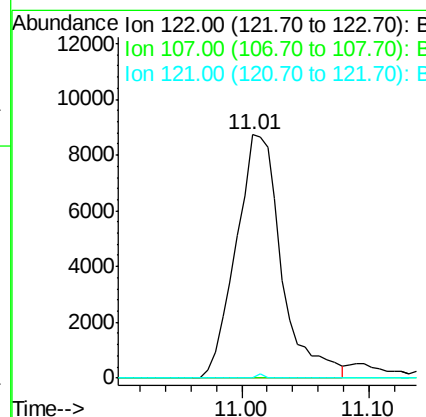
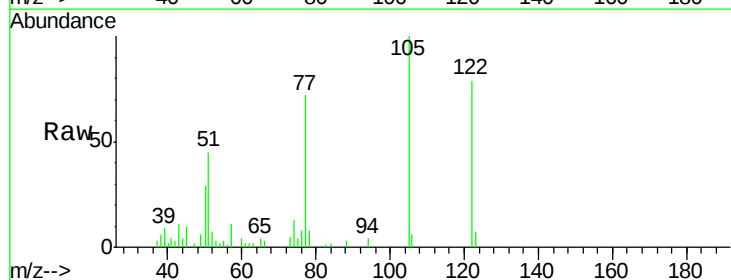
Instrument :
BNA_G
ClientSampled :

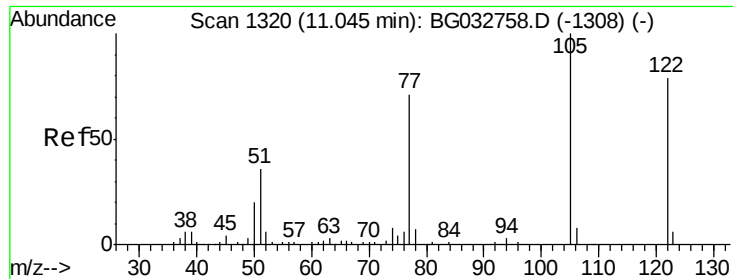
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	0.0	13.0	19.6#



#27
2,4-Dimethylphenol
Concen: 7.022 ng
RT: 11.01 min Scan# 1314
Delta R.T. 0.10 min
Lab File: BG033139.D
Acq: 14 Mar 2018 6:36

Tgt Ion	Ratio	Lower	Upper
122	100		
107	0.0	100.2	150.2#
121	0.0	44.4	66.6#

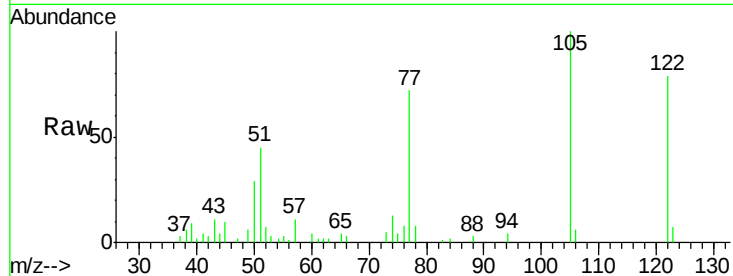




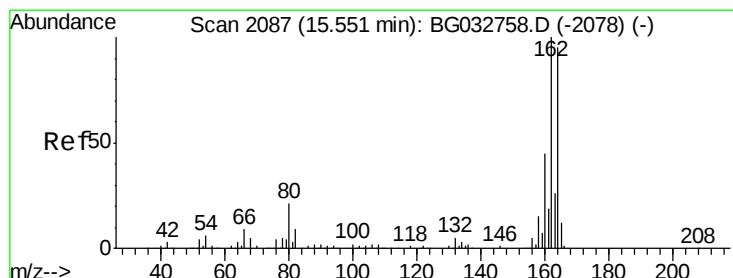
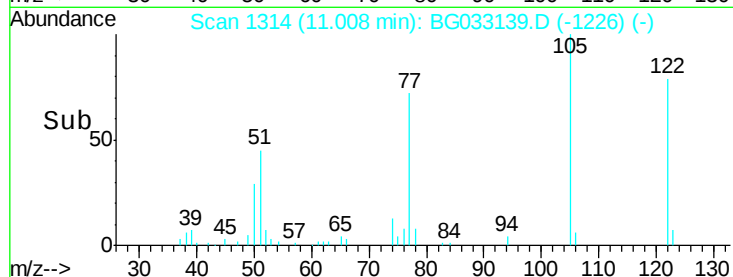
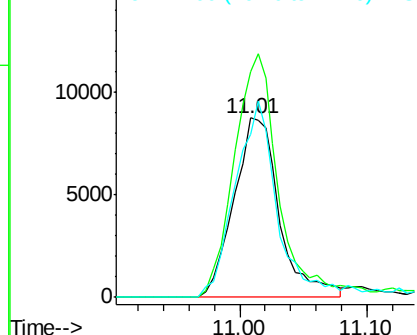
#32
Benzoic acid
Concen: 18.201 ng
RT: 11.01 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BG033139.D
Acq: 14 Mar 2018 6:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 21744
Ion Ratio Lower Upper
122 100
105 125.9 123.5 163.5
77 91.2 85.7 125.7

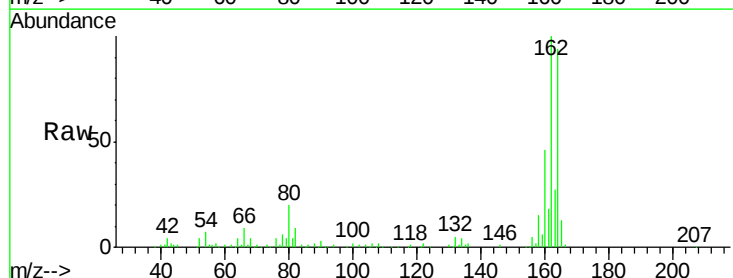


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

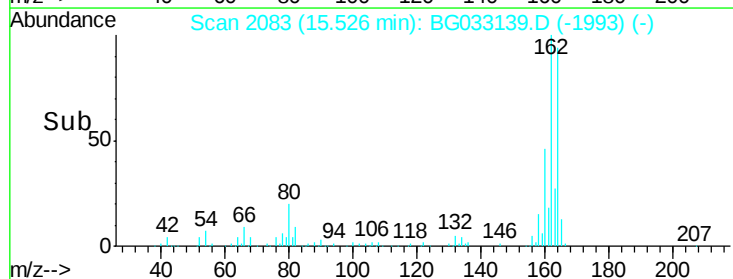
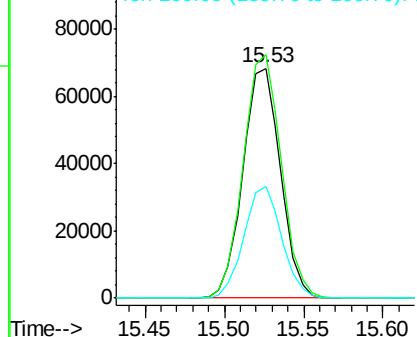


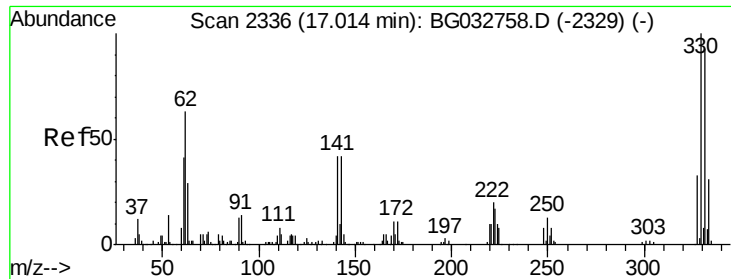
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BG033139.D
Acq: 14 Mar 2018 6:36

Tgt Ion:164 Resp: 112512
Ion Ratio Lower Upper
164 100
162 105.9 78.8 118.2
160 48.7 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

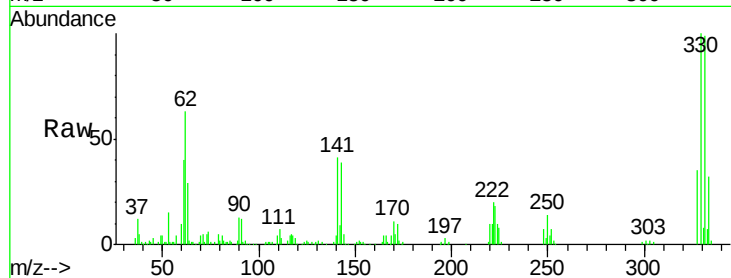




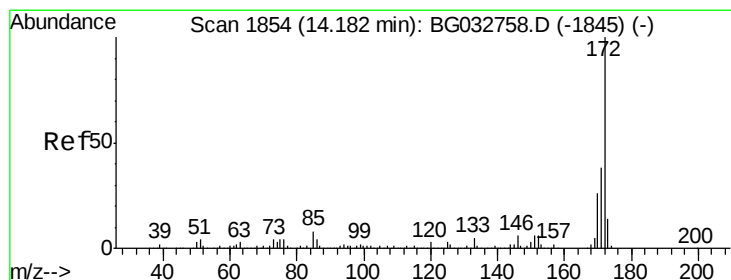
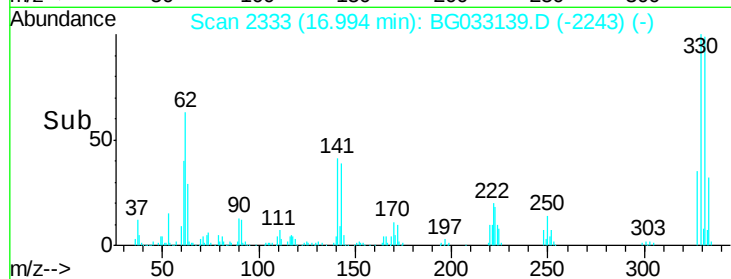
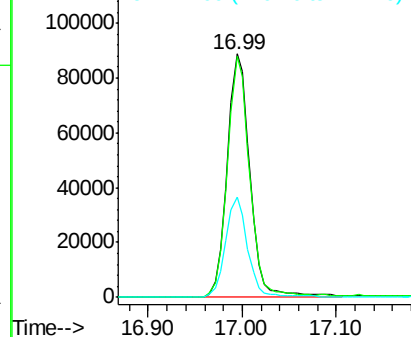
#41
 2,4,6-Tribromophenol
 Concen: 126.986 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: BG033139.D
 Acq: 14 Mar 2018 6:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 150228
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 39.5 25.2 37.8#

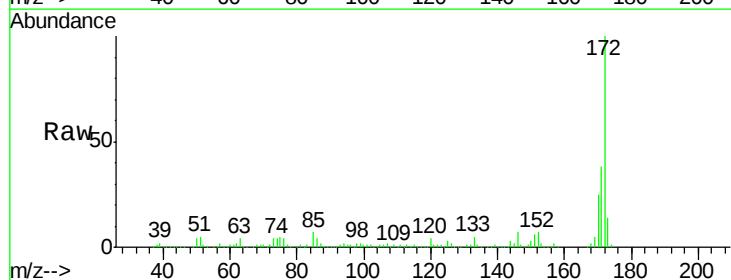


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

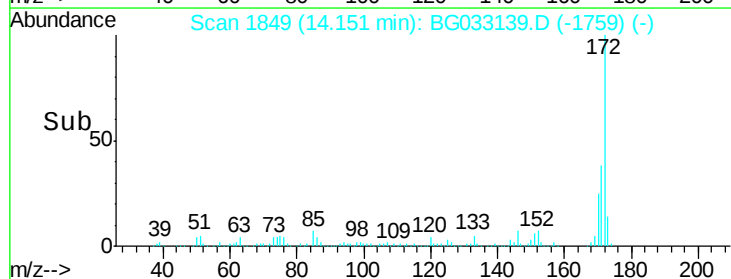
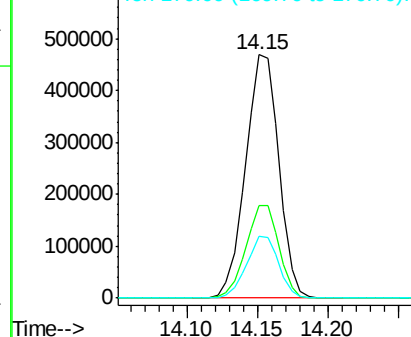


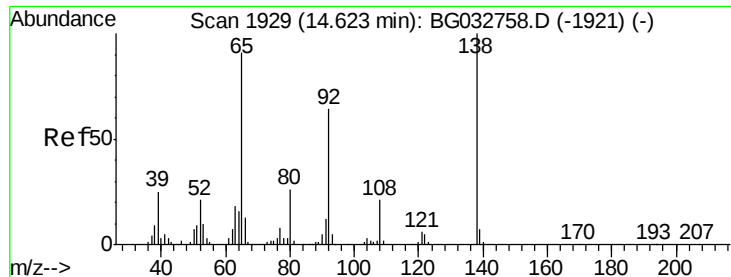
#44
 2-Fluorobiphenyl
 Concen: 99.106 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BG033139.D
 Acq: 14 Mar 2018 6:36

Tgt Ion:172 Resp: 773141
 Ion Ratio Lower Upper
 172 100
 171 38.2 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: 10.410 ng

RT: 14.15 min Scan# 1849

Delta R.T. -0.45 min

Lab File: BG033139.D

Acq: 14 Mar 2018 6:36

Instrument :

BNA_G

ClientSampled :

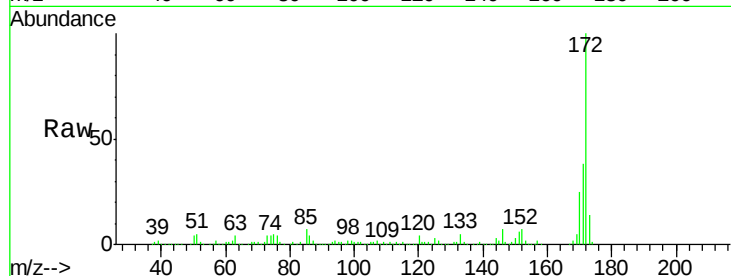
Tot Ion: 65 Resp: 1337

Ion Ratio Lower Upper

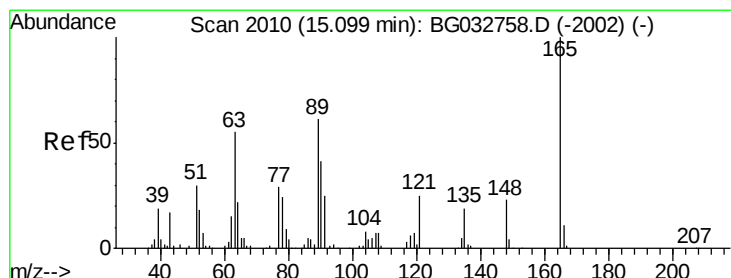
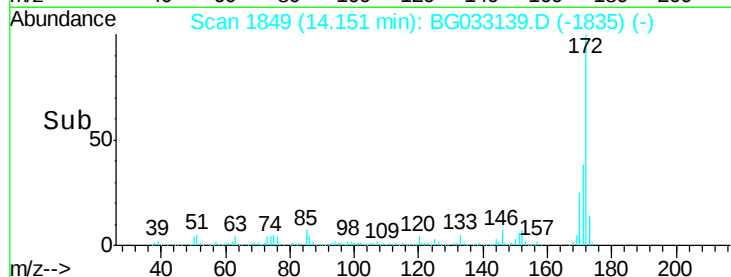
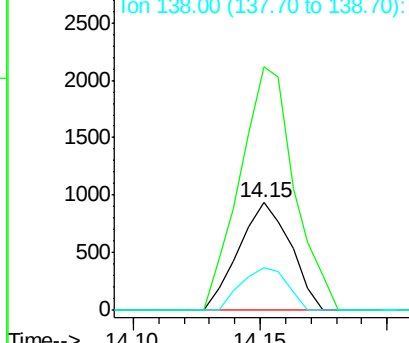
65 100

92 226.6 54.6 82.0#

138 40.3 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): BGC



#50

2,6-Dinitrotoluene

Concen: 16.327 ng

RT: 15.53 min Scan# 2083

Delta R.T. 0.44 min

Lab File: BG033139.D

Acq: 14 Mar 2018 6:36

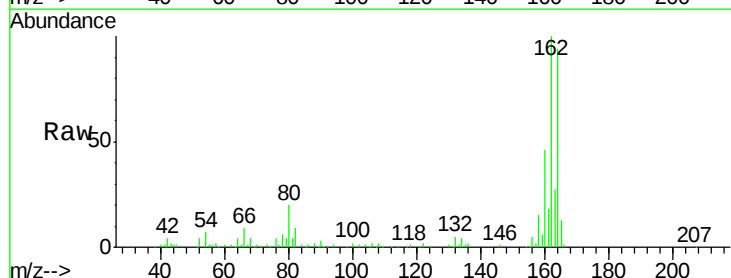
Tgt Ion: 165 Resp: 14420

Ion Ratio Lower Upper

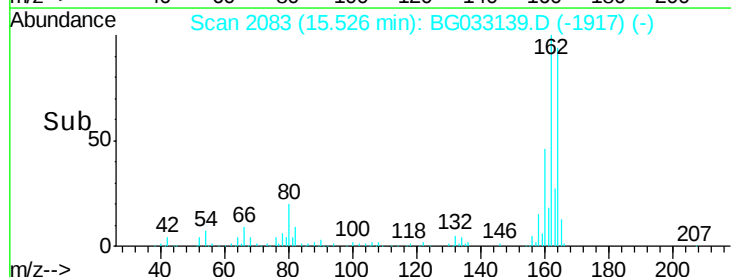
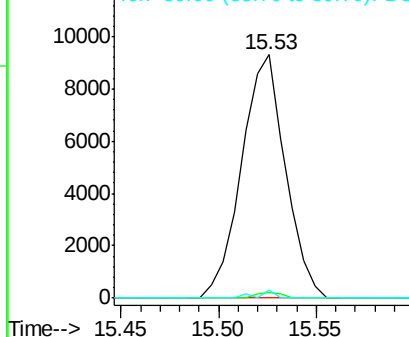
165 100

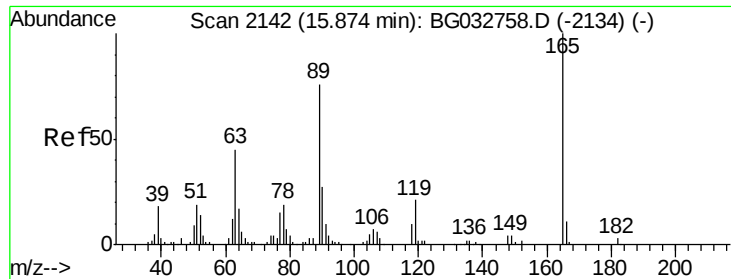
63 2.3 52.7 79.1#

89 3.3 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

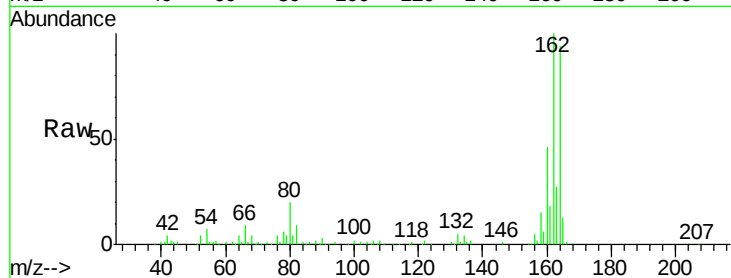




#56
 2,4-Dinitrotoluene
 Concen: 14.525 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. -0.33 min
 Lab File: BG033139.D
 Acq: 14 Mar 2018 6:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	14420
Ion Ratio	Lower	Upper	
165	100		
63	2.3	42.0	63.0#
89	3.3	66.9	100.3#
182	0.0	2.6	3.8#

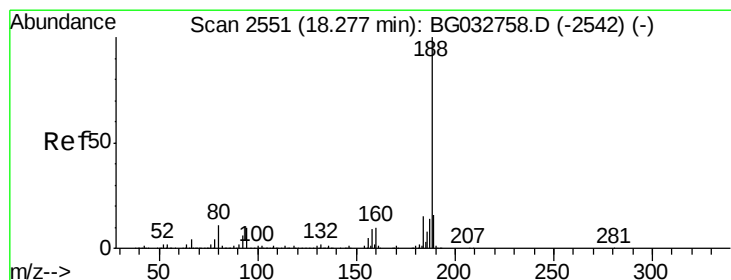
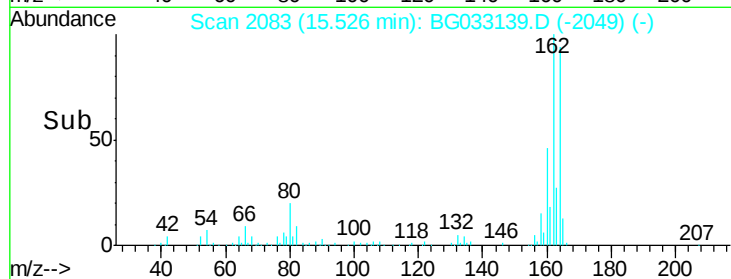
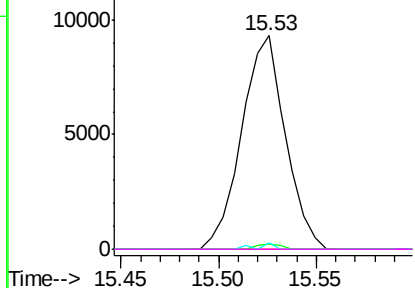


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

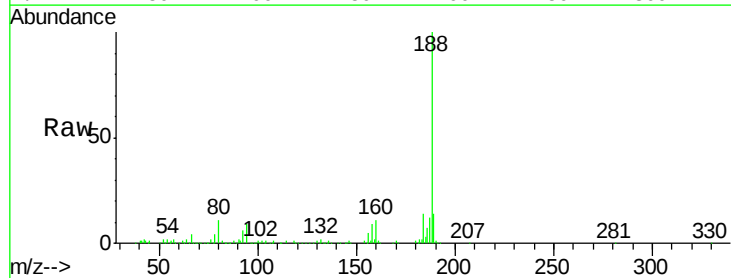
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.00 min
 Lab File: BG033139.D
 Acq: 14 Mar 2018 6:36

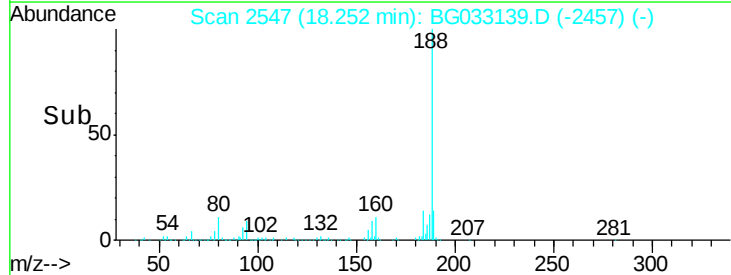
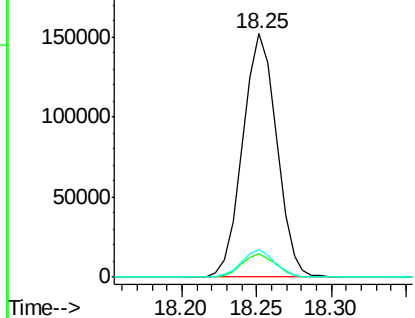
Tgt Ion:	188	Resp:	239785
Ion Ratio	Lower	Upper	
188	100		
94	9.5	6.9	10.3
80	11.4	7.7	11.5

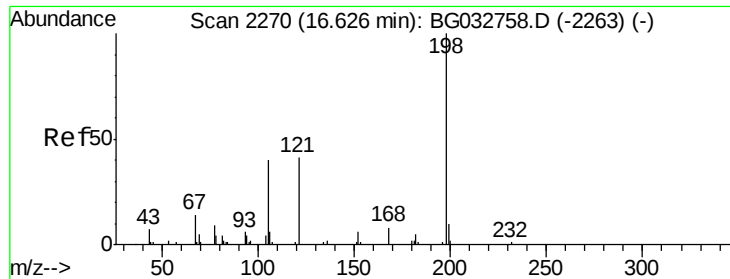


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.227 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.39 min

Lab File: BG033139.D

Acq: 14 Mar 2018 6:36

Instrument :

BNA_G

ClientSampleId :

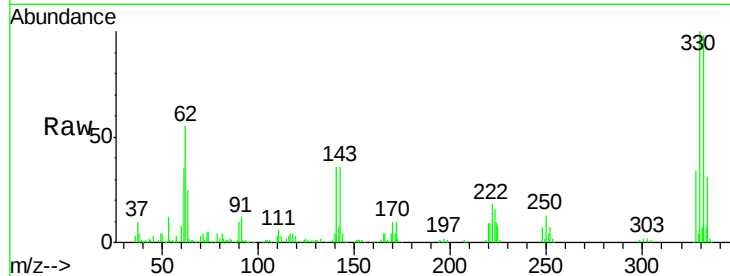
Tot Ion:198 Resp: 157

Ion Ratio Lower Upper

198 100

51 147.0 30.6 70.6#

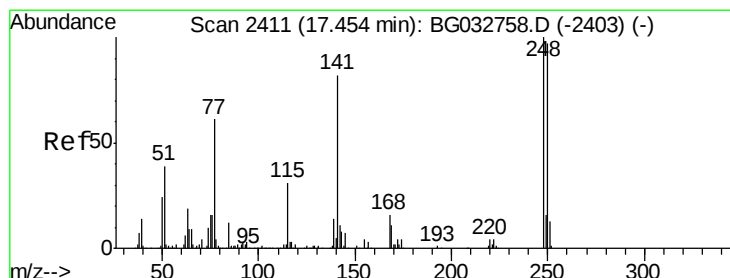
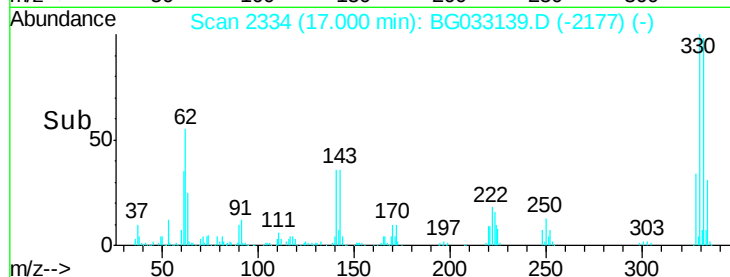
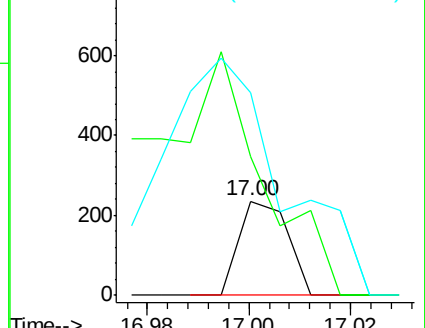
105 214.4 23.8 63.8#



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: 3.987 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.43 min

Lab File: BG033139.D

Acq: 14 Mar 2018 6:36

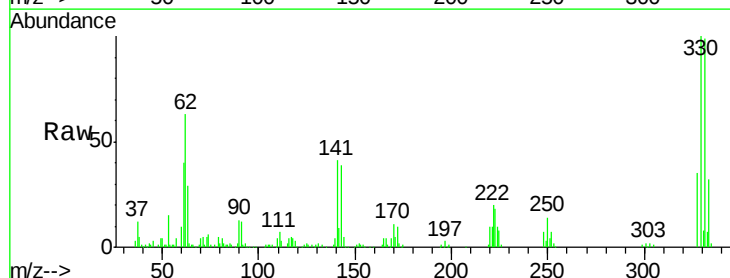
Tgt Ion:248 Resp: 10109

Ion Ratio Lower Upper

248 100

250 184.4 77.1 115.7#

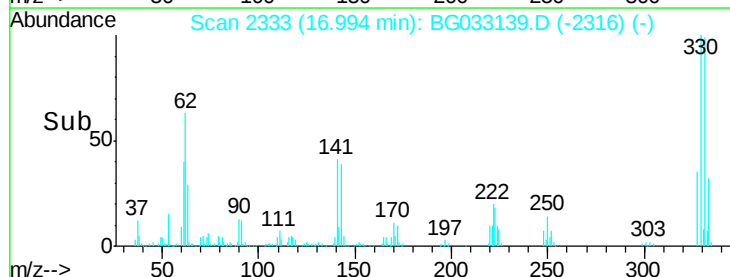
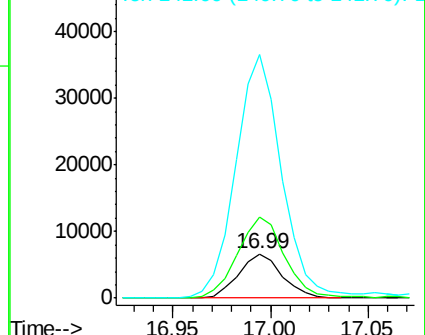
141 550.8 50.8 76.2#

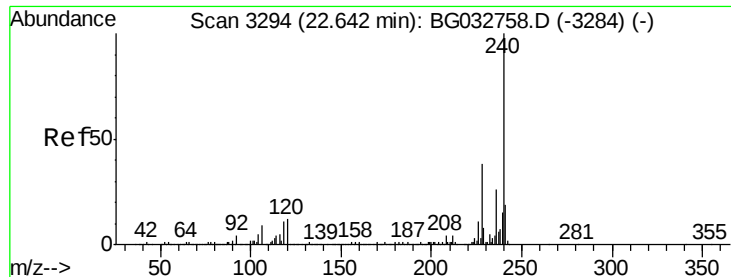


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.61 min Scan# 3289

Delta R.T. 0.00 min

Lab File: BG033139.D

Acq: 14 Mar 2018 6:36

Instrument :

BNA_G

ClientSampled :

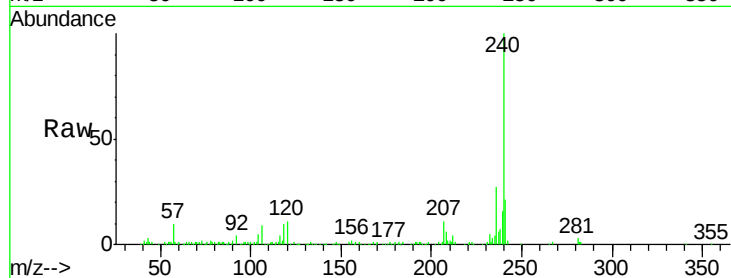
Tot Ion:240 Resp: 223235

Ion Ratio Lower Upper

240 100

120 11.2 6.8 10.2#

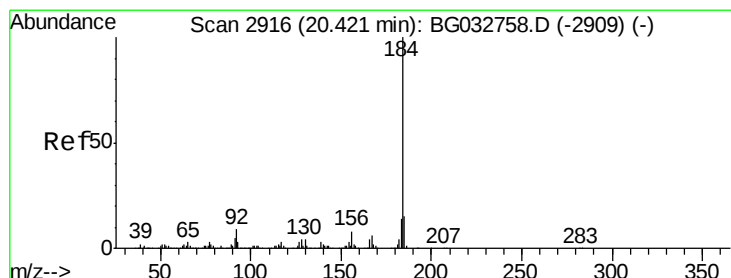
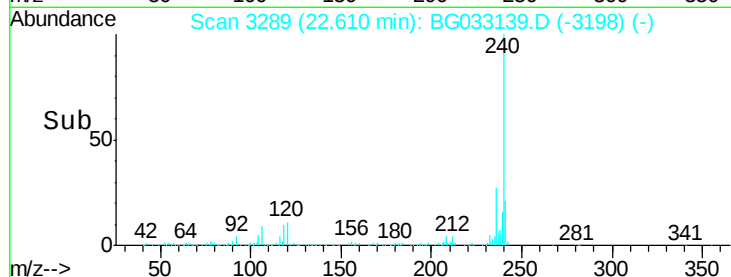
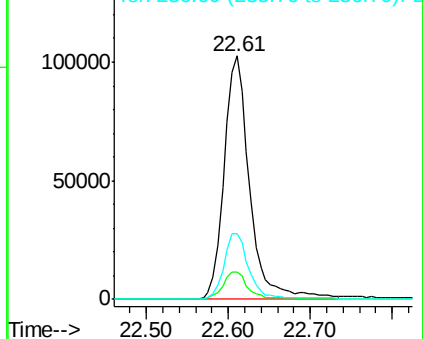
236 26.9 20.9 31.3



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: 2.587 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.37 min

Lab File: BG033139.D

Acq: 14 Mar 2018 6:36

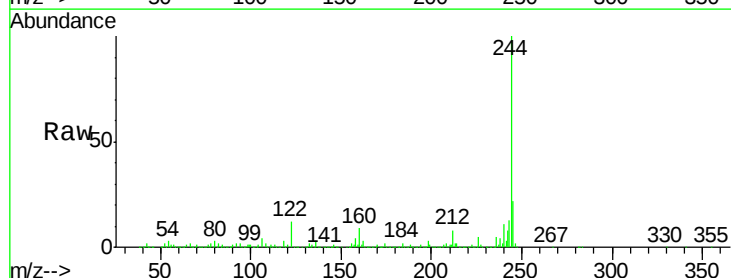
Tgt Ion:184 Resp: 19689

Ion Ratio Lower Upper

184 100

185 19.8 11.1 16.7#

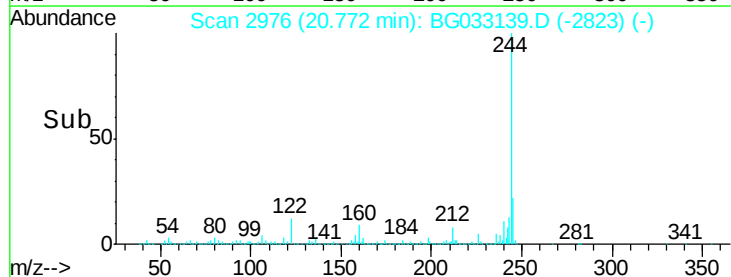
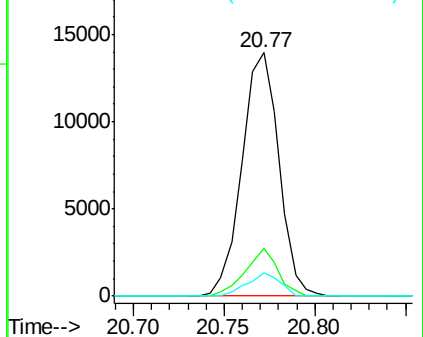
183 9.5 10.6 16.0#

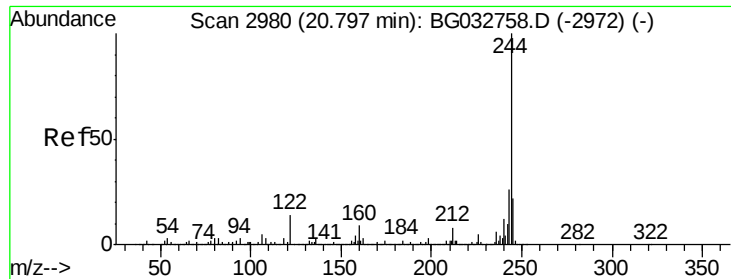


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 114.750 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033139.D

Acq: 14 Mar 2018 6:36

Instrument :

BNA_G

ClientSampleId :

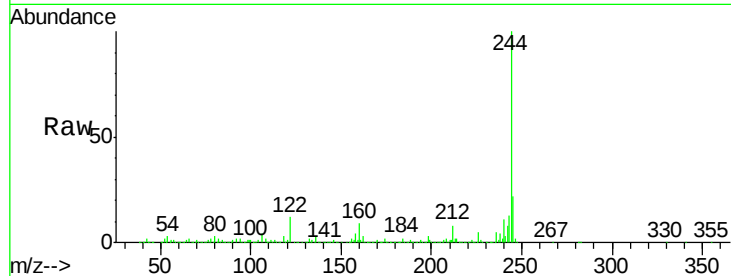
Tot Ion:244 Resp: 1140155

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

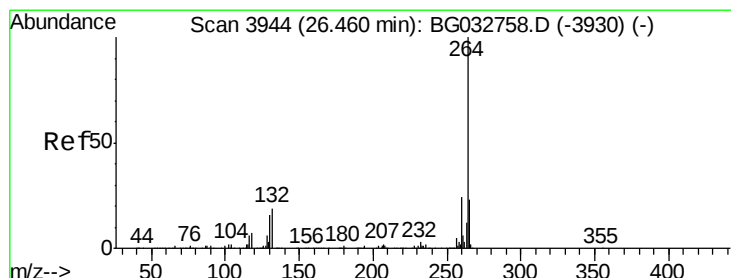
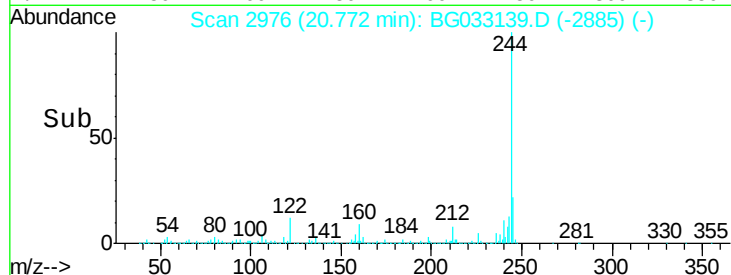
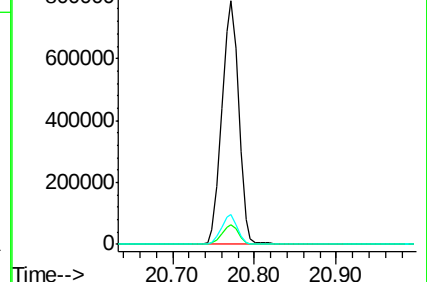
122 12.1 7.0 10.4#



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: 26.42 min Scan# 3937

Delta R.T. 0.01 min

Lab File: BG033139.D

Acq: 14 Mar 2018 6:36

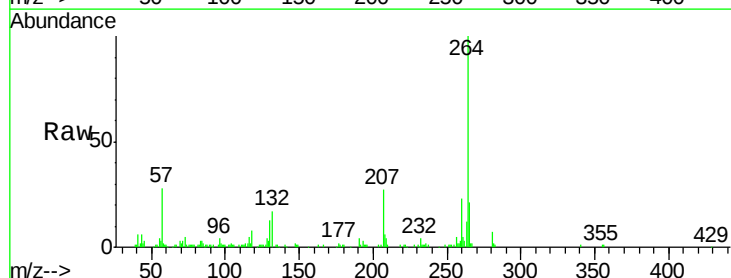
Tgt Ion:264 Resp: 196079

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 21.0 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

