

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022618\
 Data File : BG032834.D
 Acq On : 26 Feb 2018 23:25
 Operator : SJ/JU
 Sample : J1686-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 27 03:38:14 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

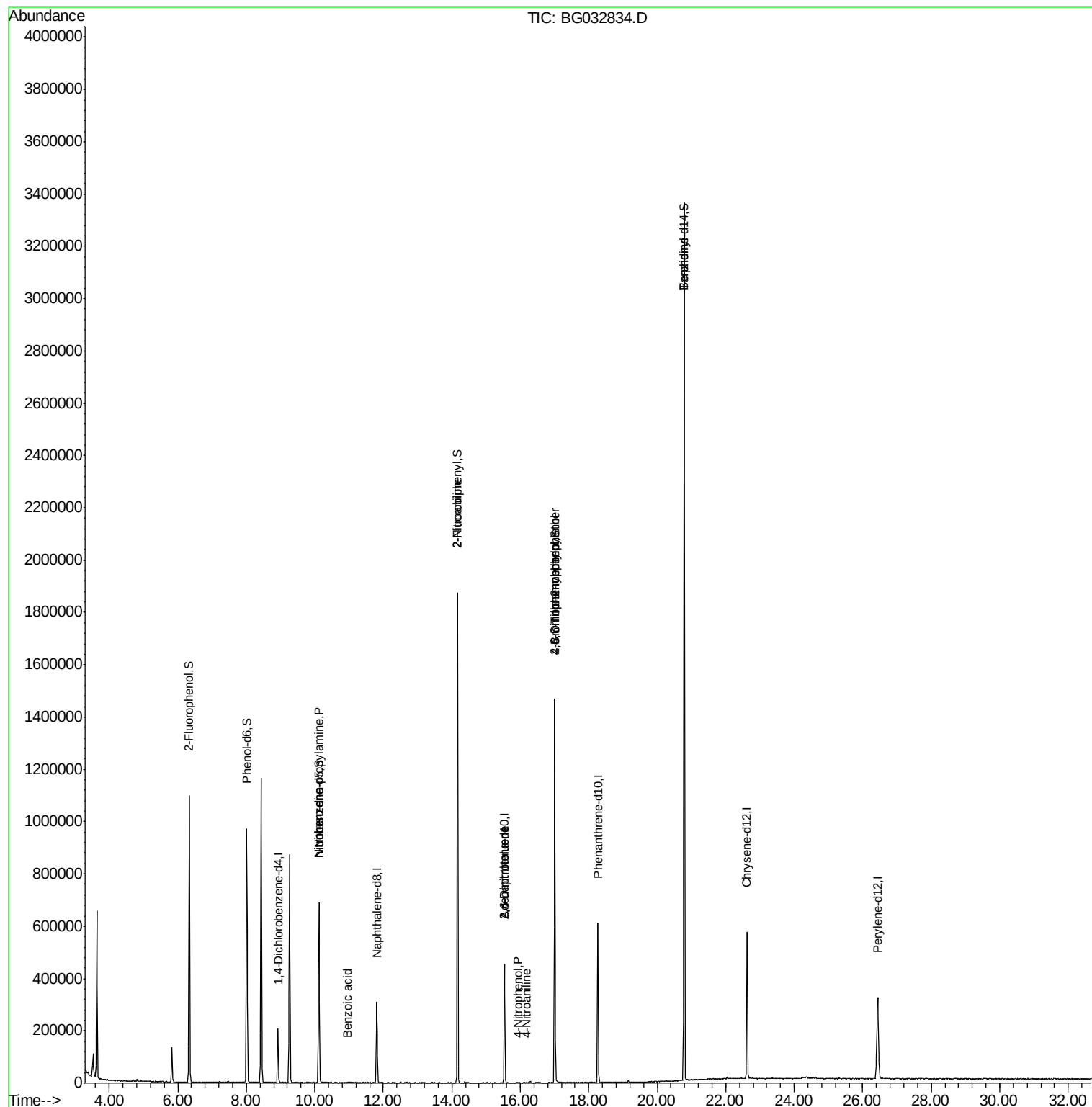
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	64820	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	279776	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	159064	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	378384	20.00	ng	0.00
75) Chrysene-d12	22.62	240	359251	20.00	ng	-0.01
86) Perylene-d12	26.44	264	372360	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	527318	130.15	ng	0.00
7) Phenol-d6	8.02	99	625108	110.69	ng	0.00
23) Nitrobenzene-d5	10.12	82	443846	107.16	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	263319	157.44	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	995024	90.22	ng	0.00
78) Terphenyl-d14	20.79	244	1533334	95.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	56417	14.15	ng	# 80
24) Nitrobenzene	10.12	77	1509	6.67	ng	# 36
32) Benzoic acid	10.96	122	970	6.26	ng	90
47) 2-Nitroaniline	14.17	65	1582	10.32	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	20201	16.26	ng	# 21
55) 4-Nitrophenol	15.93	139	58	7.10	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	20201	14.46	ng	# 18
61) 4-Nitroaniline	16.18	138	60	5.32	ng	# 12
64) 4,6-Dinitro-2-methylphenol	17.00	198	905	5.96	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	18580	4.64	ng	# 1
76) Benzidine	20.79	184	26129	2.13	ng	# 93

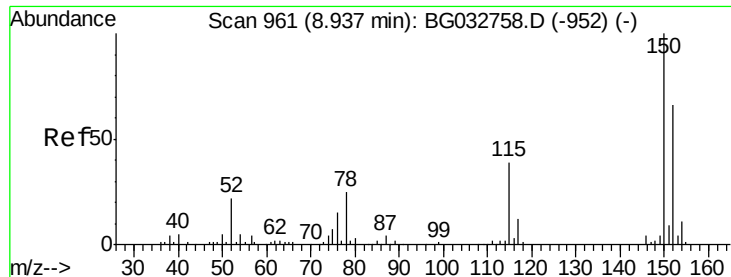
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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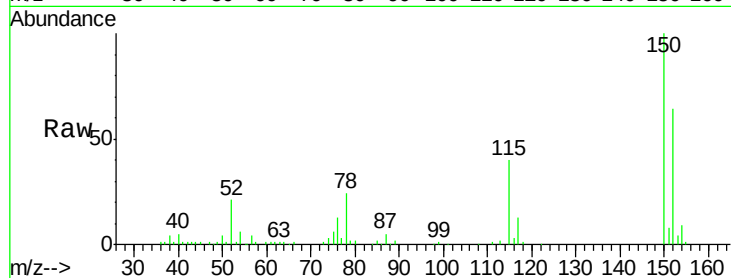


#1

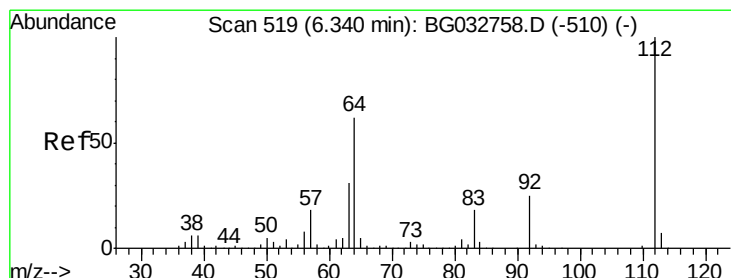
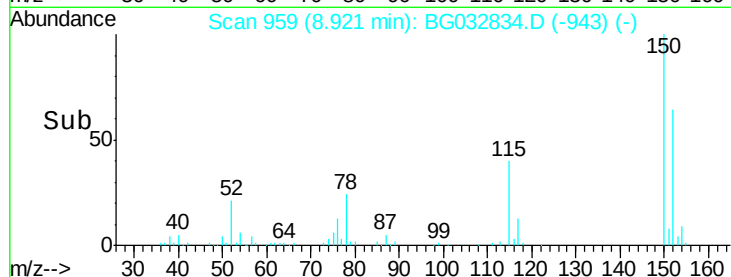
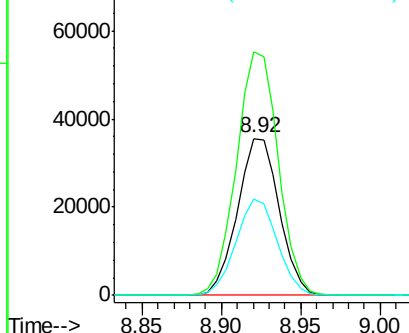
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG032834.D
Acq: 26 Feb 2018 23:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 64820
Ion Ratio Lower Upper
152 100
150 155.5 126.6 189.8
115 61.6 53.0 79.4



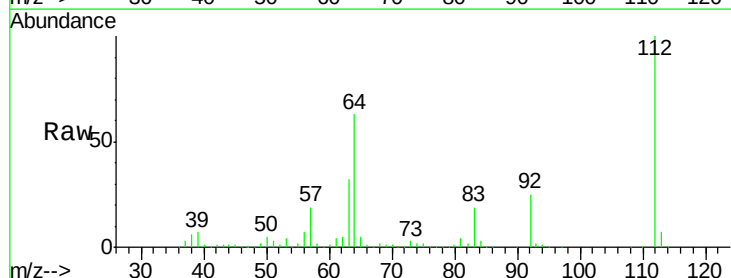
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



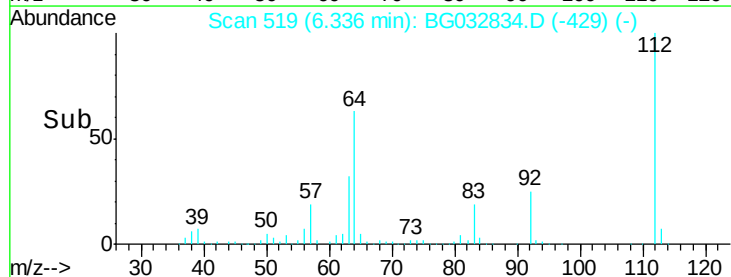
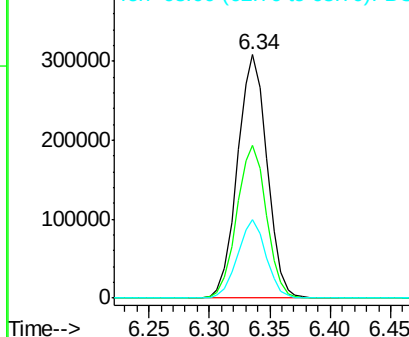
#5

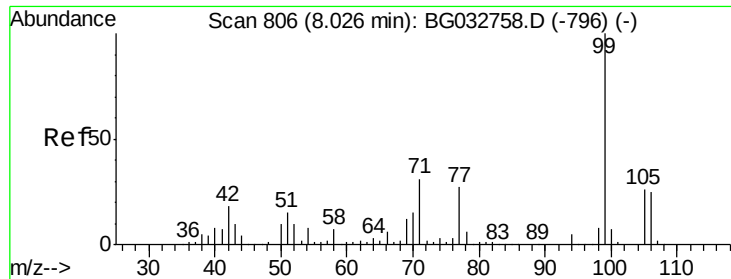
2-Fluorophenol
Concen: 130.15 ng
RT: 6.34 min Scan# 519
Delta R.T. -0.00 min
Lab File: BG032834.D
Acq: 26 Feb 2018 23:25

Tgt Ion:112 Resp: 527318
Ion Ratio Lower Upper
112 100
64 62.5 56.3 84.5
63 32.2 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: 110.69 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BG032834.D

Acq: 26 Feb 2018 23:25

Instrument :

BNA_G

ClientSampled :

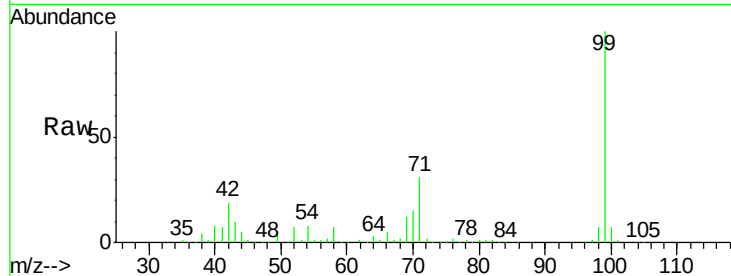
Tot Ion: 99 Resp: 625108

Ion Ratio Lower Upper

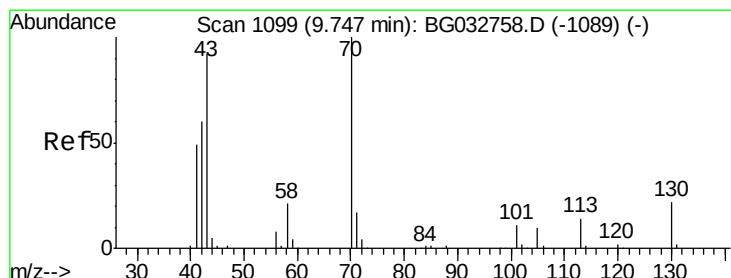
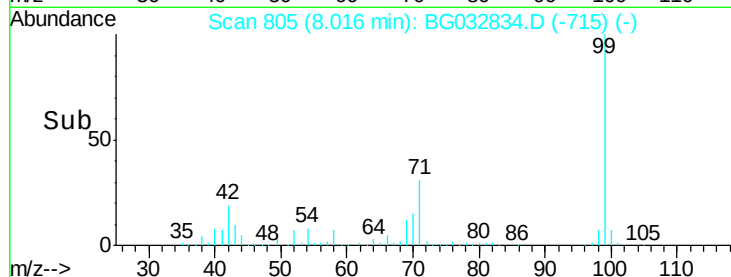
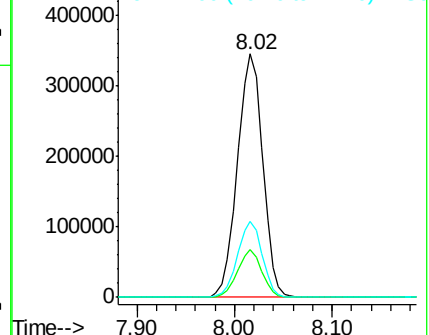
99 100

42 19.5 14.1 21.1

71 31.1 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: 14.15 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032834.D

Acq: 26 Feb 2018 23:25

Tgt Ion: 70 Resp: 56417

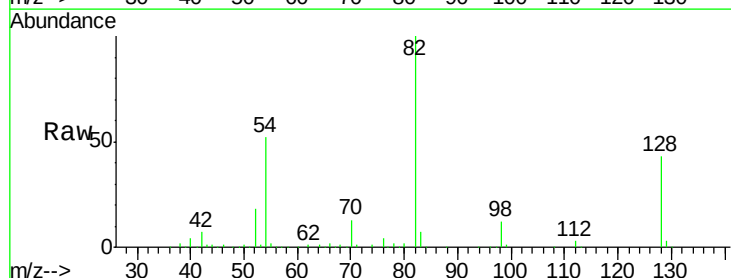
Ion Ratio Lower Upper

70 100

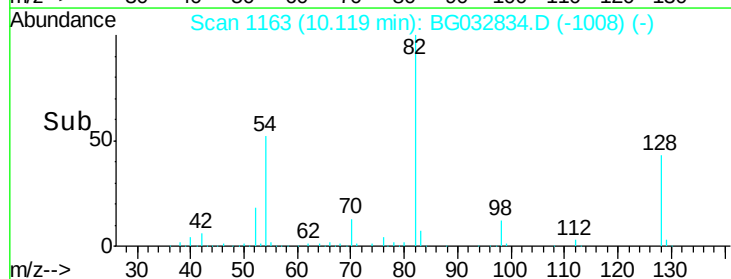
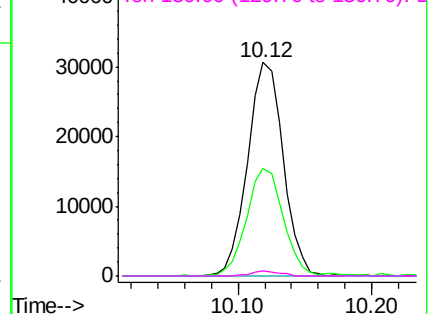
42 50.3 49.1 73.7

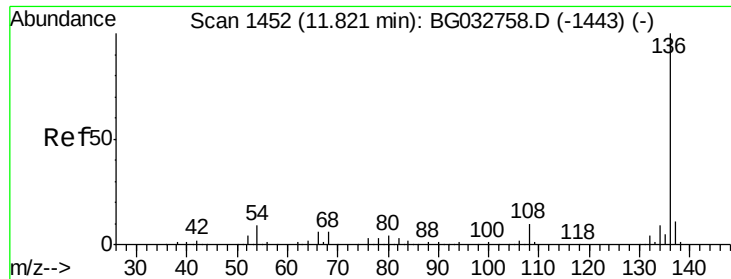
101 0.0 8.5 12.7#

130 2.2 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

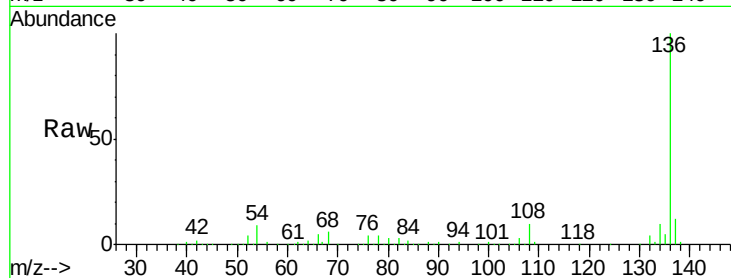




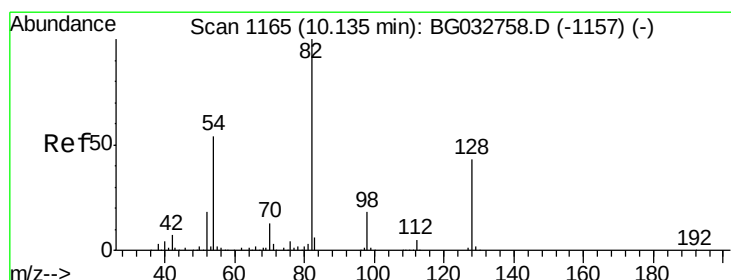
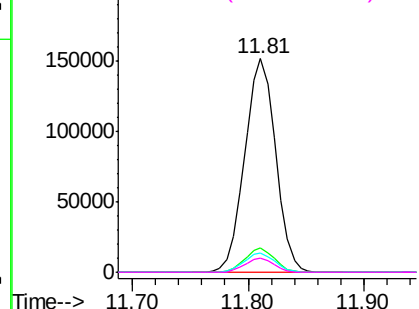
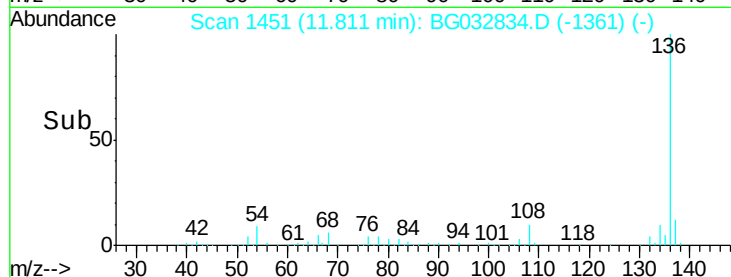
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BG032834.D
Acq: 26 Feb 2018 23:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	279776
Ion	Ratio	Lower Upper
136	100	
137	11.7	9.2 13.8
54	8.8	10.3 15.5
68	6.5	4.5 6.7

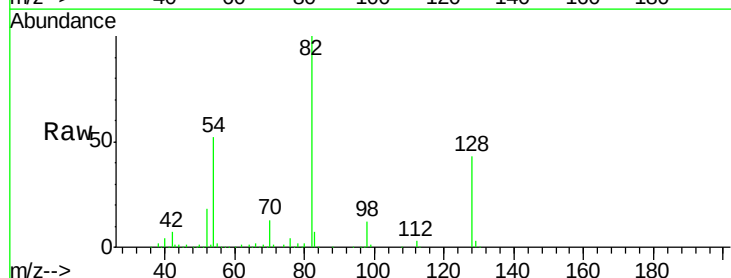


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

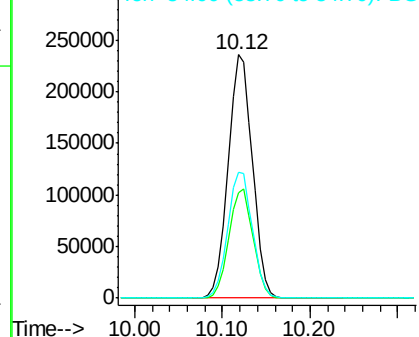
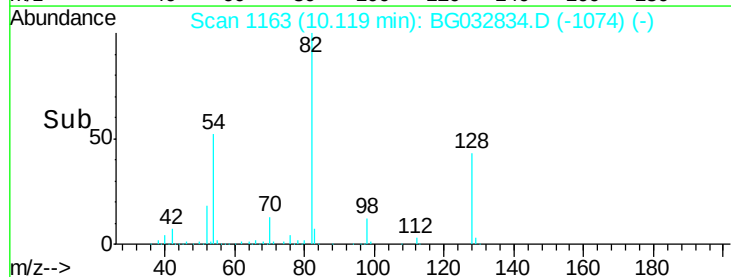


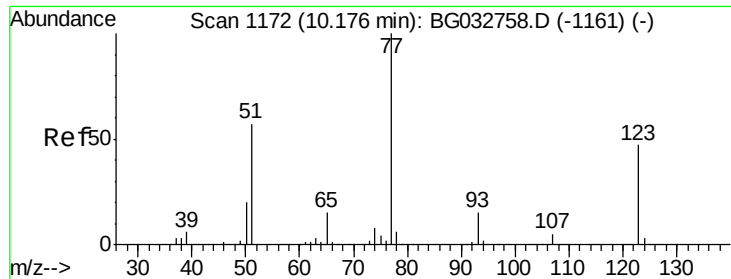
#23
Nitrobenzene-d5
Concen: 107.16 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032834.D
Acq: 26 Feb 2018 23:25

Tgt Ion: 82	Resp:	443846
Ion	Ratio	Lower Upper
82	100	
128	43.5	29.7 44.5
54	51.9	43.1 64.7



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

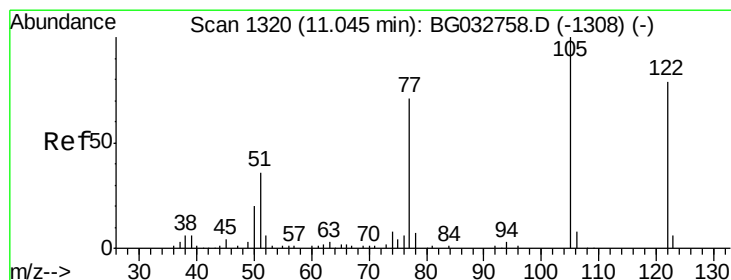
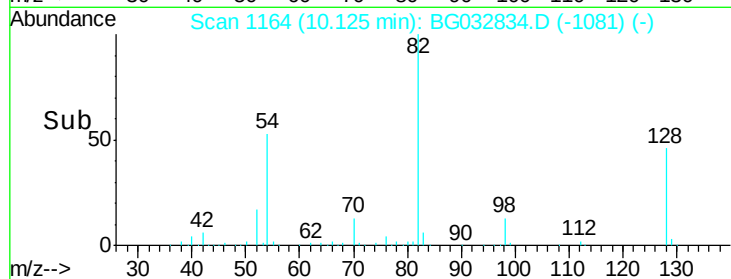
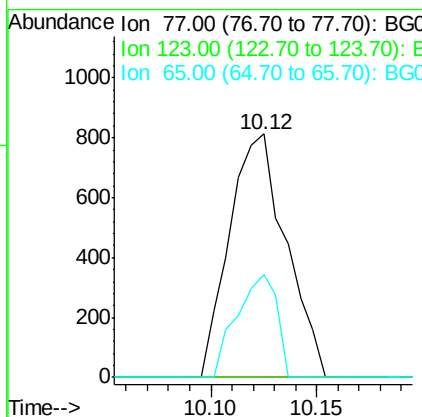
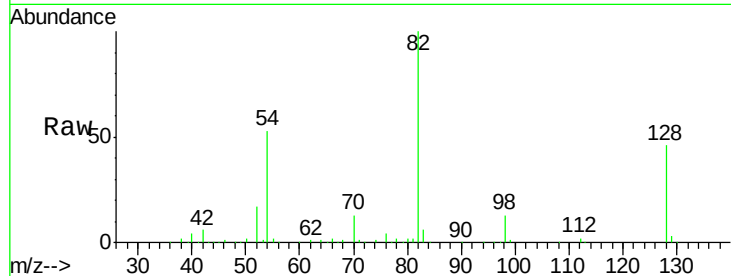




#24
 Nitrobenzene
 Concen: 6.67 ng
 RT: 10.12 min Scan# 1164
 Delta R.T. -0.04 min
 Lab File: BG032834.D
 Acq: 26 Feb 2018 23:25

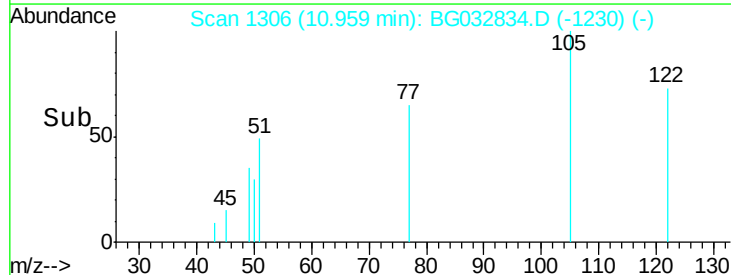
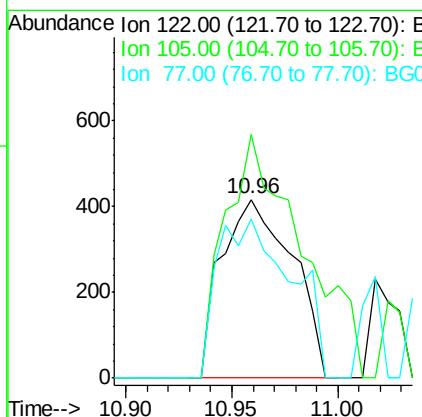
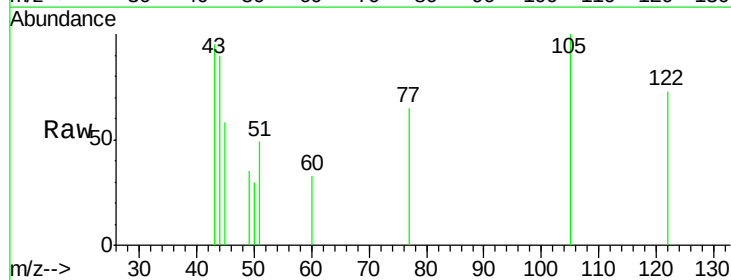
Instrument :
 BNA_G
 ClientSampleId :

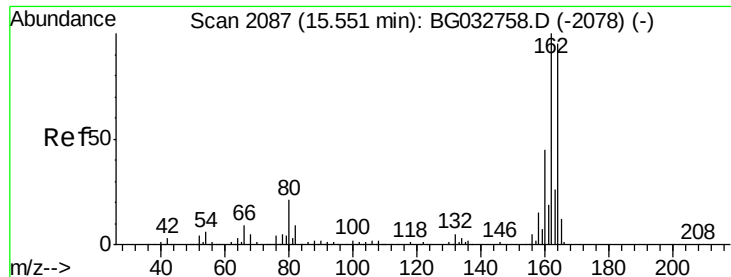
Tot Ion: 77 Resp: 1509
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 42.1 13.0 19.6#



#32
 Benzoic acid
 Concen: 6.26 ng
 RT: 10.96 min Scan# 1306
 Delta R.T. -0.08 min
 Lab File: BG032834.D
 Acq: 26 Feb 2018 23:25

Tgt Ion: 122 Resp: 970
 Ion Ratio Lower Upper
 122 100
 105 136.2 123.5 163.5
 77 88.7 85.7 125.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG032834.D

Acq: 26 Feb 2018 23:25

Instrument :

BNA_G

ClientSampleId :

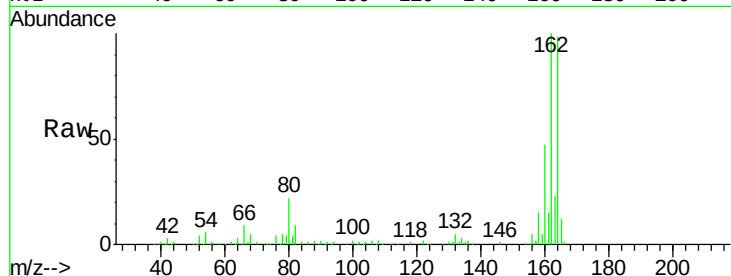
Tot Ion:164 Resp: 159064

Ion Ratio Lower Upper

164 100

162 102.4 78.8 118.2

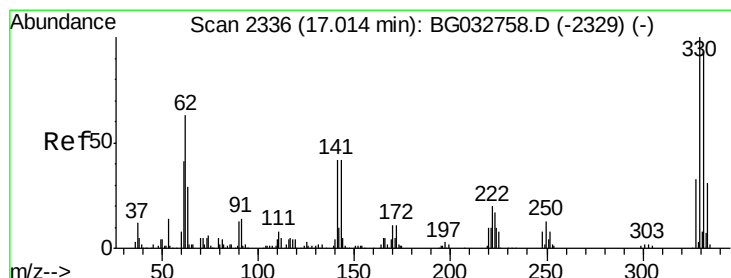
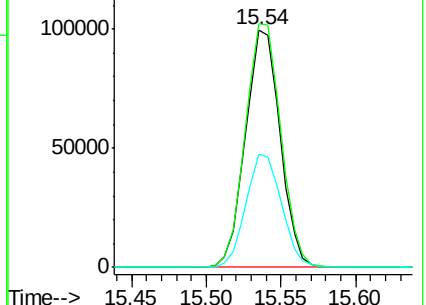
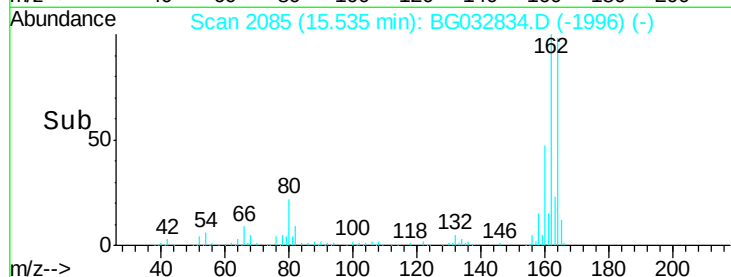
160 47.8 35.4 53.0



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: 157.44 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BG032834.D

Acq: 26 Feb 2018 23:25

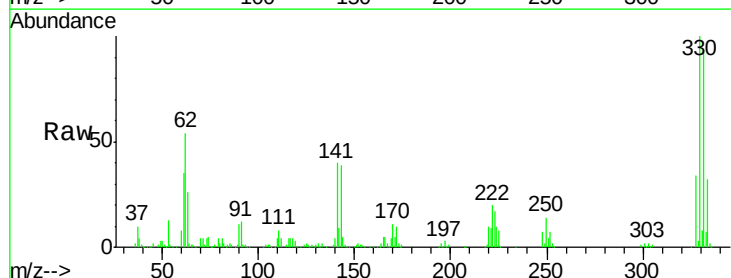
Tgt Ion:330 Resp: 263319

Ion Ratio Lower Upper

330 100

332 94.9 77.0 115.6

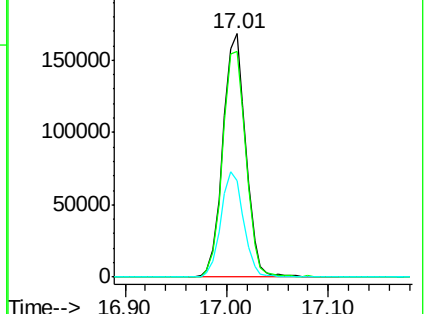
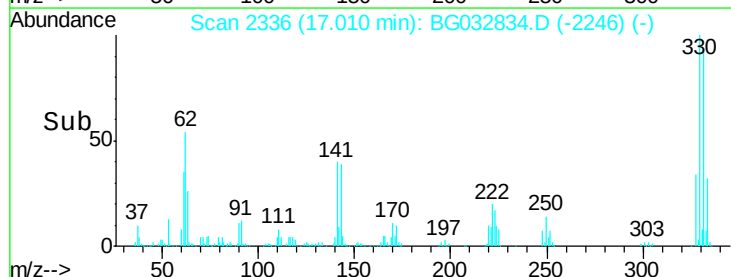
141 42.7 25.2 37.8#

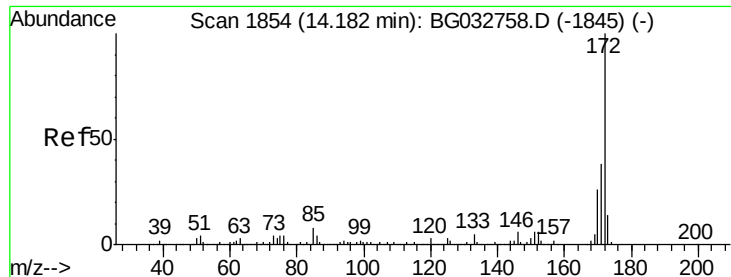


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

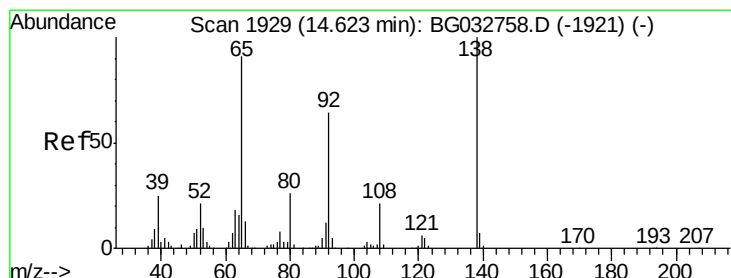
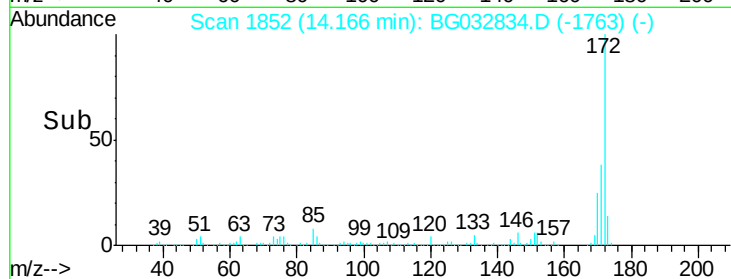
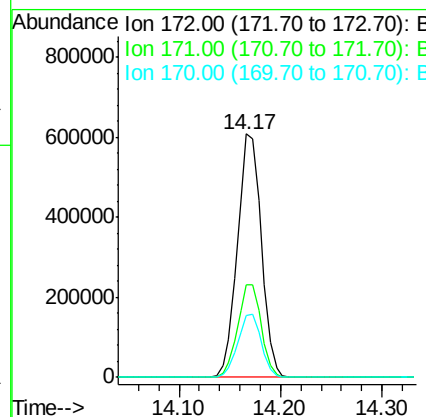
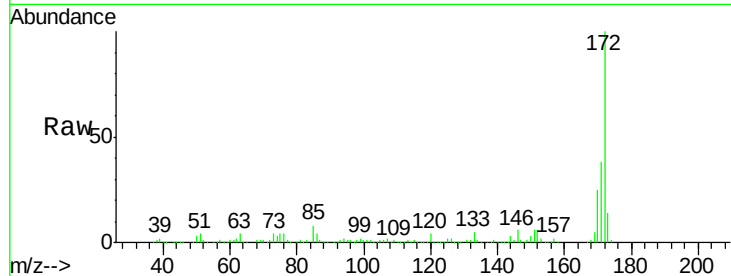




#44
 2-Fluorobiphenyl
 Concen: 90.22 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032834.D
 Acq: 26 Feb 2018 23:25

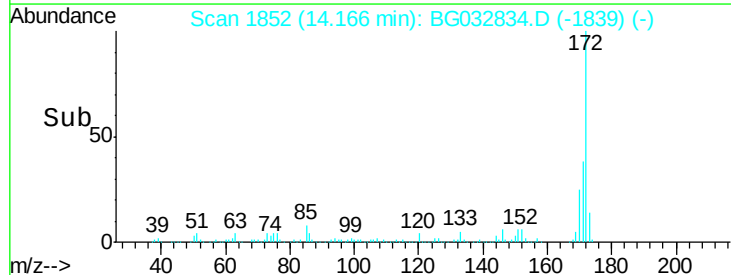
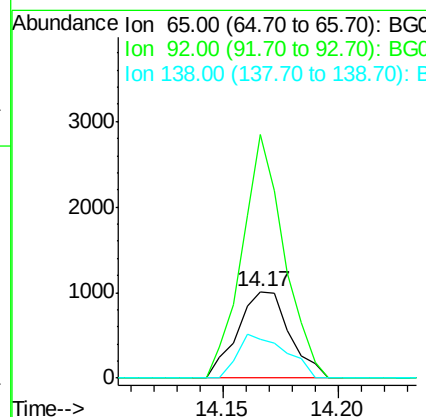
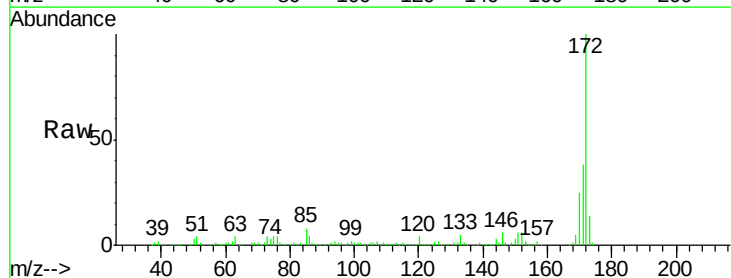
Instrument :
 BNA_G
 ClientSampleId :

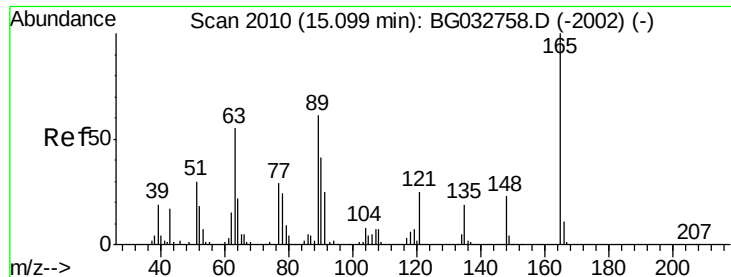
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	25.2	19.5	29.3



#47
 2-Nitroaniline
 Concen: 10.32 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.45 min
 Lab File: BG032834.D
 Acq: 26 Feb 2018 23:25

Tgt Ion	Ratio	Lower	Upper
65	100		
92	282.3	54.6	82.0#
138	44.8	72.9	109.3#





#50

2,6-Dinitrotoluene

Concen: 16.26 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.44 min

Lab File: BG032834.D

Acq: 26 Feb 2018 23:25

Instrument :

BNA_G

ClientSampleId :

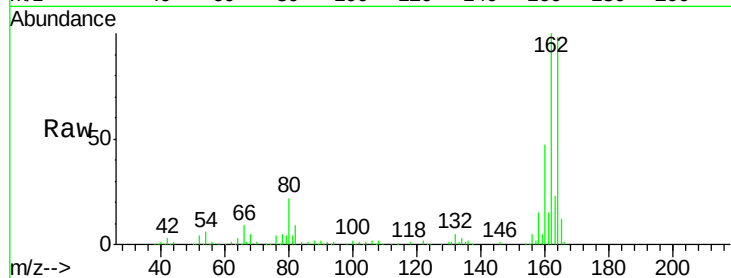
Tot Ion:165 Resp: 20201

Ion Ratio Lower Upper

165 100

63 2.0 52.7 79.1#

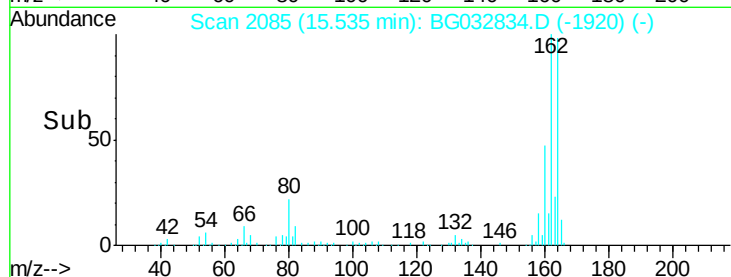
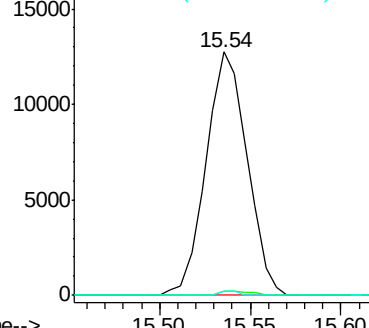
89 1.5 49.2 73.8#



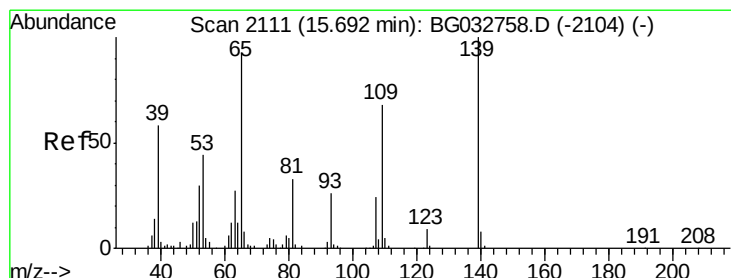
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time-->



#55

4-Nitrophenol

Concen: 7.10 ng

RT: 15.93 min Scan# 2153

Delta R.T. 0.25 min

Lab File: BG032834.D

Acq: 26 Feb 2018 23:25

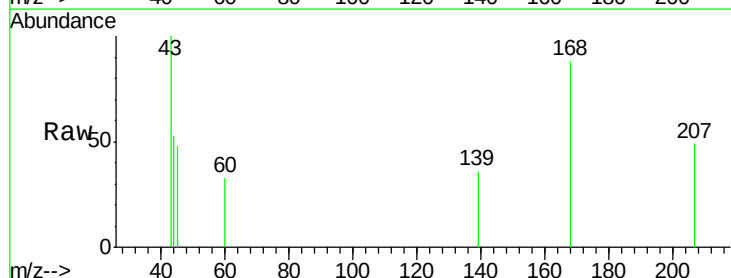
Tgt Ion:139 Resp: 58

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

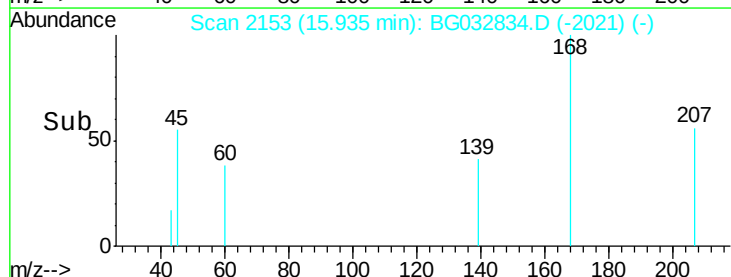
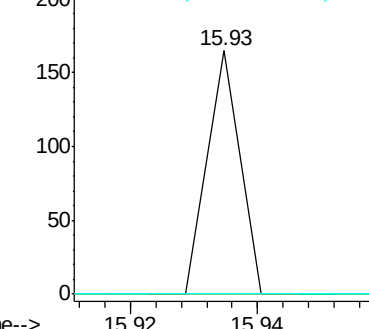
65 0.0 97.2 137.2#



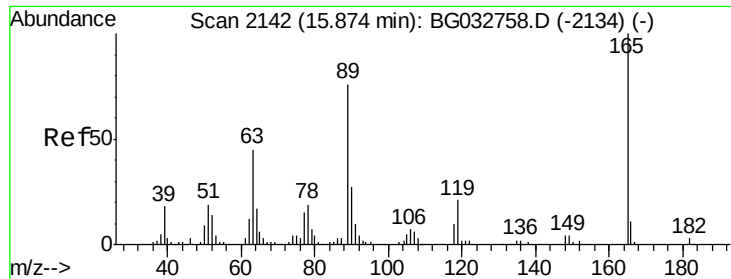
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



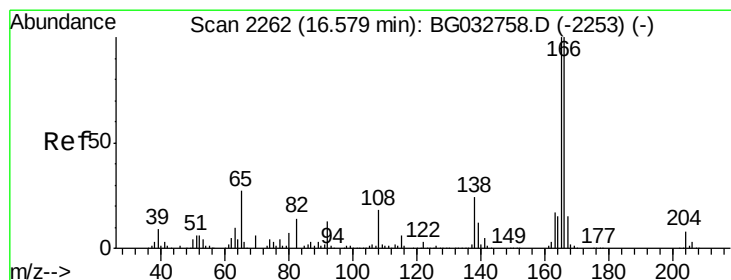
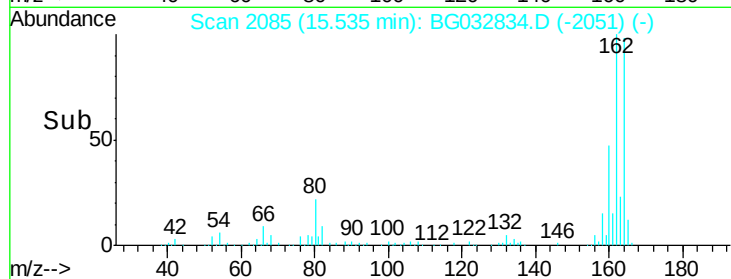
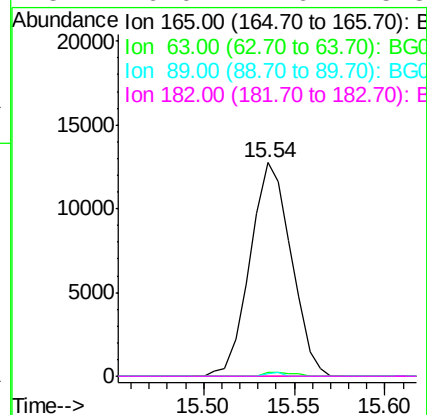
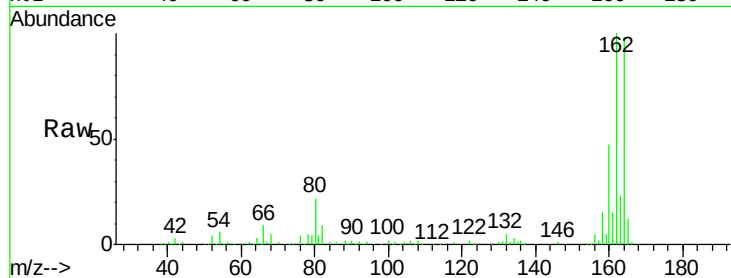
Time-->



#56
 2,4-Dinitrotoluene
 Concen: 14.46 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.33 min
 Lab File: BG032834.D
 Acq: 26 Feb 2018 23:25

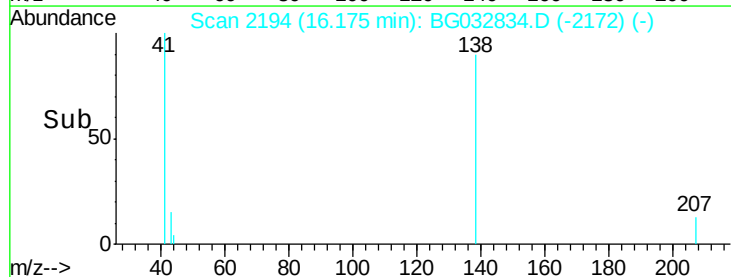
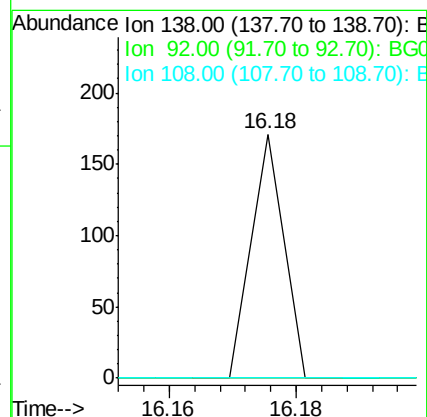
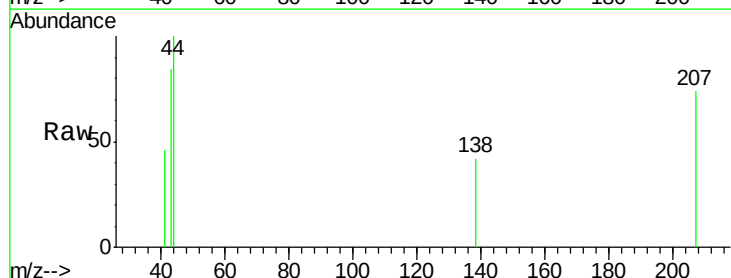
Instrument :
 BNA_G
 ClientSampleId :

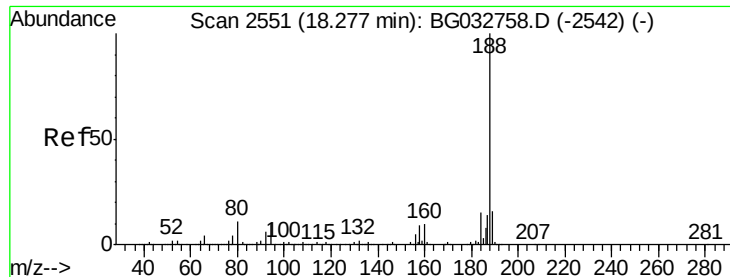
Tot Ion:	165	Resp:	20201
Ion	Ratio	Lower	Upper
165	100		
63	2.0	42.0	63.0#
89	1.5	66.9	100.3#
182	0.0	2.6	3.8#



#61
 4-Nitroaniline
 Concen: 5.32 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.40 min
 Lab File: BG032834.D
 Acq: 26 Feb 2018 23:25

Tgt Ion:	138	Resp:	60
Ion	Ratio	Lower	Upper
138	100		
92	0.0	40.1	80.1#
108	0.0	65.4	105.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.27 min Scan# 2550

Delta R.T. -0.00 min

Lab File: BG032834.D

Acq: 26 Feb 2018 23:25

Instrument :

BNA_G

ClientSampleId :

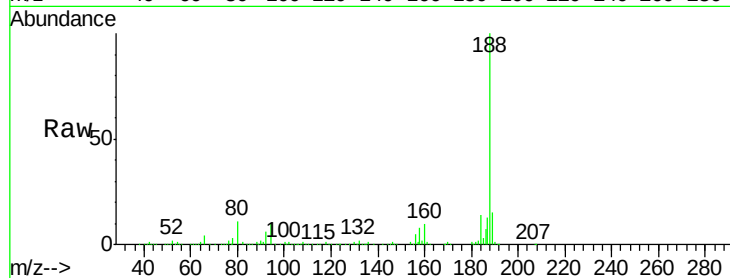
Tot Ion:188 Resp: 378384

Ion Ratio Lower Upper

188 100

94 10.1 6.9 10.3

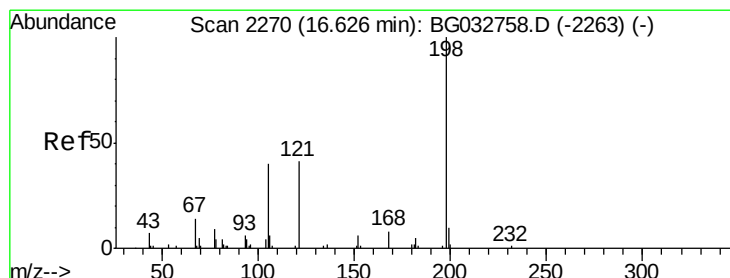
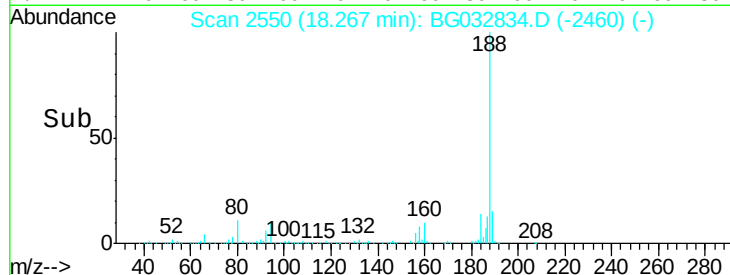
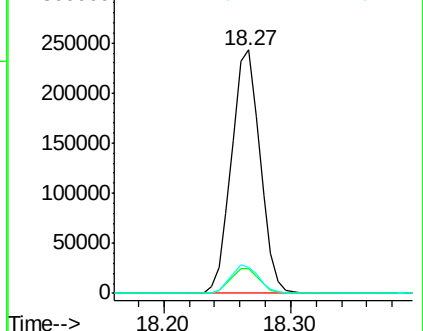
80 10.6 7.7 11.5



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: 5.96 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032834.D

Acq: 26 Feb 2018 23:25

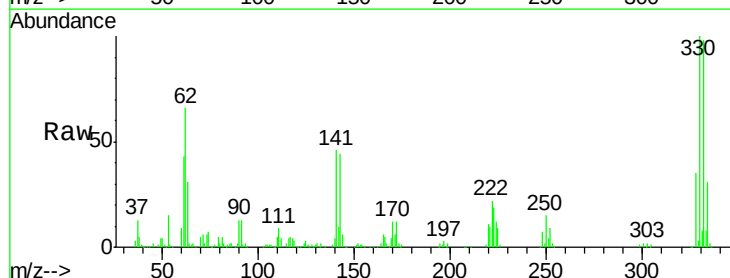
Tgt Ion:198 Resp: 905

Ion Ratio Lower Upper

198 100

51 156.3 30.6 70.6#

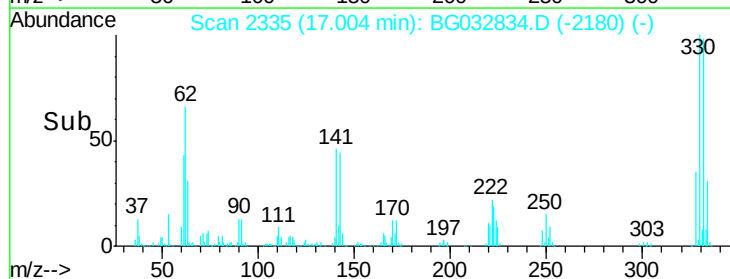
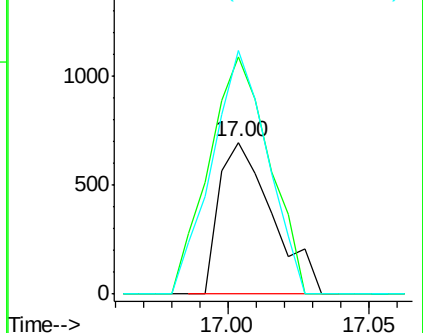
105 160.5 23.8 63.8#

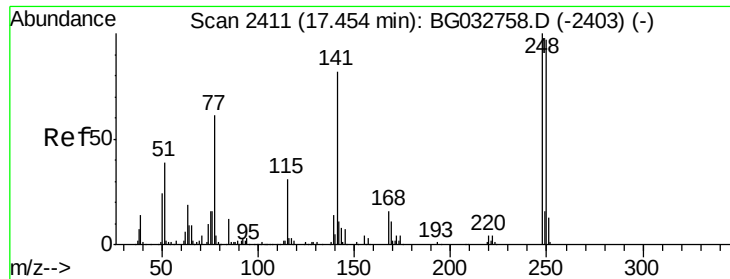


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

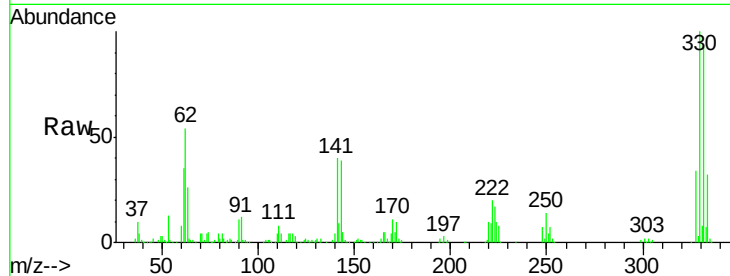




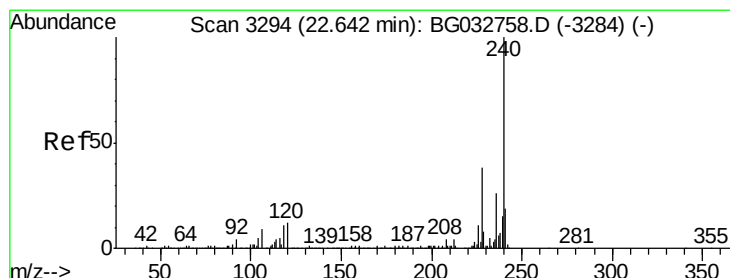
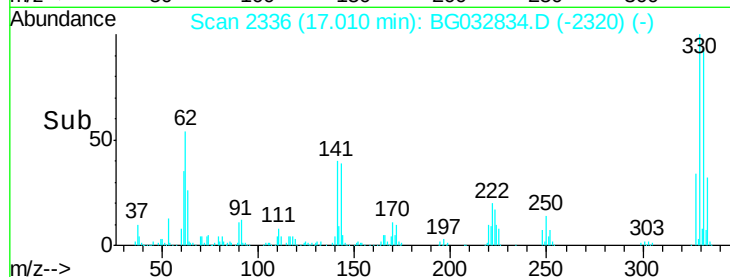
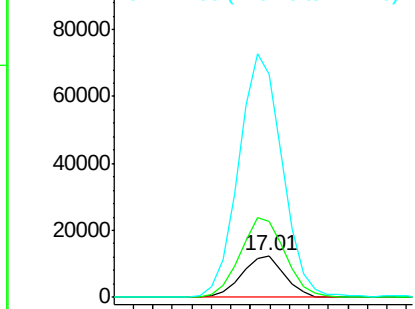
#66
 4-Bromophenyl-phenylether
 Concen: 4.64 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. -0.43 min
 Lab File: BG032834.D
 Acq: 26 Feb 2018 23:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 18580
 Ion Ratio Lower Upper
 248 100
 250 182.3 77.1 115.7#
 141 533.5 50.8 76.2#

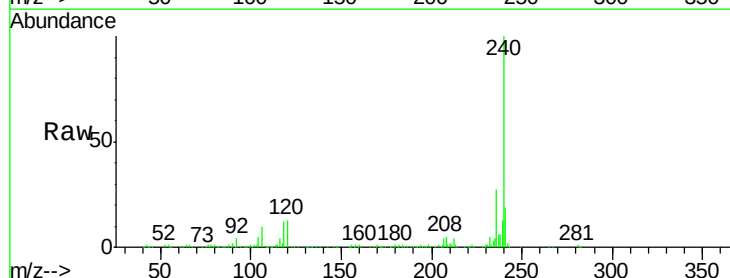


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

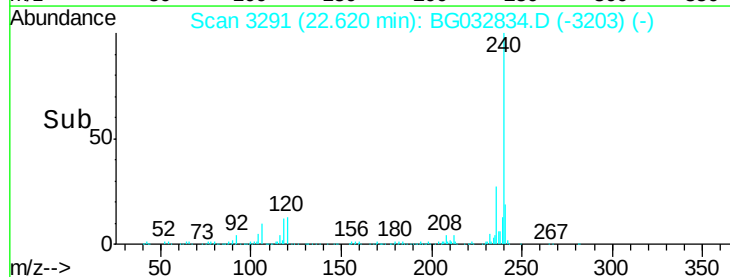
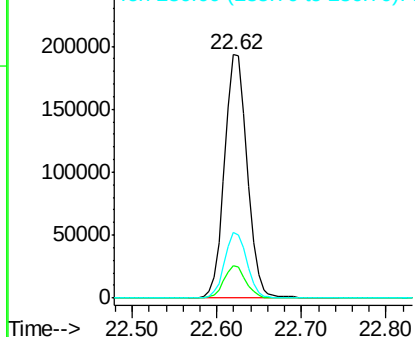


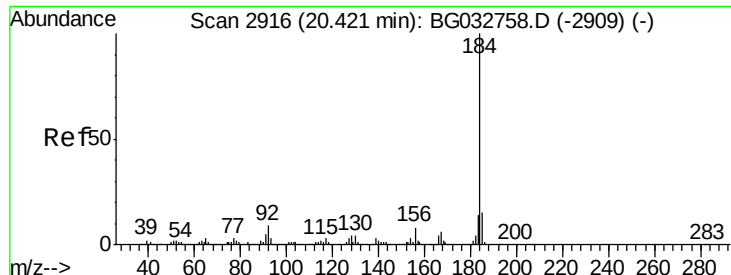
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.62 min Scan# 3291
 Delta R.T. -0.01 min
 Lab File: BG032834.D
 Acq: 26 Feb 2018 23:25

Tgt Ion:240 Resp: 359251
 Ion Ratio Lower Upper
 240 100
 120 13.1 6.8 10.2#
 236 26.8 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

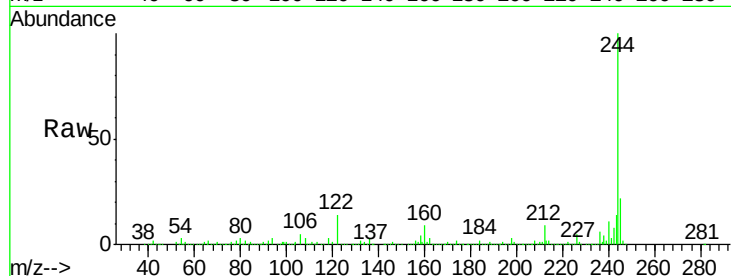




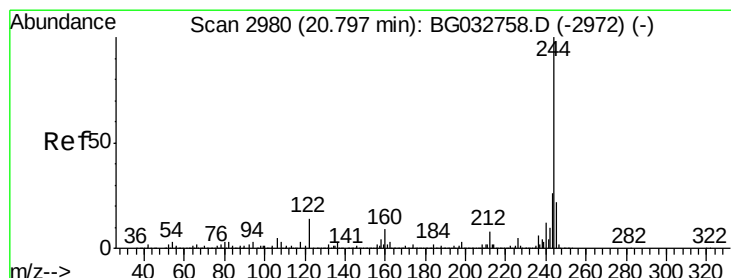
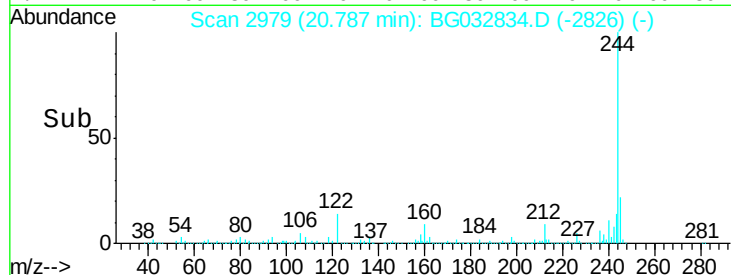
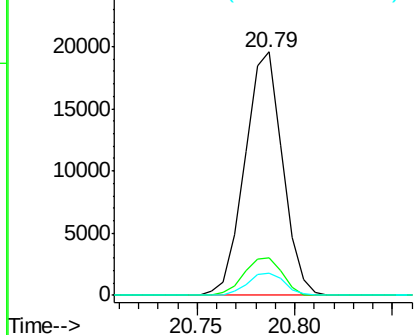
#76
Benzidine
Concen: 2.13 ng
RT: 20.79 min Scan# 2979
Delta R.T. 0.37 min
Lab File: BG032834.D
Acq: 26 Feb 2018 23:25

Instrument :
BNA_G
ClientSampled :

Tot Ion:184 Resp: 26129
Ion Ratio Lower Upper
184 100
185 15.3 11.1 16.7
183 9.0 10.6 16.0#

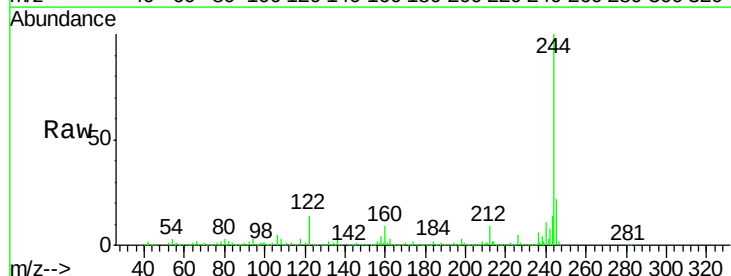


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

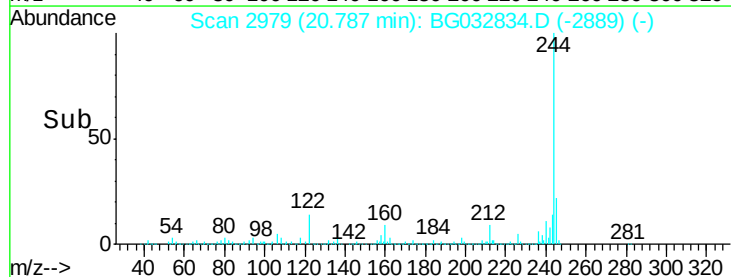
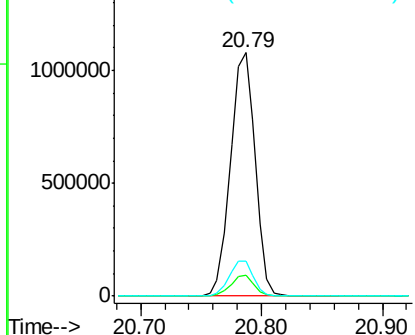


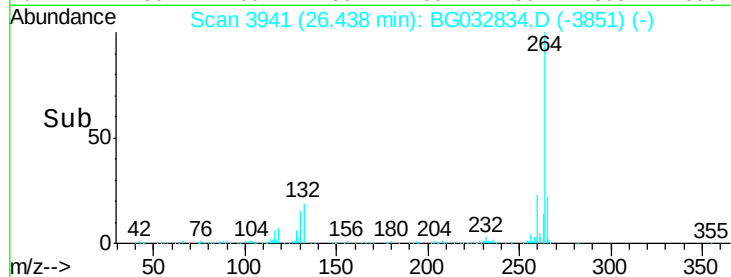
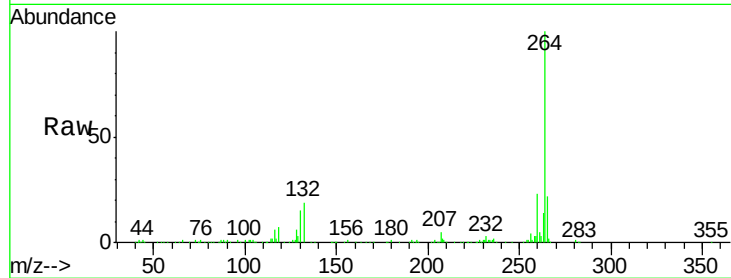
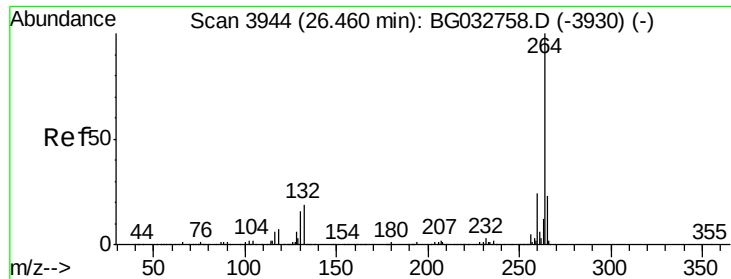
#78
Terphenyl-d14
Concen: 95.89 ng
RT: 20.79 min Scan# 2979
Delta R.T. -0.00 min
Lab File: BG032834.D
Acq: 26 Feb 2018 23:25

Tgt Ion:244 Resp: 1533334
Ion Ratio Lower Upper
244 100
212 8.7 5.8 8.8
122 14.3 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
 Pervlene-d12
 Concen: 20.00 ng
 RT: 26.44 min Scan# 3941
 Delta R.T. -0.00 min
 Lab File: BG032834.D
 Acq: 26 Feb 2018 23:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	21.8	17.7	26.5

