

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032695.D
 Acq On : 14 Feb 2018 23:54
 Operator : SJ/JU
 Sample : PB106541BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 02:56:55 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

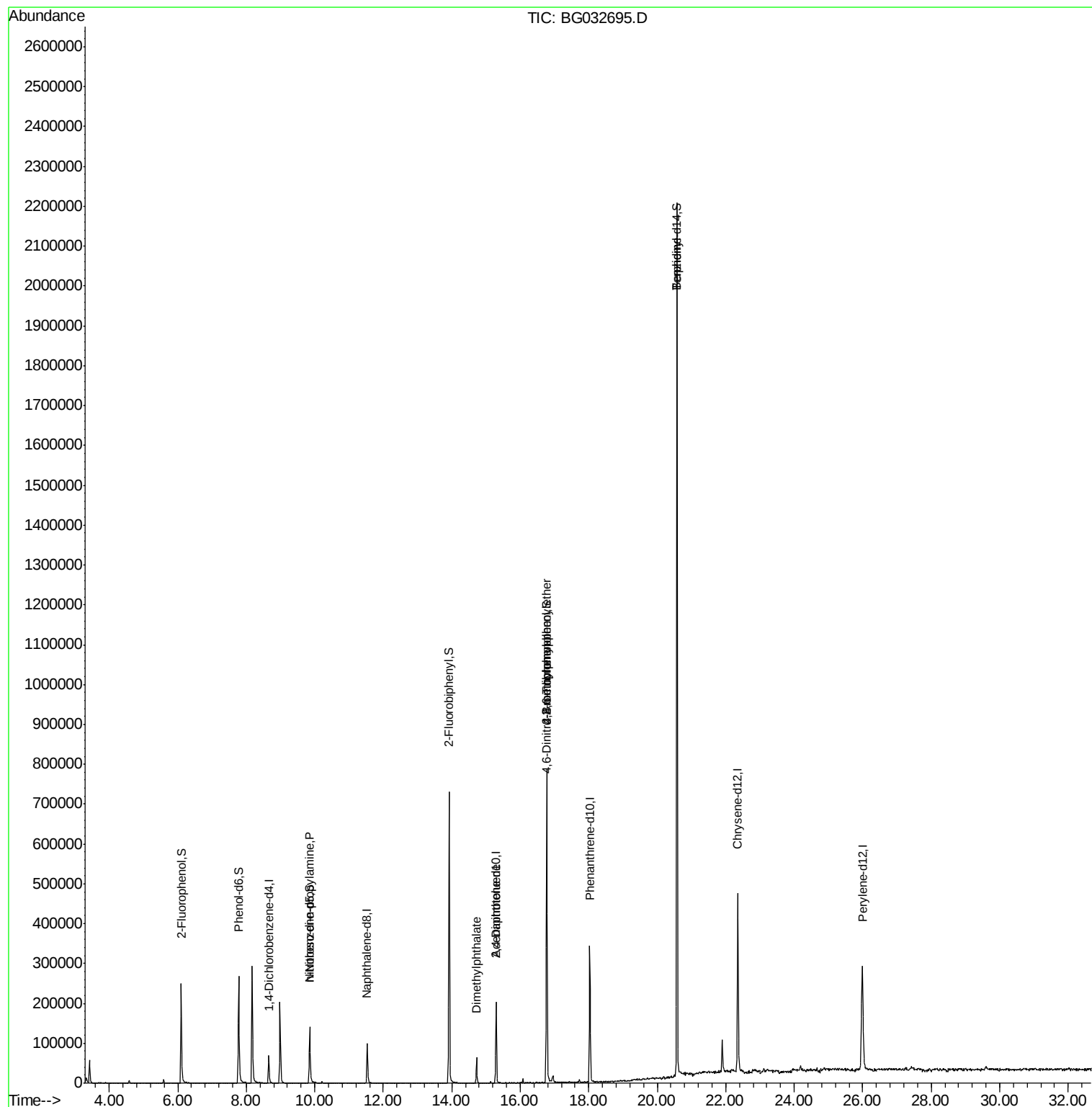
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	25085	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	107040	20.00	ng	-0.02
38) Acenaphthene-d10	15.30	164	81692	20.00	ng	-0.01
63) Phenanthrene-d10	18.03	188	247979	20.00	ng	-0.02
75) Chrysene-d12	22.35	240	356183	20.00	ng	-0.02
86) Perylene-d12	25.98	264	370158	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	132386	105.89	ng	-0.01
7) Phenol-d6	7.78	99	174536	102.09	ng	-0.02
23) Nitrobenzene-d5	9.86	82	103916	61.70	ng	-0.02
41) 2,4,6-Tribromophenol	16.77	330	175798	139.76	ng	-0.02
44) 2-Fluorobiphenyl	13.92	172	451630	69.13	ng	-0.01
78) Terphenyl-d14	20.57	244	1204066	77.05	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.85	70	14590	12.69	ng	# 70
49) Dimethylphthalate	14.72	163	48024	6.80	ng	# 94
56) 2,4-Dinitrotoluene	15.29	165	10127	5.05	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.78	198	510	5.28	ng	# 20
66) 4-Bromophenyl-phenylether	16.77	248	14443	4.07	ng	# 1
76) Benzidine	20.57	184	17061	2.03	ng	# 82

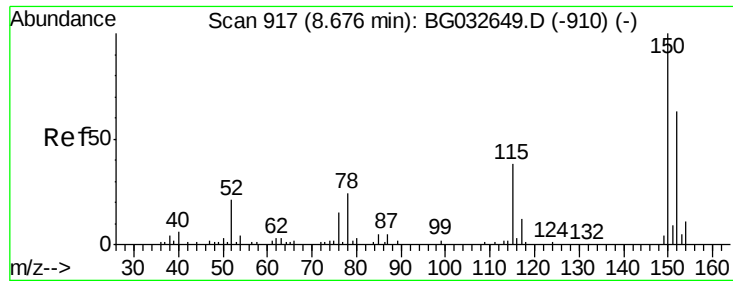
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 15 02:56:55 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 12 18:08:01 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.66 min Scan# 914

Delta R.T. -0.02 min

Lab File: BG032695.D

Acq: 14 Feb 2018 23:54

Instrument :

BNA_G

ClientSampled :

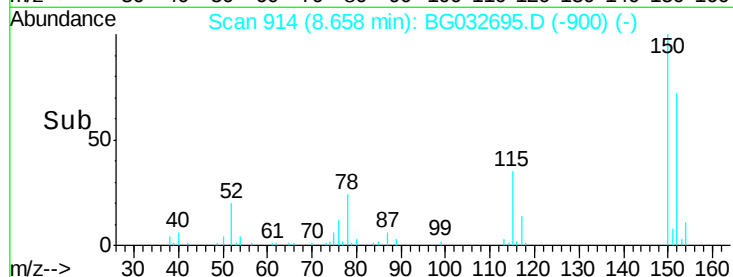
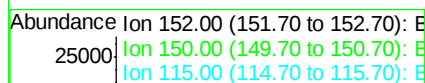
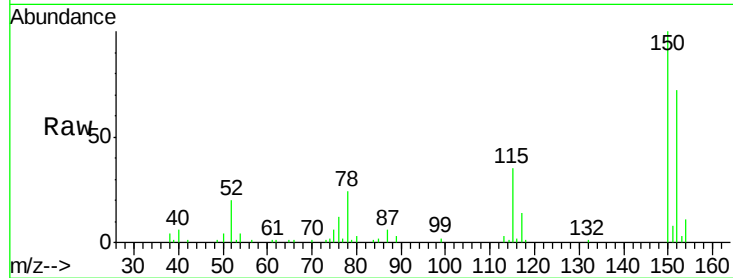
Tot Ion:152 Resp: 25085

Ion Ratio Lower Upper

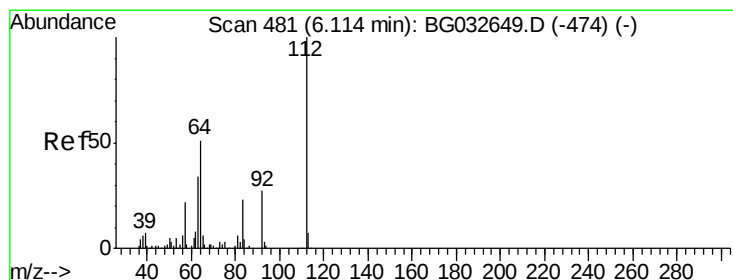
152 100

150 138.8 126.6 189.8

115 47.9 53.0 79.4#



Time--> 8.55 8.60 8.65 8.70 8.75



#5

2-Fluorophenol

Concen: 105.89 ng

RT: 6.10 min Scan# 479

Delta R.T. -0.01 min

Lab File: BG032695.D

Acq: 14 Feb 2018 23:54

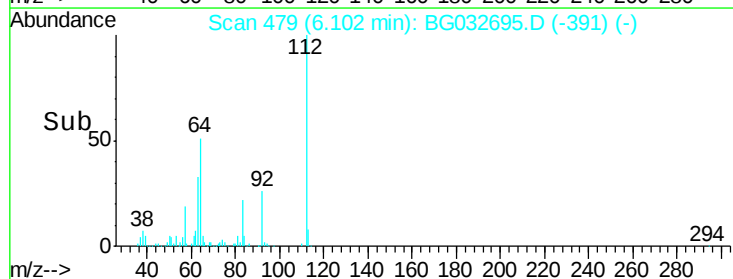
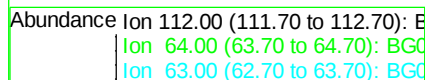
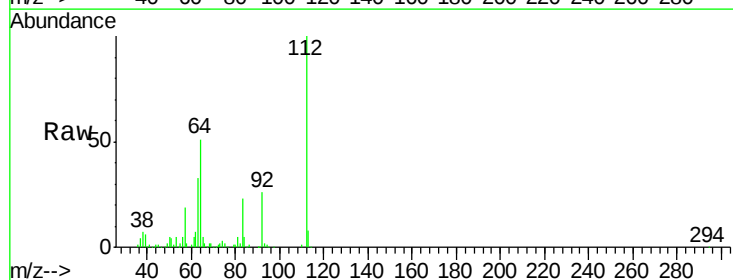
Tgt Ion:112 Resp: 132386

Ion Ratio Lower Upper

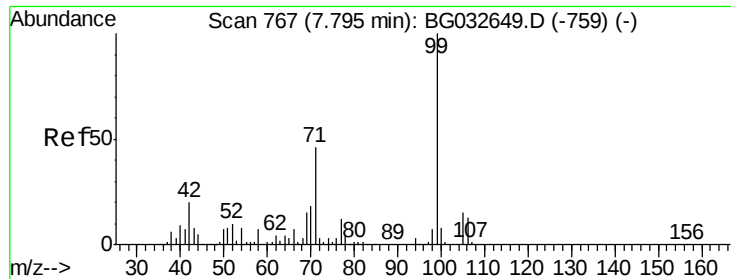
112 100

64 51.5 56.3 84.5#

63 32.6 30.1 45.1



Time--> 6.00 6.10 6.20



#7

Phenol-d6

Concen: 102.09 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.02 min

Lab File: BG032695.D

Acq: 14 Feb 2018 23:54

Instrument :

BNA_G

ClientSampleId :

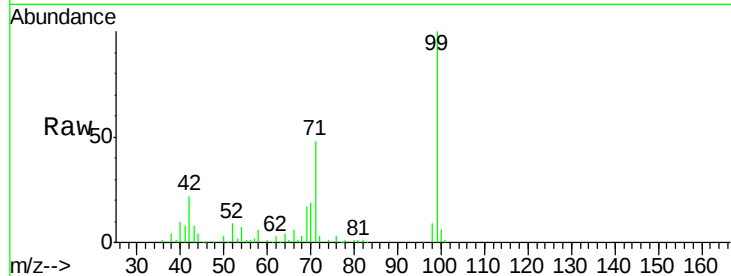
Tot Ion: 99 Resp: 174536

Ion Ratio Lower Upper

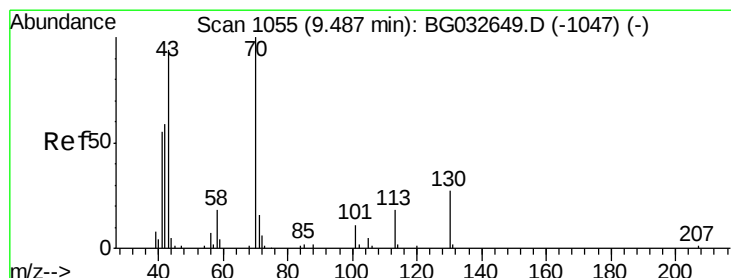
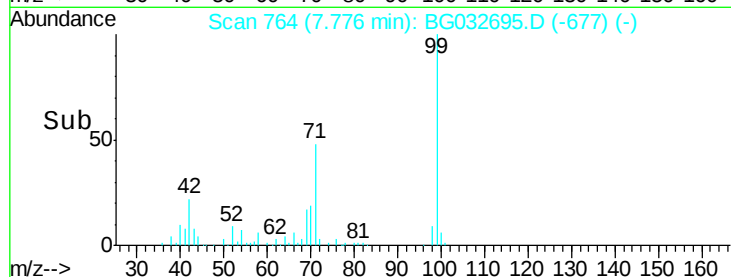
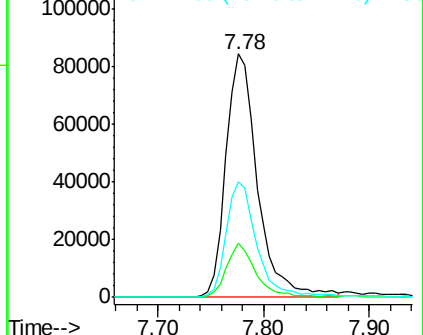
99 100

42 22.1 14.1 21.1#

71 47.6 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: 12.69 ng

RT: 9.85 min Scan# 1117

Delta R.T. 0.36 min

Lab File: BG032695.D

Acq: 14 Feb 2018 23:54

Tgt Ion: 70 Resp: 14590

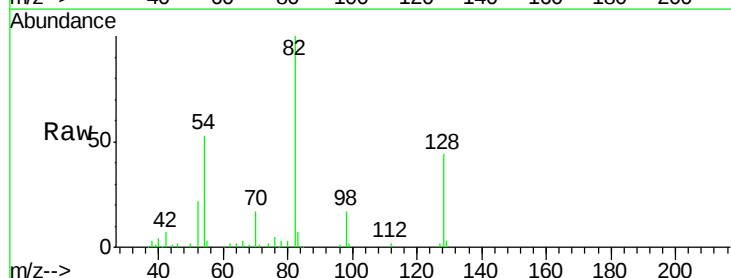
Ion Ratio Lower Upper

70 100

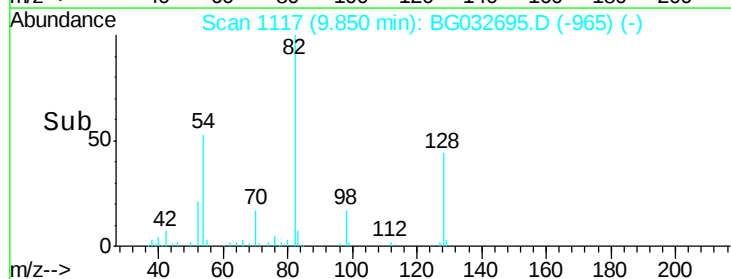
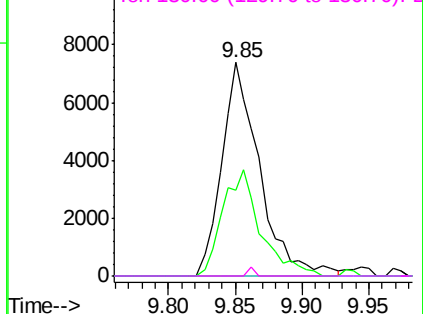
42 40.0 49.1 73.7#

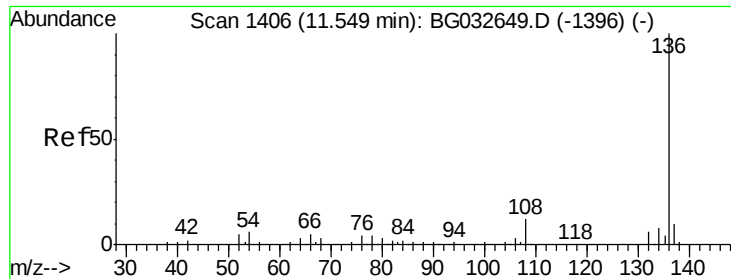
101 0.0 8.5 12.7#

130 0.0 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

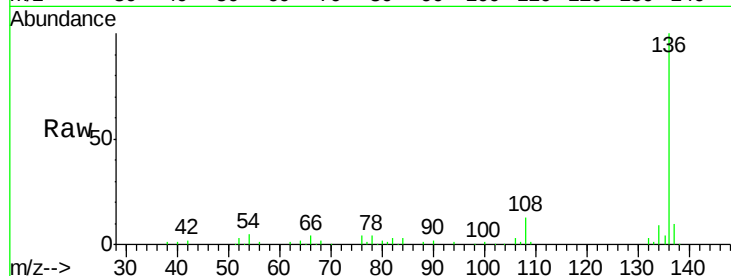




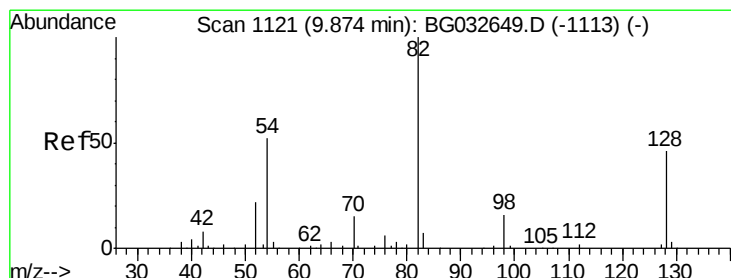
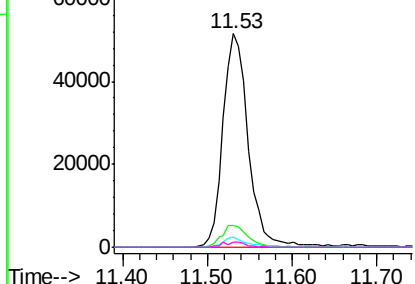
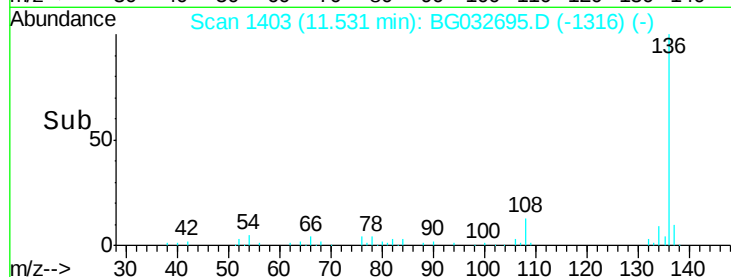
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.53 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BG032695.D
Acq: 14 Feb 2018 23:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	107040
Ion Ratio	Lower	Upper
136	100	
137	10.0	9.2 13.8
54	4.9	10.3 15.5#
68	2.4	4.5 6.7#

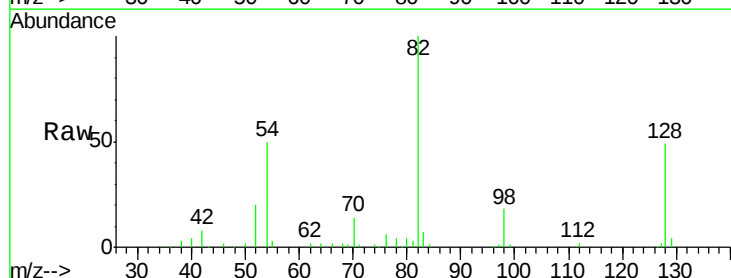


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

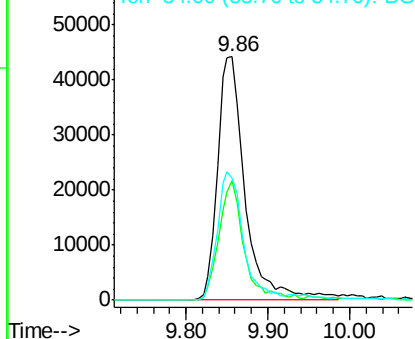
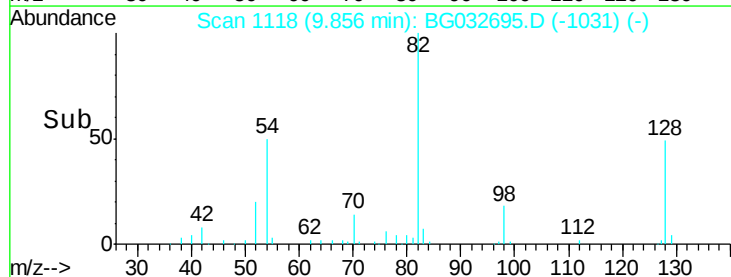


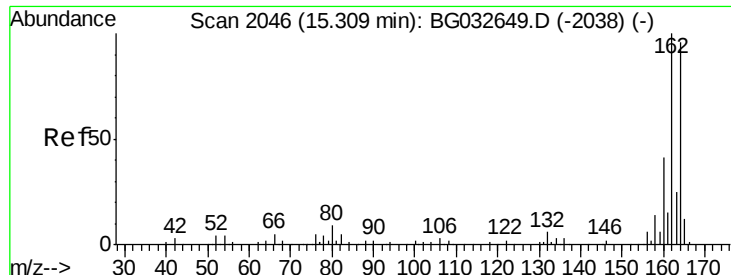
#23
Nitrobenzene-d5
Concen: 61.70 ng
RT: 9.86 min Scan# 1118
Delta R.T. -0.02 min
Lab File: BG032695.D
Acq: 14 Feb 2018 23:54

Tgt Ion: 82	Resp:	103916
Ion Ratio	Lower	Upper
82	100	
128	49.0	29.7 44.5#
54	50.0	43.1 64.7



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

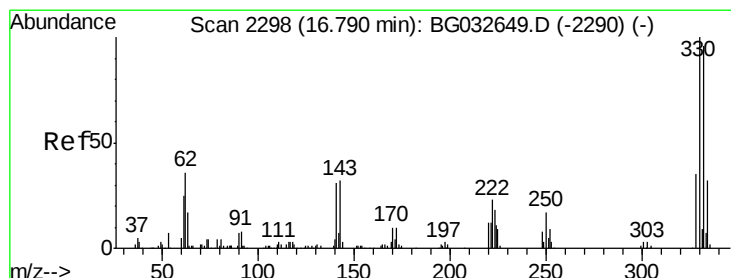
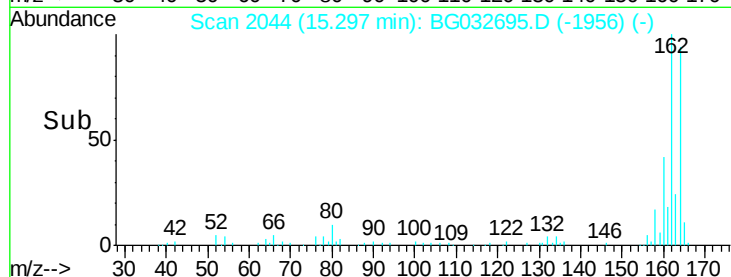
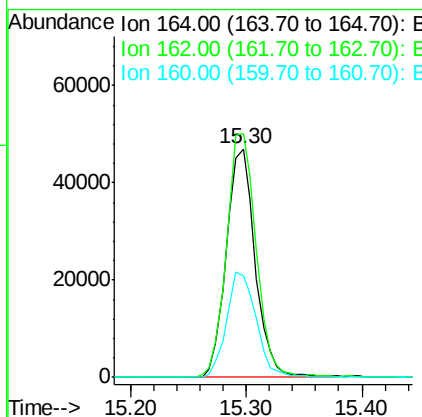
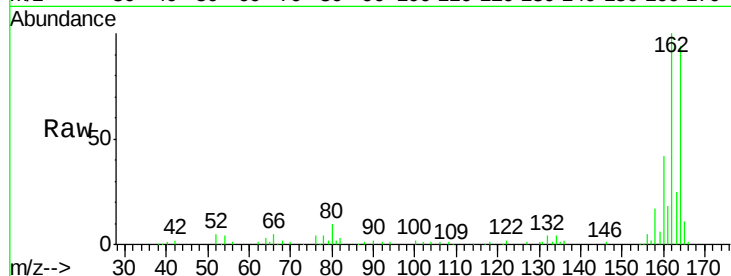




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.30 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BG032695.D
 Acq: 14 Feb 2018 23:54

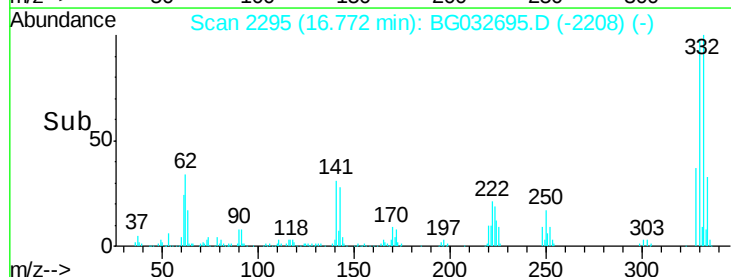
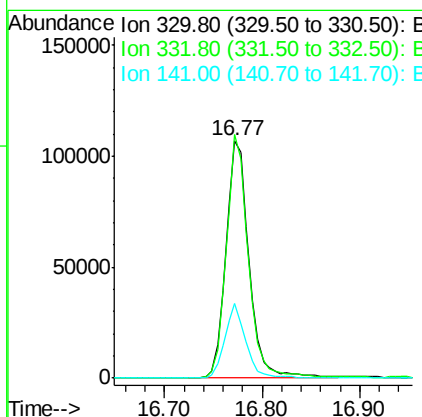
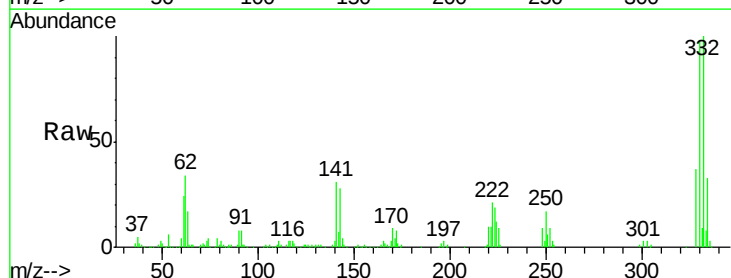
Instrument :
 BNA_G
 ClientSampleId :

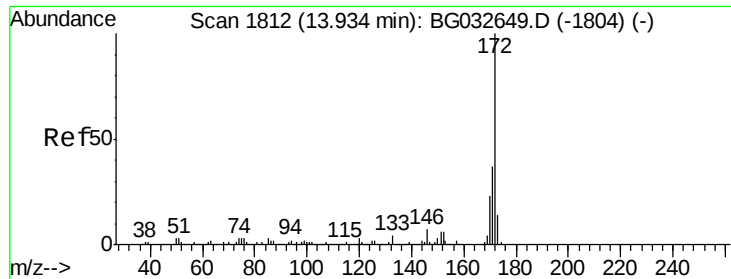
Tot Ion:164 Resp: 81692
 Ion Ratio Lower Upper
 164 100
 162 106.6 78.8 118.2
 160 44.5 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 139.76 ng
 RT: 16.77 min Scan# 2295
 Delta R.T. -0.02 min
 Lab File: BG032695.D
 Acq: 14 Feb 2018 23:54

Tgt Ion:330 Resp: 175798
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 28.5 25.2 37.8

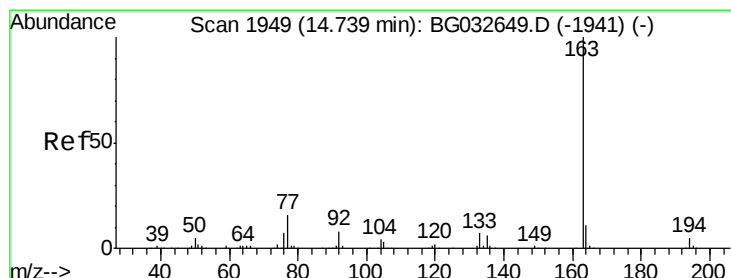
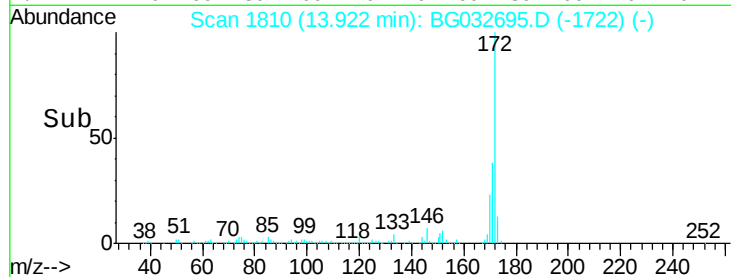
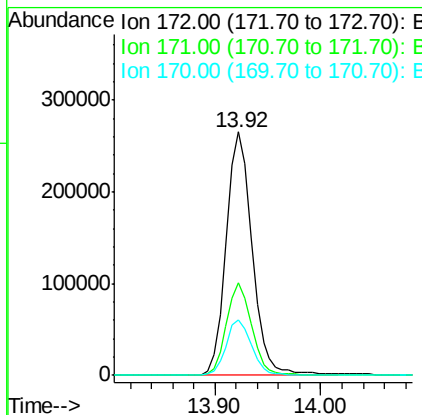
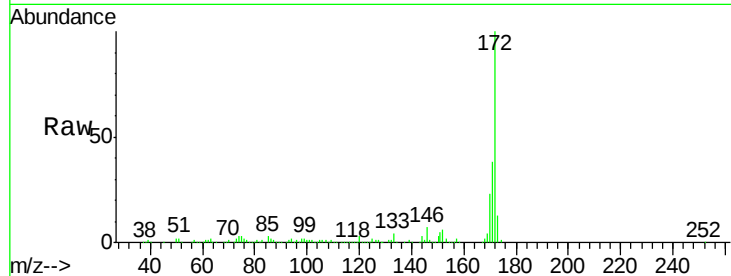




#44
2-Fluorobiphenyl
Concen: 69.13 ng
RT: 13.92 min Scan# 1810
Delta R.T. -0.01 min
Lab File: BG032695.D
Acq: 14 Feb 2018 23:54

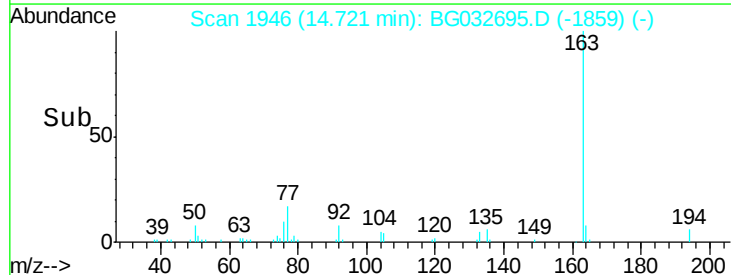
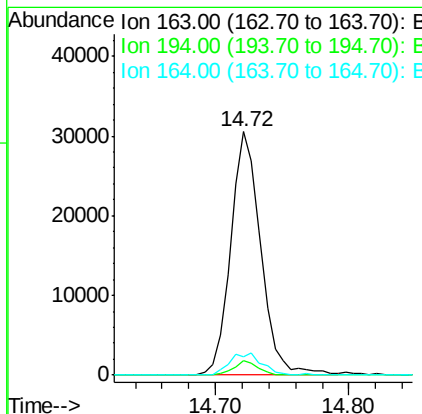
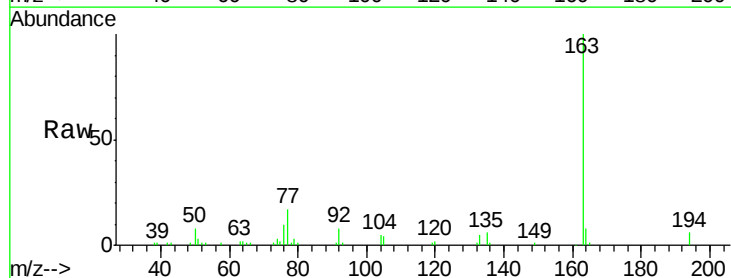
Instrument :
BNA_G
ClientSampleId :

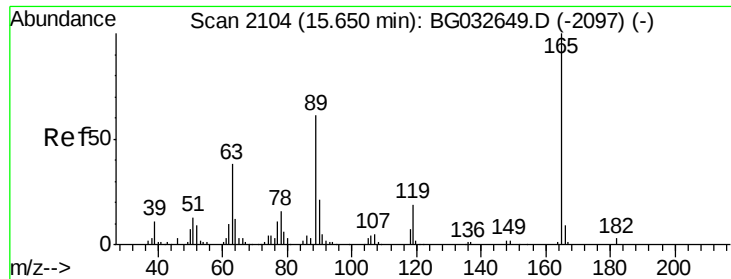
Tot Ion:172 Resp: 451630
Ion Ratio Lower Upper
172 100
171 38.0 30.0 45.0
170 23.0 19.5 29.3



#49
Dimethylphthalate
Concen: 6.80 ng
RT: 14.72 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BG032695.D
Acq: 14 Feb 2018 23:54

Tgt Ion:163 Resp: 48024
Ion Ratio Lower Upper
163 100
194 5.9 3.4 5.2#
164 7.7 8.2 12.4#

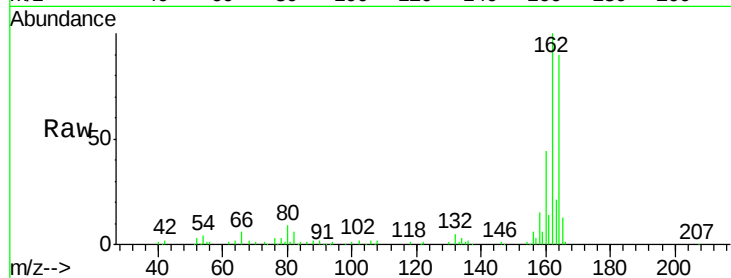




#56
 2,4-Dinitrotoluene
 Concen: 5.05 ng
 RT: 15.29 min Scan# 2043
 Delta R.T. -0.36 min
 Lab File: BG032695.D
 Acq: 14 Feb 2018 23:54

Instrument :
 BNA_G
 ClientSampleId :

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

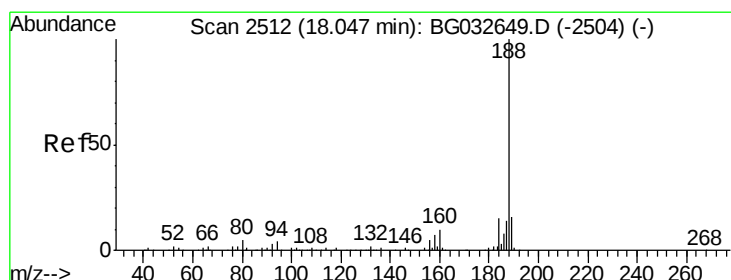
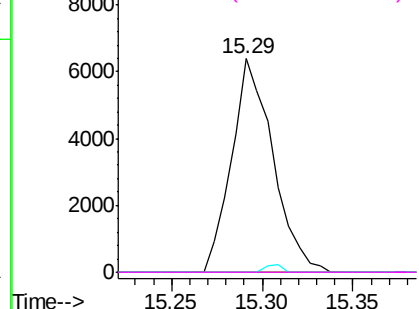
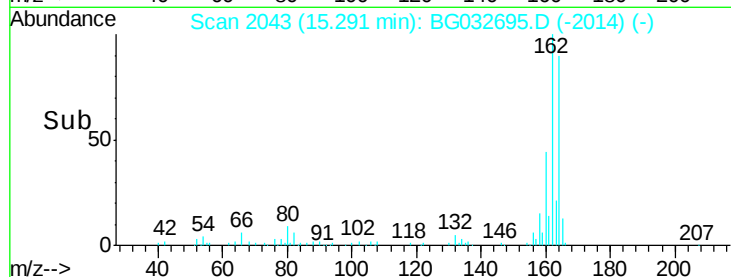


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

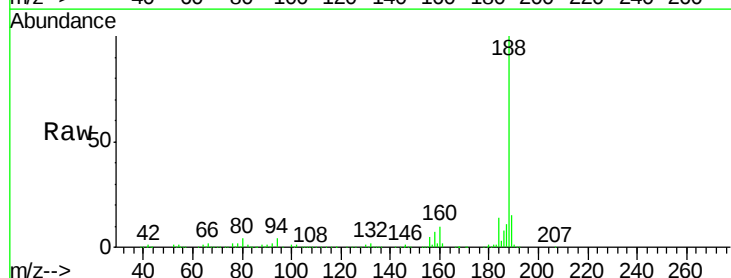
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.03 min Scan# 2509
 Delta R.T. -0.02 min
 Lab File: BG032695.D
 Acq: 14 Feb 2018 23:54

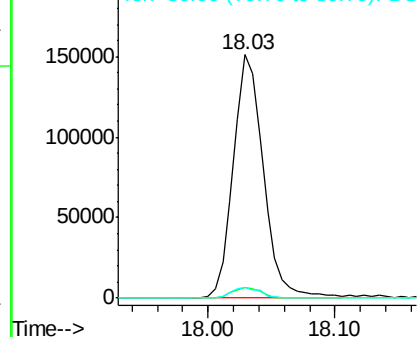
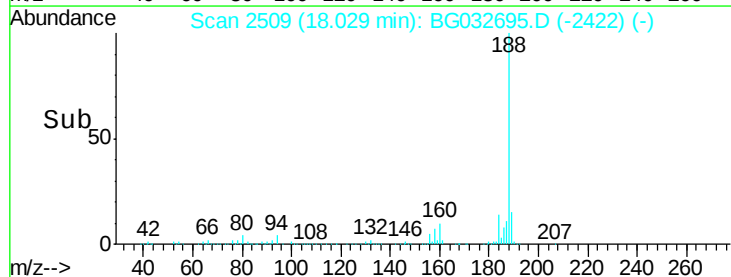
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.4	6.9	10.3#
80	4.4	7.7	11.5#

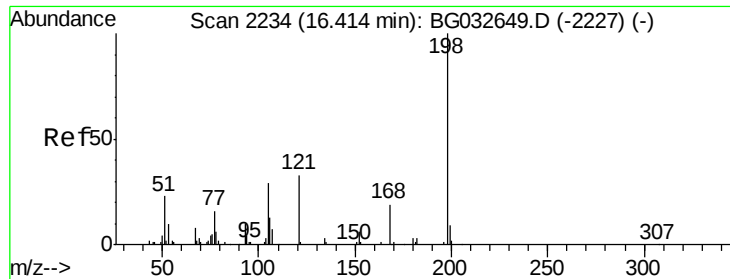


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

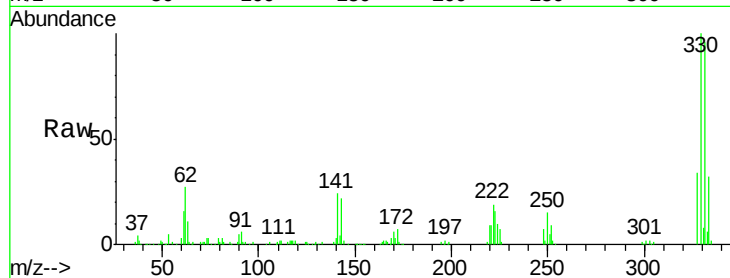




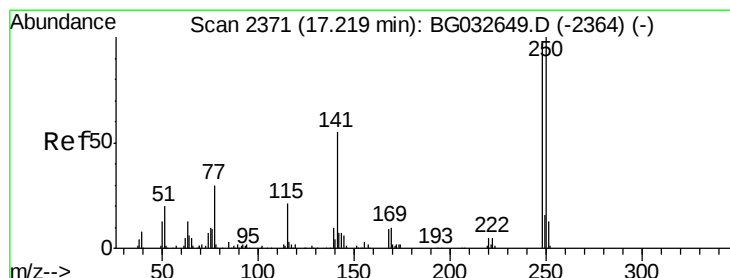
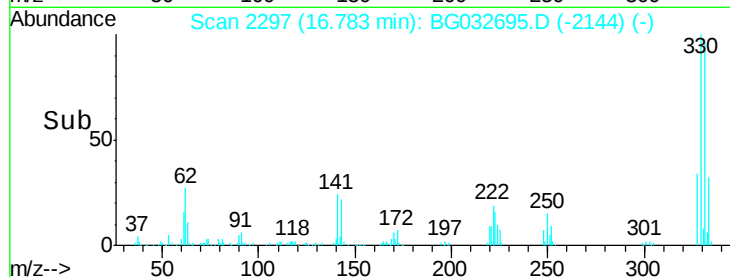
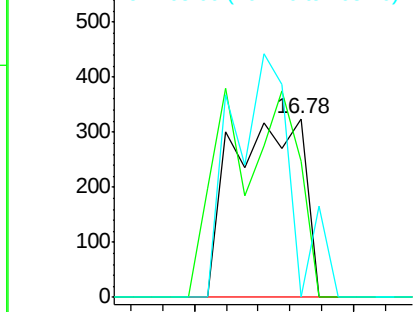
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.28 ng
 RT: 16.78 min Scan# 2297
 Delta R.T. 0.37 min
 Lab File: BG032695.D
 Acq: 14 Feb 2018 23:54

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 510
 Ion Ratio Lower Upper
 198 100
 51 76.0 30.6 70.6#
 105 127.1 23.8 63.8#

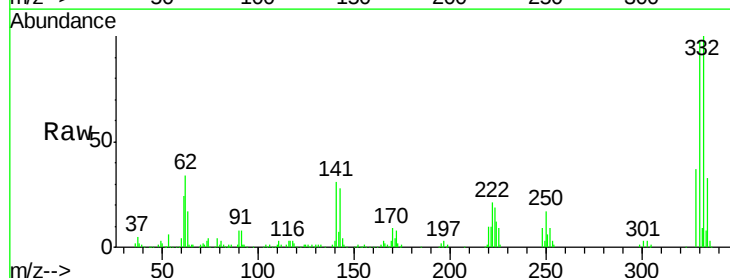


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

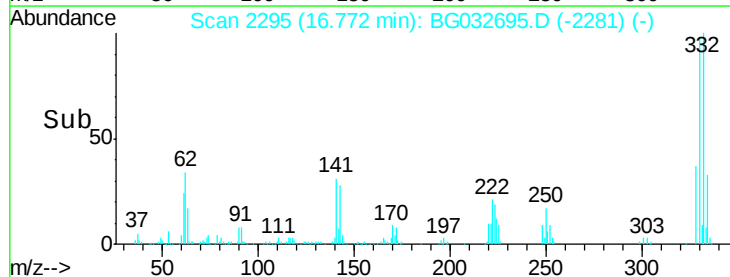
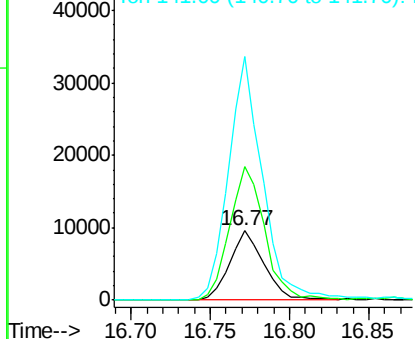


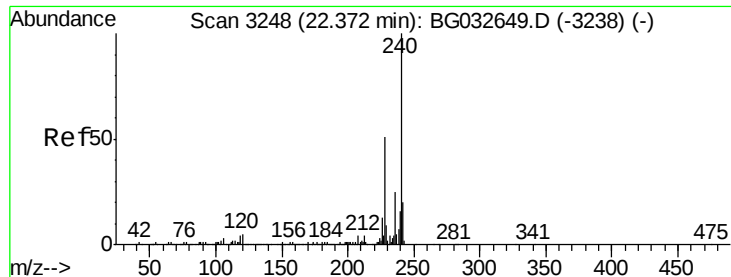
#66
 4-Bromophenyl-phenylether
 Concen: 4.07 ng
 RT: 16.77 min Scan# 2295
 Delta R.T. -0.45 min
 Lab File: BG032695.D
 Acq: 14 Feb 2018 23:54

Tgt Ion:248 Resp: 14443
 Ion Ratio Lower Upper
 248 100
 250 193.2 77.1 115.7#
 141 352.8 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: 20.00 ng

RT: 22.35 min Scan# 3245

Delta R.T. -0.02 min

Lab File: BG032695.D

Acq: 14 Feb 2018 23:54

Instrument :

BNA_G

ClientSampled :

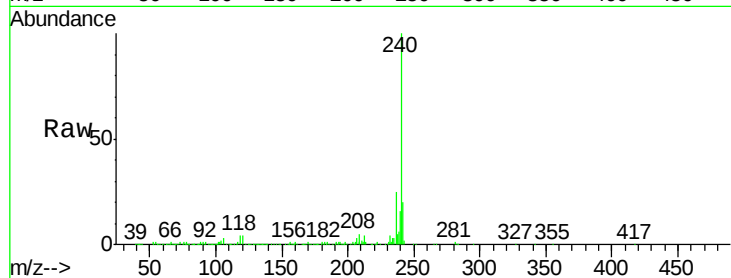
Tot Ion:240 Resp: 356183

Ion Ratio Lower Upper

240 100

120 4.0 6.8 10.2#

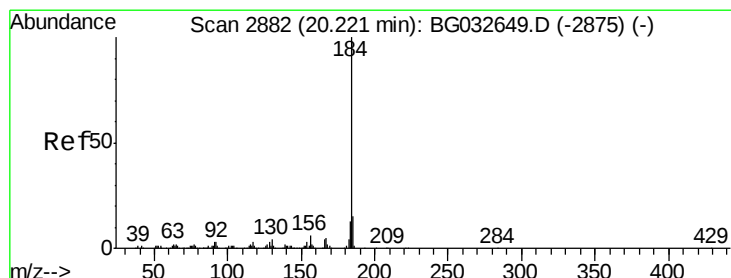
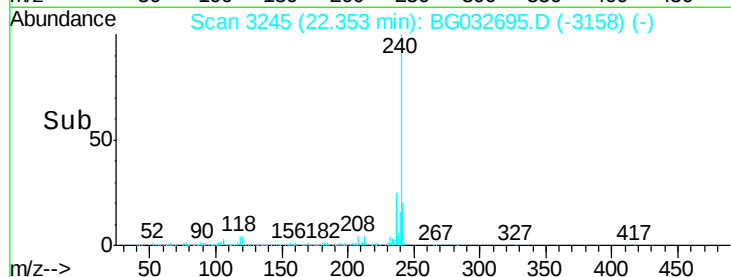
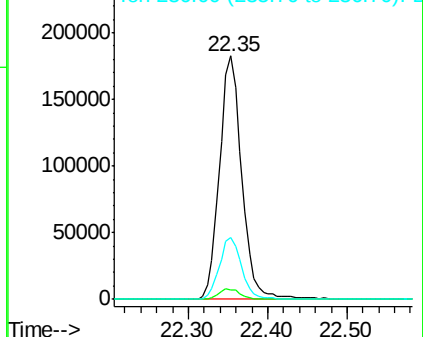
236 25.2 20.9 31.3



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: 2.03 ng

RT: 20.57 min Scan# 2942

Delta R.T. 0.35 min

Lab File: BG032695.D

Acq: 14 Feb 2018 23:54

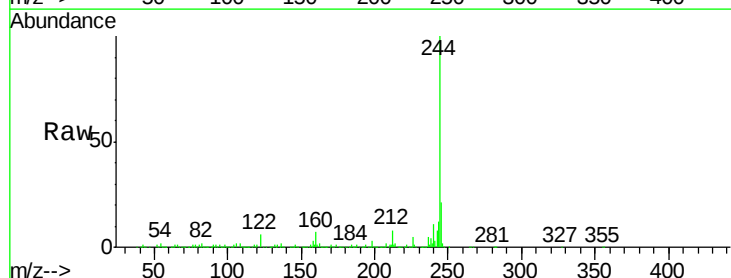
Tgt Ion:184 Resp: 17061

Ion Ratio Lower Upper

184 100

185 23.6 11.1 16.7#

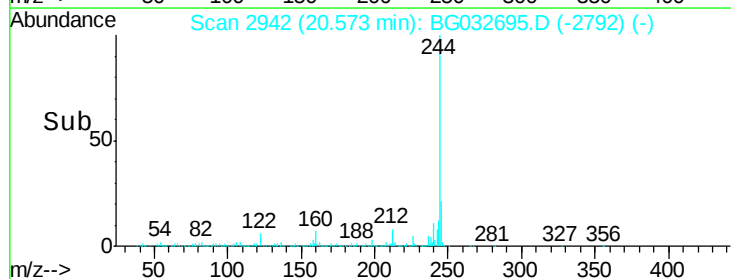
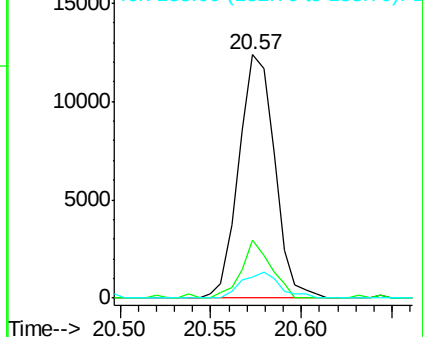
183 8.8 10.6 16.0#

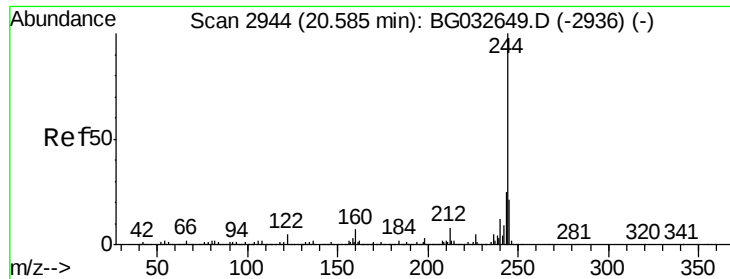


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 77.05 ng

RT: 20.57 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG032695.D

Acq: 14 Feb 2018 23:54

Instrument :

BNA_G

ClientSampleId :

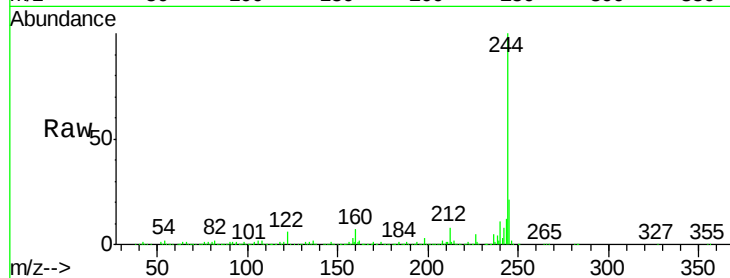
Tot Ion:244 Resp: 1204066

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

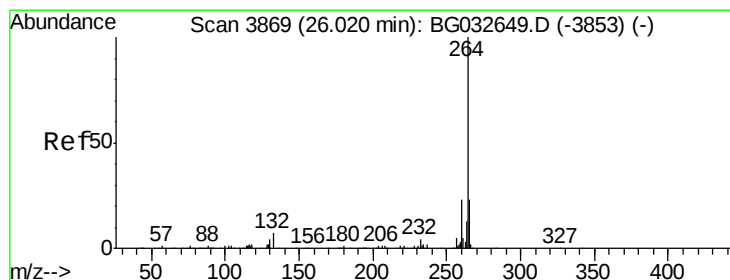
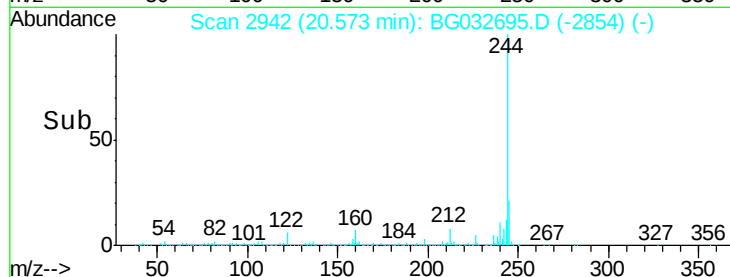
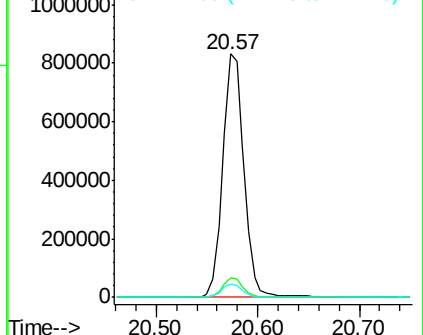
122 5.7 7.0 10.4#



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: 20.00 ng

RT: 25.98 min Scan# 3863

Delta R.T. -0.04 min

Lab File: BG032695.D

Acq: 14 Feb 2018 23:54

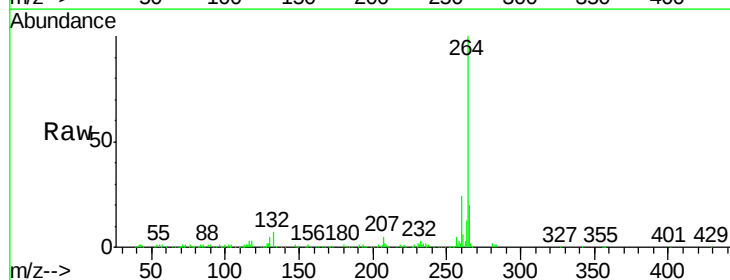
Tgt Ion:264 Resp: 370158

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 20.5 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

