

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036411.D
 Acq On : 24 Aug 2018 13:07
 Operator : JU/SJ
 Sample : J4585-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 13:50:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 23 12:07:02 2018
 Response via : Initial Calibration

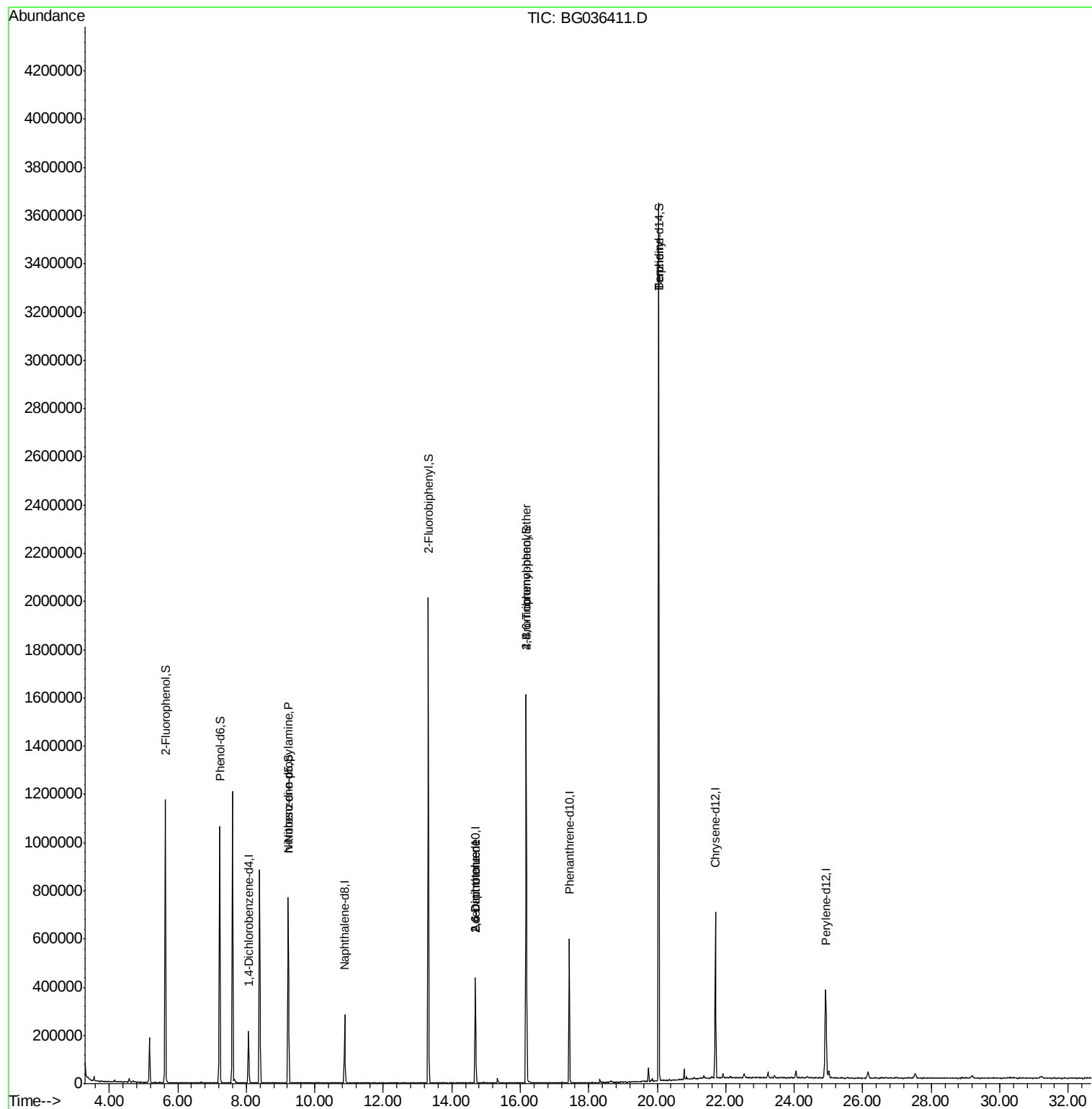
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	59324	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	236385	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	150138	20.00	ng	-0.02
63) Phenanthrene-d10	17.43	188	379953	20.00	ng	0.00
75) Chrysene-d12	21.70	240	414206	20.00	ng	0.00
86) Perylene-d12	24.91	264	418096	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	482746	129.08	ng	0.00
7) Phenol-d6	7.22	99	609746	113.88	ng	0.00
23) Nitrobenzene-d5	9.23	82	450125	103.32	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	289444	161.57	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	1009528	96.01	ng	0.00
78) Terphenyl-d14	20.04	244	1700852	95.98	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	60217	15.048	ng	# 72
50) 2,6-Dinitrotoluene	14.69	165	19554	7.751	ng	# 22
56) 2,4-Dinitrotoluene	14.69	165	19554	5.947	ng	# 21
66) 4-Bromophenyl-phenylether	16.17	248	21098	4.743	ng	# 1
76) Benzidine	20.04	184	30319	2.294	ng	# 95

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

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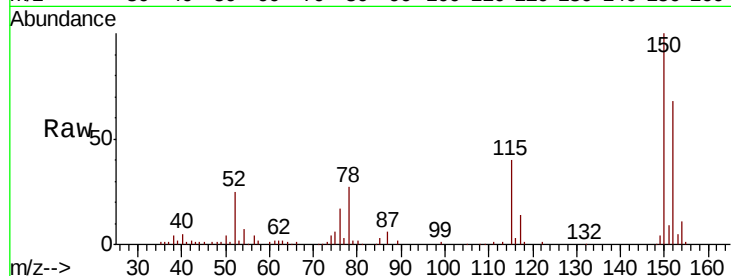


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BG036411.D
 Acq: 24 Aug 2018 13:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.8	119.5	179.3
115	58.3	44.5	66.7

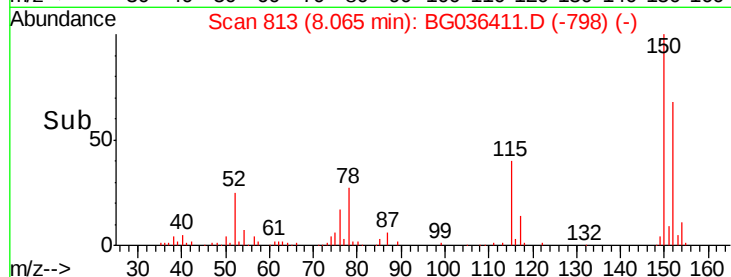
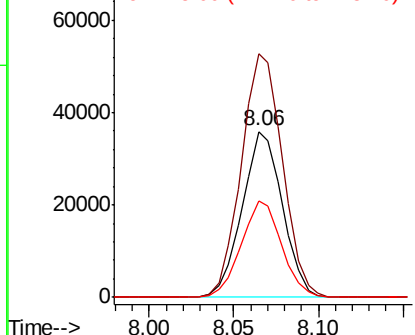


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

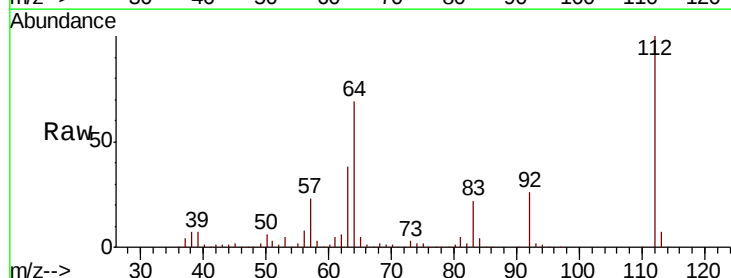
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 129.084 ng
 RT: 5.64 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: BG036411.D
 Acq: 24 Aug 2018 13:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	57.2	85.8
63	37.5	30.8	46.2

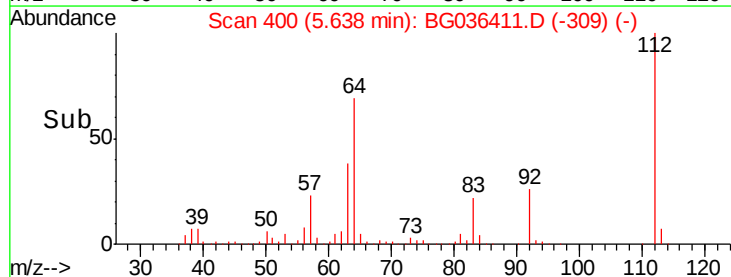
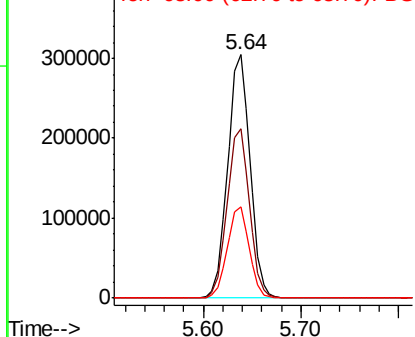


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 113.877 ng

RT: 7.22 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG036411.D

Acq: 24 Aug 2018 13:07

Instrument :

BNA_G

ClientSampleId :

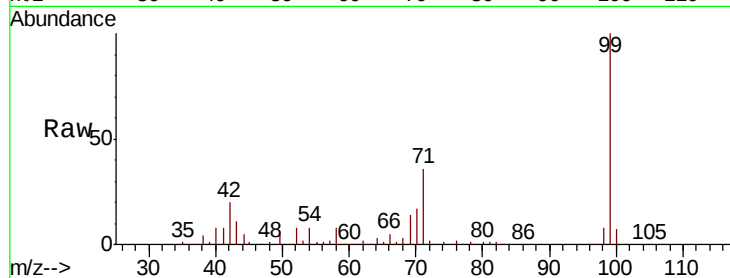
Tot Ion: 99 Resp: 609746

Ion Ratio Lower Upper

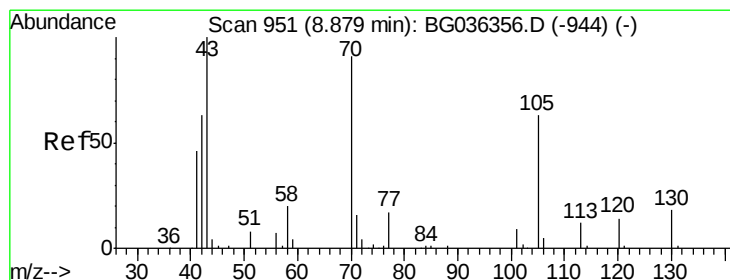
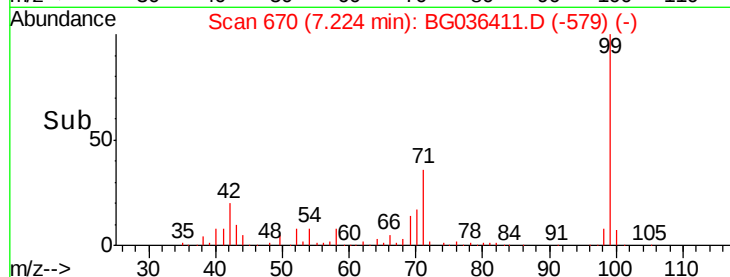
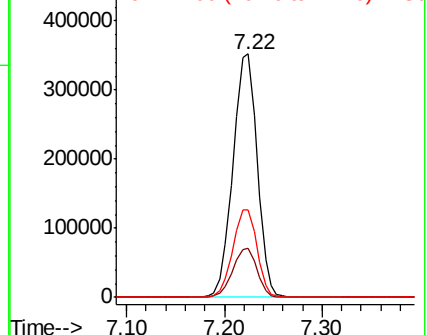
99 100

42 20.0 16.5 24.7

71 36.1 29.4 44.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.048 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036411.D

Acq: 24 Aug 2018 13:07

Tgt Ion: 70 Resp: 60217

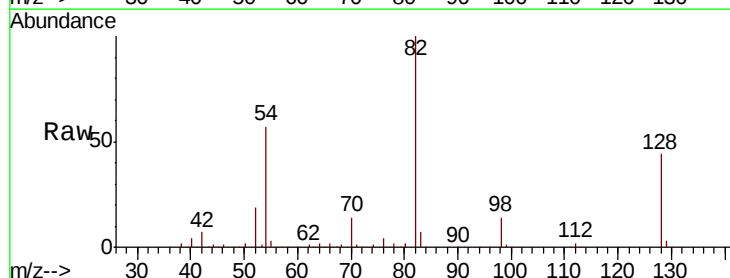
Ion Ratio Lower Upper

70 100

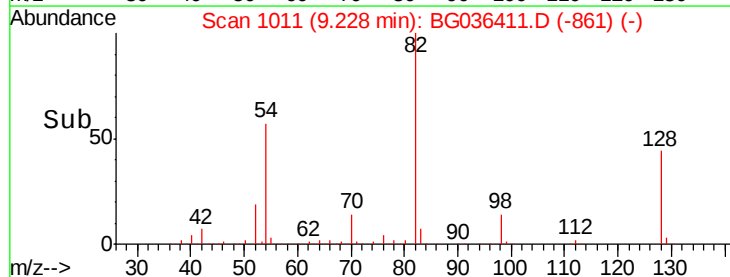
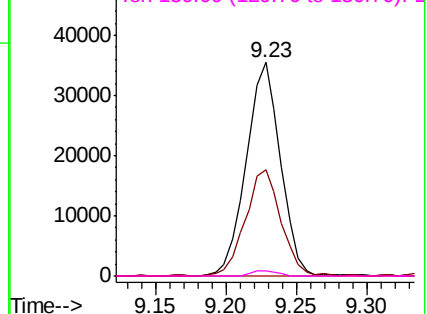
42 49.9 56.2 84.4#

101 0.0 7.8 11.6#

130 2.4 16.2 24.2#



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

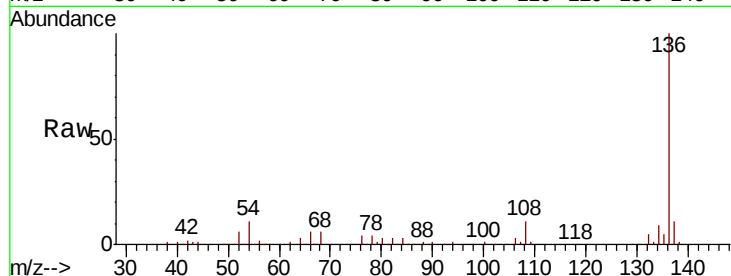




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036411.D
Acq: 24 Aug 2018 13:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	236385
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.8 13.2
54	10.8	9.2 13.8
68	6.4	5.8 8.6



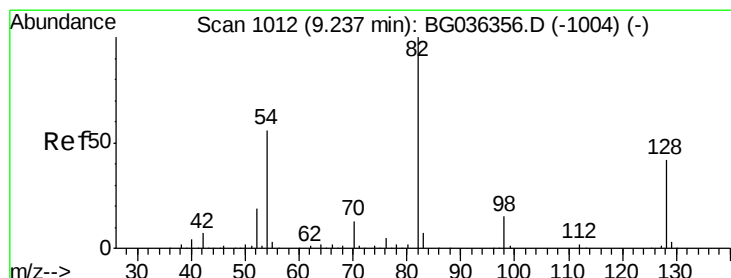
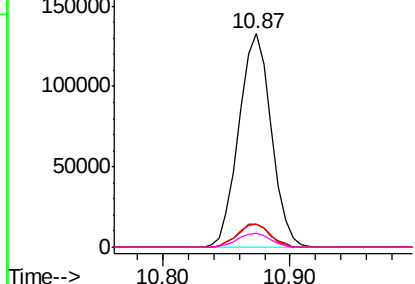
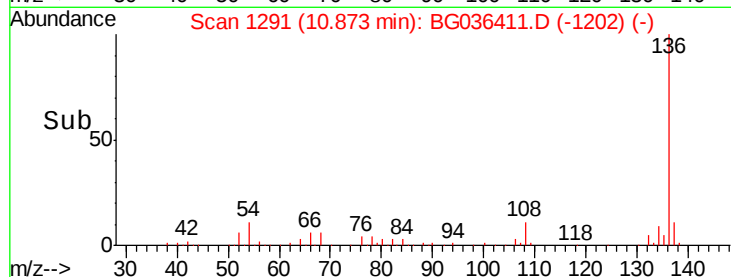
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

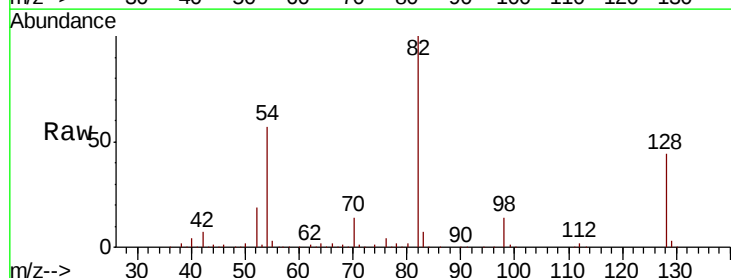
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 103.316 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036411.D
Acq: 24 Aug 2018 13:07

Tgt Ion: 82	Resp:	450125
Ion Ratio	Lower	Upper
82	100	
128	43.9	33.3 49.9
54	57.1	45.1 67.7

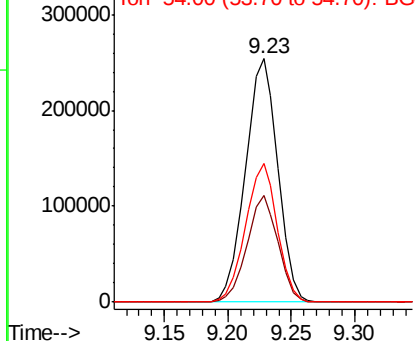
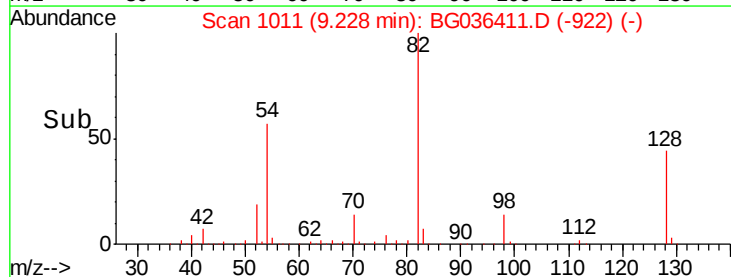


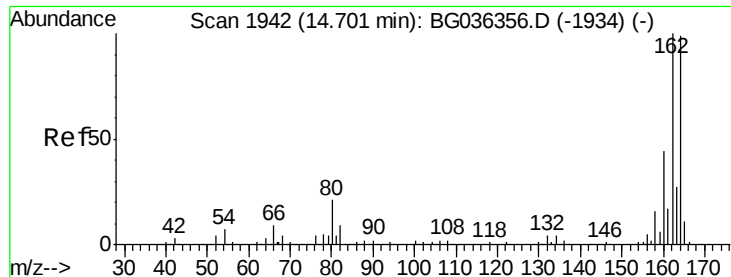
Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1940

Delta R.T. -0.02 min

Lab File: BG036411.D

Acq: 24 Aug 2018 13:07

Instrument :

BNA_G

ClientSampleId :

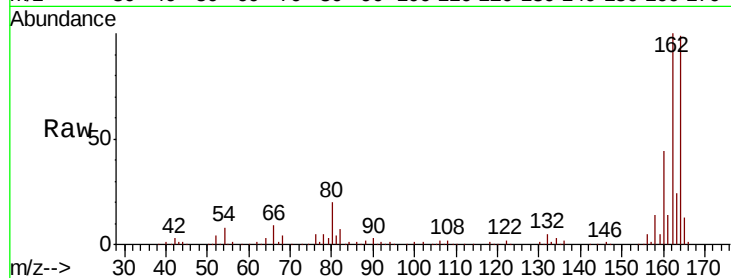
Tot Ion:164 Resp: 150138

Ion Ratio Lower Upper

164 100

162 100.7 80.7 121.1

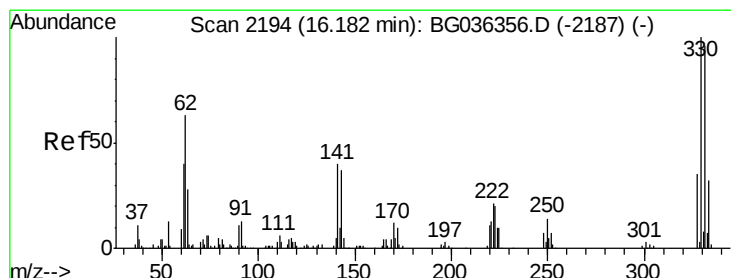
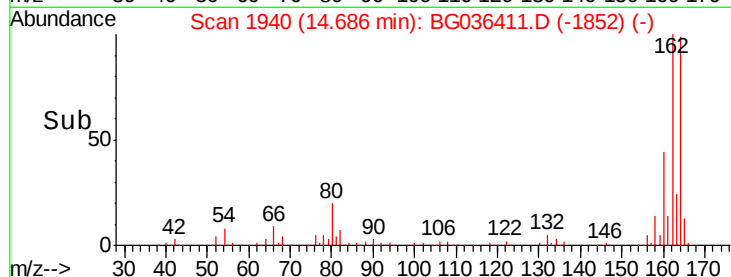
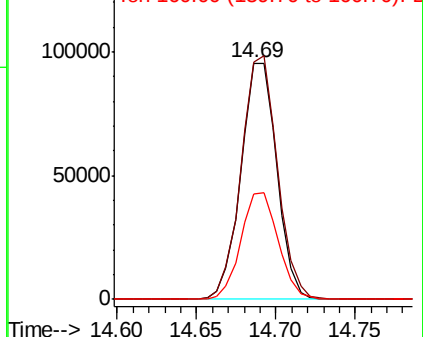
160 44.6 35.3 52.9



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: 161.567 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG036411.D

Acq: 24 Aug 2018 13:07

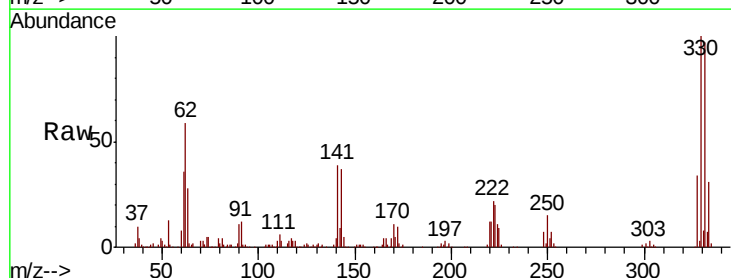
Tgt Ion:330 Resp: 289444

Ion Ratio Lower Upper

330 100

332 96.5 75.4 113.2

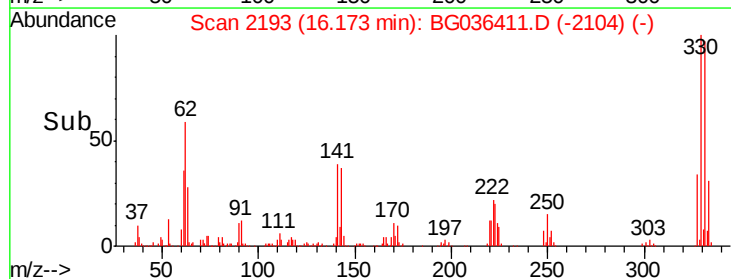
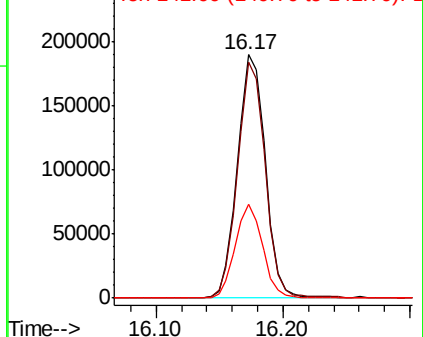
141 37.7 30.7 46.1



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

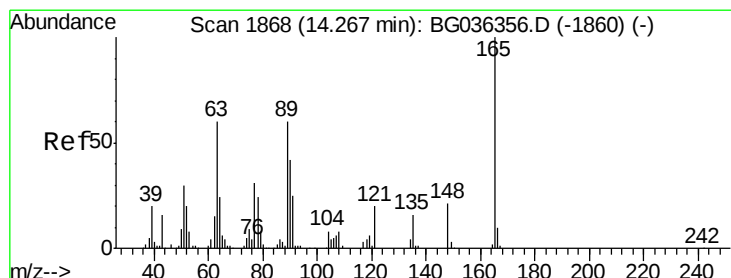
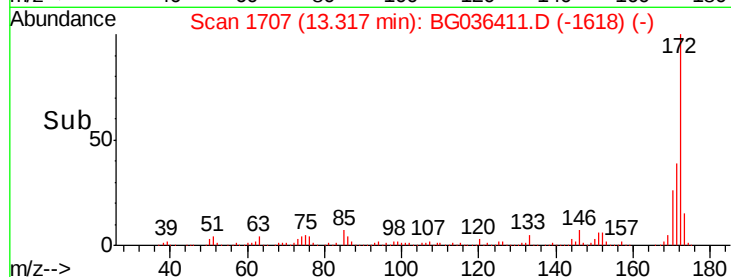
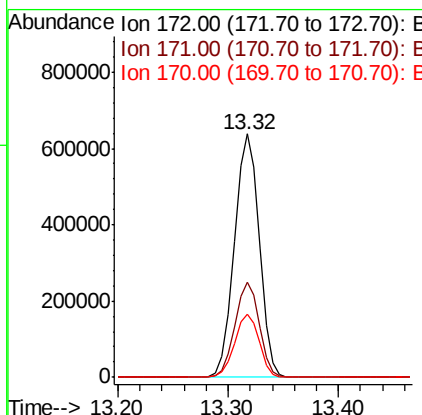
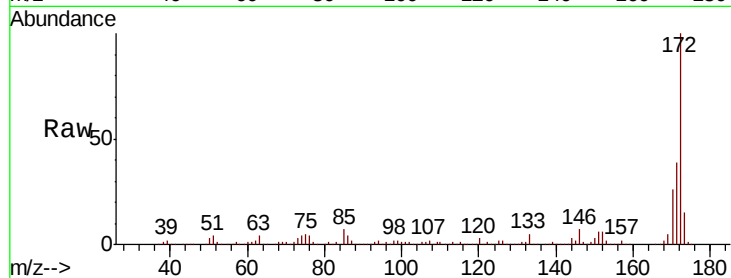




#44
 2-Fluorobiphenyl
 Concen: 96.007 ng
 RT: 13.32 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BG036411.D
 Acq: 24 Aug 2018 13:07

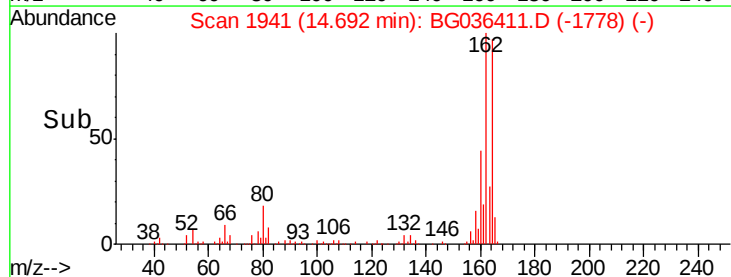
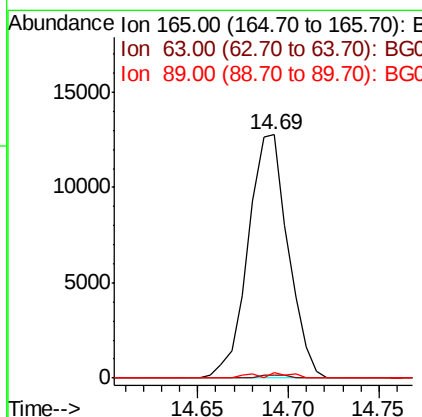
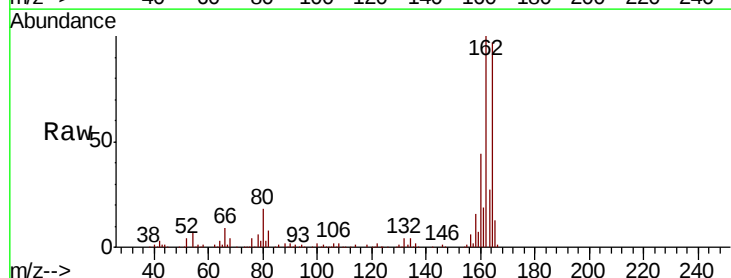
Instrument :
 BNA_G
 ClientSampleId :

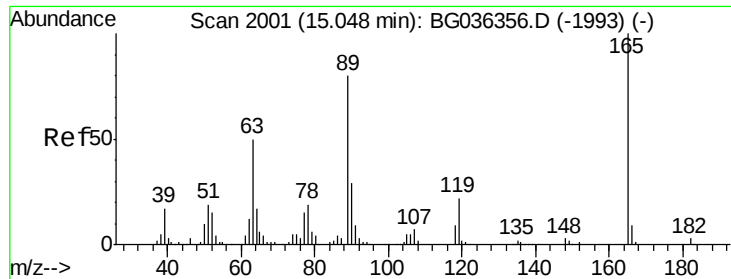
Tot Ion:172 Resp: 1009528
 Ion Ratio Lower Upper
 172 100
 171 39.3 31.3 46.9
 170 26.0 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.751 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. 0.43 min
 Lab File: BG036411.D
 Acq: 24 Aug 2018 13:07

Tgt Ion:165 Resp: 19554
 Ion Ratio Lower Upper
 165 100
 63 1.5 50.1 75.1#
 89 2.4 47.8 71.6#

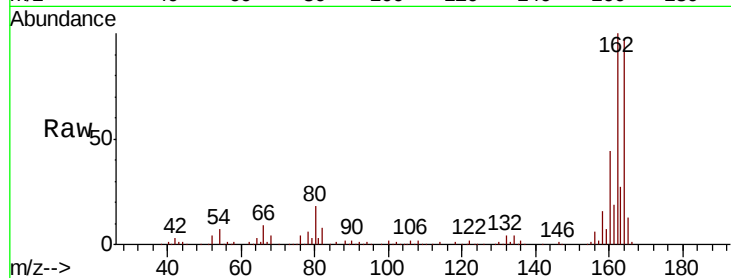




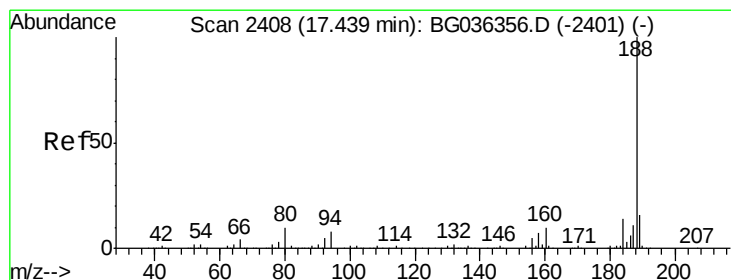
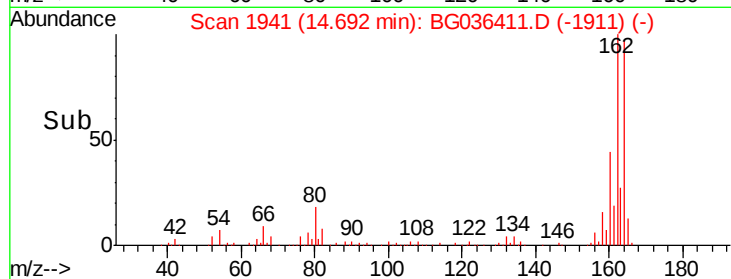
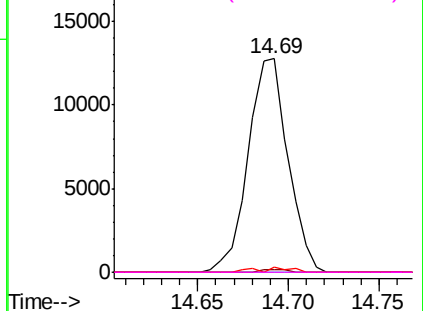
#56
2,4-Dinitrotoluene
Concen: 5.947 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.35 min
Lab File: BG036411.D
Acq: 24 Aug 2018 13:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	40.1	60.1#
89	2.4	63.7	95.5#
182	0.0	2.5	3.7#

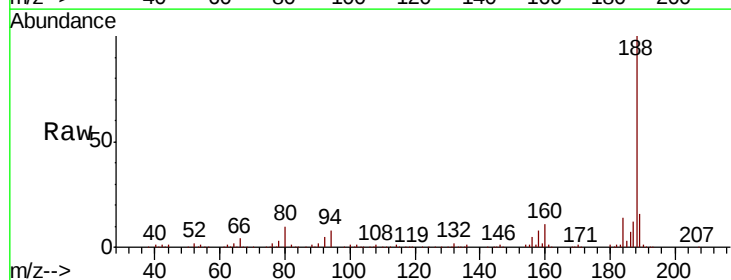


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

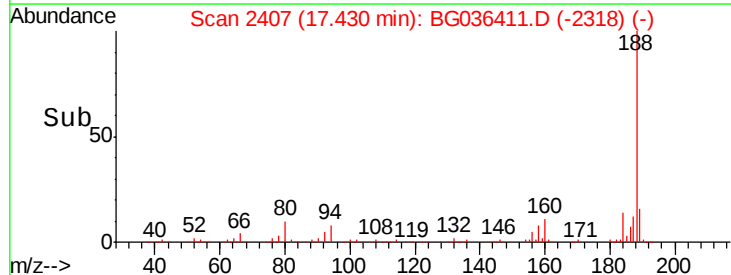
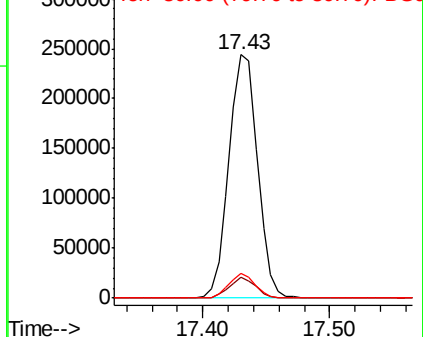


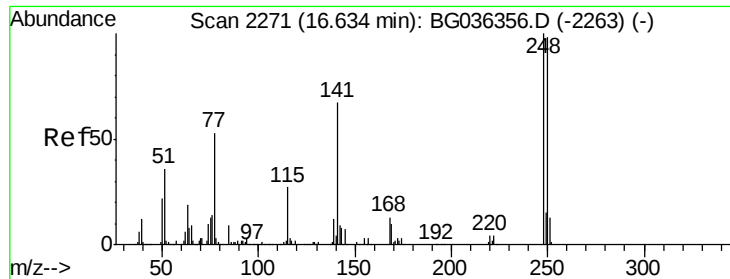
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BG036411.D
Acq: 24 Aug 2018 13:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.7	10.1
80	10.2	8.1	12.1



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

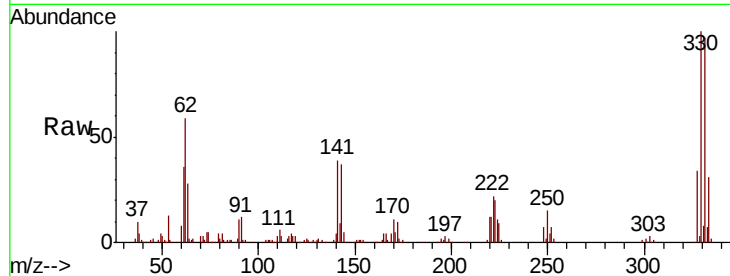




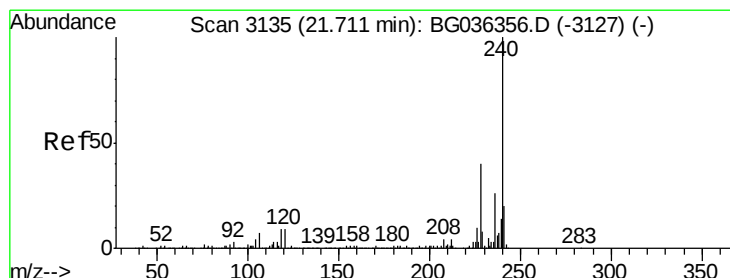
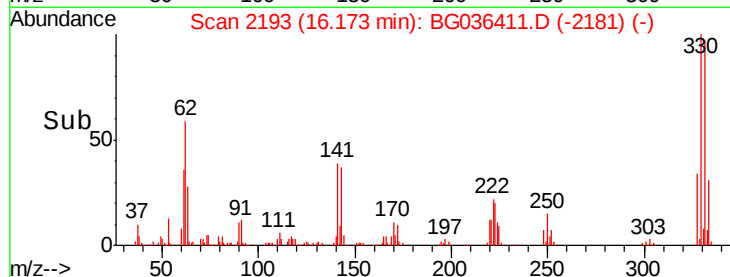
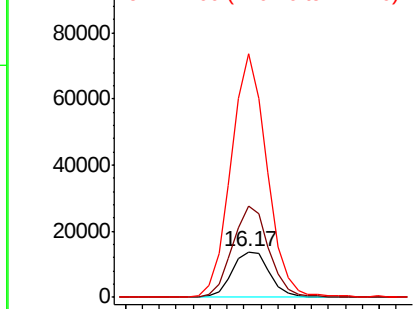
#66
4-Bromophenyl-phenylether
Concen: 4.743 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG036411.D
Acq: 24 Aug 2018 13:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 21098
Ion Ratio Lower Upper
248 100
250 200.2 78.1 117.1#
141 532.0 53.7 80.5#

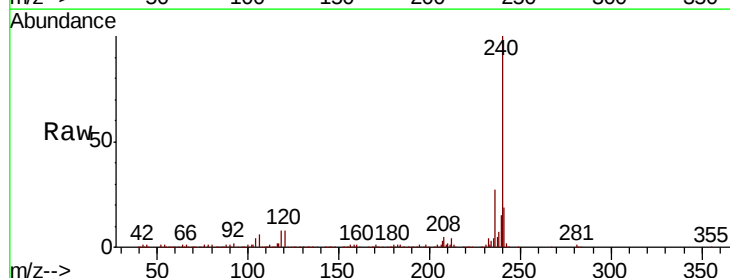


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

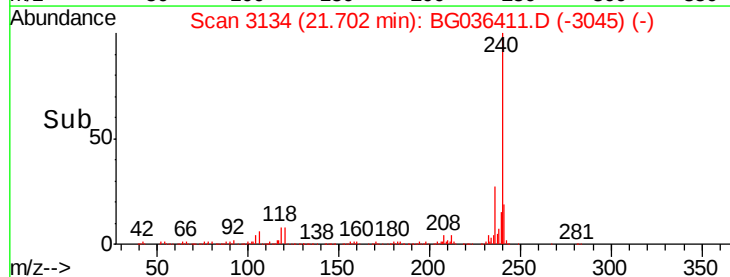
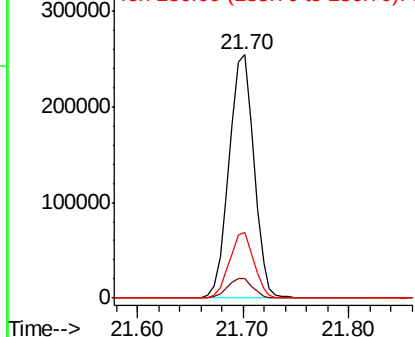


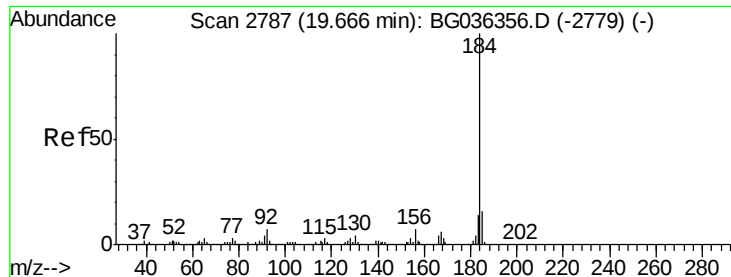
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3134
Delta R.T. -0.01 min
Lab File: BG036411.D
Acq: 24 Aug 2018 13:07

Tgt Ion:240 Resp: 414206
Ion Ratio Lower Upper
240 100
120 8.2 6.9 10.3
236 27.0 21.2 31.8



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: 2.294 ng

RT: 20.04 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG036411.D

Acq: 24 Aug 2018 13:07

Instrument :

BNA_G

ClientSampleId :

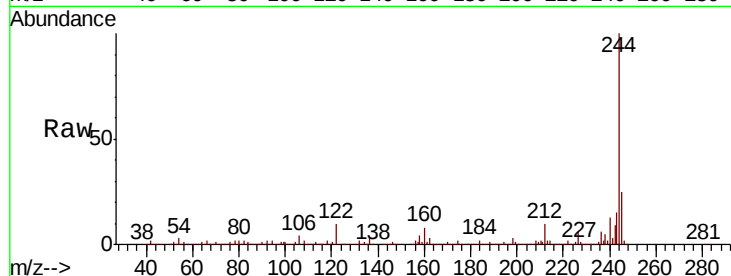
Tot Ion:184 Resp: 30319

Ion Ratio Lower Upper

184 100

185 16.2 12.6 18.8

183 10.1 10.9 16.3#

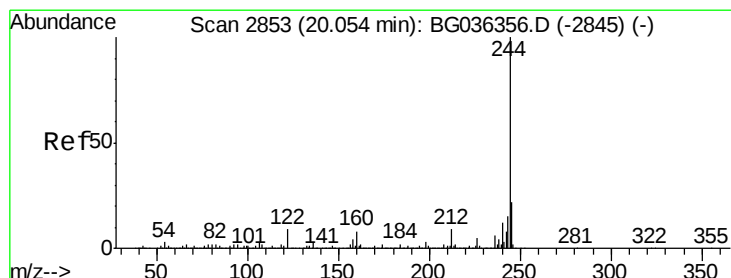
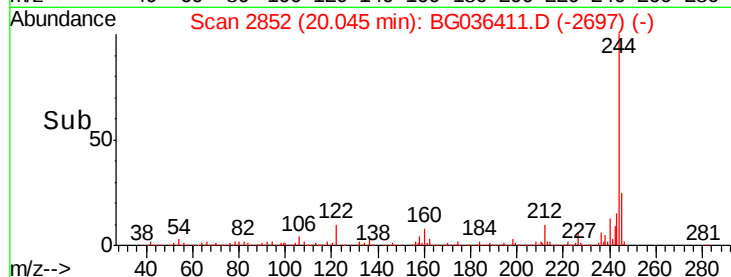
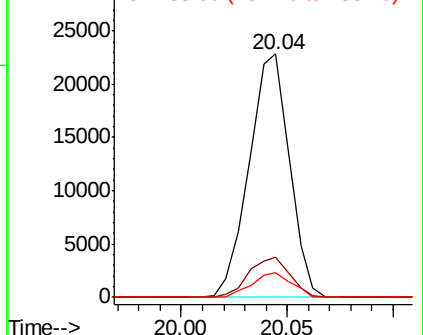


Abundance

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: 95.978 ng

RT: 20.04 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG036411.D

Acq: 24 Aug 2018 13:07

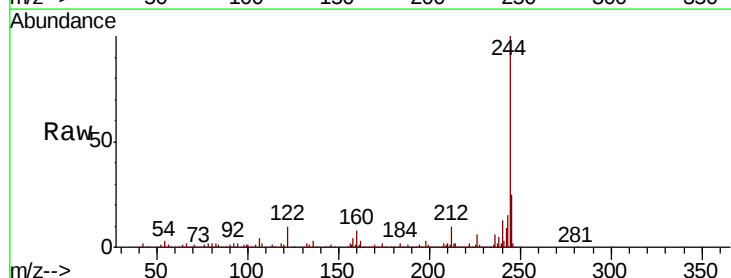
Tgt Ion:244 Resp: 1700852

Ion Ratio Lower Upper

244 100

212 9.6 7.0 10.6

122 9.6 7.1 10.7

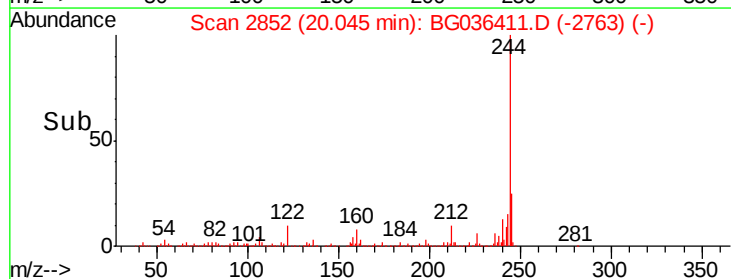
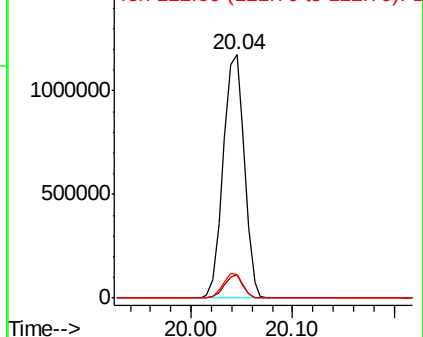


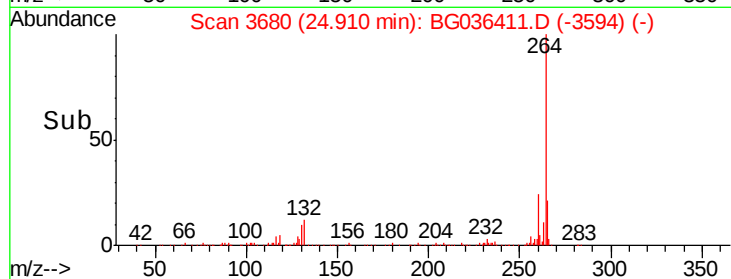
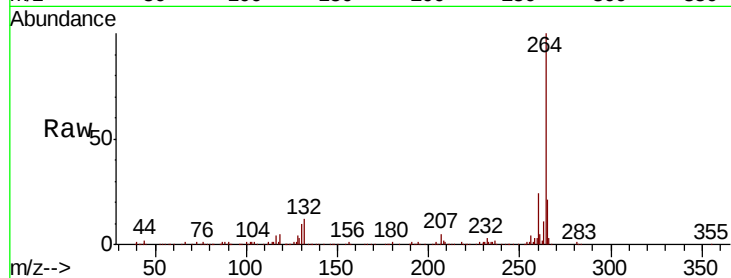
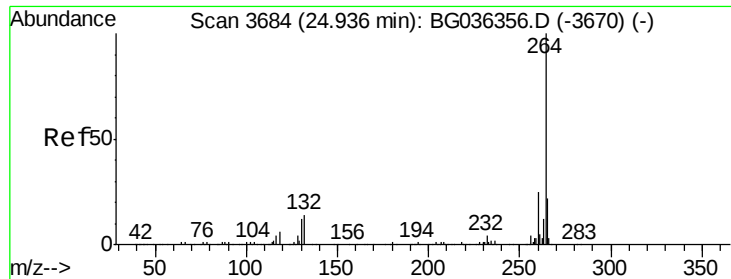
Abundance

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: 20.000 ng
 RT: 24.91 min Scan# 3680
 Delta R.T. -0.03 min
 Lab File: BG036411.D
 Acq: 24 Aug 2018 13:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	418096
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	21.1	17.4	26.0

