

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036412.D
 Acq On : 24 Aug 2018 13:45
 Operator : JU/SJ
 Sample : J4568-08
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 14:21:22 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

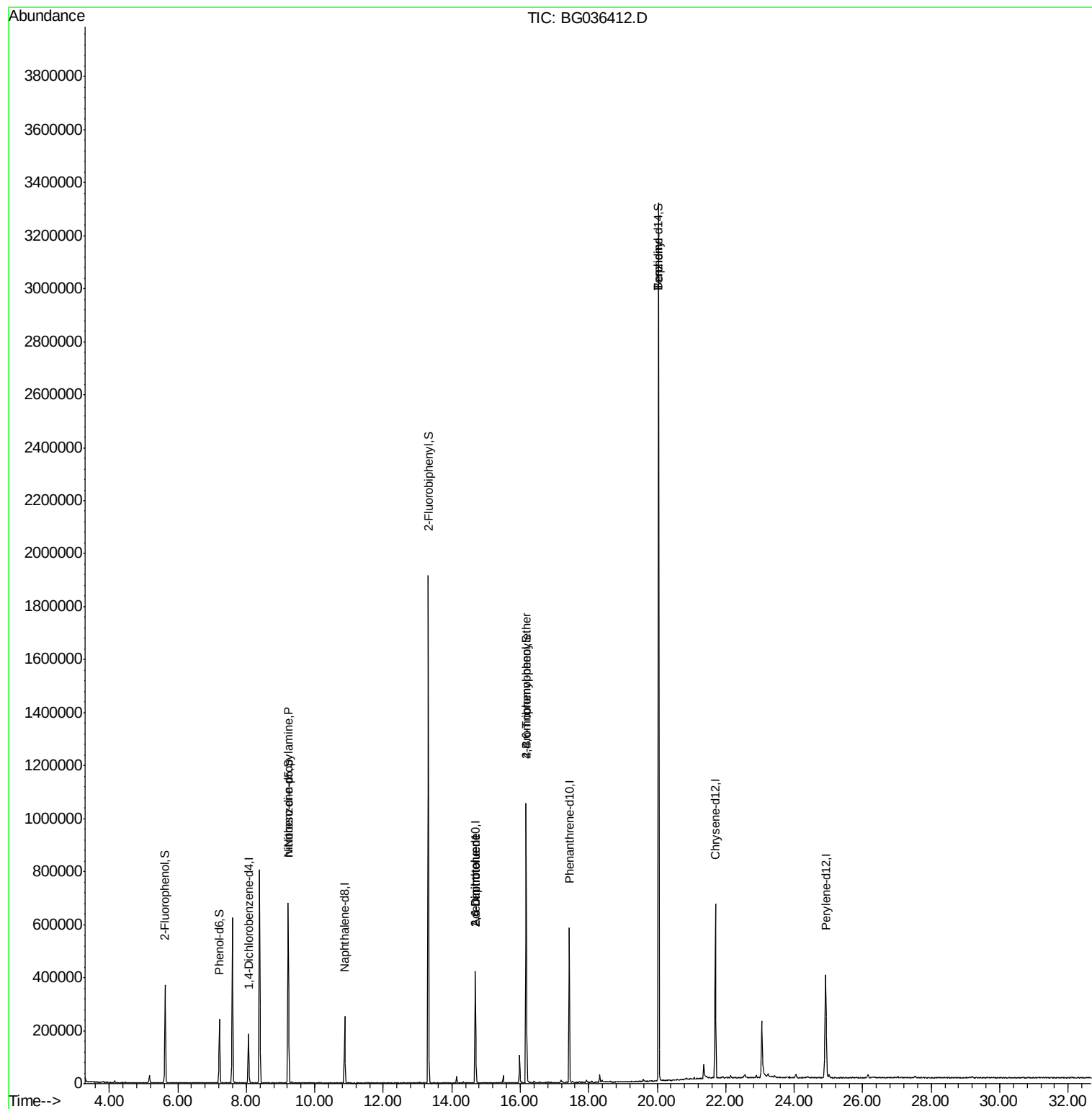
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	50592	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	213043	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	138118	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	359720	20.00	ng	0.00
75) Chrysene-d12	21.70	240	404679	20.00	ng	-0.01
86) Perylene-d12	24.92	264	410342	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	151606	47.54	ng	0.00
7) Phenol-d6	7.21	99	136157	29.82	ng	0.00
23) Nitrobenzene-d5	9.23	82	410257	104.48	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	183361	111.26	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	955386	98.76	ng	0.00
78) Terphenyl-d14	20.04	244	1539627	88.93	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	55766	16.341	ng	# 68
50) 2,6-Dinitrotoluene	14.69	165	17853	7.693	ng	# 23
56) 2,4-Dinitrotoluene	14.69	165	17853	5.903	ng	# 21
66) 4-Bromophenyl-phenylether	16.17	248	12471	2.961	ng	# 1
76) Benzidine	20.04	184	27261	2.111	ng	# 92

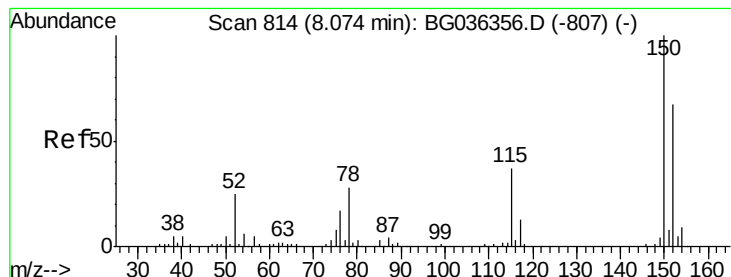
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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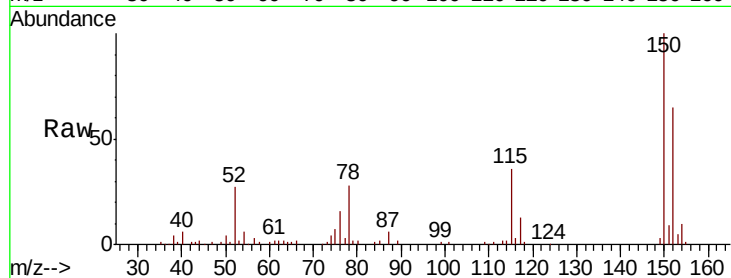


#1

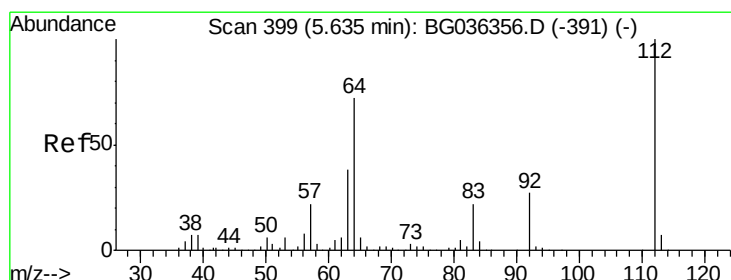
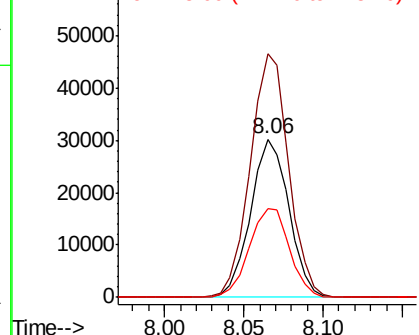
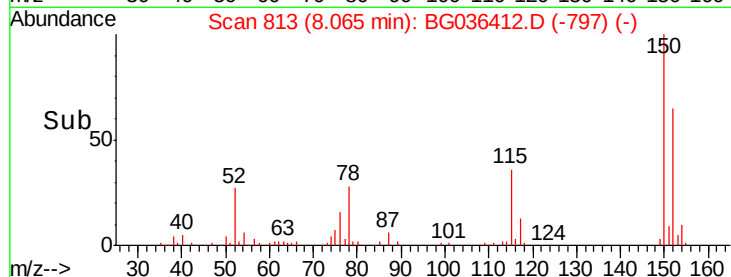
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG036412.D
Acq: 24 Aug 2018 13:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50592
Ion Ratio Lower Upper
152 100
150 153.6 119.5 179.3
115 55.6 44.5 66.7



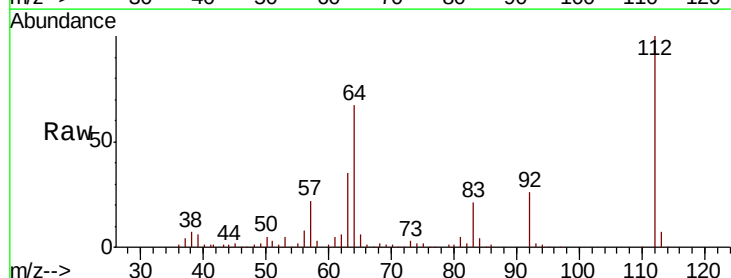
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



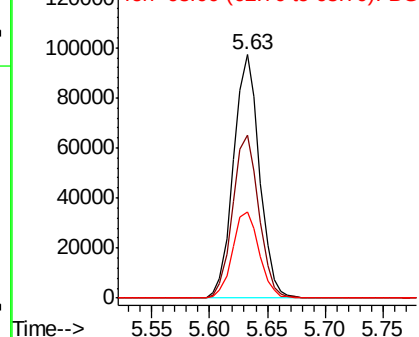
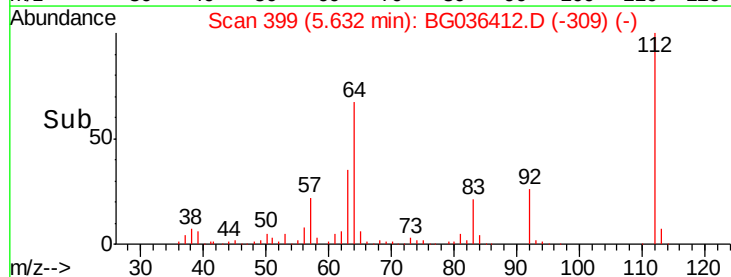
#5

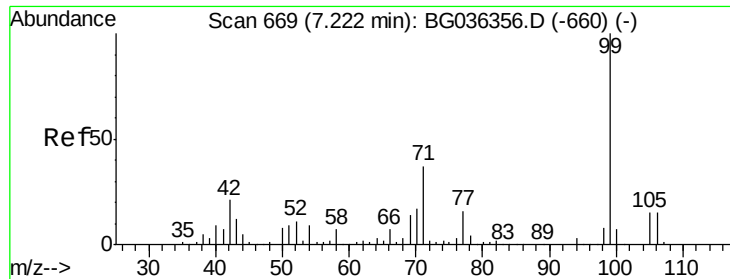
2-Fluorophenol
Concen: 47.536 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG036412.D
Acq: 24 Aug 2018 13:45

Tgt Ion:112 Resp: 151606
Ion Ratio Lower Upper
112 100
64 67.0 57.2 85.8
63 35.4 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: 29.818 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036412.D

Acq: 24 Aug 2018 13:45

Instrument :

BNA_G

ClientSampled :

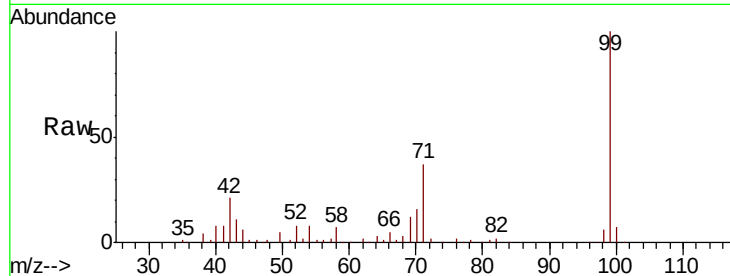
Tot Ion: 99 Resp: 136157

Ion Ratio Lower Upper

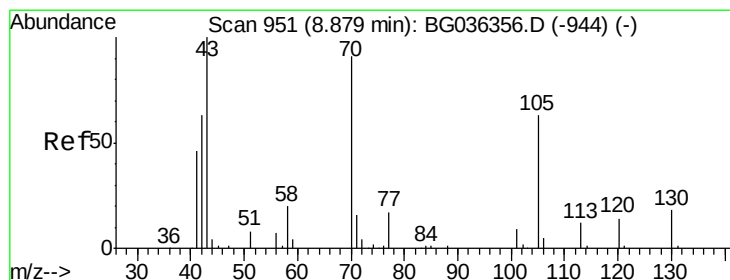
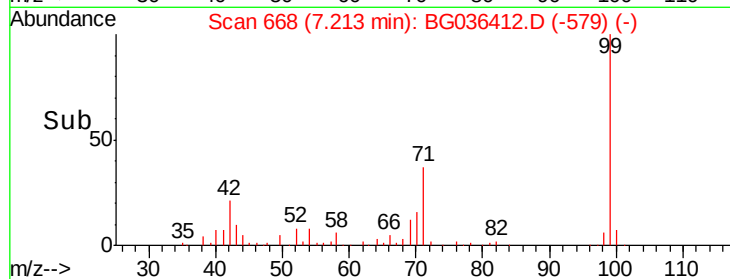
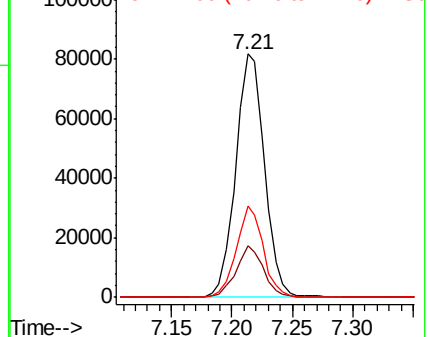
99 100

42 21.0 16.5 24.7

71 37.4 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: 16.341 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036412.D

Acq: 24 Aug 2018 13:45

Tgt Ion: 70 Resp: 55766

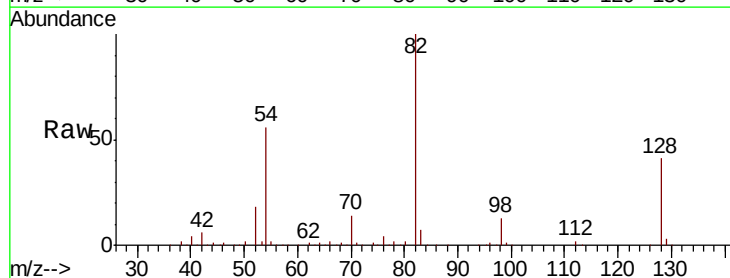
Ion Ratio Lower Upper

70 100

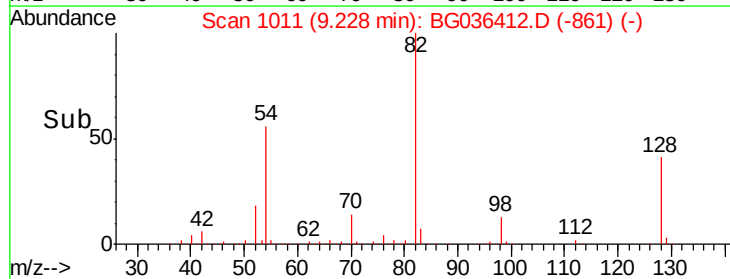
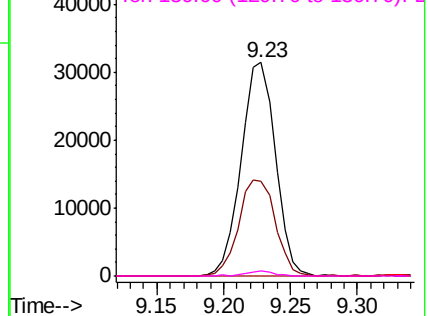
42 44.6 56.2 84.4#

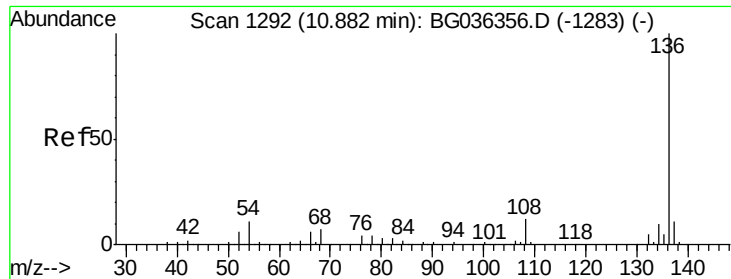
101 0.0 7.8 11.6#

130 2.2 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

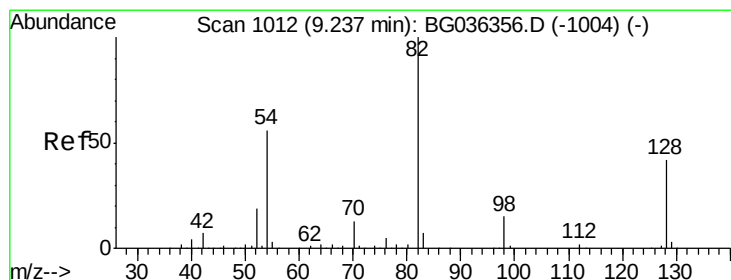
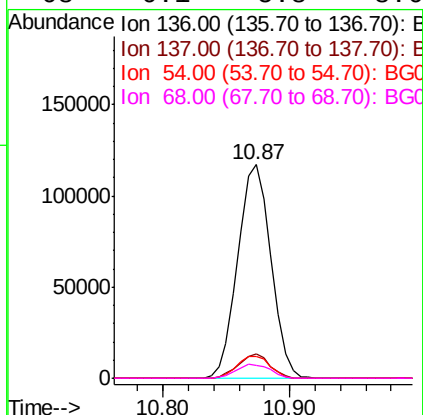
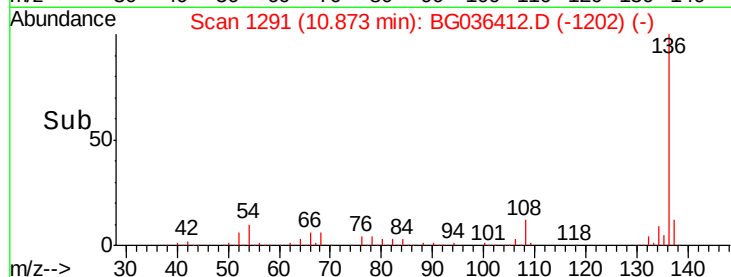
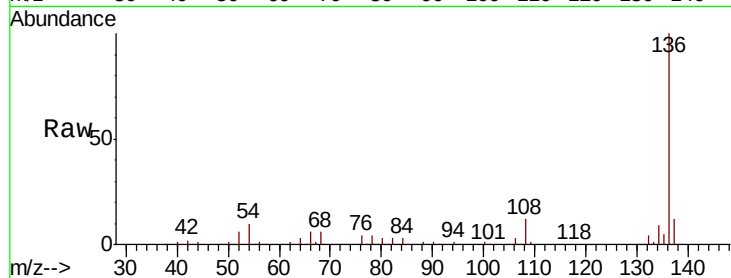




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036412.D
Acq: 24 Aug 2018 13:45

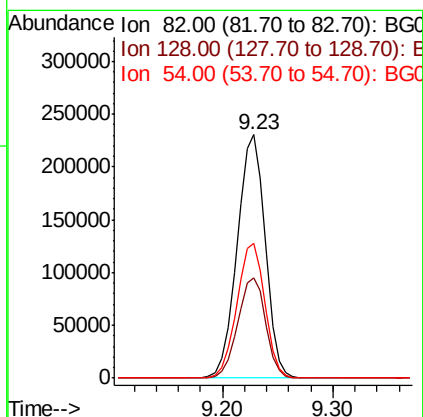
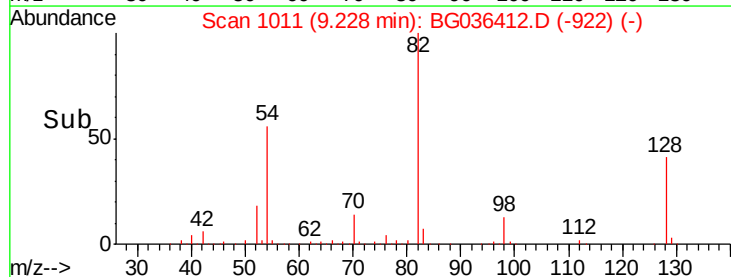
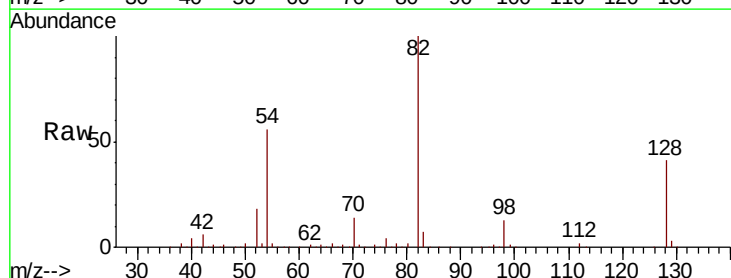
Instrument :
BNA_G
ClientSampleId :

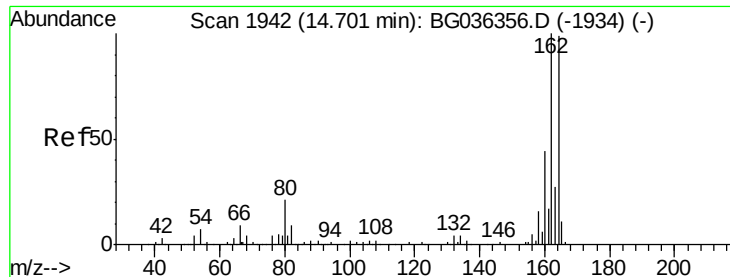
Tot Ion:136	Resp:	213043
Ion	Ratio	Lower Upper
136	100	
137	11.6	8.8 13.2
54	10.0	9.2 13.8
68	6.1	5.8 8.6



#23
Nitrobenzene-d5
Concen: 104.482 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036412.D
Acq: 24 Aug 2018 13:45

Tgt Ion: 82	Resp:	410257
Ion	Ratio	Lower Upper
82	100	
128	41.0	33.3 49.9
54	55.5	45.1 67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG036412.D

Acq: 24 Aug 2018 13:45

Instrument :

BNA_G

ClientSampleId :

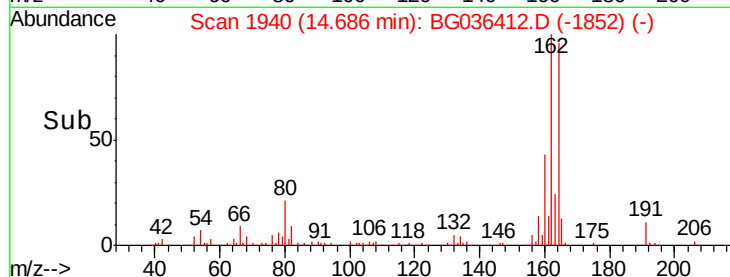
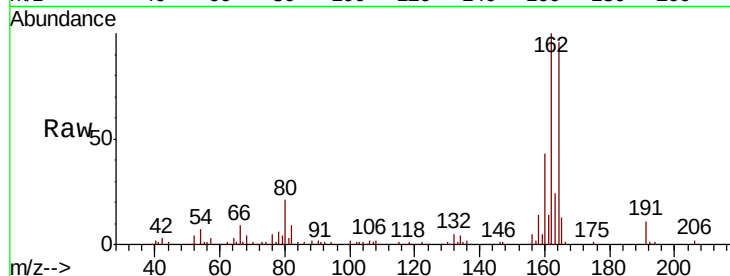
Tot Ion:164 Resp: 138118

Ion Ratio Lower Upper

164 100

162 104.6 80.7 121.1

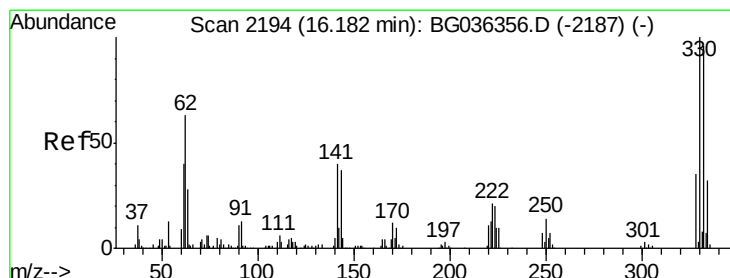
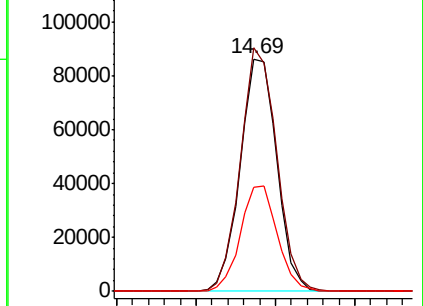
160 44.5 35.3 52.9



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: 111.259 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG036412.D

Acq: 24 Aug 2018 13:45

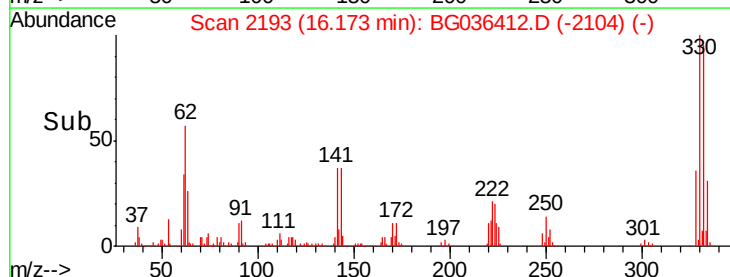
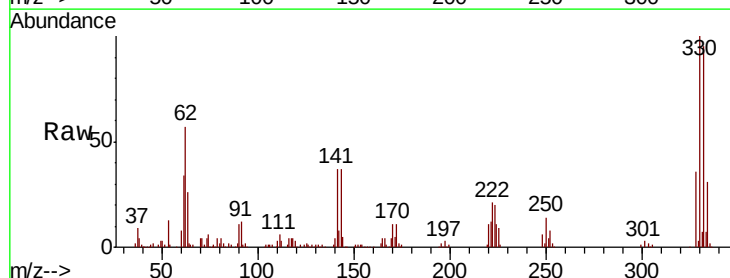
Tgt Ion:330 Resp: 183361

Ion Ratio Lower Upper

330 100

332 96.5 75.4 113.2

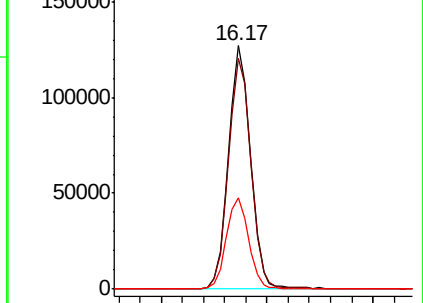
141 38.1 30.7 46.1

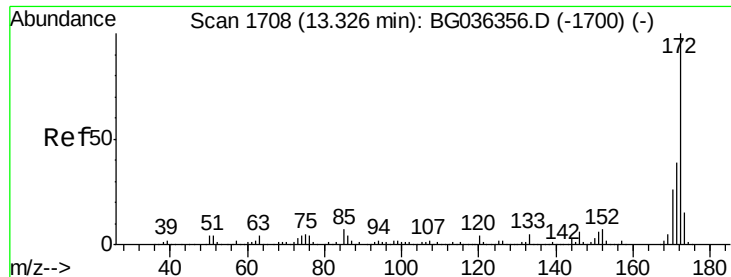


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

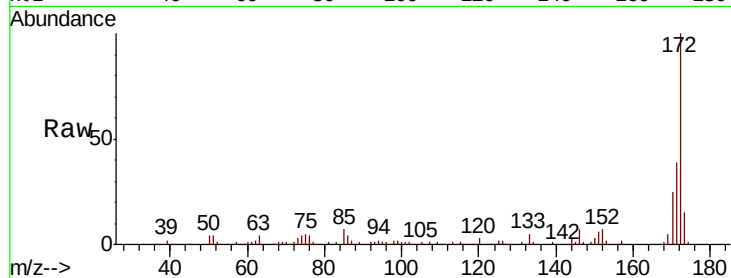




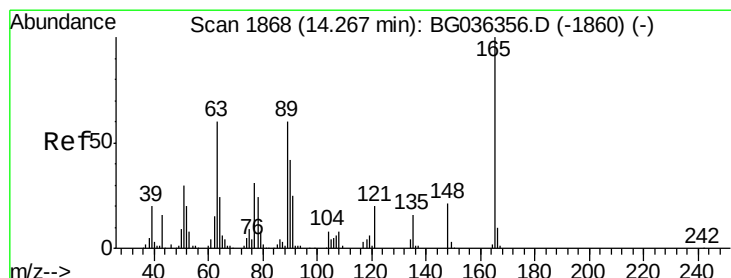
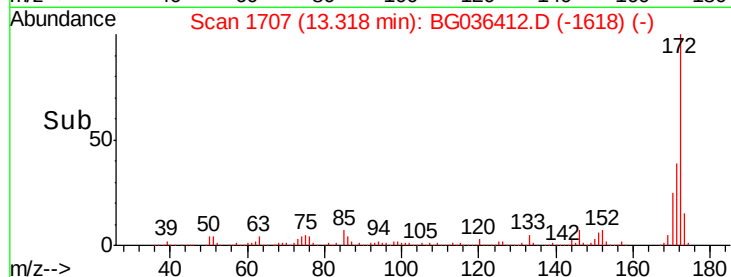
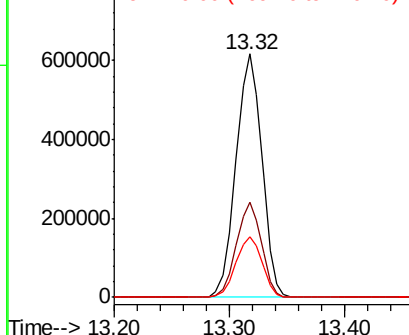
#44
 2-Fluorobiphenyl
 Concen: 98.765 ng
 RT: 13.32 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BG036412.D
 Acq: 24 Aug 2018 13:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.0	31.3	46.9
170	24.8	21.0	31.6

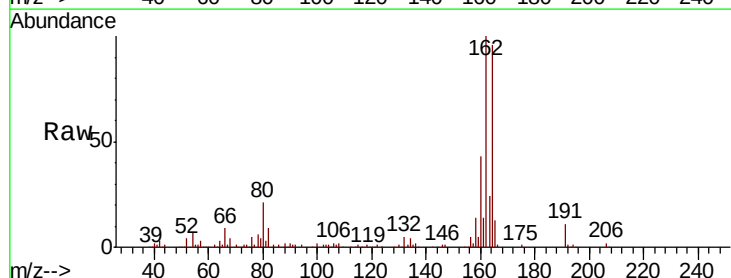


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

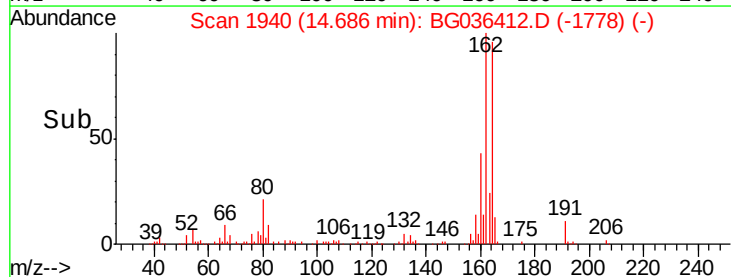
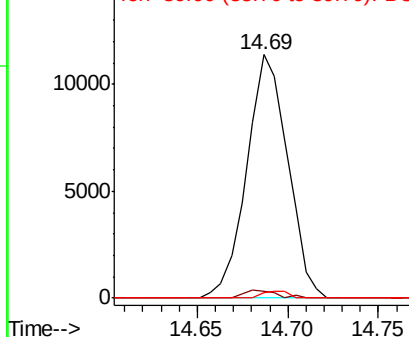


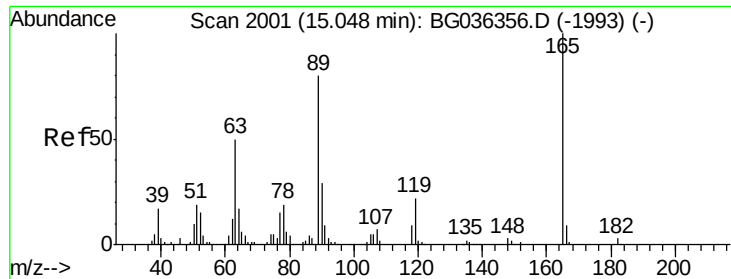
#50
 2,6-Dinitrotoluene
 Concen: 7.693 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. 0.42 min
 Lab File: BG036412.D
 Acq: 24 Aug 2018 13:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	50.1	75.1#
89	2.4	47.8	71.6#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 89.00 (88.70 to 89.70): BG0

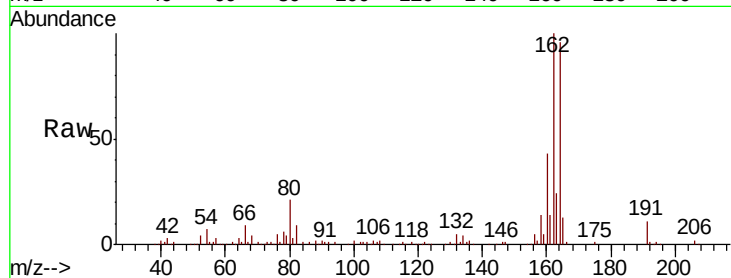




#56
 2,4-Dinitrotoluene
 Concen: 5.903 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.36 min
 Lab File: BG036412.D
 Acq: 24 Aug 2018 13:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.7	40.1	60.1#
89	2.4	63.7	95.5#
182	0.0	2.5	3.7#

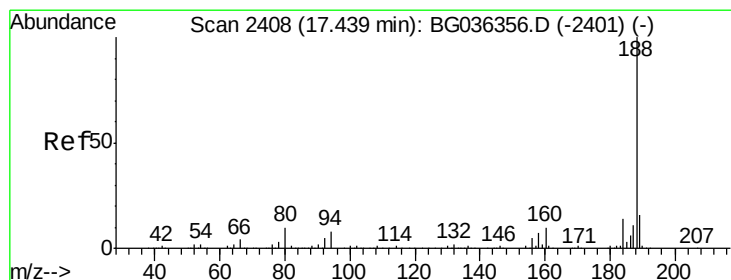
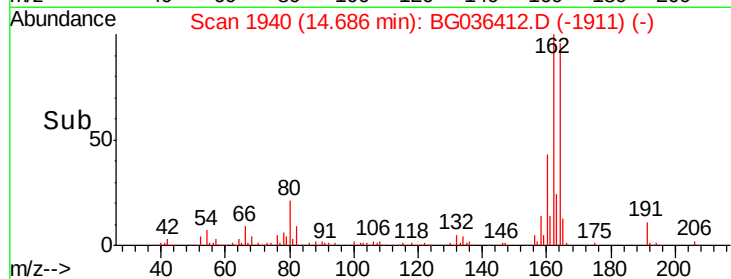
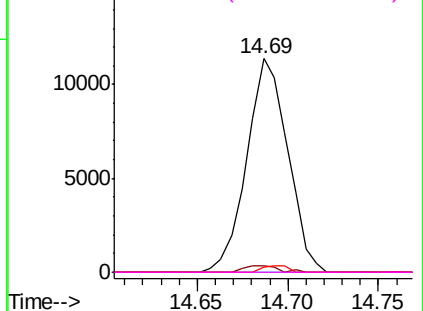


Abundance Ion 165.00 (164.70 to 165.70): E

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



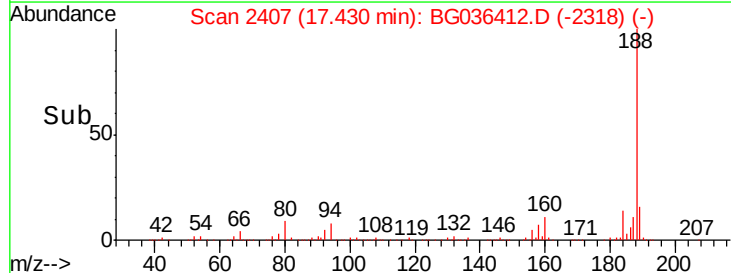
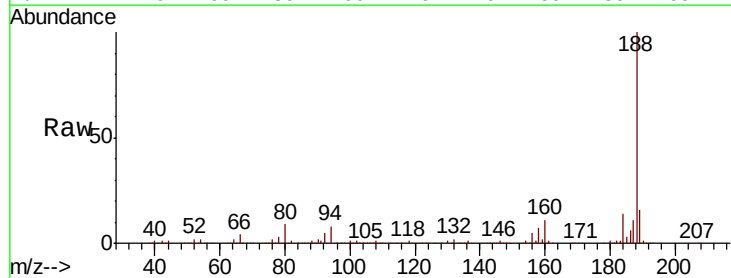
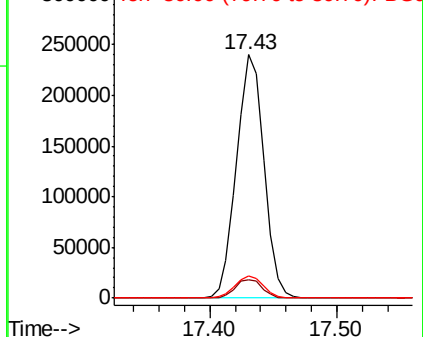
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG036412.D
 Acq: 24 Aug 2018 13:45

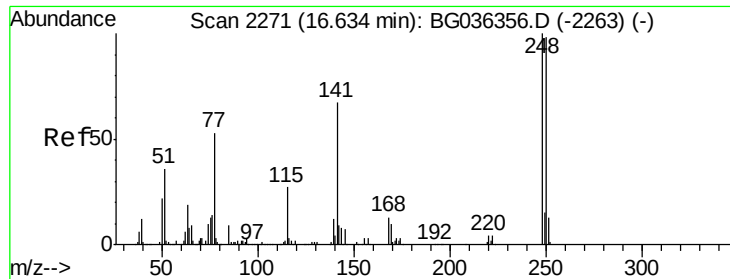
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	9.3	8.1	12.1

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

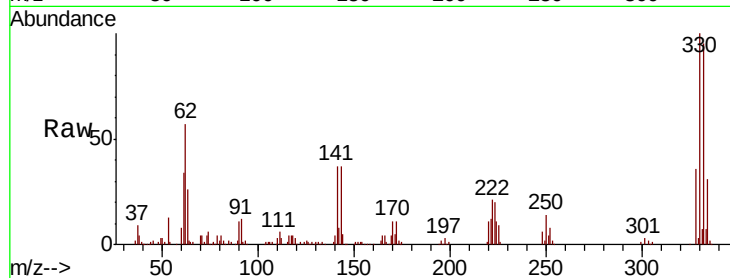




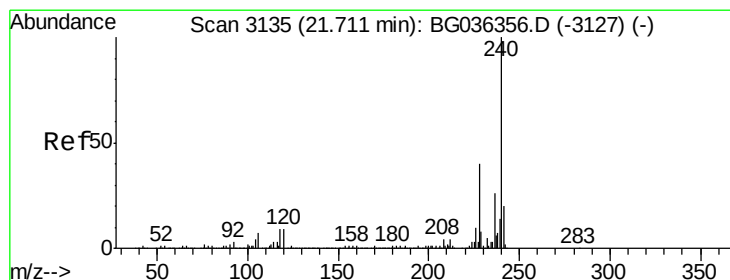
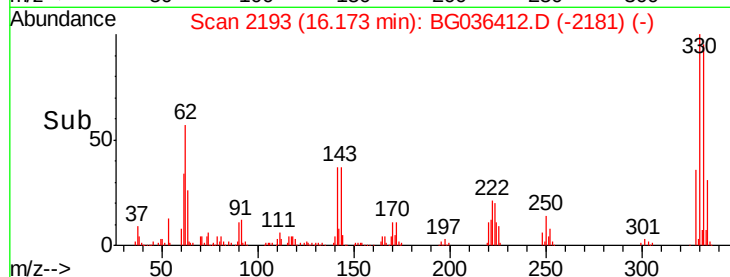
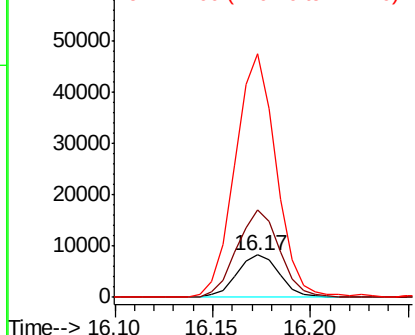
#66
 4-Bromophenyl-phenylether
 Concen: 2.961 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.46 min
 Lab File: BG036412.D
 Acq: 24 Aug 2018 13:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 12471
 Ion Ratio Lower Upper
 248 100
 250 209.4 78.1 117.1#
 141 579.1 53.7 80.5#

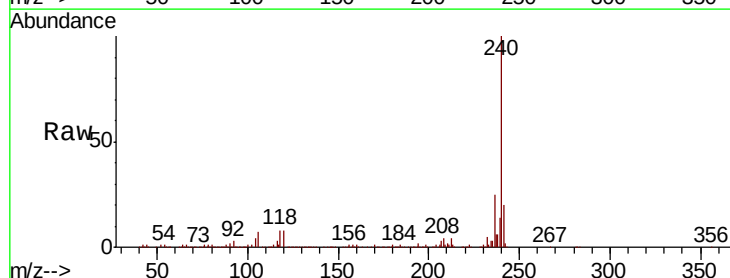


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

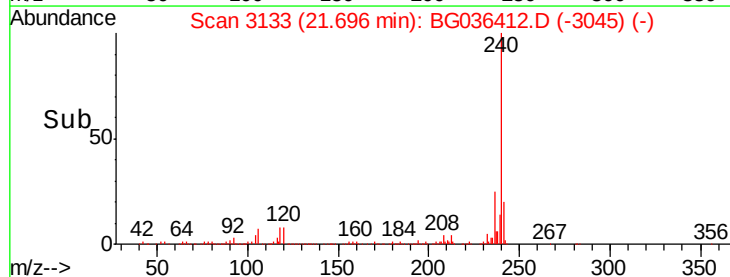
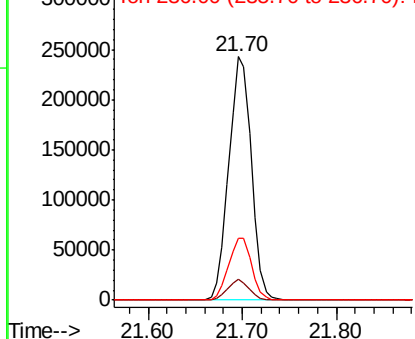


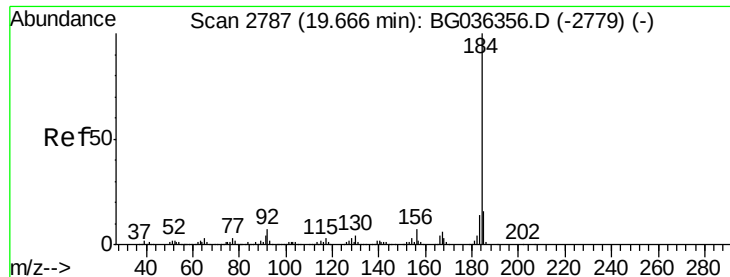
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3133
 Delta R.T. -0.01 min
 Lab File: BG036412.D
 Acq: 24 Aug 2018 13:45

Tgt Ion:240 Resp: 404679
 Ion Ratio Lower Upper
 240 100
 120 8.5 6.9 10.3
 236 25.4 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: 2.111 ng

RT: 20.04 min Scan# 2851

Delta R.T. 0.37 min

Lab File: BG036412.D

Acq: 24 Aug 2018 13:45

Instrument :

BNA_G

ClientSampled :

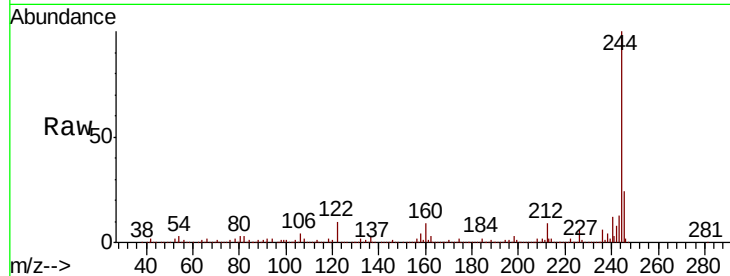
Tot Ion:184 Resp: 27261

Ion Ratio Lower Upper

184 100

185 17.2 12.6 18.8

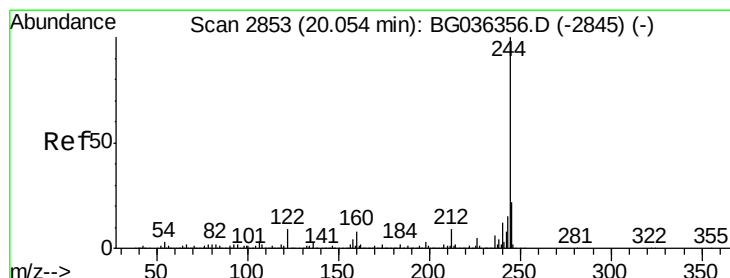
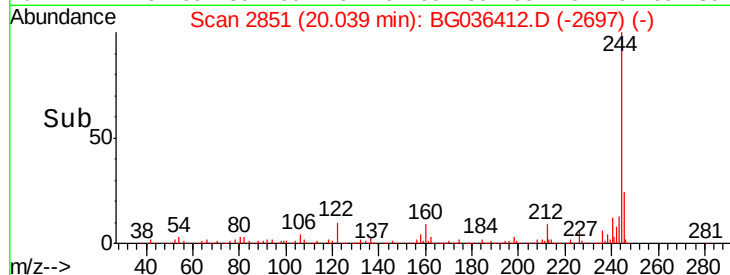
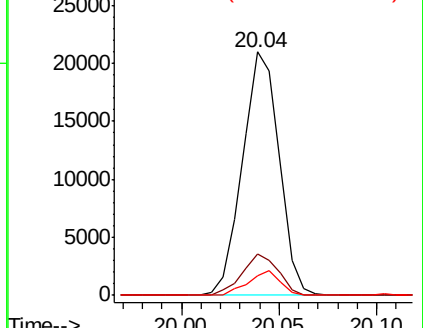
183 8.0 10.9 16.3#



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: 88.926 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG036412.D

Acq: 24 Aug 2018 13:45

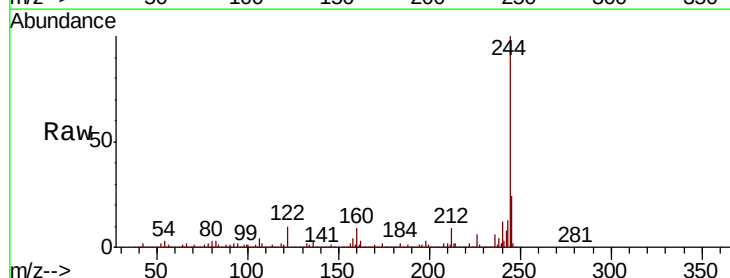
Tgt Ion:244 Resp: 1539627

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.6

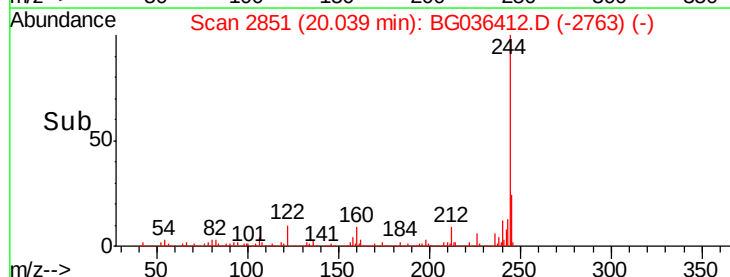
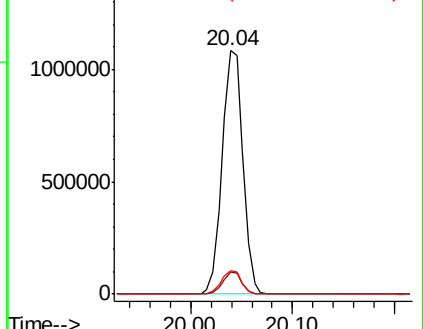
122 9.7 7.1 10.7

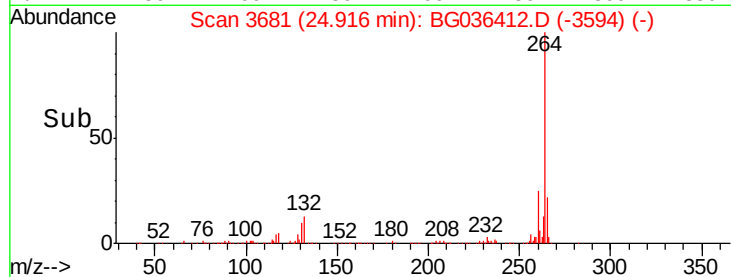
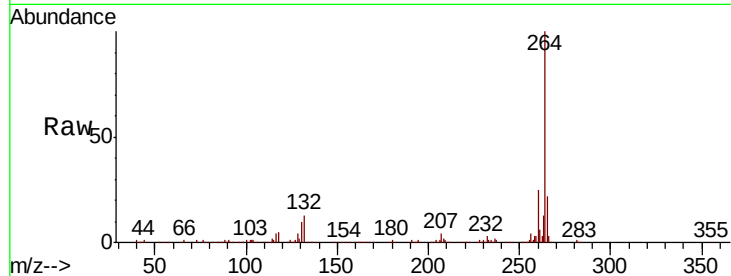
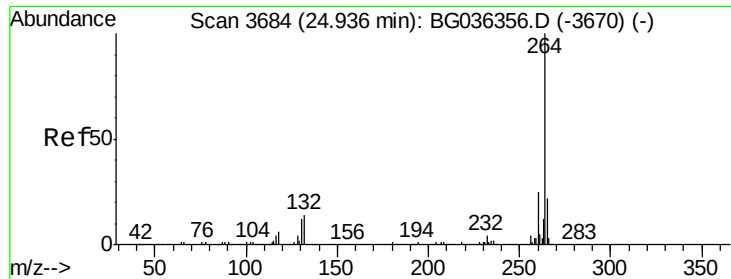


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.92 min Scan# 3681
 Delta R.T. -0.02 min
 Lab File: BG036412.D
 Acq: 24 Aug 2018 13:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	22.1	17.4	26.0

