

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036408.D
 Acq On : 24 Aug 2018 11:10
 Operator : JU/SJ
 Sample : J4568-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 12:09:36 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

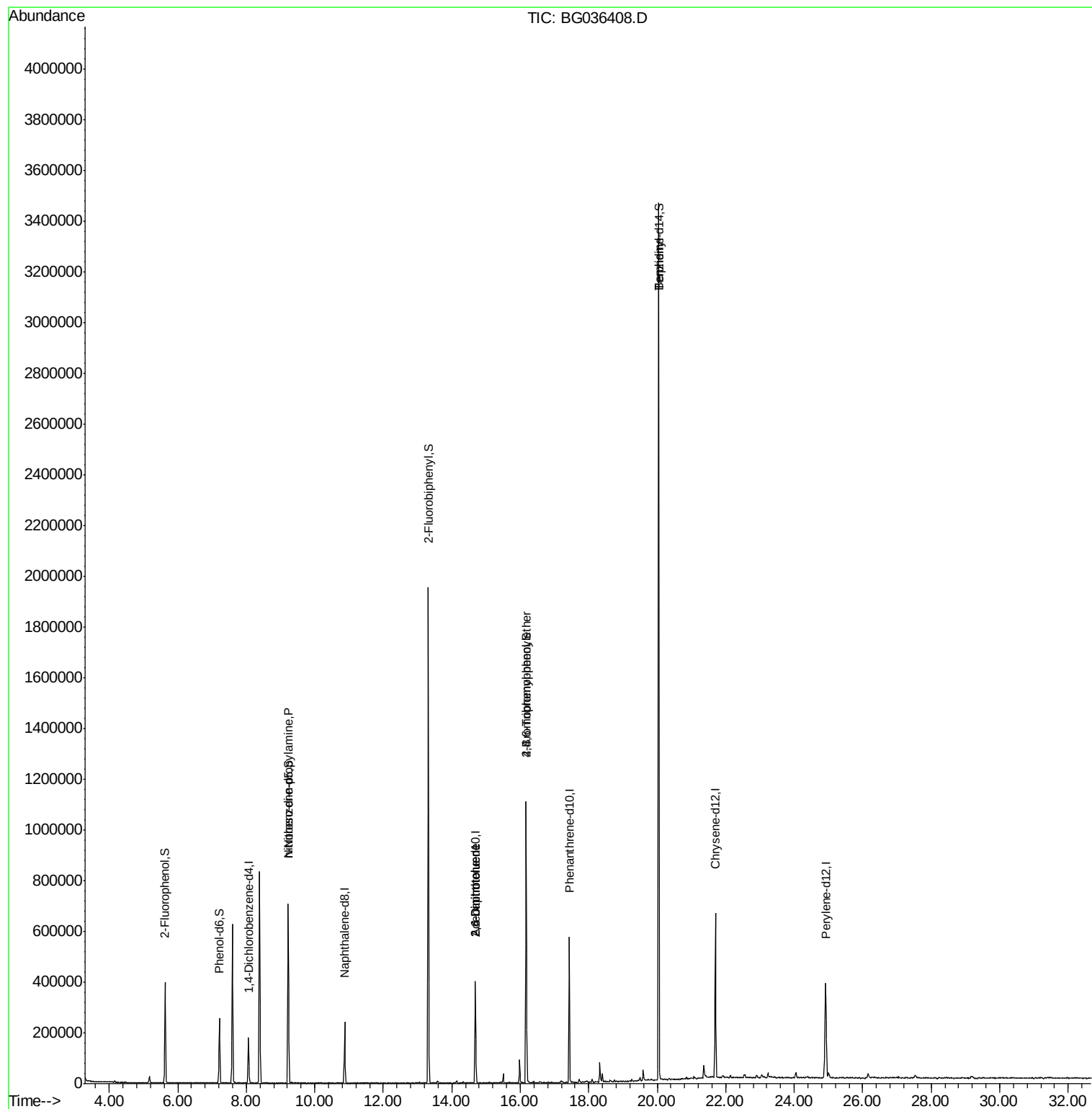
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	50397	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	203837	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	135481	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	358872	20.00	ng	0.00
75) Chrysene-d12	21.70	240	400002	20.00	ng	-0.01
86) Perylene-d12	24.92	264	407911	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	163838	51.57	ng	0.00
7) Phenol-d6	7.21	99	146828	32.28	ng	0.00
23) Nitrobenzene-d5	9.23	82	418748	111.46	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	195622	121.01	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	985819	103.89	ng	0.00
78) Terphenyl-d14	20.05	244	1580705	92.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	56086	16.498	ng	# 68
50) 2,6-Dinitrotoluene	14.69	165	17250	7.578	ng	# 23
56) 2,4-Dinitrotoluene	14.69	165	17250	5.814	ng	# 21
66) 4-Bromophenyl-phenylether	16.17	248	13932	3.316	ng	# 1
76) Benzidine	20.05	184	28276	2.216	ng	# 94

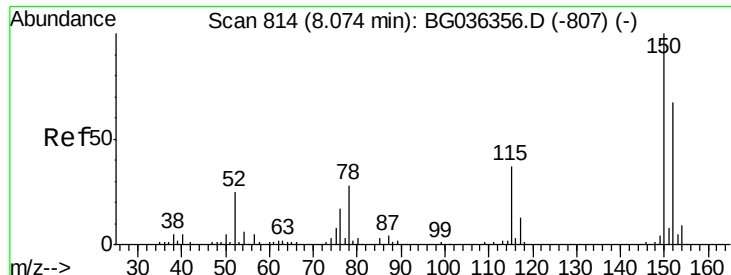
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 23 12:07:02 2018
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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: BG036408.D

Acq: 24 Aug 2018 11:10

Instrument :

BNA_G

ClientSampleId :

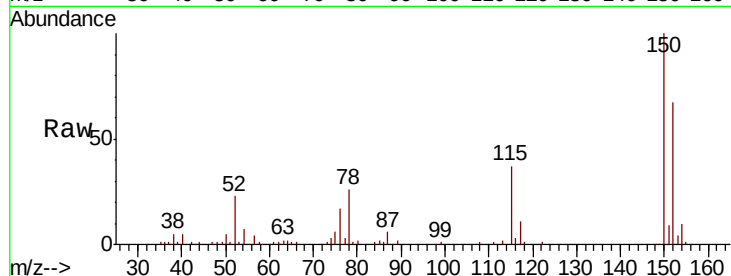
Tot Ion:152 Resp: 50397

Ion Ratio Lower Upper

152 100

150 149.6 119.5 179.3

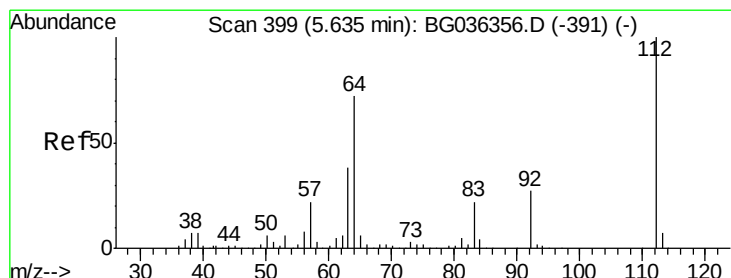
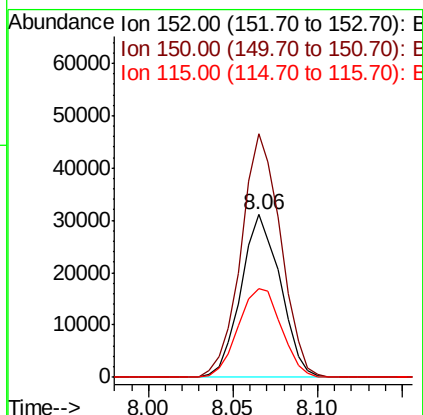
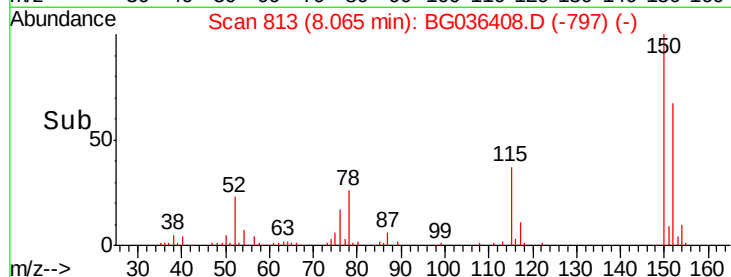
115 54.7 44.5 66.7



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: 51.570 ng

RT: 5.63 min Scan# 399

Delta R.T. -0.00 min

Lab File: BG036408.D

Acq: 24 Aug 2018 11:10

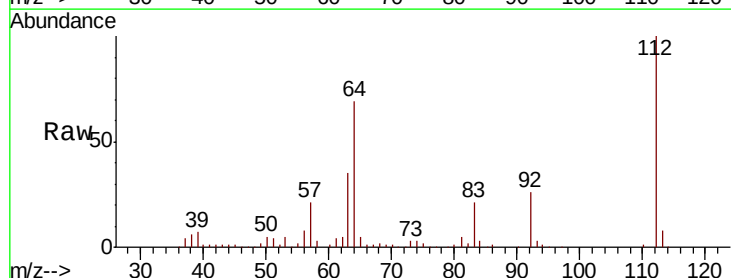
Tgt Ion:112 Resp: 163838

Ion Ratio Lower Upper

112 100

64 68.8 57.2 85.8

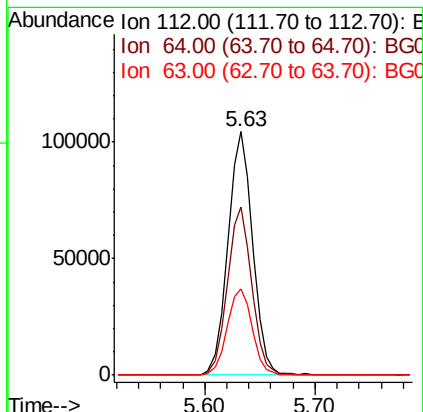
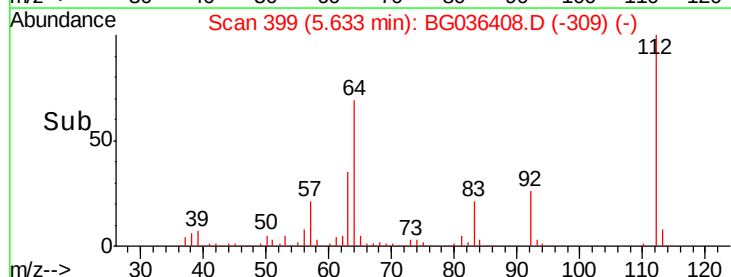
63 35.4 30.8 46.2

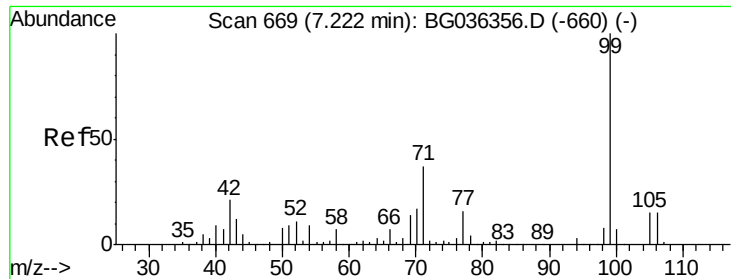


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 32.279 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036408.D

Acq: 24 Aug 2018 11:10

Instrument :

BNA_G

ClientSampled :

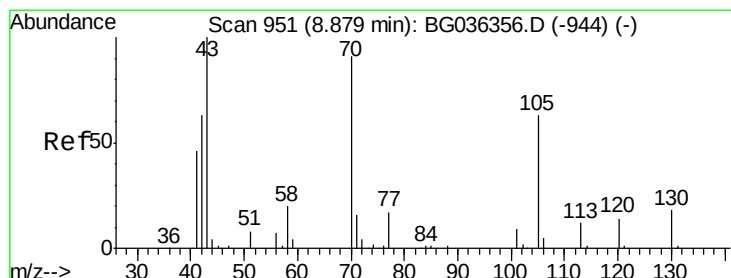
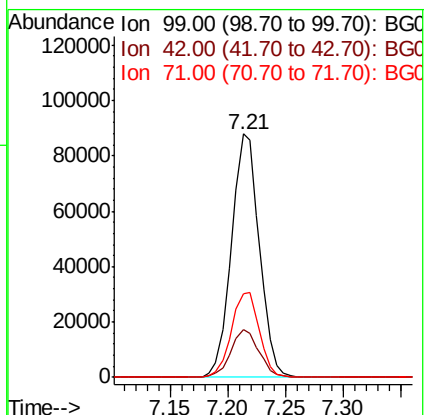
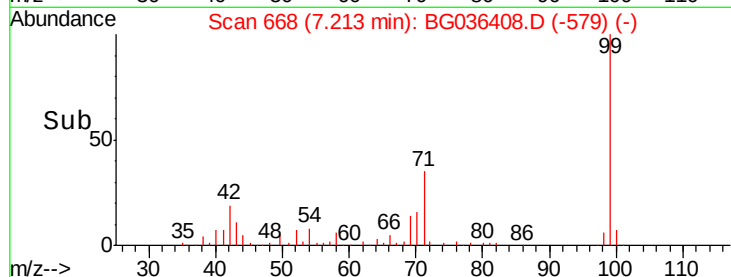
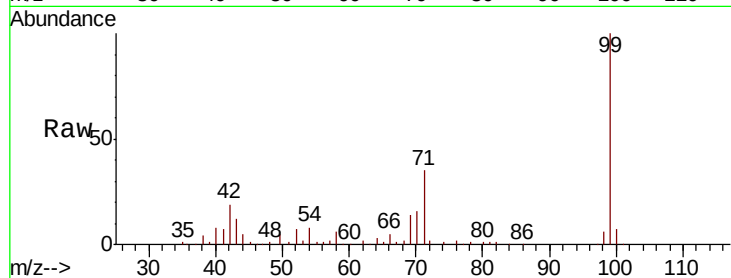
Tot Ion: 99 Resp: 146828

Ion Ratio Lower Upper

99 100

42 19.5 16.5 24.7

71 34.6 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.498 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG036408.D

Acq: 24 Aug 2018 11:10

Tgt Ion: 70 Resp: 56086

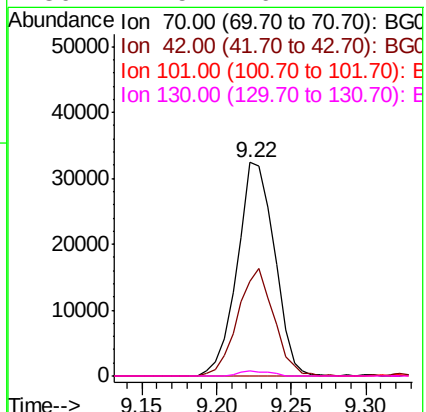
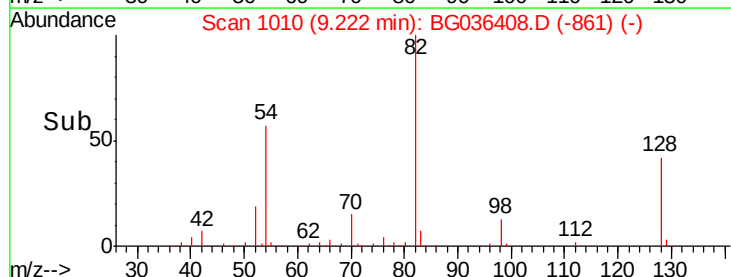
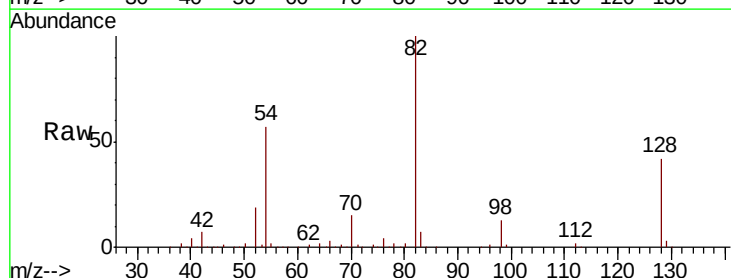
Ion Ratio Lower Upper

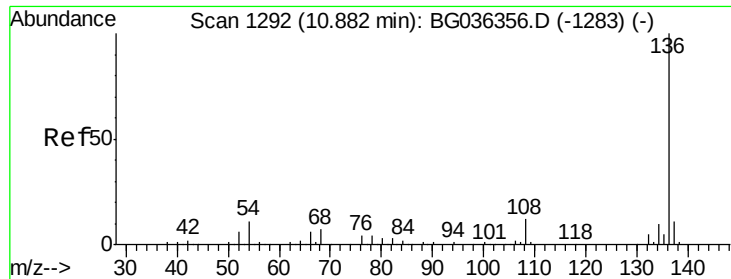
70 100

42 44.4 56.2 84.4#

101 0.0 7.8 11.6#

130 2.5 16.2 24.2#

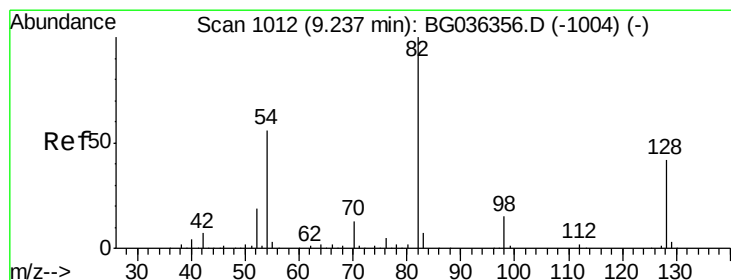
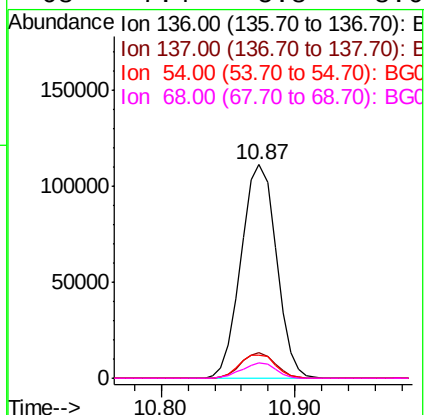
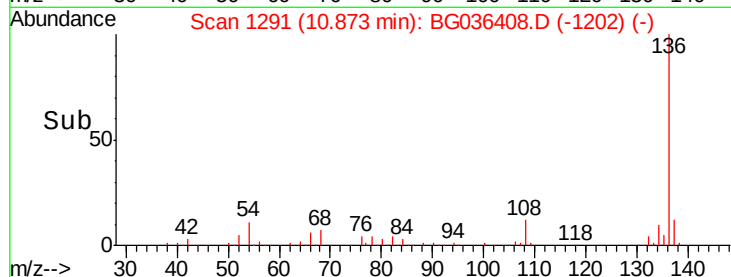
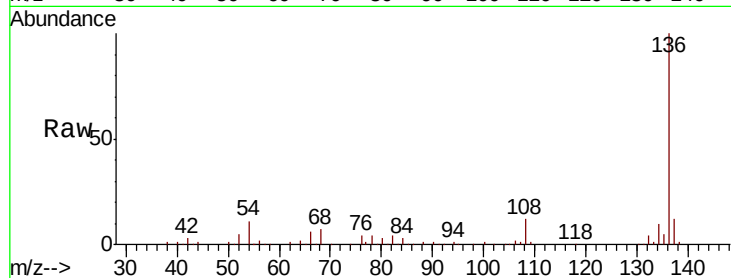




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036408.D
Acq: 24 Aug 2018 11:10

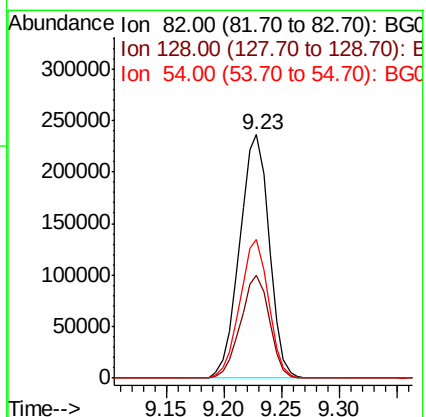
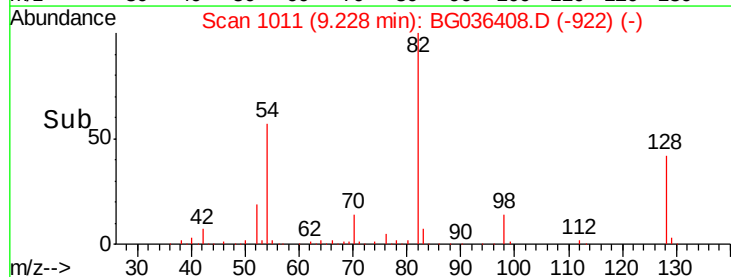
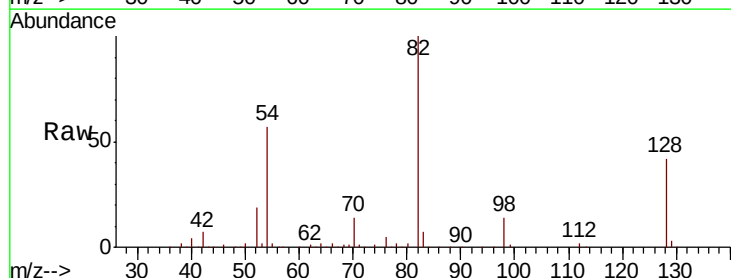
Instrument :
BNA_G
ClientSampleId :

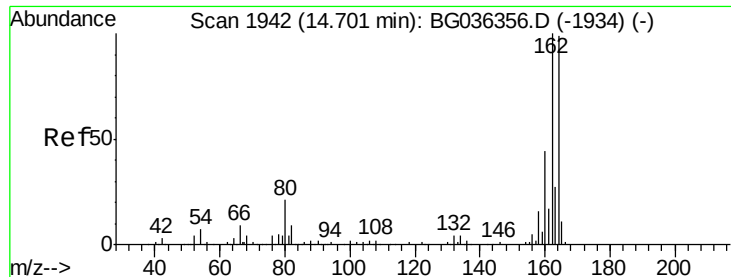
Tot Ion:136	Resp:	203837
Ion	Ratio	Lower Upper
136	100	
137	11.8	8.8 13.2
54	11.1	9.2 13.8
68	7.4	5.8 8.6



#23
Nitrobenzene-d5
Concen: 111.461 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036408.D
Acq: 24 Aug 2018 11:10

Tgt Ion: 82	Resp:	418748
Ion	Ratio	Lower Upper
82	100	
128	42.3	33.3 49.9
54	57.2	45.1 67.7

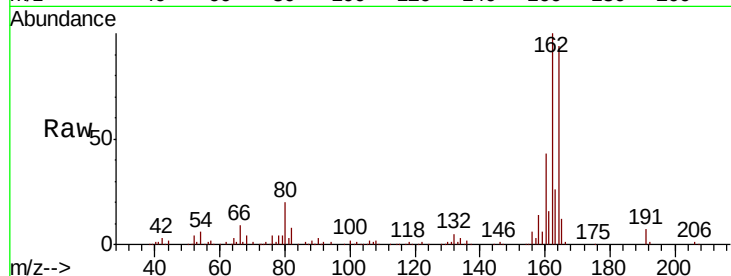




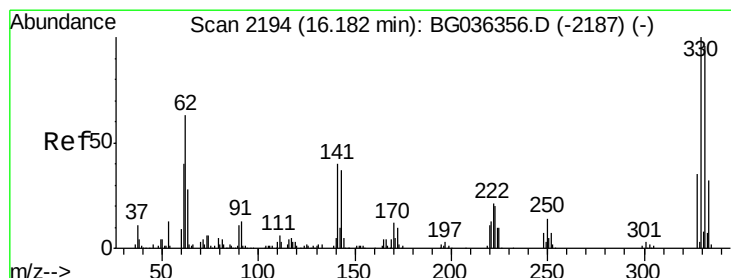
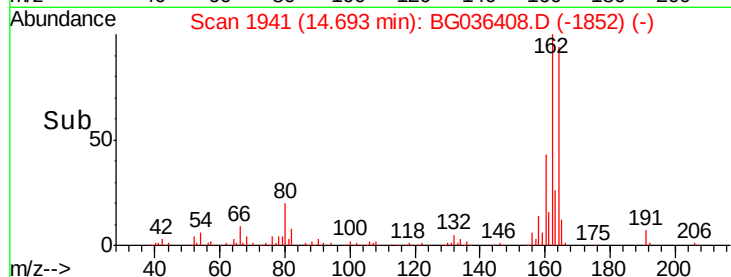
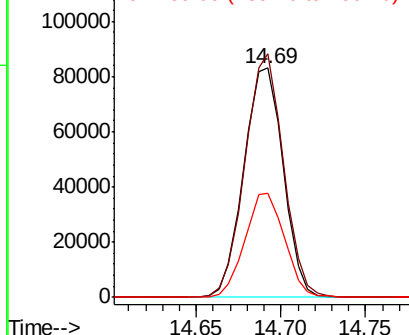
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: BG036408.D
 Acq: 24 Aug 2018 11:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 135481
 Ion Ratio Lower Upper
 164 100
 162 106.1 80.7 121.1
 160 45.5 35.3 52.9

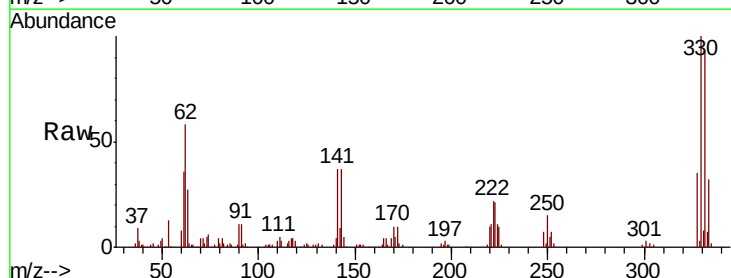


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

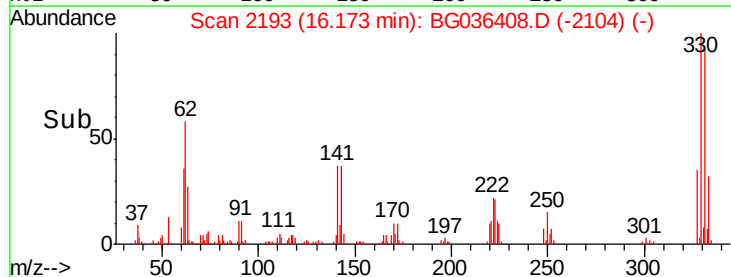
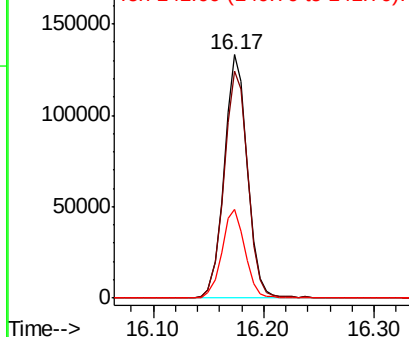


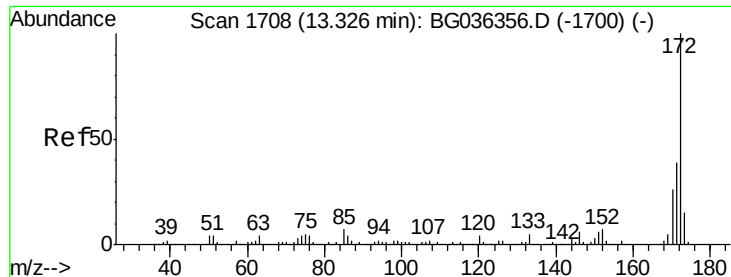
#41
 2,4,6-Tribromophenol
 Concen: 121.009 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG036408.D
 Acq: 24 Aug 2018 11:10

Tgt Ion:330 Resp: 195622
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.4 113.2
 141 36.4 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

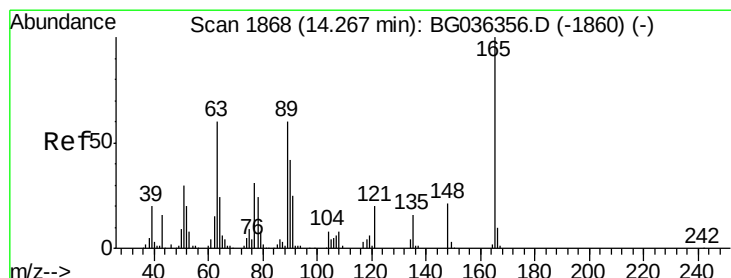
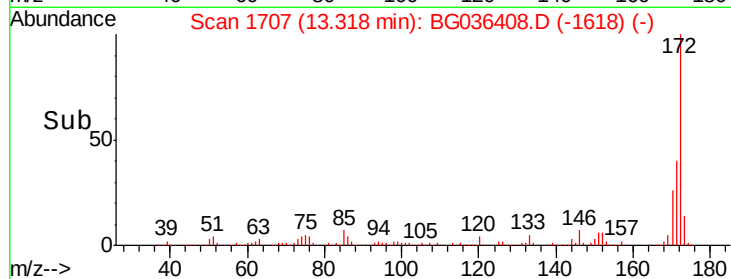
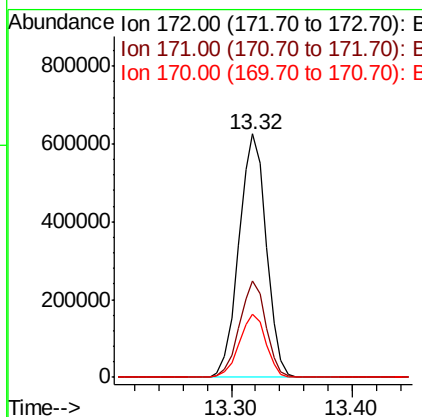
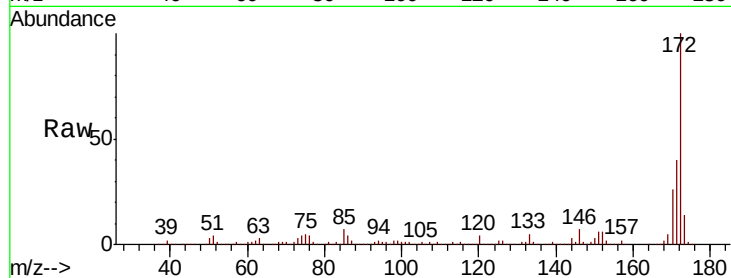




#44
 2-Fluorobiphenyl
 Concen: 103.894 ng
 RT: 13.32 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BG036408.D
 Acq: 24 Aug 2018 11:10

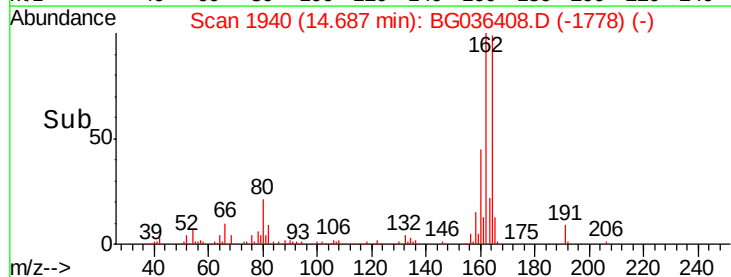
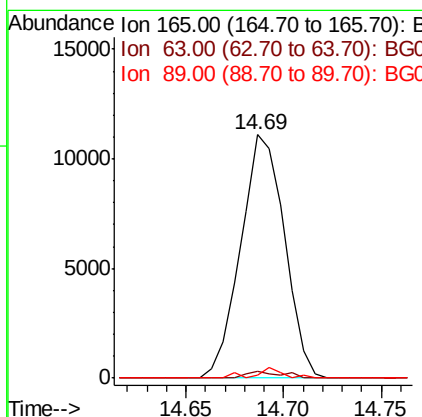
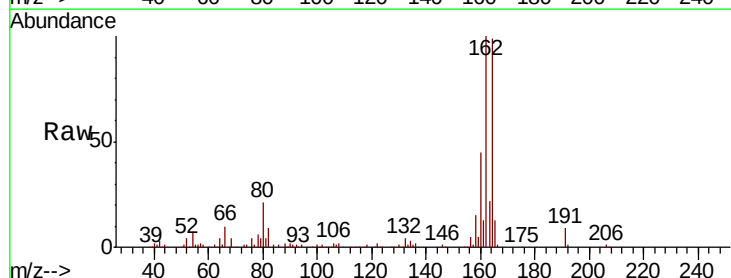
Instrument :
 BNA_G
 ClientSampleId :

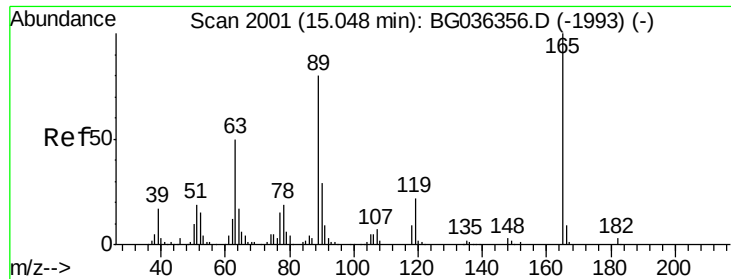
Tot Ion	Ratio	Lower	Upper
172	100		
171	39.6	31.3	46.9
170	26.0	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.578 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. 0.42 min
 Lab File: BG036408.D
 Acq: 24 Aug 2018 11:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	50.1	75.1#
89	1.4	47.8	71.6#

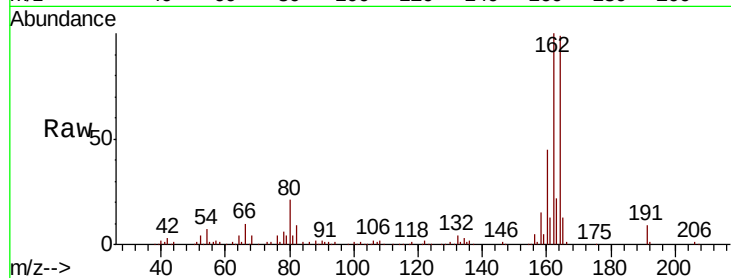




#56
 2,4-Dinitrotoluene
 Concen: 5.814 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.36 min
 Lab File: BG036408.D
 Acq: 24 Aug 2018 11:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.8	40.1	60.1#
89	1.4	63.7	95.5#
182	0.0	2.5	3.7#

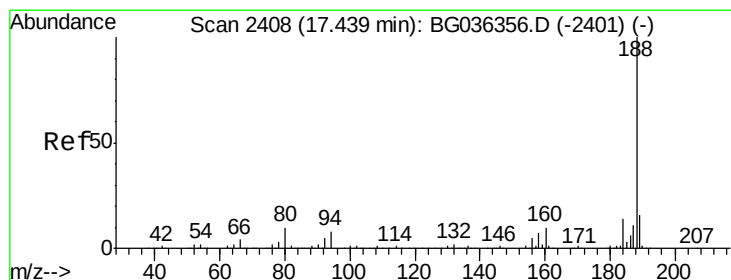
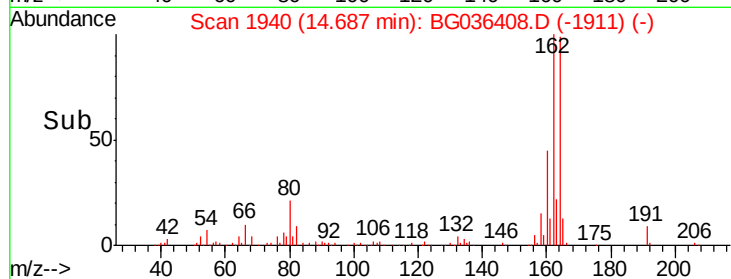
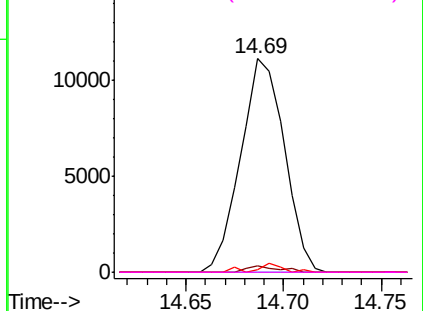


Abundance Ion 165.00 (164.70 to 165.70): E

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



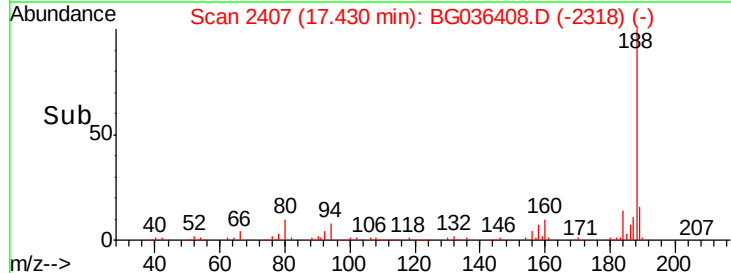
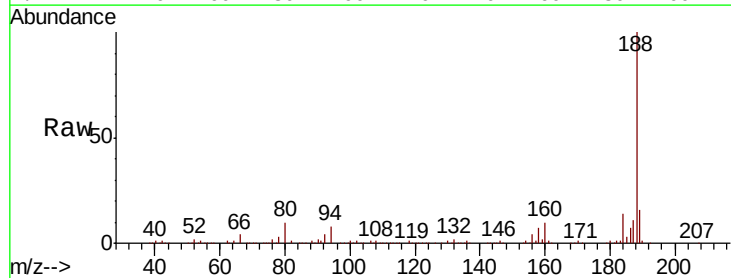
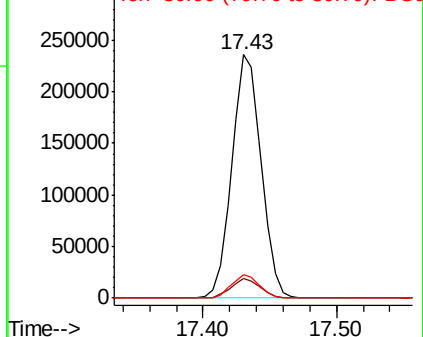
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG036408.D
 Acq: 24 Aug 2018 11:10

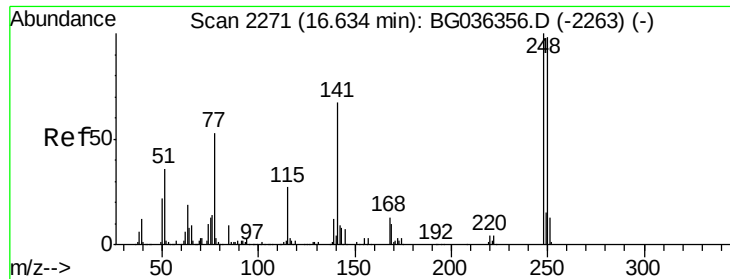
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.7	10.1
80	9.8	8.1	12.1

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

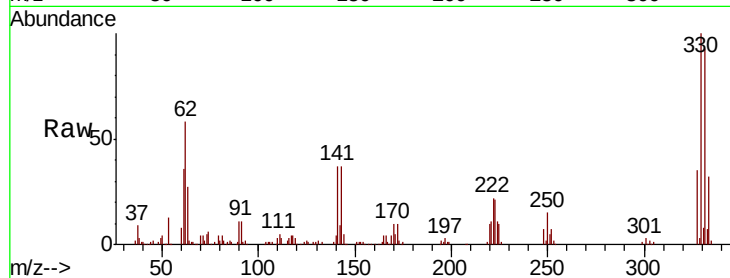




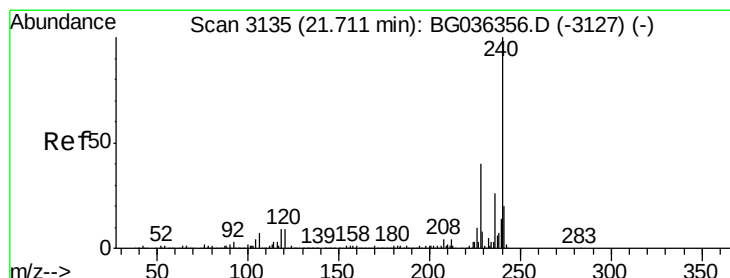
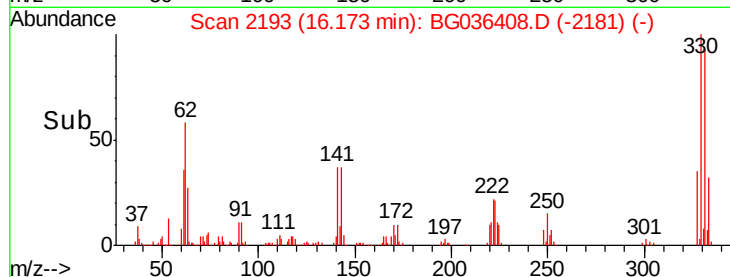
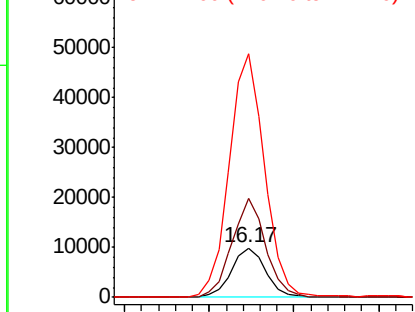
#66
4-Bromophenyl-phenylether
Concen: 3.316 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG036408.D
Acq: 24 Aug 2018 11:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 13932
Ion Ratio Lower Upper
248 100
250 200.4 78.1 117.1#
141 494.9 53.7 80.5#

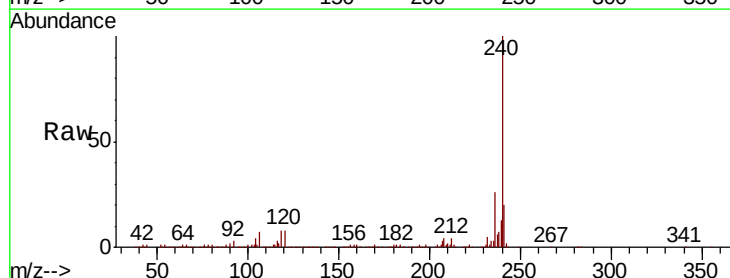


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

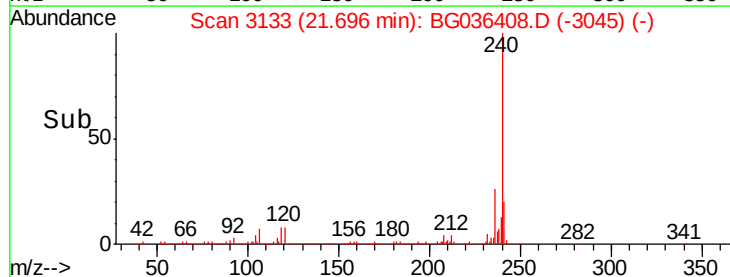
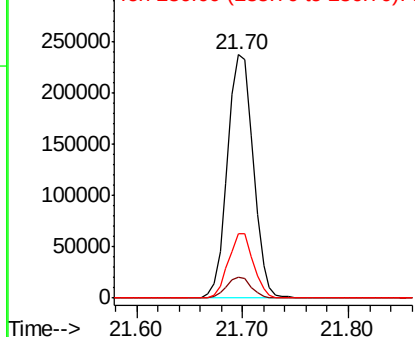


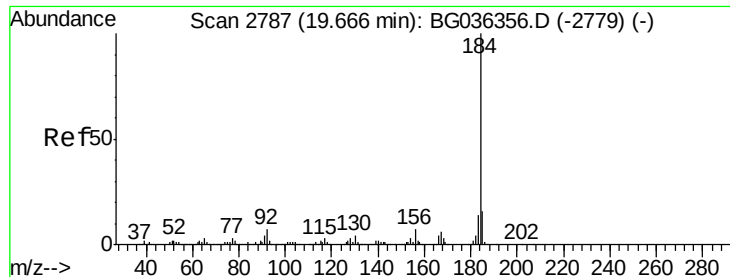
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BG036408.D
Acq: 24 Aug 2018 11:10

Tgt Ion:240 Resp: 400002
Ion Ratio Lower Upper
240 100
120 8.4 6.9 10.3
236 26.2 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: 2.216 ng

RT: 20.05 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG036408.D

Acq: 24 Aug 2018 11:10

Instrument :

BNA_G

ClientSampleId :

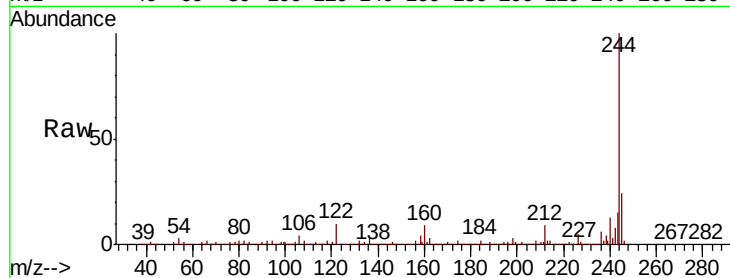
Tot Ion:184 Resp: 28276

Ion Ratio Lower Upper

184 100

185 16.1 12.6 18.8

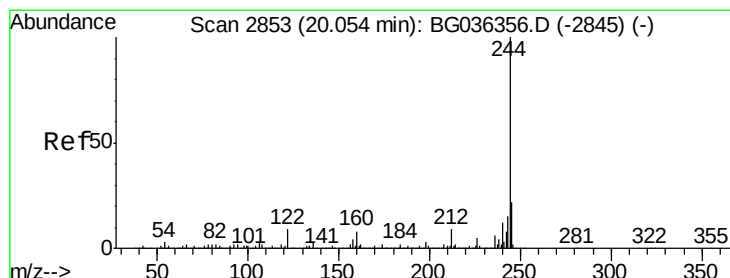
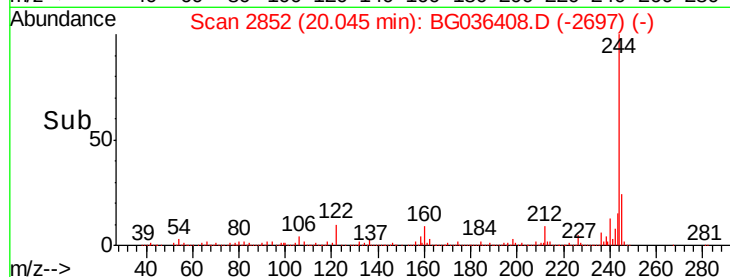
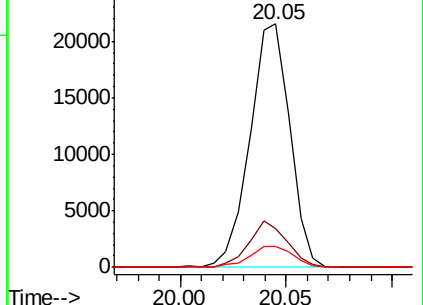
183 8.8 10.9 16.3#



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: 92.366 ng

RT: 20.05 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG036408.D

Acq: 24 Aug 2018 11:10

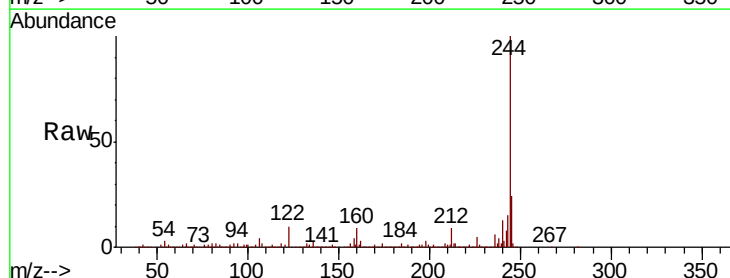
Tgt Ion:244 Resp: 1580705

Ion Ratio Lower Upper

244 100

212 9.5 7.0 10.6

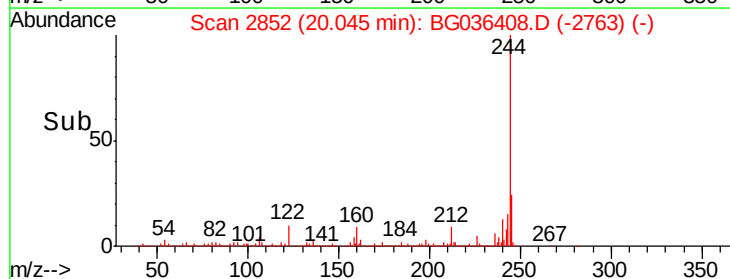
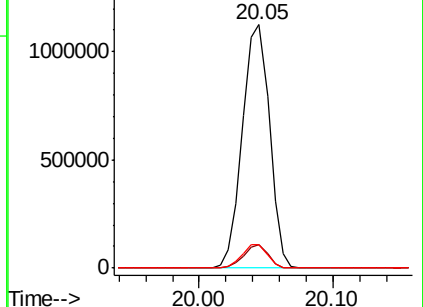
122 9.5 7.1 10.7

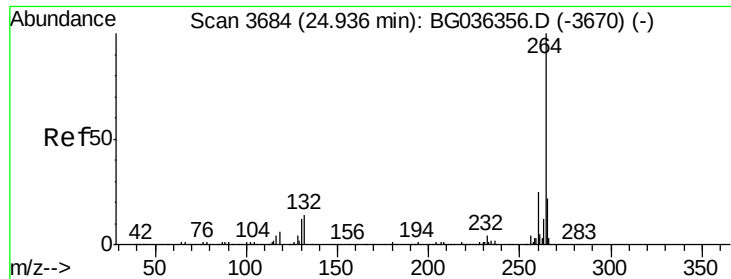


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG036408.D
Acq: 24 Aug 2018 11:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.6	29.4
265	22.3	17.4	26.0

