

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036407.D
 Acq On : 24 Aug 2018 10:31
 Operator : JU/SJ
 Sample : J4568-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 12:09:27 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

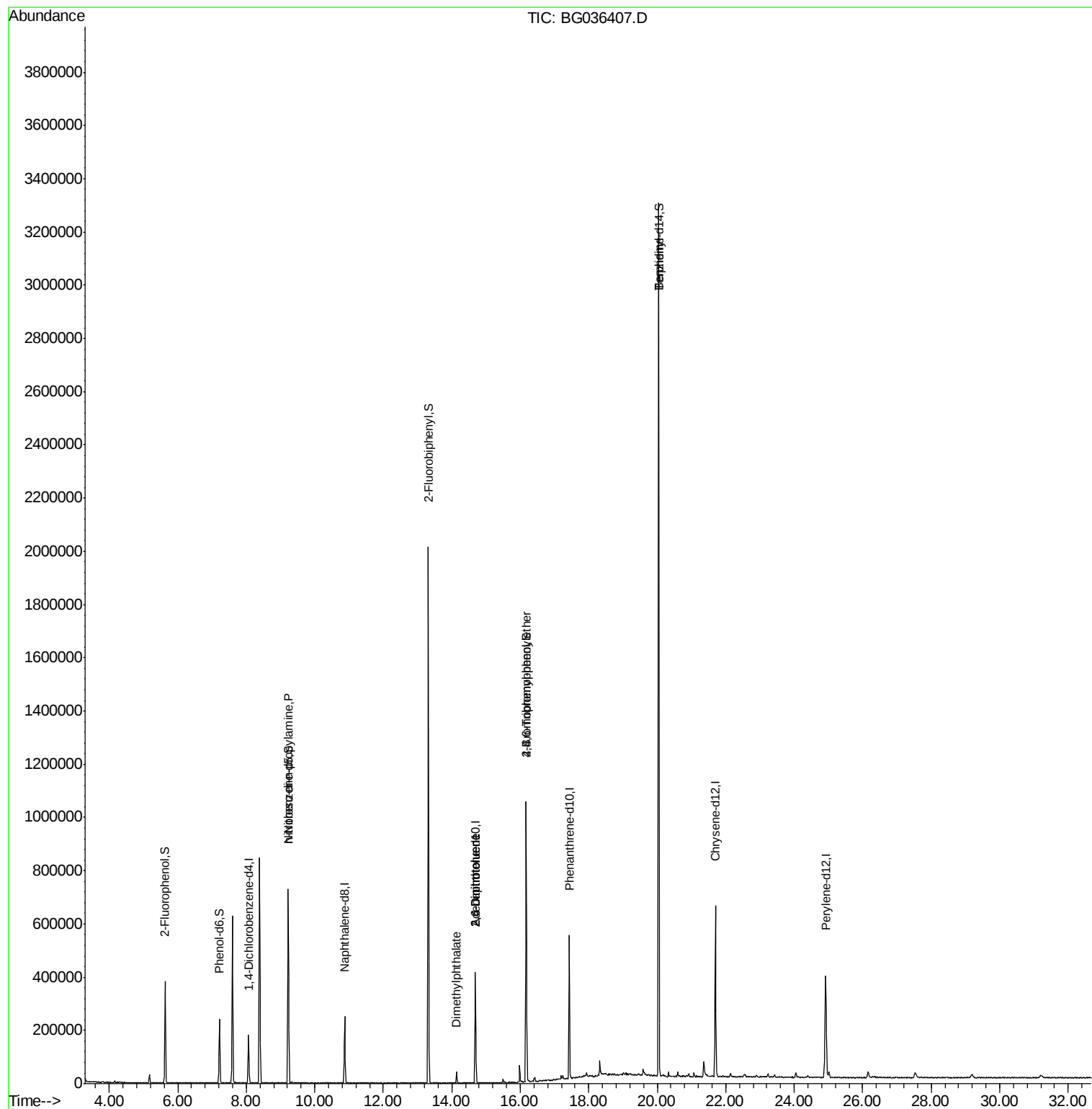
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	50805	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	208958	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	136559	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	347431	20.00	ng	0.00
75) Chrysene-d12	21.70	240	398287	20.00	ng	-0.02
86) Perylene-d12	24.91	264	410635	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	153983	48.08	ng	0.00
7) Phenol-d6	7.22	99	136094	29.68	ng	0.00
23) Nitrobenzene-d5	9.23	82	427981	111.13	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	184245	113.07	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	1007078	105.30	ng	0.00
78) Terphenyl-d14	20.04	244	1515177	88.92	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	58591	17.097	ng	Qvalue # 72
49) Dimethylphthalate	14.14	163	27602	2.475	ng	100
50) 2,6-Dinitrotoluene	14.69	165	17334	7.554	ng	# 23
56) 2,4-Dinitrotoluene	14.69	165	17334	5.796	ng	# 21
66) 4-Bromophenyl-phenylether	16.17	248	13575	3.337	ng	# 1
76) Benzidine	20.04	184	27824	2.190	ng	# 95

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

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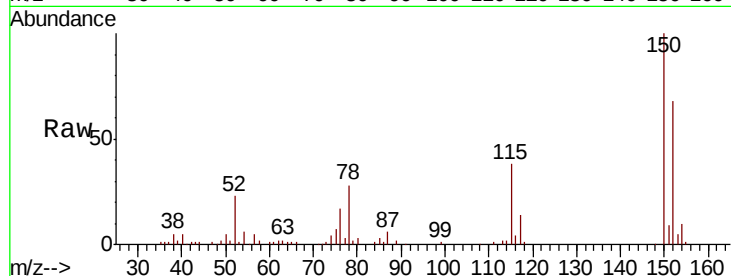


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG036407.D
Acq: 24 Aug 2018 10:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.8	119.5	179.3
115	56.6	44.5	66.7

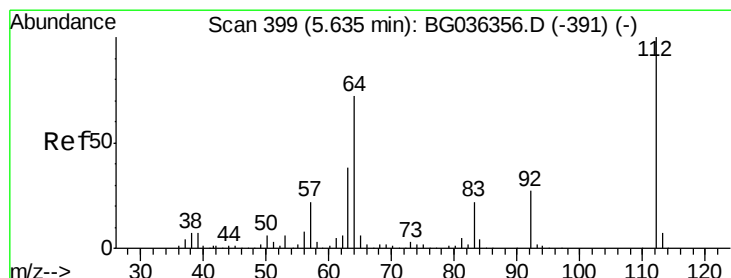
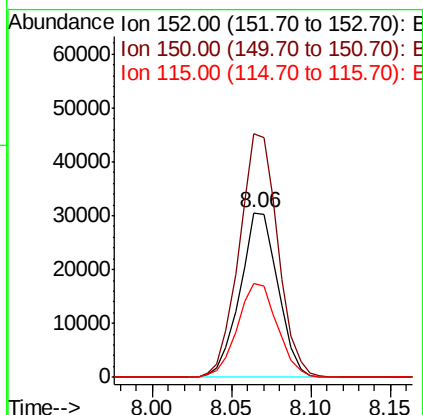
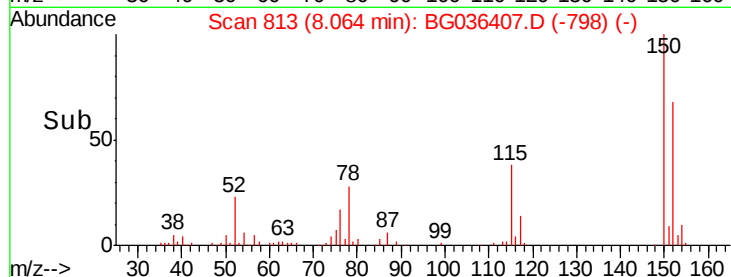


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

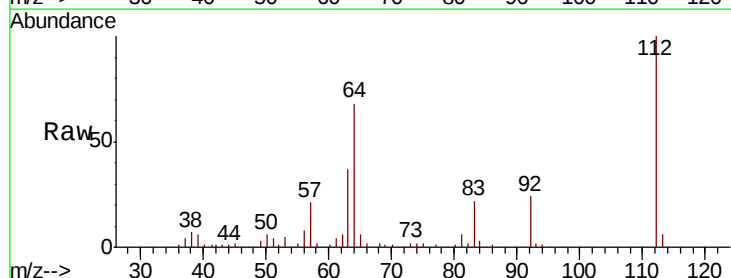
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 48.078 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG036407.D
Acq: 24 Aug 2018 10:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	57.2	85.8
63	37.3	30.8	46.2

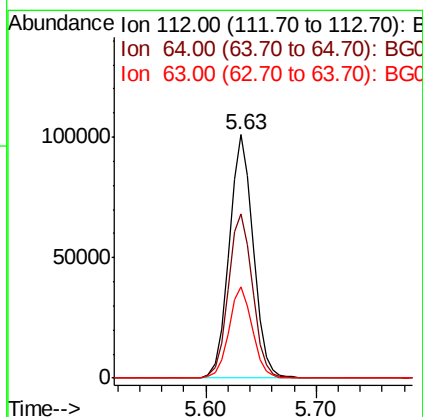
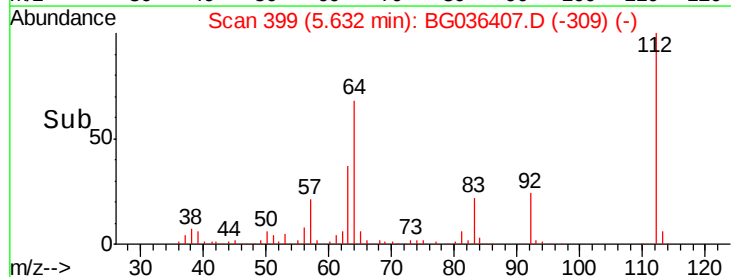


Abundance

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: 29.679 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036407.D

Acq: 24 Aug 2018 10:31

Instrument :

BNA_G

ClientSampled :

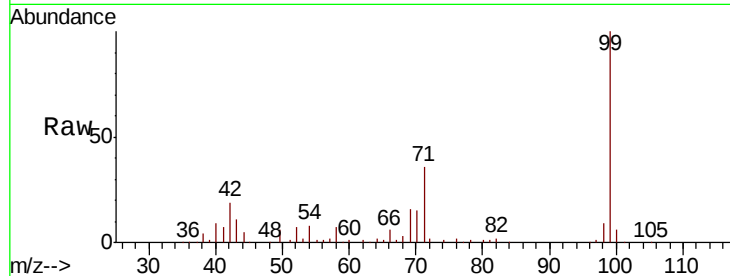
Tot Ion: 99 Resp: 136094

Ion Ratio Lower Upper

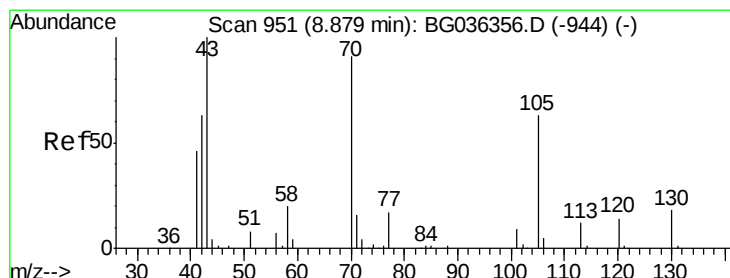
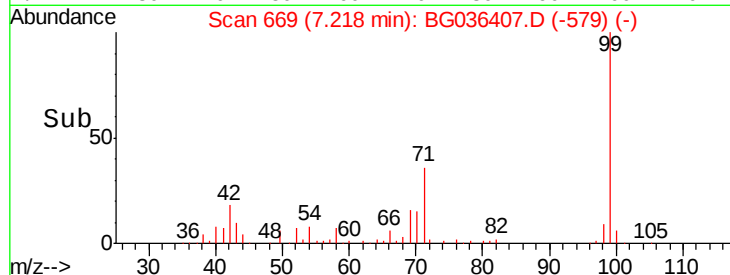
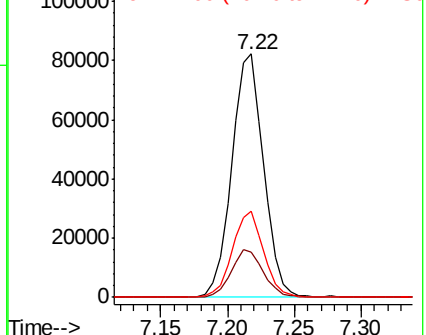
99 100

42 18.5 16.5 24.7

71 35.5 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: 17.097 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036407.D

Acq: 24 Aug 2018 10:31

Tgt Ion: 70 Resp: 58591

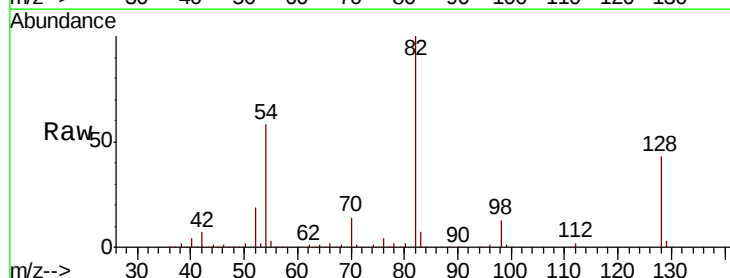
Ion Ratio Lower Upper

70 100

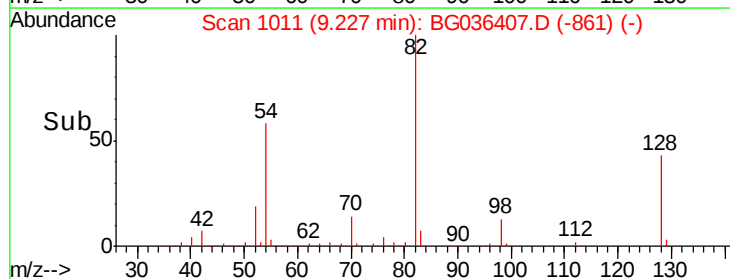
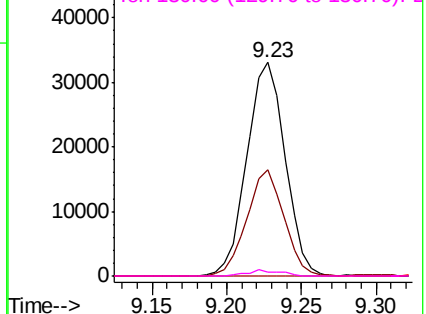
42 50.0 56.2 84.4#

101 0.0 7.8 11.6#

130 2.0 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

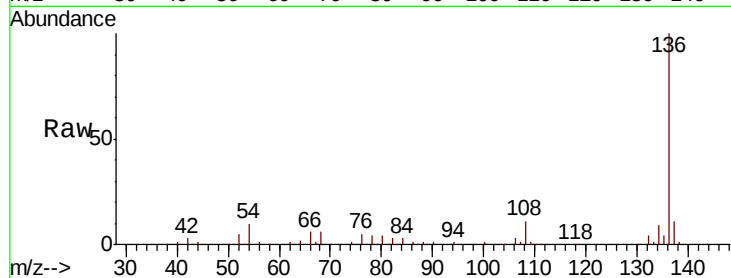




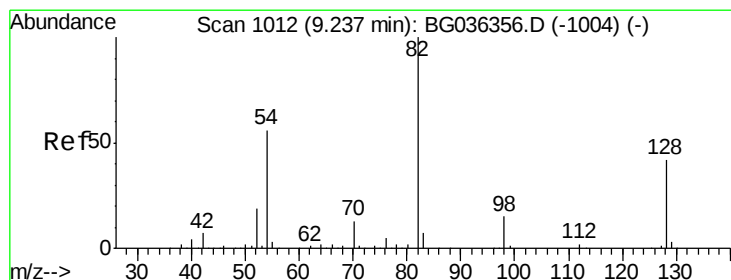
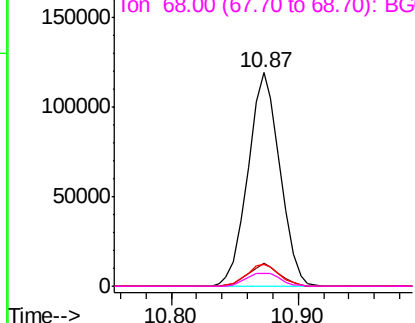
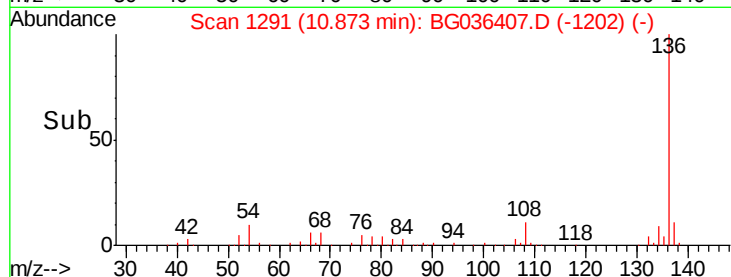
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036407.D
Acq: 24 Aug 2018 10:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	208958
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	10.3	9.2	13.8
68	5.8	5.8	8.6

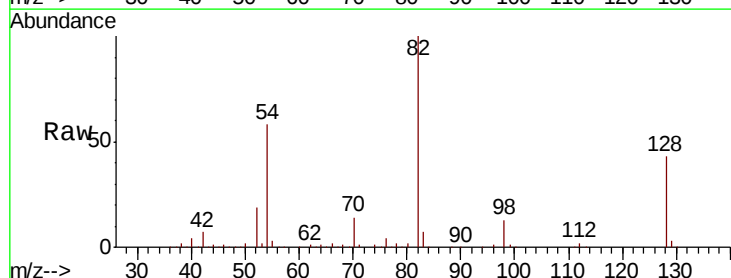


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

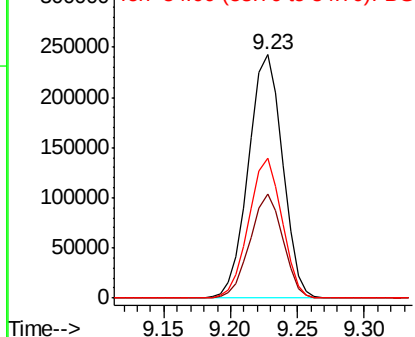
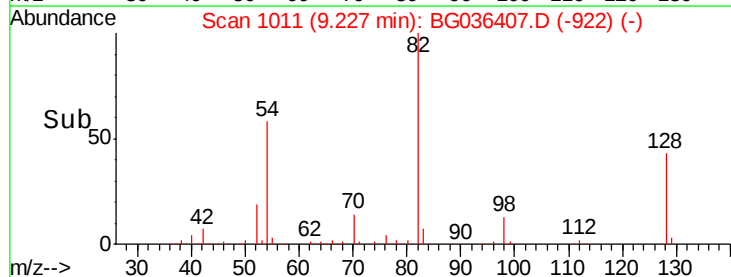


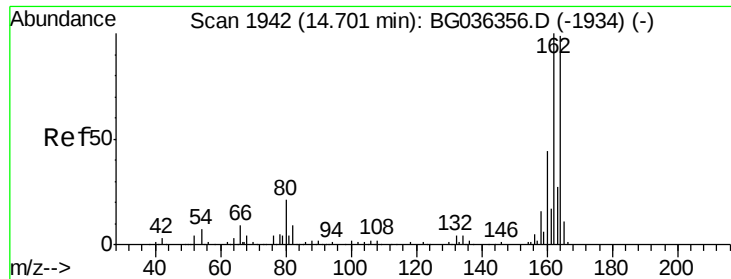
#23
Nitrobenzene-d5
Concen: 111.127 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036407.D
Acq: 24 Aug 2018 10:31

Tgt Ion:	82	Resp:	427981
Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.3	49.9
54	57.7	45.1	67.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1941

Delta R.T. -0.01 min

Lab File: BG036407.D

Acq: 24 Aug 2018 10:31

Instrument :

BNA_G

ClientSampleId :

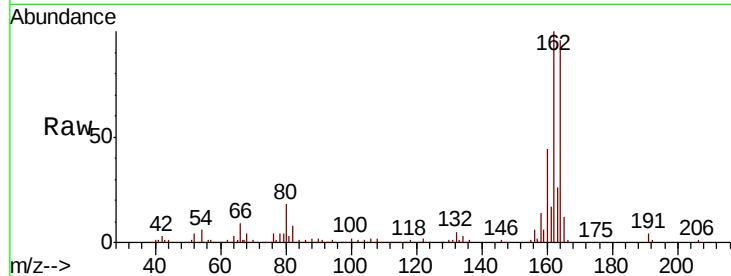
Tot Ion:164 Resp: 136559

Ion Ratio Lower Upper

164 100

162 104.3 80.7 121.1

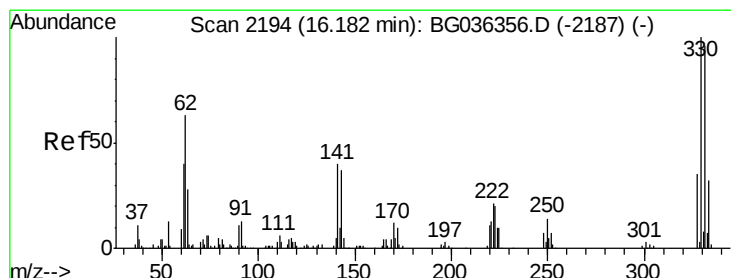
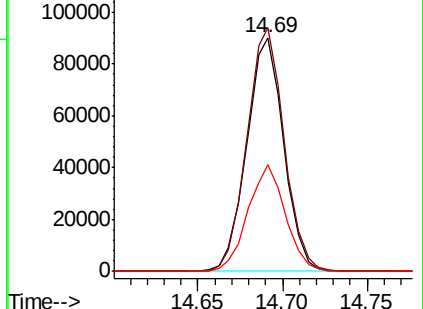
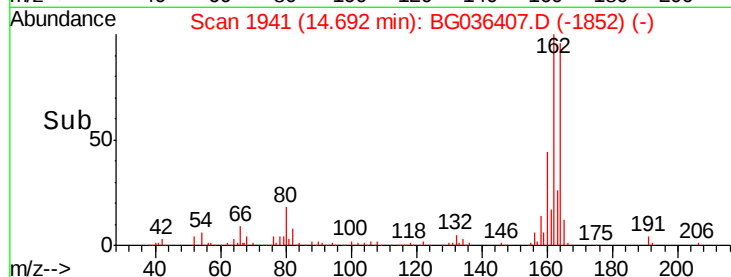
160 45.7 35.3 52.9



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: 113.072 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG036407.D

Acq: 24 Aug 2018 10:31

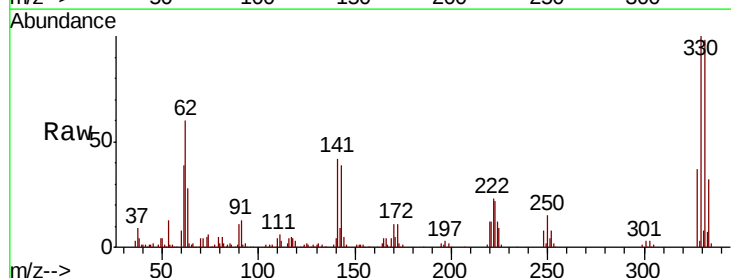
Tgt Ion:330 Resp: 184245

Ion Ratio Lower Upper

330 100

332 96.1 75.4 113.2

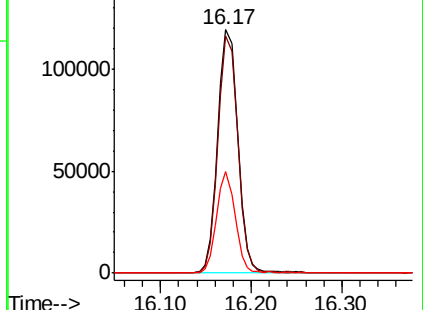
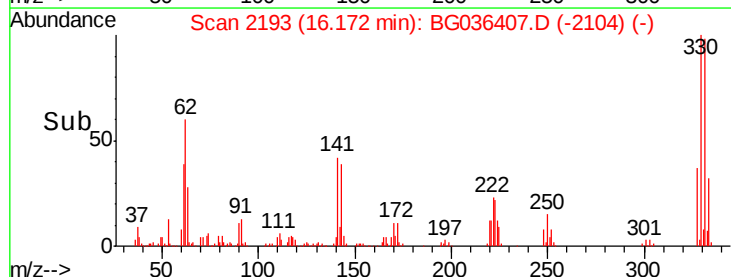
141 38.4 30.7 46.1



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

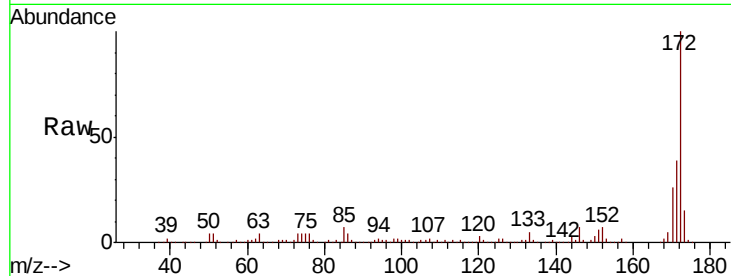




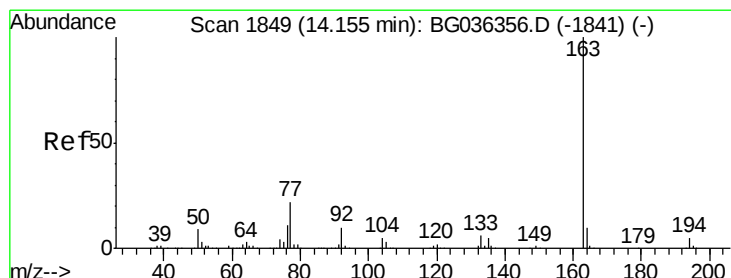
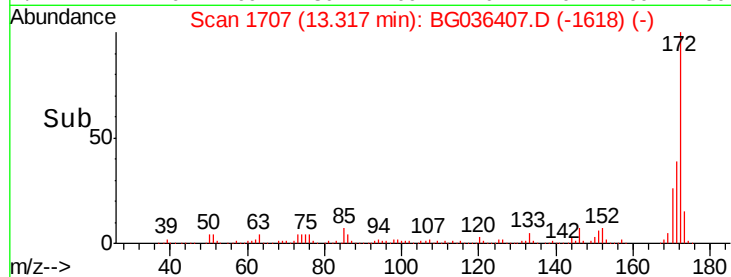
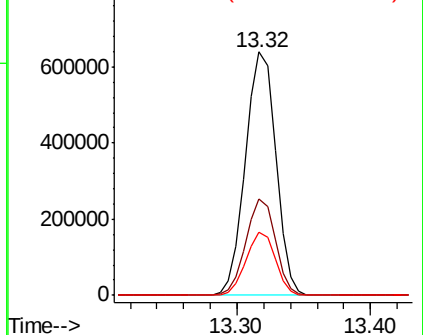
#44
2-Fluorobiphenyl
Concen: 105.297 ng
RT: 13.32 min Scan# 1707
Delta R.T. -0.01 min
Lab File: BG036407.D
Acq: 24 Aug 2018 10:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1007078
Ion Ratio Lower Upper
172 100
171 39.4 31.3 46.9
170 26.1 21.0 31.6

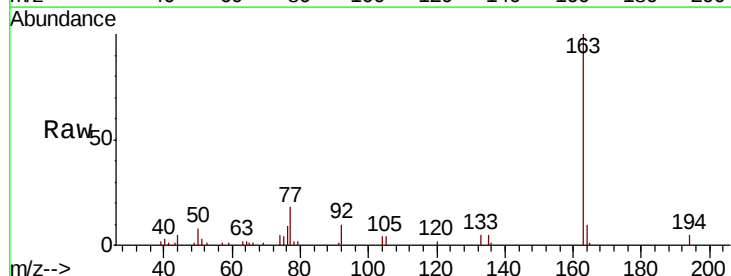


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

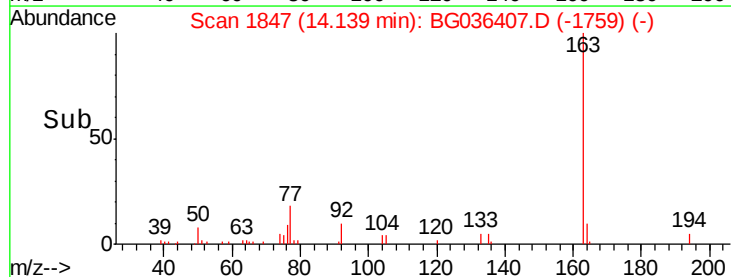
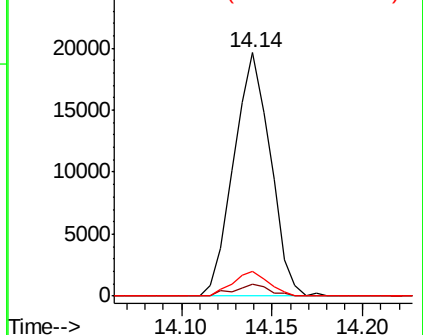


#49
Dimethylphthalate
Concen: 2.475 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BG036407.D
Acq: 24 Aug 2018 10:31

Tgt Ion:163 Resp: 27602
Ion Ratio Lower Upper
163 100
194 4.6 4.0 6.0
164 10.0 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

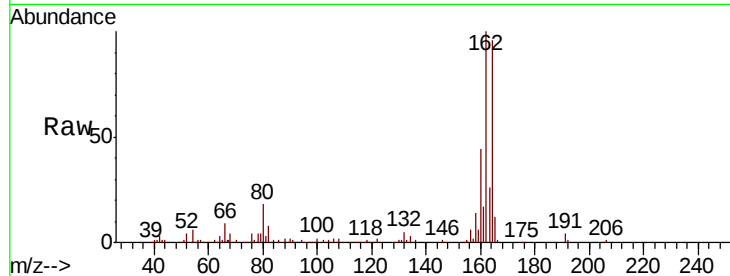




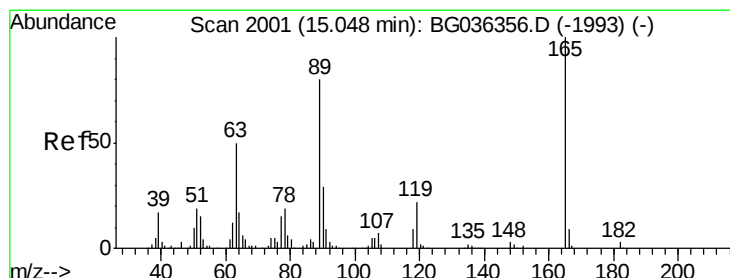
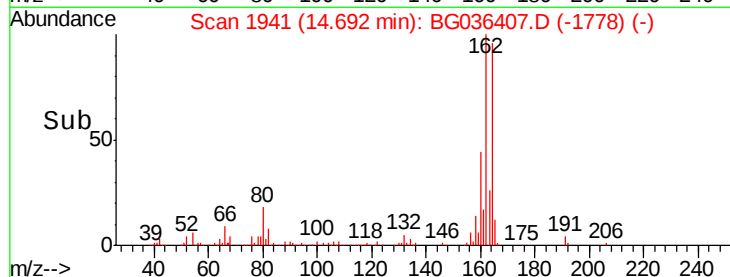
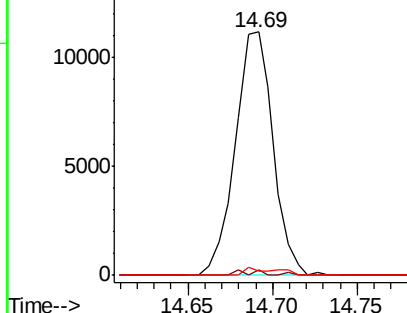
#50
 2,6-Dinitrotoluene
 Concen: 7.554 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. 0.43 min
 Lab File: BG036407.D
 Acq: 24 Aug 2018 10:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 17334
 Ion Ratio Lower Upper
 165 100
 63 2.5 50.1 75.1#
 89 1.7 47.8 71.6#

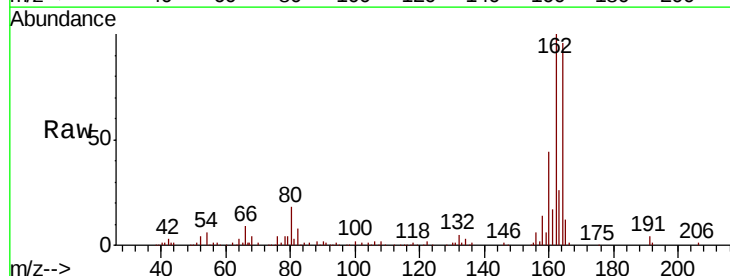


Abundance Ion 165.00 (164.70 to 165.70): E
 15000 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

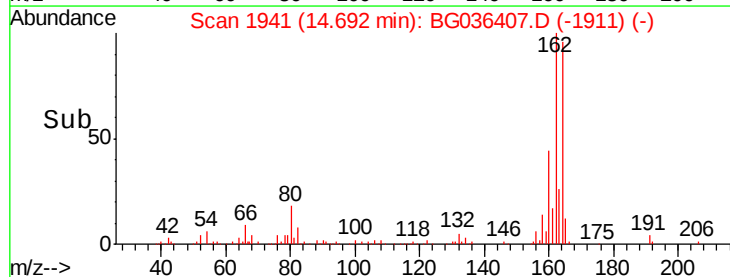
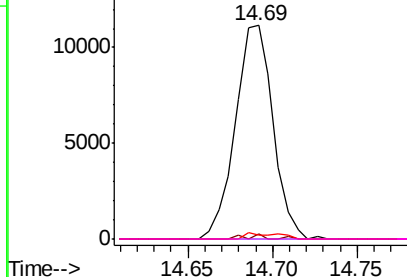


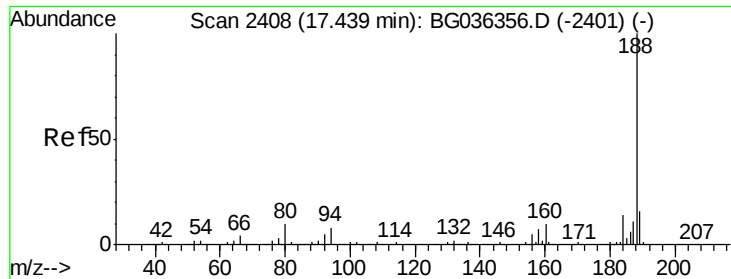
#56
 2,4-Dinitrotoluene
 Concen: 5.796 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. -0.36 min
 Lab File: BG036407.D
 Acq: 24 Aug 2018 10:31

Tgt Ion:165 Resp: 17334
 Ion Ratio Lower Upper
 165 100
 63 2.5 40.1 60.1#
 89 1.7 63.7 95.5#
 182 0.0 2.5 3.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 15000 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

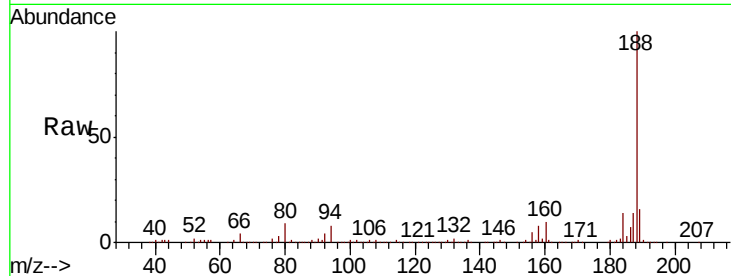




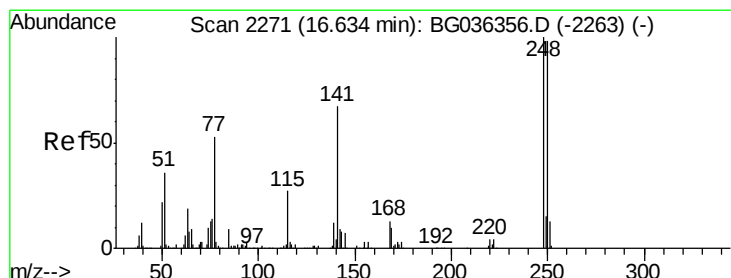
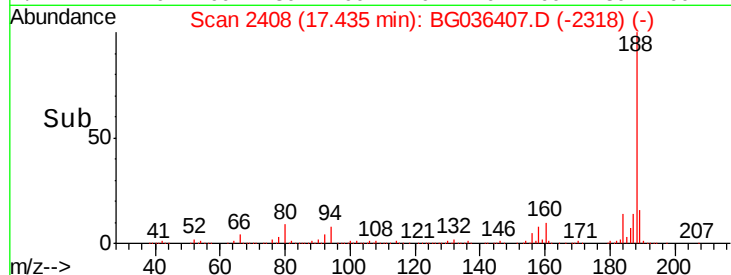
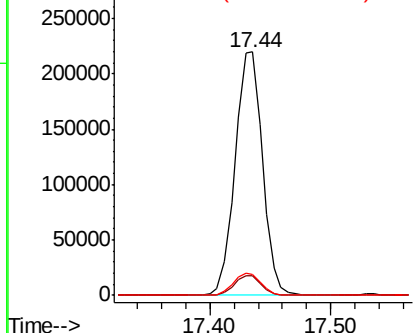
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2408
Delta R.T. -0.00 min
Lab File: BG036407.D
Acq: 24 Aug 2018 10:31

Instrument :
BNA_G
ClientSampled :

Tot Ion:188 Resp: 347431
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 8.5 8.1 12.1

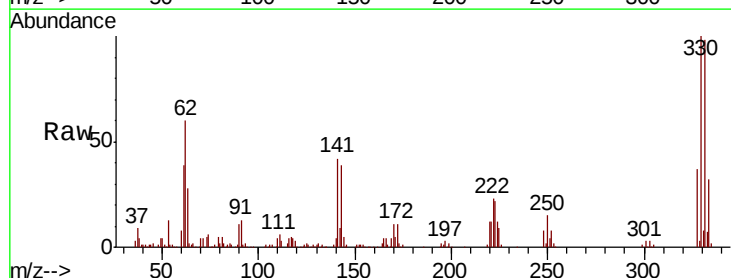


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

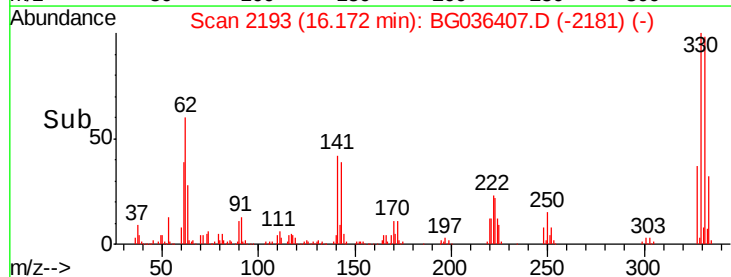
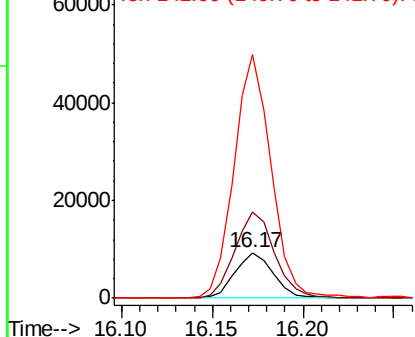


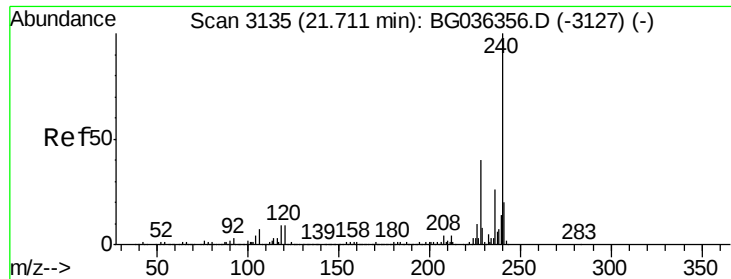
#66
4-Bromophenyl-phenylether
Concen: 3.337 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG036407.D
Acq: 24 Aug 2018 10:31

Tgt Ion:248 Resp: 13575
Ion Ratio Lower Upper
248 100
250 187.7 78.1 117.1#
141 531.5 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. -0.02 min

Lab File: BG036407.D

Acq: 24 Aug 2018 10:31

Instrument :

BNA_G

ClientSampleId :

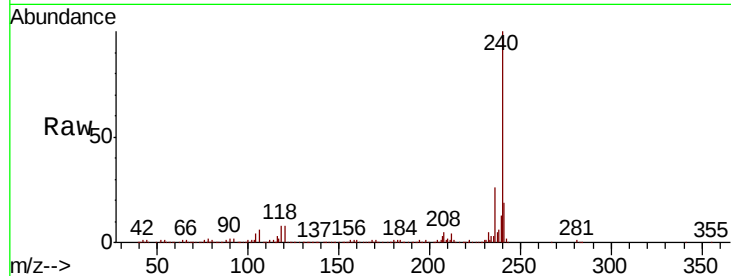
Tot Ion:240 Resp: 398287

Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

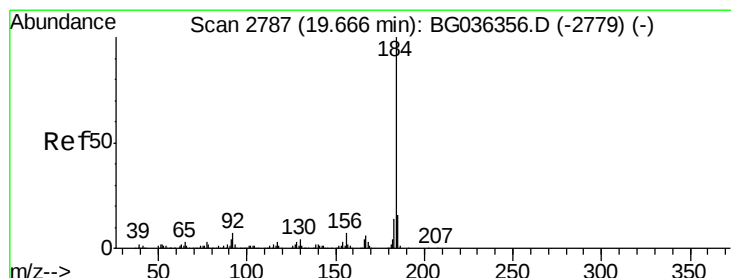
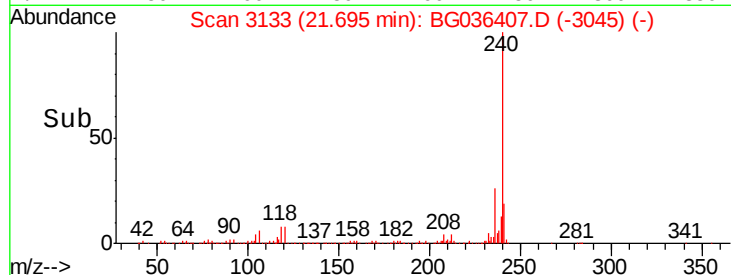
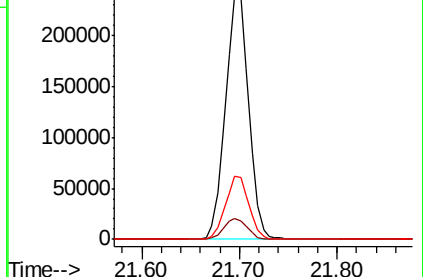
236 25.9 21.2 31.8



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: 2.190 ng

RT: 20.04 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG036407.D

Acq: 24 Aug 2018 10:31

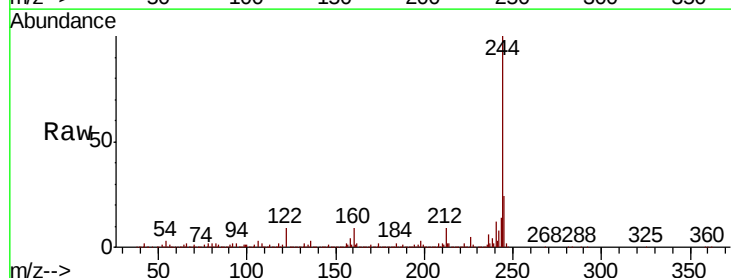
Tgt Ion:184 Resp: 27824

Ion Ratio Lower Upper

184 100

185 16.9 12.6 18.8

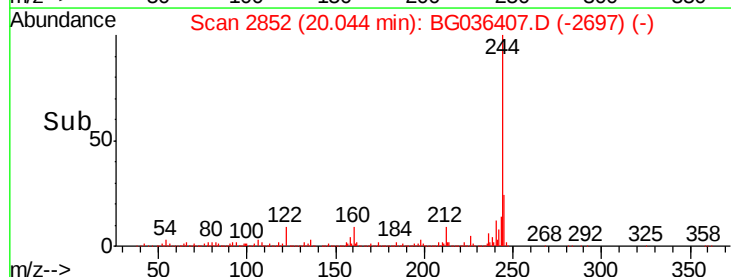
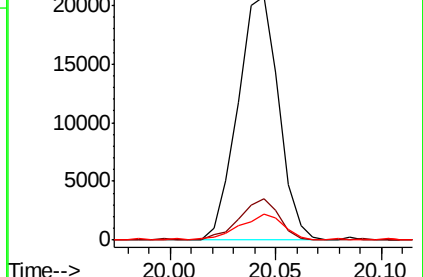
183 10.9 10.9 16.3#

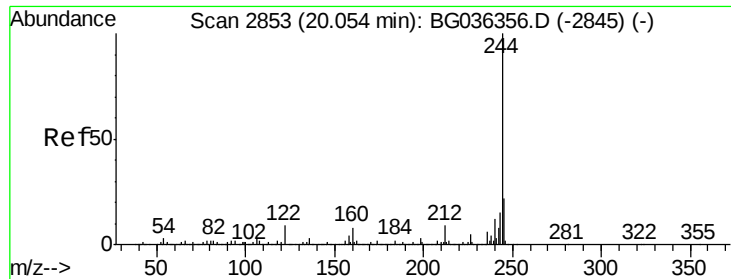


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



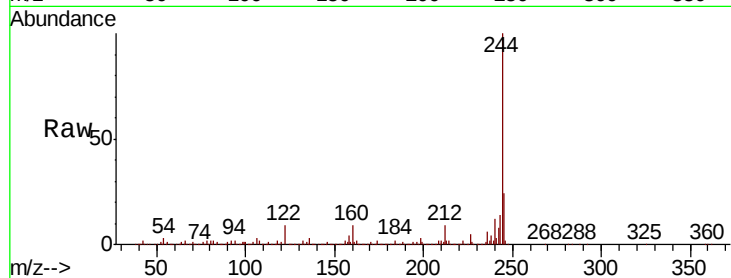


#78
 Terphenyl-d14
 Concen: 88.918 ng
 RT: 20.04 min Scan# 2852
 Delta R.T. -0.01 min
 Lab File: BG036407.D
 Acq: 24 Aug 2018 10:31

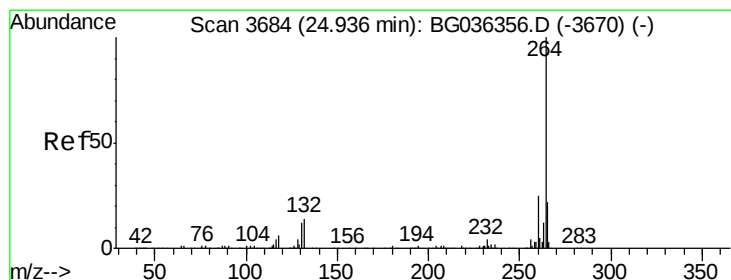
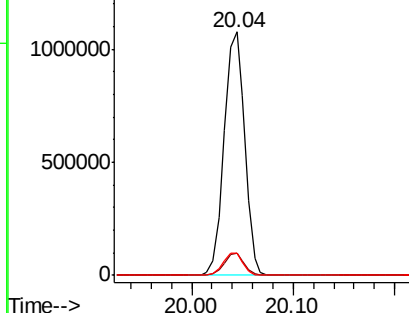
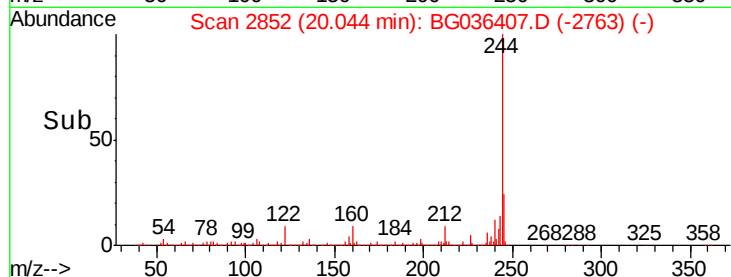
Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1515177

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.0	10.6
122	9.3	7.1	10.7



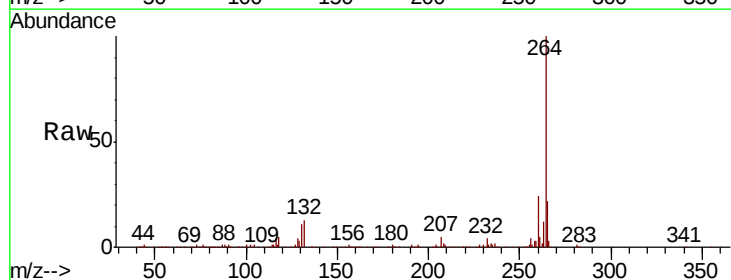
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3681
 Delta R.T. -0.02 min
 Lab File: BG036407.D
 Acq: 24 Aug 2018 10:31

Tgt Ion:264 Resp: 410635

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	21.8	17.4	26.0



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

