

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092218\
 Data File : BG036906.D
 Acq On : 23 Sep 2018 00:02
 Operator : JU/SJ
 Sample : J5019-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 04:44:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 20:07:11 2018
 Response via : Initial Calibration

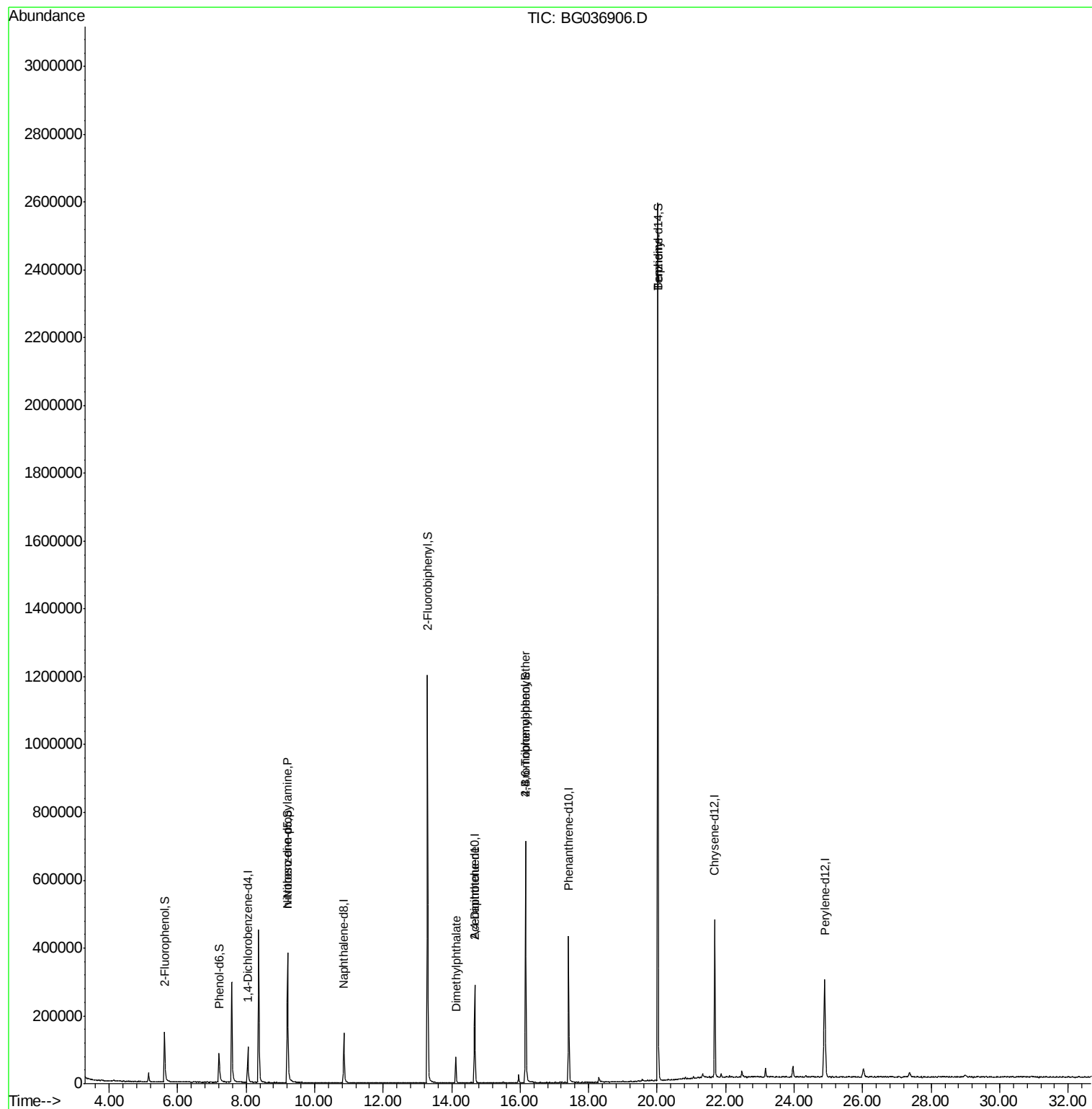
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	33757	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	145524	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	106562	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	292398	20.00	ng	0.00
75) Chrysene-d12	21.68	240	304688	20.00	ng	0.00
86) Perylene-d12	24.89	264	302204	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	79598	45.22	ng	0.00
7) Phenol-d6	7.20	99	68179	25.04	ng	0.00
23) Nitrobenzene-d5	9.21	82	269759	99.27	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	139590	109.49	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	686856	96.00	ng	0.00
78) Terphenyl-d14	20.02	244	1308363	112.91	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	35271	15.569	ng	Qvalue # 73
49) Dimethylphthalate	14.12	163	61808	7.206	ng	99
56) 2,4-Dinitrotoluene	14.67	165	13205	5.057	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	9669	2.907	ng	# 1
76) Benzidine	20.02	184	22935	2.490	ng	# 92

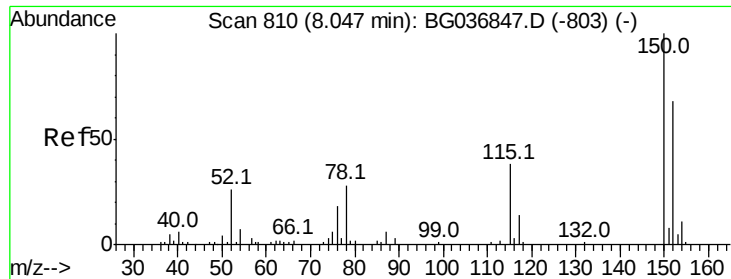
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 810

Delta R.T. 0.00 min

Lab File: BG036906.D

Acq: 23 Sep 2018 00:02

Instrument :

BNA_G

ClientSampleId :

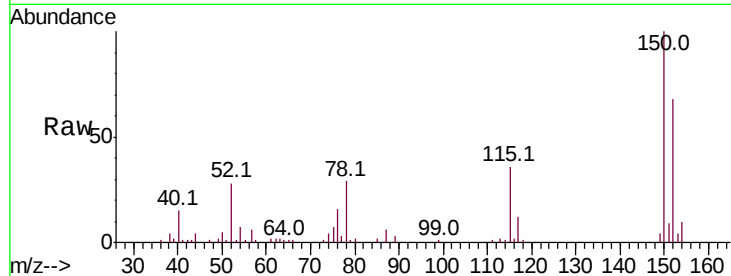
Tot Ion:152 Resp: 33757

Ion Ratio Lower Upper

152 100

150 147.4 119.5 179.3

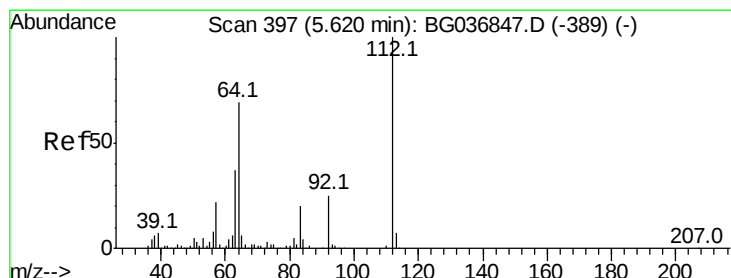
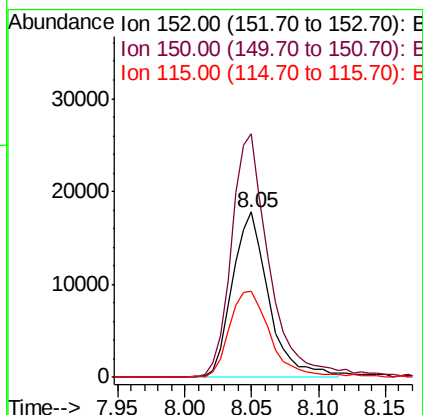
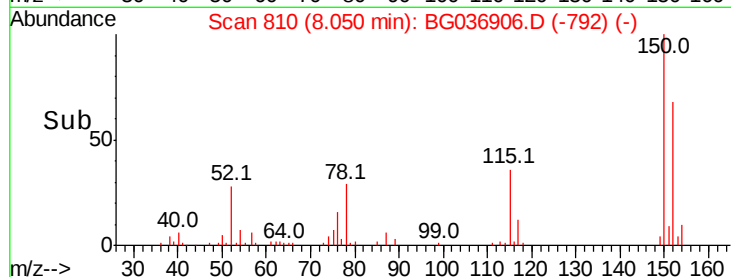
115 52.5 44.5 66.7



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: 45.221 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.00 min

Lab File: BG036906.D

Acq: 23 Sep 2018 00:02

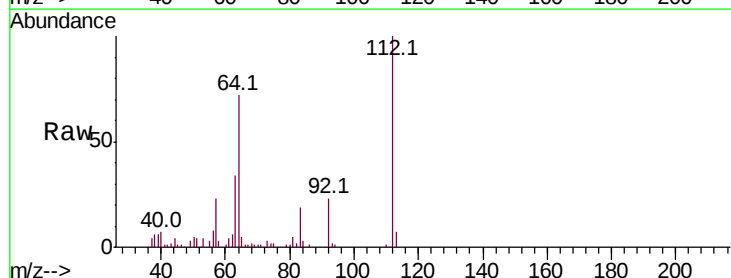
Tgt Ion:112 Resp: 79598

Ion Ratio Lower Upper

112 100

64 72.4 57.2 85.8

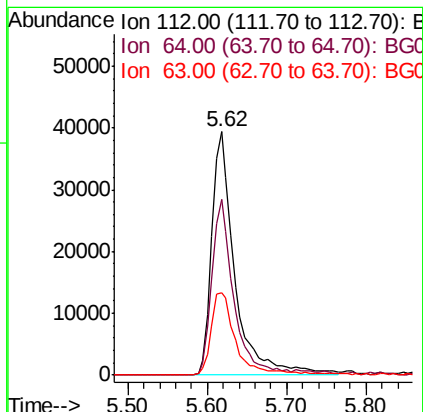
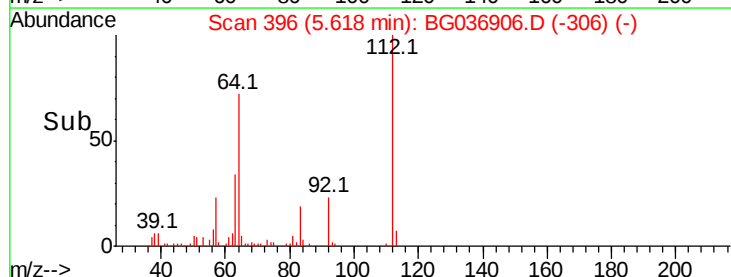
63 34.1 30.8 46.2



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: 25.035 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036906.D

Acq: 23 Sep 2018 00:02

Instrument :

BNA_G

ClientSampled :

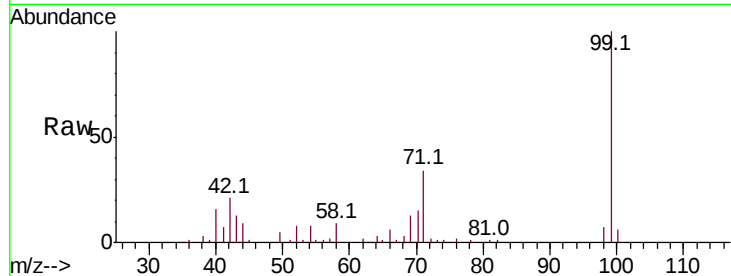
Tot Ion: 99 Resp: 68179

Ion Ratio Lower Upper

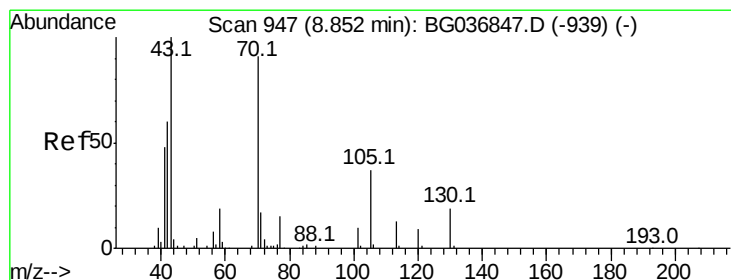
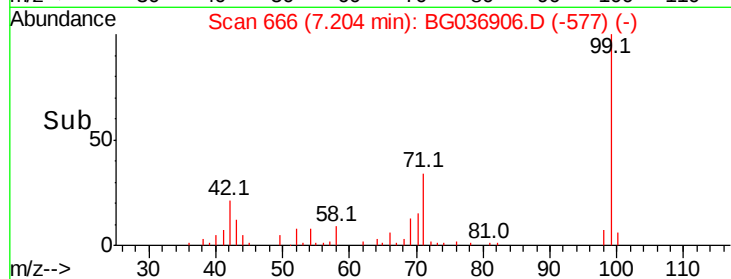
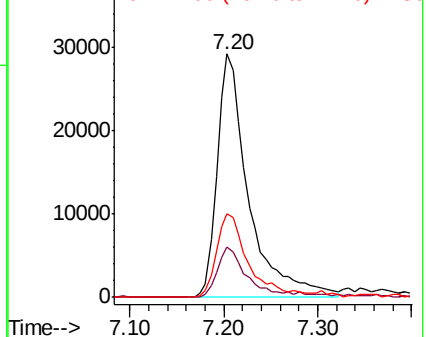
99 100

42 20.7 16.5 24.7

71 34.4 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: 15.569 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.36 min

Lab File: BG036906.D

Acq: 23 Sep 2018 00:02

Tgt Ion: 70 Resp: 35271

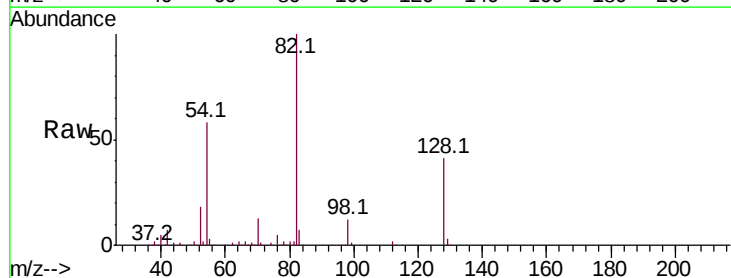
Ion Ratio Lower Upper

70 100

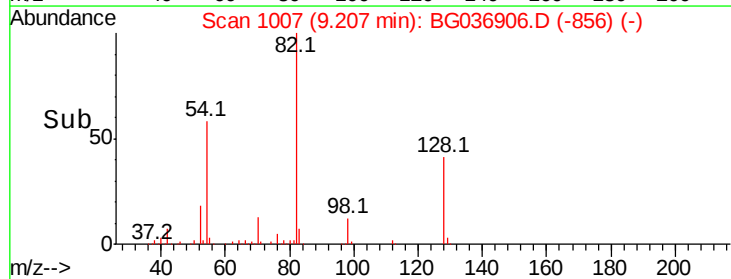
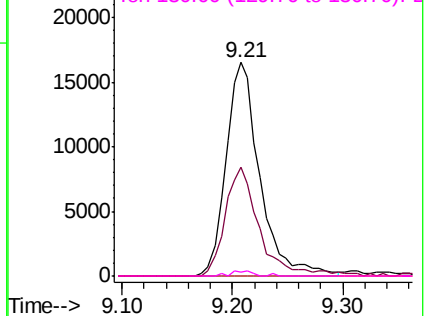
42 50.9 56.2 84.4#

101 0.0 7.8 11.6#

130 1.9 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

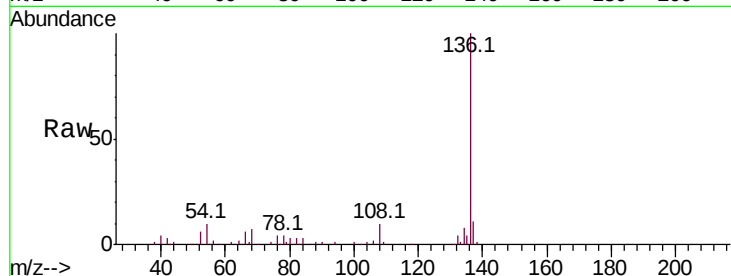




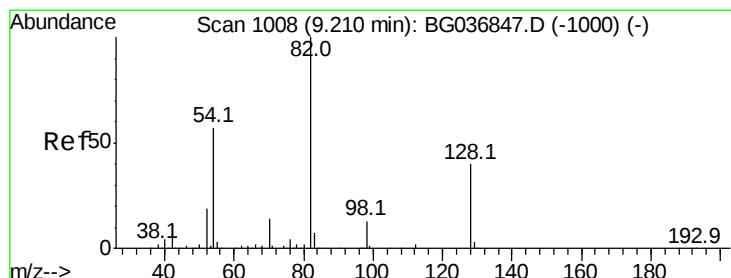
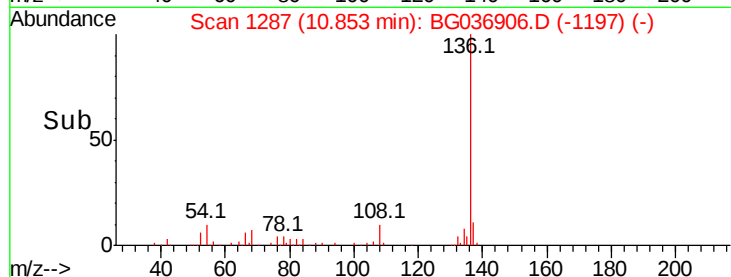
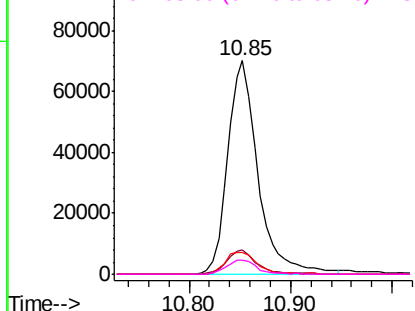
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BG036906.D
Acq: 23 Sep 2018 00:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	145524
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	10.3	9.2	13.8
68	6.6	5.8	8.6

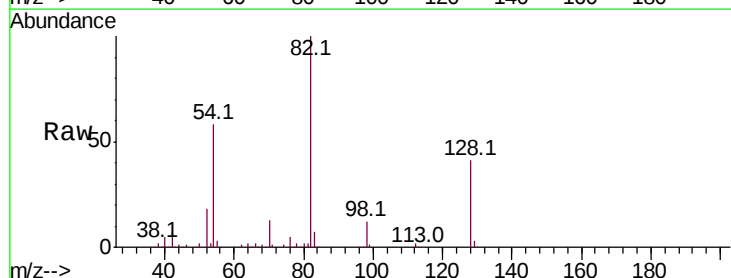


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

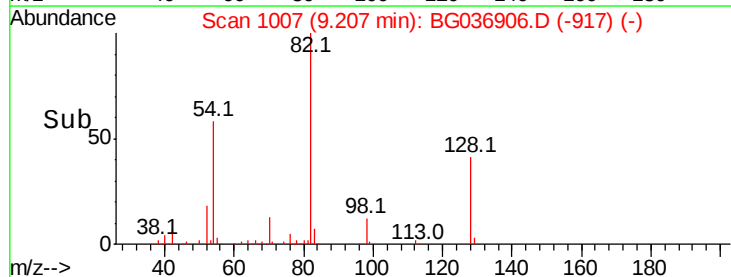
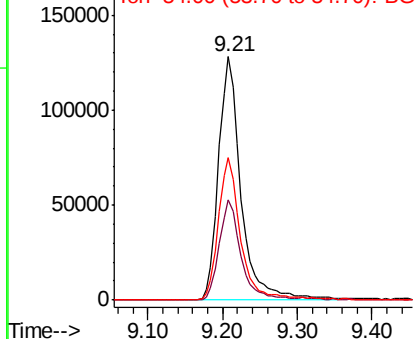


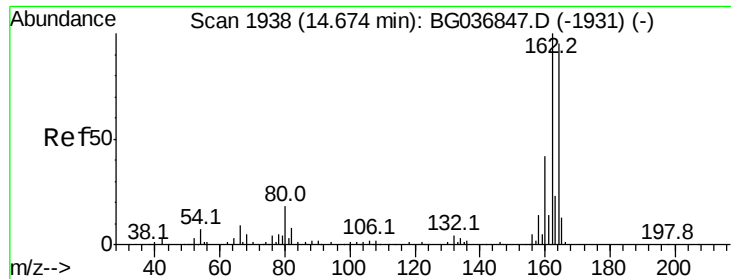
#23
Nitrobenzene-d5
Concen: 99.268 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BG036906.D
Acq: 23 Sep 2018 00:02

Tgt Ion:	82	Resp:	269759
Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.3	49.9
54	58.4	45.1	67.7



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

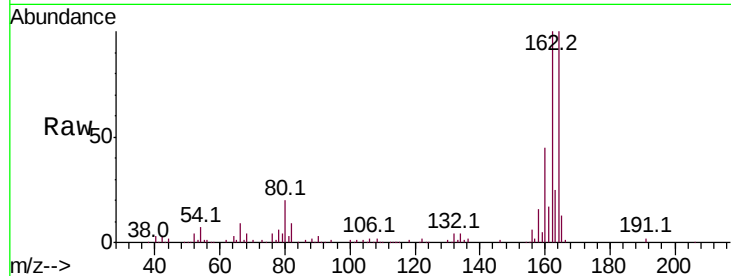




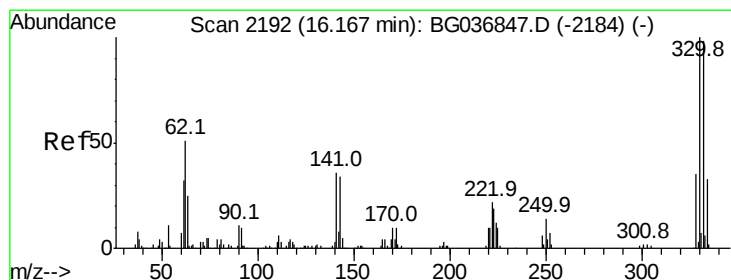
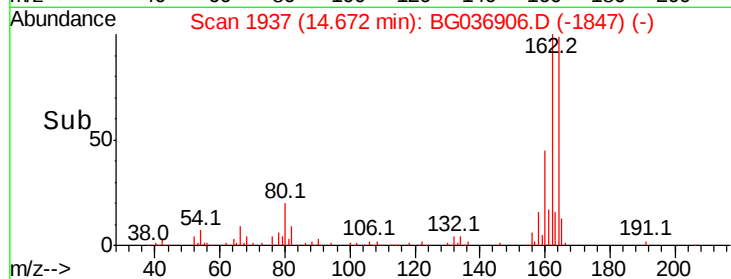
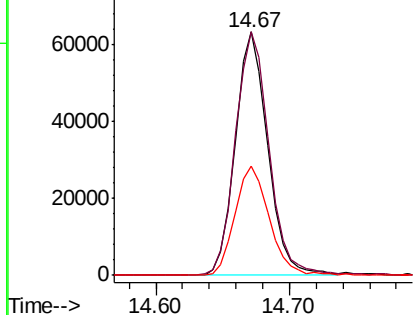
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.00 min
Lab File: BG036906.D
Acq: 23 Sep 2018 00:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 106562
Ion Ratio Lower Upper
164 100
162 99.9 80.7 121.1
160 44.7 35.3 52.9

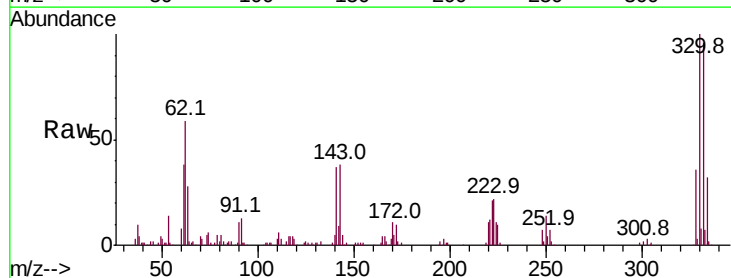


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

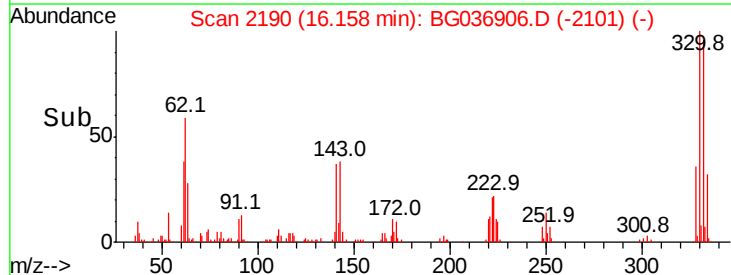
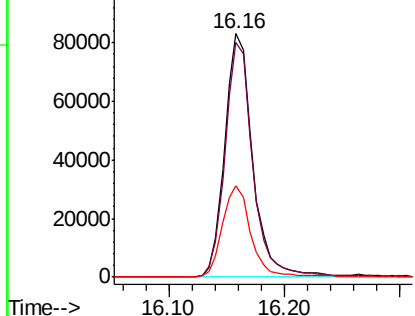


#41
2,4,6-Tribromophenol
Concen: 109.487 ng
RT: 16.16 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BG036906.D
Acq: 23 Sep 2018 00:02

Tgt Ion:330 Resp: 139590
Ion Ratio Lower Upper
330 100
332 96.5 75.4 113.2
141 38.2 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

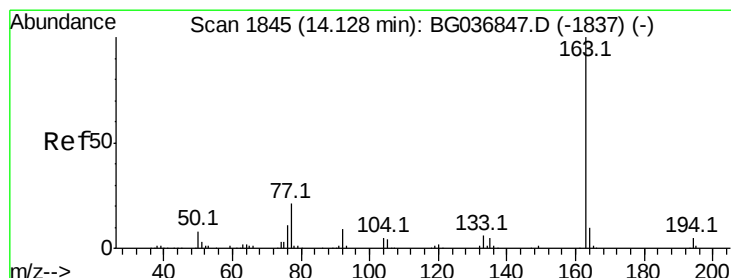
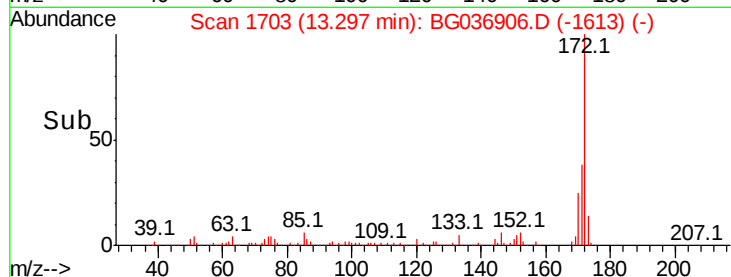
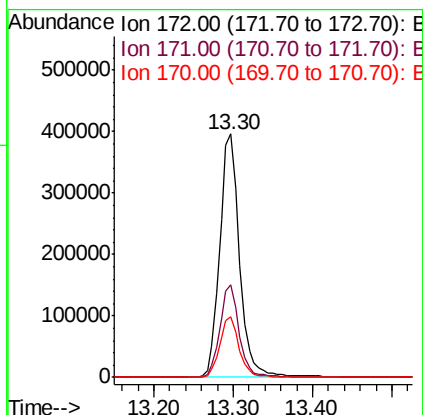
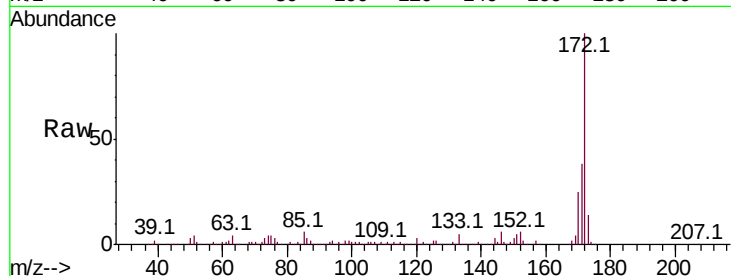




#44
2-Fluorobiphenyl
Concen: 96.000 ng
RT: 13.30 min Scan# 1703
Delta R.T. -0.00 min
Lab File: BG036906.D
Acq: 23 Sep 2018 00:02

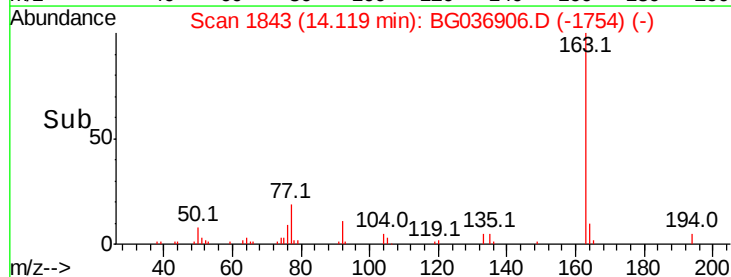
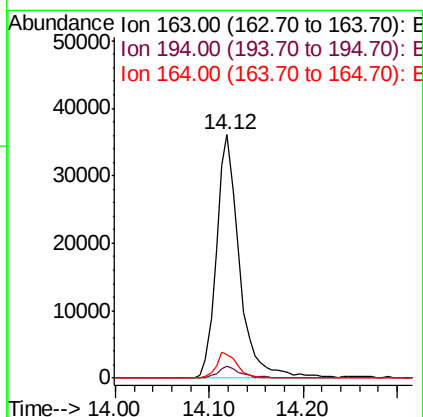
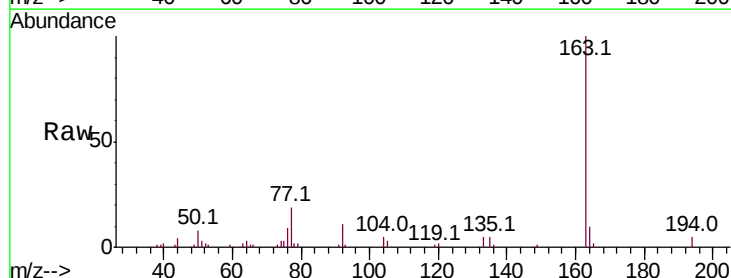
Instrument :
BNA_G
ClientSampleId :

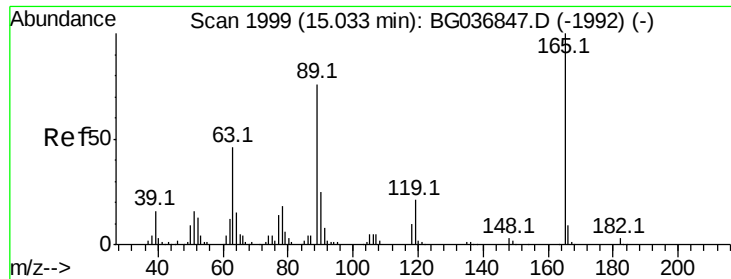
Tot Ion:172 Resp: 686856
Ion Ratio Lower Upper
172 100
171 38.0 31.3 46.9
170 24.6 21.0 31.6



#49
Dimethylphthalate
Concen: 7.206 ng
RT: 14.12 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BG036906.D
Acq: 23 Sep 2018 00:02

Tgt Ion:163 Resp: 61808
Ion Ratio Lower Upper
163 100
194 5.0 4.0 6.0
164 9.6 8.1 12.1

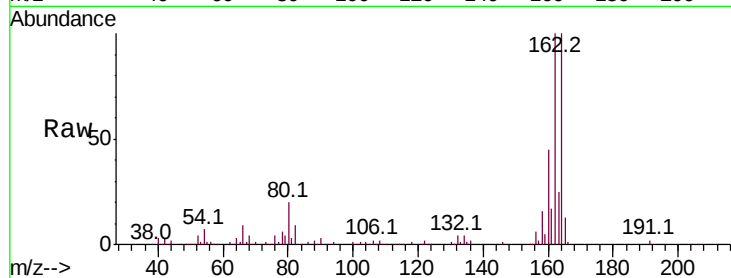




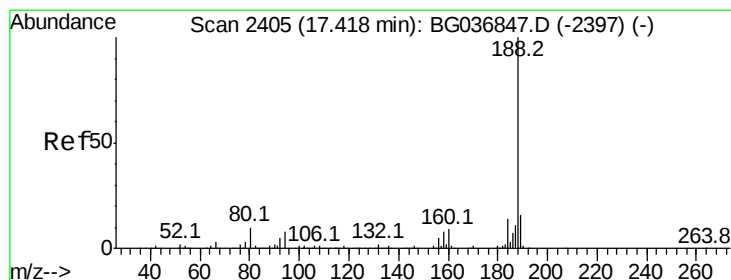
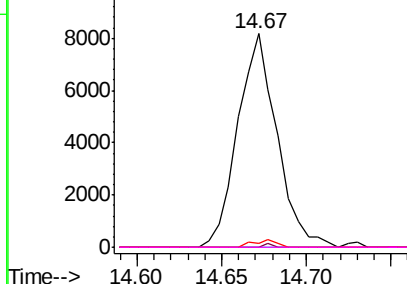
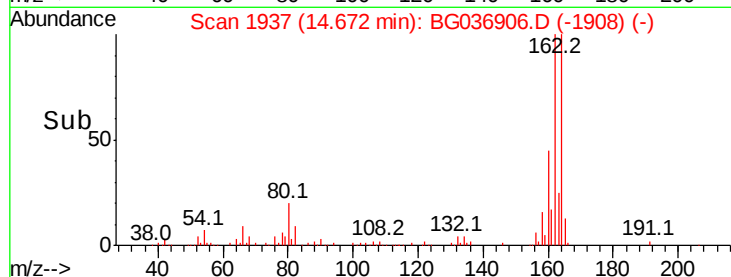
#56
2,4-Dinitrotoluene
Concen: 5.057 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.36 min
Lab File: BG036906.D
Acq: 23 Sep 2018 00:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 13205
Ion Ratio Lower Upper
165 100
63 0.0 40.1 60.1#
89 2.0 63.7 95.5#
182 0.0 2.5 3.7#

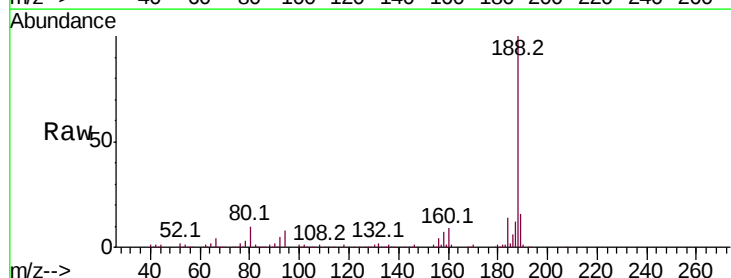


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

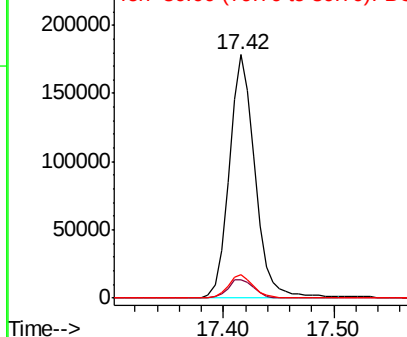
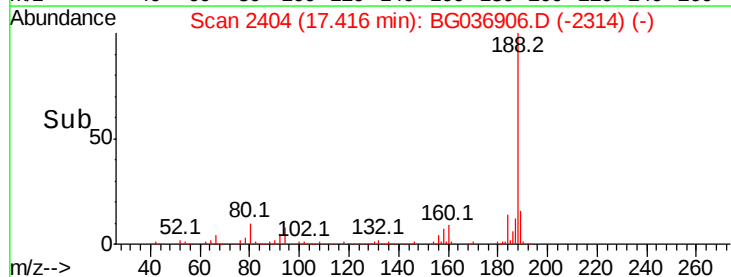


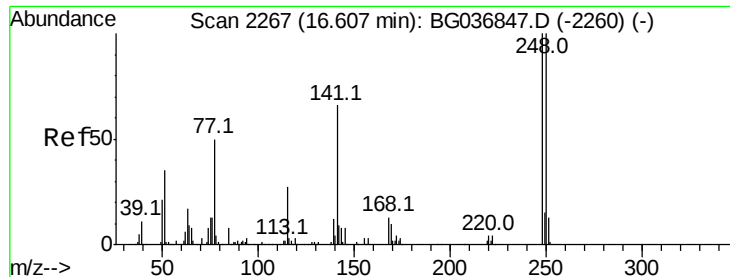
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2404
Delta R.T. -0.00 min
Lab File: BG036906.D
Acq: 23 Sep 2018 00:02

Tgt Ion:188 Resp: 292398
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 9.6 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

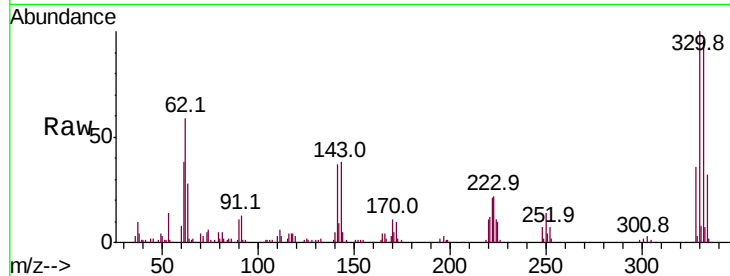




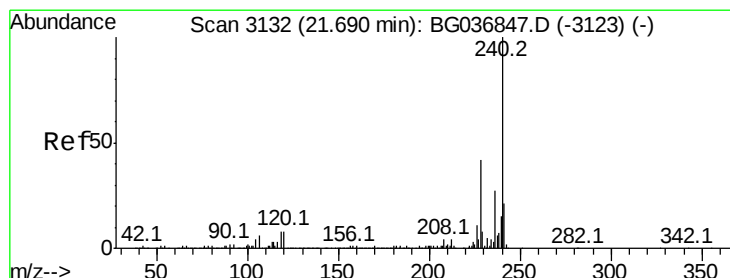
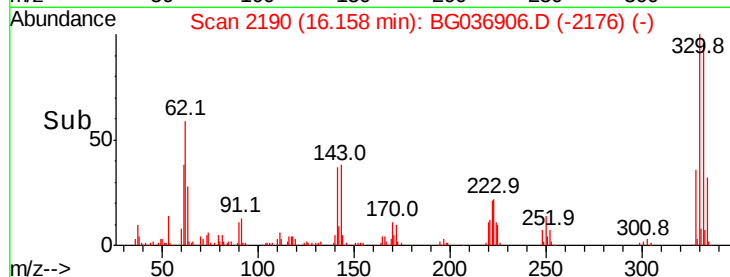
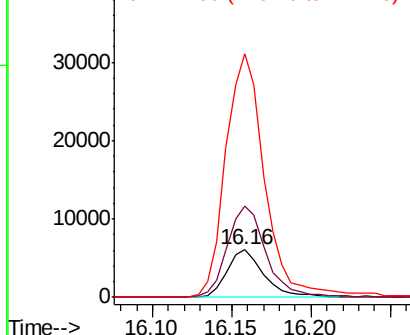
#66
 4-Bromophenyl-phenylether
 Concen: 2.907 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036906.D
 Acq: 23 Sep 2018 00:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 9669
 Ion Ratio Lower Upper
 248 100
 250 193.1 78.1 117.1#
 141 516.0 53.7 80.5#

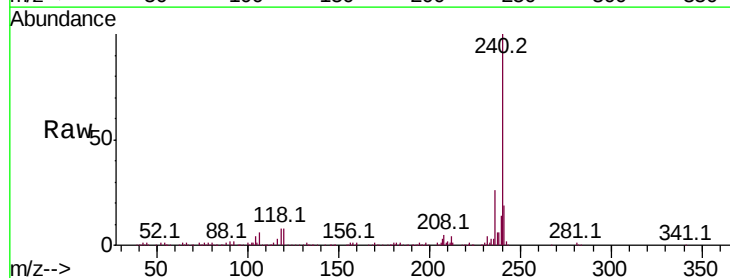


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

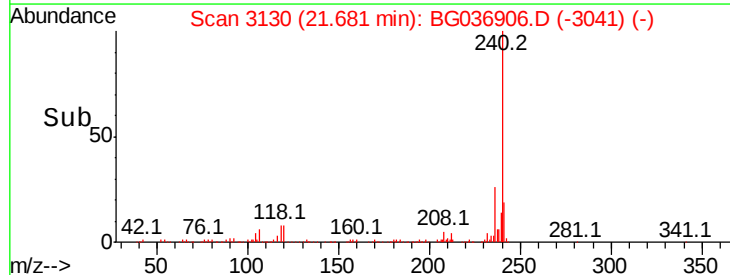
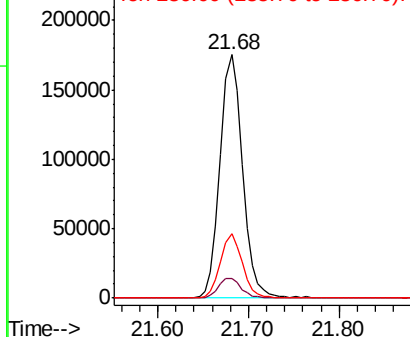


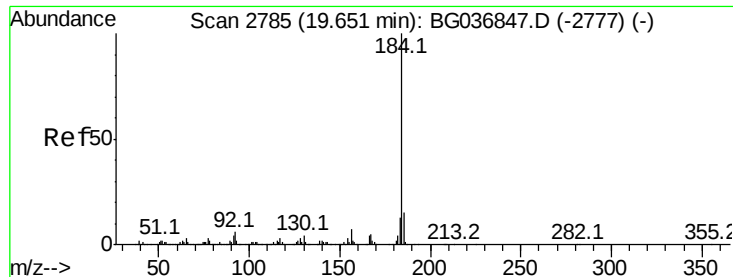
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036906.D
 Acq: 23 Sep 2018 00:02

Tgt Ion:240 Resp: 304688
 Ion Ratio Lower Upper
 240 100
 120 8.2 6.9 10.3
 236 26.4 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: 2.490 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036906.D

Acq: 23 Sep 2018 00:02

Instrument :

BNA_G

ClientSampleId :

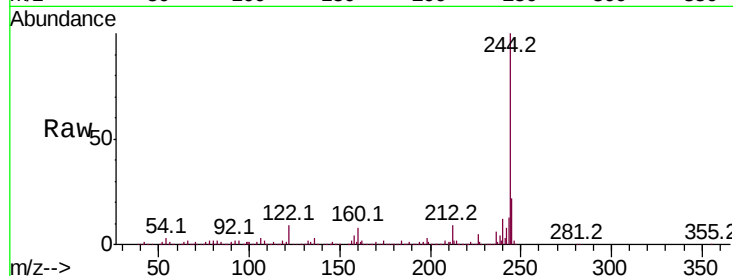
Tot Ion:184 Resp: 22935

Ion Ratio Lower Upper

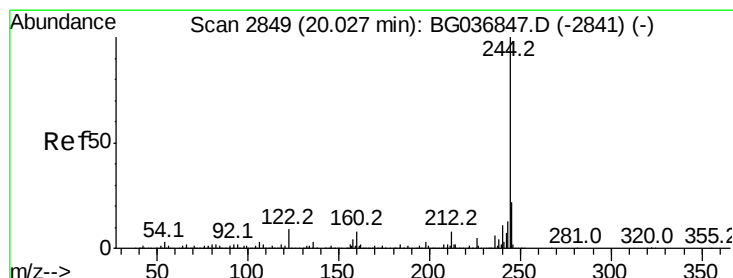
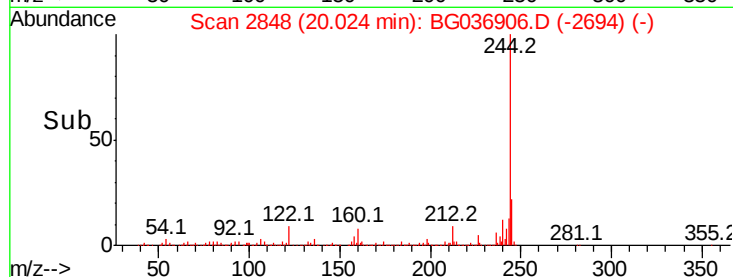
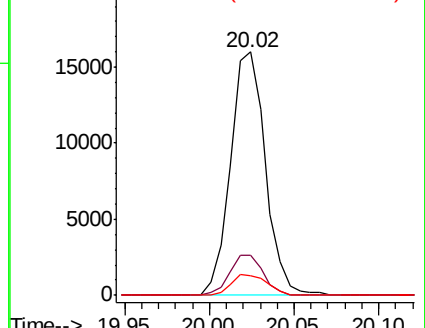
184 100

185 16.7 12.6 18.8

183 7.9 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: 112.913 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG036906.D

Acq: 23 Sep 2018 00:02

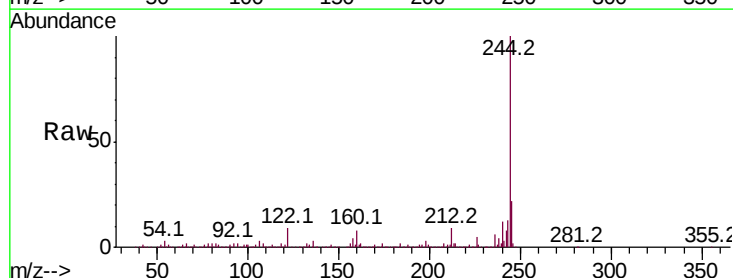
Tgt Ion:244 Resp: 1308363

Ion Ratio Lower Upper

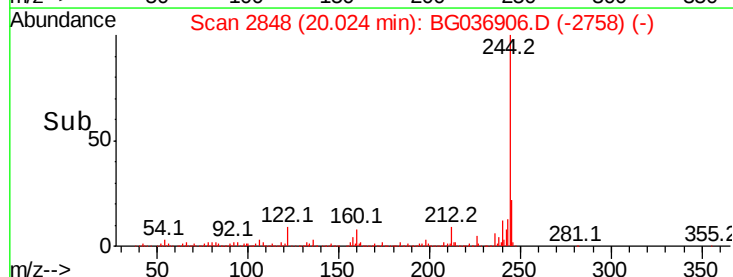
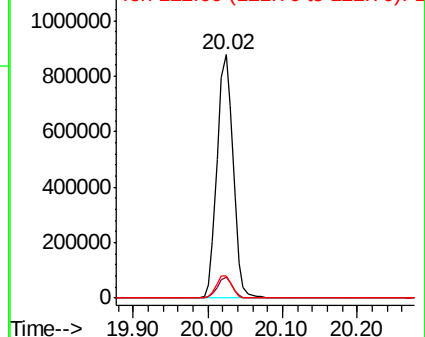
244 100

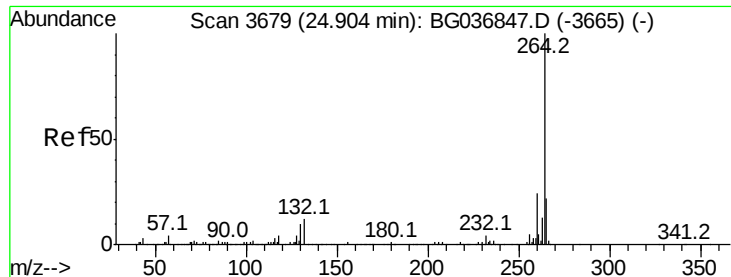
212 8.7 7.0 10.6

122 9.1 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: 24.89 min Scan# 3676
Delta R.T. -0.01 min
Lab File: BG036906.D
Acq: 23 Sep 2018 00:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.6	29.4
265	21.5	17.4	26.0

