

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092218\
 Data File : BG036909.D
 Acq On : 23 Sep 2018 1:59
 Operator : JU/SJ
 Sample : J5019-16
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 04:45:25 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

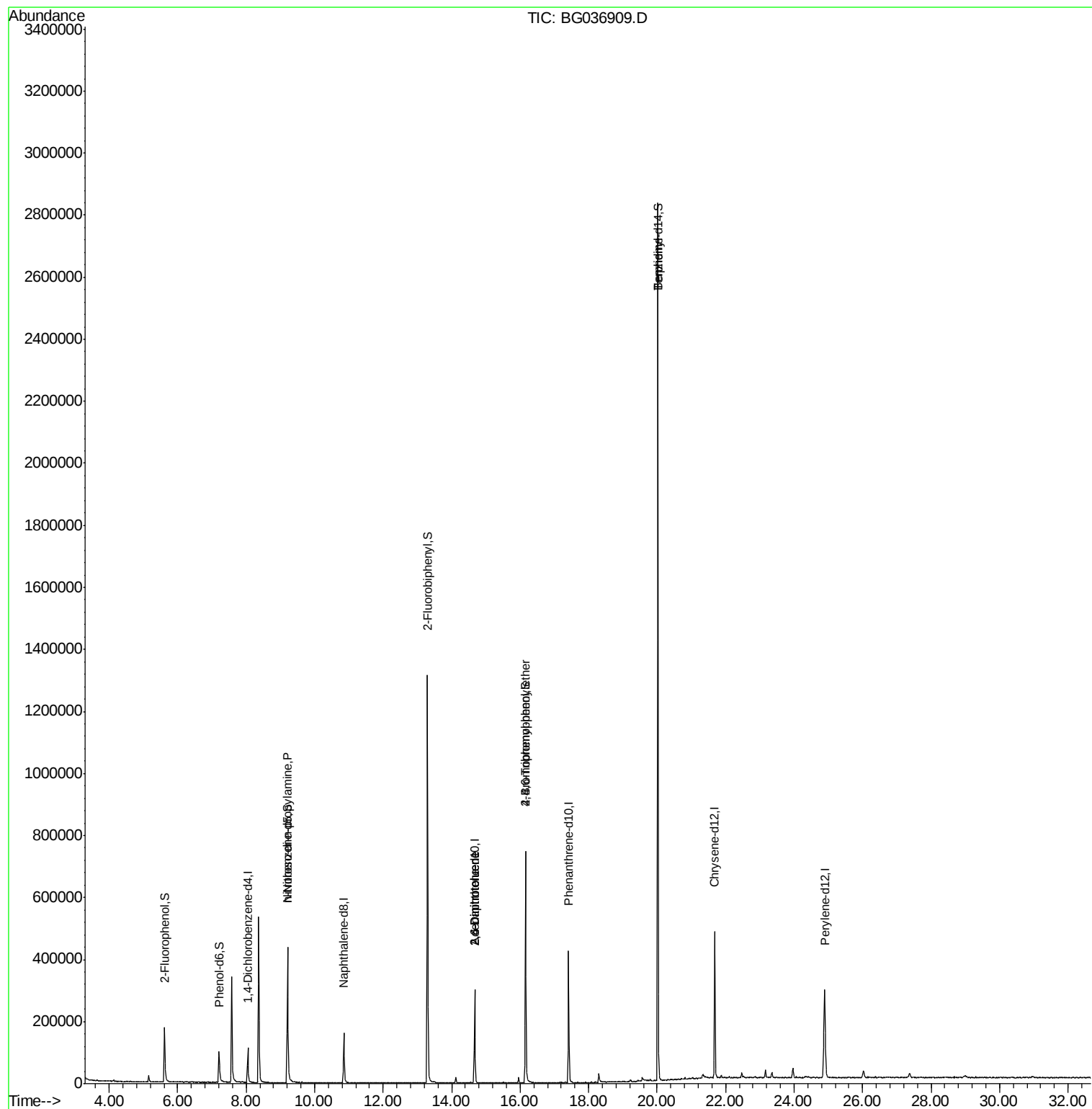
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	36954	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	158438	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	109615	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	290645	20.00	ng	0.00
75) Chrysene-d12	21.68	240	308714	20.00	ng	0.00
86) Perylene-d12	24.89	264	309543	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	88170	45.76	ng	0.00
7) Phenol-d6	7.20	99	76951	25.81	ng	0.00
23) Nitrobenzene-d5	9.21	82	314056	106.15	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	144531	110.20	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	756090	102.73	ng	0.00
78) Terphenyl-d14	20.02	244	1318244	112.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	40471	16.318	ng	# 74
50) 2,6-Dinitrotoluene	14.67	165	14035	7.291	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	14035	5.225	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	10053	3.041	ng	# 1
76) Benzidine	20.02	184	23535	2.522	ng	96

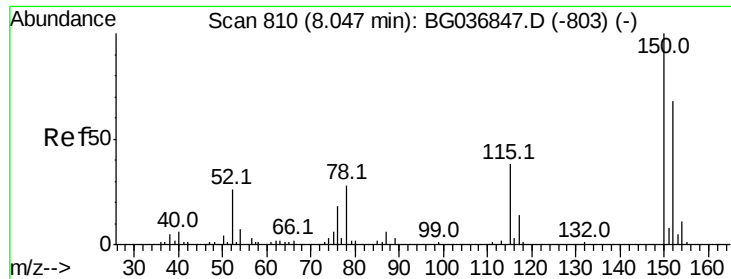
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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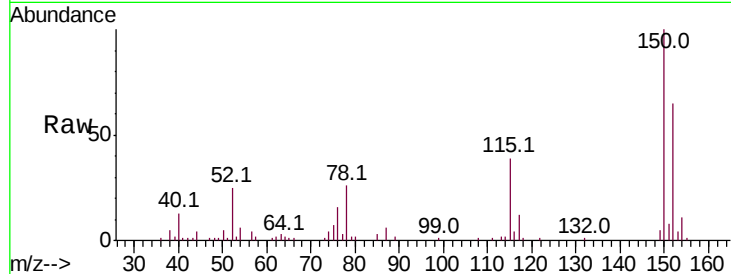


#1

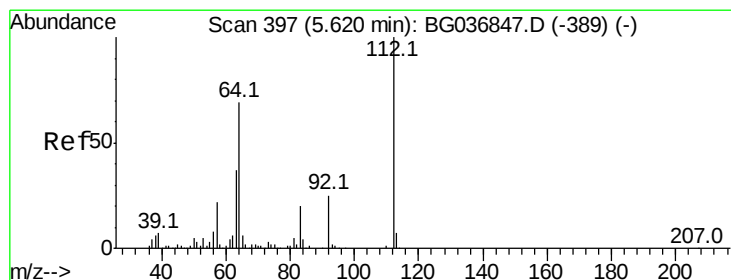
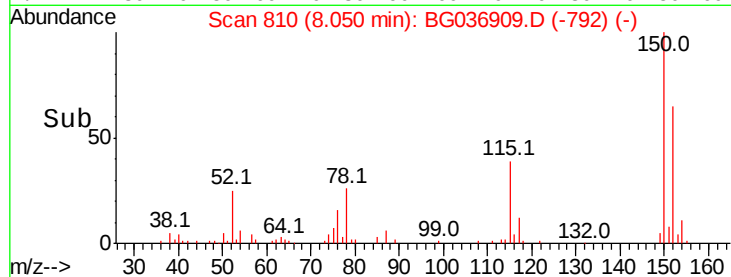
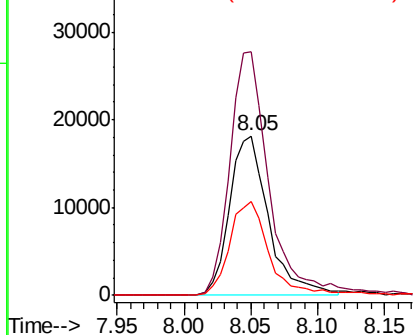
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. 0.00 min
Lab File: BG036909.D
Acq: 23 Sep 2018 1:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36954
Ion Ratio Lower Upper
152 100
150 152.8 119.5 179.3
115 59.0 44.5 66.7



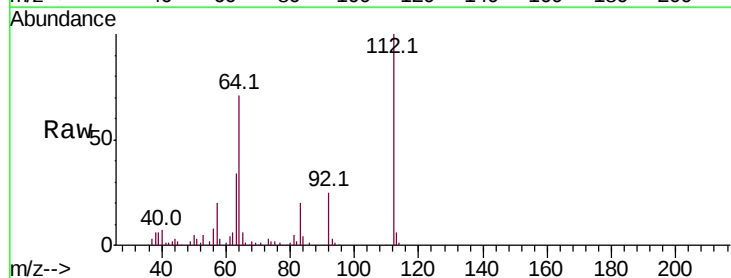
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



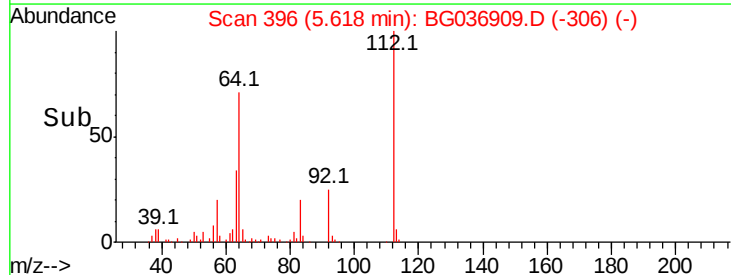
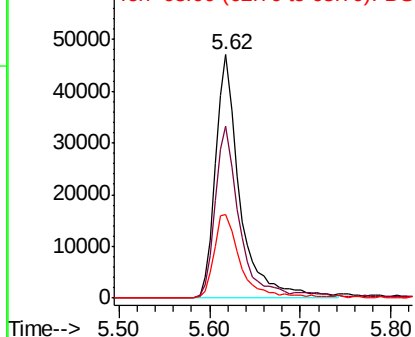
#5

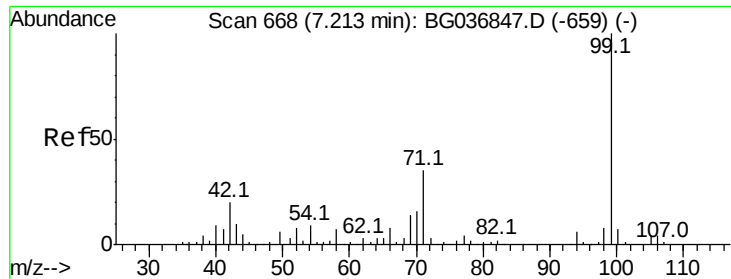
2-Fluorophenol
Concen: 45.757 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG036909.D
Acq: 23 Sep 2018 1:59

Tgt Ion:112 Resp: 88170
Ion Ratio Lower Upper
112 100
64 70.6 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): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 25.812 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036909.D

Acq: 23 Sep 2018 1:59

Instrument :

BNA_G

ClientSampleId :

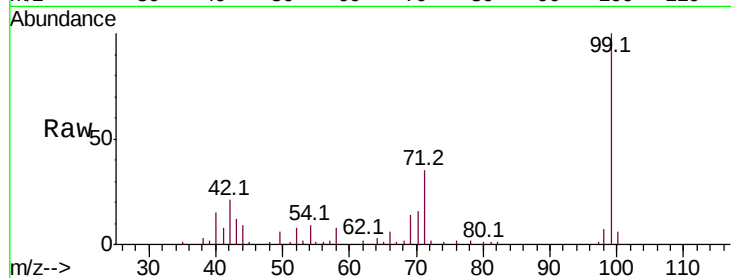
Tot Ion: 99 Resp: 76951

Ion Ratio Lower Upper

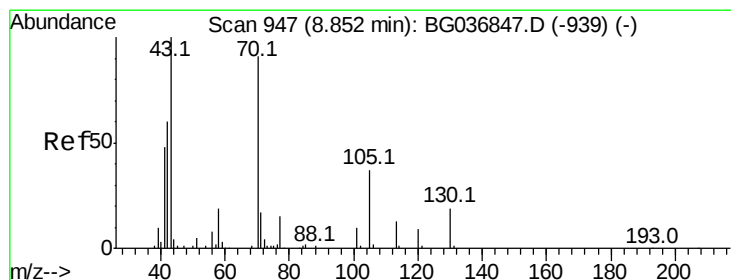
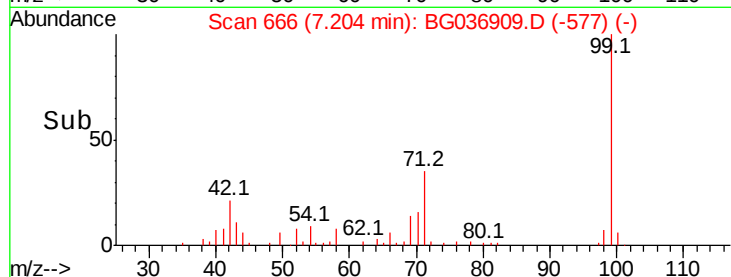
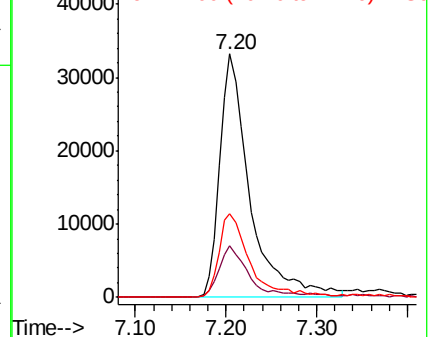
99 100

42 21.0 16.5 24.7

71 34.5 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: 16.318 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.36 min

Lab File: BG036909.D

Acq: 23 Sep 2018 1:59

Tgt Ion: 70 Resp: 40471

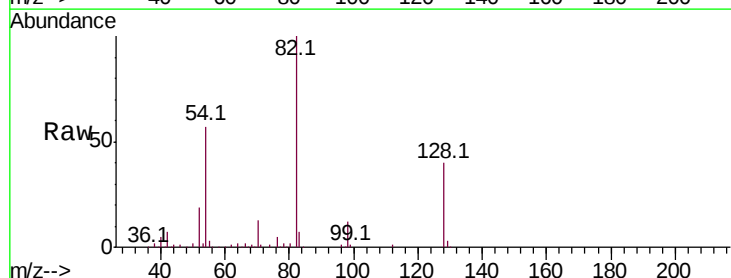
Ion Ratio Lower Upper

70 100

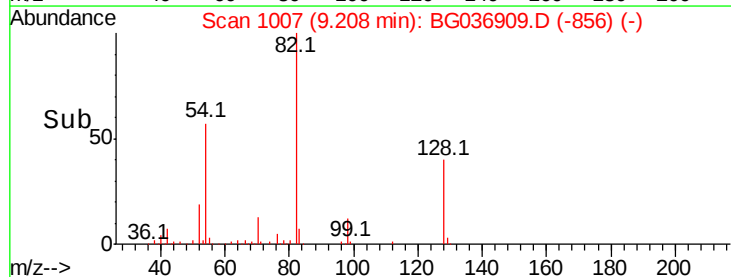
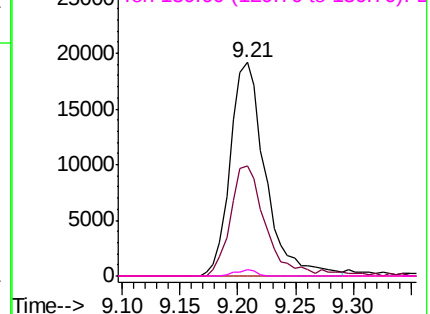
42 51.4 56.2 84.4#

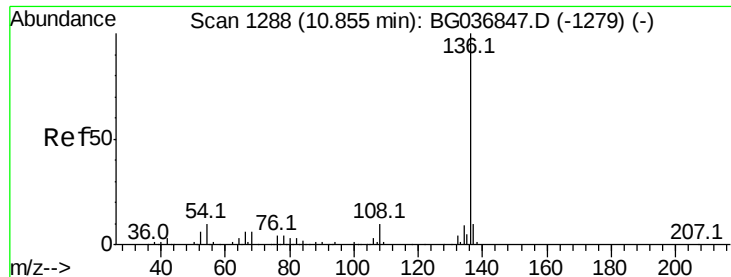
101 0.0 7.8 11.6#

130 2.8 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

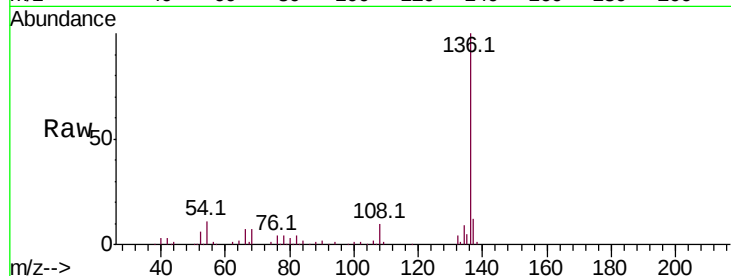




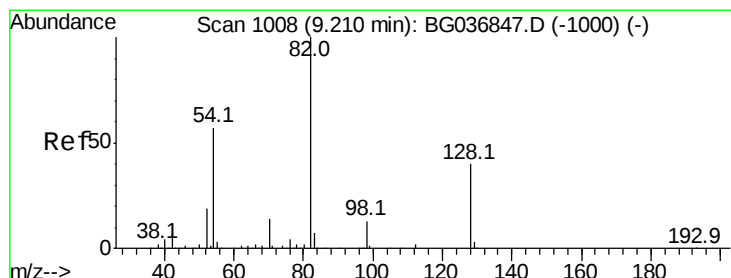
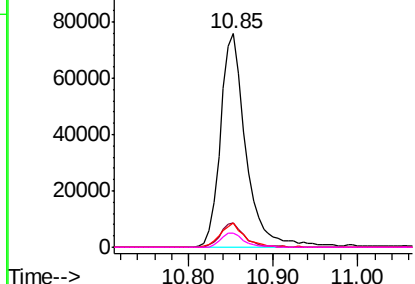
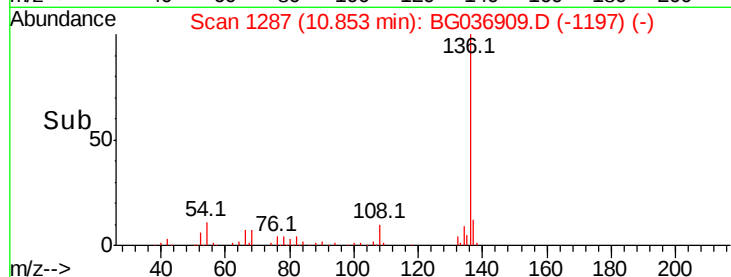
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BG036909.D
Acq: 23 Sep 2018 1:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	158438
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	11.3	9.2	13.8
68	6.7	5.8	8.6

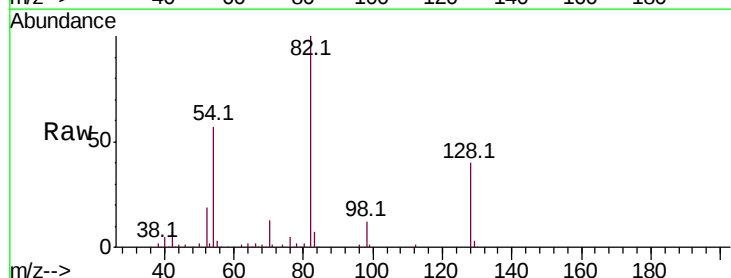


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

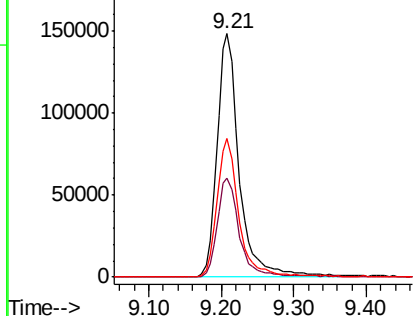
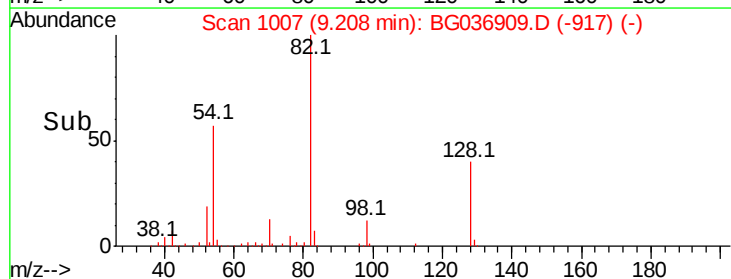


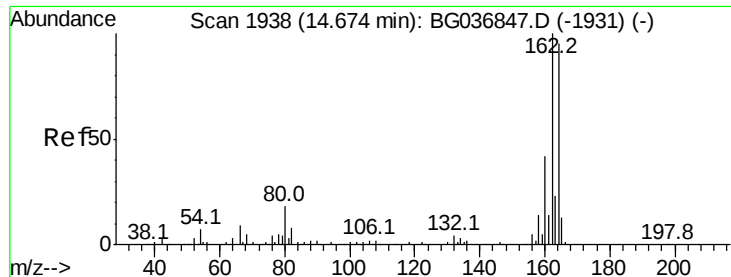
#23
Nitrobenzene-d5
Concen: 106.149 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BG036909.D
Acq: 23 Sep 2018 1:59

Tgt Ion:	82	Resp:	314056
Ion	Ratio	Lower	Upper
82	100		
128	40.4	33.3	49.9
54	56.9	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

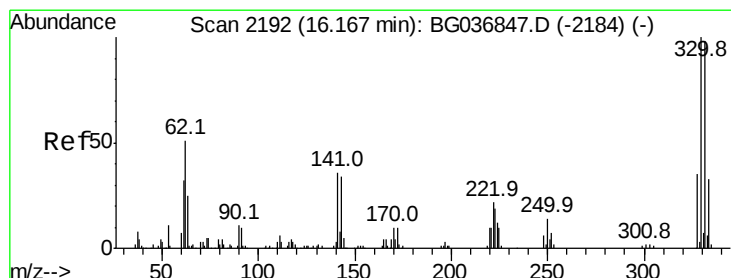
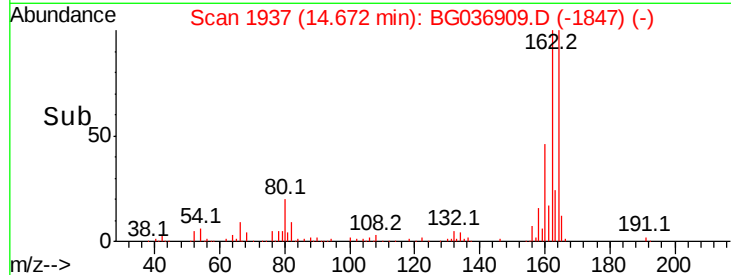
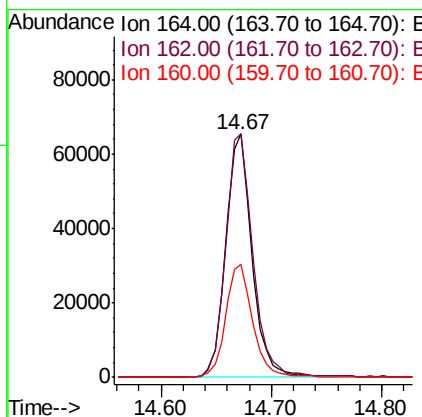
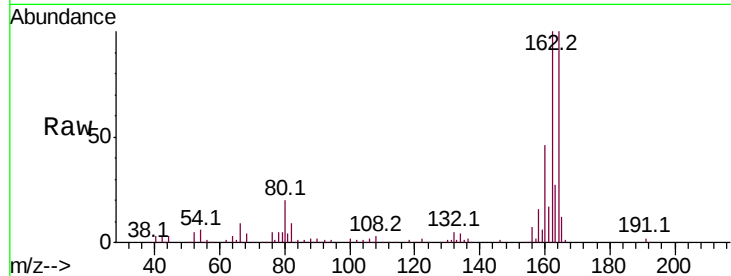




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: BG036909.D
 Acq: 23 Sep 2018 1:59

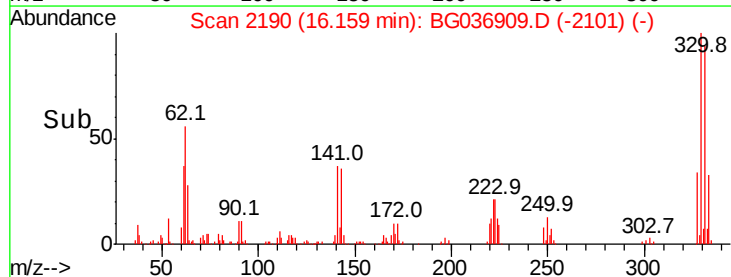
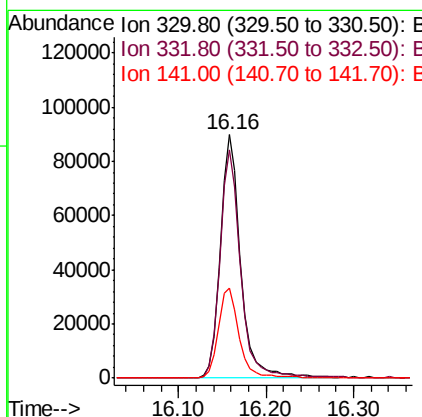
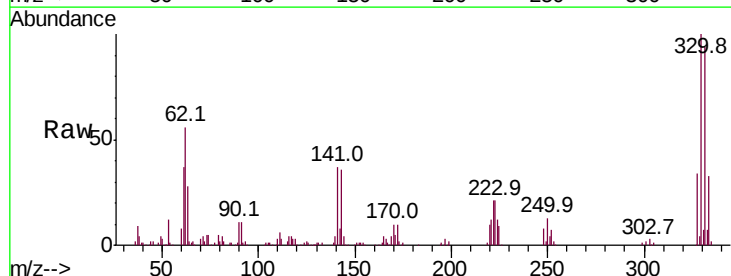
Instrument :
 BNA_G
 ClientSampled :

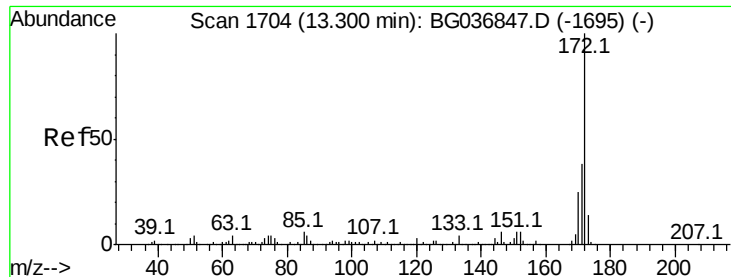
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.7	121.1
160	46.3	35.3	52.9



#41
 2,4,6-Tribromophenol
 Concen: 110.205 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BG036909.D
 Acq: 23 Sep 2018 1:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	75.4	113.2
141	38.2	30.7	46.1

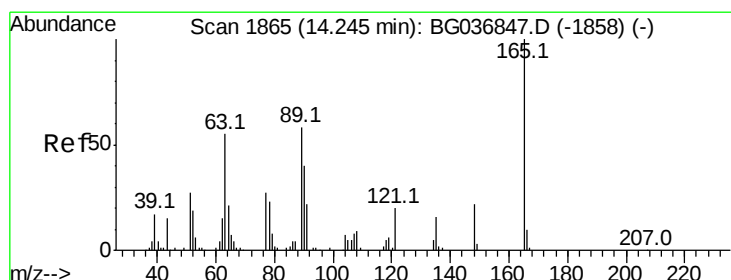
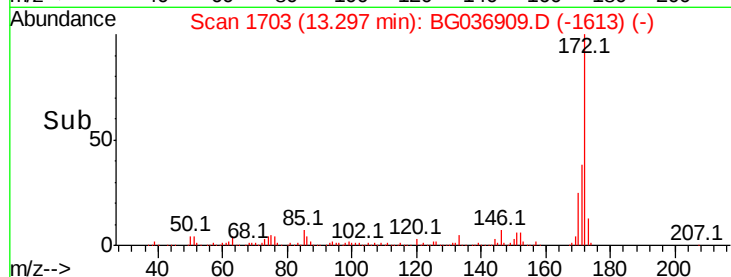
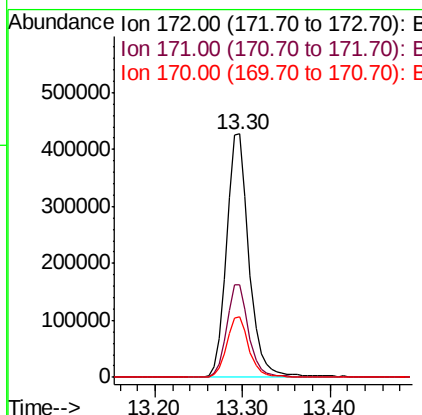
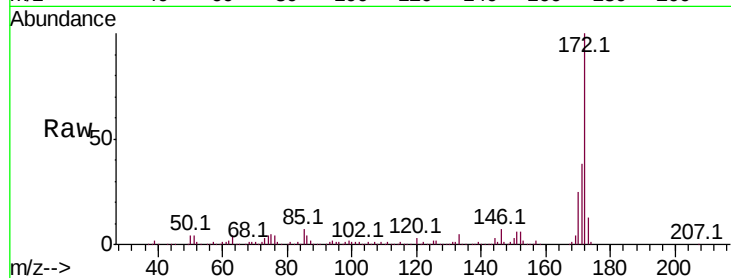




#44
2-Fluorobiphenyl
Concen: 102.733 ng
RT: 13.30 min Scan# 1703
Delta R.T. -0.00 min
Lab File: BG036909.D
Acq: 23 Sep 2018 1:59

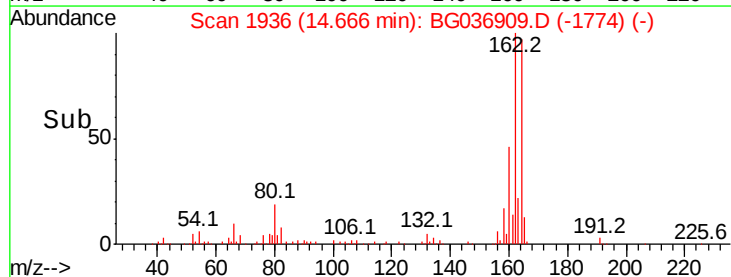
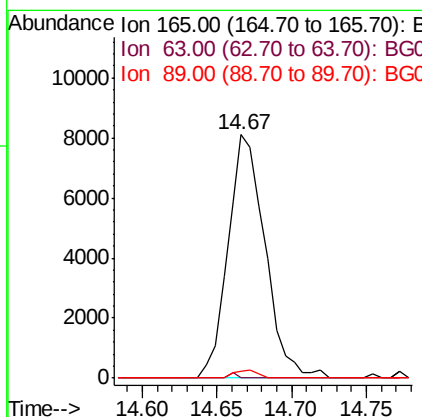
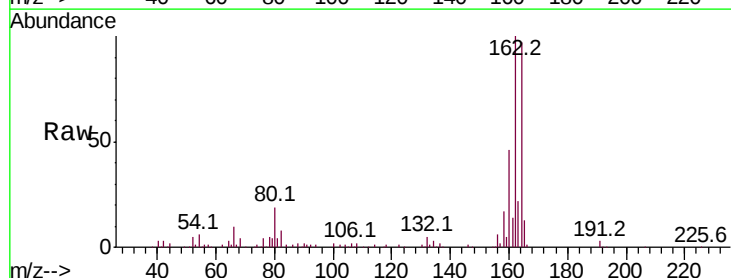
Instrument :
BNA_G
ClientSampleId :

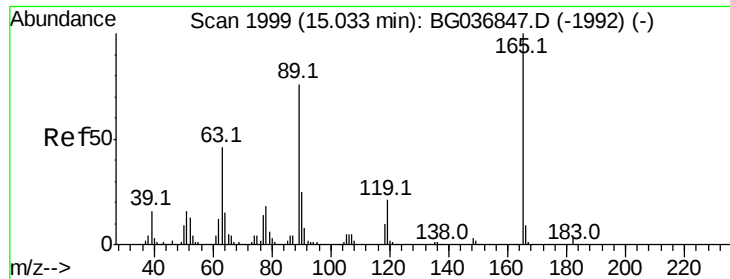
Tot Ion:172 Resp: 756090
Ion Ratio Lower Upper
172 100
171 37.9 31.3 46.9
170 24.8 21.0 31.6



#50
2,6-Dinitrotoluene
Concen: 7.291 ng
RT: 14.67 min Scan# 1936
Delta R.T. 0.42 min
Lab File: BG036909.D
Acq: 23 Sep 2018 1:59

Tgt Ion:165 Resp: 14035
Ion Ratio Lower Upper
165 100
63 0.0 50.1 75.1#
89 2.6 47.8 71.6#

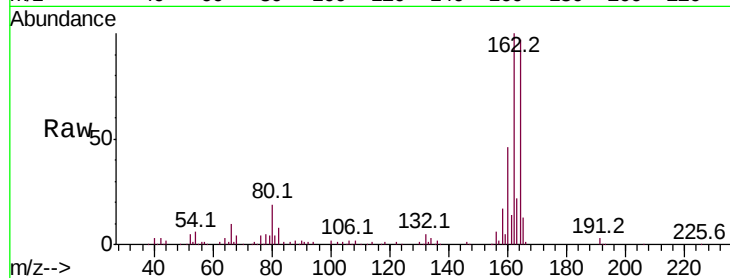




#56
 2,4-Dinitrotoluene
 Concen: 5.225 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG036909.D
 Acq: 23 Sep 2018 1:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.6	63.7	95.5#
182	0.0	2.5	3.7#



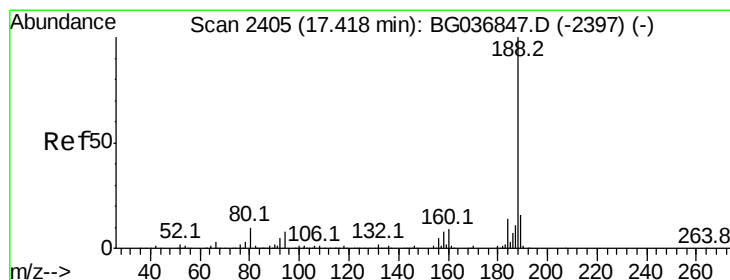
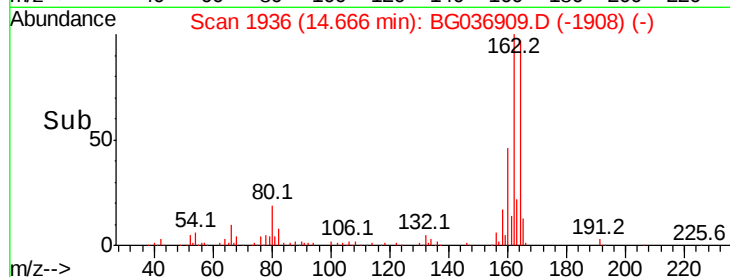
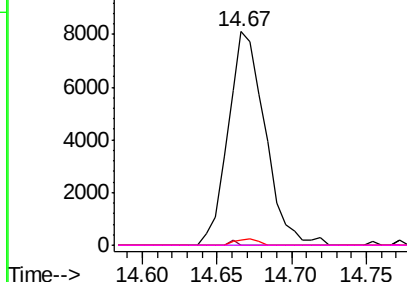
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

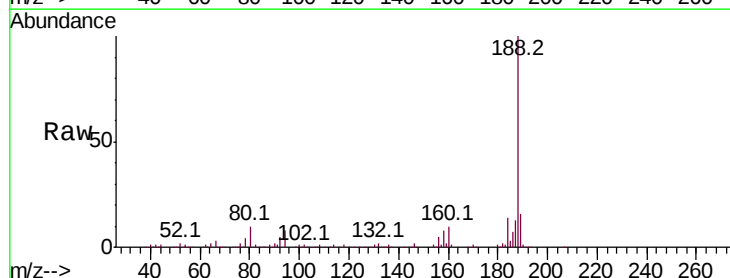
Ion 89.00 (88.70 to 89.70): BGC

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: BG036909.D
 Acq: 23 Sep 2018 1:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	9.5	8.1	12.1

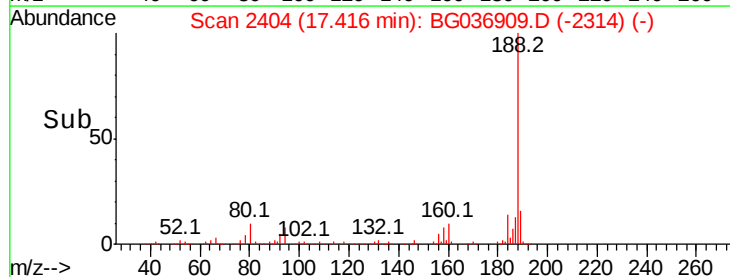
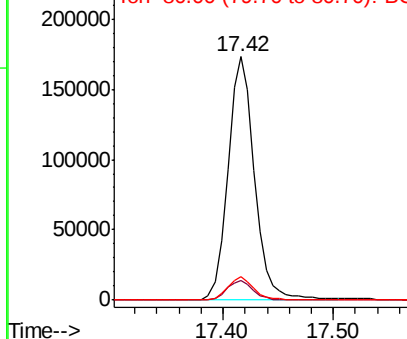


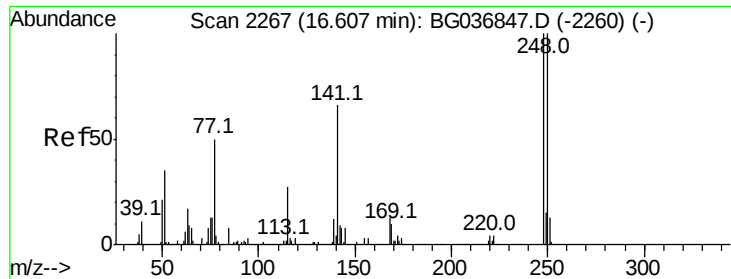
Abundance

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

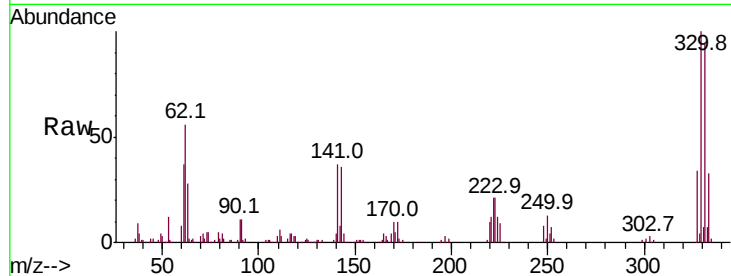




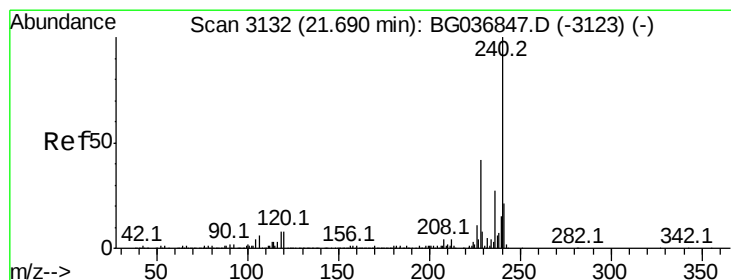
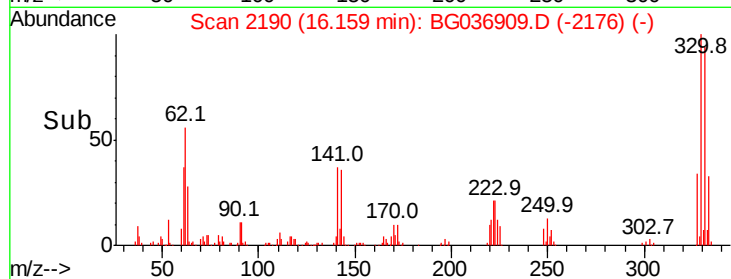
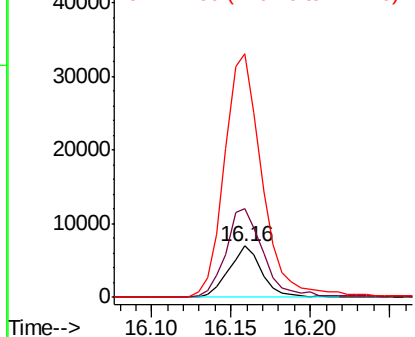
#66
 4-Bromophenyl-phenylether
 Concen: 3.041 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036909.D
 Acq: 23 Sep 2018 1:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 10053
 Ion Ratio Lower Upper
 248 100
 250 174.3 78.1 117.1#
 141 475.2 53.7 80.5#

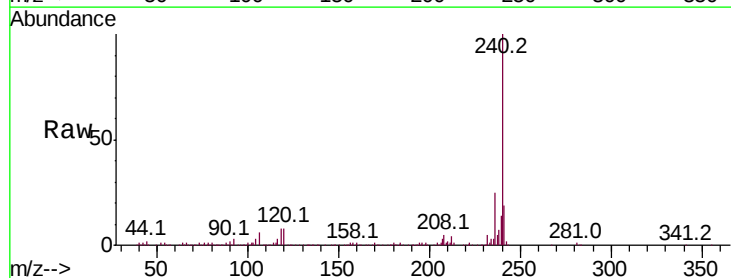


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

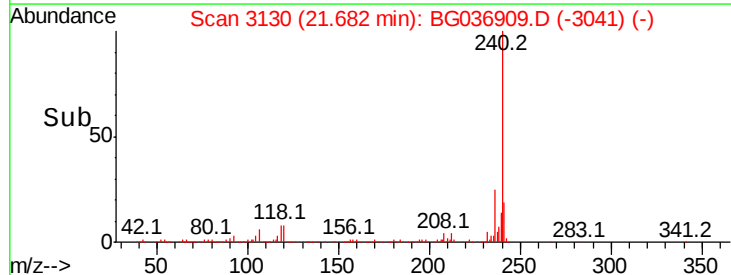
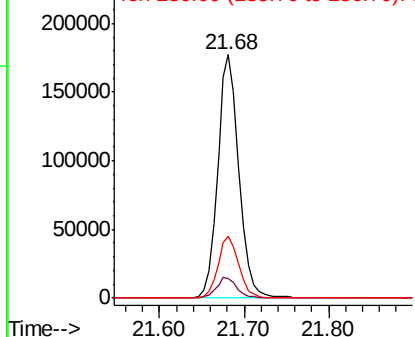


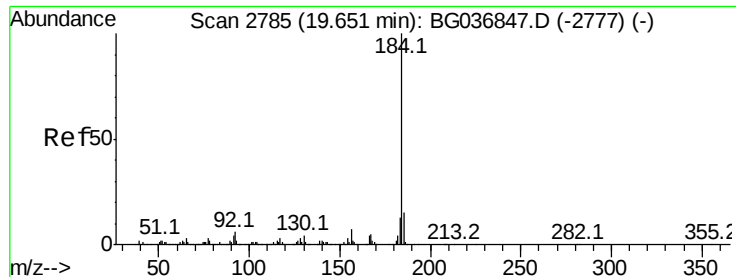
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036909.D
 Acq: 23 Sep 2018 1:59

Tgt Ion:240 Resp: 308714
 Ion Ratio Lower Upper
 240 100
 120 7.8 6.9 10.3
 236 25.2 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: 2.522 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036909.D

Acq: 23 Sep 2018 1:59

Instrument :

BNA_G

ClientSampleId :

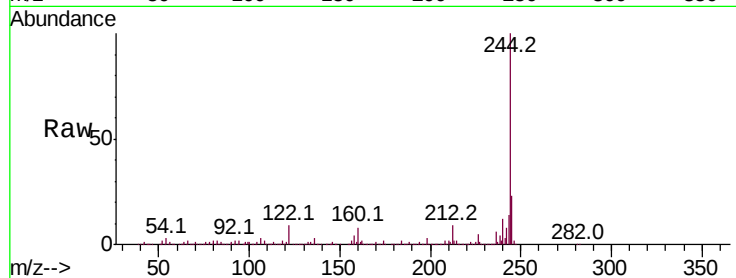
Tot Ion:184 Resp: 23535

Ion Ratio Lower Upper

184 100

185 16.7 12.6 18.8

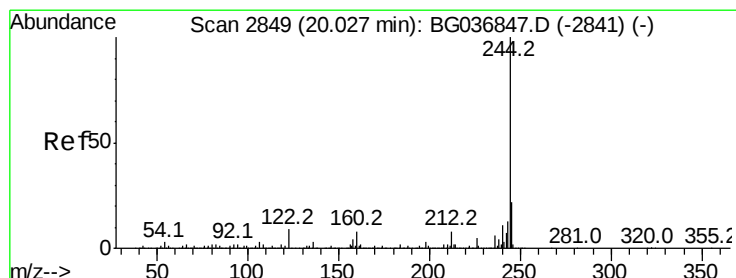
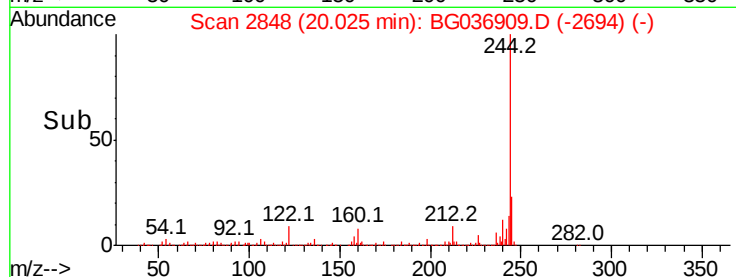
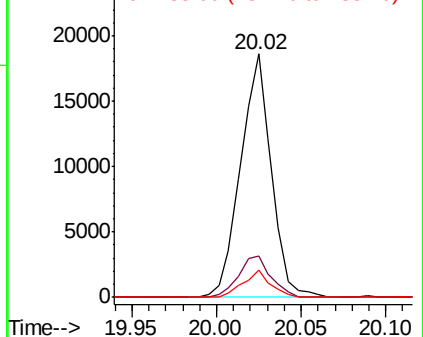
183 11.4 10.9 16.3



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: 112.282 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG036909.D

Acq: 23 Sep 2018 1:59

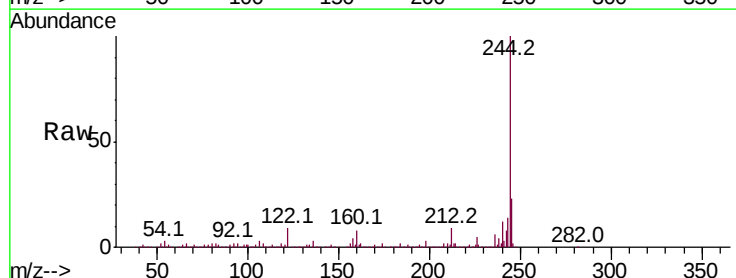
Tgt Ion:244 Resp: 1318244

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

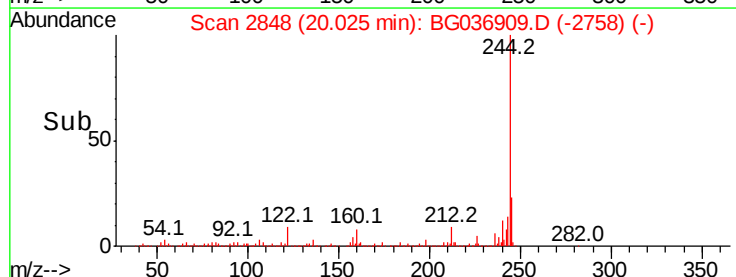
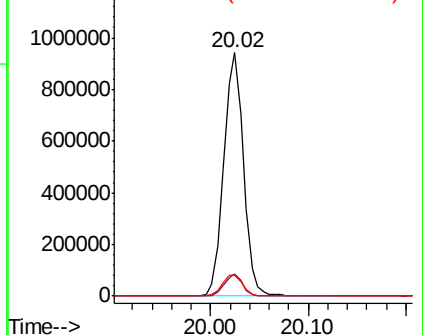
122 8.8 7.1 10.7

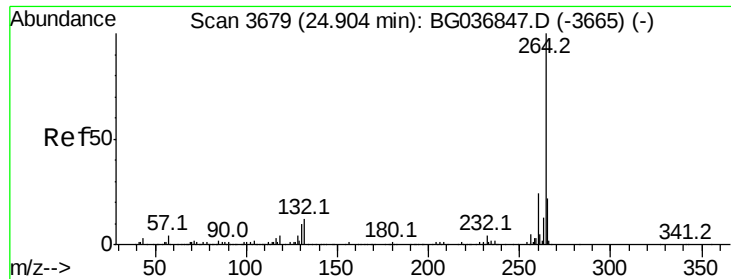


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

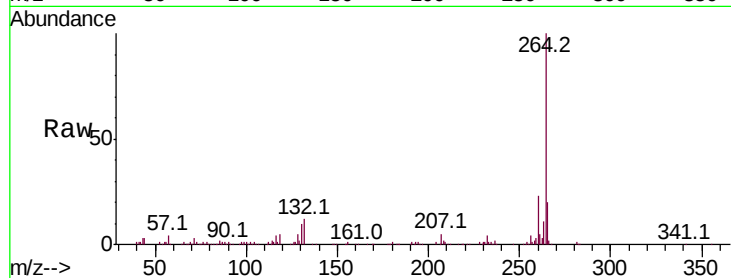




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3676
Delta R.T. -0.01 min
Lab File: BG036909.D
Acq: 23 Sep 2018 1:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.6	29.4
265	19.5	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

