

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092218\
 Data File : BG036913.D
 Acq On : 23 Sep 2018 4:36
 Operator : JU/SJ
 Sample : J5019-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 04:45:59 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

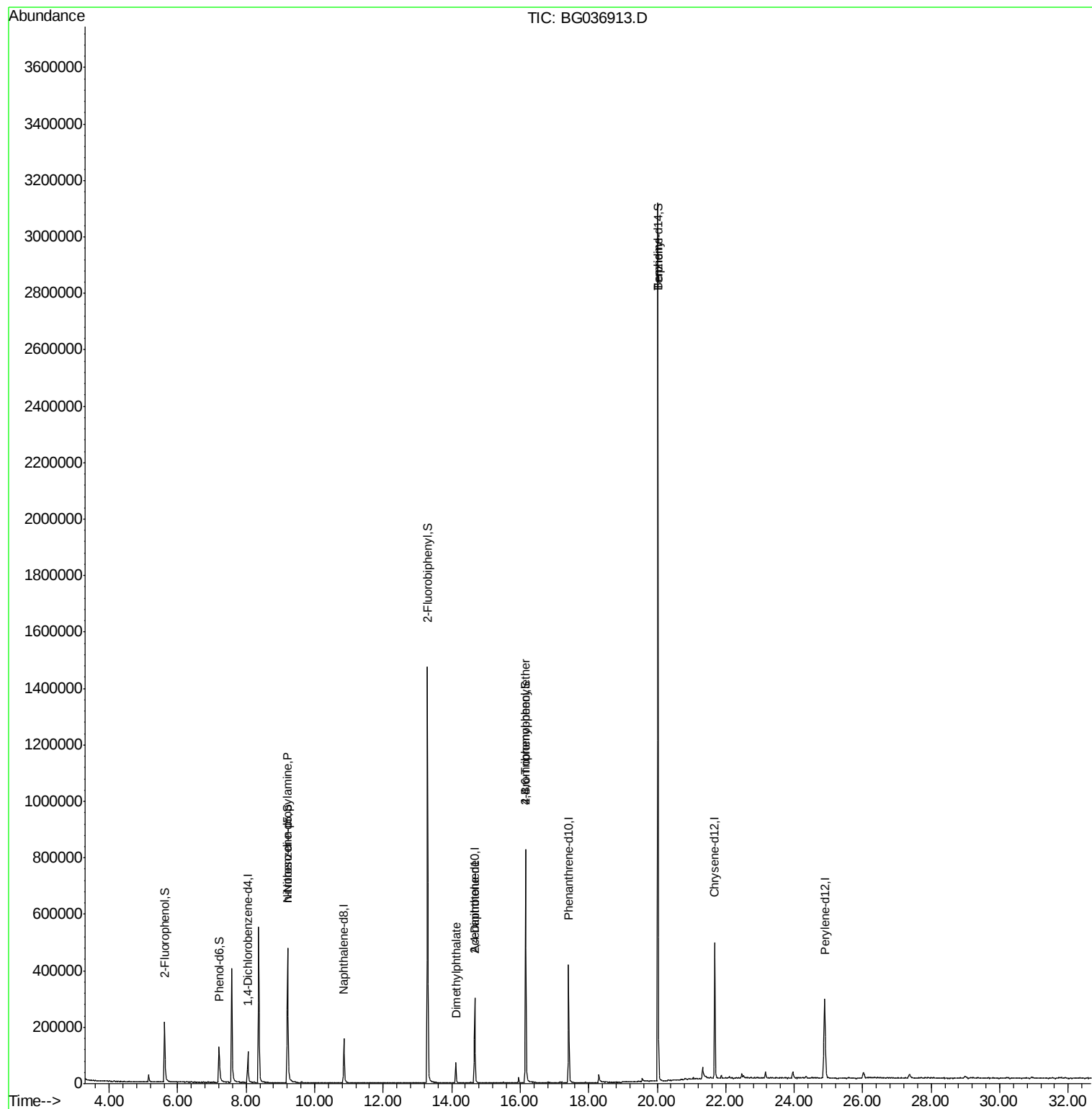
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	37089	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	155572	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	109857	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	289566	20.00	ng	0.00
75) Chrysene-d12	21.68	240	305898	20.00	ng	0.00
86) Perylene-d12	24.89	264	305595	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	104139	53.85	ng	0.00
7) Phenol-d6	7.21	99	94226	31.49	ng	0.00
23) Nitrobenzene-d5	9.21	82	342537	117.91	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	158695	120.74	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	811483	110.02	ng	0.00
78) Terphenyl-d14	20.02	244	1483558	127.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	44786	17.993	ng	Qvalue # 73
49) Dimethylphthalate	14.12	163	55539	6.281	ng	99
56) 2,4-Dinitrotoluene	14.67	165	13478	5.006	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	11420	3.467	ng	# 1
76) Benzidine	20.02	184	26633	2.880	ng	# 94

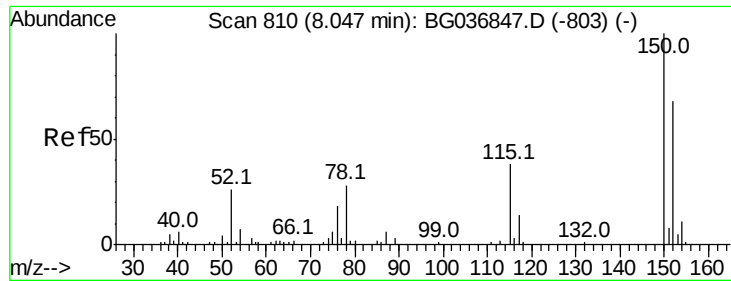
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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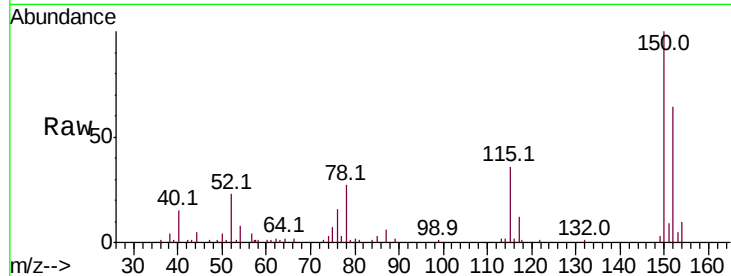


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. 0.00 min
Lab File: BG036913.D
Acq: 23 Sep 2018 4:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	119.5	179.3
115	55.5	44.5	66.7

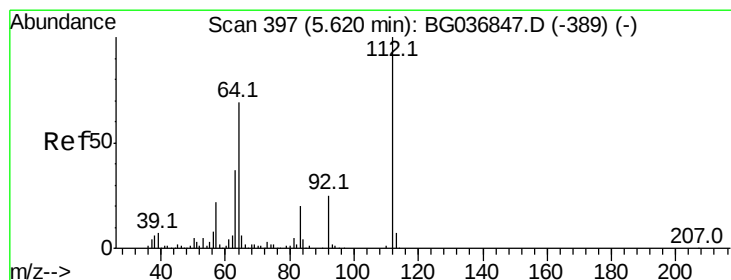
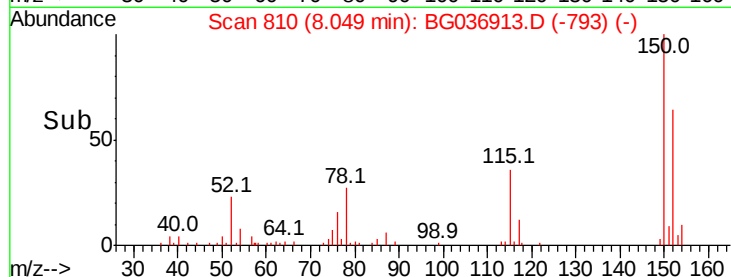
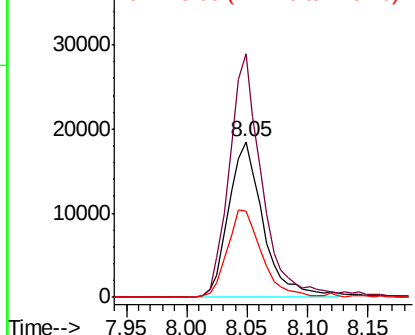


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

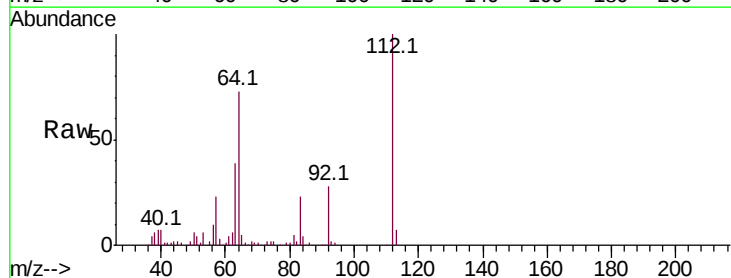
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 53.848 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG036913.D
Acq: 23 Sep 2018 4:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.3	57.2	85.8
63	38.6	30.8	46.2

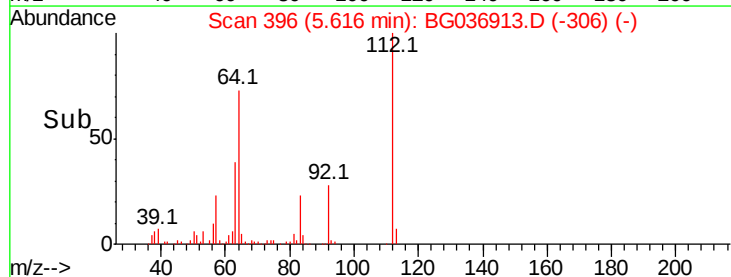
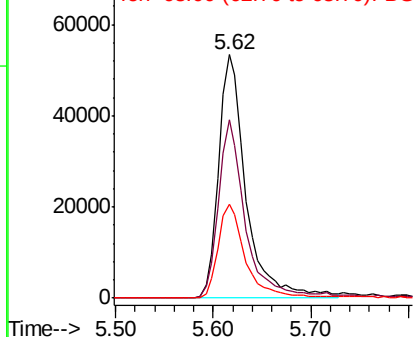


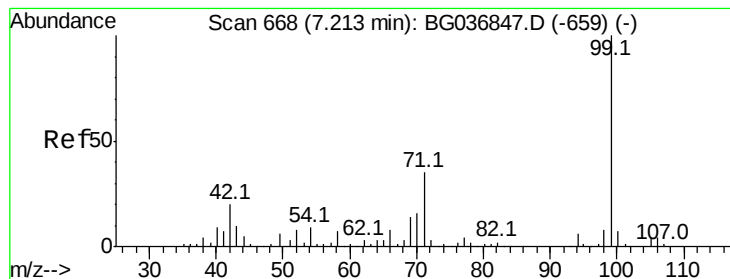
Abundance

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: 31.491 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG036913.D

Acq: 23 Sep 2018 4:36

Instrument :

BNA_G

ClientSampled :

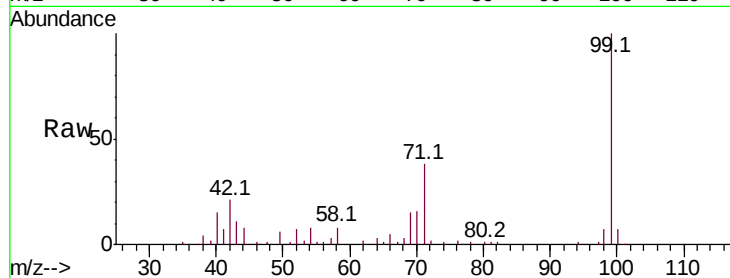
Tot Ion: 99 Resp: 94226

Ion Ratio Lower Upper

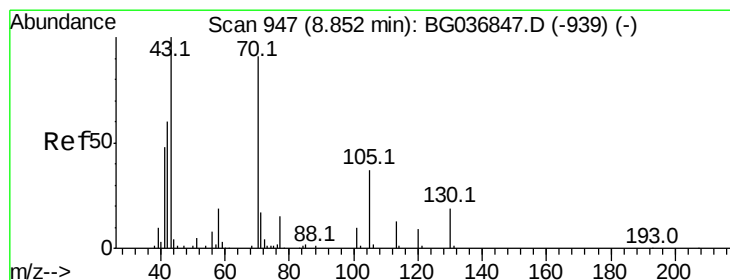
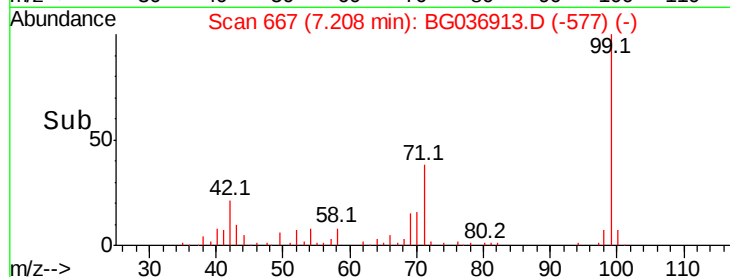
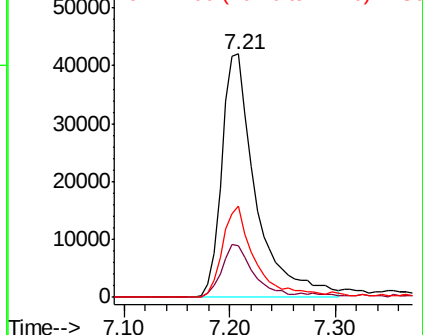
99 100

42 21.4 16.5 24.7

71 37.6 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: 17.993 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036913.D

Acq: 23 Sep 2018 4:36

Tgt Ion: 70 Resp: 44786

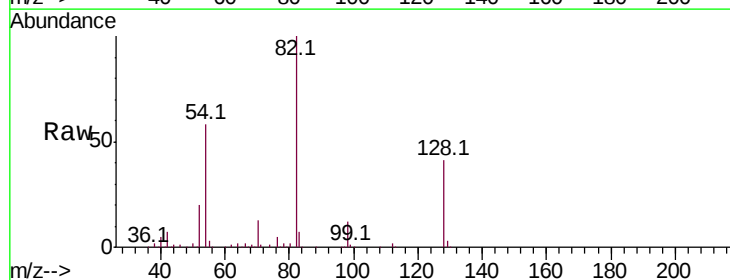
Ion Ratio Lower Upper

70 100

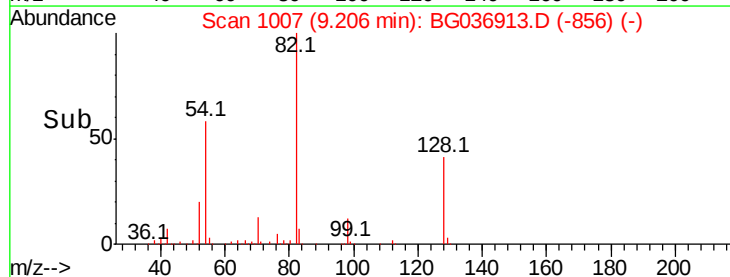
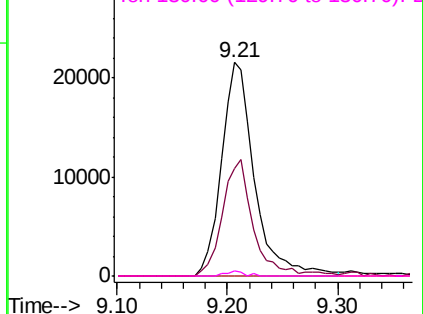
42 50.4 56.2 84.4#

101 0.0 7.8 11.6#

130 2.5 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

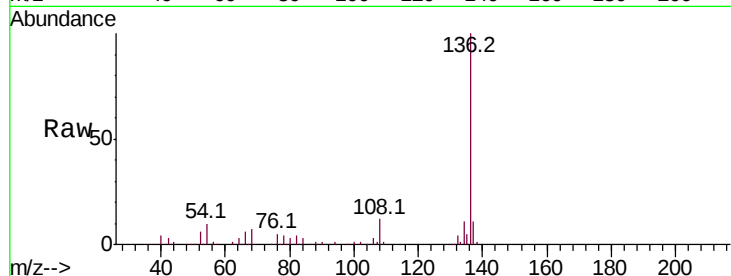




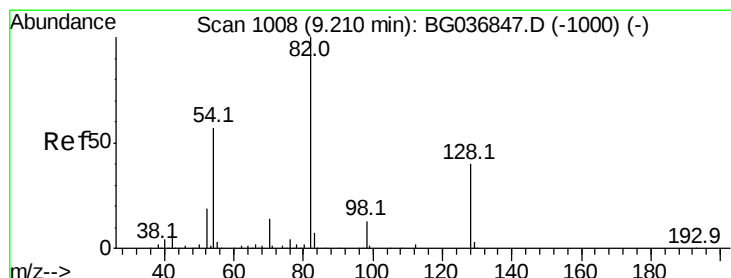
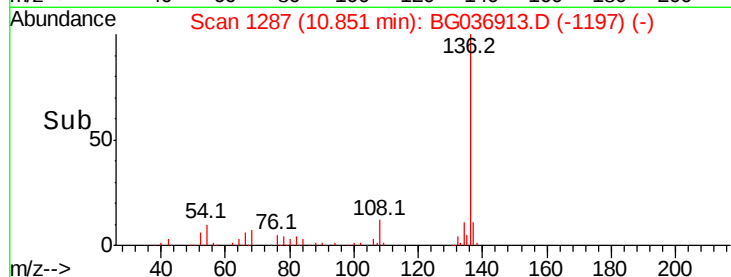
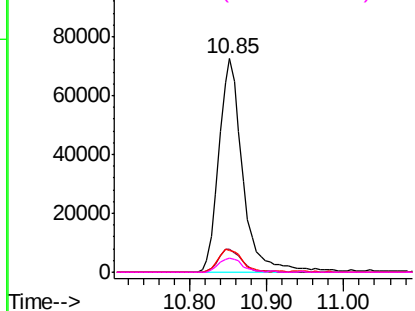
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BG036913.D
Acq: 23 Sep 2018 4:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	155572
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.8 13.2
54	10.1	9.2 13.8
68	6.7	5.8 8.6

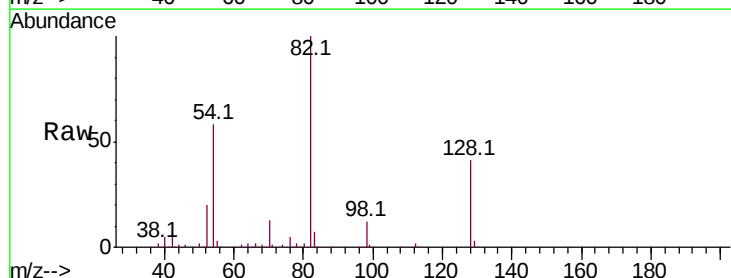


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

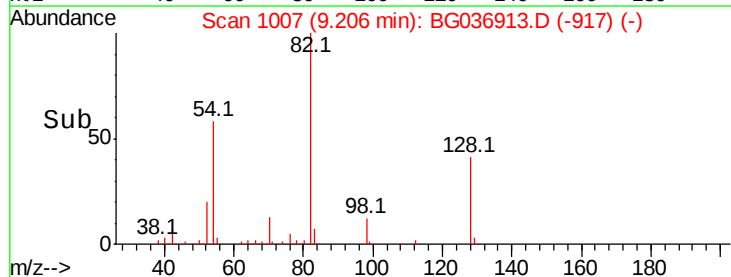
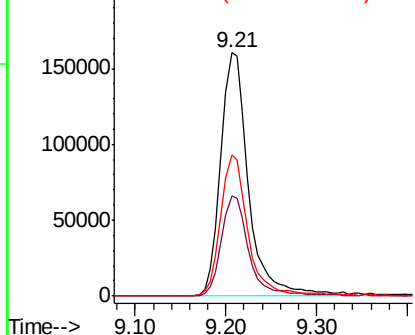


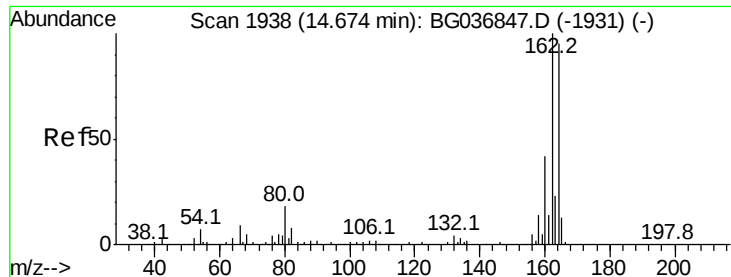
#23
Nitrobenzene-d5
Concen: 117.908 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BG036913.D
Acq: 23 Sep 2018 4:36

Tgt Ion: 82	Resp:	342537
Ion	Ratio	Lower Upper
82	100	
128	41.0	33.3 49.9
54	58.2	45.1 67.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
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: BG036913.D

Acq: 23 Sep 2018 4:36

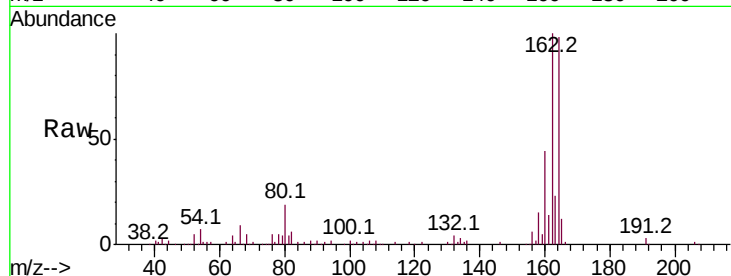
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 109857

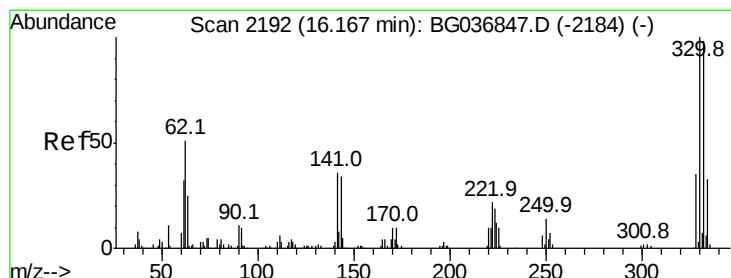
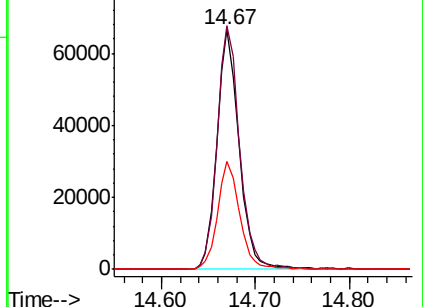
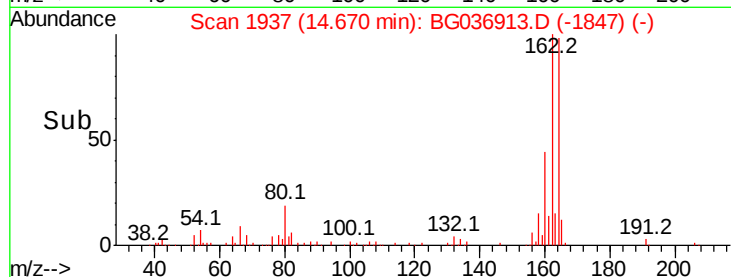
Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.7	121.1
160	44.9	35.3	52.9



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: 120.738 ng

RT: 16.16 min Scan# 2190

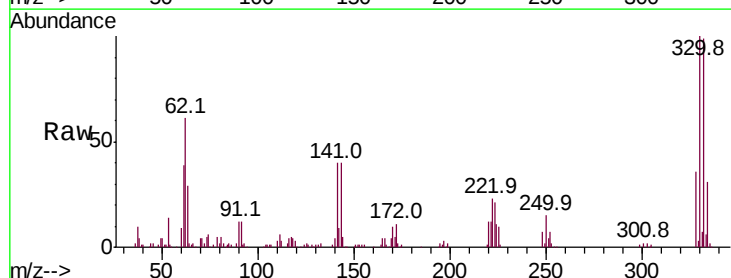
Delta R.T. -0.01 min

Lab File: BG036913.D

Acq: 23 Sep 2018 4:36

Tgt Ion:330 Resp: 158695

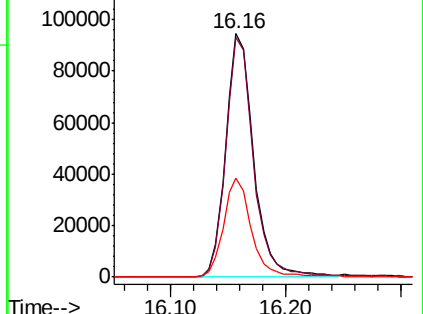
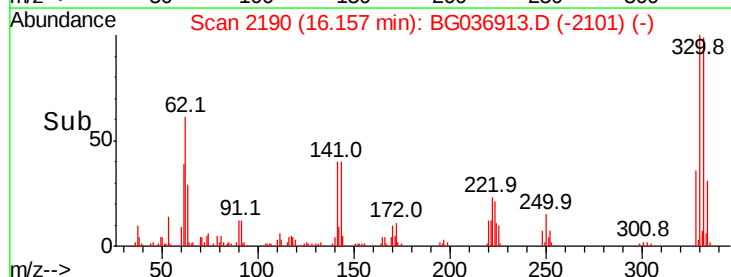
Ion	Ratio	Lower	Upper
330	100		
332	98.6	75.4	113.2
141	39.8	30.7	46.1



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



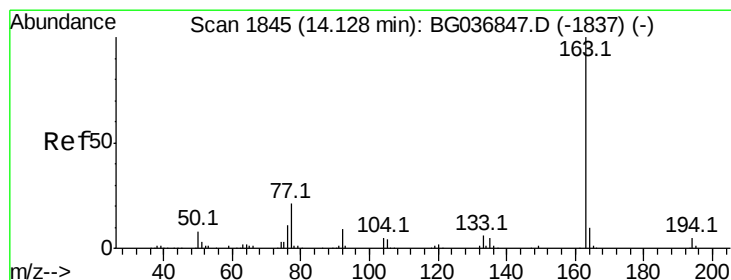
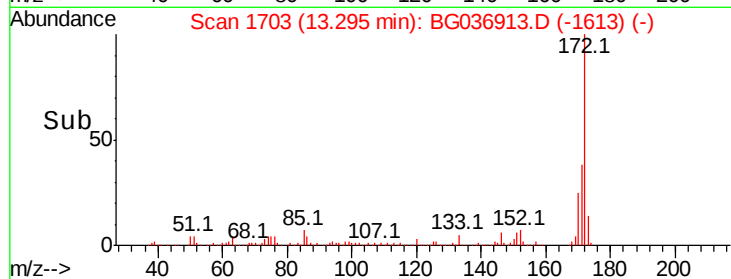
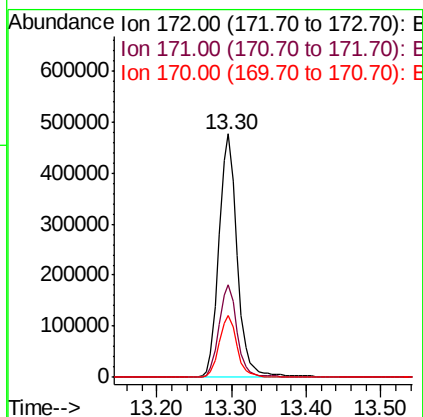
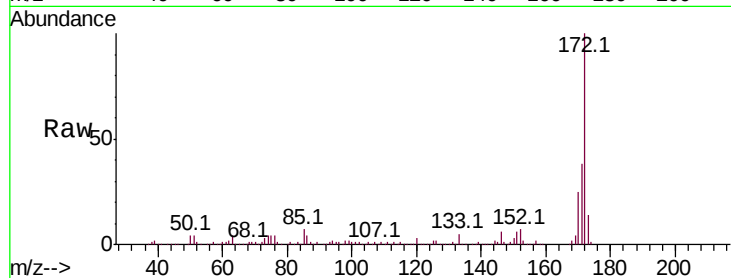


#44
 2-Fluorobiphenyl
 Concen: 110.017 ng
 RT: 13.30 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BG036913.D
 Acq: 23 Sep 2018 4:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 811483

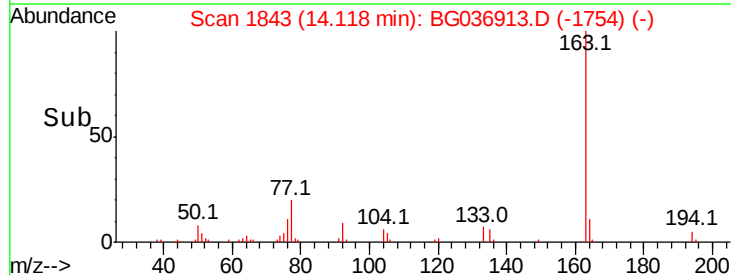
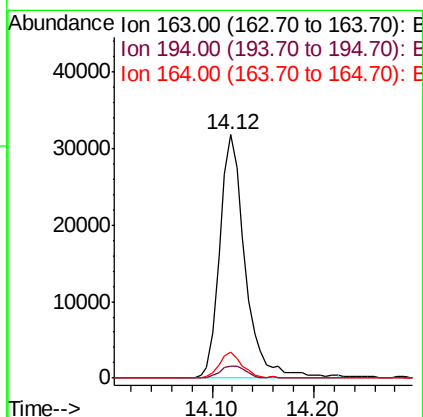
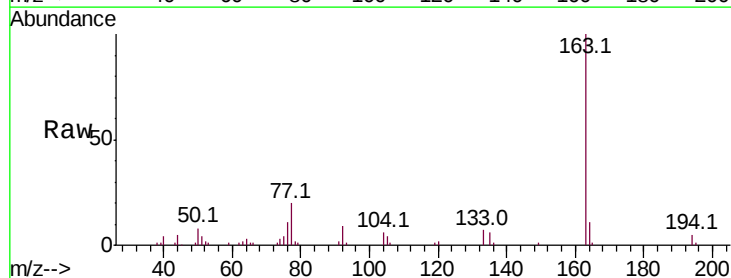
Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.3	46.9
170	25.4	21.0	31.6

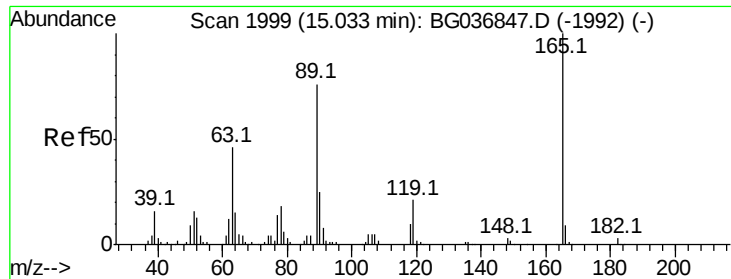


#49
 Dimethylphthalate
 Concen: 6.281 ng
 RT: 14.12 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BG036913.D
 Acq: 23 Sep 2018 4:36

Tgt Ion:163 Resp: 55539

Ion	Ratio	Lower	Upper
163	100		
194	4.8	4.0	6.0
164	10.6	8.1	12.1

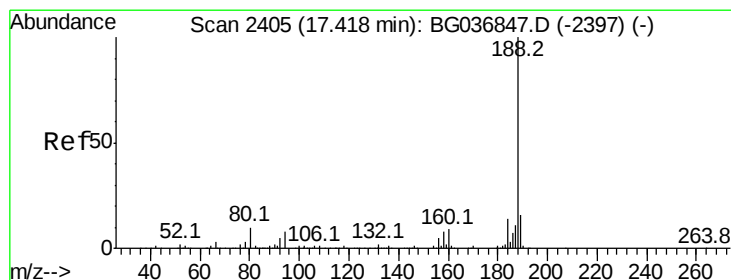
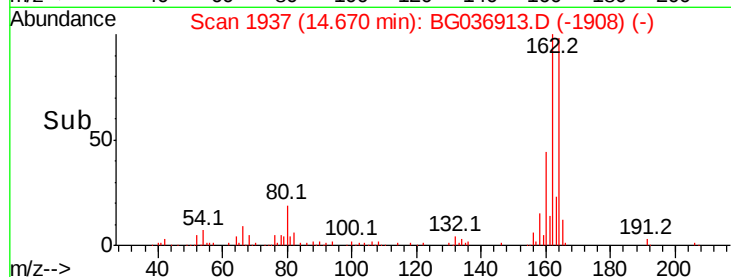
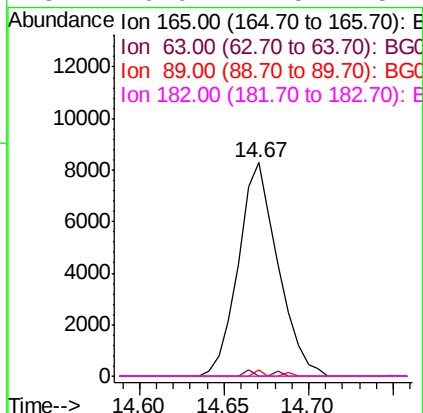
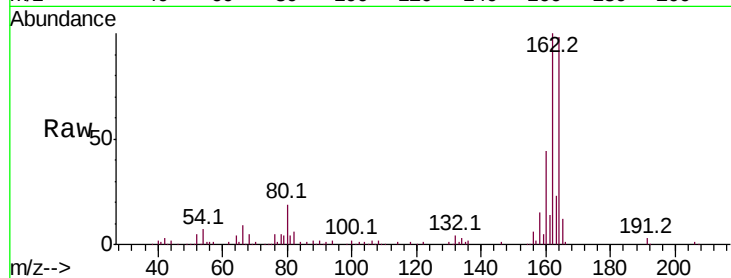




#56
 2,4-Dinitrotoluene
 Concen: 5.006 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036913.D
 Acq: 23 Sep 2018 4:36

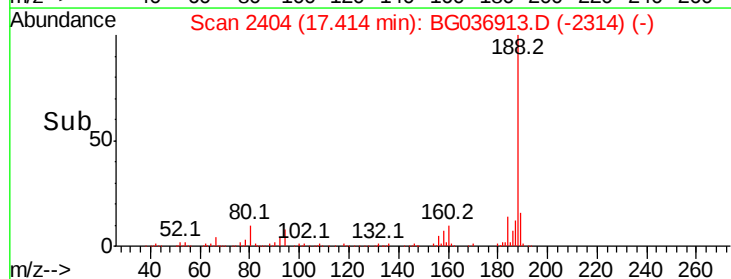
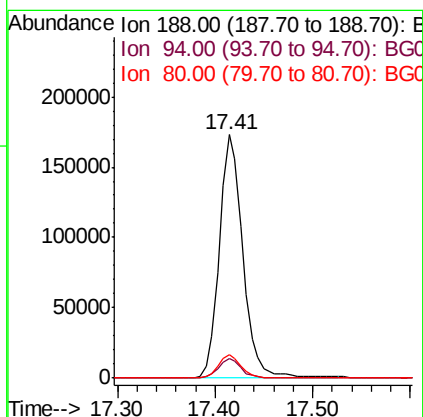
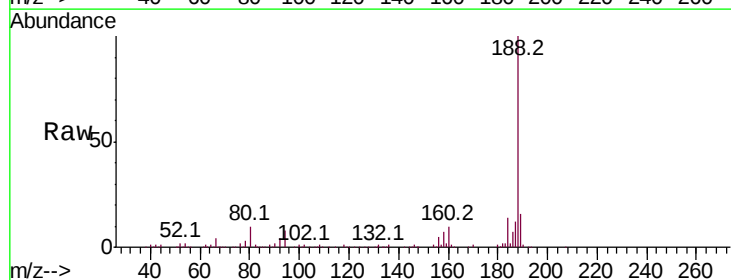
Instrument :
 BNA_G
 ClientSampleId :

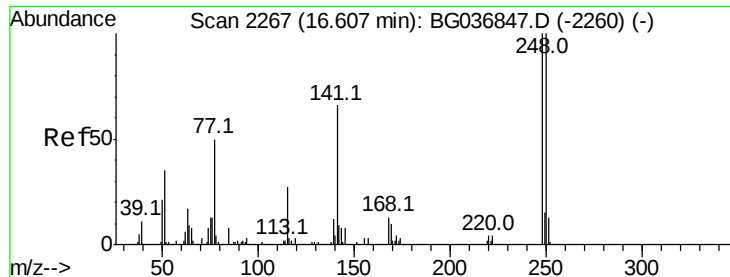
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	3.3	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.00 min
 Lab File: BG036913.D
 Acq: 23 Sep 2018 4:36

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

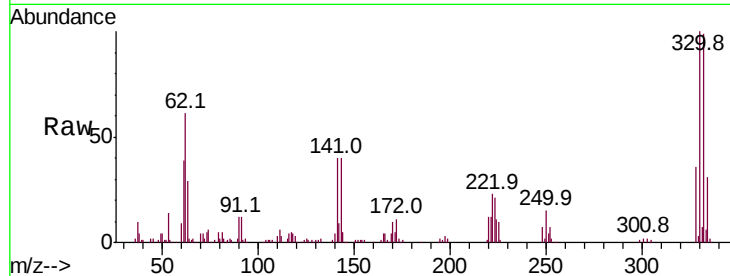




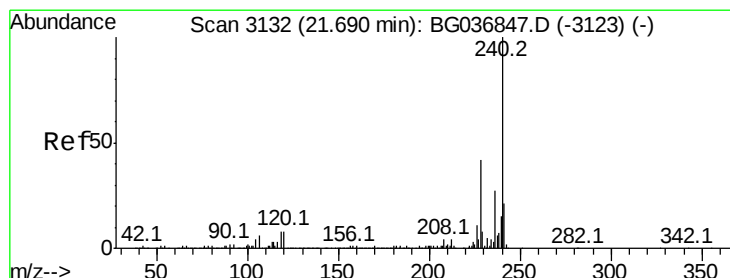
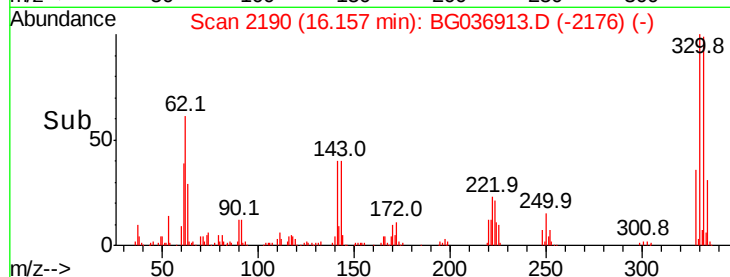
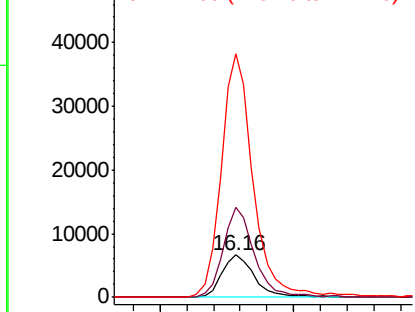
#66
4-Bromophenyl-phenylether
Concen: 3.467 ng
RT: 16.16 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG036913.D
Acq: 23 Sep 2018 4:36

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 11420
Ion Ratio Lower Upper
248 100
250 212.3 78.1 117.1#
141 572.5 53.7 80.5#

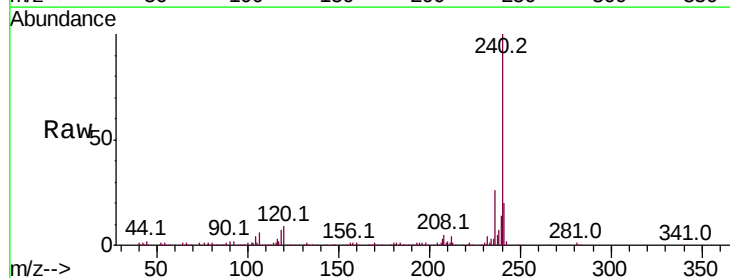


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

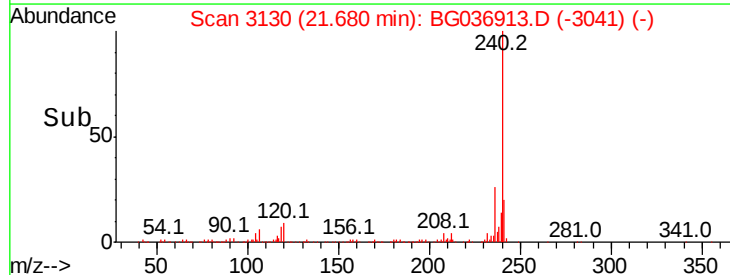
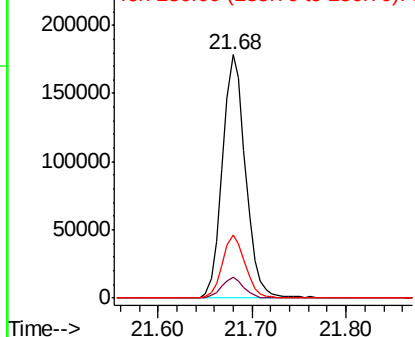


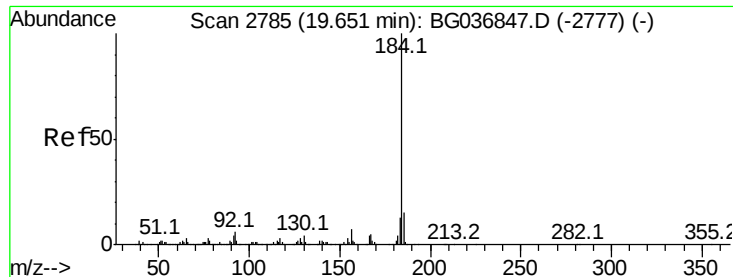
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BG036913.D
Acq: 23 Sep 2018 4:36

Tgt Ion:240 Resp: 305898
Ion Ratio Lower Upper
240 100
120 8.7 6.9 10.3
236 26.0 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: 2.880 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036913.D

Acq: 23 Sep 2018 4:36

Instrument :

BNA_G

ClientSampled :

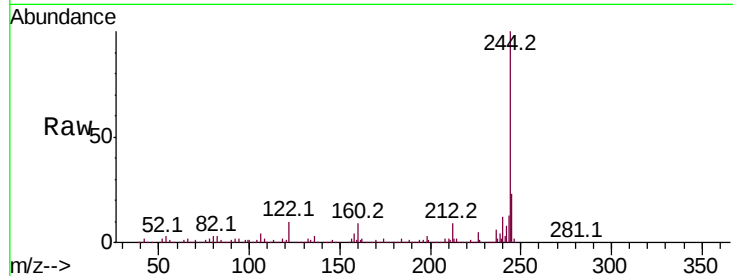
Tot Ion:184 Resp: 26633

Ion Ratio Lower Upper

184 100

185 16.2 12.6 18.8

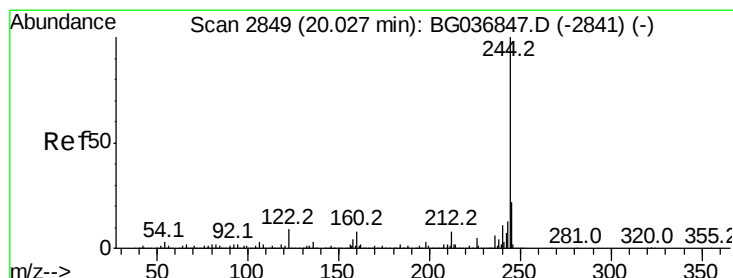
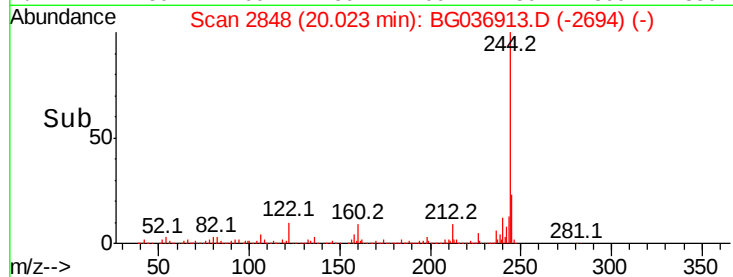
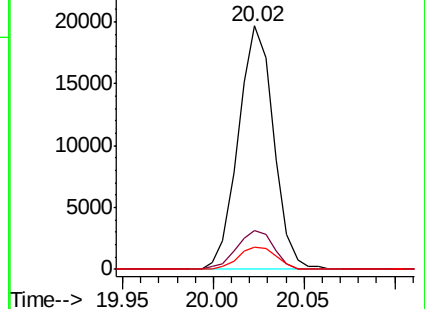
183 9.2 10.9 16.3#



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: 127.526 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG036913.D

Acq: 23 Sep 2018 4:36

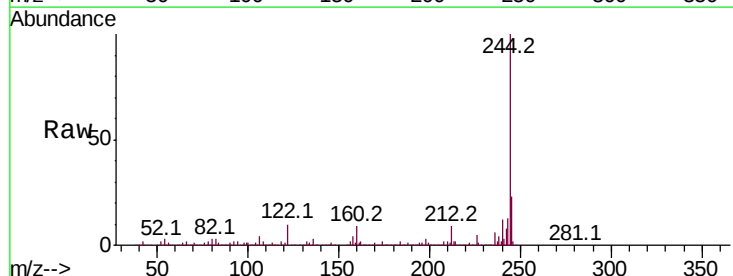
Tgt Ion:244 Resp: 1483558

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

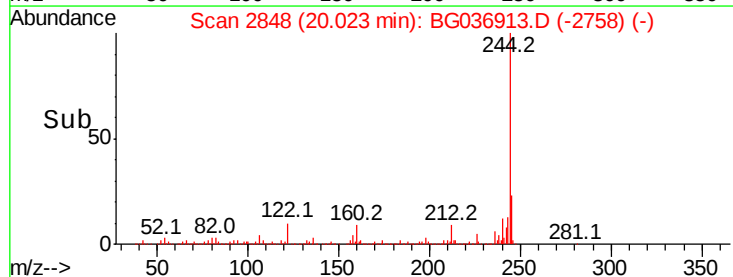
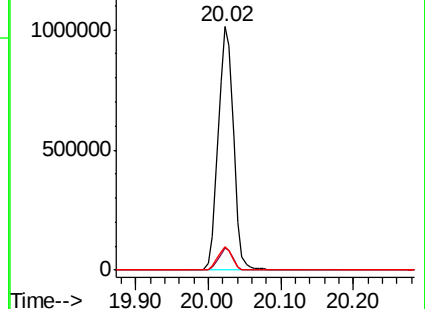
122 9.9 7.1 10.7

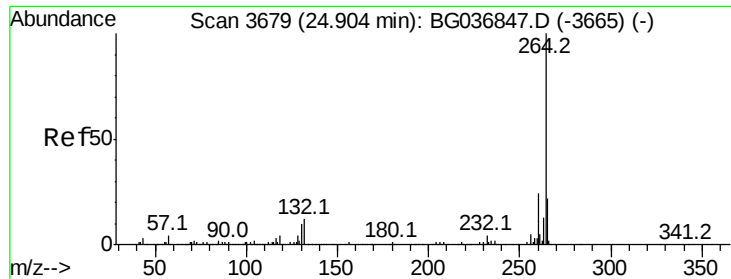


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.02 min
 Lab File: BG036913.D
 Acq: 23 Sep 2018 4:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.6	29.4
265	21.4	17.4	26.0

