

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\
 Data File : BG036986.D
 Acq On : 26 Sep 2018 17:53
 Operator : JU/SJ
 Sample : J5069-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 27 08:06:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

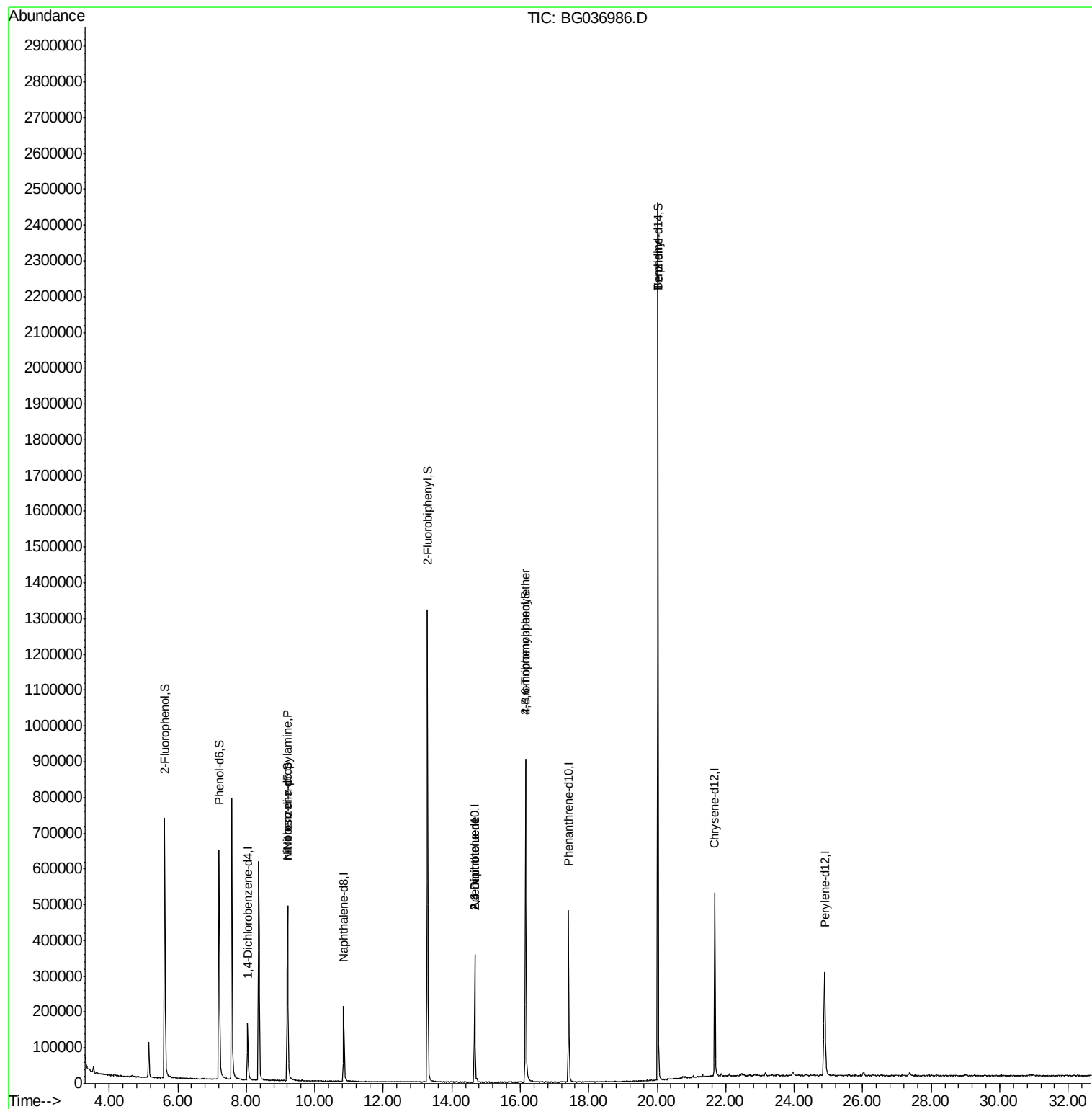
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	51284	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	210671	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	132202	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	327703	20.00	ng	0.00
75) Chrysene-d12	21.68	240	336641	20.00	ng	-0.01
86) Perylene-d12	24.89	264	330921	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	330453	123.57	ng	0.00
7) Phenol-d6	7.21	99	416727	100.72	ng	0.00
23) Nitrobenzene-d5	9.20	82	350310	89.05	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	186727	118.05	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	738106	83.16	ng	-0.01
78) Terphenyl-d14	20.02	244	1192451	93.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	47403	13.773	ng	# 72
50) 2,6-Dinitrotoluene	14.66	165	17084	7.358	ng	# 23
56) 2,4-Dinitrotoluene	14.66	165	17084	5.273	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	13139	3.525	ng	# 1
76) Benzidine	20.02	184	21231	2.086	ng	# 94

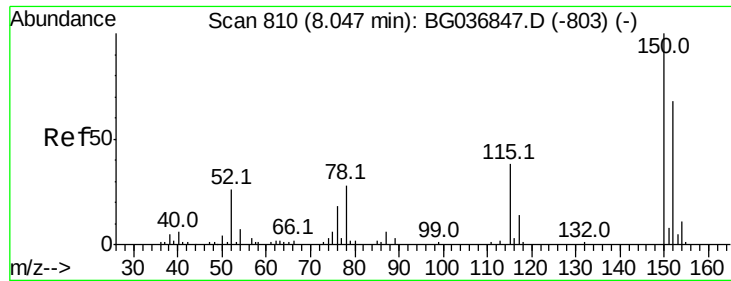
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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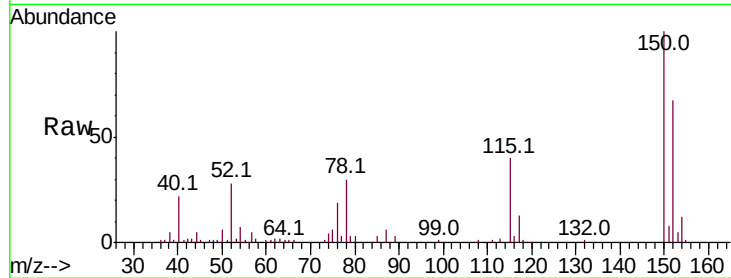


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.01 min
Lab File: BG036986.D
Acq: 26 Sep 2018 17:53

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.4	119.5	179.3
115	60.0	44.5	66.7

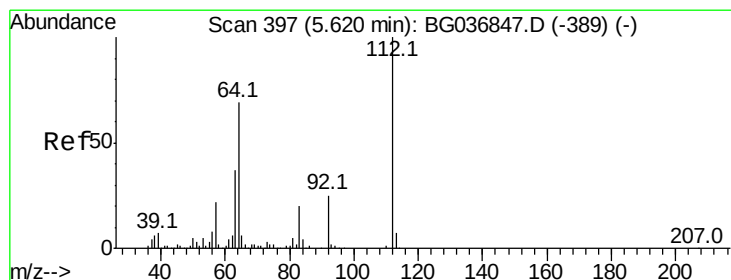
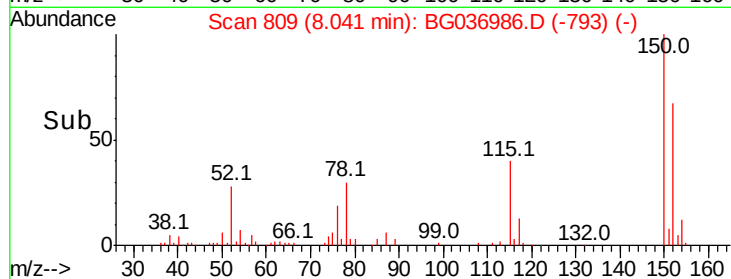
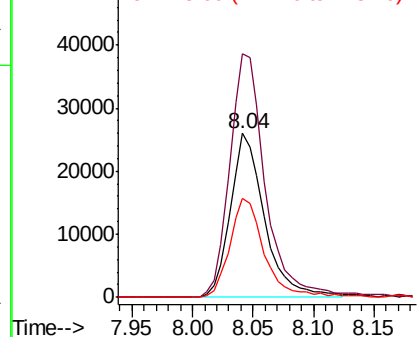


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

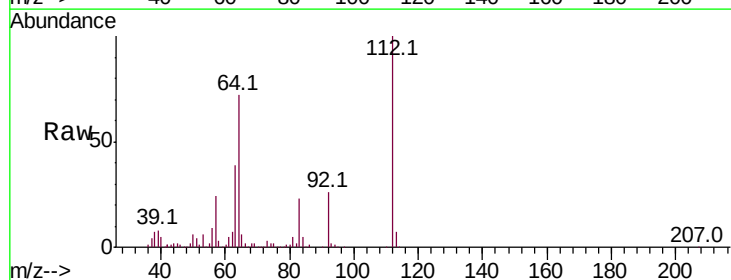
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.574 ng
RT: 5.62 min Scan# 397
Delta R.T. 0.00 min
Lab File: BG036986.D
Acq: 26 Sep 2018 17:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.4	57.2	85.8
63	39.4	30.8	46.2

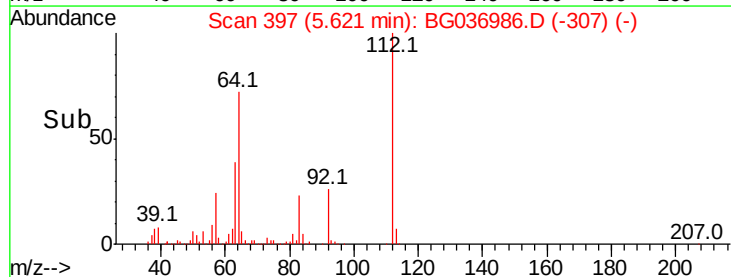
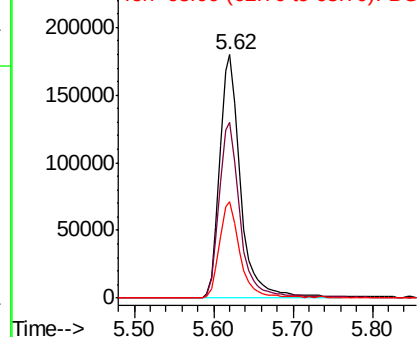


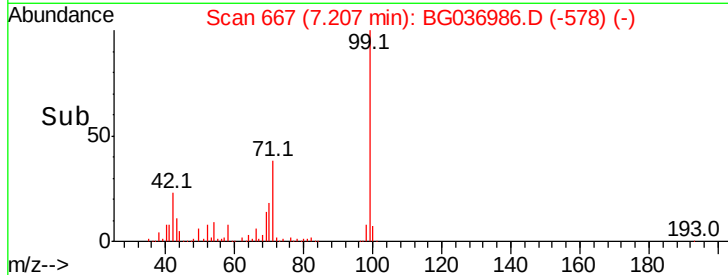
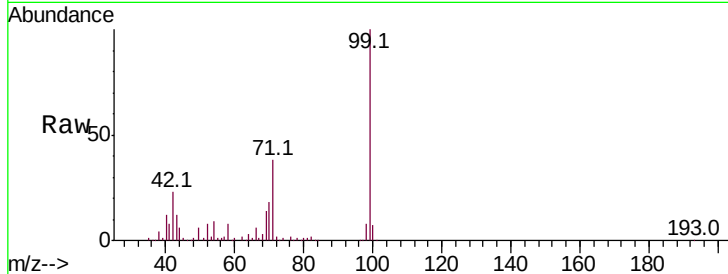
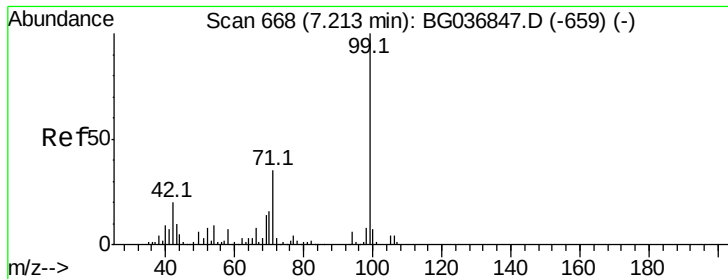
Abundance

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: 100.724 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036986.D

Acq: 26 Sep 2018 17:53

Instrument :

BNA_G

ClientSampleId :

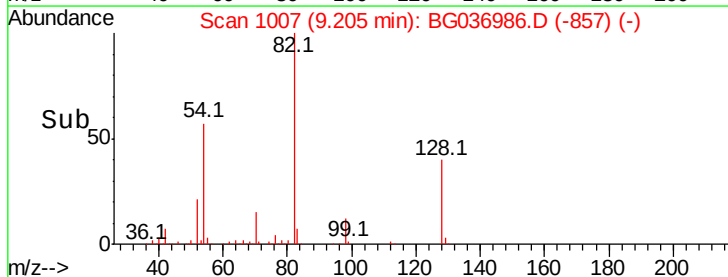
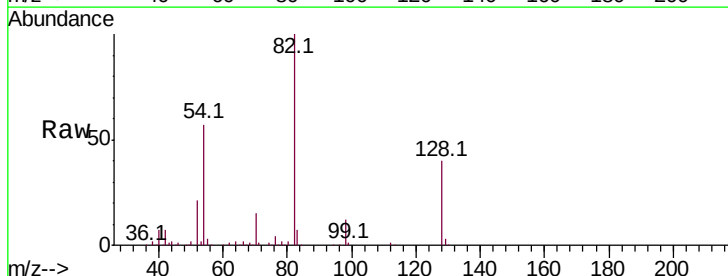
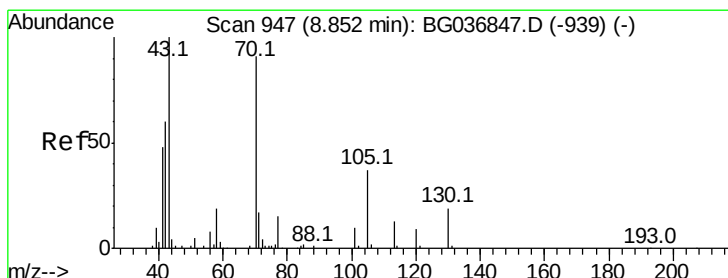
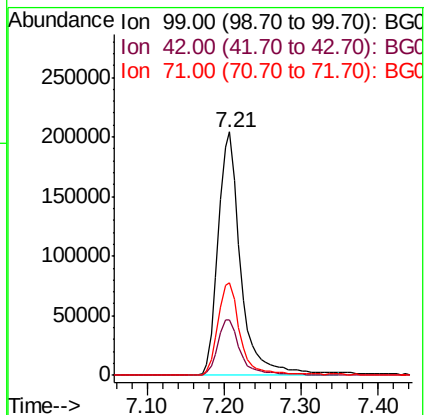
Tot Ion: 99 Resp: 416727

Ion Ratio Lower Upper

99 100

42 23.0 16.5 24.7

71 38.0 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.773 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036986.D

Acq: 26 Sep 2018 17:53

Tgt Ion: 70 Resp: 47403

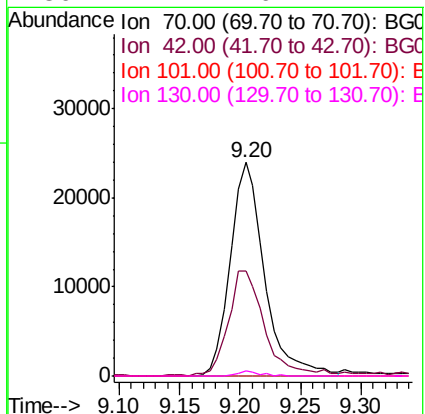
Ion Ratio Lower Upper

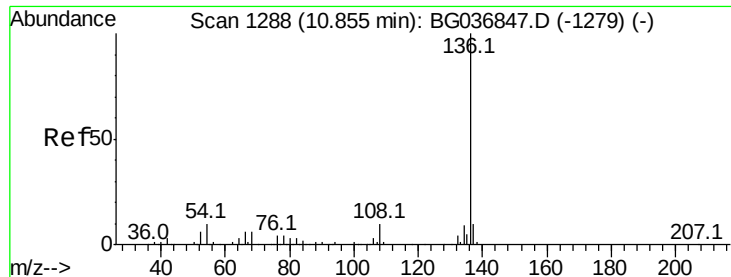
70 100

42 49.1 56.2 84.4#

101 0.0 7.8 11.6#

130 2.2 16.2 24.2#

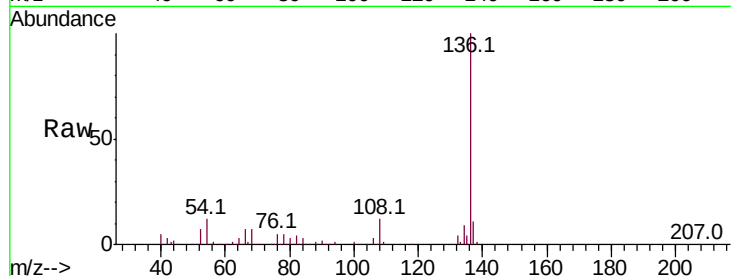




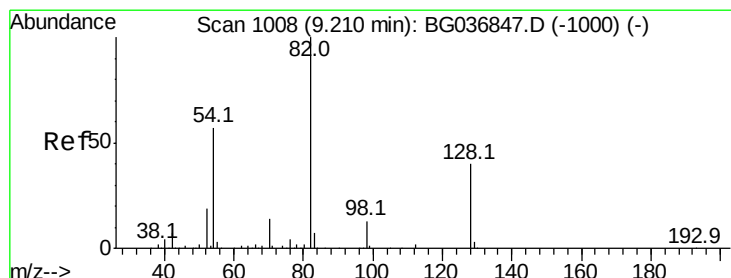
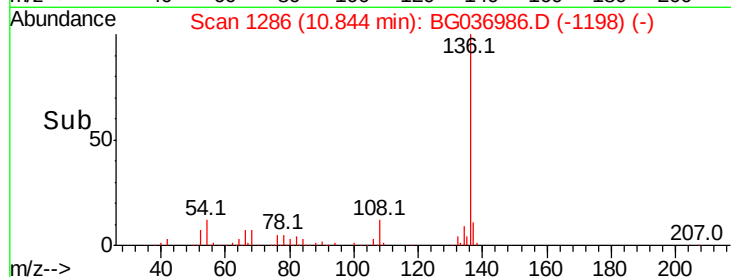
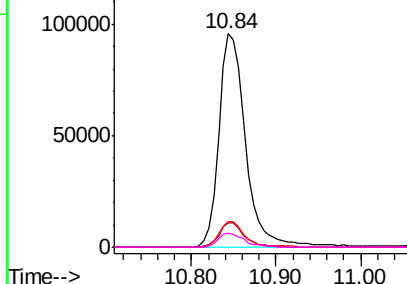
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG036986.D
Acq: 26 Sep 2018 17:53

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	210671
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.8 13.2
54	11.8	9.2 13.8
68	6.5	5.8 8.6

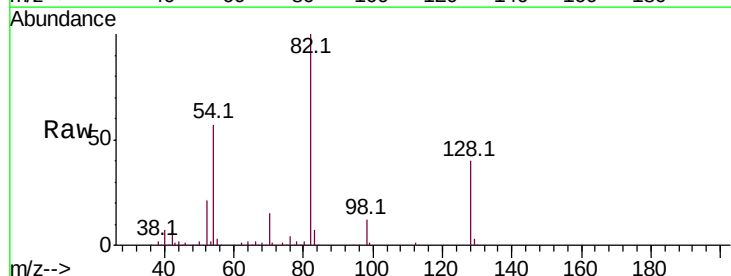


Abundance Ion 136.00 (135.70 to 136.70): E
150000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

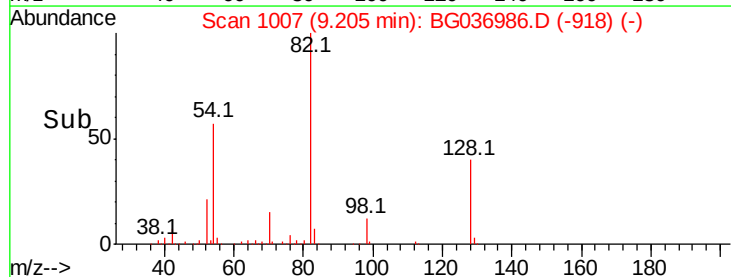
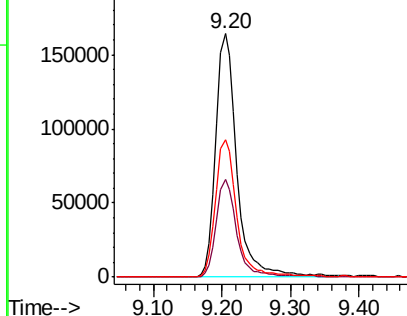


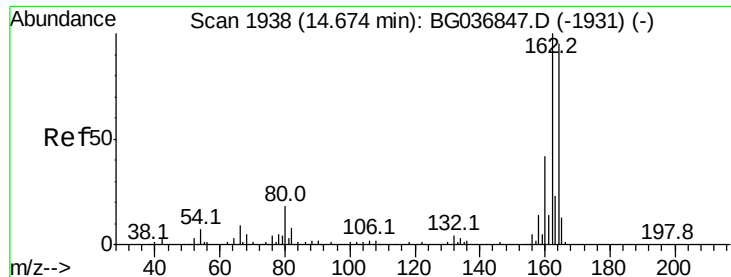
#23
Nitrobenzene-d5
Concen: 89.046 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036986.D
Acq: 26 Sep 2018 17:53

Tgt Ion: 82	Resp:	350310
Ion Ratio	Lower	Upper
82	100	
128	40.0	33.3 49.9
54	56.6	45.1 67.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
200000
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. -0.01 min

Lab File: BG036986.D

Acq: 26 Sep 2018 17:53

Instrument :

BNA_G

ClientSampleId :

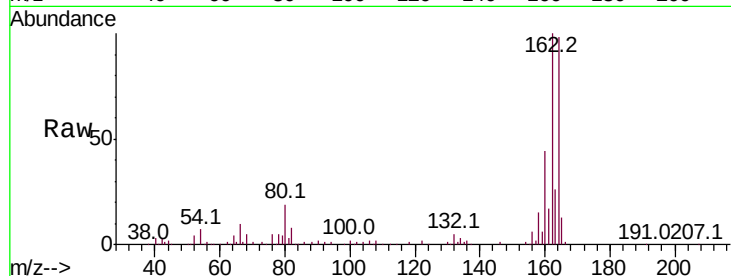
Tot Ion:164 Resp: 132202

Ion Ratio Lower Upper

164 100

162 102.6 80.7 121.1

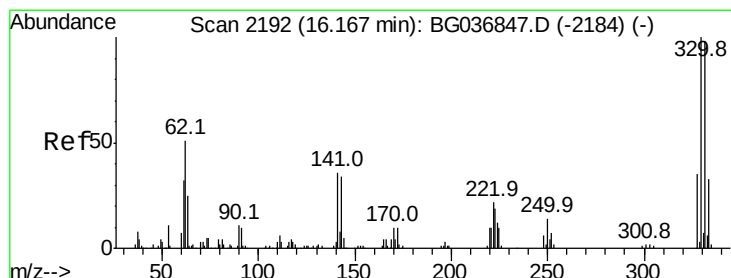
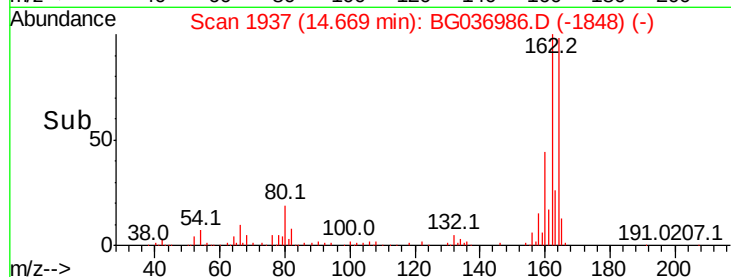
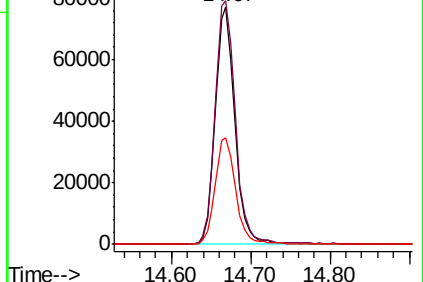
160 45.1 35.3 52.9



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: 118.053 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036986.D

Acq: 26 Sep 2018 17:53

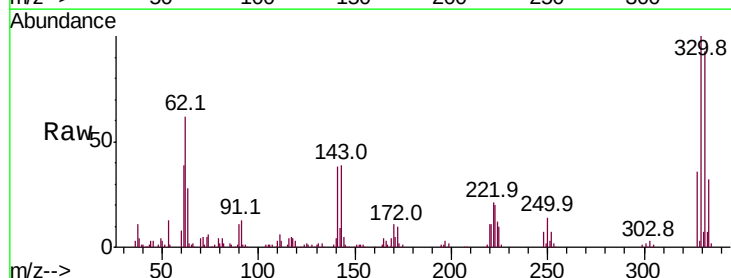
Tgt Ion:330 Resp: 186727

Ion Ratio Lower Upper

330 100

332 95.2 75.4 113.2

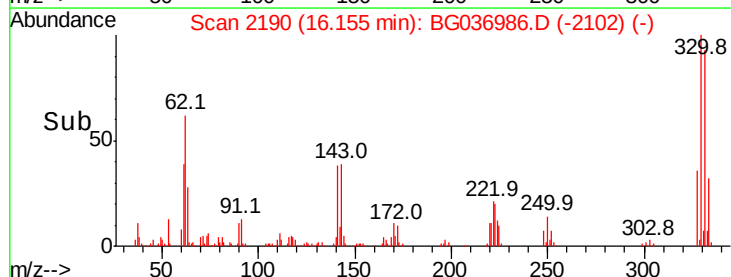
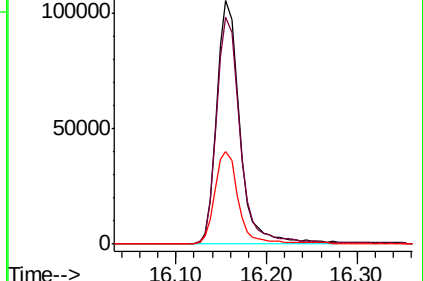
141 39.0 30.7 46.1

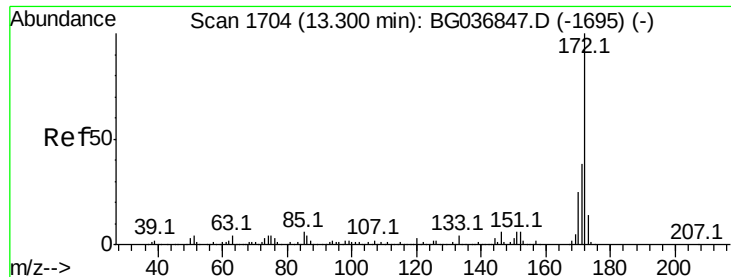


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

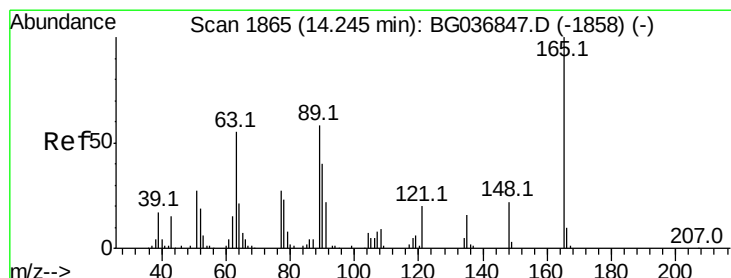
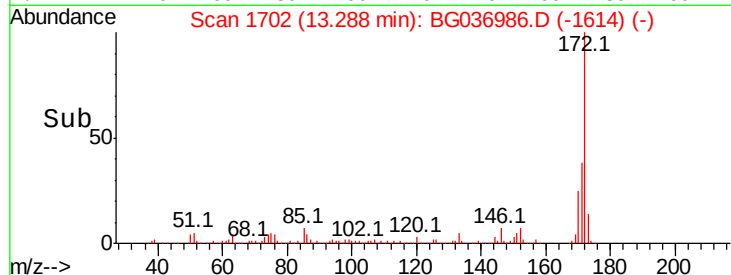
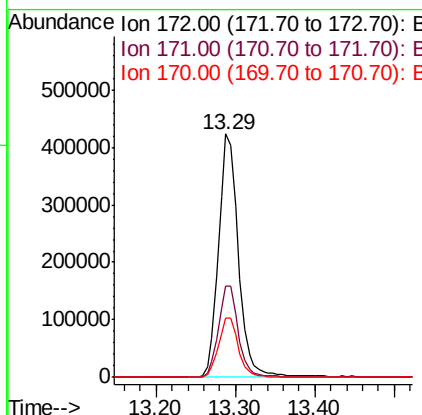
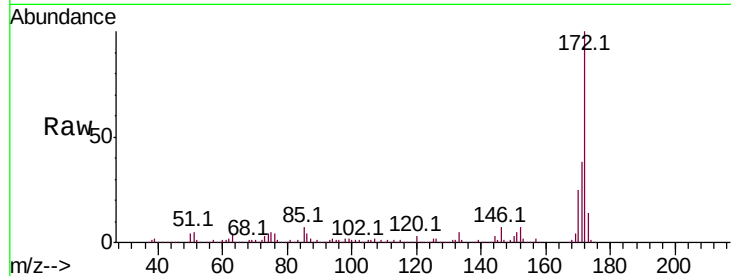




#44
 2-Fluorobiphenyl
 Concen: 83.155 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG036986.D
 Acq: 26 Sep 2018 17:53

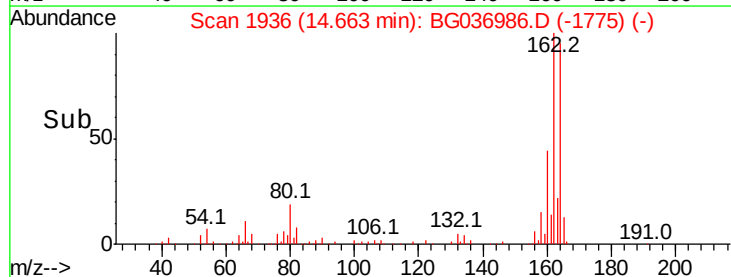
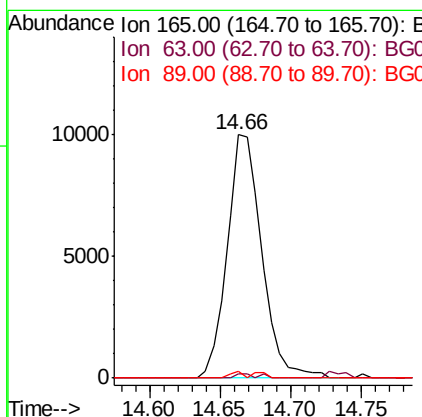
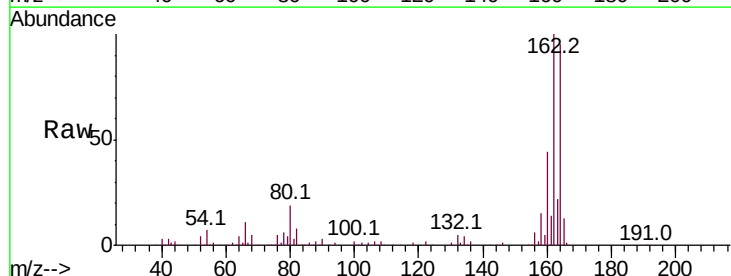
Instrument :
 BNA_G
 ClientSampled :

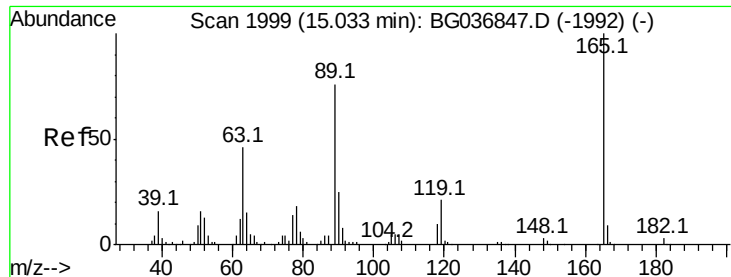
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	31.3	46.9
170	24.6	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.358 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG036986.D
 Acq: 26 Sep 2018 17:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	50.1	75.1#
89	2.8	47.8	71.6#

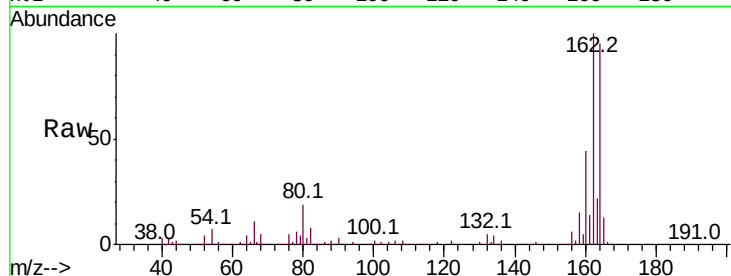




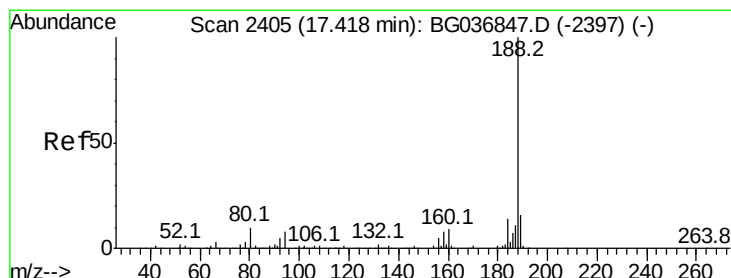
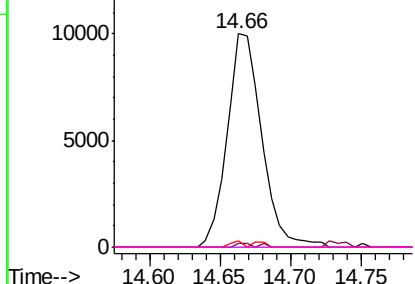
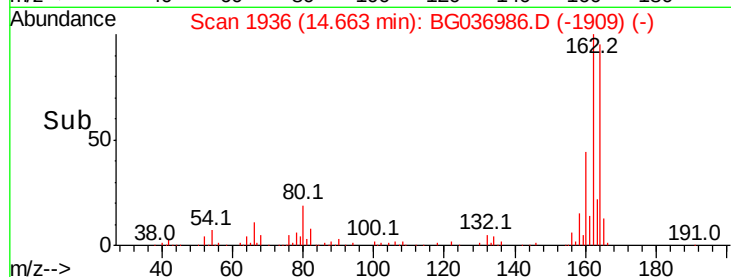
#56
 2,4-Dinitrotoluene
 Concen: 5.273 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG036986.D
 Acq: 26 Sep 2018 17:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 17084
 Ion Ratio Lower Upper
 165 100
 63 1.7 40.1 60.1#
 89 2.8 63.7 95.5#
 182 0.0 2.5 3.7#

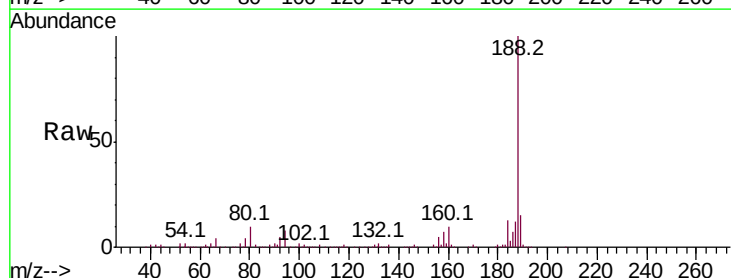


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

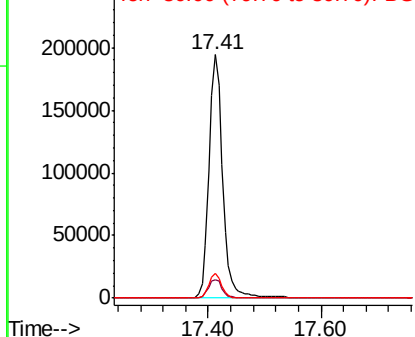
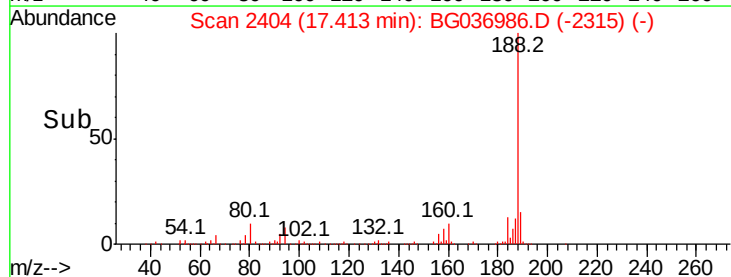


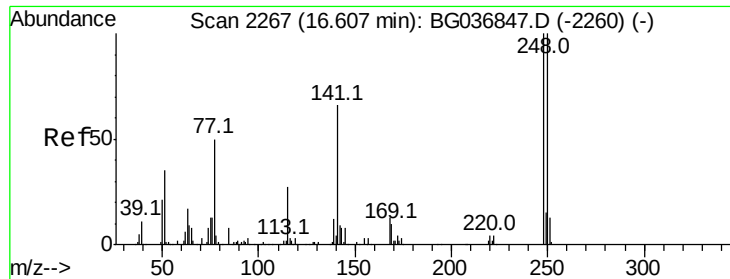
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG036986.D
 Acq: 26 Sep 2018 17:53

Tgt Ion:188 Resp: 327703
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.7 10.1
 80 10.0 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

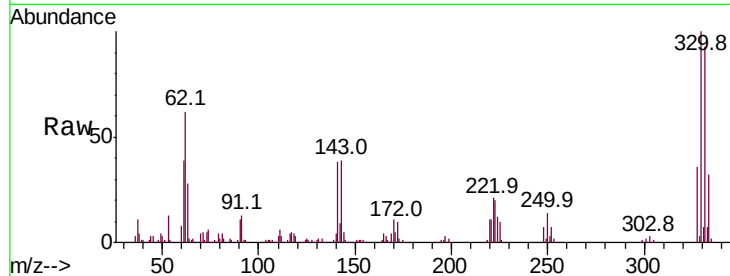




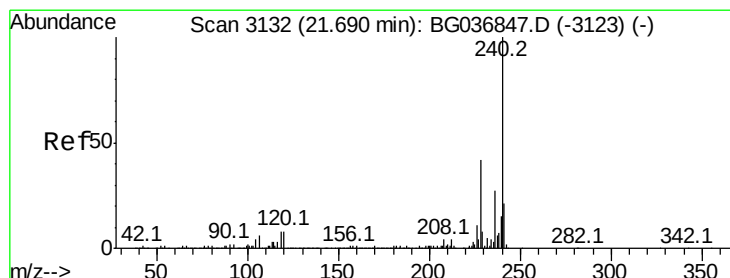
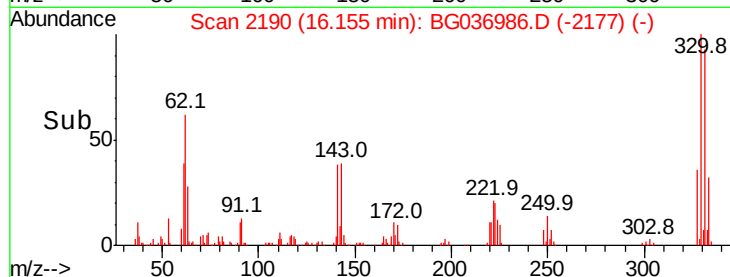
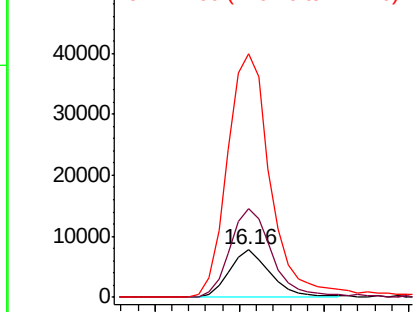
#66
4-Bromophenyl-phenylether
Concen: 3.525 ng
RT: 16.16 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG036986.D
Acq: 26 Sep 2018 17:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 13139
Ion Ratio Lower Upper
248 100
250 186.5 78.1 117.1#
141 515.0 53.7 80.5#

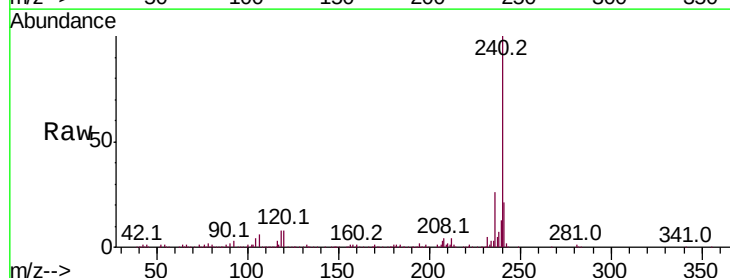


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

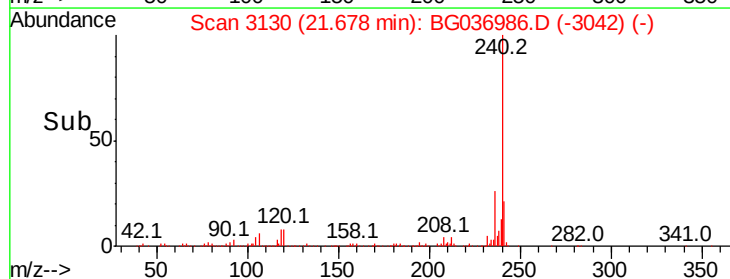
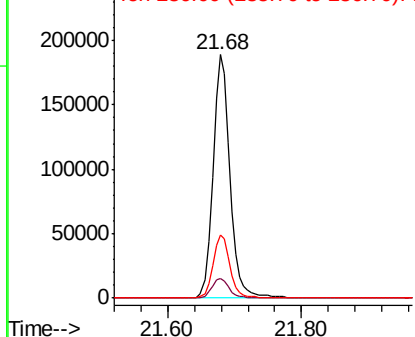


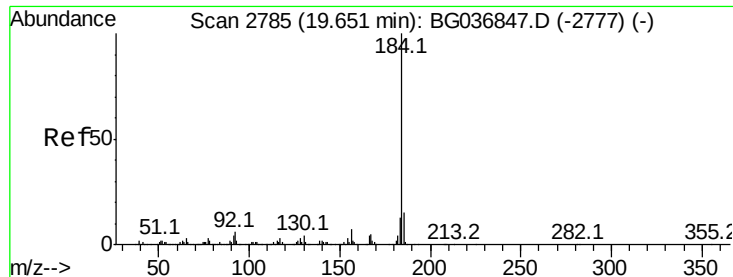
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BG036986.D
Acq: 26 Sep 2018 17:53

Tgt Ion:240 Resp: 336641
Ion Ratio Lower Upper
240 100
120 8.3 6.9 10.3
236 26.1 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: 2.086 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036986.D

Acq: 26 Sep 2018 17:53

Instrument :

BNA_G

ClientSampleId :

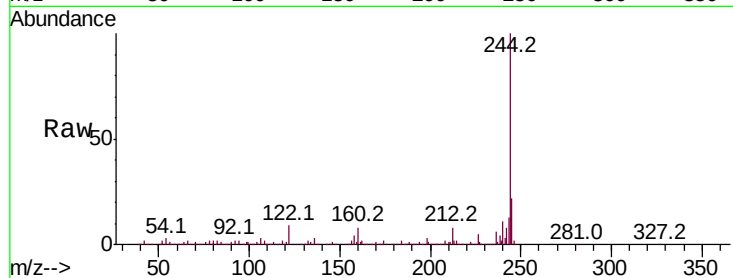
Tot Ion:184 Resp: 21231

Ion Ratio Lower Upper

184 100

185 16.3 12.6 18.8

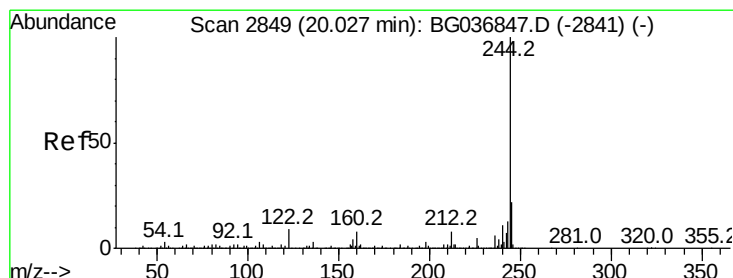
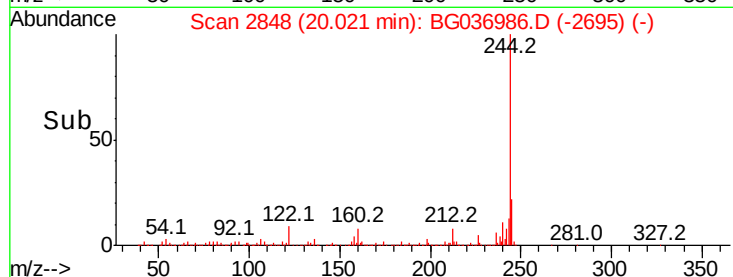
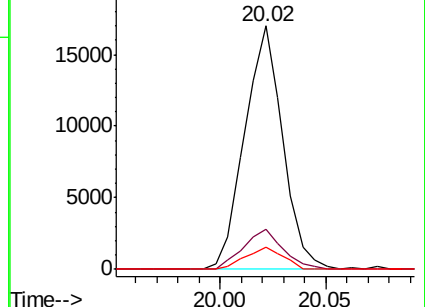
183 8.9 10.9 16.3#



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: 93.142 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036986.D

Acq: 26 Sep 2018 17:53

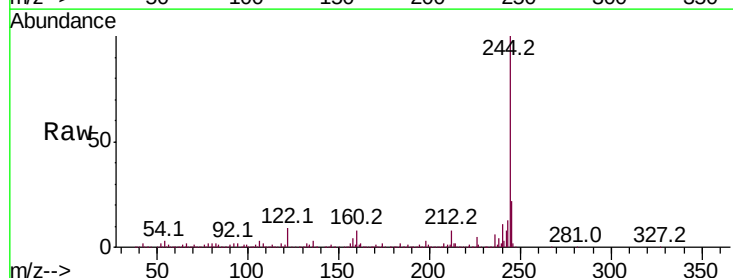
Tgt Ion:244 Resp: 1192451

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

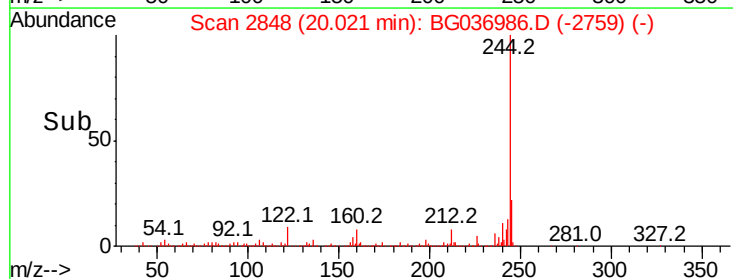
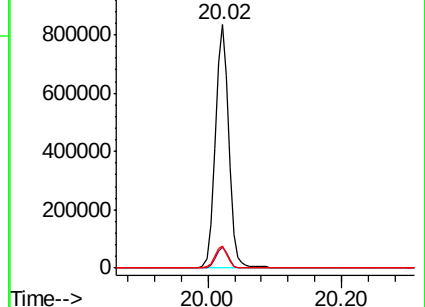
122 9.1 7.1 10.7

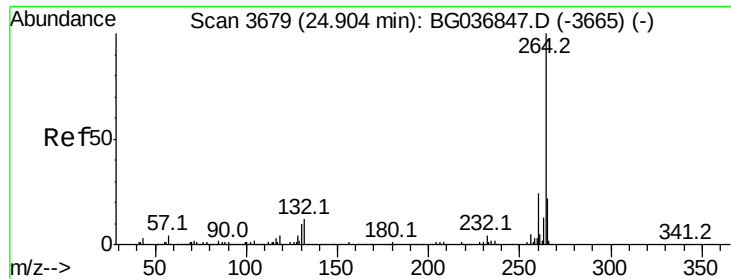


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

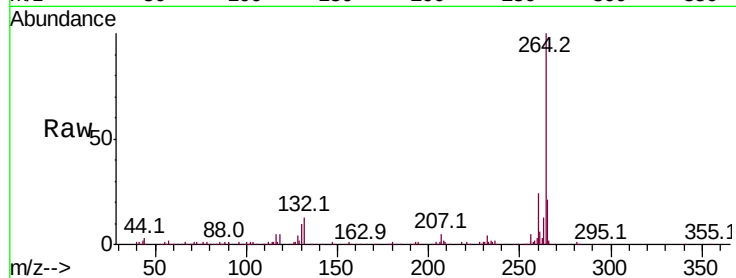




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3676
Delta R.T. -0.02 min
Lab File: BG036986.D
Acq: 26 Sep 2018 17:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	21.2	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

