

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092418\
 Data File : BG036920.D
 Acq On : 24 Sep 2018 16:34
 Operator : JU/SJ
 Sample : PB113129BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 17:09:24 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

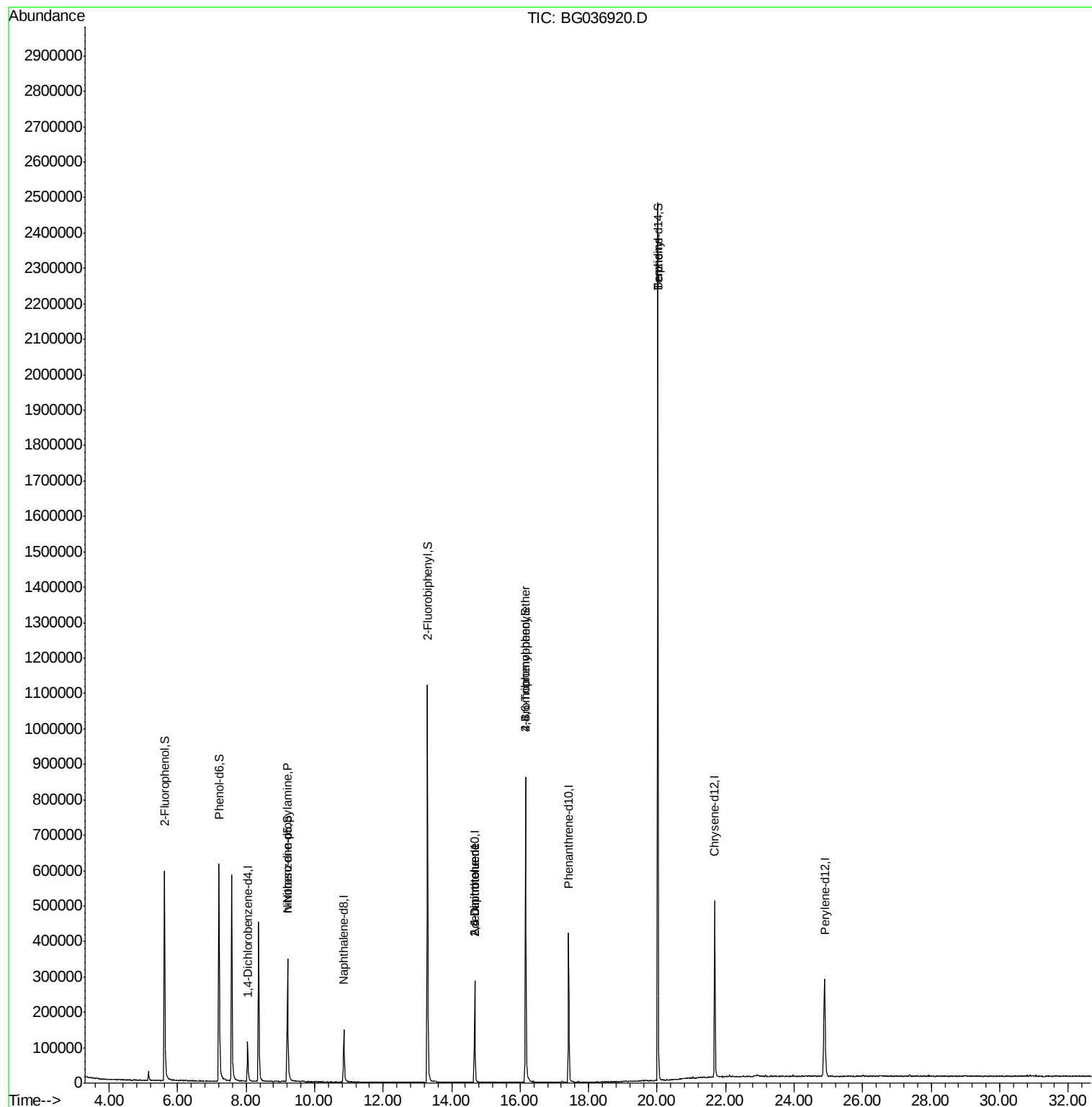
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	36032	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	158679	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	108355	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	296857	20.00	ng	0.00
75) Chrysene-d12	21.68	240	323300	20.00	ng	0.00
86) Perylene-d12	24.89	264	316093	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	289636	154.16	ng	0.00
7) Phenol-d6	7.20	99	409008	140.70	ng	0.00
23) Nitrobenzene-d5	9.21	82	259880	87.70	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	174602	134.68	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	636682	87.51	ng	0.00
78) Terphenyl-d14	20.02	244	1215717	98.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	34922	14.441	ng	# 70
50) 2,6-Dinitrotoluene	14.67	165	14349	7.540	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	14349	5.404	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	11818	3.500	ng	# 1
76) Benzidine	20.02	184	20258	2.073	ng	# 92

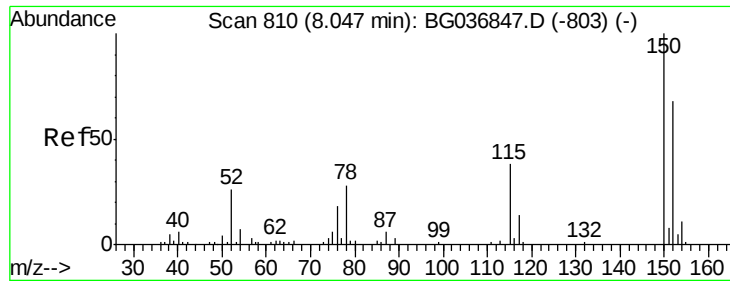
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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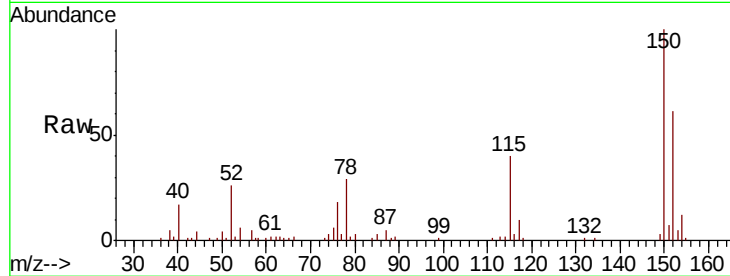


#1

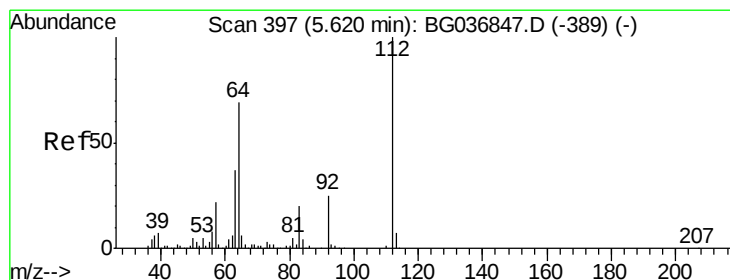
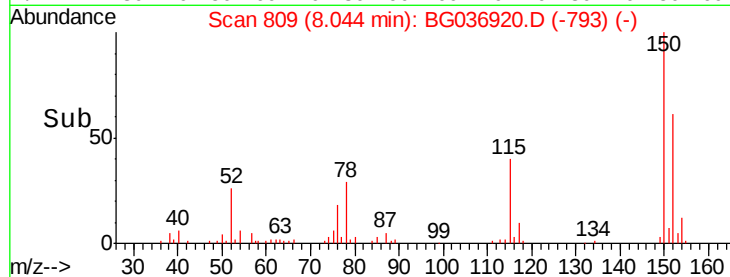
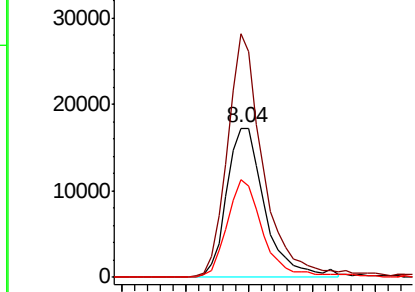
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG036920.D
Acq: 24 Sep 2018 16:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.2	119.5	179.3
115	65.1	44.5	66.7



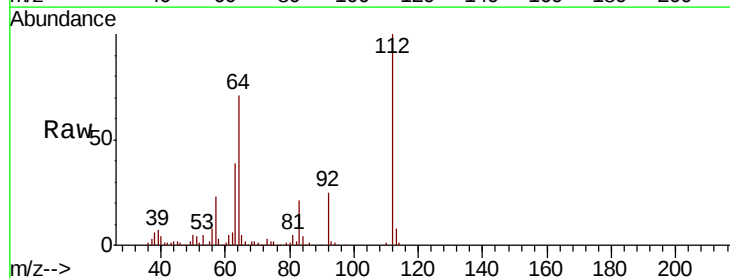
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



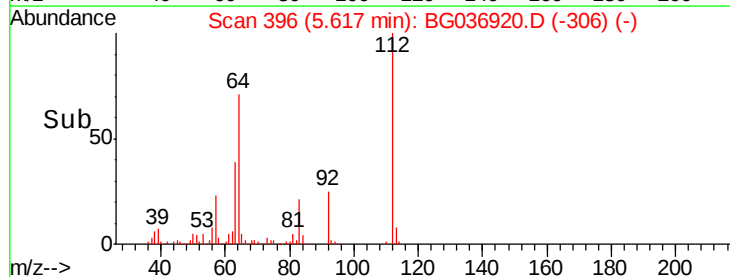
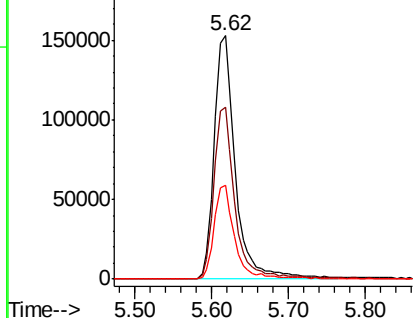
#5

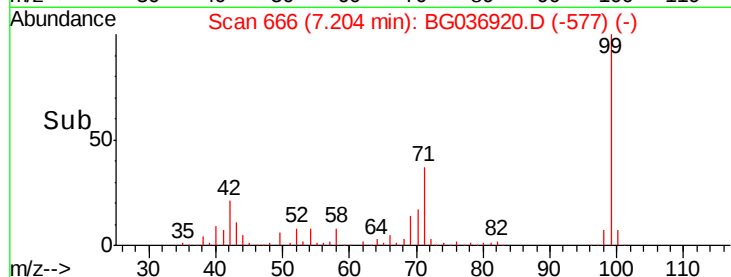
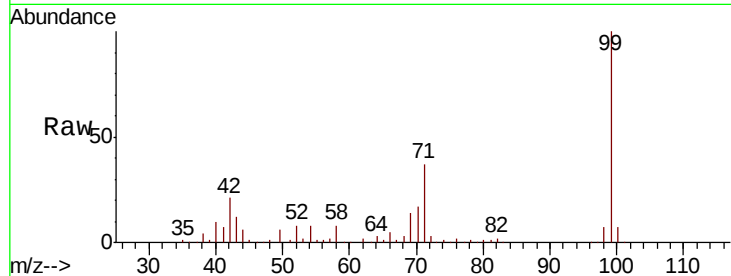
2-Fluorophenol
Concen: 154.157 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG036920.D
Acq: 24 Sep 2018 16:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	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: 140.703 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036920.D

Acq: 24 Sep 2018 16:34

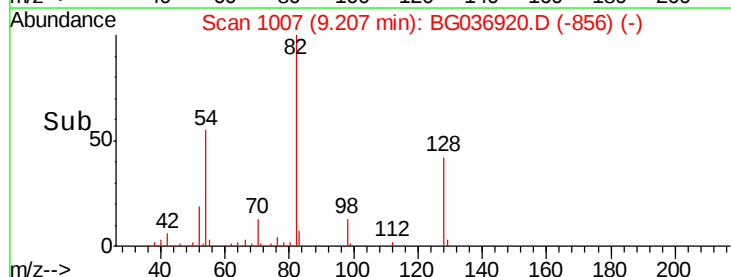
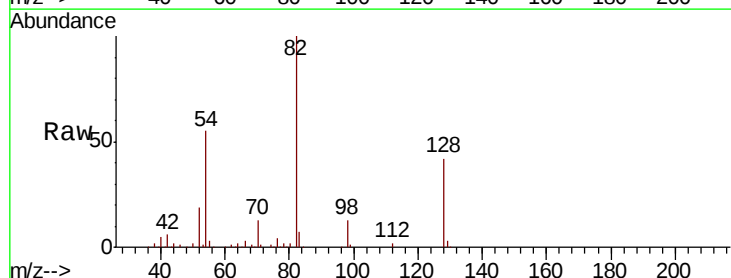
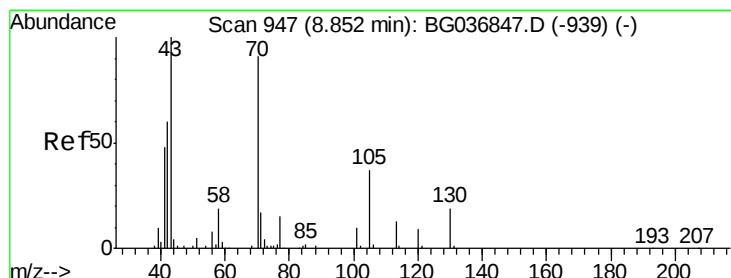
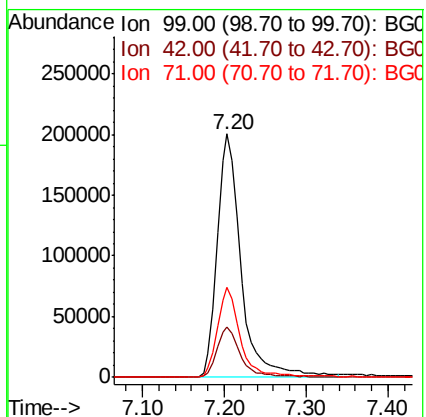
Tot Ion: 99 Resp: 409008

Ion Ratio Lower Upper

99 100

42 20.7 16.5 24.7

71 36.7 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.441 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.36 min

Lab File: BG036920.D

Acq: 24 Sep 2018 16:34

Tgt Ion: 70 Resp: 34922

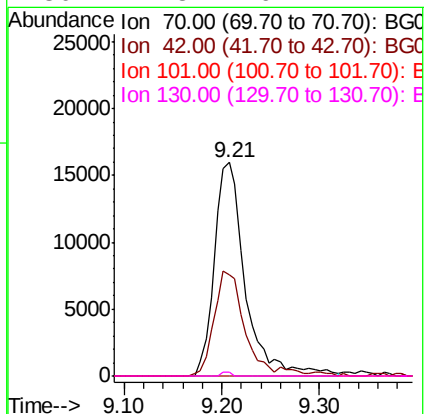
Ion Ratio Lower Upper

70 100

42 47.1 56.2 84.4#

101 0.0 7.8 11.6#

130 1.8 16.2 24.2#

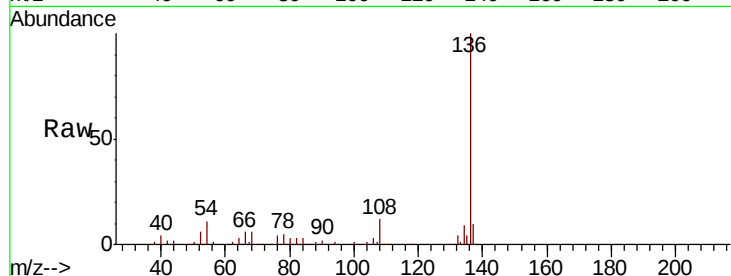




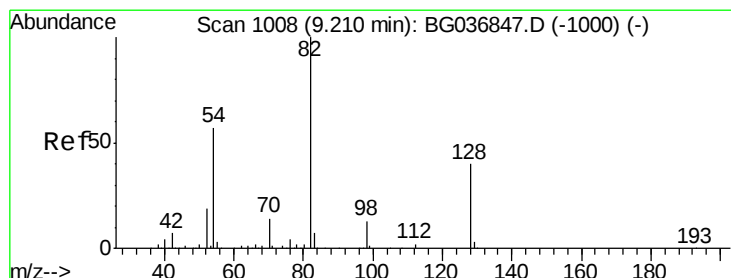
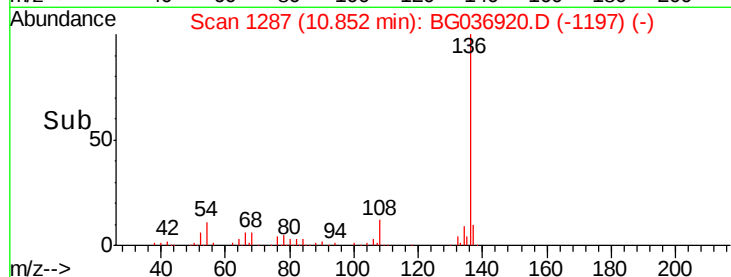
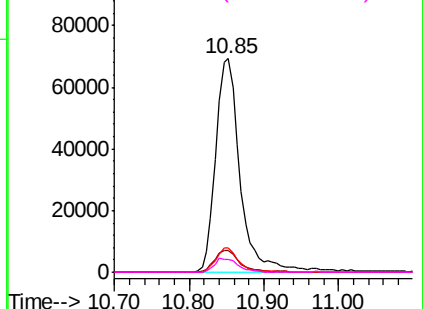
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BG036920.D
Acq: 24 Sep 2018 16:34

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	158679
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.8 13.2
54	11.4	9.2 13.8
68	6.3	5.8 8.6

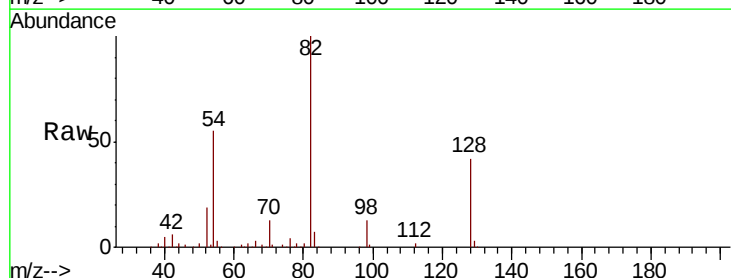


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

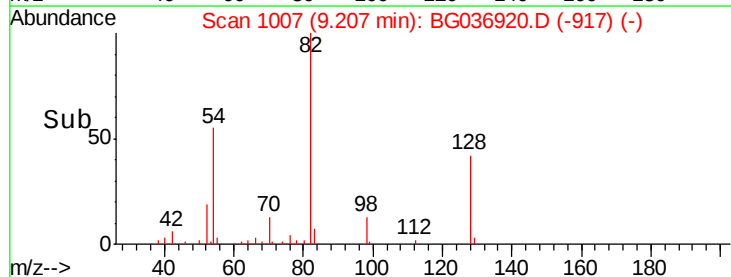
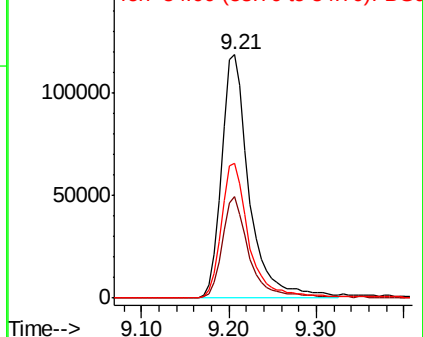


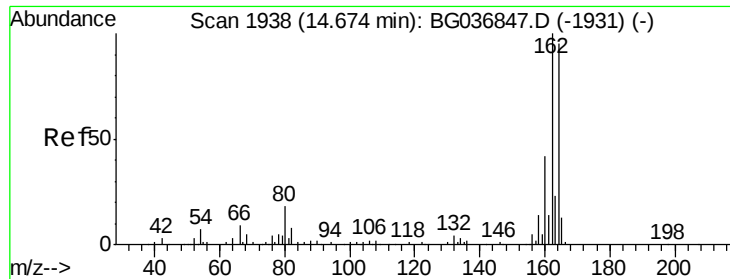
#23
Nitrobenzene-d5
Concen: 87.704 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BG036920.D
Acq: 24 Sep 2018 16:34

Tgt Ion: 82	Resp:	259880
Ion	Ratio	Lower Upper
82	100	
128	41.5	33.3 49.9
54	55.2	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: BG036920.D

Acq: 24 Sep 2018 16:34

Instrument :

BNA_G

ClientSampleId :

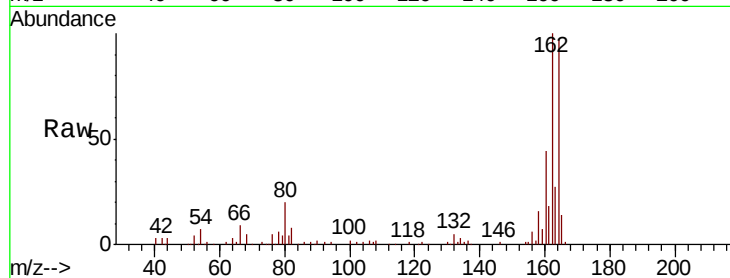
Tot Ion:164 Resp: 108355

Ion Ratio Lower Upper

164 100

162 103.6 80.7 121.1

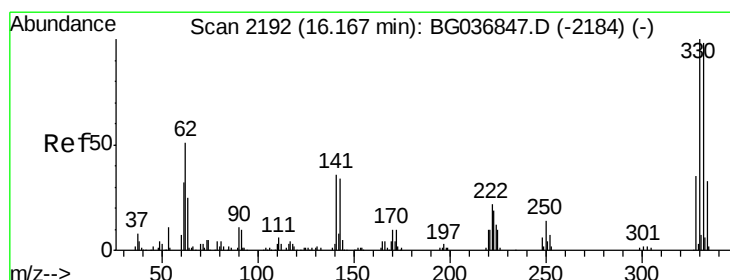
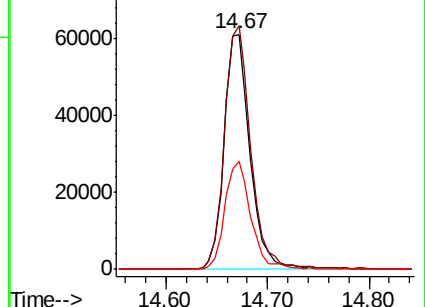
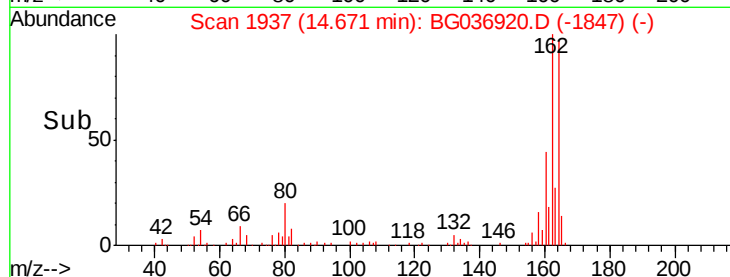
160 45.8 35.3 52.9



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: 134.682 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036920.D

Acq: 24 Sep 2018 16:34

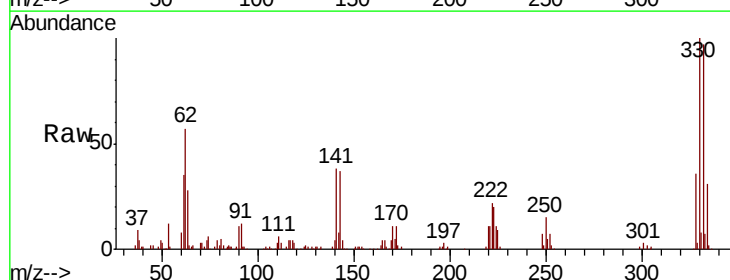
Tgt Ion:330 Resp: 174602

Ion Ratio Lower Upper

330 100

332 95.6 75.4 113.2

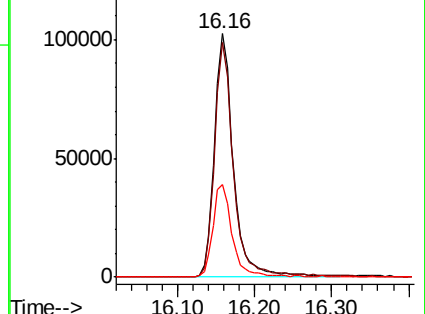
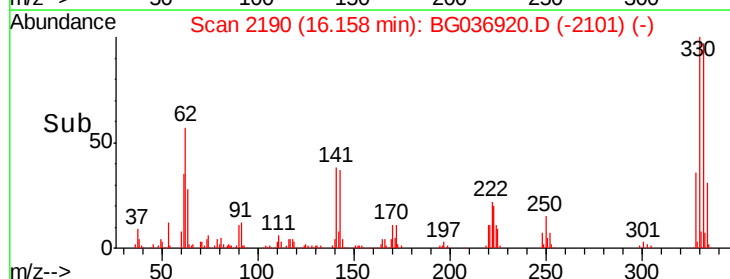
141 37.7 30.7 46.1



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

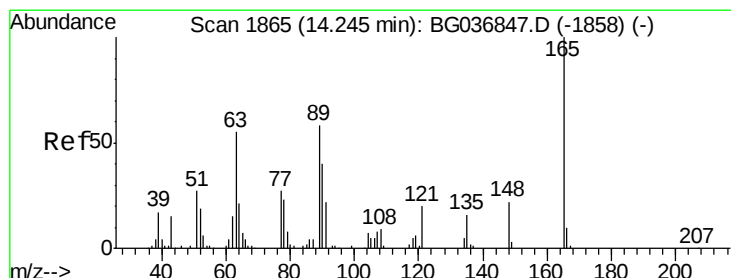
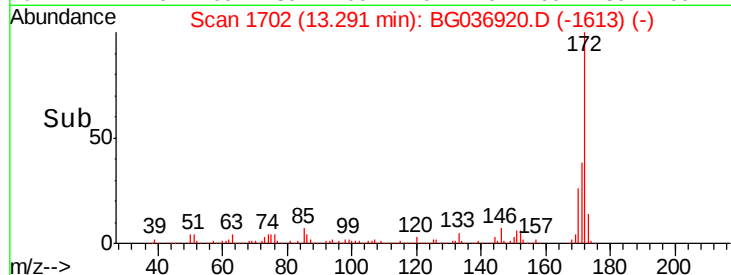
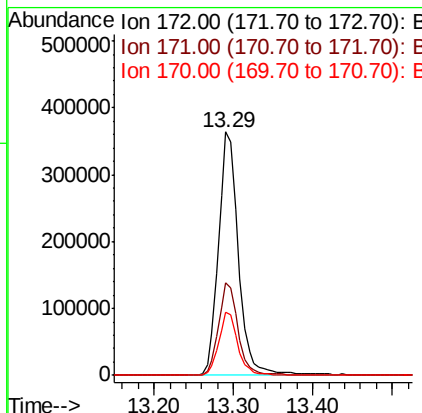
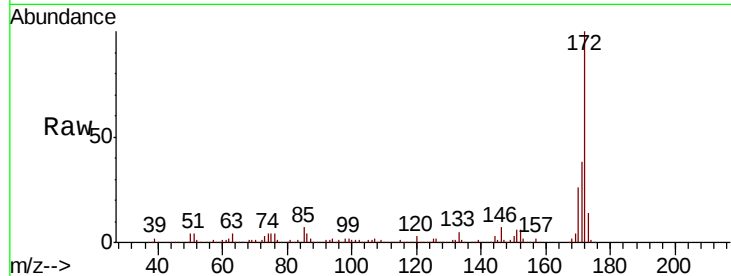




#44
 2-Fluorobiphenyl
 Concen: 87.515 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG036920.D
 Acq: 24 Sep 2018 16:34

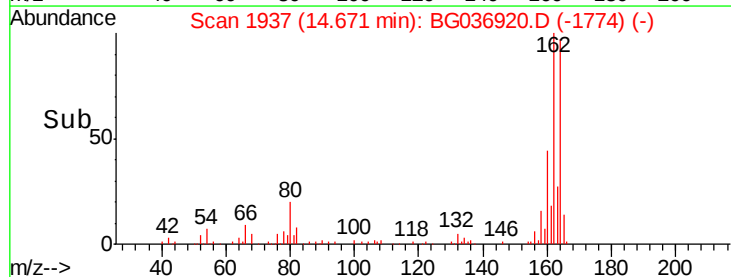
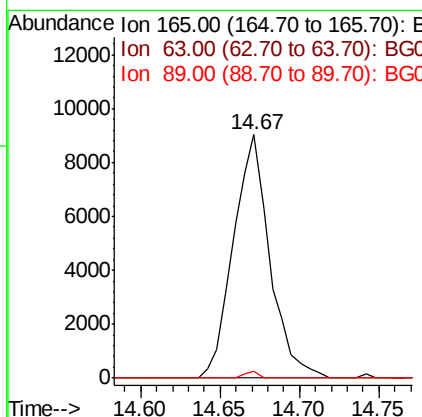
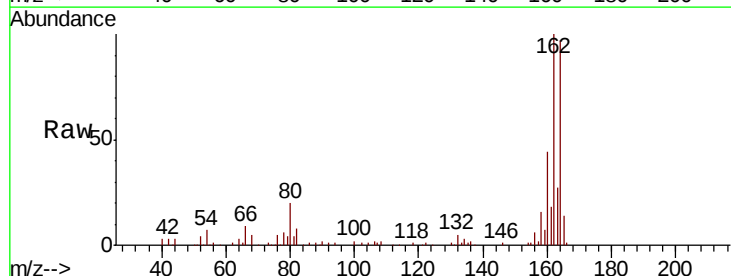
Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.3	46.9
170	25.9	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.540 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.43 min
 Lab File: BG036920.D
 Acq: 24 Sep 2018 16:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	2.9	47.8	71.6#

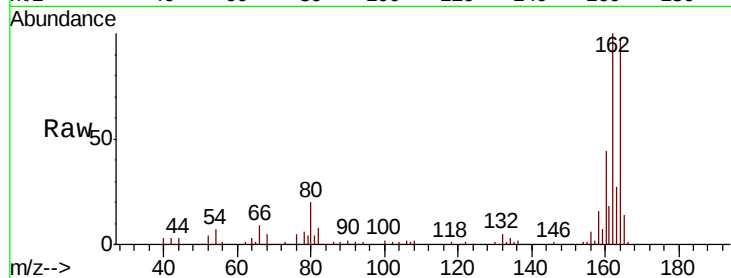




#56
2,4-Dinitrotoluene
Concen: 5.404 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.36 min
Lab File: BG036920.D
Acq: 24 Sep 2018 16:34

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.9	63.7	95.5#
182	0.0	2.5	3.7#

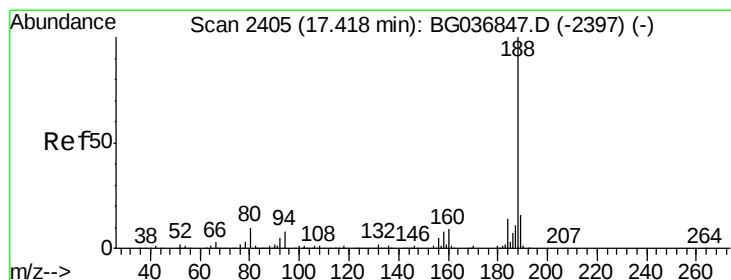
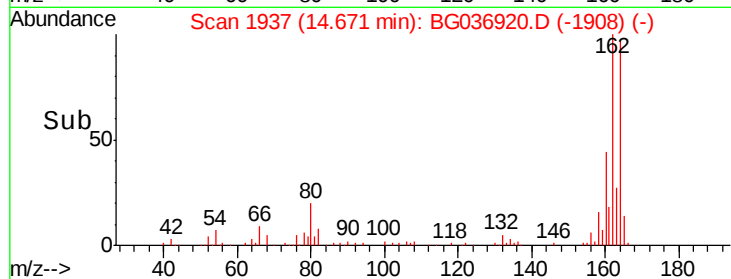
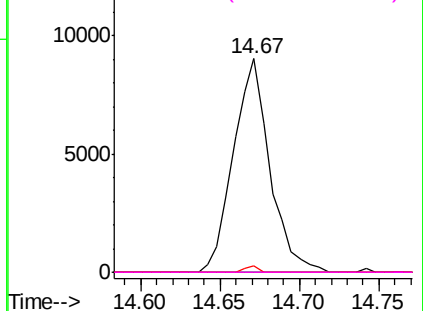


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

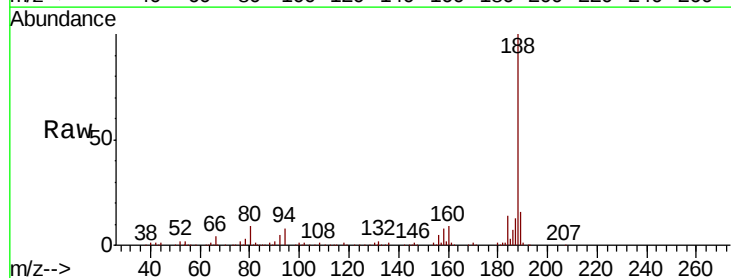
Ion 89.00 (88.70 to 89.70): BGC

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: BG036920.D
Acq: 24 Sep 2018 16:34

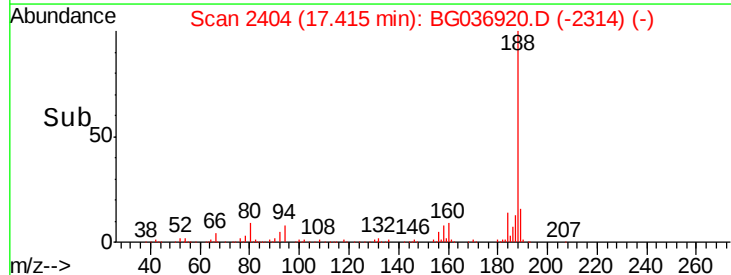
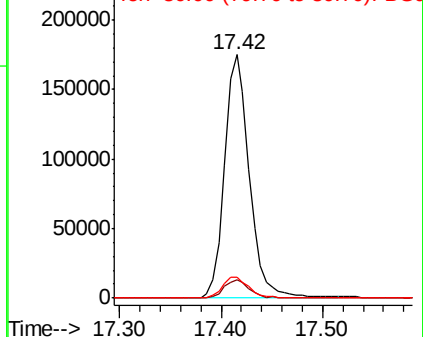
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	8.8	8.1	12.1

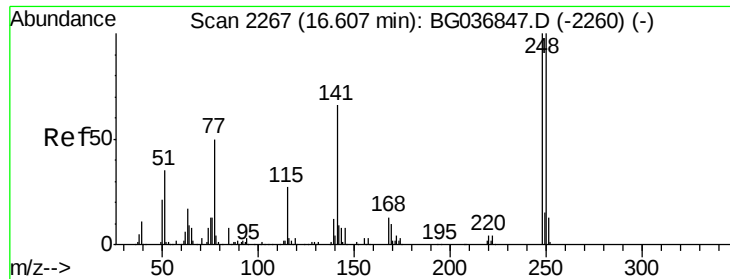


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

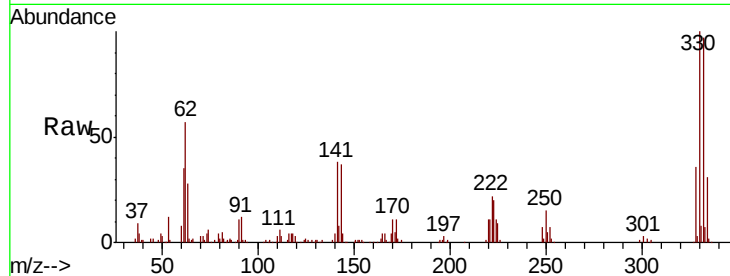




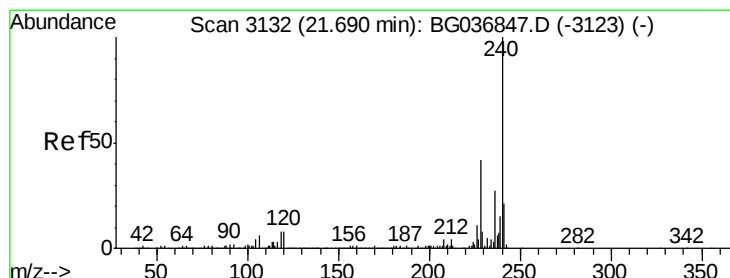
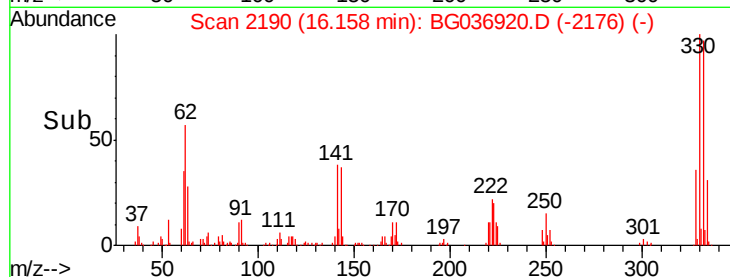
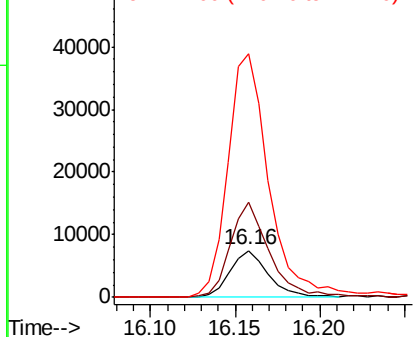
#66
 4-Bromophenyl-phenylether
 Concen: 3.500 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036920.D
 Acq: 24 Sep 2018 16:34

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 11818
 Ion Ratio Lower Upper
 248 100
 250 202.8 78.1 117.1#
 141 521.7 53.7 80.5#

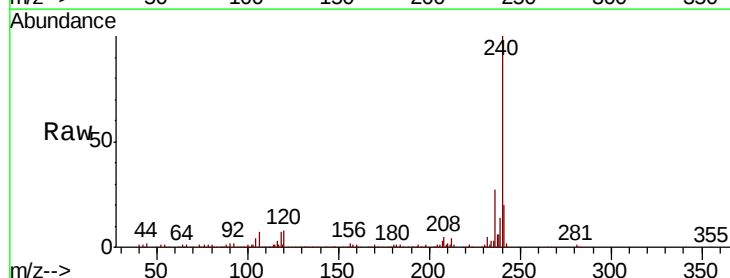


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

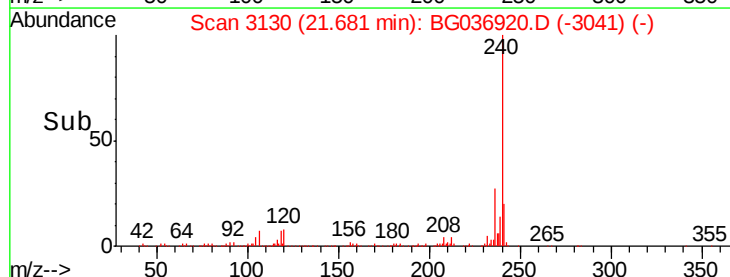
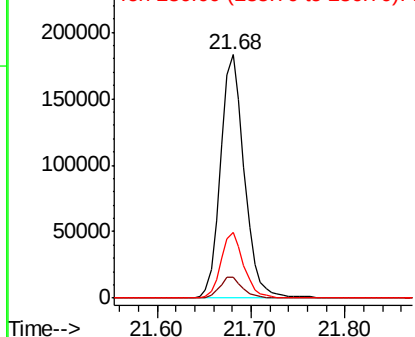


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036920.D
 Acq: 24 Sep 2018 16:34

Tgt Ion:240 Resp: 323300
 Ion Ratio Lower Upper
 240 100
 120 8.4 6.9 10.3
 236 27.0 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: 2.073 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036920.D

Acq: 24 Sep 2018 16:34

Instrument :

BNA_G

ClientSampleId :

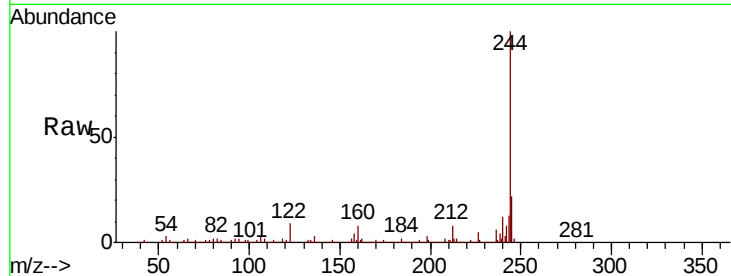
Tot Ion:184 Resp: 20258

Ion Ratio Lower Upper

184 100

185 14.5 12.6 18.8

183 7.8 10.9 16.3#

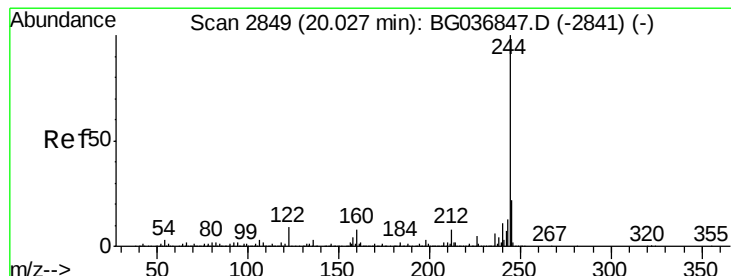
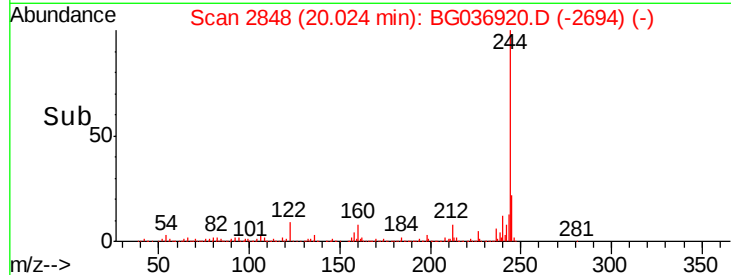
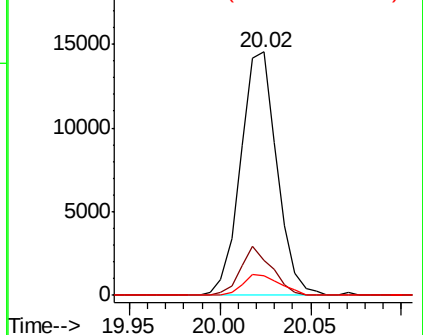


Abundance

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: 98.878 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG036920.D

Acq: 24 Sep 2018 16:34

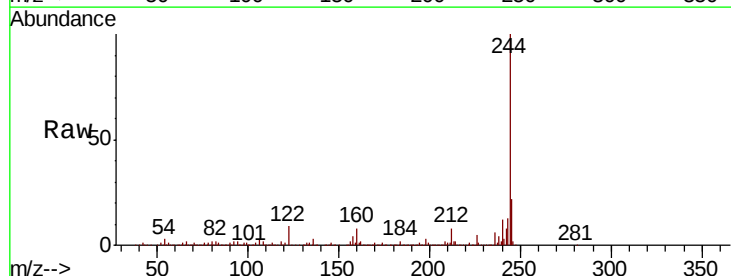
Tgt Ion:244 Resp: 1215717

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.6

122 8.7 7.1 10.7

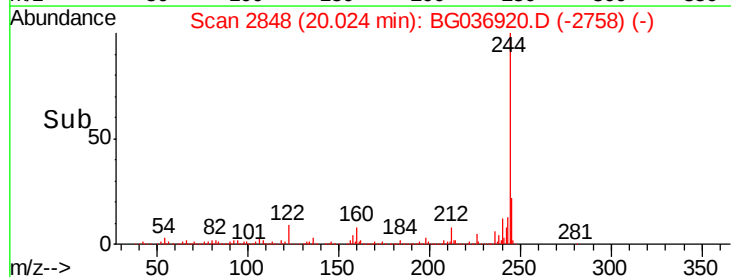
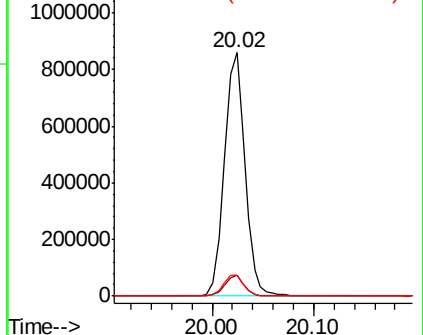


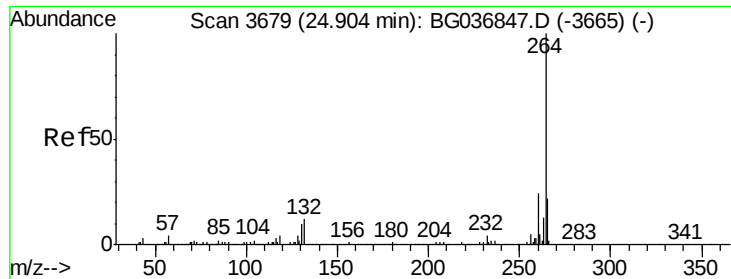
Abundance

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: BG036920.D
Acq: 24 Sep 2018 16:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.6	29.4
265	21.6	17.4	26.0

