

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092418\
 Data File : BG036946.D
 Acq On : 25 Sep 2018 10:04
 Operator : JU/SJ
 Sample : J5061-14
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 25 11:08:42 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

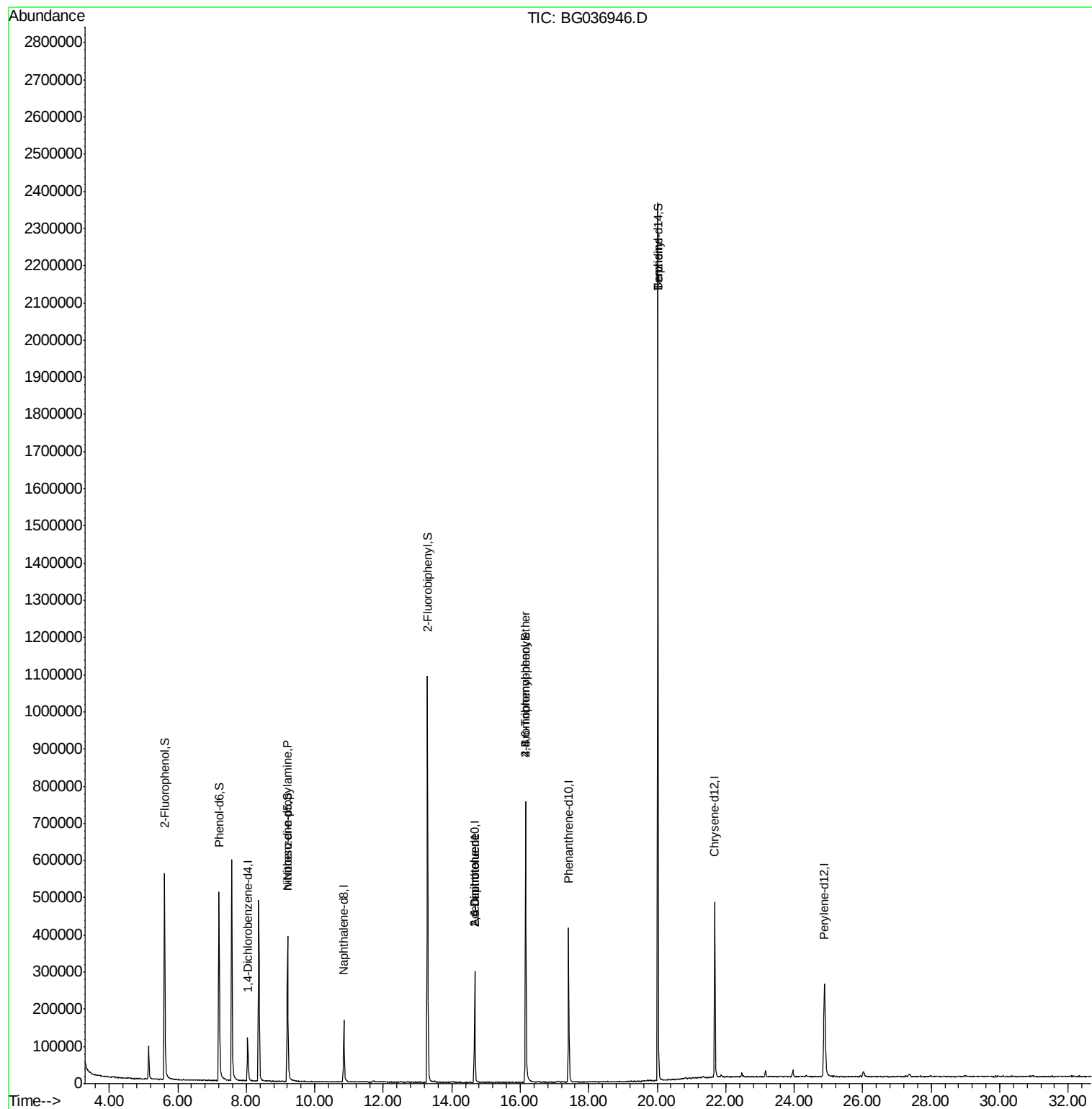
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	38517	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	162141	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	112844	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	290791	20.00	ng	0.00
75) Chrysene-d12	21.68	240	306067	20.00	ng	-0.01
86) Perylene-d12	24.88	264	307431	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	258600	128.76	ng	0.00
7) Phenol-d6	7.20	99	331833	106.79	ng	-0.01
23) Nitrobenzene-d5	9.21	82	278557	92.00	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	154756	114.62	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	628757	82.99	ng	0.00
78) Terphenyl-d14	20.02	244	1138577	97.82	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	36661	14.182	ng	# 73
50) 2,6-Dinitrotoluene	14.66	165	14387	7.260	ng	# 21
56) 2,4-Dinitrotoluene	14.66	165	14387	5.203	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	10102	3.054	ng	# 1
76) Benzidine	20.02	184	21330	2.305	ng	# 89

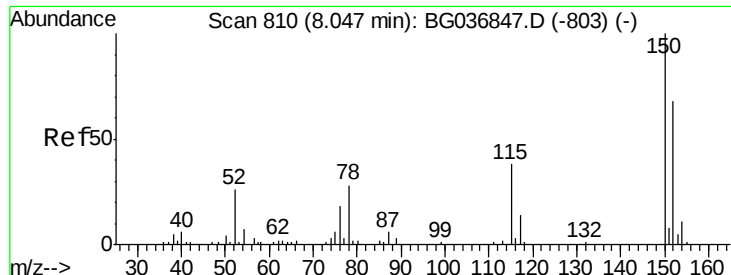
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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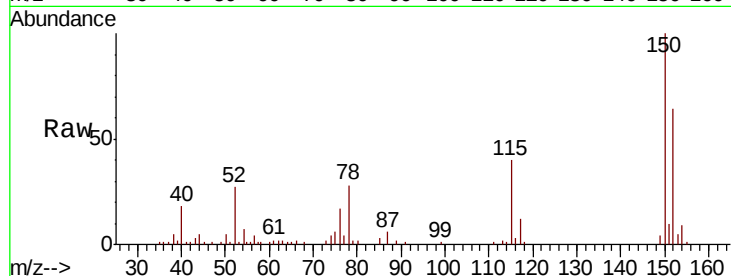


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BG036946.D
 Acq: 25 Sep 2018 10:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	119.5	179.3
115	62.5	44.5	66.7

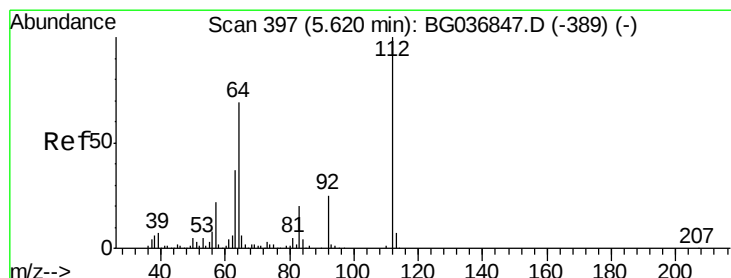
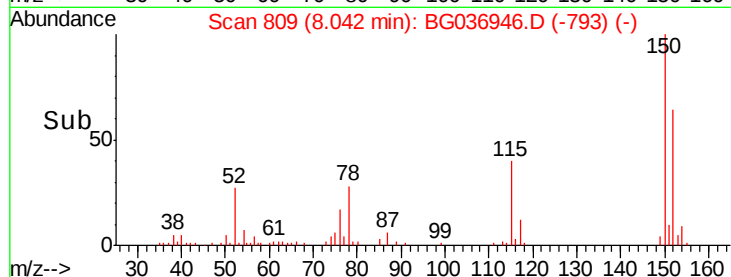
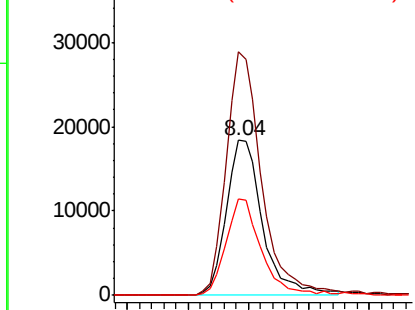


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

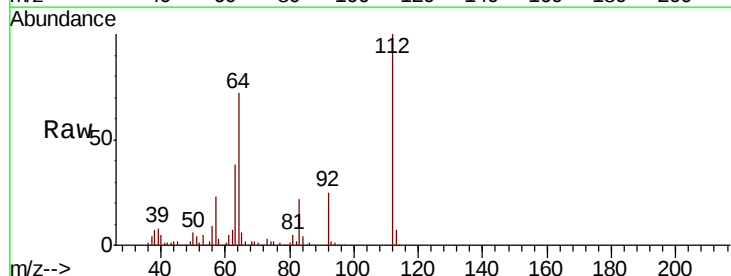
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 128.758 ng
 RT: 5.62 min Scan# 396
 Delta R.T. -0.00 min
 Lab File: BG036946.D
 Acq: 25 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	57.2	85.8
63	37.8	30.8	46.2

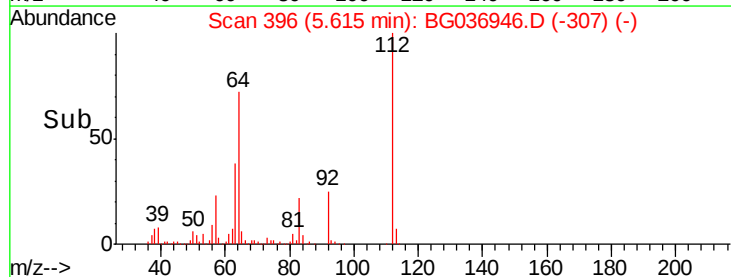
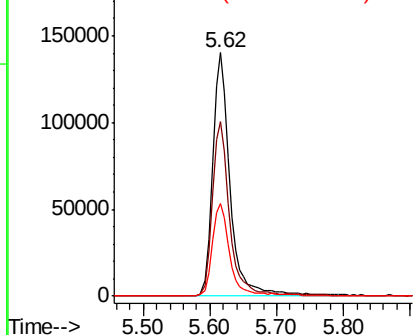


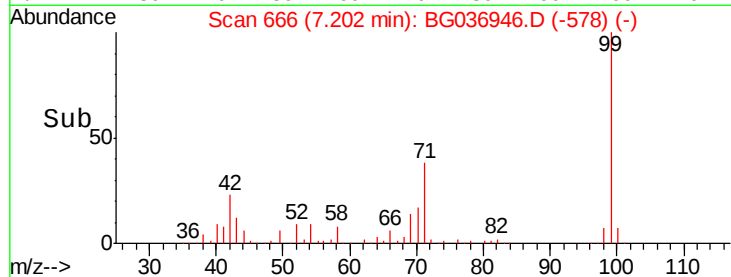
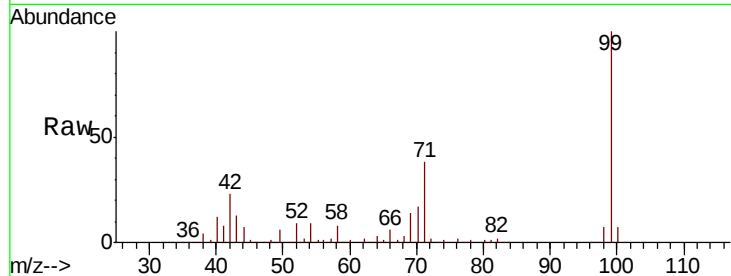
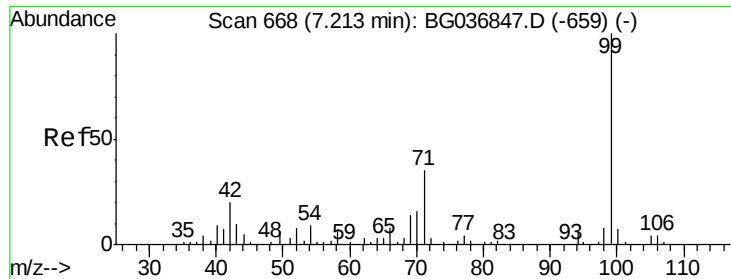
Abundance

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: 106.789 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036946.D

Acq: 25 Sep 2018 10:04

Tot Ion: 99 Resp: 331833

Ion Ratio Lower Upper

99 100

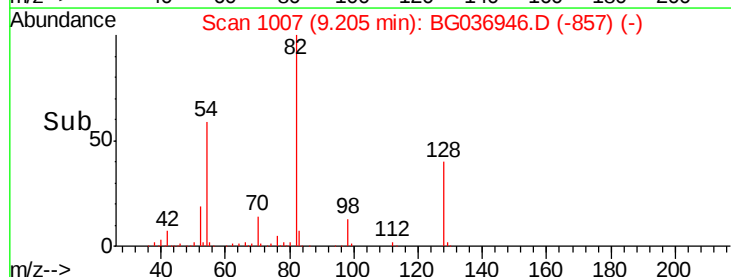
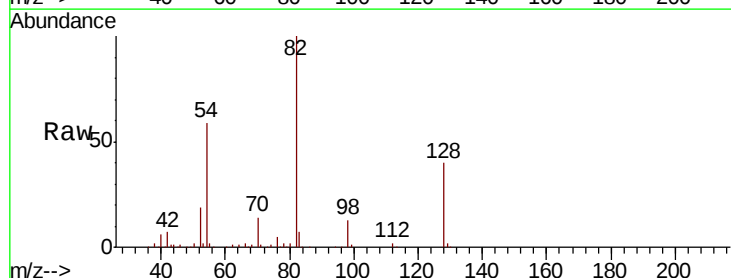
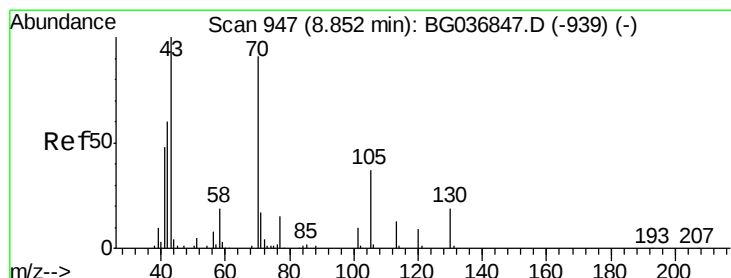
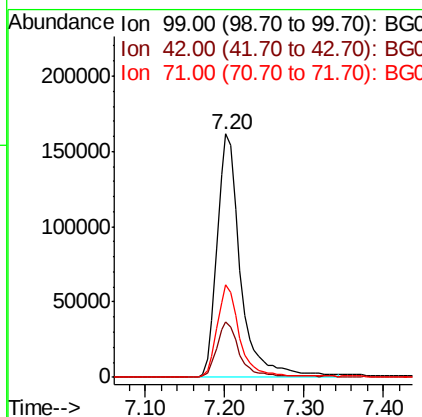
42 22.8 16.5 24.7

71 38.3 29.4 44.2

Instrument :

BNA_G

ClientSampleId :



#19

n-Nitroso-di-n-propylamine

Concen: 14.182 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036946.D

Acq: 25 Sep 2018 10:04

Tgt Ion: 70 Resp: 36661

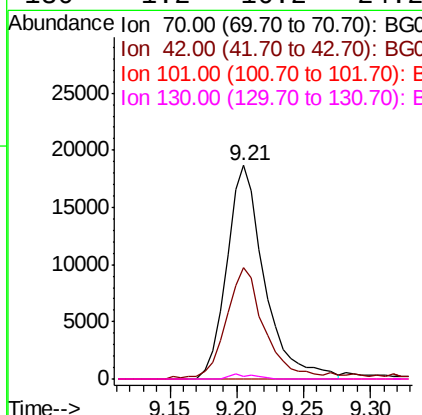
Ion Ratio Lower Upper

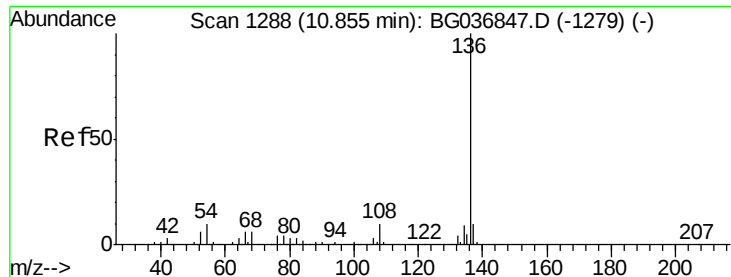
70 100

42 51.9 56.2 84.4#

101 0.0 7.8 11.6#

130 1.2 16.2 24.2#

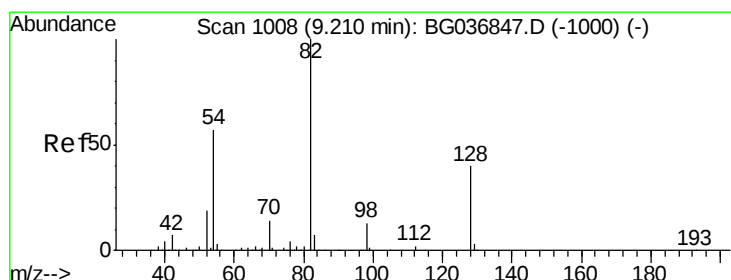
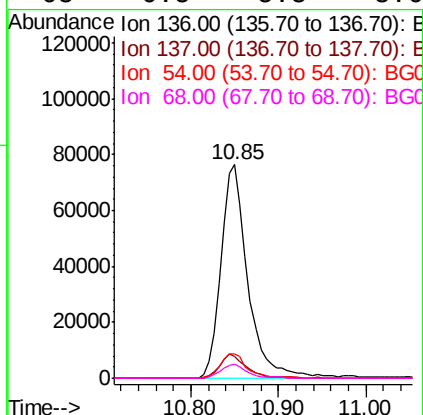
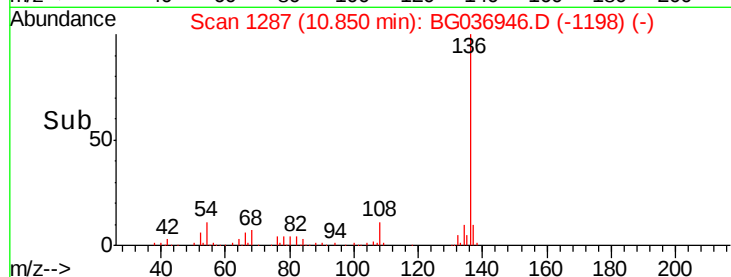
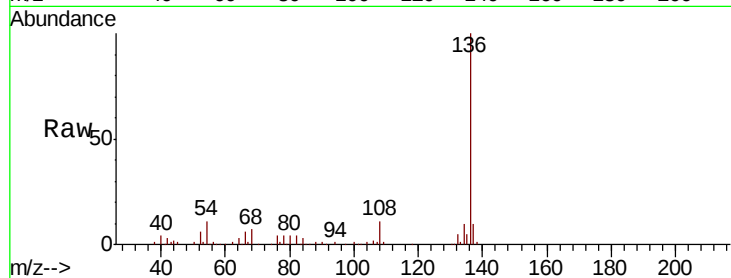




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BG036946.D
Acq: 25 Sep 2018 10:04

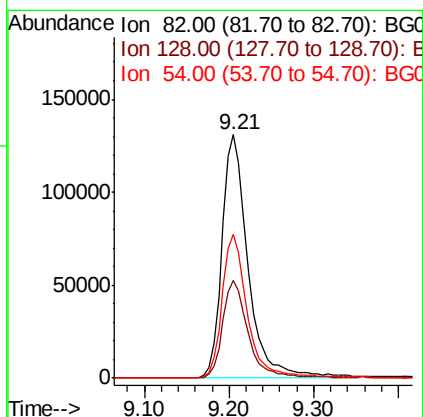
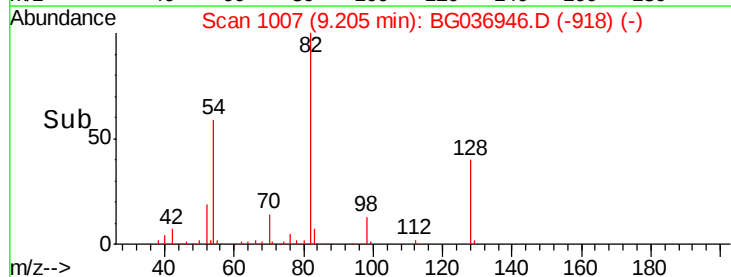
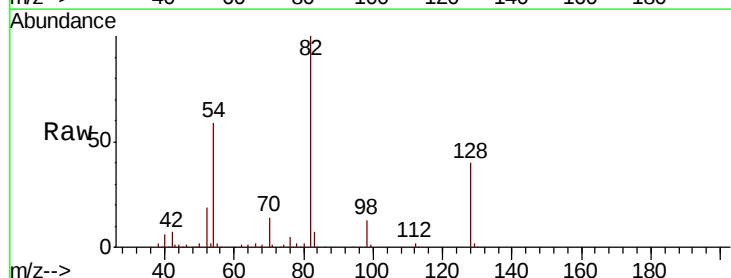
Instrument :
BNA_G
ClientSampleId :

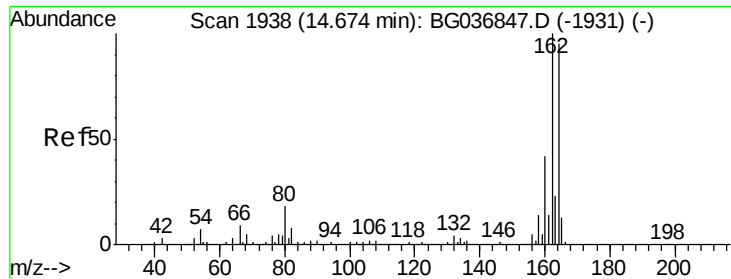
Tot Ion:136	Resp:	162141
Ion Ratio	Lower	Upper
136 100		
137 10.4	8.8	13.2
54 11.3	9.2	13.8
68 6.5	5.8	8.6



#23
Nitrobenzene-d5
Concen: 92.000 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BG036946.D
Acq: 25 Sep 2018 10:04

Tgt	Ion: 82	Resp:	278557
Ion	Ratio	Lower	Upper
82	100		
128	40.1	33.3	49.9
54	59.1	45.1	67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.00 min

Lab File: BG036946.D

Acq: 25 Sep 2018 10:04

Instrument :

BNA_G

ClientSampleId :

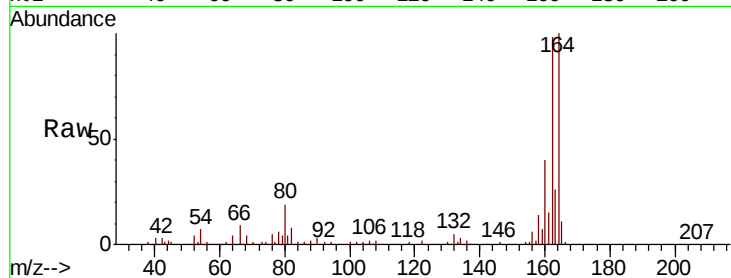
Tot Ion:164 Resp: 112844

Ion Ratio Lower Upper

164 100

162 97.6 80.7 121.1

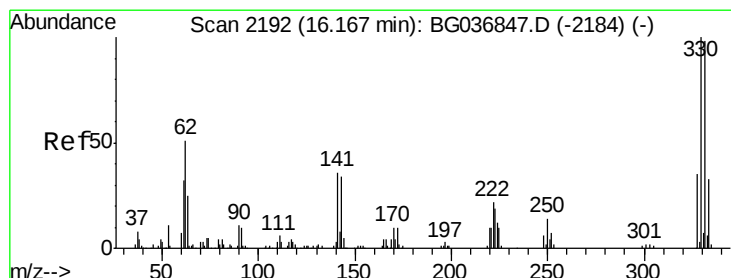
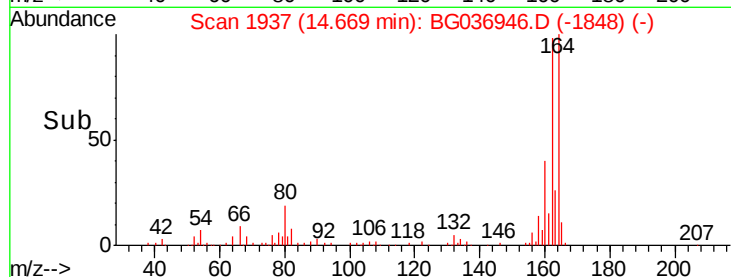
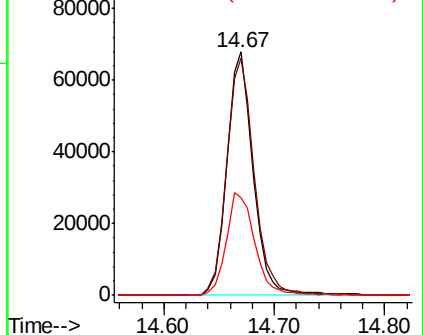
160 40.1 35.3 52.9



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: 114.625 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036946.D

Acq: 25 Sep 2018 10:04

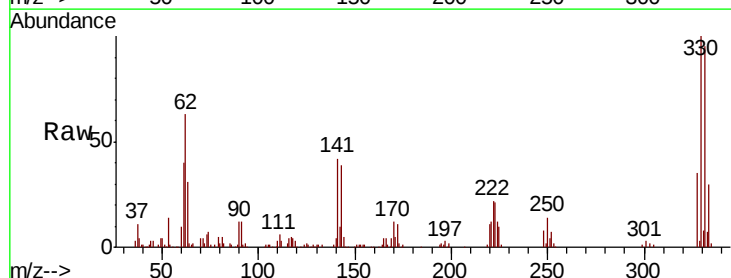
Tgt Ion:330 Resp: 154756

Ion Ratio Lower Upper

330 100

332 91.9 75.4 113.2

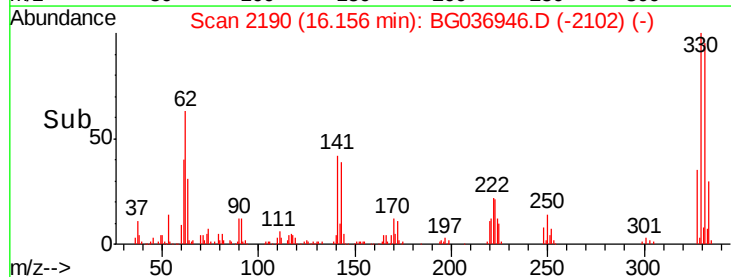
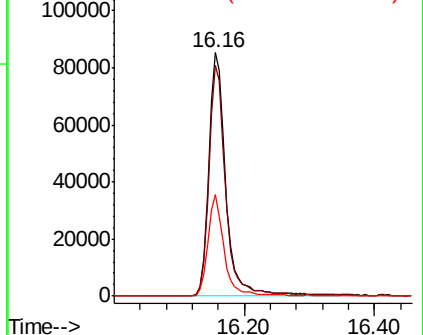
141 39.3 30.7 46.1

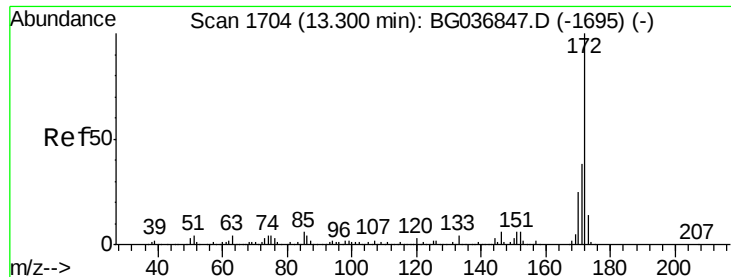


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

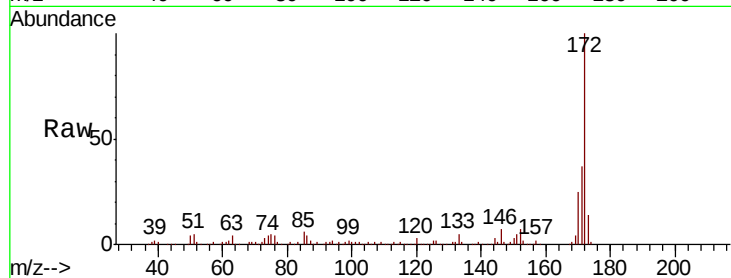




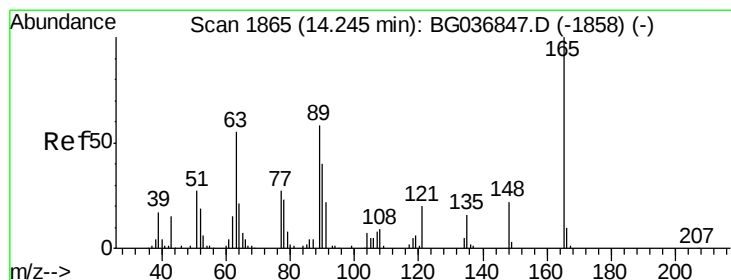
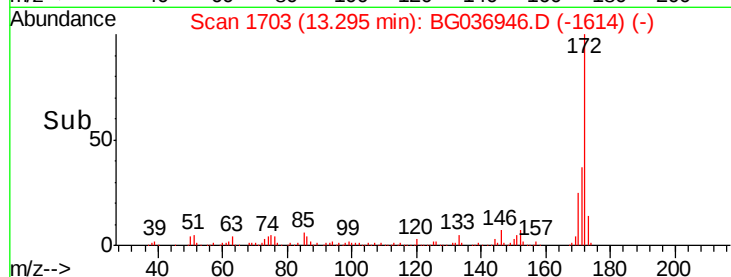
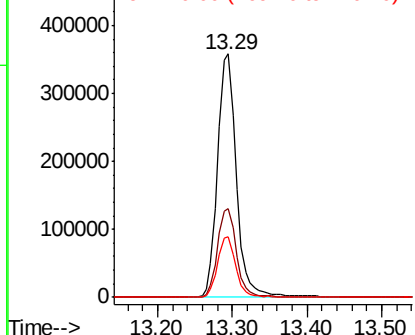
#44
 2-Fluorobiphenyl
 Concen: 82.988 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BG036946.D
 Acq: 25 Sep 2018 10:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.3	46.9
170	24.8	21.0	31.6

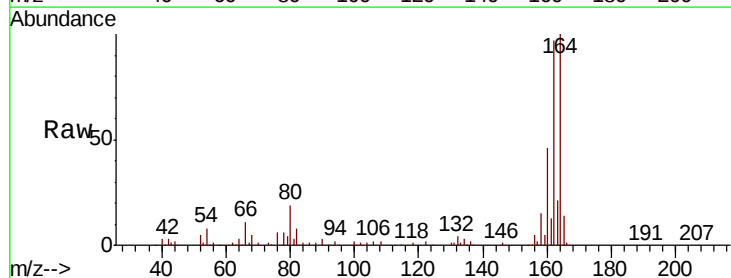


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

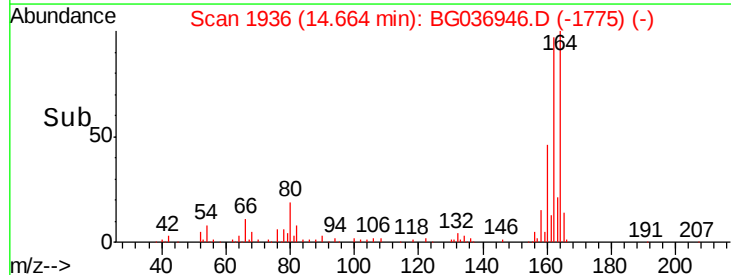
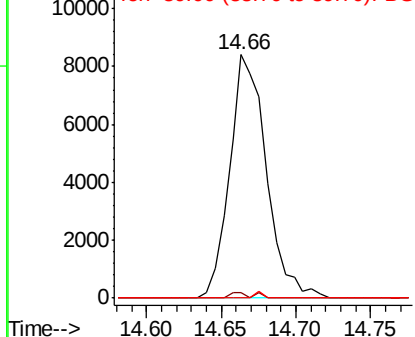


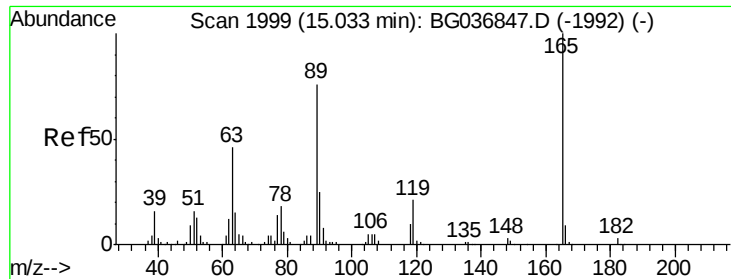
#50
 2,6-Dinitrotoluene
 Concen: 7.260 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG036946.D
 Acq: 25 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	50.1	75.1#
89	0.0	47.8	71.6#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

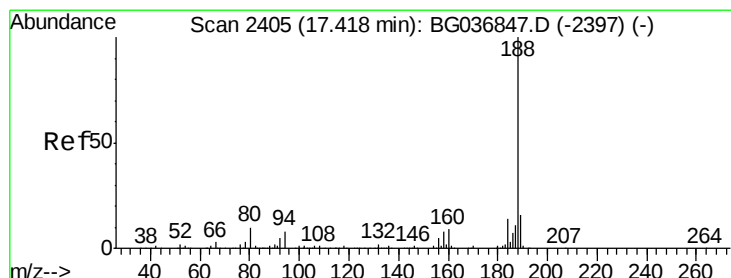
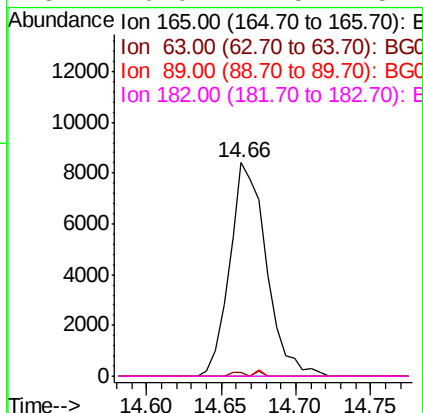
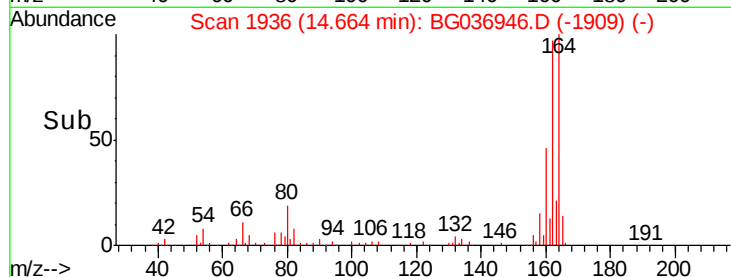
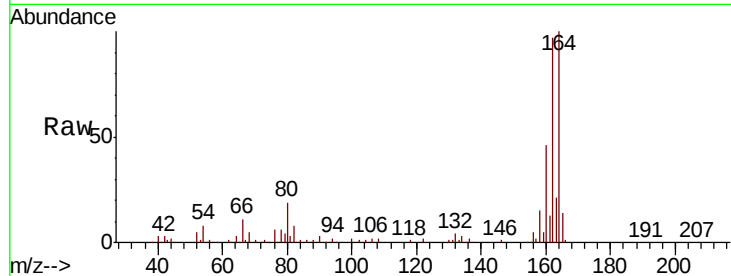




#56
 2,4-Dinitrotoluene
 Concen: 5.203 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG036946.D
 Acq: 25 Sep 2018 10:04

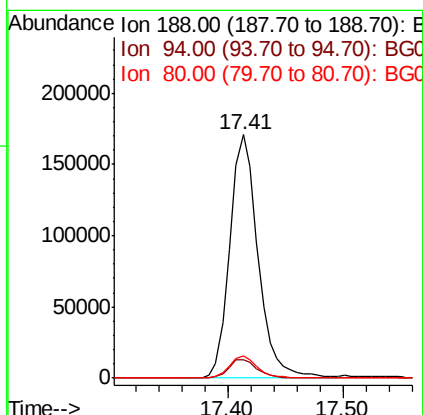
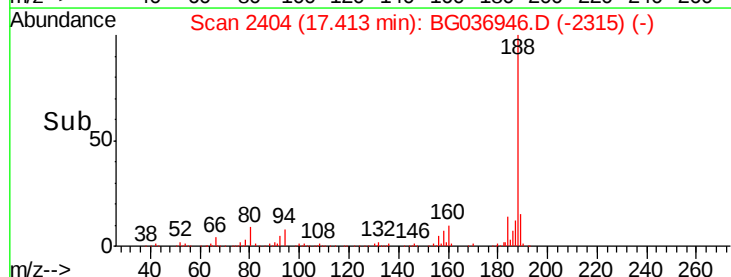
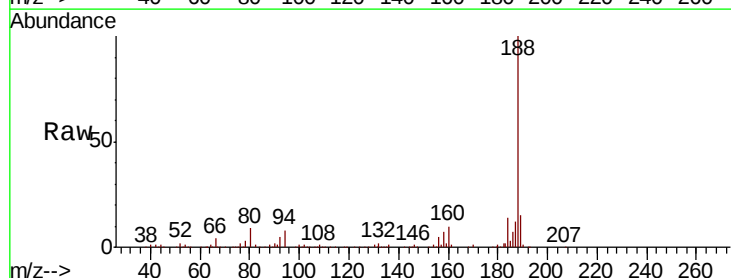
Instrument :
 BNA_G
 ClientSampleId :

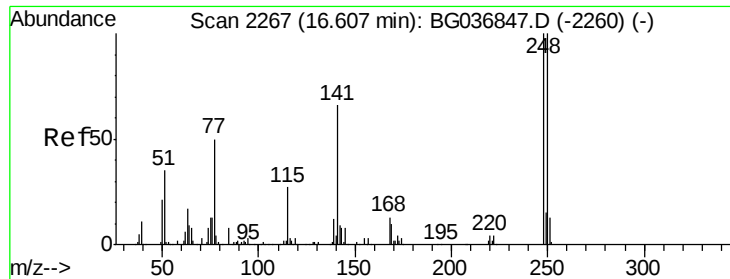
Tot Ion:165	Resp:	14387
Ion Ratio	Lower	Upper
165 100		
63 2.1	40.1	60.1#
89 0.0	63.7	95.5#
182 0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.00 min
 Lab File: BG036946.D
 Acq: 25 Sep 2018 10:04

Tgt Ion	188	Resp: Lower	290791 Upper
188	100		
94	7.8	6.7	10.1
80	9.0	8.1	12.1

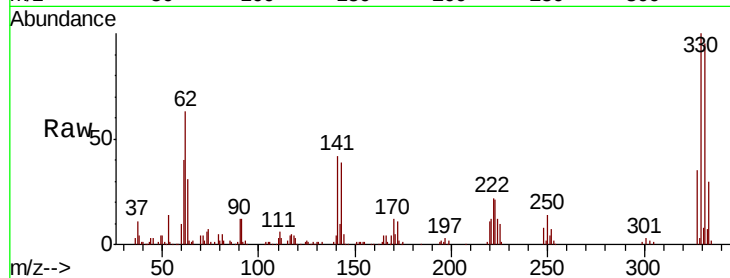




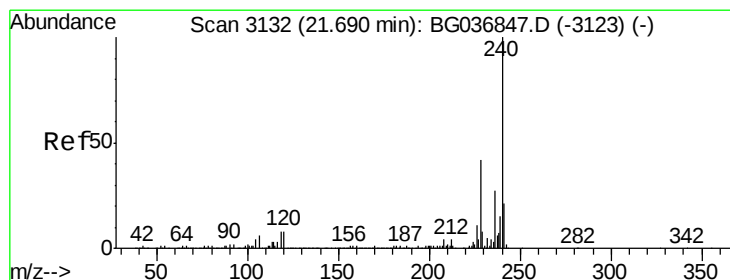
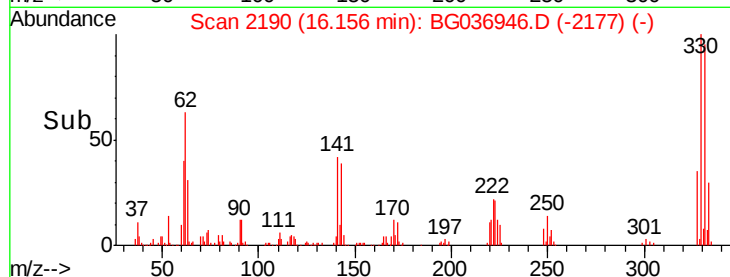
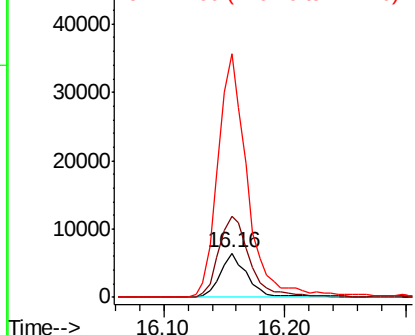
#66
 4-Bromophenyl-phenylether
 Concen: 3.054 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036946.D
 Acq: 25 Sep 2018 10:04

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 10102
 Ion Ratio Lower Upper
 248 100
 250 182.1 78.1 117.1#
 141 548.5 53.7 80.5#

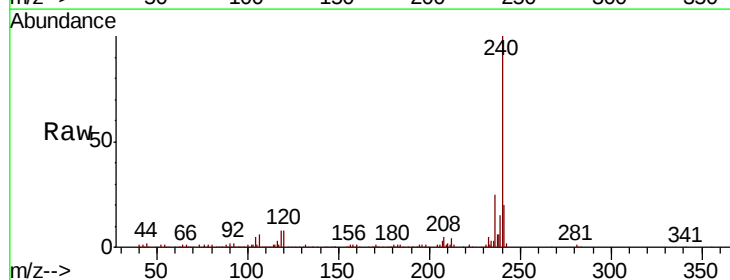


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

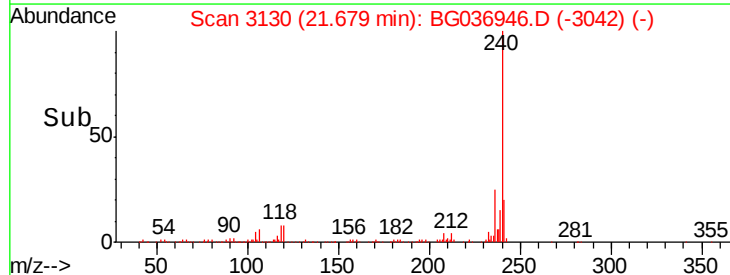
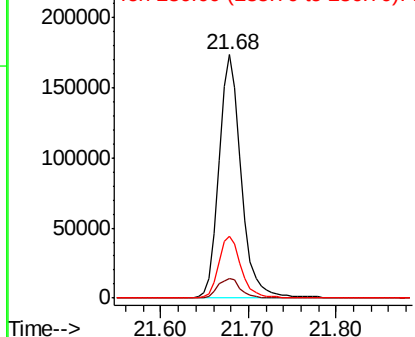


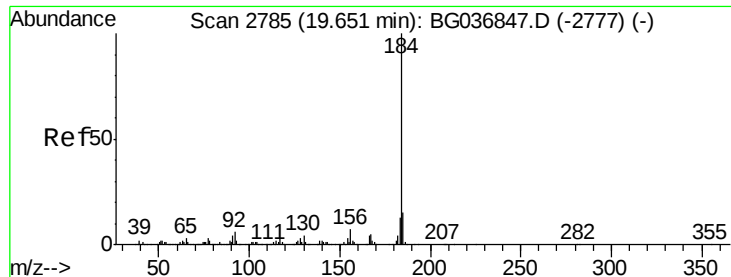
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036946.D
 Acq: 25 Sep 2018 10:04

Tgt Ion:240 Resp: 306067
 Ion Ratio Lower Upper
 240 100
 120 8.0 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: 2.305 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.37 min

Lab File: BG036946.D

Acq: 25 Sep 2018 10:04

Instrument :

BNA_G

ClientSampleId :

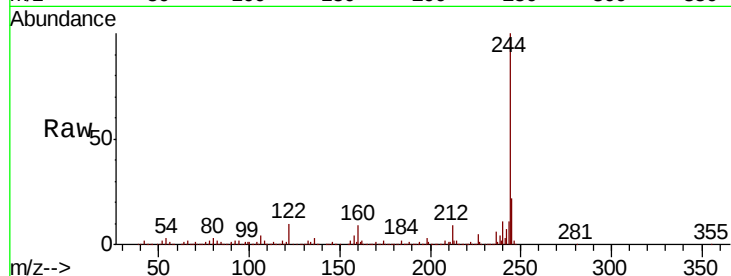
Tot Ion:184 Resp: 21330

Ion Ratio Lower Upper

184 100

185 13.8 12.6 18.8

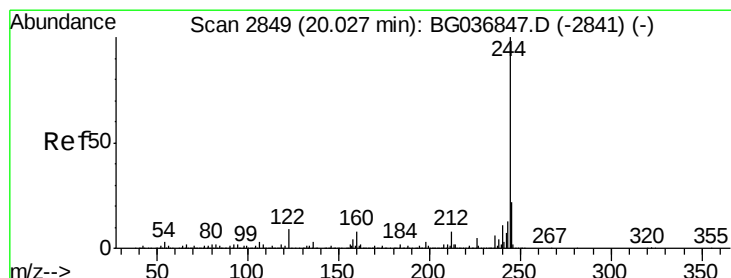
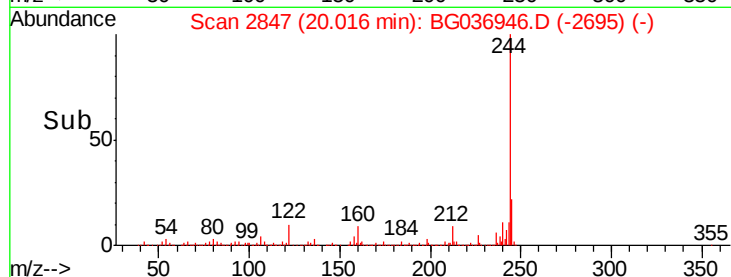
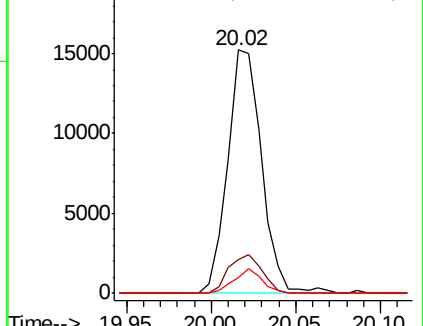
183 6.5 10.9 16.3#



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: 97.818 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG036946.D

Acq: 25 Sep 2018 10:04

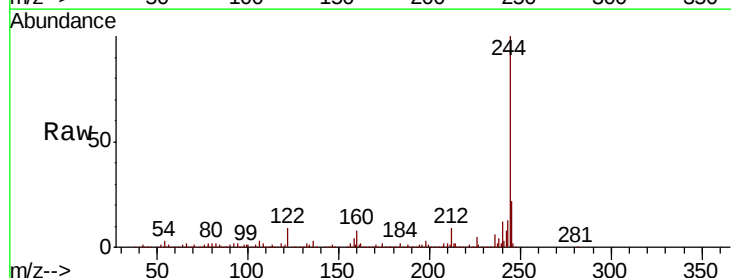
Tgt Ion:244 Resp: 1138577

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.6

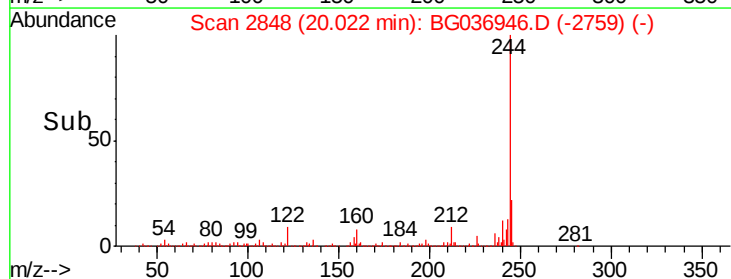
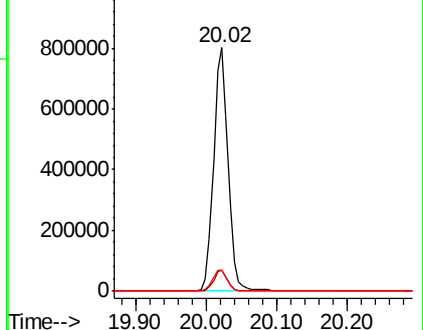
122 8.8 7.1 10.7

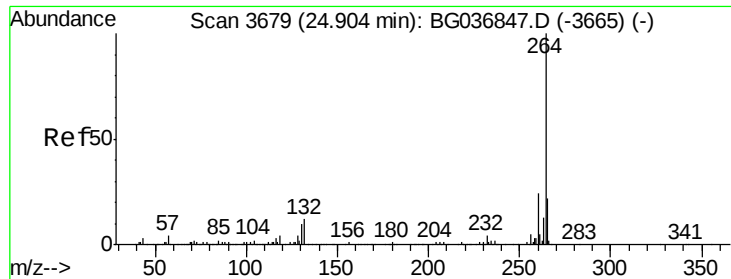


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.88 min Scan# 3675
 Delta R.T. -0.02 min
 Lab File: BG036946.D
 Acq: 25 Sep 2018 10:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.6	29.4
265	22.8	17.4	26.0

