

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092418\
 Data File : BG036945.D
 Acq On : 25 Sep 2018 9:25
 Operator : JU/SJ
 Sample : J5061-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 25 11:08:30 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

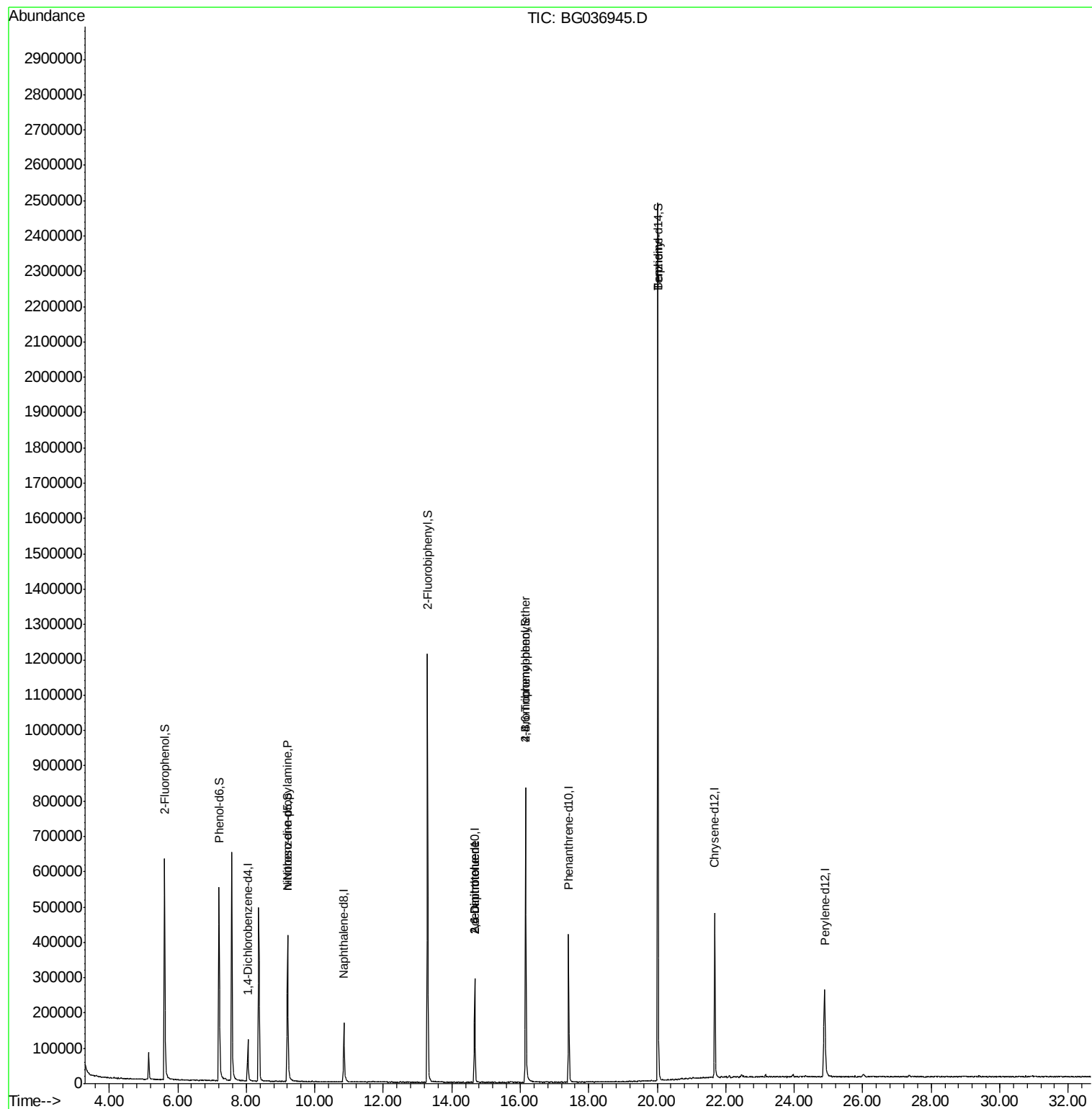
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	38164	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	162399	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	107837	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	294300	20.00	ng	0.00
75) Chrysene-d12	21.68	240	309413	20.00	ng	-0.01
86) Perylene-d12	24.89	264	300957	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	281763	141.59	ng	0.00
7) Phenol-d6	7.20	99	359121	116.64	ng	-0.01
23) Nitrobenzene-d5	9.20	82	292711	96.52	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	161705	125.33	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	658468	90.94	ng	0.00
78) Terphenyl-d14	20.02	244	1234025	104.87	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	38332	14.966	ng	# 76
50) 2,6-Dinitrotoluene	14.67	165	13546	7.153	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	13546	5.126	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	11046	3.300	ng	# 1
76) Benzidine	20.02	184	22044	2.357	ng	96

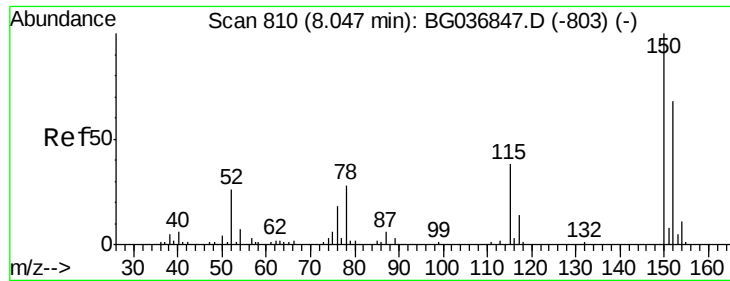
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



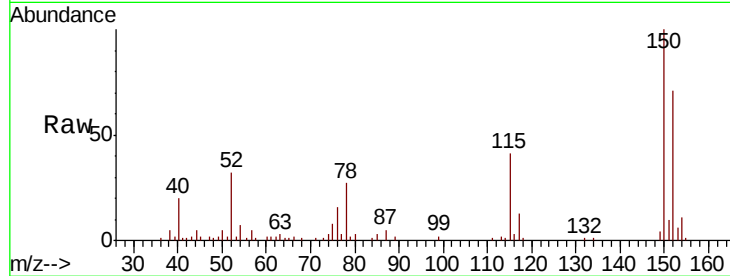


#1

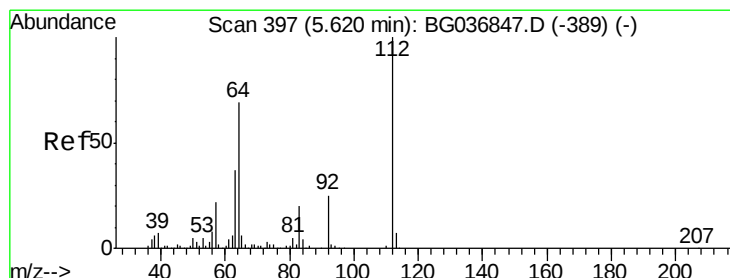
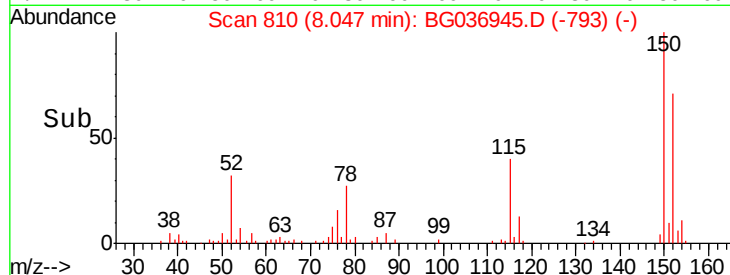
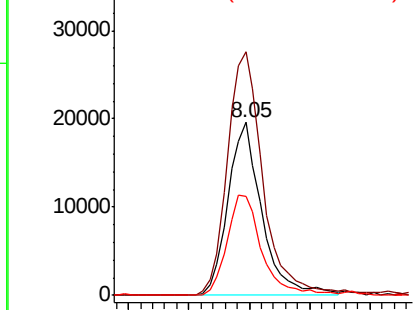
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. 0.00 min
Lab File: BG036945.D
Acq: 25 Sep 2018 9:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 38164
Ion Ratio Lower Upper
152 100
150 140.7 119.5 179.3
115 57.3 44.5 66.7



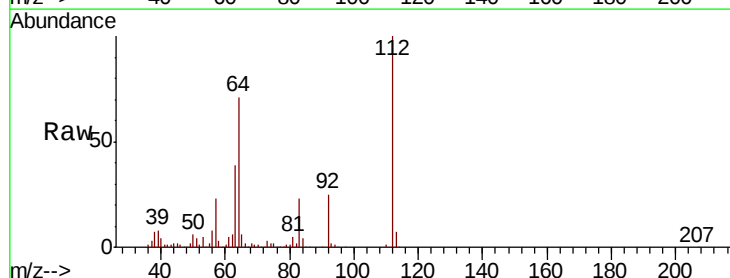
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



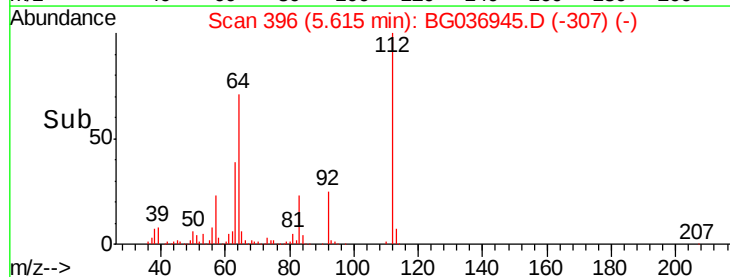
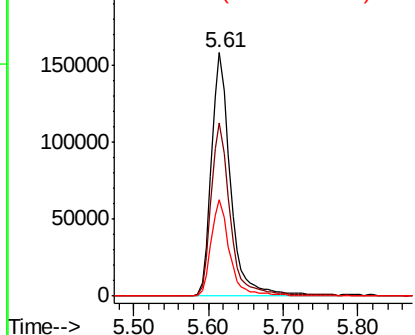
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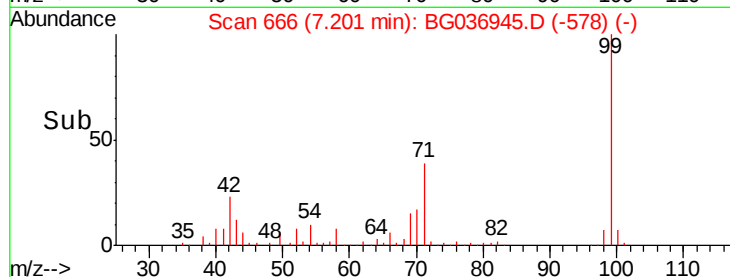
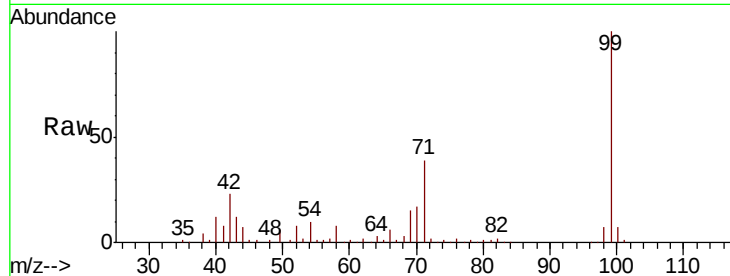
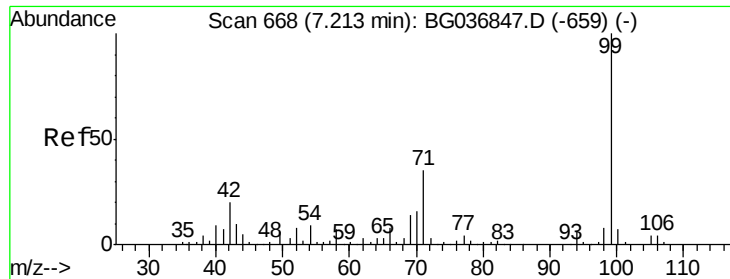
2-Fluorophenol
Concen: 141.589 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG036945.D
Acq: 25 Sep 2018 9:25

Tgt Ion:112 Resp: 281763
Ion Ratio Lower Upper
112 100
64 71.0 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: 116.640 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036945.D

Acq: 25 Sep 2018 9:25

Instrument :

BNA_G

ClientSampleId :

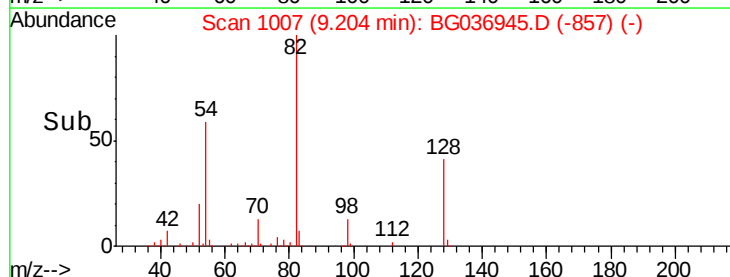
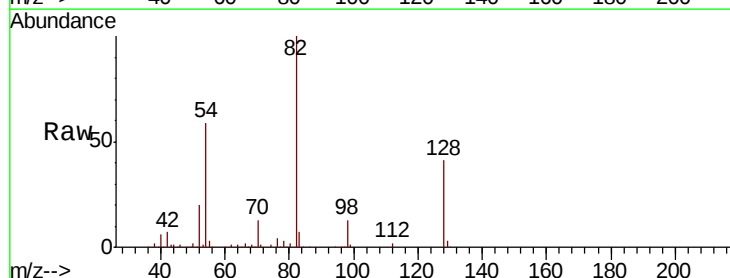
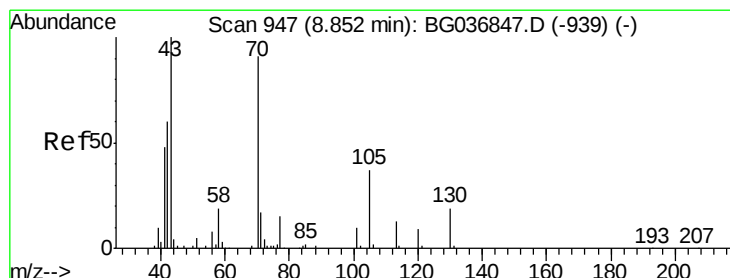
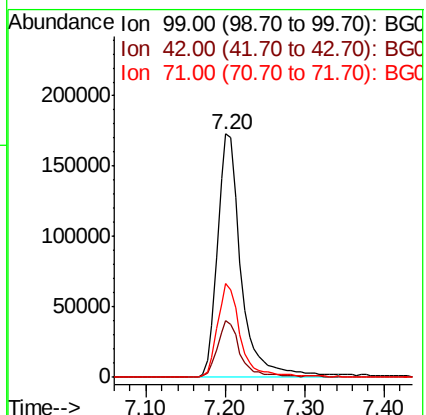
Tot Ion: 99 Resp: 359121

Ion Ratio Lower Upper

99 100

42 23.3 16.5 24.7

71 38.6 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.966 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036945.D

Acq: 25 Sep 2018 9:25

Tgt Ion: 70 Resp: 38332

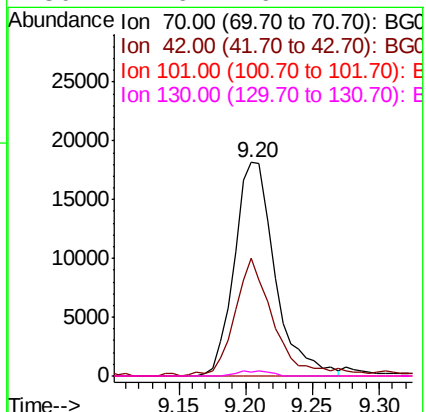
Ion Ratio Lower Upper

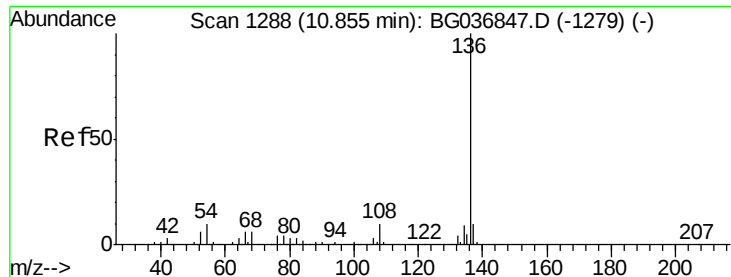
70 100

42 55.2 56.2 84.4#

101 0.0 7.8 11.6#

130 1.6 16.2 24.2#

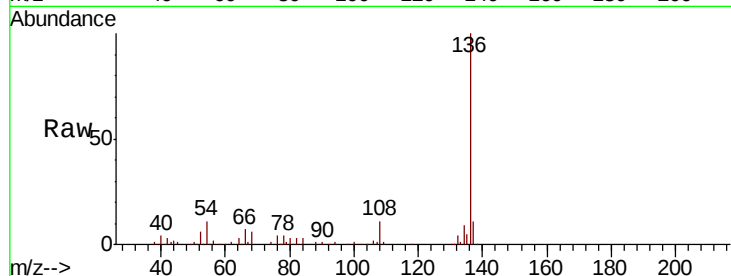




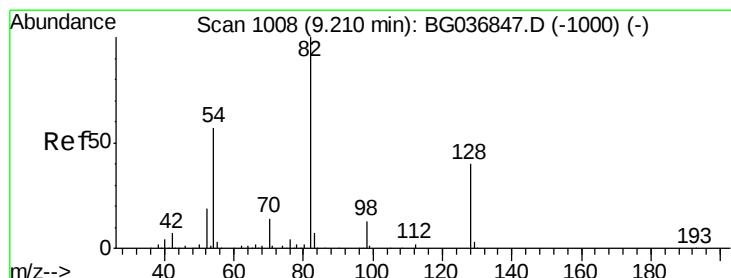
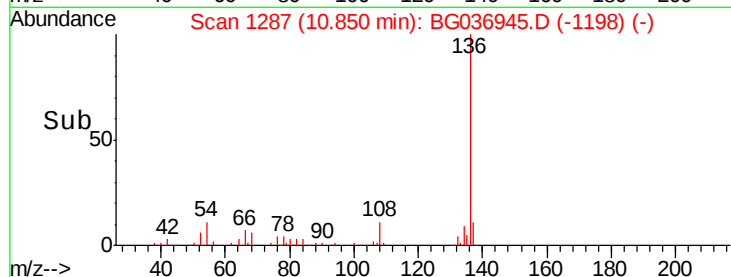
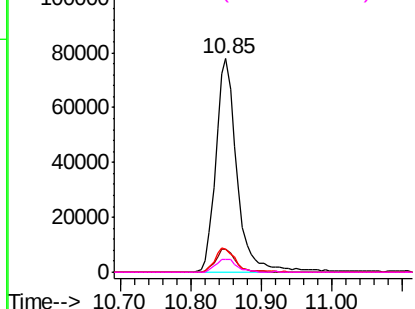
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036945.D
Acq: 25 Sep 2018 9:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	162399
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.8	13.2
54 10.8	9.2	13.8
68 6.1	5.8	8.6

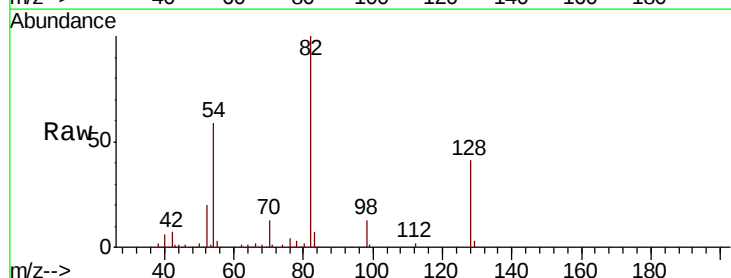


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

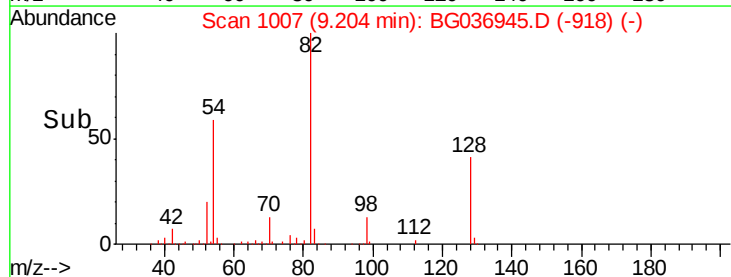
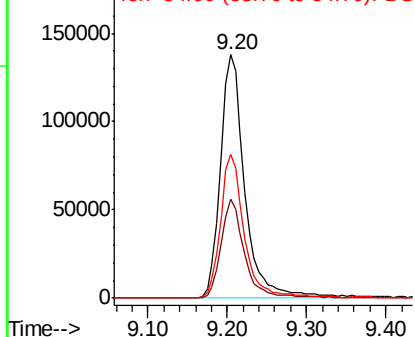


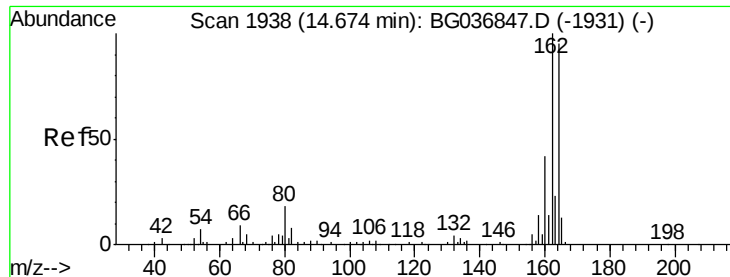
#23
Nitrobenzene-d5
Concen: 96.521 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036945.D
Acq: 25 Sep 2018 9:25

Tgt Ion: 82	Resp: 292711
Ion Ratio	Lower Upper
82 100	
128 40.5	33.3 49.9
54 58.9	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. -0.01 min

Lab File: BG036945.D

Acq: 25 Sep 2018 9:25

Instrument :

BNA_G

ClientSampleId :

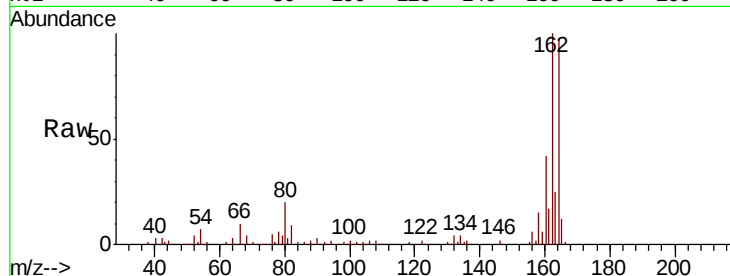
Tot Ion:164 Resp: 107837

Ion Ratio Lower Upper

164 100

162 102.9 80.7 121.1

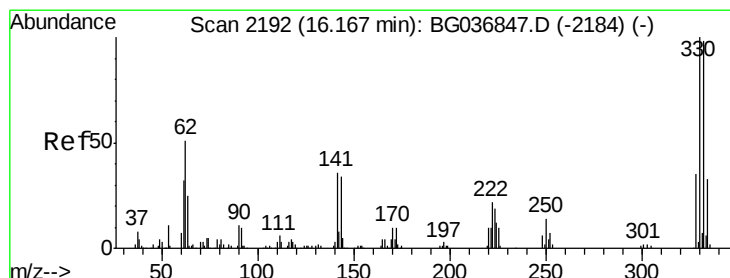
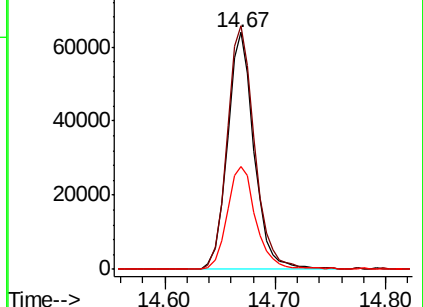
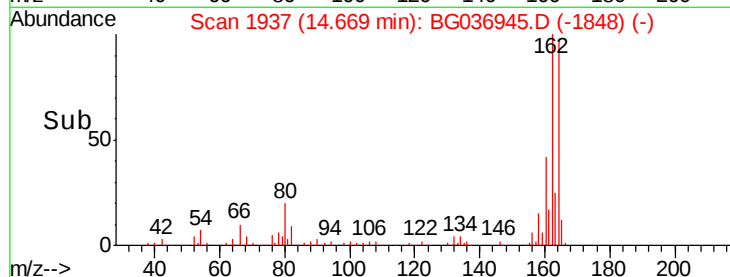
160 43.2 35.3 52.9



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: 125.333 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036945.D

Acq: 25 Sep 2018 9:25

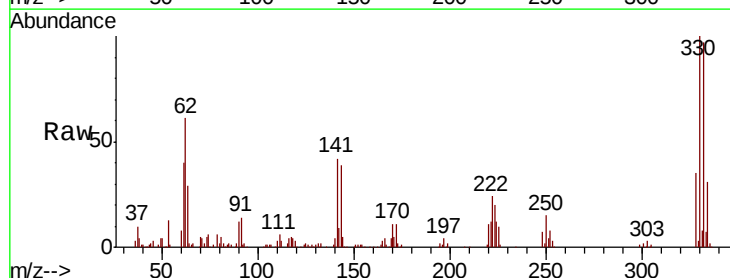
Tgt Ion:330 Resp: 161705

Ion Ratio Lower Upper

330 100

332 96.5 75.4 113.2

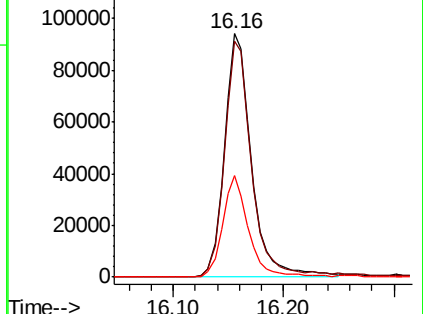
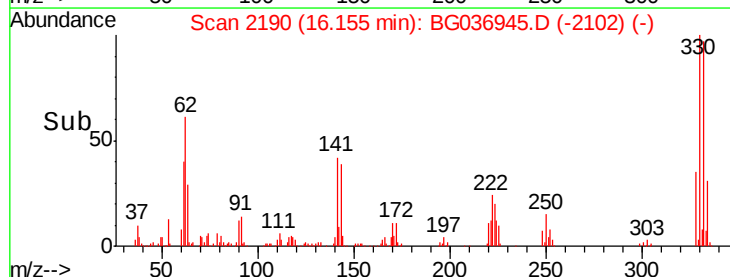
141 39.8 30.7 46.1

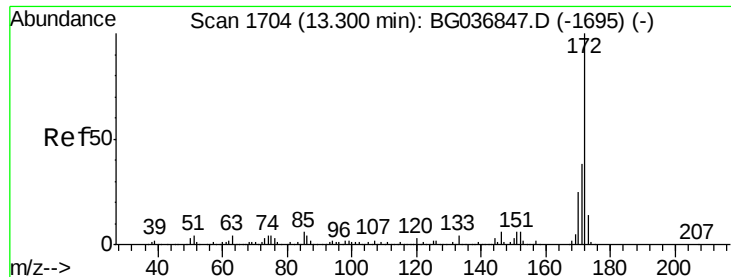


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

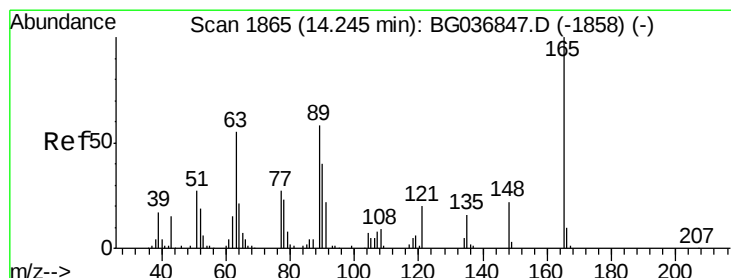
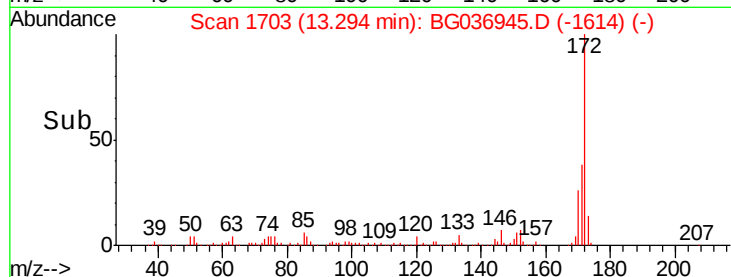
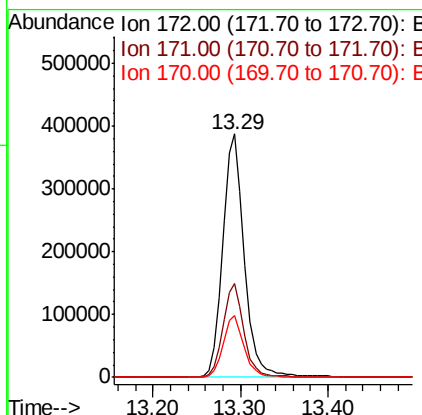
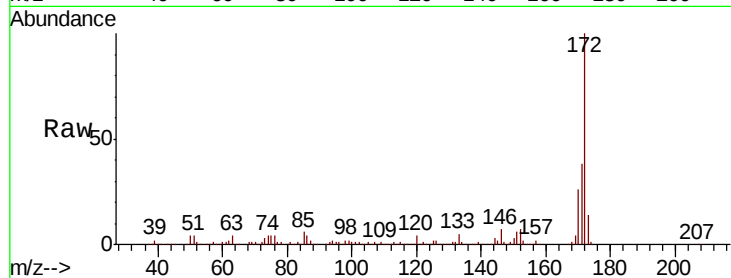




#44
 2-Fluorobiphenyl
 Concen: 90.944 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036945.D
 Acq: 25 Sep 2018 9:25

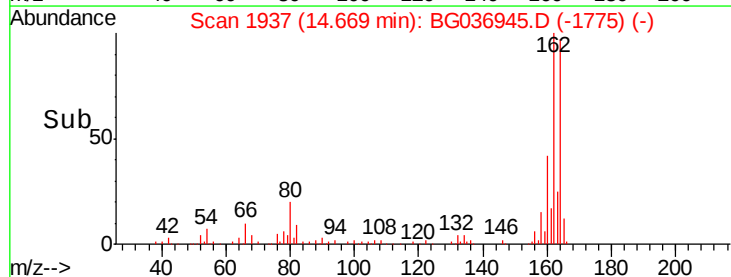
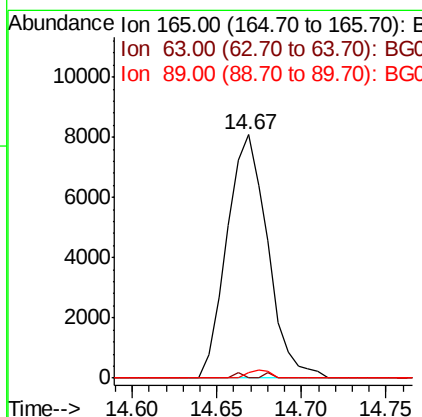
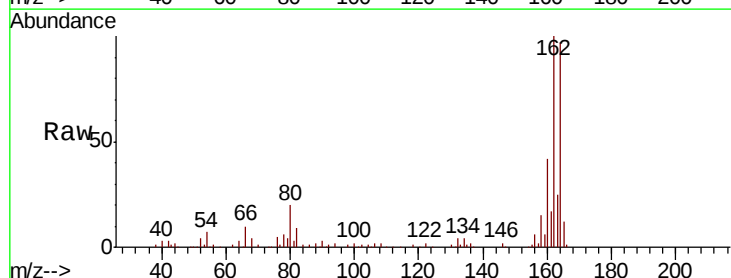
Instrument :
 BNA_G
 ClientSampled :

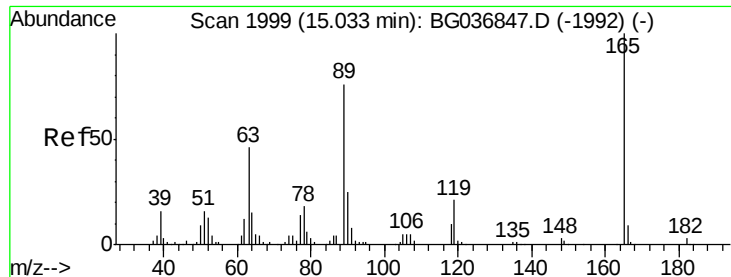
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.3	46.9
170	25.6	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.153 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG036945.D
 Acq: 25 Sep 2018 9:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	2.4	47.8	71.6#

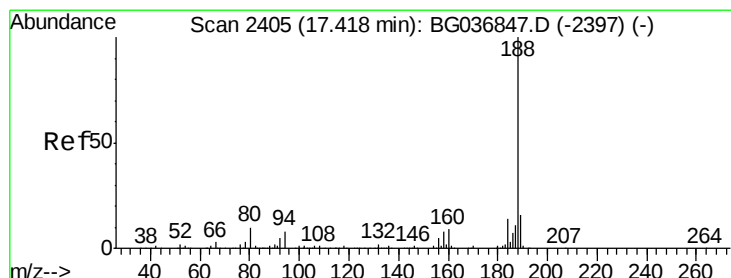
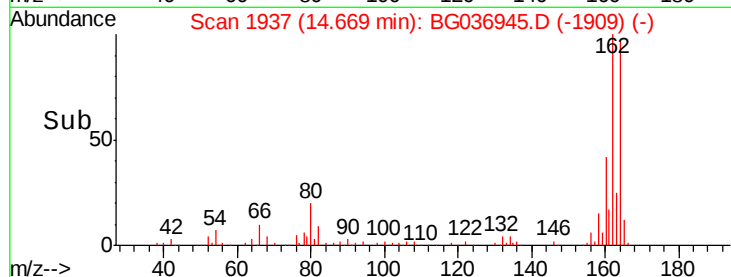
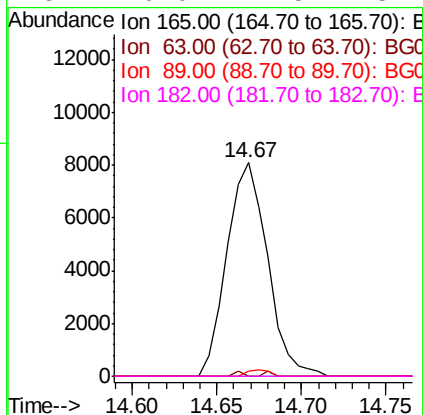
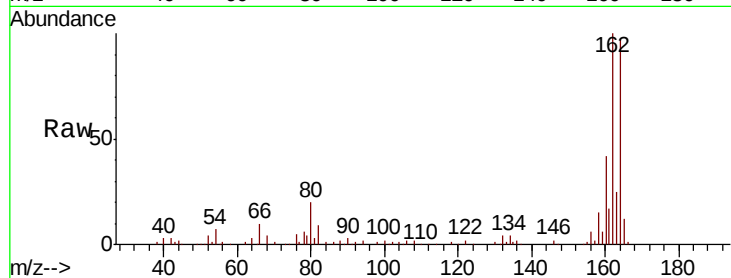




#56
 2,4-Dinitrotoluene
 Concen: 5.126 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036945.D
 Acq: 25 Sep 2018 9:25

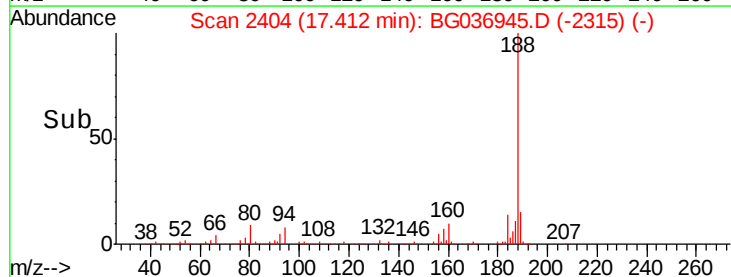
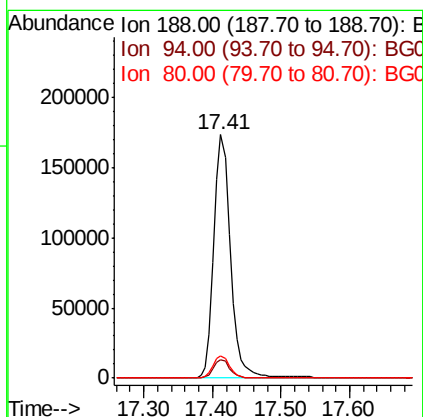
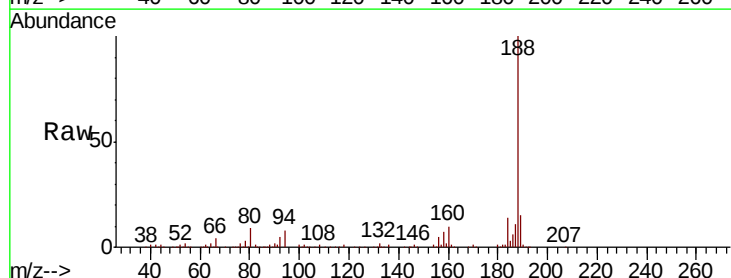
Instrument :
 BNA_G
 ClientSampleId :

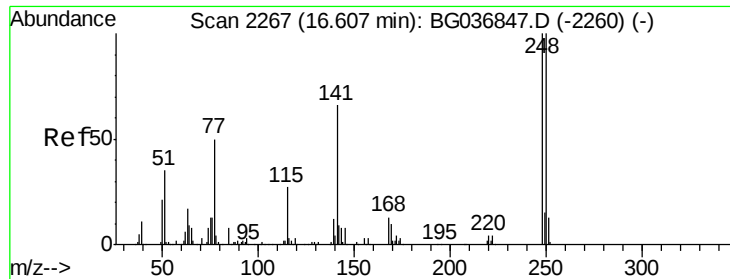
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.4	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG036945.D
 Acq: 25 Sep 2018 9:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	9.0	8.1	12.1

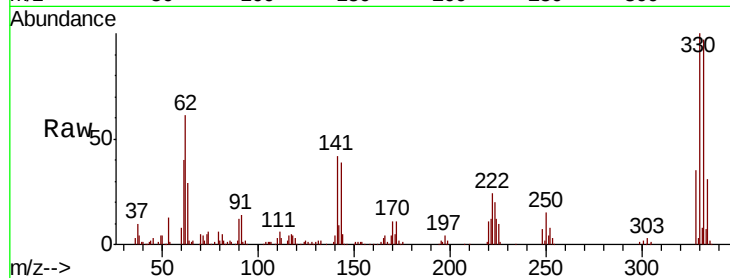




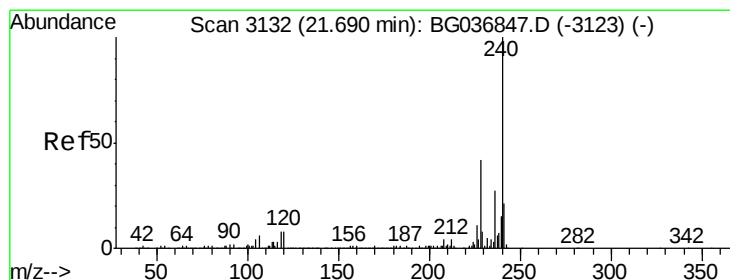
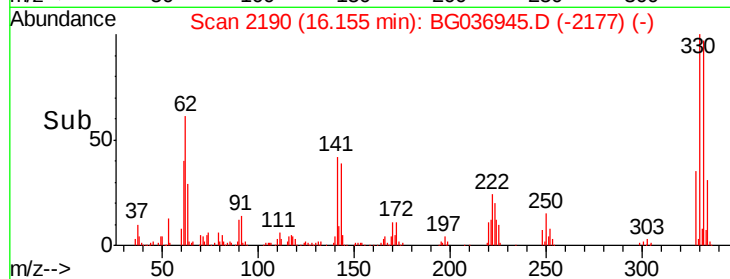
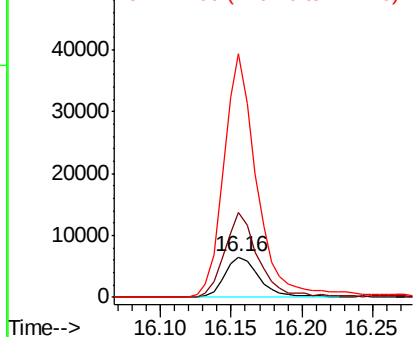
#66
 4-Bromophenyl-phenylether
 Concen: 3.300 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036945.D
 Acq: 25 Sep 2018 9:25

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion:248 Resp: 11046
 Ion Ratio Lower Upper
 248 100
 250 208.6 78.1 117.1#
 141 598.8 53.7 80.5#

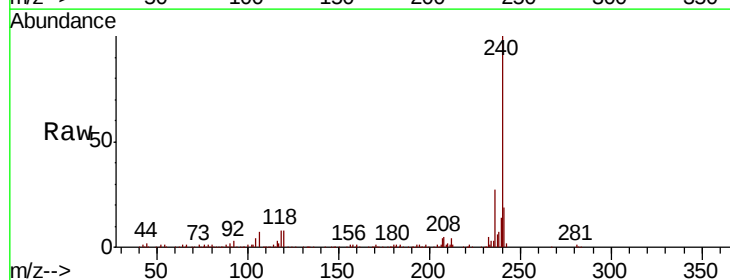


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

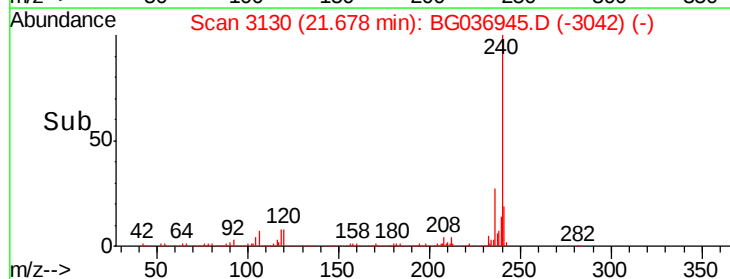
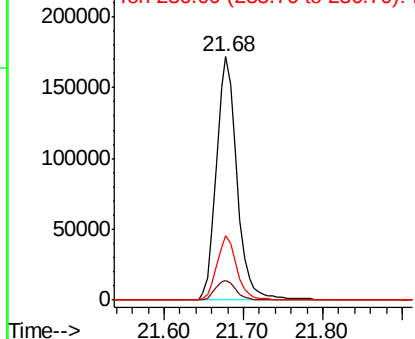


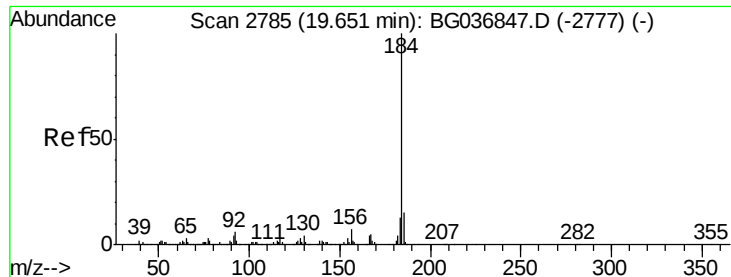
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036945.D
 Acq: 25 Sep 2018 9:25

Tgt Ion:240 Resp: 309413
 Ion Ratio Lower Upper
 240 100
 120 8.1 6.9 10.3
 236 26.5 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: 2.357 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036945.D

Acq: 25 Sep 2018 9:25

Instrument :

BNA_G

ClientSampleId :

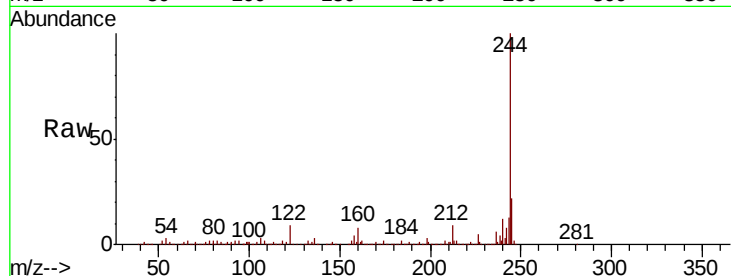
Tot Ion:184 Resp: 22044

Ion Ratio Lower Upper

184 100

185 16.8 12.6 18.8

183 11.2 10.9 16.3

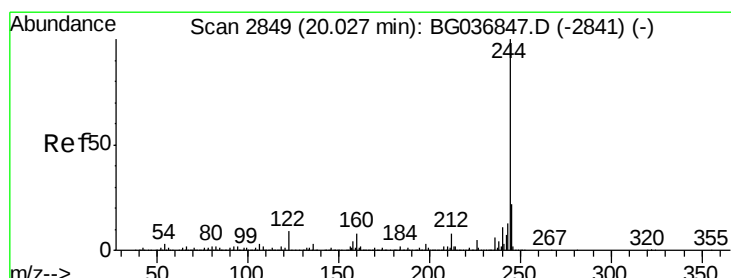
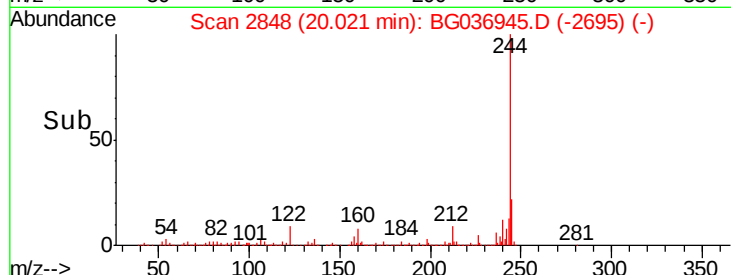
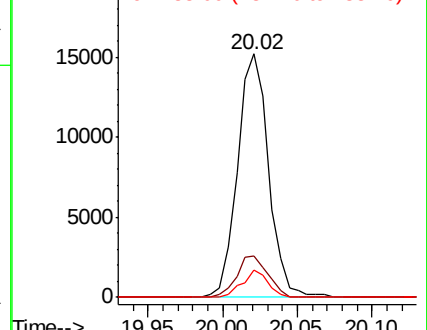


Abundance

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: 104.871 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036945.D

Acq: 25 Sep 2018 9:25

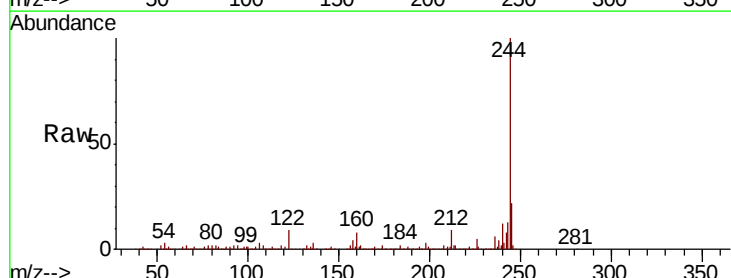
Tgt Ion:244 Resp: 1234025

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

122 9.0 7.1 10.7

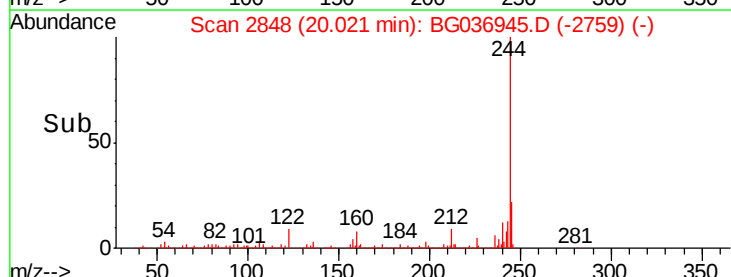
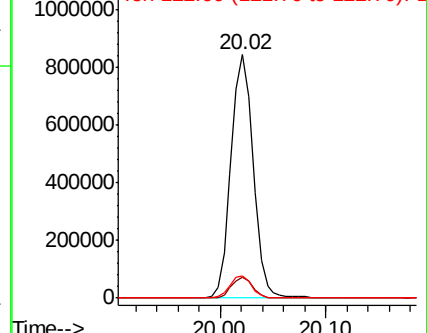


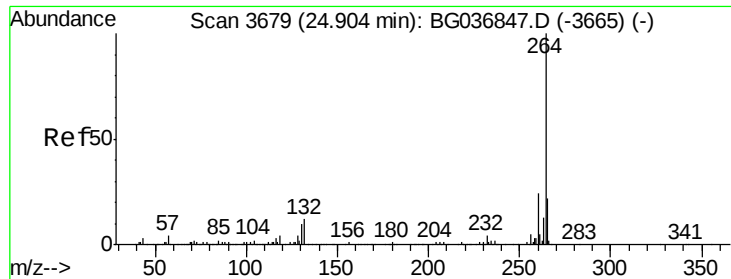
Abundance

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: BG036945.D
 Acq: 25 Sep 2018 9:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	21.0	17.4	26.0

