

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\
 Data File : BG037013.D
 Acq On : 27 Sep 2018 12:02
 Operator : JU/SJ
 Sample : J4773-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 27 13:12:56 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

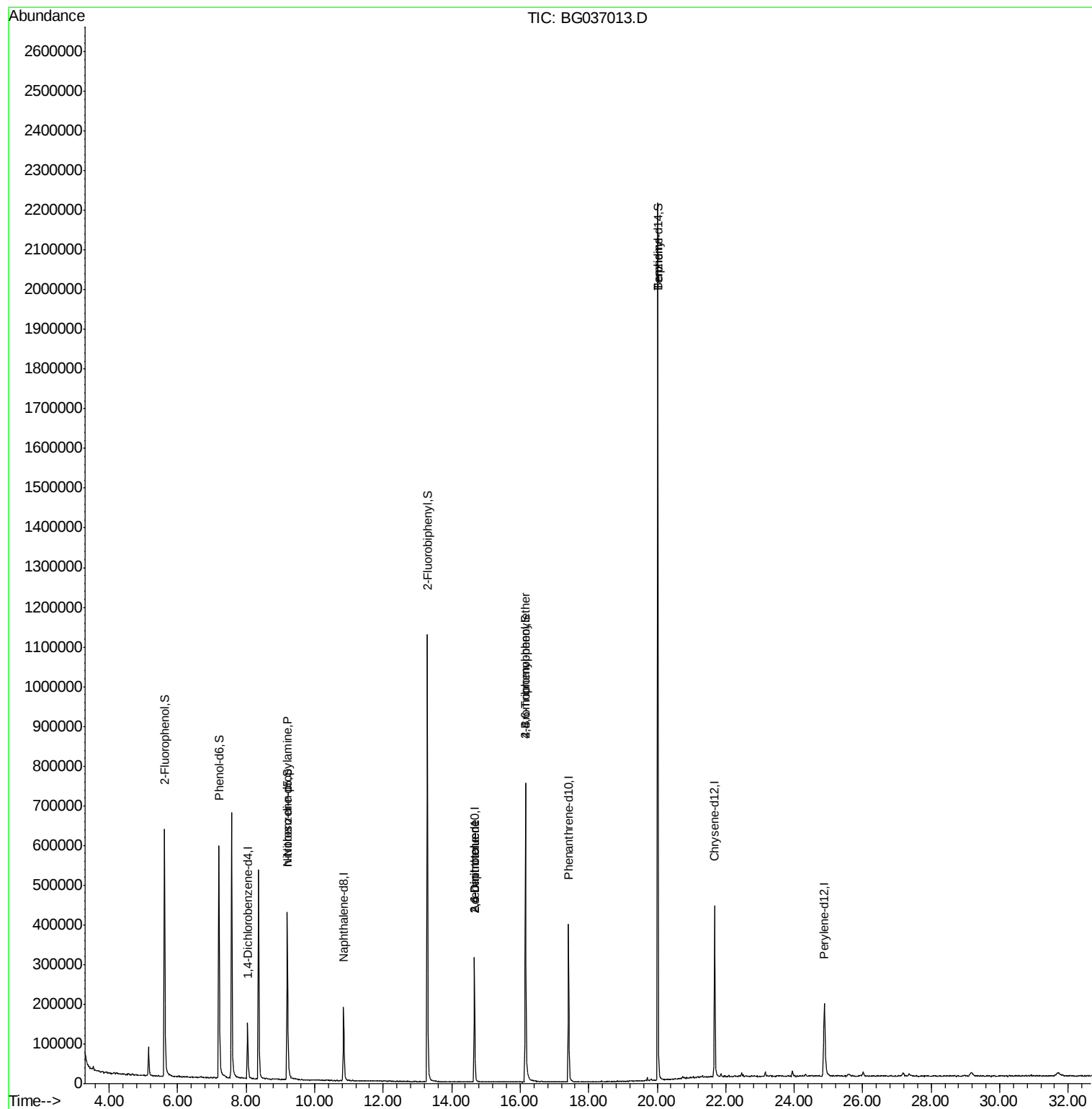
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	45330	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	183734	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	114095	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	283201	20.00	ng	0.00
75) Chrysene-d12	21.67	240	294869	20.00	ng	-0.02
86) Perylene-d12	24.88	264	219686	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	294311	124.51	ng	0.00
7) Phenol-d6	7.20	99	375504	102.68	ng	0.00
23) Nitrobenzene-d5	9.20	82	303547	88.47	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	156502	114.65	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	636613	83.10	ng	0.00
78) Terphenyl-d14	20.02	244	1100358	98.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	40462	13.300	ng	# 73
50) 2,6-Dinitrotoluene	14.66	165	15034	7.503	ng	# 21
56) 2,4-Dinitrotoluene	14.66	165	15034	5.377	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	11315	3.513	ng	# 1
76) Benzidine	20.02	184	19286	2.164	ng	# 94

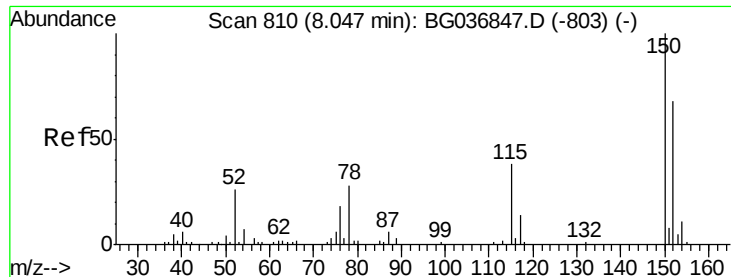
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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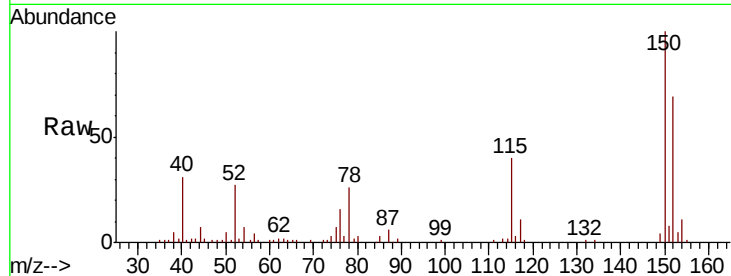


#1

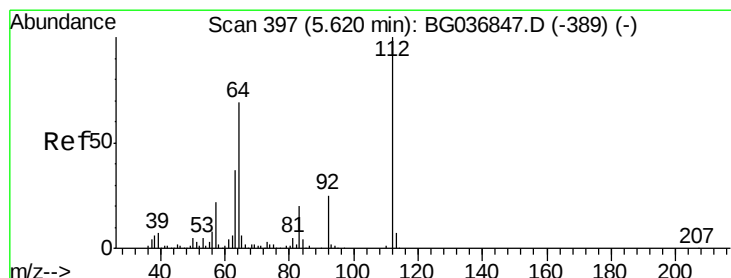
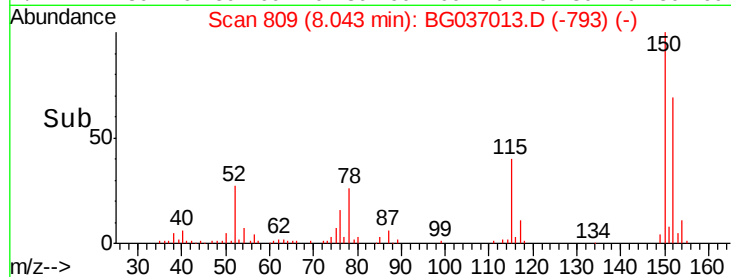
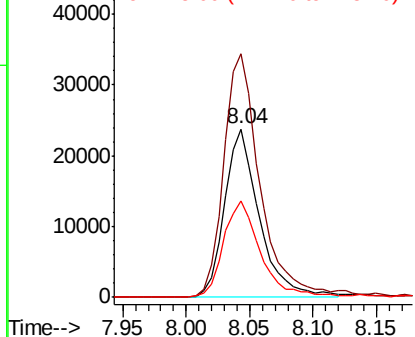
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG037013.D
Acq: 27 Sep 2018 12:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 45330
Ion Ratio Lower Upper
152 100
150 144.3 119.5 179.3
115 57.3 44.5 66.7



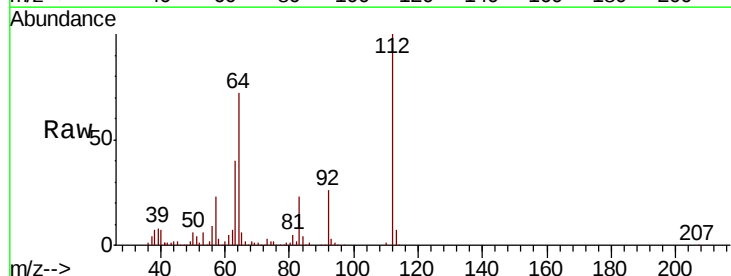
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



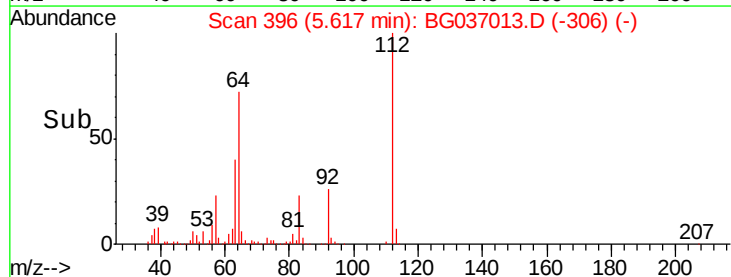
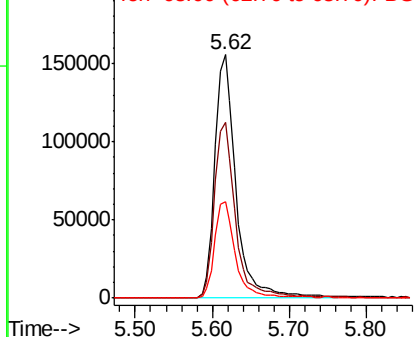
#5

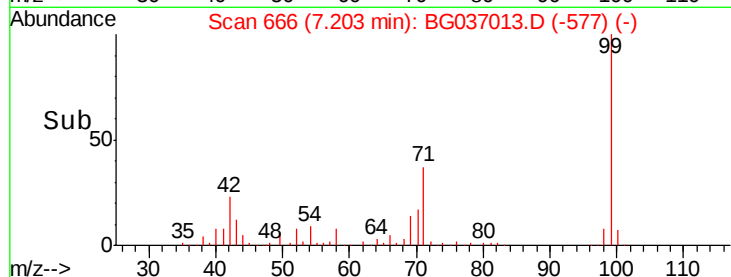
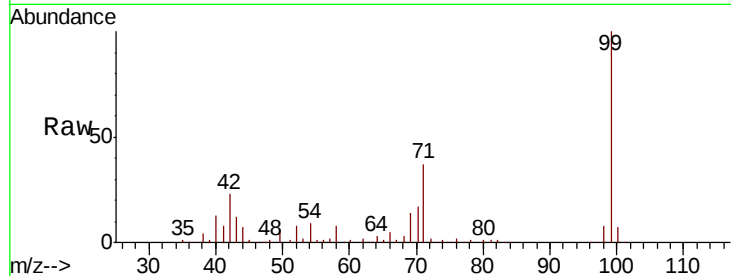
2-Fluorophenol
Concen: 124.515 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG037013.D
Acq: 27 Sep 2018 12:02

Tgt Ion:112 Resp: 294311
Ion Ratio Lower Upper
112 100
64 72.2 57.2 85.8
63 39.7 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 102.681 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037013.D

Acq: 27 Sep 2018 12:02

Instrument :

BNA_G

ClientSampled :

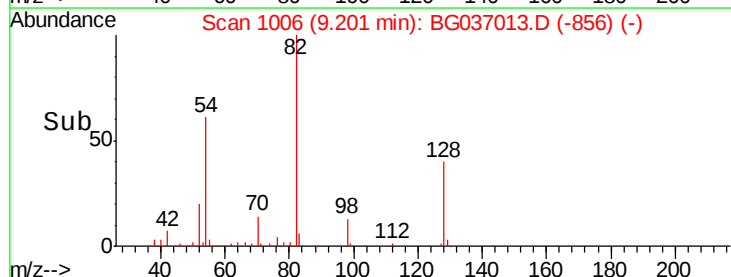
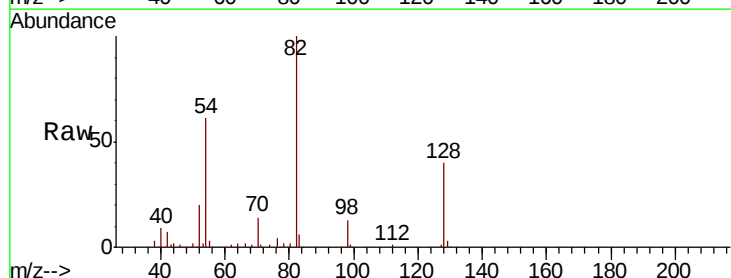
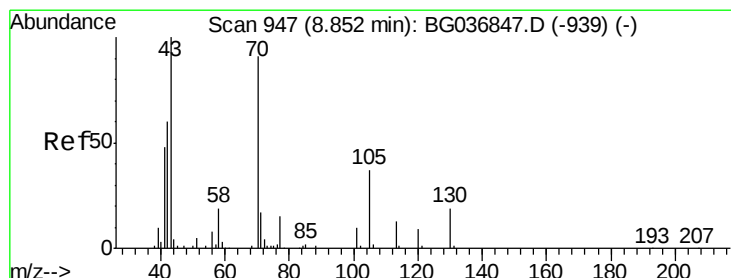
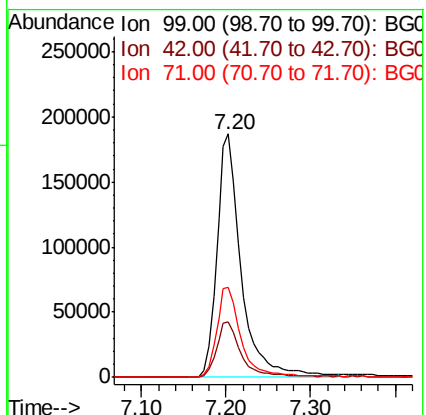
Tot Ion: 99 Resp: 375504

Ion Ratio Lower Upper

99 100

42 22.9 16.5 24.7

71 36.9 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.300 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037013.D

Acq: 27 Sep 2018 12:02

Tgt Ion: 70 Resp: 40462

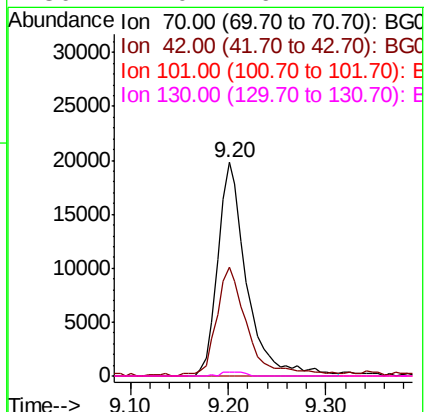
Ion Ratio Lower Upper

70 100

42 51.0 56.2 84.4#

101 0.0 7.8 11.6#

130 2.0 16.2 24.2#

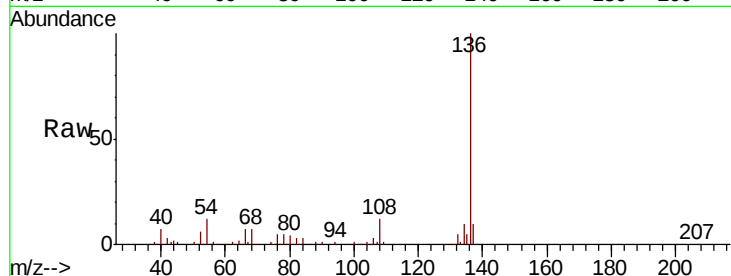




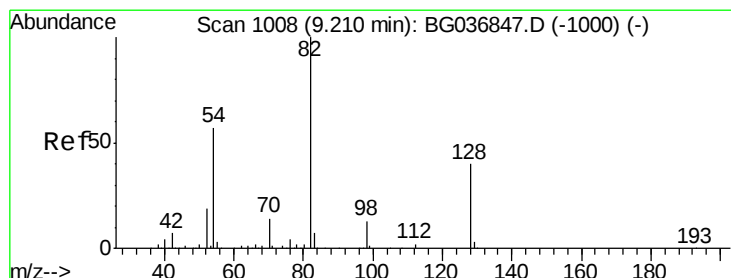
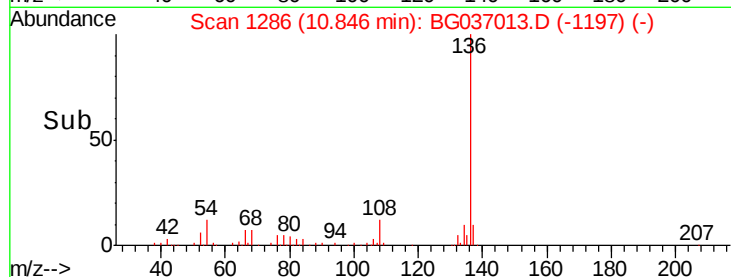
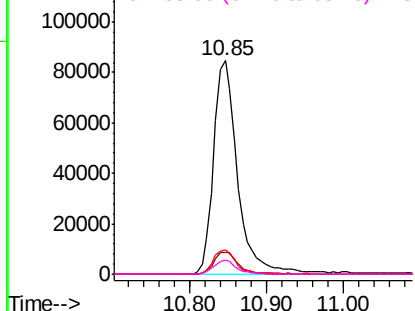
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037013.D
Acq: 27 Sep 2018 12:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	183734
Ion Ratio	Lower	Upper
136 100		
137 10.3	8.8	13.2
54 11.7	9.2	13.8
68 6.7	5.8	8.6

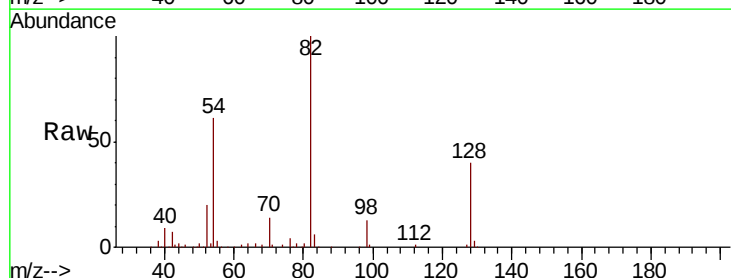


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

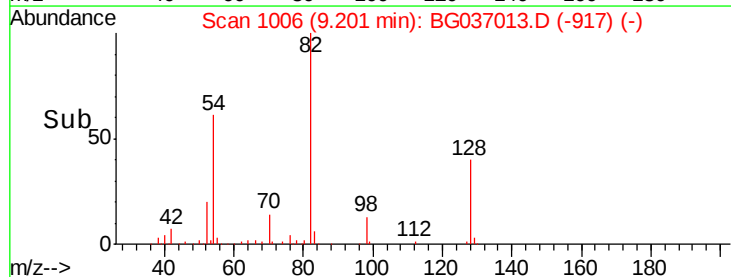
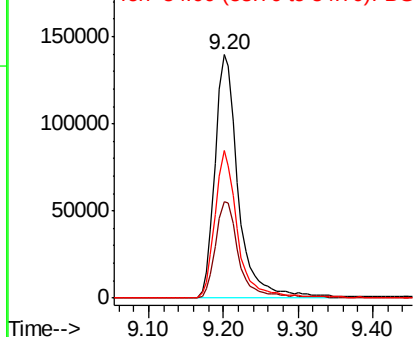


#23
Nitrobenzene-d5
Concen: 88.472 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037013.D
Acq: 27 Sep 2018 12:02

Tgt Ion: 82	Resp: 303547
Ion Ratio	Lower Upper
82 100	
128 39.8	33.3 49.9
54 60.8	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: 14.66 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG037013.D

Acq: 27 Sep 2018 12:02

Instrument :

BNA_G

ClientSampleId :

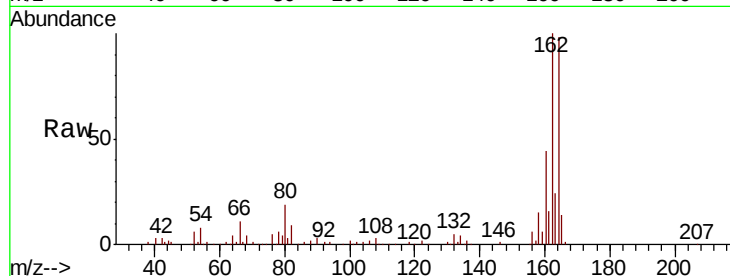
Tot Ion:164 Resp: 114095

Ion Ratio Lower Upper

164 100

162 101.7 80.7 121.1

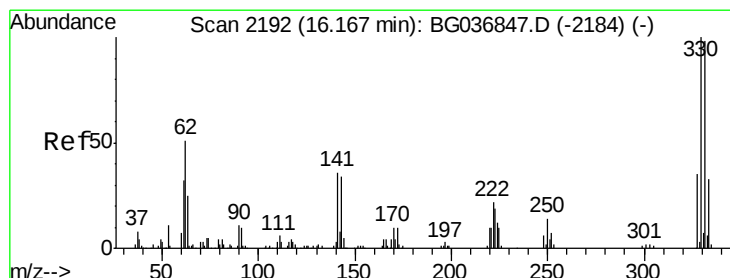
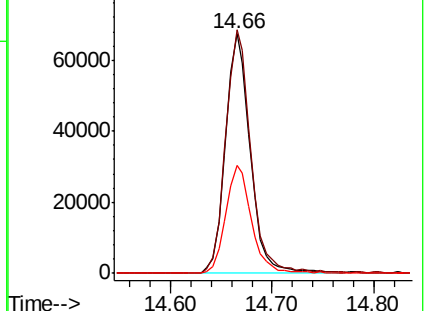
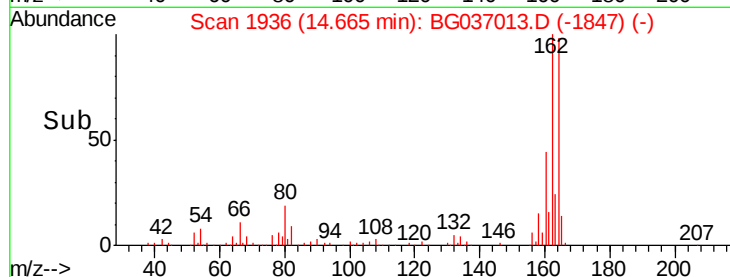
160 45.0 35.3 52.9



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: 114.647 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037013.D

Acq: 27 Sep 2018 12:02

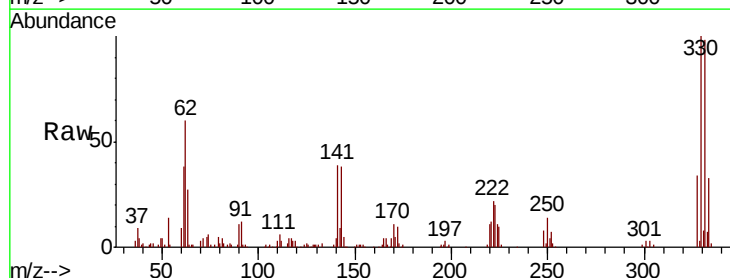
Tgt Ion:330 Resp: 156502

Ion Ratio Lower Upper

330 100

332 96.3 75.4 113.2

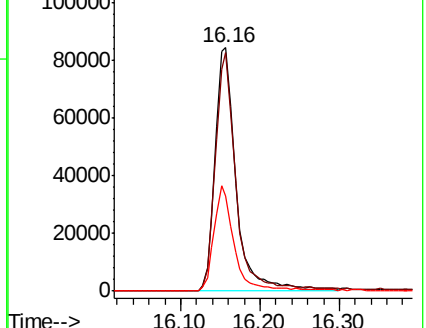
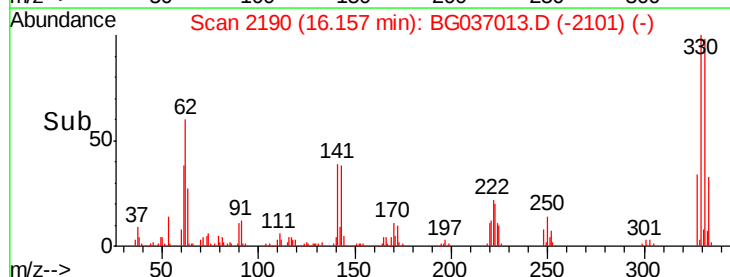
141 40.5 30.7 46.1



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

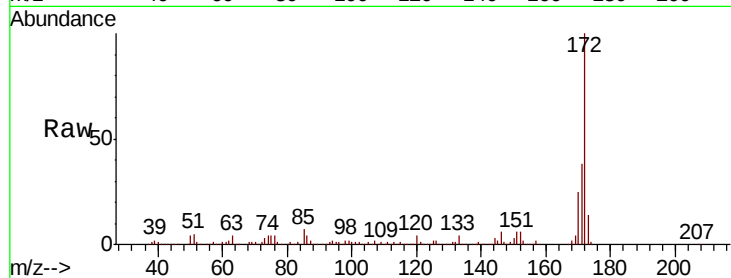




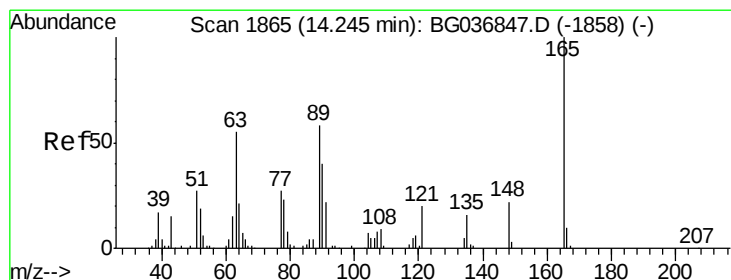
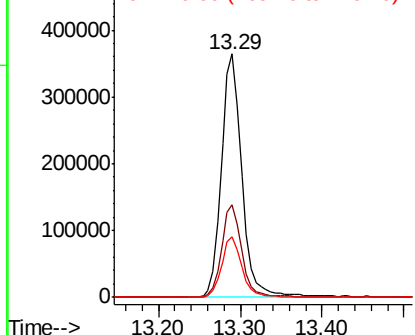
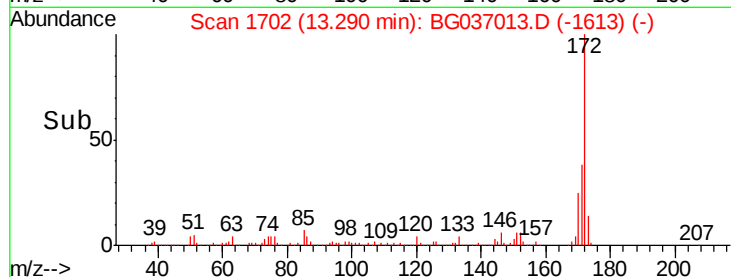
#44
 2-Fluorobiphenyl
 Concen: 83.103 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037013.D
 Acq: 27 Sep 2018 12:02

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.3	46.9
170	24.7	21.0	31.6

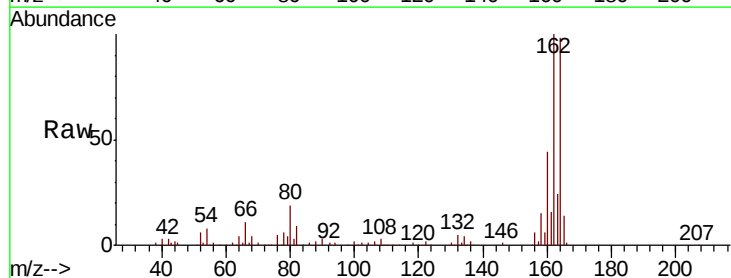


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

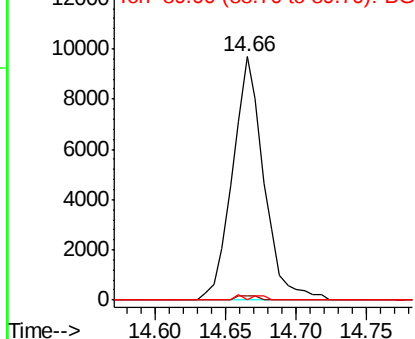
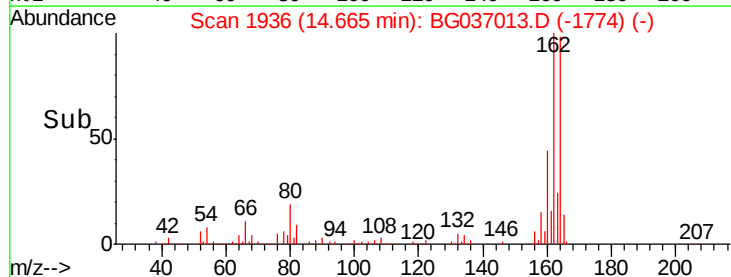


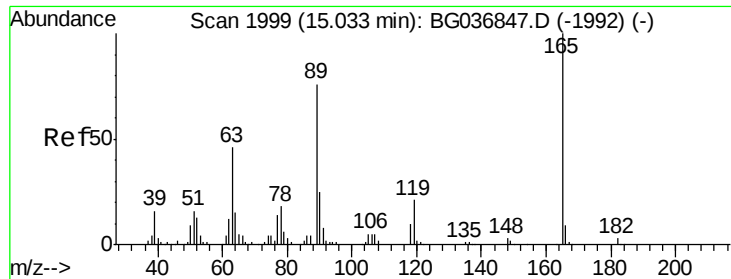
#50
 2,6-Dinitrotoluene
 Concen: 7.503 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037013.D
 Acq: 27 Sep 2018 12:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	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): BGC
 Ion 89.00 (88.70 to 89.70): BGC

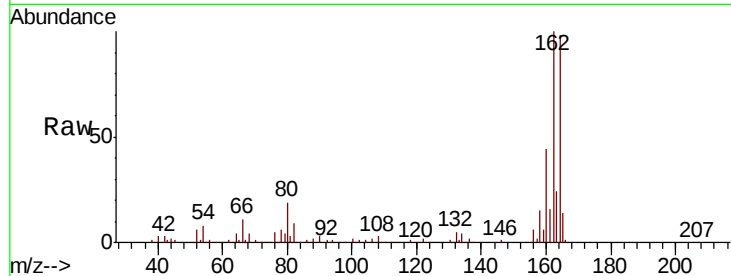




#56
 2,4-Dinitrotoluene
 Concen: 5.377 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037013.D
 Acq: 27 Sep 2018 12:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#

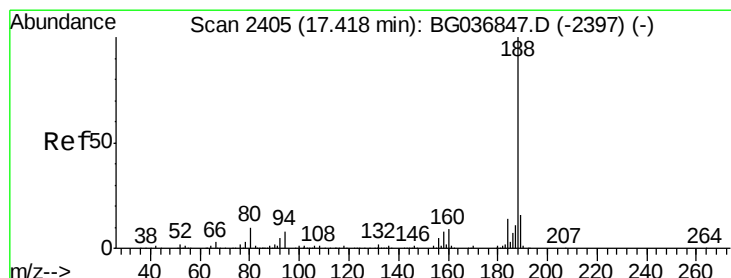
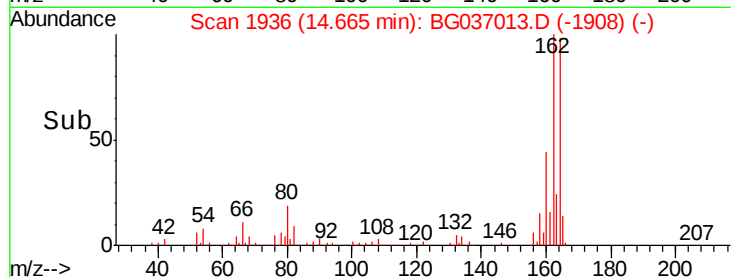
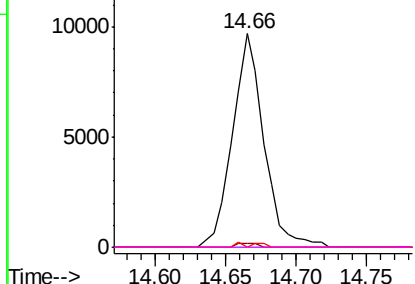


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

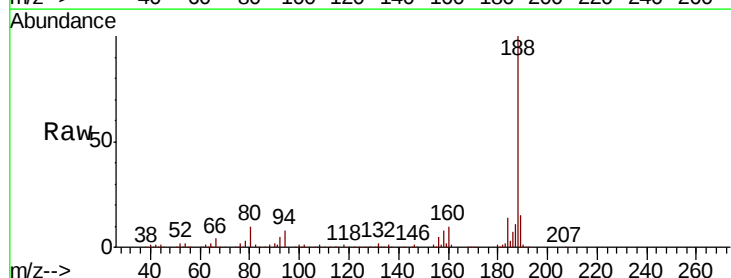
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2403
 Delta R.T. -0.01 min
 Lab File: BG037013.D
 Acq: 27 Sep 2018 12:02

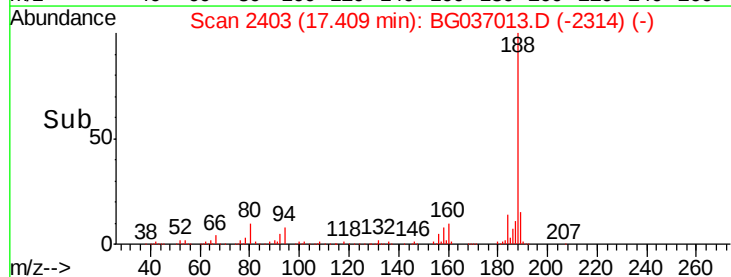
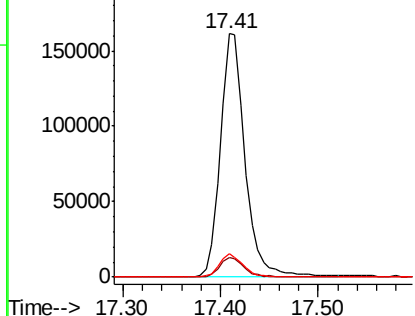
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	9.7	8.1	12.1



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

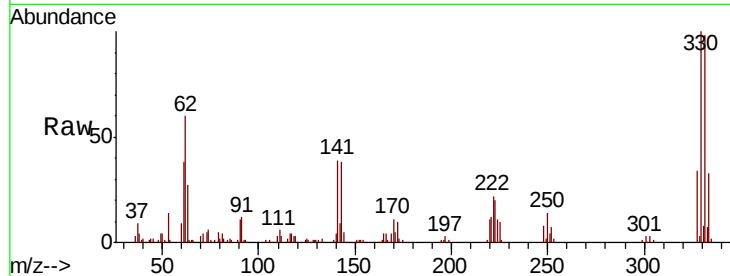




#66
 4-Bromophenyl-phenylether
 Concen: 3.513 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG037013.D
 Acq: 27 Sep 2018 12:02

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	177.1	78.1	117.1#
141	508.2	53.7	80.5#

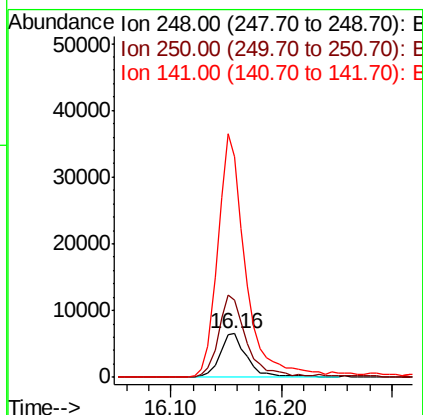
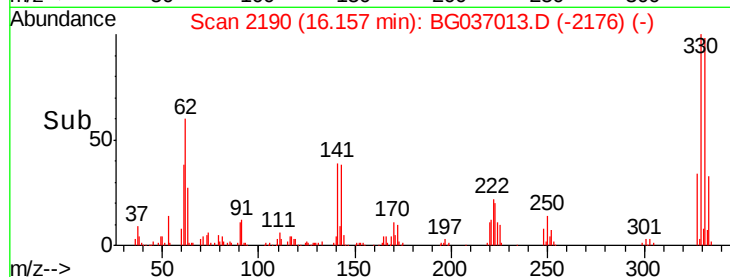


Abundance

Ion 248.00 (247.70 to 248.70): E

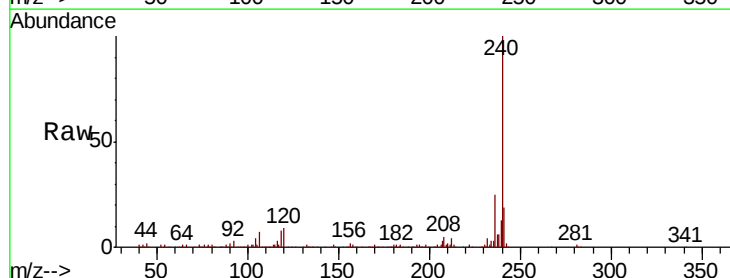
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.02 min
 Lab File: BG037013.D
 Acq: 27 Sep 2018 12:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.9	10.3
236	25.0	21.2	31.8

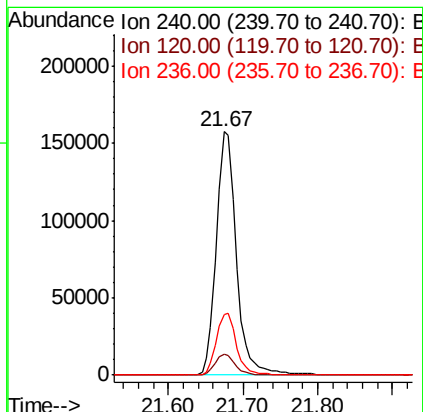
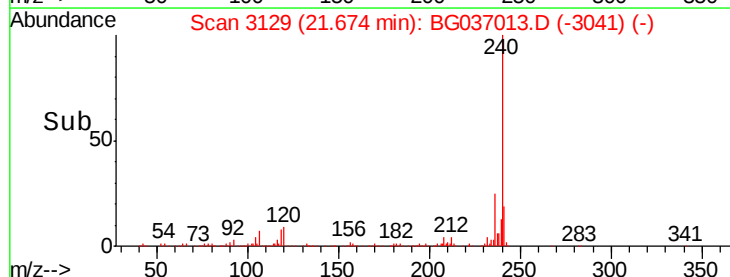


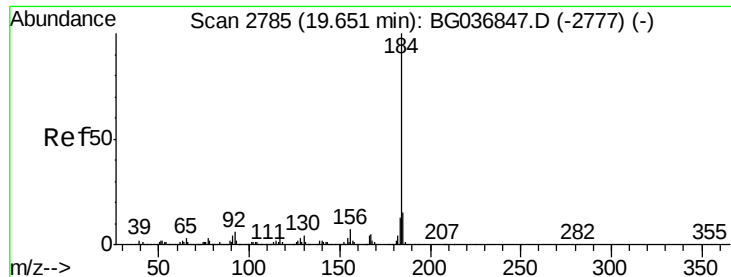
Abundance

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

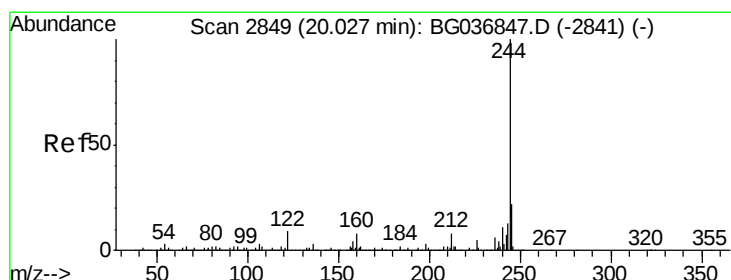
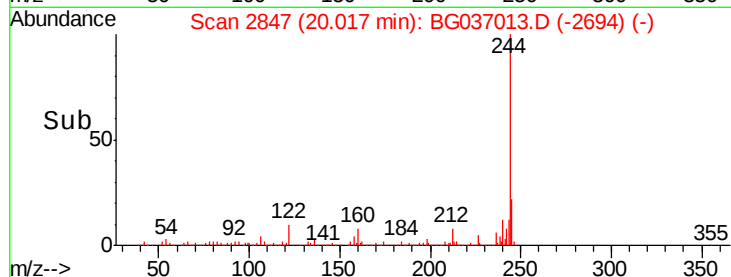
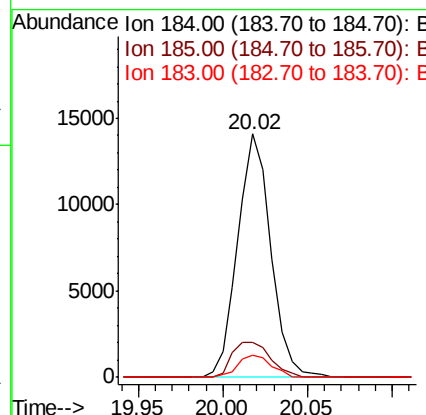
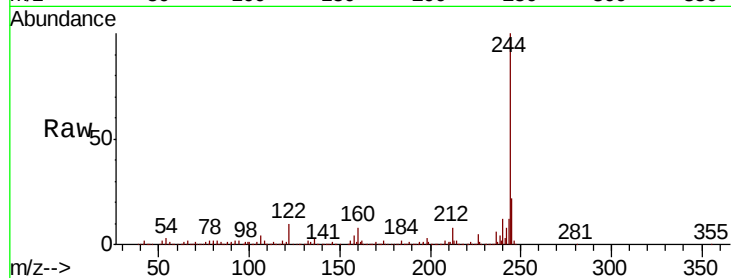




#76
Benzidine
Concen: 2.164 ng
RT: 20.02 min Scan# 2847
Delta R.T. 0.37 min
Lab File: BG037013.D
Acq: 27 Sep 2018 12:02

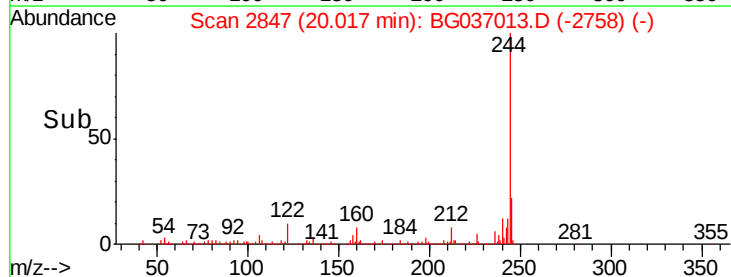
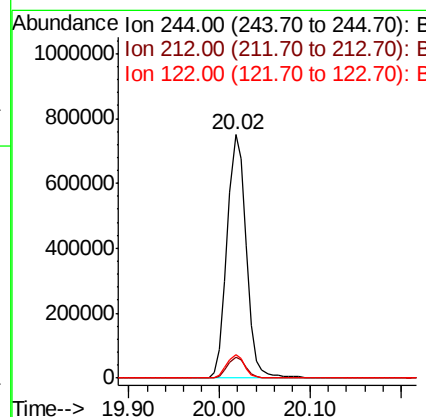
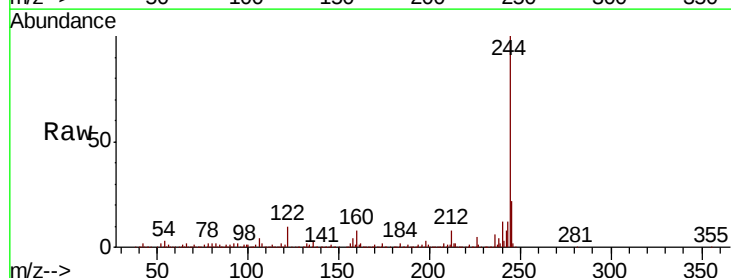
Instrument :
BNA_G
ClientSampleId :

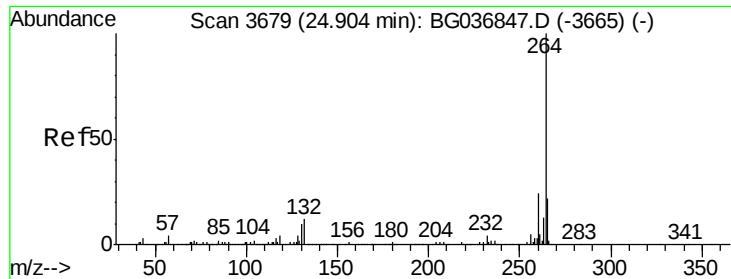
Tot Ion:184 Resp: 19286
Ion Ratio Lower Upper
184 100
185 14.5 12.6 18.8
183 9.3 10.9 16.3#



#78
Terphenyl-d14
Concen: 98.124 ng
RT: 20.02 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BG037013.D
Acq: 27 Sep 2018 12:02

Tgt Ion:244 Resp: 1100358
Ion Ratio Lower Upper
244 100
212 8.4 7.0 10.6
122 9.8 7.1 10.7





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.02 min
Lab File: BG037013.D
Acq: 27 Sep 2018 12:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	219686
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.6	29.4
265	22.0	17.4	26.0

