

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091818\
 Data File : BG036822.D
 Acq On : 19 Sep 2018 15:16
 Operator : JU/SJ
 Sample : PB112901TB
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 16:14:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 31 13:03:20 2018
 Response via : Initial Calibration

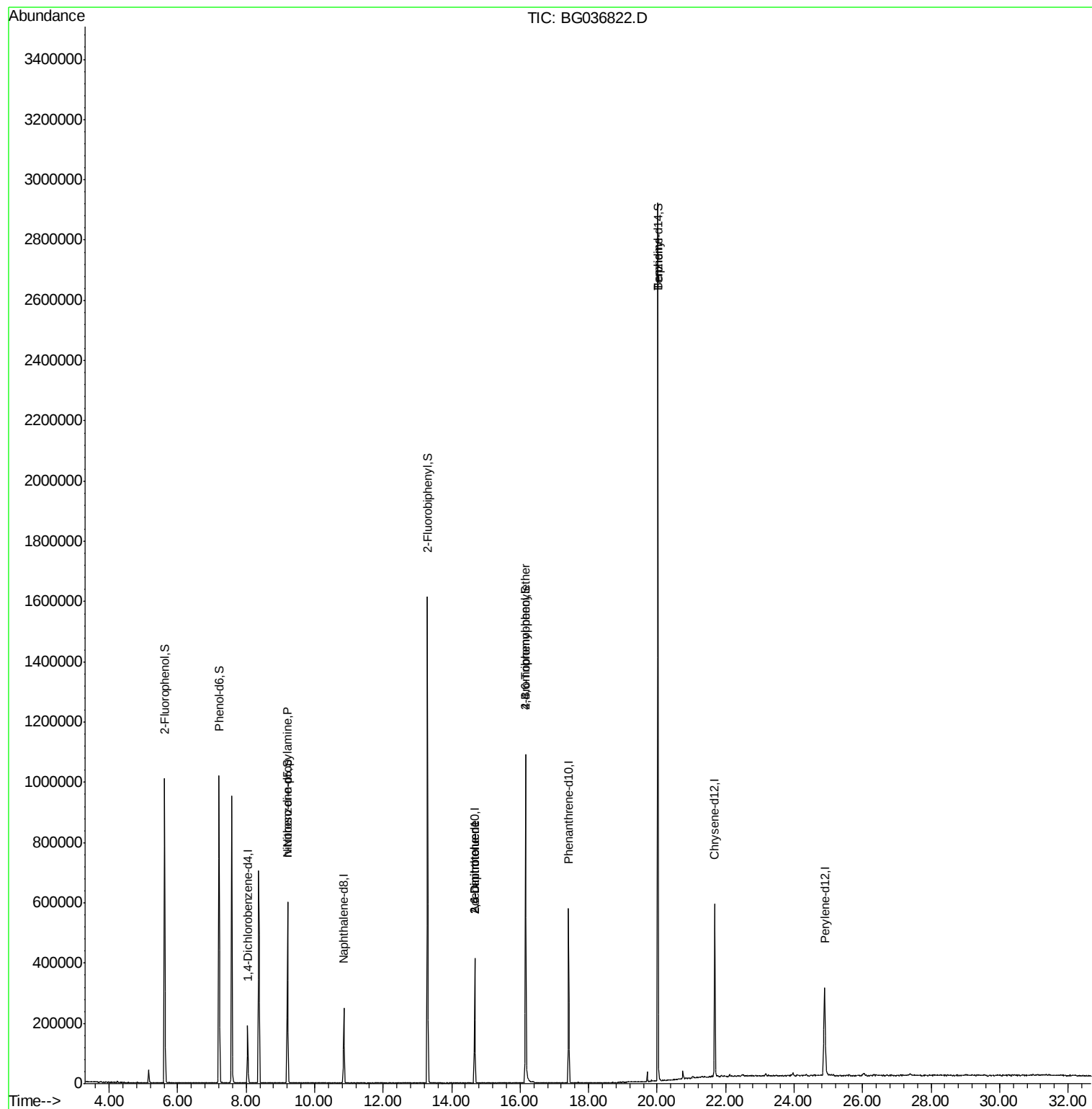
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	53311	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	217585	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	141059	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	351201	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	358107	20.00	ng	-0.01
86) Perylene-d12	24.89	264	348762	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	414159	123.24	ng	0.00
7) Phenol-d6	7.21	99	574475	119.39	ng	0.00
23) Nitrobenzene-d5	9.21	82	356010	88.77	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	214575	127.48	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	821693	83.17	ng	-0.01
78) Terphenyl-d14	20.02	244	1328989	86.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	47944	13.332	ng	# 73
50) 2,6-Dinitrotoluene	14.67	165	17717	7.475	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	17717	5.736	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	14868	3.616	ng	# 1
76) Benzidine	20.02	184	23565	2.063	ng	# 93

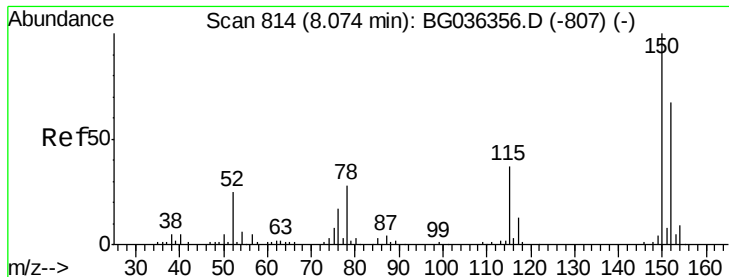
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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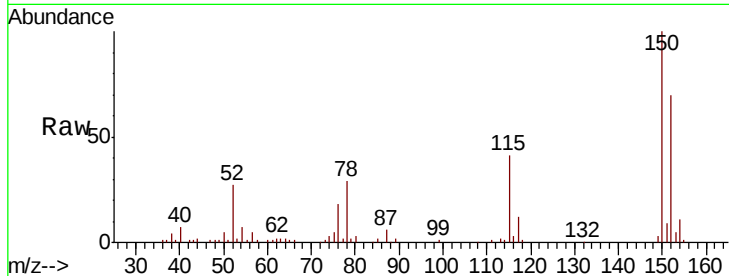


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 809
 Delta R.T. -0.02 min
 Lab File: BG036822.D
 Acq: 19 Sep 2018 15:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.5	119.5	179.3
115	58.3	44.5	66.7

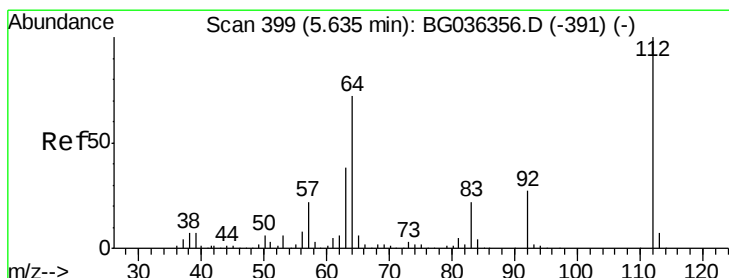
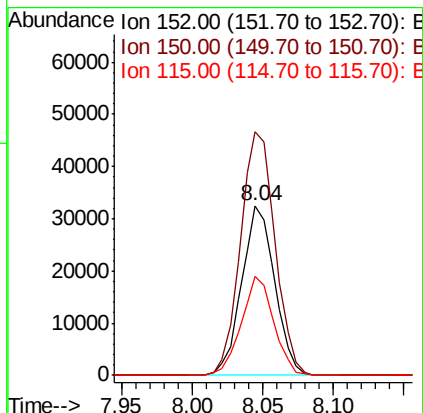
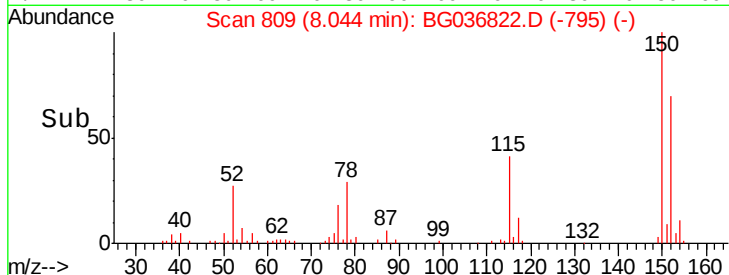


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

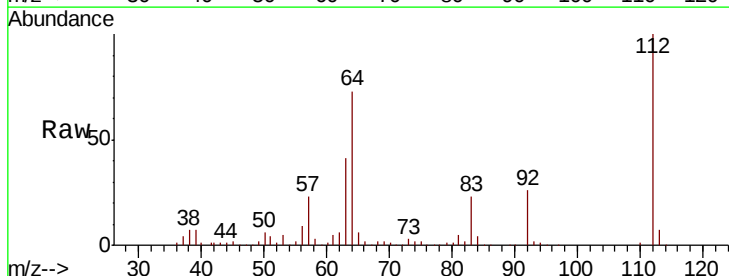
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 123.235 ng
 RT: 5.62 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: BG036822.D
 Acq: 19 Sep 2018 15:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.9	57.2	85.8
63	40.6	30.8	46.2

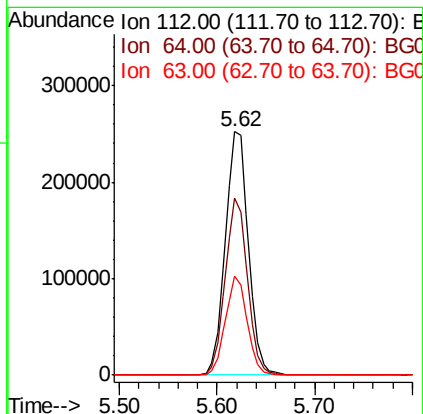
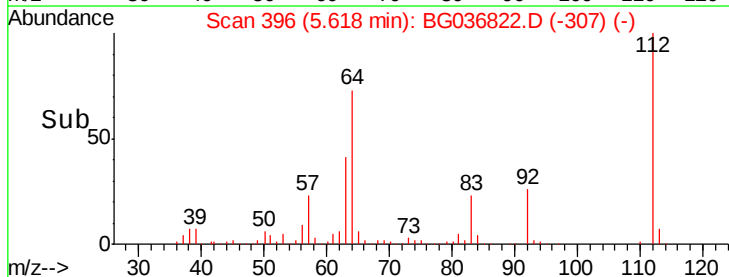


Abundance

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: 119.391 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036822.D

Acq: 19 Sep 2018 15:16

Instrument :

BNA_G

ClientSampleId :

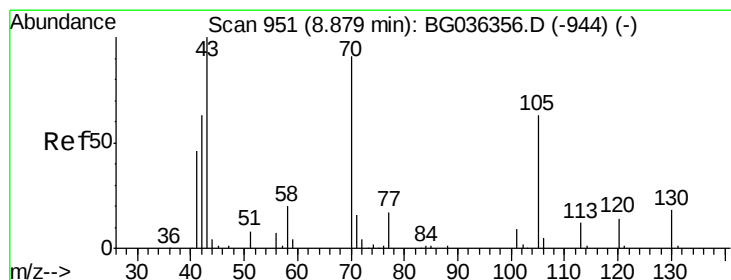
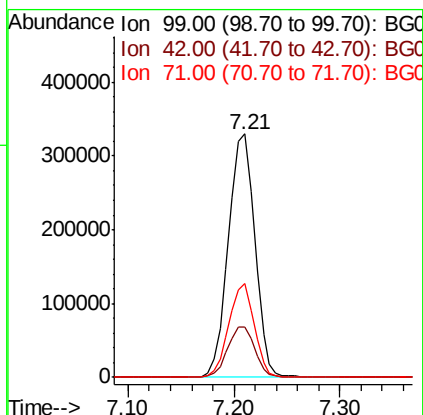
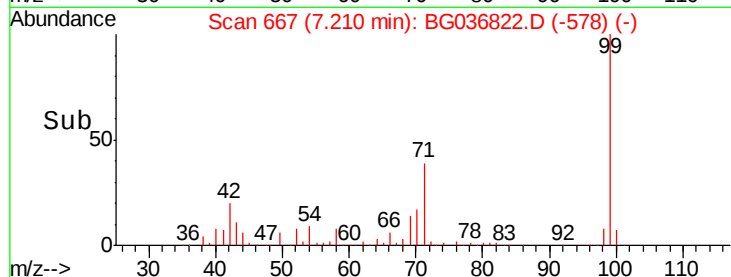
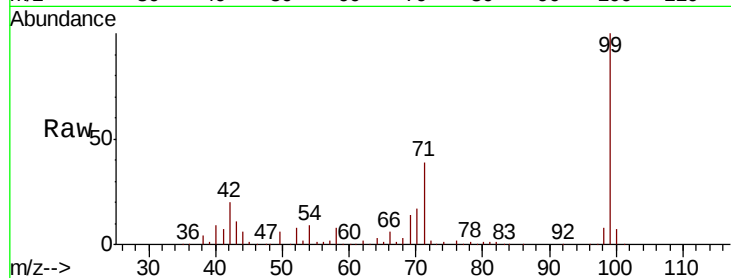
Tot Ion: 99 Resp: 574475

Ion Ratio Lower Upper

99 100

42 20.5 16.5 24.7

71 38.5 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.332 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036822.D

Acq: 19 Sep 2018 15:16

Tgt Ion: 70 Resp: 47944

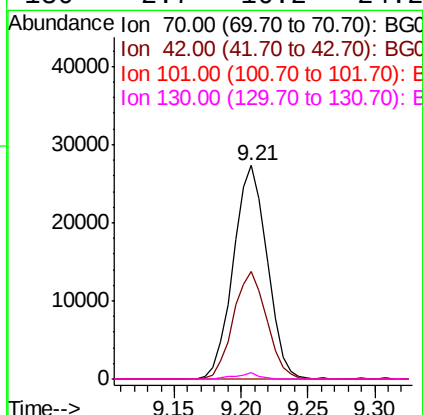
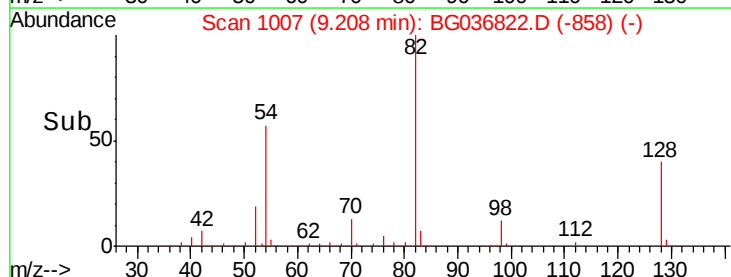
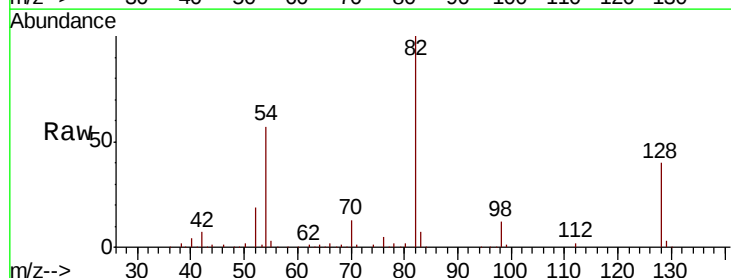
Ion Ratio Lower Upper

70 100

42 50.5 56.2 84.4#

101 0.0 7.8 11.6#

130 2.7 16.2 24.2#

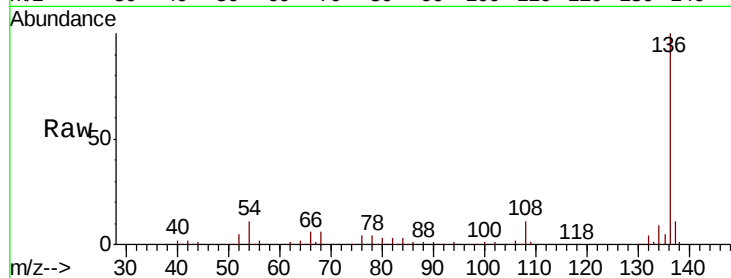




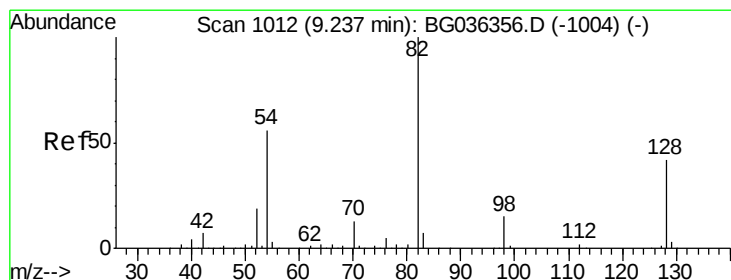
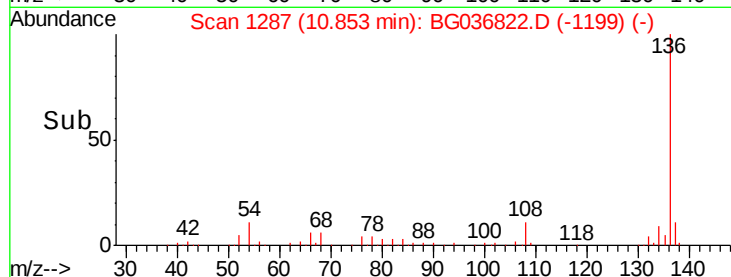
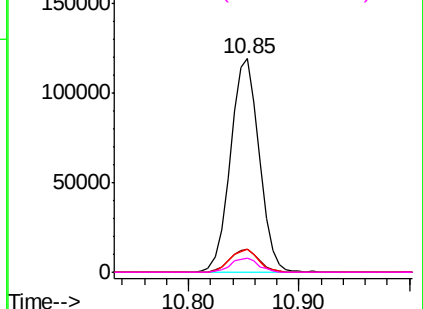
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036822.D
Acq: 19 Sep 2018 15:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	217585
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.8 13.2
54	11.0	9.2 13.8
68	6.5	5.8 8.6

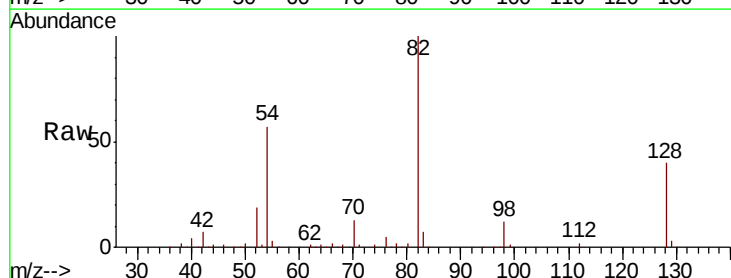


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

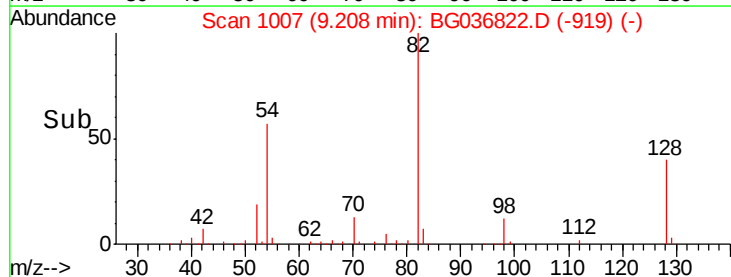
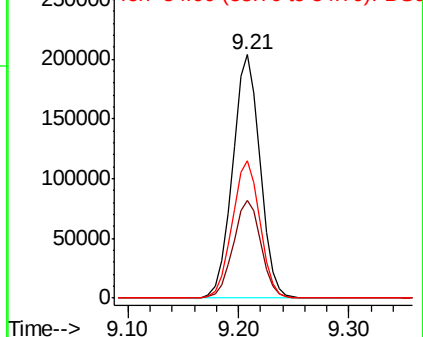


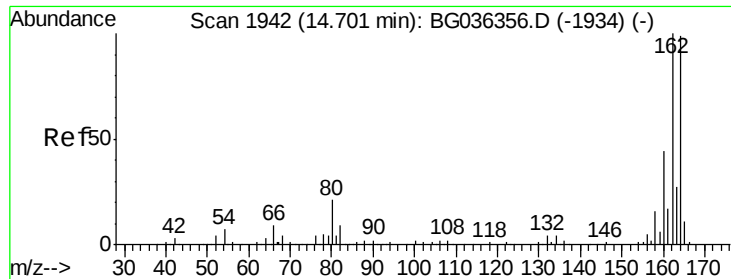
#23
Nitrobenzene-d5
Concen: 88.774 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036822.D
Acq: 19 Sep 2018 15:16

Tgt Ion: 82	Resp:	356010
Ion Ratio	Lower	Upper
82	100	
128	40.2	33.3 49.9
54	56.6	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: BG036822.D

Acq: 19 Sep 2018 15:16

Instrument :

BNA_G

ClientSampleId :

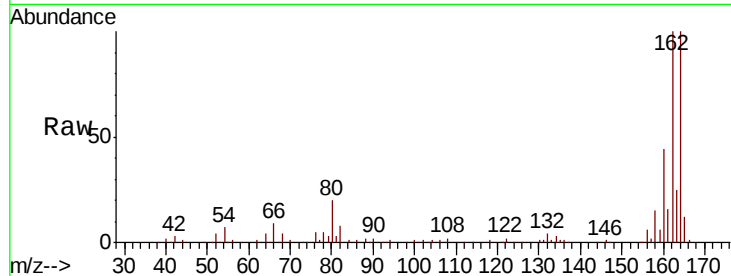
Tot Ion:164 Resp: 141059

Ion Ratio Lower Upper

164 100

162 100.1 80.7 121.1

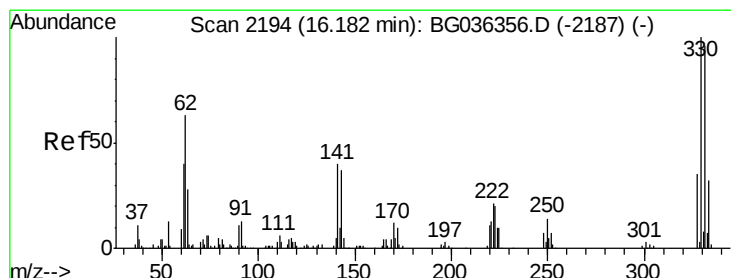
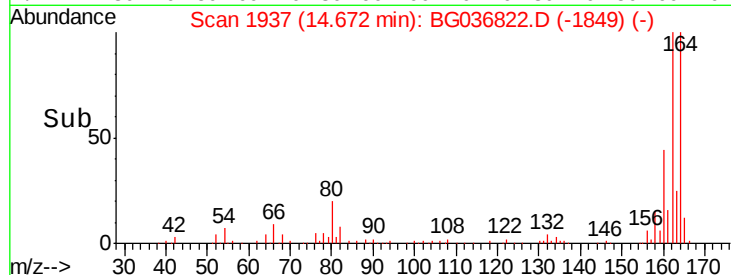
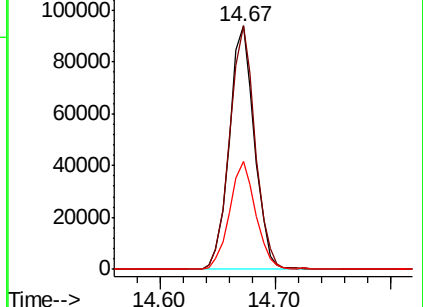
160 44.3 35.3 52.9



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: 127.484 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036822.D

Acq: 19 Sep 2018 15:16

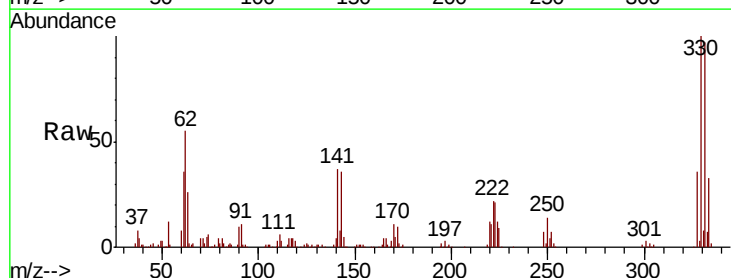
Tgt Ion:330 Resp: 214575

Ion Ratio Lower Upper

330 100

332 95.8 75.4 113.2

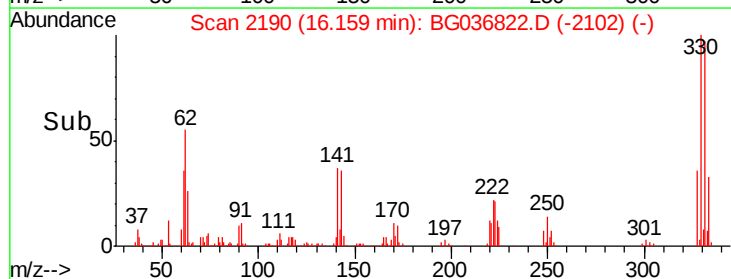
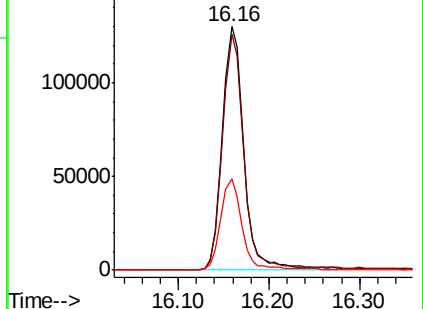
141 37.2 30.7 46.1



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

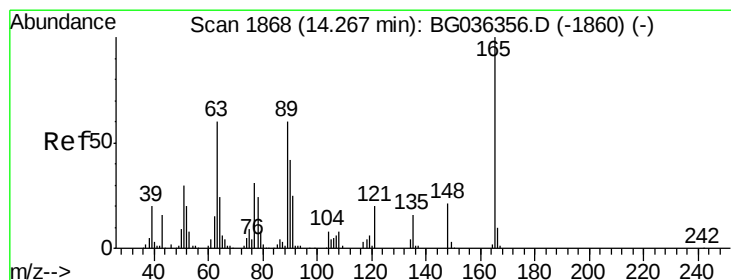
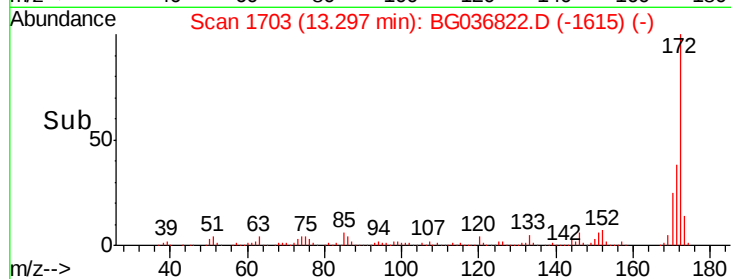
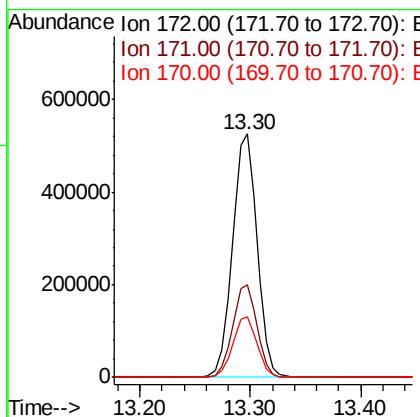
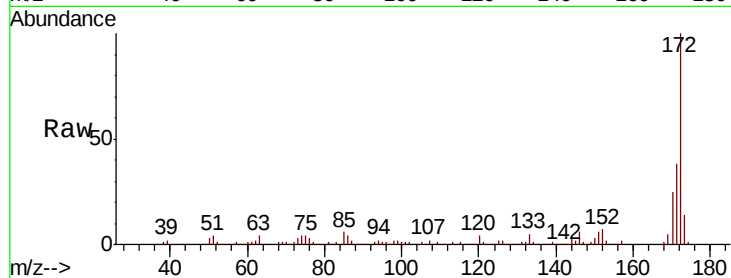




#44
 2-Fluorobiphenyl
 Concen: 83.173 ng
 RT: 13.30 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036822.D
 Acq: 19 Sep 2018 15:16

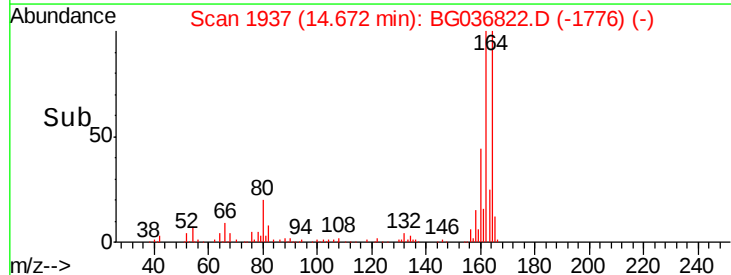
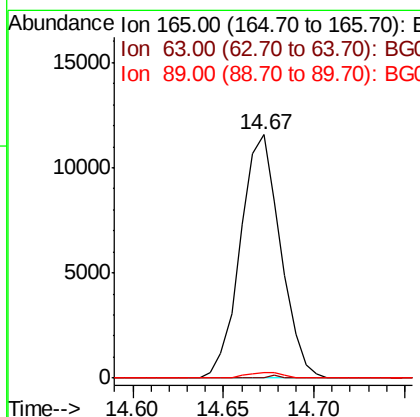
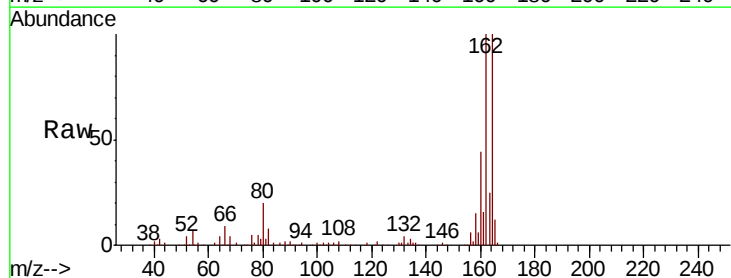
Instrument :
 BNA_G
 ClientSampleId :

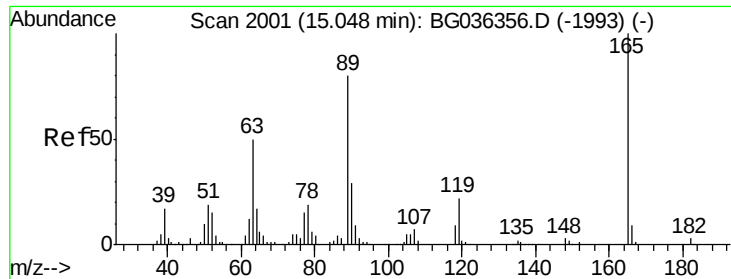
Tot Ion:172 Resp: 821693
 Ion Ratio Lower Upper
 172 100
 171 38.0 31.3 46.9
 170 24.8 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.475 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG036822.D
 Acq: 19 Sep 2018 15:16

Tgt Ion:165 Resp: 17717
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 2.5 47.8 71.6#

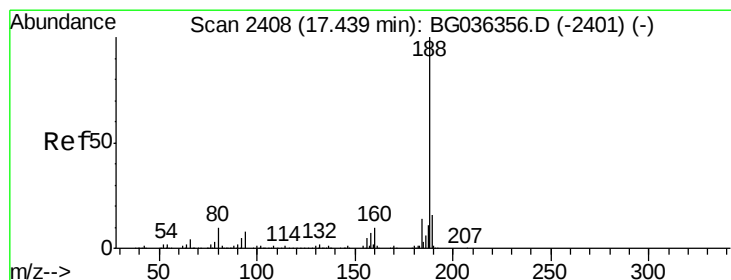
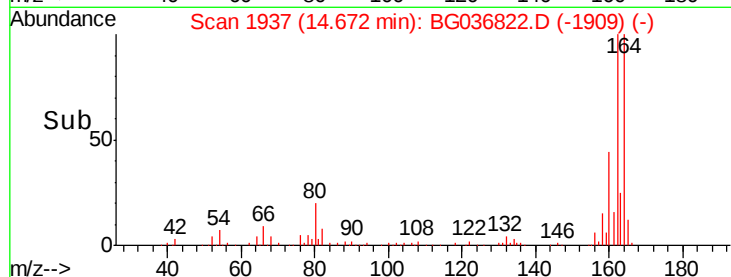
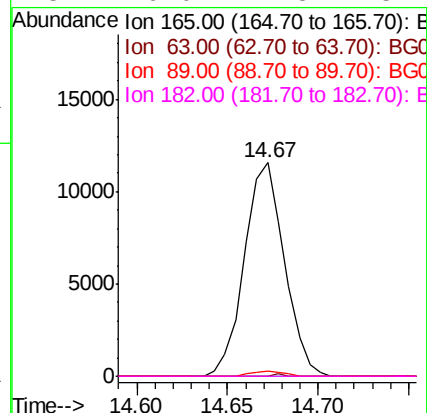
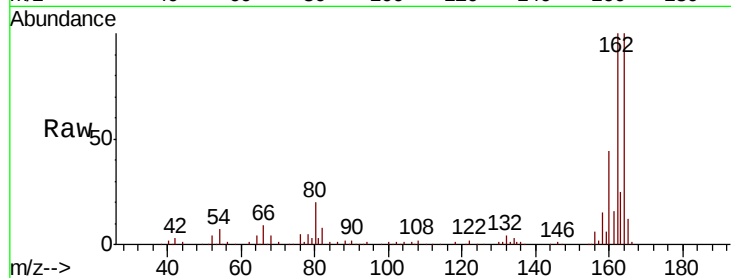




#56
 2,4-Dinitrotoluene
 Concen: 5.736 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.37 min
 Lab File: BG036822.D
 Acq: 19 Sep 2018 15:16

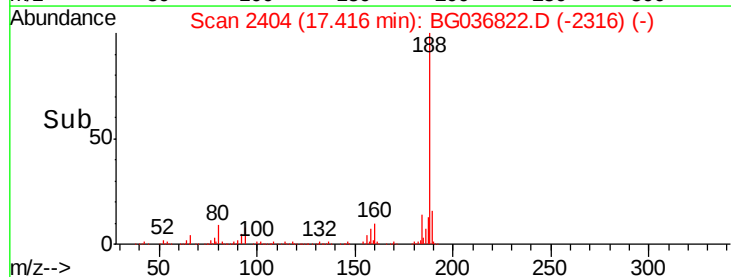
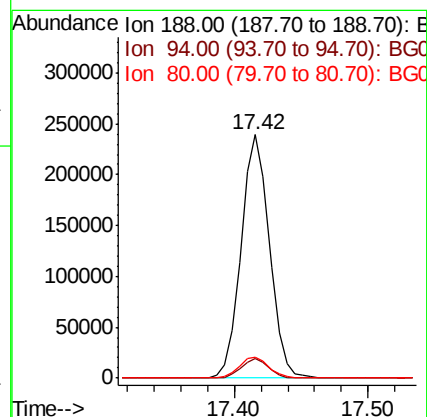
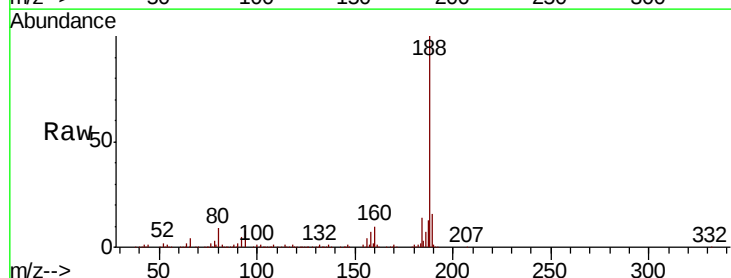
Instrument :
 BNA_G
 ClientSampleId :

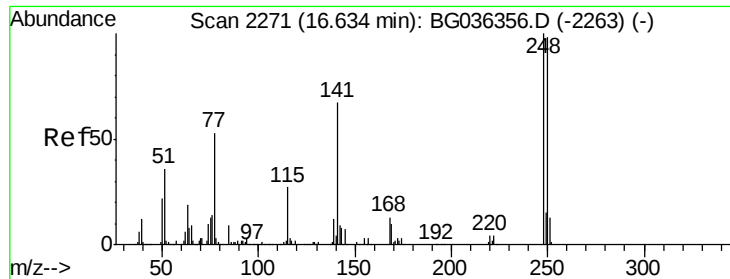
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.5	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG036822.D
 Acq: 19 Sep 2018 15:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.7	10.1
80	8.8	8.1	12.1

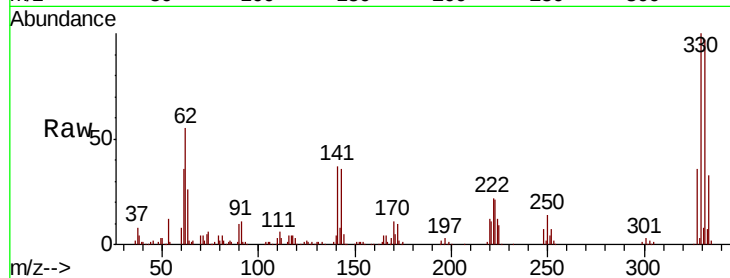




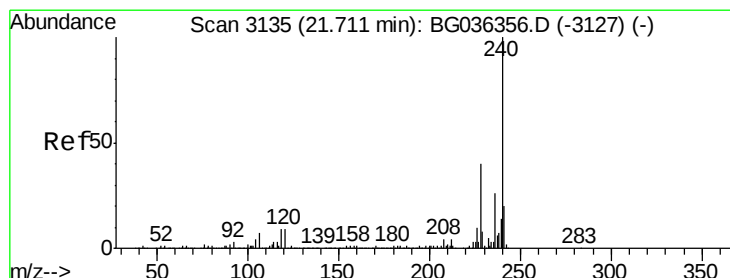
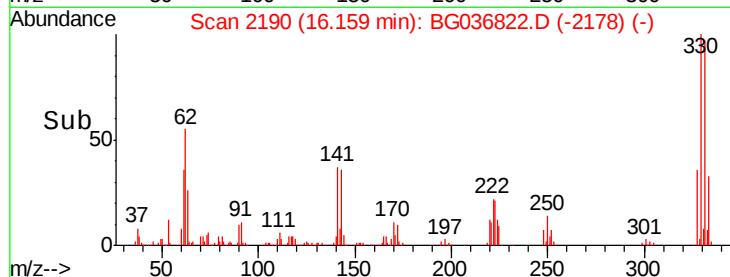
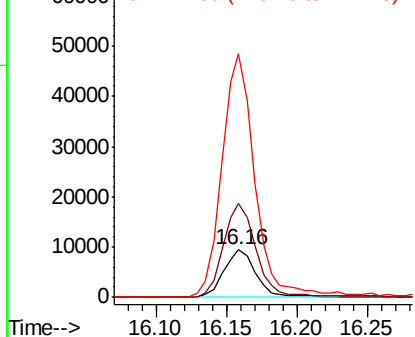
#66
 4-Bromophenyl-phenylether
 Concen: 3.616 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.46 min
 Lab File: BG036822.D
 Acq: 19 Sep 2018 15:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14868
 Ion Ratio Lower Upper
 248 100
 250 197.4 78.1 117.1#
 141 511.8 53.7 80.5#

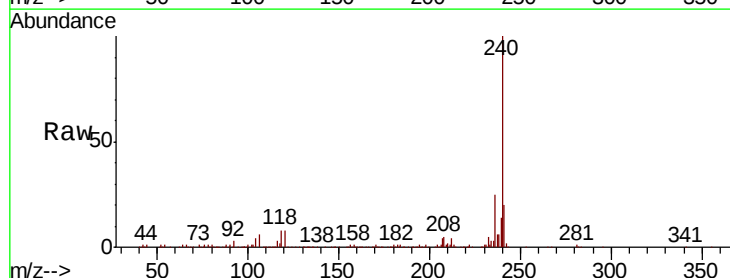


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

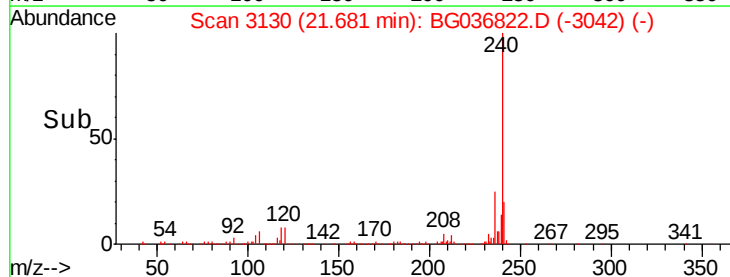
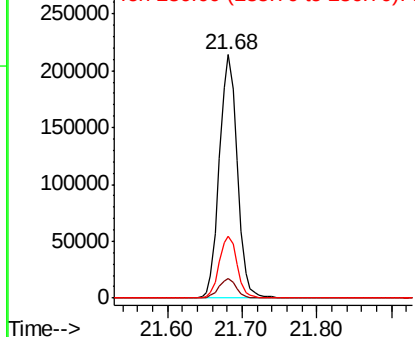


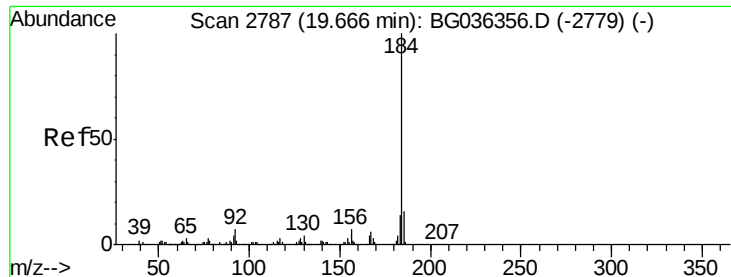
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036822.D
 Acq: 19 Sep 2018 15:16

Tgt Ion:240 Resp: 358107
 Ion Ratio Lower Upper
 240 100
 120 8.3 6.9 10.3
 236 25.3 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: 2.063 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036822.D

Acq: 19 Sep 2018 15:16

Instrument :

BNA_G

ClientSampleId :

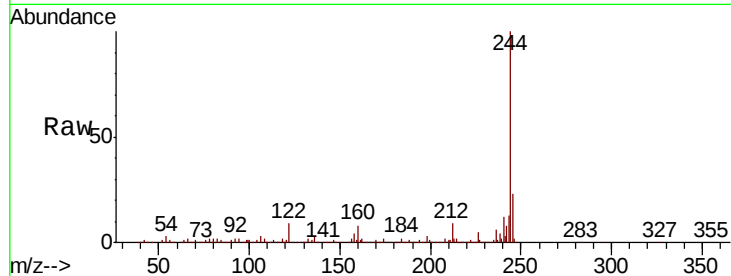
Tot Ion:184 Resp: 23565

Ion Ratio Lower Upper

184 100

185 17.1 12.6 18.8

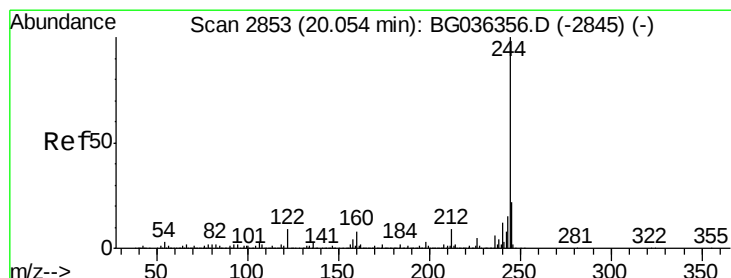
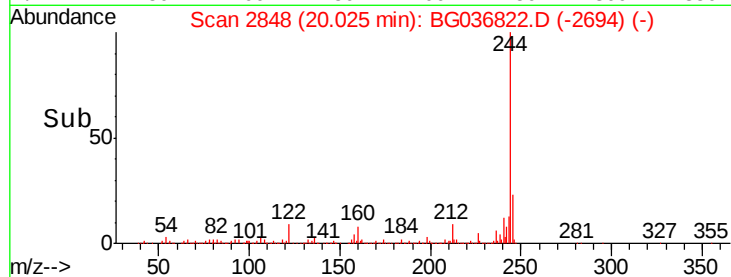
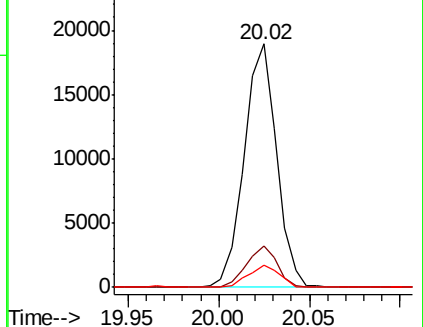
183 9.2 10.9 16.3#



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: 86.742 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036822.D

Acq: 19 Sep 2018 15:16

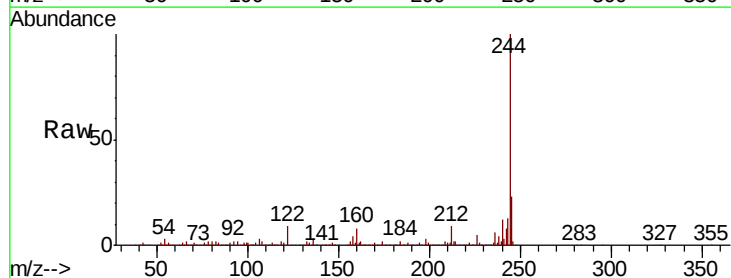
Tgt Ion:244 Resp: 1328989

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

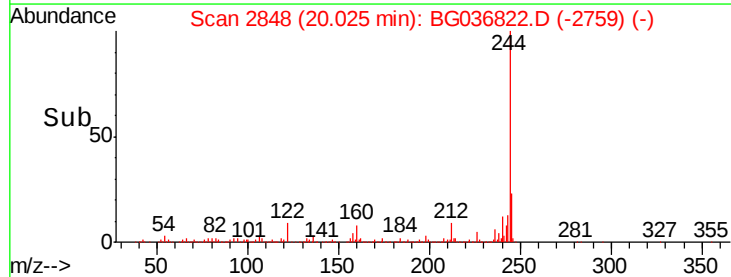
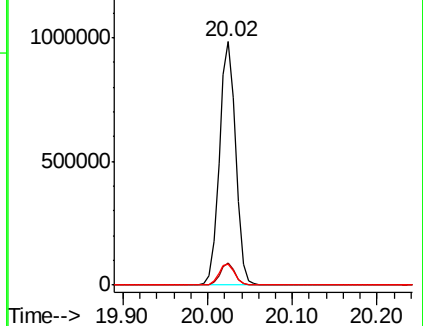
122 8.8 7.1 10.7

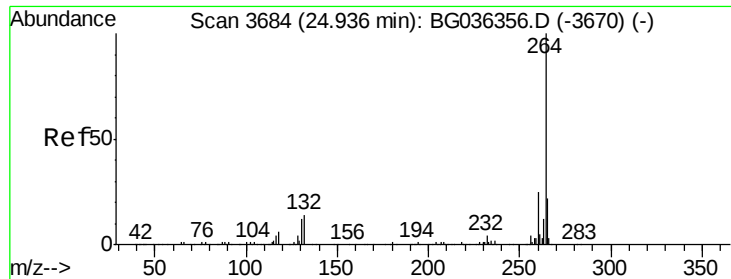


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.89 min Scan# 3676
Delta R.T. -0.01 min
Lab File: BG036822.D
Acq: 19 Sep 2018 15:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 348762

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.6	29.4
265	21.4	17.4	26.0

