

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091718\
 Data File : BG036750.D
 Acq On : 17 Sep 2018 12:09
 Operator : JU/SJ
 Sample : PB112885BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 17 13:11:24 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

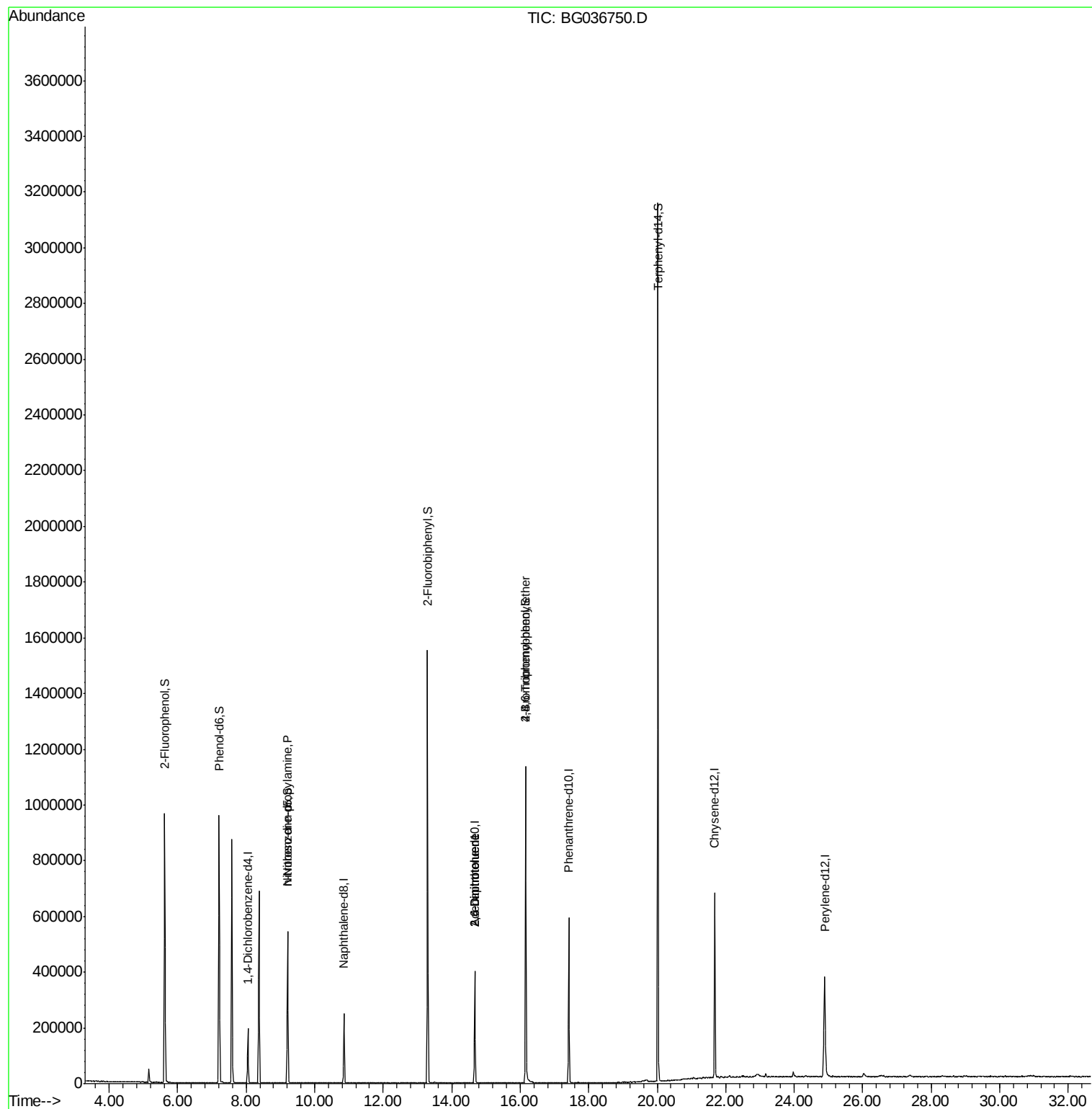
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	53340	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	218071	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	141788	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	381717	20.00	ng	0.00
75) Chrysene-d12	21.68	240	408584	20.00	ng	-0.01
86) Perylene-d12	24.89	264	396656	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	390978	116.27	ng	0.00
7) Phenol-d6	7.21	99	540520	112.27	ng	0.00
23) Nitrobenzene-d5	9.21	82	334362	83.19	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	228976	135.34	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	792623	79.82	ng	-0.01
78) Terphenyl-d14	20.02	244	1446887	82.77	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	44863	12.469	ng	# 69
50) 2,6-Dinitrotoluene	14.67	165	18514	7.771	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	18514	5.963	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	15819	3.540	ng	# 1

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

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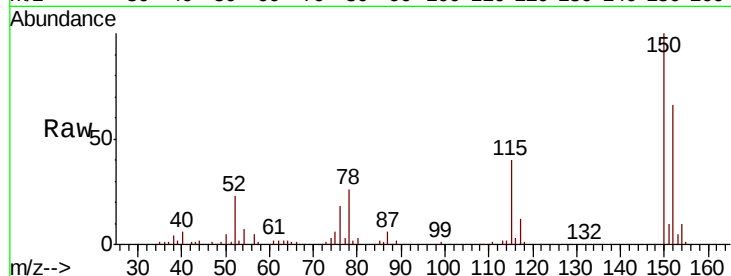


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BG036750.D
 Acq: 17 Sep 2018 12:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	119.5	179.3
115	61.4	44.5	66.7

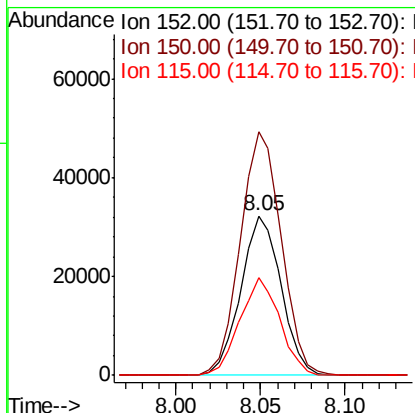
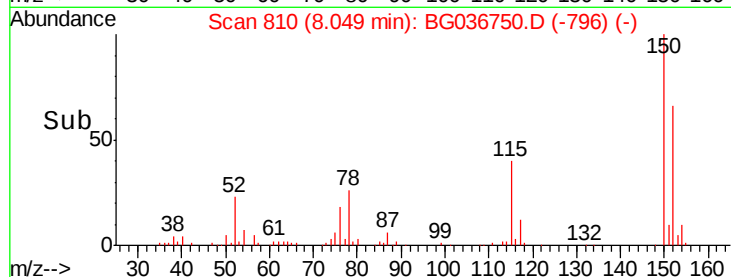


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

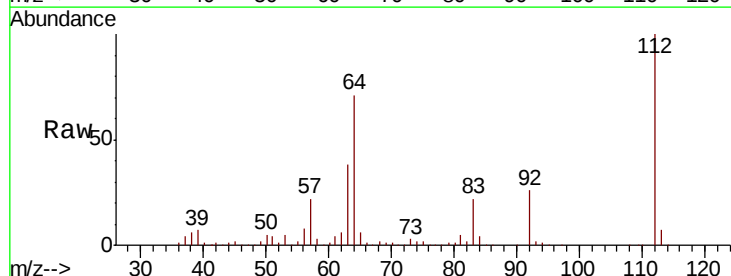
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 116.274 ng
 RT: 5.62 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: BG036750.D
 Acq: 17 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	57.2	85.8
63	38.1	30.8	46.2

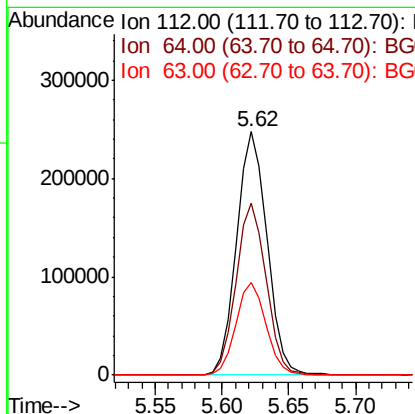
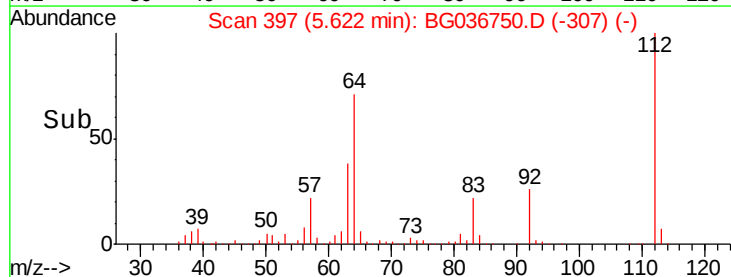


Abundance

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: 112.273 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036750.D

Acq: 17 Sep 2018 12:09

Instrument :

BNA_G

ClientSampleId :

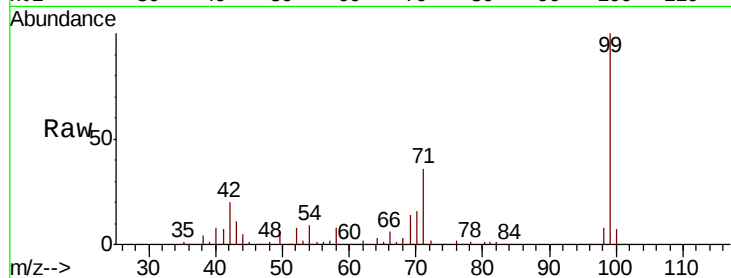
Tot Ion: 99 Resp: 540520

Ion Ratio Lower Upper

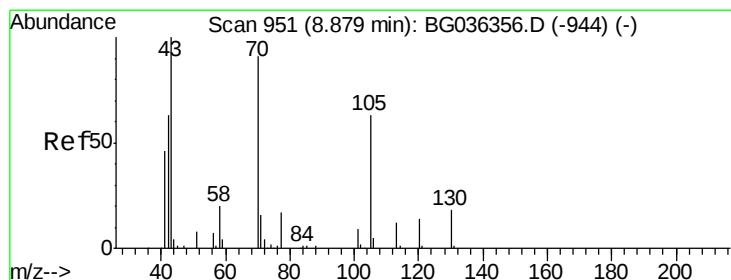
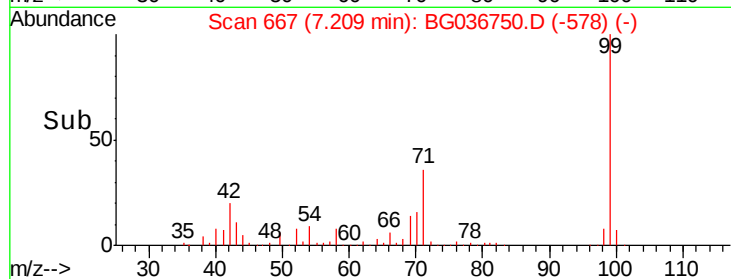
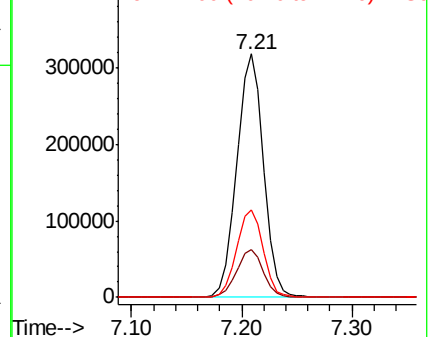
99 100

42 19.7 16.5 24.7

71 35.8 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 12.469 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.34 min

Lab File: BG036750.D

Acq: 17 Sep 2018 12:09

Tgt Ion: 70 Resp: 44863

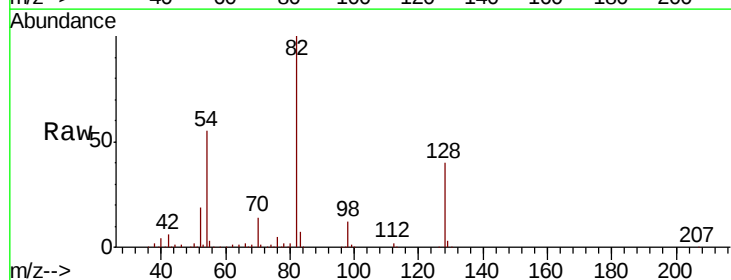
Ion Ratio Lower Upper

70 100

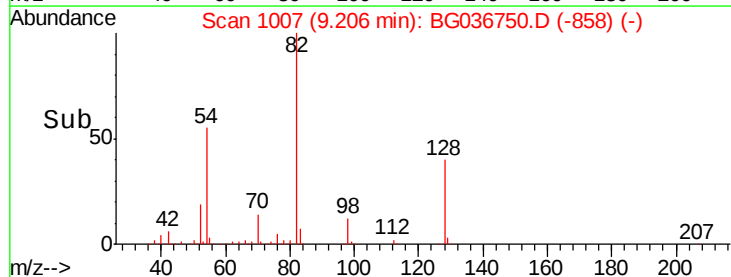
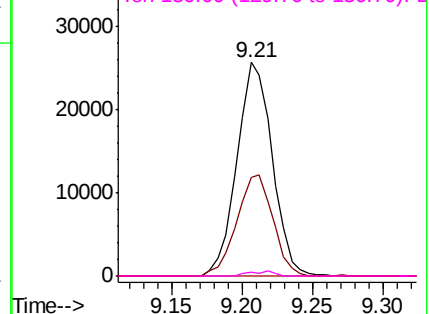
42 46.0 56.2 84.4#

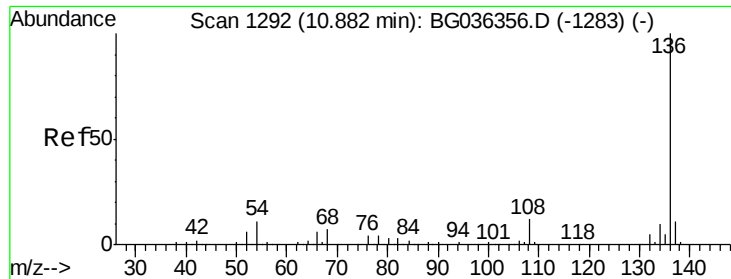
101 0.0 7.8 11.6#

130 2.0 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

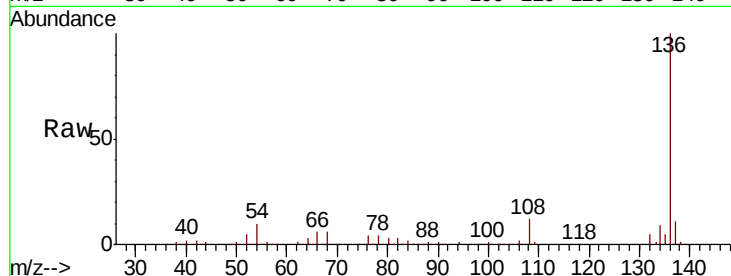




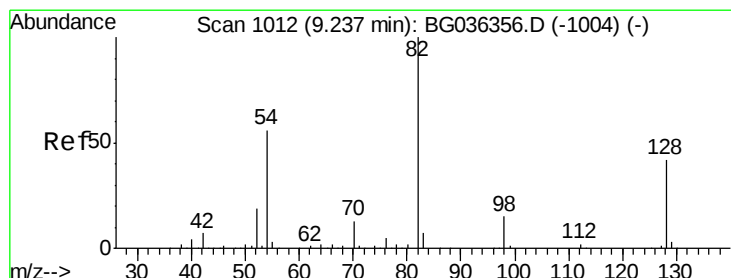
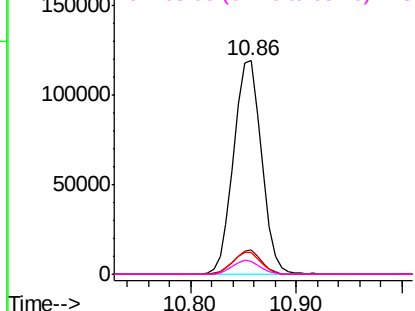
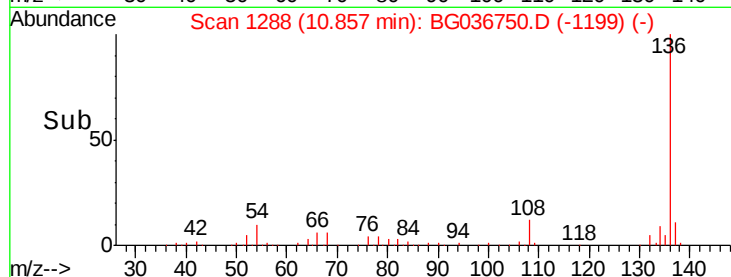
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036750.D
Acq: 17 Sep 2018 12:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	218071
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.8 13.2
54	10.3	9.2 13.8
68	5.9	5.8 8.6

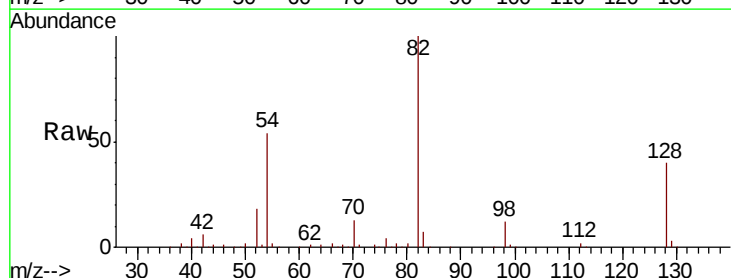


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

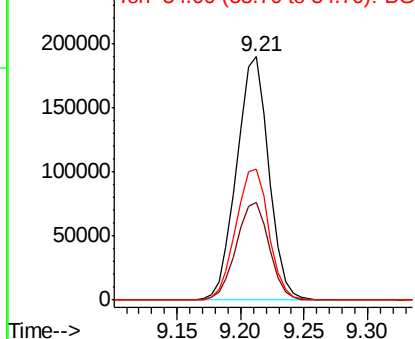
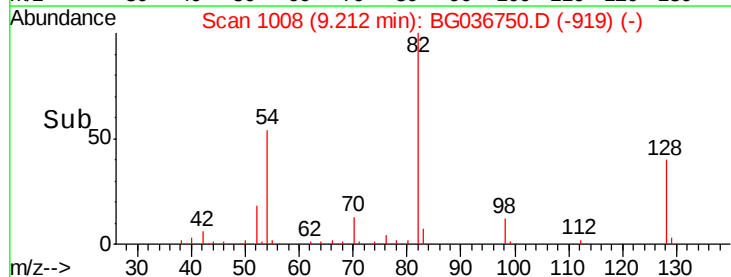


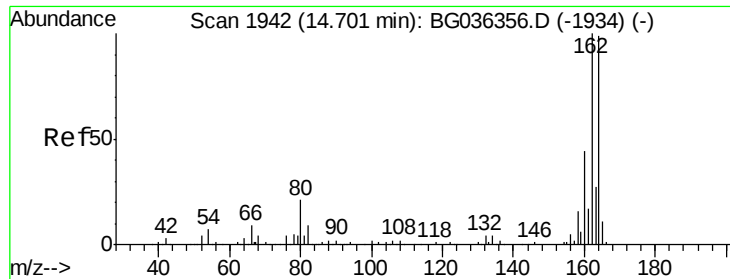
#23
Nitrobenzene-d5
Concen: 83.190 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036750.D
Acq: 17 Sep 2018 12:09

Tgt Ion: 82	Resp:	334362
Ion Ratio	Lower	Upper
82	100	
128	40.0	33.3 49.9
54	53.8	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: 14.68 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036750.D

Acq: 17 Sep 2018 12:09

Instrument :

BNA_G

ClientSampleId :

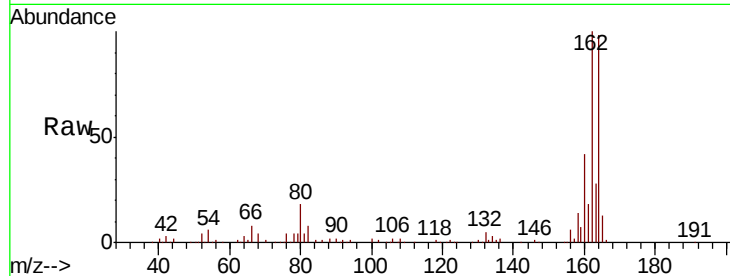
Tot Ion:164 Resp: 141788

Ion Ratio Lower Upper

164 100

162 102.4 80.7 121.1

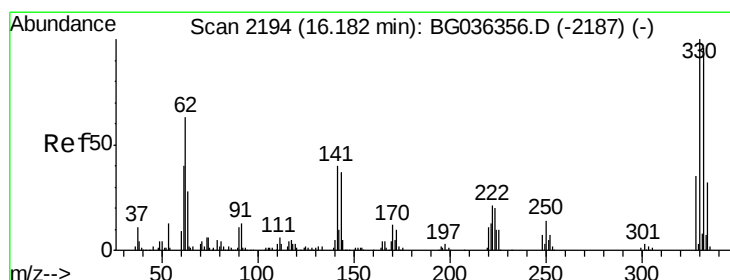
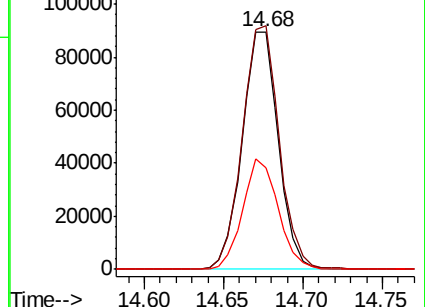
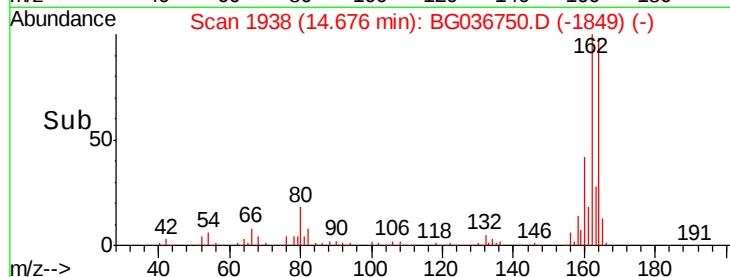
160 42.9 35.3 52.9



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: 135.341 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036750.D

Acq: 17 Sep 2018 12:09

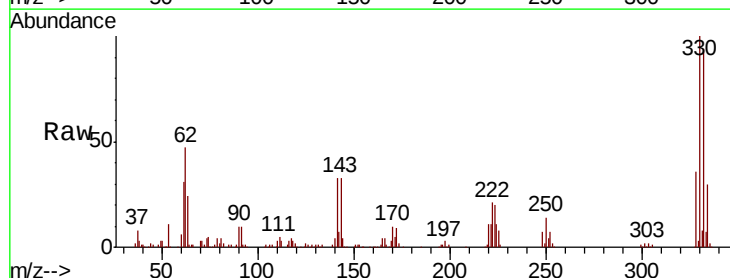
Tgt Ion:330 Resp: 228976

Ion Ratio Lower Upper

330 100

332 94.3 75.4 113.2

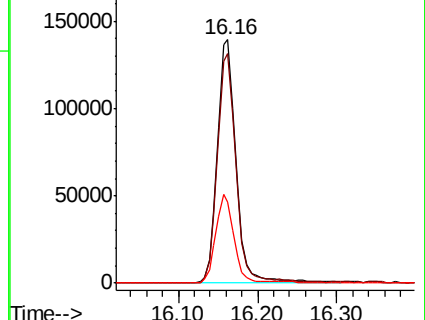
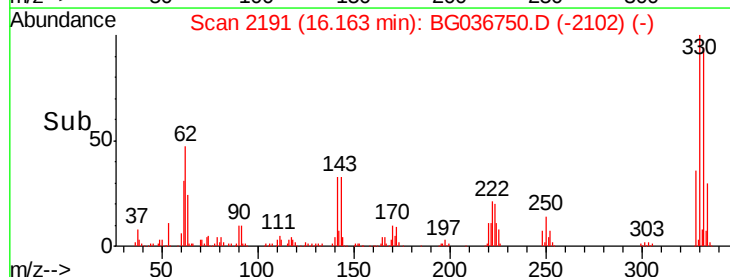
141 35.4 30.7 46.1



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

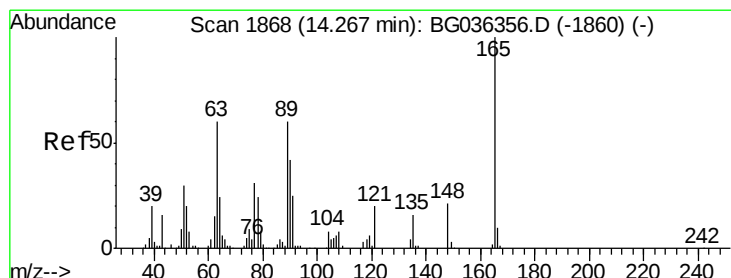
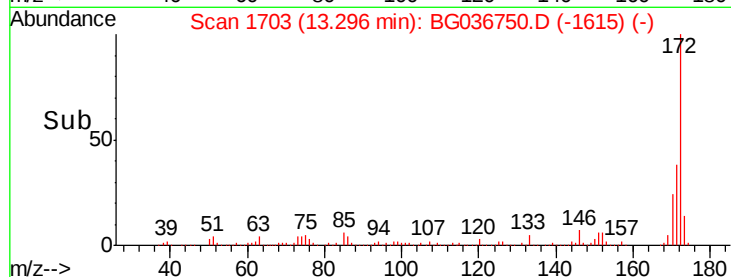
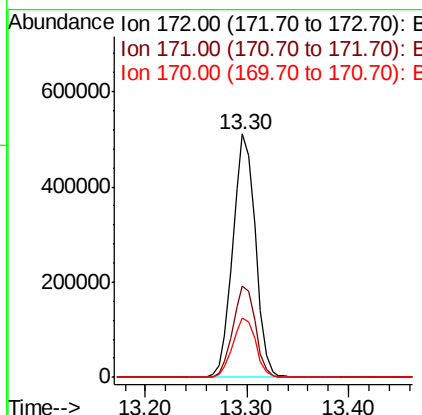
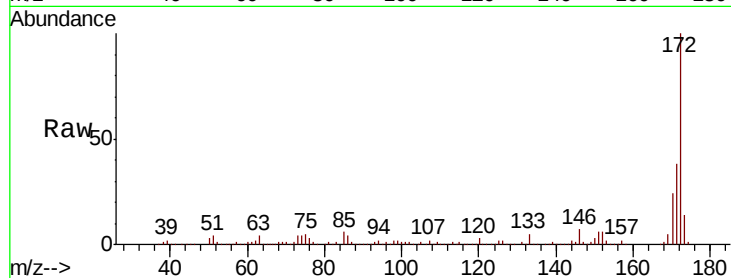




#44
 2-Fluorobiphenyl
 Concen: 79.818 ng
 RT: 13.30 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036750.D
 Acq: 17 Sep 2018 12:09

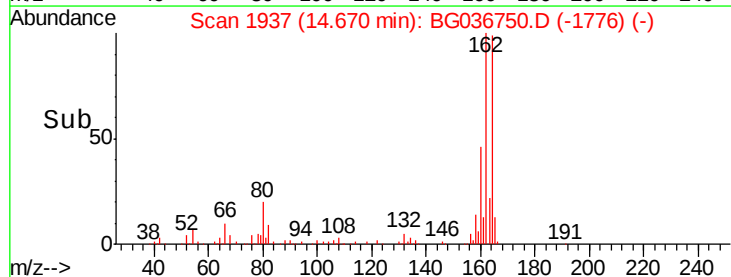
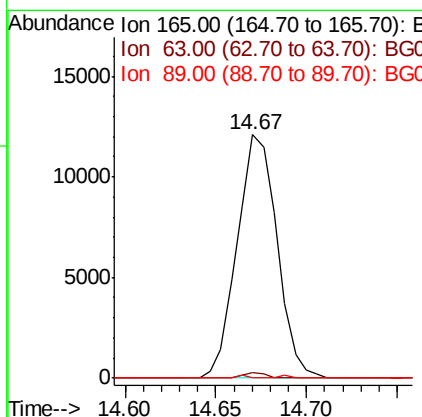
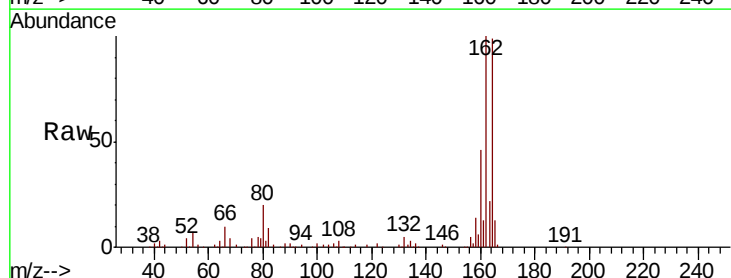
Instrument :
 BNA_G
 ClientSampleId :

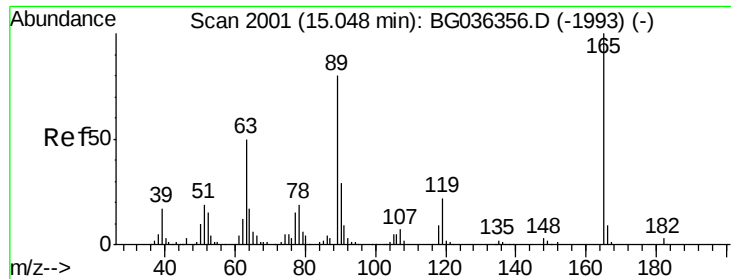
Tot Ion:172 Resp: 792623
 Ion Ratio Lower Upper
 172 100
 171 37.7 31.3 46.9
 170 24.4 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.771 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.41 min
 Lab File: BG036750.D
 Acq: 17 Sep 2018 12:09

Tgt Ion:165 Resp: 18514
 Ion Ratio Lower Upper
 165 100
 63 2.2 50.1 75.1#
 89 0.0 47.8 71.6#

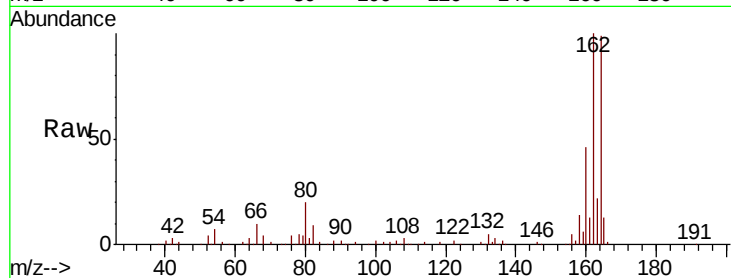




#56
2,4-Dinitrotoluene
Concen: 5.963 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.37 min
Lab File: BG036750.D
Acq: 17 Sep 2018 12:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#

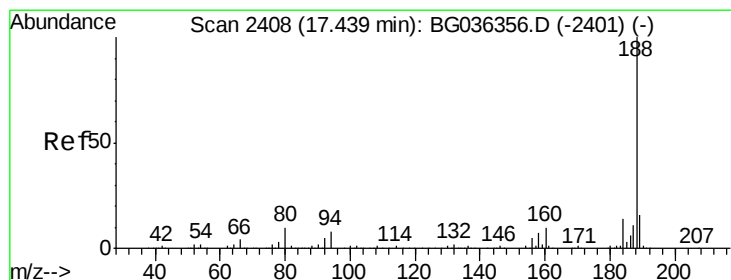
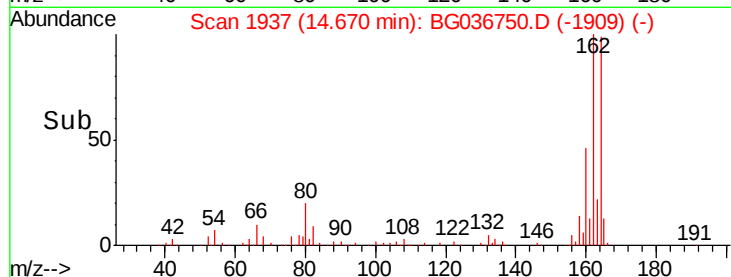
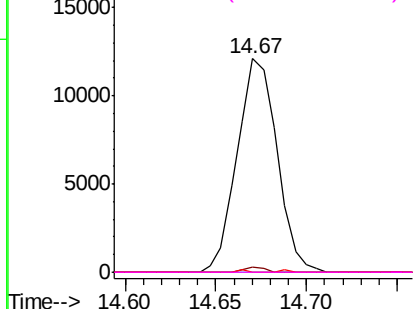


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

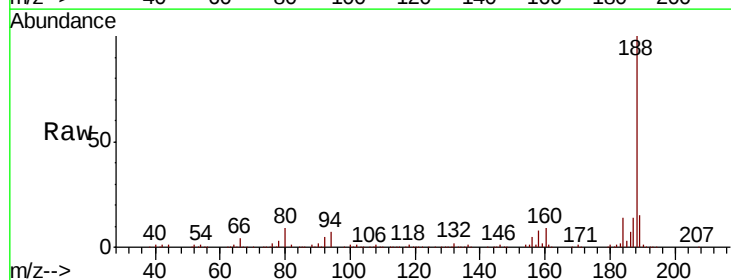
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BG036750.D
Acq: 17 Sep 2018 12:09

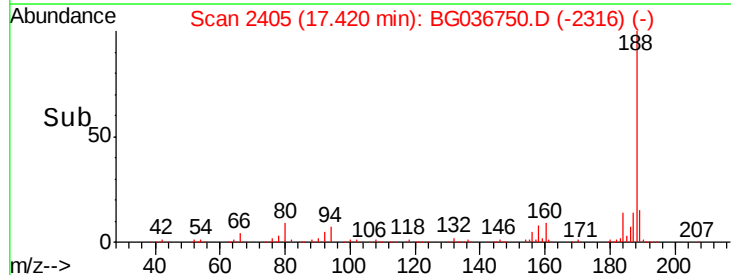
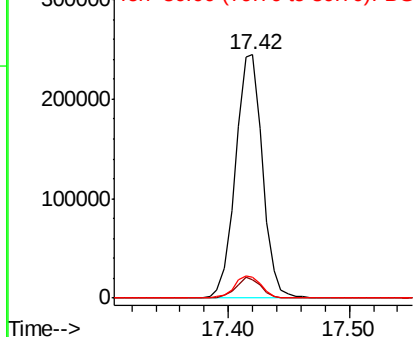
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.7	10.1
80	8.7	8.1	12.1

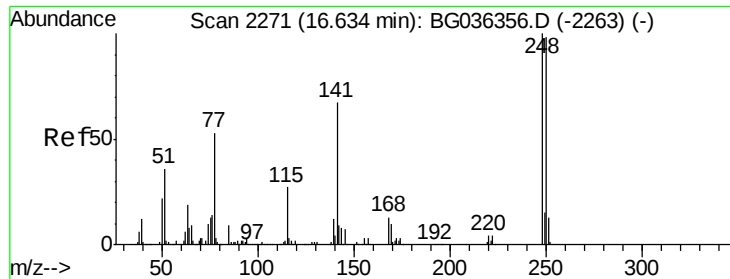


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

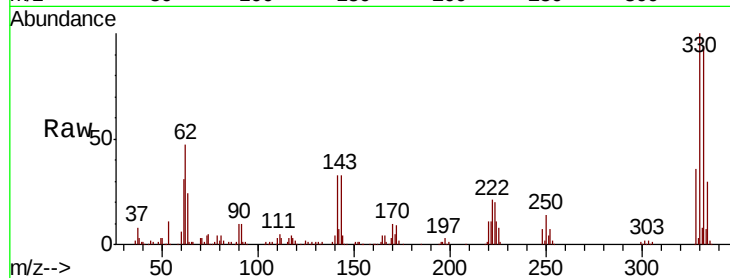




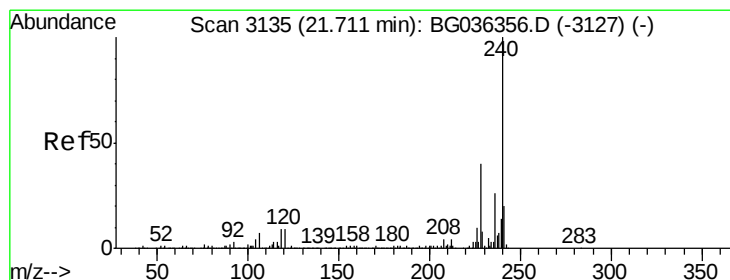
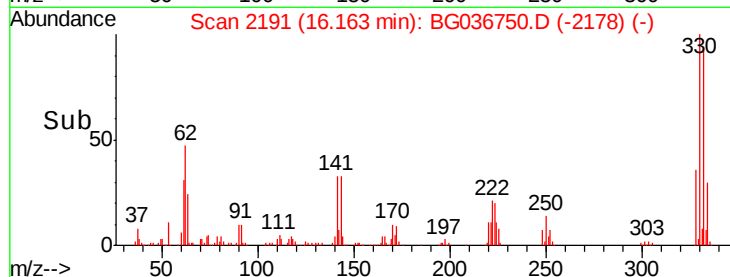
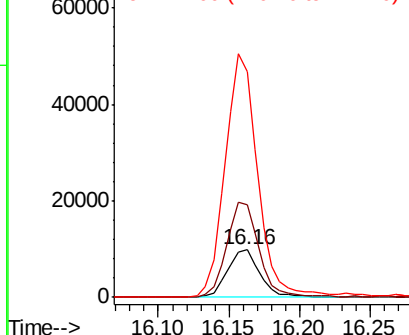
#66
 4-Bromophenyl-phenylether
 Concen: 3.540 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.46 min
 Lab File: BG036750.D
 Acq: 17 Sep 2018 12:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15819
 Ion Ratio Lower Upper
 248 100
 250 197.4 78.1 117.1#
 141 477.3 53.7 80.5#

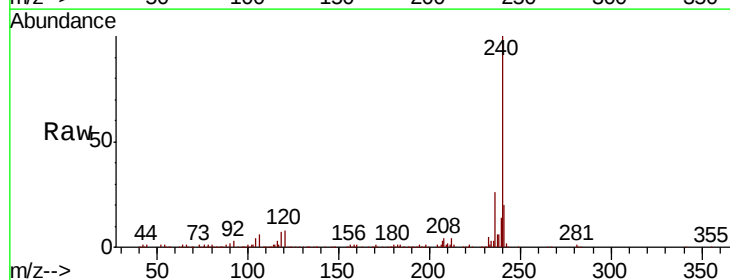


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

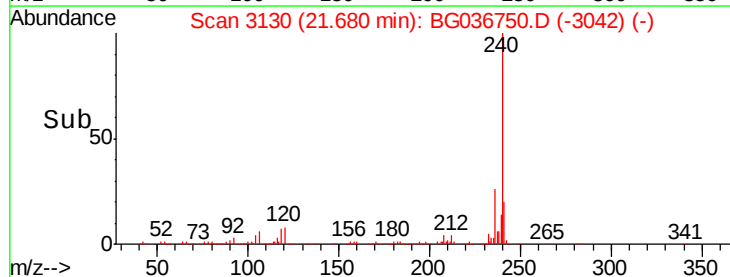
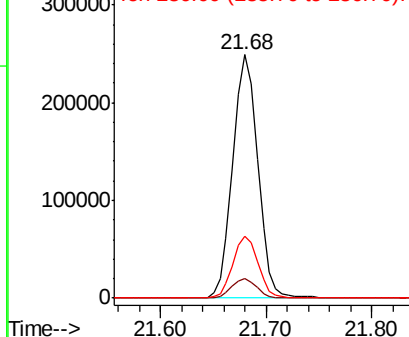


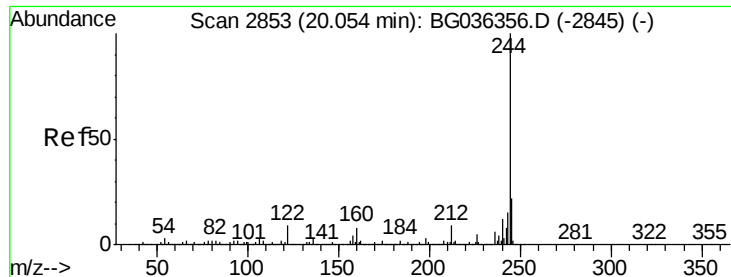
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036750.D
 Acq: 17 Sep 2018 12:09

Tgt Ion:240 Resp: 408584
 Ion Ratio Lower Upper
 240 100
 120 8.0 6.9 10.3
 236 25.5 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





#78

Terphenyl-d14

Concen: 82.770 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036750.D

Acq: 17 Sep 2018 12:09

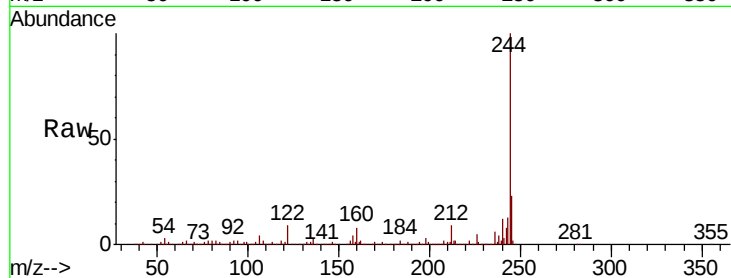
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1446887

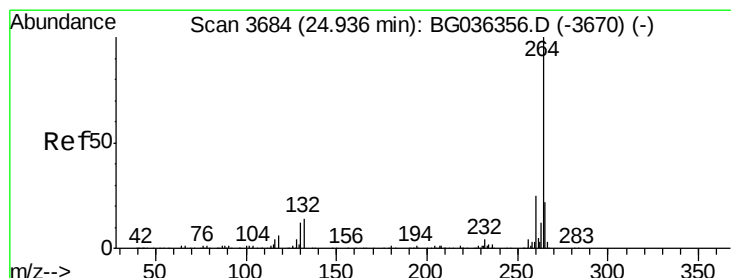
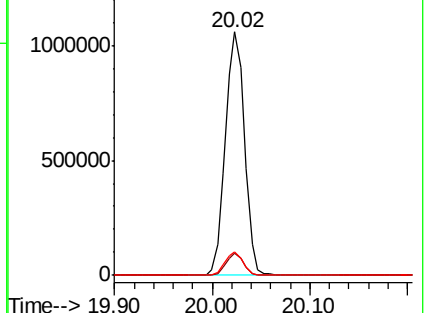
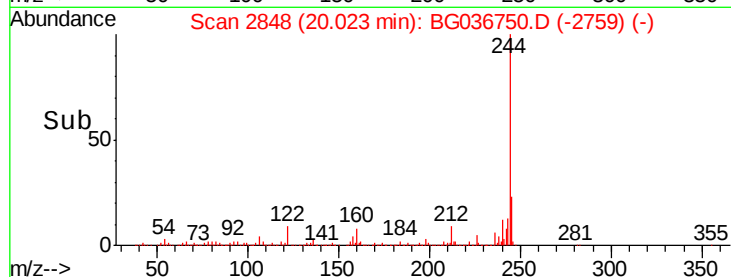
Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.6
122	9.5	7.1	10.7



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

Perylene-d12

Concen: 20.000 ng

RT: 24.89 min Scan# 3676

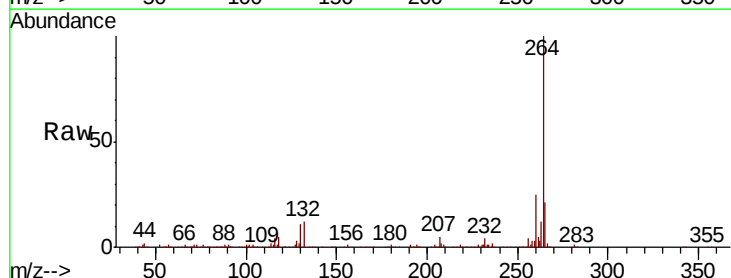
Delta R.T. -0.01 min

Lab File: BG036750.D

Acq: 17 Sep 2018 12:09

Tgt Ion:264 Resp: 396656

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	21.1	17.4	26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

