

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091918\
 Data File : BG036836.D
 Acq On : 20 Sep 2018 1:50
 Operator : JU/SJ
 Sample : PB113024TB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 20 07:08:50 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

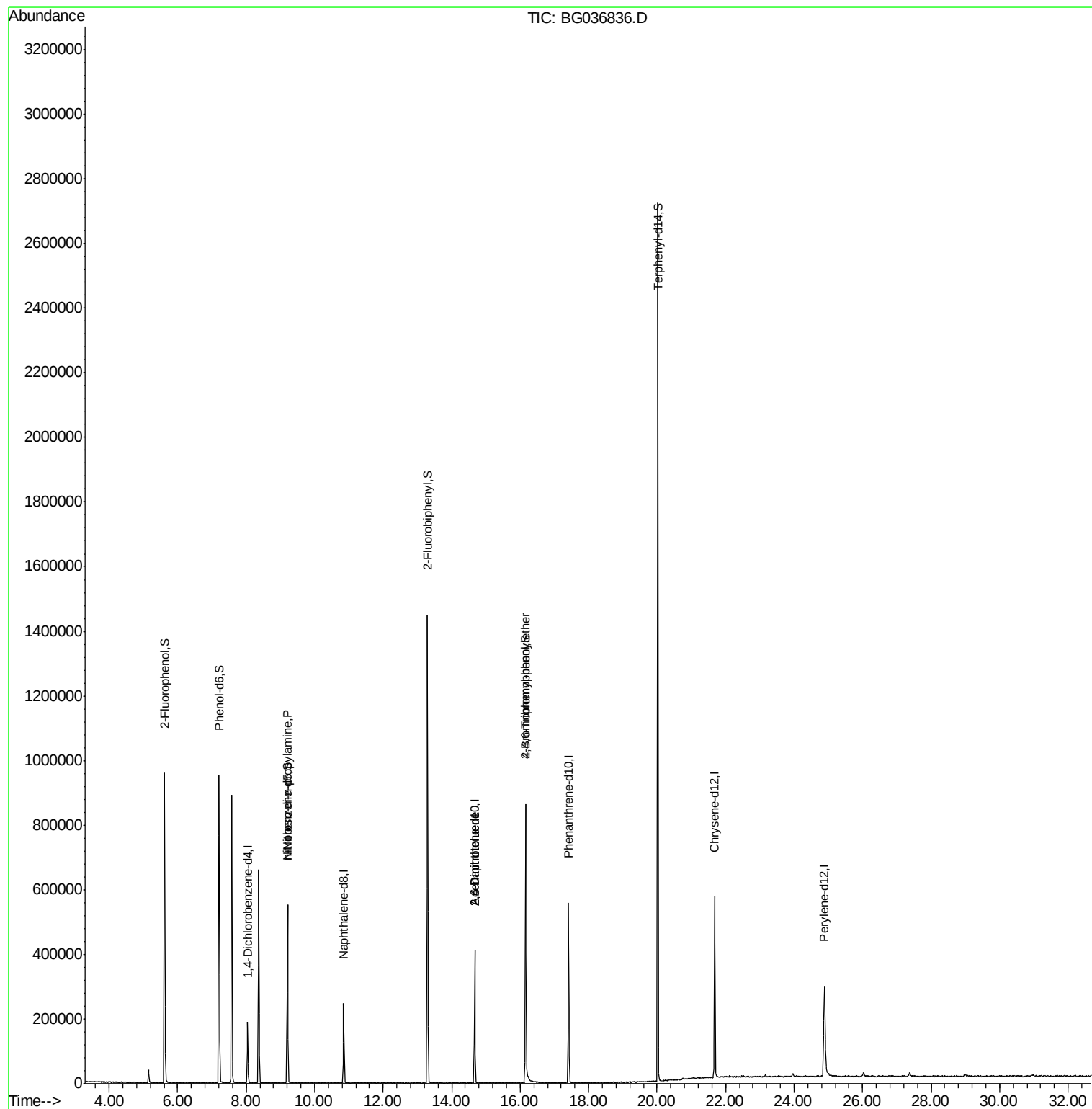
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	51802	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	213013	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	142711	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	360460	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	367687	20.00	ng	-0.01
86) Perylene-d12	24.88	264	348263	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	389833	119.38	ng	0.00
7) Phenol-d6	7.20	99	541440	115.80	ng	-0.01
23) Nitrobenzene-d5	9.21	82	331161	84.35	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	177651	104.33	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	785164	78.56	ng	-0.02
78) Terphenyl-d14	20.02	244	1298286	82.53	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	44867	12.840	ng	# 70
50) 2,6-Dinitrotoluene	14.67	165	18202	7.591	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	18202	5.824	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	12036	2.852	ng	# 1

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

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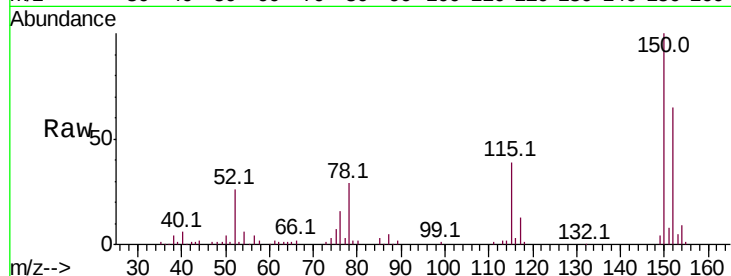


#1

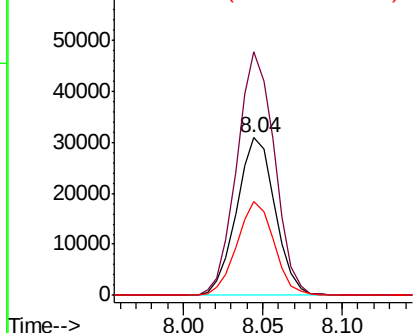
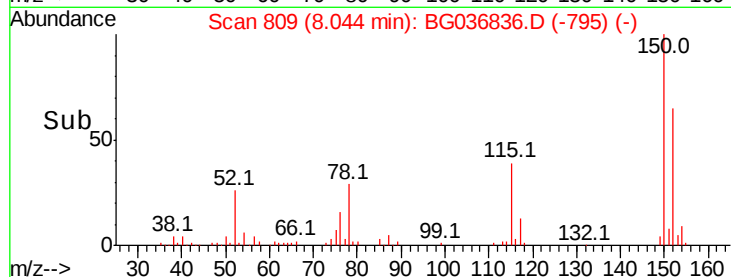
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.02 min
Lab File: BG036836.D
Acq: 20 Sep 2018 1:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 51802
Ion Ratio Lower Upper
152 100
150 154.8 119.5 179.3
115 59.7 44.5 66.7



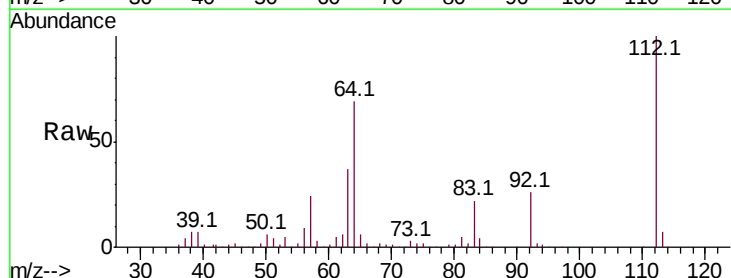
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



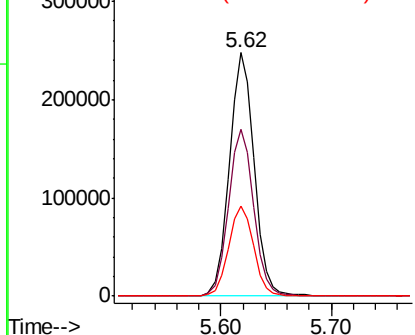
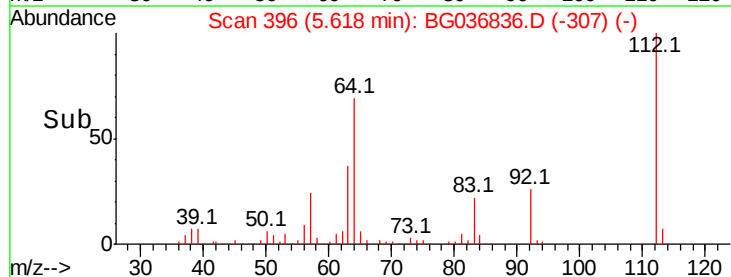
#5

2-Fluorophenol
Concen: 119.376 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG036836.D
Acq: 20 Sep 2018 1:50

Tgt Ion:112 Resp: 389833
Ion Ratio Lower Upper
112 100
64 68.6 57.2 85.8
63 36.9 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: 115.803 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036836.D

Acq: 20 Sep 2018 1:50

Instrument :

BNA_G

ClientSampleId :

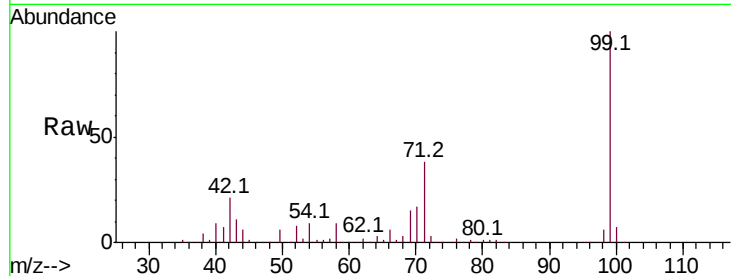
Tot Ion: 99 Resp: 541440

Ion Ratio Lower Upper

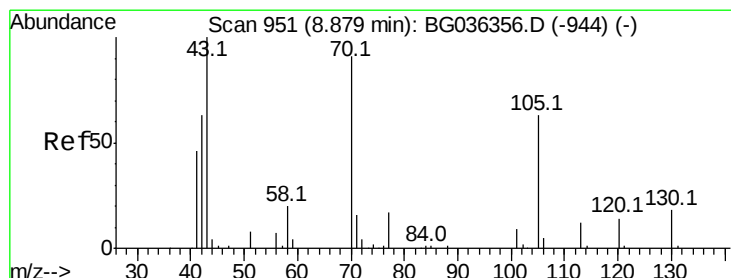
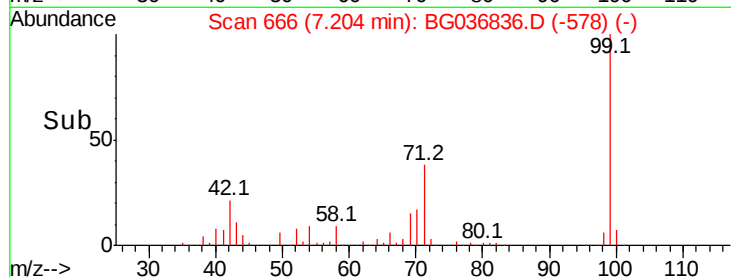
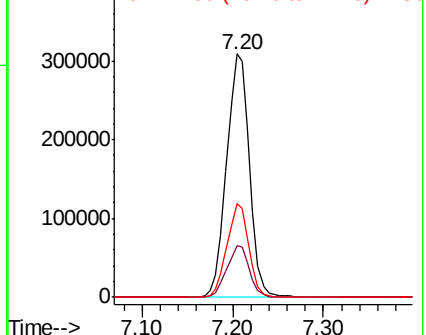
99 100

42 21.3 16.5 24.7

71 38.4 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: 12.840 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036836.D

Acq: 20 Sep 2018 1:50

Tgt Ion: 70 Resp: 44867

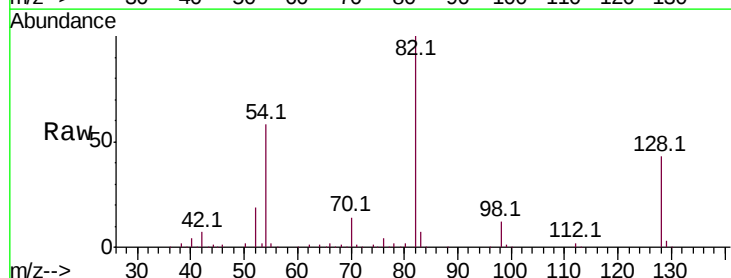
Ion Ratio Lower Upper

70 100

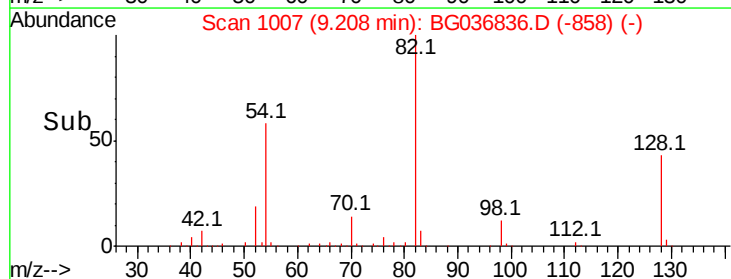
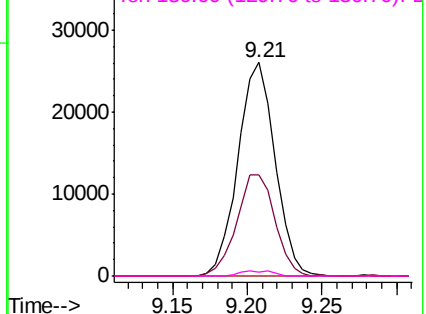
42 47.4 56.2 84.4#

101 0.0 7.8 11.6#

130 1.9 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

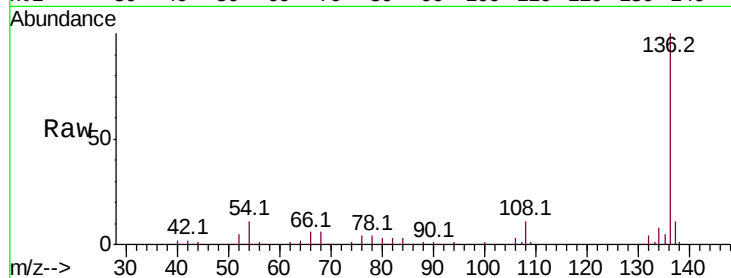




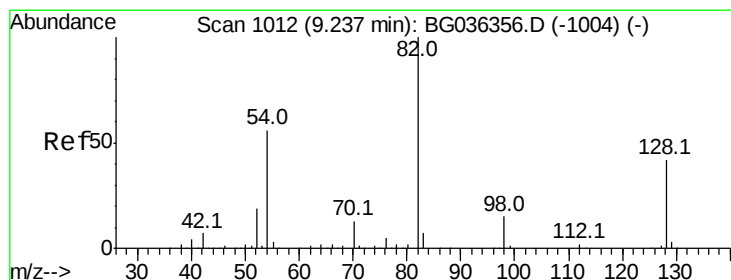
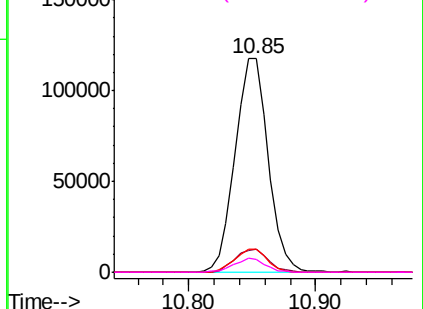
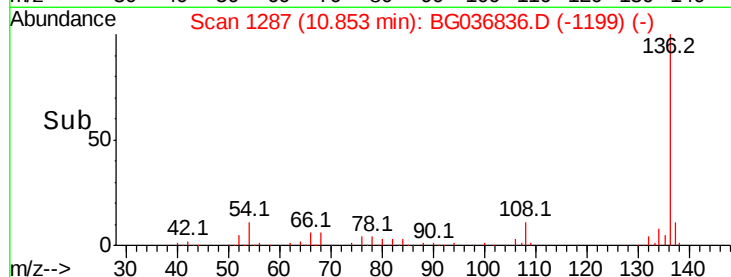
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036836.D
Acq: 20 Sep 2018 1:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	213013
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	10.7	9.2	13.8
68	5.9	5.8	8.6

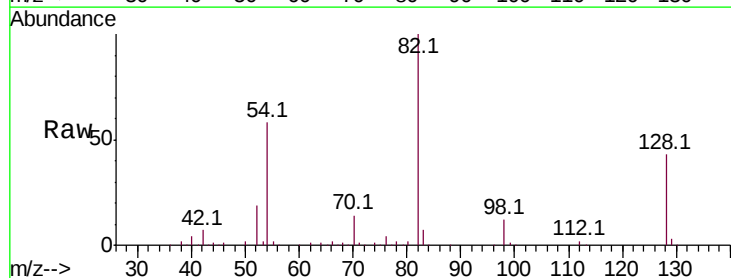


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

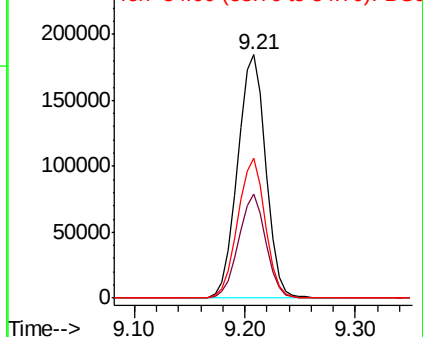
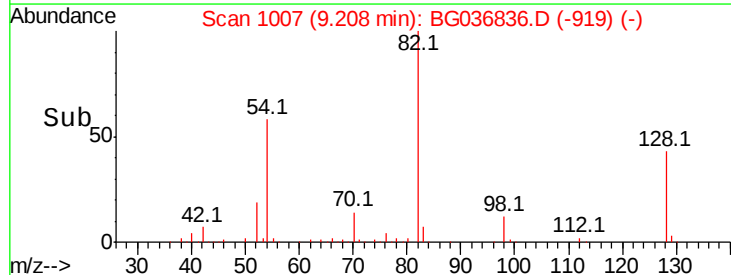


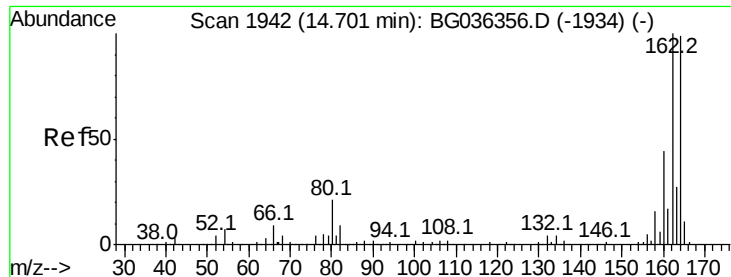
#23
Nitrobenzene-d5
Concen: 84.350 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036836.D
Acq: 20 Sep 2018 1:50

Tgt Ion:	82	Resp:	331161
Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.3	49.9
54	57.7	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: BG036836.D

Acq: 20 Sep 2018 1:50

Instrument :

BNA_G

ClientSampleId :

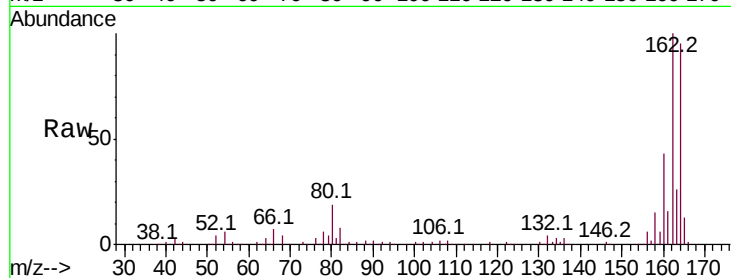
Tot Ion:164 Resp: 142711

Ion Ratio Lower Upper

164 100

162 105.1 80.7 121.1

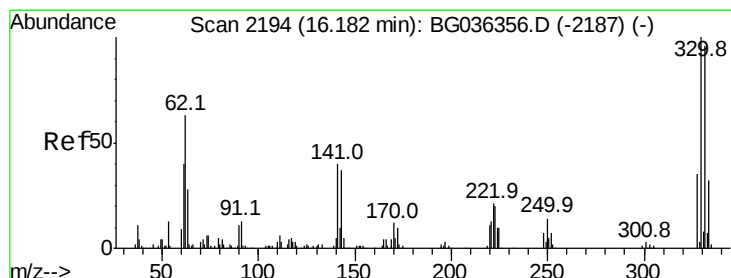
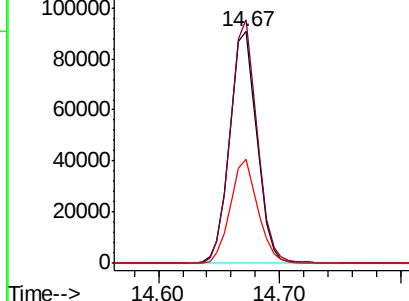
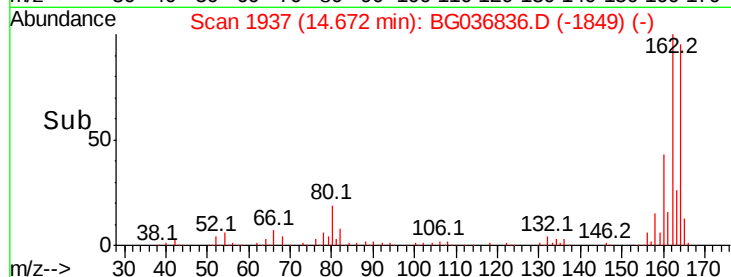
160 44.9 35.3 52.9



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: 104.325 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036836.D

Acq: 20 Sep 2018 1:50

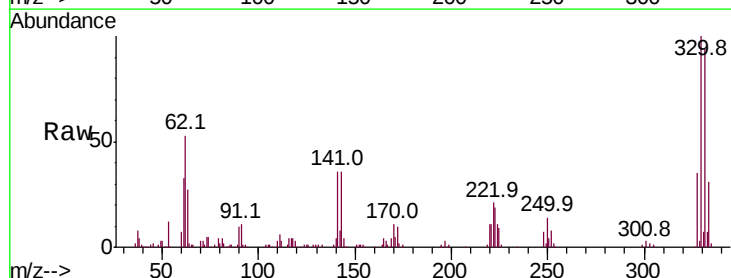
Tgt Ion:330 Resp: 177651

Ion Ratio Lower Upper

330 100

332 97.0 75.4 113.2

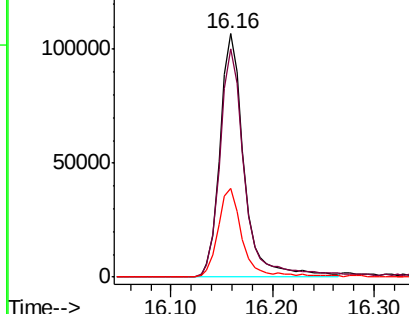
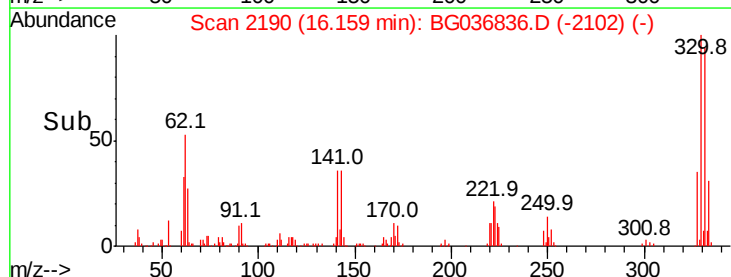
141 36.8 30.7 46.1



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

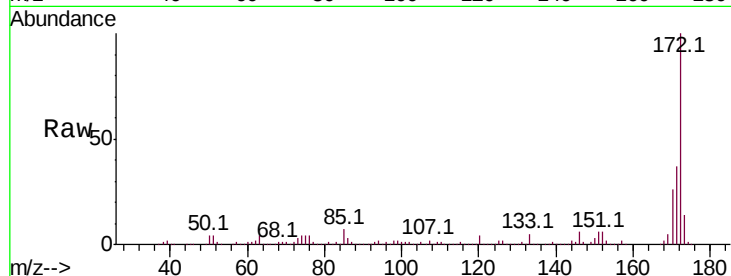




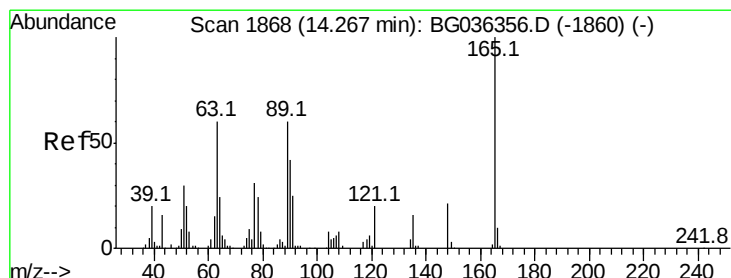
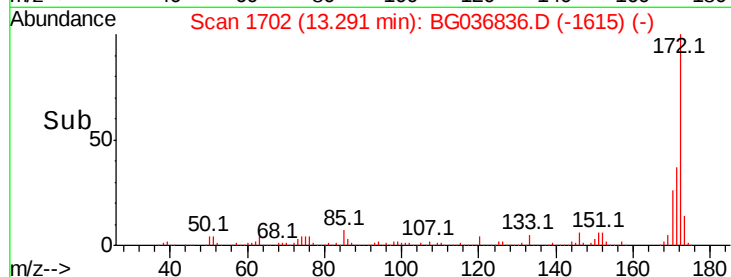
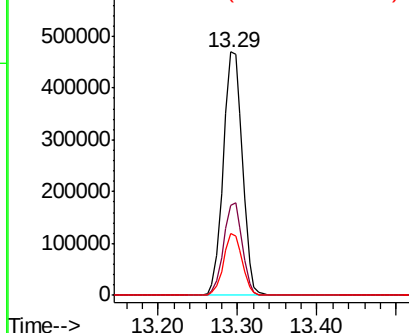
#44
 2-Fluorobiphenyl
 Concen: 78.555 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.02 min
 Lab File: BG036836.D
 Acq: 20 Sep 2018 1:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	31.3	46.9
170	25.6	21.0	31.6

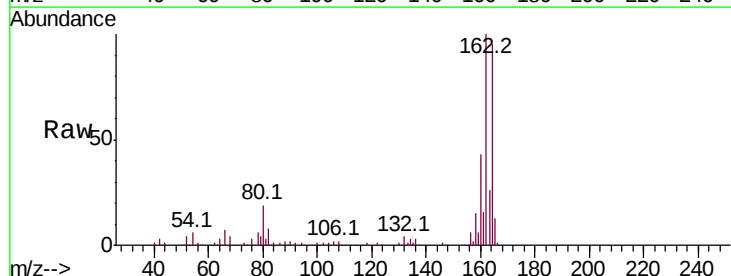


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

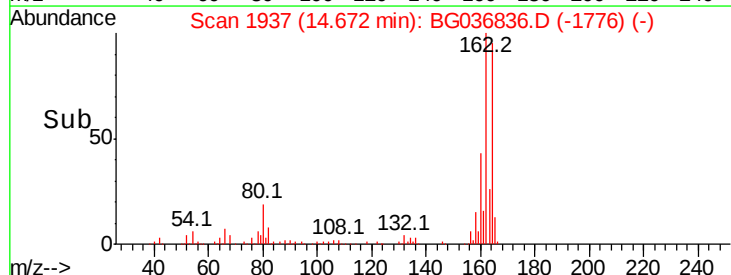
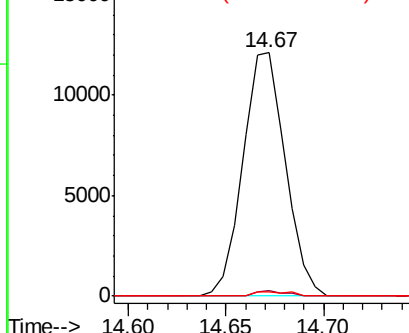


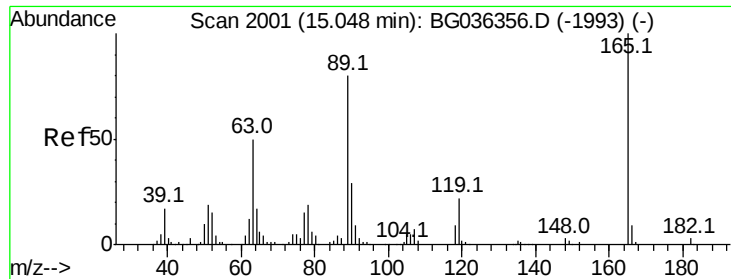
#50
 2,6-Dinitrotoluene
 Concen: 7.591 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG036836.D
 Acq: 20 Sep 2018 1:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	50.1	75.1#
89	1.5	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

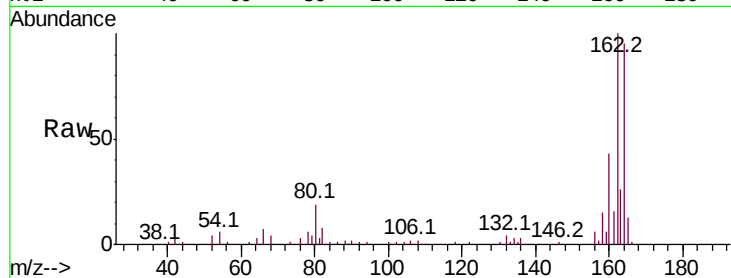




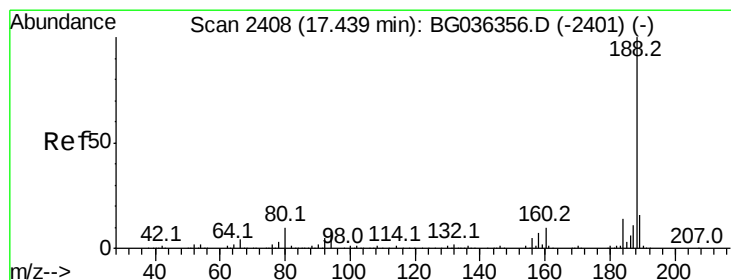
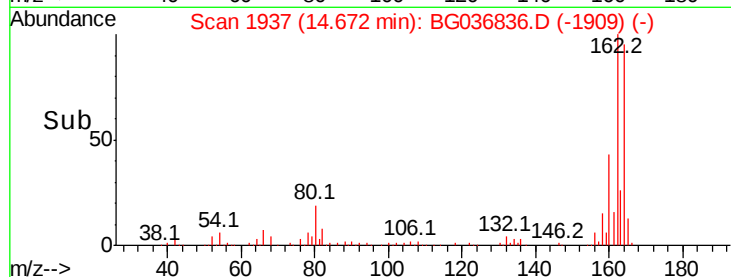
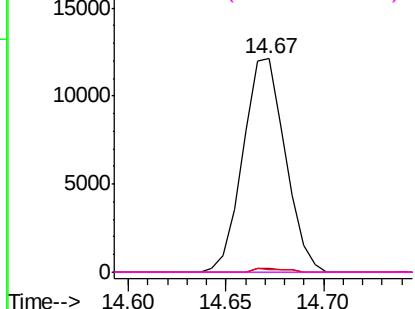
#56
 2,4-Dinitrotoluene
 Concen: 5.824 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.37 min
 Lab File: BG036836.D
 Acq: 20 Sep 2018 1:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	40.1	60.1#
89	1.5	63.7	95.5#
182	0.0	2.5	3.7#

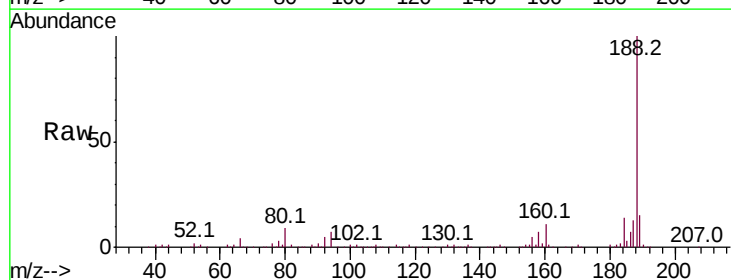


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

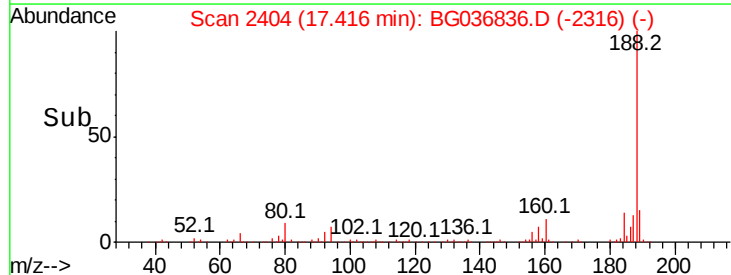
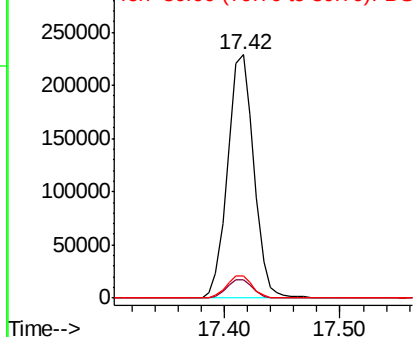


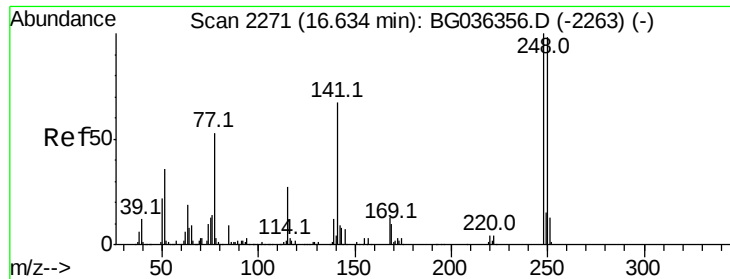
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG036836.D
 Acq: 20 Sep 2018 1:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.7	10.1
80	9.1	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

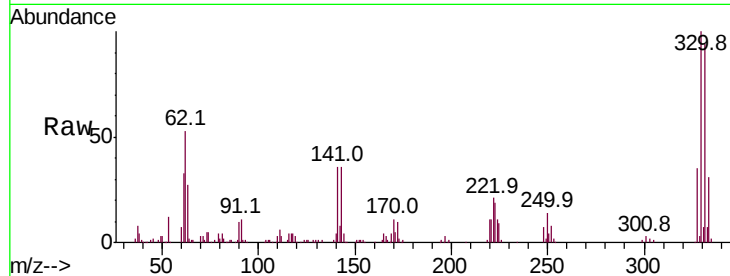




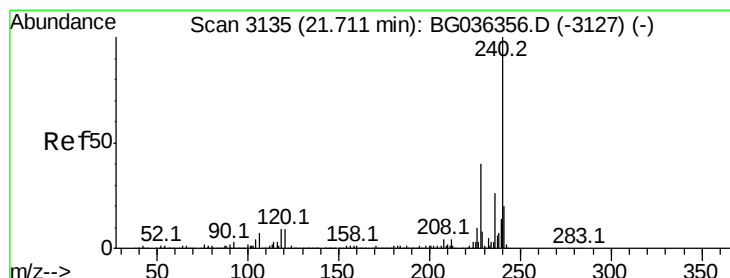
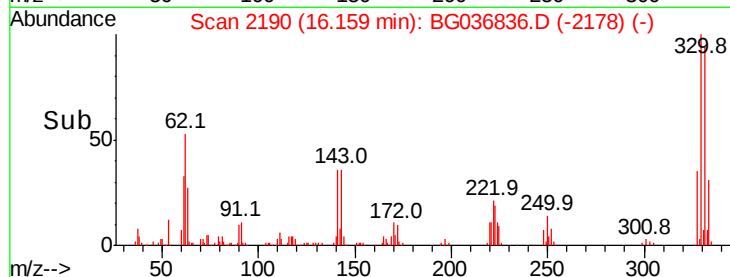
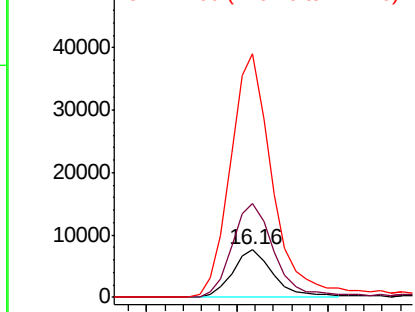
#66
 4-Bromophenyl-phenylether
 Concen: 2.852 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.46 min
 Lab File: BG036836.D
 Acq: 20 Sep 2018 1:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 12036
 Ion Ratio Lower Upper
 248 100
 250 196.4 78.1 117.1#
 141 511.2 53.7 80.5#

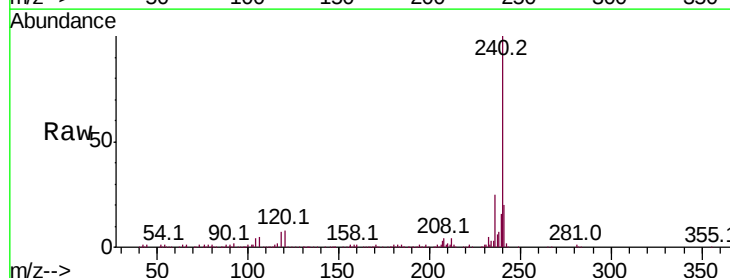


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

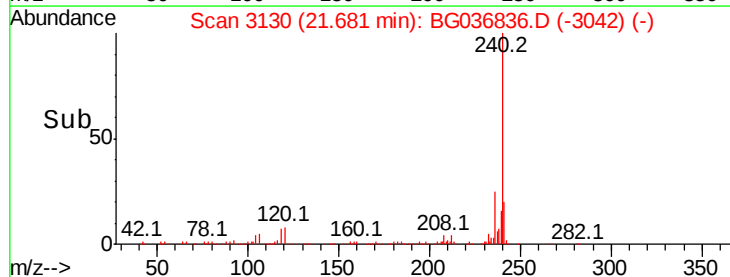
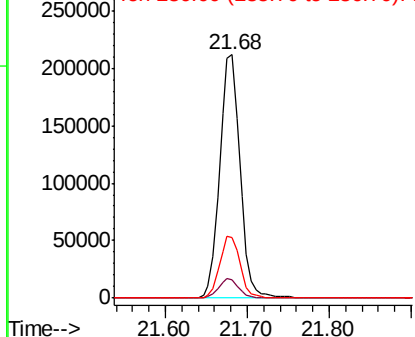


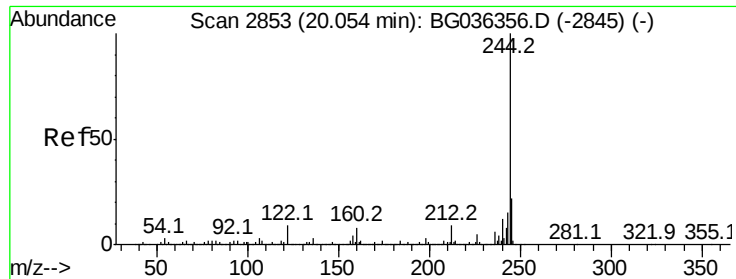
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036836.D
 Acq: 20 Sep 2018 1:50

Tgt Ion:240 Resp: 367687
 Ion Ratio Lower Upper
 240 100
 120 7.6 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





#78

Terphenyl-d14

Concen: 82.530 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG036836.D

Acq: 20 Sep 2018 1:50

Instrument :

BNA_G

ClientSampleId :

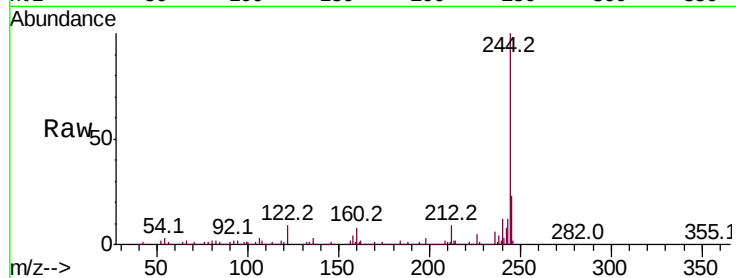
Tot Ion:244 Resp: 1298286

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.0	10.6
122	9.2	7.1	10.7

244 100

212 8.8 7.0 10.6

122 9.2 7.1 10.7

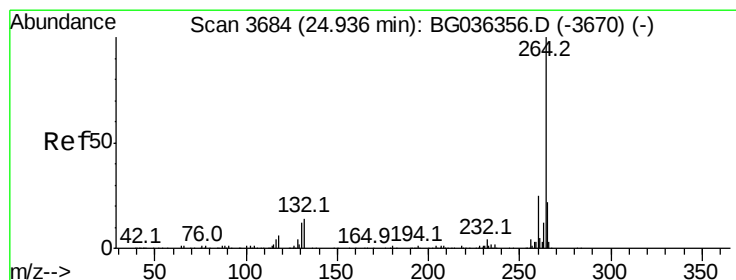
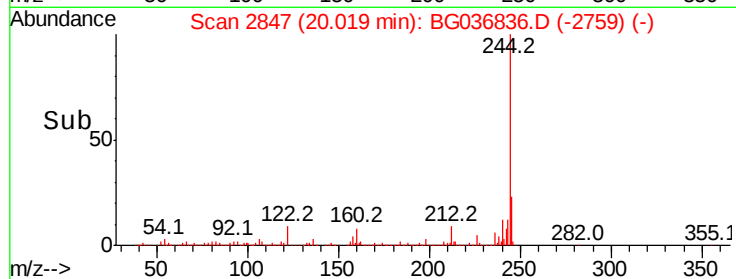
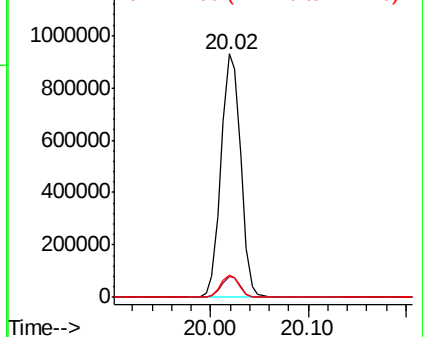


Abundance

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: 24.88 min Scan# 3675

Delta R.T. -0.02 min

Lab File: BG036836.D

Acq: 20 Sep 2018 1:50

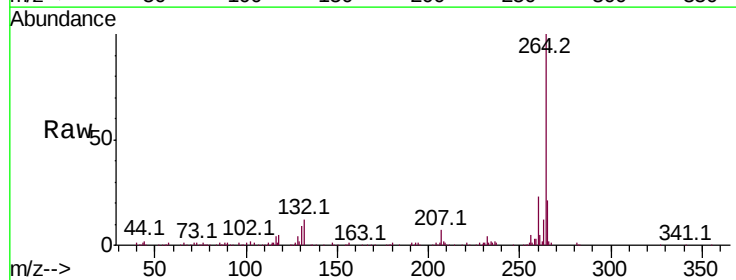
Tgt Ion:264 Resp: 348263

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.6	29.4
265	20.6	17.4	26.0

264 100

260 23.0 19.6 29.4

265 20.6 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

