

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091818\
 Data File : BG036800.D
 Acq On : 19 Sep 2018 00:21
 Operator : JU/SJ
 Sample : J4922-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 05:54:50 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

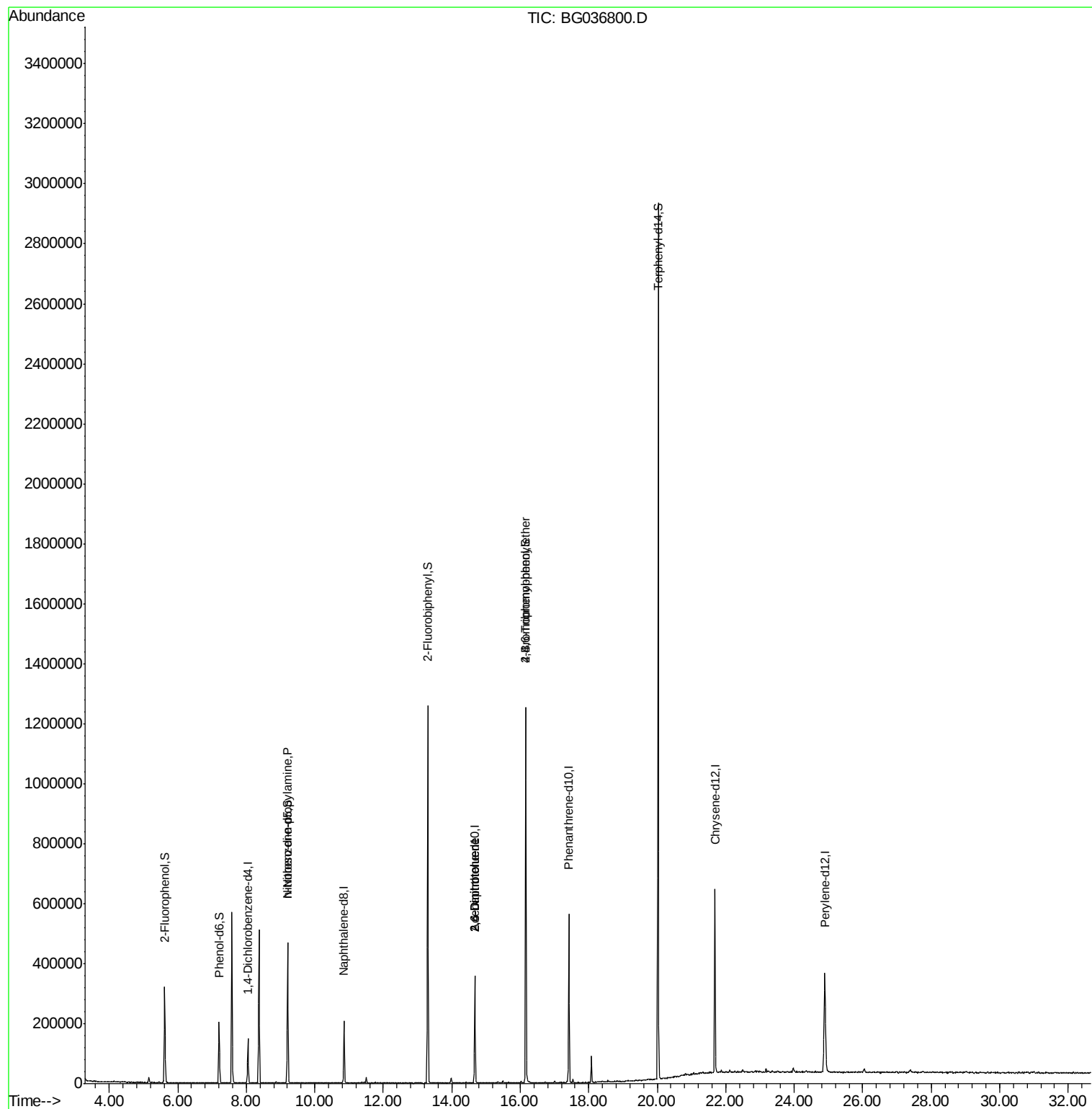
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	42849	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	177829	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	124566	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	356873	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	378021	20.00	ng	-0.01
86) Perylene-d12	24.89	264	371922	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	132134	48.92	ng	0.00
7) Phenol-d6	7.21	99	117484	30.38	ng	-0.01
23) Nitrobenzene-d5	9.21	82	280722	85.65	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	228815	153.94	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	658377	75.47	ng	-0.01
78) Terphenyl-d14	20.03	244	1369549	84.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	38212	13.220	ng	# 70
50) 2,6-Dinitrotoluene	14.67	165	15763	7.531	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	15763	5.779	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	15957	3.819	ng	# 1

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

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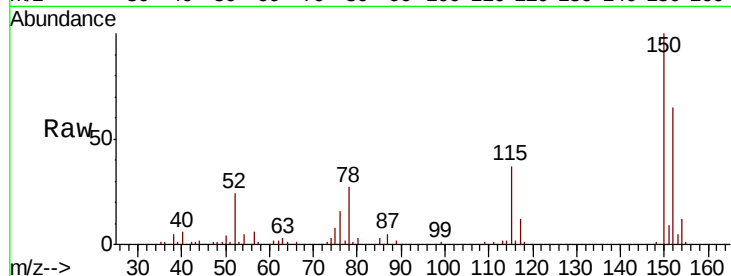


#1

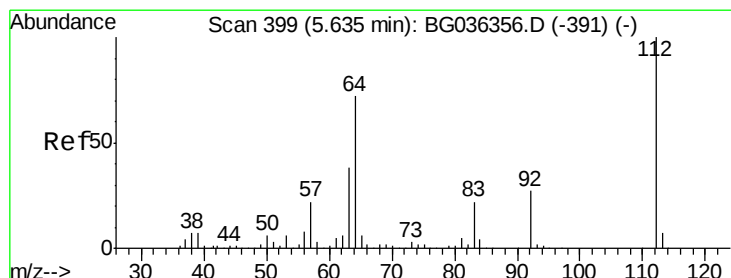
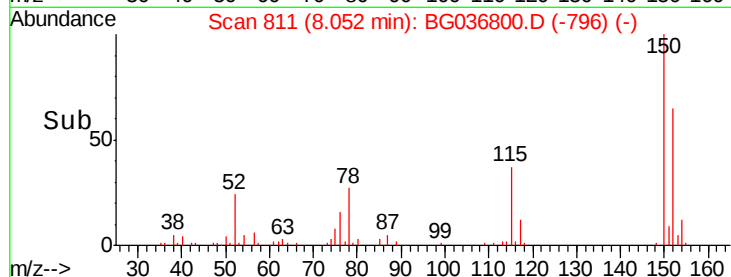
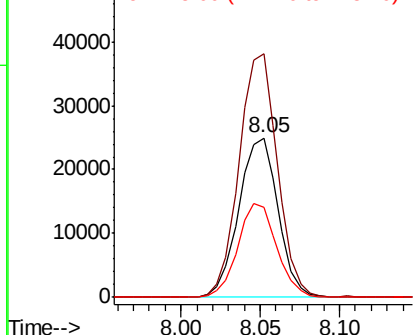
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG036800.D
Acq: 19 Sep 2018 00:21

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 42849
Ion Ratio Lower Upper
152 100
150 152.8 119.5 179.3
115 56.2 44.5 66.7



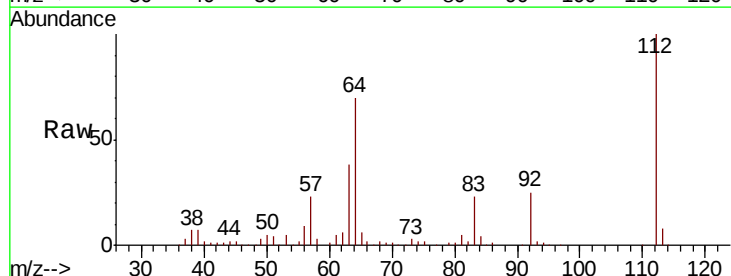
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



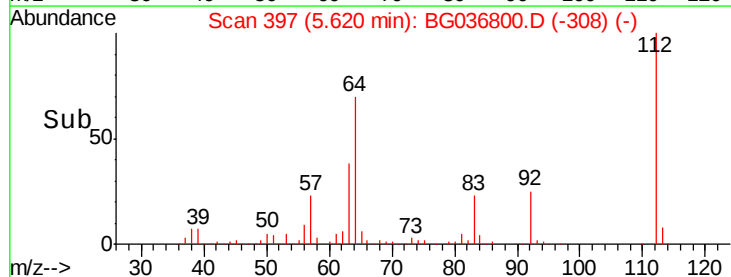
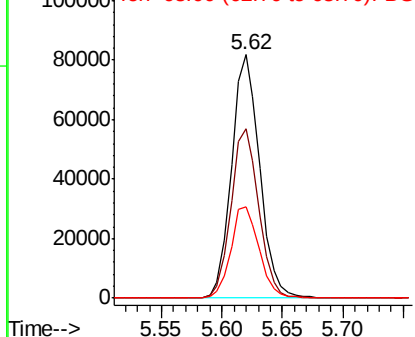
#5

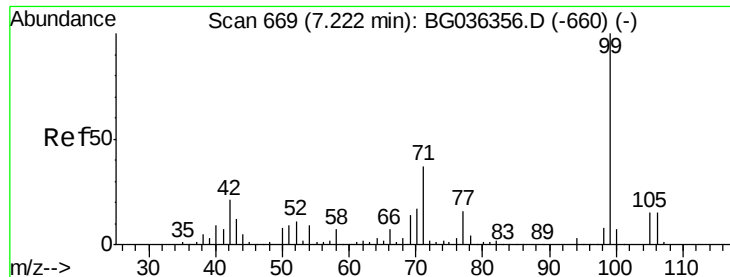
2-Fluorophenol
Concen: 48.917 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.01 min
Lab File: BG036800.D
Acq: 19 Sep 2018 00:21

Tgt Ion:112 Resp: 132134
Ion Ratio Lower Upper
112 100
64 69.5 57.2 85.8
63 37.7 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: 30.378 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036800.D

Acq: 19 Sep 2018 00:21

Instrument :

BNA_G

ClientSampled :

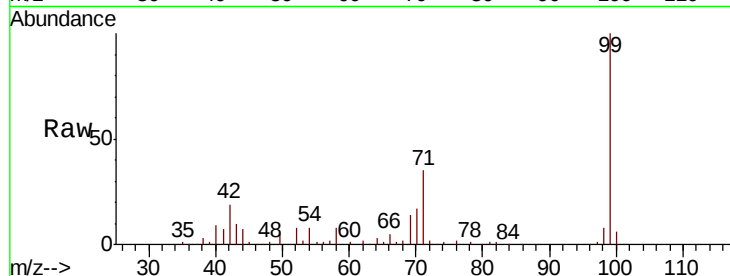
Tot Ion: 99 Resp: 117484

Ion Ratio Lower Upper

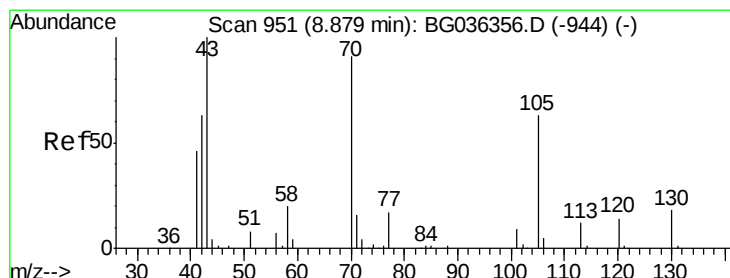
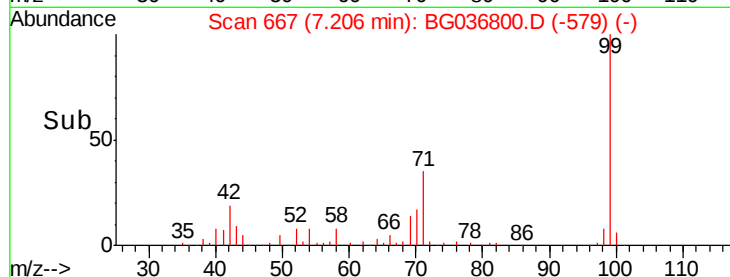
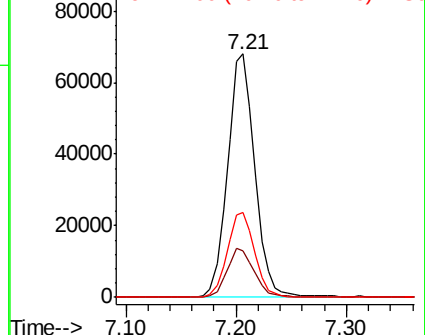
99 100

42 19.1 16.5 24.7

71 34.8 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: 13.220 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036800.D

Acq: 19 Sep 2018 00:21

Tgt Ion: 70 Resp: 38212

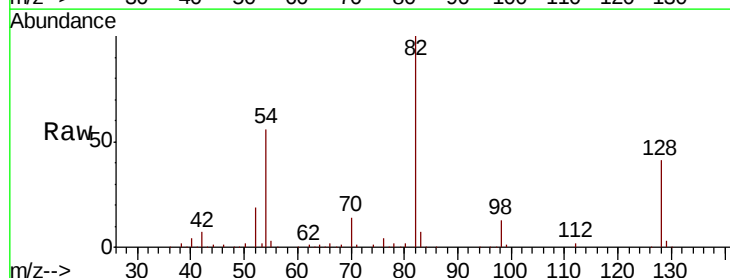
Ion Ratio Lower Upper

70 100

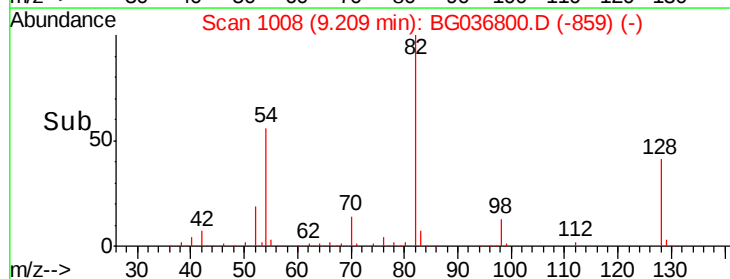
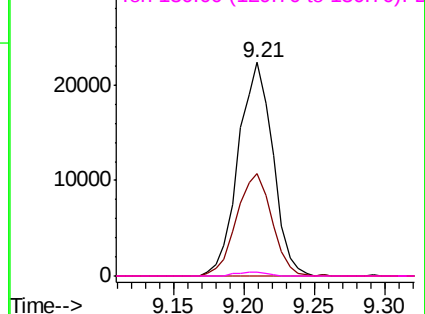
42 47.8 56.2 84.4#

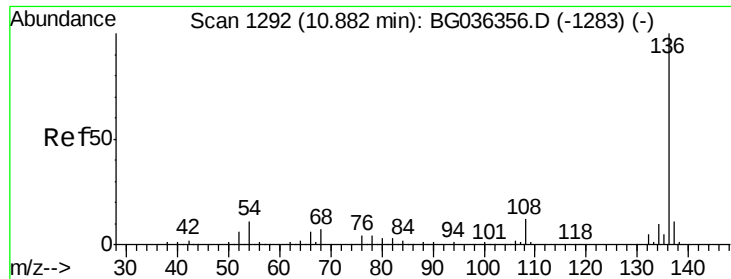
101 0.0 7.8 11.6#

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

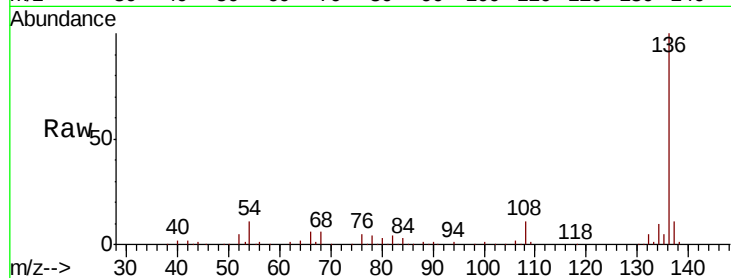




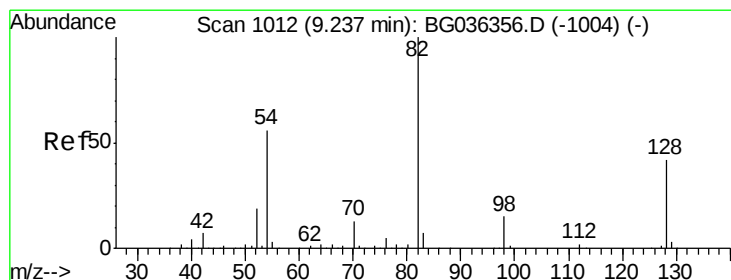
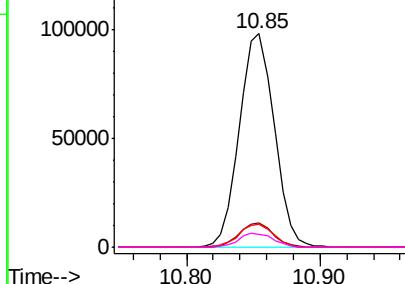
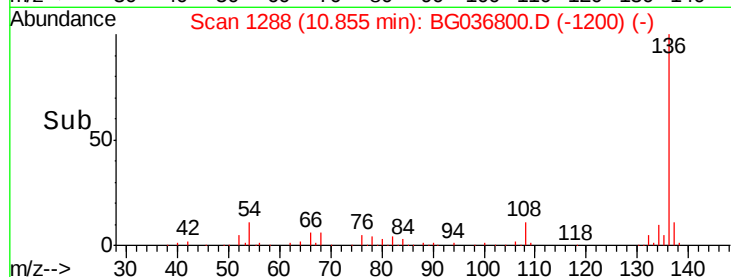
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036800.D
Acq: 19 Sep 2018 00:21

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	177829	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	8.8	13.2	
54 11.1	9.2	13.8	
68 6.2	5.8	8.6	

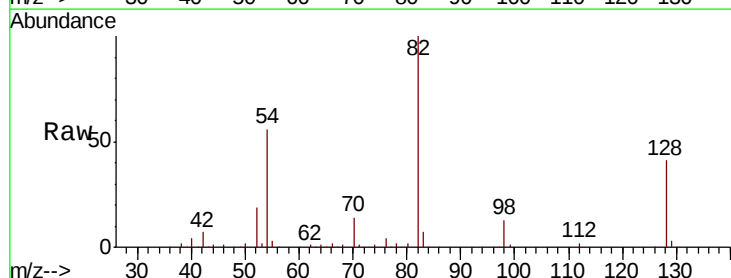


Abundance Ion 136.00 (135.70 to 136.70): E
150000 Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

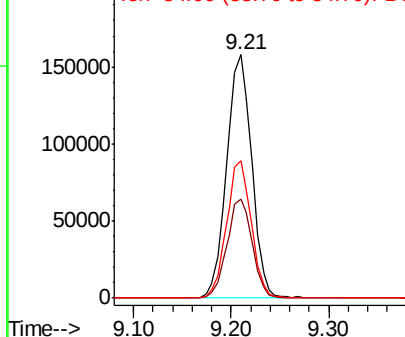
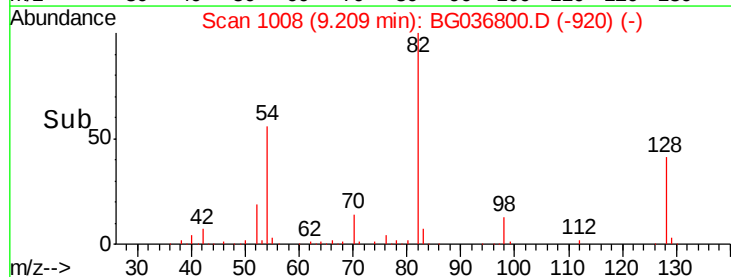


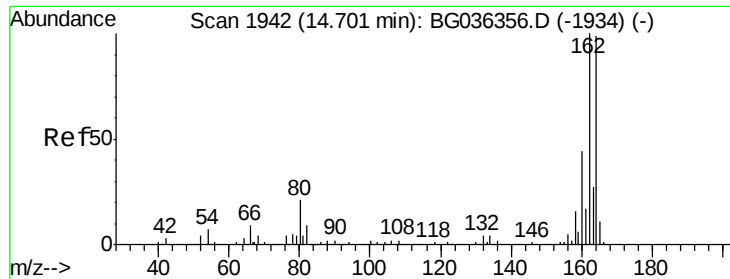
#23
Nitrobenzene-d5
Concen: 85.650 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036800.D
Acq: 19 Sep 2018 00:21

Tgt Ion: 82	Resp: 280722
Ion Ratio	Lower Upper
82 100	
128 40.8	33.3 49.9
54 56.2	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# 1938

Delta R.T. -0.01 min

Lab File: BG036800.D

Acq: 19 Sep 2018 00:21

Instrument :

BNA_G

ClientSampleId :

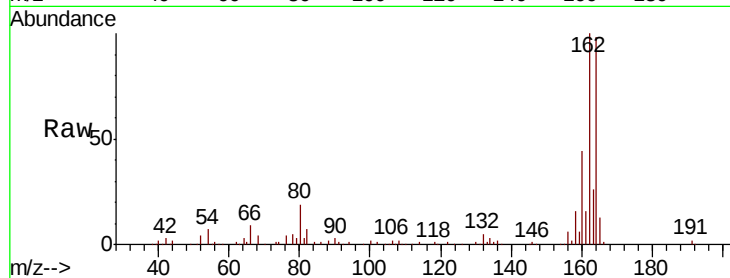
Tot Ion:164 Resp: 124566

Ion Ratio Lower Upper

164 100

162 101.7 80.7 121.1

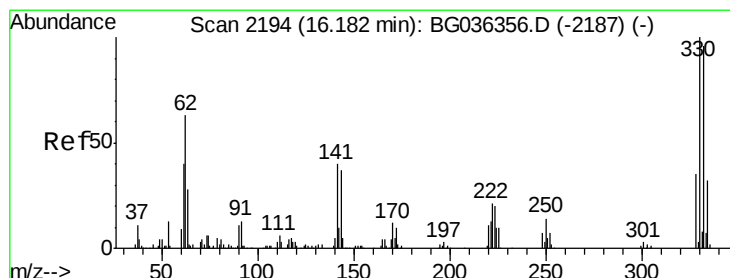
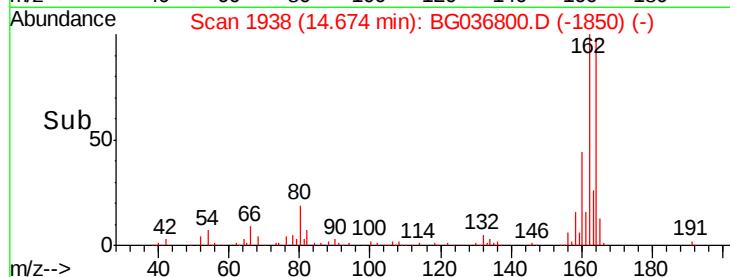
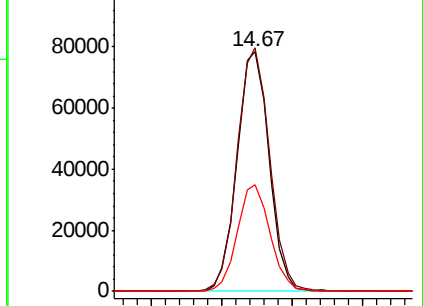
160 44.6 35.3 52.9



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: 153.944 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036800.D

Acq: 19 Sep 2018 00:21

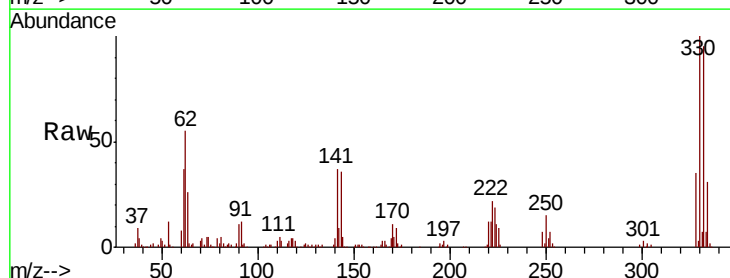
Tgt Ion:330 Resp: 228815

Ion Ratio Lower Upper

330 100

332 94.6 75.4 113.2

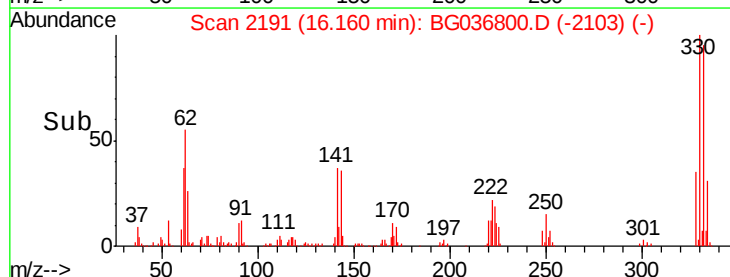
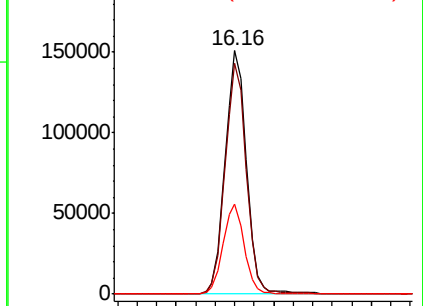
141 36.5 30.7 46.1



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: 75.465 ng

RT: 13.30 min Scan# 1704

Delta R.T. -0.01 min

Lab File: BG036800.D

Acq: 19 Sep 2018 00:21

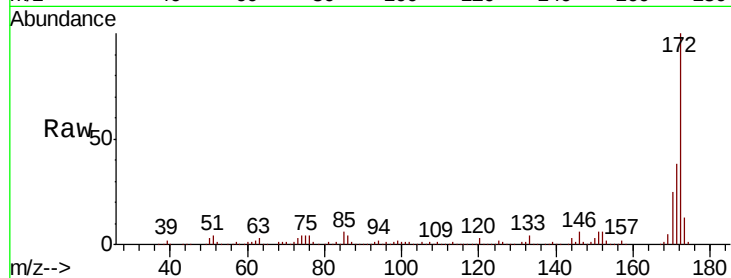
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 658377

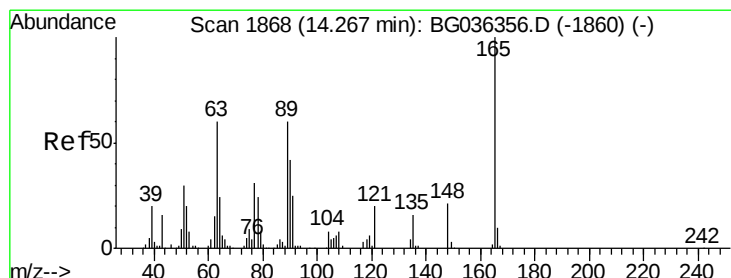
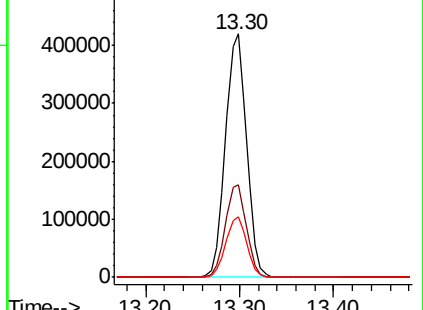
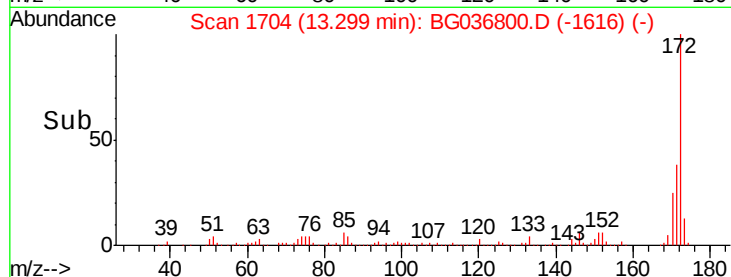
Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.3	46.9
170	24.9	21.0	31.6



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: 7.531 ng

RT: 14.67 min Scan# 1938

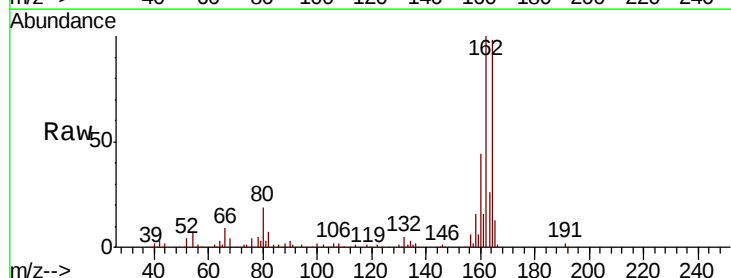
Delta R.T. 0.42 min

Lab File: BG036800.D

Acq: 19 Sep 2018 00:21

Tgt Ion:165 Resp: 15763

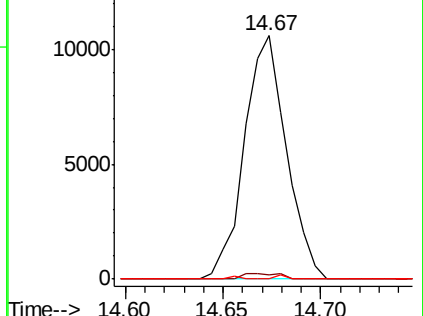
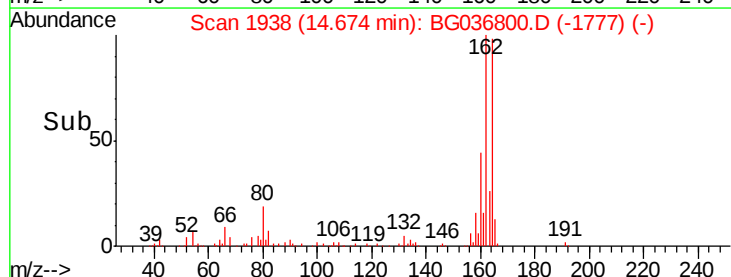
Ion	Ratio	Lower	Upper
165	100		
63	1.5	50.1	75.1#
89	0.0	47.8	71.6#

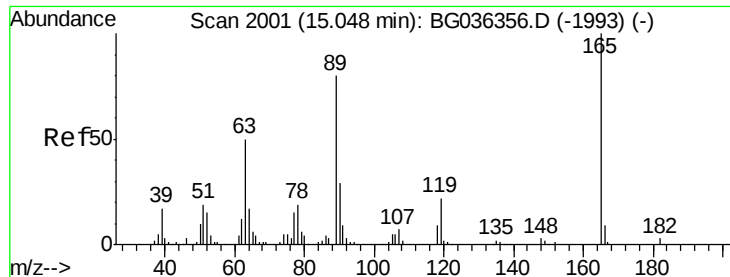


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

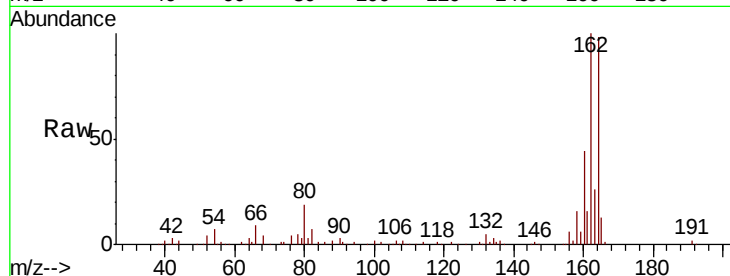




#56
2,4-Dinitrotoluene
Concen: 5.779 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.36 min
Lab File: BG036800.D
Acq: 19 Sep 2018 00:21

Instrument :
BNA_G
ClientSampleId :

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



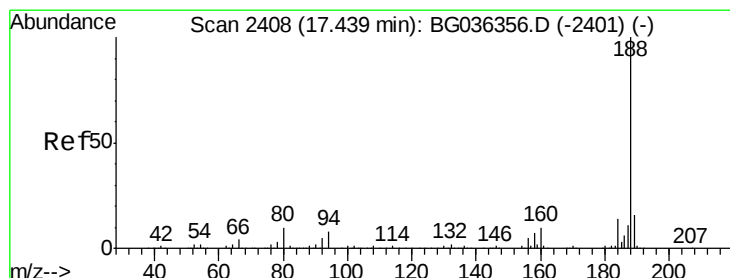
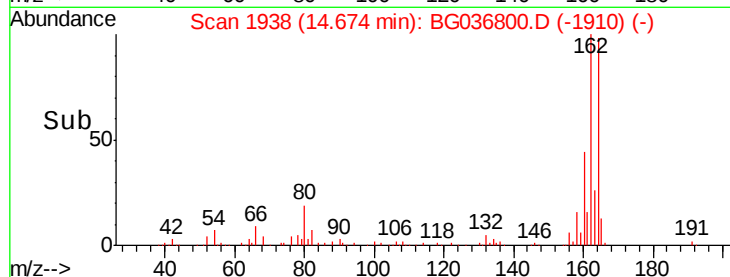
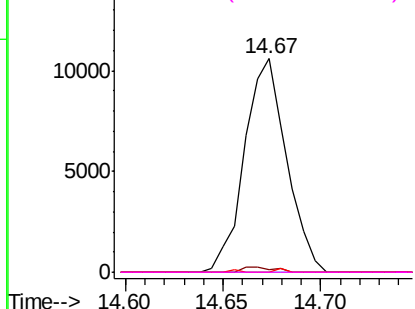
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

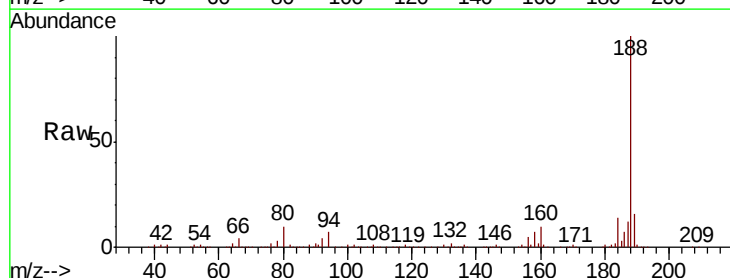
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BG036800.D
Acq: 19 Sep 2018 00:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.7	10.1
80	9.7	8.1	12.1

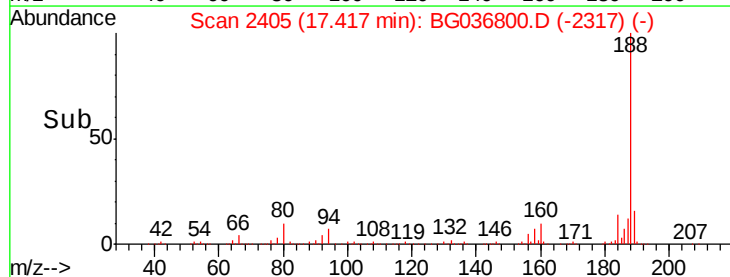
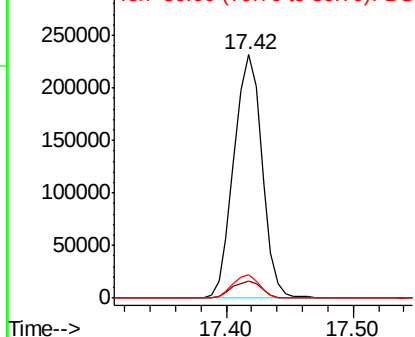


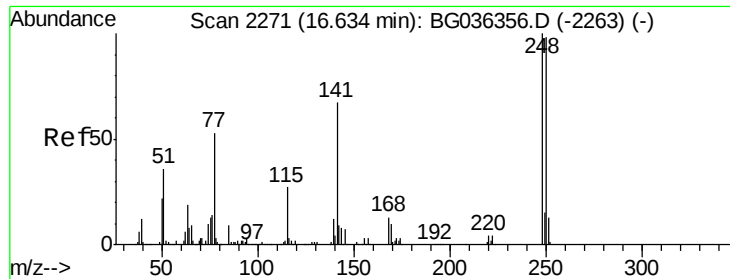
Abundance

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

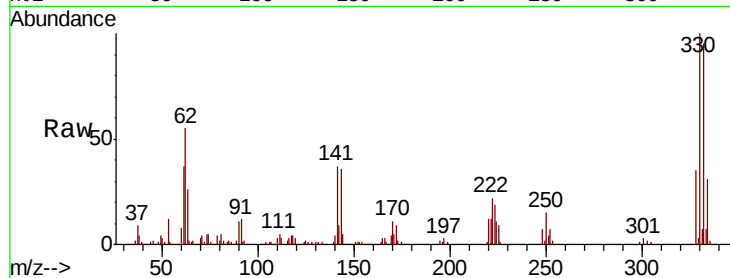




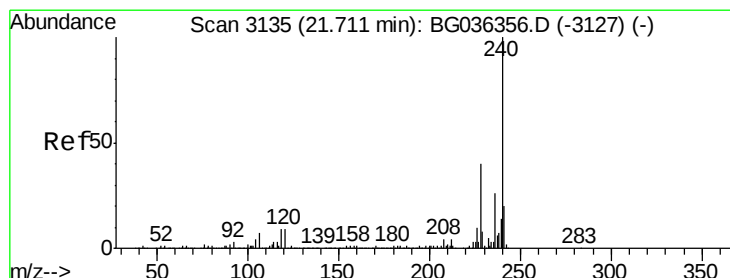
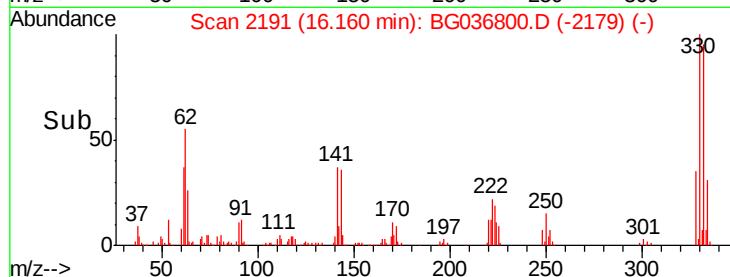
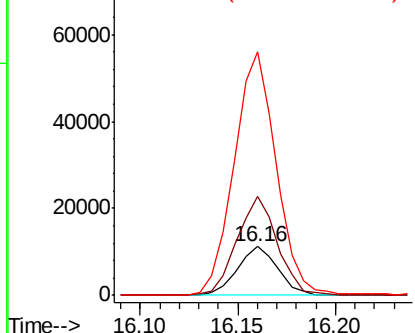
#66
4-Bromophenyl-phenylether
Concen: 3.819 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.46 min
Lab File: BG036800.D
Acq: 19 Sep 2018 00:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 15957
Ion Ratio Lower Upper
248 100
250 201.9 78.1 117.1#
141 499.6 53.7 80.5#

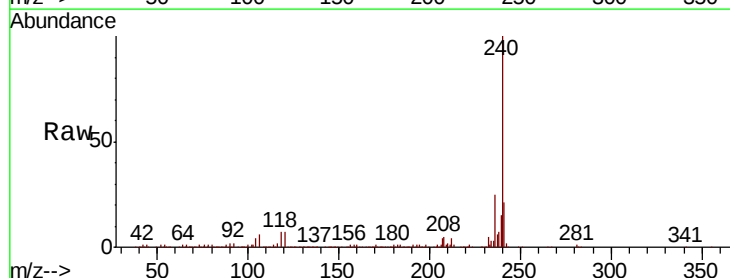


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

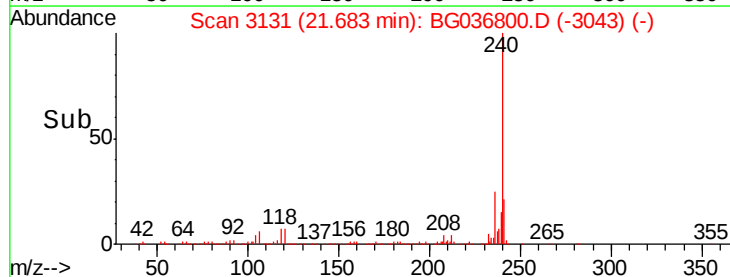
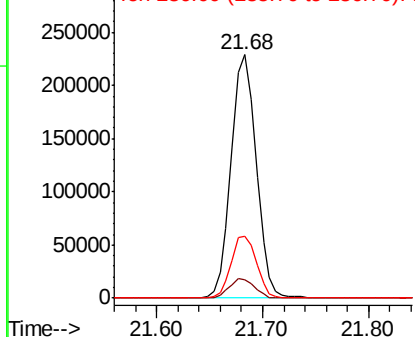


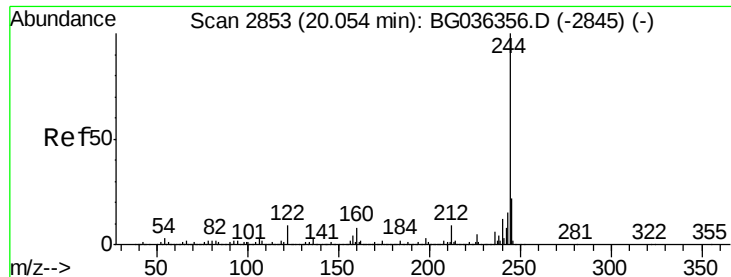
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG036800.D
Acq: 19 Sep 2018 00:21

Tgt Ion:240 Resp: 378021
Ion Ratio Lower Upper
240 100
120 7.4 6.9 10.3
236 25.2 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: 84.681 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG036800.D

Acq: 19 Sep 2018 00:21

Instrument :

BNA_G

ClientSampleId :

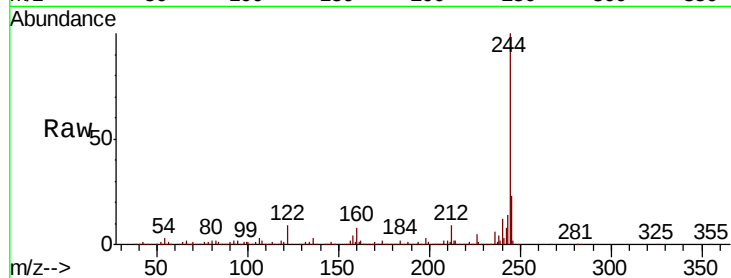
Tot Ion:244 Resp: 1369549

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

244 100

212 8.8 7.0 10.6

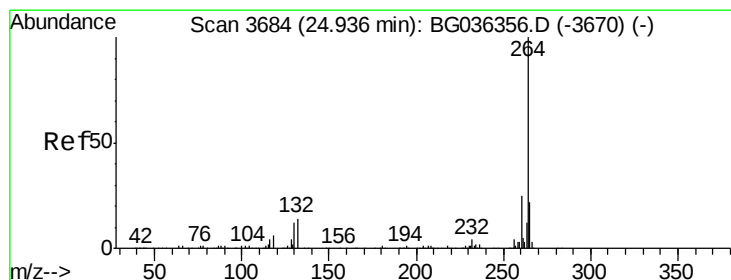
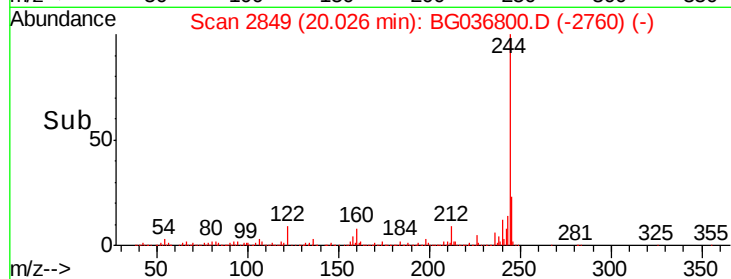
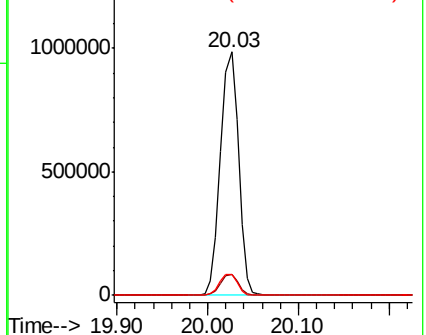
122 8.8 7.1 10.7



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

Perylene-d12

Concen: 20.000 ng

RT: 24.89 min Scan# 3677

Delta R.T. -0.01 min

Lab File: BG036800.D

Acq: 19 Sep 2018 00:21

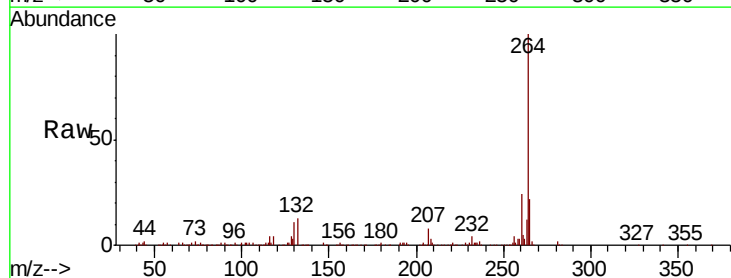
Tgt Ion:264 Resp: 371922

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	22.0	17.4	26.0

264 100

260 23.7 19.6 29.4

265 22.0 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

