

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091918\
 Data File : BG036832.D
 Acq On : 19 Sep 2018 23:13
 Operator : JU/SJ
 Sample : J4973-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 20 07:07:38 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

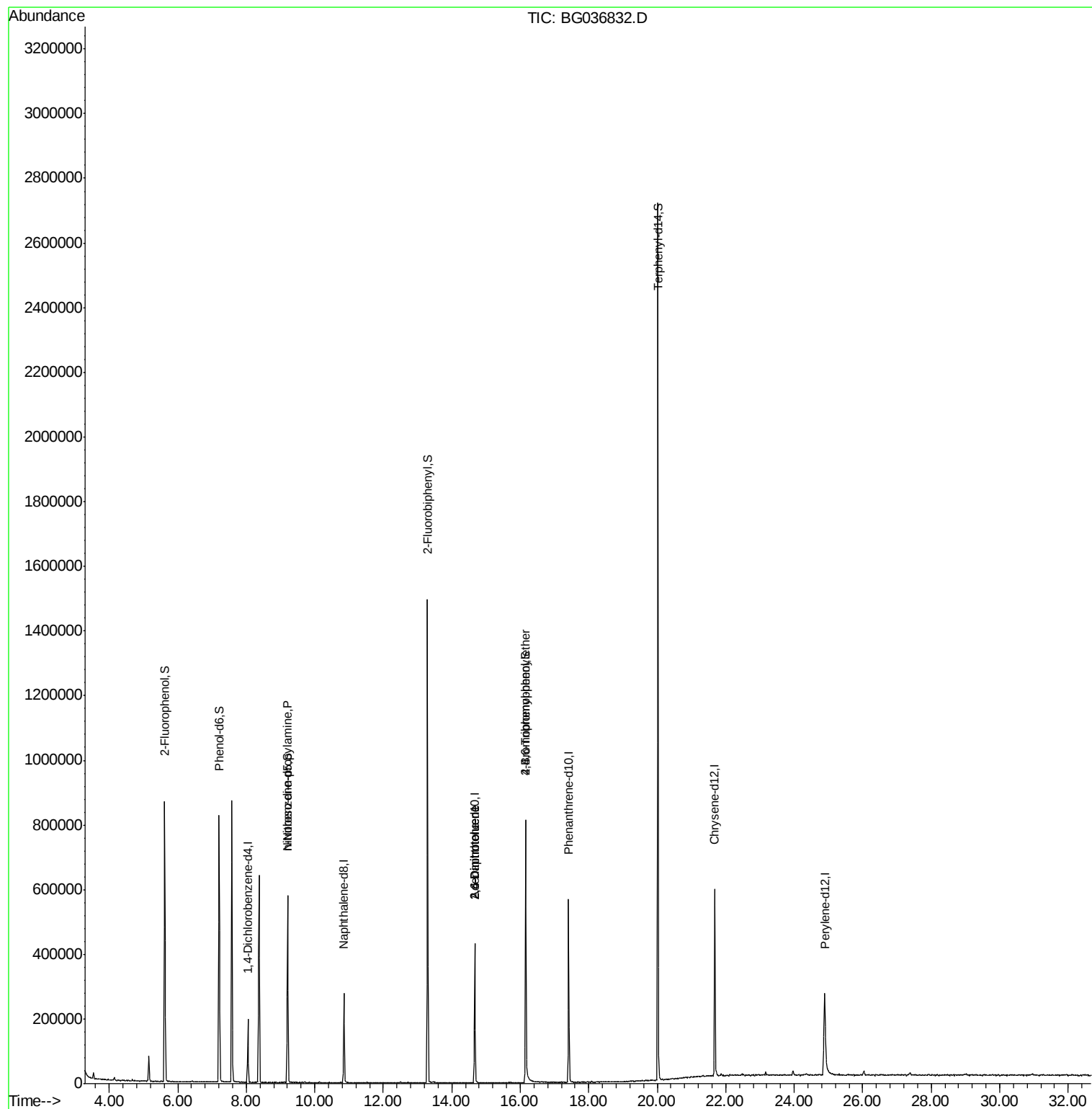
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	55740	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	230461	20.00	ng	-0.02
38) Acenaphthene-d10	14.67	164	149830	20.00	ng	-0.02
63) Phenanthrene-d10	17.41	188	363456	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	370785	20.00	ng	-0.02
86) Perylene-d12	24.88	264	347905	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	355553	101.19	ng	0.00
7) Phenol-d6	7.21	99	466225	92.67	ng	-0.01
23) Nitrobenzene-d5	9.21	82	353154	83.14	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	168437	94.21	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	752944	71.75	ng	-0.02
78) Terphenyl-d14	20.02	244	1267591	79.91	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	47006	12.502	ng	# 75
50) 2,6-Dinitrotoluene	14.67	165	19232	7.639	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	19232	5.861	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	11337	2.664	ng	# 1

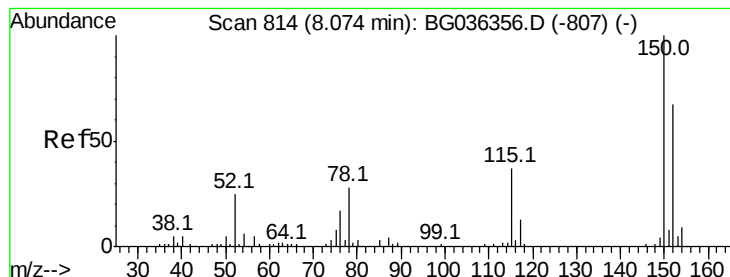
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 810

Delta R.T. -0.02 min

Lab File: BG036832.D

Acq: 19 Sep 2018 23:13

Instrument :

BNA_G

ClientSampleId :

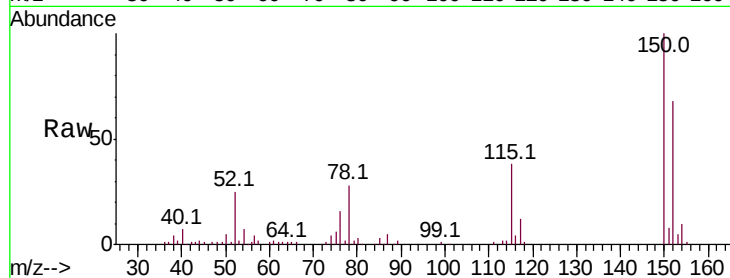
Tot Ion:152 Resp: 55740

Ion Ratio Lower Upper

152 100

150 146.9 119.5 179.3

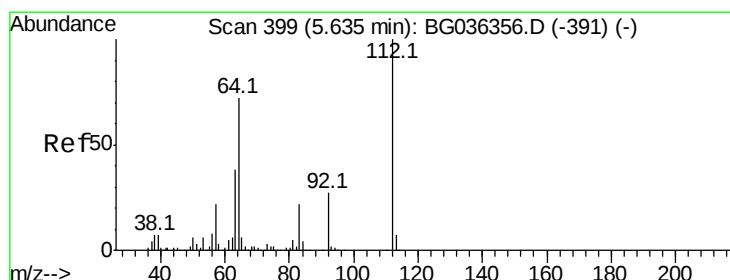
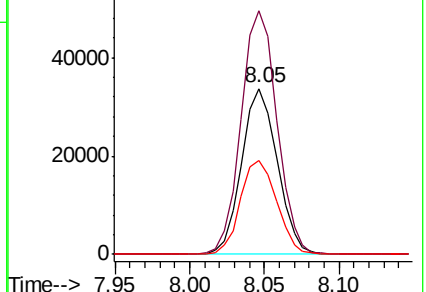
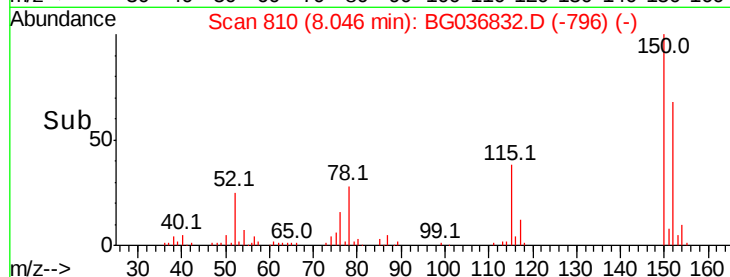
115 56.3 44.5 66.7



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: 101.186 ng

RT: 5.62 min Scan# 397

Delta R.T. -0.01 min

Lab File: BG036832.D

Acq: 19 Sep 2018 23:13

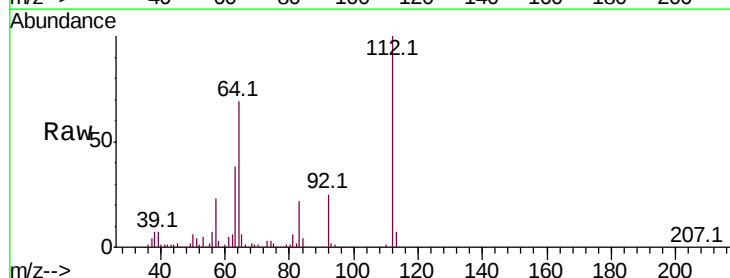
Tgt Ion:112 Resp: 355553

Ion Ratio Lower Upper

112 100

64 69.4 57.2 85.8

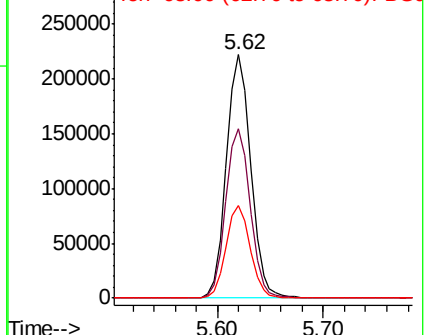
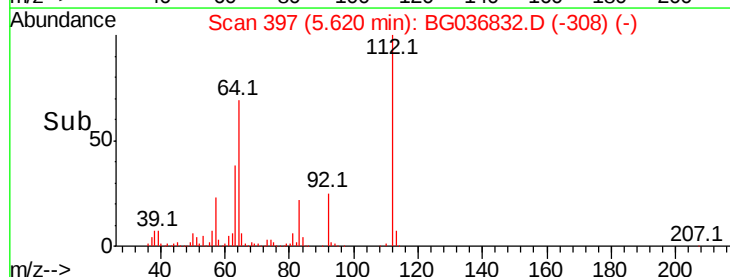
63 38.0 30.8 46.2

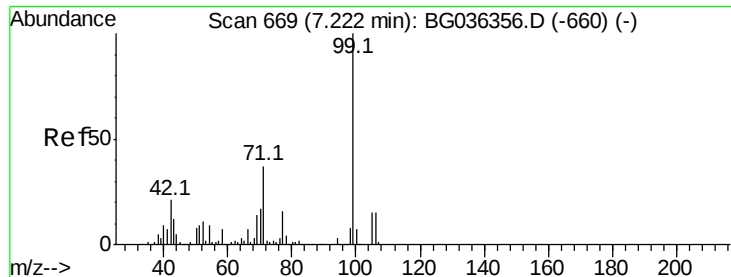


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 92.671 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036832.D

Acq: 19 Sep 2018 23:13

Instrument :

BNA_G

ClientSampleId :

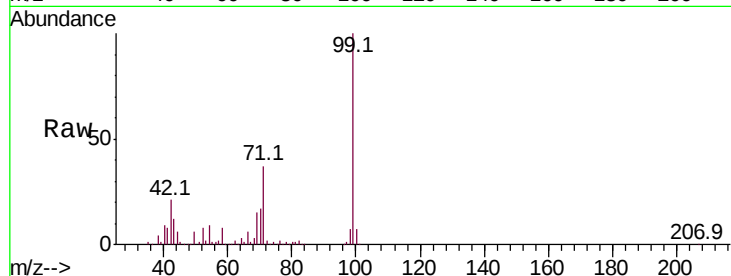
Tot Ion: 99 Resp: 466225

Ion Ratio Lower Upper

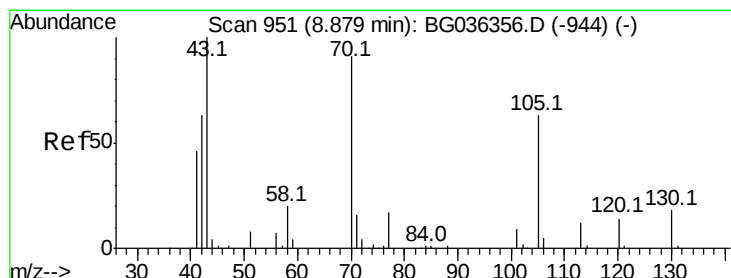
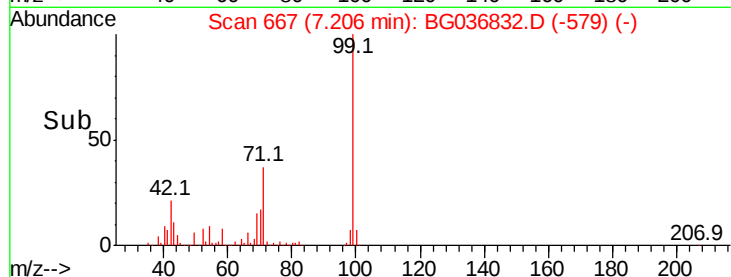
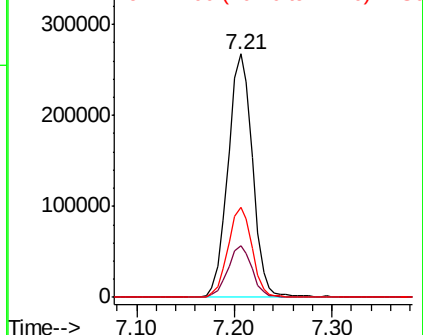
99 100

42 21.0 16.5 24.7

71 37.0 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: 12.502 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036832.D

Acq: 19 Sep 2018 23:13

Tgt Ion: 70 Resp: 47006

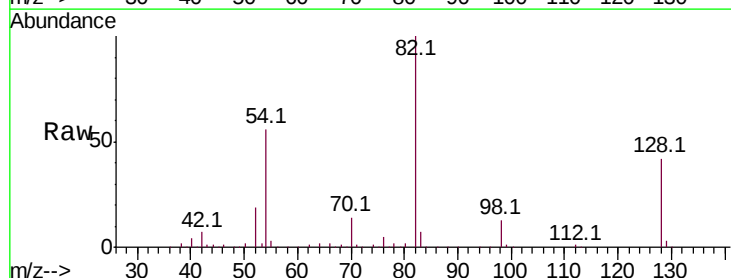
Ion Ratio Lower Upper

70 100

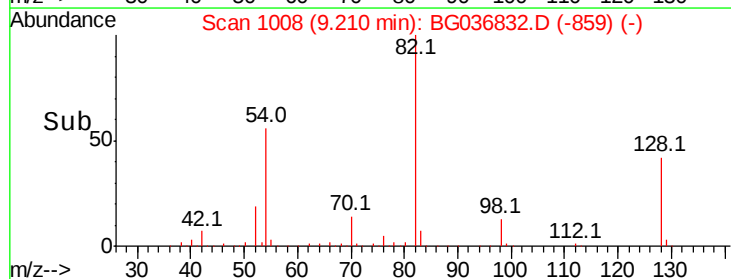
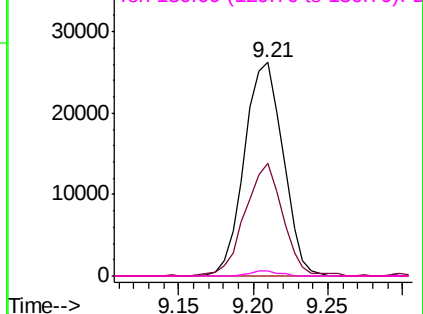
42 52.7 56.2 84.4#

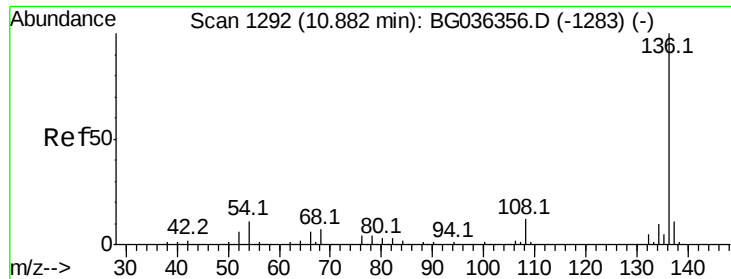
101 0.0 7.8 11.6#

130 2.3 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

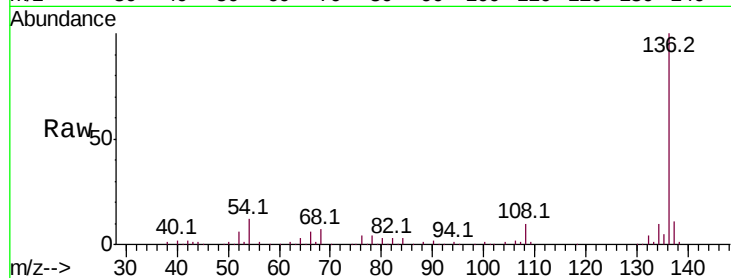




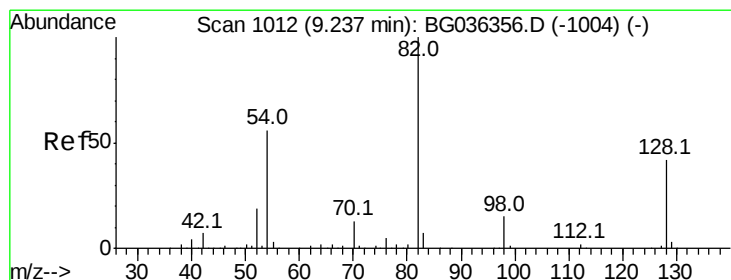
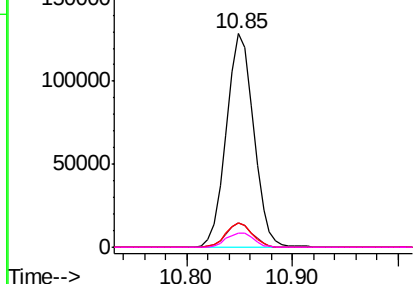
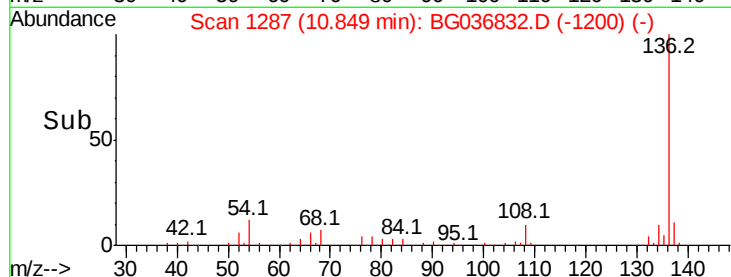
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BG036832.D
Acq: 19 Sep 2018 23:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	230461
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	11.6	9.2	13.8
68	6.7	5.8	8.6

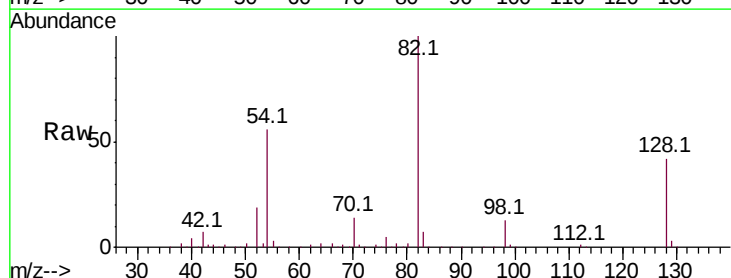


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

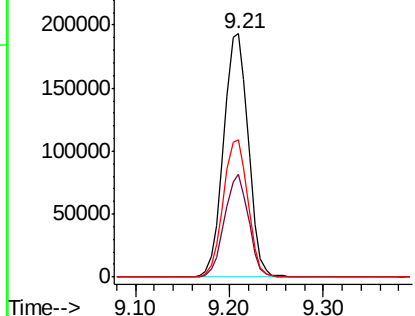
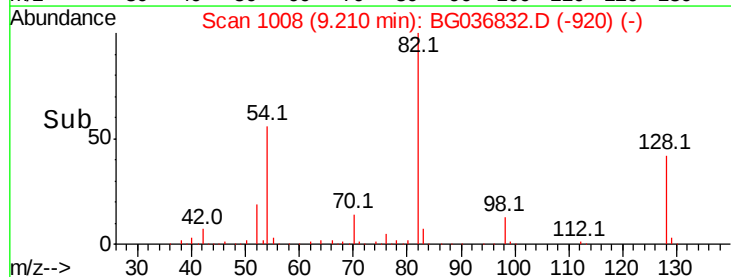


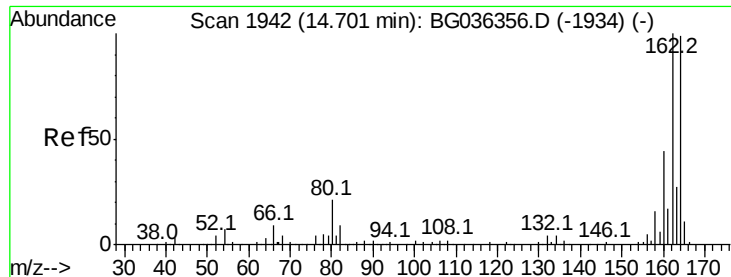
#23
Nitrobenzene-d5
Concen: 83.142 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036832.D
Acq: 19 Sep 2018 23:13

Tgt Ion:	82	Resp:	353154
Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.3	49.9
54	56.5	45.1	67.7



Abundance Ion 82.00 (81.70 to 82.70): BG
250000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG036832.D

Acq: 19 Sep 2018 23:13

Instrument :

BNA_G

ClientSampleId :

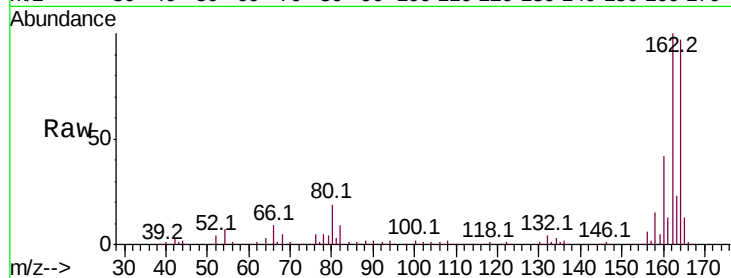
Tot Ion:164 Resp: 149830

Ion Ratio Lower Upper

164 100

162 102.9 80.7 121.1

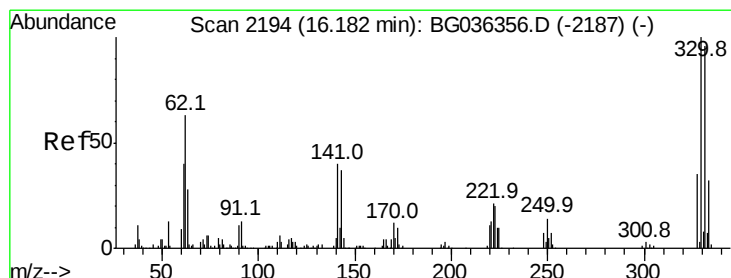
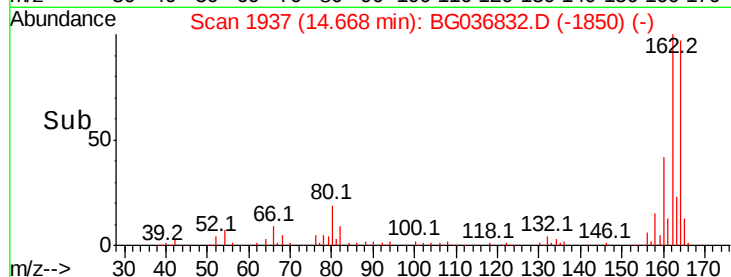
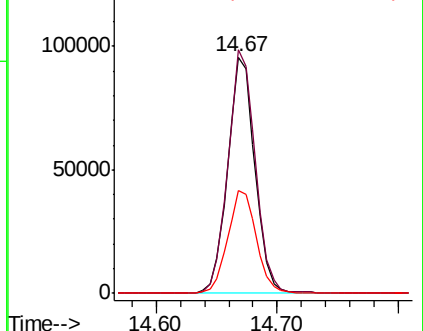
160 43.7 35.3 52.9



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: 94.214 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036832.D

Acq: 19 Sep 2018 23:13

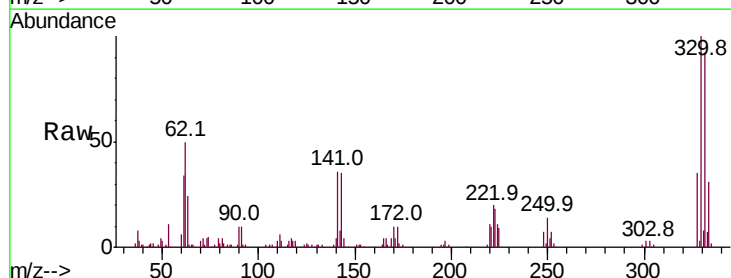
Tgt Ion:330 Resp: 168437

Ion Ratio Lower Upper

330 100

332 94.3 75.4 113.2

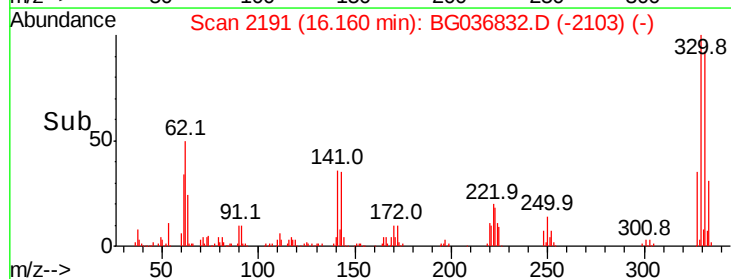
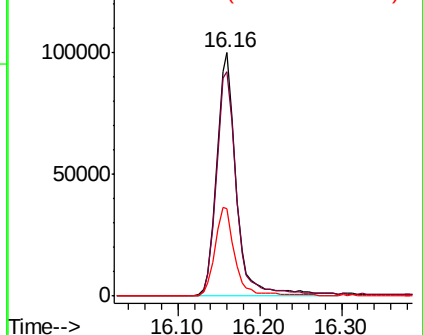
141 36.7 30.7 46.1

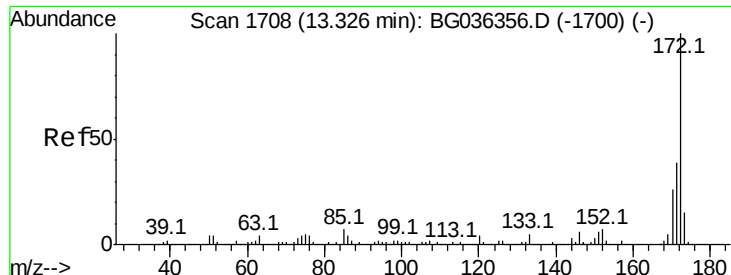


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

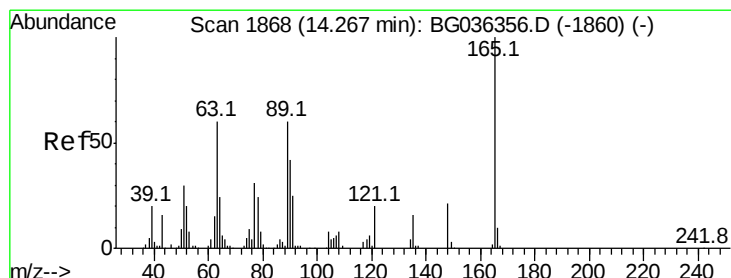
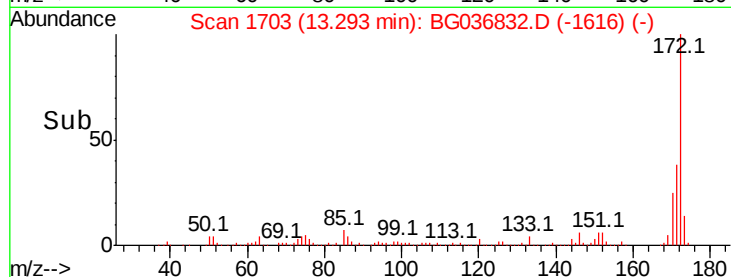
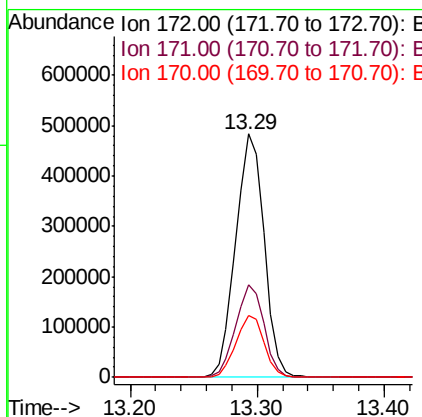
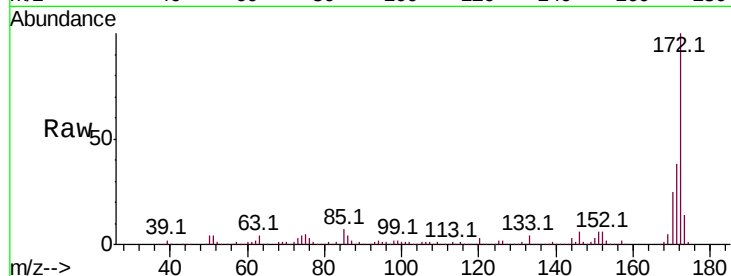




#44
 2-Fluorobiphenyl
 Concen: 71.752 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.02 min
 Lab File: BG036832.D
 Acq: 19 Sep 2018 23:13

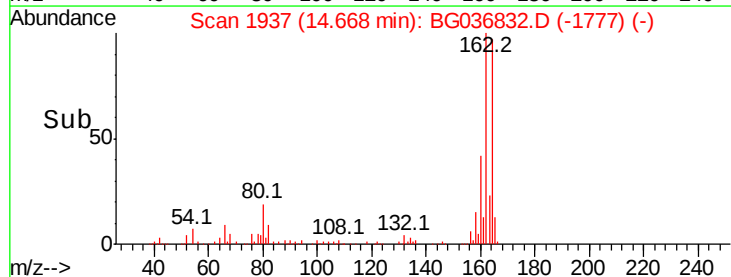
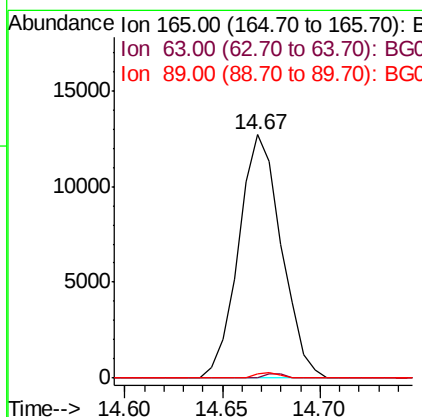
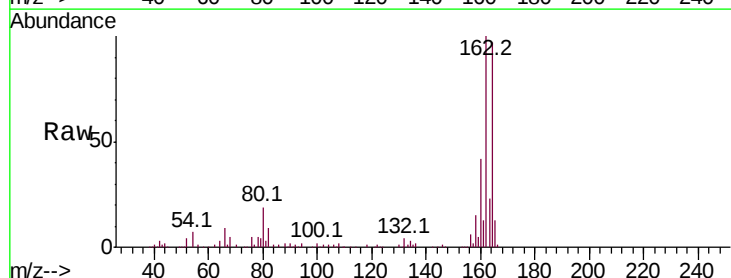
Instrument :
 BNA_G
 ClientSampleId :

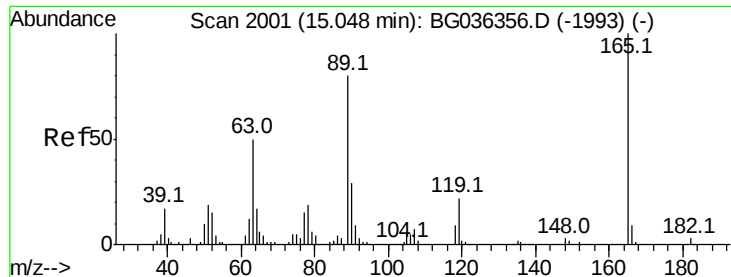
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.3	46.9
170	25.1	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.639 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.41 min
 Lab File: BG036832.D
 Acq: 19 Sep 2018 23:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	1.8	47.8	71.6#

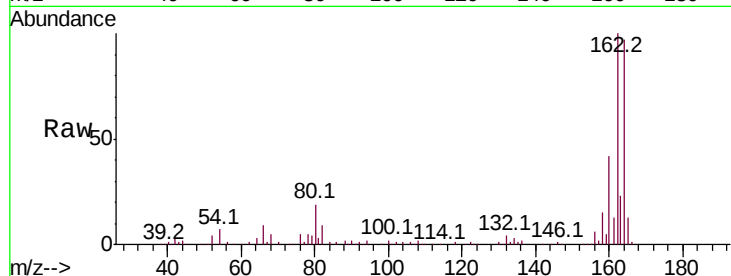




#56
 2,4-Dinitrotoluene
 Concen: 5.861 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.37 min
 Lab File: BG036832.D
 Acq: 19 Sep 2018 23:13

Instrument :
 BNA_G
 ClientSampleId :

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



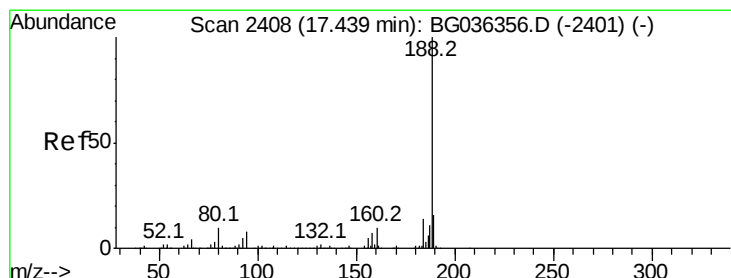
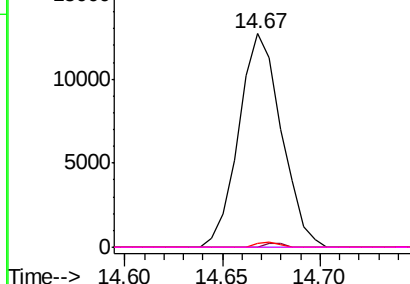
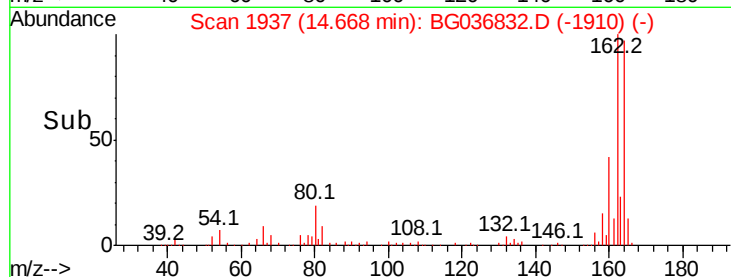
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

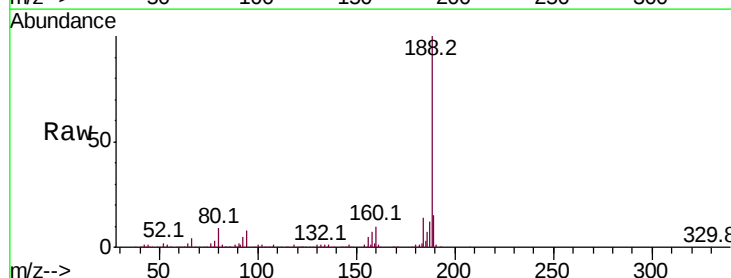
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.02 min
 Lab File: BG036832.D
 Acq: 19 Sep 2018 23:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	8.7	8.1	12.1

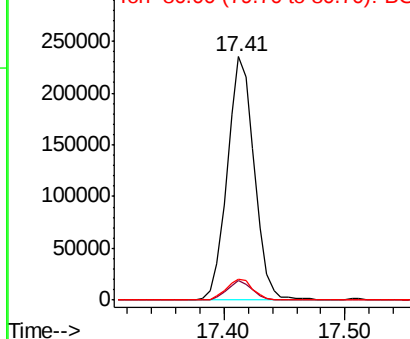
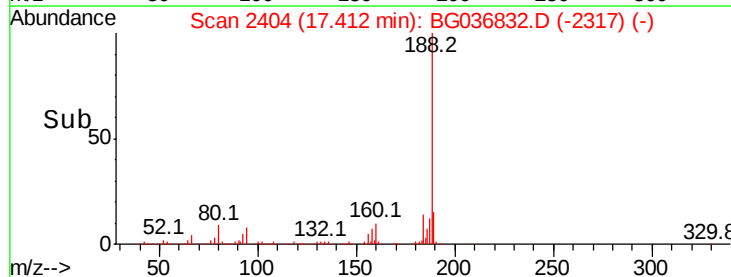


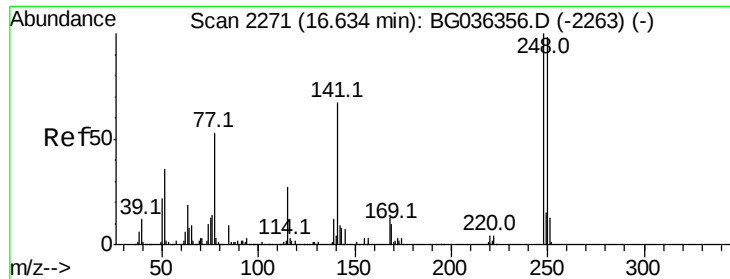
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

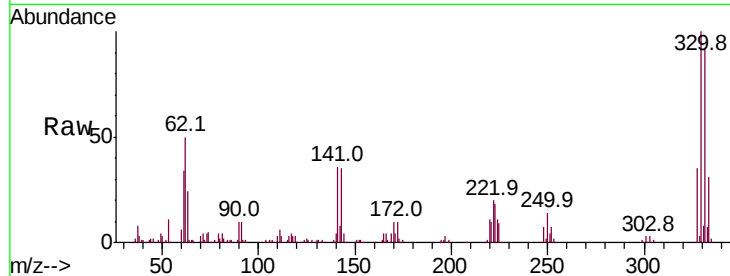




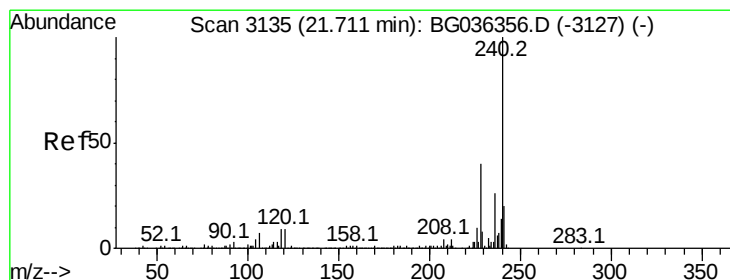
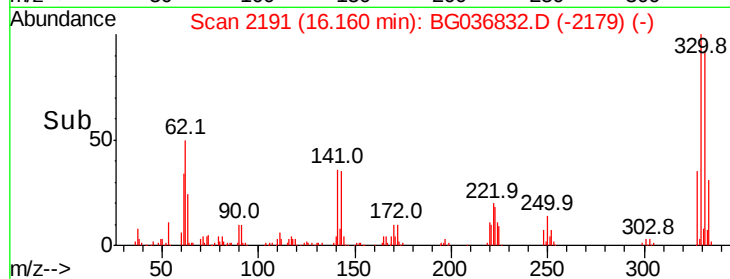
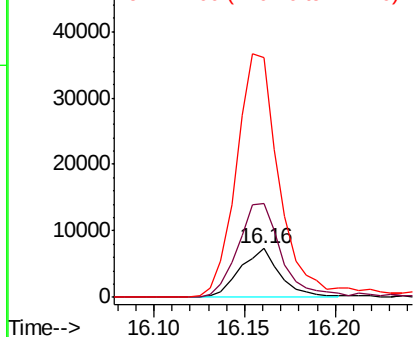
#66
 4-Bromophenyl-phenylether
 Concen: 2.664 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.46 min
 Lab File: BG036832.D
 Acq: 19 Sep 2018 23:13

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 11337
 Ion Ratio Lower Upper
 248 100
 250 193.7 78.1 117.1#
 141 494.2 53.7 80.5#

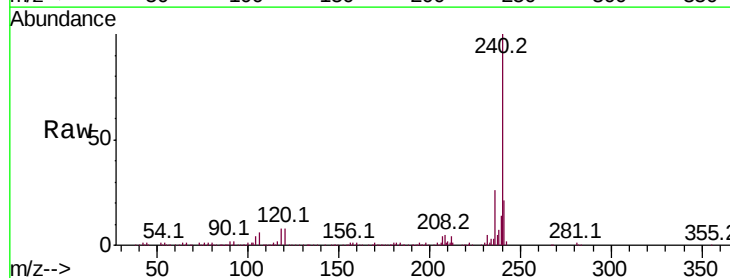


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

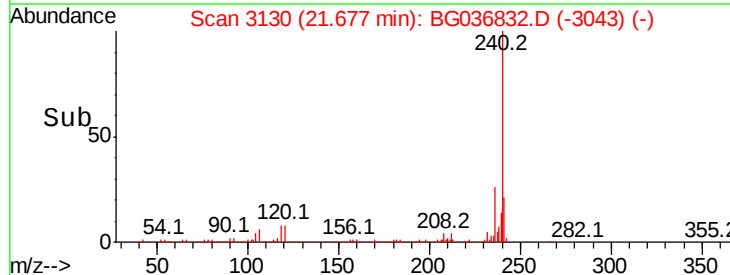
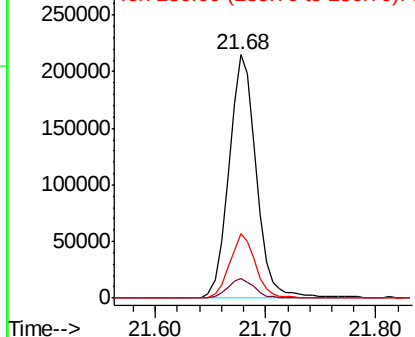


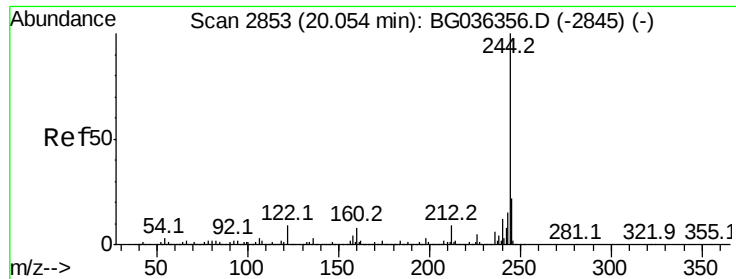
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.02 min
 Lab File: BG036832.D
 Acq: 19 Sep 2018 23:13

Tgt Ion:240 Resp: 370785
 Ion Ratio Lower Upper
 240 100
 120 7.8 6.9 10.3
 236 26.2 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

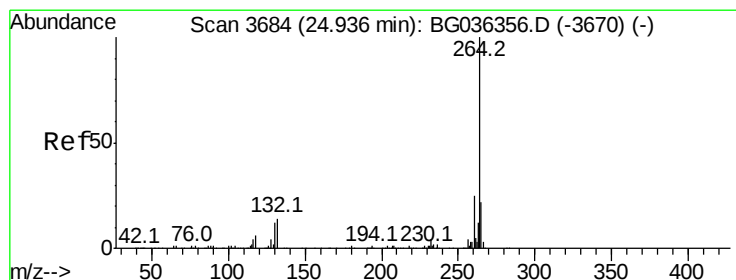
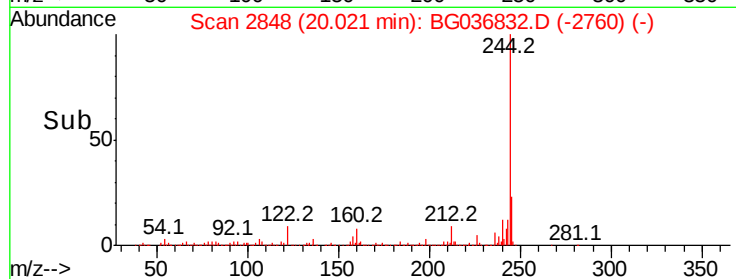
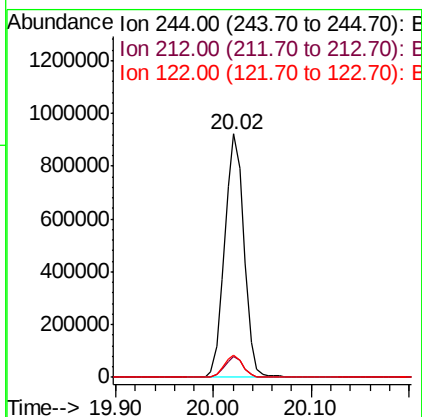
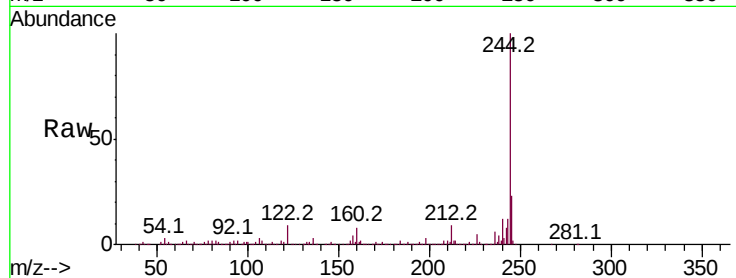




#78
 Terphenyl-d14
 Concen: 79.906 ng
 RT: 20.02 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BG036832.D
 Acq: 19 Sep 2018 23:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1267591
 Ion Ratio Lower Upper
 244 100
 212 8.7 7.0 10.6
 122 9.3 7.1 10.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3675
 Delta R.T. -0.02 min
 Lab File: BG036832.D
 Acq: 19 Sep 2018 23:13

Tgt Ion:264 Resp: 347905
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.6 29.4
 265 20.4 17.4 26.0

