

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092218\
 Data File : BG036908.D
 Acq On : 23 Sep 2018 1:20
 Operator : JU/SJ
 Sample : J5019-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 04:45:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 20:07:11 2018
 Response via : Initial Calibration

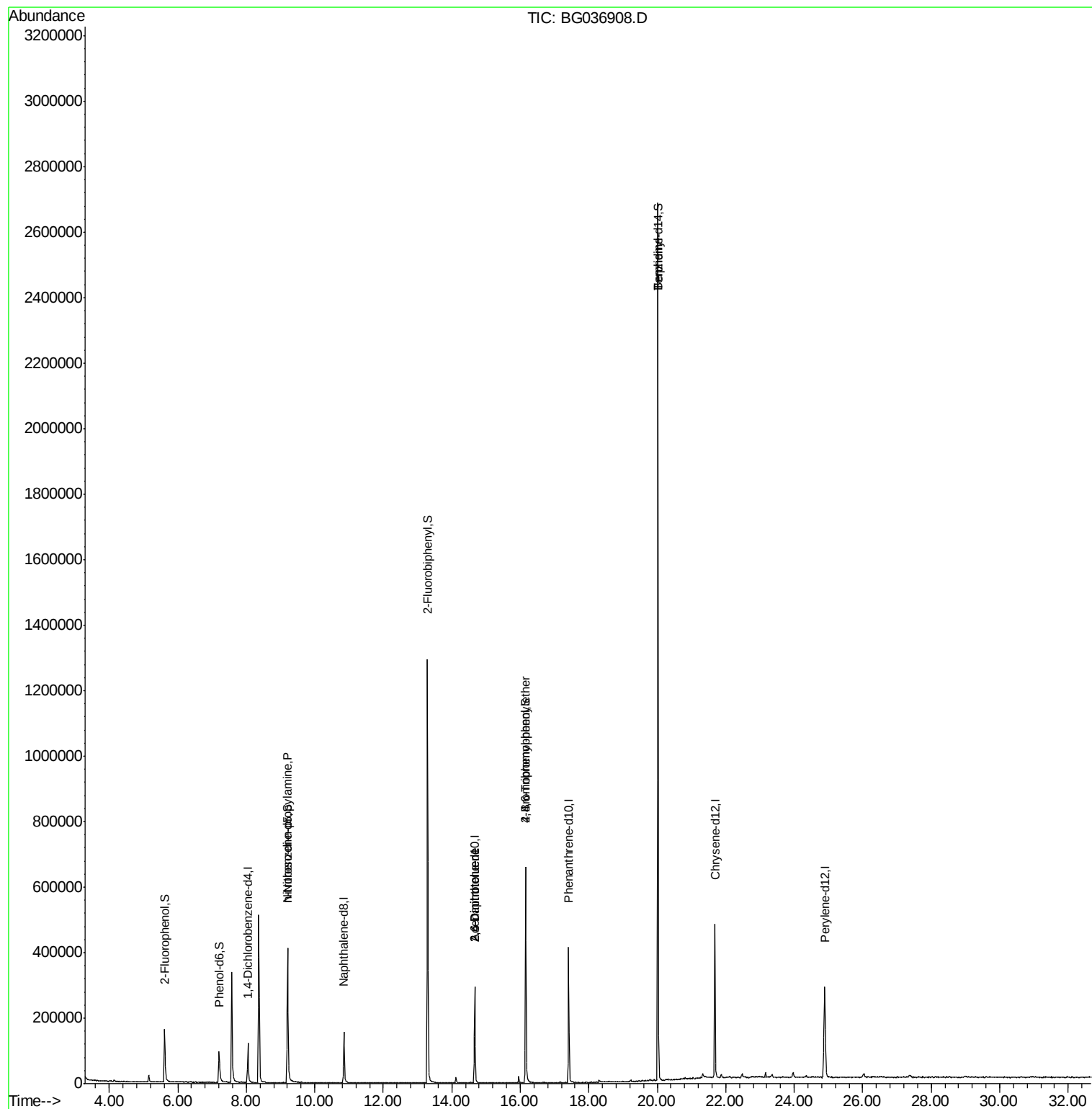
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	37807	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	157742	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	107535	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	285888	20.00	ng	0.00
75) Chrysene-d12	21.68	240	307444	20.00	ng	0.00
86) Perylene-d12	24.89	264	301389	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	85954	43.60	ng	0.00
7) Phenol-d6	7.21	99	72228	23.68	ng	0.00
23) Nitrobenzene-d5	9.21	82	305118	103.58	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	131806	102.45	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	717277	99.34	ng	0.00
78) Terphenyl-d14	20.02	244	1259537	107.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	39169	15.437	ng	# 71
50) 2,6-Dinitrotoluene	14.67	165	13296	7.040	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	13296	5.045	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	9082	2.793	ng	# 1
76) Benzidine	20.02	184	21365	2.299	ng	# 92

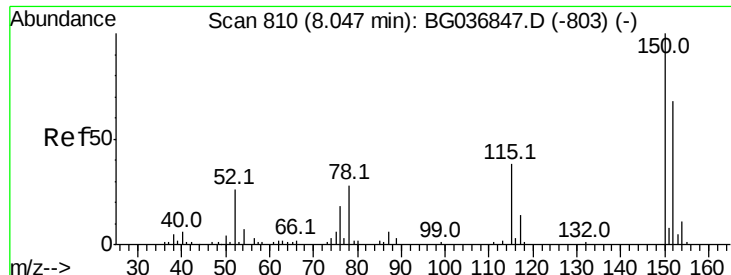
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



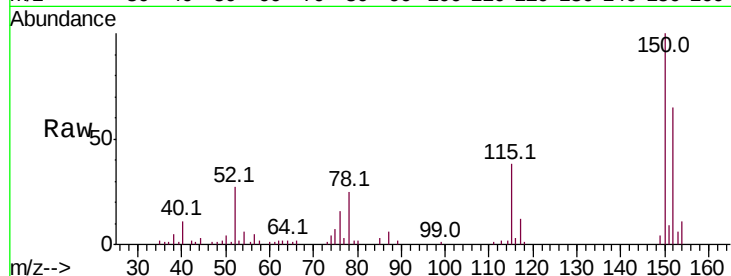


#1

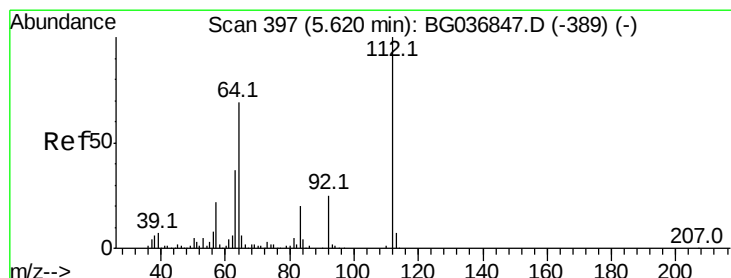
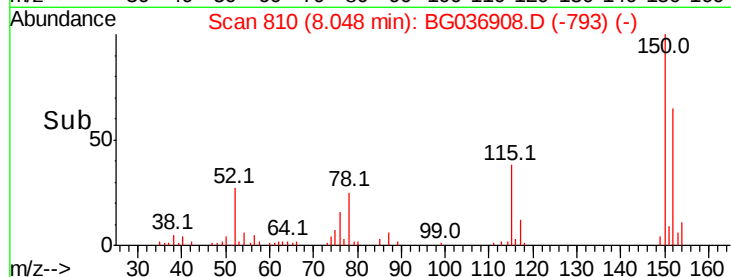
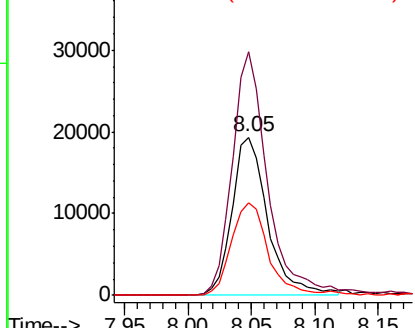
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. 0.00 min
Lab File: BG036908.D
Acq: 23 Sep 2018 1:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	119.5	179.3
115	59.0	44.5	66.7



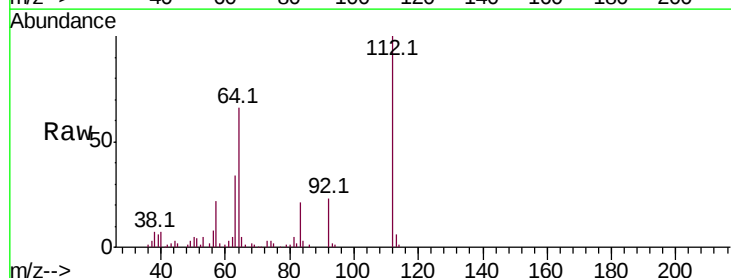
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



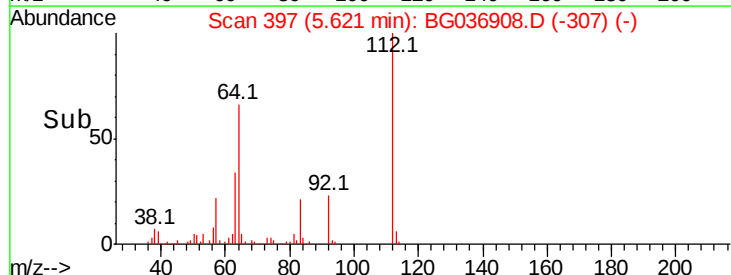
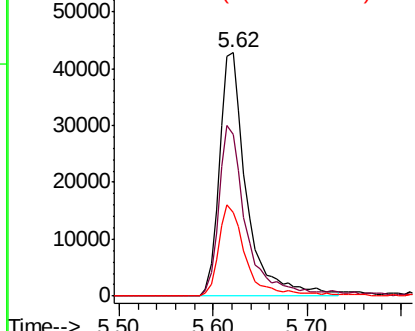
#5

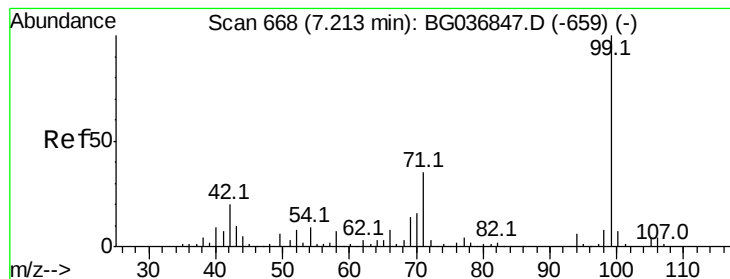
2-Fluorophenol
Concen: 43.601 ng
RT: 5.62 min Scan# 397
Delta R.T. 0.00 min
Lab File: BG036908.D
Acq: 23 Sep 2018 1:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	57.2	85.8
63	34.1	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: 23.681 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036908.D

Acq: 23 Sep 2018 1:20

Instrument :

BNA_G

ClientSampleId :

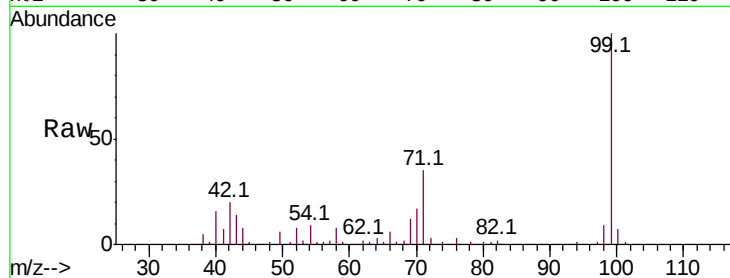
Tot Ion: 99 Resp: 72228

Ion Ratio Lower Upper

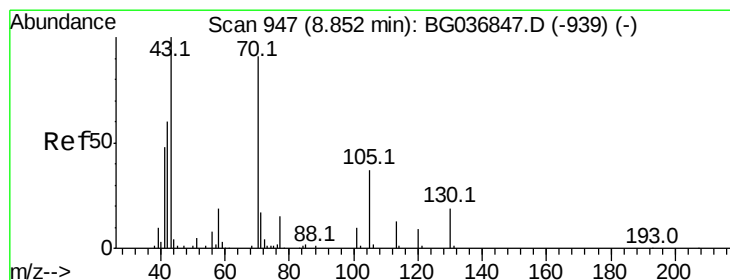
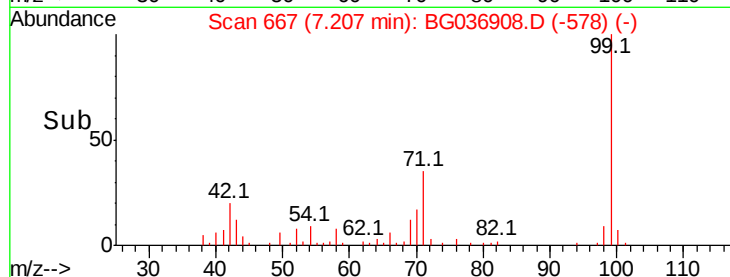
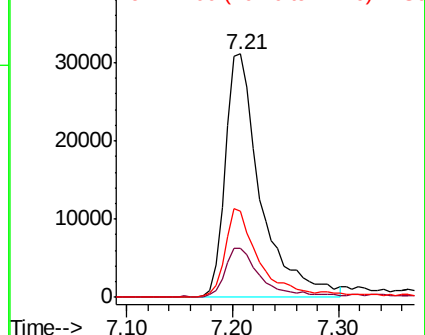
99 100

42 20.0 16.5 24.7

71 35.3 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: 15.437 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036908.D

Acq: 23 Sep 2018 1:20

Tgt Ion: 70 Resp: 39169

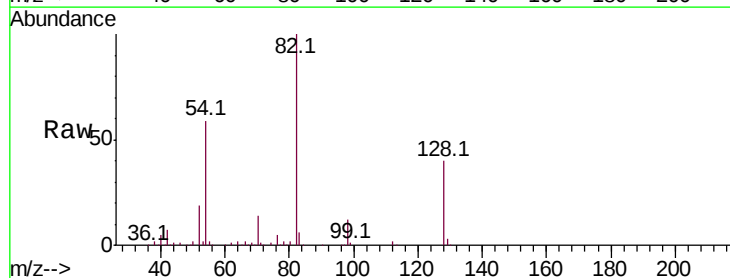
Ion Ratio Lower Upper

70 100

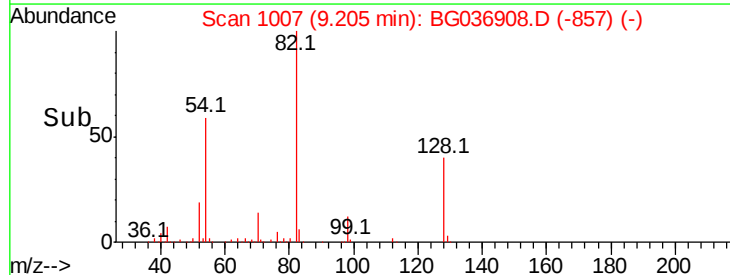
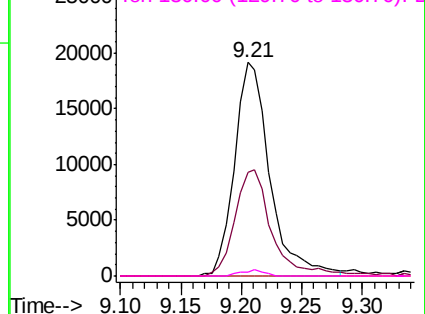
42 48.8 56.2 84.4#

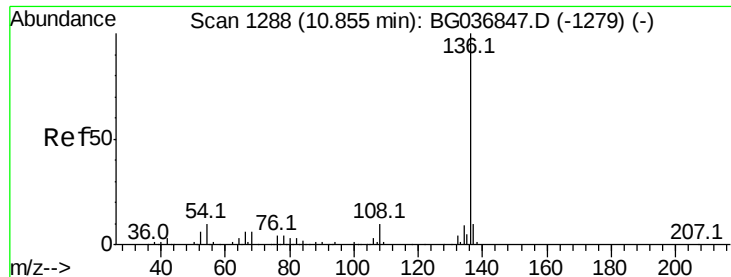
101 0.0 7.8 11.6#

130 1.7 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

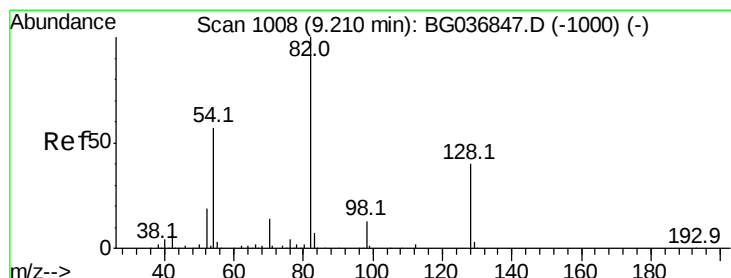
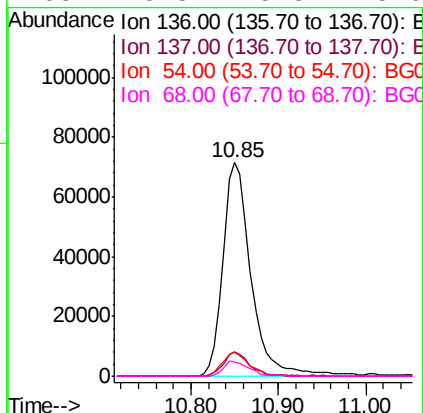
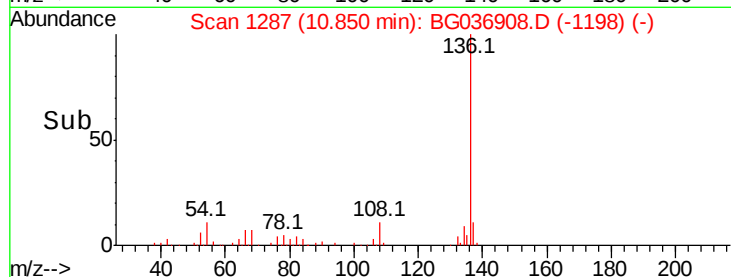
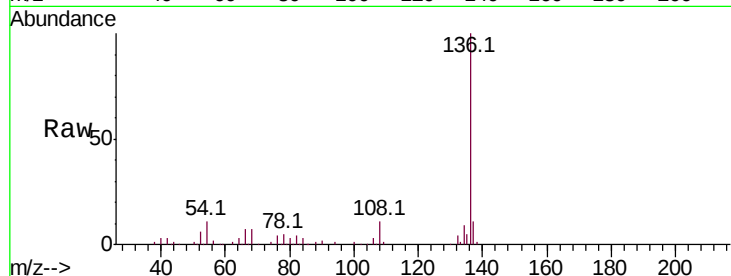




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036908.D
Acq: 23 Sep 2018 1:20

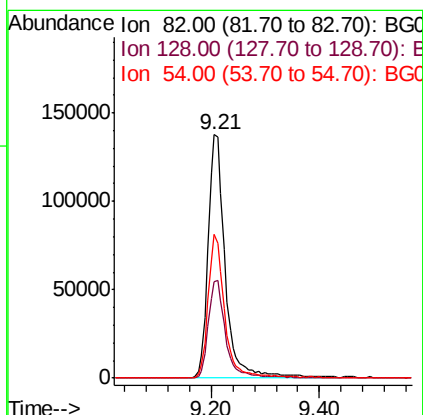
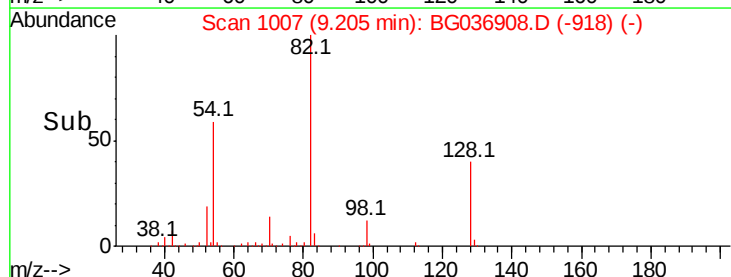
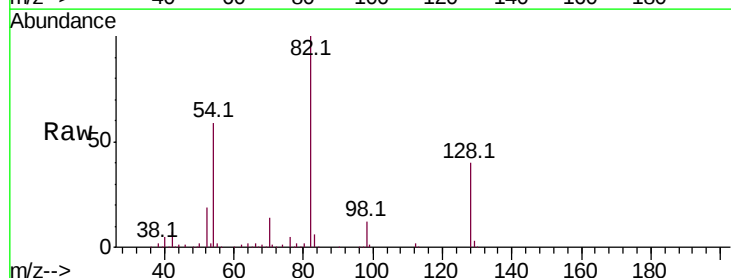
Instrument :
BNA_G
ClientSampleId :

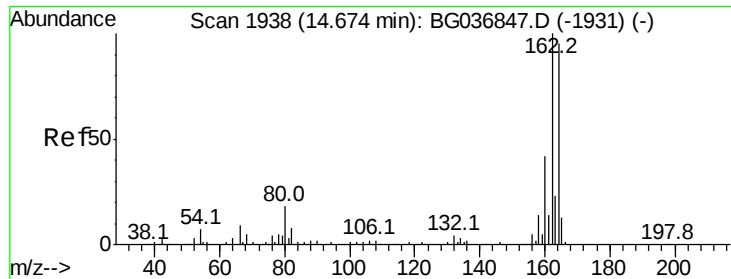
Tot Ion:136	Resp:	157742
Ion Ratio	Lower	Upper
136 100		
137 11.3	8.8	13.2
54 11.4	9.2	13.8
68 6.8	5.8	8.6



#23
Nitrobenzene-d5
Concen: 103.583 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036908.D
Acq: 23 Sep 2018 1:20

Tgt Ion: 82	Resp: 305118
Ion Ratio	Lower Upper
82 100	
128 39.9	33.3 49.9
54 58.9	45.1 67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG036908.D

Acq: 23 Sep 2018 1:20

Instrument :

BNA_G

ClientSampleId :

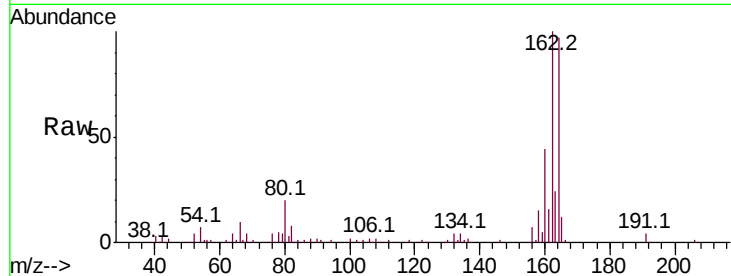
Tot Ion:164 Resp: 107535

Ion Ratio Lower Upper

164 100

162 102.8 80.7 121.1

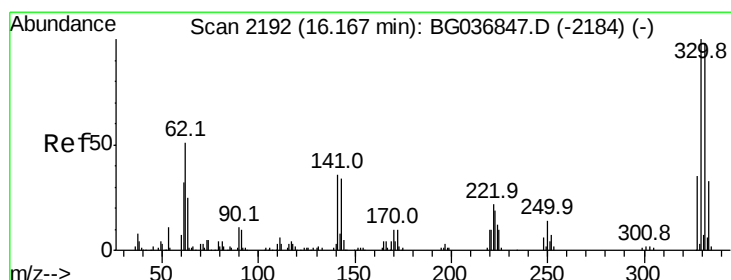
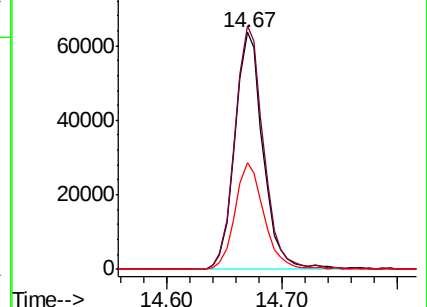
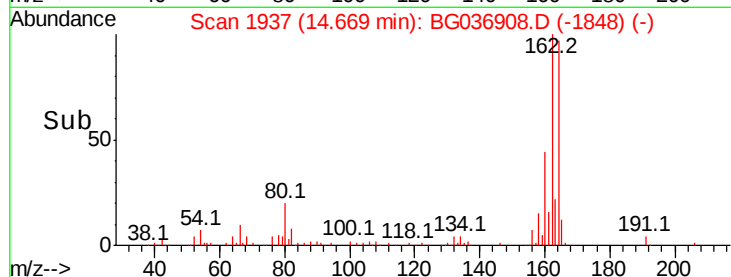
160 45.1 35.3 52.9



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: 102.446 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036908.D

Acq: 23 Sep 2018 1:20

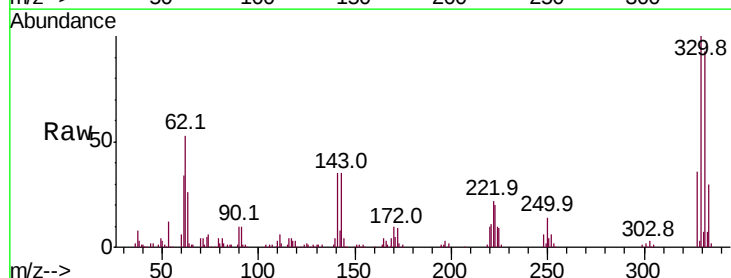
Tgt Ion:330 Resp: 131806

Ion Ratio Lower Upper

330 100

332 95.3 75.4 113.2

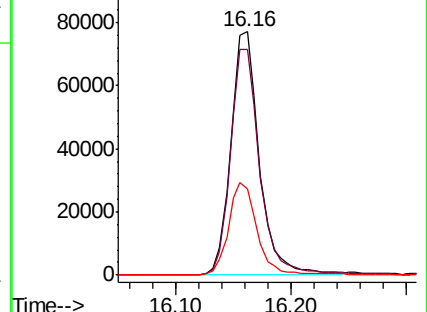
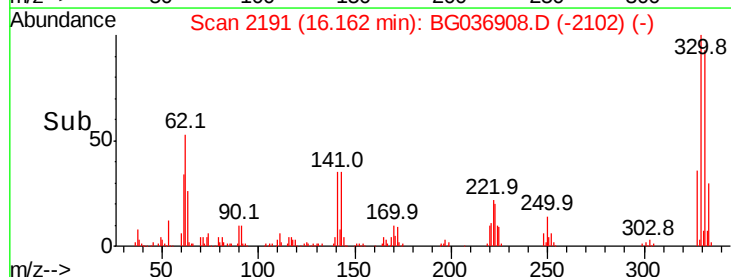
141 37.3 30.7 46.1

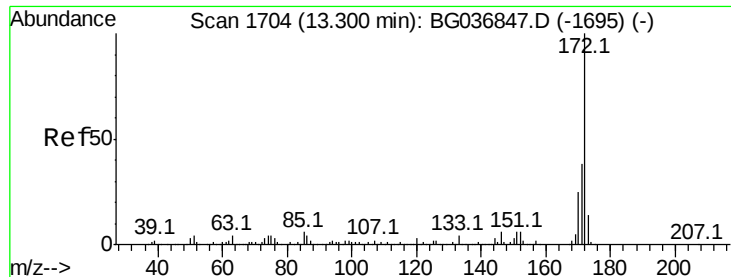


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

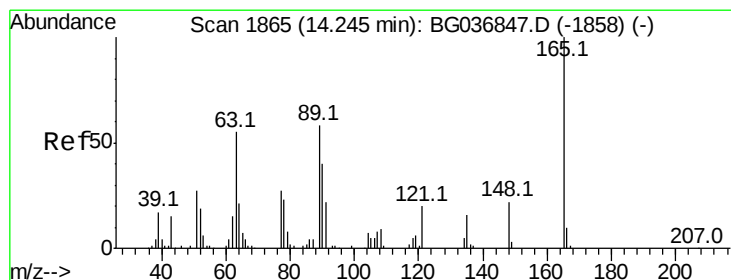
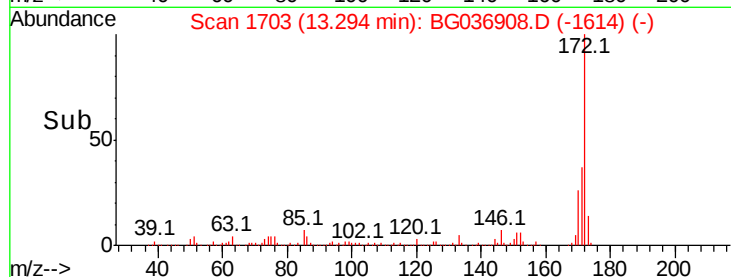
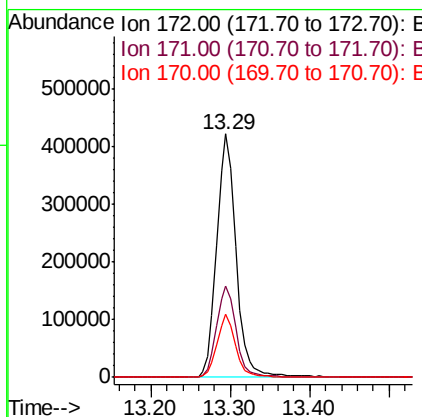
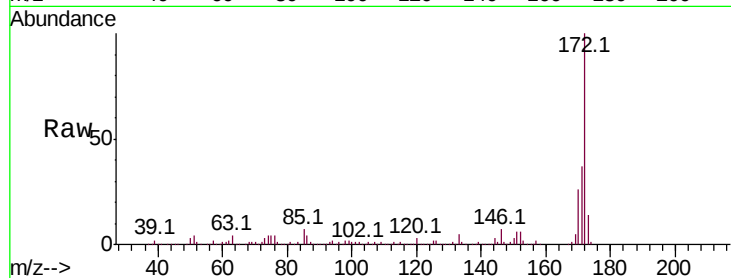




#44
 2-Fluorobiphenyl
 Concen: 99.345 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036908.D
 Acq: 23 Sep 2018 1:20

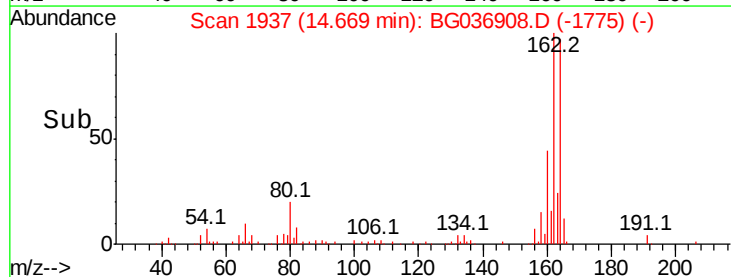
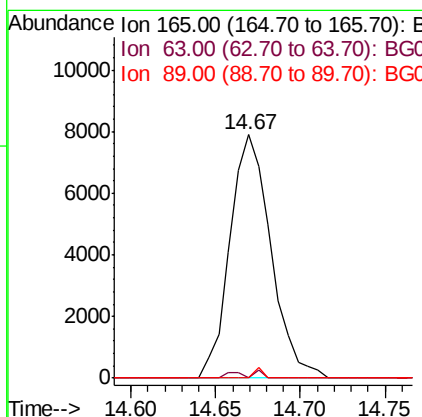
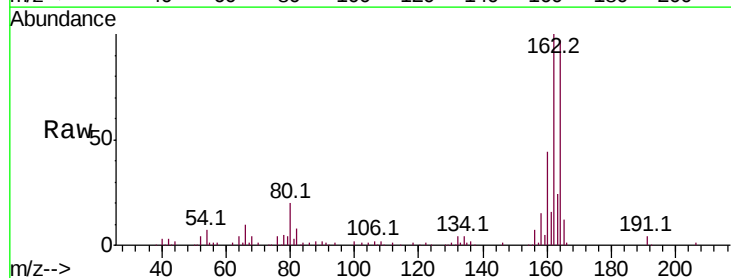
Instrument :
 BNA_G
 ClientSampled :

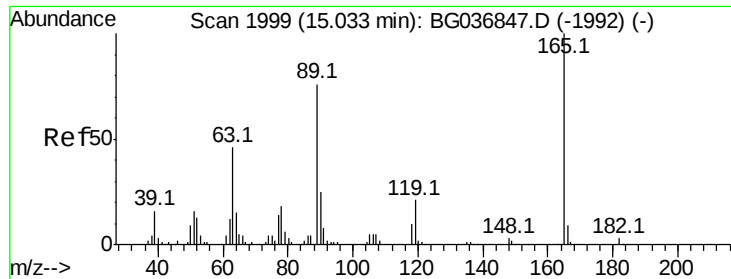
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	31.3	46.9
170	25.9	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.040 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG036908.D
 Acq: 23 Sep 2018 1:20

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

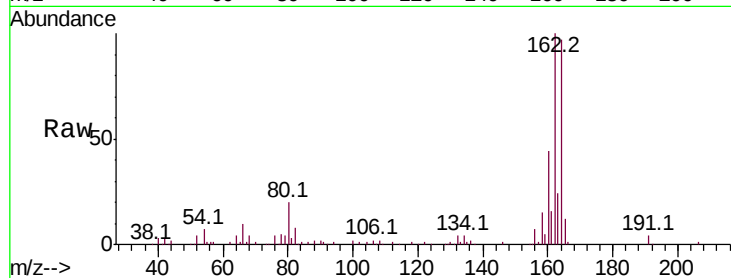




#56
 2,4-Dinitrotoluene
 Concen: 5.045 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036908.D
 Acq: 23 Sep 2018 1:20

Instrument :
 BNA_G
 ClientSampleId :

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

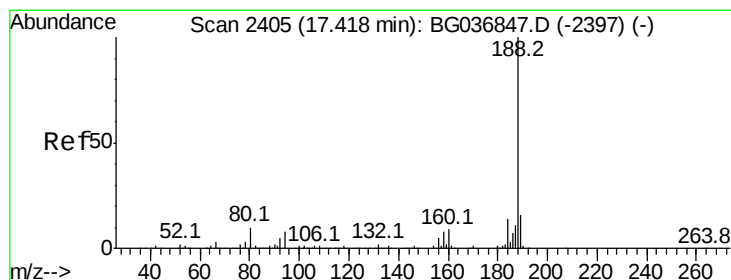
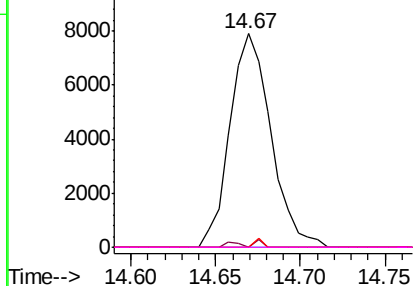
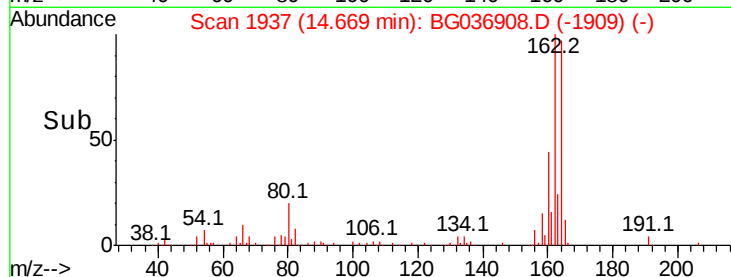


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

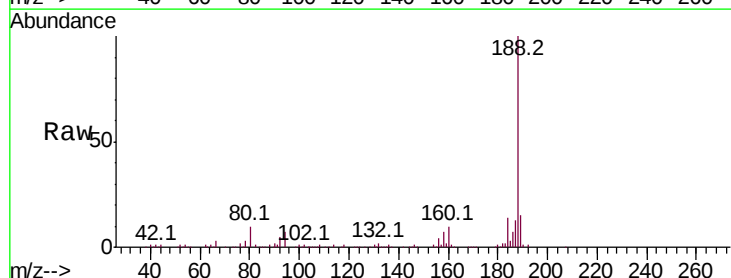
Ion 89.00 (88.70 to 89.70): BGC

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. 0.00 min
 Lab File: BG036908.D
 Acq: 23 Sep 2018 1:20

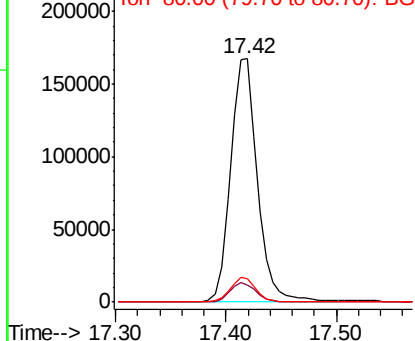
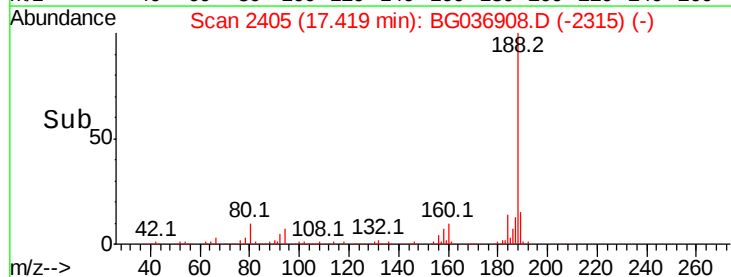
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.7	10.1
80	9.7	8.1	12.1

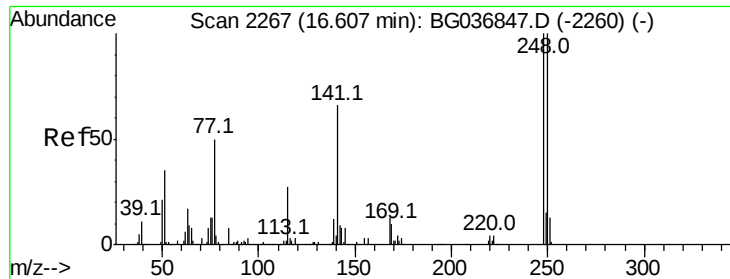


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

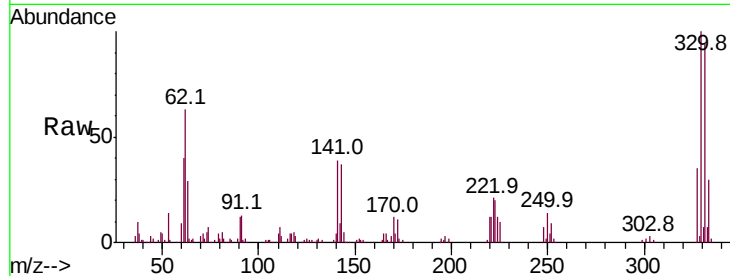




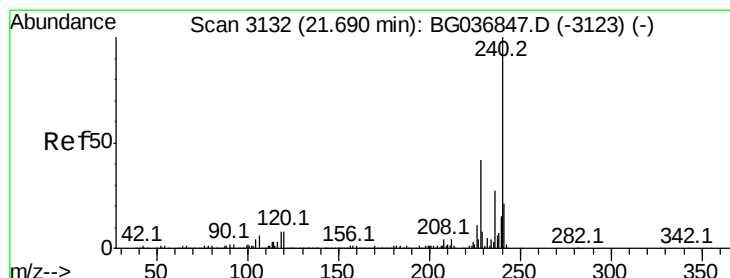
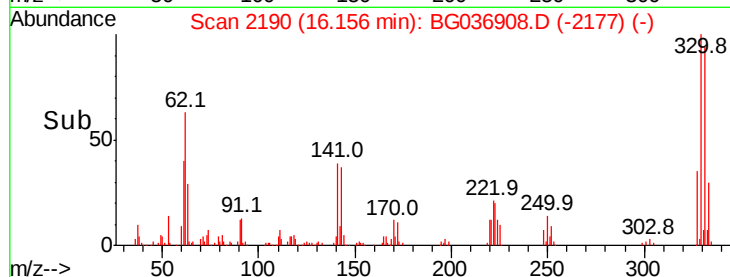
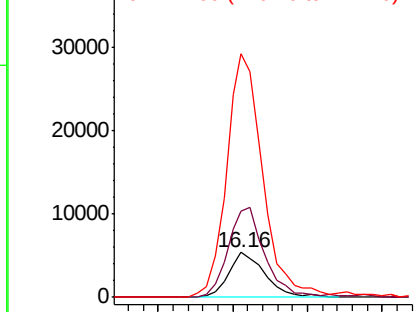
#66
4-Bromophenyl-phenylether
Concen: 2.793 ng
RT: 16.16 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG036908.D
Acq: 23 Sep 2018 1:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 9082
Ion Ratio Lower Upper
248 100
250 193.3 78.1 117.1#
141 542.8 53.7 80.5#

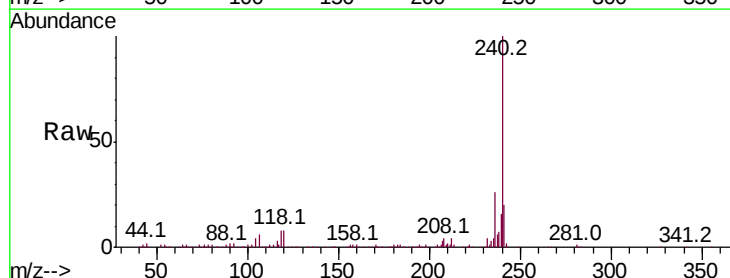


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

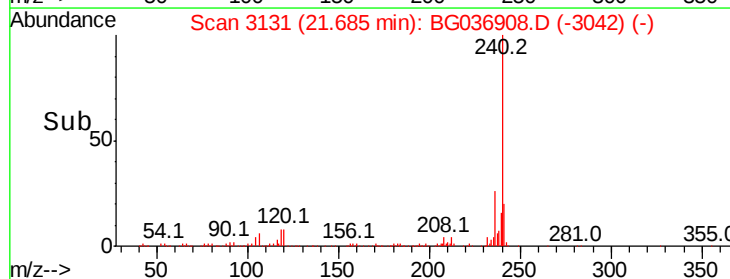
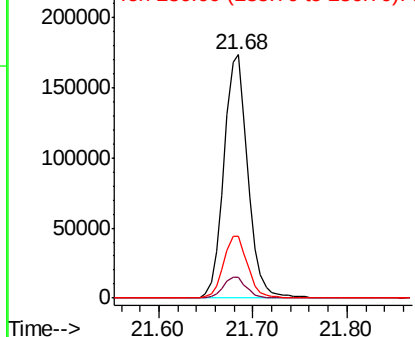


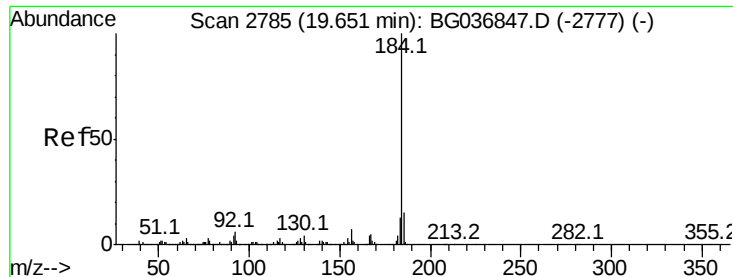
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG036908.D
Acq: 23 Sep 2018 1:20

Tgt Ion:240 Resp: 307444
Ion Ratio Lower Upper
240 100
120 8.4 6.9 10.3
236 25.6 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: 2.299 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036908.D

Acq: 23 Sep 2018 1:20

Instrument :

BNA_G

ClientSampleId :

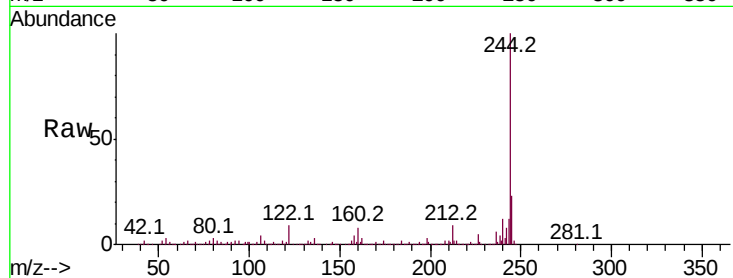
Tot Ion:184 Resp: 21365

Ion Ratio Lower Upper

184 100

185 18.3 12.6 18.8

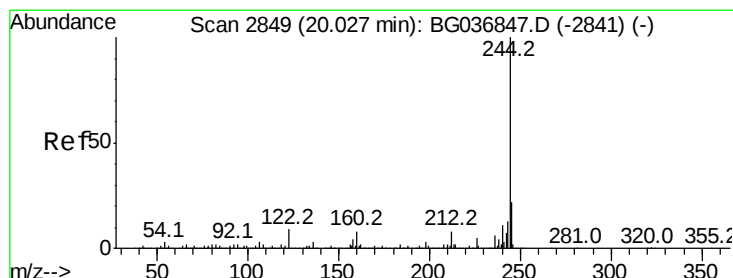
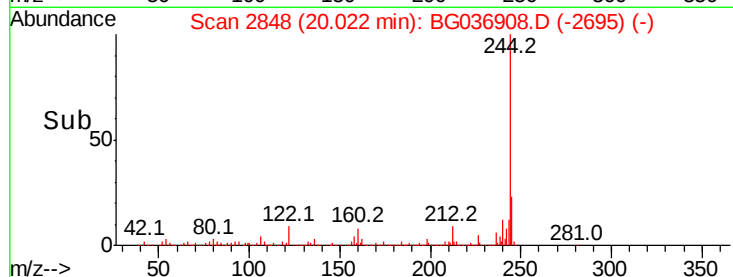
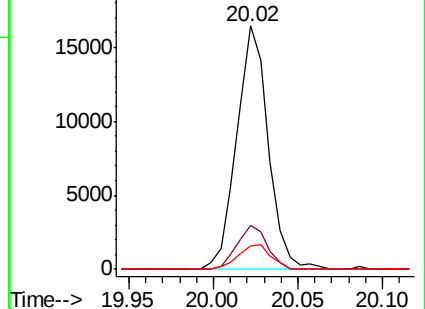
183 9.5 10.9 16.3#



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: 107.725 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036908.D

Acq: 23 Sep 2018 1:20

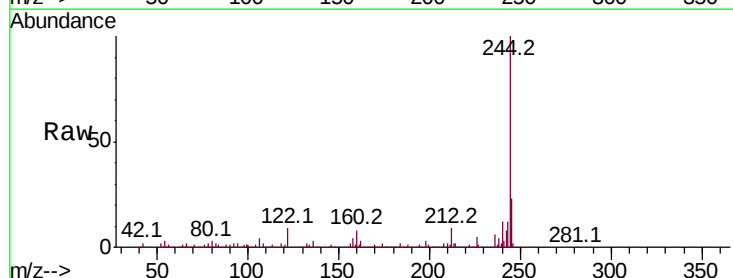
Tgt Ion:244 Resp: 1259537

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.6

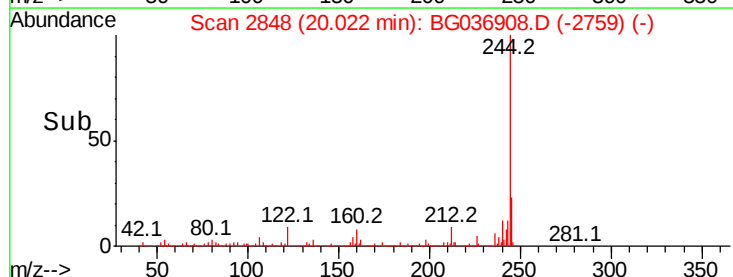
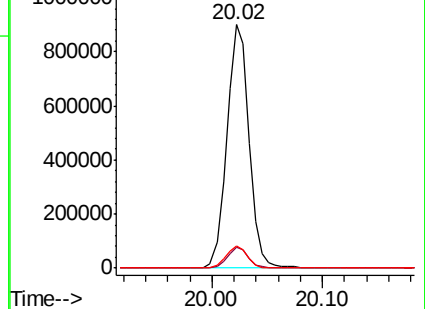
122 9.3 7.1 10.7

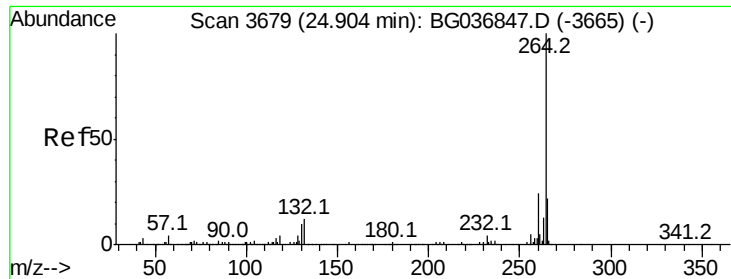


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

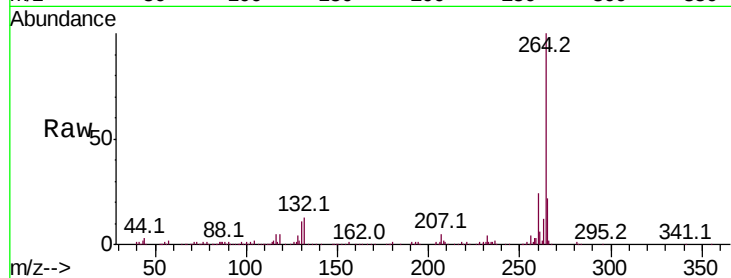




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3676
Delta R.T. -0.02 min
Lab File: BG036908.D
Acq: 23 Sep 2018 1:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.6	29.4
265	22.2	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

