

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092118\
 Data File : BG036886.D
 Acq On : 22 Sep 2018 9:40
 Operator : JU/SJ
 Sample : J5021-16
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 03:54:03 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

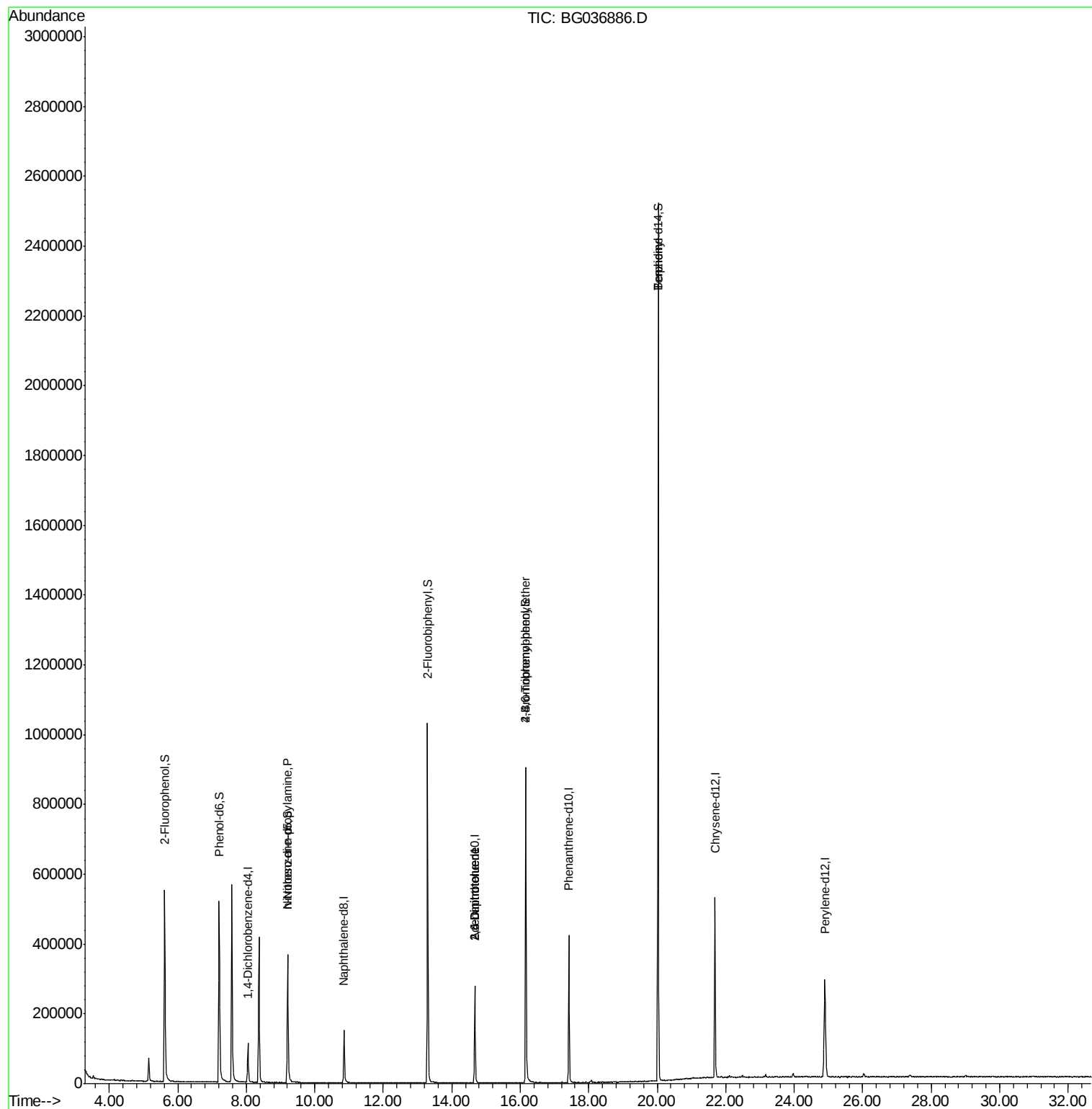
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	36021	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	154377	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	105773	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	291300	20.00	ng	0.00
75) Chrysene-d12	21.68	240	324888	20.00	ng	0.00
86) Perylene-d12	24.89	264	320895	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	264112	140.62	ng	0.00
7) Phenol-d6	7.21	99	344679	118.61	ng	0.00
23) Nitrobenzene-d5	9.21	82	262540	91.07	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	179082	141.51	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	589151	82.96	ng	0.00
78) Terphenyl-d14	20.03	244	1231046	99.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	34027	14.076	ng	# 74
50) 2,6-Dinitrotoluene	14.67	165	12922	6.956	ng	# 24
56) 2,4-Dinitrotoluene	14.67	165	12922	4.985	ng	# 22
66) 4-Bromophenyl-phenylether	16.16	248	12464	3.762	ng	# 1
76) Benzidine	20.03	184	20418	2.079	ng	# 93

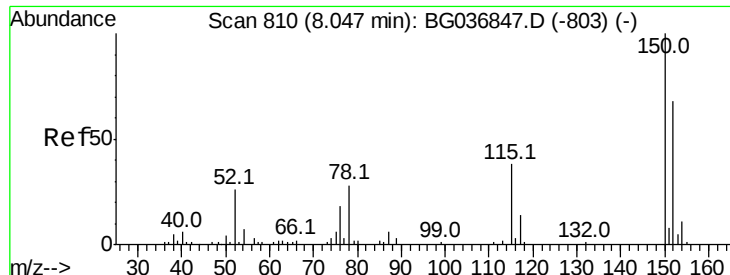
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 20 20:07:11 2018
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: BG036886.D

Acq: 22 Sep 2018 9:40

Instrument :

BNA_G

ClientSampleId :

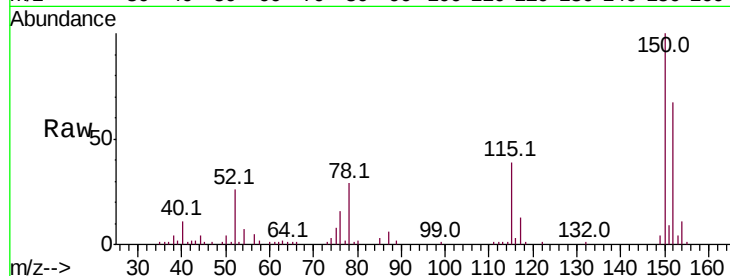
Tot Ion:152 Resp: 36021

Ion Ratio Lower Upper

152 100

150 150.1 119.5 179.3

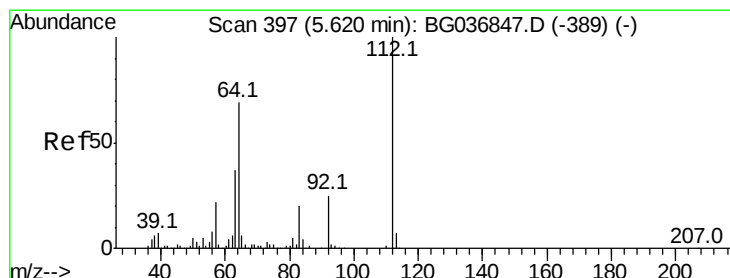
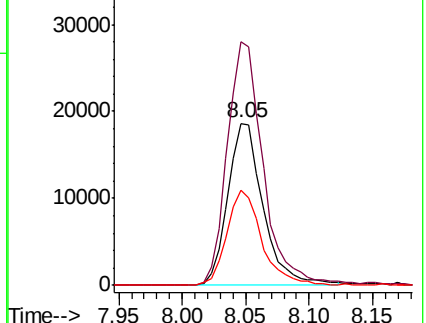
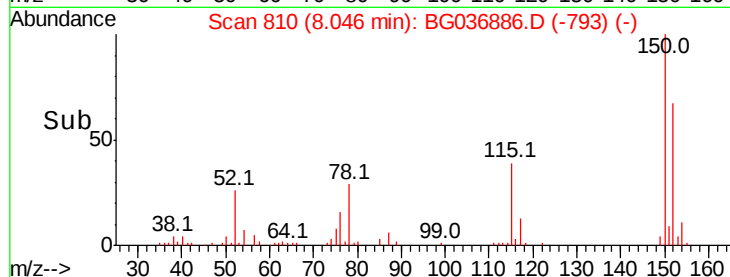
115 58.5 44.5 66.7



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: 140.615 ng

RT: 5.62 min Scan# 397

Delta R.T. -0.00 min

Lab File: BG036886.D

Acq: 22 Sep 2018 9:40

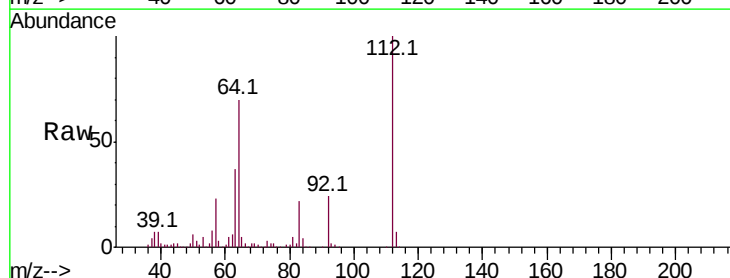
Tgt Ion:112 Resp: 264112

Ion Ratio Lower Upper

112 100

64 69.7 57.2 85.8

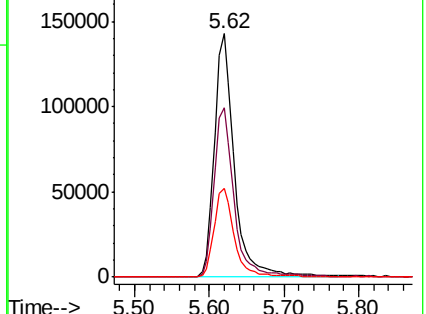
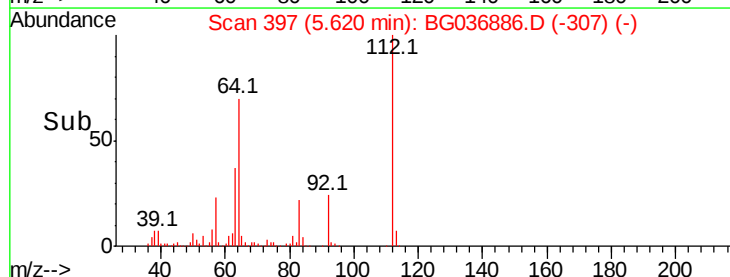
63 36.7 30.8 46.2

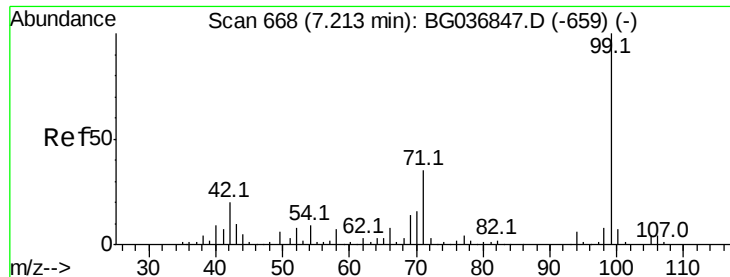


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 118.610 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036886.D

Acq: 22 Sep 2018 9:40

Instrument :

BNA_G

ClientSampleId :

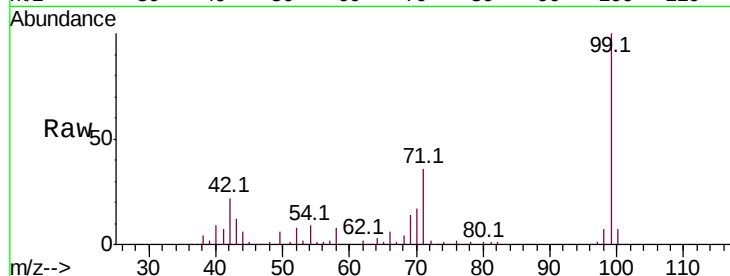
Tot Ion: 99 Resp: 344679

Ion Ratio Lower Upper

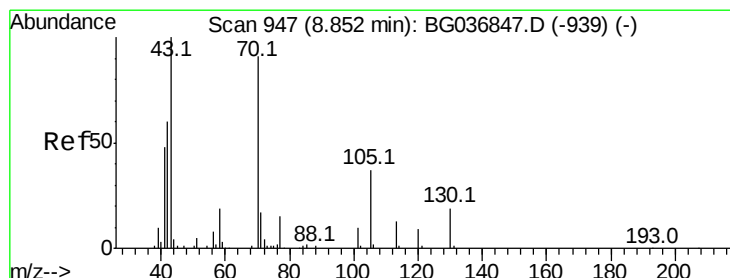
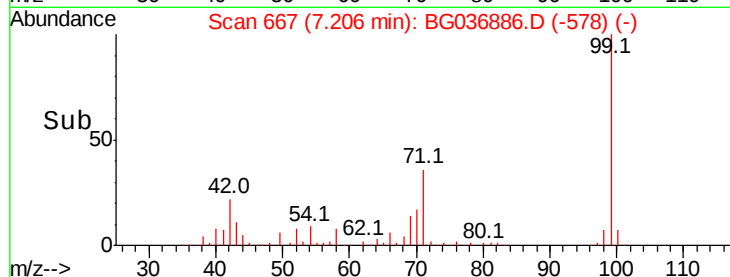
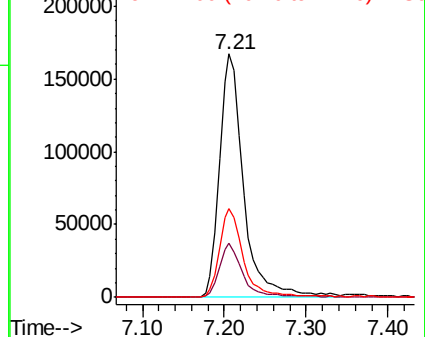
99 100

42 22.1 16.5 24.7

71 36.3 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: 14.076 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BG036886.D

Acq: 22 Sep 2018 9:40

Tgt Ion: 70 Resp: 34027

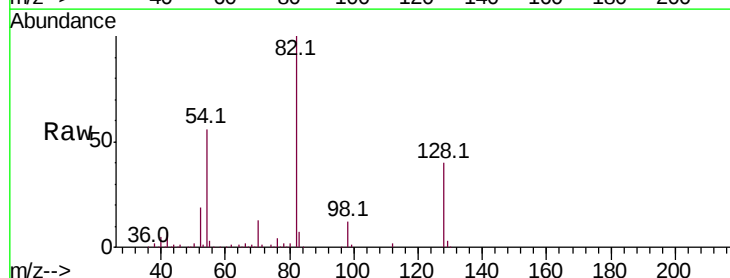
Ion Ratio Lower Upper

70 100

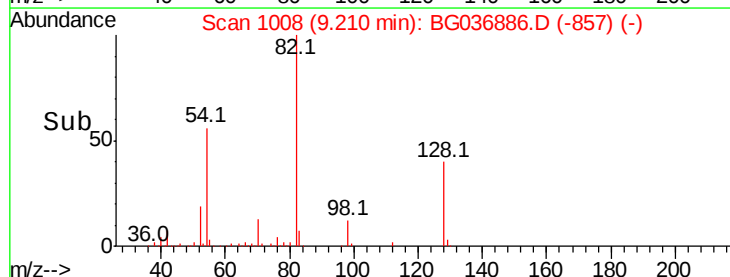
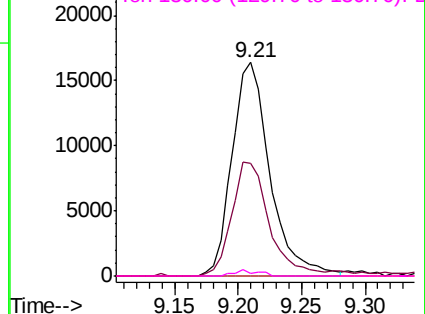
42 52.9 56.2 84.4#

101 0.0 7.8 11.6#

130 1.2 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

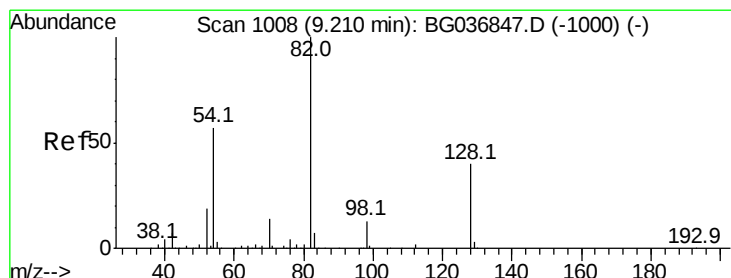
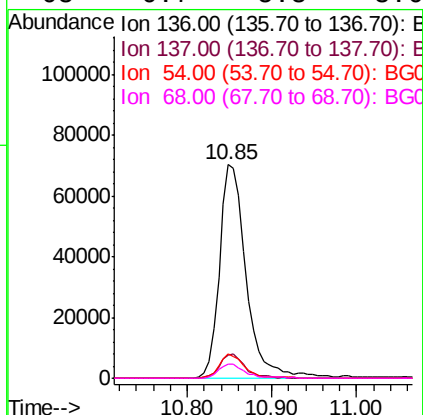
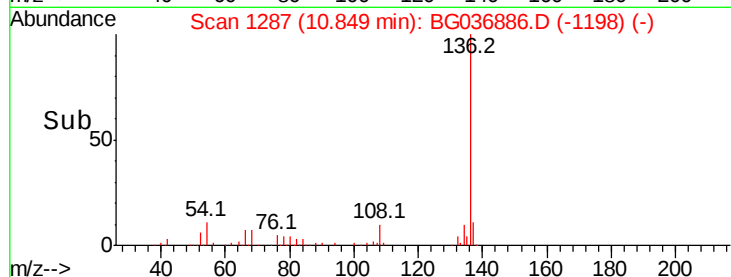
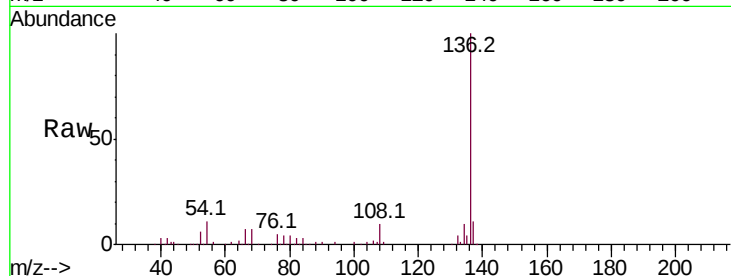




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036886.D
Acq: 22 Sep 2018 9:40

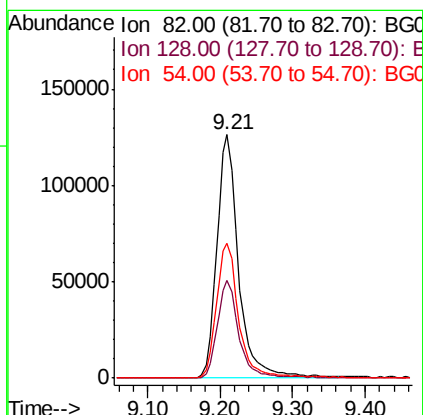
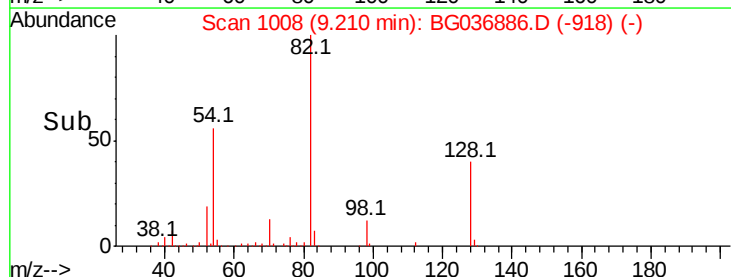
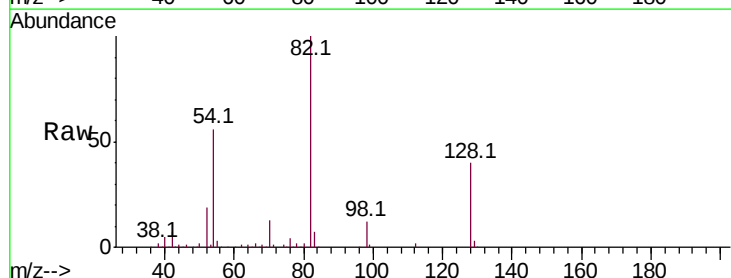
Instrument :
BNA_G
ClientSampleId :

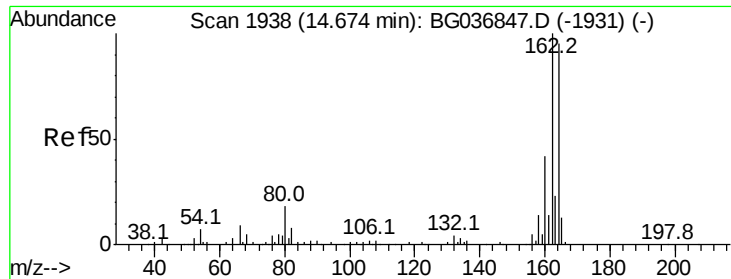
Tot Ion:136	Resp:	154377
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.8 13.2
54	11.4	9.2 13.8
68	6.7	5.8 8.6



#23
Nitrobenzene-d5
Concen: 91.071 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BG036886.D
Acq: 22 Sep 2018 9:40

Tgt Ion: 82	Resp:	262540
Ion Ratio	Lower	Upper
82	100	
128	39.9	33.3 49.9
54	55.6	45.1 67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.00 min

Lab File: BG036886.D

Acq: 22 Sep 2018 9:40

Instrument :

BNA_G

ClientSampleId :

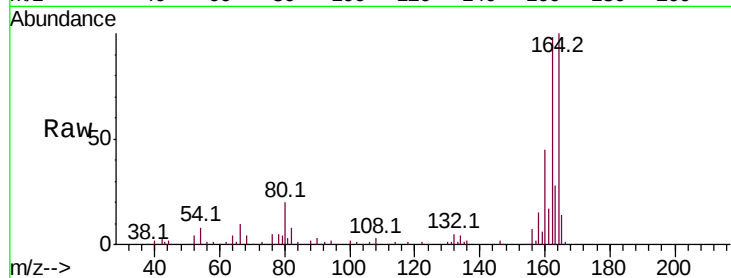
Tot Ion:164 Resp: 105773

Ion Ratio Lower Upper

164 100

162 98.1 80.7 121.1

160 45.5 35.3 52.9

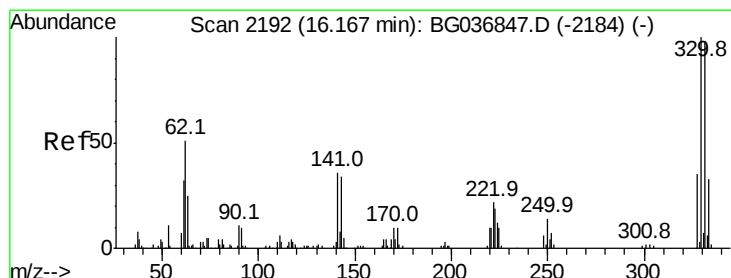
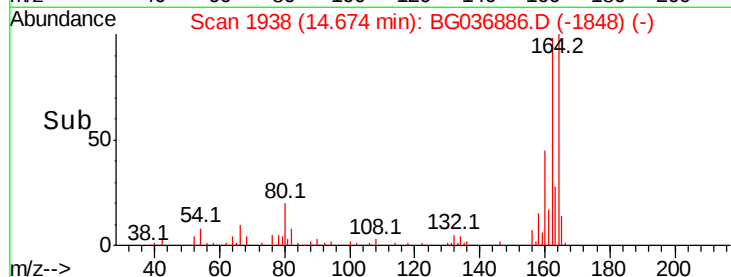
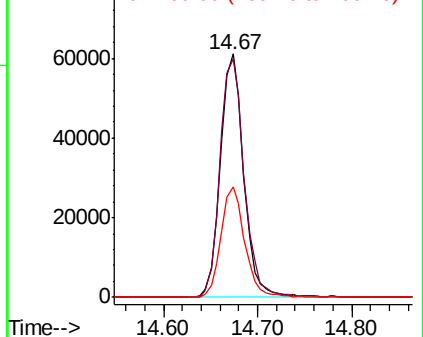


Abundance

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: 141.510 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036886.D

Acq: 22 Sep 2018 9:40

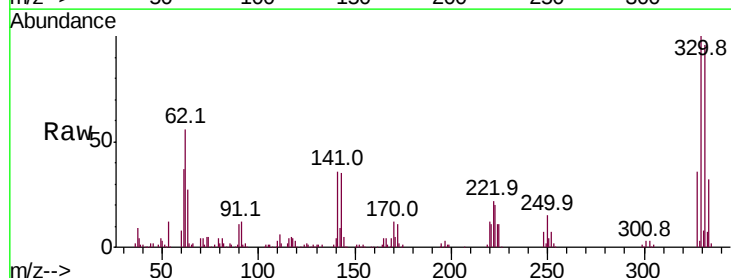
Tgt Ion:330 Resp: 179082

Ion Ratio Lower Upper

330 100

332 97.6 75.4 113.2

141 38.4 30.7 46.1

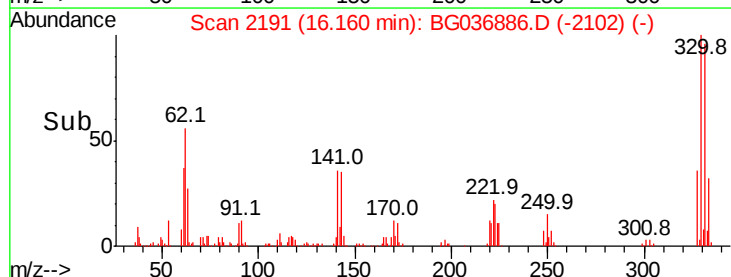
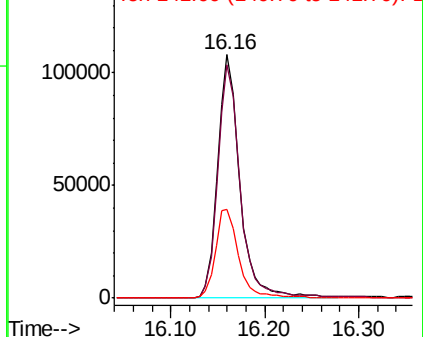


Abundance

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

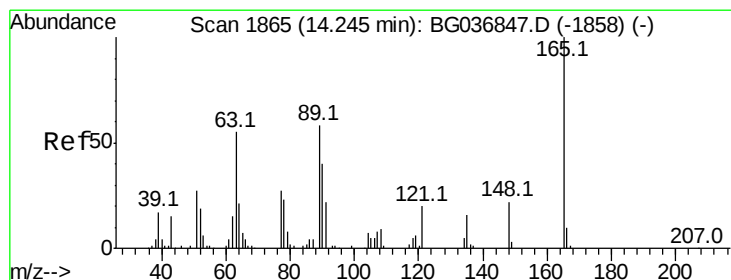
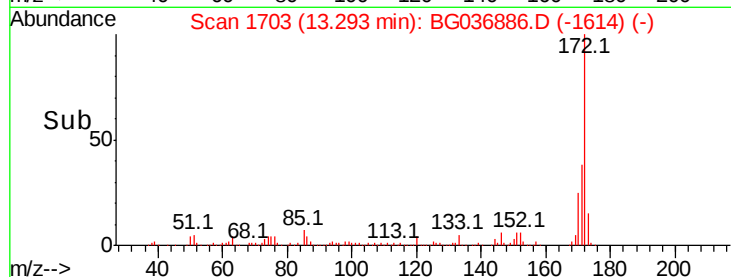
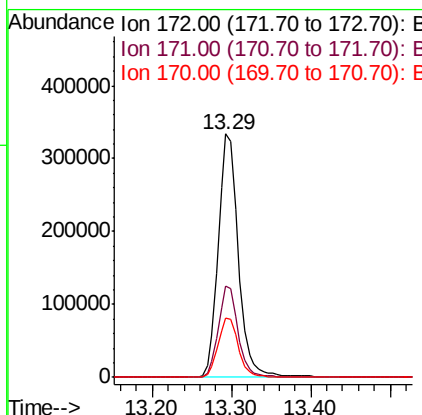
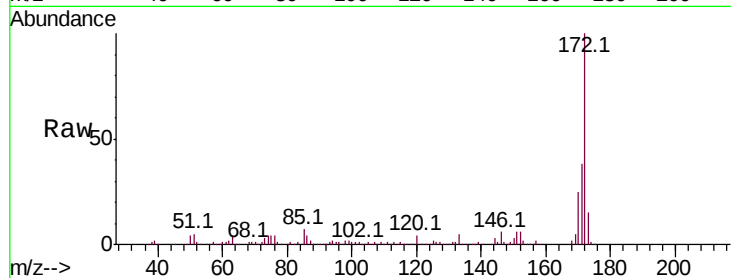




#44
2-Fluorobiphenyl
Concen: 82.958 ng
RT: 13.29 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BG036886.D
Acq: 22 Sep 2018 9:40

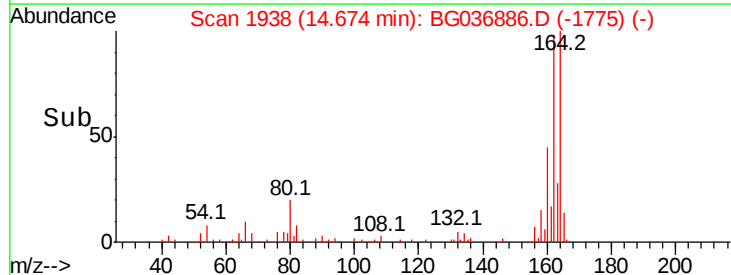
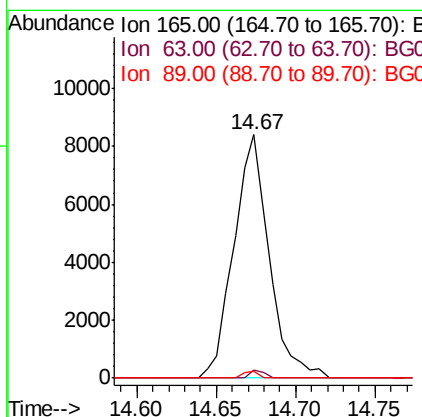
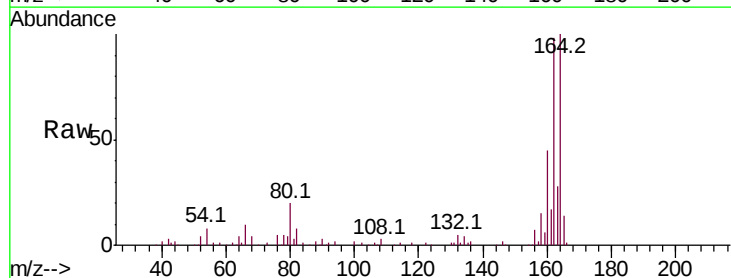
Instrument :
BNA_G
ClientSampled :

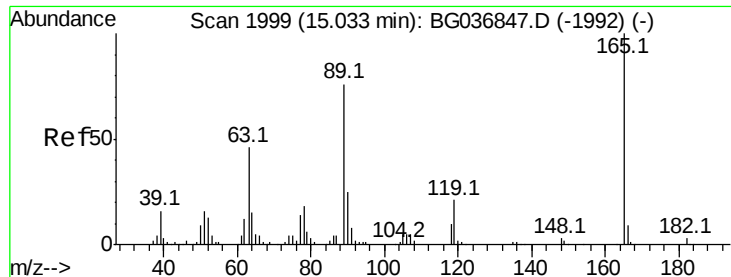
Tot Ion:172 Resp: 589151
Ion Ratio Lower Upper
172 100
171 37.7 31.3 46.9
170 24.5 21.0 31.6



#50
2,6-Dinitrotoluene
Concen: 6.956 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.43 min
Lab File: BG036886.D
Acq: 22 Sep 2018 9:40

Tgt Ion:165 Resp: 12922
Ion Ratio Lower Upper
165 100
63 3.2 50.1 75.1#
89 2.5 47.8 71.6#

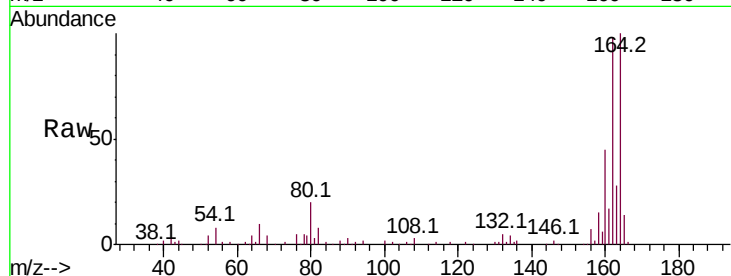




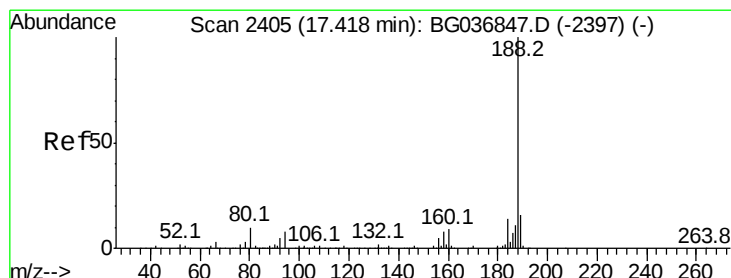
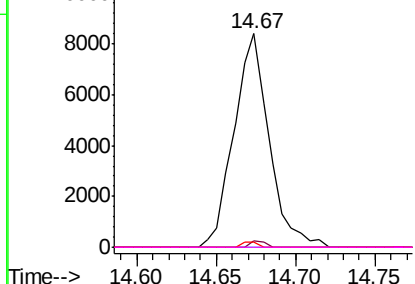
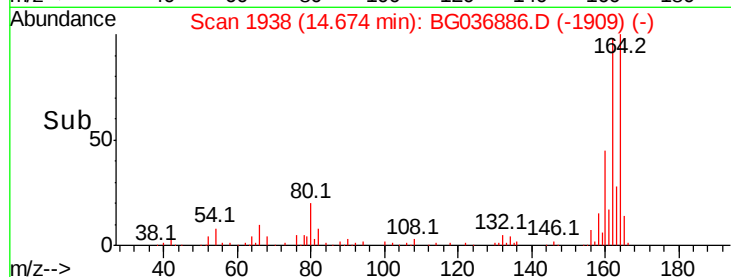
#56
 2,4-Dinitrotoluene
 Concen: 4.985 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG036886.D
 Acq: 22 Sep 2018 9:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 12922
 Ion Ratio Lower Upper
 165 100
 63 3.2 40.1 60.1#
 89 2.5 63.7 95.5#
 182 0.0 2.5 3.7#

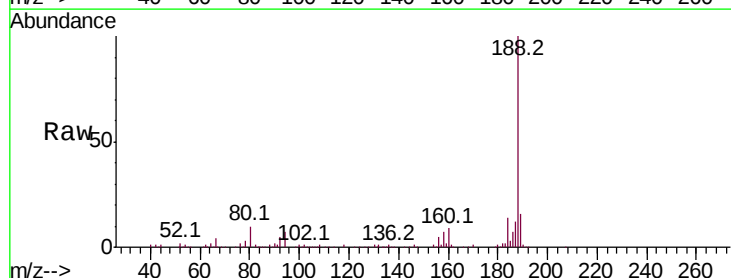


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

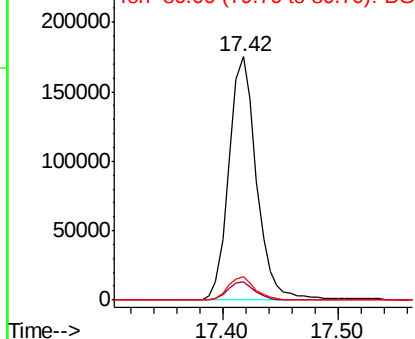
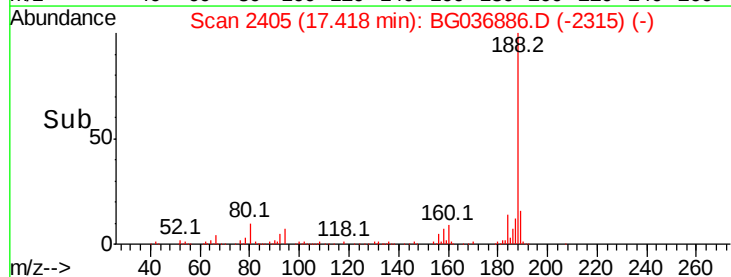


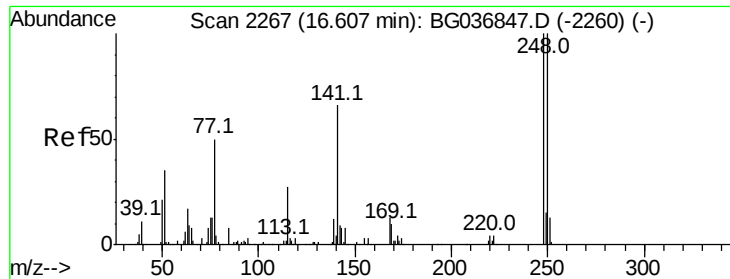
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.00 min
 Lab File: BG036886.D
 Acq: 22 Sep 2018 9:40

Tgt Ion:188 Resp: 291300
 Ion Ratio Lower Upper
 188 100
 94 7.4 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

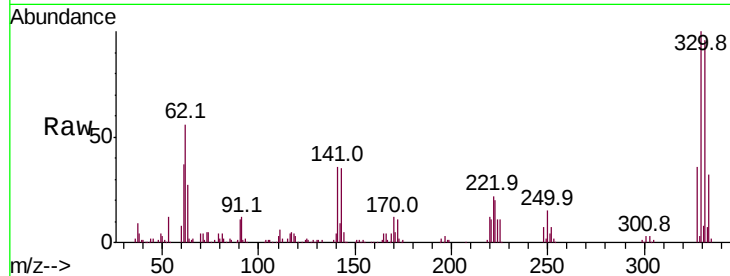




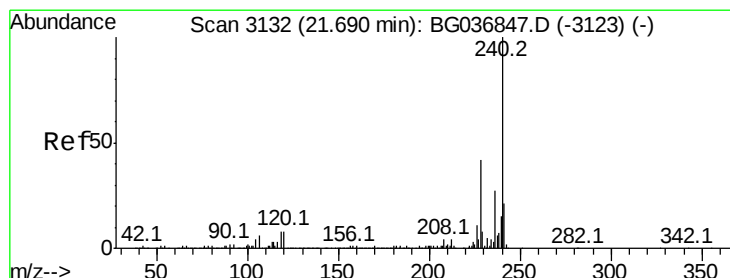
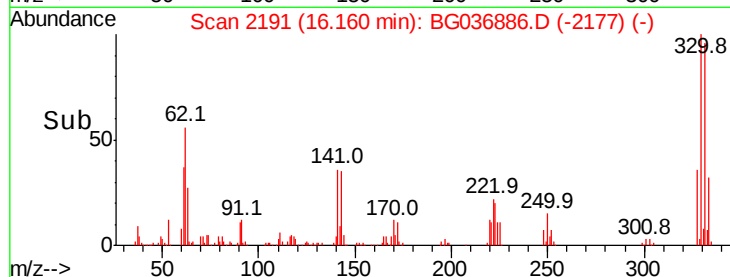
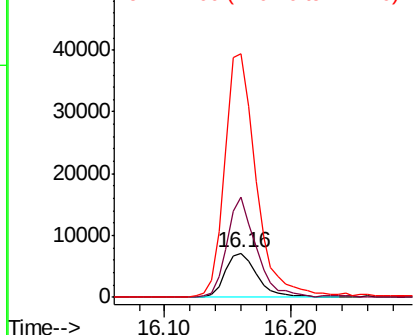
#66
4-Bromophenyl-phenylether
Concen: 3.762 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.45 min
Lab File: BG036886.D
Acq: 22 Sep 2018 9:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 12464
Ion Ratio Lower Upper
248 100
250 225.1 78.1 117.1#
141 549.7 53.7 80.5#

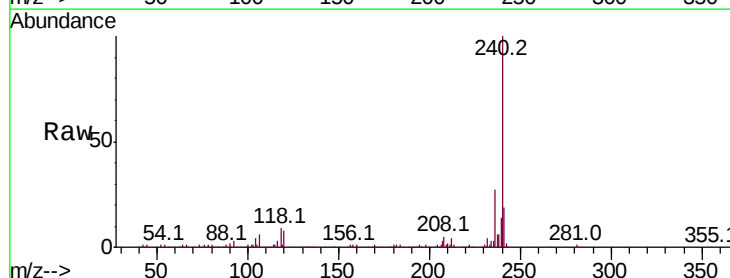


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

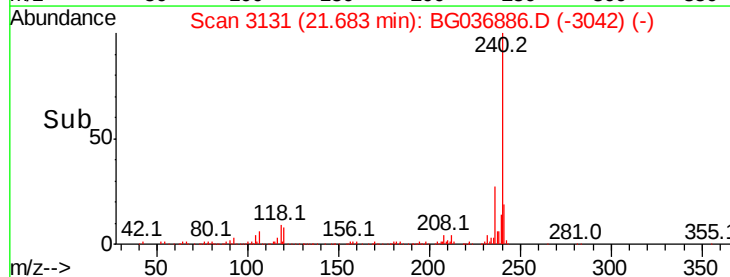
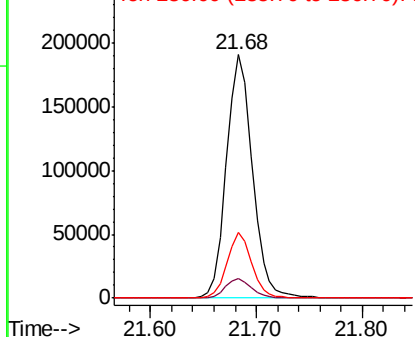


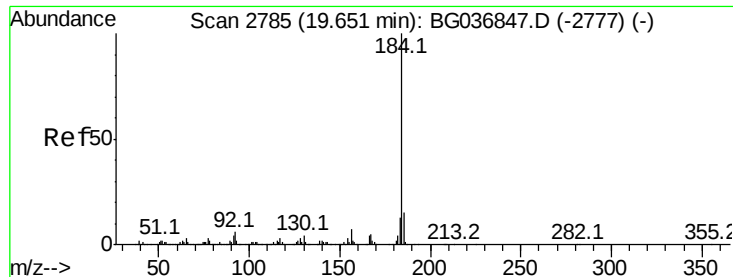
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG036886.D
Acq: 22 Sep 2018 9:40

Tgt Ion:240 Resp: 324888
Ion Ratio Lower Upper
240 100
120 8.1 6.9 10.3
236 26.8 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

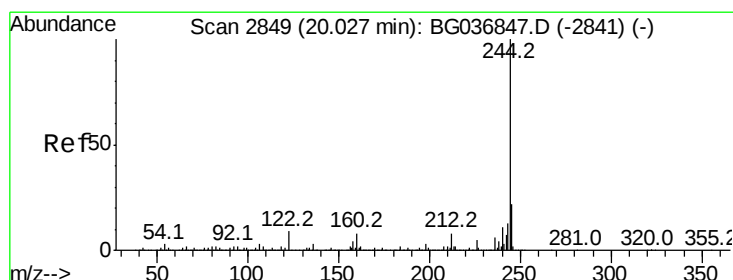
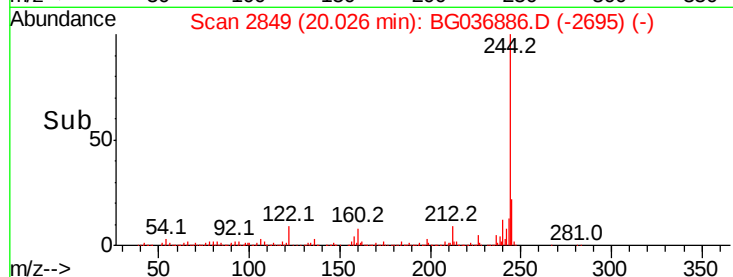
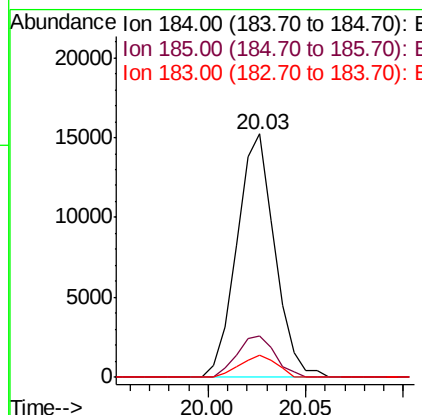
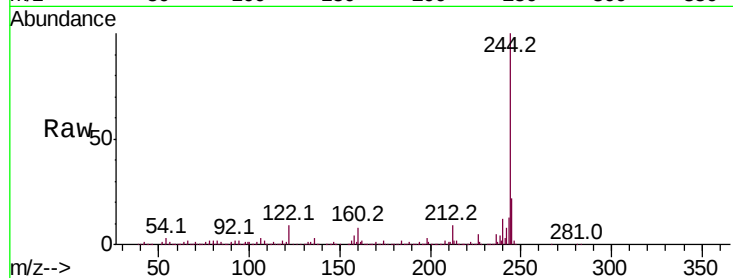




#76
Benzidine
Concen: 2.079 ng
RT: 20.03 min Scan# 2849
Delta R.T. 0.38 min
Lab File: BG036886.D
Acq: 22 Sep 2018 9:40

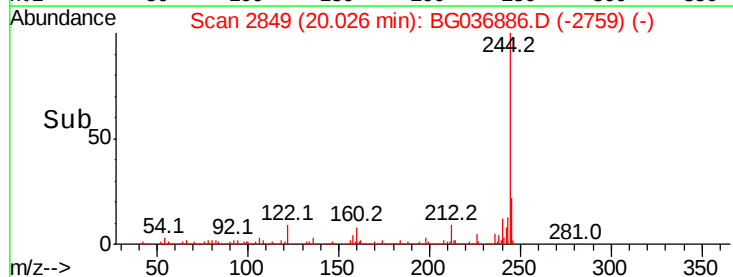
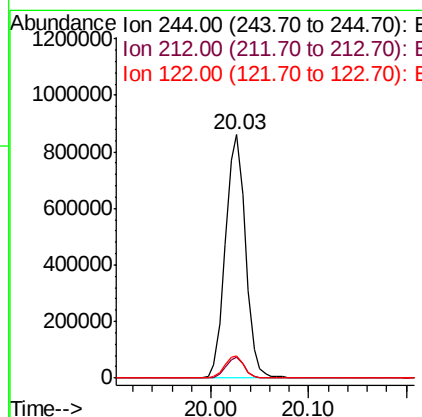
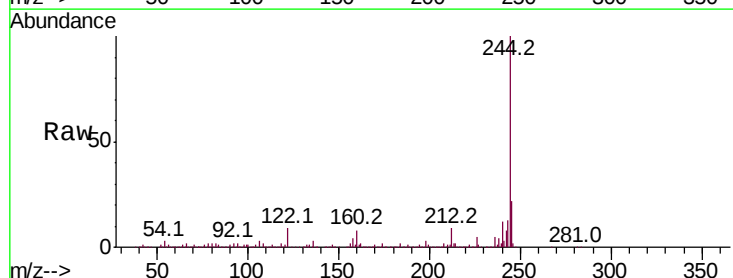
Instrument :
BNA_G
ClientSampleId :

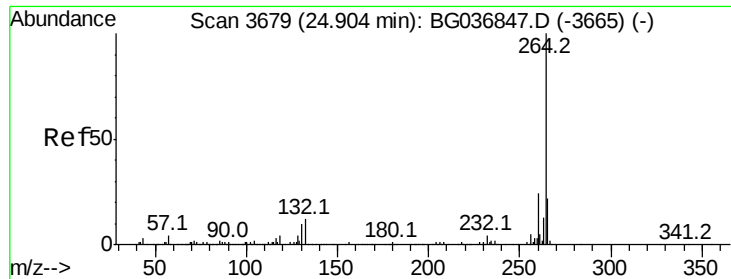
Tot Ion:184 Resp: 20418
Ion Ratio Lower Upper
184 100
185 17.0 12.6 18.8
183 9.2 10.9 16.3#



#78
Terphenyl-d14
Concen: 99.635 ng
RT: 20.03 min Scan# 2849
Delta R.T. -0.00 min
Lab File: BG036886.D
Acq: 22 Sep 2018 9:40

Tgt Ion:244 Resp: 1231046
Ion Ratio Lower Upper
244 100
212 8.6 7.0 10.6
122 8.9 7.1 10.7

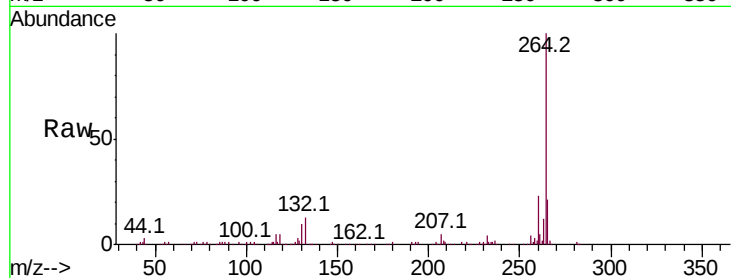




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3677
Delta R.T. -0.01 min
Lab File: BG036886.D
Acq: 22 Sep 2018 9:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.6	29.4
265	21.4	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

