

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092118\
 Data File : BG036867.D
 Acq On : 21 Sep 2018 20:41
 Operator : JU/SJ
 Sample : J4777-20
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-0920-18-D

Quant Time: Sep 22 04:29:38 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

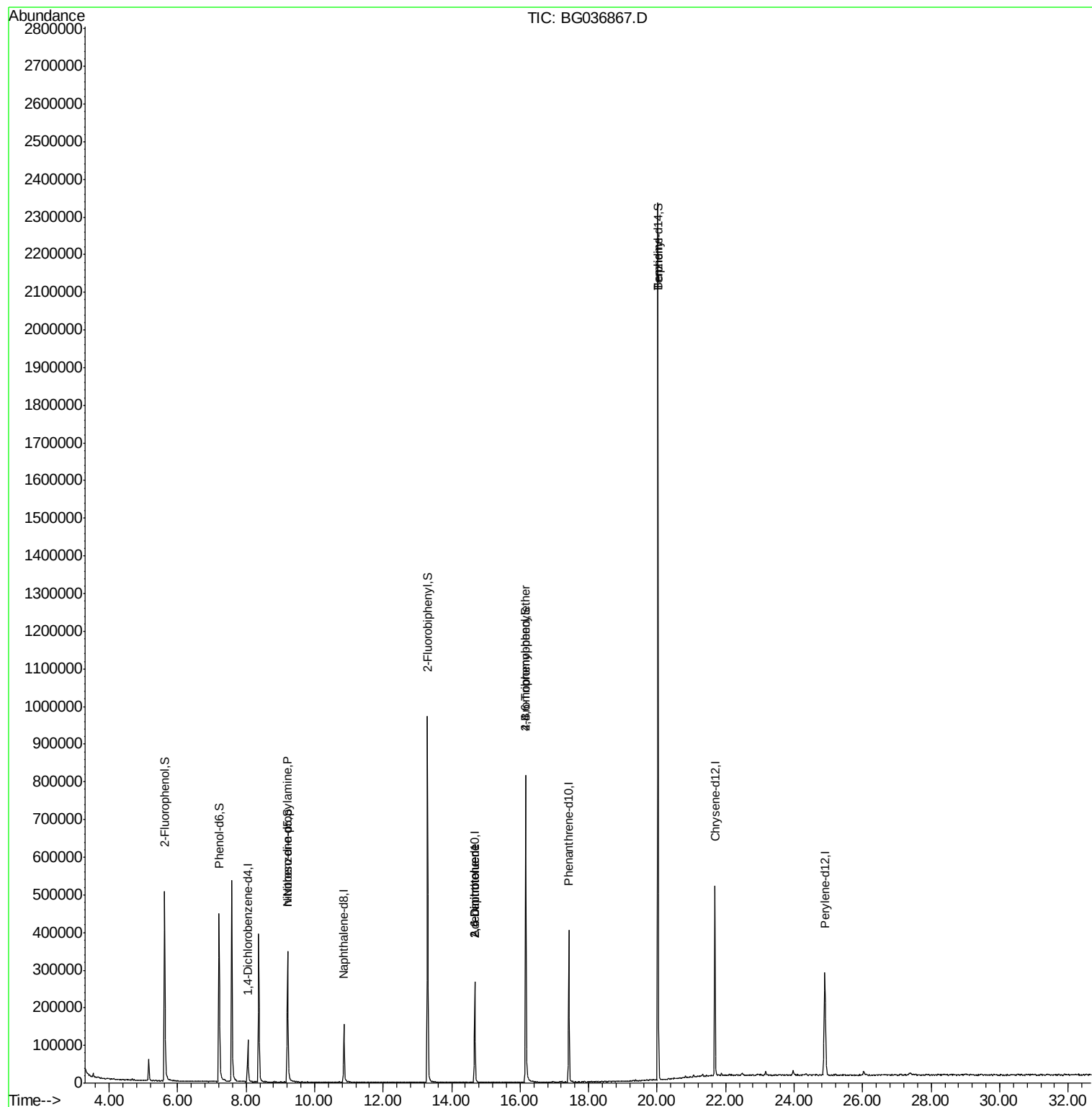
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	36593	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	148160	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	100174	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	282375	20.00	ng	0.00
75) Chrysene-d12	21.69	240	318608	20.00	ng	0.00
86) Perylene-d12	24.89	264	314865	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	239091	125.30	ng	0.00
7) Phenol-d6	7.21	99	311245	105.43	ng	0.00
23) Nitrobenzene-d5	9.21	82	243757	88.10	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	170225	142.03	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	553472	82.29	ng	0.00
78) Terphenyl-d14	20.02	244	1194168	98.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	32061	13.055	ng	# 73
50) 2,6-Dinitrotoluene	14.67	165	12244	6.960	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	12244	4.988	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	11737	3.654	ng	# 1
76) Benzidine	20.02	184	20397	2.118	ng	# 94

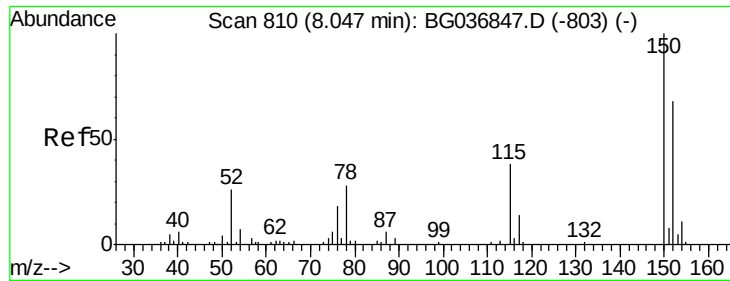
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 20 20:07:11 2018
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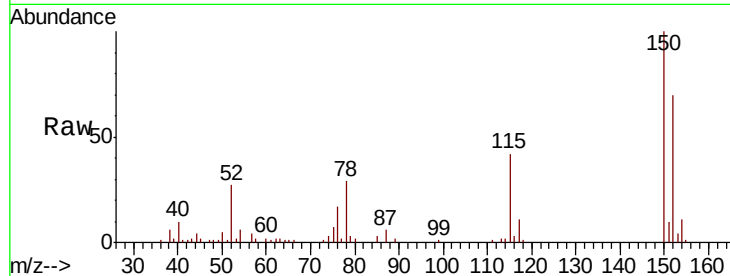




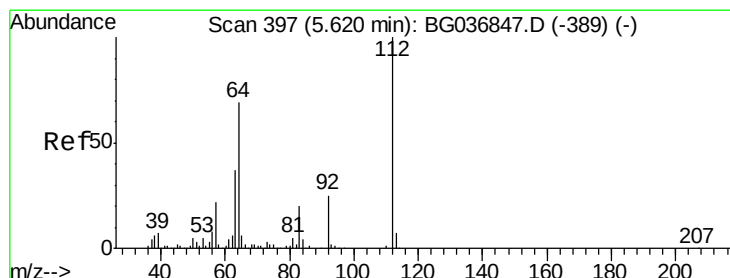
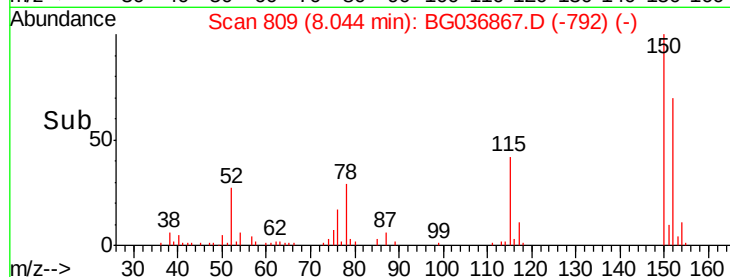
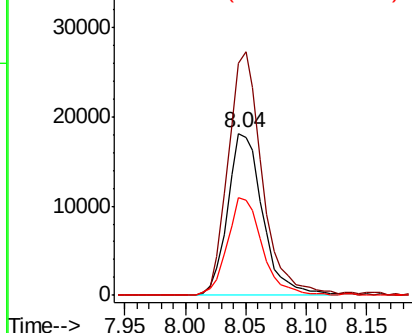
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BG036867.D
 Acq: 21 Sep 2018 20:41

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-0920-18-D

Tgt Ion:152 Resp: 36593
 Ion Ratio Lower Upper
 152 100
 150 143.1 119.5 179.3
 115 60.4 44.5 66.7

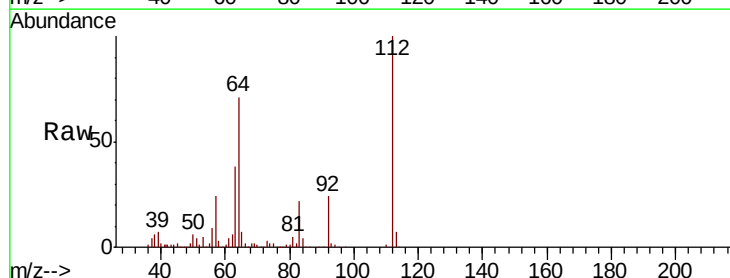


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

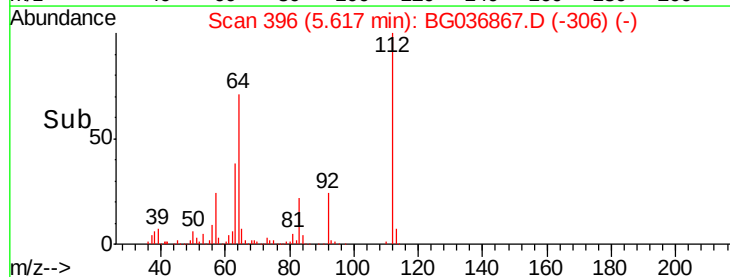
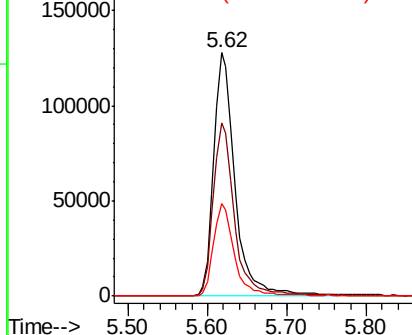


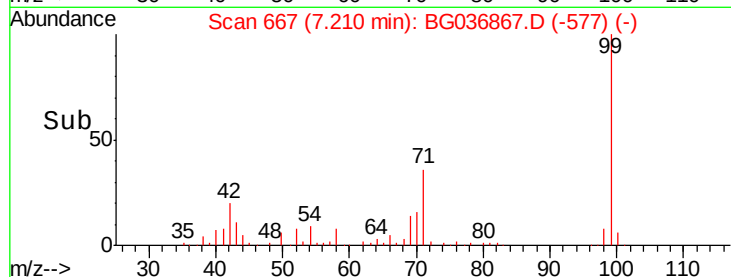
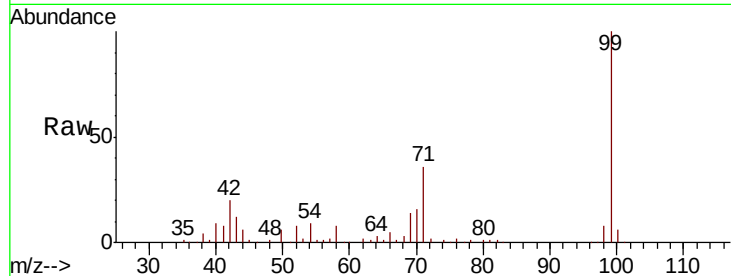
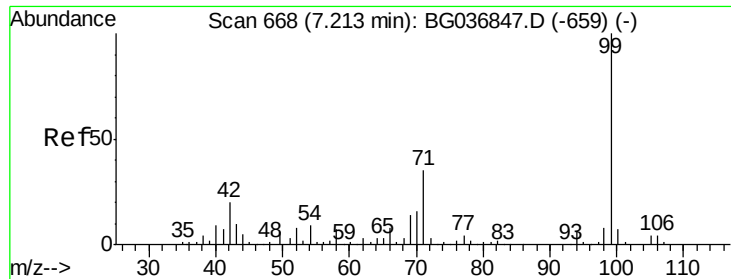
#5
 2-Fluorophenol
 Concen: 125.304 ng
 RT: 5.62 min Scan# 396
 Delta R.T. -0.00 min
 Lab File: BG036867.D
 Acq: 21 Sep 2018 20:41

Tgt Ion:112 Resp: 239091
 Ion Ratio Lower Upper
 112 100
 64 71.1 57.2 85.8
 63 37.9 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: 105.430 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG036867.D

Acq: 21 Sep 2018 20:41

Instrument :

BNA_G

ClientSampleId :

PL-02-0920-18-D

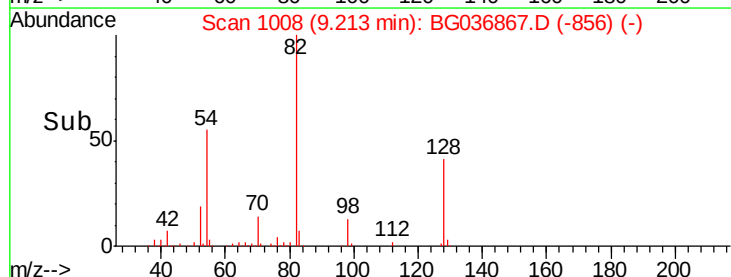
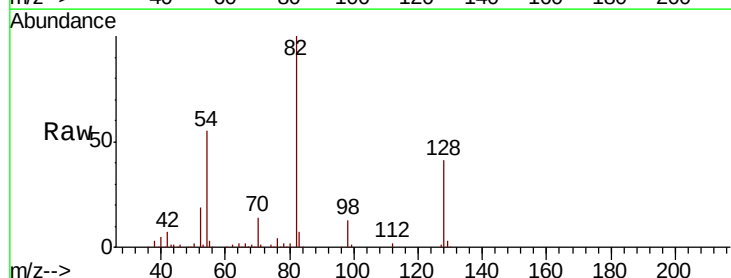
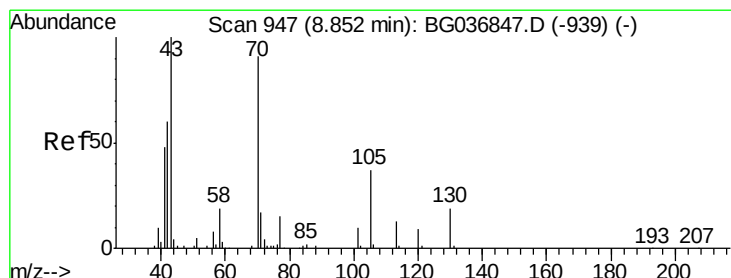
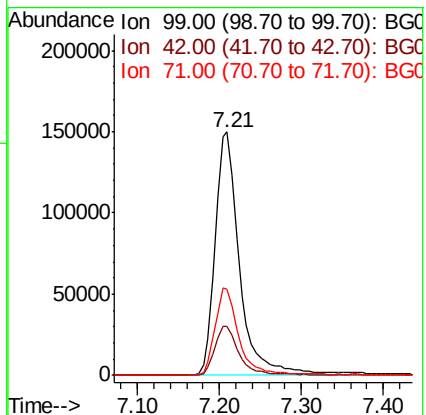
Tgt Ion: 99 Resp: 311245

Ion Ratio Lower Upper

99 100

42 20.3 16.5 24.7

71 35.5 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.055 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BG036867.D

Acq: 21 Sep 2018 20:41

Tgt Ion: 70 Resp: 32061

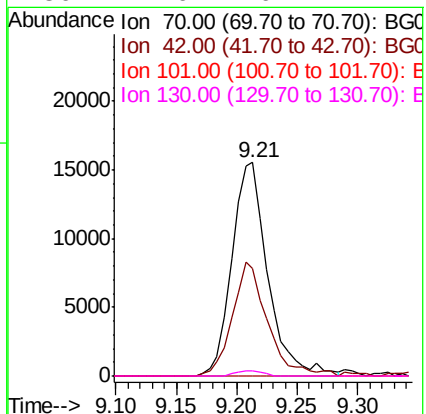
Ion Ratio Lower Upper

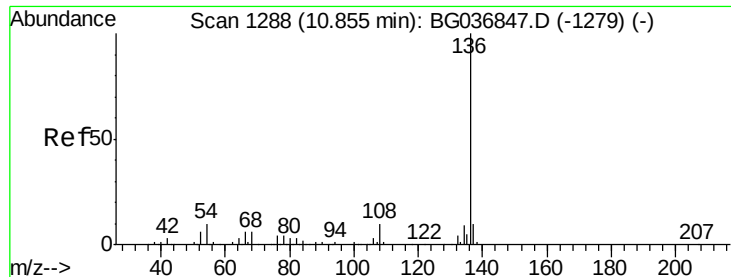
70 100

42 50.5 56.2 84.4#

101 0.0 7.8 11.6#

130 2.6 16.2 24.2#

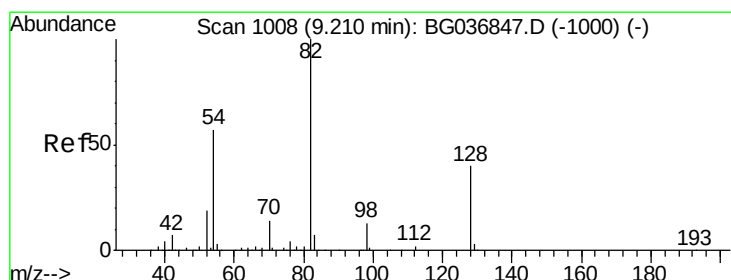
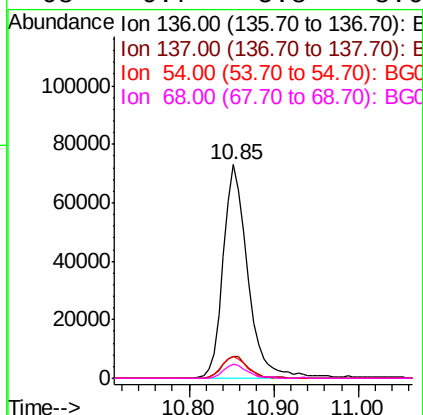
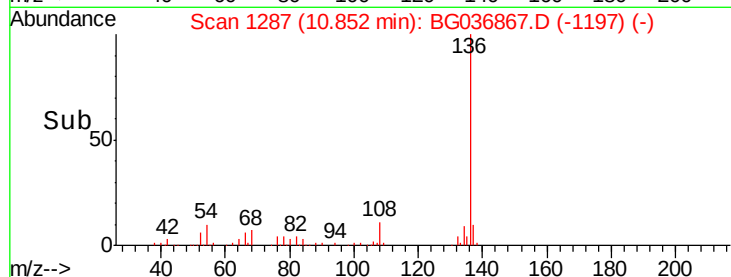
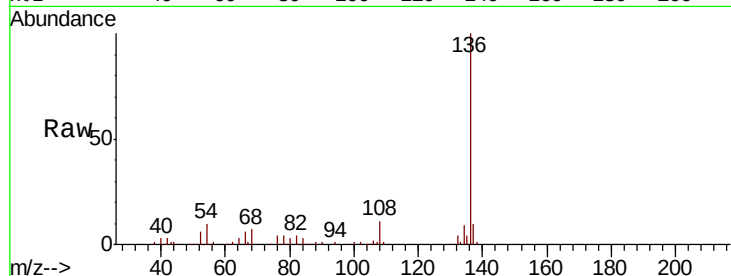




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BG036867.D
Acq: 21 Sep 2018 20:41

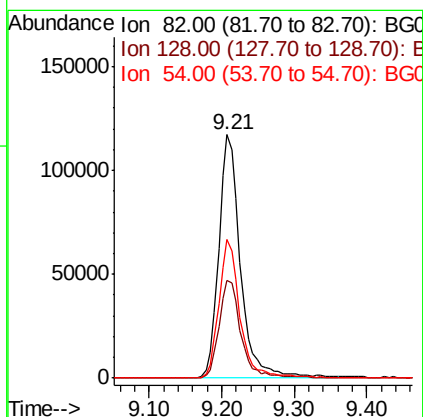
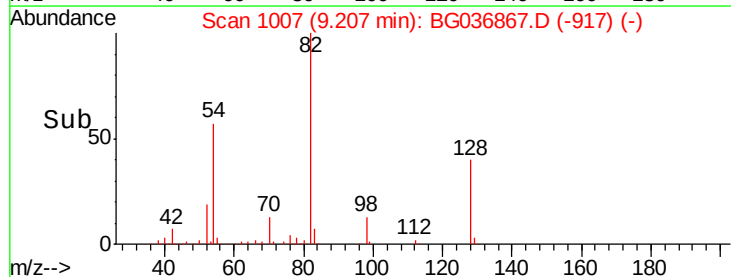
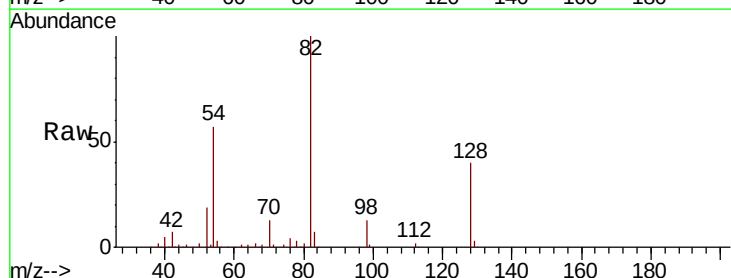
Instrument :
BNA_G
ClientSampleId :
PL-02-0920-18-D

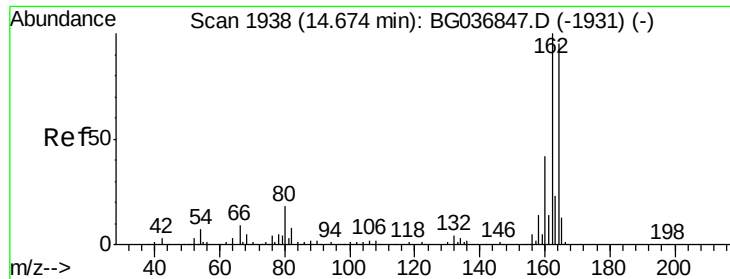
Tgt Ion:	136	Resp:	148160
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	10.3	9.2	13.8
68	6.7	5.8	8.6



#23
Nitrobenzene-d5
Concen: 88.104 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BG036867.D
Acq: 21 Sep 2018 20:41

Tgt Ion:	82	Resp:	243757
Ion	Ratio	Lower	Upper
82	100		
128	40.1	33.3	49.9
54	57.1	45.1	67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.00 min

Lab File: BG036867.D

Acq: 21 Sep 2018 20:41

Instrument :

BNA_G

ClientSampleId :

PL-02-0920-18-D

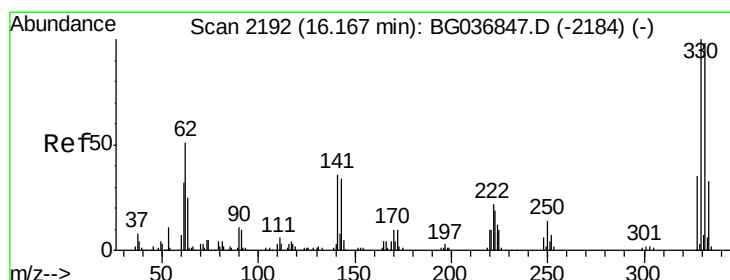
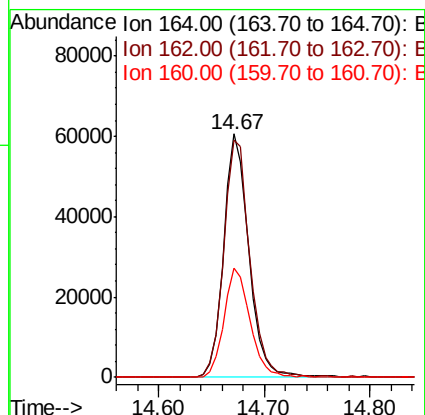
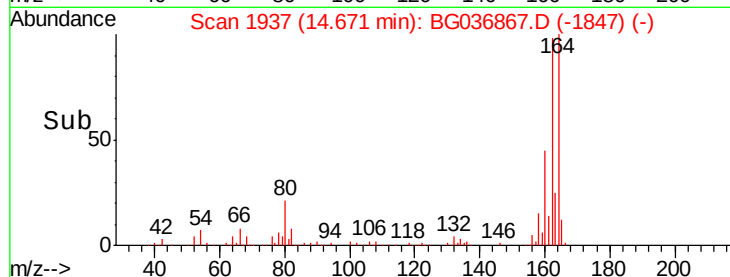
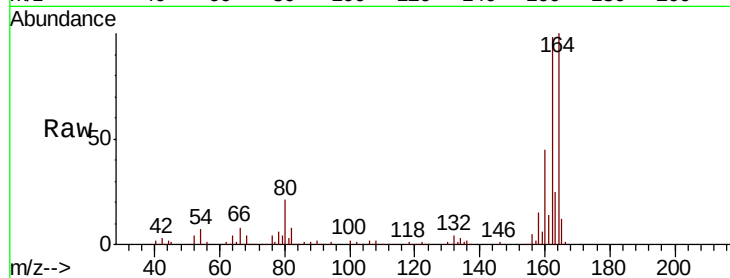
Tgt Ion:164 Resp: 100174

Ion Ratio Lower Upper

164 100

162 97.6 80.7 121.1

160 44.6 35.3 52.9



#41

2,4,6-Tribromophenol

Concen: 142.029 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BG036867.D

Acq: 21 Sep 2018 20:41

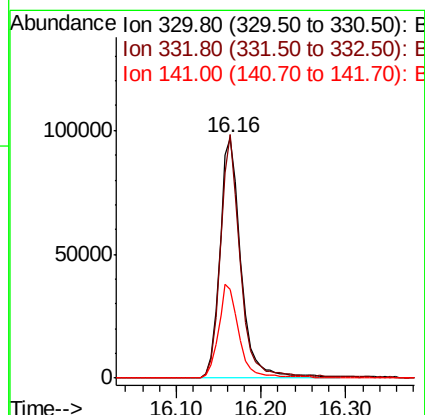
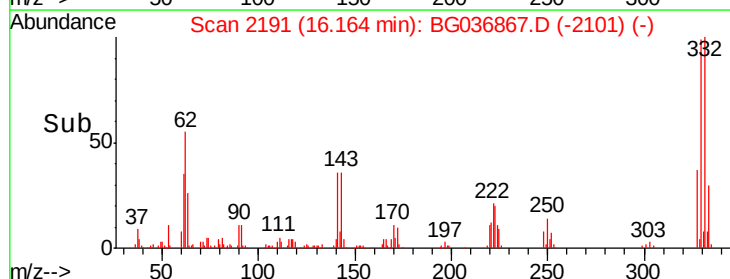
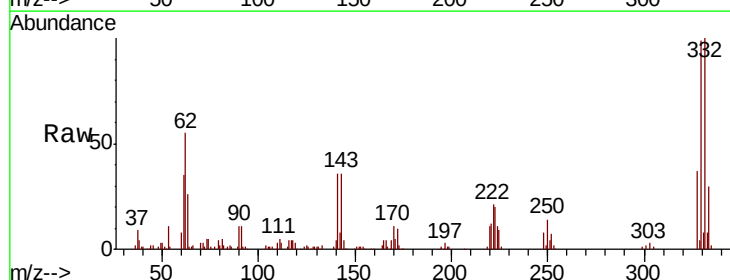
Tgt Ion:330 Resp: 170225

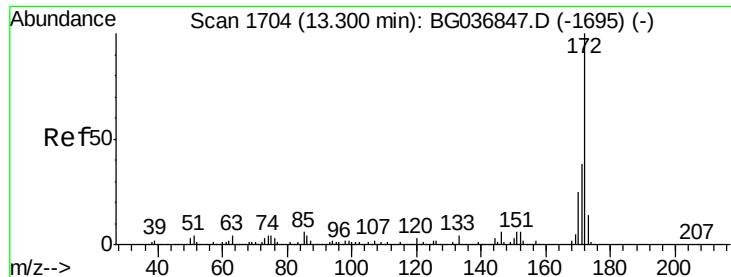
Ion Ratio Lower Upper

330 100

332 94.1 75.4 113.2

141 37.3 30.7 46.1

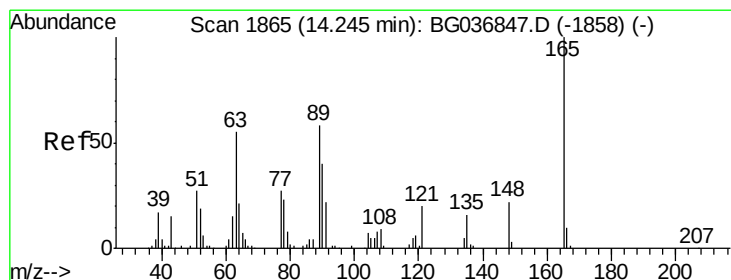
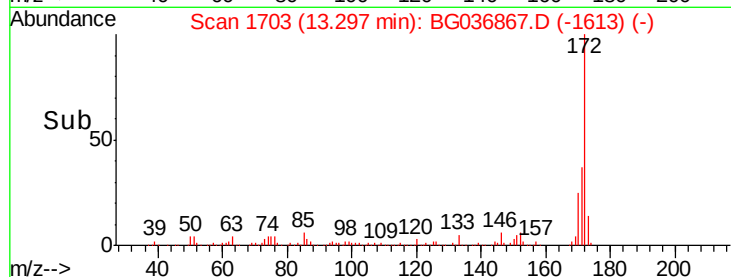
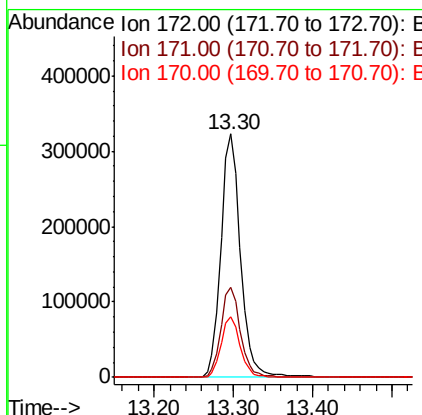
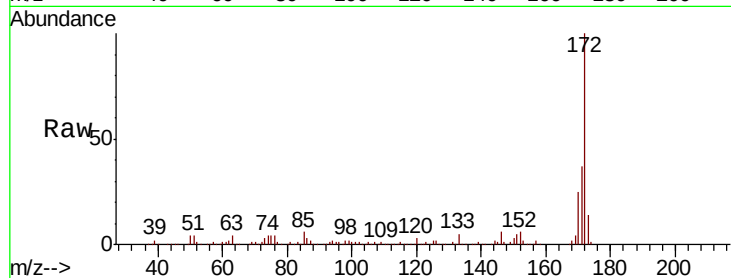




#44
 2-Fluorobiphenyl
 Concen: 82.290 ng
 RT: 13.30 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BG036867.D
 Acq: 21 Sep 2018 20:41

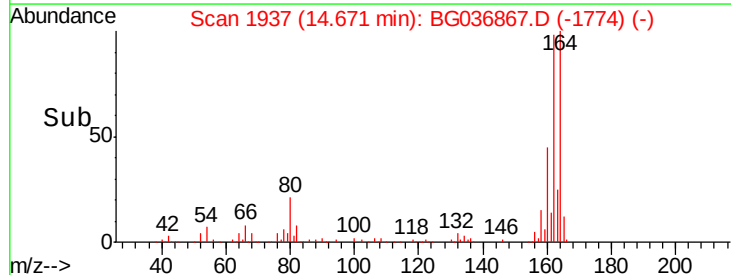
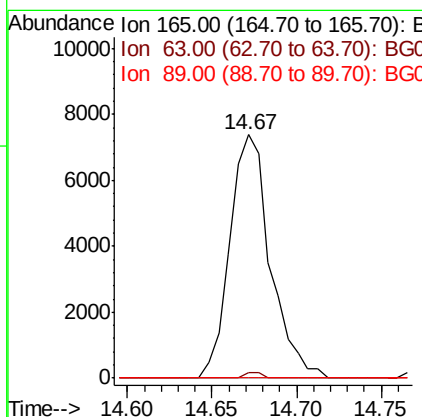
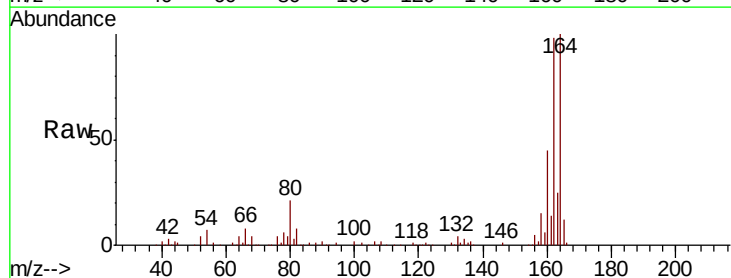
Instrument :
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 PL-02-0920-18-D

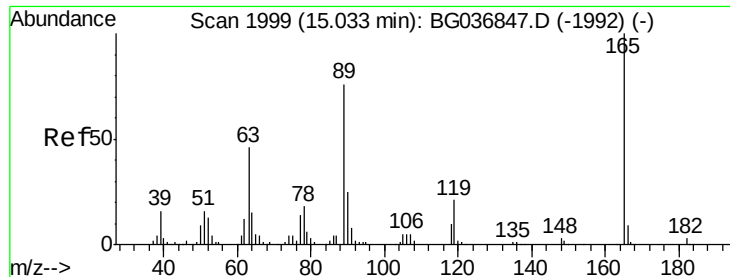
Tgt Ion:172 Resp: 553472
 Ion Ratio Lower Upper
 172 100
 171 37.0 31.3 46.9
 170 25.1 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 6.960 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.43 min
 Lab File: BG036867.D
 Acq: 21 Sep 2018 20:41

Tgt Ion:165 Resp: 12244
 Ion Ratio Lower Upper
 165 100
 63 2.3 50.1 75.1#
 89 0.0 47.8 71.6#

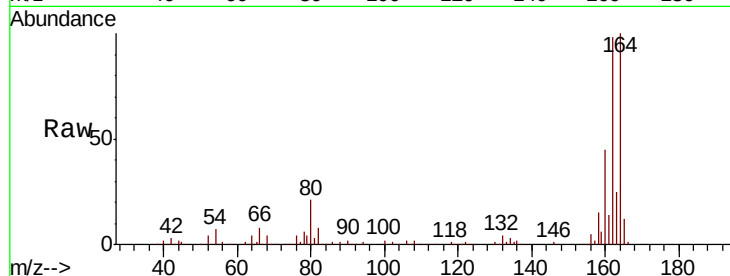




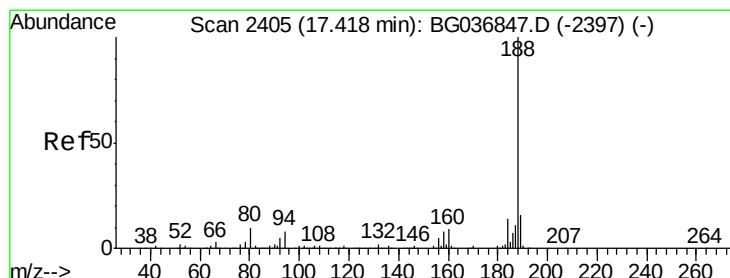
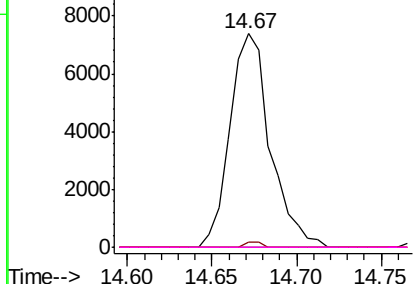
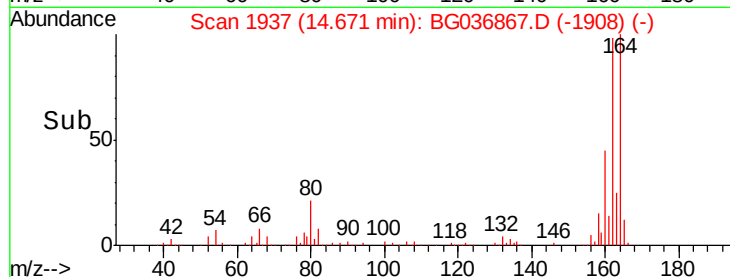
#56
2,4-Dinitrotoluene
Concen: 4.988 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.36 min
Lab File: BG036867.D
Acq: 21 Sep 2018 20:41

Instrument :
BNA_G
ClientSampleId :
PL-02-0920-18-D

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#

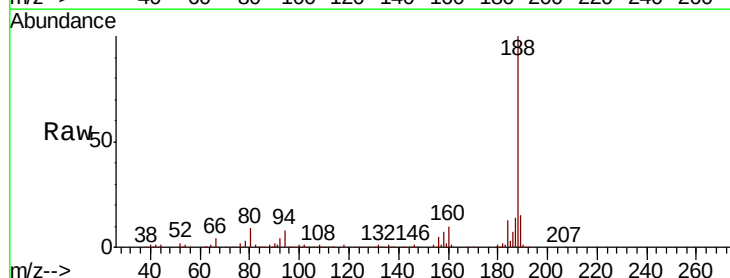


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

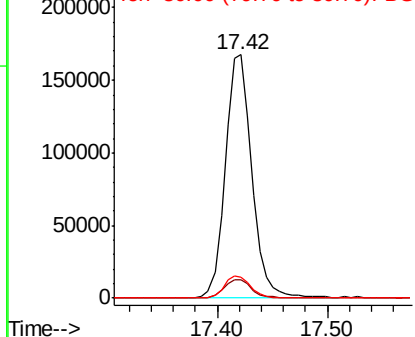
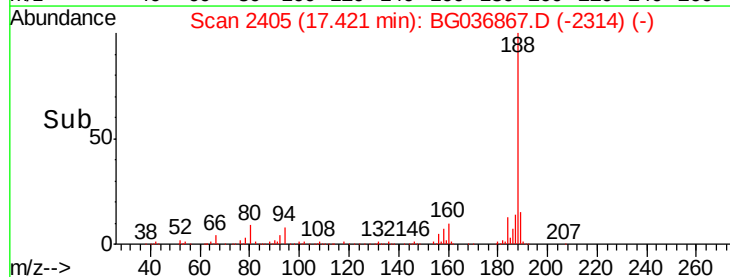


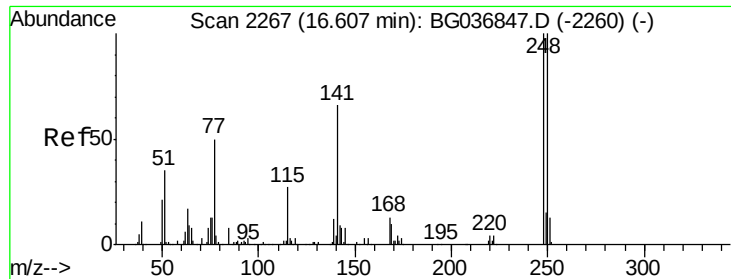
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2405
Delta R.T. 0.00 min
Lab File: BG036867.D
Acq: 21 Sep 2018 20:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	8.6	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

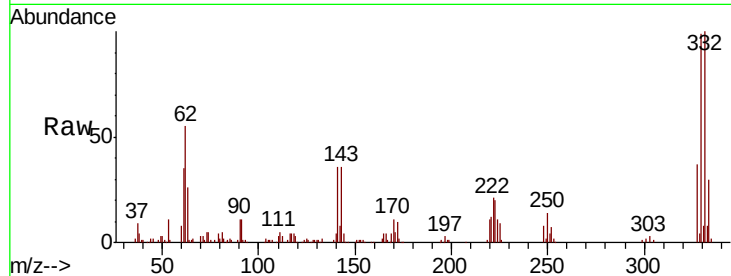




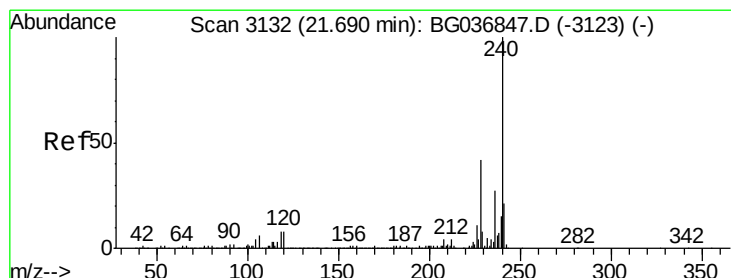
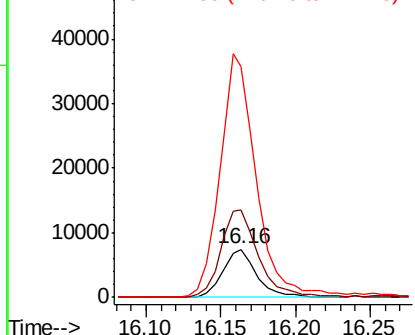
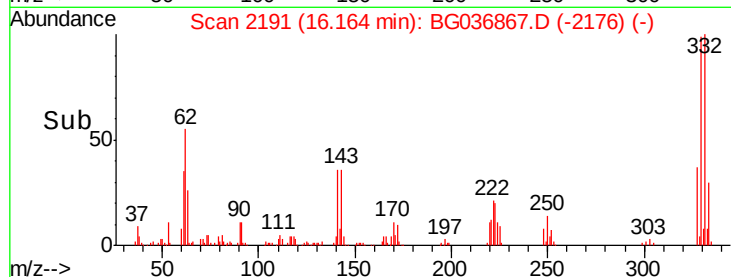
#66
 4-Bromophenyl-phenylether
 Concen: 3.654 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.44 min
 Lab File: BG036867.D
 Acq: 21 Sep 2018 20:41

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-0920-18-D

Tgt Ion:248 Resp: 11737
 Ion Ratio Lower Upper
 248 100
 250 182.3 78.1 117.1#
 141 482.4 53.7 80.5#

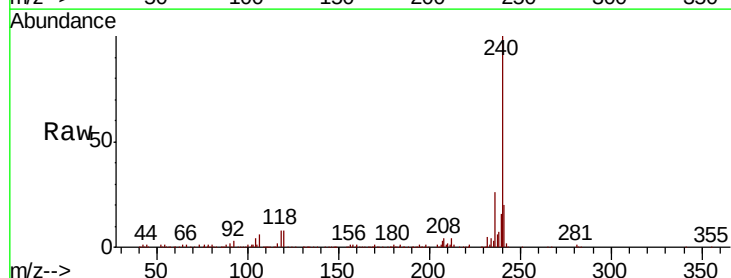


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

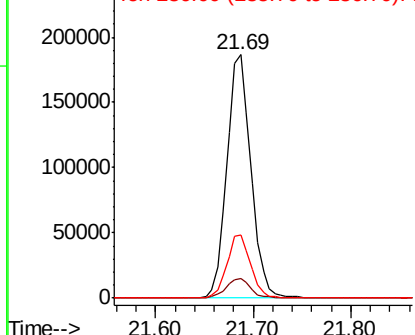
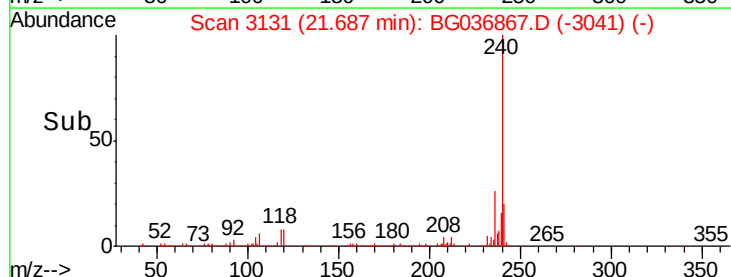


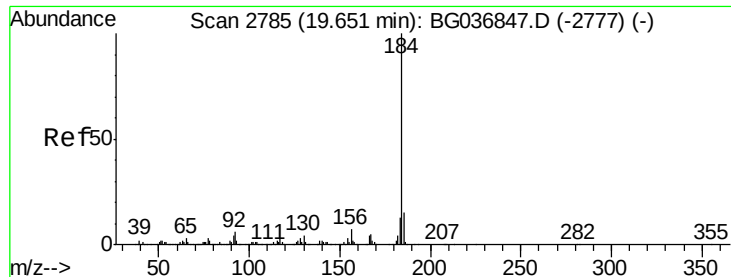
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3131
 Delta R.T. -0.00 min
 Lab File: BG036867.D
 Acq: 21 Sep 2018 20:41

Tgt Ion:240 Resp: 318608
 Ion Ratio Lower Upper
 240 100
 120 8.1 6.9 10.3
 236 25.7 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

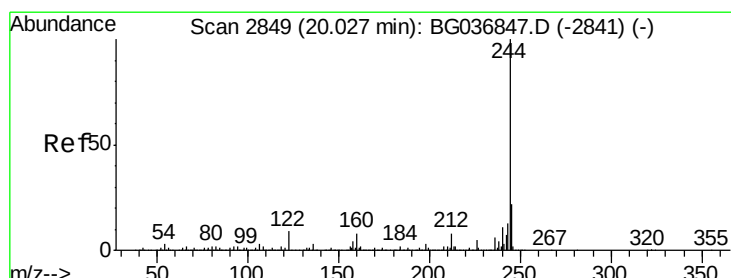
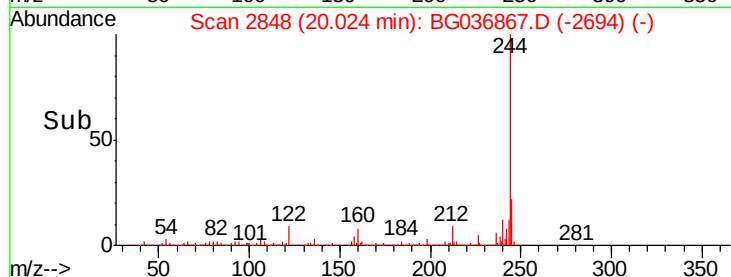
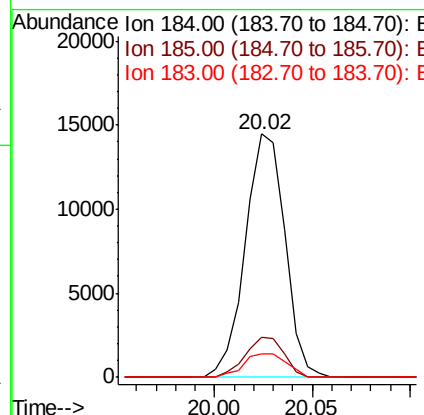
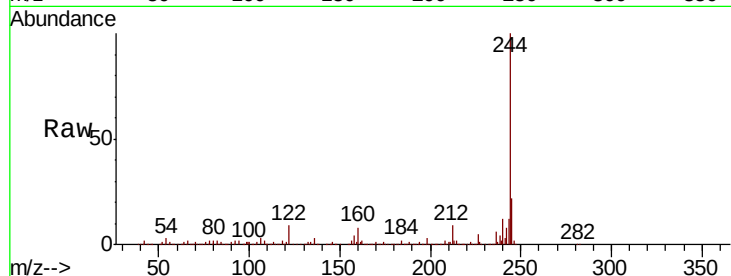




#76
Benzidine
Concen: 2.118 ng
RT: 20.02 min Scan# 2848
Delta R.T. 0.37 min
Lab File: BG036867.D
Acq: 21 Sep 2018 20:41

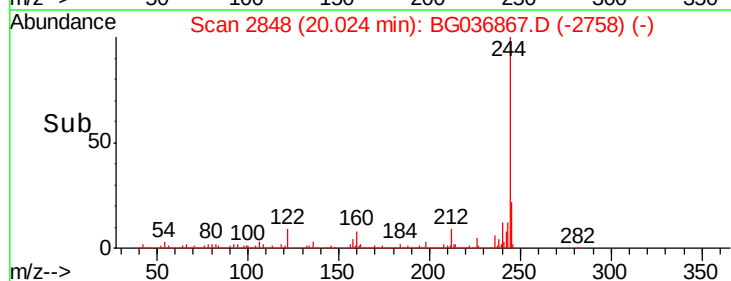
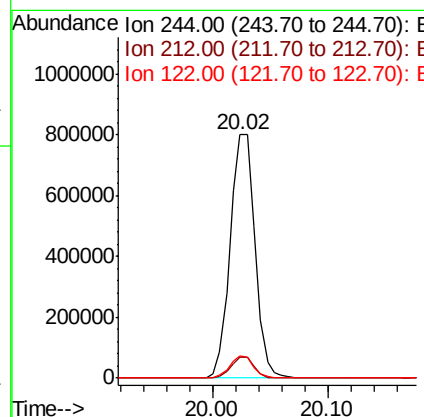
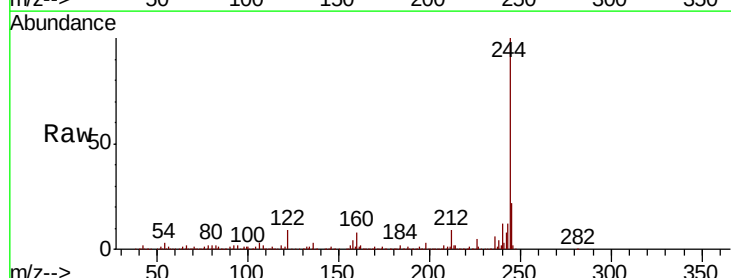
Instrument :
BNA_G
ClientSampleId :
PL-02-0920-18-D

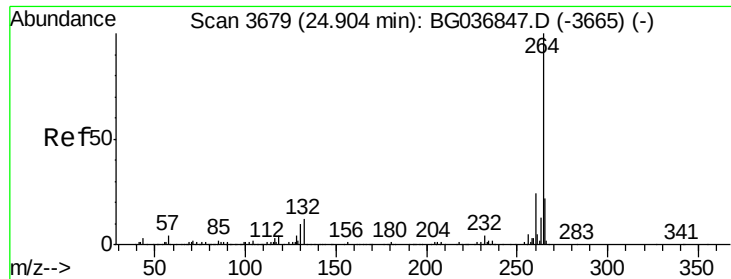
Tgt Ion:184 Resp: 20397
Ion Ratio Lower Upper
184 100
185 16.6 12.6 18.8
183 9.7 10.9 16.3#



#78
Terphenyl-d14
Concen: 98.555 ng
RT: 20.02 min Scan# 2848
Delta R.T. -0.00 min
Lab File: BG036867.D
Acq: 21 Sep 2018 20:41

Tgt Ion:244 Resp: 1194168
Ion Ratio Lower Upper
244 100
212 8.7 7.0 10.6
122 9.0 7.1 10.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3677
Delta R.T. -0.01 min
Lab File: BG036867.D
Acq: 21 Sep 2018 20:41

Instrument :
BNA_G
ClientSampleId :
PL-02-0920-18-D

Tgt Ion:	264	Resp:	314865
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	20.6	17.4	26.0

