

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092118\
 Data File : BG036871.D
 Acq On : 21 Sep 2018 23:17
 Operator : JU/SJ
 Sample : J4777-28
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-04-092018-A

Quant Time: Sep 22 04:30:14 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

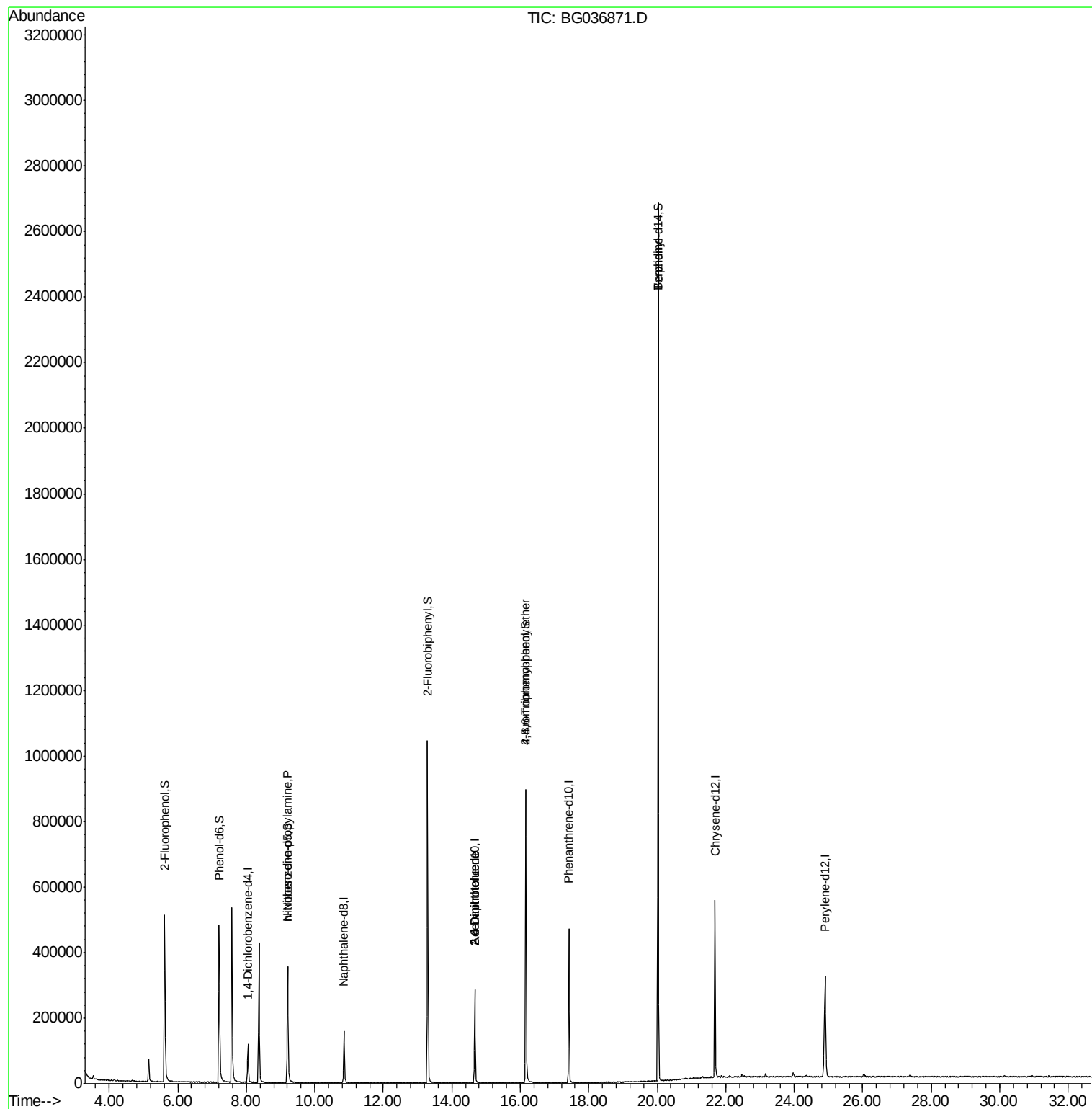
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	37749	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	158823	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	106387	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	307524	20.00	ng	0.00
75) Chrysene-d12	21.68	240	345307	20.00	ng	0.00
86) Perylene-d12	24.90	264	338525	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	243433	123.67	ng	0.00
7) Phenol-d6	7.21	99	313811	103.04	ng	0.00
23) Nitrobenzene-d5	9.21	82	253616	85.51	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	181705	142.75	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	594420	83.22	ng	0.00
78) Terphenyl-d14	20.03	244	1261101	96.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	32306	12.752	ng	# 77
50) 2,6-Dinitrotoluene	14.67	165	13189	7.059	ng	# 23
56) 2,4-Dinitrotoluene	14.67	165	13189	5.059	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	12639	3.613	ng	# 1
76) Benzidine	20.03	184	22700	2.175	ng	# 92

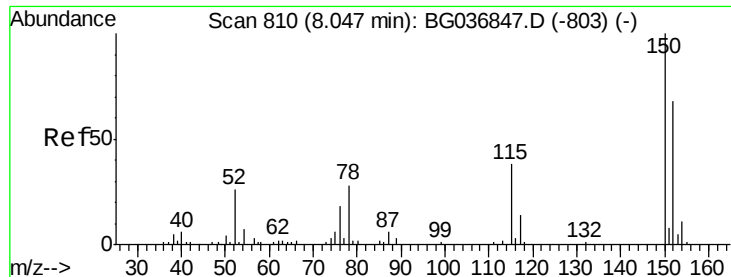
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

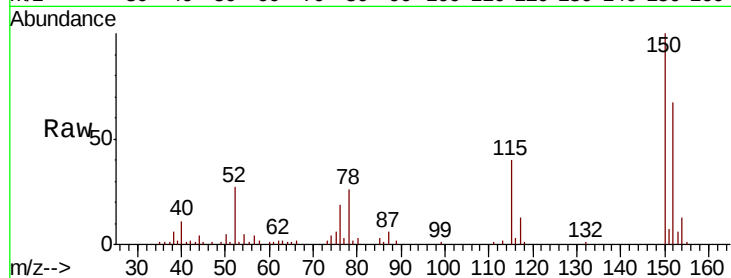




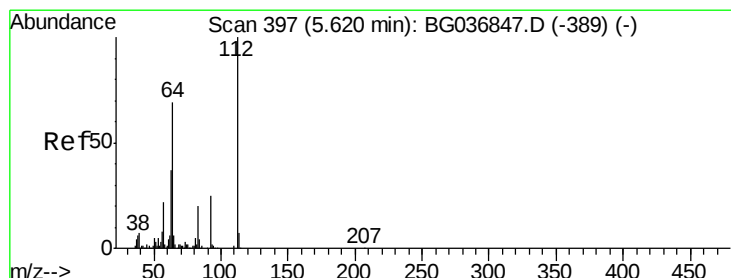
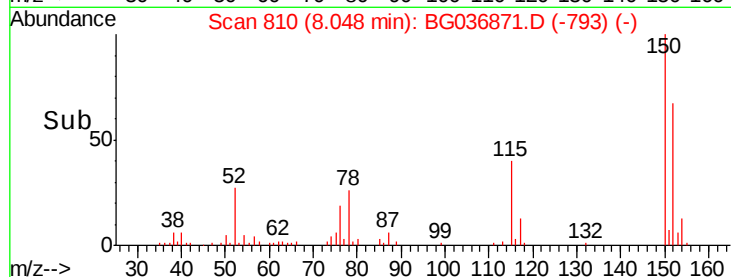
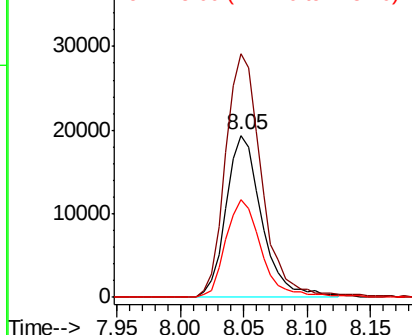
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BG036871.D
 Acq: 21 Sep 2018 23:17

Instrument :
 BNA_G
 ClientSampleId :
 PL-04-092018-A

Tgt Ion:152 Resp: 37749
 Ion Ratio Lower Upper
 152 100
 150 150.0 119.5 179.3
 115 60.3 44.5 66.7

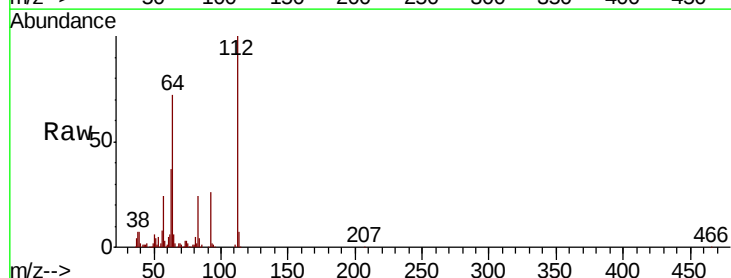


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

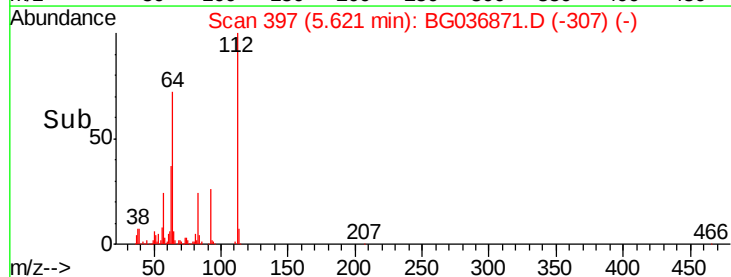
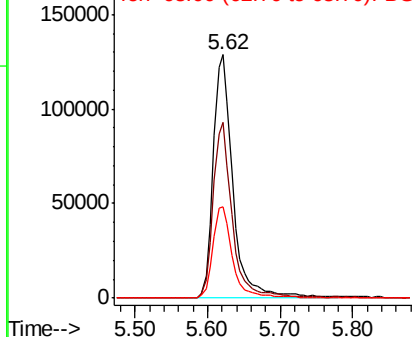


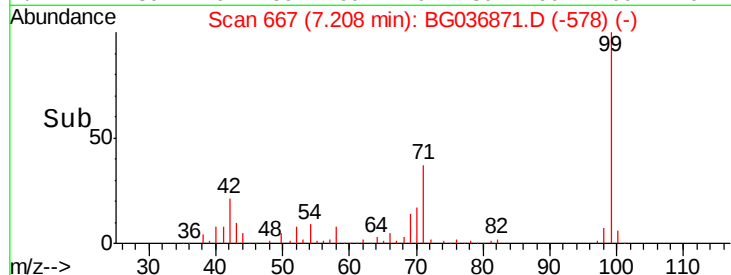
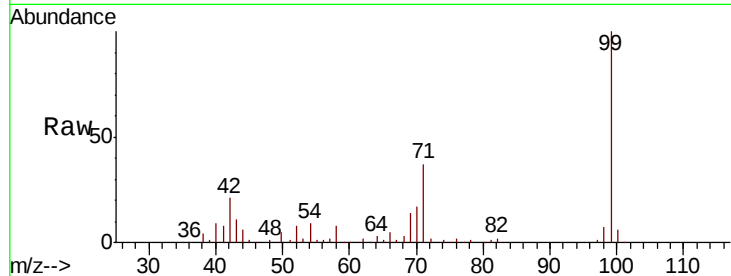
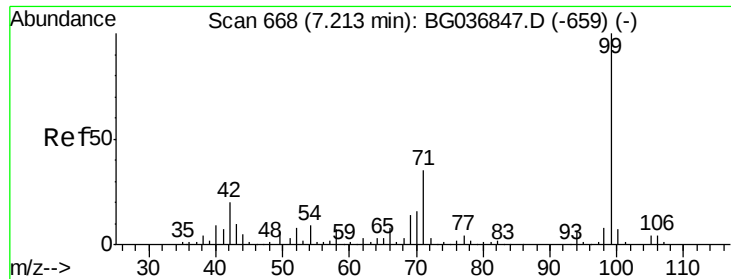
#5
 2-Fluorophenol
 Concen: 123.673 ng
 RT: 5.62 min Scan# 397
 Delta R.T. 0.00 min
 Lab File: BG036871.D
 Acq: 21 Sep 2018 23:17

Tgt Ion:112 Resp: 243433
 Ion Ratio Lower Upper
 112 100
 64 72.3 57.2 85.8
 63 37.3 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: 103.044 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG036871.D

Acq: 21 Sep 2018 23:17

Instrument :

BNA_G

ClientSampleId :

PL-04-092018-A

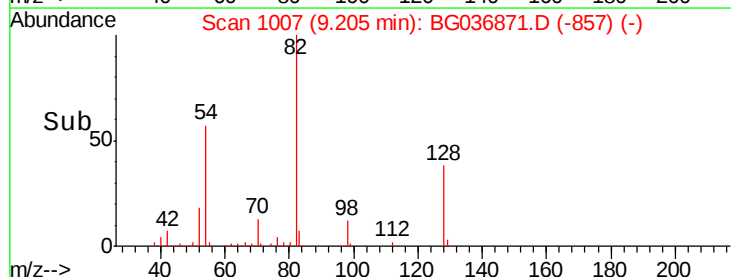
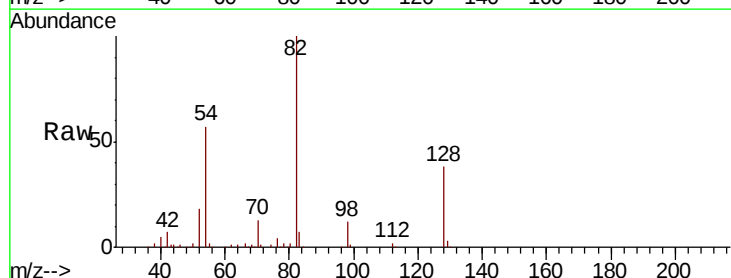
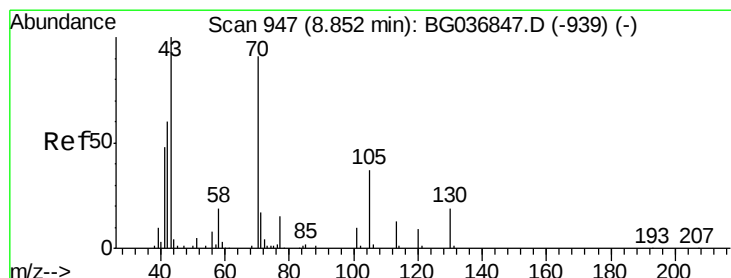
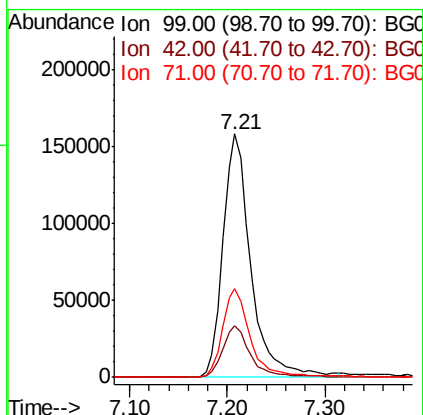
Tgt Ion: 99 Resp: 313811

Ion Ratio Lower Upper

99 100

42 21.3 16.5 24.7

71 36.6 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.752 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036871.D

Acq: 21 Sep 2018 23:17

Tgt Ion: 70 Resp: 32306

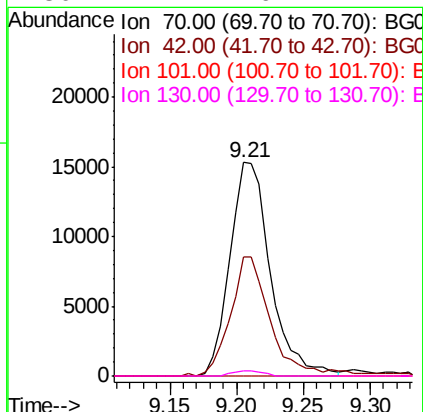
Ion Ratio Lower Upper

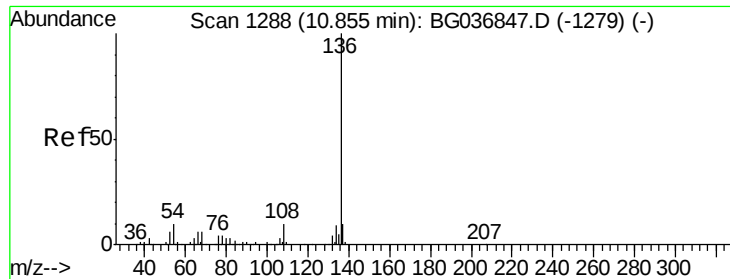
70 100

42 55.7 56.2 84.4#

101 0.0 7.8 11.6#

130 2.7 16.2 24.2#

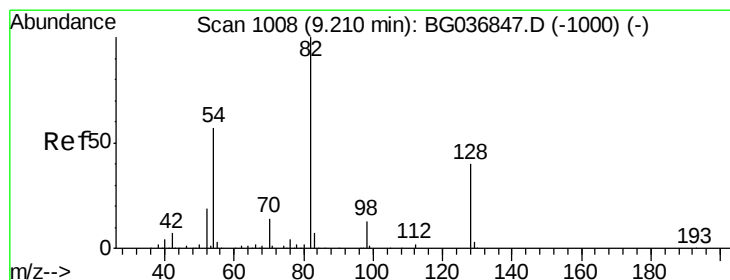
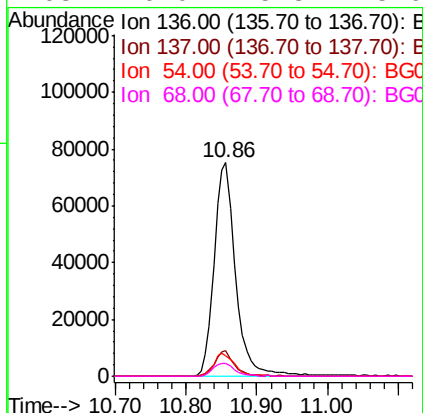
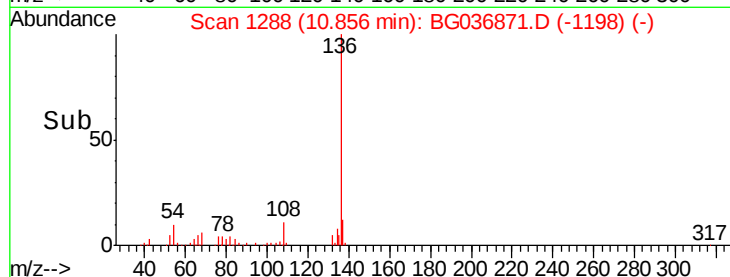
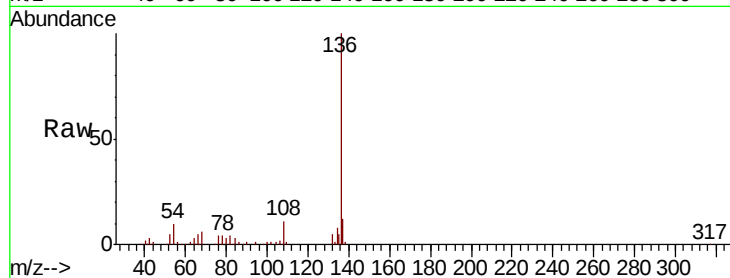




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BG036871.D
Acq: 21 Sep 2018 23:17

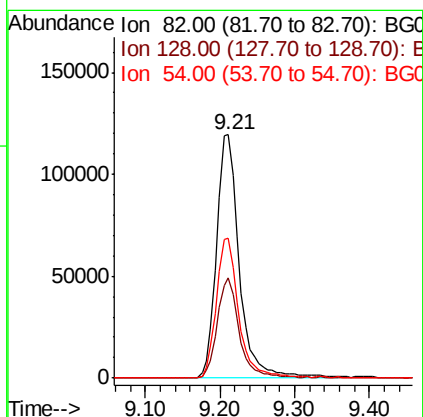
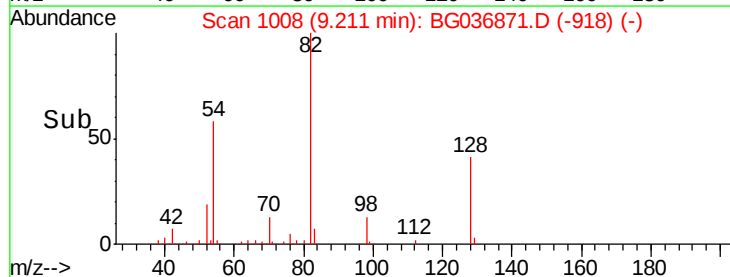
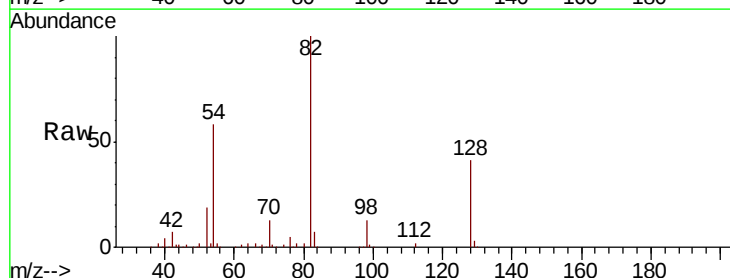
Instrument :
BNA_G
ClientSampleId :
PL-04-092018-A

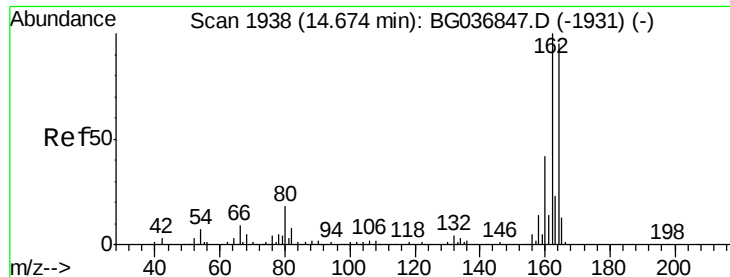
Tgt Ion:	136	Resp:	158823
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.8	13.2
54	9.7	9.2	13.8
68	6.0	5.8	8.6



#23
Nitrobenzene-d5
Concen: 85.513 ng
RT: 9.21 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BG036871.D
Acq: 21 Sep 2018 23:17

Tgt Ion:	82	Resp:	253616
Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.3	49.9
54	57.7	45.1	67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BG036871.D

Acq: 21 Sep 2018 23:17

Instrument :

BNA_G

ClientSampleId :

PL-04-092018-A

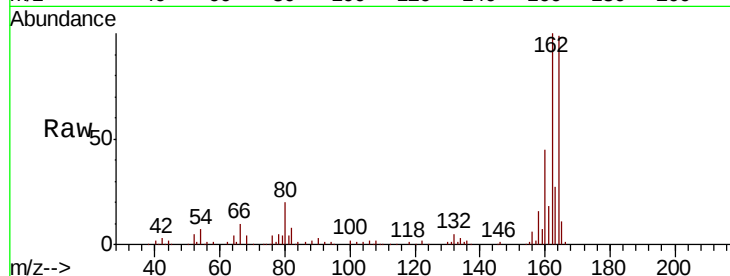
Tgt Ion:164 Resp: 106387

Ion Ratio Lower Upper

164 100

162 100.9 80.7 121.1

160 45.8 35.3 52.9

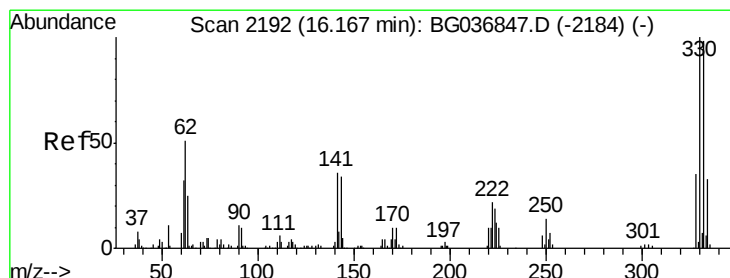
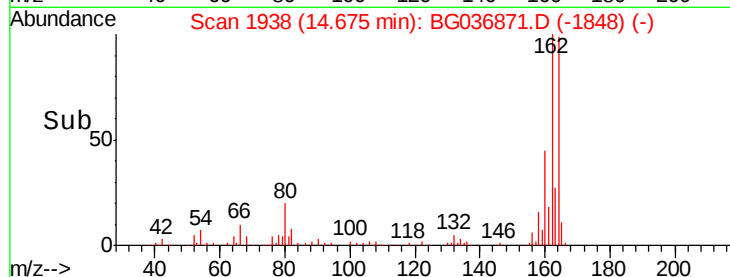
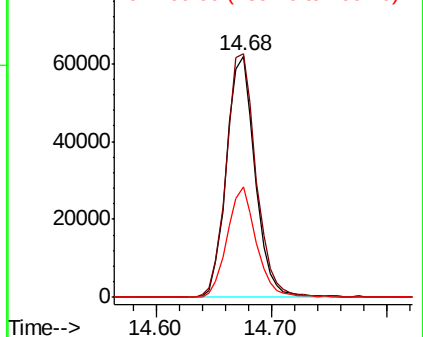


Abundance

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: 142.754 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BG036871.D

Acq: 21 Sep 2018 23:17

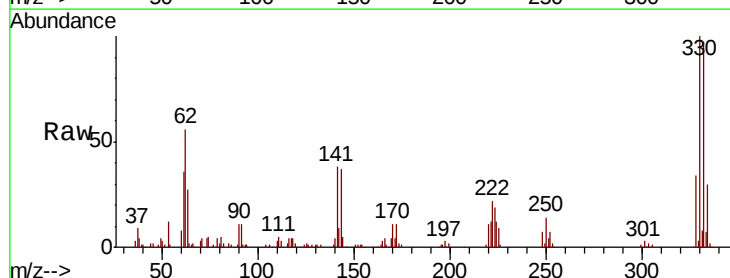
Tgt Ion:330 Resp: 181705

Ion Ratio Lower Upper

330 100

332 96.5 75.4 113.2

141 37.9 30.7 46.1

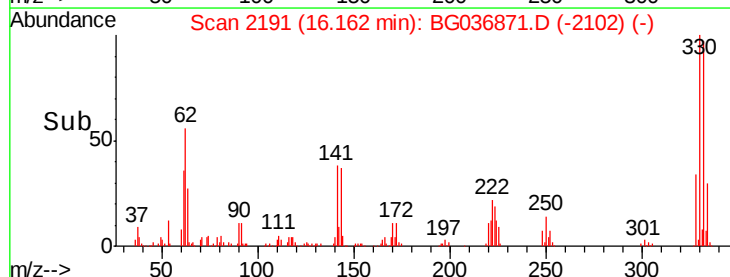
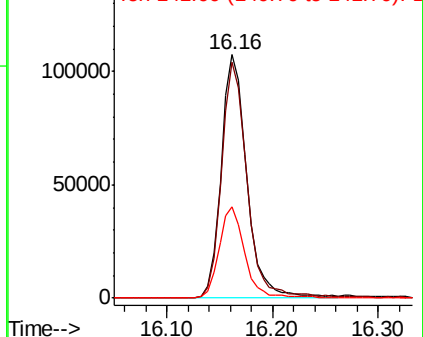


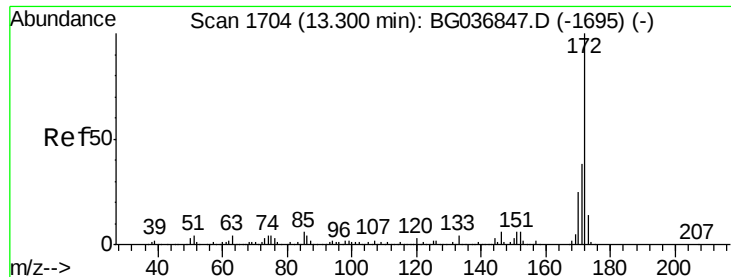
Abundance

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

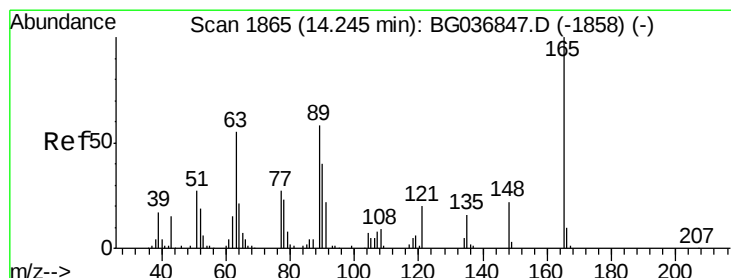
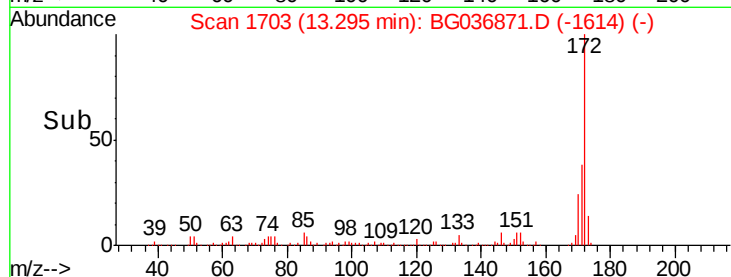
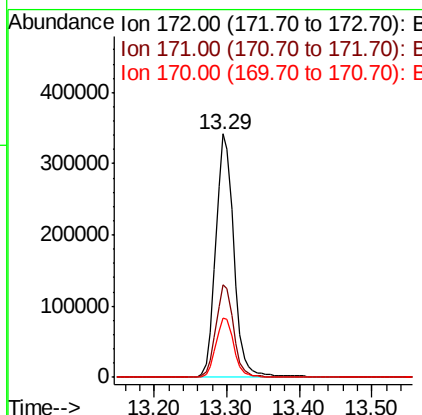
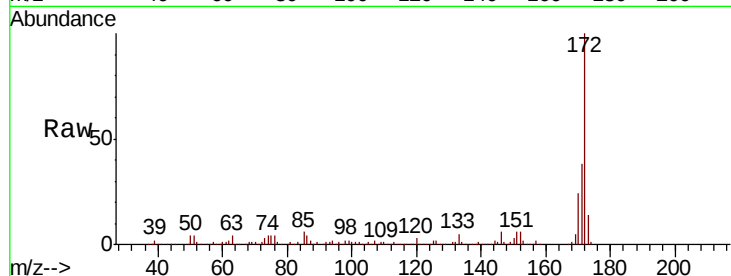




#44
 2-Fluorobiphenyl
 Concen: 83.217 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BG036871.D
 Acq: 21 Sep 2018 23:17

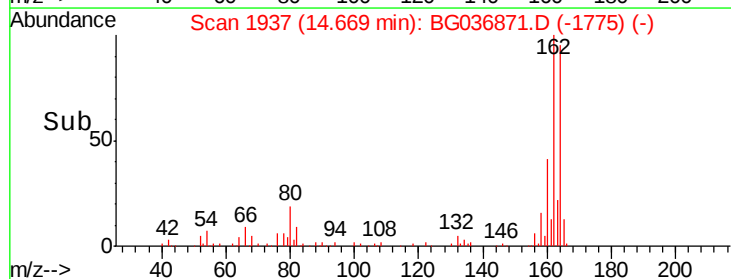
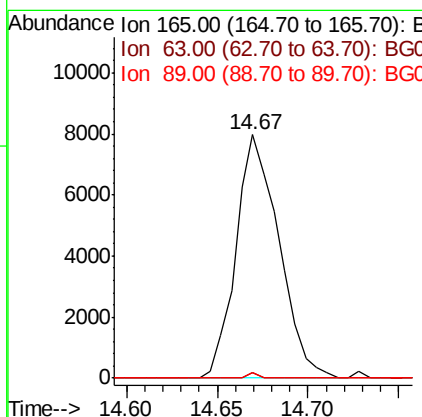
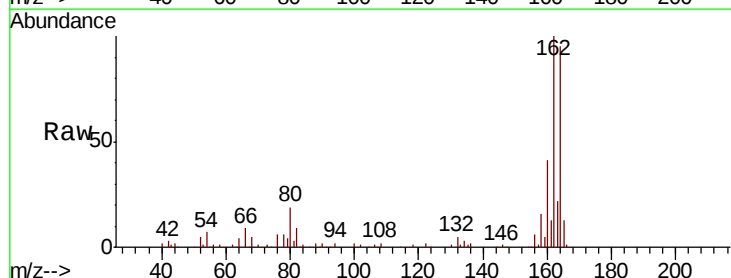
Instrument :
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 PL-04-092018-A

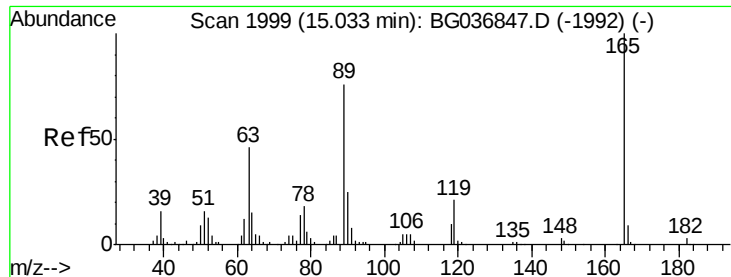
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.3	46.9
170	24.2	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.059 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG036871.D
 Acq: 21 Sep 2018 23:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	50.1	75.1#
89	2.0	47.8	71.6#

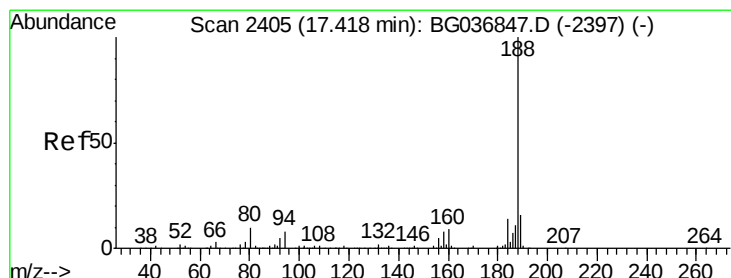
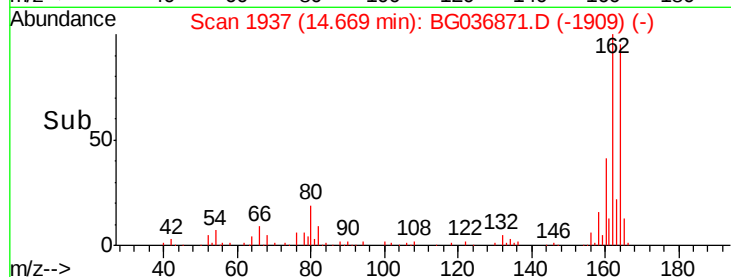
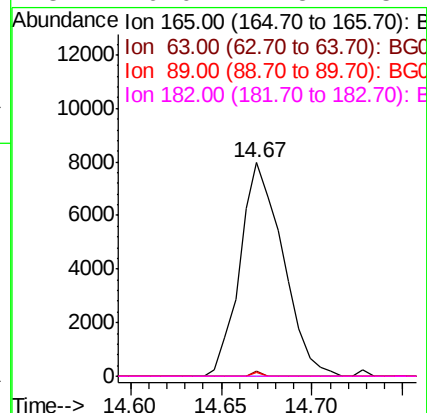
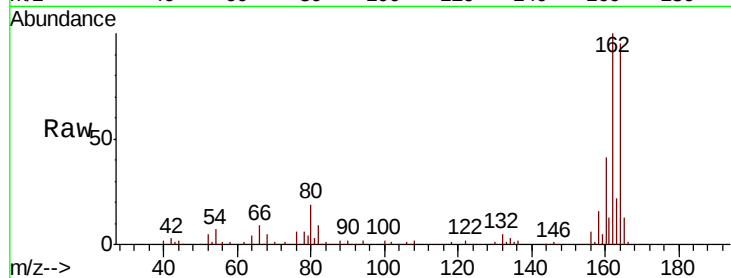




#56
 2,4-Dinitrotoluene
 Concen: 5.059 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036871.D
 Acq: 21 Sep 2018 23:17

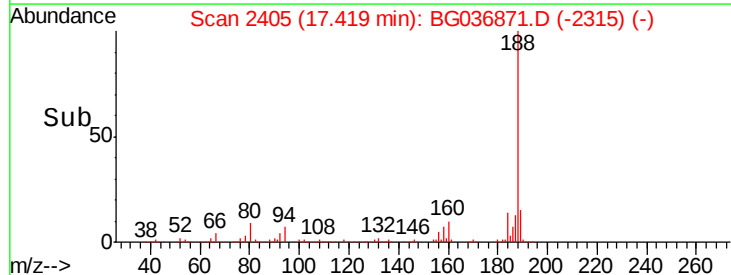
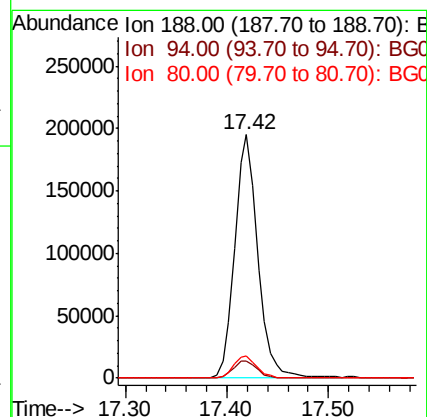
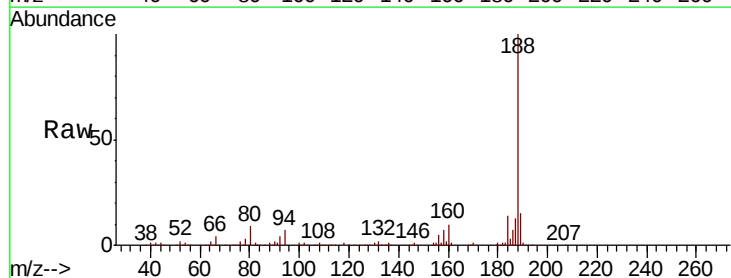
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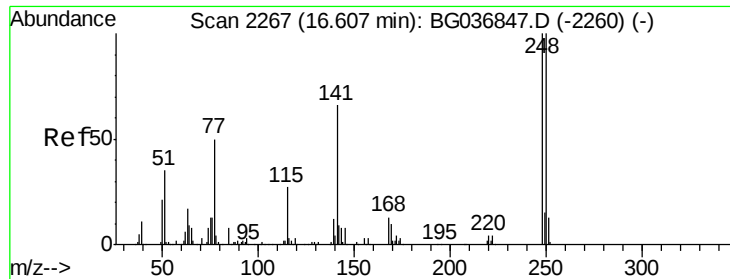
Tgt Ion:	165	Resp:	13189
Ion	Ratio	Lower	Upper
165	100		
63	2.4	40.1	60.1#
89	2.0	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. 0.00 min
 Lab File: BG036871.D
 Acq: 21 Sep 2018 23:17

Tgt Ion:	188	Resp:	307524
Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.7	10.1
80	9.1	8.1	12.1

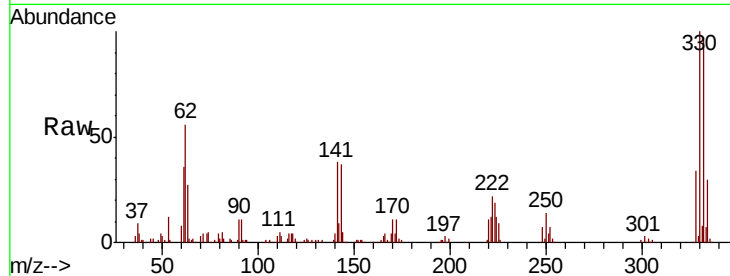




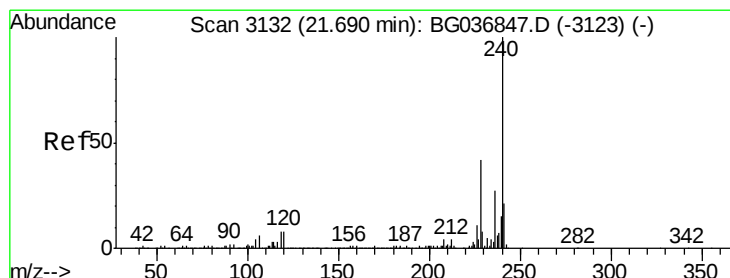
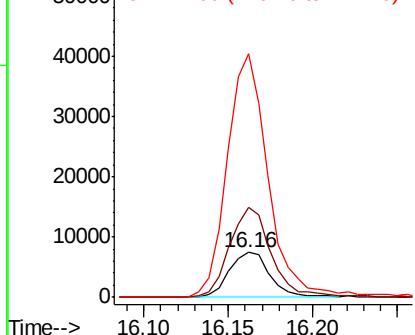
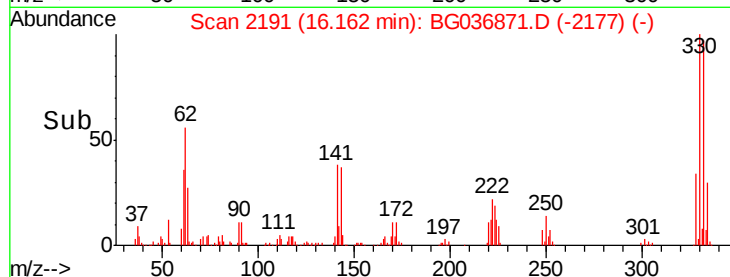
#66
 4-Bromophenyl-phenylether
 Concen: 3.613 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.45 min
 Lab File: BG036871.D
 Acq: 21 Sep 2018 23:17

Instrument :
 BNA_G
 ClientSampleId :
 PL-04-092018-A

Tgt Ion:248 Resp: 12639
 Ion Ratio Lower Upper
 248 100
 250 200.8 78.1 117.1#
 141 542.2 53.7 80.5#

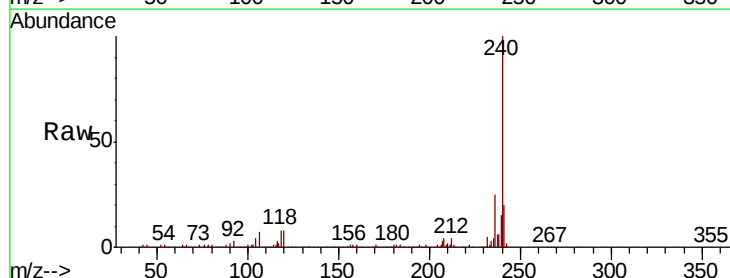


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

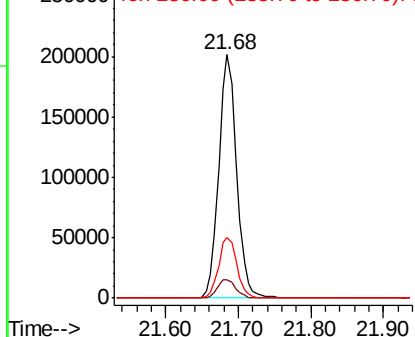
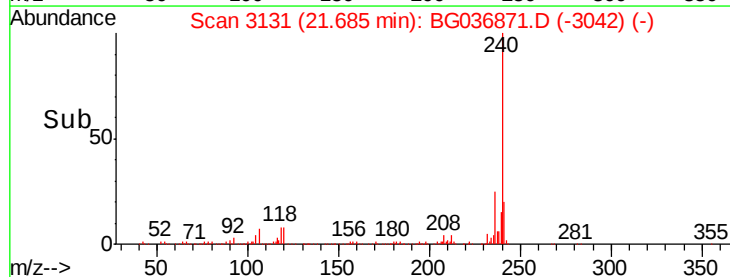


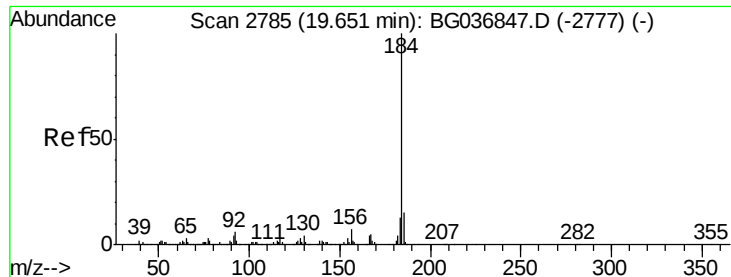
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.00 min
 Lab File: BG036871.D
 Acq: 21 Sep 2018 23:17

Tgt Ion:240 Resp: 345307
 Ion Ratio Lower Upper
 240 100
 120 7.6 6.9 10.3
 236 25.1 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

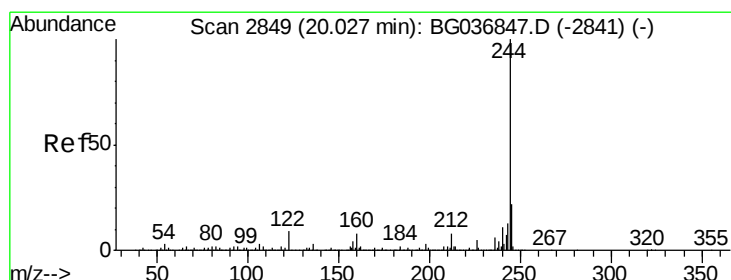
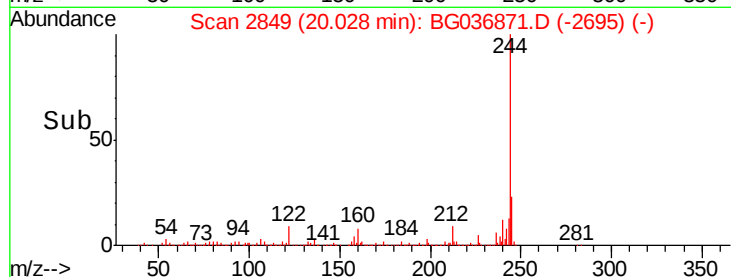
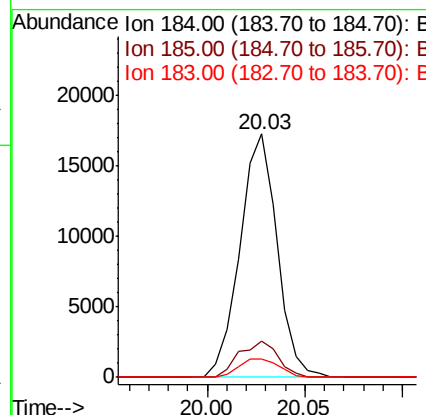
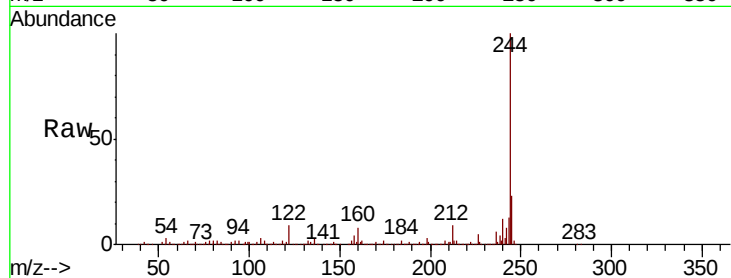




#76
Benzidine
Concen: 2.175 ng
RT: 20.03 min Scan# 2849
Delta R.T. 0.38 min
Lab File: BG036871.D
Acq: 21 Sep 2018 23:17

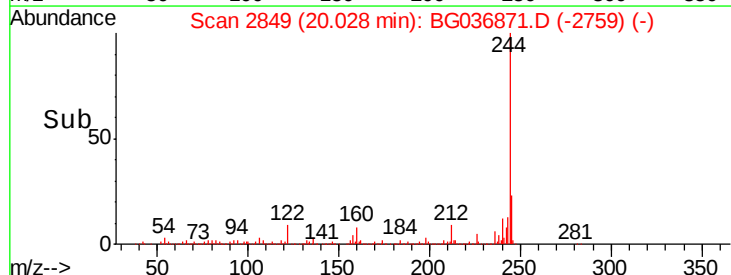
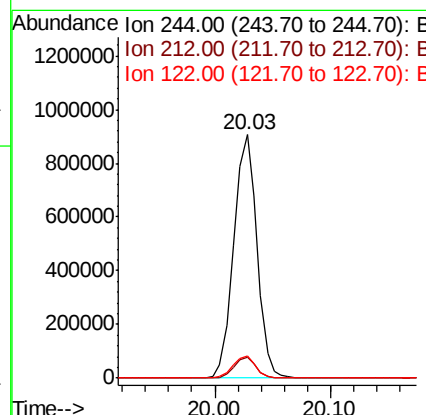
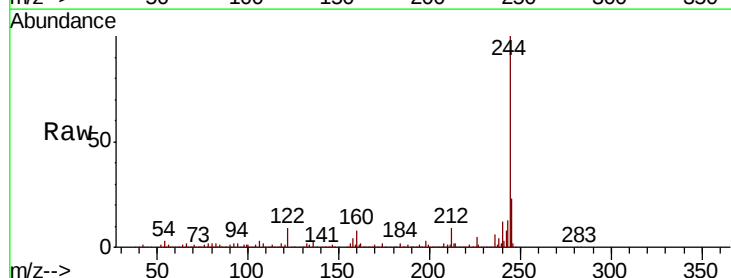
Instrument :
BNA_G
ClientSampleId :
PL-04-092018-A

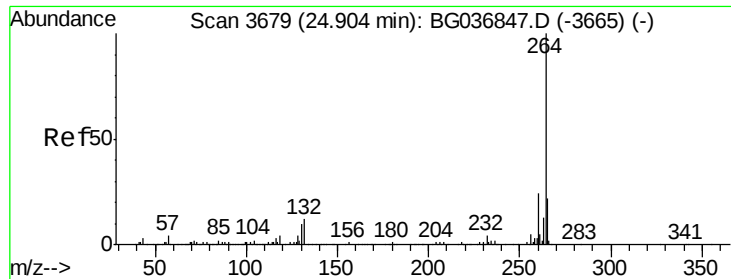
Tgt Ion:184 Resp: 22700
Ion Ratio Lower Upper
184 100
185 14.7 12.6 18.8
183 7.5 10.9 16.3#



#78
Terphenyl-d14
Concen: 96.032 ng
RT: 20.03 min Scan# 2849
Delta R.T. 0.00 min
Lab File: BG036871.D
Acq: 21 Sep 2018 23:17

Tgt Ion:244 Resp: 1261101
Ion Ratio Lower Upper
244 100
212 8.7 7.0 10.6
122 9.2 7.1 10.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3678
Delta R.T. -0.00 min
Lab File: BG036871.D
Acq: 21 Sep 2018 23:17

Instrument :
BNA_G
ClientSampleId :
PL-04-092018-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.6	29.4
265	21.9	17.4	26.0

