

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092118\
 Data File : BG036874.D
 Acq On : 22 Sep 2018 1:14
 Operator : JU/SJ
 Sample : J4778-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Sep 22 04:30:45 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

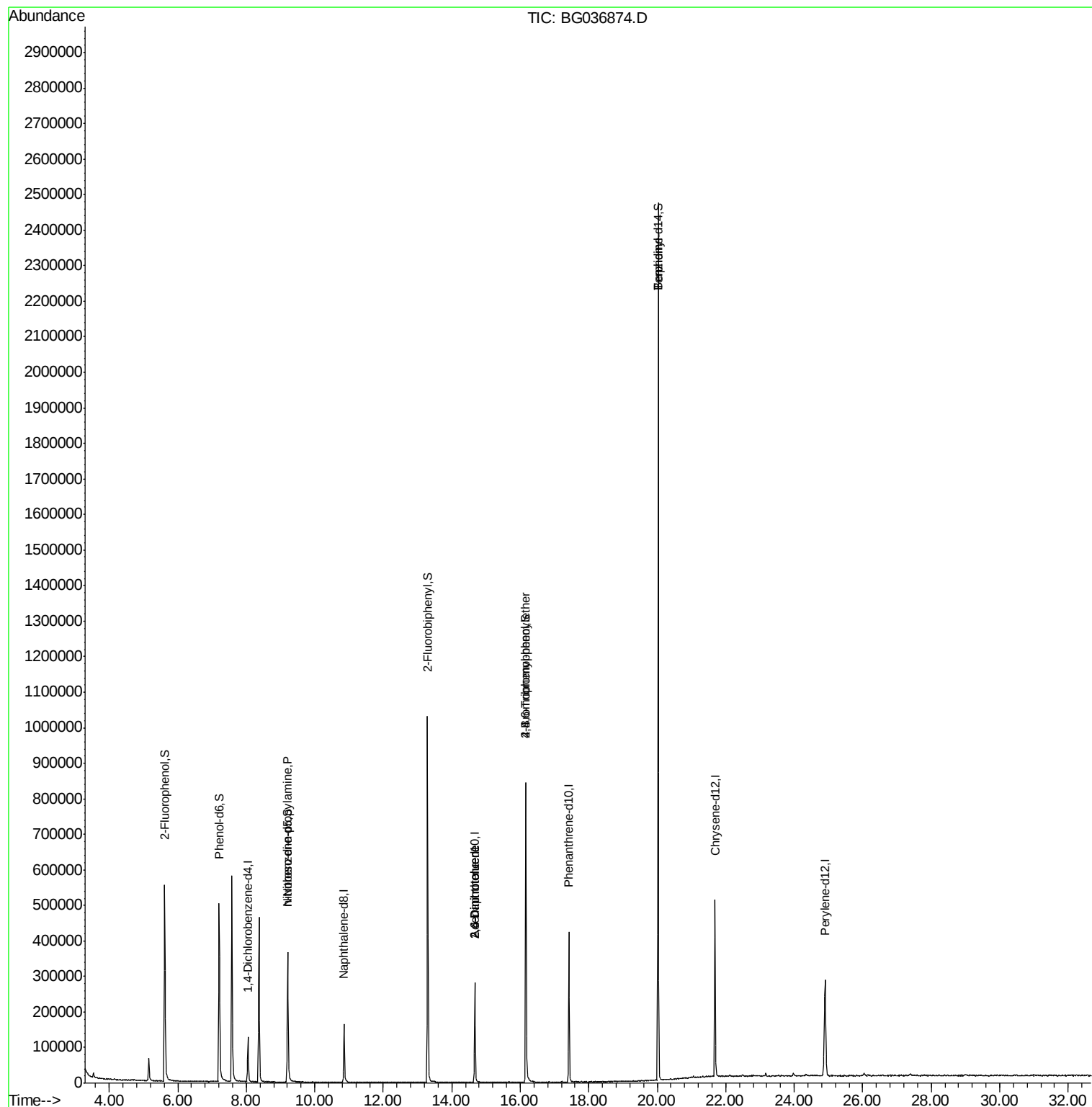
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	40319	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	159801	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	105512	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	284101	20.00	ng	0.00
75) Chrysene-d12	21.68	240	316811	20.00	ng	0.00
86) Perylene-d12	24.90	264	312979	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	265988	126.52	ng	0.00
7) Phenol-d6	7.21	99	330856	101.72	ng	0.00
23) Nitrobenzene-d5	9.21	82	261044	87.48	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	171330	135.72	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	587198	82.89	ng	0.00
78) Terphenyl-d14	20.03	244	1177366	97.72	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	34126	12.612	ng	# 75
50) 2,6-Dinitrotoluene	14.67	165	13771	7.432	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	13771	5.326	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	11910	3.686	ng	# 1
76) Benzidine	20.03	184	20279	2.117	ng	# 96

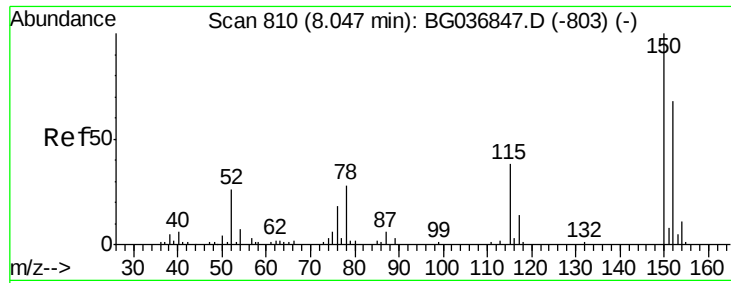
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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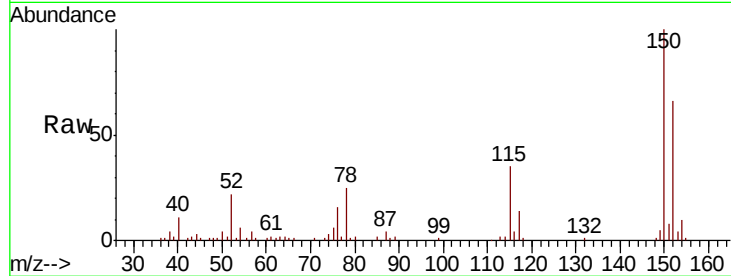


#1

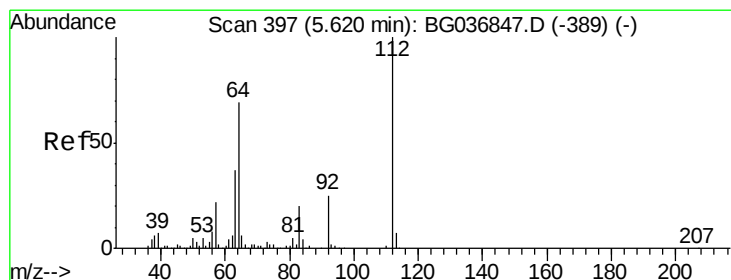
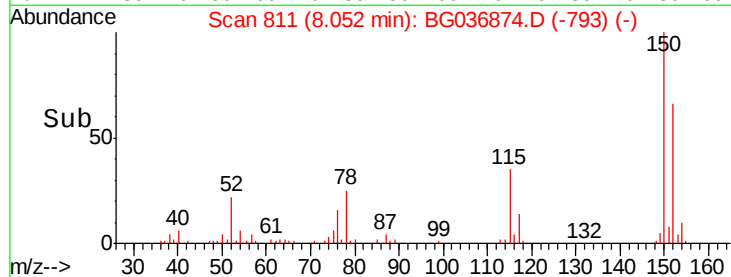
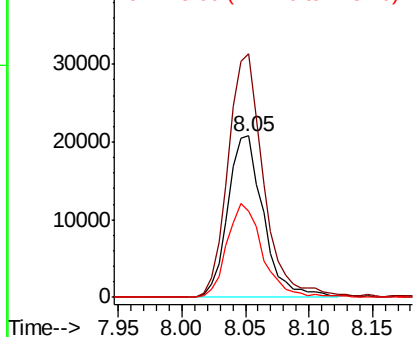
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. 0.01 min
Lab File: BG036874.D
Acq: 22 Sep 2018 1:14

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

Tgt Ion:152 Resp: 40319
Ion Ratio Lower Upper
152 100
150 151.0 119.5 179.3
115 53.5 44.5 66.7



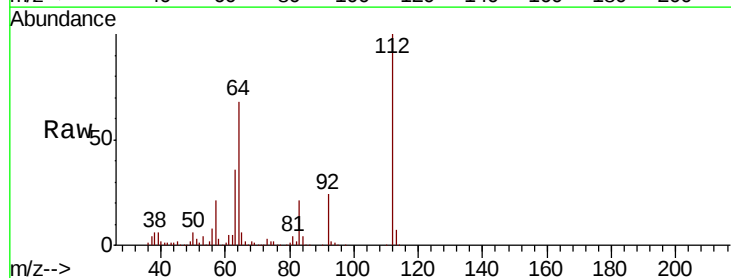
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



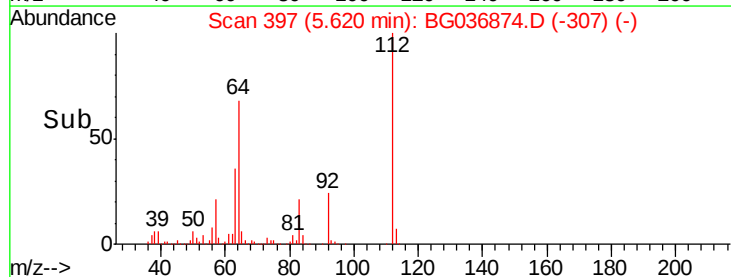
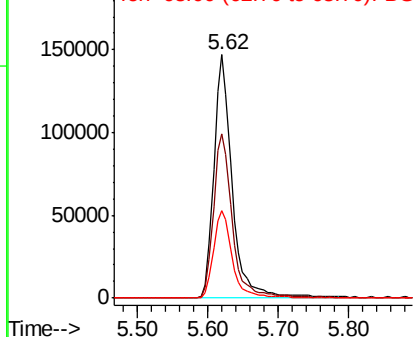
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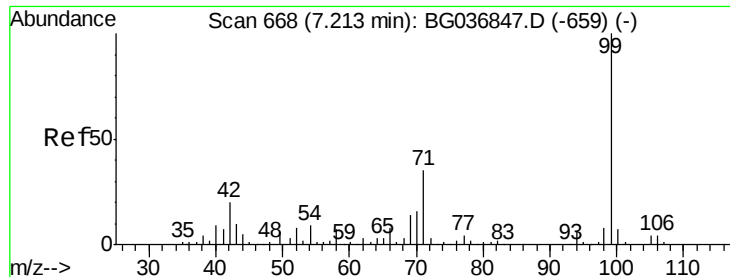
2-Fluorophenol
Concen: 126.518 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG036874.D
Acq: 22 Sep 2018 1:14

Tgt Ion:112 Resp: 265988
Ion Ratio Lower Upper
112 100
64 67.5 57.2 85.8
63 36.1 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: 101.716 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036874.D

Acq: 22 Sep 2018 1:14

Instrument :

BNA_G

ClientSampleId :

PL-04-092018-D

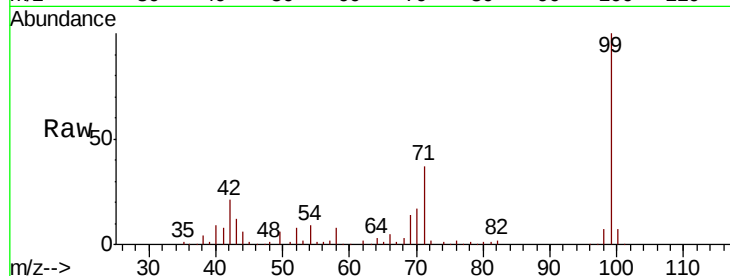
Tgt Ion: 99 Resp: 330856

Ion Ratio Lower Upper

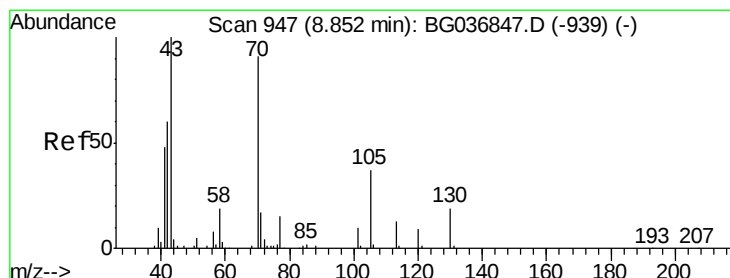
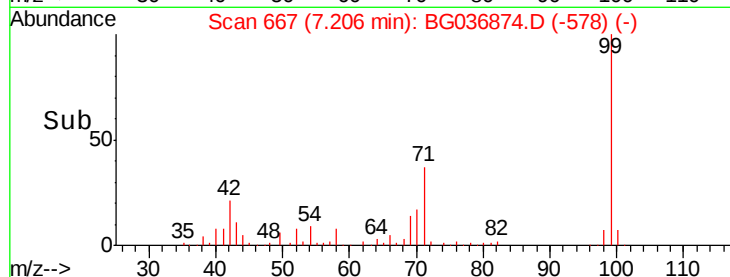
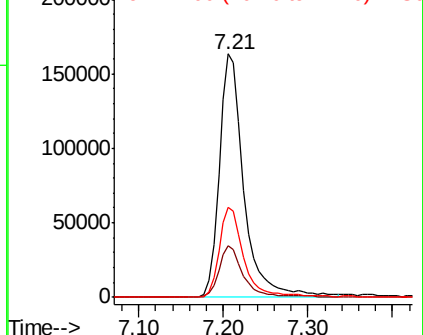
99 100

42 20.9 16.5 24.7

71 36.9 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: 12.612 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BG036874.D

Acq: 22 Sep 2018 1:14

Tgt Ion: 70 Resp: 34126

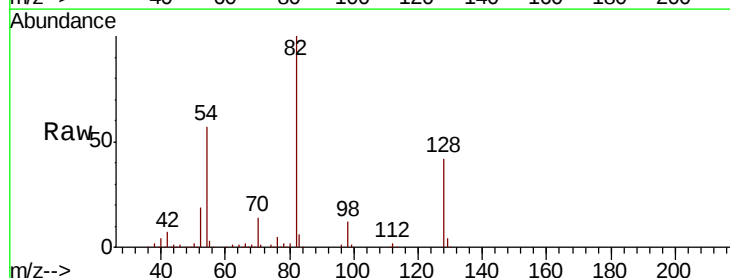
Ion Ratio Lower Upper

70 100

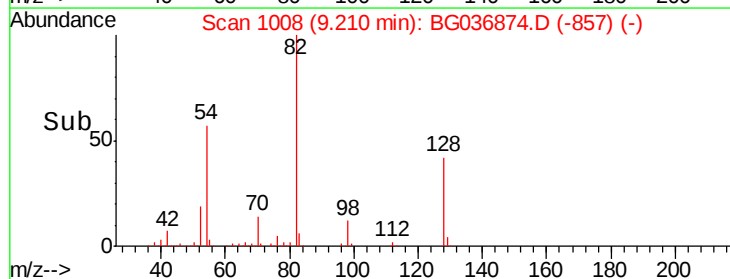
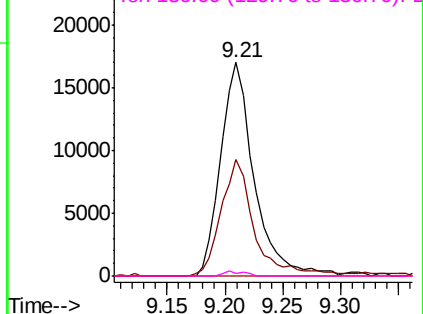
42 54.3 56.2 84.4#

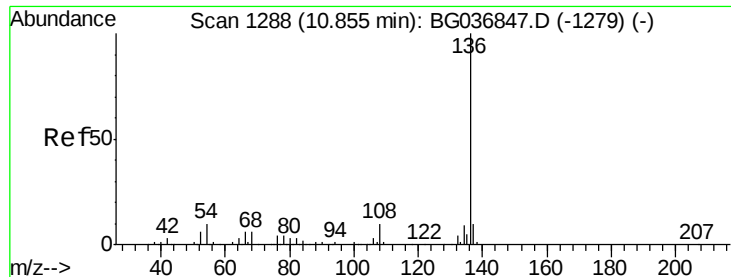
101 0.0 7.8 11.6#

130 1.0 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

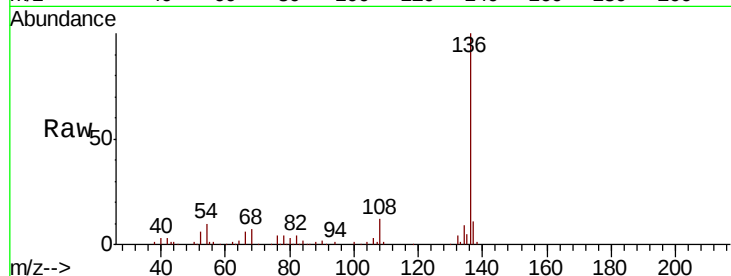




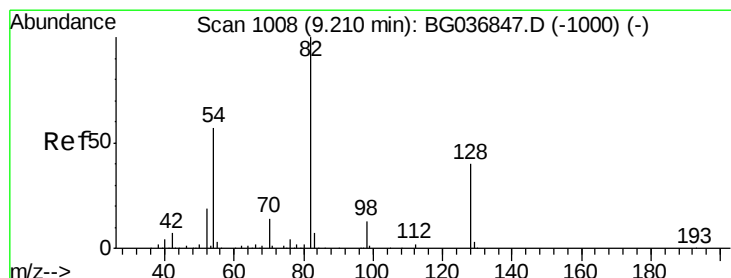
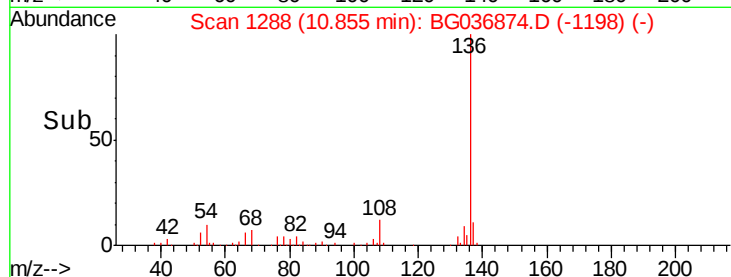
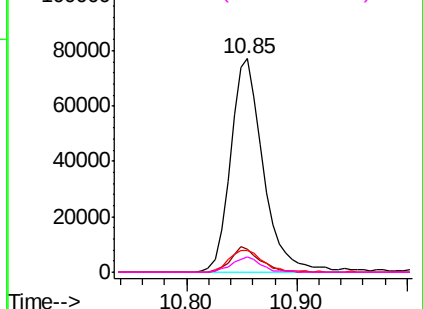
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BG036874.D
Acq: 22 Sep 2018 1:14

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

Tgt Ion:	136	Resp:	159801
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	10.2	9.2	13.8
68	6.9	5.8	8.6

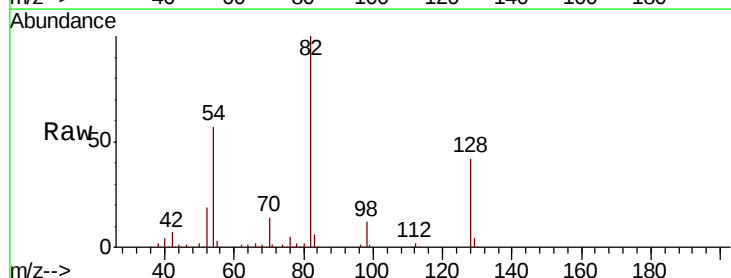


Abundance Ion 136.00 (135.70 to 136.70): E
120000
Ion 137.00 (136.70 to 137.70): E
100000
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

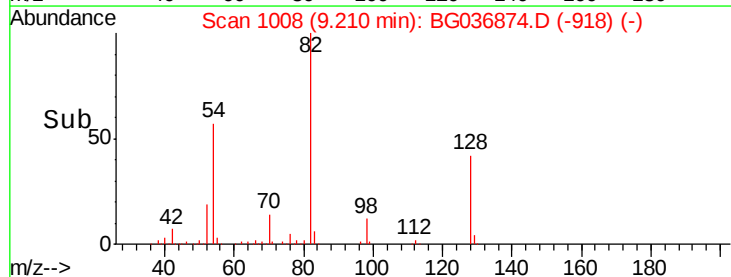
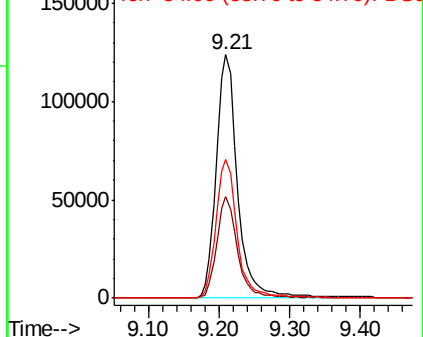


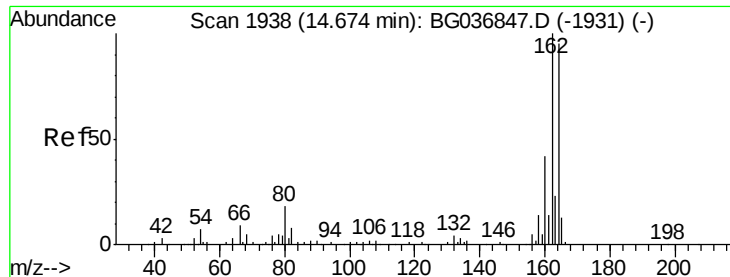
#23
Nitrobenzene-d5
Concen: 87.479 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BG036874.D
Acq: 22 Sep 2018 1:14

Tgt Ion:	82	Resp:	261044
Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.3	49.9
54	56.7	45.1	67.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
150000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.00 min

Lab File: BG036874.D

Acq: 22 Sep 2018 1:14

Instrument :

BNA_G

ClientSampleId :

PL-04-092018-D

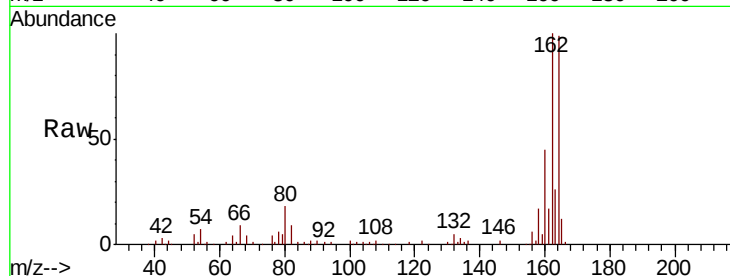
Tgt Ion:164 Resp: 105512

Ion Ratio Lower Upper

164 100

162 101.2 80.7 121.1

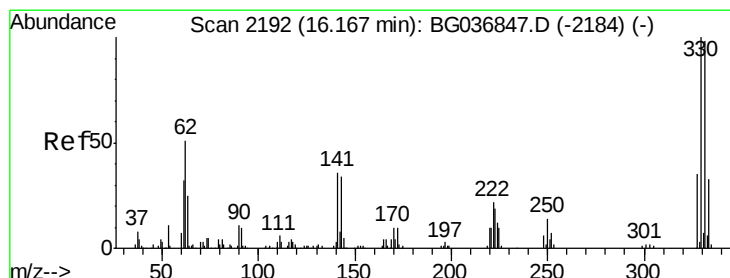
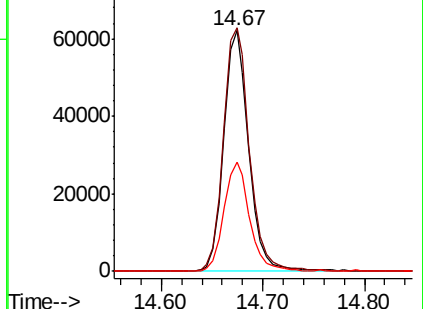
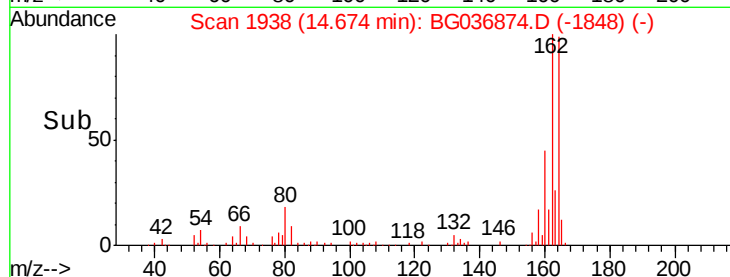
160 45.5 35.3 52.9



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: 135.719 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036874.D

Acq: 22 Sep 2018 1:14

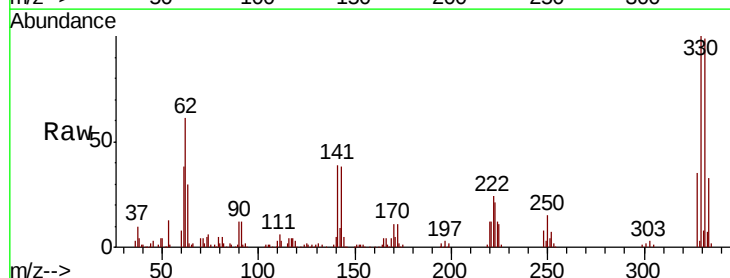
Tgt Ion:330 Resp: 171330

Ion Ratio Lower Upper

330 100

332 96.3 75.4 113.2

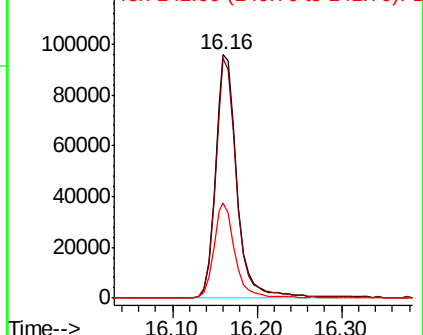
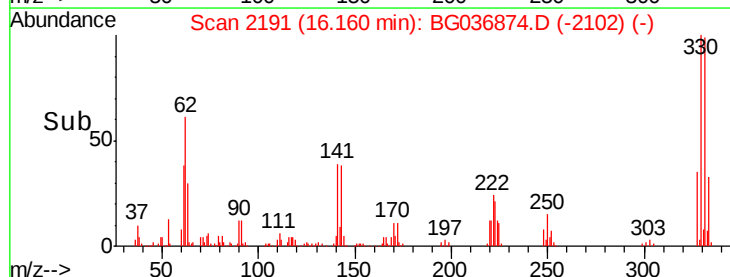
141 38.3 30.7 46.1

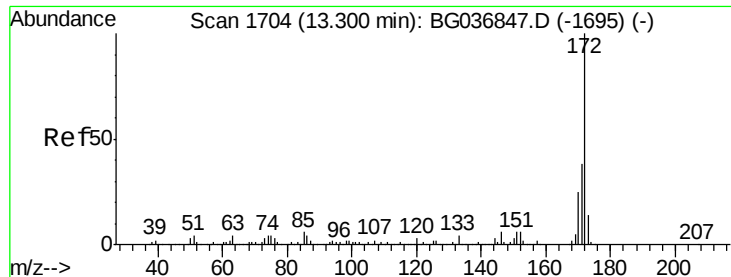


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

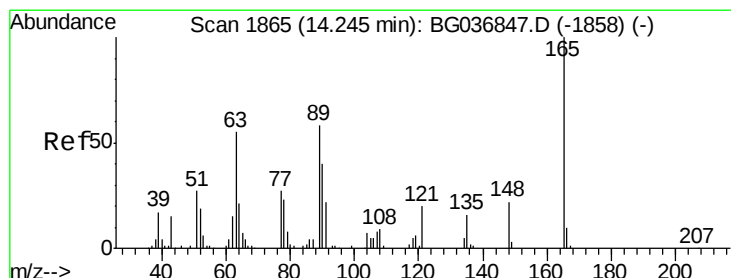
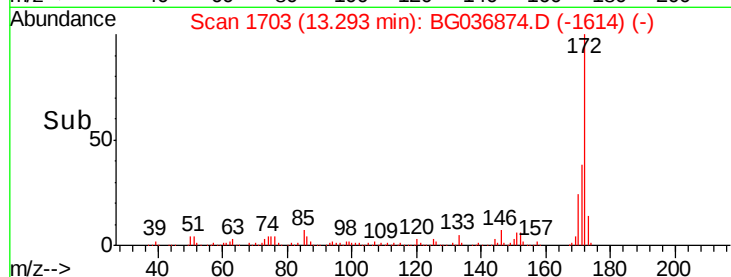
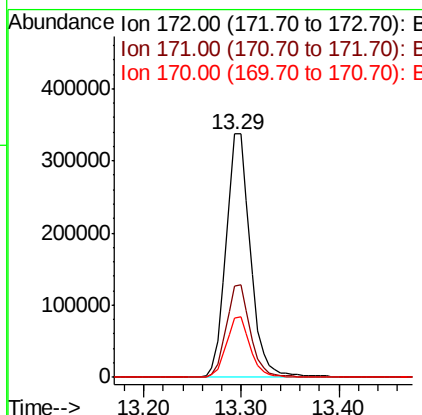
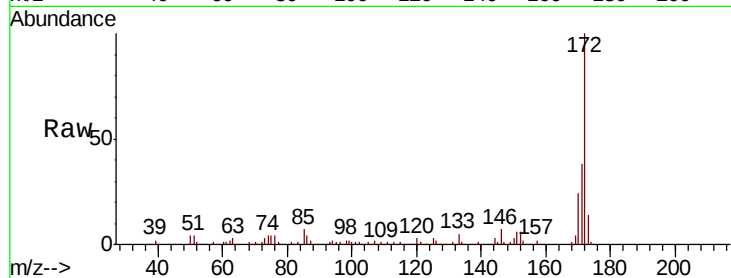




#44
 2-Fluorobiphenyl
 Concen: 82.888 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036874.D
 Acq: 22 Sep 2018 1:14

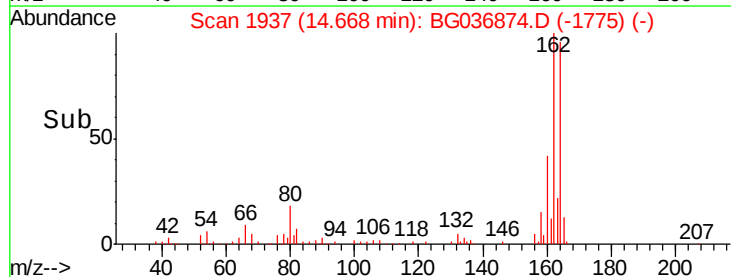
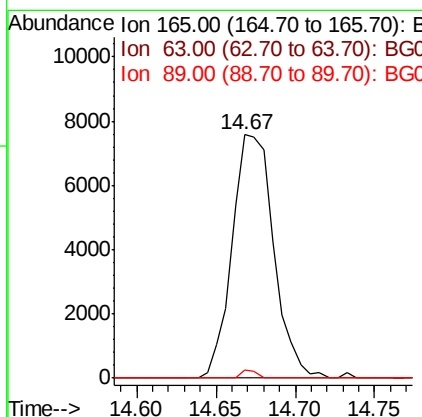
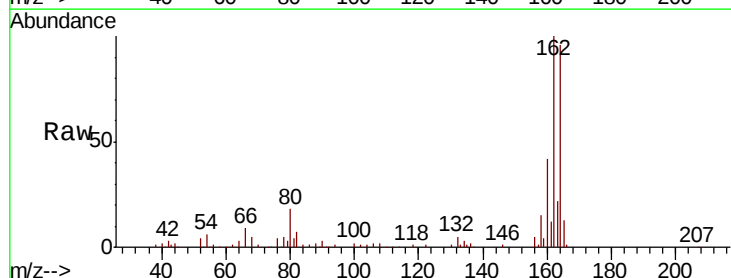
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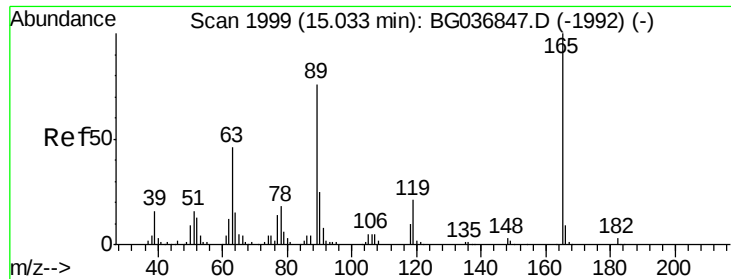
Tgt Ion:172 Resp: 587198
 Ion Ratio Lower Upper
 172 100
 171 37.7 31.3 46.9
 170 24.2 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.432 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG036874.D
 Acq: 22 Sep 2018 1:14

Tgt Ion:165 Resp: 13771
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 3.2 47.8 71.6#

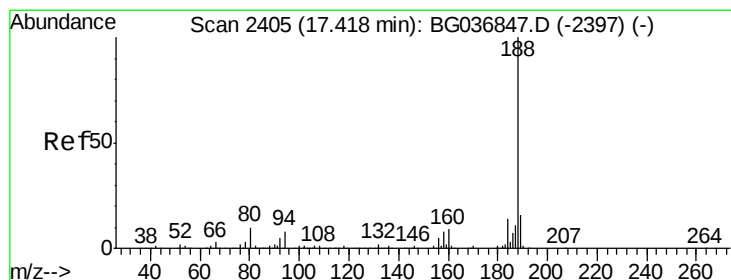
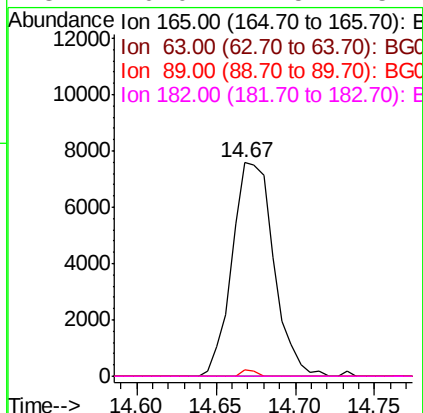
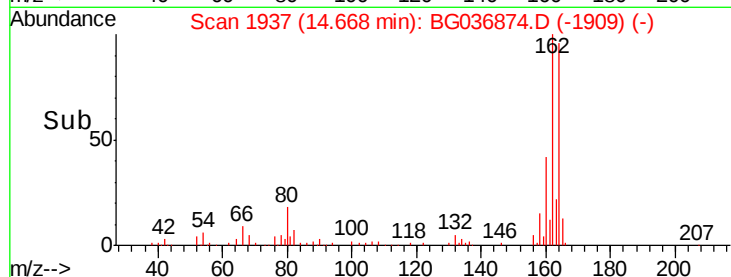
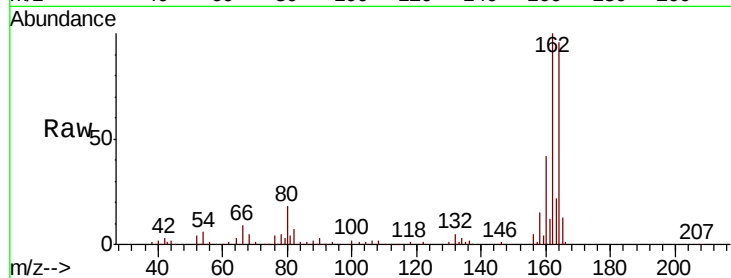




#56
 2,4-Dinitrotoluene
 Concen: 5.326 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036874.D
 Acq: 22 Sep 2018 1:14

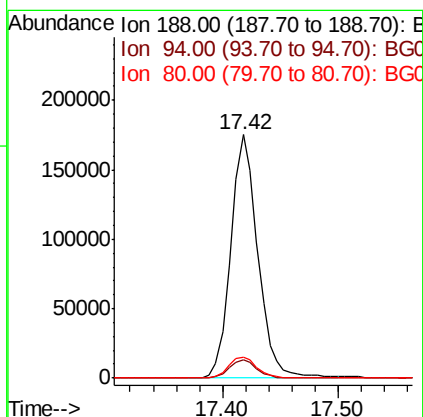
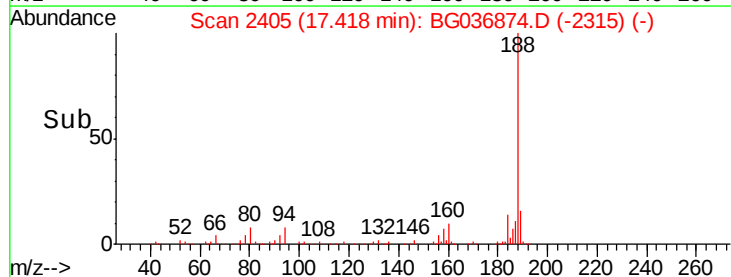
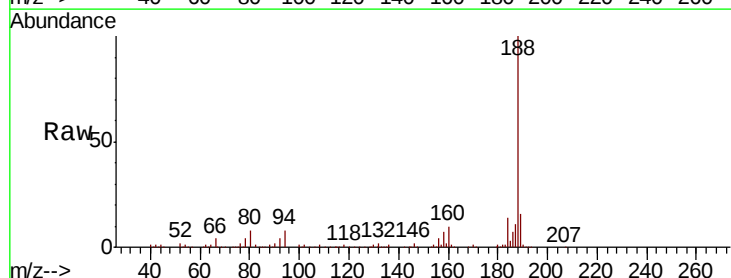
Instrument :
 BNA_G
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 PL-04-092018-D

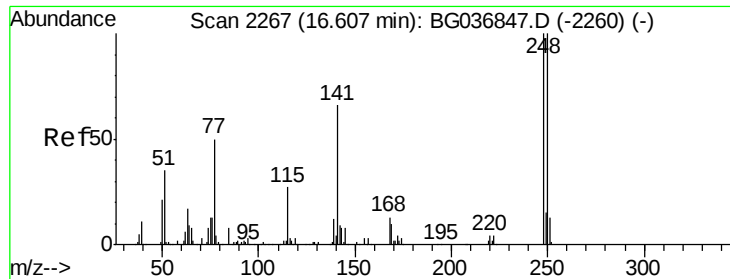
Tgt Ion:	165	Resp:	13771
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	3.2	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.00 min
 Lab File: BG036874.D
 Acq: 22 Sep 2018 1:14

Tgt Ion:	188	Resp:	284101
Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.7	10.1
80	8.4	8.1	12.1

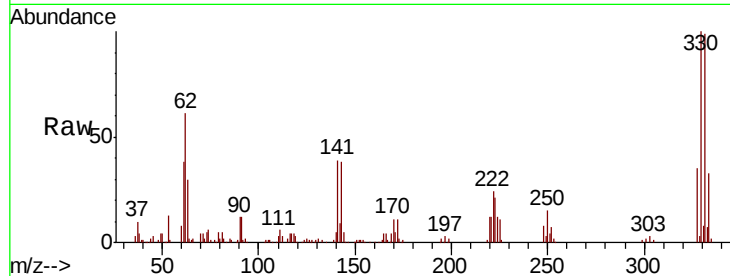




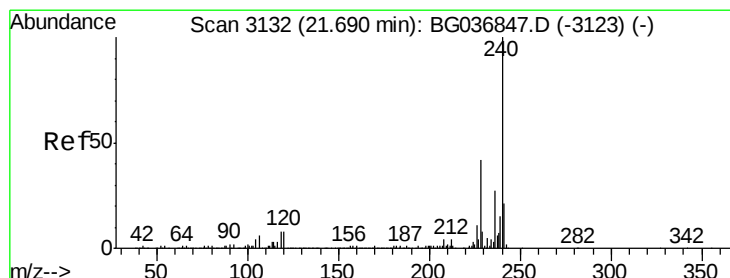
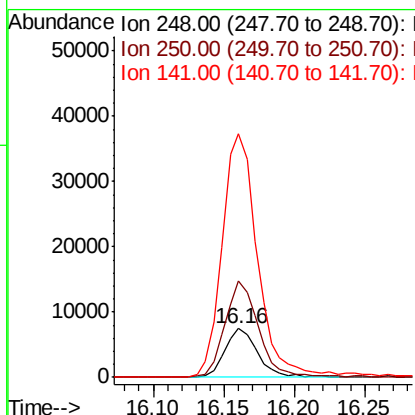
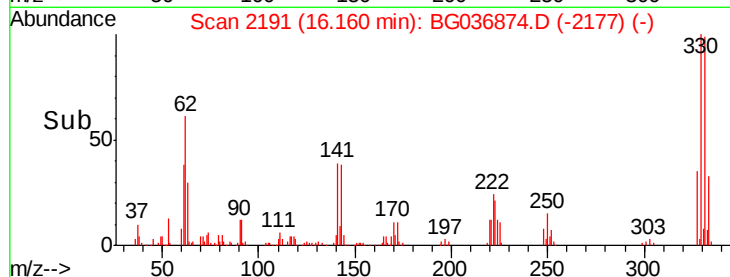
#66
 4-Bromophenyl-phenylether
 Concen: 3.686 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.45 min
 Lab File: BG036874.D
 Acq: 22 Sep 2018 1:14

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

Tgt Ion:248 Resp: 11910
 Ion Ratio Lower Upper
 248 100
 250 199.7 78.1 117.1#
 141 502.7 53.7 80.5#

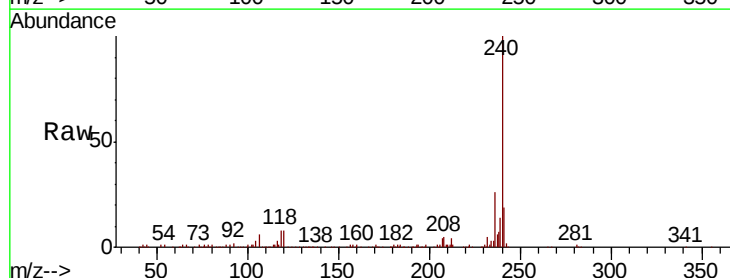


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

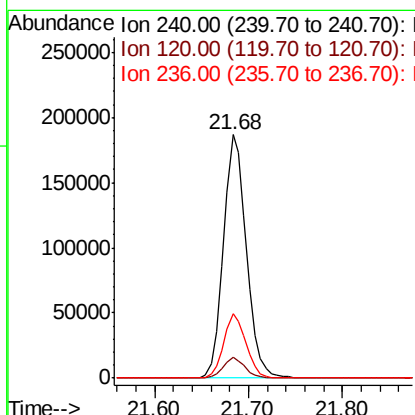
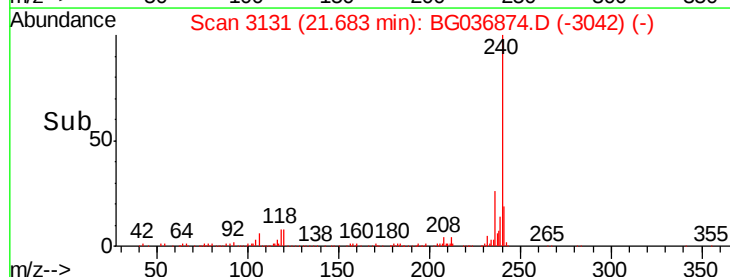


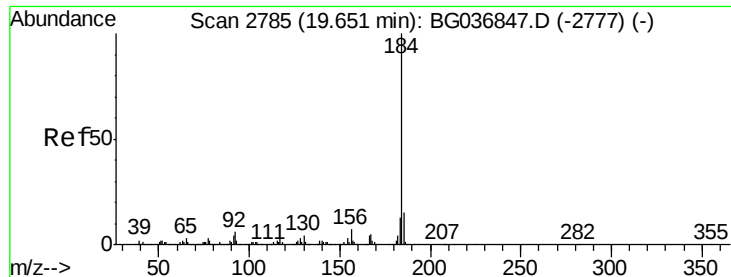
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BG036874.D
 Acq: 22 Sep 2018 1:14

Tgt Ion:240 Resp: 316811
 Ion Ratio Lower Upper
 240 100
 120 8.5 6.9 10.3
 236 26.3 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

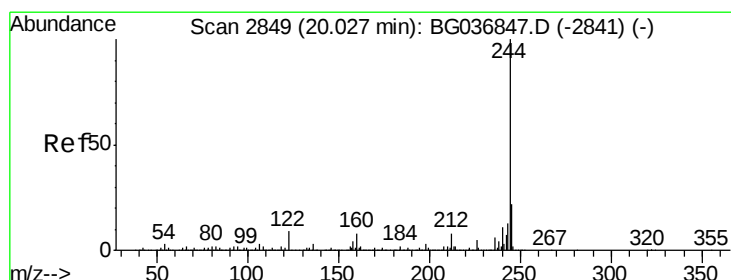
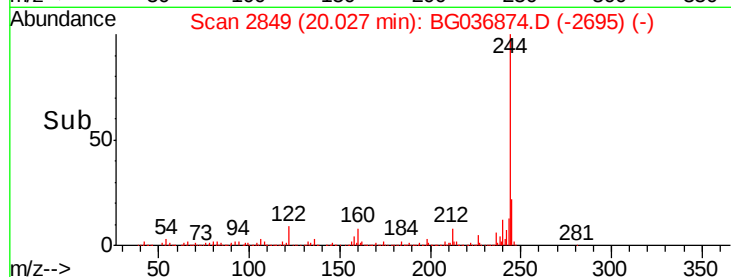
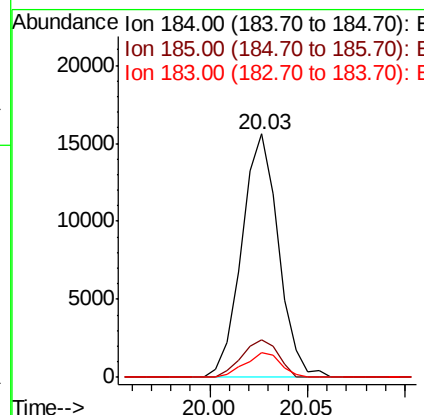
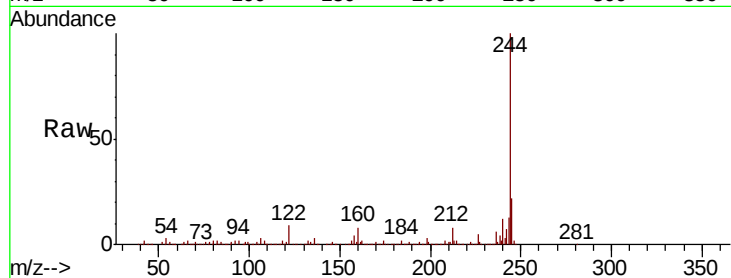




#76
Benzidine
Concen: 2.117 ng
RT: 20.03 min Scan# 2849
Delta R.T. 0.38 min
Lab File: BG036874.D
Acq: 22 Sep 2018 1:14

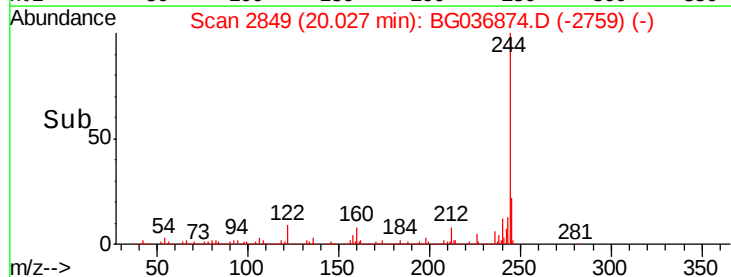
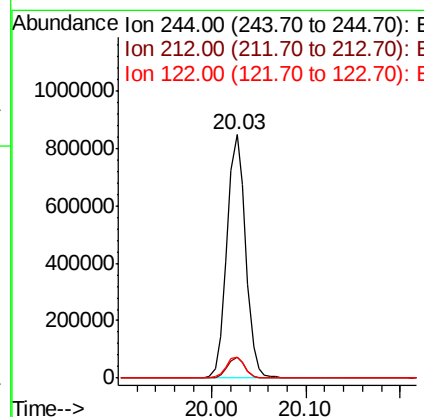
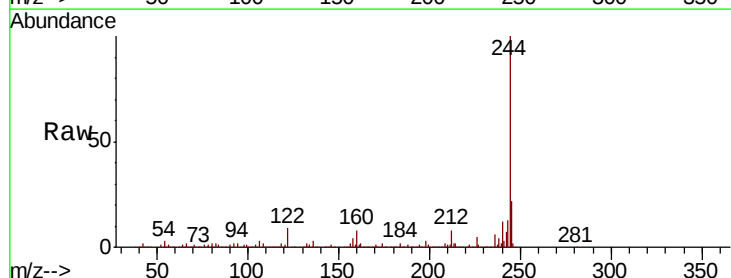
Instrument :
BNA_G
ClientSampleId :
PL-04-092018-D

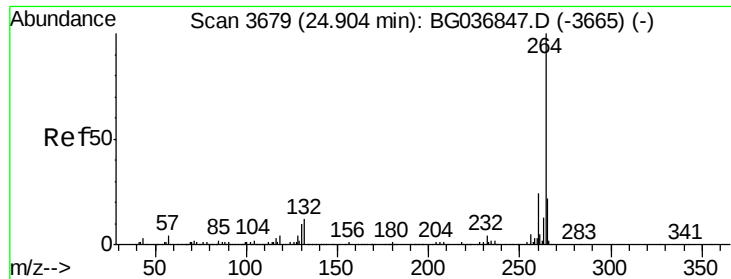
Tgt Ion:184 Resp: 20279
Ion Ratio Lower Upper
184 100
185 15.4 12.6 18.8
183 10.3 10.9 16.3#



#78
Terphenyl-d14
Concen: 97.720 ng
RT: 20.03 min Scan# 2849
Delta R.T. -0.00 min
Lab File: BG036874.D
Acq: 22 Sep 2018 1:14

Tgt Ion:244 Resp: 1177366
Ion Ratio Lower Upper
244 100
212 8.5 7.0 10.6
122 8.8 7.1 10.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3678
Delta R.T. -0.01 min
Lab File: BG036874.D
Acq: 22 Sep 2018 1:14

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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.6	29.4
265	21.3	17.4	26.0

