

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021318\
 Data File : BG032672.D
 Acq On : 13 Feb 2018 22:21
 Operator : SJ/JU
 Sample : PB106453TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 14 03:09:38 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

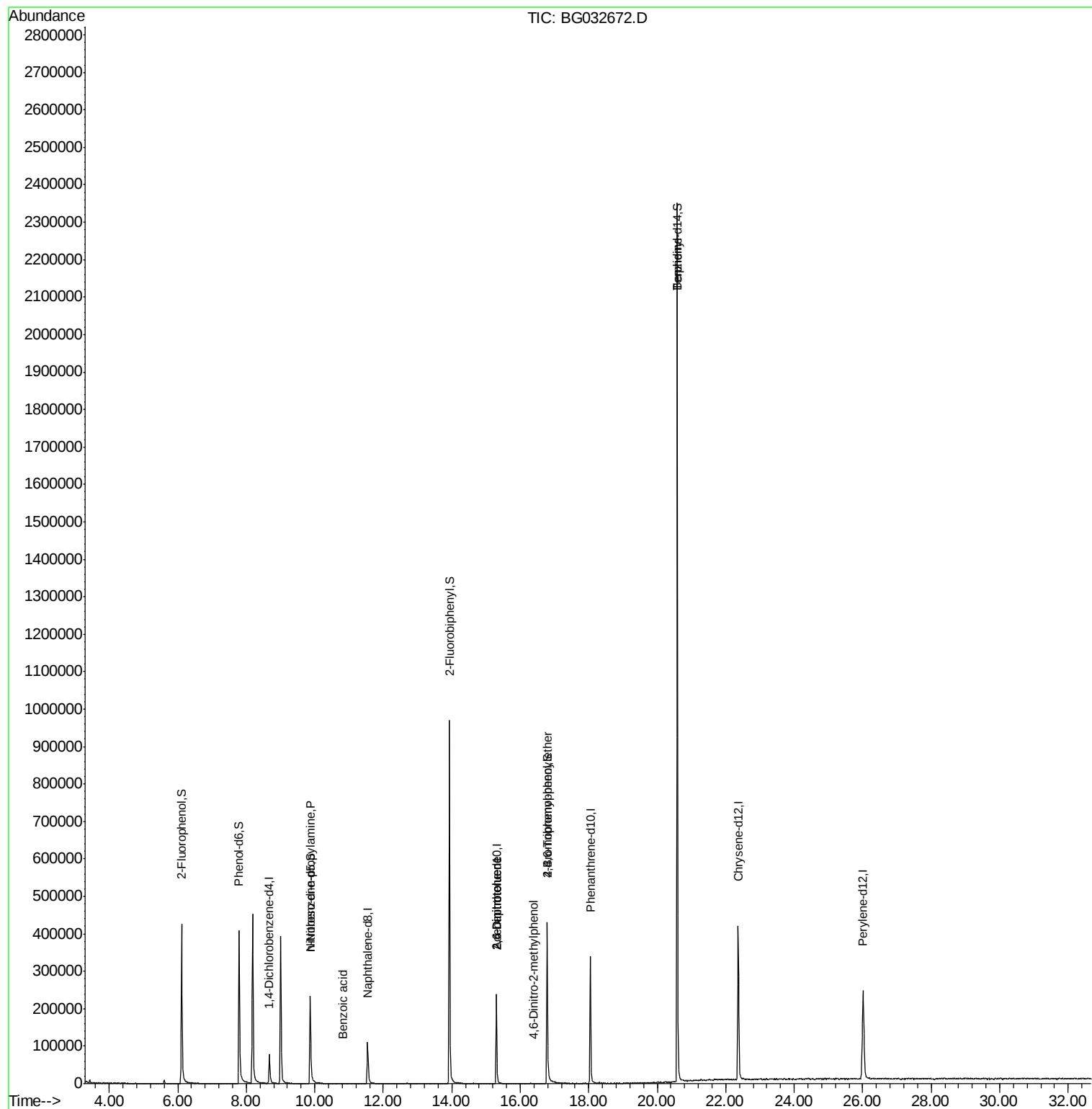
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.67	152	33809	20.00	ng	0.00
21) Naphthalene-d8	11.54	136	126789	20.00	ng	0.00
38) Acenaphthene-d10	15.30	164	96650	20.00	ng	0.00
63) Phenanthrene-d10	18.05	188	266423	20.00	ng	0.00
75) Chrysene-d12	22.37	240	343996	20.00	ng	0.00
86) Perylene-d12	26.01	264	348364	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.11	112	235013	139.47	ng	0.00
7) Phenol-d6	7.79	99	281240	122.06	ng	0.00
23) Nitrobenzene-d5	9.87	82	172521	86.48	ng	0.00
41) 2,4,6-Tribromophenol	16.79	330	111528	74.94	ng	0.00
44) 2-Fluorobiphenyl	13.93	172	628845	81.36	ng	0.00
78) Terphenyl-d14	20.59	244	1303202	86.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.87	70	25254	16.30	ng	# 77
32) Benzoic acid	10.80	122	54	4.43	ng	# 1
50) 2,6-Dinitrotoluene	15.30	165	11727	6.82	ng	# 18
56) 2,4-Dinitrotoluene	15.30	165	11726	4.95	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.38	198	73	5.06	ng	# 29
66) 4-Bromophenyl-phenylether	16.78	248	10014	2.63	ng	# 1
76) Benzidine	20.59	184	19367	2.39	ng	# 87

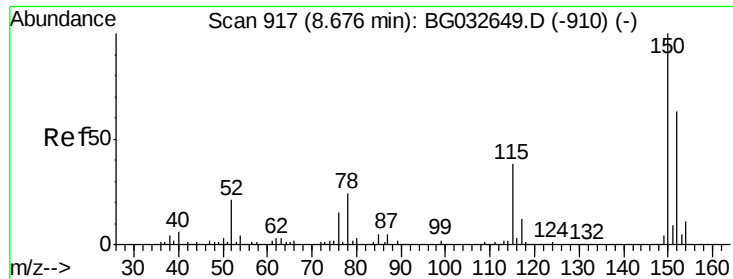
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



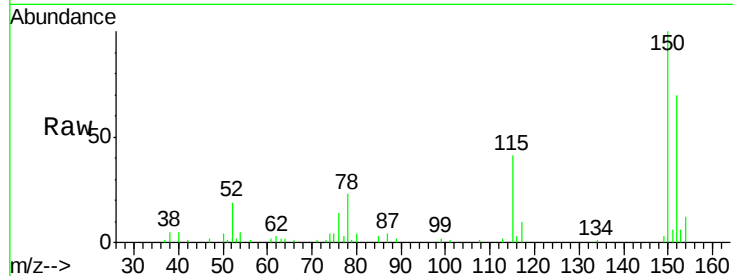


#1

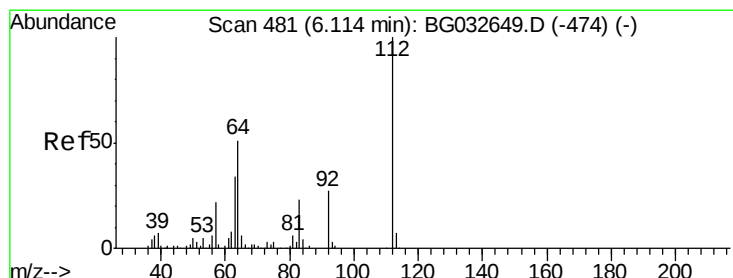
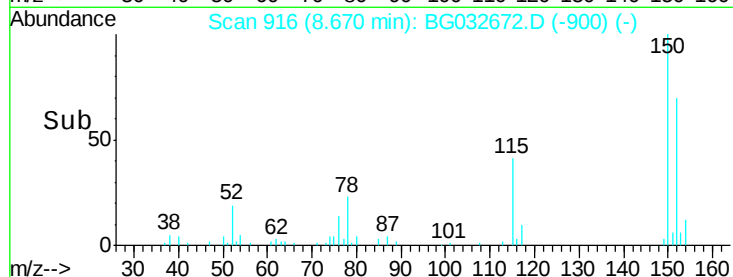
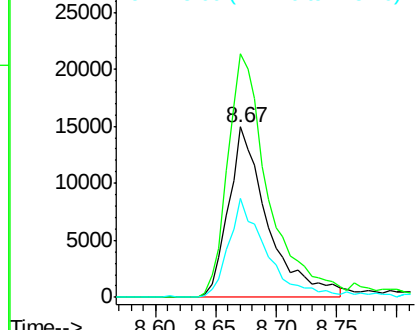
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.67 min Scan# 916
Delta R.T. -0.01 min
Lab File: BG032672.D
Acq: 13 Feb 2018 22:21

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 33809
Ion Ratio Lower Upper
152 100
150 143.1 126.6 189.8
115 58.5 53.0 79.4



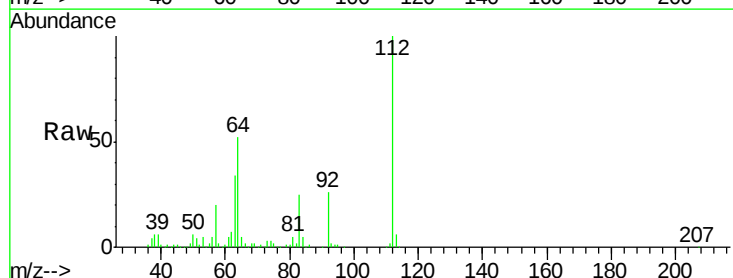
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



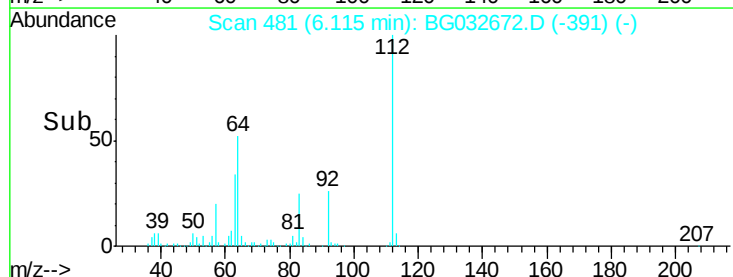
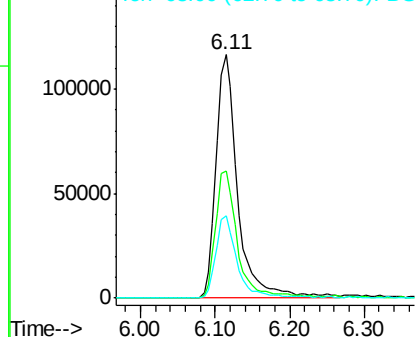
#5

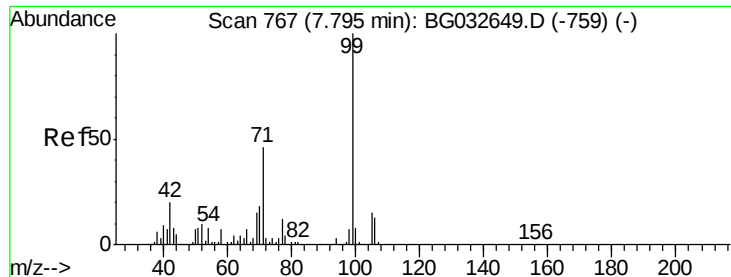
2-Fluorophenol
Concen: 139.47 ng
RT: 6.11 min Scan# 481
Delta R.T. 0.00 min
Lab File: BG032672.D
Acq: 13 Feb 2018 22:21

Tgt Ion:112 Resp: 235013
Ion Ratio Lower Upper
112 100
64 52.0 56.3 84.5#
63 33.8 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 122.06 ng

RT: 7.79 min Scan# 766

Delta R.T. -0.01 min

Lab File: BG032672.D

Acq: 13 Feb 2018 22:21

Instrument :

BNA_G

ClientSampleId :

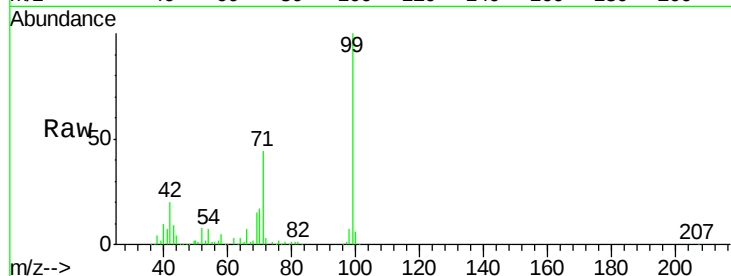
Tot Ion: 99 Resp: 281240

Ion Ratio Lower Upper

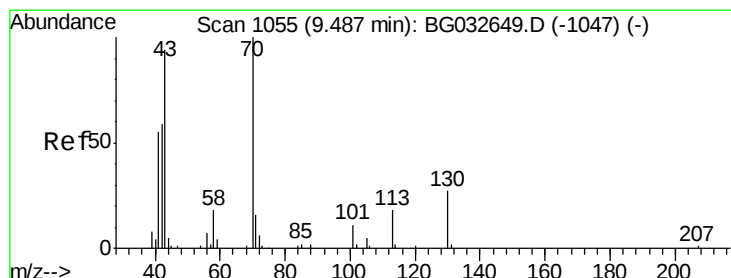
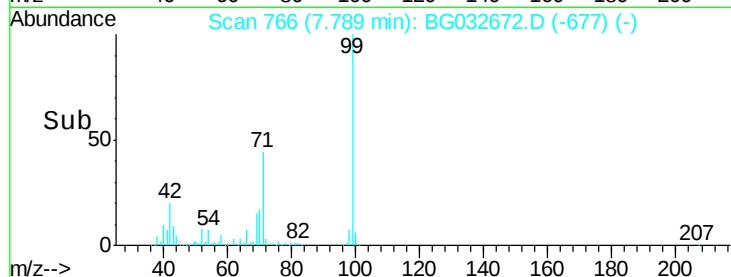
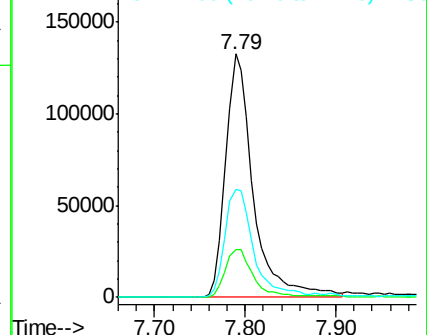
99 100

42 19.5 14.1 21.1

71 44.3 26.1 39.1#



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: 16.30 ng

RT: 9.87 min Scan# 1120

Delta R.T. 0.38 min

Lab File: BG032672.D

Acq: 13 Feb 2018 22:21

Tgt Ion: 70 Resp: 25254

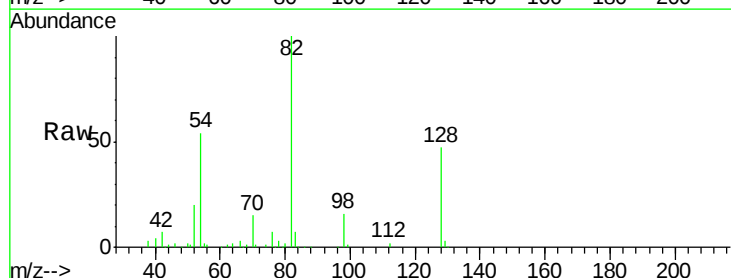
Ion Ratio Lower Upper

70 100

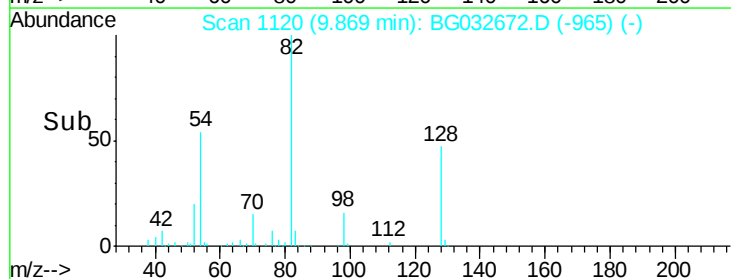
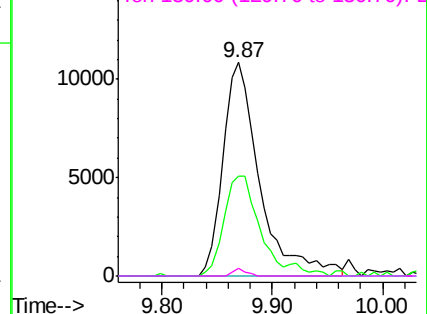
42 46.6 49.1 73.7#

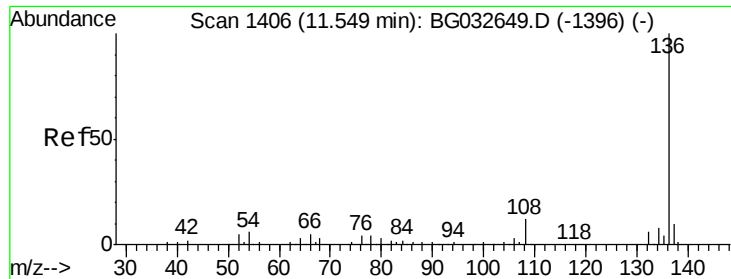
101 0.0 8.5 12.7#

130 3.3 13.4 20.0#



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

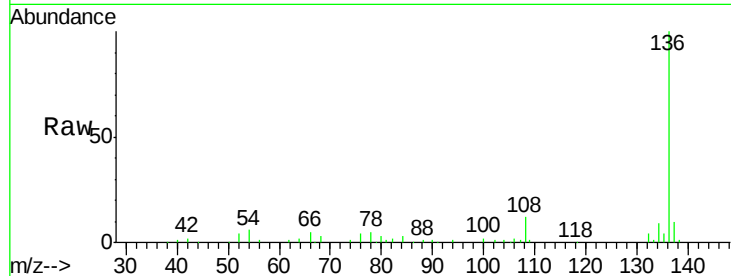




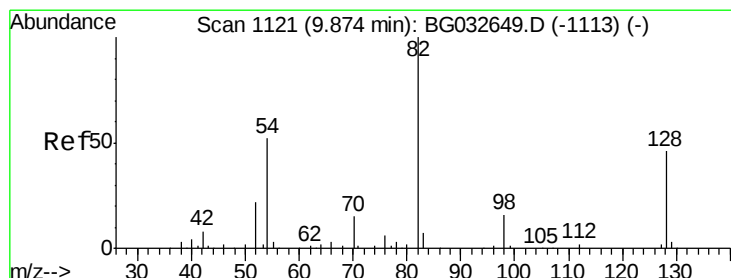
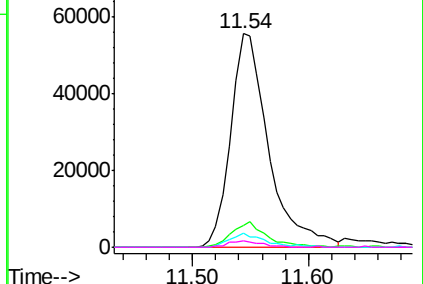
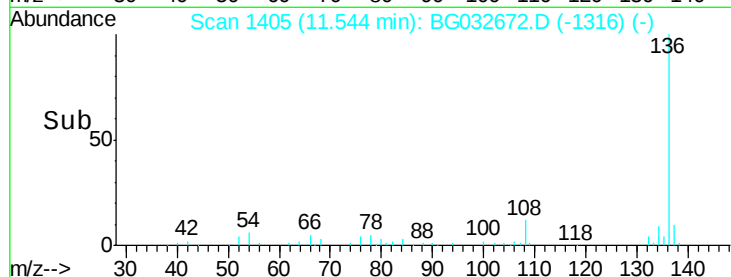
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.54 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BG032672.D
Acq: 13 Feb 2018 22:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	126789
Ion Ratio	Lower	Upper
136	100	
137	10.1	9.2 13.8
54	6.4	10.3 15.5#
68	3.0	4.5 6.7#

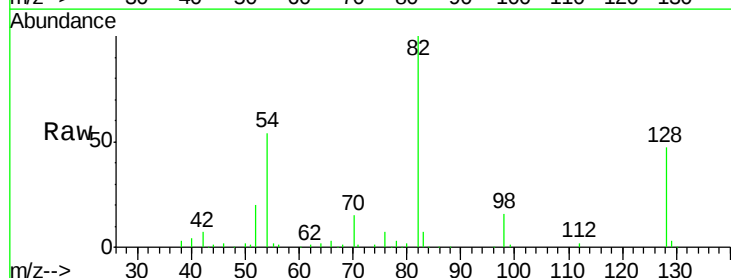


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

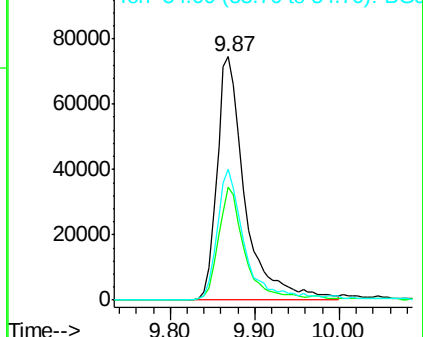
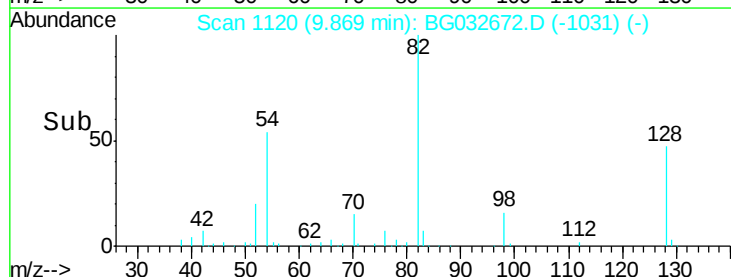


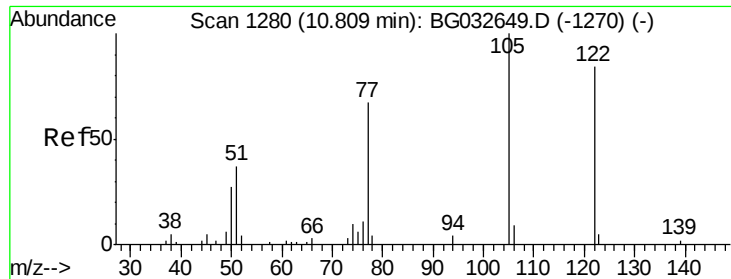
#23
Nitrobenzene-d5
Concen: 86.48 ng
RT: 9.87 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BG032672.D
Acq: 13 Feb 2018 22:21

Tgt Ion: 82	Resp:	172521
Ion Ratio	Lower	Upper
82	100	
128	46.5	29.7 44.5#
54	53.6	43.1 64.7



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

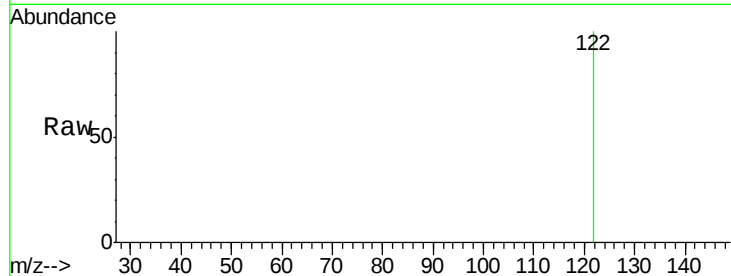




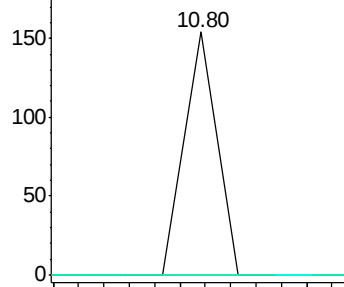
#32
Benzoic acid
Concen: 4.43 ng
RT: 10.80 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BG032672.D
Acq: 13 Feb 2018 22:21

Instrument :
BNA_G
ClientSampleId :

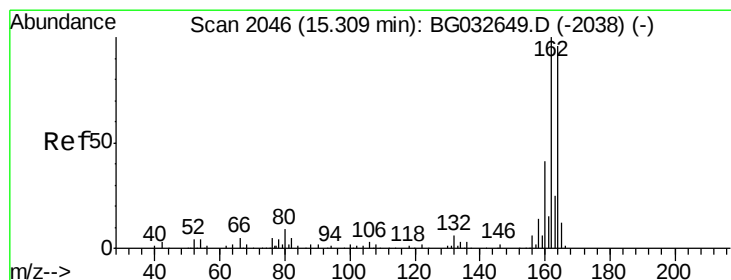
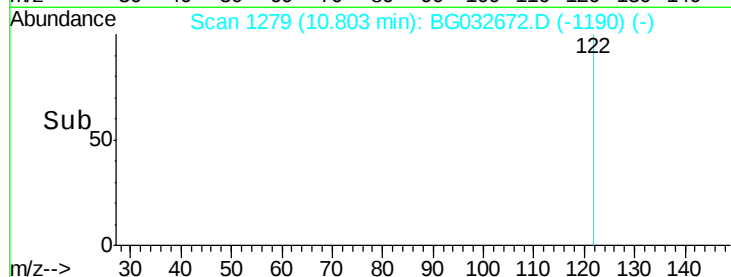
Tot Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

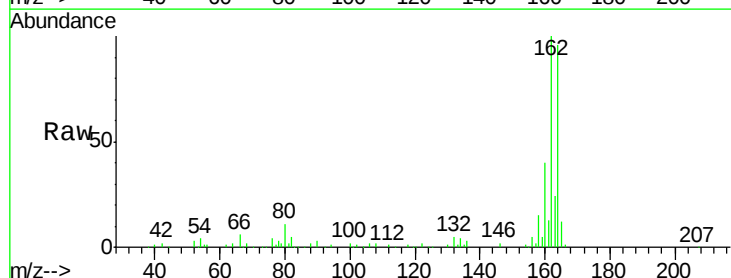


Time--> 10.78 10.80 10.82

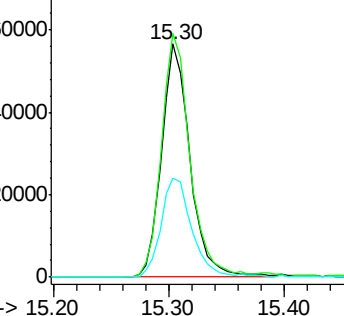


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.30 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BG032672.D
Acq: 13 Feb 2018 22:21

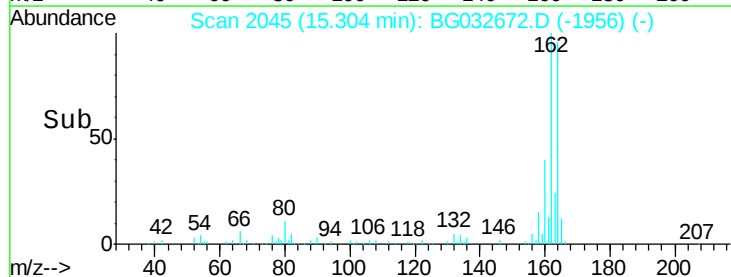
Tgt Ion:164 Resp: 96650
Ion Ratio Lower Upper
164 100
162 104.5 78.8 118.2
160 42.2 35.4 53.0

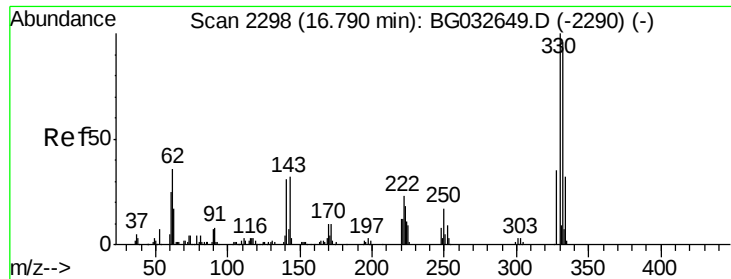


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time--> 15.20 15.30 15.40

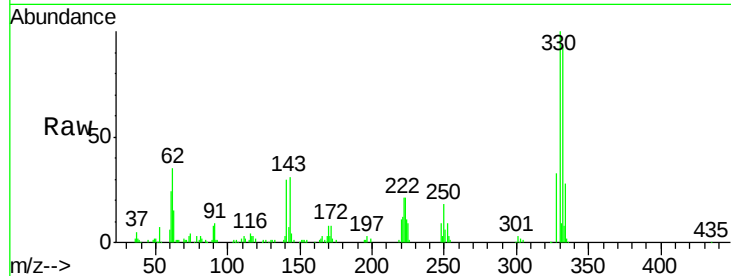




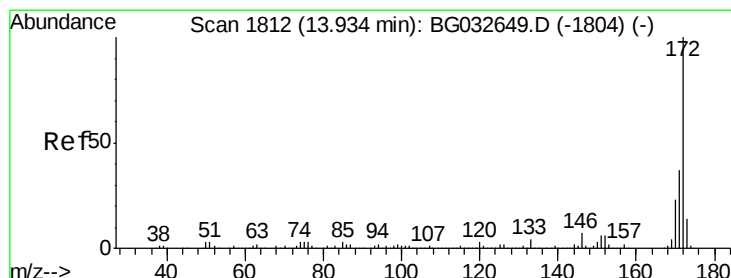
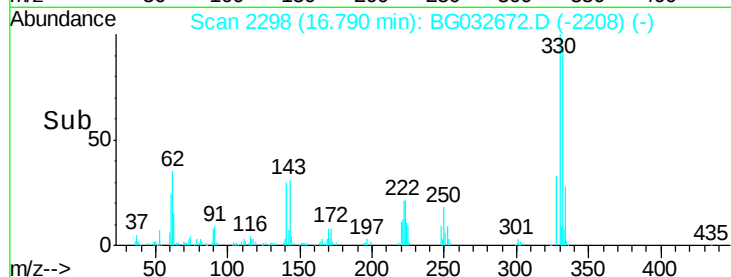
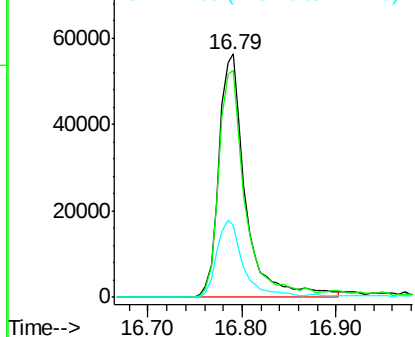
#41
 2,4,6-Tribromophenol
 Concen: 74.94 ng
 RT: 16.79 min Scan# 2298
 Delta R.T. 0.00 min
 Lab File: BG032672.D
 Acq: 13 Feb 2018 22:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 111528
 Ion Ratio Lower Upper
 330 100
 332 93.3 77.0 115.6
 141 31.7 25.2 37.8

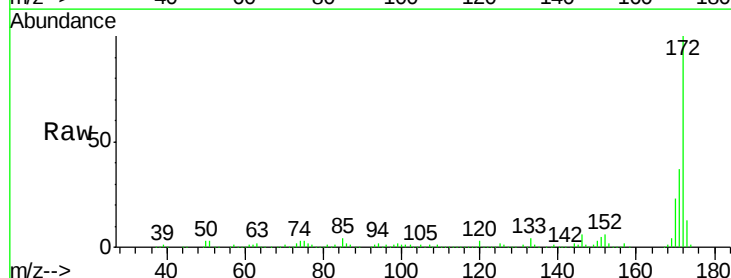


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

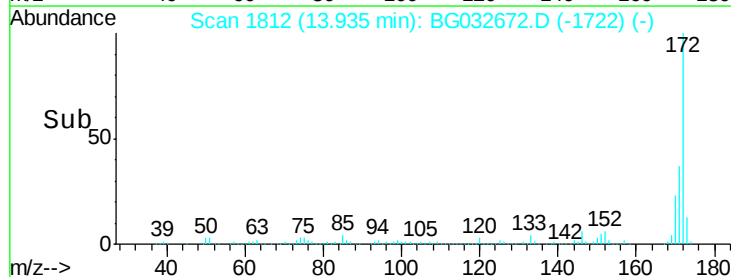
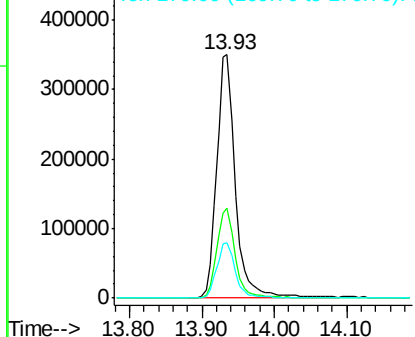


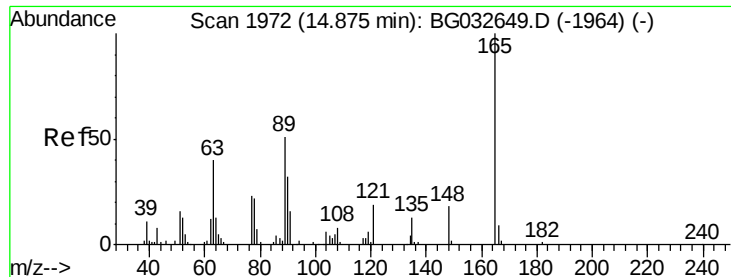
#44
 2-Fluorobiphenyl
 Concen: 81.36 ng
 RT: 13.93 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: BG032672.D
 Acq: 13 Feb 2018 22:21

Tgt Ion:172 Resp: 628845
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 22.9 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

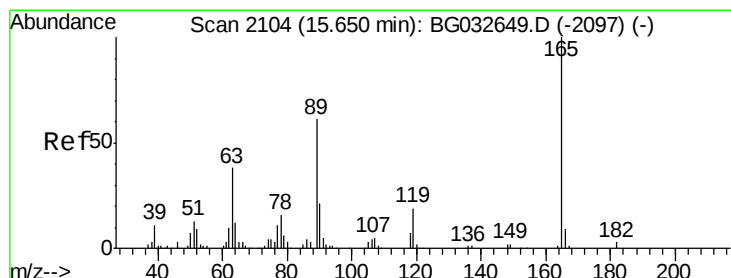
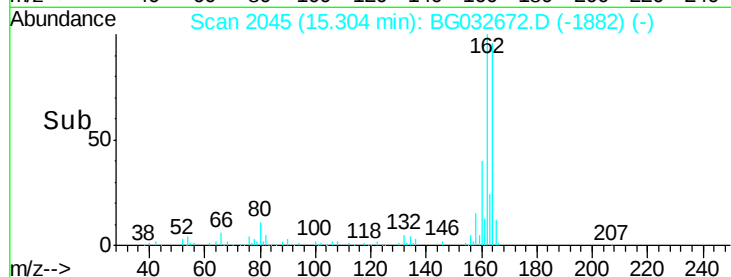
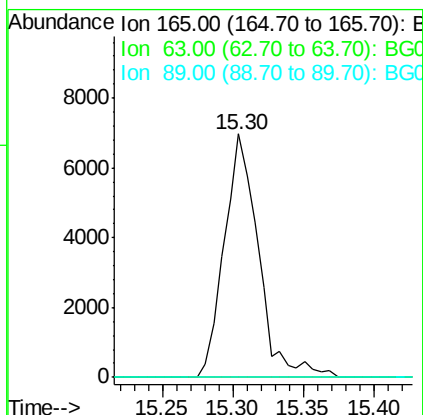
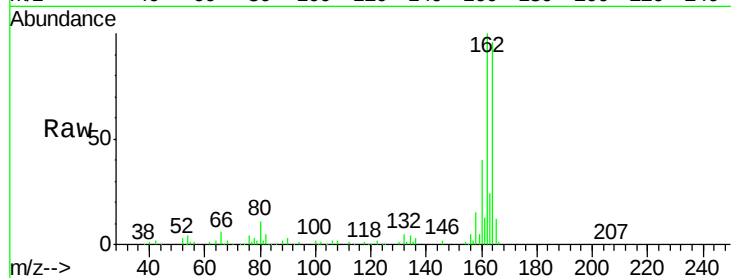




#50
 2,6-Dinitrotoluene
 Concen: 6.82 ng
 RT: 15.30 min Scan# 2045
 Delta R.T. 0.43 min
 Lab File: BG032672.D
 Acq: 13 Feb 2018 22:21

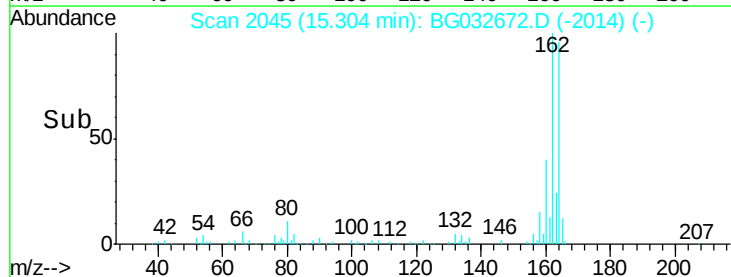
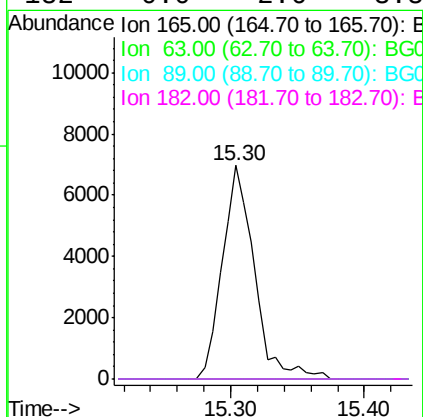
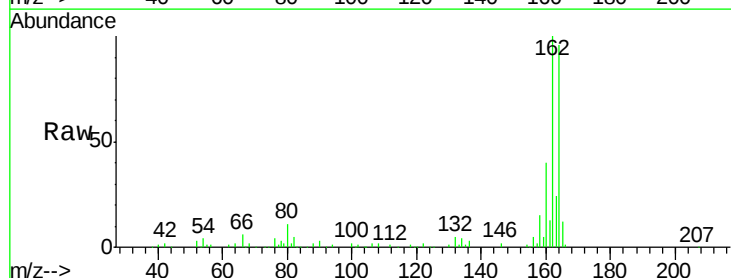
Instrument :
 BNA_G
 ClientSampleId :

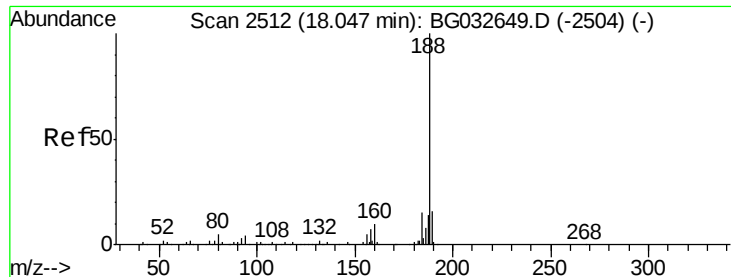
Tot Ion:165 Resp: 11727
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.95 ng
 RT: 15.30 min Scan# 2045
 Delta R.T. -0.35 min
 Lab File: BG032672.D
 Acq: 13 Feb 2018 22:21

Tgt Ion:165 Resp: 11726
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.05 min Scan# 2512

Delta R.T. 0.00 min

Lab File: BG032672.D

Acq: 13 Feb 2018 22:21

Instrument :

BNA_G

ClientSampleId :

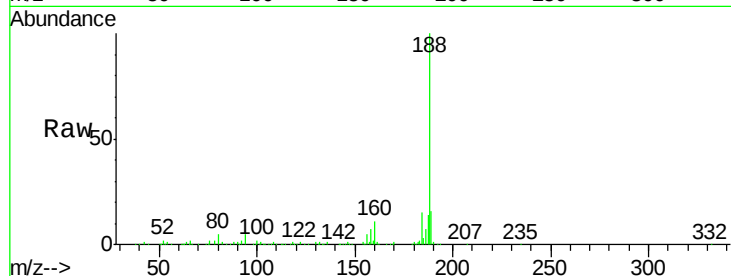
Tot Ion:188 Resp: 266423

Ion Ratio Lower Upper

188 100

94 4.5 6.9 10.3#

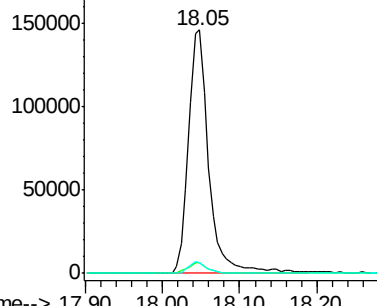
80 4.5 7.7 11.5#



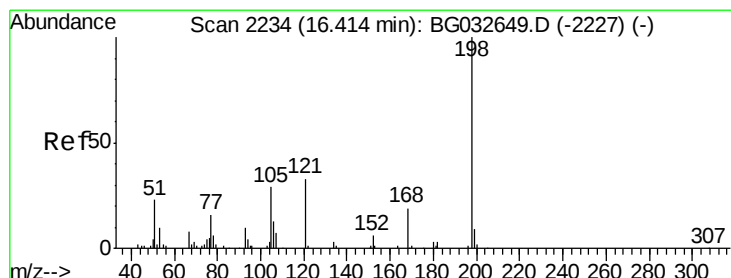
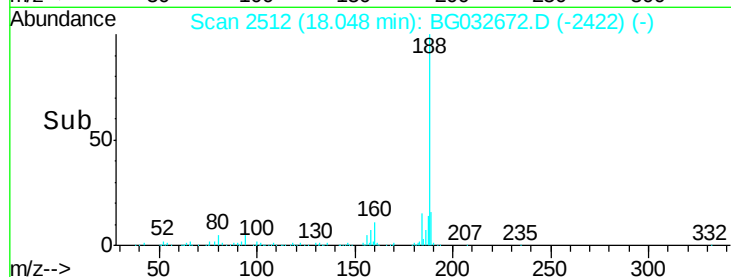
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time--> 17.90 18.00 18.10 18.20



#64

4,6-Dinitro-2-methylphenol

Concen: 5.06 ng

RT: 16.38 min Scan# 2229

Delta R.T. -0.03 min

Lab File: BG032672.D

Acq: 13 Feb 2018 22:21

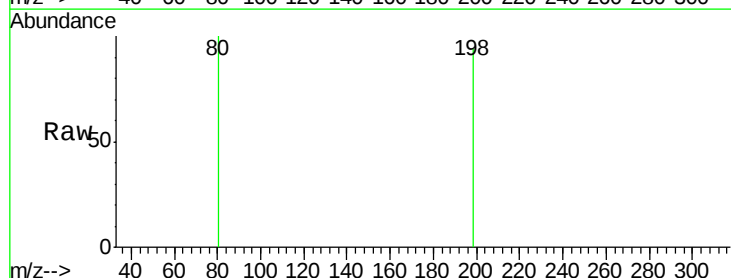
Tgt Ion:198 Resp: 73

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

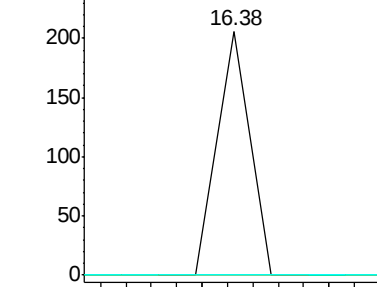
105 0.0 23.8 63.8#



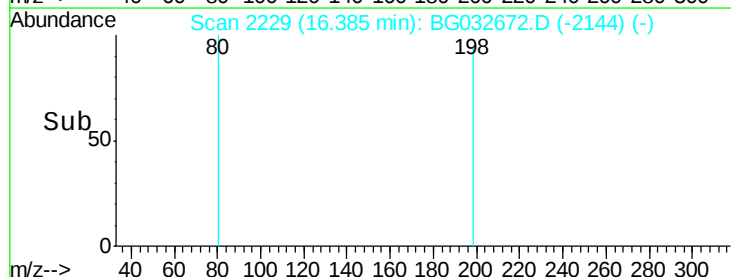
Abundance Ion 198.00 (197.70 to 198.70): E

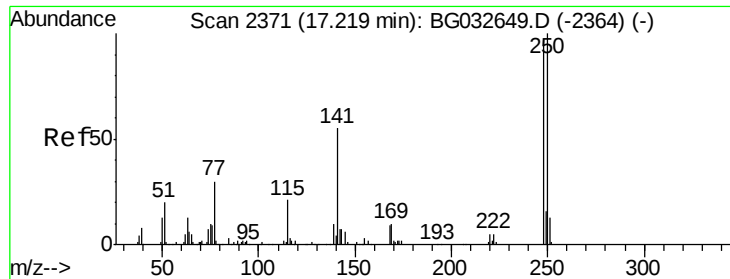
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



Time--> 16.38 16.40

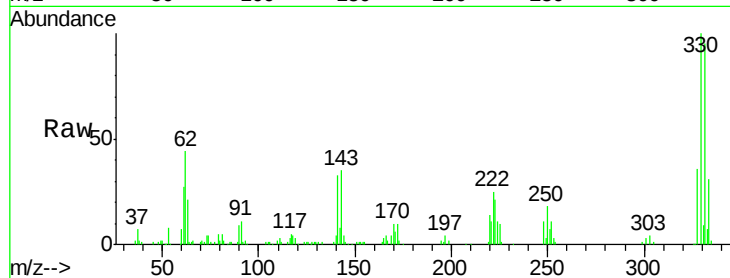




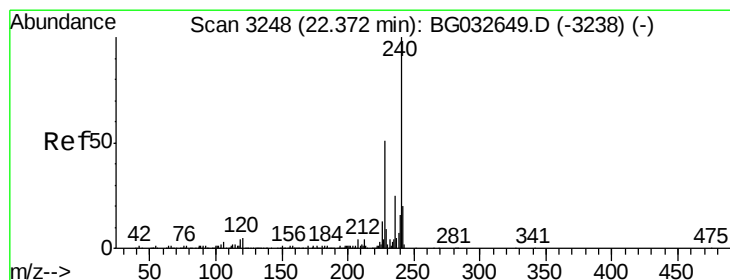
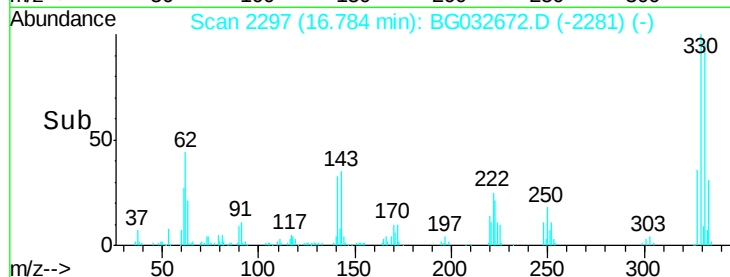
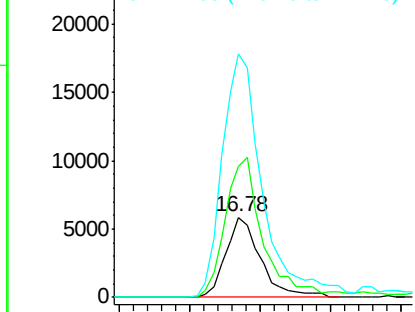
#66
4-Bromophenyl-phenylether
Concen: 2.63 ng
RT: 16.78 min Scan# 2297
Delta R.T. -0.43 min
Lab File: BG032672.D
Acq: 13 Feb 2018 22:21

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 10014
Ion Ratio Lower Upper
248 100
250 164.8 77.1 115.7#
141 305.3 50.8 76.2#

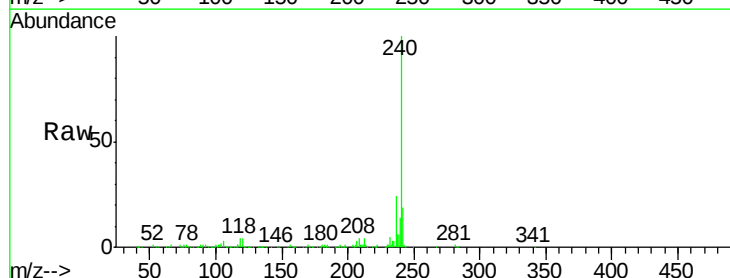


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

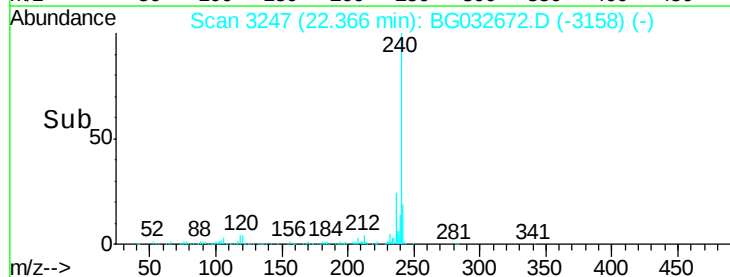
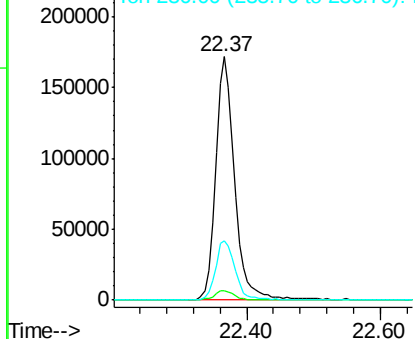


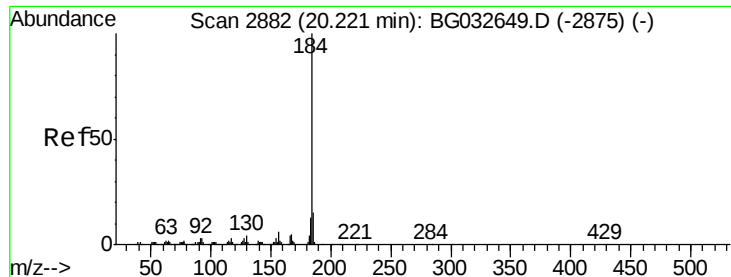
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.37 min Scan# 3247
Delta R.T. -0.01 min
Lab File: BG032672.D
Acq: 13 Feb 2018 22:21

Tgt Ion:240 Resp: 343996
Ion Ratio Lower Upper
240 100
120 3.7 6.8 10.2#
236 24.2 20.9 31.3



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: 2.39 ng

RT: 20.59 min Scan# 2944

Delta R.T. 0.36 min

Lab File: BG032672.D

Acq: 13 Feb 2018 22:21

Instrument :

BNA_G

ClientSampleId :

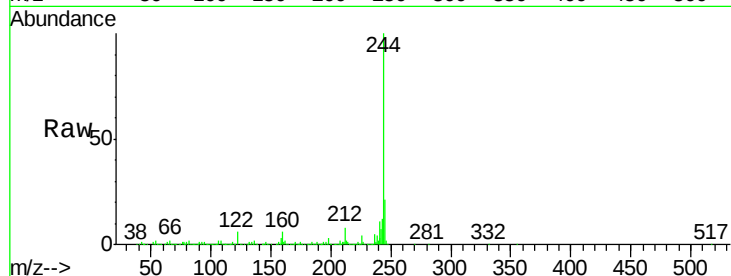
Tot Ion:184 Resp: 19367

Ion Ratio Lower Upper

184 100

185 20.2 11.1 16.7#

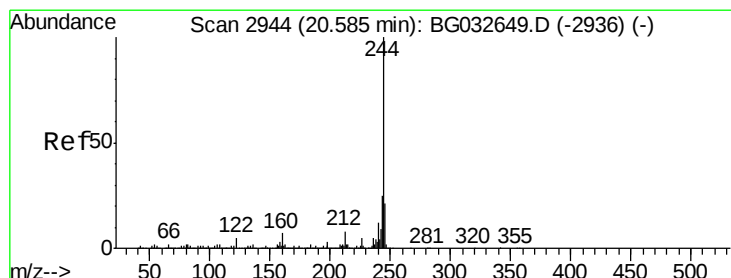
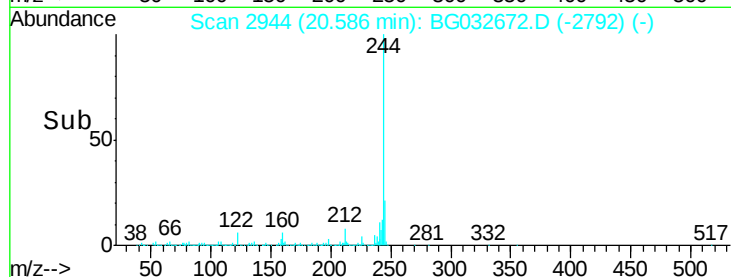
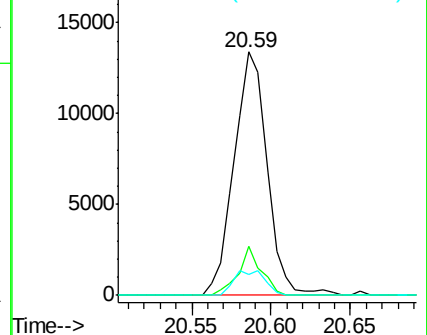
183 8.8 10.6 16.0#



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: 86.35 ng

RT: 20.59 min Scan# 2944

Delta R.T. 0.00 min

Lab File: BG032672.D

Acq: 13 Feb 2018 22:21

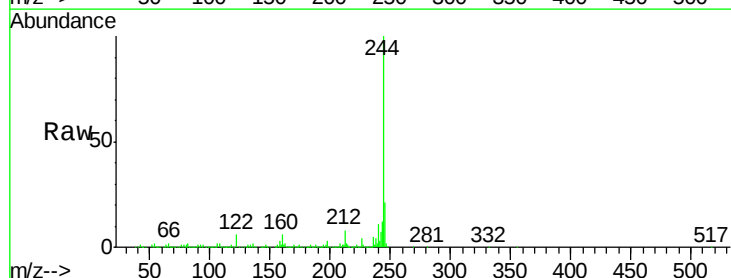
Tgt Ion:244 Resp: 1303202

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

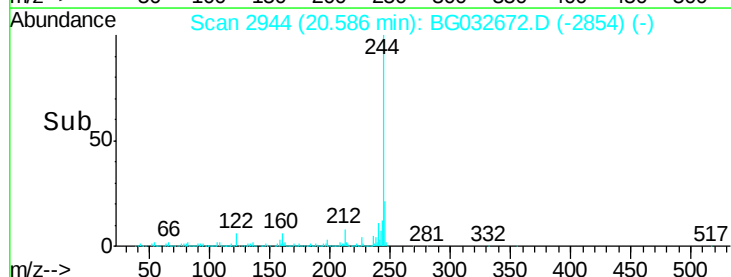
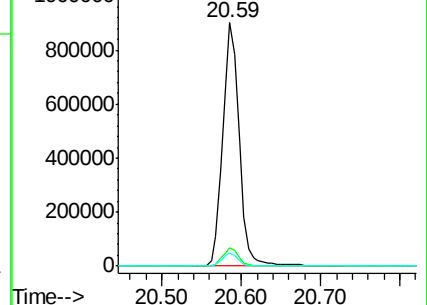
122 5.5 7.0 10.4#

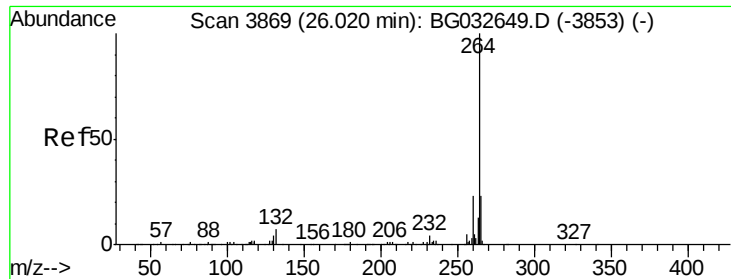


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

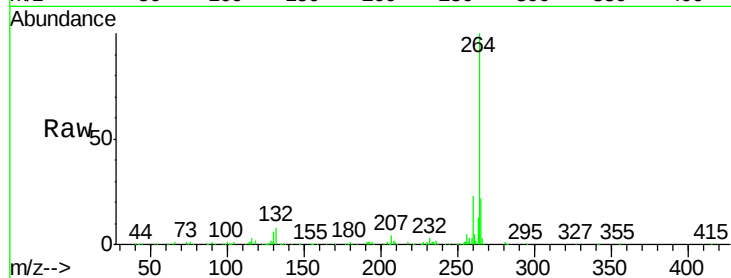




#86
Pervlene-d12
Concen: 20.00 ng
RT: 26.01 min Scan# 3868
Delta R.T. -0.01 min
Lab File: BG032672.D
Acq: 13 Feb 2018 22:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	21.7	17.7	26.5



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

