

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050118\
 Data File : BG034112.D
 Acq On : 2 May 2018 12:28
 Operator : SJ/JU
 Sample : J2610-01
 Misc : 8PPM MDL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 14:30:54 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 19:08:03 2018
 Response via : Initial Calibration

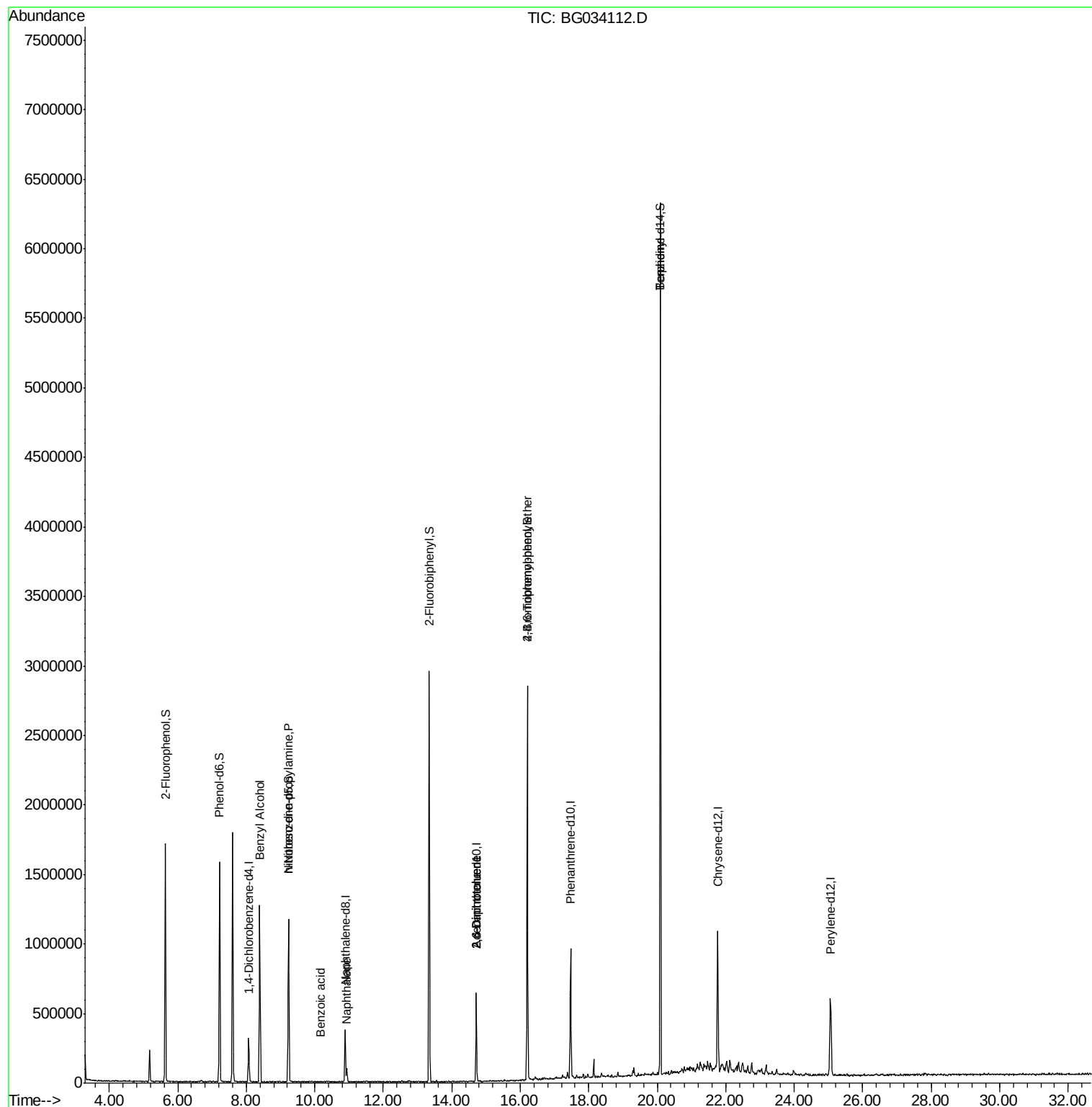
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	73921	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	275214	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	207112	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	552668	20.00	ng	0.00
75) Chrysene-d12	21.76	240	630237	20.00	ng	0.00
86) Perylene-d12	25.06	264	658480	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	598921	130.90	ng	0.00
7) Phenol-d6	7.22	99	782898	109.91	ng	0.00
23) Nitrobenzene-d5	9.23	82	697405	97.23	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	442228	154.20	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1400049	98.50	ng	0.00
78) Terphenyl-d14	20.09	244	2734503	95.05	ng	0.00
Target Compounds						
9) Benzaldehyde	7.22	77	1848	Below Cal		Qvalue # 15
15) Benzyl Alcohol	8.39	79	15250	2.007 ng	#	44
19) n-Nitroso-di-n-propylamine	9.23	70	110462	17.268 ng	#	78
31) Naphthalene	10.94	128	68472	4.733 ng		98
32) Benzoic acid	10.17	122	105	3.147 ng	#	1
50) 2,6-Dinitrotoluene	14.71	165	28003	8.119 ng	#	21
56) 2,4-Dinitrotoluene	14.71	165	28003	5.979 ng	#	19
66) 4-Bromophenyl-phenylether	16.21	248	37716	5.497 ng	#	1
76) Benzidine	20.09	184	62670	3.860 ng		94

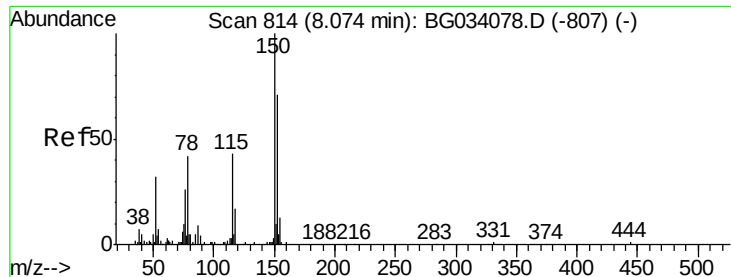
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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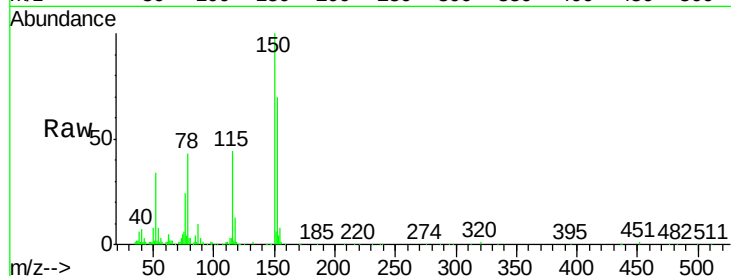


#1

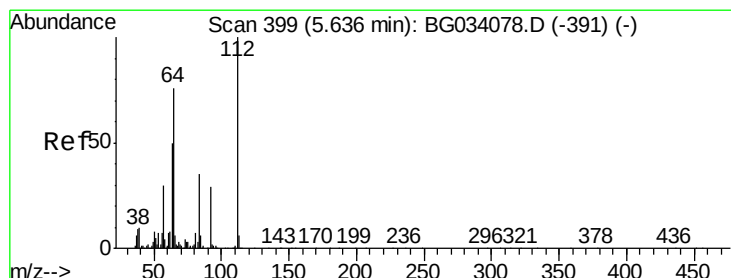
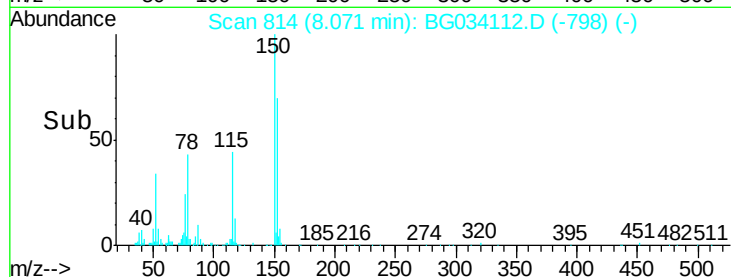
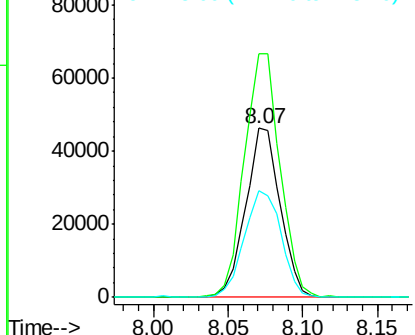
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034112.D
Acq: 2 May 2018 12:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.9	126.6	189.8
115	63.1	53.0	79.4



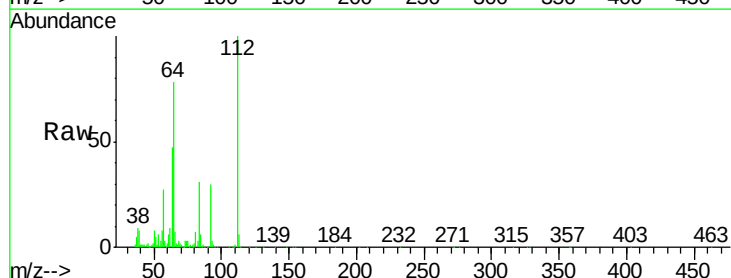
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



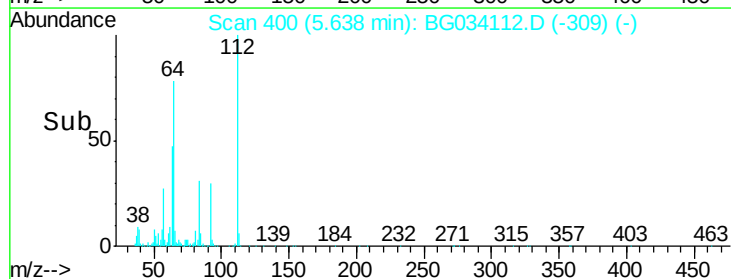
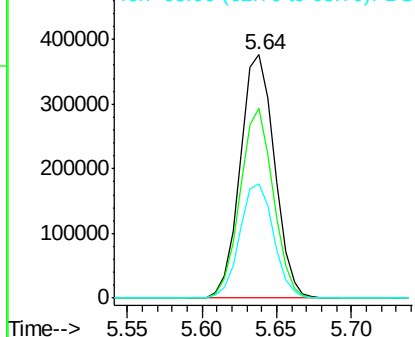
#5

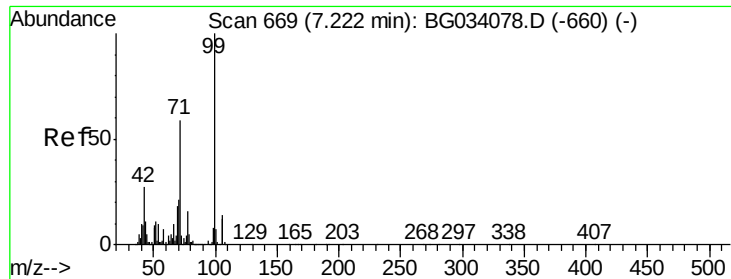
2-Fluorophenol
Concen: 130.901 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG034112.D
Acq: 2 May 2018 12:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.2	56.3	84.5
63	46.7	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 109.912 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034112.D

Acq: 2 May 2018 12:28

Instrument :

BNA_G

ClientSampleId :

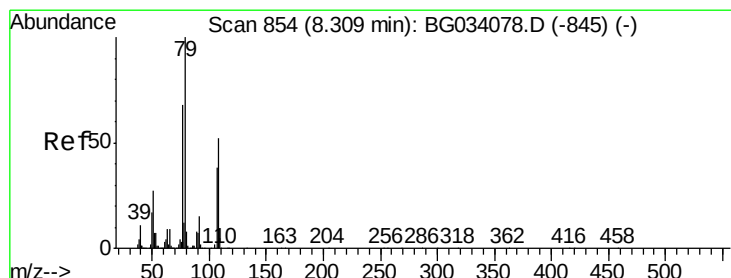
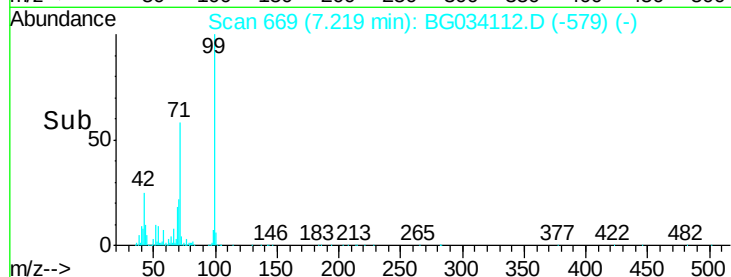
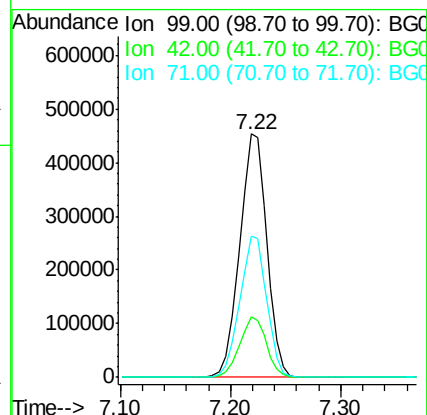
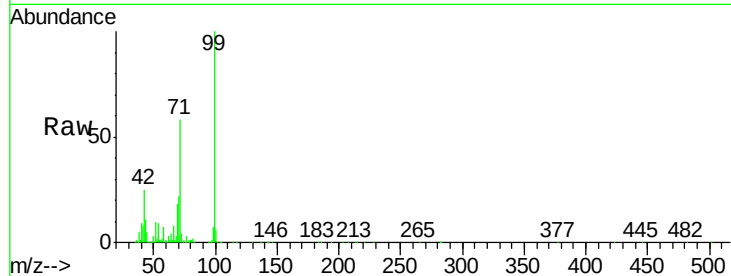
Tot Ion: 99 Resp: 782898

Ion Ratio Lower Upper

99 100

42 25.1 14.1 21.1#

71 58.0 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.007 ng

RT: 8.39 min Scan# 869

Delta R.T. 0.08 min

Lab File: BG034112.D

Acq: 2 May 2018 12:28

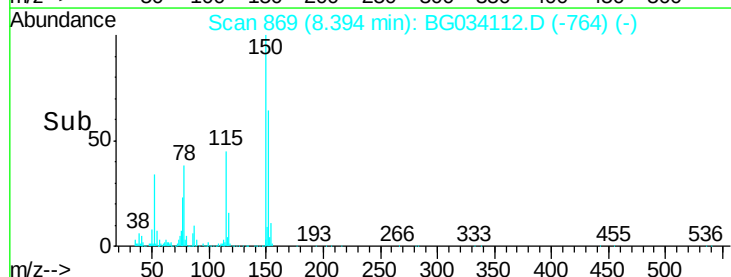
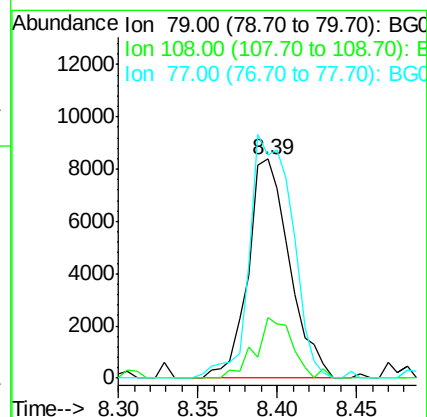
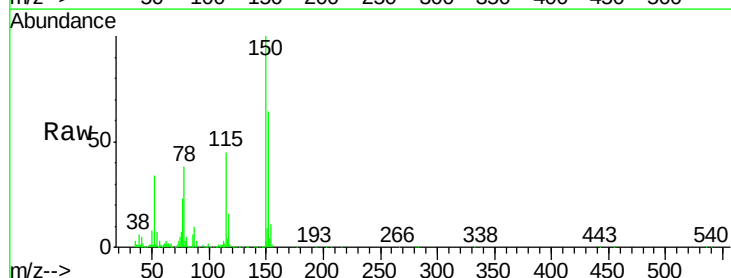
Tgt Ion: 79 Resp: 15250

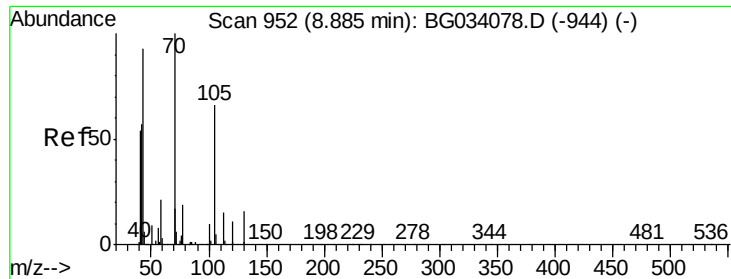
Ion Ratio Lower Upper

79 100

108 27.5 57.2 85.8#

77 102.1 46.1 69.1#

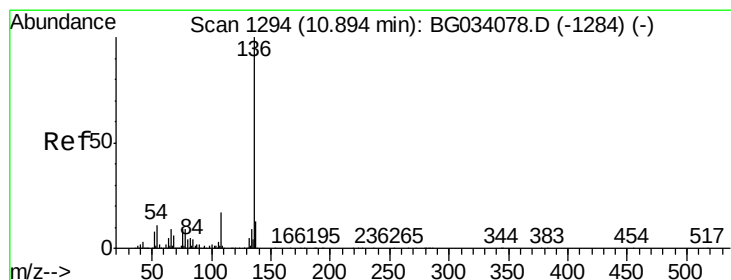
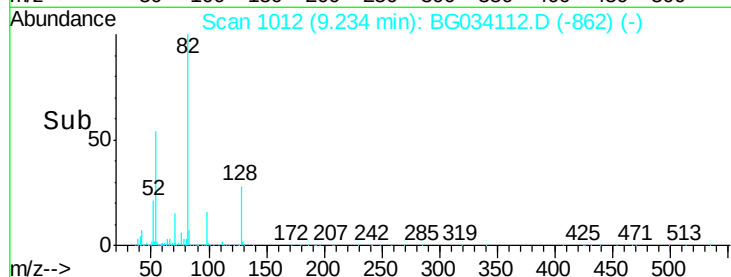
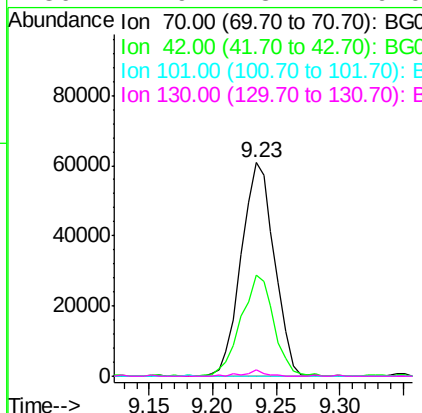
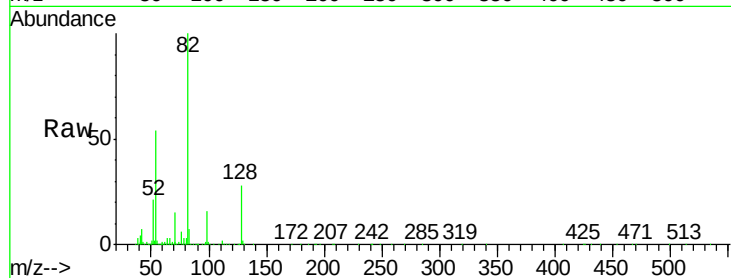




#19
n-Nitroso-di-n-propylamine
Concen: 17.268 ng
RT: 9.23 min Scan# 1012
Delta R.T. 0.35 min
Lab File: BG034112.D
Acq: 2 May 2018 12:28

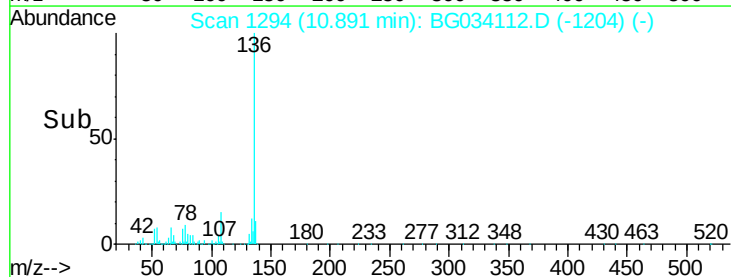
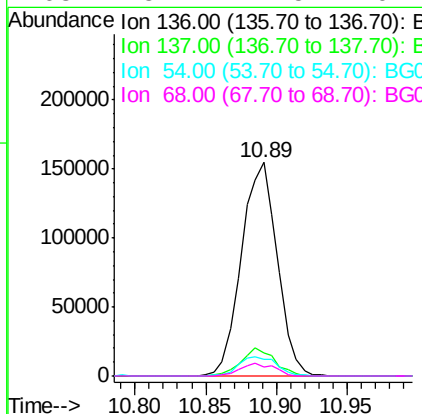
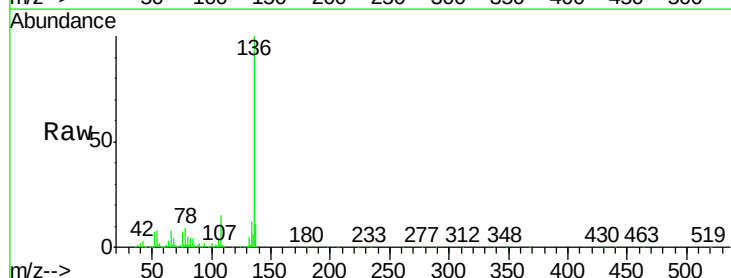
Instrument :
BNA_G
ClientSampleId :

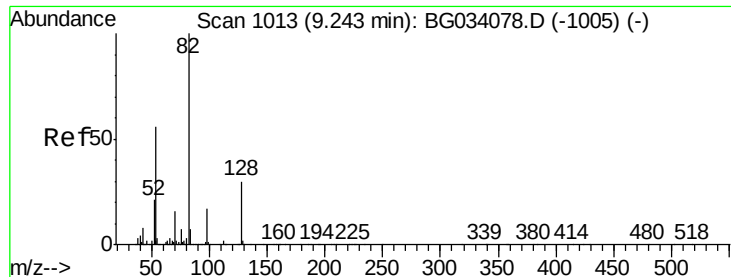
Tot Ion: 70 Resp: 110462
Ion Ratio Lower Upper
70 100
42 47.3 49.1 73.7#
101 0.0 8.5 12.7#
130 2.9 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG034112.D
Acq: 2 May 2018 12:28

Tgt Ion: 136 Resp: 275214
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 7.6 10.3 15.5#
68 5.1 4.5 6.7





#23

Nitrobenzene-d5

Concen: 97.226 ng

RT: 9.23 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BG034112.D

Acq: 2 May 2018 12:28

Instrument :

BNA_G

ClientSampleId :

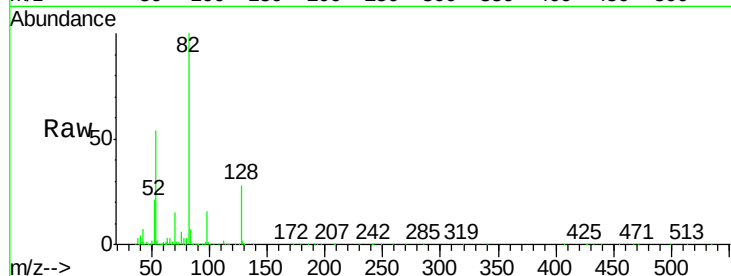
Tot Ion: 82 Resp: 697405

Ion Ratio Lower Upper

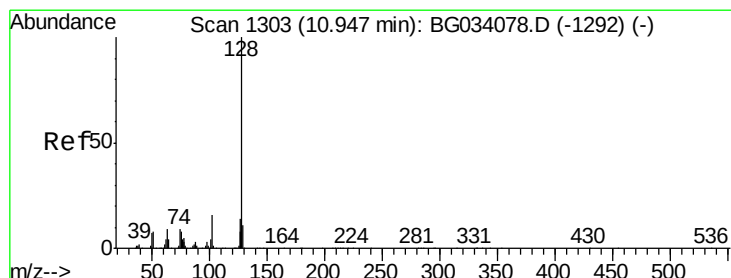
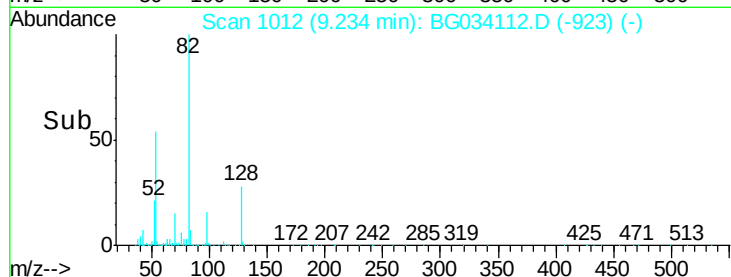
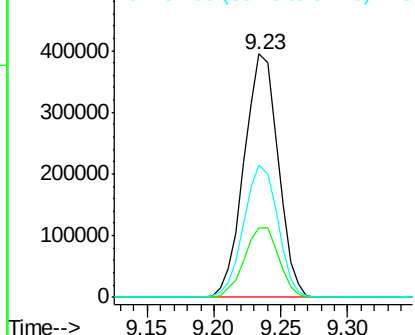
82 100

128 28.4 29.7 44.5#

54 54.3 43.1 64.7



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



#31

Naphthalene

Concen: 4.733 ng

RT: 10.94 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BG034112.D

Acq: 2 May 2018 12:28

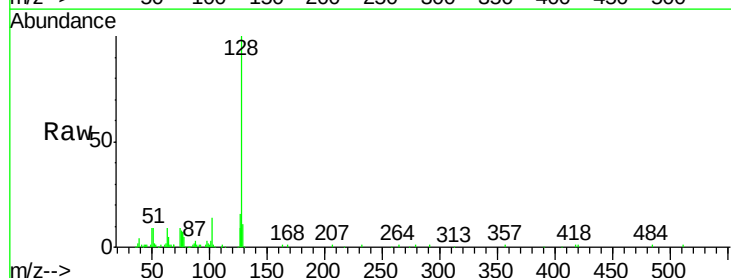
Tgt Ion: 128 Resp: 68472

Ion Ratio Lower Upper

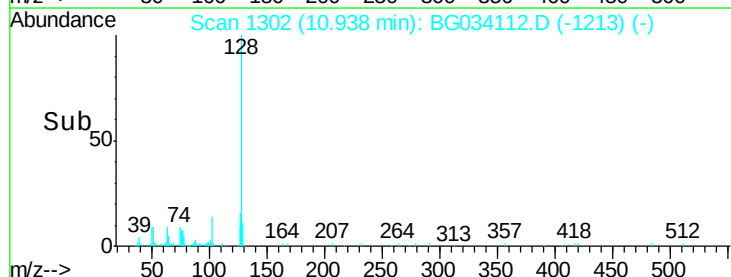
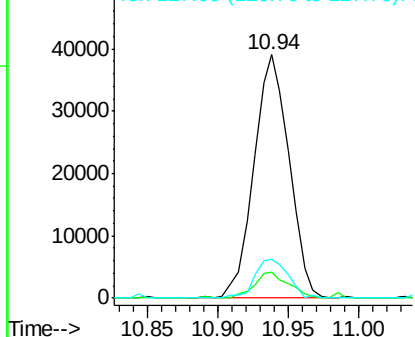
128 100

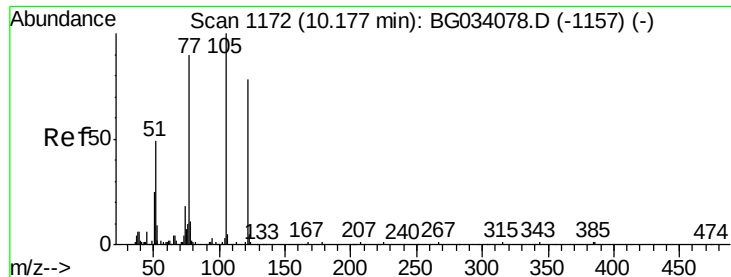
129 10.8 8.6 12.8

127 15.8 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 3.147 ng

RT: 10.17 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BG034112.D

Acq: 2 May 2018 12:28

Instrument :

BNA_G

ClientSampleId :

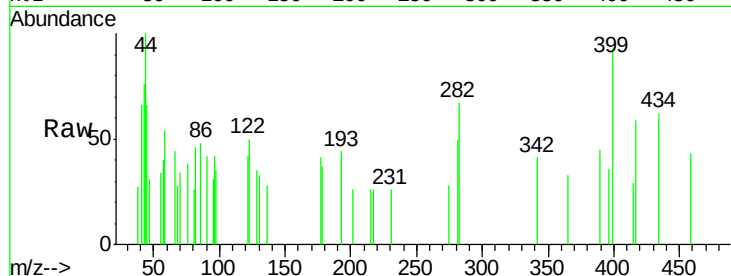
Tot Ion:122 Resp: 105

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

Ion 77.00 (76.70 to 77.70): B

Ion 77.00 (76.70 to 77.70): B

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Ion 77.00 (76.70 to 77.70): B

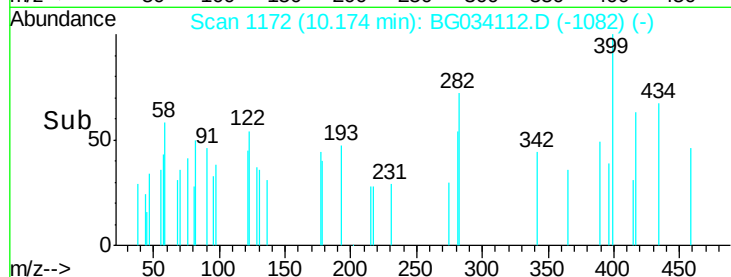
Ion 77.00 (76.70 to 77.70): B

Ion 77.00 (76.70 to 77.70): B

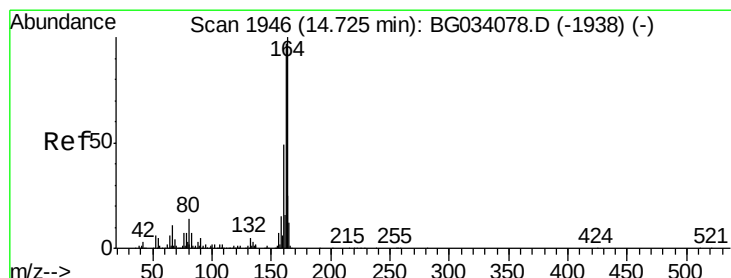
Ion 77.00 (76.70 to 77.70): B

Ion 77.00 (76.70 to 77.70): B

Ion 77.00 (76.70 to 77.70): B



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG034112.D

Acq: 2 May 2018 12:28

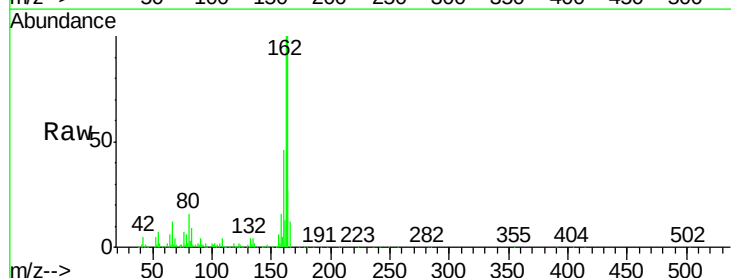
Tgt Ion:164 Resp: 207112

Ion Ratio Lower Upper

164 100

162 100.3 78.8 118.2

160 46.6 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

Ion 160.00 (159.70 to 160.70): E

Ion 160.00 (159.70 to 160.70): E

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Ion 160.00 (159.70 to 160.70): E

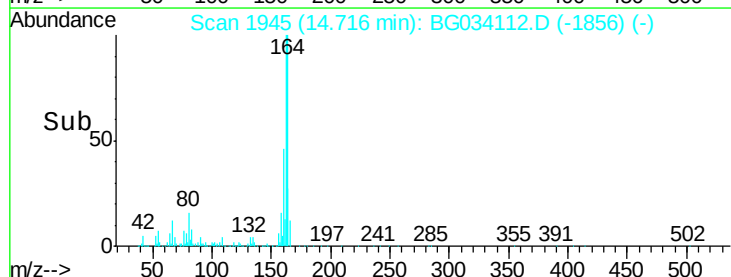
Ion 160.00 (159.70 to 160.70): E

Ion 160.00 (159.70 to 160.70): E

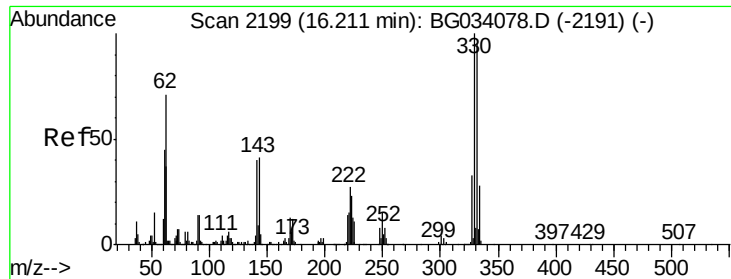
Ion 160.00 (159.70 to 160.70): E

Ion 160.00 (159.70 to 160.70): E

Ion 160.00 (159.70 to 160.70): E



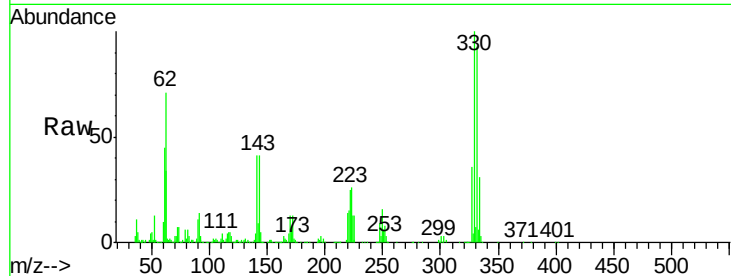
Time-->



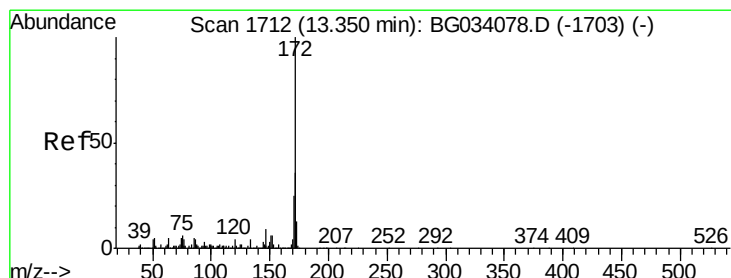
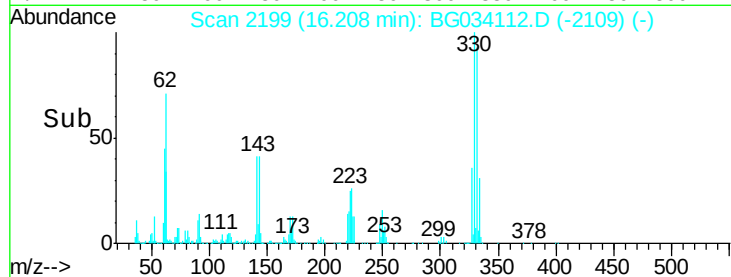
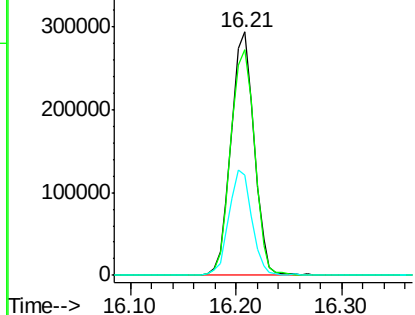
#41
 2,4,6-Tribromophenol
 Concen: 154.199 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: BG034112.D
 Acq: 2 May 2018 12:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 442228
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 42.5 25.2 37.8#

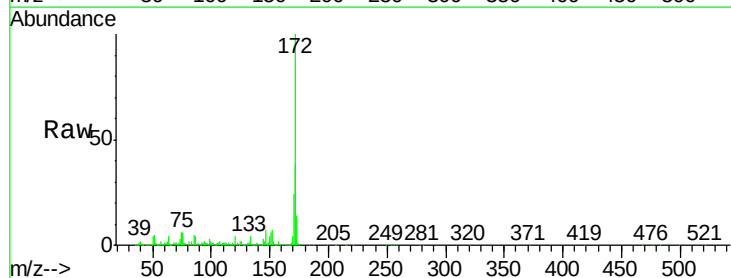


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

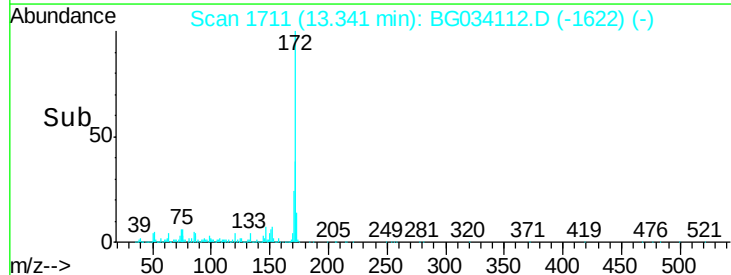
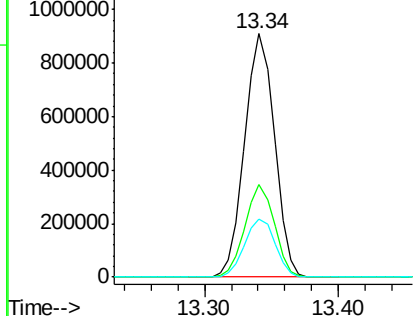


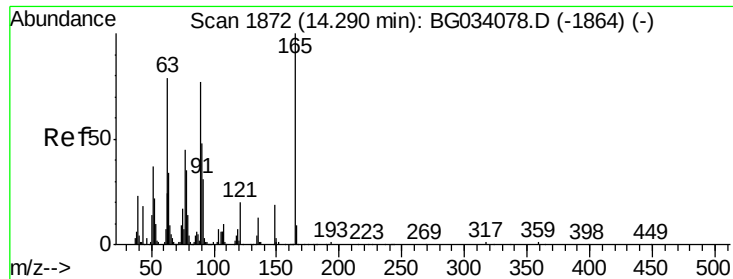
#44
 2-Fluorobiphenyl
 Concen: 98.502 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG034112.D
 Acq: 2 May 2018 12:28

Tgt Ion:172 Resp: 1400049
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.0 45.0
 170 23.8 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

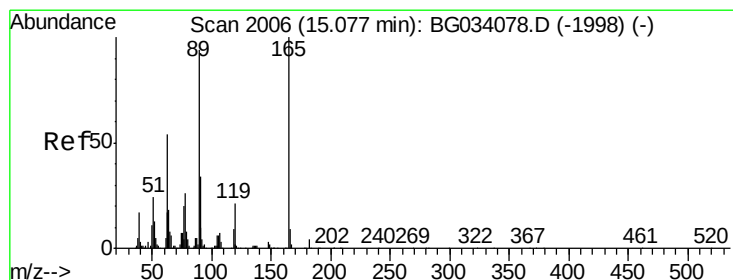
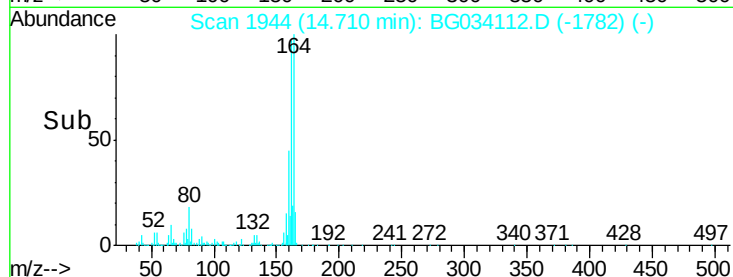
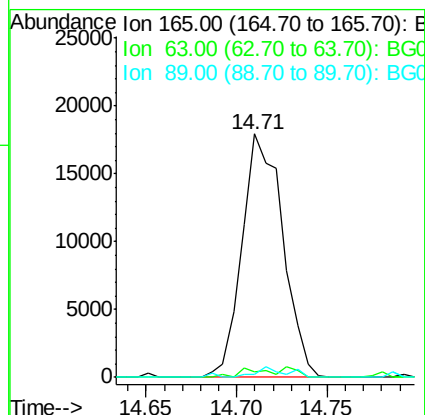
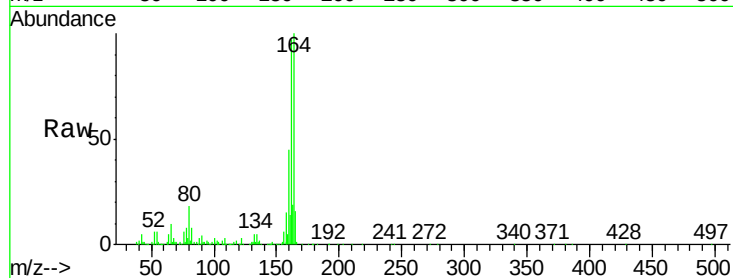




#50
2,6-Dinitrotoluene
Concen: 8.119 ng
RT: 14.71 min Scan# 1944
Delta R.T. 0.42 min
Lab File: BG034112.D
Acq: 2 May 2018 12:28

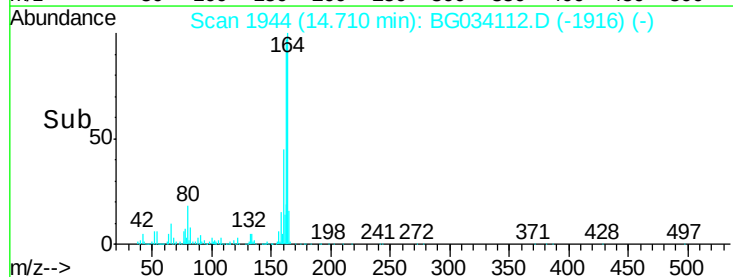
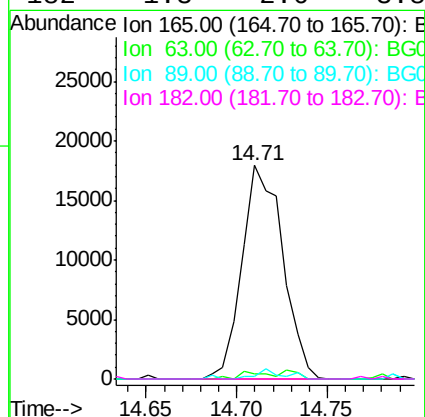
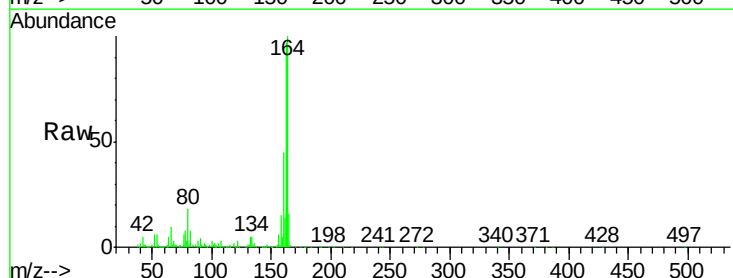
Instrument :
BNA_G
ClientSampleId :

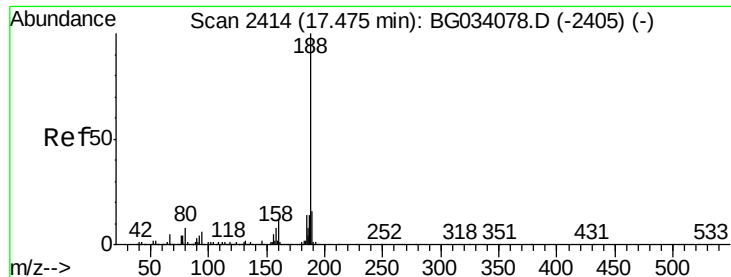
Tot Ion:165 Resp: 28003
Ion Ratio Lower Upper
165 100
63 2.3 52.7 79.1#
89 1.4 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 5.979 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.37 min
Lab File: BG034112.D
Acq: 2 May 2018 12:28

Tgt Ion:165 Resp: 28003
Ion Ratio Lower Upper
165 100
63 2.3 42.0 63.0#
89 1.4 66.9 100.3#
182 1.3 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BG034112.D

Acq: 2 May 2018 12:28

Instrument :

BNA_G

ClientSampleId :

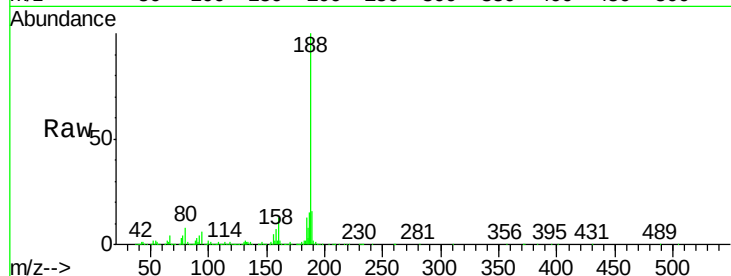
Tot Ion:188 Resp: 552668

Ion Ratio Lower Upper

188 100

94 5.8 6.9 10.3#

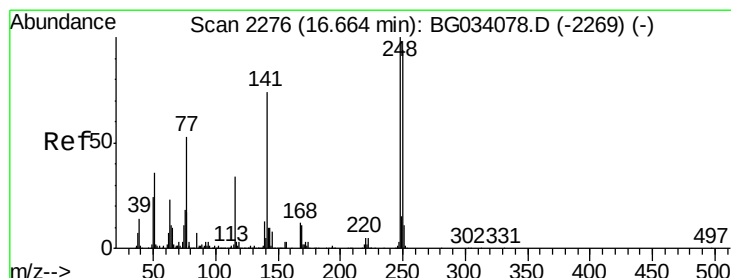
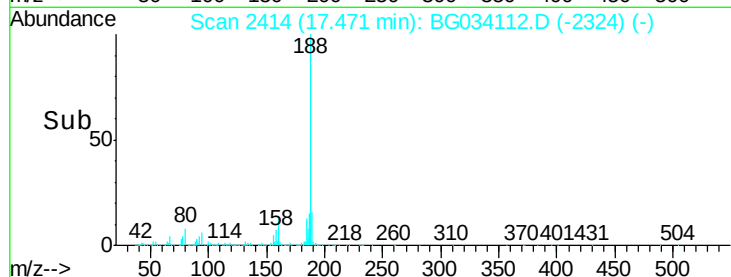
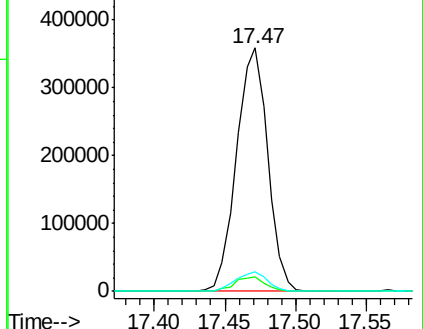
80 8.2 7.7 11.5



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



#66

4-Bromophenyl-phenylether

Concen: 5.497 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.46 min

Lab File: BG034112.D

Acq: 2 May 2018 12:28

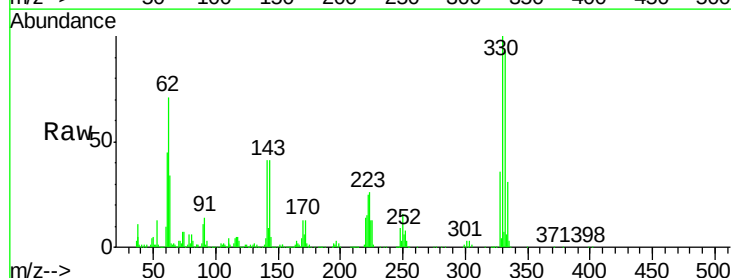
Tgt Ion:248 Resp: 37716

Ion Ratio Lower Upper

248 100

250 175.7 77.1 115.7#

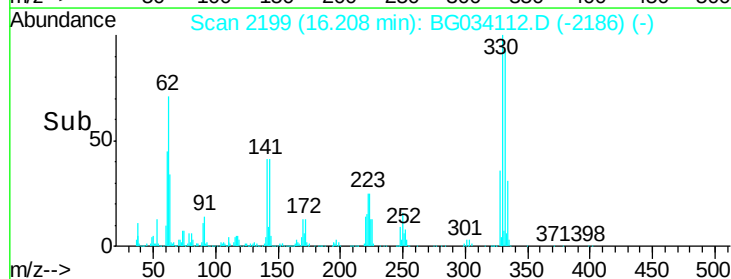
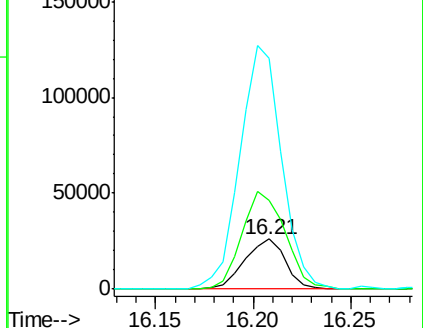
141 460.2 50.8 76.2#

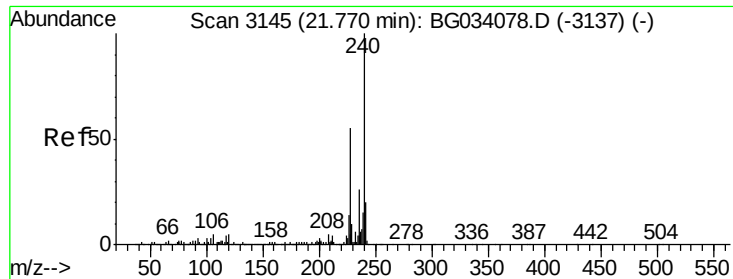


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG034112.D

Acq: 2 May 2018 12:28

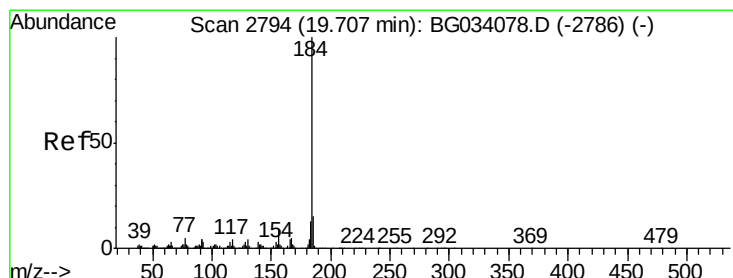
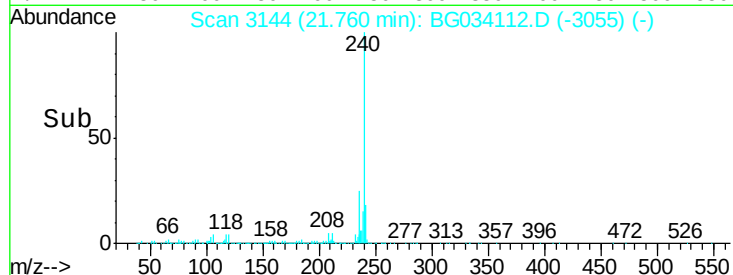
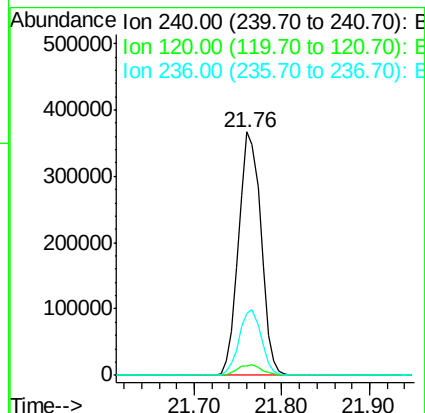
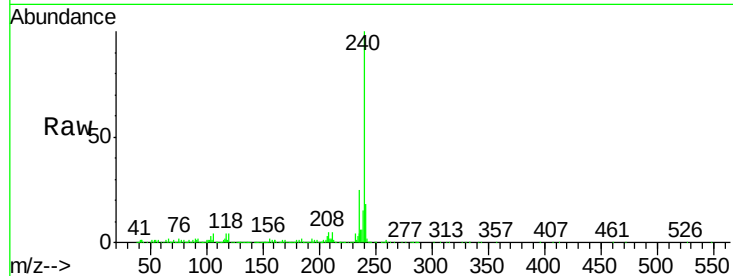
Instrument :

BNA_G

ClientSampled :

Tot Ion:240 Resp: 630237

Ion	Ratio	Lower	Upper
240	100		
120	4.1	6.8	10.2#
236	25.2	20.9	31.3



#76

Benzidine

Concen: 3.860 ng

RT: 20.09 min Scan# 2860

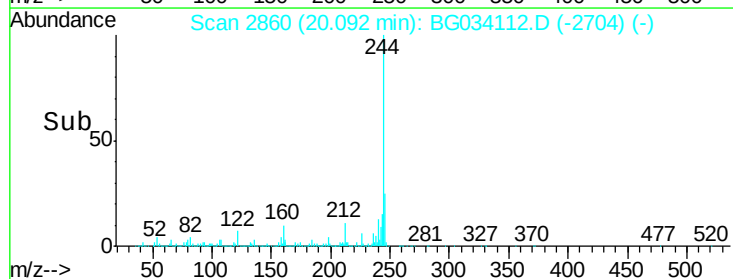
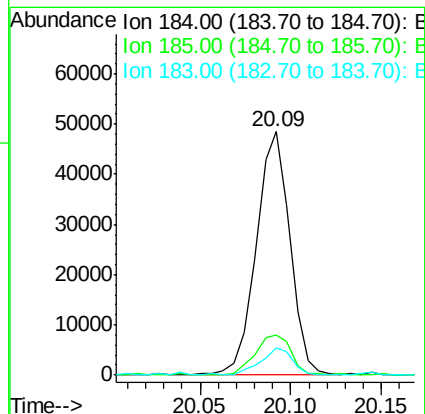
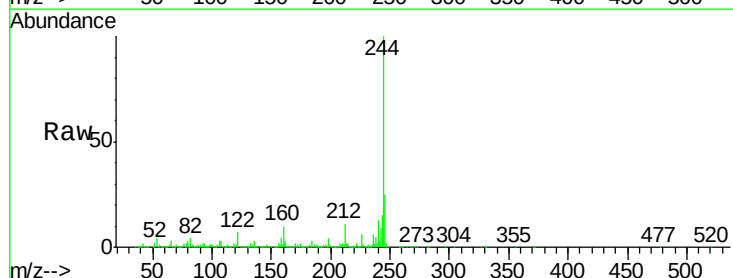
Delta R.T. 0.38 min

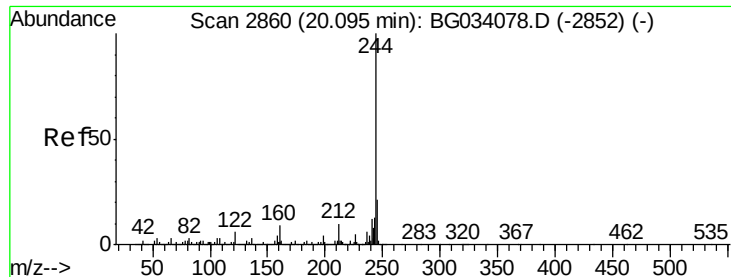
Lab File: BG034112.D

Acq: 2 May 2018 12:28

Tgt Ion:184 Resp: 62670

Ion	Ratio	Lower	Upper
184	100		
185	16.5	11.1	16.7
183	11.1	10.6	16.0





#78

Terphenyl-d14

Concen: 95.050 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BG034112.D

Acq: 2 May 2018 12:28

Instrument :

BNA_G

ClientSampled :

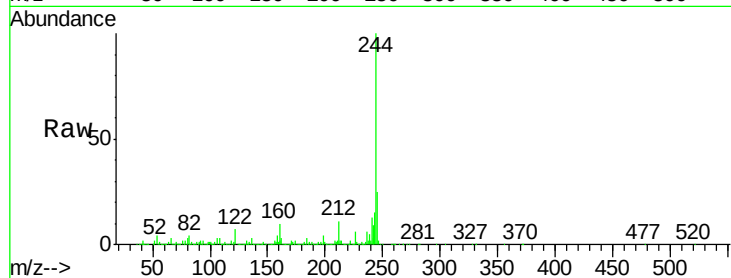
Tot Ion:244 Resp: 2734503

Ion Ratio Lower Upper

244 100

212 10.5 5.8 8.8#

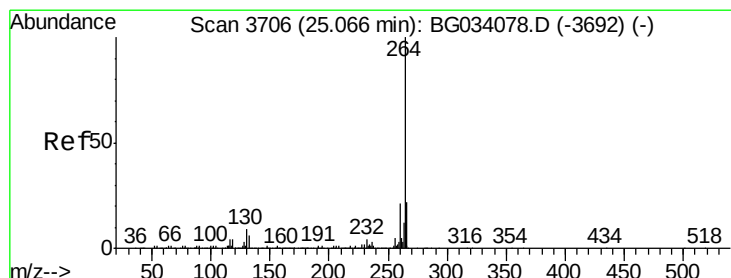
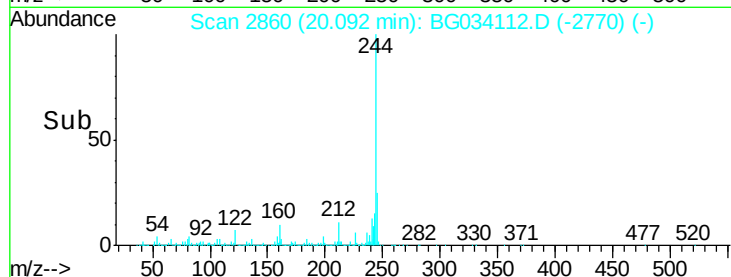
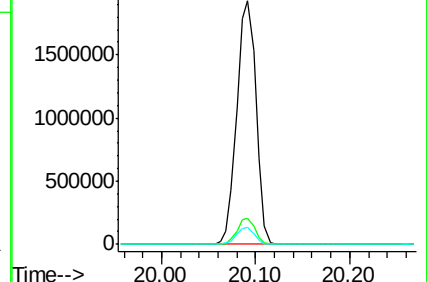
122 6.9 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 25.06 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BG034112.D

Acq: 2 May 2018 12:28

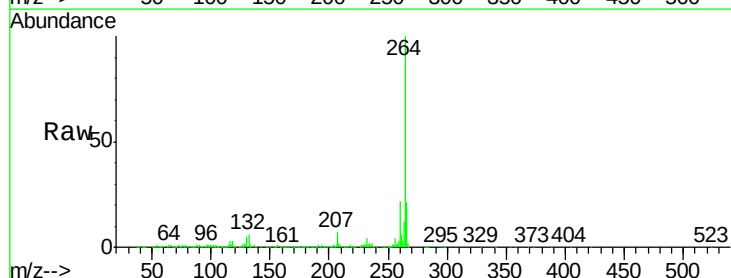
Tgt Ion:264 Resp: 658480

Ion Ratio Lower Upper

264 100

260 22.0 17.4 26.0

265 20.9 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

