

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034121.D
 Acq On : 2 May 2018 18:12
 Operator : SJ/JU
 Sample : PB108725BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 04:45:32 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

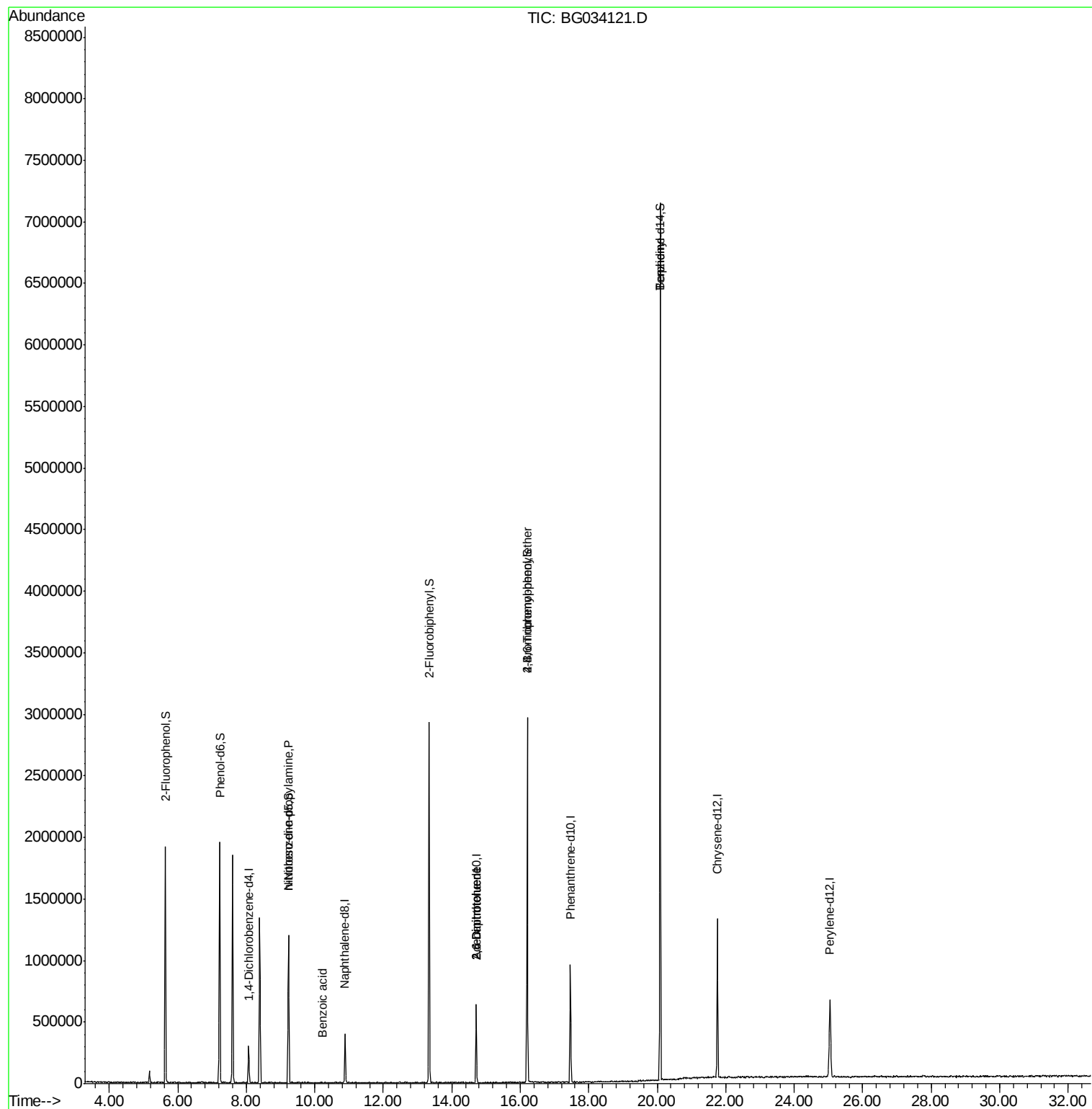
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	73784	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	277735	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	218140	20.00	ng	-0.01
63) Phenanthrene-d10	17.47	188	614674	20.00	ng	0.00
75) Chrysene-d12	21.76	240	759504	20.00	ng	-0.01
86) Perylene-d12	25.05	264	737330	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	679515	148.79	ng	0.00
7) Phenol-d6	7.22	99	990166	139.27	ng	0.00
23) Nitrobenzene-d5	9.23	82	703502	97.19	ng	0.00
41) 2,4,6-Tribromophenol	16.20	330	477425	158.06	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1453152	97.07	ng	0.00
78) Terphenyl-d14	20.09	244	3103994	89.53	ng	0.00
Target Compounds						
9) Benzaldehyde	7.23	77	2919	Below Cal	#	5
19) n-Nitroso-di-n-propylamine	9.23	70	111673	17.49	ng	# 77
32) Benzoic acid	10.21	122	160	3.16	ng	# 34
50) 2,6-Dinitrotoluene	14.72	165	28045	7.72	ng	# 21
56) 2,4-Dinitrotoluene	14.72	165	28045	5.69	ng	# 19
66) 4-Bromophenyl-phenylether	16.20	248	42032	5.51	ng	# 1
76) Benzidine	20.09	184	65834	3.37	ng	# 90

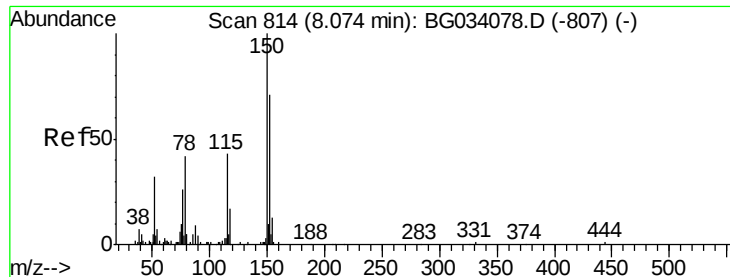
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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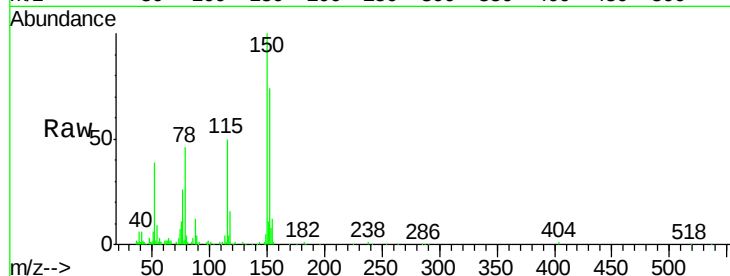


#1

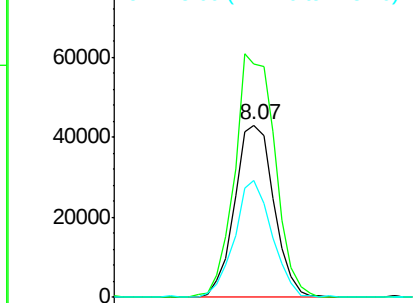
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034121.D
Acq: 2 May 2018 18:12

Instrument :
BNA_G
ClientSampleId :

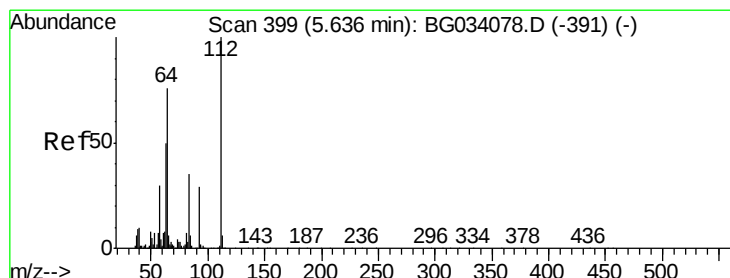
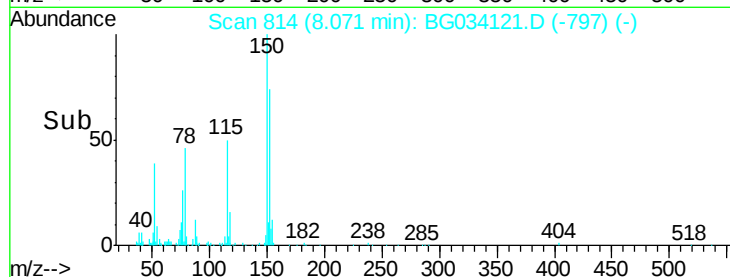
Tot Ion	152	Resp	73784
Ion Ratio	Lower	Upper	
152	100		
150	135.8	126.6	189.8
115	67.7	53.0	79.4



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



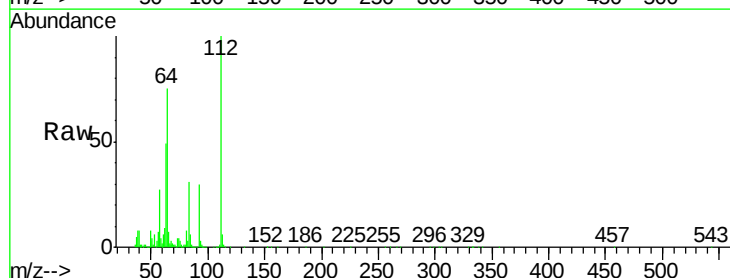
Time-->



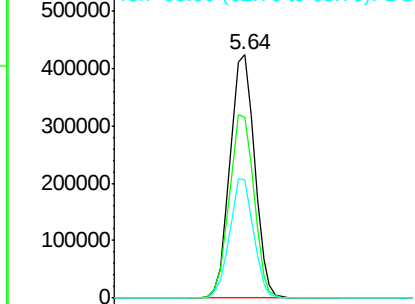
#5

2-Fluorophenol
Concen: 148.79 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG034121.D
Acq: 2 May 2018 18:12

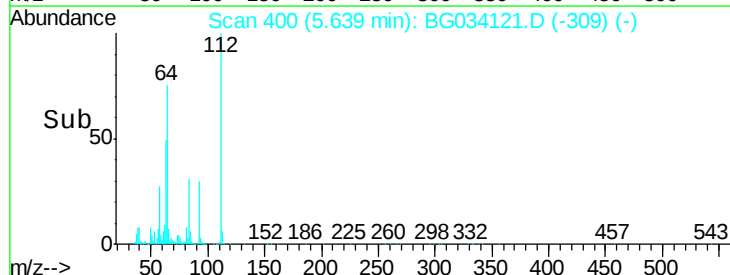
Tgt Ion	112	Resp	679515
Ion Ratio	Lower	Upper	
112	100		
64	74.6	56.3	84.5
63	48.5	30.1	45.1#

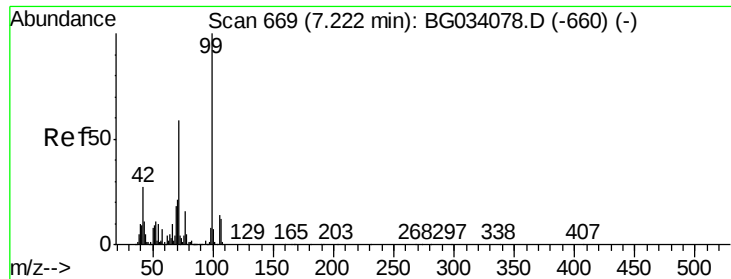


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



Time-->





#7

Phenol-d6

Concen: 139.27 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034121.D

Acq: 2 May 2018 18:12

Instrument :

BNA_G

ClientSampleId :

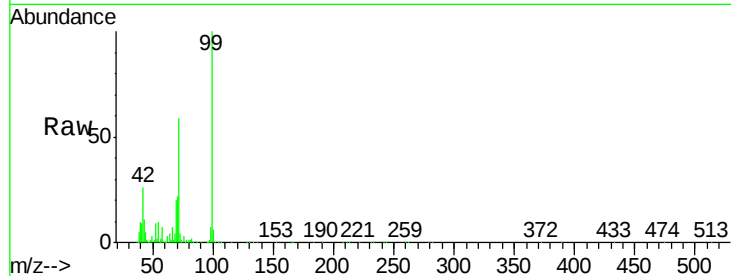
Tot Ion: 99 Resp: 990166

Ion Ratio Lower Upper

99 100

42 25.8 14.1 21.1#

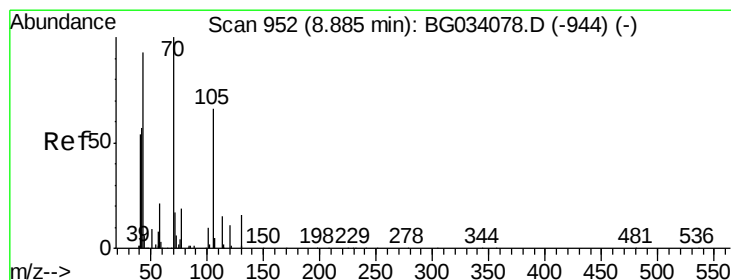
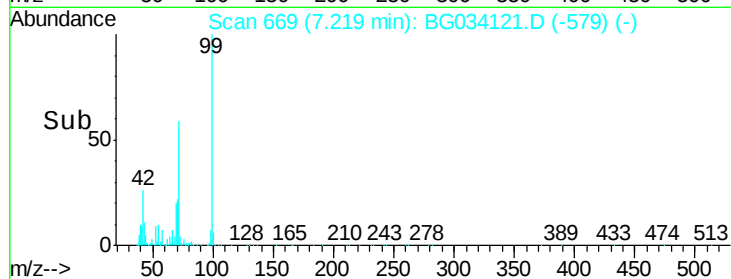
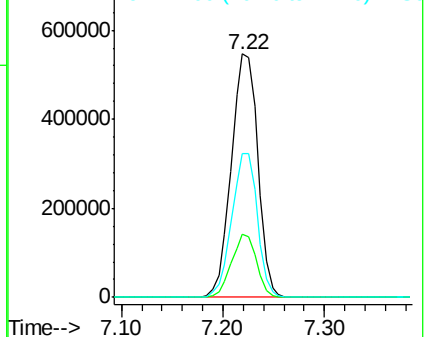
71 58.9 26.1 39.1#



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: 17.49 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.35 min

Lab File: BG034121.D

Acq: 2 May 2018 18:12

Tgt Ion: 70 Resp: 111673

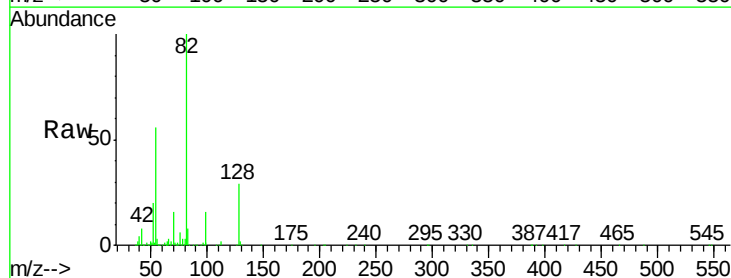
Ion Ratio Lower Upper

70 100

42 47.1 49.1 73.7#

101 0.0 8.5 12.7#

130 1.3 13.4 20.0#

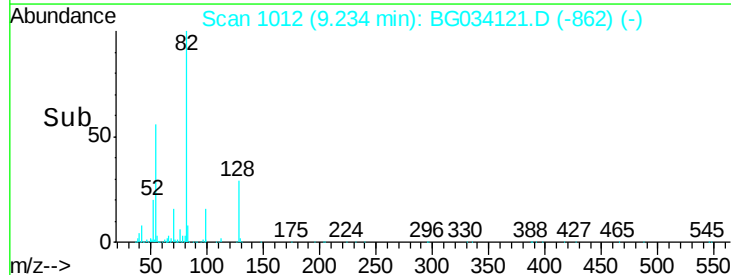
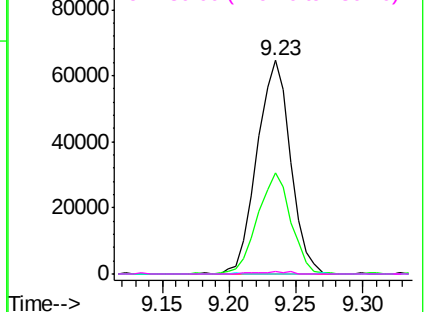


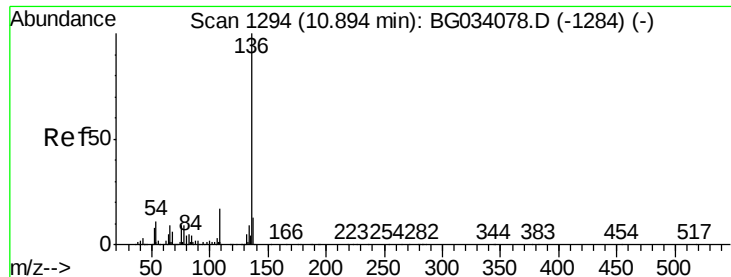
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

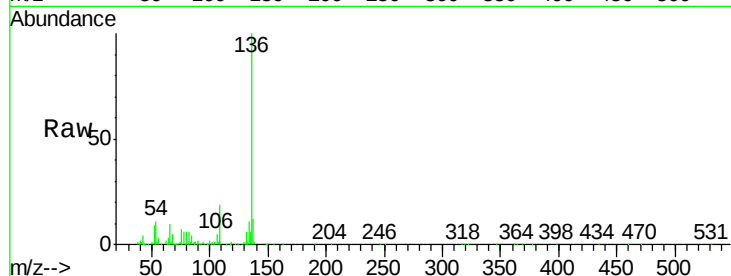




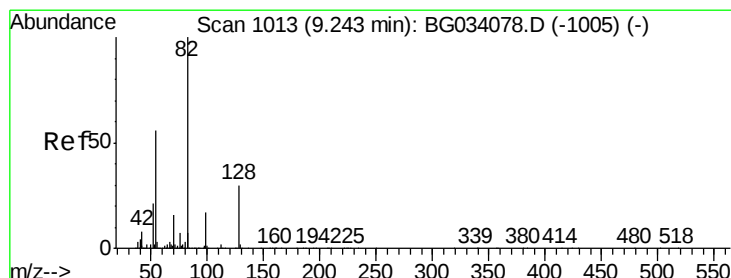
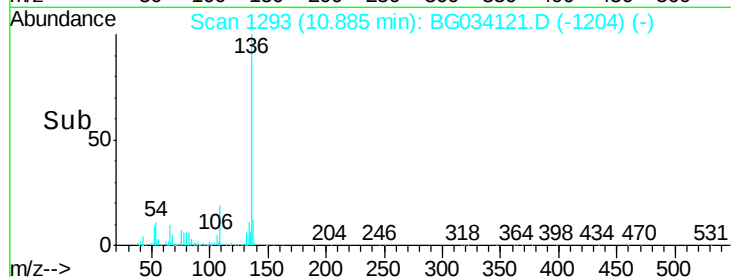
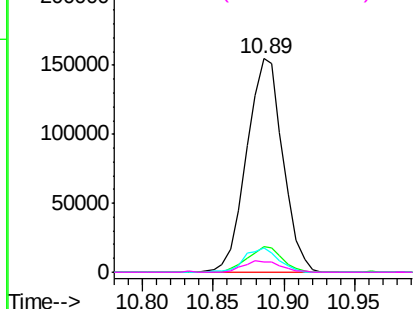
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034121.D
Acq: 2 May 2018 18:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	277735
Ion Ratio	Lower	Upper
136 100		
137 12.0	9.2	13.8
54 11.2	10.3	15.5
68 5.1	4.5	6.7

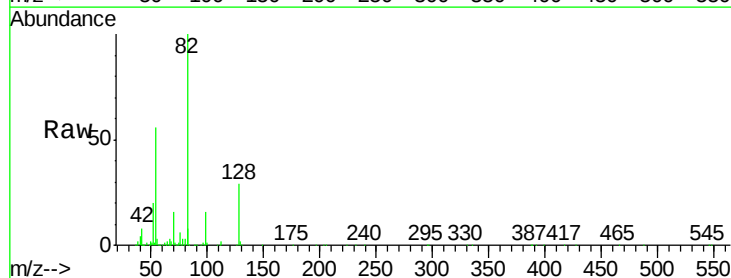


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

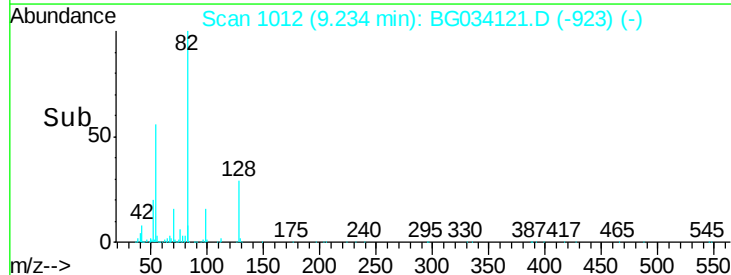
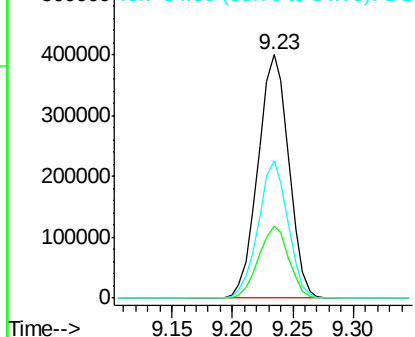


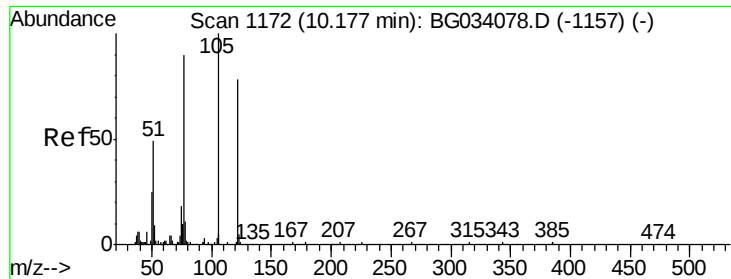
#23
Nitrobenzene-d5
Concen: 97.19 ng
RT: 9.23 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034121.D
Acq: 2 May 2018 18:12

Tgt Ion: 82	Resp: 703502
Ion Ratio	Lower Upper
82 100	
128 29.4	29.7 44.5#
54 56.2	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

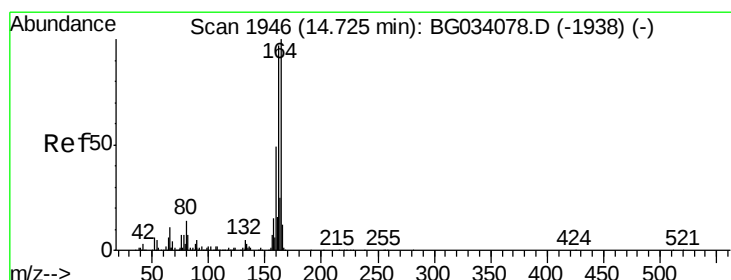
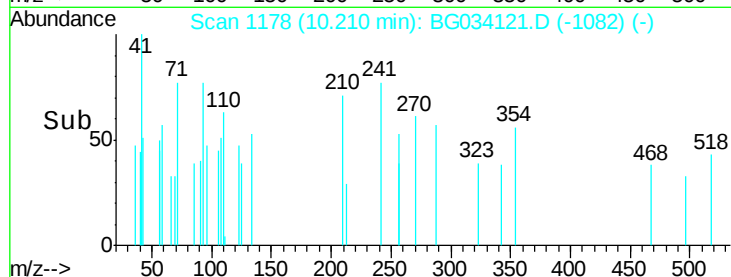
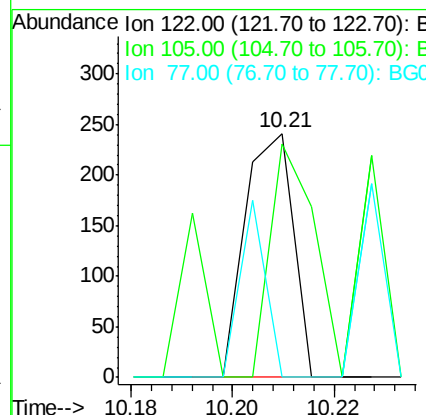
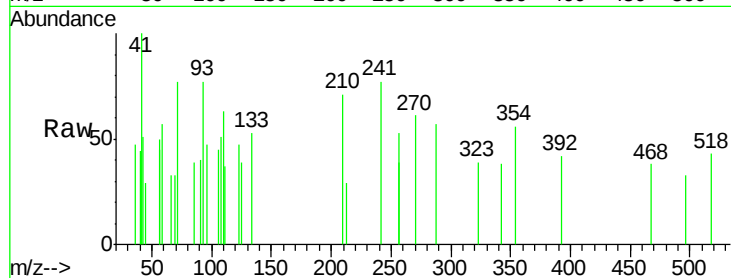




#32
Benzoic acid
Concen: 3.16 ng
RT: 10.21 min Scan# 1178
Delta R.T. 0.03 min
Lab File: BG034121.D
Acq: 2 May 2018 18:12

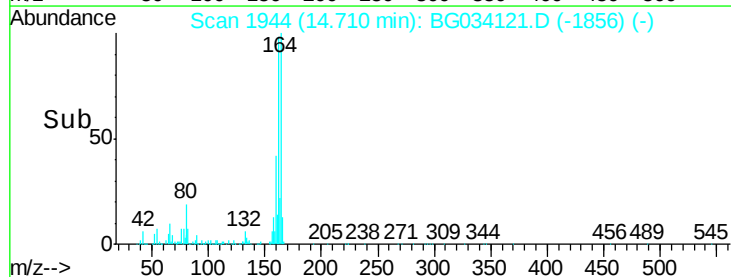
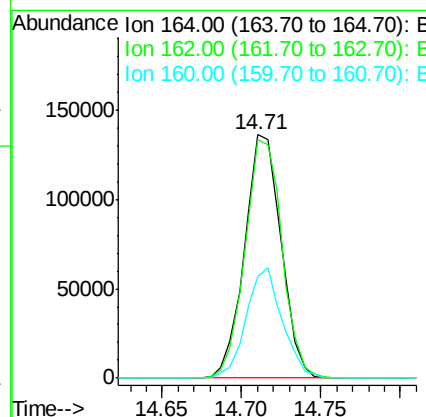
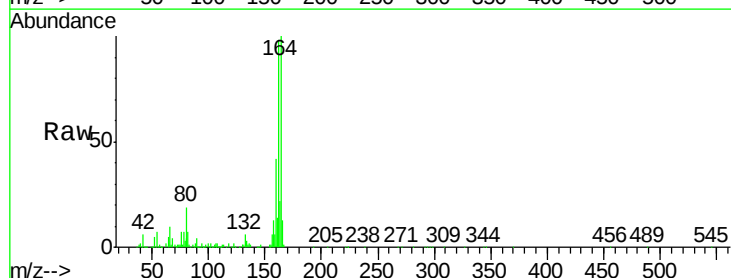
Instrument :
BNA_G
ClientSampleId :

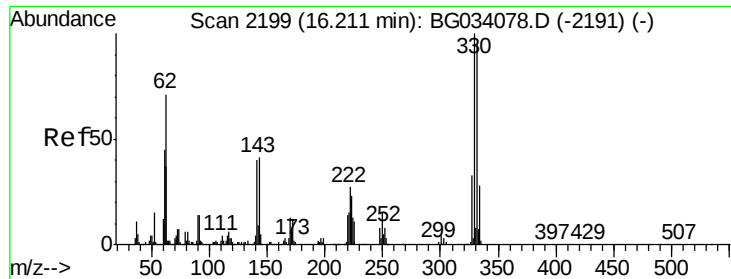
Tot Ion:122 Resp: 160
Ion Ratio Lower Upper
122 100
105 95.9 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG034121.D
Acq: 2 May 2018 18:12

Tgt Ion:164 Resp: 218140
Ion Ratio Lower Upper
164 100
162 98.2 78.8 118.2
160 41.8 35.4 53.0

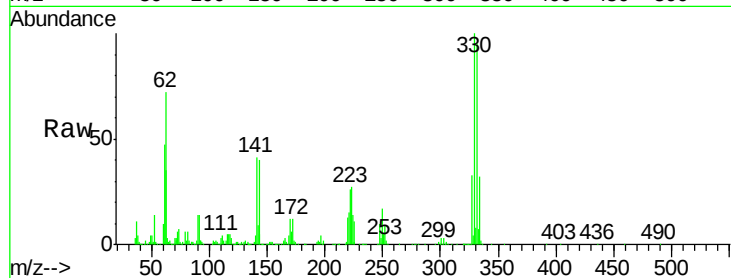




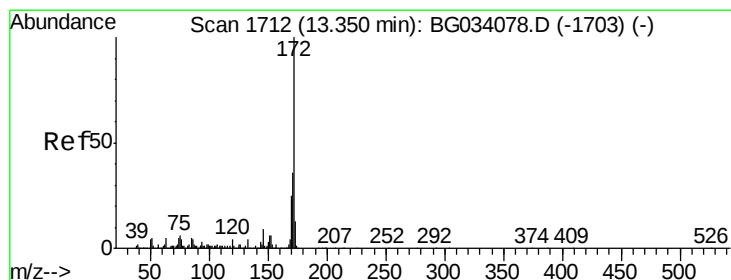
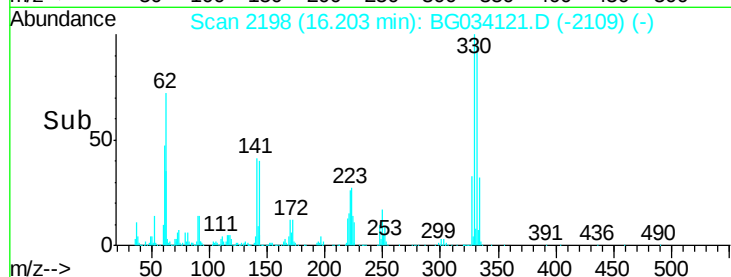
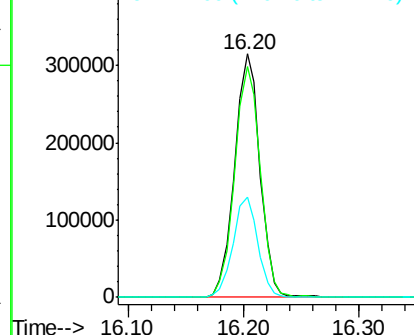
#41
 2,4,6-Tribromophenol
 Concen: 158.06 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034121.D
 Acq: 2 May 2018 18:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 477425
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 40.8 25.2 37.8#

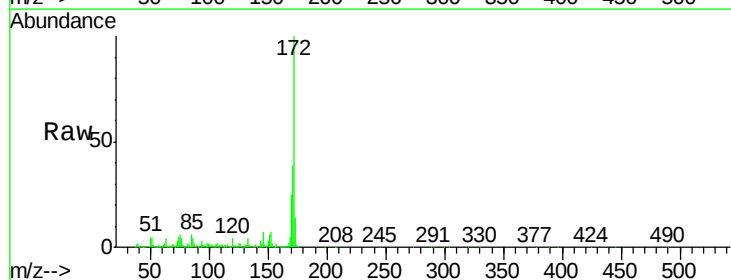


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

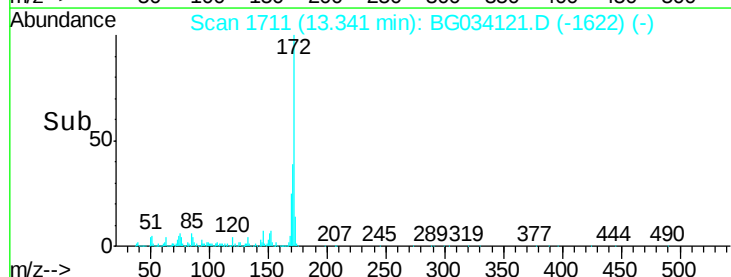
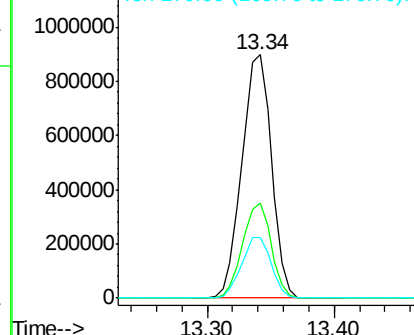


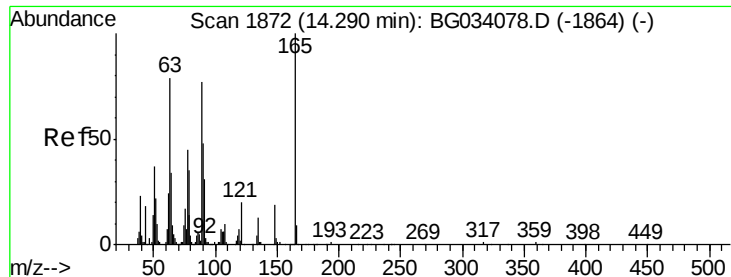
#44
 2-Fluorobiphenyl
 Concen: 97.07 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG034121.D
 Acq: 2 May 2018 18:12

Tgt Ion:172 Resp: 1453152
 Ion Ratio Lower Upper
 172 100
 171 39.1 30.0 45.0
 170 25.0 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

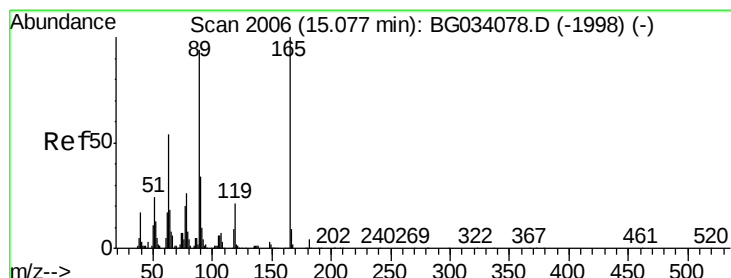
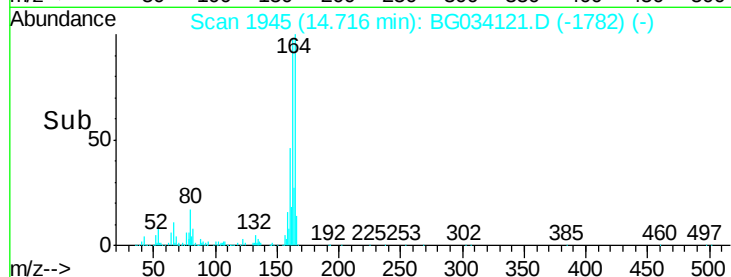
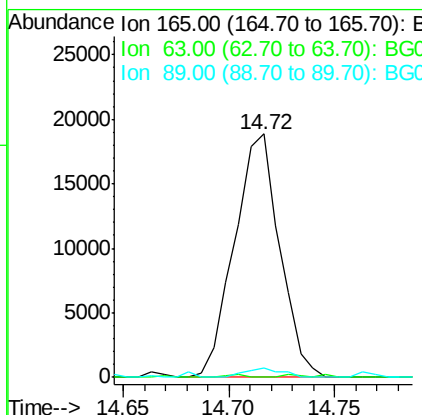
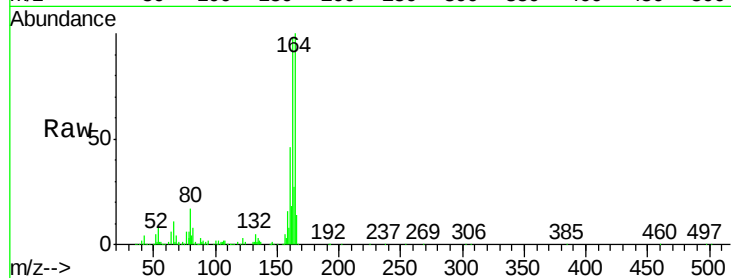




#50
2,6-Dinitrotoluene
Concen: 7.72 ng
RT: 14.72 min Scan# 1945
Delta R.T. 0.43 min
Lab File: BG034121.D
Acq: 2 May 2018 18:12

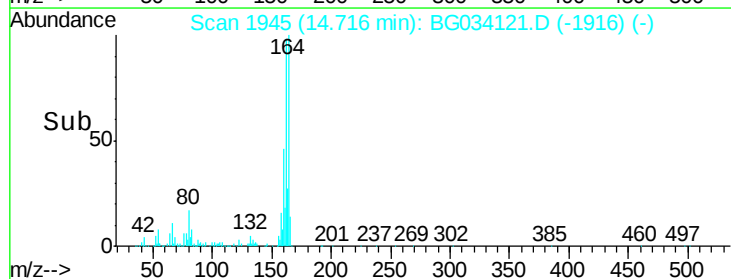
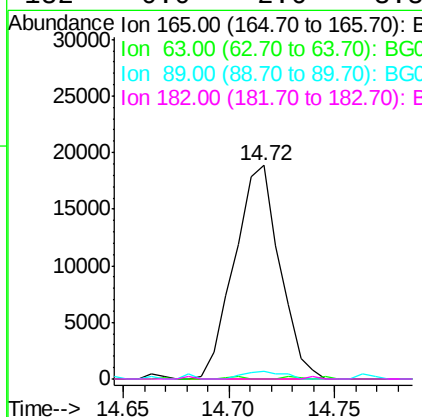
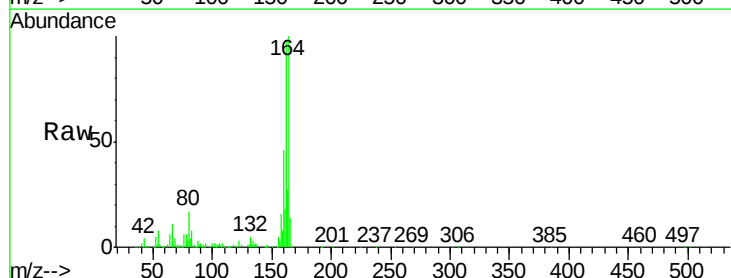
Instrument :
BNA_G
ClientSampleId :

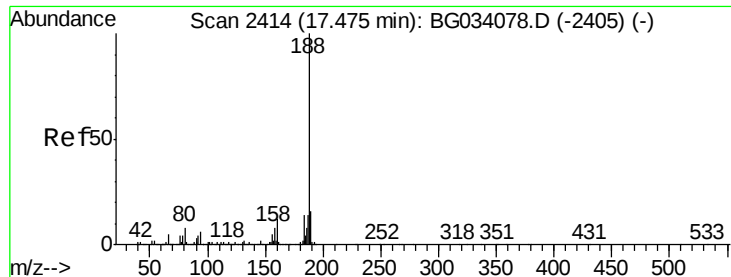
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.9	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 5.69 ng
RT: 14.72 min Scan# 1945
Delta R.T. -0.36 min
Lab File: BG034121.D
Acq: 2 May 2018 18:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.9	66.9	100.3#
182	0.0	2.6	3.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG034121.D

Acq: 2 May 2018 18:12

Instrument :

BNA_G

ClientSampled :

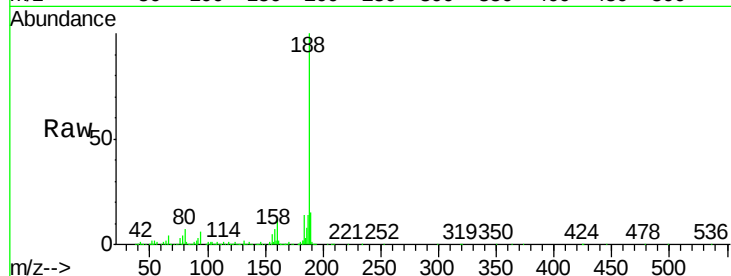
Tot Ion:188 Resp: 614674

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

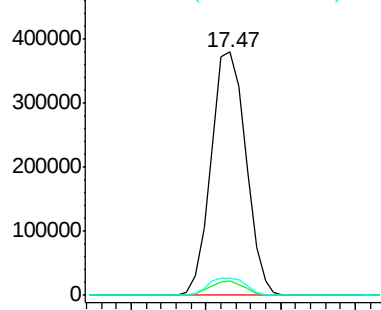
80 7.1 7.7 11.5#



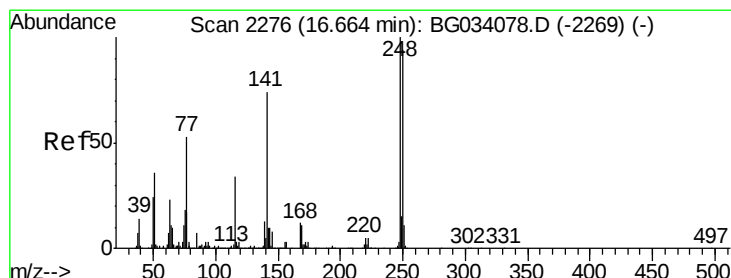
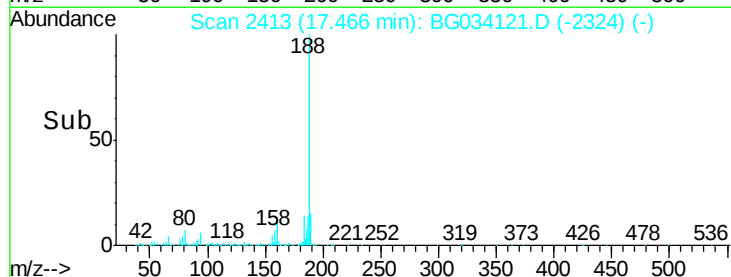
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#66

4-Bromophenyl-phenylether

Concen: 5.51 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.46 min

Lab File: BG034121.D

Acq: 2 May 2018 18:12

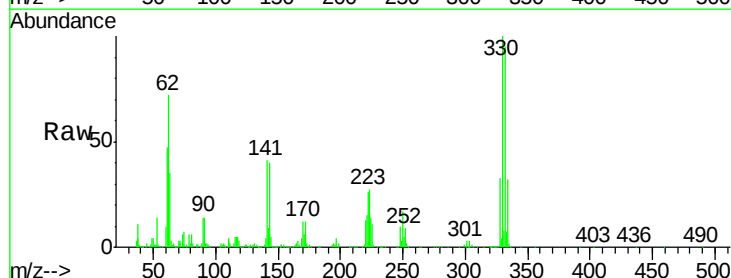
Tgt Ion:248 Resp: 42032

Ion Ratio Lower Upper

248 100

250 176.1 77.1 115.7#

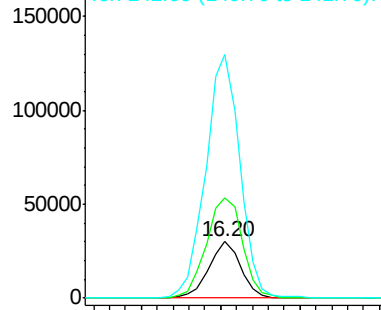
141 429.6 50.8 76.2#



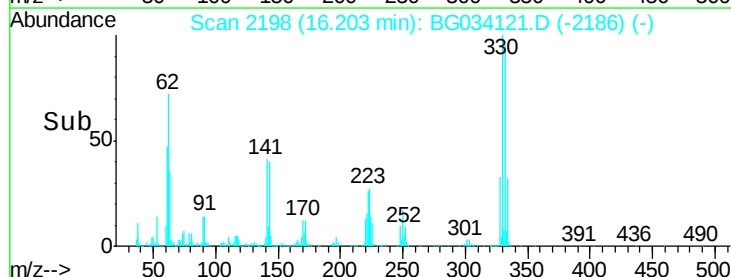
Abundance Ion 248.00 (247.70 to 248.70): E

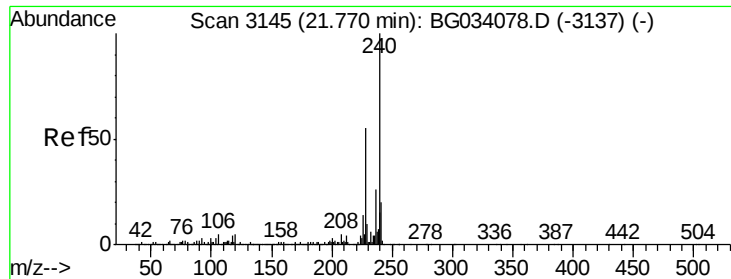
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG034121.D

Acq: 2 May 2018 18:12

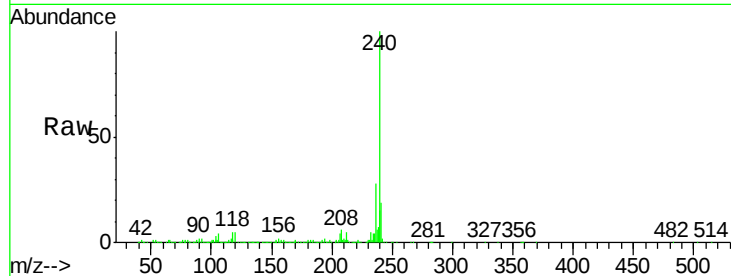
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 759504

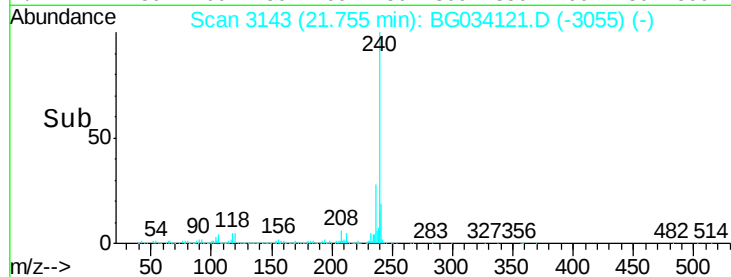
Ion	Ratio	Lower	Upper
240	100		
120	5.1	6.8	10.2#
236	28.3	20.9	31.3



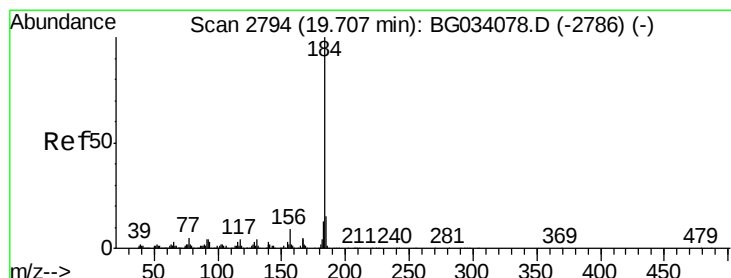
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 3.37 ng

RT: 20.09 min Scan# 2859

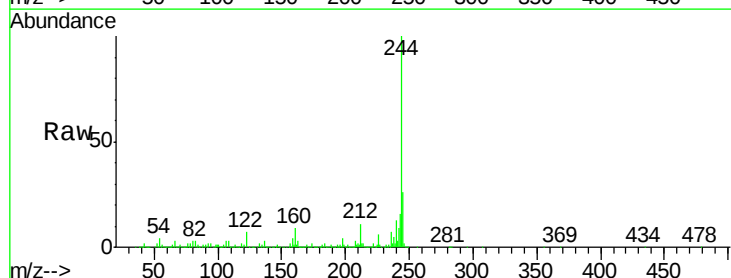
Delta R.T. 0.38 min

Lab File: BG034121.D

Acq: 2 May 2018 18:12

Tgt Ion:184 Resp: 65834

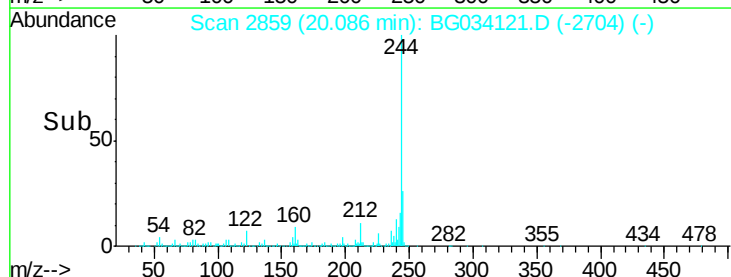
Ion	Ratio	Lower	Upper
184	100		
185	19.2	11.1	16.7#
183	10.9	10.6	16.0



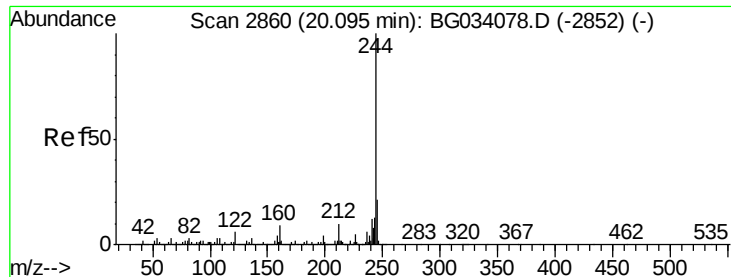
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#78

Terphenyl-d14

Concen: 89.53 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG034121.D

Acq: 2 May 2018 18:12

Instrument :

BNA_G

ClientSampleId :

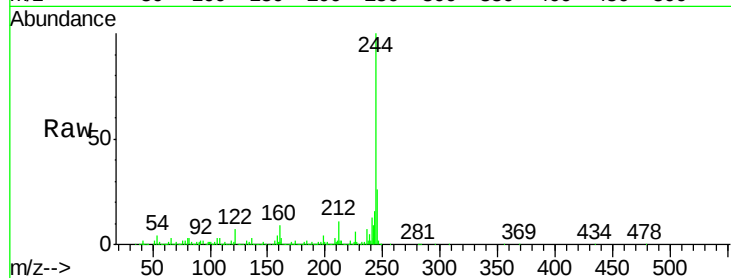
Tot Ion:244 Resp: 3103994

Ion	Ratio	Lower	Upper
244	100		
212	11.4	5.8	8.8#
122	6.8	7.0	10.4#

244 100

212 11.4 5.8 8.8#

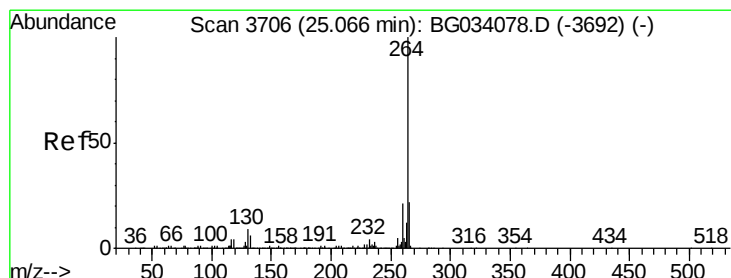
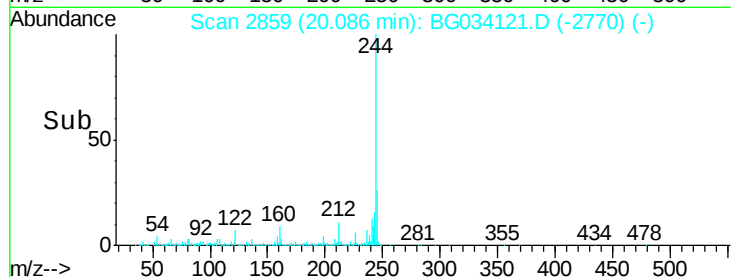
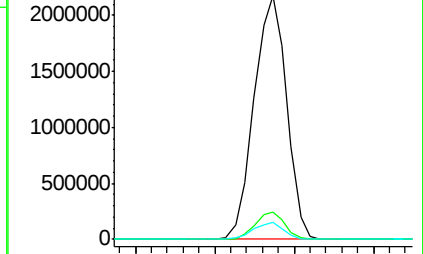
122 6.8 7.0 10.4#



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: 20.00 ng

RT: 25.05 min Scan# 3703

Delta R.T. -0.02 min

Lab File: BG034121.D

Acq: 2 May 2018 18:12

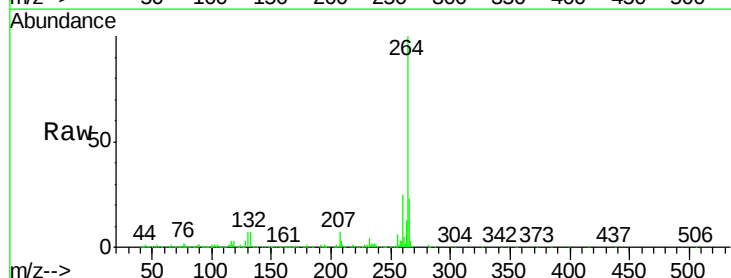
Tgt Ion:264 Resp: 737330

Ion	Ratio	Lower	Upper
264	100		
260	24.7	17.4	26.0
265	22.5	17.7	26.5

264 100

260 24.7 17.4 26.0

265 22.5 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

