

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034140.D
 Acq On : 3 May 2018 7:36
 Operator : SJ/JU
 Sample : J2652-24
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 08:14:56 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

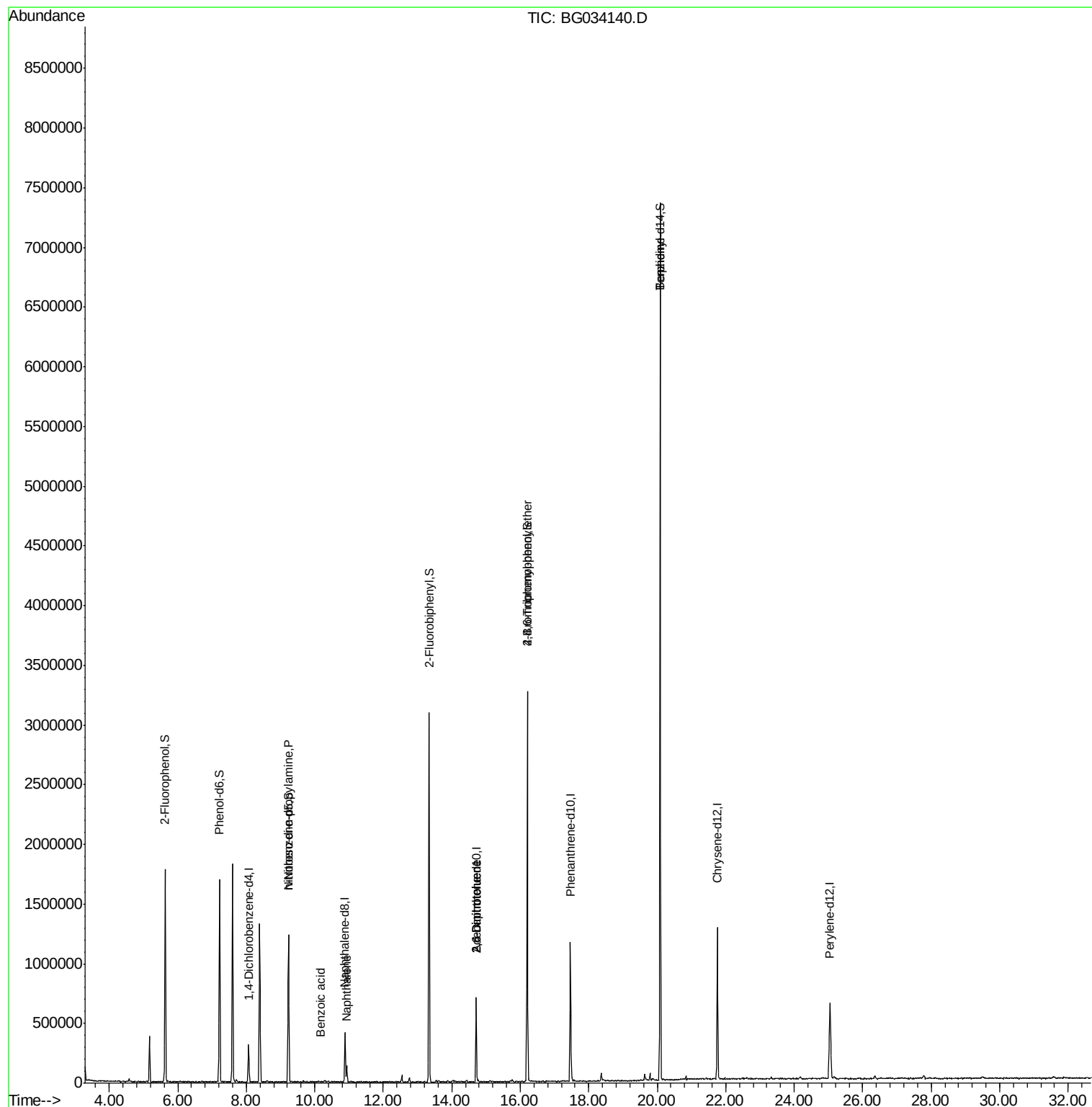
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	76896	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	295492	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	235952	20.00	ng	-0.01
63) Phenanthrene-d10	17.47	188	683594	20.00	ng	0.00
75) Chrysene-d12	21.75	240	761051	20.00	ng	-0.01
86) Perylene-d12	25.05	264	752556	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	615582	129.34	ng	0.00
7) Phenol-d6	7.22	99	818532	110.47	ng	0.00
23) Nitrobenzene-d5	9.23	82	740039	96.09	ng	0.00
41) 2,4,6-Tribromophenol	16.20	330	532693	163.04	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1530197	94.50	ng	0.00
78) Terphenyl-d14	20.09	244	3104148	89.35	ng	0.00
Target Compounds						
9) Benzaldehyde	7.22	77	2351	Below Cal	#	51
19) n-Nitroso-di-n-propylamine	9.23	70	116898	17.57	ng	# 72
31) Naphthalene	10.93	128	95303	6.14	ng	# 97
32) Benzoic acid	10.18	122	296	3.19	ng	# 20
50) 2,6-Dinitrotoluene	14.71	165	29347	7.47	ng	# 21
56) 2,4-Dinitrotoluene	14.71	165	29347	5.50	ng	# 19
66) 4-Bromophenyl-phenylether	16.20	248	46393	5.47	ng	# 1
76) Benzidine	20.09	184	69062	3.52	ng	# 94

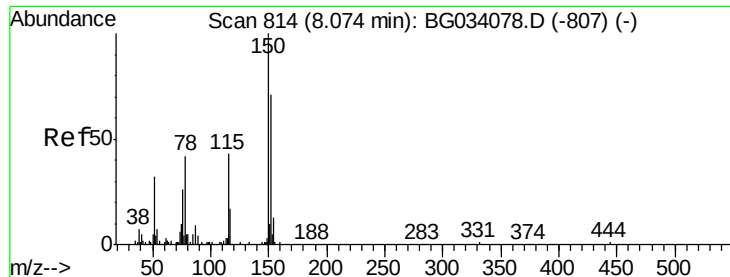
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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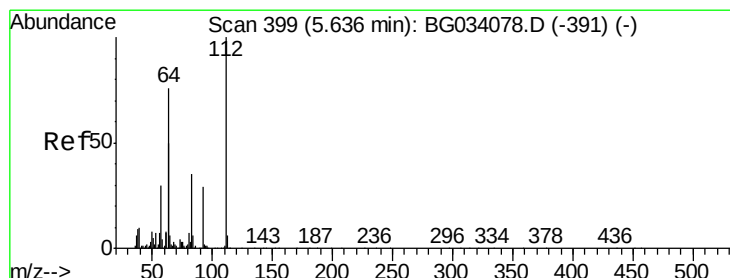
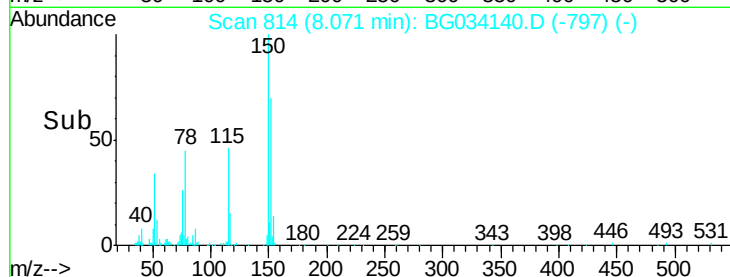
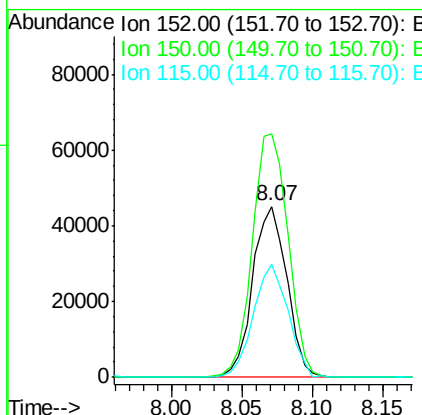
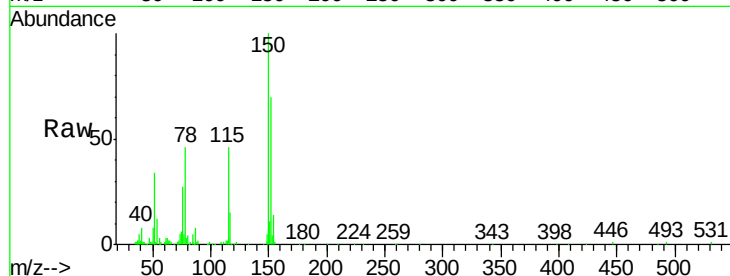


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034140.D
Acq: 3 May 2018 7:36

Instrument :
BNA_G
ClientSampleId :

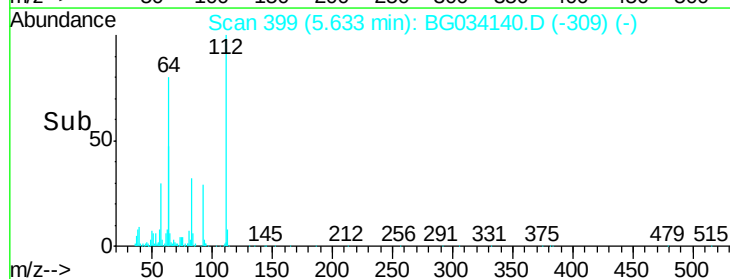
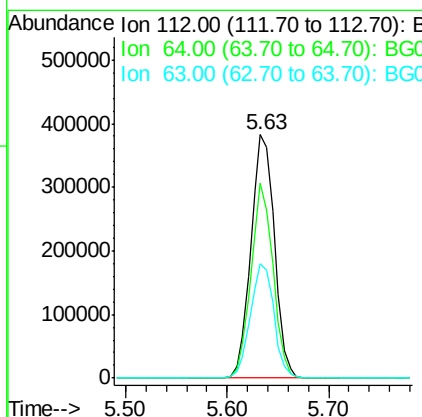
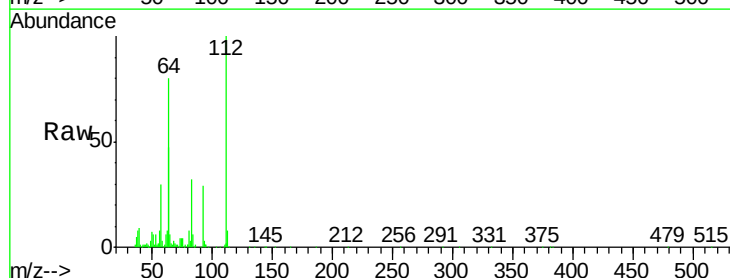
Tot Ion	Ratio	Lower	Upper
152	100		
150	142.2	126.6	189.8
115	65.8	53.0	79.4

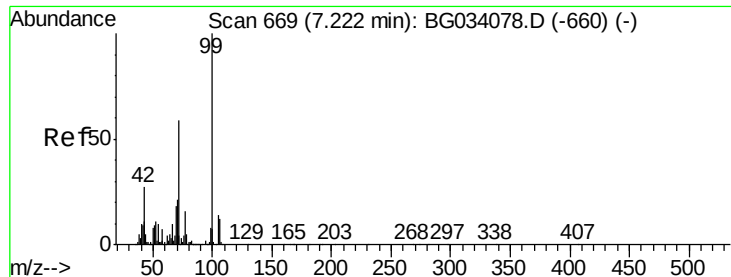


#5

2-Fluorophenol
Concen: 129.34 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG034140.D
Acq: 3 May 2018 7:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	80.2	56.3	84.5
63	47.1	30.1	45.1





#7

Phenol-d6

Concen: 110.47 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034140.D

Acq: 3 May 2018 7:36

Instrument :

BNA_G

ClientSampleId :

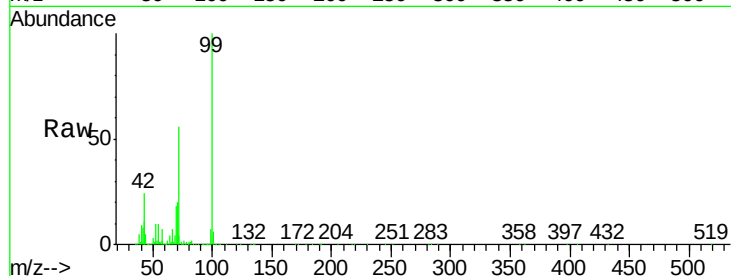
Tot Ion: 99 Resp: 818532

Ion Ratio Lower Upper

99 100

42 23.5 14.1 21.1#

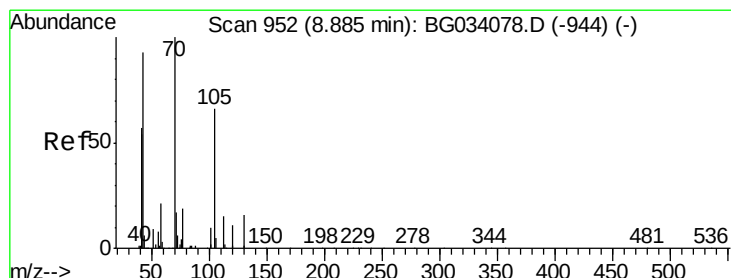
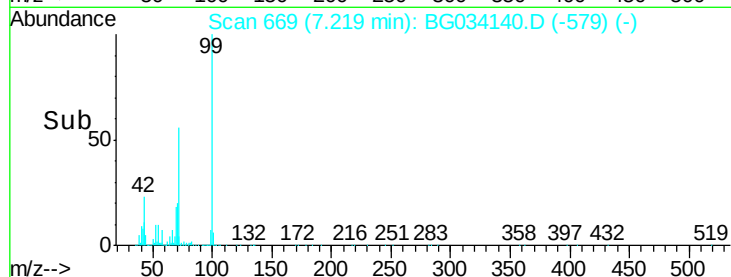
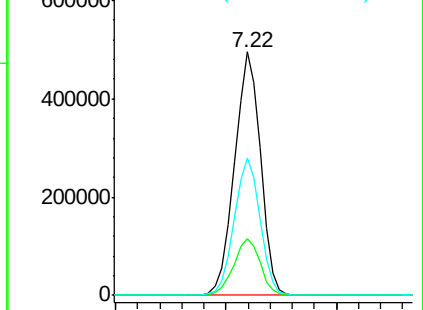
71 56.2 26.1 39.1#



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: 17.57 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.35 min

Lab File: BG034140.D

Acq: 3 May 2018 7:36

Tgt Ion: 70 Resp: 116898

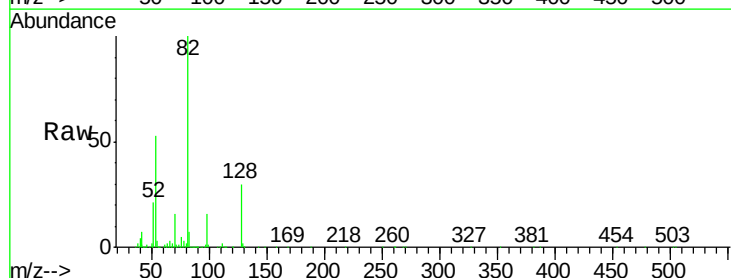
Ion Ratio Lower Upper

70 100

42 42.0 49.1 73.7#

101 0.0 8.5 12.7#

130 1.2 13.4 20.0#

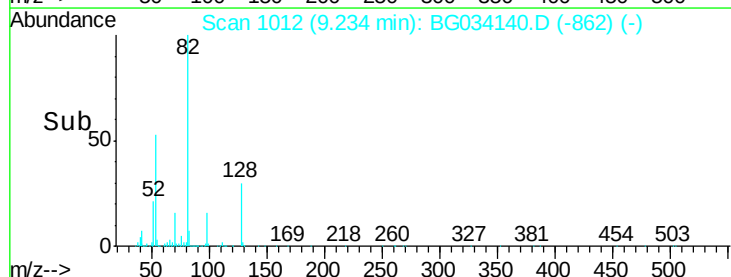
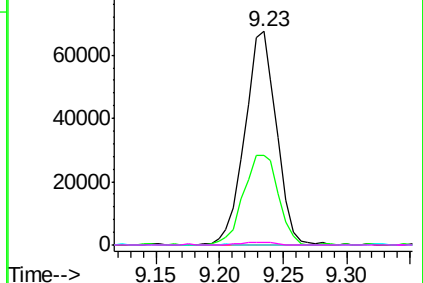


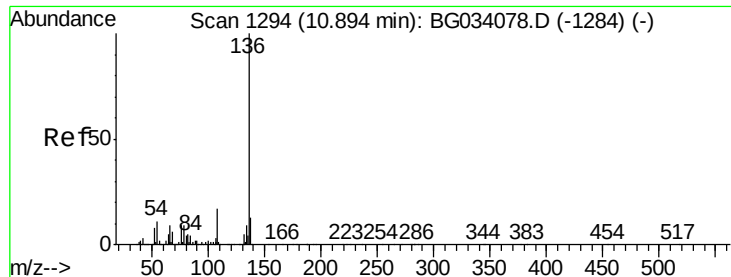
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG034140.D

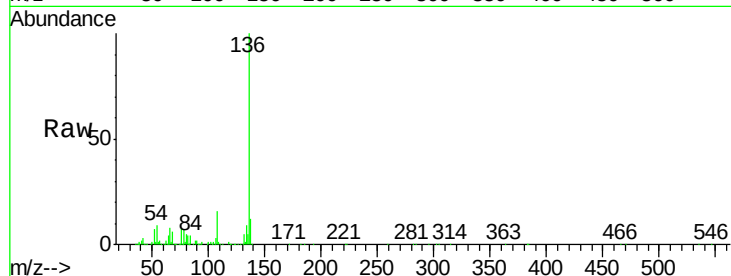
Acq: 3 May 2018 7:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	295492
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.2 13.8
54	8.7	10.3 15.5
68	6.4	4.5 6.7

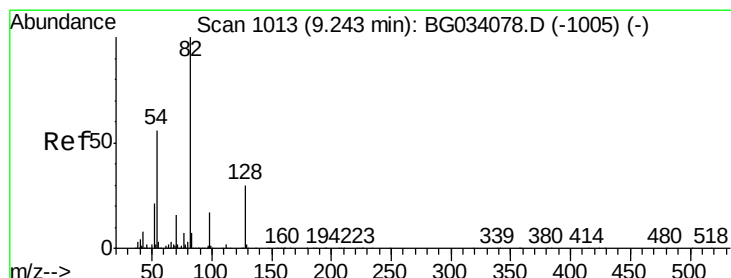
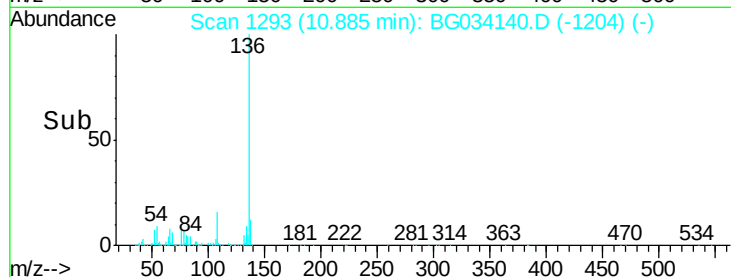
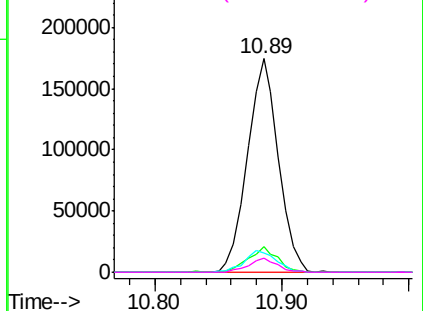


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.09 ng

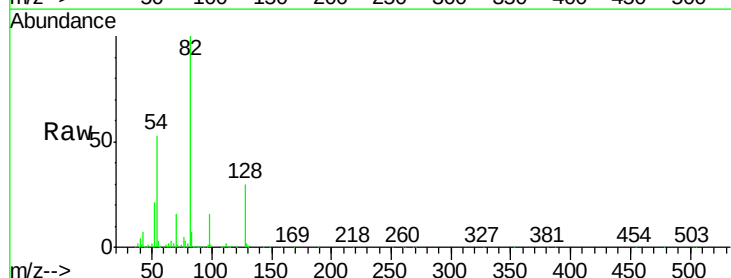
RT: 9.23 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BG034140.D

Acq: 3 May 2018 7:36

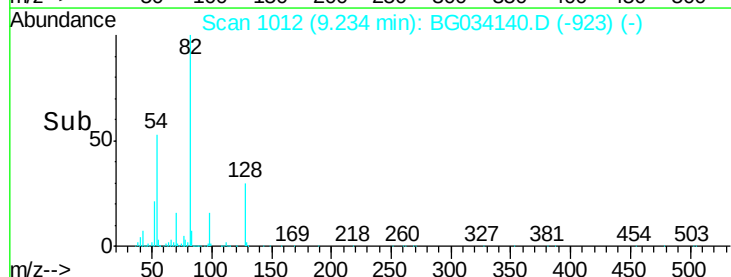
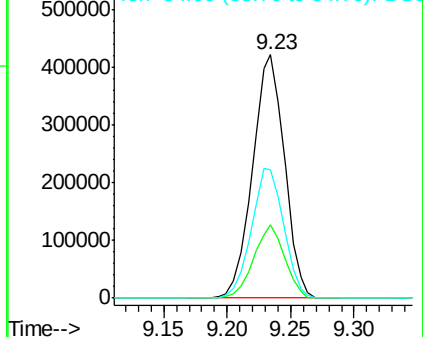
Tgt Ion: 82	Resp:	740039
Ion Ratio	Lower	Upper
82	100	
128	30.1	29.7 44.5
54	52.8	43.1 64.7

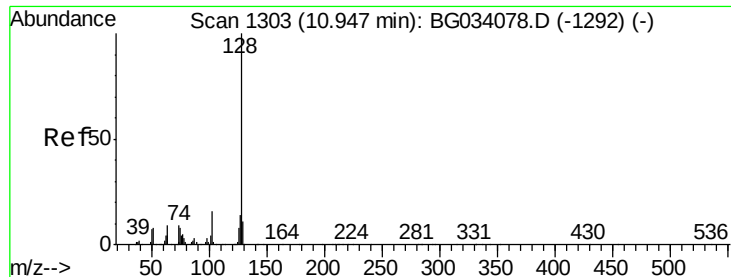


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

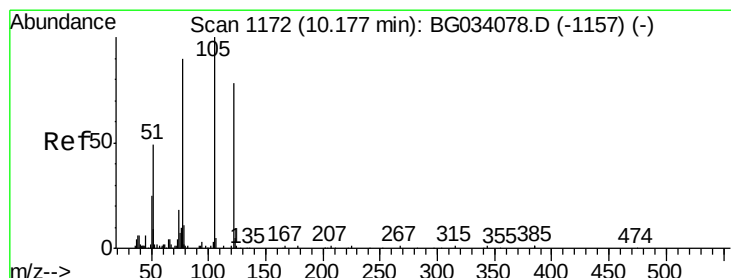
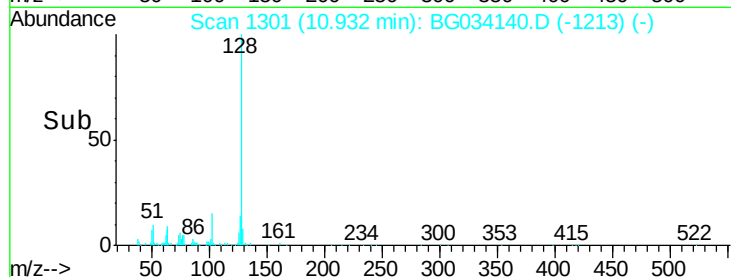
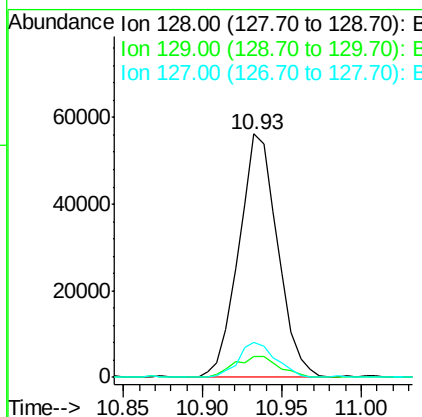
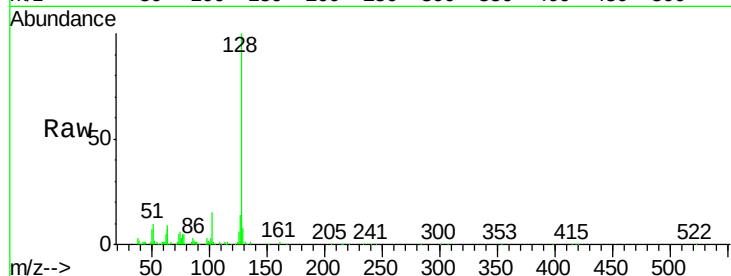




#31
Naphthalene
Concen: 6.14 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BG034140.D
Acq: 3 May 2018 7:36

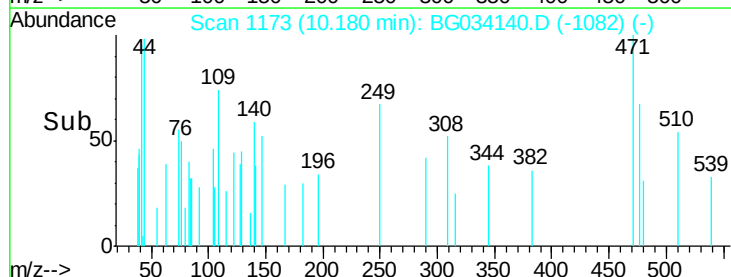
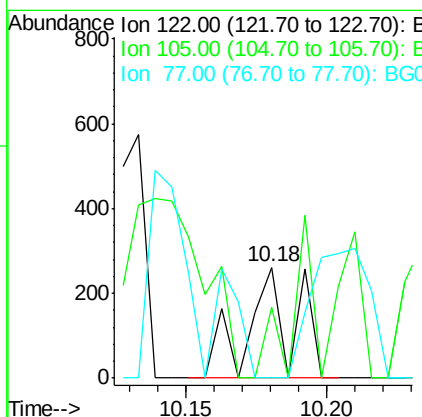
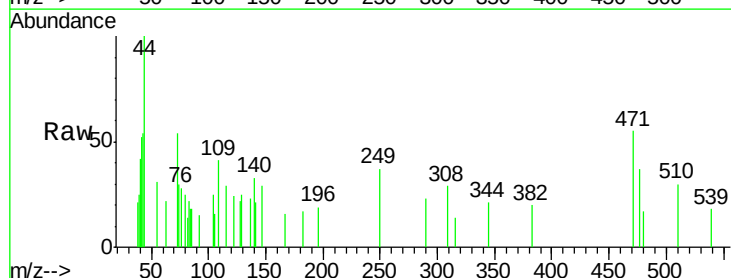
Instrument :
BNA_G
ClientSampleId :

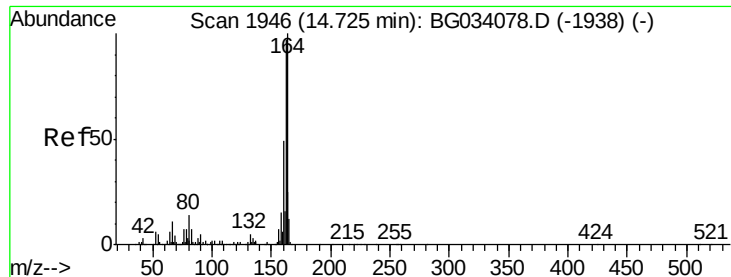
Tot Ion	Ratio	Lower	Upper
128	100		
129	8.4	8.6	12.8#
127	14.1	11.6	17.4



#32
Benzoic acid
Concen: 3.19 ng
RT: 10.18 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BG034140.D
Acq: 3 May 2018 7:36

Tgt Ion	Ratio	Lower	Upper
122	100		
105	64.1	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: BG034140.D

Acq: 3 May 2018 7:36

Instrument :

BNA_G

ClientSampleId :

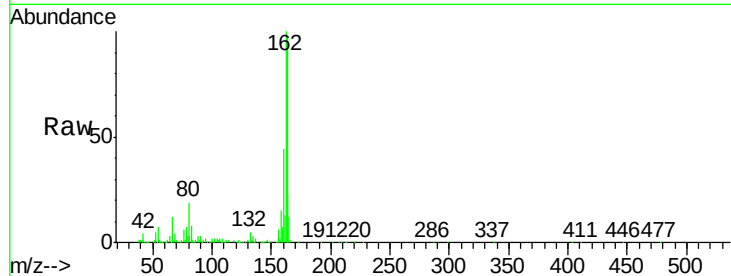
Tot Ion:164 Resp: 235952

Ion Ratio Lower Upper

164 100

162 103.3 78.8 118.2

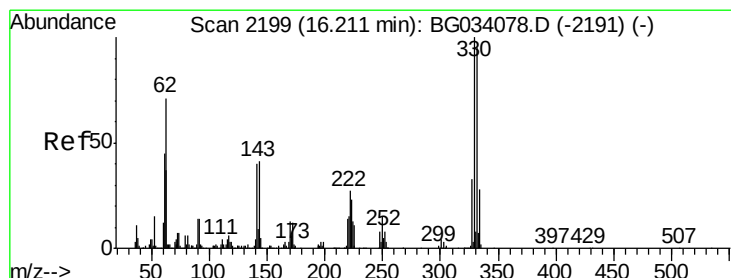
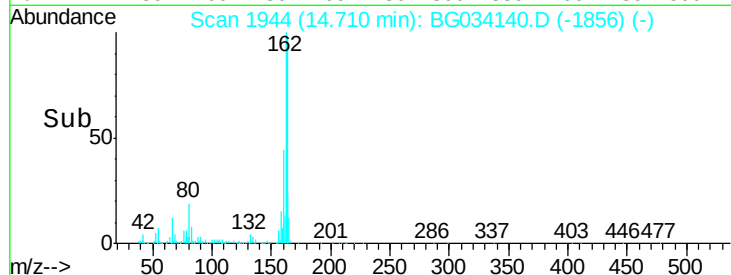
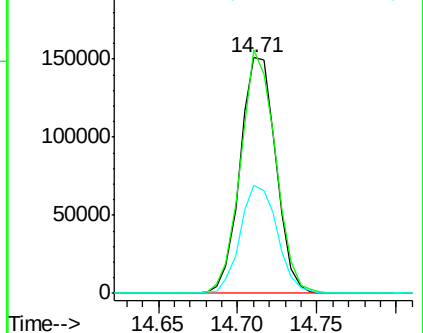
160 45.9 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 163.04 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG034140.D

Acq: 3 May 2018 7:36

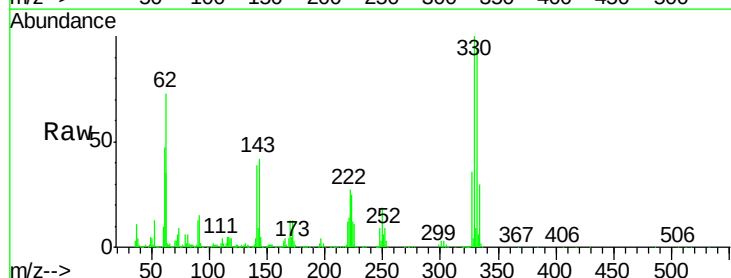
Tgt Ion:330 Resp: 532693

Ion Ratio Lower Upper

330 100

332 94.4 77.0 115.6

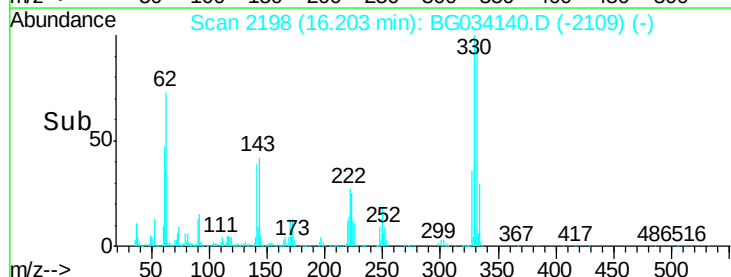
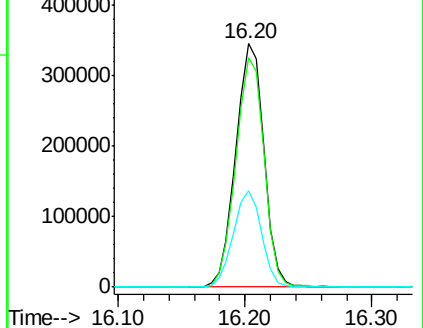
141 39.8 25.2 37.8#

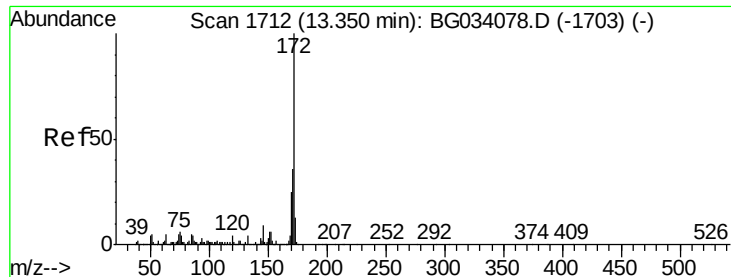


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

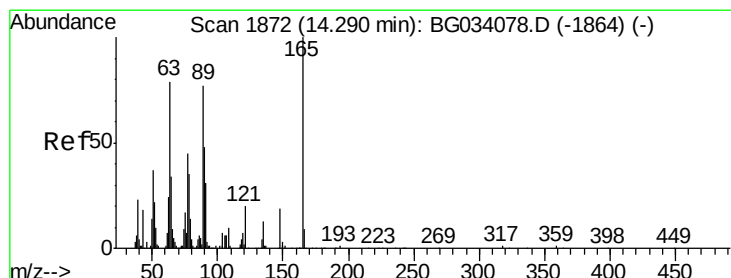
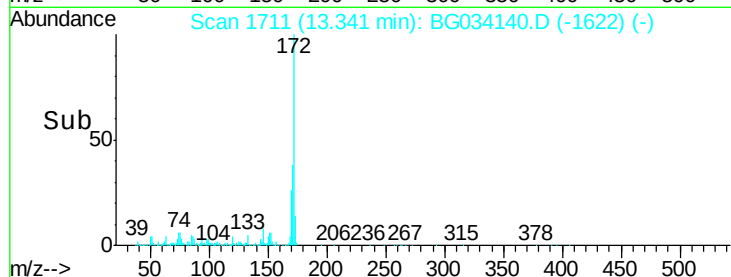
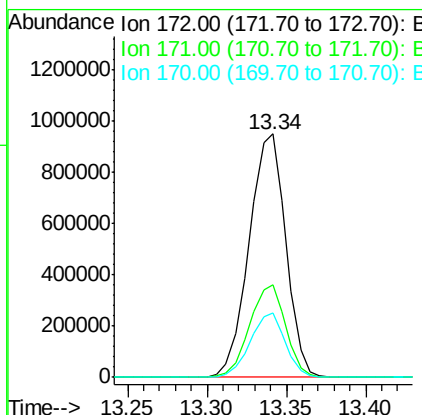
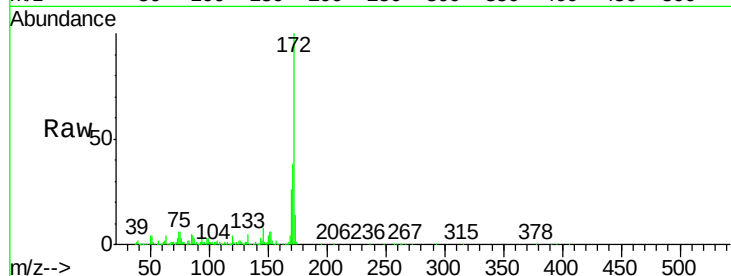




#44
2-Fluorobiphenyl
Concen: 94.50 ng
RT: 13.34 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BG034140.D
Acq: 3 May 2018 7:36

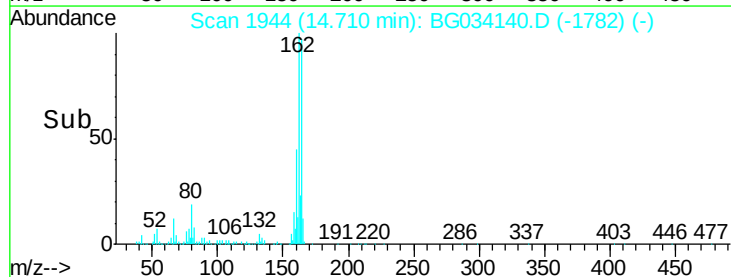
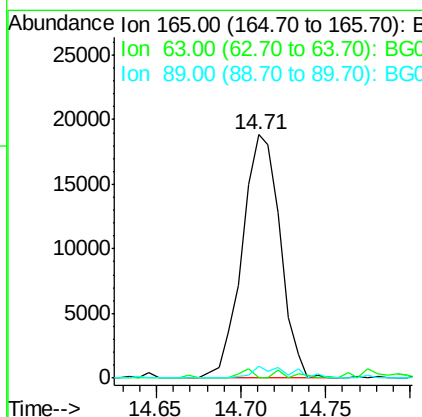
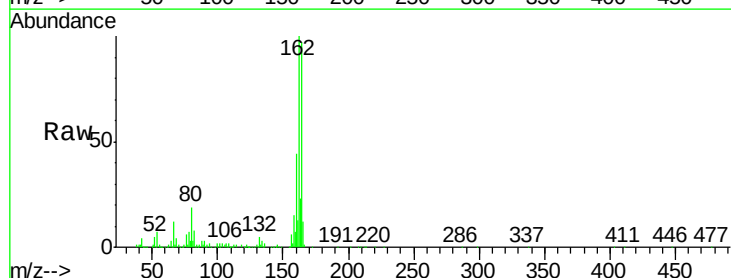
Instrument :
BNA_G
ClientSampleId :

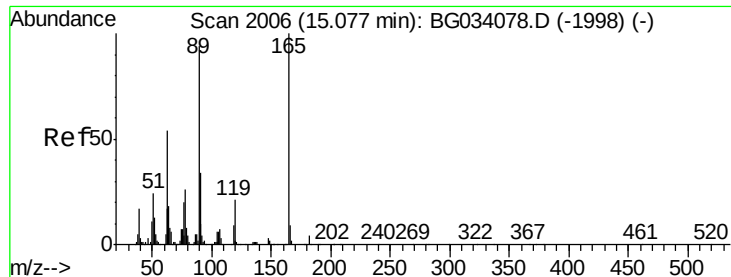
Tot Ion:172 Resp: 1530197
Ion Ratio Lower Upper
172 100
171 38.3 30.0 45.0
170 26.3 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.47 ng
RT: 14.71 min Scan# 1944
Delta R.T. 0.42 min
Lab File: BG034140.D
Acq: 3 May 2018 7:36

Tgt Ion:165 Resp: 29347
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 4.7 49.2 73.8#

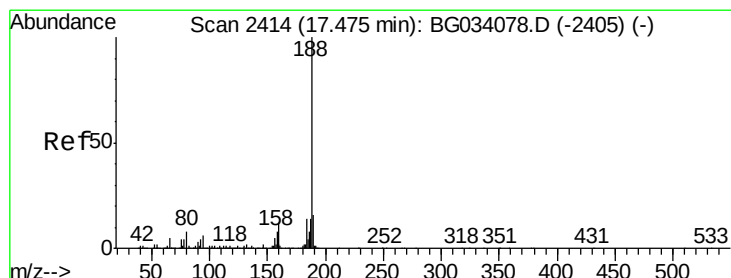
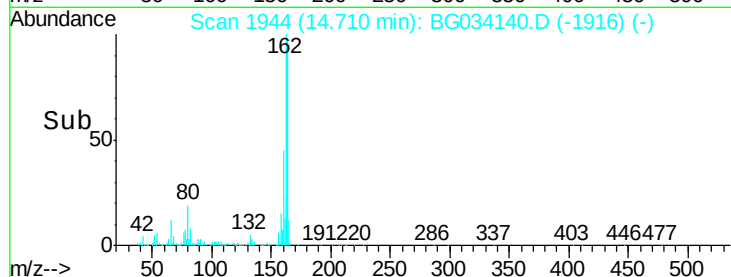
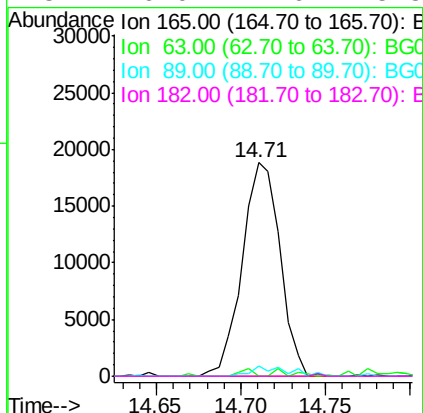
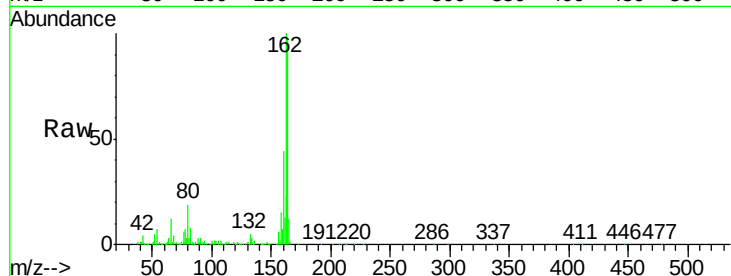




#56
2,4-Dinitrotoluene
Concen: 5.50 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.37 min
Lab File: BG034140.D
Acq: 3 May 2018 7:36

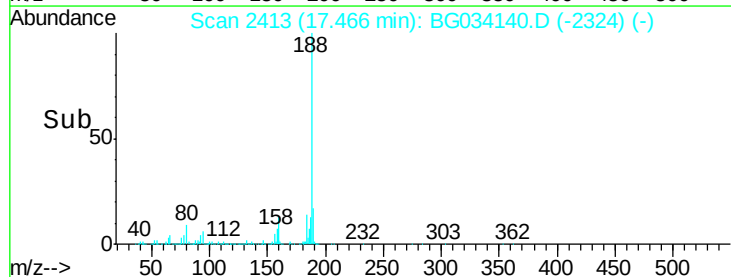
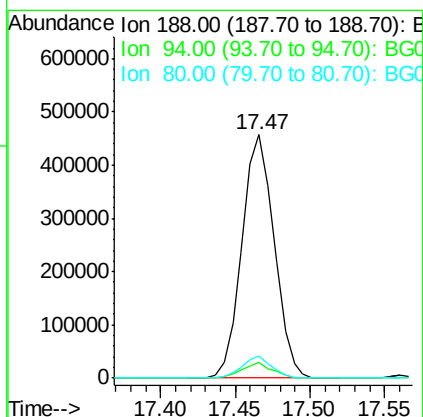
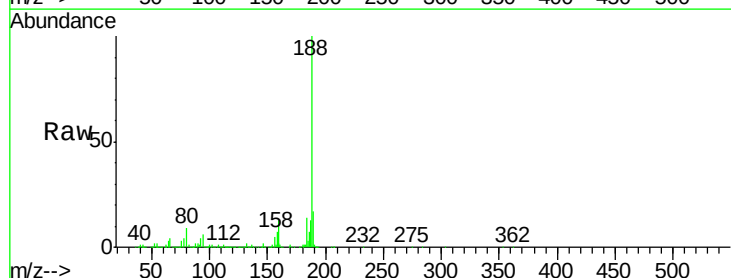
Instrument :
BNA_G
ClientSampleId :

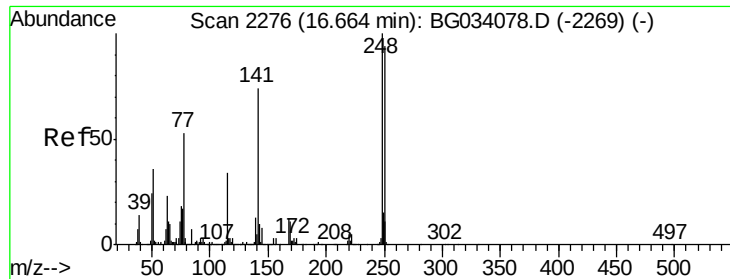
Tot Ion:165 Resp: 29347
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 4.7 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.47 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BG034140.D
Acq: 3 May 2018 7:36

Tgt Ion:188 Resp: 683594
Ion Ratio Lower Upper
188 100
94 6.4 6.9 10.3#
80 9.4 7.7 11.5

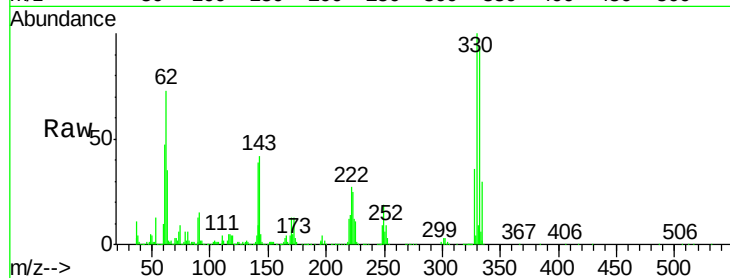




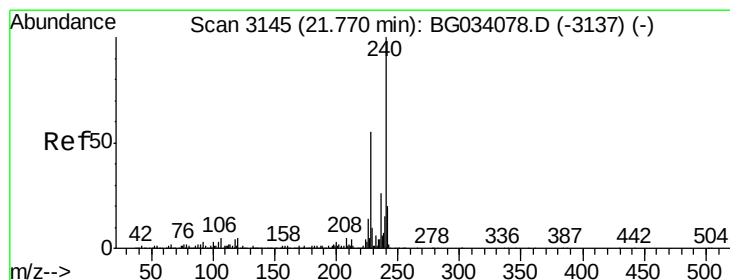
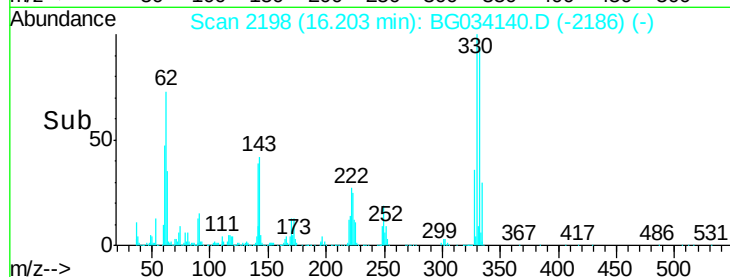
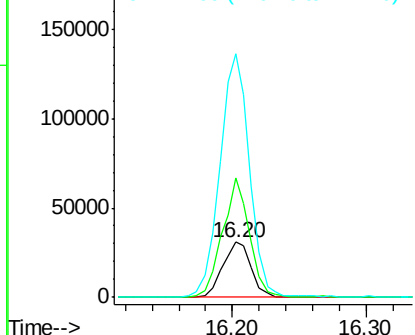
#66
 4-Bromophenyl-phenylether
 Concen: 5.47 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.46 min
 Lab File: BG034140.D
 Acq: 3 May 2018 7:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 46393
 Ion Ratio Lower Upper
 248 100
 250 216.4 77.1 115.7#
 141 442.4 50.8 76.2#

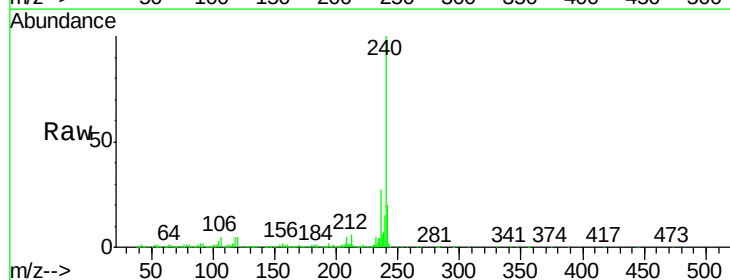


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

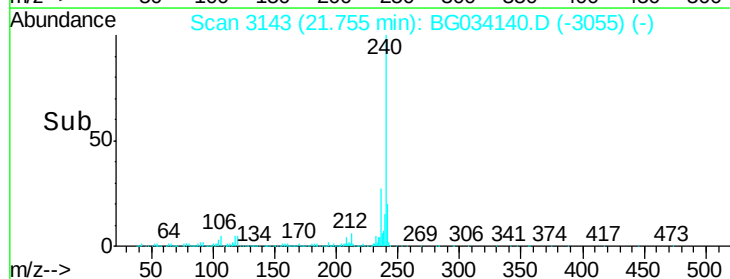
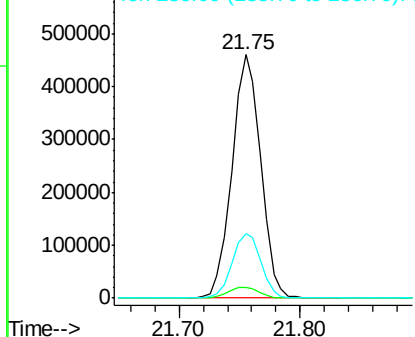


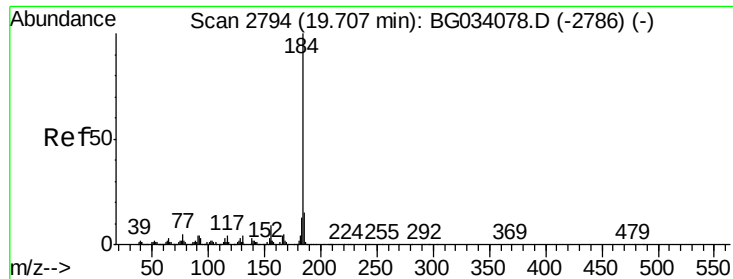
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.75 min Scan# 3143
 Delta R.T. -0.01 min
 Lab File: BG034140.D
 Acq: 3 May 2018 7:36

Tgt Ion:240 Resp: 761051
 Ion Ratio Lower Upper
 240 100
 120 4.6 6.8 10.2#
 236 26.5 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: 3.52 ng

RT: 20.09 min Scan# 2859

Delta R.T. 0.38 min

Lab File: BG034140.D

Acq: 3 May 2018 7:36

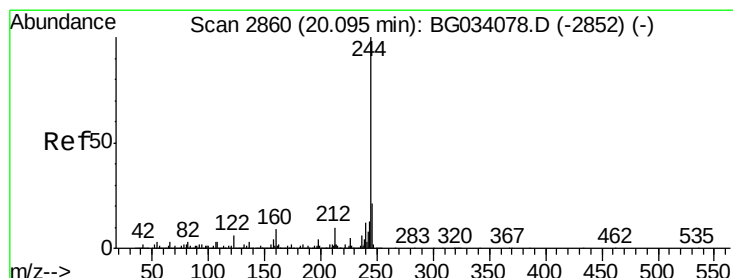
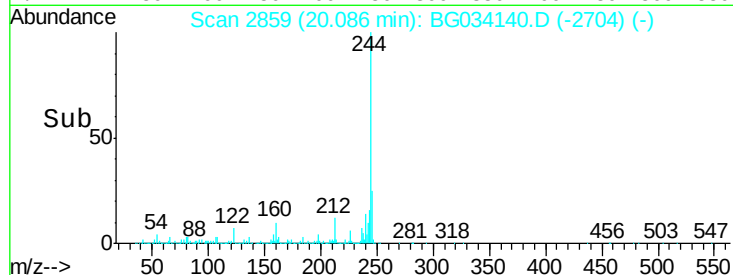
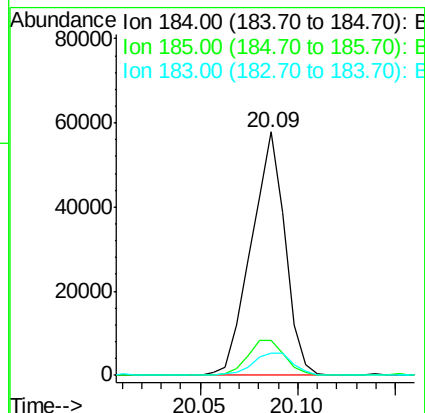
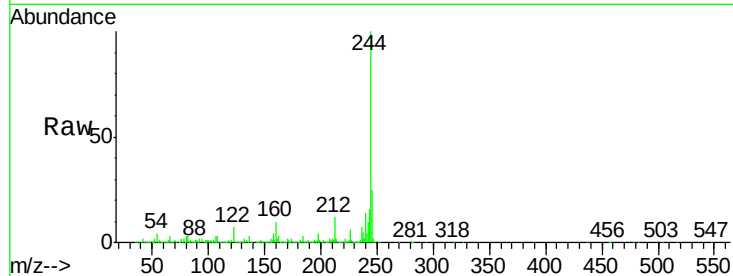
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 69062

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.1	16.7
183	9.0	10.6	16.0#



#78

Terphenyl-d14

Concen: 89.35 ng

RT: 20.09 min Scan# 2859

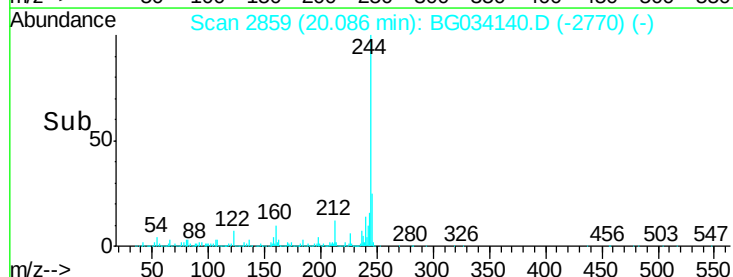
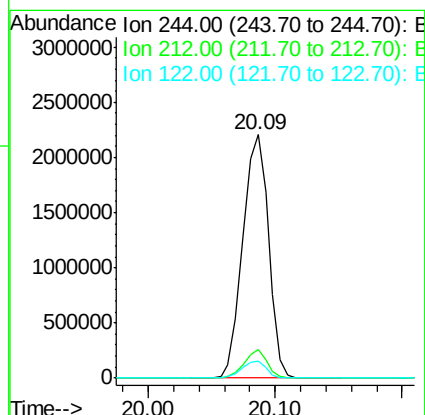
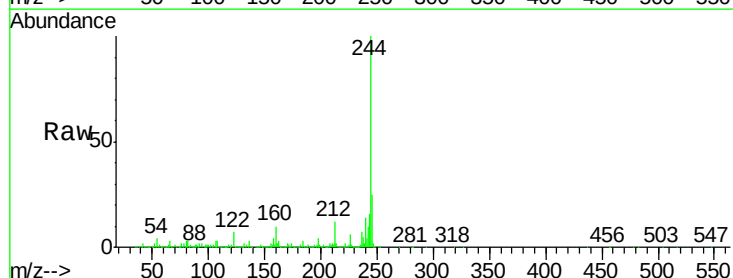
Delta R.T. -0.01 min

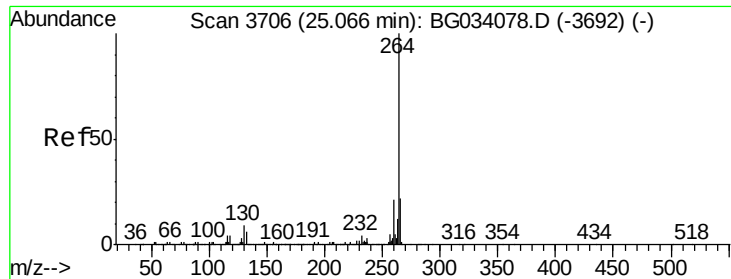
Lab File: BG034140.D

Acq: 3 May 2018 7:36

Tgt Ion:244 Resp: 3104148

Ion	Ratio	Lower	Upper
244	100		
212	11.8	5.8	8.8#
122	7.0	7.0	10.4





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.05 min Scan# 3703
Delta R.T. -0.02 min
Lab File: BG034140.D
Acq: 3 May 2018 7:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	21.1	17.7	26.5

