

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034128.D
 Acq On : 2 May 2018 22:41
 Operator : SJ/JU
 Sample : J2157-22
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 04:48:31 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

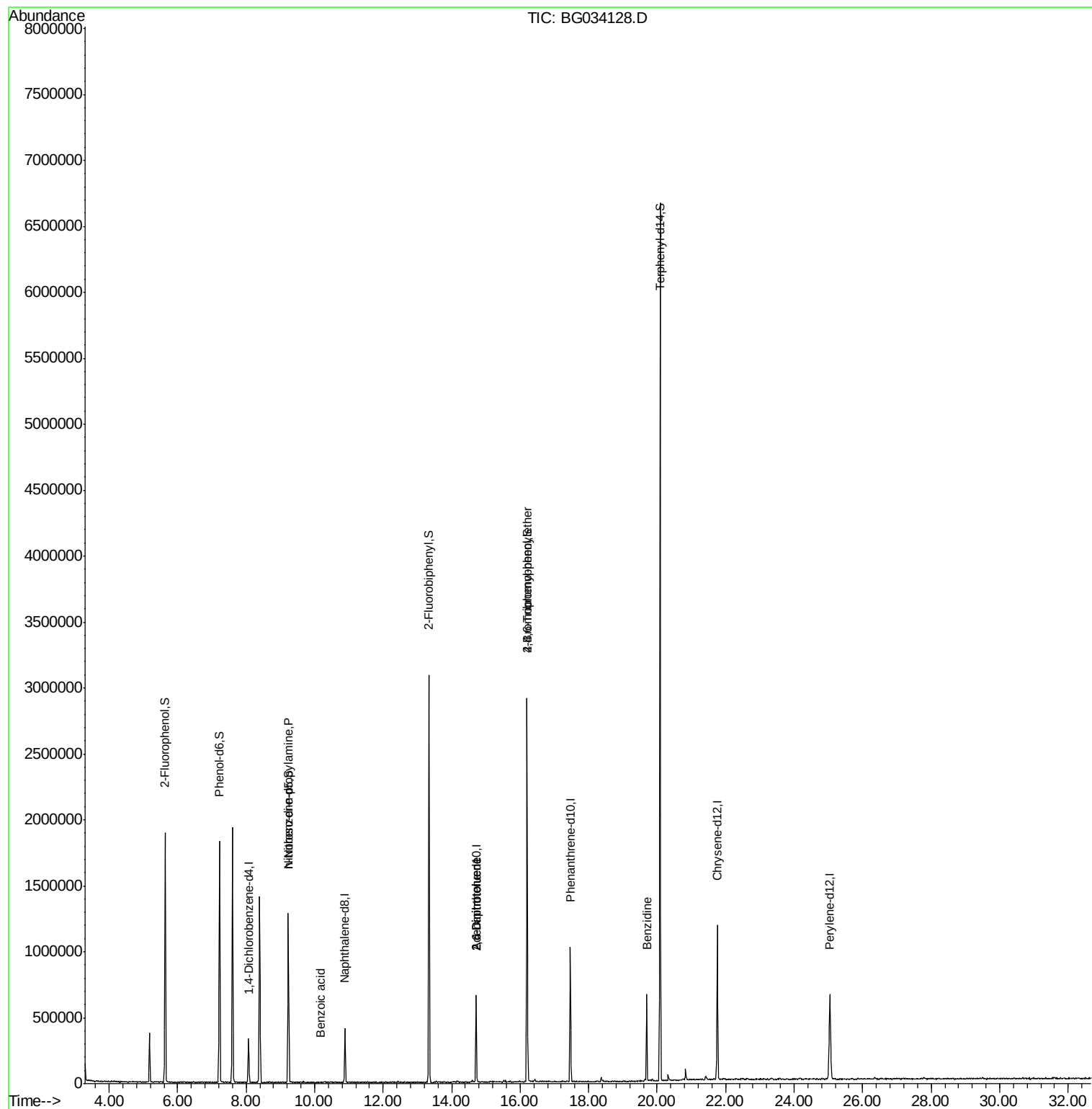
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	79358	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	297799	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	227243	20.00	ng	-0.01
63) Phenanthrene-d10	17.46	188	626492	20.00	ng	-0.01
75) Chrysene-d12	21.76	240	716649	20.00	ng	-0.01
86) Perylene-d12	25.04	264	711797	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	664016	135.19	ng	0.00
7) Phenol-d6	7.22	99	887083	116.01	ng	0.00
23) Nitrobenzene-d5	9.23	82	773471	99.65	ng	-0.01
41) 2,4,6-Tribromophenol	16.21	330	487199	154.83	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1521564	97.57	ng	-0.01
78) Terphenyl-d14	20.08	244	2904121	88.77	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.22	77	2715	Below Cal	#	5
19) n-Nitroso-di-n-propylamine	9.23	70	126596	18.43	ng	# 75
32) Benzoic acid	10.19	122	180	3.16	ng	# 23
50) 2,6-Dinitrotoluene	14.71	165	30101	7.95	ng	# 20
56) 2,4-Dinitrotoluene	14.71	165	30101	5.86	ng	# 18
66) 4-Bromophenyl-phenylether	16.20	248	43515	5.59	ng	# 1
76) Benzidine	19.70	184	332922	18.03	ng	99

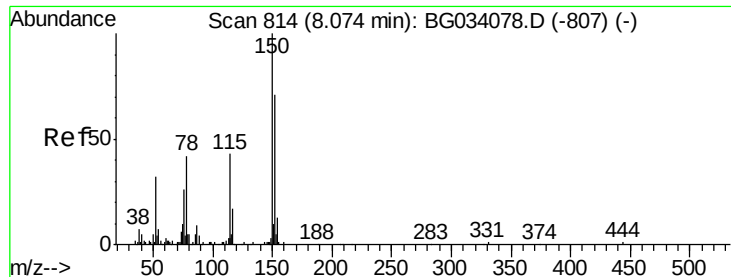
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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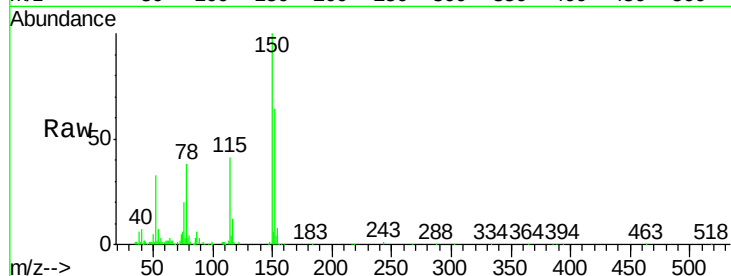


#1

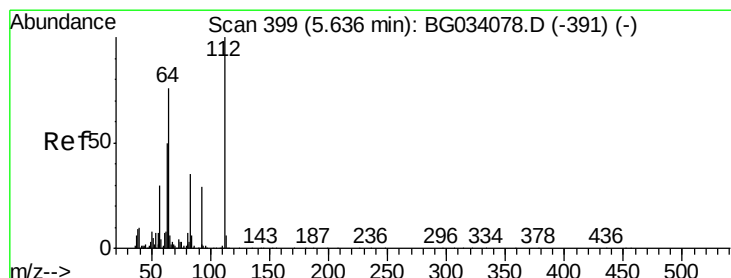
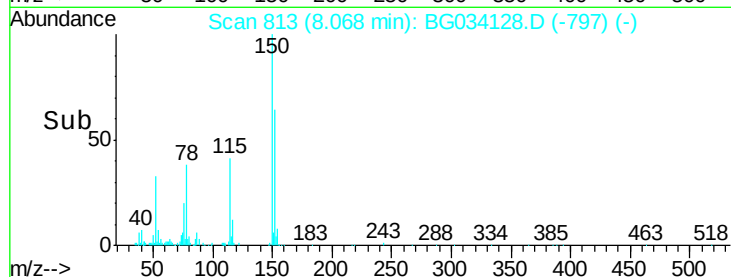
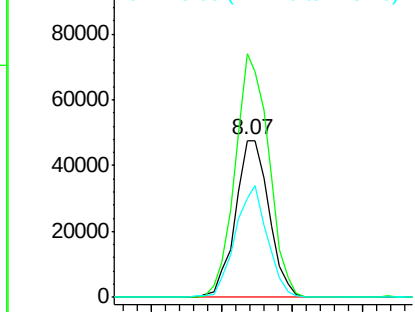
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG034128.D
Acq: 2 May 2018 22:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.6	189.8
115	63.3	53.0	79.4



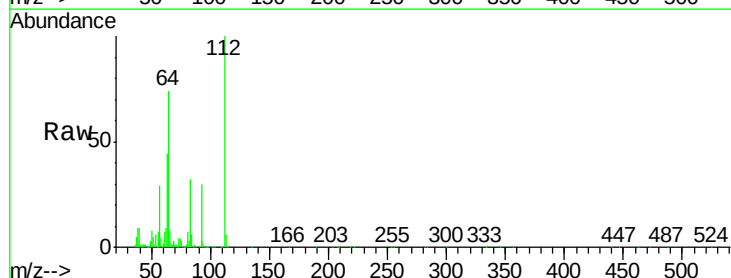
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



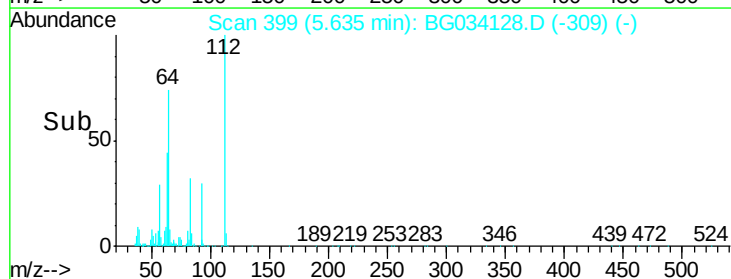
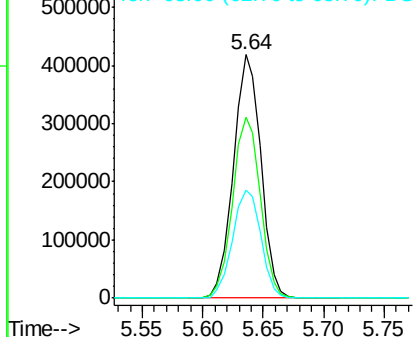
#5

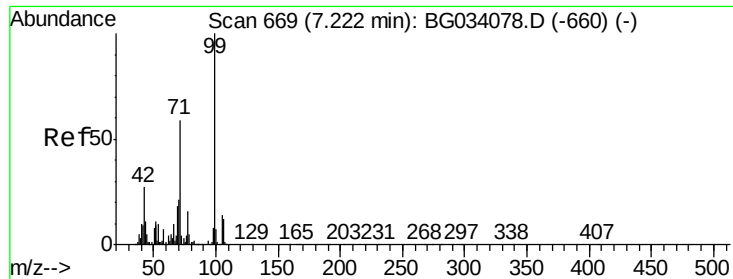
2-Fluorophenol
Concen: 135.19 ng
RT: 5.64 min Scan# 399
Delta R.T. 0.00 min
Lab File: BG034128.D
Acq: 2 May 2018 22:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.2	56.3	84.5
63	44.4	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: 116.01 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034128.D

Acq: 2 May 2018 22:41

Instrument :

BNA_G

ClientSampleId :

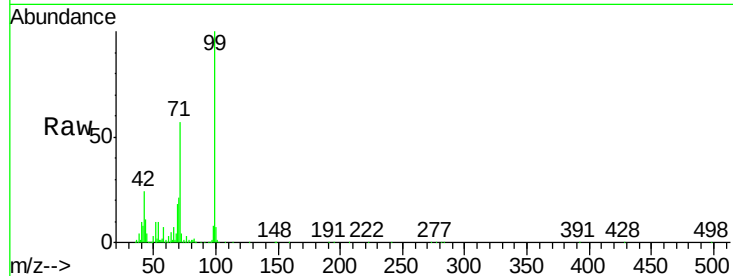
Tot Ion: 99 Resp: 887083

Ion Ratio Lower Upper

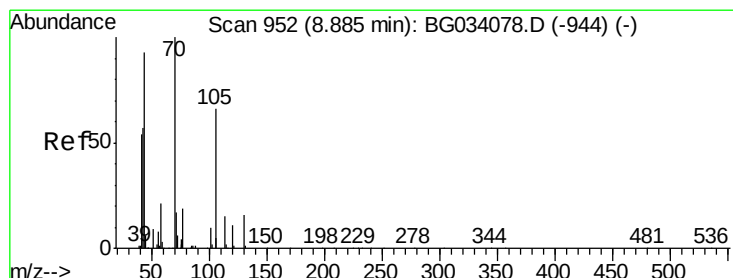
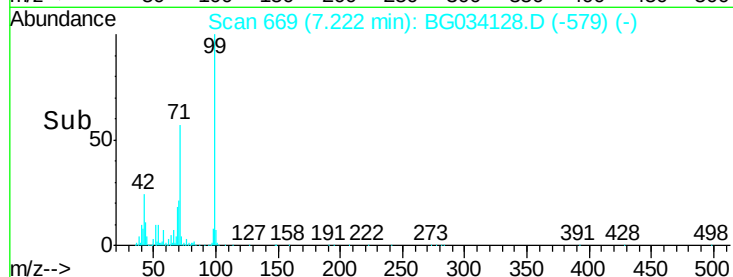
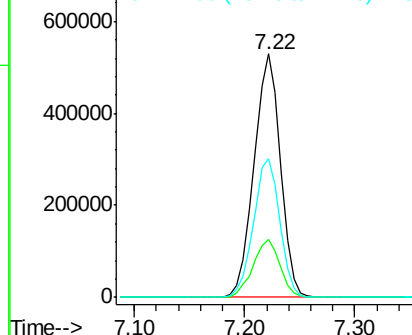
99 100

42 23.7 14.1 21.1#

71 56.7 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: 18.43 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG034128.D

Acq: 2 May 2018 22:41

Tgt Ion: 70 Resp: 126596

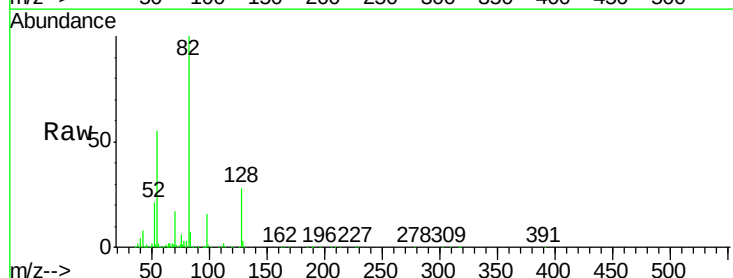
Ion Ratio Lower Upper

70 100

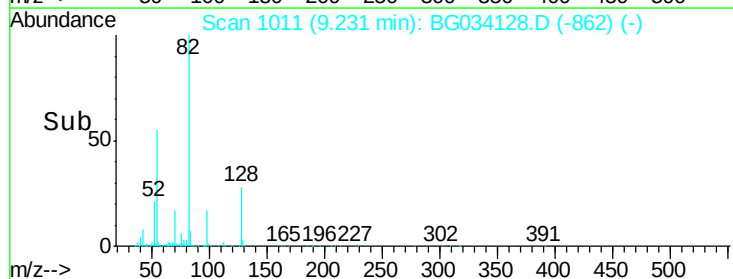
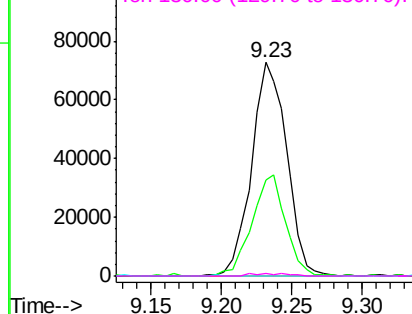
42 45.1 49.1 73.7#

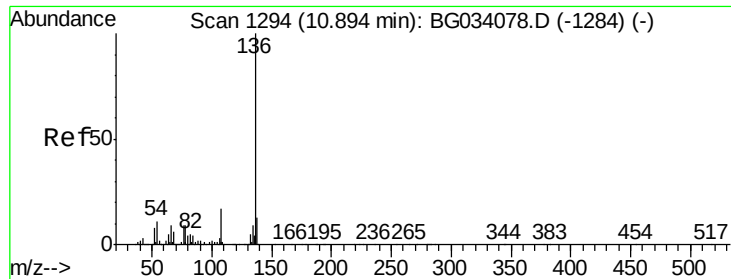
101 0.2 8.5 12.7#

130 1.0 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

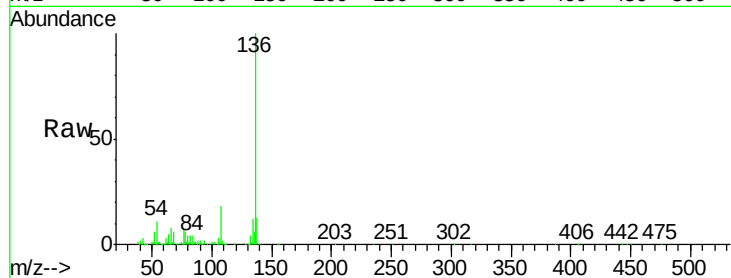




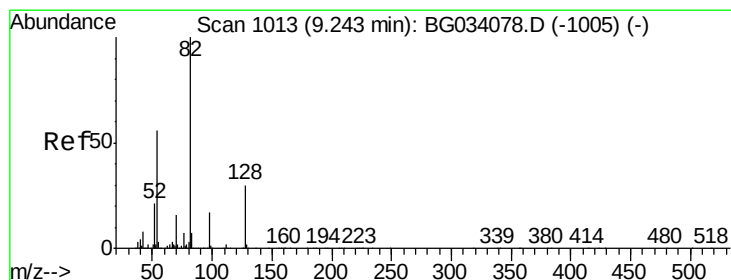
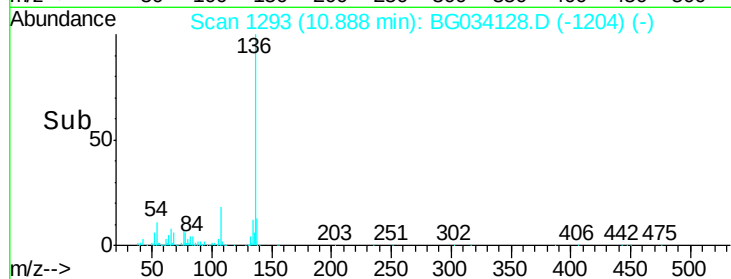
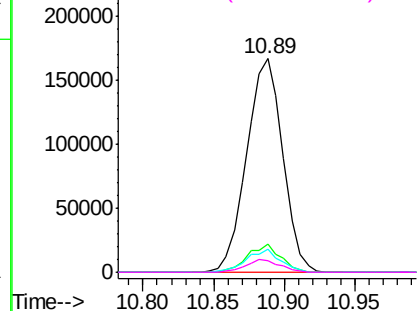
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034128.D
Acq: 2 May 2018 22:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	297799
Ion Ratio	Lower	Upper
136 100		
137 13.1	9.2	13.8
54 10.8	10.3	15.5
68 5.6	4.5	6.7

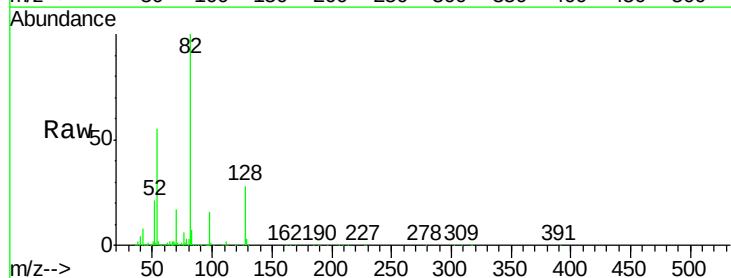


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

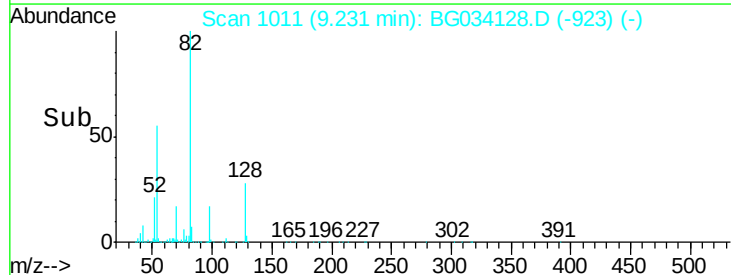
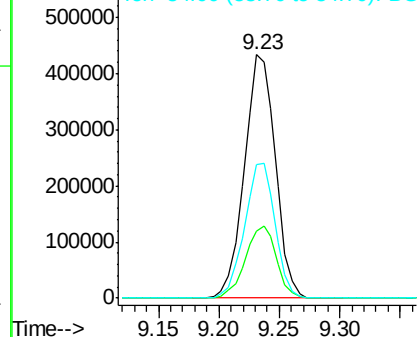


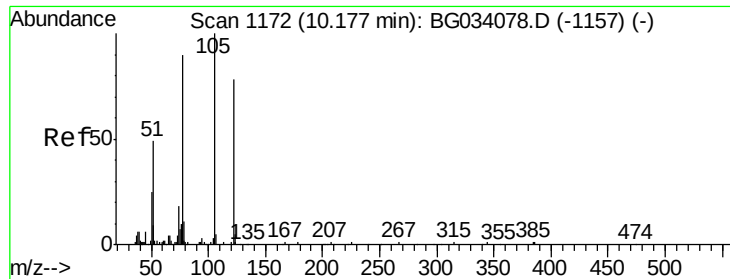
#23
Nitrobenzene-d5
Concen: 99.65 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG034128.D
Acq: 2 May 2018 22:41

Tgt	Ion: 82	Resp:	773471
Ion	Ratio	Lower	Upper
82	100		
128	27.5	29.7	44.5#
54	54.6	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: 3.16 ng

RT: 10.19 min Scan# 1174

Delta R.T. 0.01 min

Lab File: BG034128.D

Acq: 2 May 2018 22:41

Instrument :

BNA_G

ClientSampled :

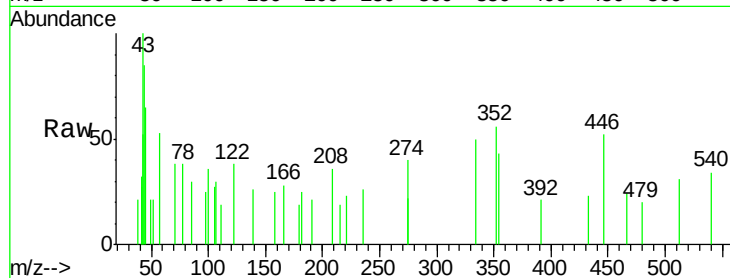
Tot Ion:122 Resp: 180

Ion Ratio Lower Upper

122 100

105 71.6 123.5 163.5#

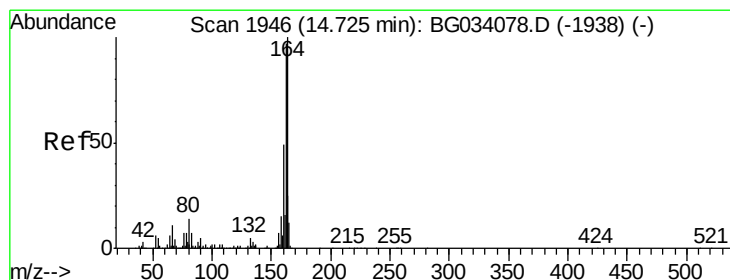
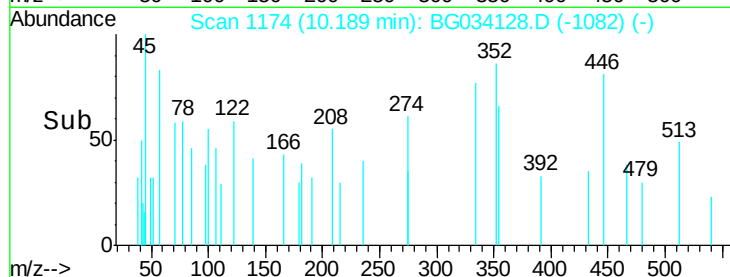
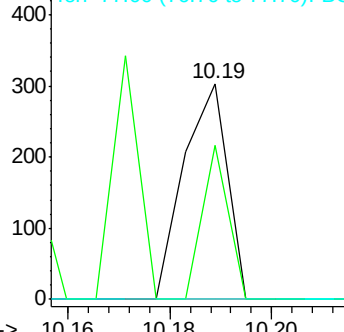
77 0.0 85.7 125.7#



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): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG034128.D

Acq: 2 May 2018 22:41

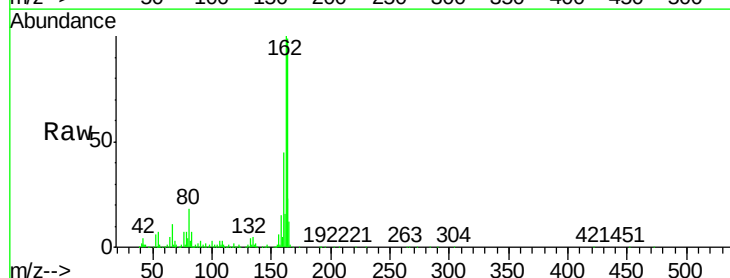
Tgt Ion:164 Resp: 227243

Ion Ratio Lower Upper

164 100

162 101.0 78.8 118.2

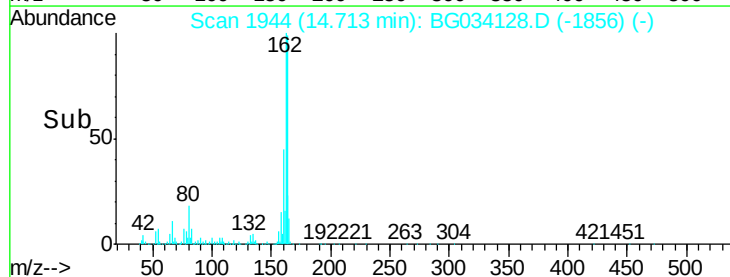
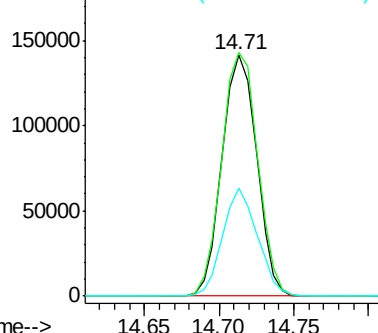
160 45.0 35.4 53.0

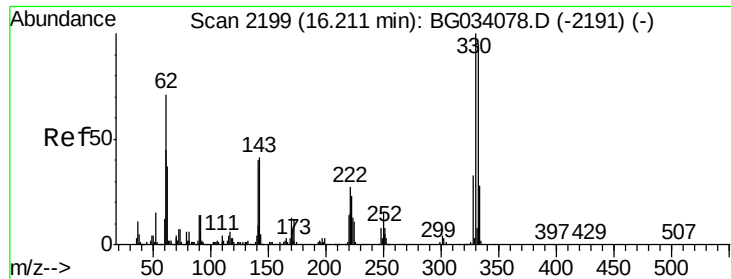


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

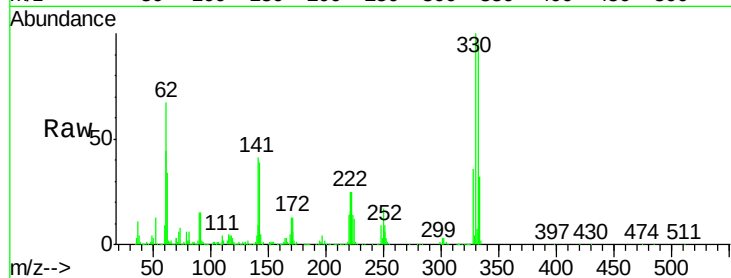




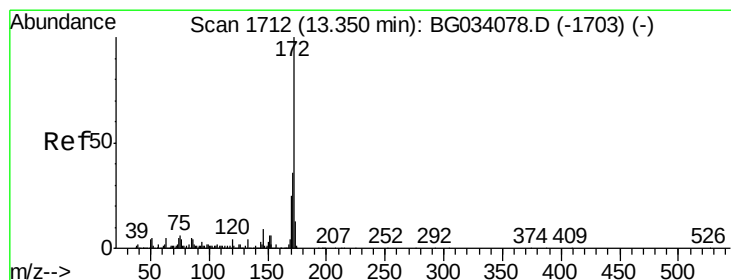
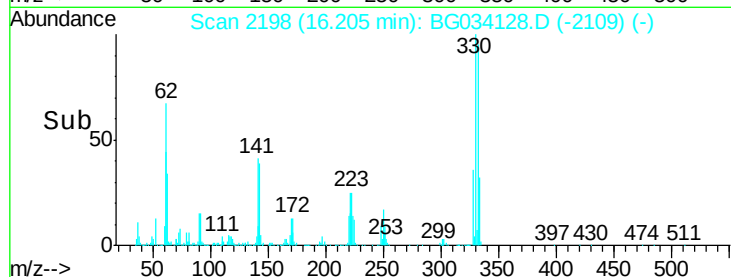
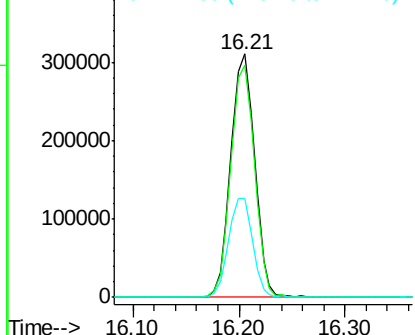
#41
 2,4,6-Tribromophenol
 Concen: 154.83 ng
 RT: 16.21 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034128.D
 Acq: 2 May 2018 22:41

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 487199
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 40.8 25.2 37.8#

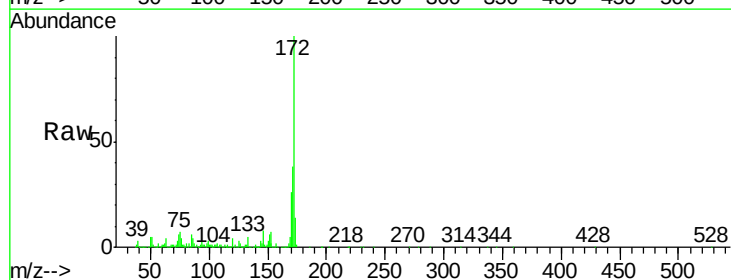


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

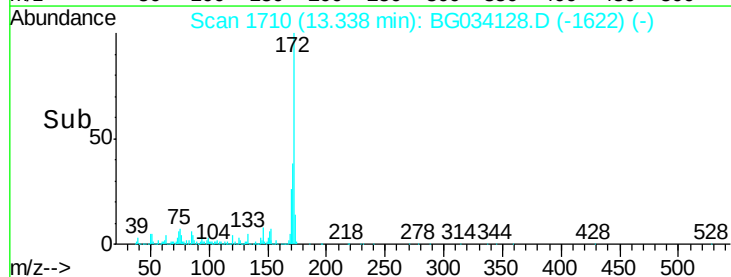
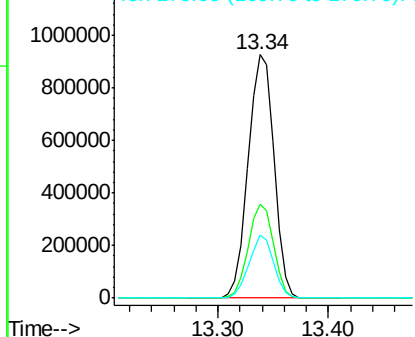


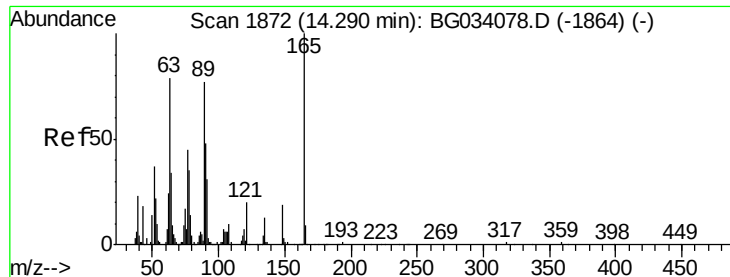
#44
 2-Fluorobiphenyl
 Concen: 97.57 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG034128.D
 Acq: 2 May 2018 22:41

Tgt Ion:172 Resp: 1521564
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.0 45.0
 170 25.9 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

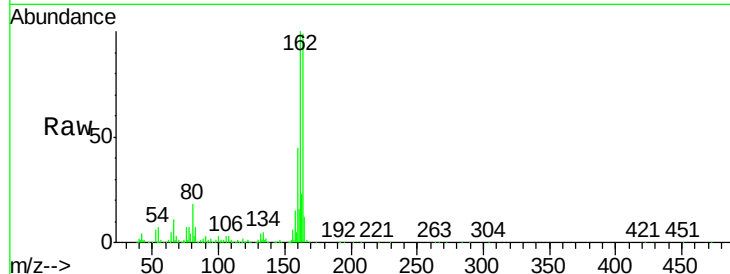




#50
2,6-Dinitrotoluene
Concen: 7.95 ng
RT: 14.71 min Scan# 1944
Delta R.T. 0.42 min
Lab File: BG034128.D
Acq: 2 May 2018 22:41

Instrument :
BNA_G
ClientSampleId :

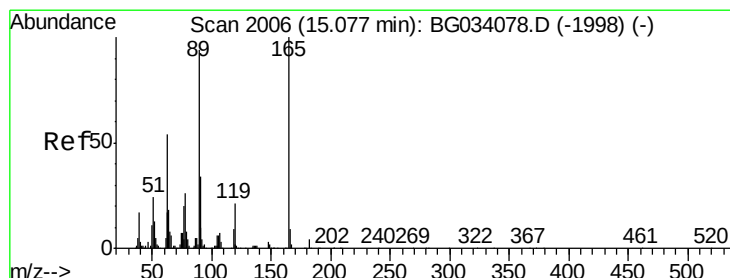
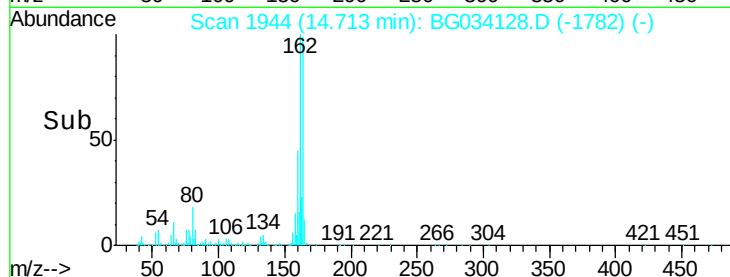
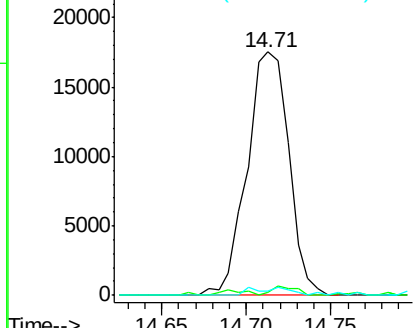
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	52.7	79.1#
89	1.6	49.2	73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

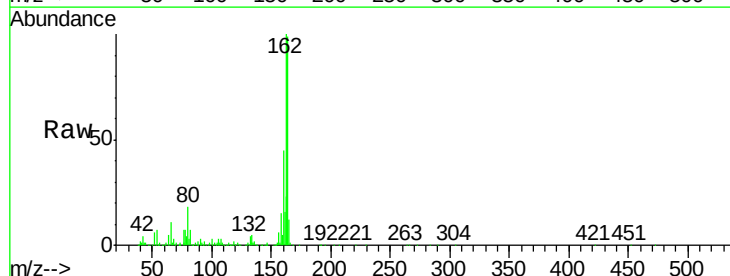
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56
2,4-Dinitrotoluene
Concen: 5.86 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.36 min
Lab File: BG034128.D
Acq: 2 May 2018 22:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.0	63.0#
89	1.6	66.9	100.3#
182	0.0	2.6	3.8#

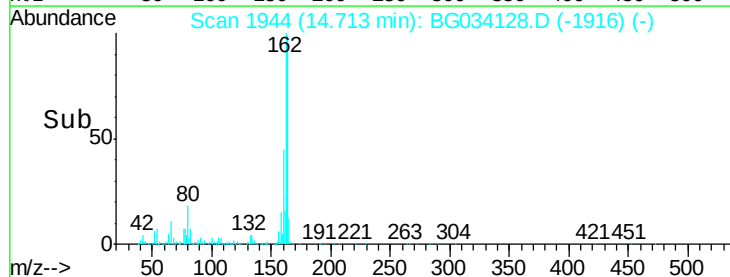
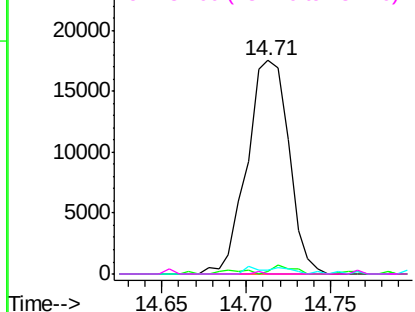


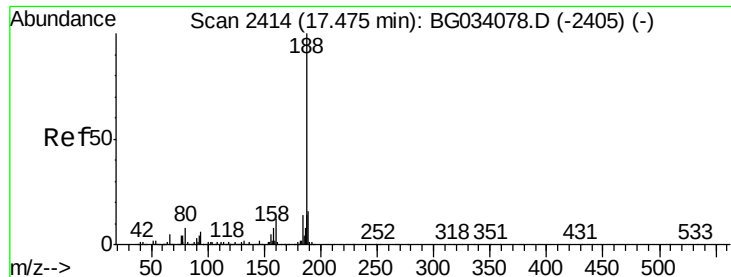
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

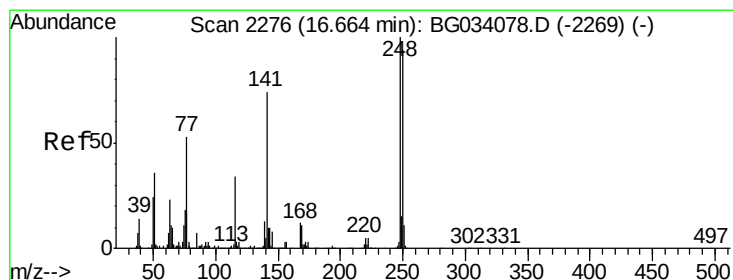
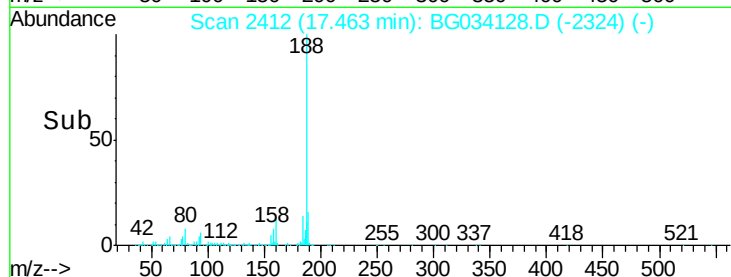
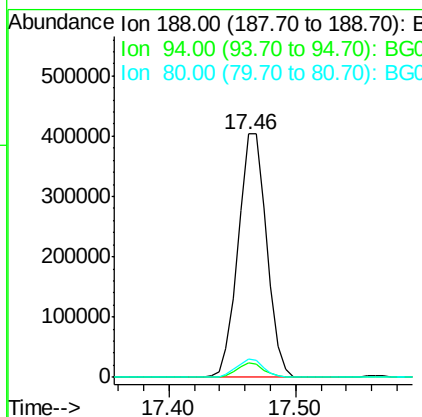
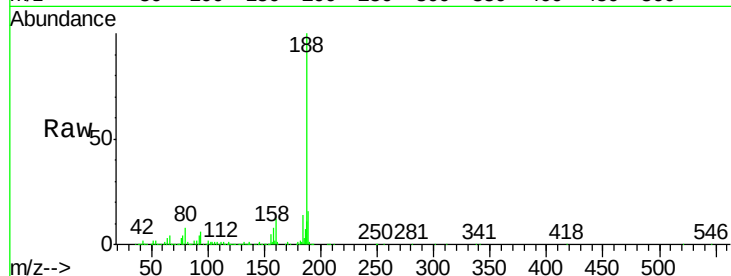




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.46 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BG034128.D
Acq: 2 May 2018 22:41

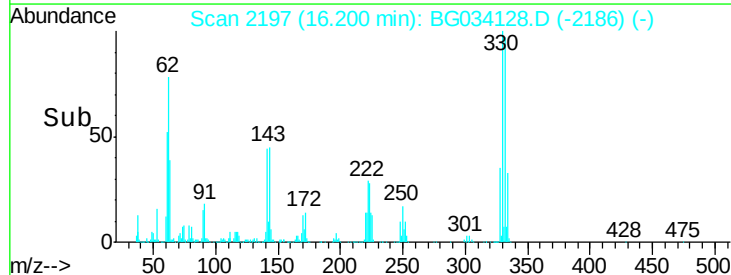
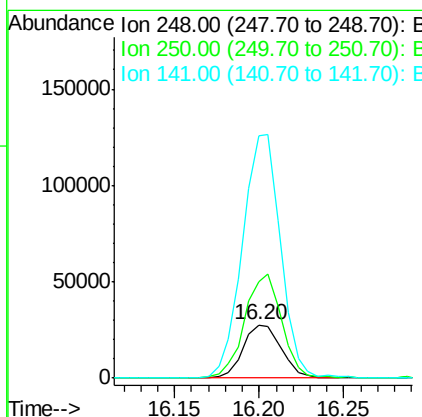
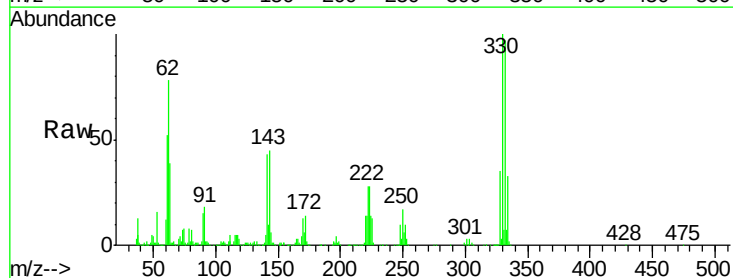
Instrument :
BNA_G
ClientSampleId :

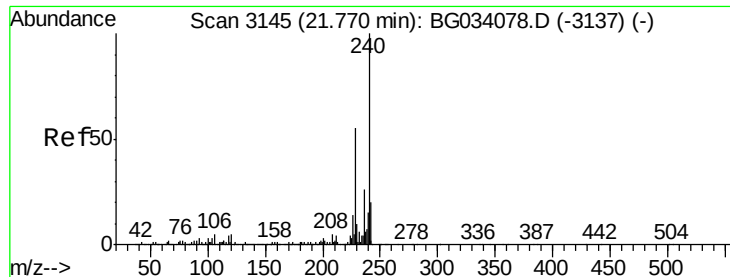
Tot Ion:188 Resp: 626492
Ion Ratio Lower Upper
188 100
94 6.1 6.9 10.3#
80 7.7 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 5.59 ng
RT: 16.20 min Scan# 2197
Delta R.T. -0.46 min
Lab File: BG034128.D
Acq: 2 May 2018 22:41

Tgt Ion:248 Resp: 43515
Ion Ratio Lower Upper
248 100
250 182.2 77.1 115.7#
141 455.1 50.8 76.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG034128.D

Acq: 2 May 2018 22:41

Instrument :

BNA_G

ClientSampled :

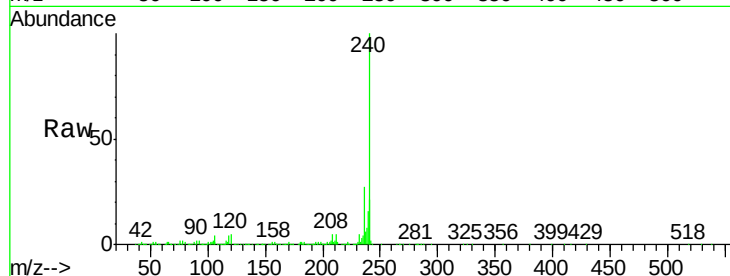
Tot Ion:240 Resp: 716649

Ion Ratio Lower Upper

240 100

120 5.0 6.8 10.2#

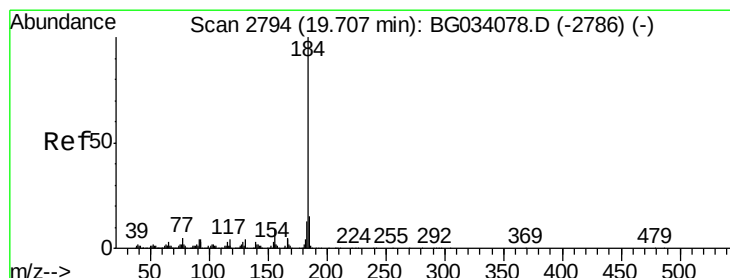
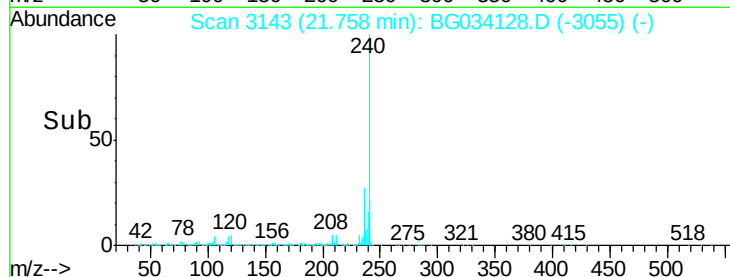
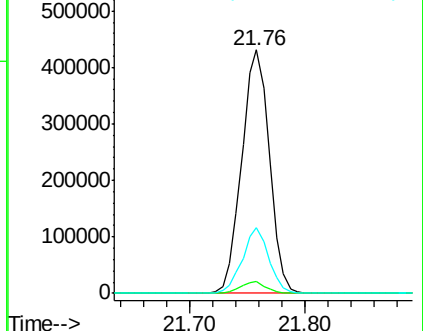
236 26.9 20.9 31.3



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: 18.03 ng

RT: 19.70 min Scan# 2792

Delta R.T. -0.01 min

Lab File: BG034128.D

Acq: 2 May 2018 22:41

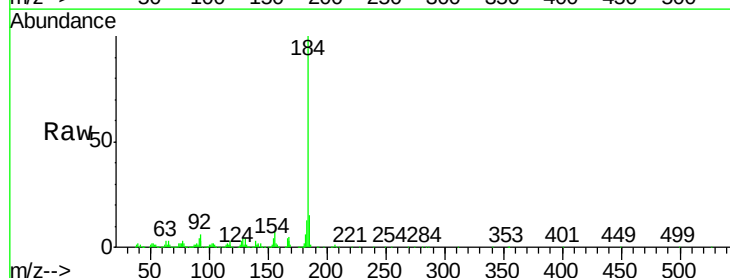
Tgt Ion:184 Resp: 332922

Ion Ratio Lower Upper

184 100

185 14.7 11.1 16.7

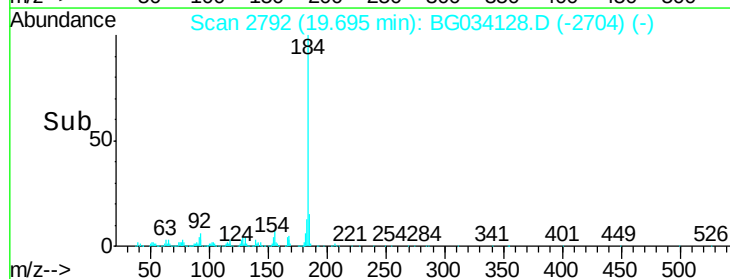
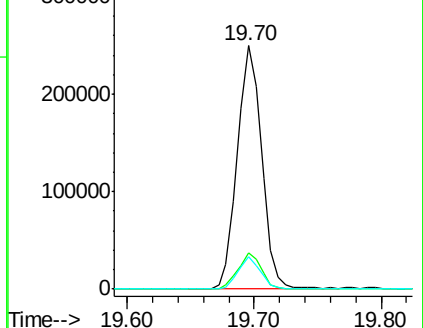
183 13.5 10.6 16.0

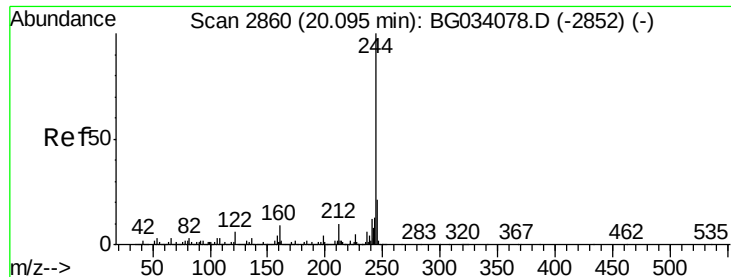


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 88.77 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG034128.D

Acq: 2 May 2018 22:41

Instrument :

BNA_G

ClientSampled :

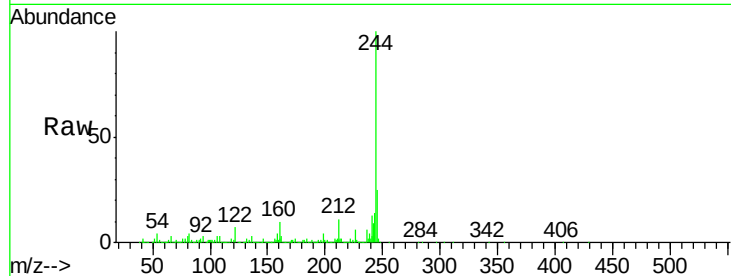
Tot Ion:244 Resp: 2904121

Ion Ratio Lower Upper

244 100

212 10.7 5.8 8.8#

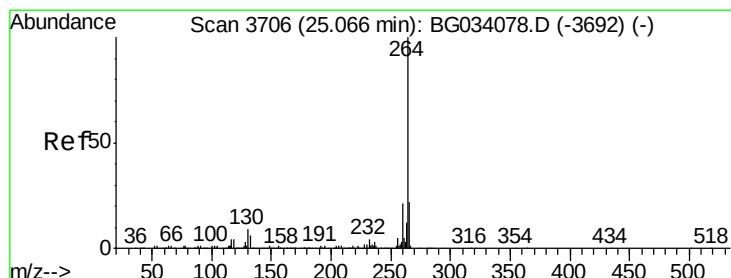
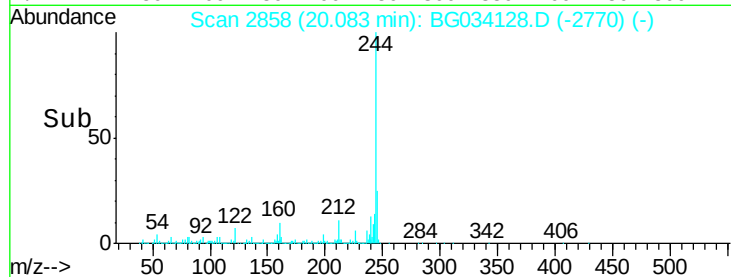
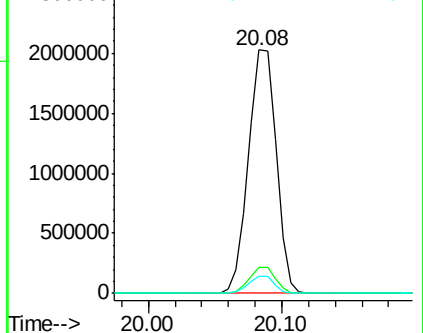
122 6.8 7.0 10.4#



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: 25.04 min Scan# 3702

Delta R.T. -0.02 min

Lab File: BG034128.D

Acq: 2 May 2018 22:41

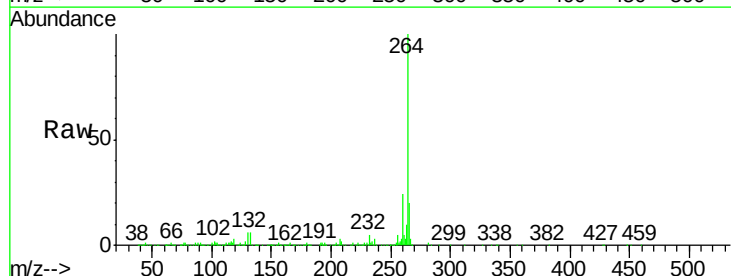
Tgt Ion:264 Resp: 711797

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

265 20.1 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

