

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034139.D
 Acq On : 3 May 2018 6:58
 Operator : SJ/JU
 Sample : J2652-23
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 08:14:28 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

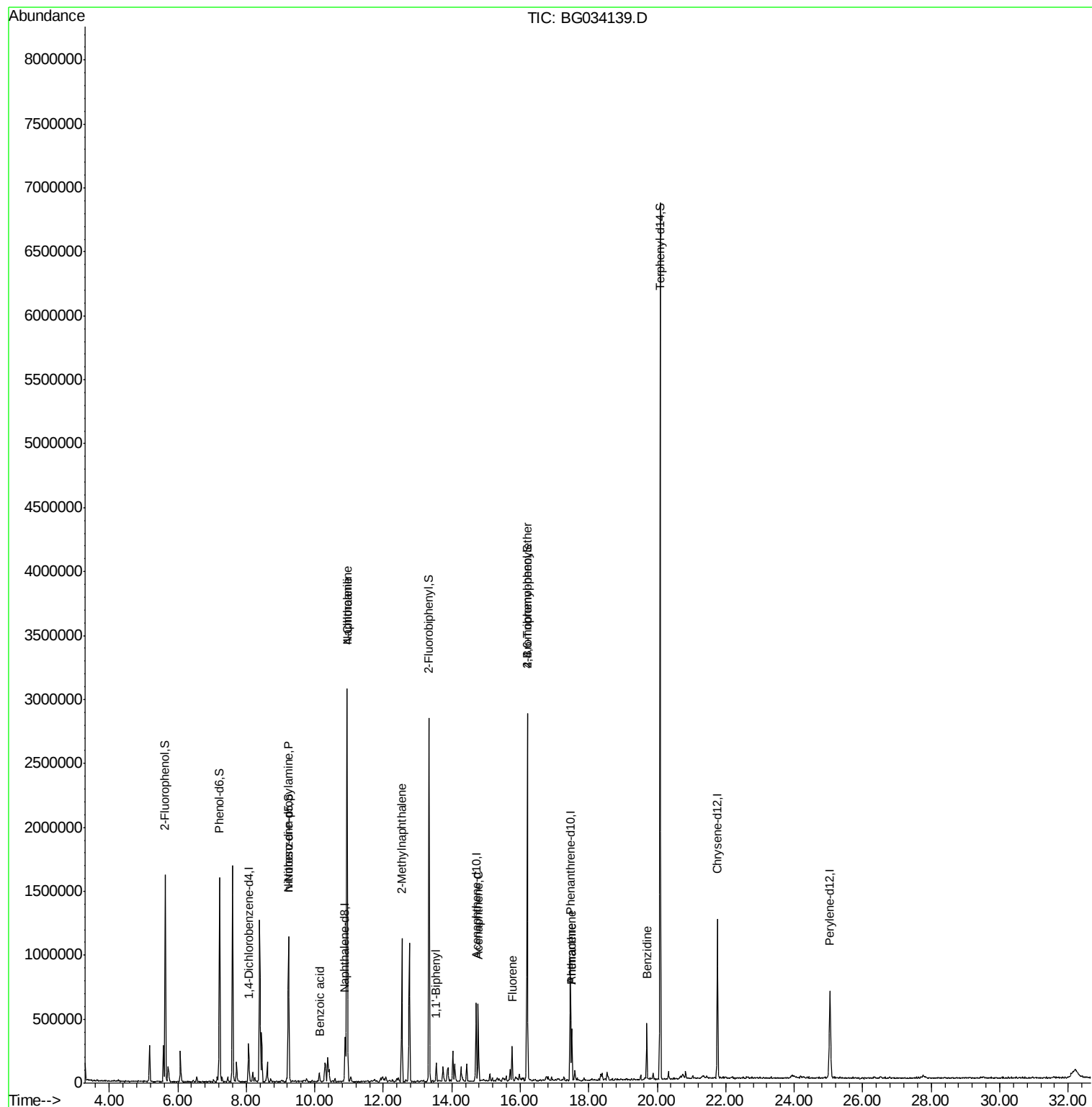
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	69200	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	265482	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	207543	20.00	ng	-0.02
63) Phenanthrene-d10	17.47	188	588860	20.00	ng	0.00
75) Chrysene-d12	21.76	240	748884	20.00	ng	0.00
86) Perylene-d12	25.04	264	752577	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	578958	135.17	ng	0.00
7) Phenol-d6	7.22	99	771094	115.64	ng	0.00
23) Nitrobenzene-d5	9.23	82	696024	100.59	ng	0.00
41) 2,4,6-Tribromophenol	16.20	330	454391	158.11	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	1380091	96.90	ng	-0.02
78) Terphenyl-d14	20.09	244	2965037	86.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	107200	17.90	ng	Qvalue # 68
31) Naphthalene	10.94	128	2232588	159.99	ng	97
32) Benzoic acid	10.16	122	441	3.24	ng	# 27
33) 4-Chloroaniline	10.94	127	332586	52.86	ng	# 33
37) 2-Methylnaphthalene	12.54	142	477412	42.19	ng	# 93
45) 1,1'-Biphenyl	13.55	154	72806	4.49	ng	99
51) Acenaphthene	14.77	154	217658	16.34	ng	98
57) Fluorene	15.76	166	117034	6.95	ng	93
66) 4-Bromophenyl-phenylether	16.20	248	42384	5.80	ng	# 1
70) Phenanthrene	17.51	178	239775	7.92	ng	97
71) Anthracene	17.51	178	239775	7.82	ng	98
76) Benzidine	19.70	184	236372	12.25	ng	98

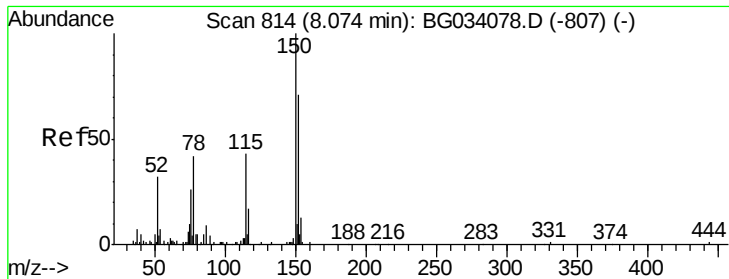
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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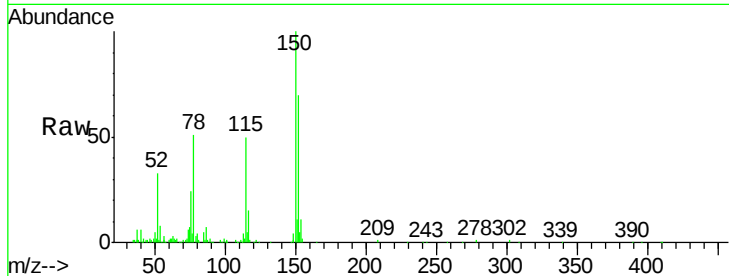


#1

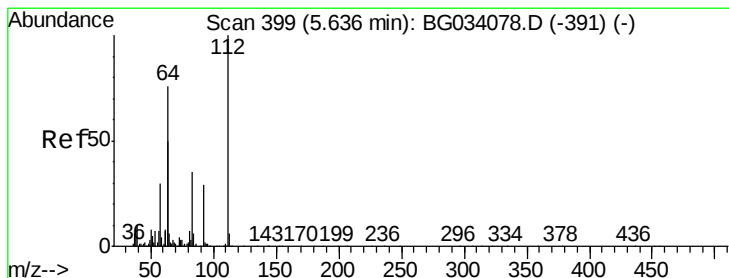
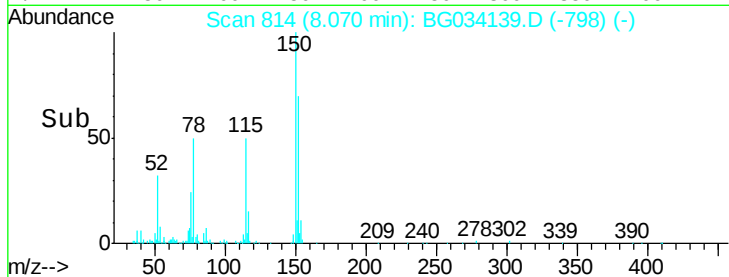
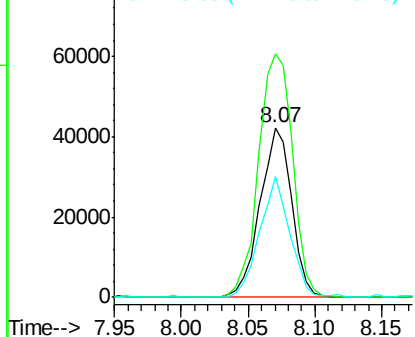
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034139.D
Acq: 3 May 2018 6:58

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 69200
Ion Ratio Lower Upper
152 100
150 143.4 126.6 189.8
115 71.0 53.0 79.4



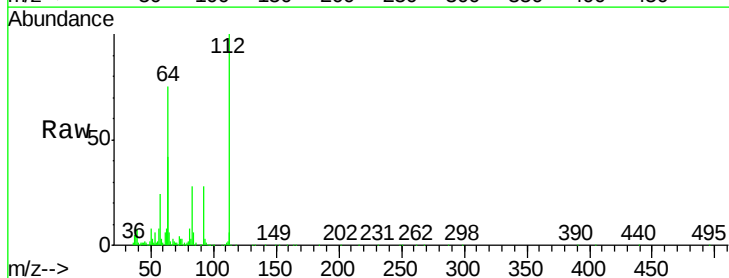
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



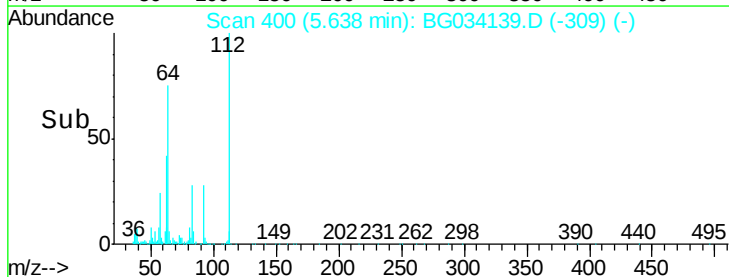
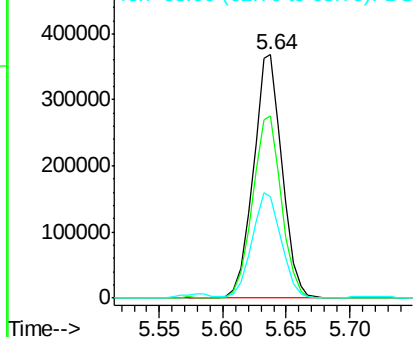
#5

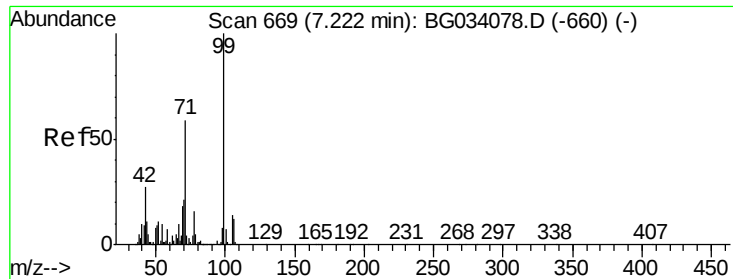
2-Fluorophenol
Concen: 135.17 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG034139.D
Acq: 3 May 2018 6:58

Tgt Ion:112 Resp: 578958
Ion Ratio Lower Upper
112 100
64 74.9 56.3 84.5
63 41.8 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: 115.64 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

Instrument :

BNA_G

ClientSampled :

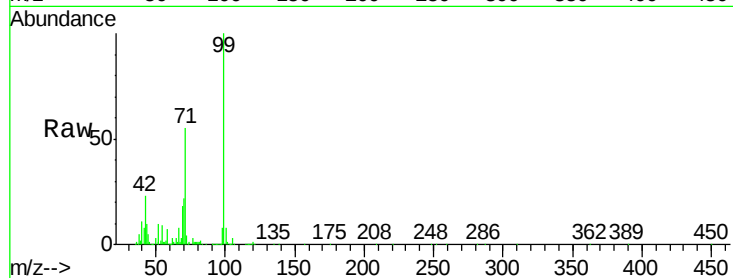
Tot Ion: 99 Resp: 771094

Ion Ratio Lower Upper

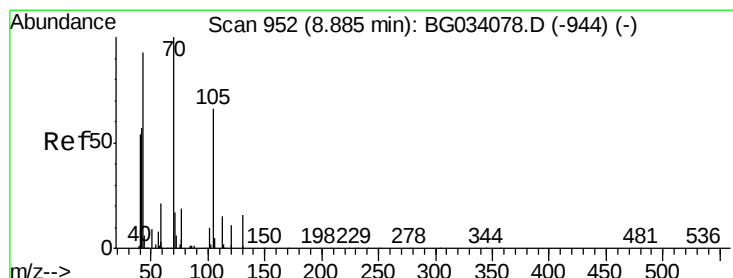
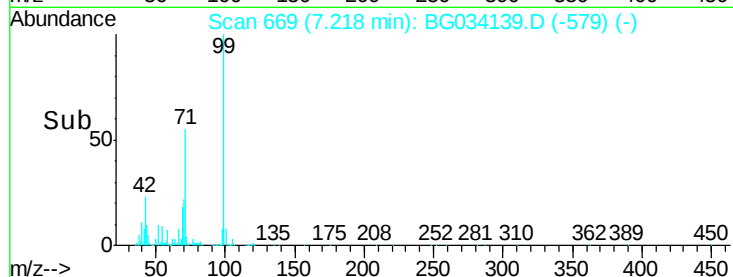
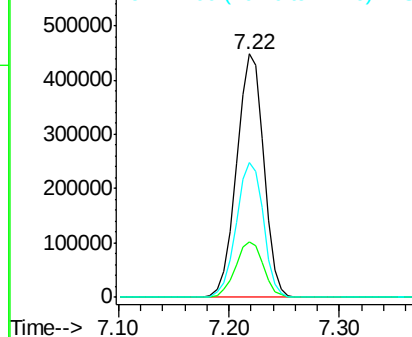
99 100

42 22.7 14.1 21.1#

71 55.5 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: 17.90 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.35 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

Tgt Ion: 70 Resp: 107200

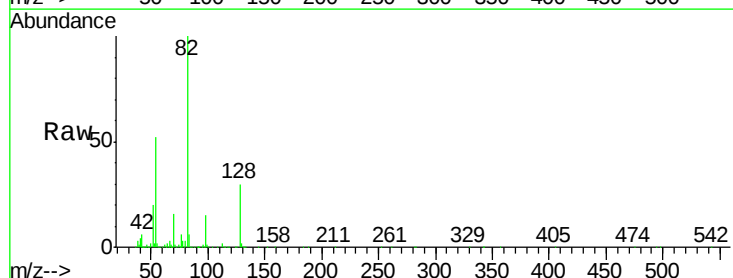
Ion Ratio Lower Upper

70 100

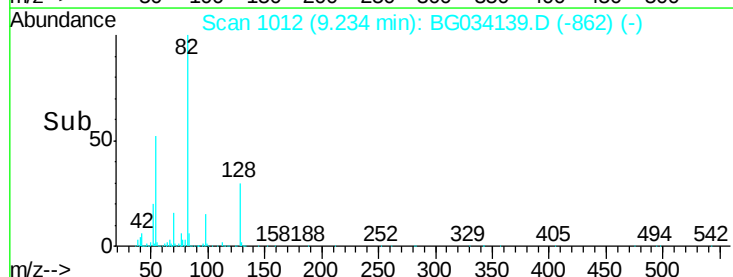
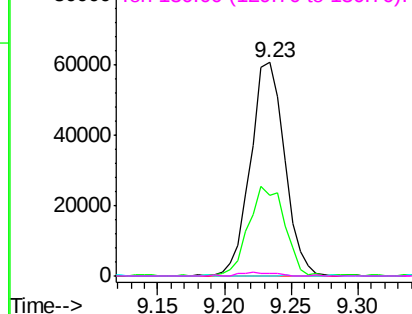
42 37.8 49.1 73.7#

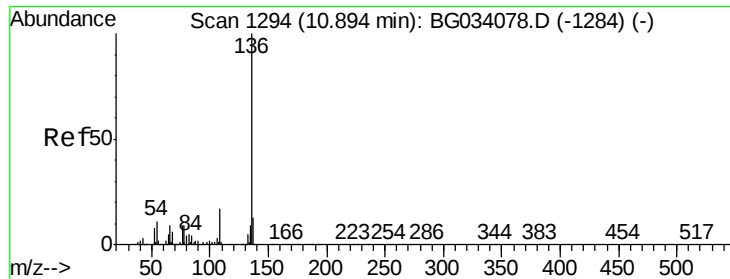
101 0.0 8.5 12.7#

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

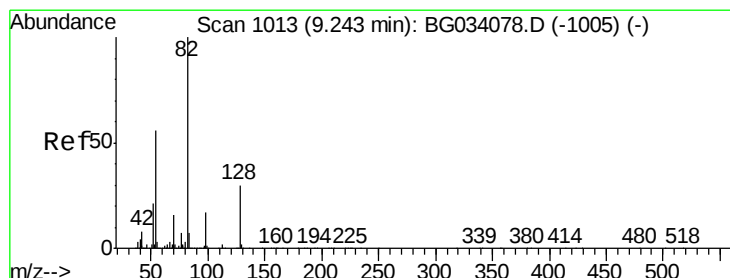
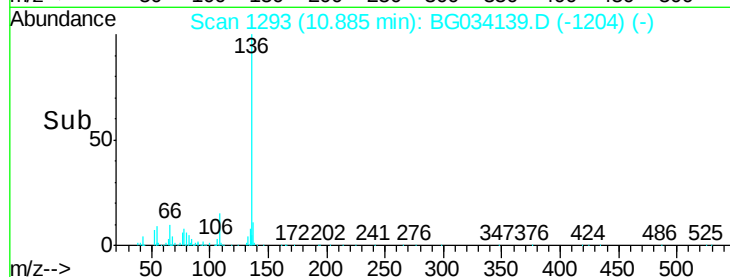
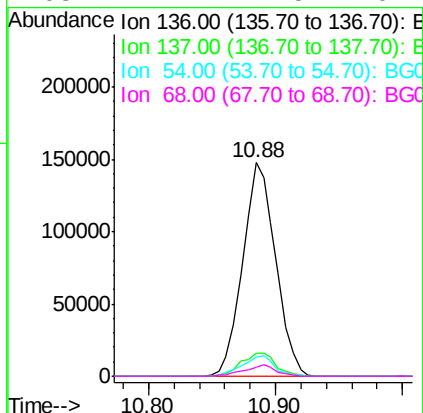
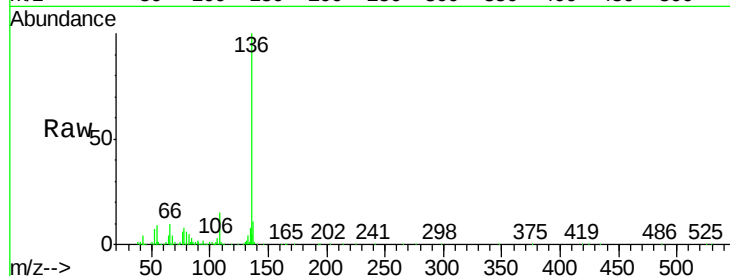




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034139.D
Acq: 3 May 2018 6:58

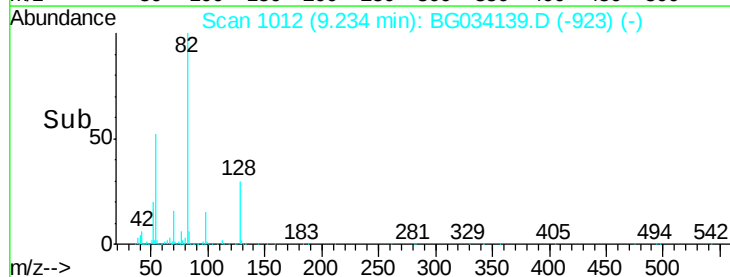
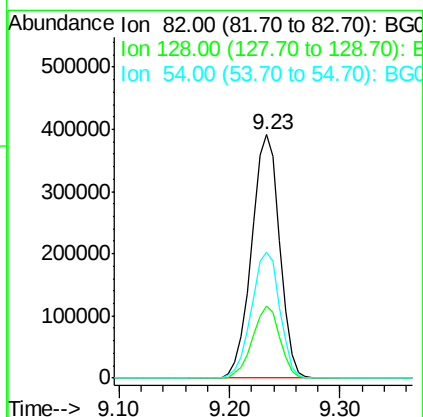
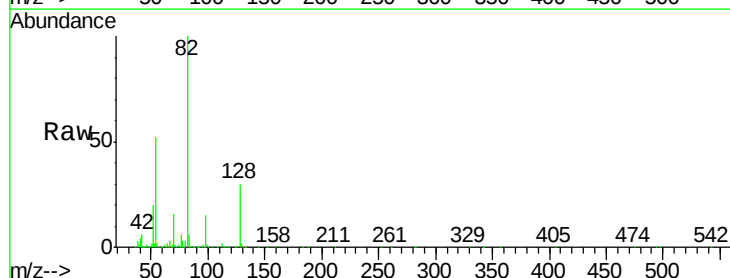
Instrument :
BNA_G
ClientSampleId :

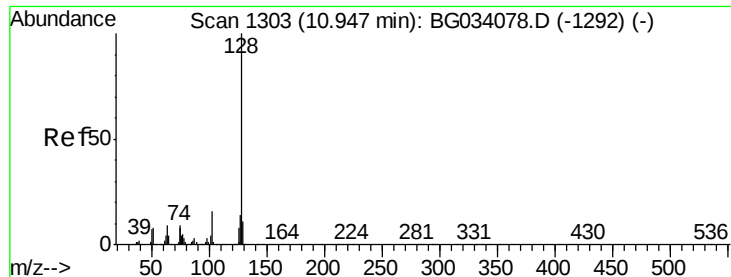
Tot Ion:136	Resp:	265482
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.2 13.8
54	8.9	10.3 15.5#
68	4.1	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 100.59 ng
RT: 9.23 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034139.D
Acq: 3 May 2018 6:58

Tgt Ion: 82	Resp:	696024
Ion Ratio	Lower	Upper
82	100	
128	29.5	29.7 44.5#
54	51.8	43.1 64.7

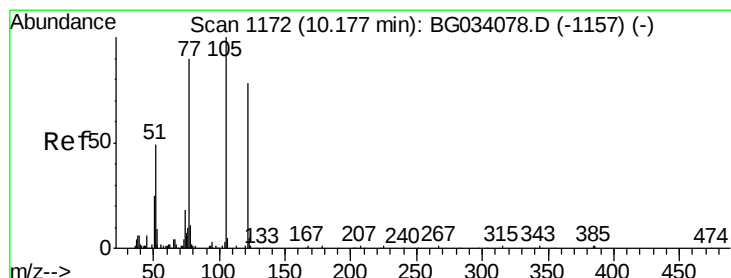
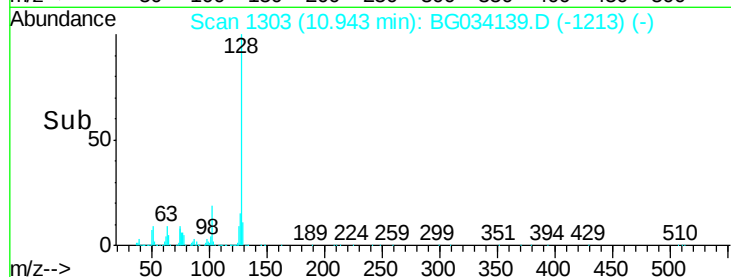
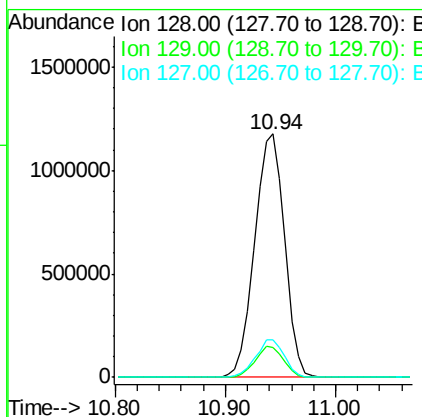
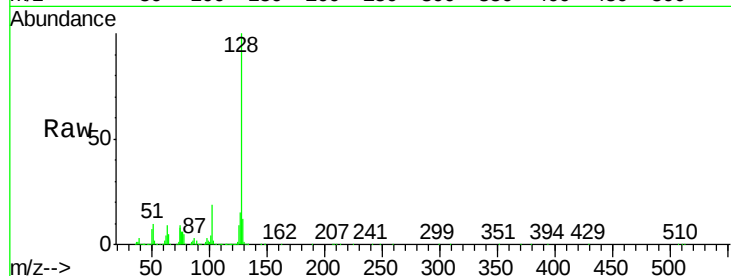




#31
Naphthalene
Concen: 159.99 ng
RT: 10.94 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BG034139.D
Acq: 3 May 2018 6:58

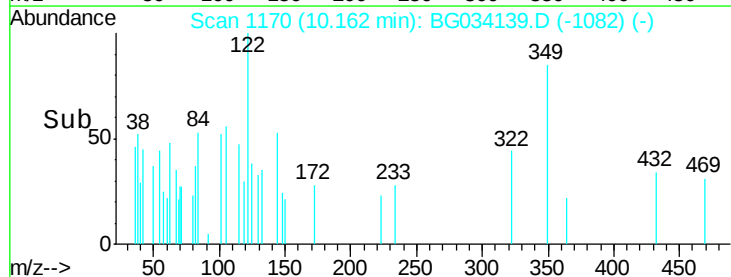
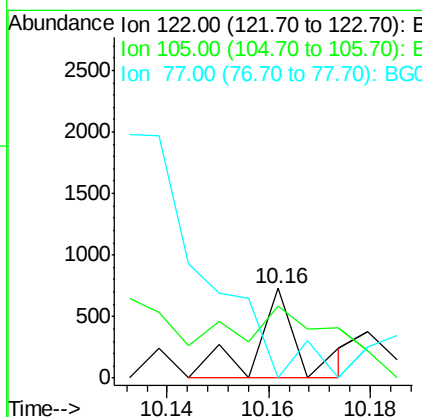
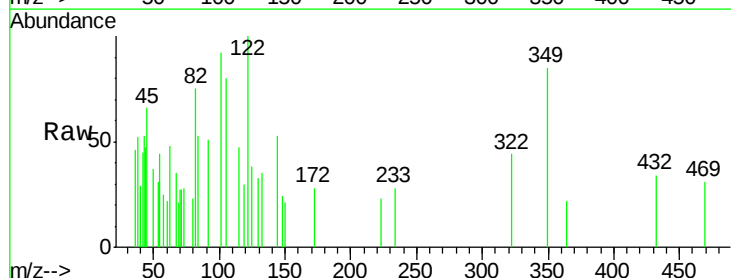
Instrument :
BNA_G
ClientSampleId :

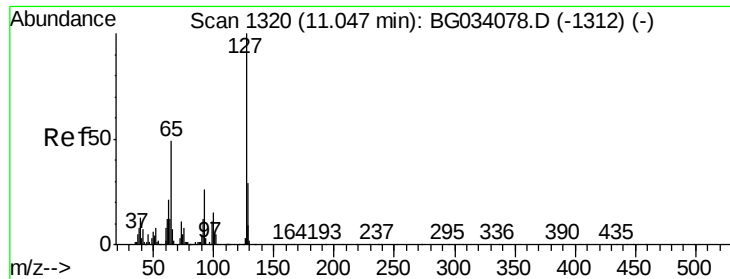
Tot Ion:128 Resp: 2232588
Ion Ratio Lower Upper
128 100
129 12.3 8.6 12.8
127 15.5 11.6 17.4



#32
Benzoic acid
Concen: 3.24 ng
RT: 10.16 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BG034139.D
Acq: 3 May 2018 6:58

Tgt Ion:122 Resp: 441
Ion Ratio Lower Upper
122 100
105 80.4 123.5 163.5#
77 0.0 85.7 125.7#

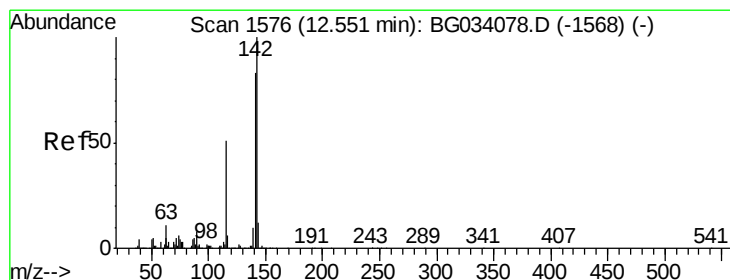
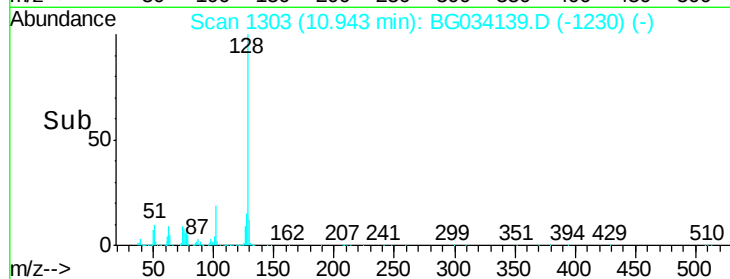
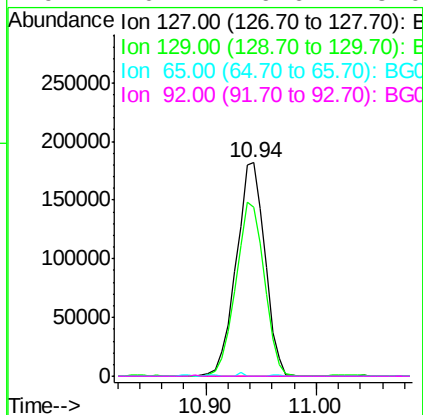
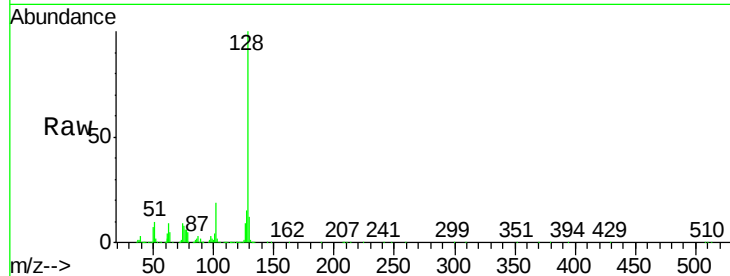




#33
4-Chloroaniline
Concen: 52.86 ng
RT: 10.94 min Scan# 1303
Delta R.T. -0.10 min
Lab File: BG034139.D
Acq: 3 May 2018 6:58

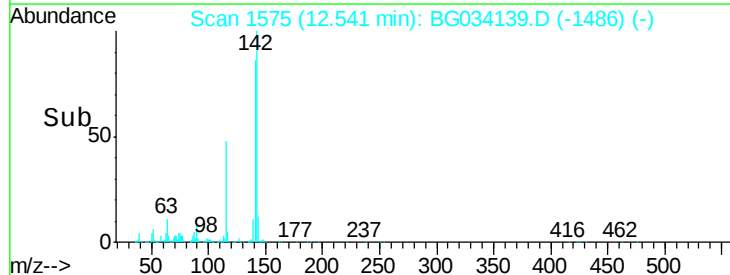
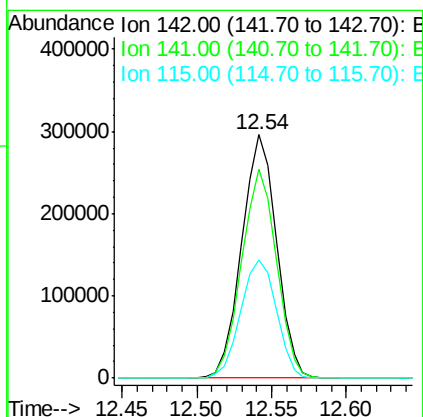
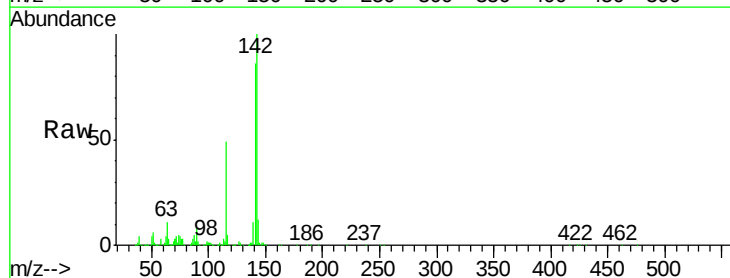
Instrument :
BNA_G
ClientSampleId :

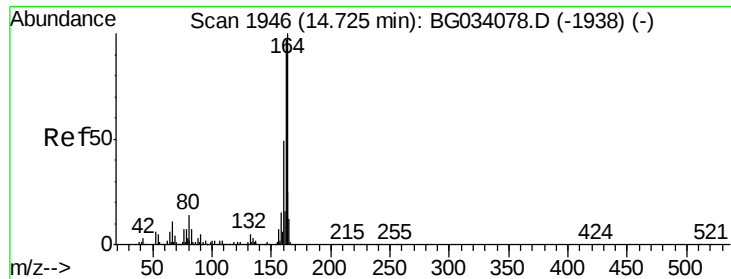
Tot Ion:	127	Resp:	332586
Ion	Ratio	Lower	Upper
127	100		
129	79.3	24.0	36.0#
65	0.0	27.0	40.4#
92	0.1	16.6	25.0#



#37
2-Methylnaphthalene
Concen: 42.19 ng
RT: 12.54 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BG034139.D
Acq: 3 May 2018 6:58

Tgt Ion:	142	Resp:	477412
Ion	Ratio	Lower	Upper
142	100		
141	86.1	67.1	100.7
115	48.7	30.7	46.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.02 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

Instrument :

BNA_G

ClientSampleId :

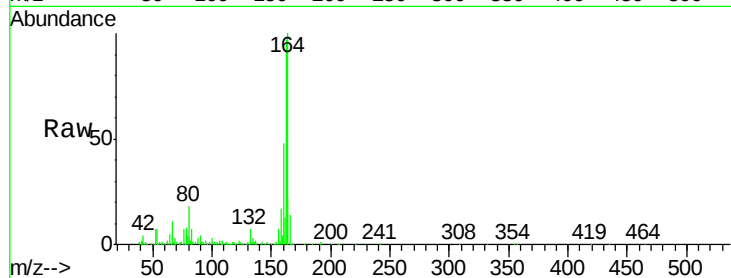
Tot Ion:164 Resp: 207543

Ion Ratio Lower Upper

164 100

162 97.4 78.8 118.2

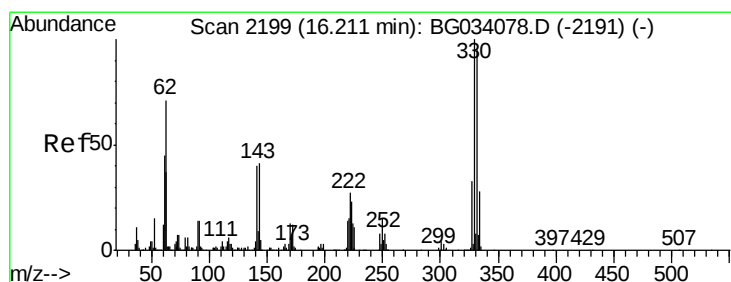
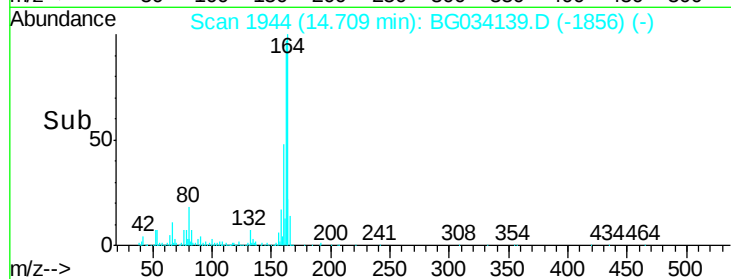
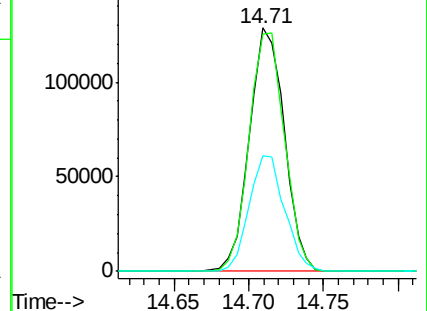
160 47.7 35.4 53.0



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: 158.11 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

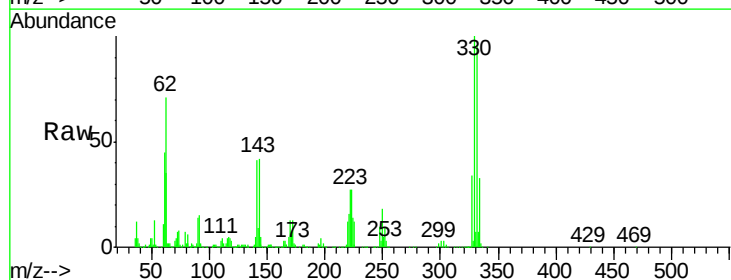
Tgt Ion:330 Resp: 454391

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

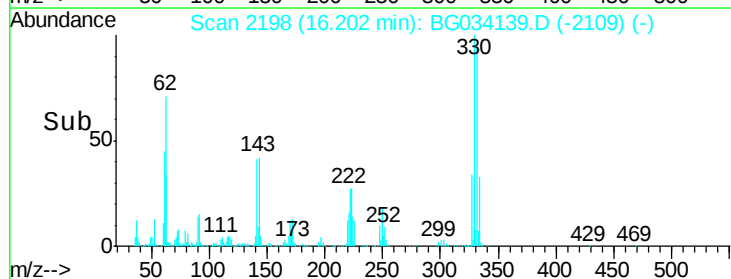
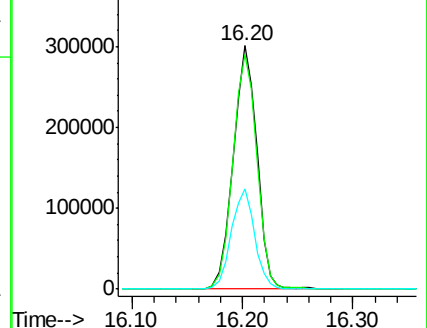
141 40.4 25.2 37.8#

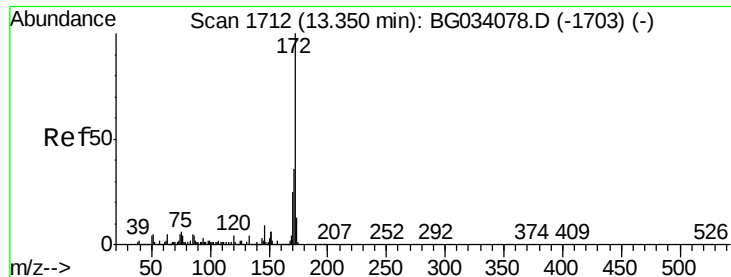


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



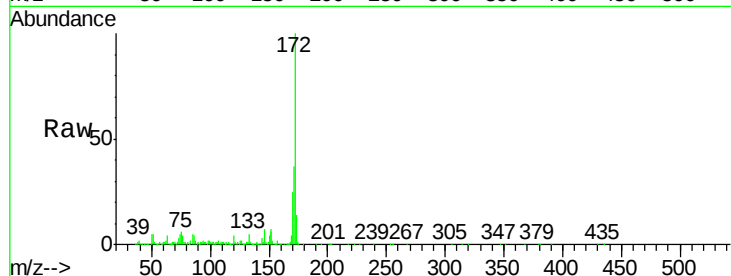


#44
 2-Fluorobiphenyl
 Concen: 96.90 ng
 RT: 13.33 min Scan# 1710
 Delta R.T. -0.02 min
 Lab File: BG034139.D
 Acq: 3 May 2018 6:58

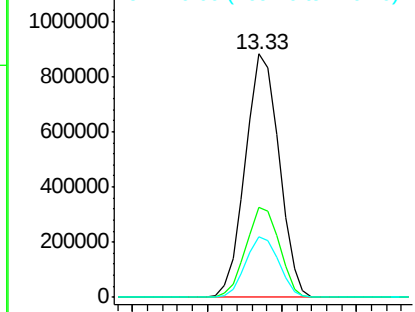
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1380091

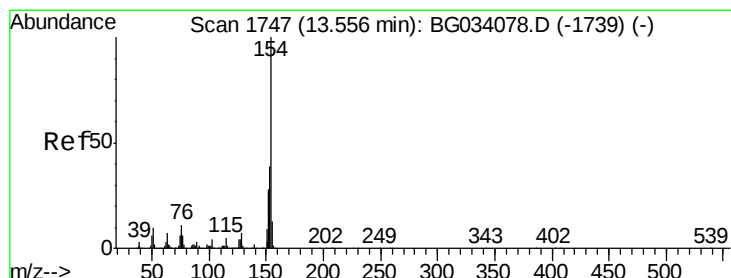
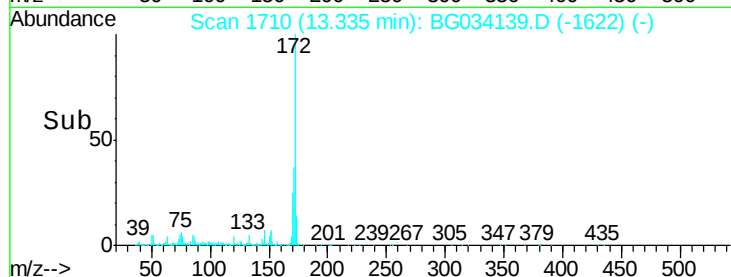
Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.0	45.0
170	24.9	19.5	29.3



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



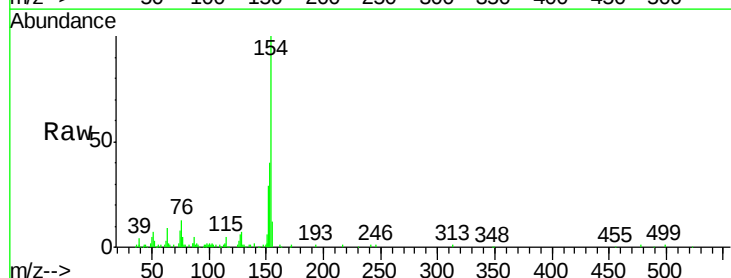
Time--> 13.25 13.30 13.35 13.40



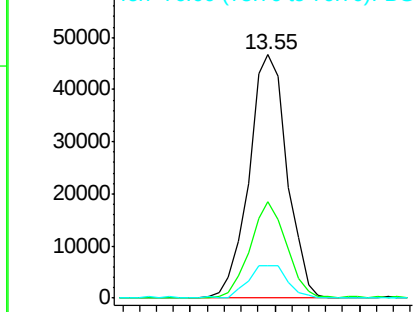
#45
 1,1'-Biphenyl
 Concen: 4.49 ng
 RT: 13.55 min Scan# 1746
 Delta R.T. -0.01 min
 Lab File: BG034139.D
 Acq: 3 May 2018 6:58

Tgt Ion:154 Resp: 72806

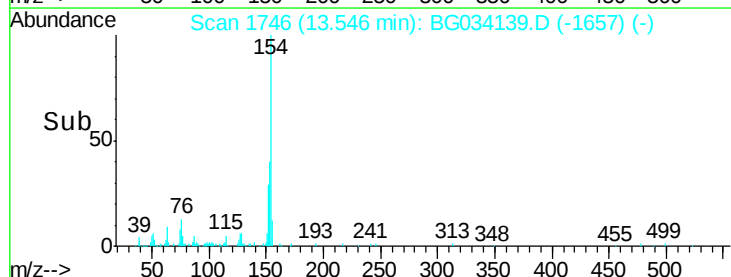
Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.8	59.8
76	13.5	0.0	31.9

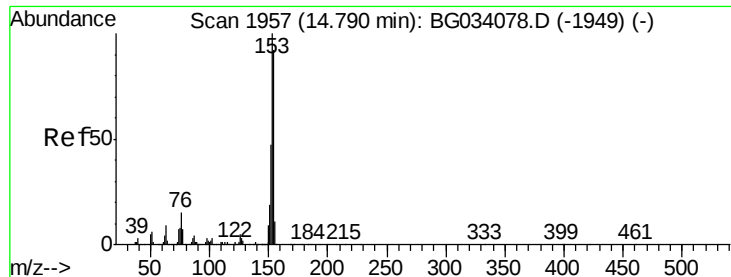


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BG



Time--> 13.50 13.55 13.60





#51

Acenaphthene

Concen: 16.34 ng

RT: 14.77 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

Instrument :

BNA_G

ClientSampleId :

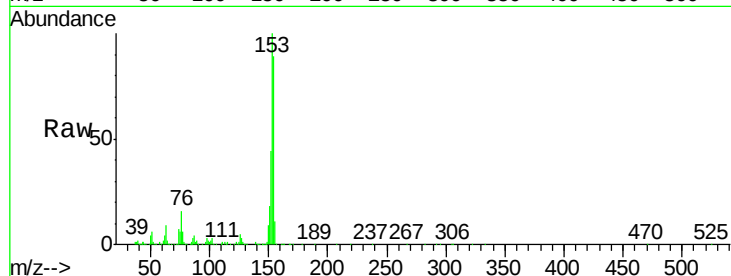
Tot Ion:154 Resp: 217658

Ion Ratio Lower Upper

154 100

153 112.2 90.4 135.6

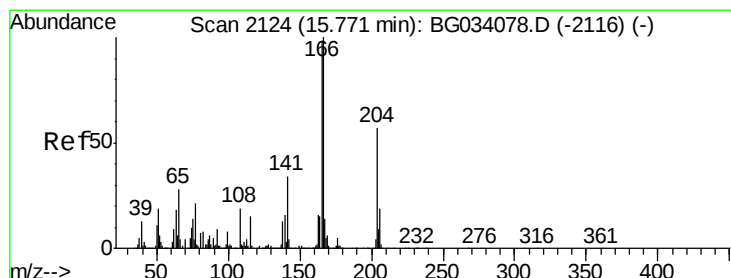
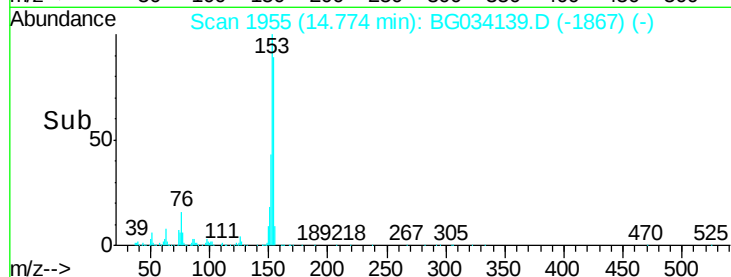
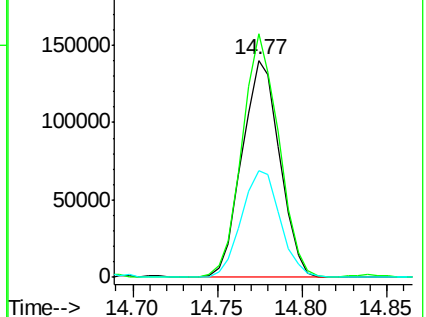
152 48.9 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 6.95 ng

RT: 15.76 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

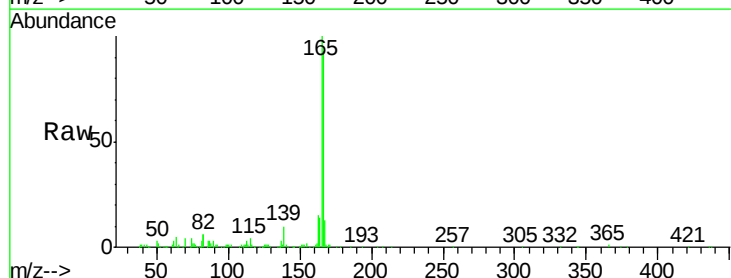
Tgt Ion:166 Resp: 117034

Ion Ratio Lower Upper

166 100

165 107.9 80.6 121.0

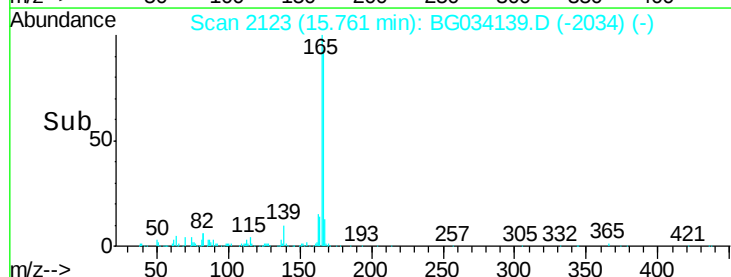
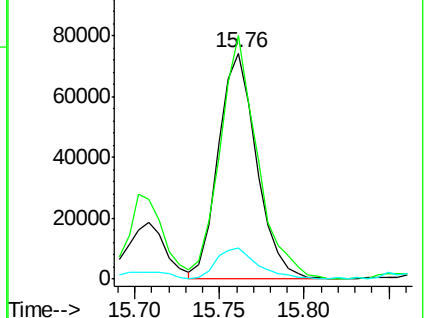
167 14.0 10.4 15.6

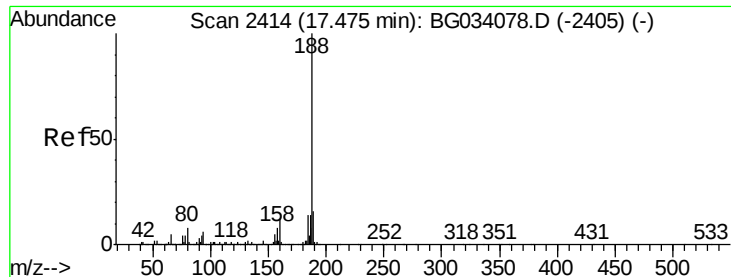


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

Instrument :

BNA_G

ClientSampleId :

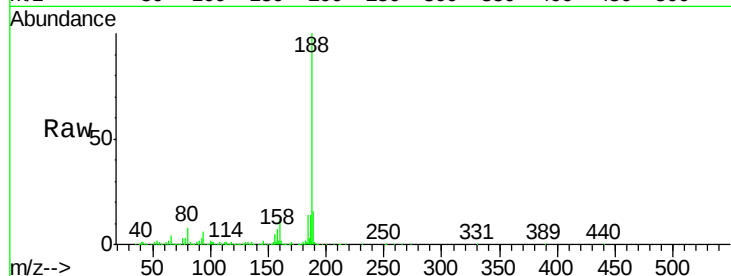
Tot Ion:188 Resp: 588860

Ion Ratio Lower Upper

188 100

94 6.0 6.9 10.3#

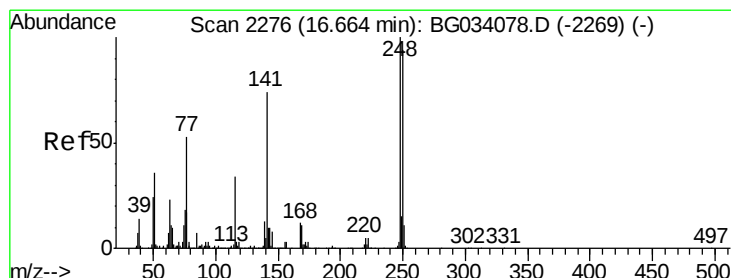
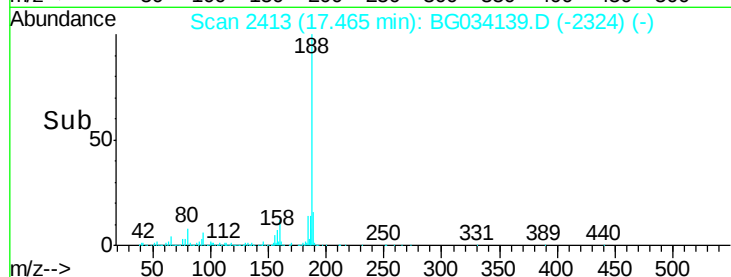
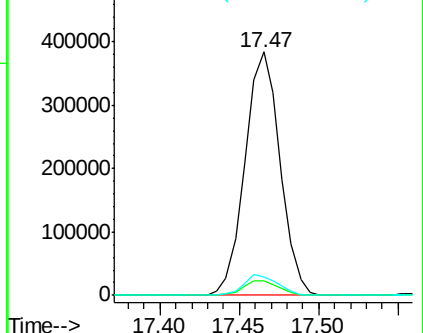
80 7.6 7.7 11.5#



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: 5.80 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.46 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

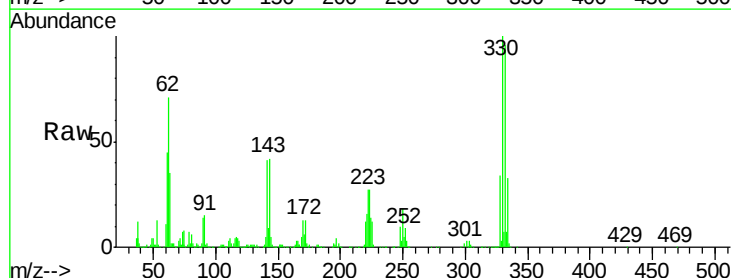
Tgt Ion:248 Resp: 42384

Ion Ratio Lower Upper

248 100

250 171.3 77.1 115.7#

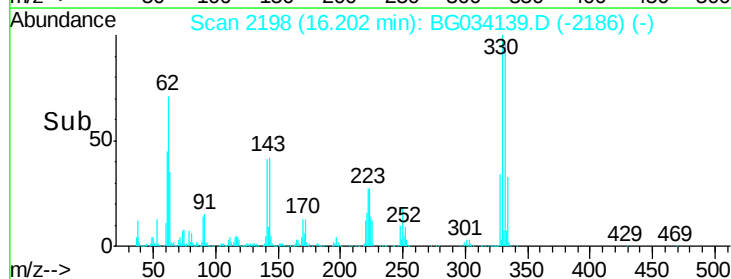
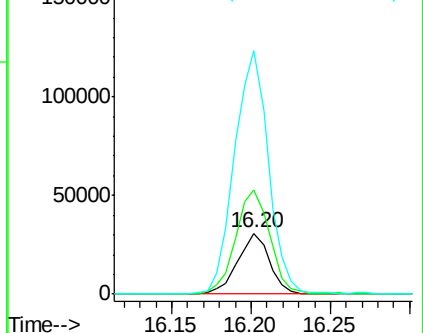
141 399.6 50.8 76.2#

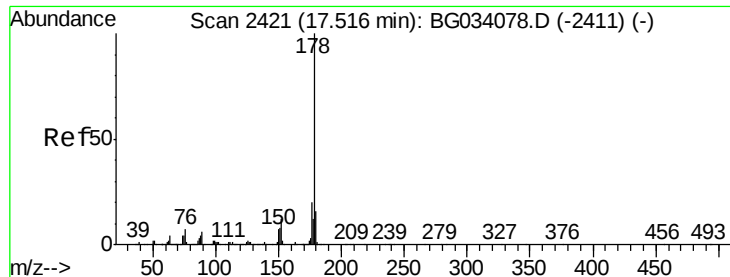


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

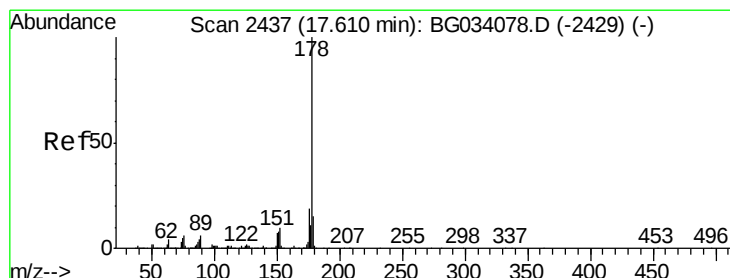
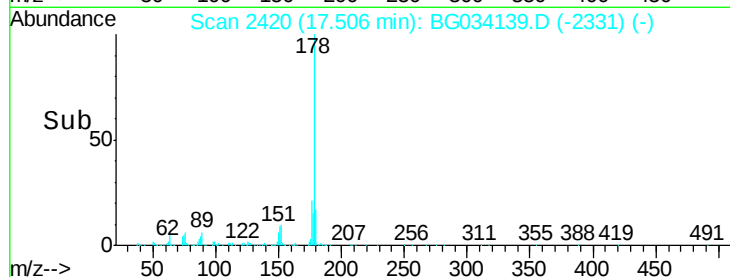
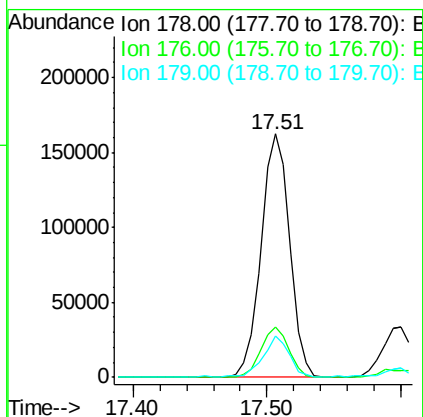
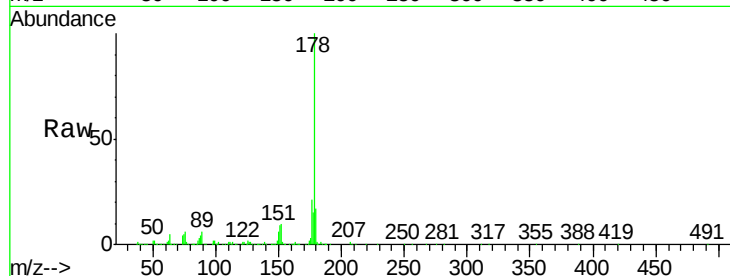




#70
Phenanthrene
Concen: 7.92 ng
RT: 17.51 min Scan# 2420
Delta R.T. -0.01 min
Lab File: BG034139.D
Acq: 3 May 2018 6:58

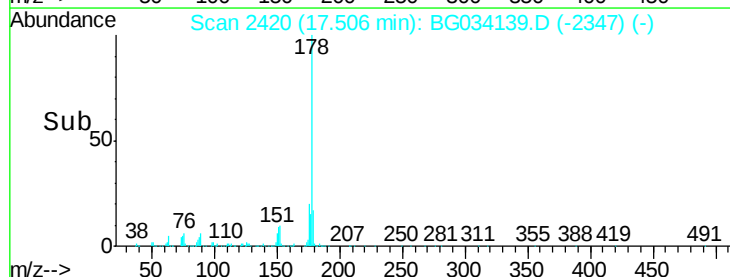
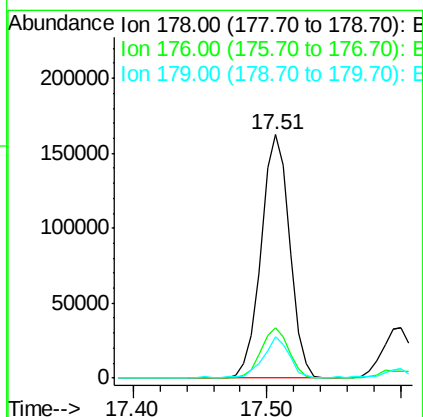
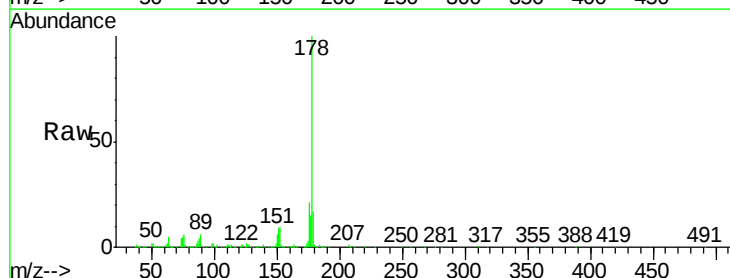
Instrument :
BNA_G
ClientSampleId :

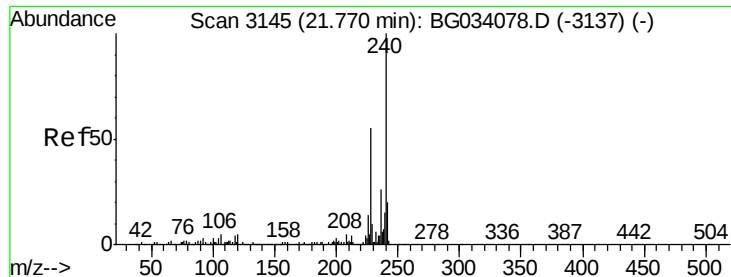
Tot Ion:178 Resp: 239775
Ion Ratio Lower Upper
178 100
176 20.5 15.7 23.5
179 17.1 12.5 18.7



#71
Anthracene
Concen: 7.82 ng
RT: 17.51 min Scan# 2420
Delta R.T. -0.10 min
Lab File: BG034139.D
Acq: 3 May 2018 6:58

Tgt Ion:178 Resp: 239775
Ion Ratio Lower Upper
178 100
176 20.5 16.0 24.0
179 17.1 12.5 18.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

Instrument :

BNA_G

ClientSampleId :

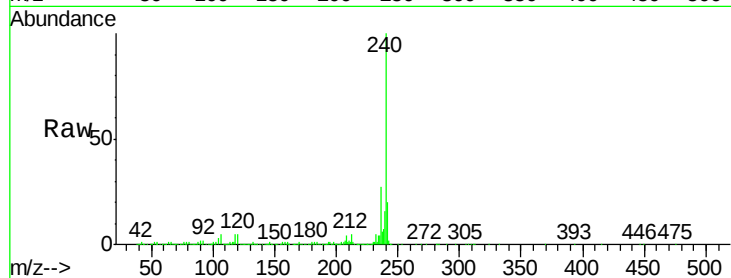
Tot Ion:240 Resp: 748884

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

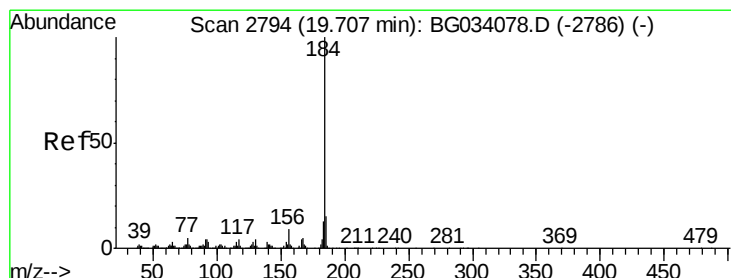
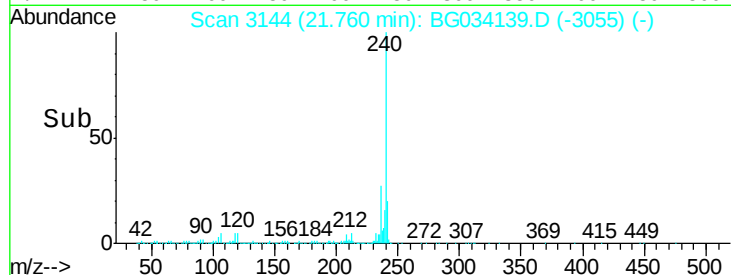
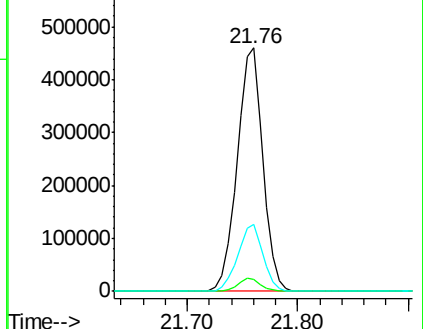
236 27.4 20.9 31.3



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: 12.25 ng

RT: 19.70 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

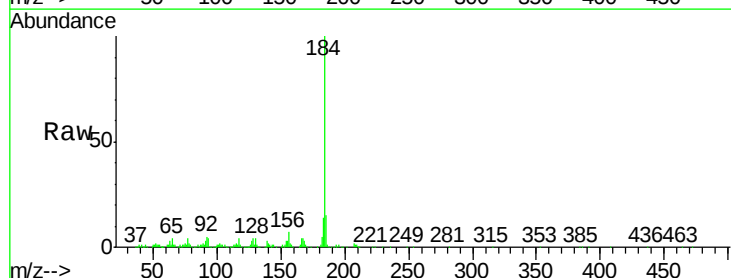
Tgt Ion:184 Resp: 236372

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

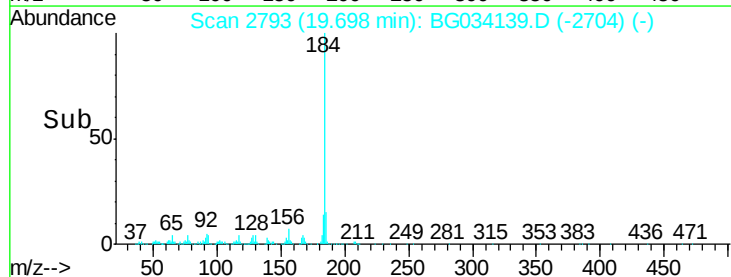
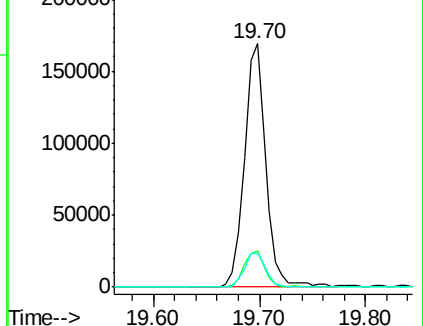
183 13.8 10.6 16.0

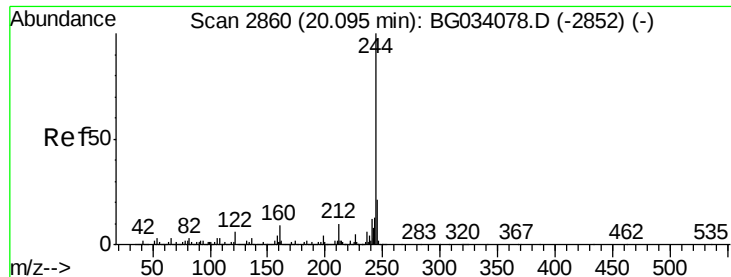


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 86.73 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

Instrument :

BNA_G

ClientSampleId :

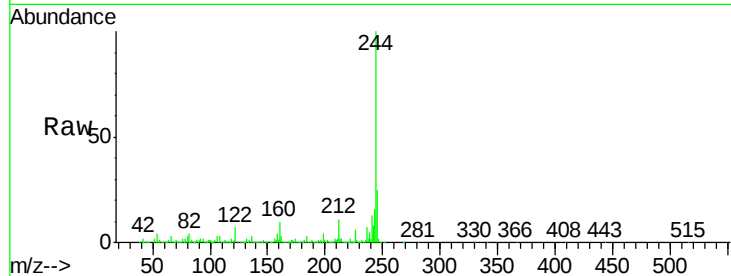
Tot Ion:244 Resp: 2965037

Ion Ratio Lower Upper

244 100

212 10.9 5.8 8.8#

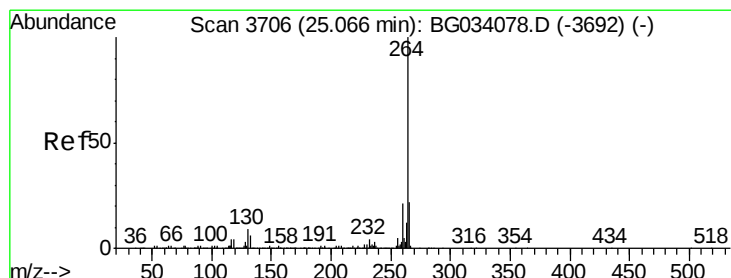
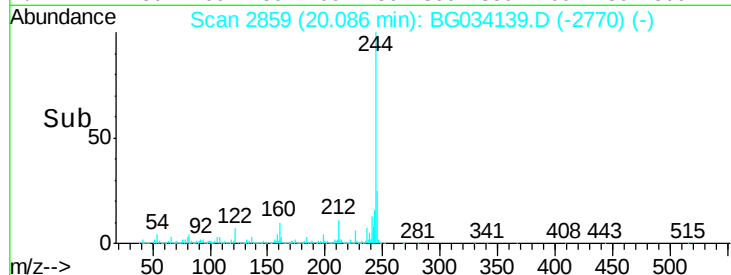
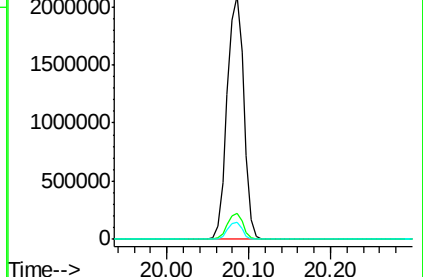
122 6.9 7.0 10.4#



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: 20.00 ng

RT: 25.04 min Scan# 3702

Delta R.T. -0.03 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

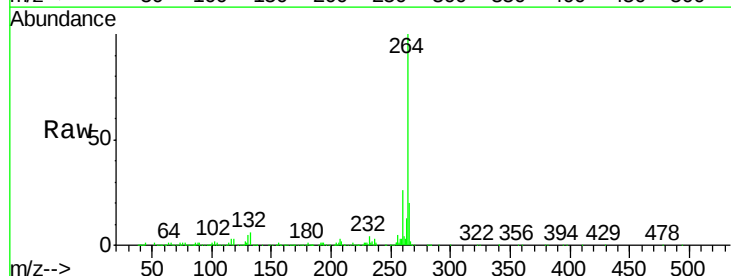
Tgt Ion:264 Resp: 752577

Ion Ratio Lower Upper

264 100

260 25.8 17.4 26.0

265 20.2 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

