

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 :
 AMENDED-COMPOSITE-P4-WC

Quant Time: May 03 08:20:02 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

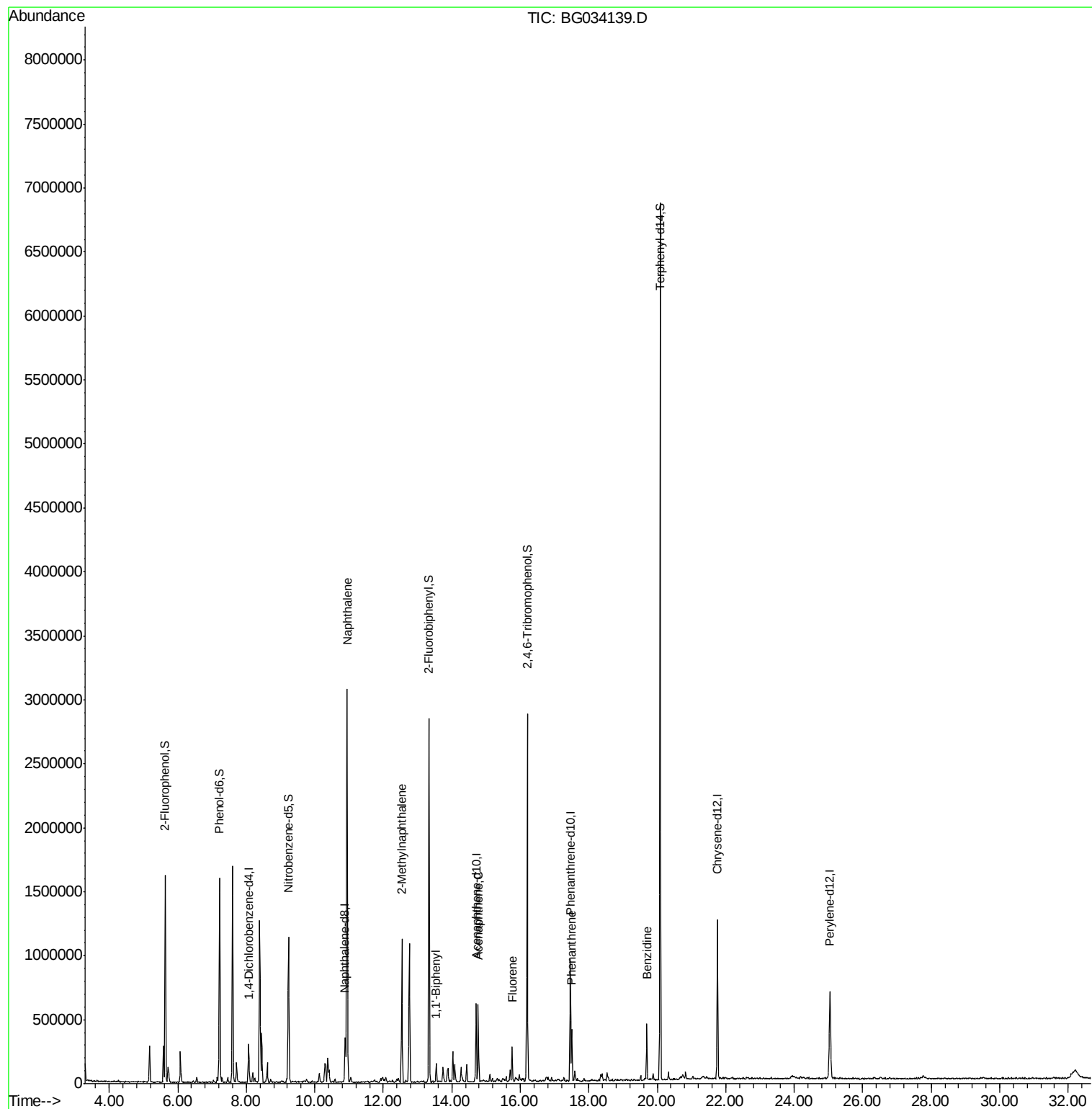
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	69200	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	265482	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	207543	20.00	ng	-0.02
63) Phenanthrene-d10	17.47	188	588860	20.00	ng	0.00
75) Chrysene-d12	21.76	240	748884	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						Qvalue
31) Naphthalene	10.94	128	2232588	159.994	ng	97
37) 2-Methylnaphthalene	12.54	142	477412	42.195	ng	# 93
45) 1,1'-Biphenyl	13.55	154	72806	4.491	ng	99
51) Acenaphthene	14.77	154	217658	16.342	ng	98
57) Fluorene	15.76	166	117034	6.954	ng	93
70) Phenanthrene	17.51	178	239775	7.924	ng	97
76) Benzdine	19.70	184	236372	12.253	ng	98

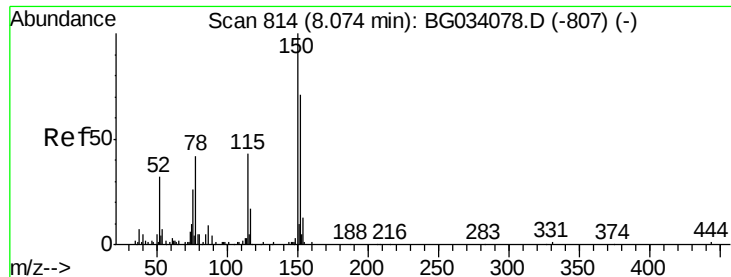
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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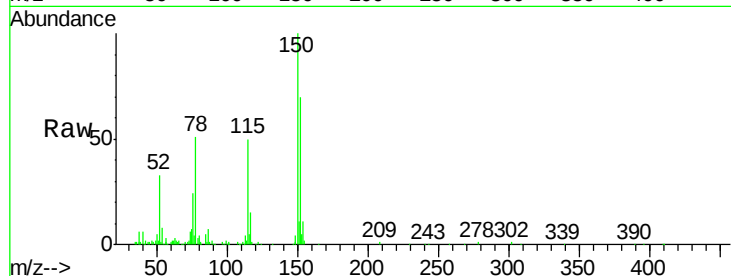


#1

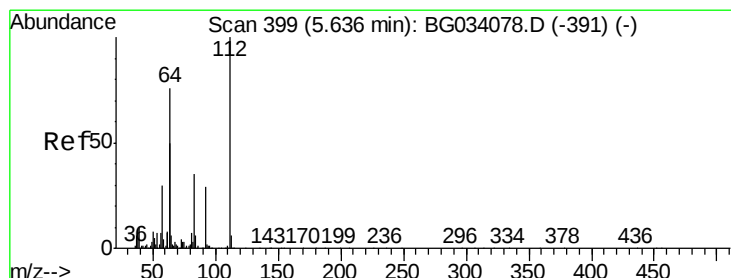
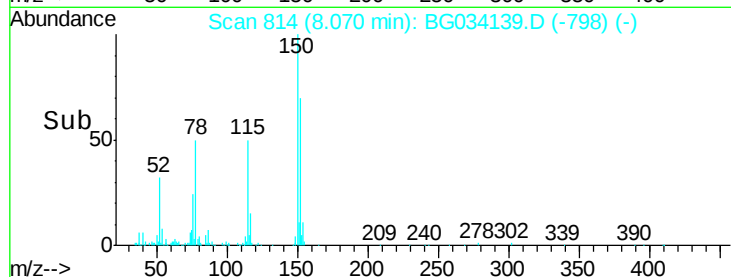
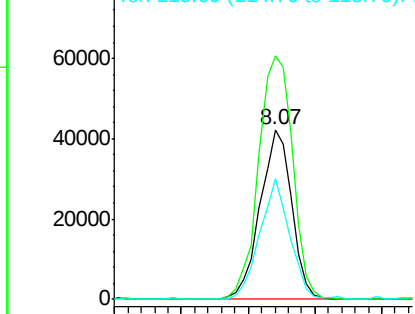
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034139.D
Acq: 3 May 2018 6:58

Instrument :
BNA_G
ClientSampleId :
AMENDED-COMPOSITE-P4-WC

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



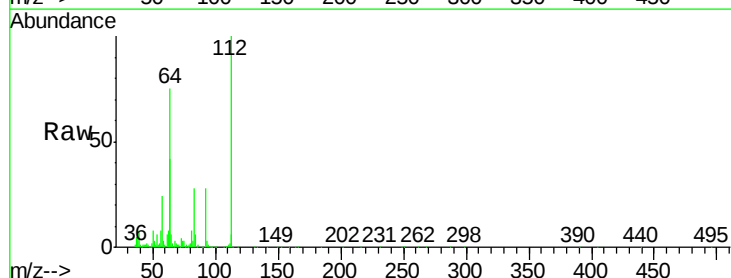
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



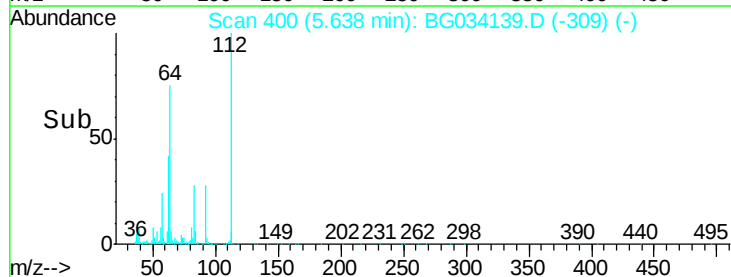
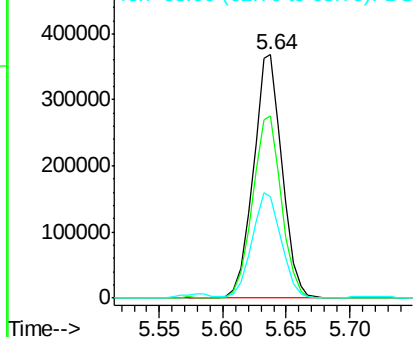
#5

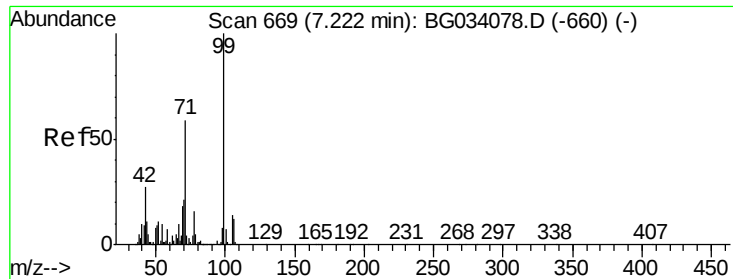
2-Fluorophenol
Concen: 135.171 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG034139.D
Acq: 3 May 2018 6:58

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): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 115.640 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

ClientSampleId :

AMENDED-COMPOSITE-P4-WC

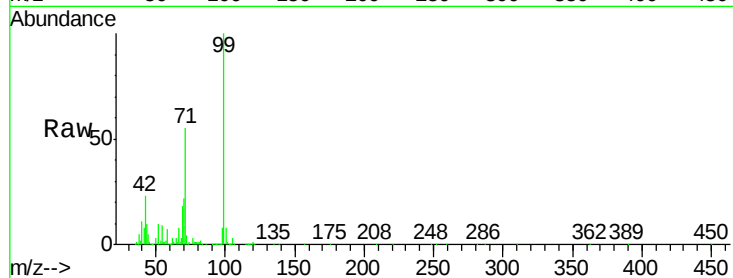
Tot Ion: 99 Resp: 771094

Ion Ratio Lower Upper

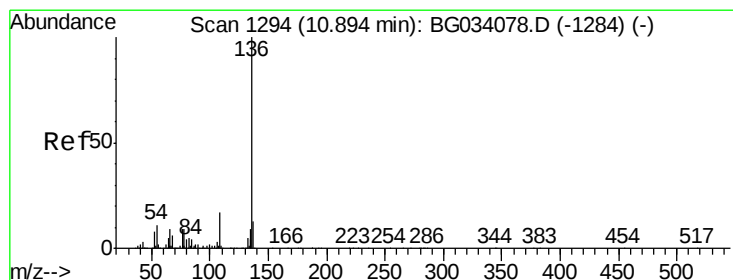
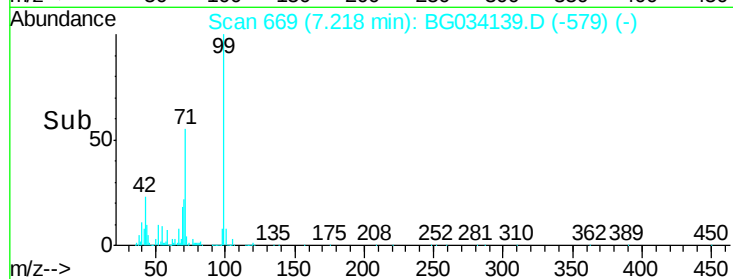
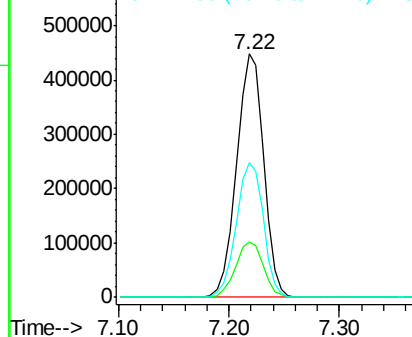
99 100

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.88 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

Tgt Ion: 136 Resp: 265482

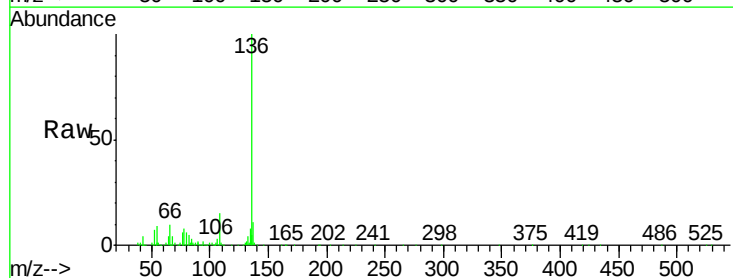
Ion Ratio Lower Upper

136 100

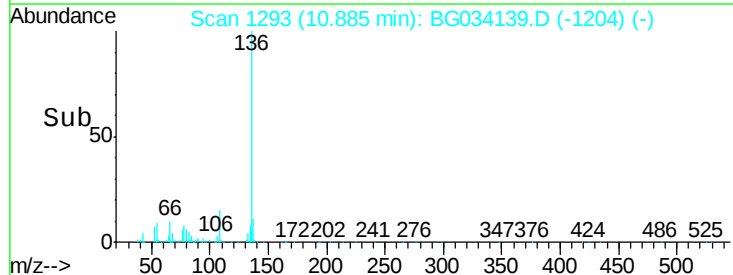
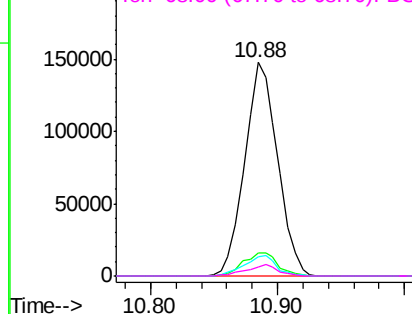
137 11.1 9.2 13.8

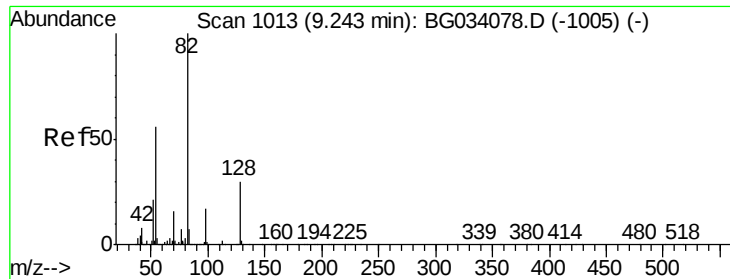
54 8.9 10.3 15.5#

68 4.1 4.5 6.7#



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





#23

Nitrobenzene-d5

Concen: 100.591 ng

RT: 9.23 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

Instrument :

BNA_G

ClientSampleId :

AMENDED-COMPOSITE-P4-WC

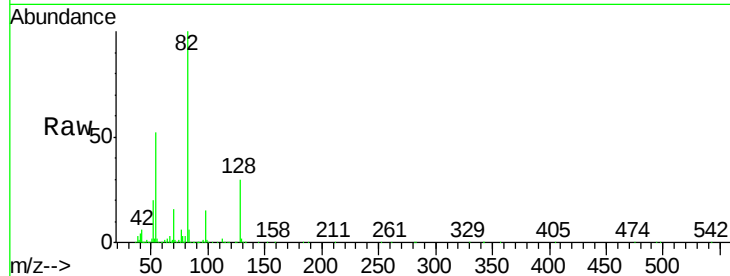
Tot Ion: 82 Resp: 696024

Ion Ratio Lower Upper

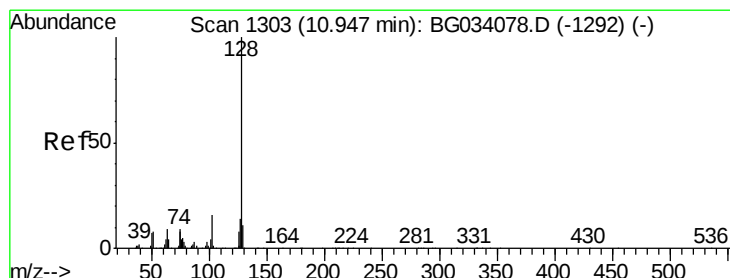
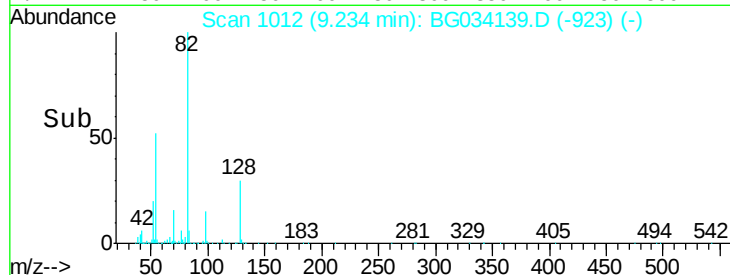
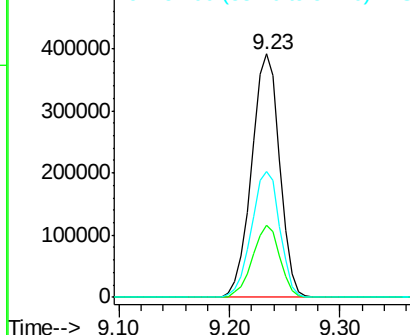
82 100

128 29.5 29.7 44.5#

54 51.8 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: 159.994 ng

RT: 10.94 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

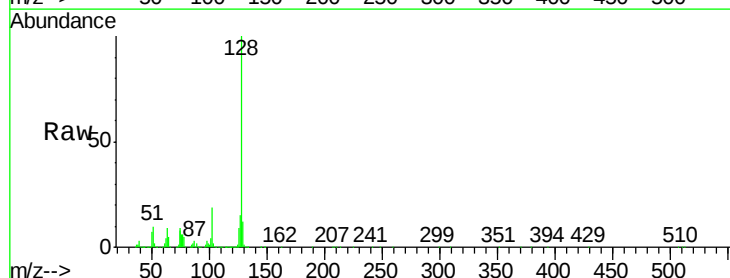
Tgt Ion:128 Resp: 2232588

Ion Ratio Lower Upper

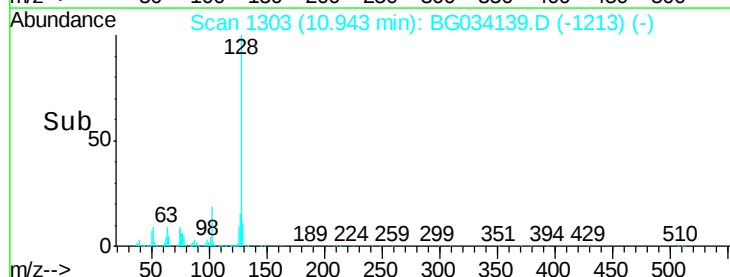
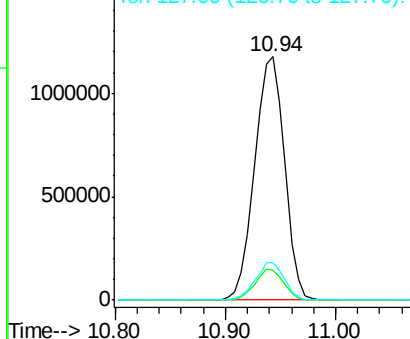
128 100

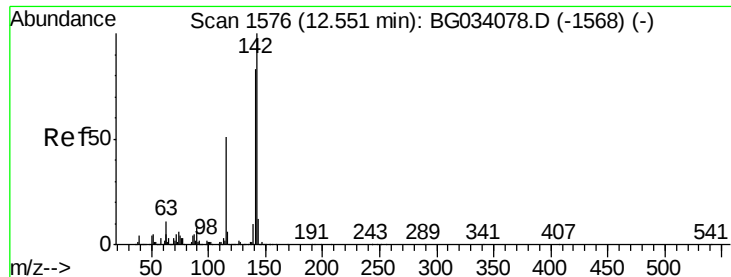
129 12.3 8.6 12.8

127 15.5 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





#37

2-Methylnaphthalene

Concen: 42.195 ng

RT: 12.54 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

Instrument :

BNA_G

ClientSampleId :

AMENDED-COMPOSITE-P4-WC

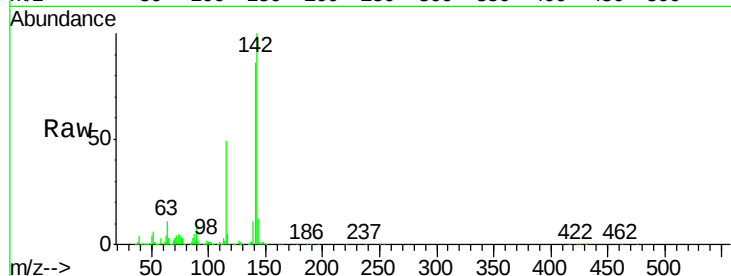
Tot Ion:142 Resp: 477412

Ion Ratio Lower Upper

142 100

141 86.1 67.1 100.7

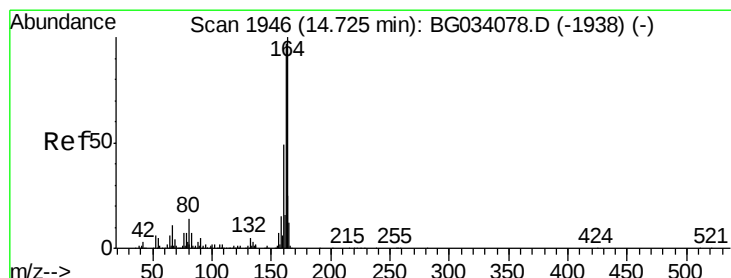
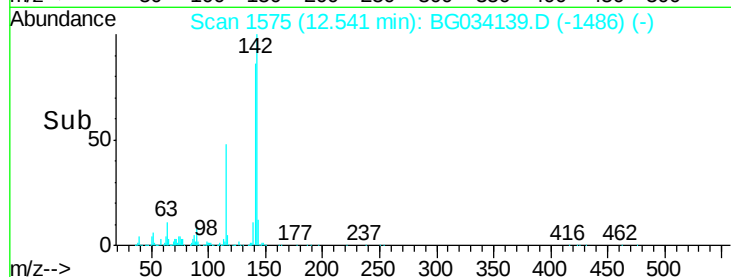
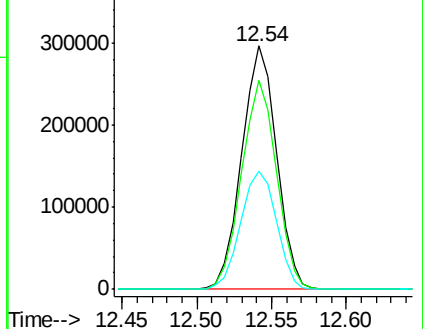
115 48.7 30.7 46.1#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.02 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

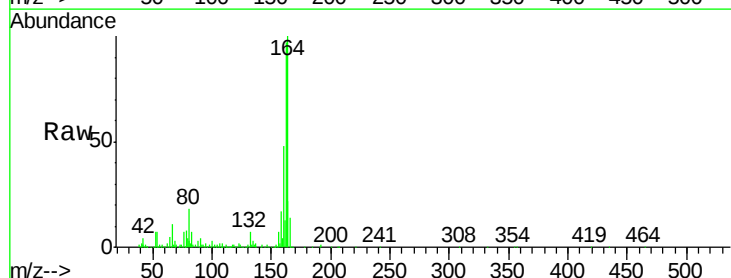
Tgt Ion:164 Resp: 207543

Ion Ratio Lower Upper

164 100

162 97.4 78.8 118.2

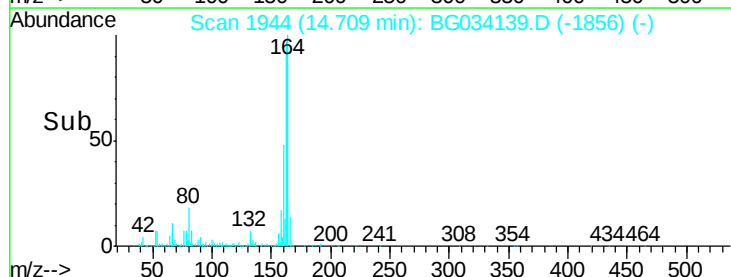
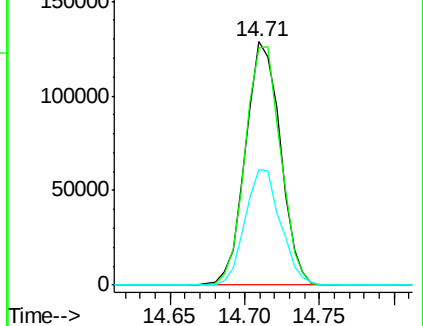
160 47.7 35.4 53.0

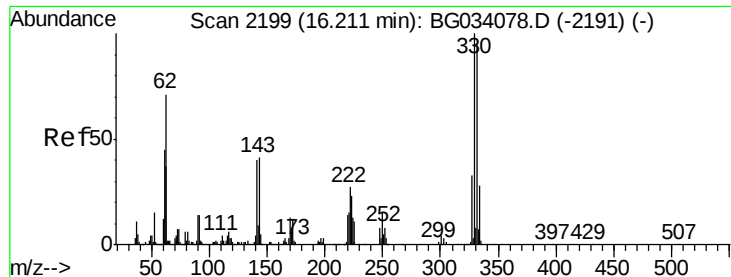


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

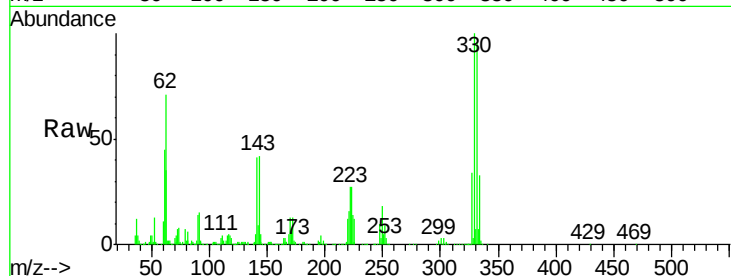




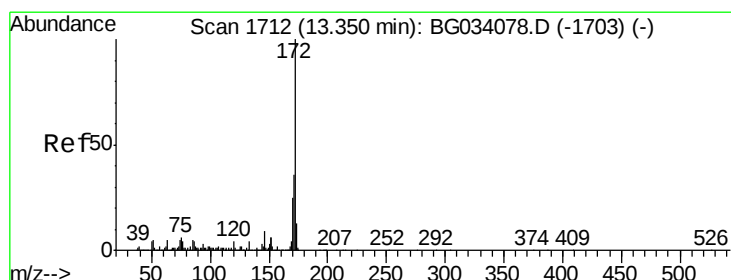
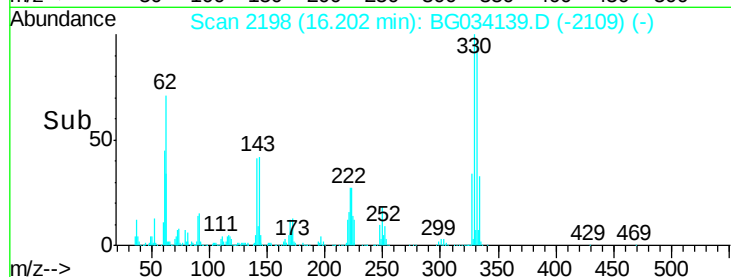
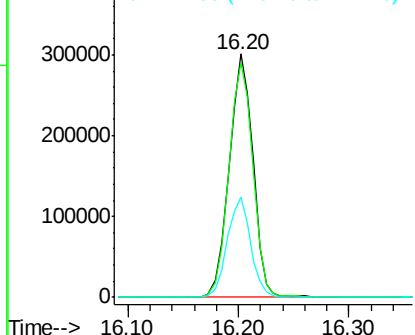
#41
 2,4,6-Tribromophenol
 Concen: 158.111 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034139.D
 Acq: 3 May 2018 6:58

Instrument :
 BNA_G
 ClientSampleId :
 AMENDED-COMPOSITE-P4-WC

Tot Ion:330 Resp: 454391
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.0 115.6
 141 40.4 25.2 37.8#

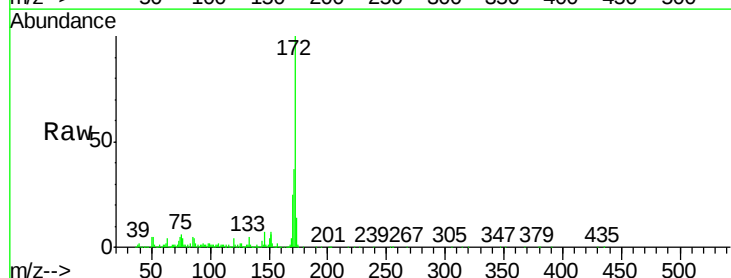


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

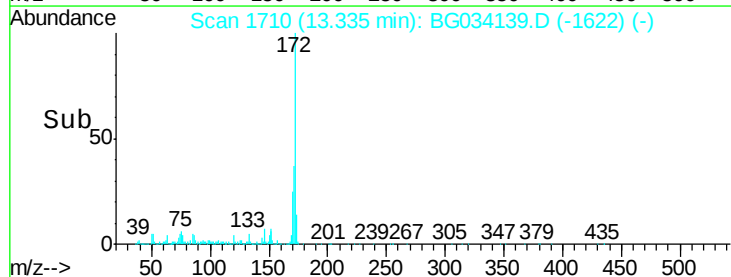
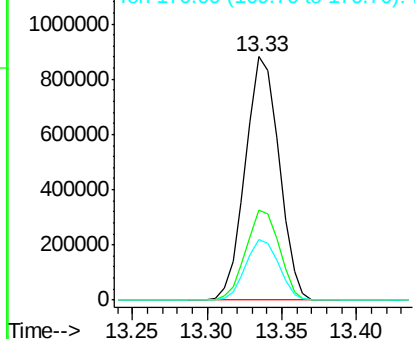


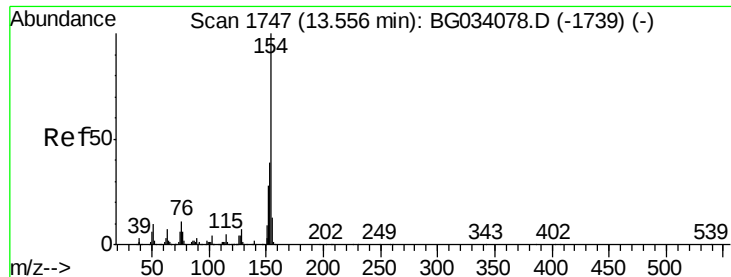
#44
 2-Fluorobiphenyl
 Concen: 96.896 ng
 RT: 13.33 min Scan# 1710
 Delta R.T. -0.02 min
 Lab File: BG034139.D
 Acq: 3 May 2018 6:58

Tgt 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





#45

1,1'-Biphenyl

Concen: 4.491 ng

RT: 13.55 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

Instrument :

BNA_G

ClientSampleId :

AMENDED-COMPOSITE-P4-WC

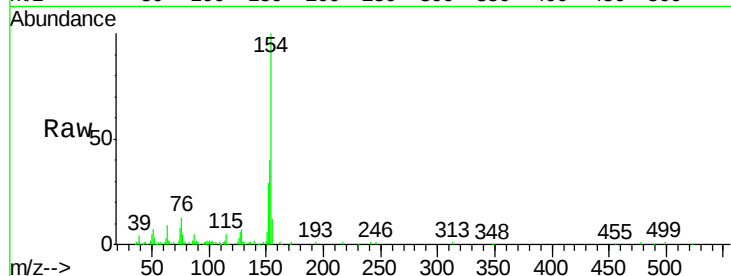
Tot Ion:154 Resp: 72806

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

154 100

153 39.7 19.8 59.8

76 13.5 0.0 31.9

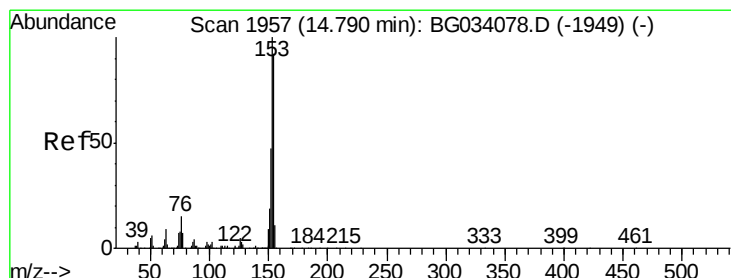
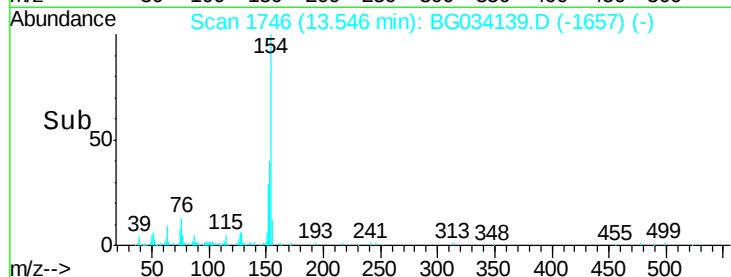
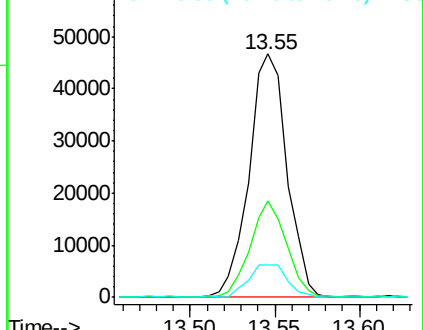


Abundance

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): BGC



#51

Acenaphthene

Concen: 16.342 ng

RT: 14.77 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

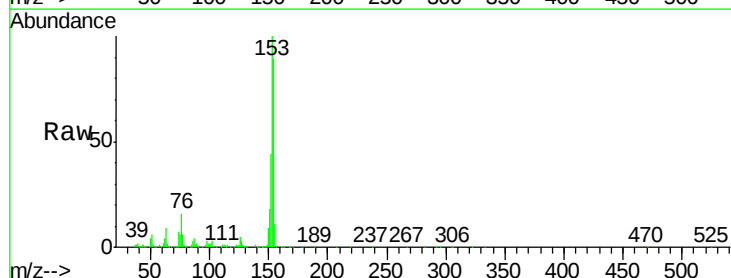
Tgt Ion:154 Resp: 217658

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.4	135.6
152	48.9	41.6	62.4

154 100

153 112.2 90.4 135.6

152 48.9 41.6 62.4

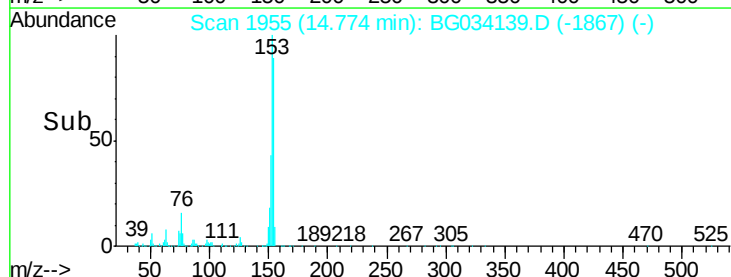
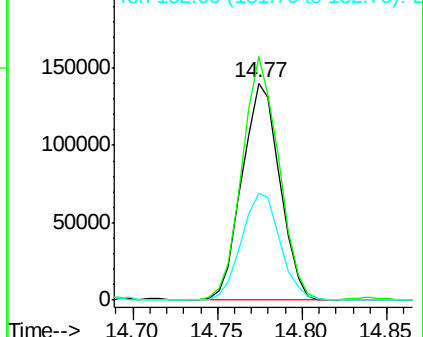


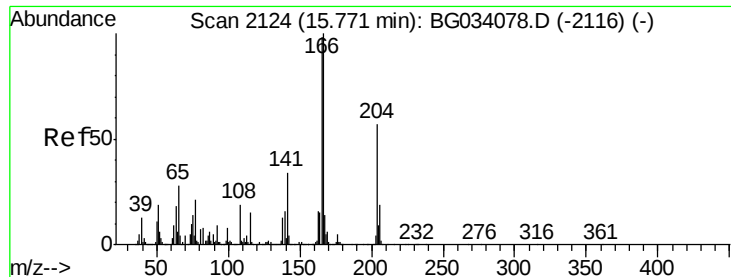
Abundance

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

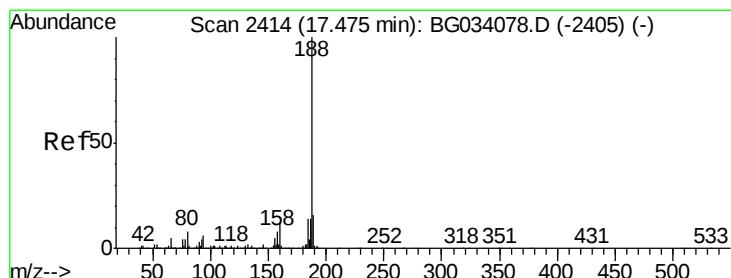
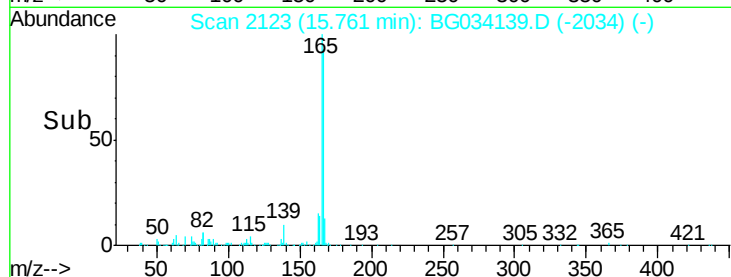
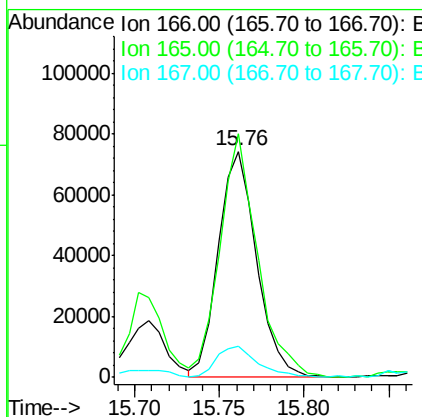
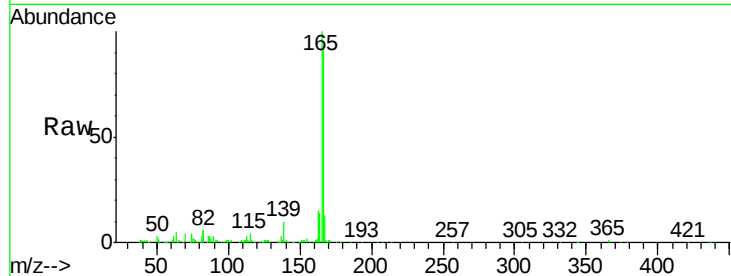




#57
Fluorene
 Concen: 6.954 ng
 RT: 15.76 min Scan# 2123
 Delta R.T. -0.01 min
 Lab File: BG034139.D
 Acq: 3 May 2018 6:58

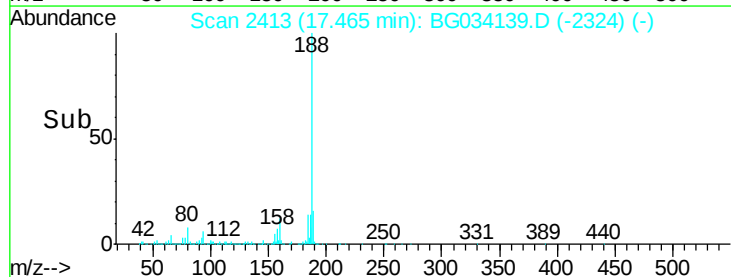
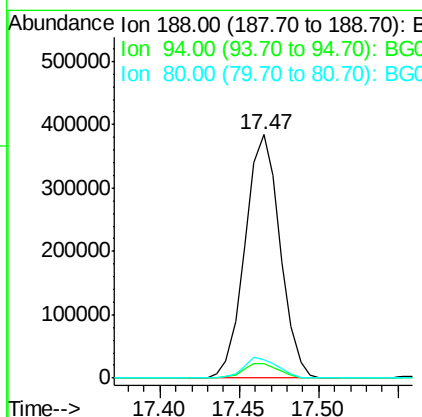
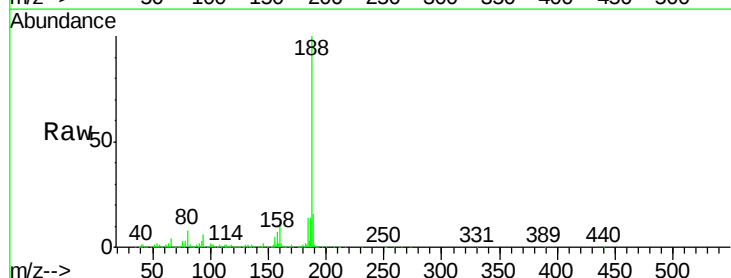
Instrument :
 BNA_G
 ClientSampleId :
 AMENDED-COMPOSITE-P4-WC

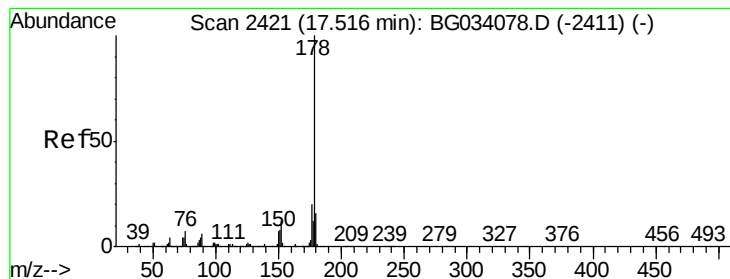
Tot Ion:166 Resp: 117034
 Ion Ratio Lower Upper
 166 100
 165 107.9 80.6 121.0
 167 14.0 10.4 15.6



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BG034139.D
 Acq: 3 May 2018 6:58

Tgt Ion:188 Resp: 588860
 Ion Ratio Lower Upper
 188 100
 94 6.0 6.9 10.3#
 80 7.6 7.7 11.5#





#70

Phenanthrene

Concen: 7.924 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 :

AMENDED-COMPOSITE-P4-WC

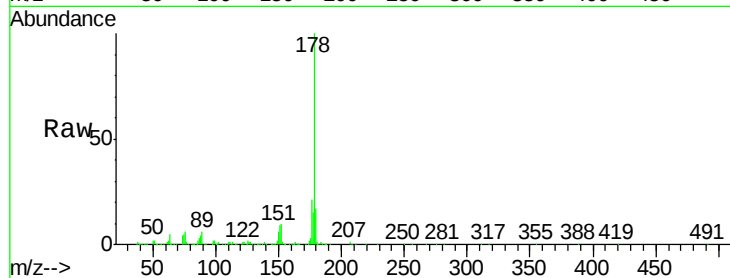
Tot Ion:178 Resp: 239775

Ion Ratio Lower Upper

178 100

176 20.5 15.7 23.5

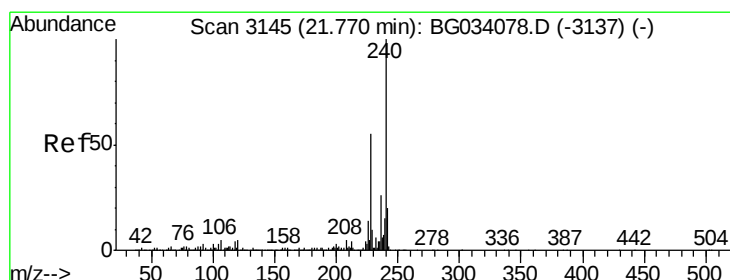
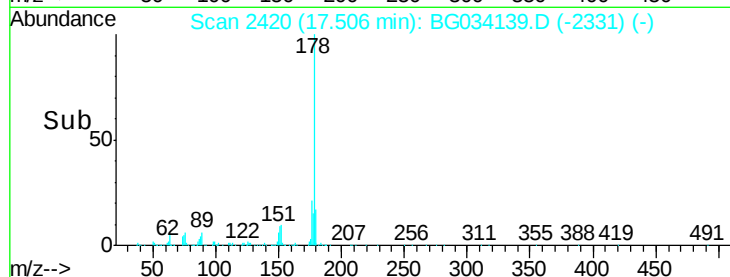
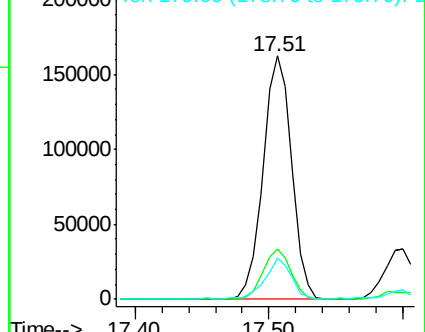
179 17.1 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

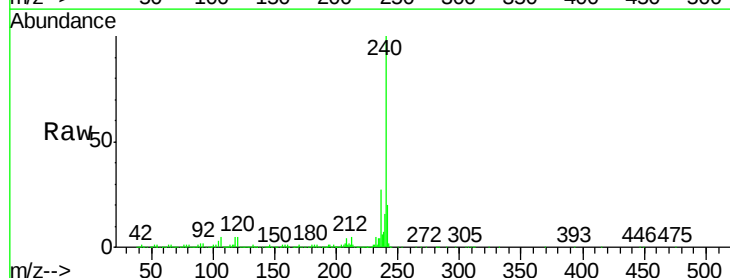
Tgt Ion:240 Resp: 748884

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

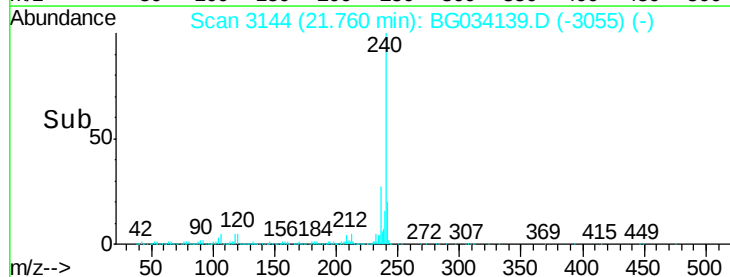
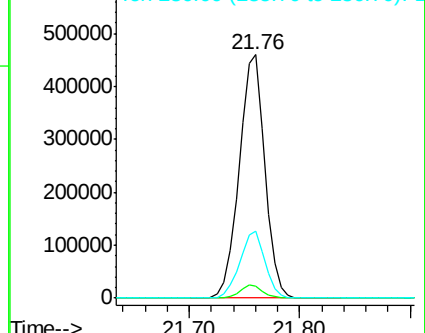
236 27.4 20.9 31.3

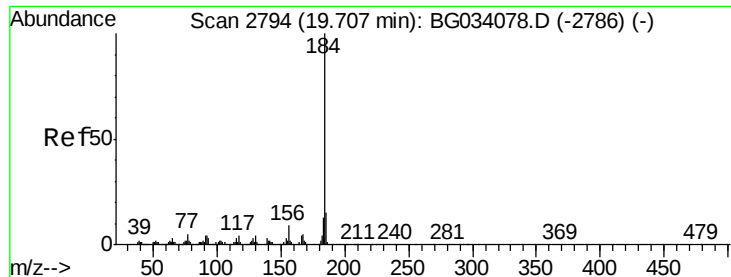


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 12.253 ng

RT: 19.70 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

Instrument :

BNA_G

ClientSampleId :

AMENDED-COMPOSITE-P4-WC

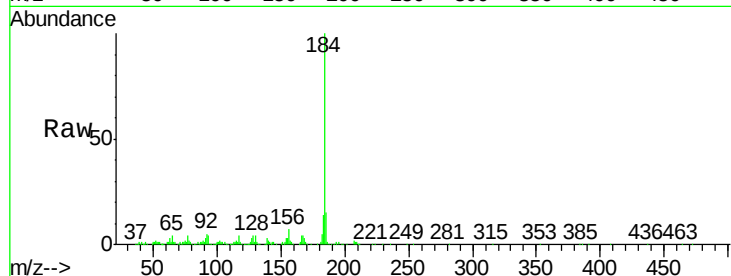
Tot Ion:184 Resp: 236372

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

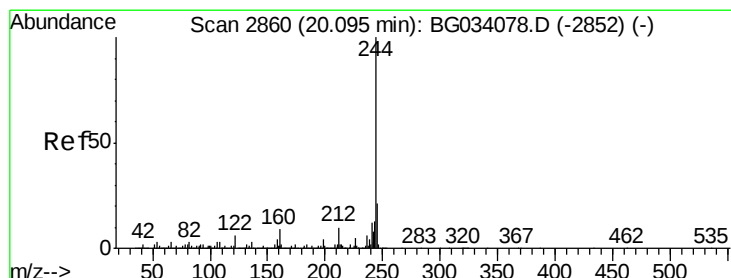
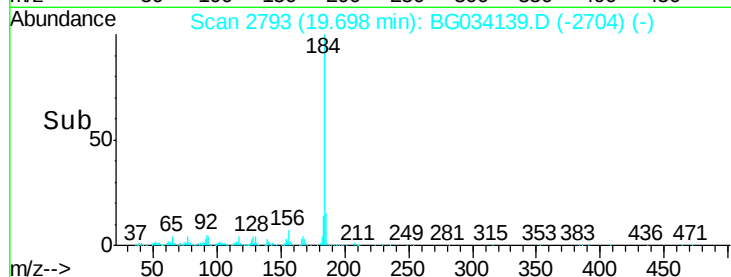
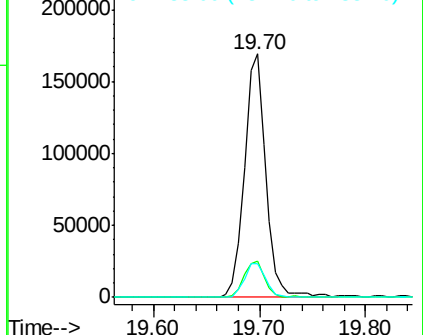
183 13.8 10.6 16.0



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: 86.734 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG034139.D

Acq: 3 May 2018 6:58

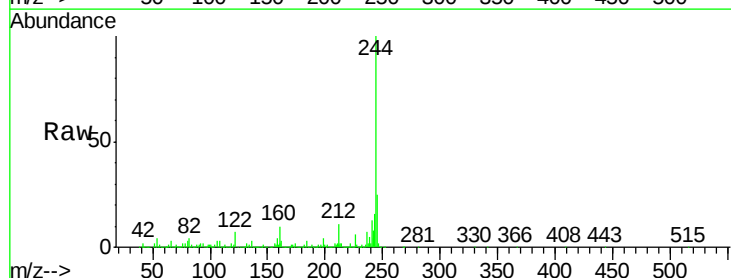
Tgt Ion:244 Resp: 2965037

Ion Ratio Lower Upper

244 100

212 10.9 5.8 8.8#

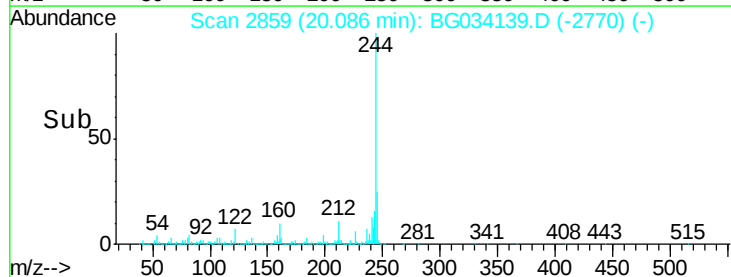
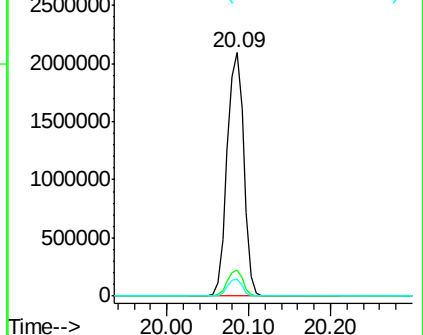
122 6.9 7.0 10.4#

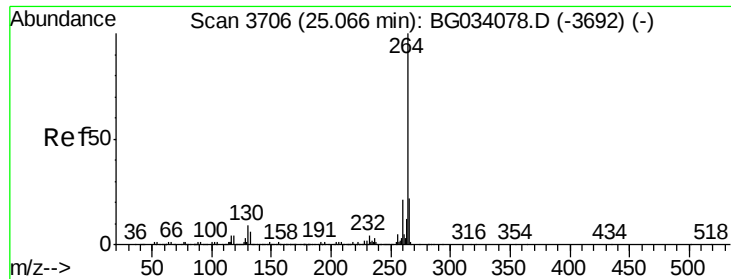


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.04 min Scan# 3702
Delta R.T. -0.03 min
Lab File: BG034139.D
Acq: 3 May 2018 6:58

Instrument :
BNA_G
ClientSampleId :
AMENDED-COMPOSITE-P4-WC

Tot Ion:	264	Resp:	752577
Ion	Ratio	Lower	Upper
264	100		
260	25.8	17.4	26.0
265	20.2	17.7	26.5

