

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034132.D
 Acq On : 3 May 2018 1:15
 Operator : SJ/JU
 Sample : J2652-21
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE-P4-WC

Quant Time: May 03 06:36:14 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	77574	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	300423	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	254854	20.00	ng	-0.01
63) Phenanthrene-d10	17.47	188	717430	20.00	ng	0.00
75) Chrysene-d12	21.76	240	755379	20.00	ng	-0.01
86) Perylene-d12	25.05	264	749601	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	656922	136.82	ng	0.00
7) Phenol-d6	7.22	99	901073	120.55	ng	0.00
23) Nitrobenzene-d5	9.24	82	797330	101.83	ng	0.00
41) 2,4,6-Tribromophenol	16.20	330	561562	159.13	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1615593	92.37	ng	-0.01
78) Terphenyl-d14	20.09	244	3264341	94.67	ng	0.00

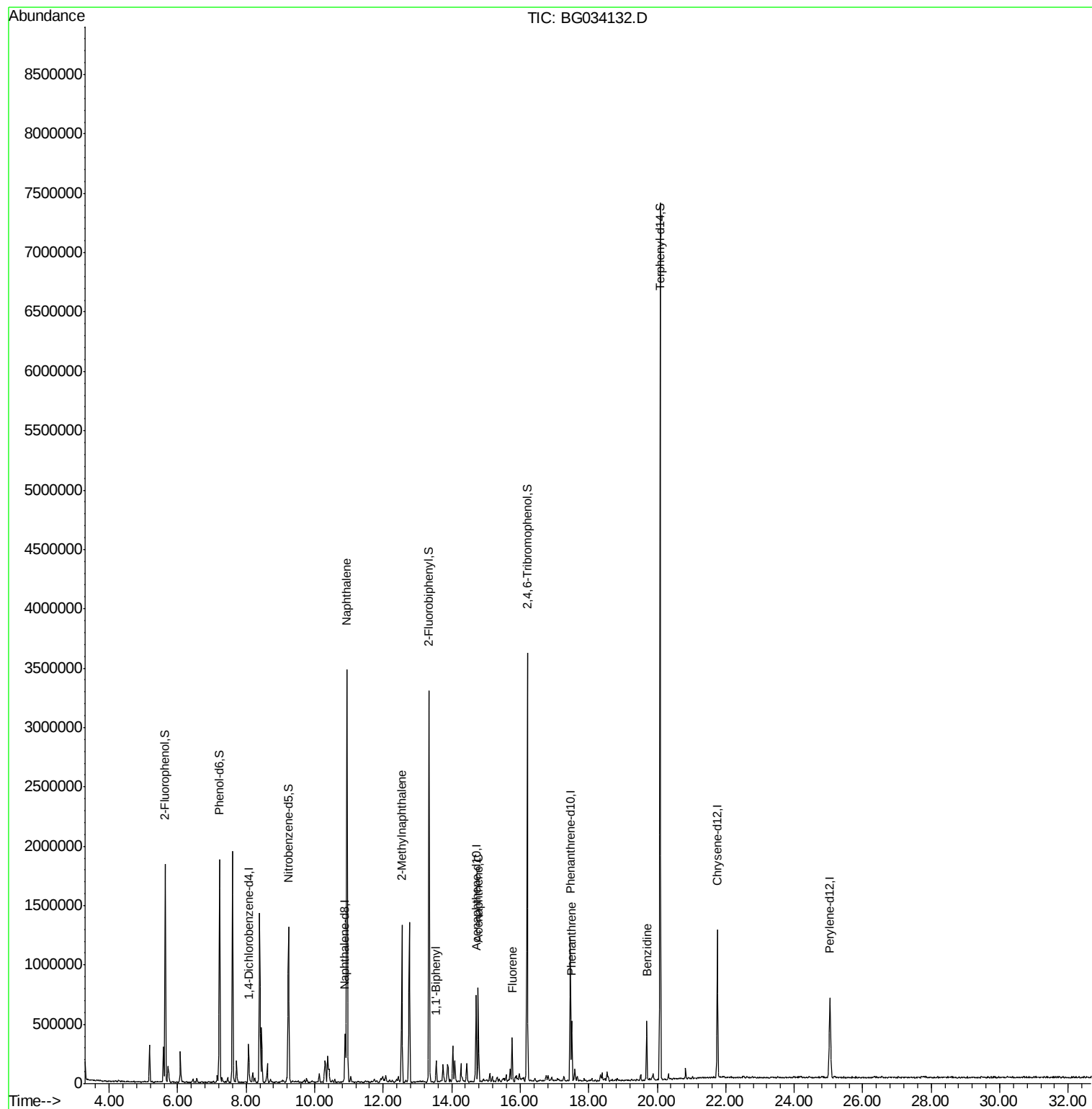
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.95	128	2519914	159.582	ng	97
37) 2-Methylnaphthalene	12.54	142	573546	44.795	ng	# 93
45) 1,1'-Biphenyl	13.55	154	91109	4.576	ng	96
51) Acenaphthene	14.78	154	287466	17.576	ng	96
57) Fluorene	15.76	166	160446	7.764	ng	94
70) Phenanthrene	17.51	178	317091	8.601	ng	97
76) Benzdine	19.69	184	254060	13.057	ng	99

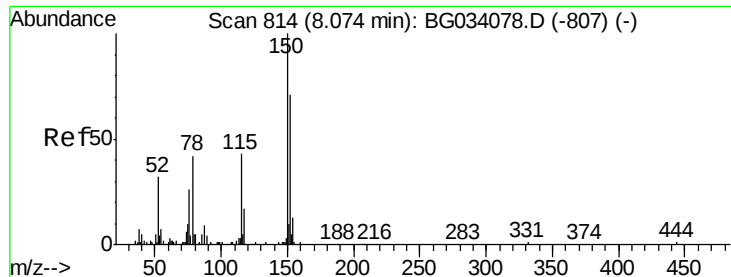
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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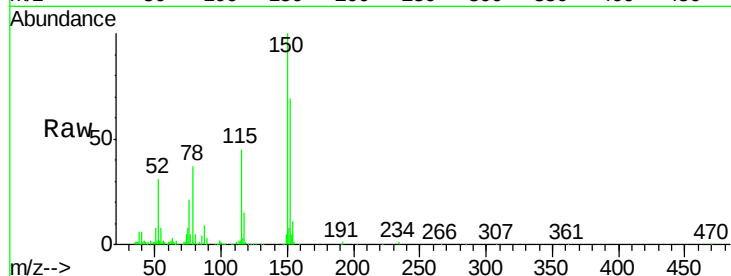


#1

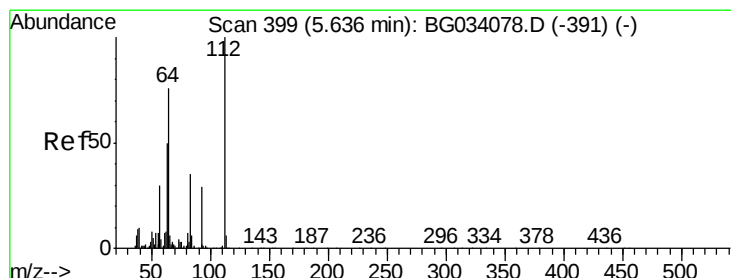
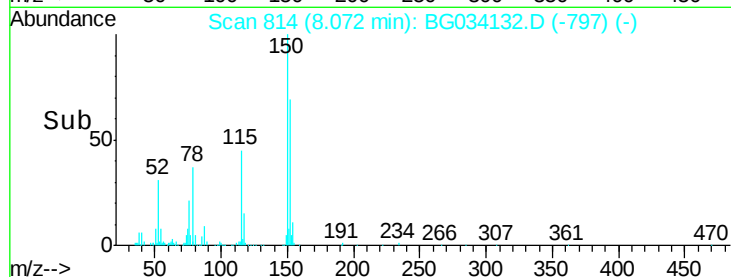
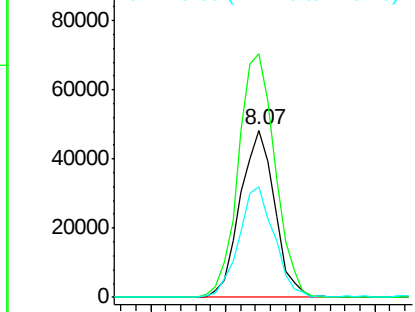
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

Instrument :
BNA_G
ClientSampleId :
COMPOSITE-P4-WC

Tot Ion:152 Resp: 77574
Ion Ratio Lower Upper
152 100
150 145.4 126.6 189.8
115 66.0 53.0 79.4



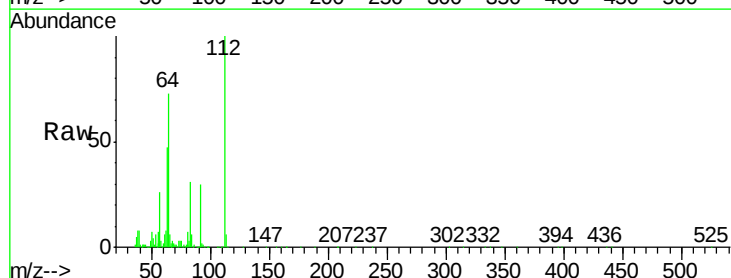
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



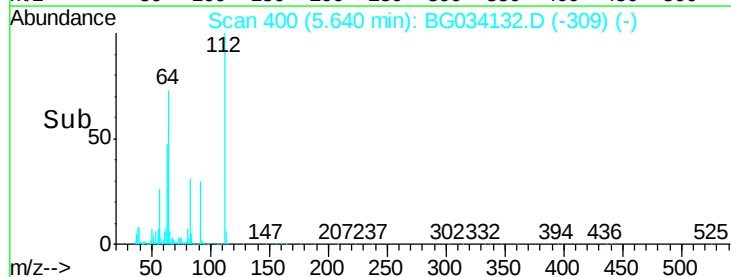
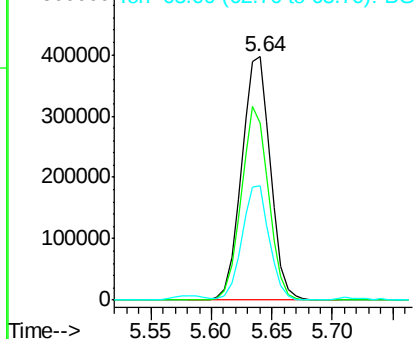
#5

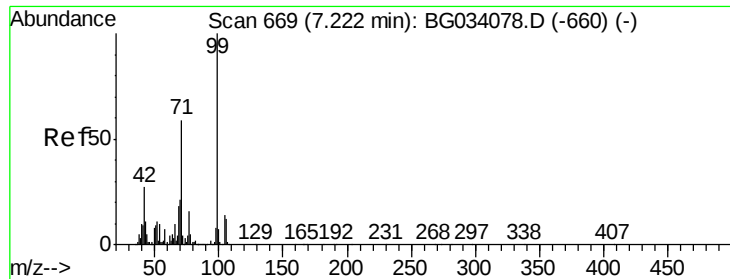
2-Fluorophenol
Concen: 136.817 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

Tgt Ion:112 Resp: 656922
Ion Ratio Lower Upper
112 100
64 72.7 56.3 84.5
63 47.1 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: 120.545 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

Instrument :

BNA_G

ClientSampleId :

COMPOSITE-P4-WC

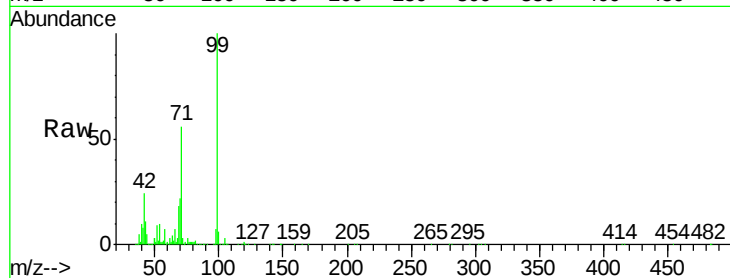
Tot Ion: 99 Resp: 901073

Ion Ratio Lower Upper

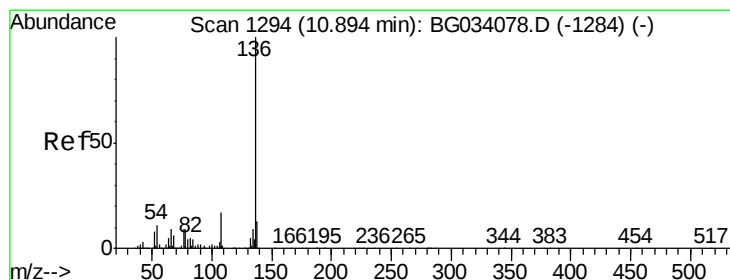
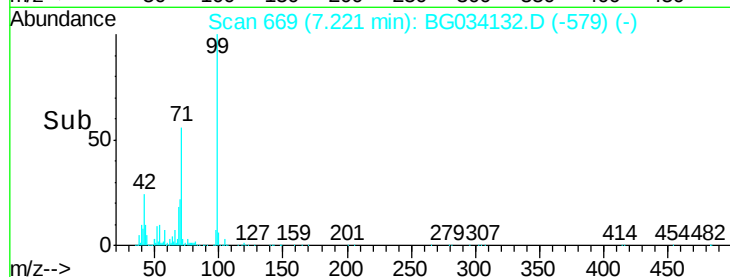
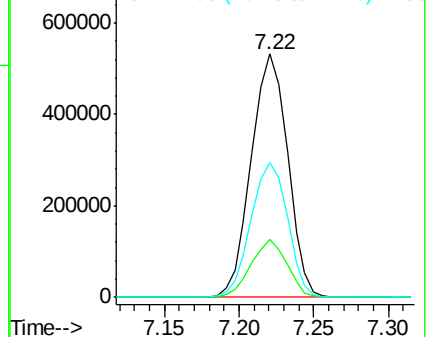
99 100

42 23.9 14.1 21.1#

71 55.6 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: 10.89 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

Tgt Ion: 136 Resp: 300423

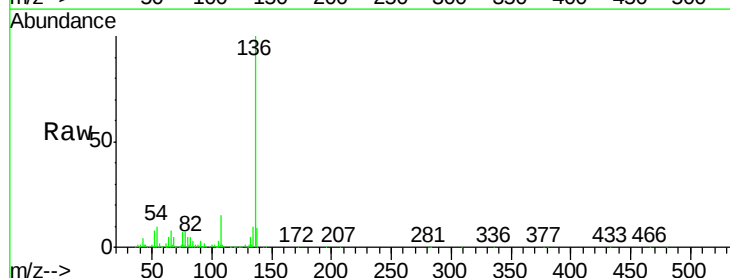
Ion Ratio Lower Upper

136 100

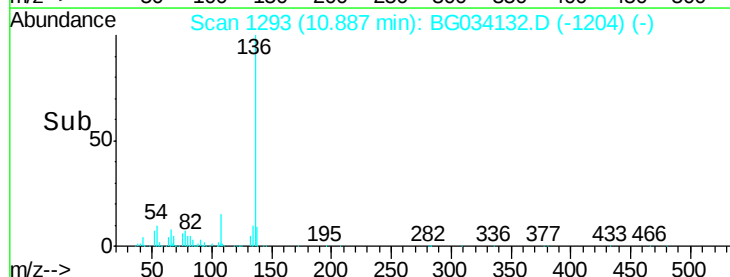
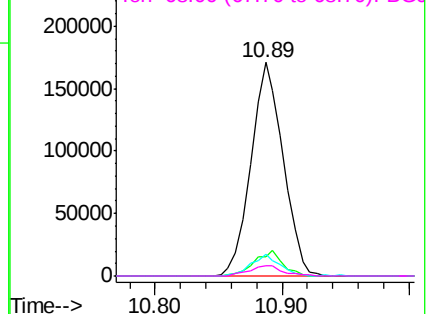
137 9.2 9.2 13.8#

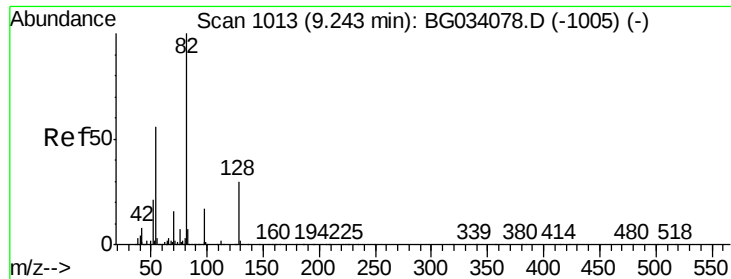
54 10.3 10.3 15.5

68 4.5 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

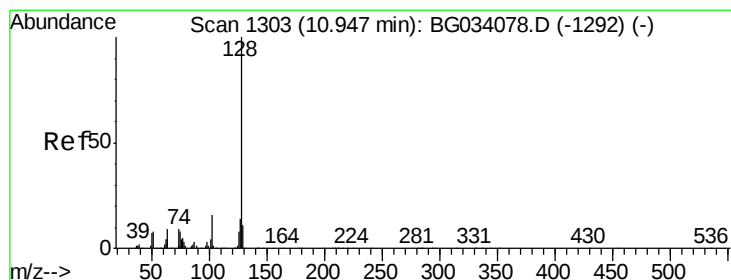
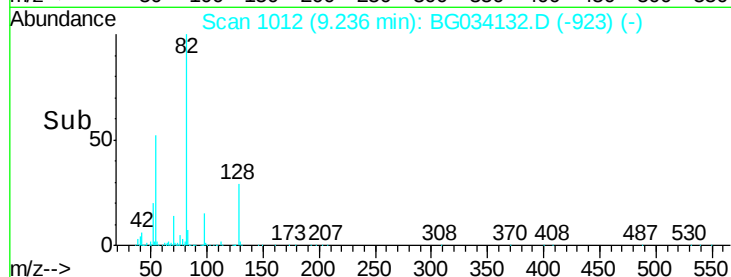
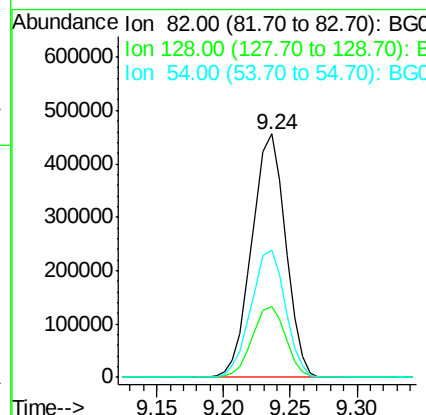
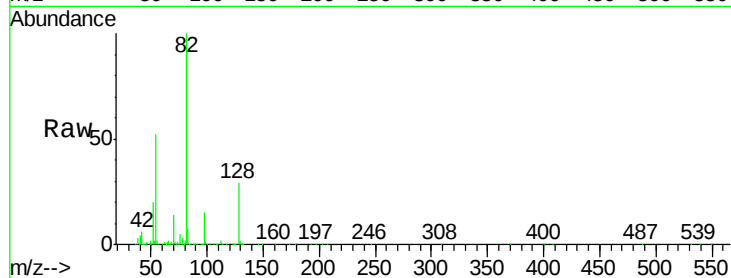




#23
 Nitrobenzene-d5
 Concen: 101.830 ng
 RT: 9.24 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BG034132.D
 Acq: 3 May 2018 1:15

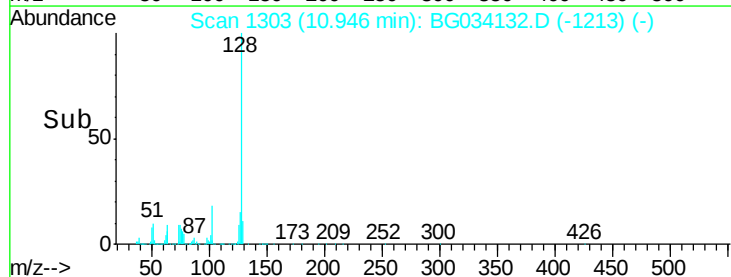
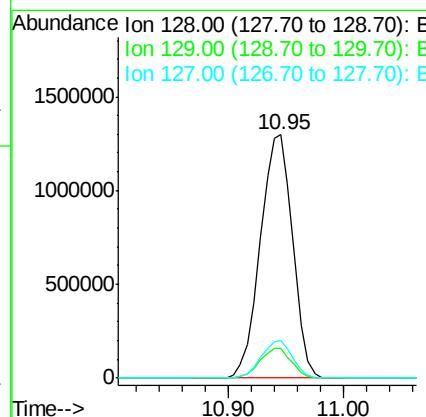
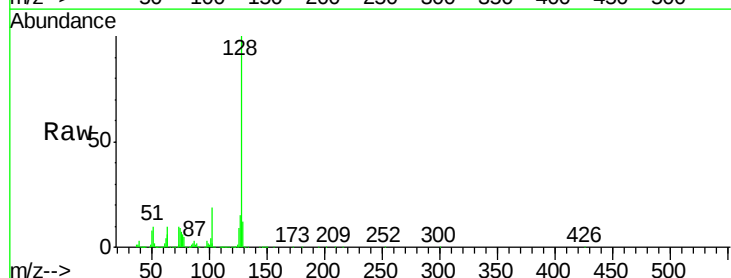
Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE-P4-WC

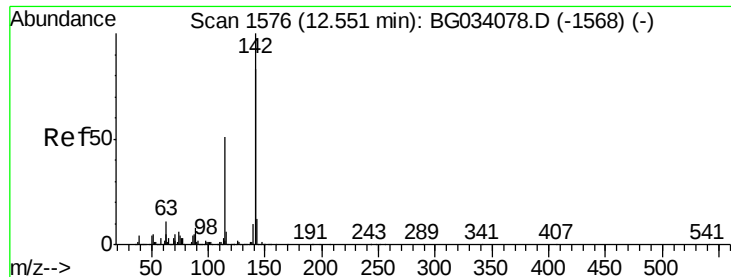
Tot Ion: 82 Resp: 797330
 Ion Ratio Lower Upper
 82 100
 128 28.9 29.7 44.5#
 54 52.0 43.1 64.7



#31
 Naphthalene
 Concen: 159.582 ng
 RT: 10.95 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BG034132.D
 Acq: 3 May 2018 1:15

Tgt Ion: 128 Resp: 2519914
 Ion Ratio Lower Upper
 128 100
 129 12.3 8.6 12.8
 127 15.2 11.6 17.4

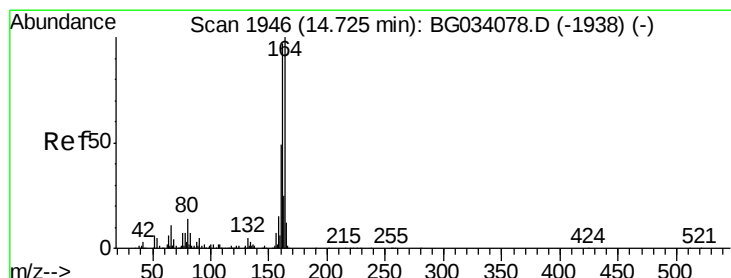
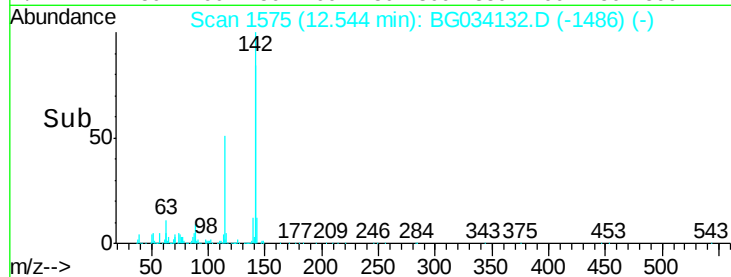
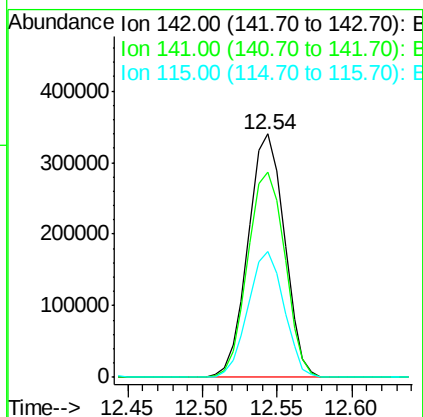
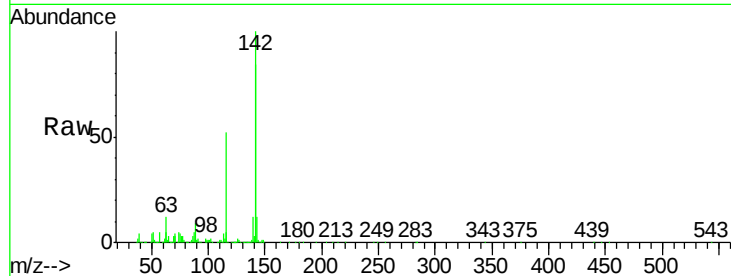




#37
2-Methylnaphthalene
Concen: 44.795 ng
RT: 12.54 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

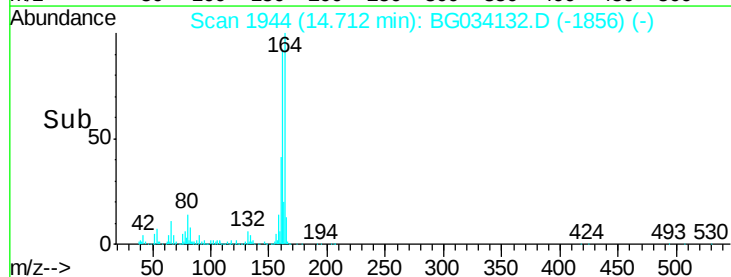
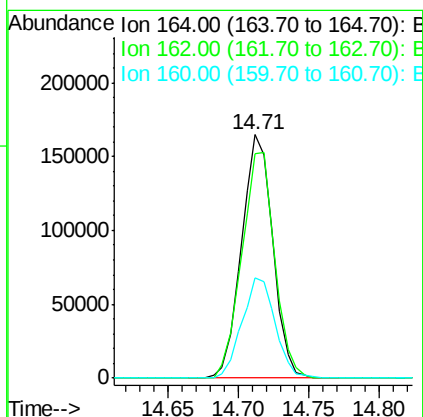
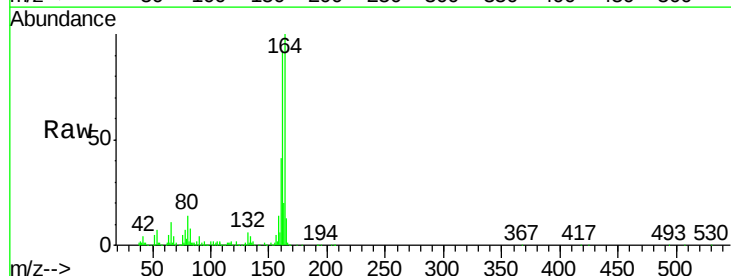
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-P4-WC

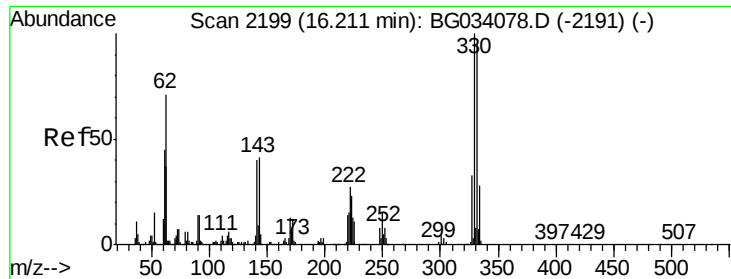
Tot Ion:142 Resp: 573546
Ion Ratio Lower Upper
142 100
141 84.1 67.1 100.7
115 51.6 30.7 46.1#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

Tgt Ion:164 Resp: 254854
Ion Ratio Lower Upper
164 100
162 92.4 78.8 118.2
160 41.2 35.4 53.0

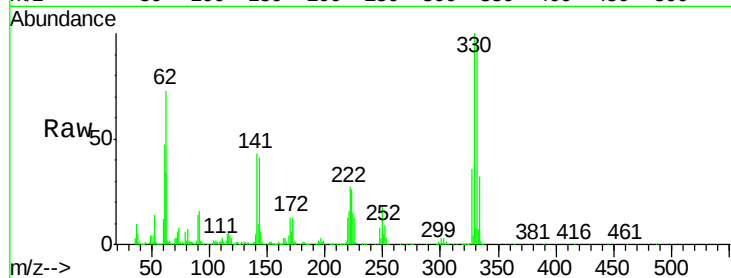




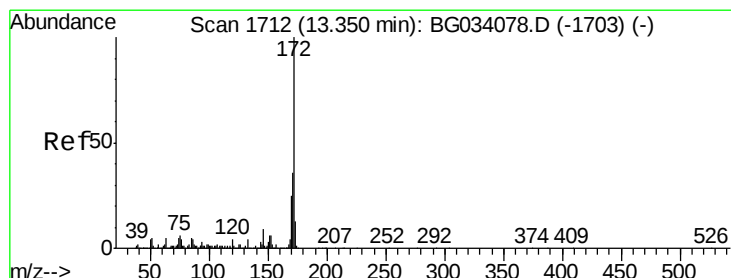
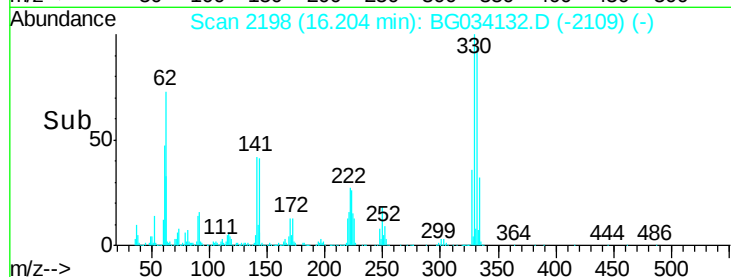
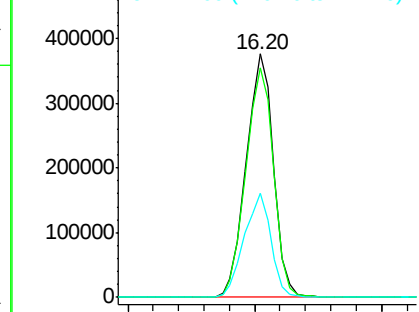
#41
 2,4,6-Tribromophenol
 Concen: 159.128 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034132.D
 Acq: 3 May 2018 1:15

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE-P4-WC

Tot Ion:330 Resp: 561562
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 42.0 25.2 37.8#

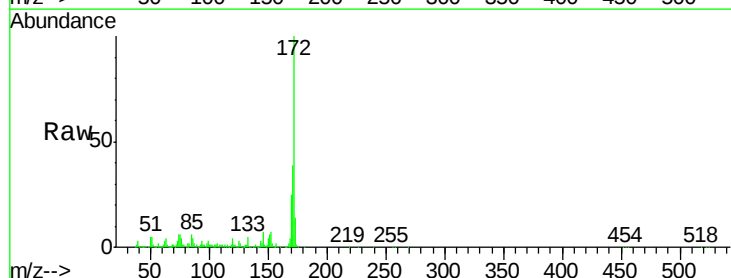


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

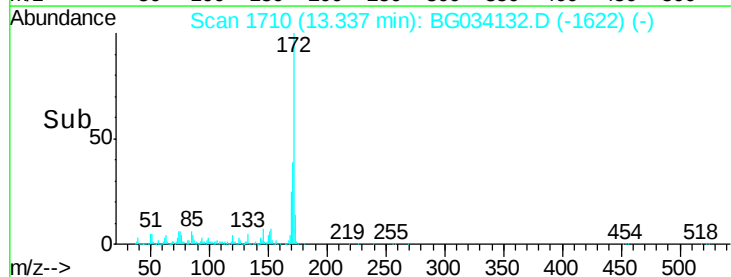
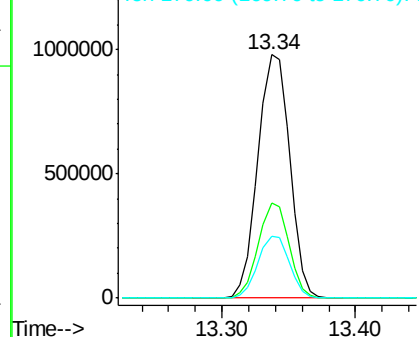


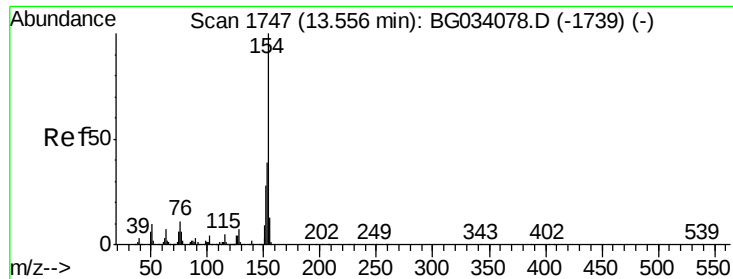
#44
 2-Fluorobiphenyl
 Concen: 92.373 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG034132.D
 Acq: 3 May 2018 1:15

Tgt Ion:172 Resp: 1615593
 Ion Ratio Lower Upper
 172 100
 171 38.8 30.0 45.0
 170 25.4 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: 4.576 ng

RT: 13.55 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

Instrument :

BNA_G

ClientSampleId :

COMPOSITE-P4-WC

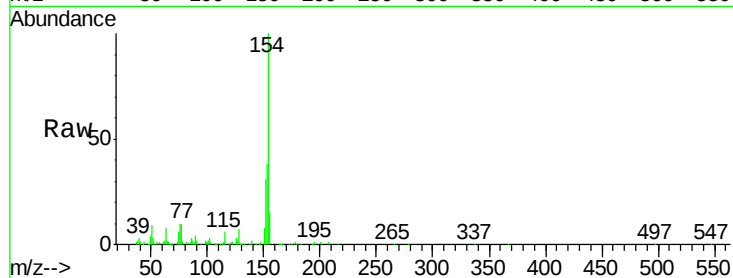
Tot Ion:154 Resp: 91109

Ion Ratio Lower Upper

154 100

153 37.8 19.8 59.8

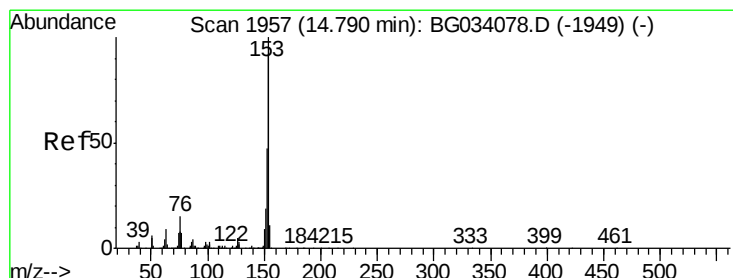
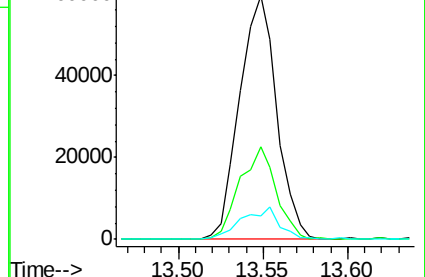
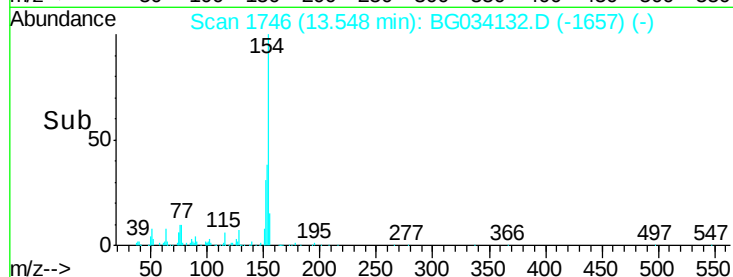
76 9.9 0.0 31.9



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: 17.576 ng

RT: 14.78 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

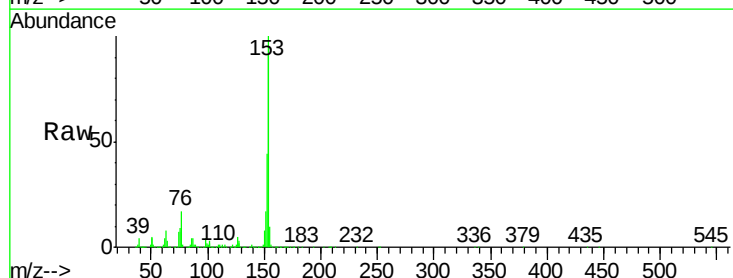
Tgt Ion:154 Resp: 287466

Ion Ratio Lower Upper

154 100

153 109.7 90.4 135.6

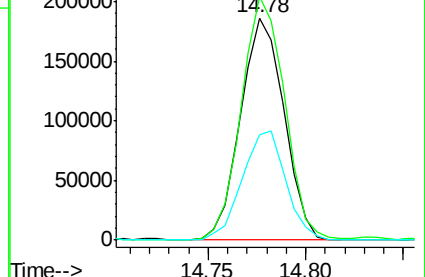
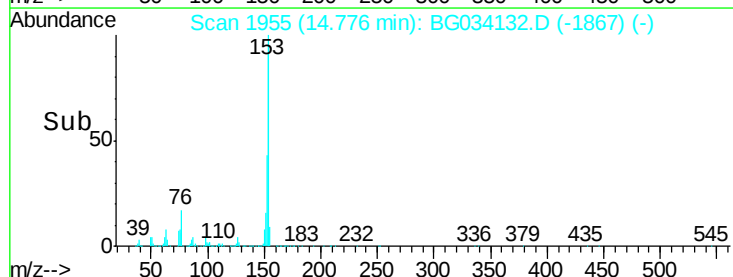
152 47.8 41.6 62.4

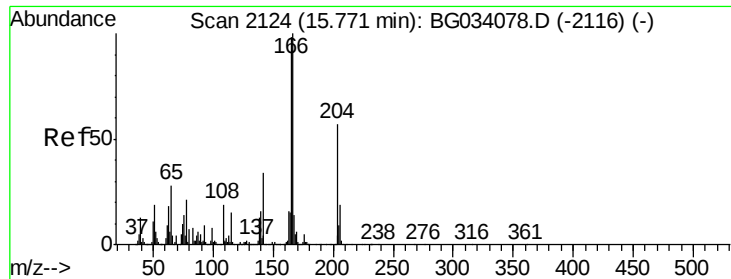


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 7.764 ng

RT: 15.76 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

Instrument :

BNA_G

ClientSampleId :

COMPOSITE-P4-WC

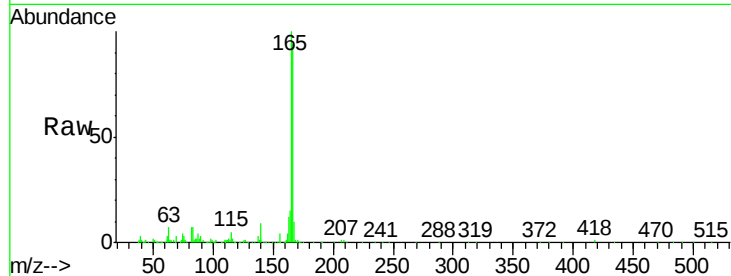
Tot Ion:166 Resp: 160446

Ion Ratio Lower Upper

166 100

165 106.8 80.6 121.0

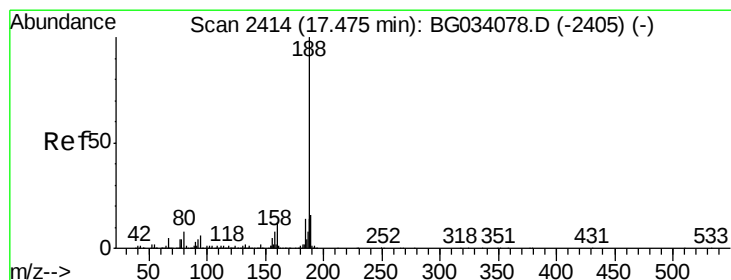
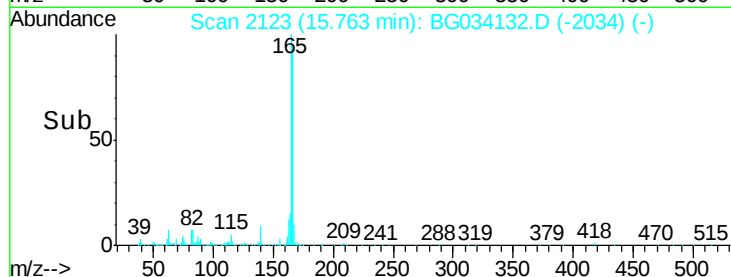
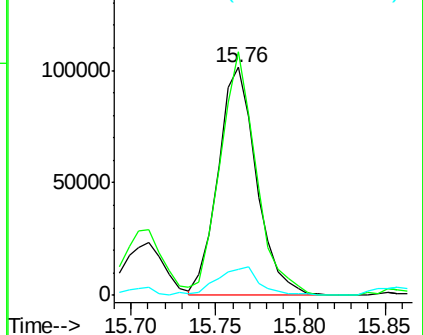
167 11.2 10.4 15.6



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: 20.000 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

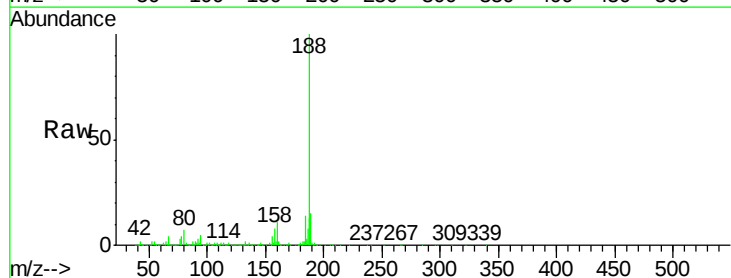
Tgt Ion:188 Resp: 717430

Ion Ratio Lower Upper

188 100

94 4.9 6.9 10.3#

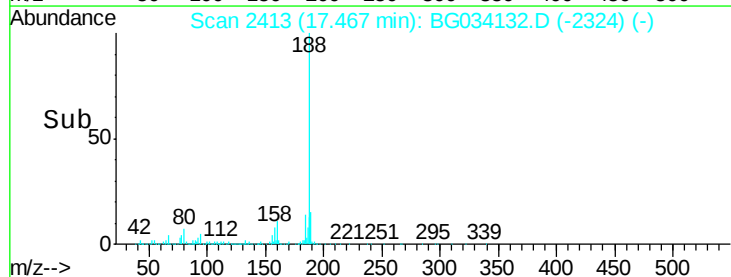
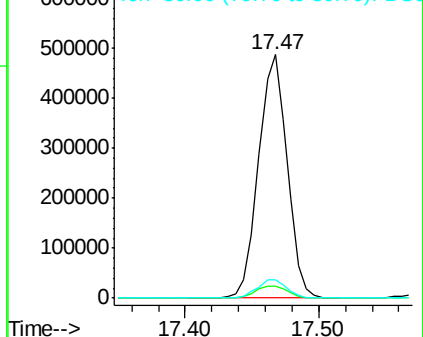
80 7.3 7.7 11.5#

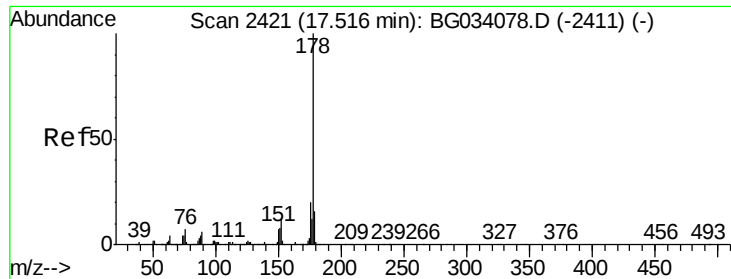


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 8.601 ng

RT: 17.51 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

Instrument :

BNA_G

ClientSampleId :

COMPOSITE-P4-WC

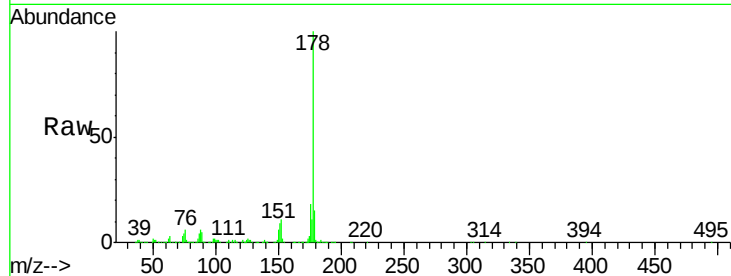
Tot Ion:178 Resp: 317091

Ion Ratio Lower Upper

178 100

176 17.6 15.7 23.5

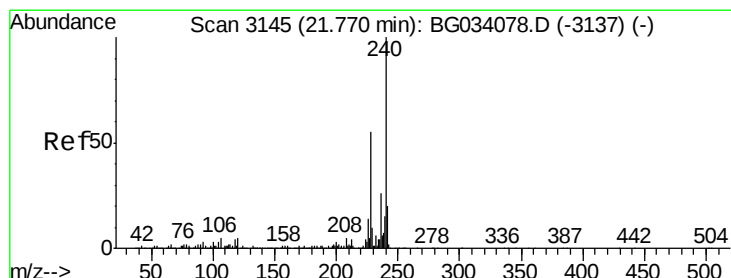
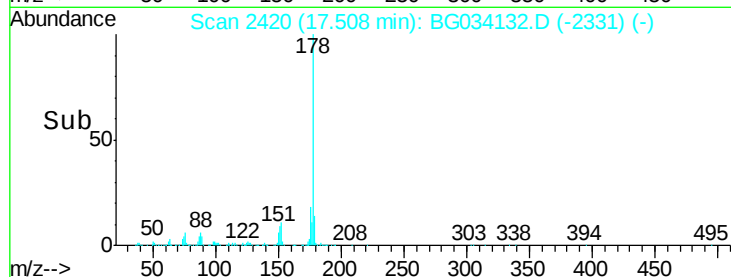
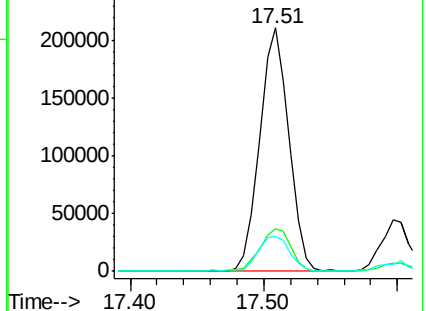
179 14.6 12.5 18.7



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# 3143

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

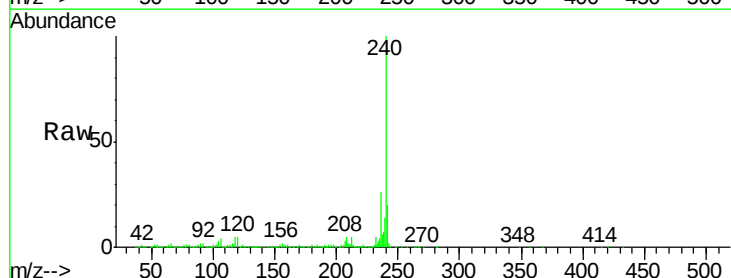
Tgt Ion:240 Resp: 755379

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

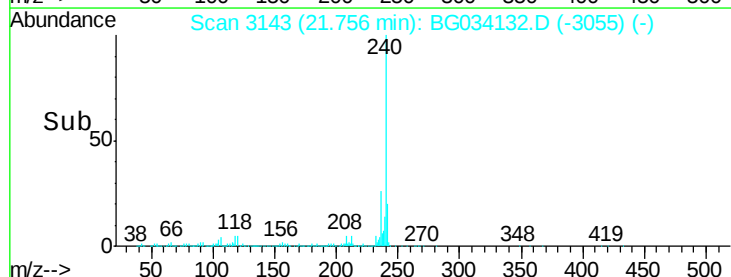
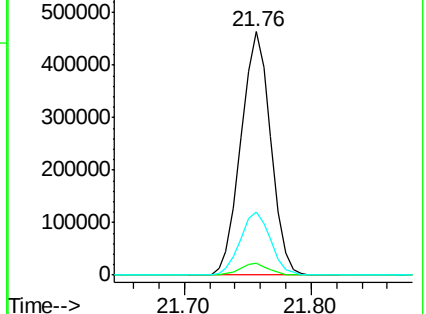
236 26.0 20.9 31.3

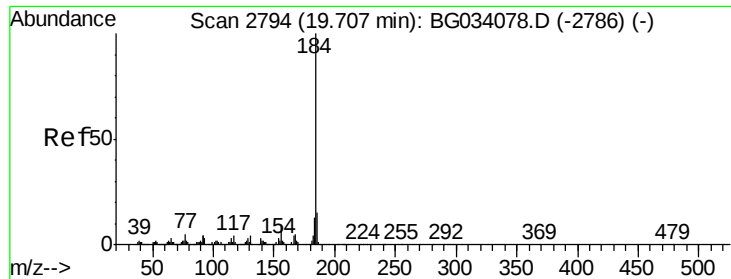


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 13.057 ng

RT: 19.69 min Scan# 2792

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

Instrument :

BNA_G

ClientSampleId :

COMPOSITE-P4-WC

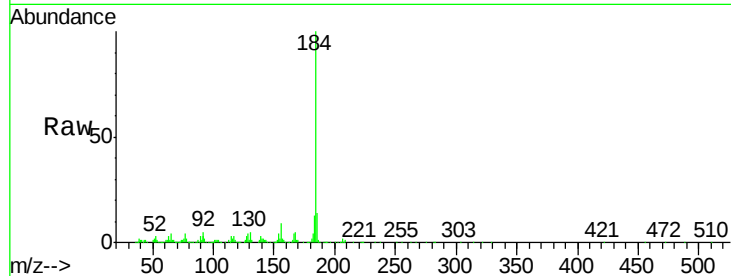
Tot Ion:184 Resp: 254060

Ion Ratio Lower Upper

184 100

185 13.5 11.1 16.7

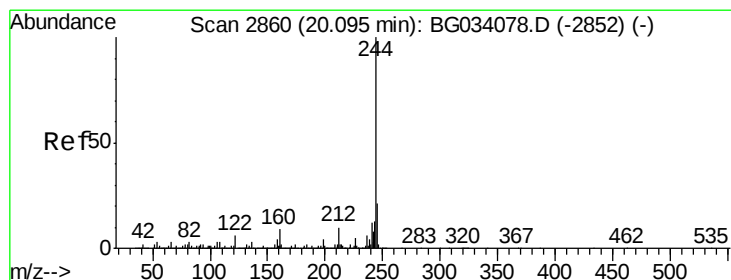
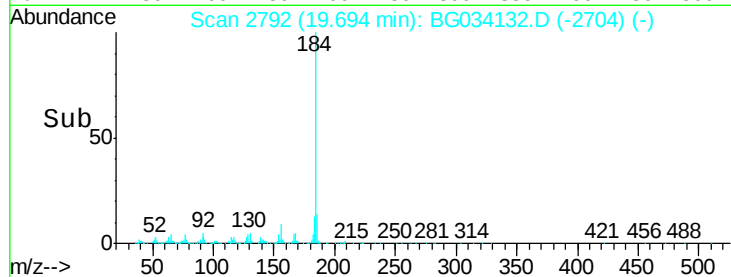
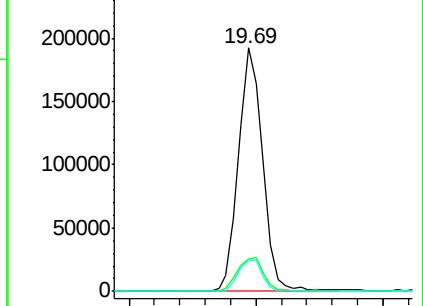
183 12.6 10.6 16.0



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: 94.669 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

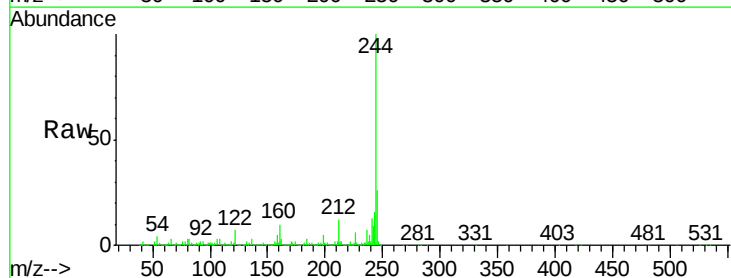
Tgt Ion:244 Resp: 3264341

Ion Ratio Lower Upper

244 100

212 12.1 5.8 8.8#

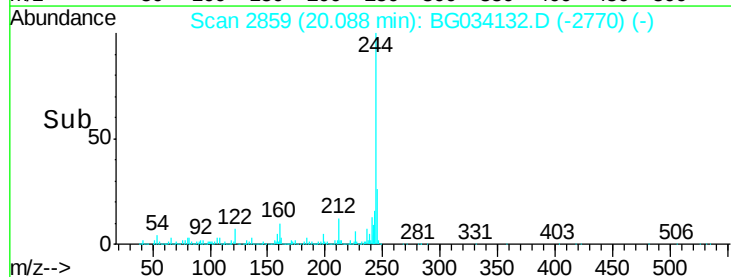
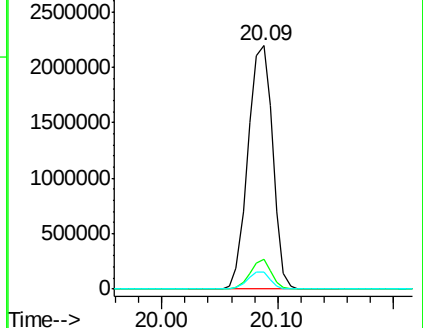
122 7.2 7.0 10.4

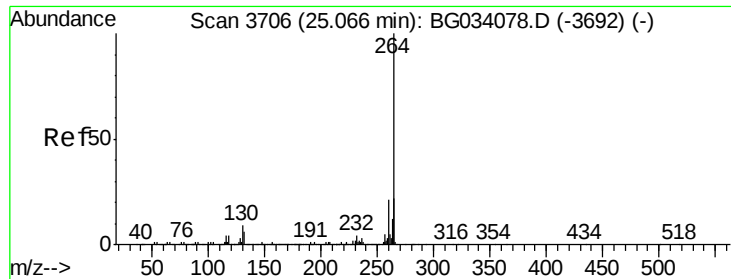


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

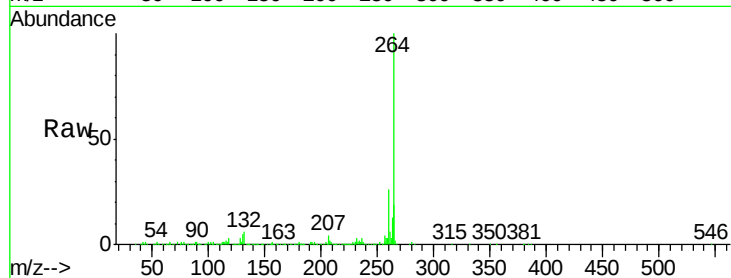




#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.05 min Scan# 3703
Delta R.T. -0.02 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

Instrument :
BNA_G
ClientSampleId :
COMPOSITE-P4-WC

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.1	17.4	26.0#
265	19.5	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

