

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012018\
 Data File : BG032193.D
 Acq On : 20 Jan 2018 23:42
 Operator : SJ/JU
 Sample : J1210-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-4248

Quant Time: Jan 22 05:50:13 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	49712	20.00	ng	0.00
21) Naphthalene-d8	11.63	136	194253	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	127841	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	333342	20.00	ng	0.00
75) Chrysene-d12	22.44	240	431383	20.00	ng	0.00
86) Perylene-d12	26.14	264	453155	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.18	112	372478	137.04	ng	0.01
7) Phenol-d6	7.85	99	412552	120.51	ng	0.00
23) Nitrobenzene-d5	9.94	82	318289	110.85	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	342500	161.90	ng	0.00
44) 2-Fluorobiphenyl	14.01	172	1060528	102.86	ng	0.00
78) Terphenyl-d14	20.64	244	1976539	101.17	ng	0.00

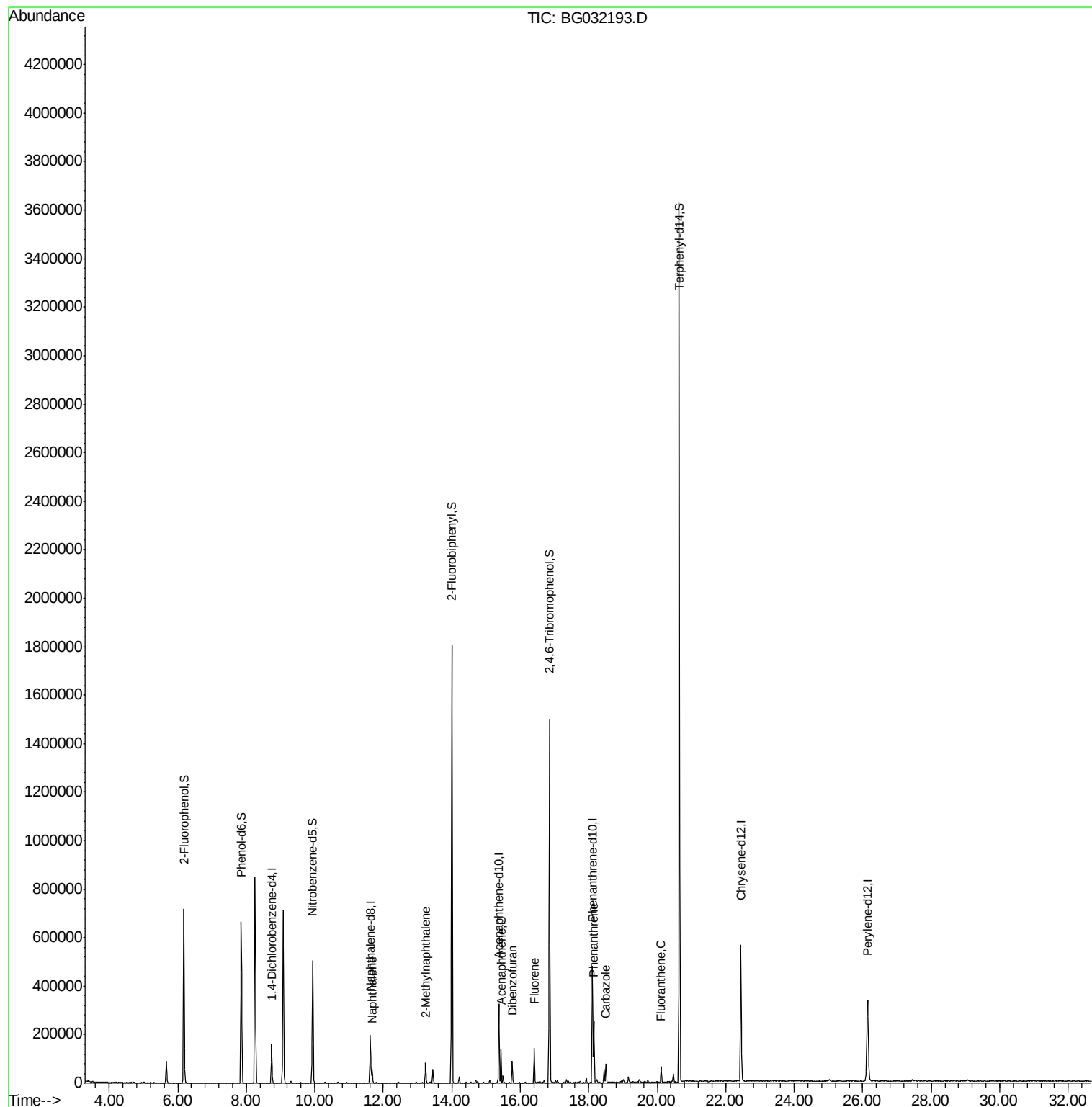
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	11.67	128	57482	5.973	ng	# 94
37) 2-Methylnaphthalene	13.24	142	46536	6.091	ng	96
51) Acenaphthene	15.44	154	56034	6.527	ng	94
54) Dibenzofuran	15.77	168	66442	5.188	ng	97
57) Fluorene	16.41	166	73268	6.976	ng	91
70) Phenanthrene	18.15	178	182110	9.812	ng	98
72) Carbazole	18.50	167	57309	3.569	ng	98
74) Fluoranthene	20.12	202	46657	2.008	ng	95

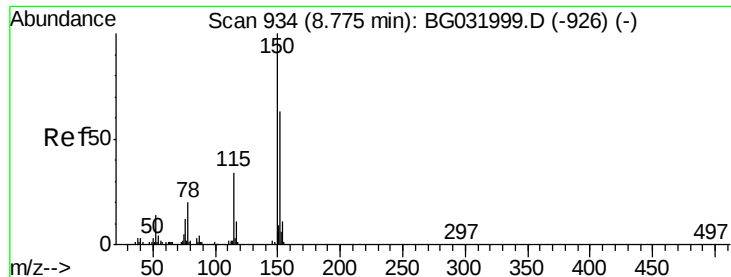
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012018\
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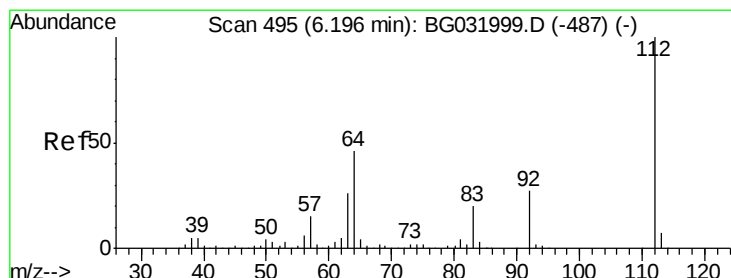
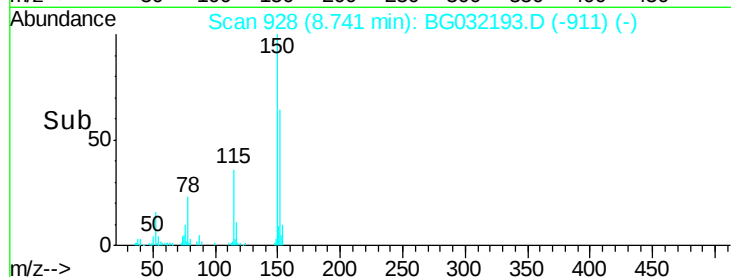
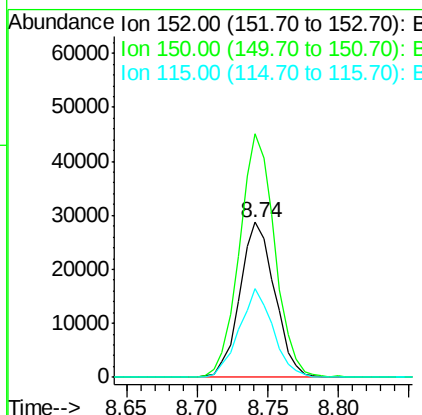
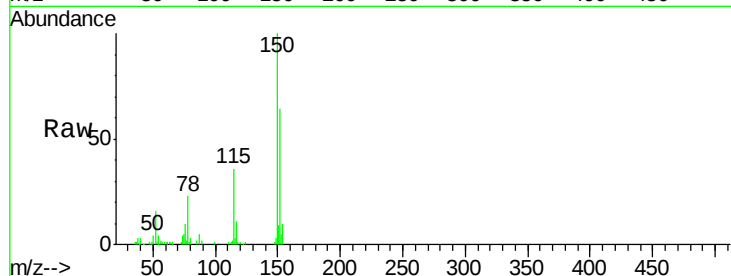


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG032193.D
Acq: 20 Jan 2018 23:42

Instrument :
BNA_G
ClientSampleId :
RT-4248

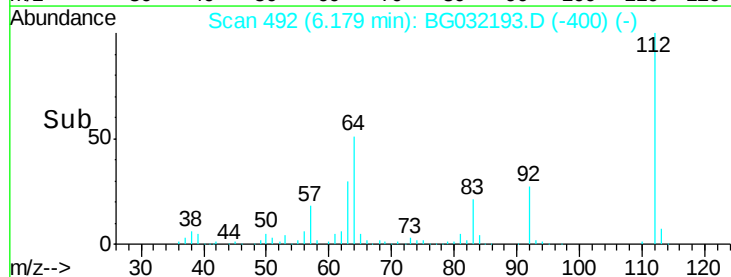
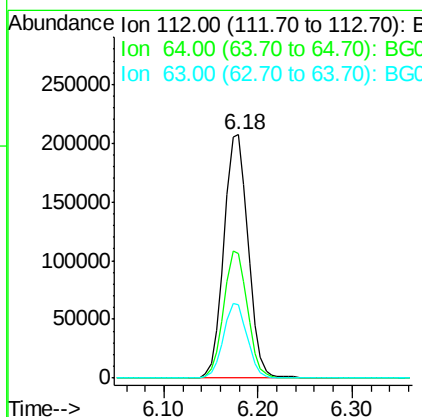
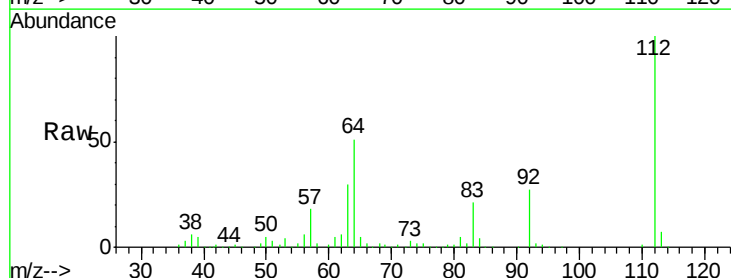
Tot Ion:152 Resp: 49712
Ion Ratio Lower Upper
152 100
150 157.0 126.6 189.8
115 56.9 53.0 79.4

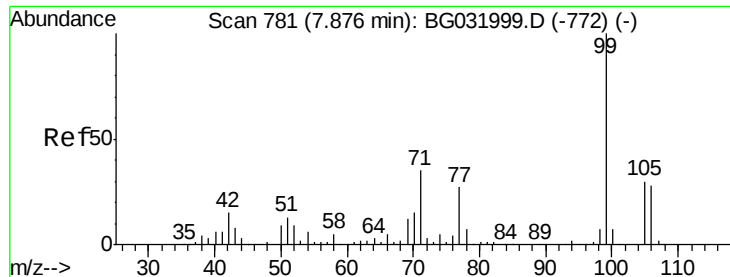


#5

2-Fluorophenol
Concen: 137.037 ng
RT: 6.18 min Scan# 492
Delta R.T. 0.01 min
Lab File: BG032193.D
Acq: 20 Jan 2018 23:42

Tgt Ion:112 Resp: 372478
Ion Ratio Lower Upper
112 100
64 51.1 56.3 84.5#
63 30.2 30.1 45.1





#7

Phenol-d6

Concen: 120.514 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

Instrument :

BNA_G

ClientSampleId :

RT-4248

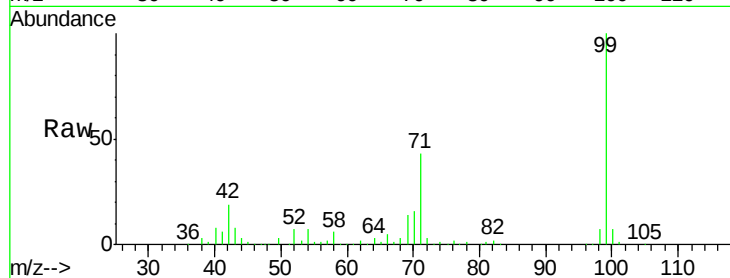
Tot Ion: 99 Resp: 412552

Ion Ratio Lower Upper

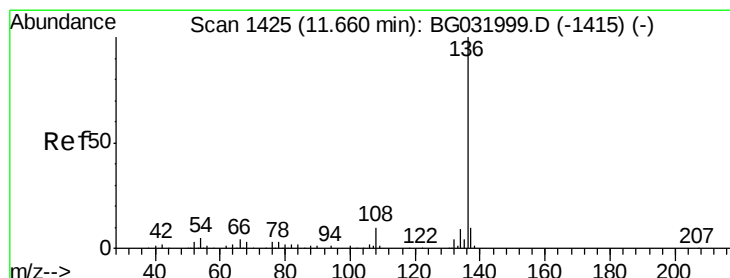
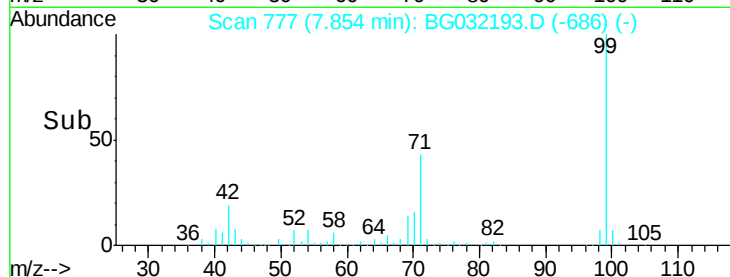
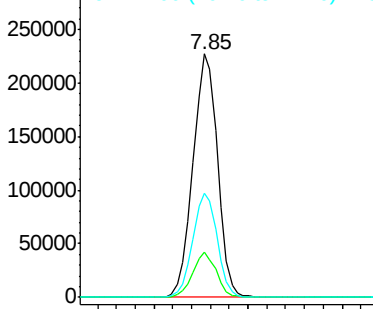
99 100

42 18.5 14.1 21.1

71 43.0 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: 11.63 min Scan# 1419

Delta R.T. -0.00 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

Tgt Ion: 136 Resp: 194253

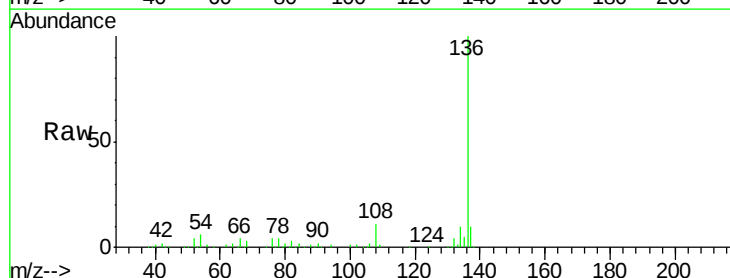
Ion Ratio Lower Upper

136 100

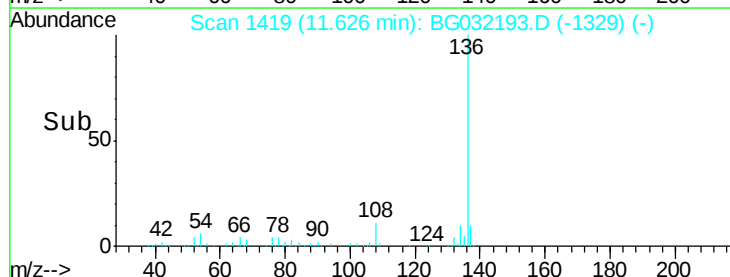
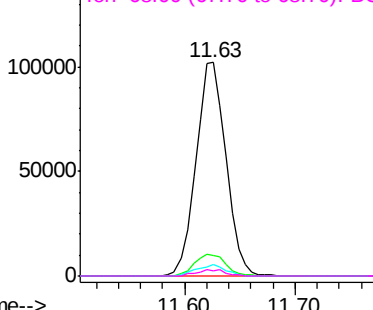
137 9.9 9.2 13.8

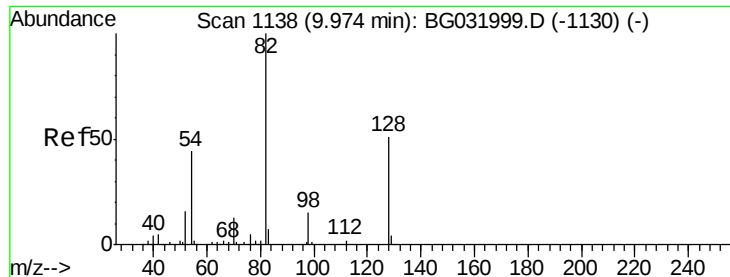
54 5.6 10.3 15.5#

68 2.6 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

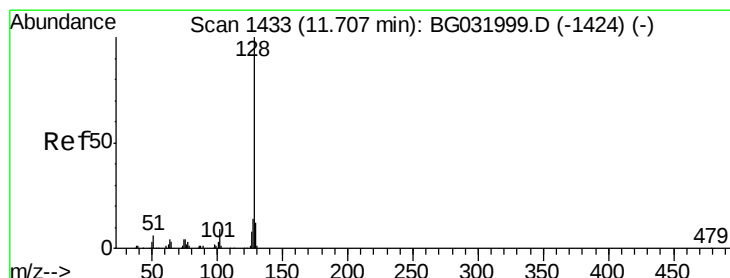
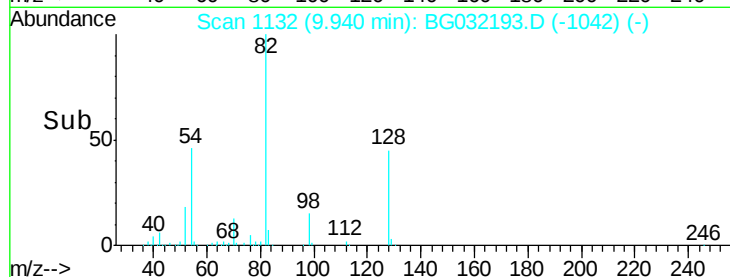
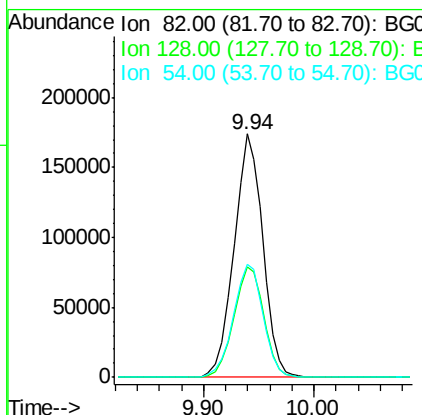
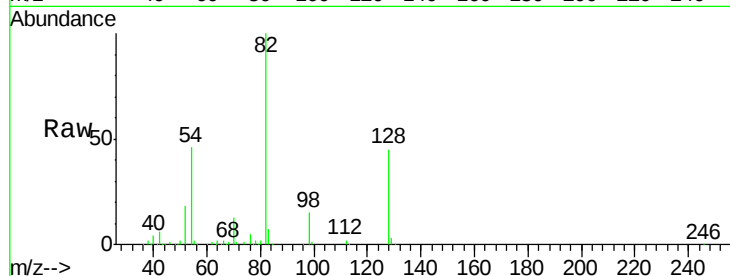




#23
 Nitrobenzene-d5
 Concen: 110.853 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

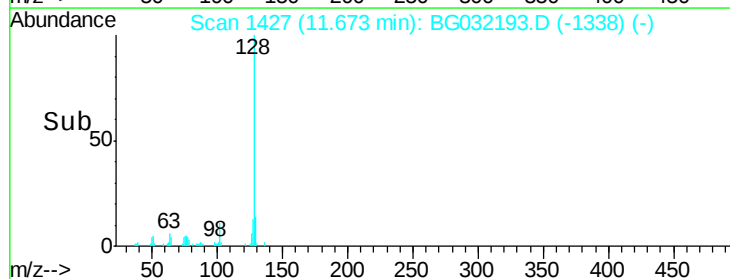
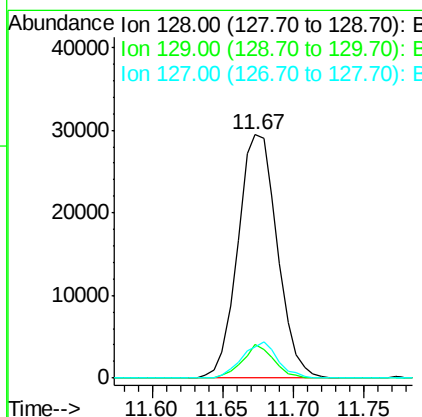
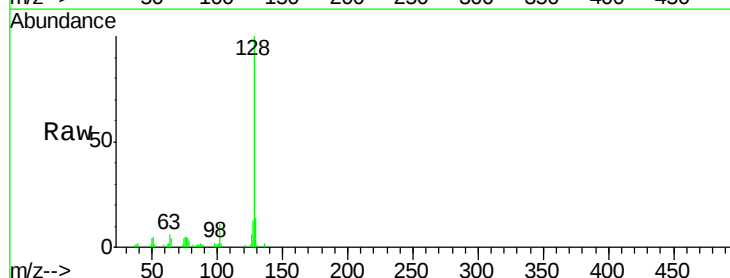
Instrument :
 BNA_G
 ClientSampleId :
 RT-4248

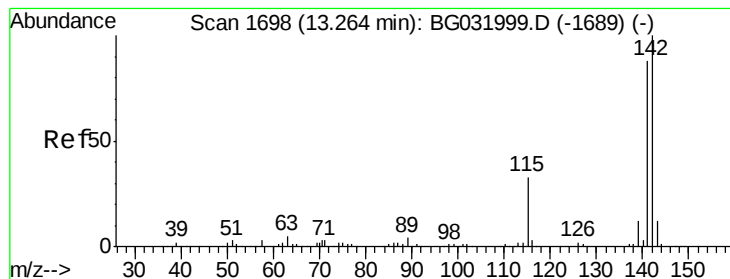
Tot Ion: 82 Resp: 318289
 Ion Ratio Lower Upper
 82 100
 128 45.2 29.7 44.5#
 54 46.4 43.1 64.7



#31
 Naphthalene
 Concen: 5.973 ng
 RT: 11.67 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

Tgt Ion: 128 Resp: 57482
 Ion Ratio Lower Upper
 128 100
 129 13.8 8.6 12.8#
 127 13.0 11.6 17.4





#37

2-Methylnaphthalene

Concen: 6.091 ng

RT: 13.24 min Scan# 1693

Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

Instrument :

BNA_G

ClientSampleId :

RT-4248

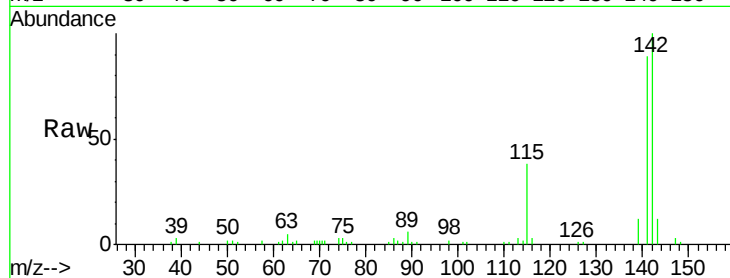
Tot Ion:142 Resp: 46536

Ion Ratio Lower Upper

142 100

141 88.7 67.1 100.7

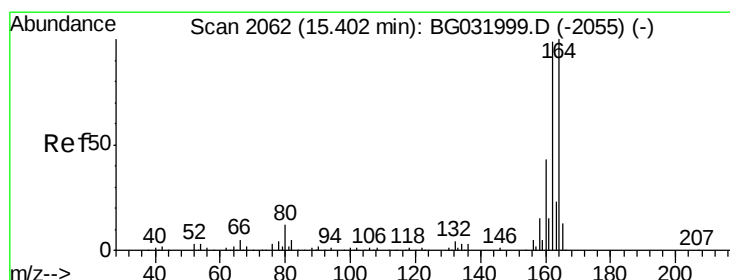
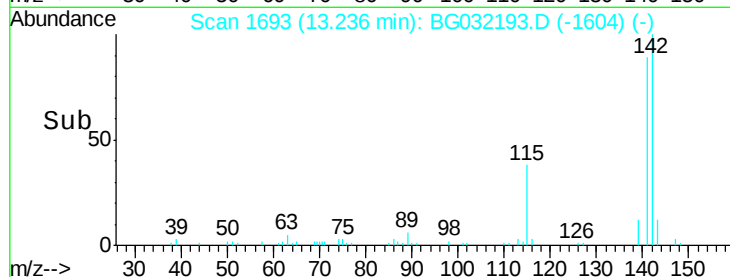
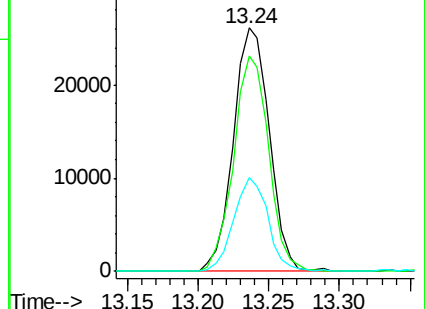
115 38.5 30.7 46.1



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: 15.37 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

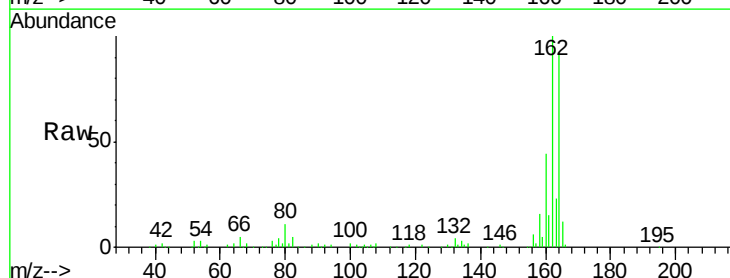
Tgt Ion:164 Resp: 127841

Ion Ratio Lower Upper

164 100

162 108.3 78.8 118.2

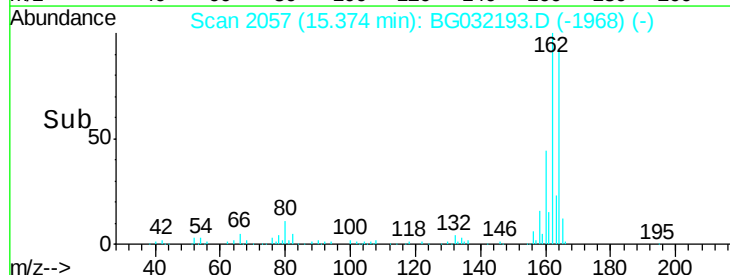
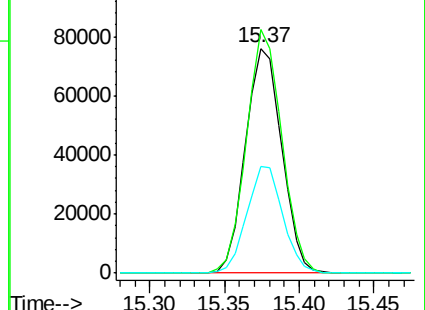
160 47.3 35.4 53.0

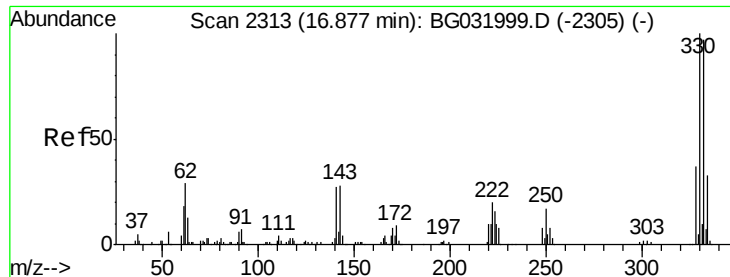


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

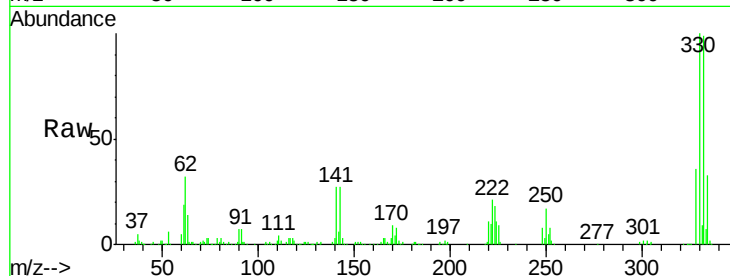




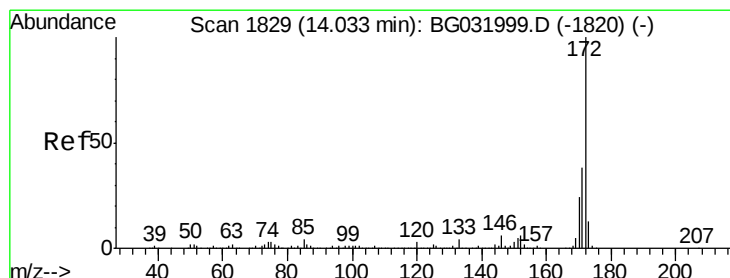
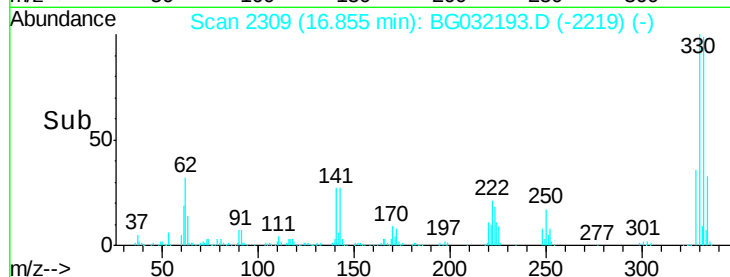
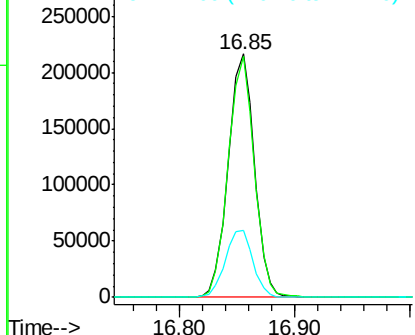
#41
 2,4,6-Tribromophenol
 Concen: 161.903 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

Instrument :
 BNA_G
 ClientSampled :
 RT-4248

Tot Ion:330 Resp: 342500
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 28.8 25.2 37.8

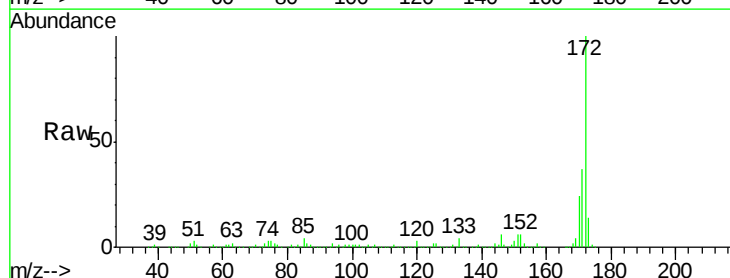


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

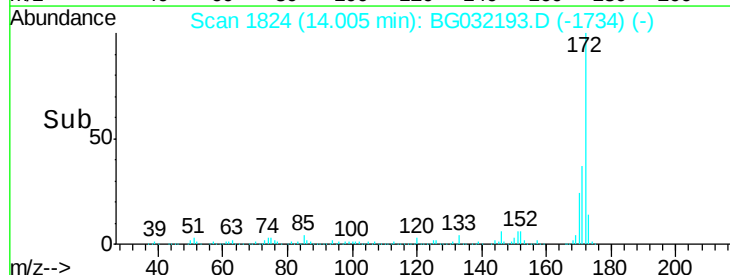
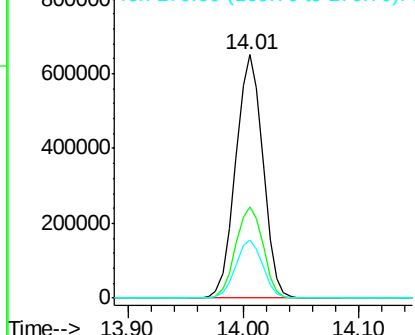


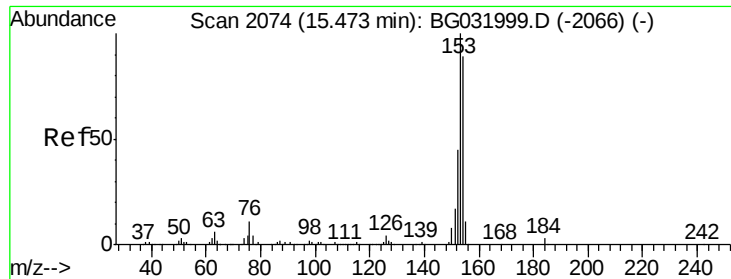
#44
 2-Fluorobiphenyl
 Concen: 102.862 ng
 RT: 14.01 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

Tgt Ion:172 Resp: 1060528
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.0 45.0
 170 23.7 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





#51

Acenaphthene

Concen: 6.527 ng

RT: 15.44 min Scan# 2068

Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

Instrument :

BNA_G

ClientSampleId :

RT-4248

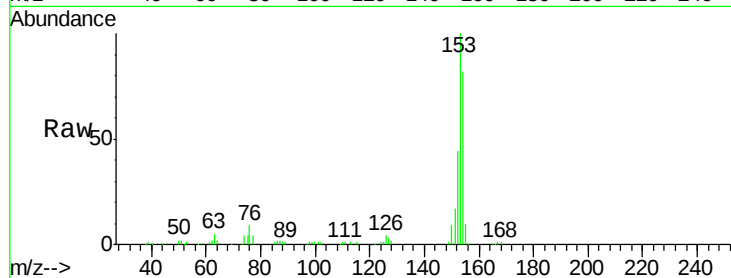
Tot Ion:154 Resp: 56034

Ion Ratio Lower Upper

154 100

153 121.5 90.4 135.6

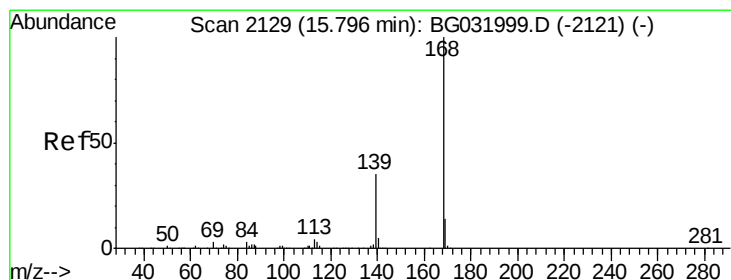
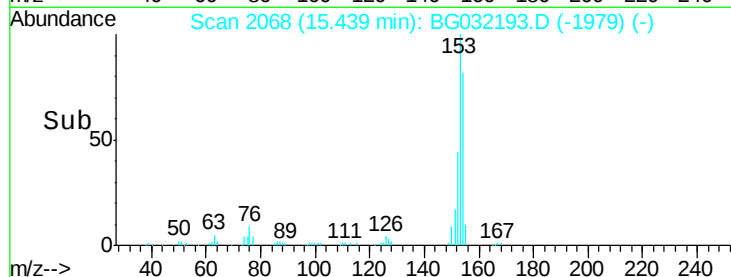
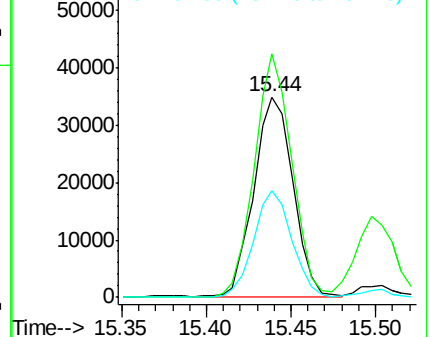
152 53.0 41.6 62.4



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



#54

Dibenzofuran

Concen: 5.188 ng

RT: 15.77 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

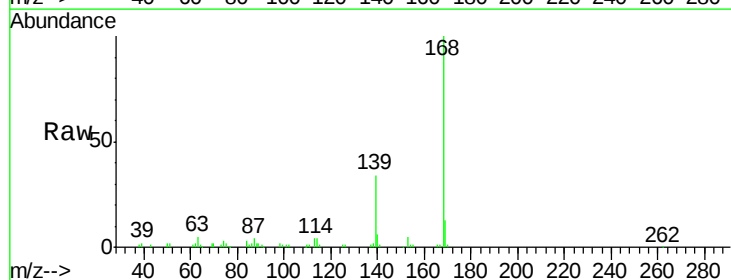
Tgt Ion:168 Resp: 66442

Ion Ratio Lower Upper

168 100

139 34.5 28.6 43.0

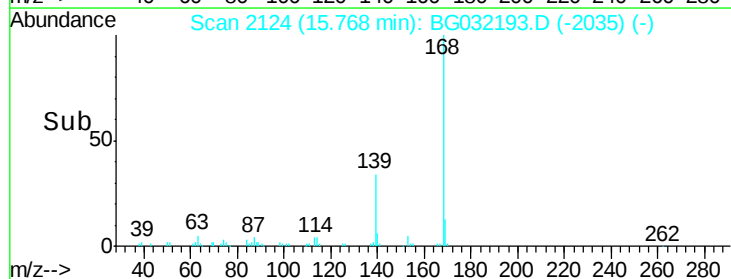
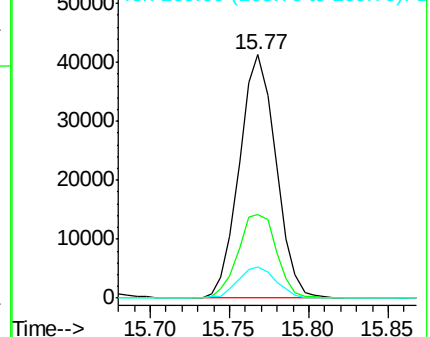
169 12.6 11.2 16.8

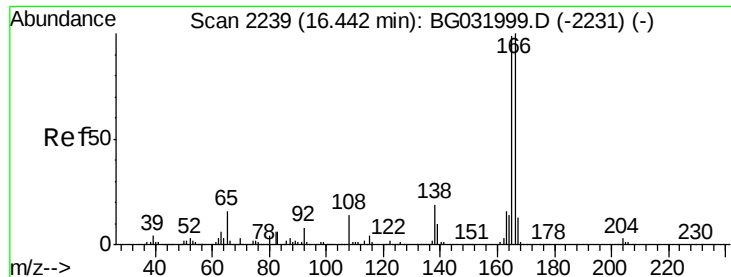


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

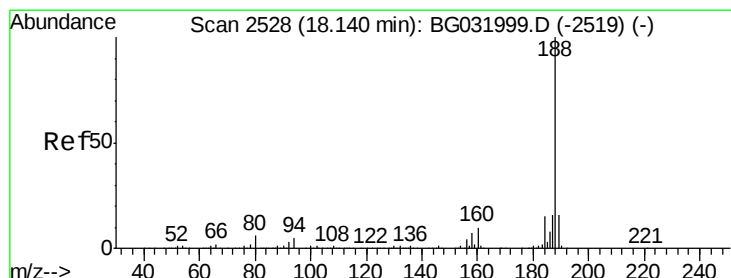
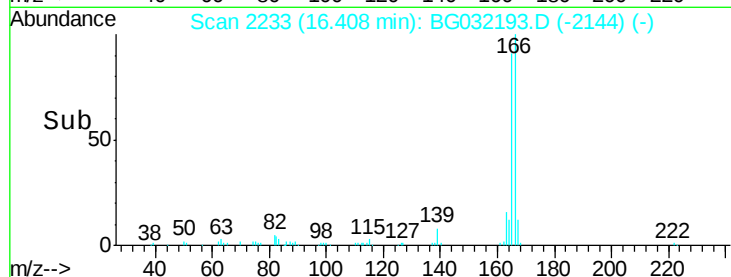
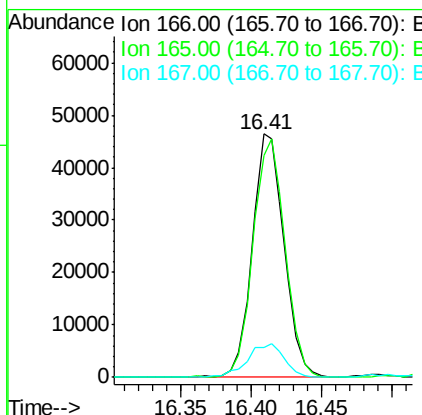
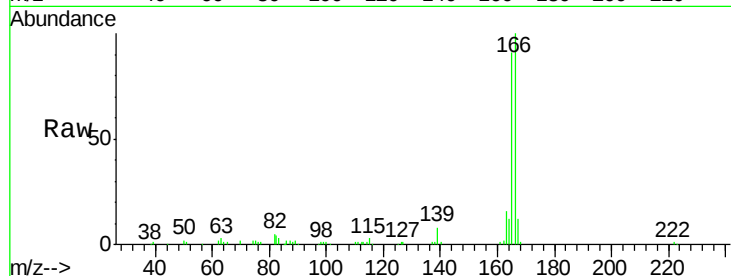




#57
 Fluorene
 Concen: 6.976 ng
 RT: 16.41 min Scan# 2233
 Delta R.T. -0.01 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

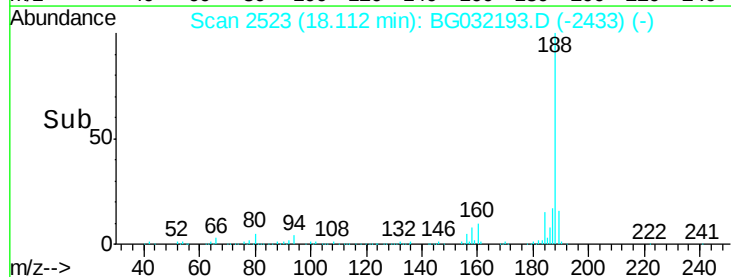
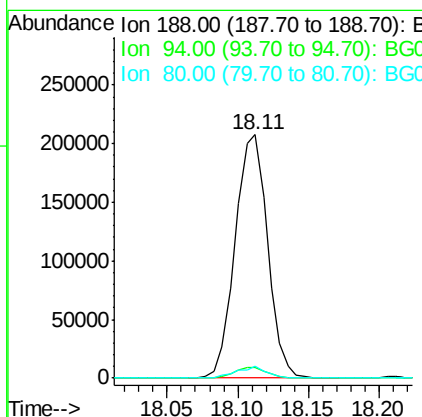
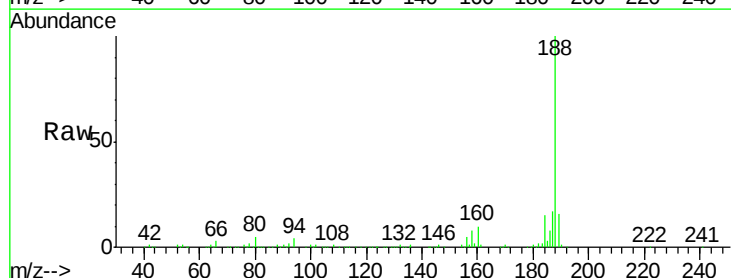
Instrument :
 BNA_G
 ClientSampleId :
 RT-4248

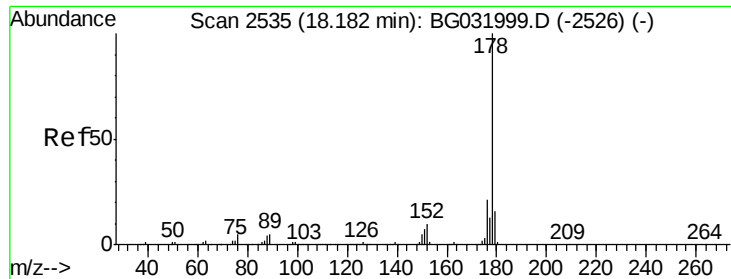
Tot Ion:166 Resp: 73268
 Ion Ratio Lower Upper
 166 100
 165 91.1 80.6 121.0
 167 12.2 10.4 15.6



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.11 min Scan# 2523
 Delta R.T. -0.00 min
 Lab File: BG032193.D
 Acq: 20 Jan 2018 23:42

Tgt Ion:188 Resp: 333342
 Ion Ratio Lower Upper
 188 100
 94 4.4 6.9 10.3#
 80 4.7 7.7 11.5#





#70

Phenanthrene

Concen: 9.812 ng

RT: 18.15 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

Instrument :

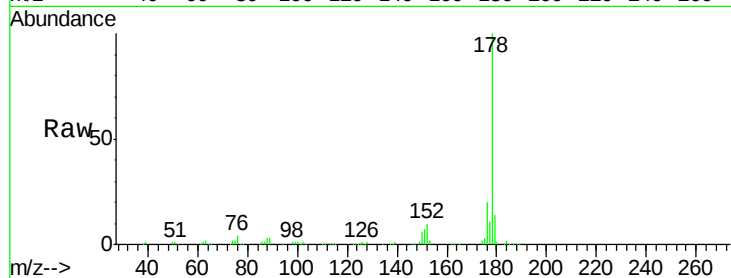
BNA_G

ClientSampleId :

RT-4248

Tot Ion:178 Resp: 182110

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	14.1	12.5	18.7

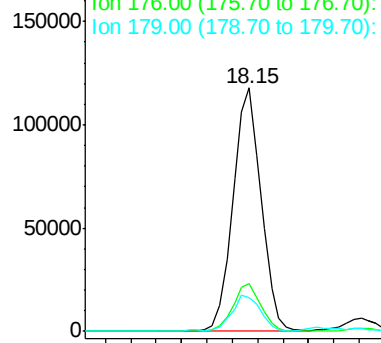


Abundance

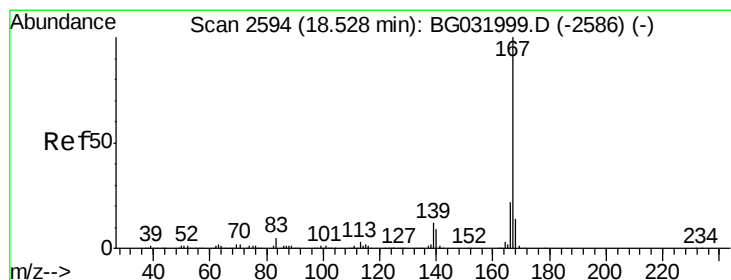
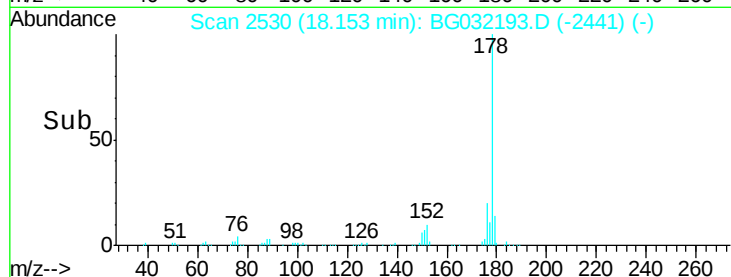
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Carbazole

Concen: 3.569 ng

RT: 18.50 min Scan# 2589

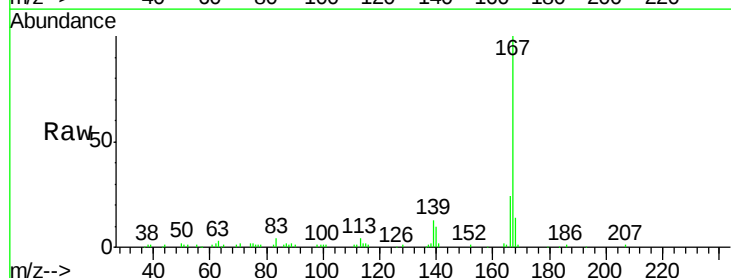
Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

Tgt Ion:167 Resp: 57309

Ion	Ratio	Lower	Upper
167	100		
166	23.7	18.2	27.4
139	13.1	9.4	14.2

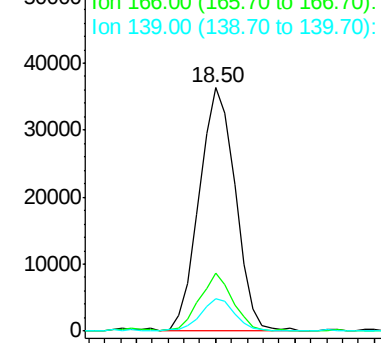


Abundance

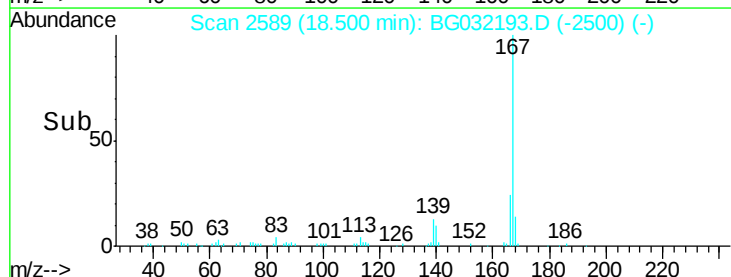
Ion 167.00 (166.70 to 167.70): E

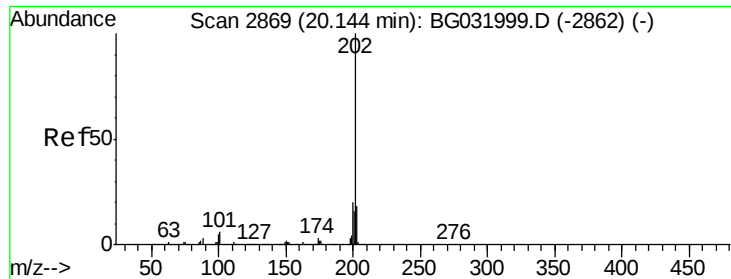
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->





#74

Fluoranthene

Concen: 2.008 ng

RT: 20.12 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

Instrument :

BNA_G

ClientSampleId :

RT-4248

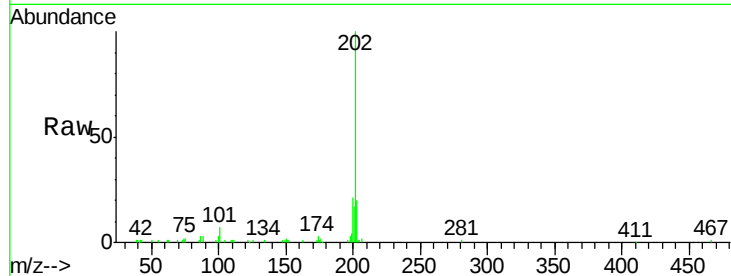
Tot Ion:202 Resp: 46657

Ion Ratio Lower Upper

202 100

101 6.8 0.0 28.9

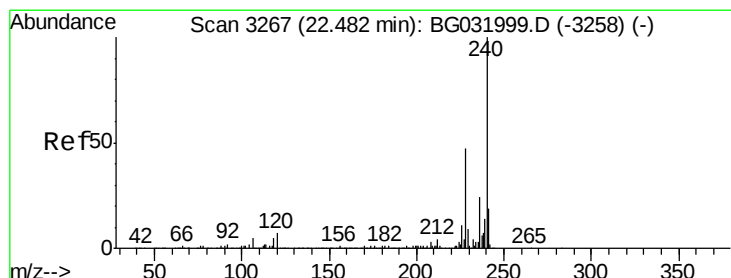
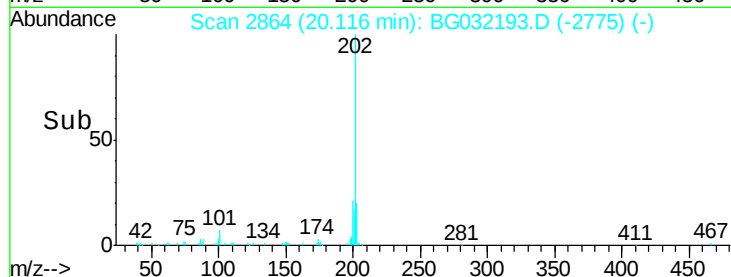
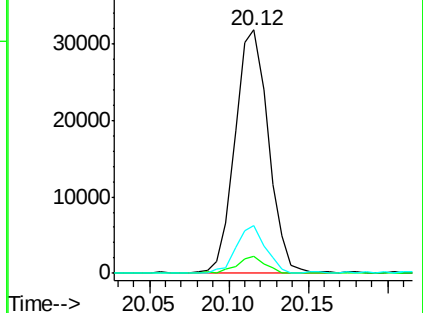
203 19.8 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.44 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

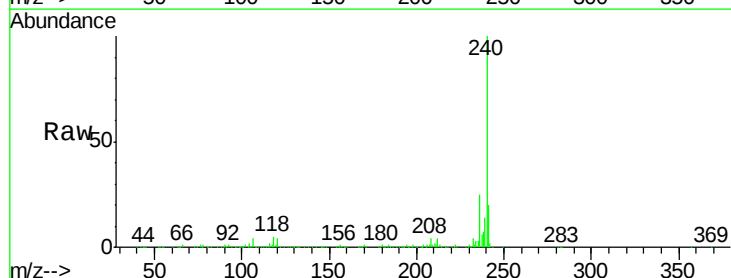
Tgt Ion:240 Resp: 431383

Ion Ratio Lower Upper

240 100

120 4.3 6.8 10.2#

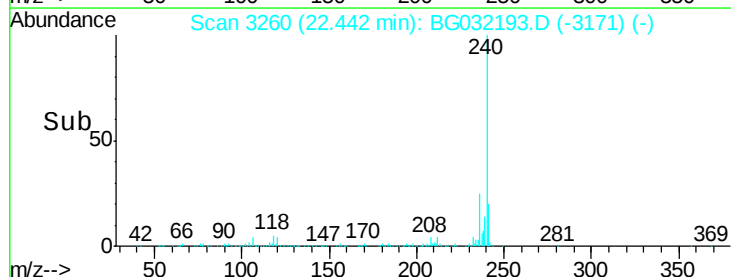
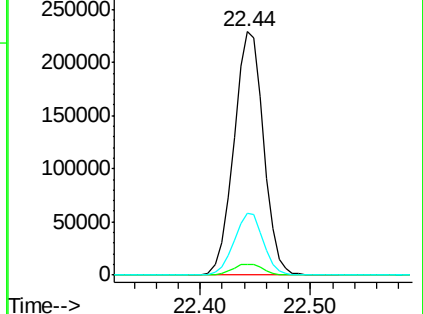
236 25.3 20.9 31.3

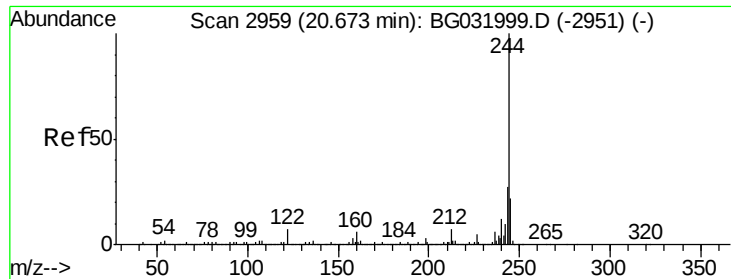


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 101.170 ng

RT: 20.64 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

Instrument :

BNA_G

ClientSampleId :

RT-4248

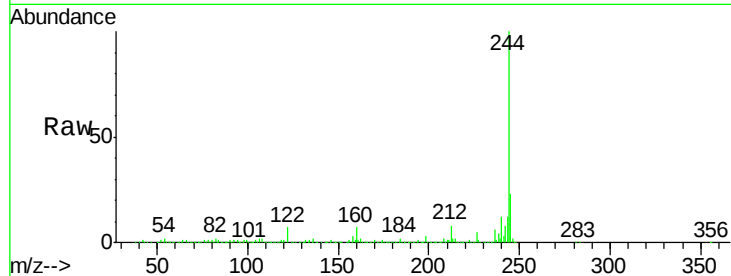
Tot Ion:244 Resp: 1976539

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

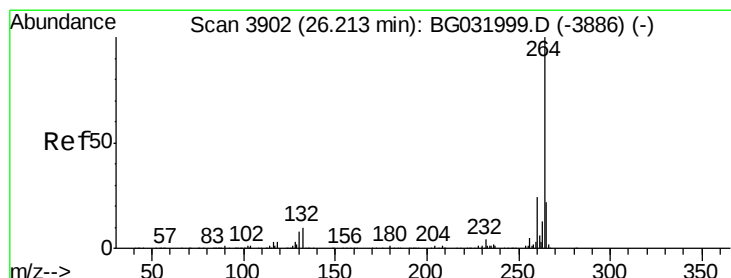
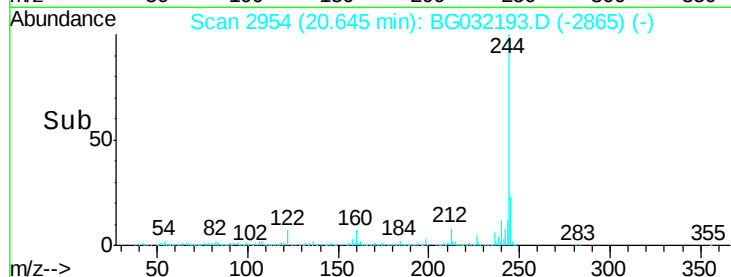
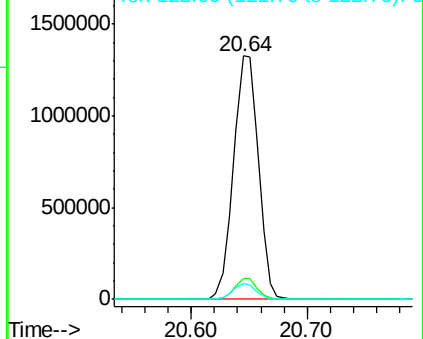
122 6.6 7.0 10.4#



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: 20.000 ng

RT: 26.14 min Scan# 3890

Delta R.T. -0.01 min

Lab File: BG032193.D

Acq: 20 Jan 2018 23:42

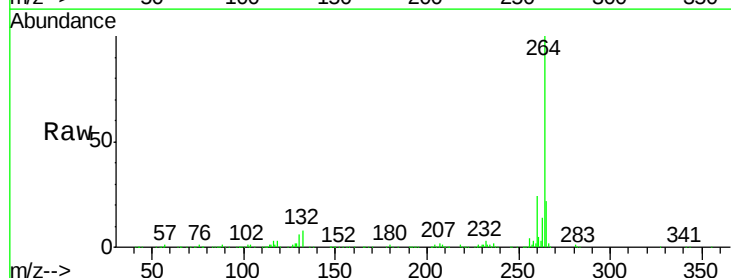
Tgt Ion:264 Resp: 453155

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

265 22.1 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

