

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\
 Data File : BG032245.D
 Acq On : 24 Jan 2018 4:18
 Operator : SJ/JU
 Sample : J1239-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-53-01

Quant Time: Jan 24 08:11:29 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

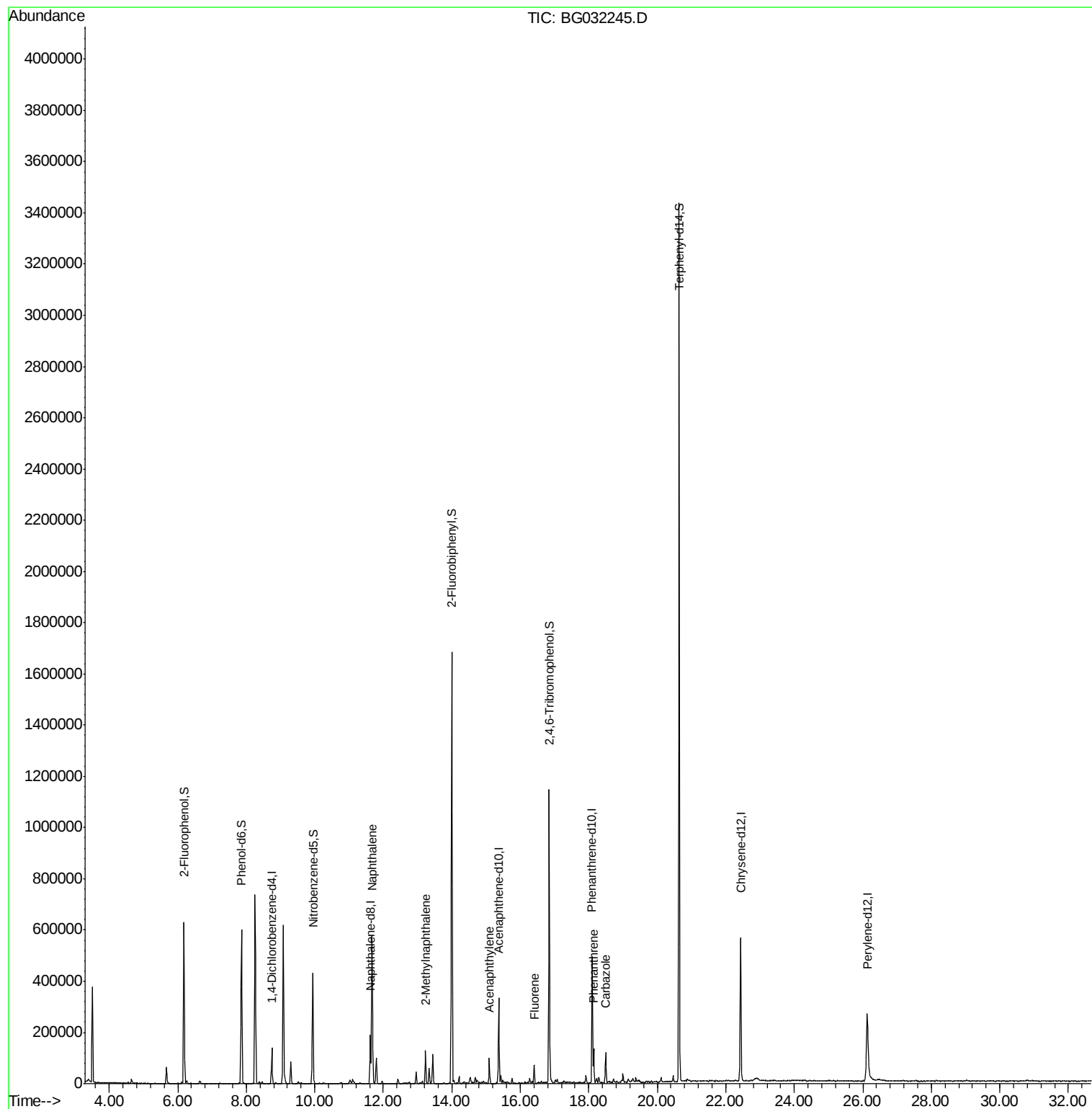
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	46288	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	188461	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	133237	20.00	ng	0.00
63) Phenanthrene-d10	18.10	188	333840	20.00	ng	-0.01
75) Chrysene-d12	22.44	240	435845	20.00	ng	-0.01
86) Perylene-d12	26.13	264	464937	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.18	112	316041	124.87	ng	0.00
7) Phenol-d6	7.86	99	362808	113.82	ng	0.00
23) Nitrobenzene-d5	9.94	82	273014	98.01	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	263298	119.42	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	987515	91.90	ng	0.00
78) Terphenyl-d14	20.64	244	1791339	90.75	ng	-0.01
Target Compounds						
31) Naphthalene	11.67	128	531832	56.966	ng	99
37) 2-Methylnaphthalene	13.23	142	61552	8.304	ng	94
48) Acenaphthylene	15.10	152	78145	5.775	ng	99
57) Fluorene	16.41	166	36021	3.291	ng	98
70) Phenanthrene	18.14	178	94332	5.075	ng	98
72) Carbazole	18.49	167	83349	5.183	ng	99

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

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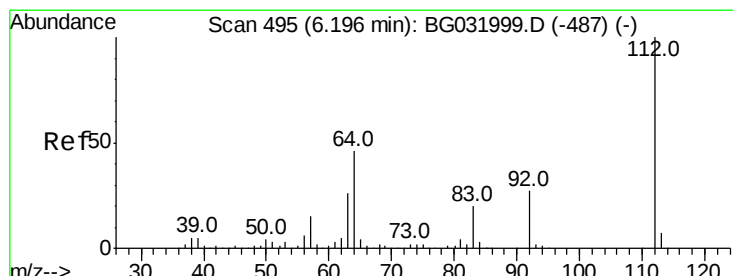
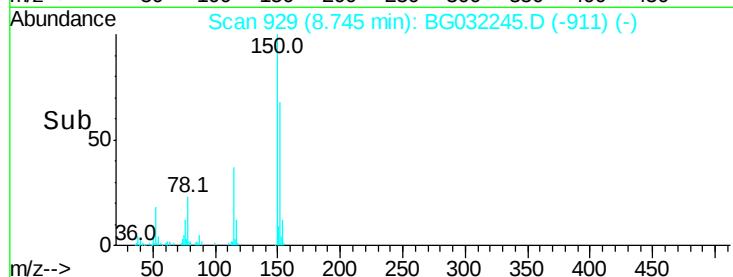
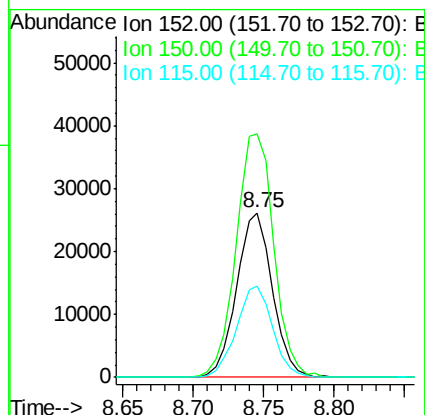
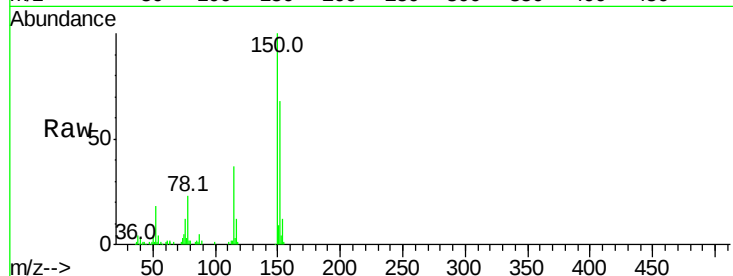


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.75 min Scan# 929
Delta R.T. 0.00 min
Lab File: BG032245.D
Acq: 24 Jan 2018 4:18

Instrument :
BNA_G
ClientSampleId :
WC-53-01

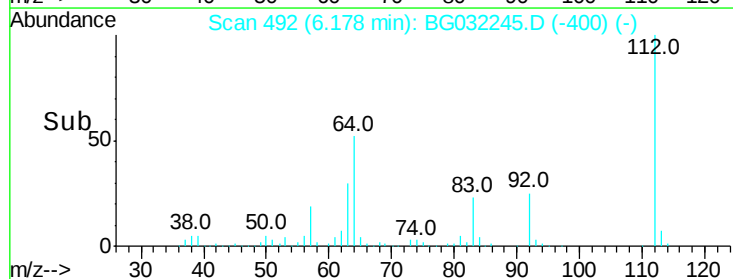
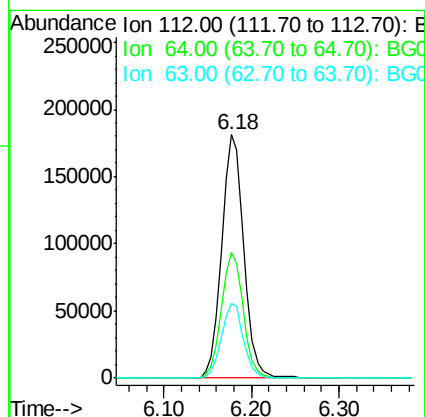
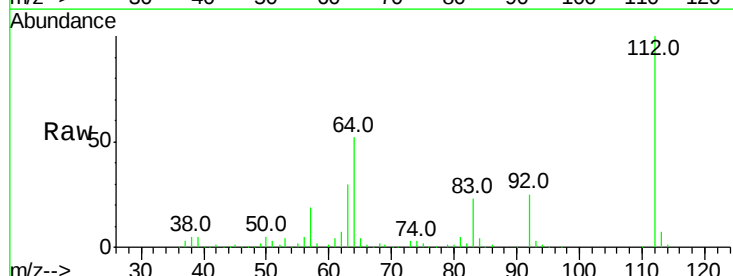
Tot Ion:152 Resp: 46288
Ion Ratio Lower Upper
152 100
150 147.8 126.6 189.8
115 55.3 53.0 79.4



#5

2-Fluorophenol
Concen: 124.874 ng
RT: 6.18 min Scan# 492
Delta R.T. 0.01 min
Lab File: BG032245.D
Acq: 24 Jan 2018 4:18

Tgt Ion:112 Resp: 316041
Ion Ratio Lower Upper
112 100
64 51.5 56.3 84.5#
63 30.5 30.1 45.1





#7

Phenol-d6

Concen: 113.823 ng

RT: 7.86 min Scan# 778

Delta R.T. 0.01 min

Lab File: BG032245.D

Acq: 24 Jan 2018 4:18

Instrument :

BNA_G

ClientSampleId :

WC-53-01

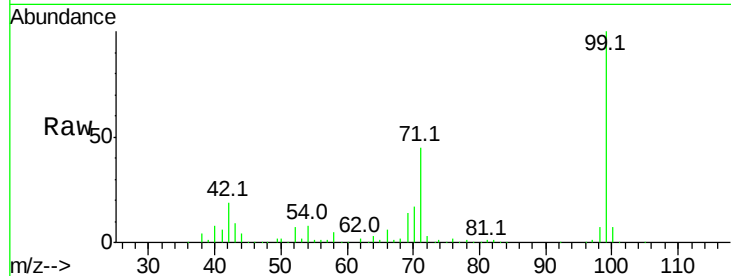
Tot Ion: 99 Resp: 362808

Ion Ratio Lower Upper

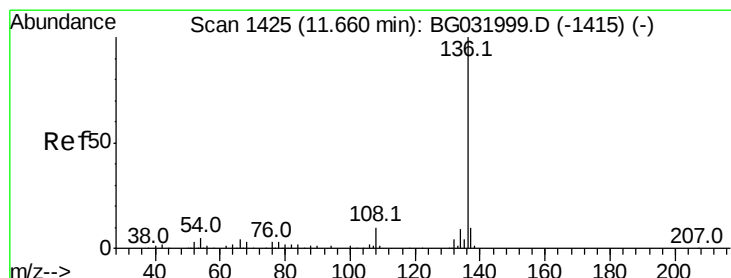
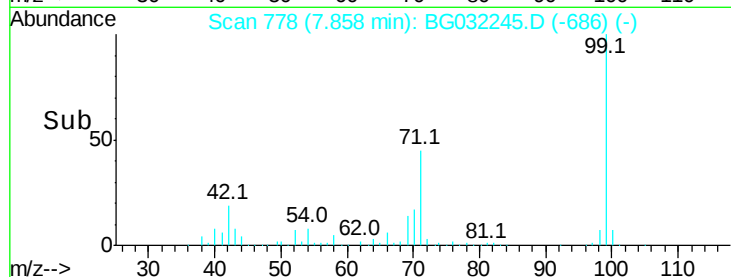
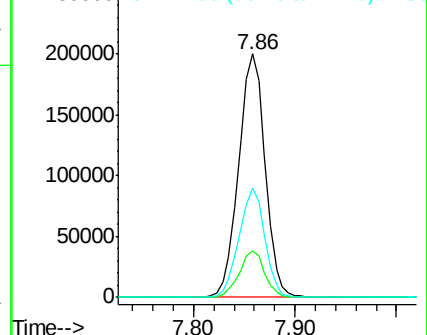
99 100

42 19.2 14.1 21.1

71 44.9 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: 11.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: BG032245.D

Acq: 24 Jan 2018 4:18

Tgt Ion: 136 Resp: 188461

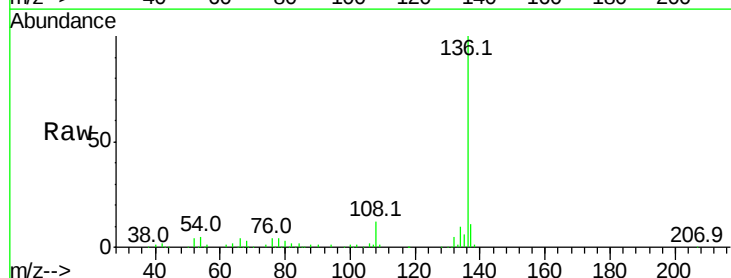
Ion Ratio Lower Upper

136 100

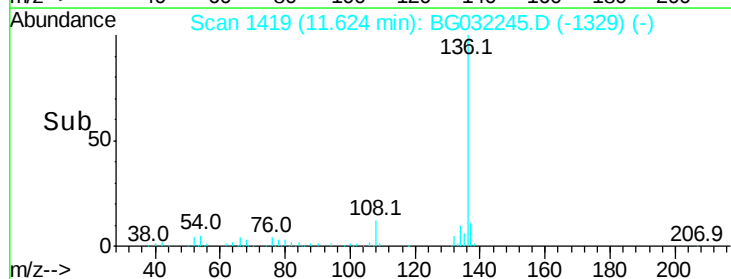
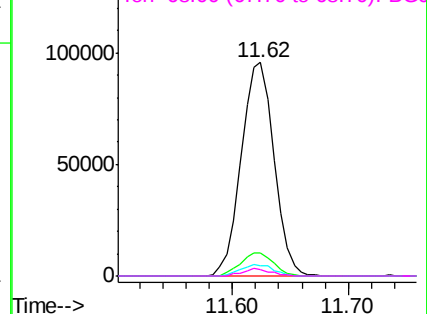
137 10.9 9.2 13.8

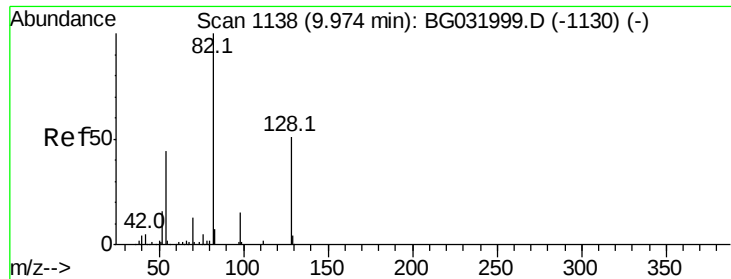
54 4.8 10.3 15.5#

68 3.3 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

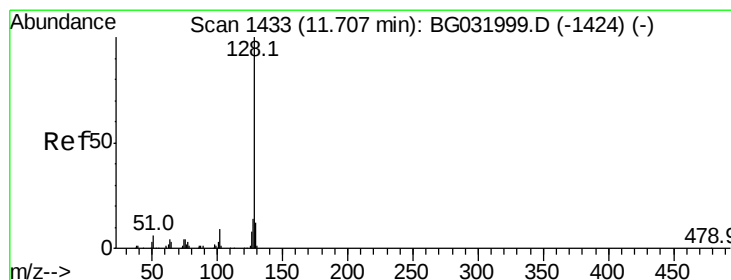
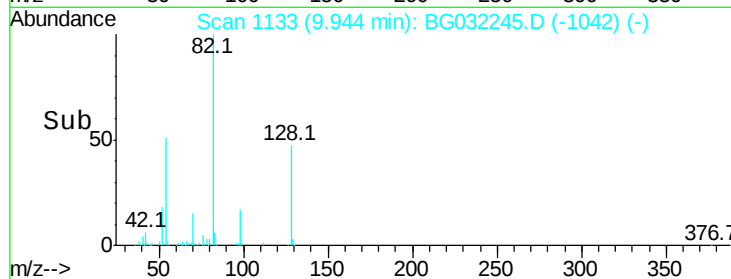
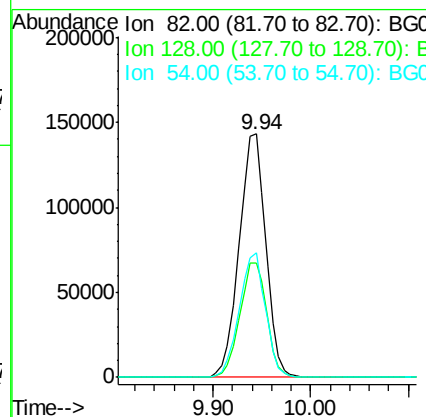
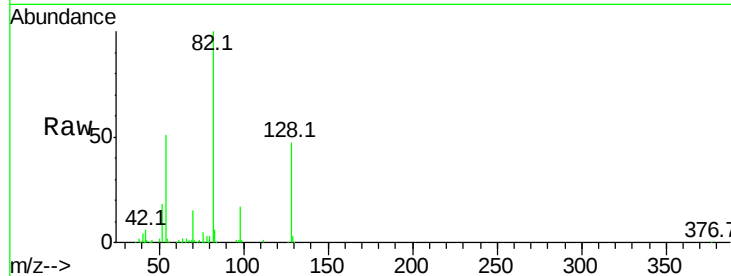




#23
Nitrobenzene-d5
Concen: 98.007 ng
RT: 9.94 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BG032245.D
Acq: 24 Jan 2018 4:18

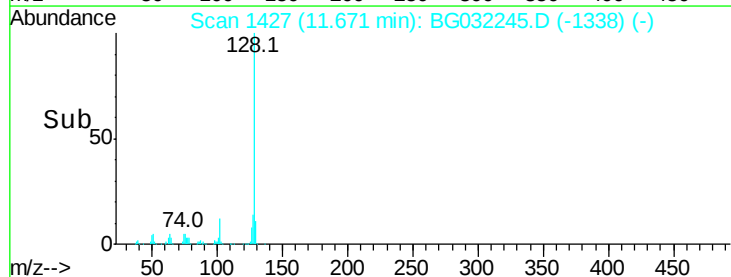
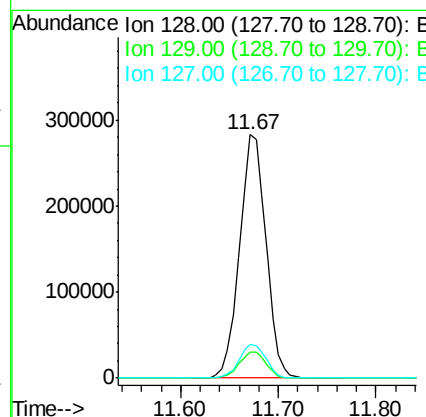
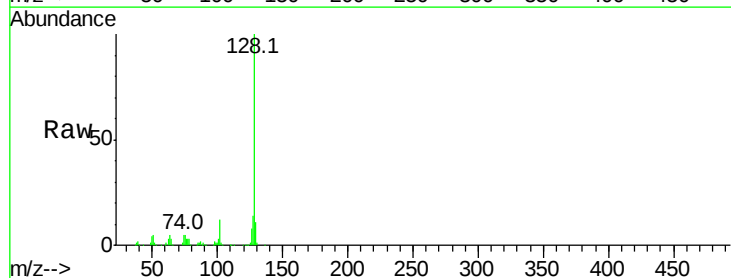
Instrument :
BNA_G
ClientSampleId :
WC-53-01

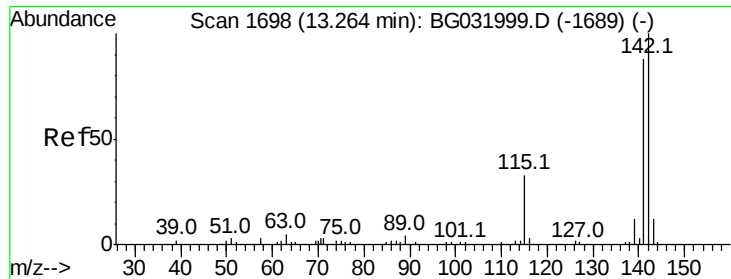
Tot Ion: 82 Resp: 273014
Ion Ratio Lower Upper
82 100
128 47.1 29.7 44.5#
54 51.1 43.1 64.7



#31
Naphthalene
Concen: 56.966 ng
RT: 11.67 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BG032245.D
Acq: 24 Jan 2018 4:18

Tgt Ion: 128 Resp: 531832
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 13.9 11.6 17.4

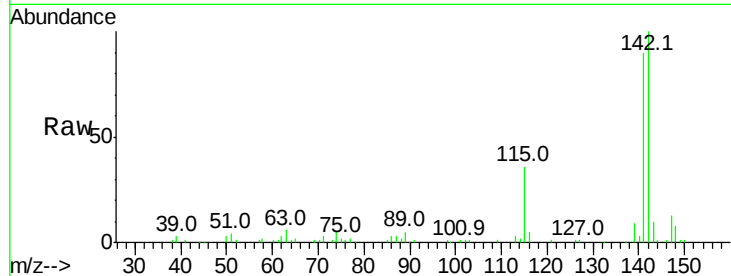




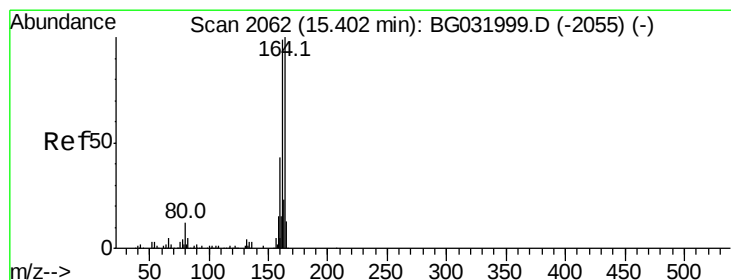
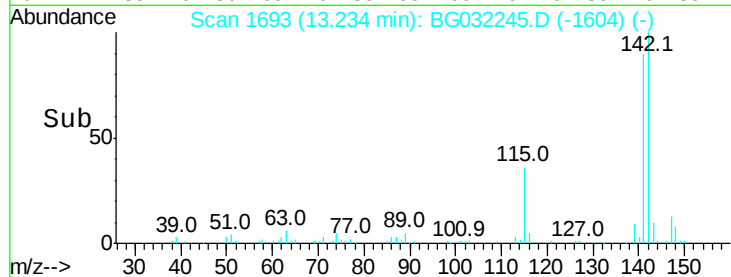
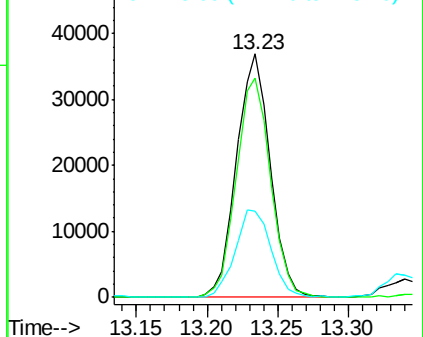
#37
 2-Methylnaphthalene
 Concen: 8.304 ng
 RT: 13.23 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG032245.D
 Acq: 24 Jan 2018 4:18

Instrument :
 BNA_G
 ClientSampleId :
 WC-53-01

Tot Ion:142 Resp: 61552
 Ion Ratio Lower Upper
 142 100
 141 90.0 67.1 100.7
 115 35.5 30.7 46.1

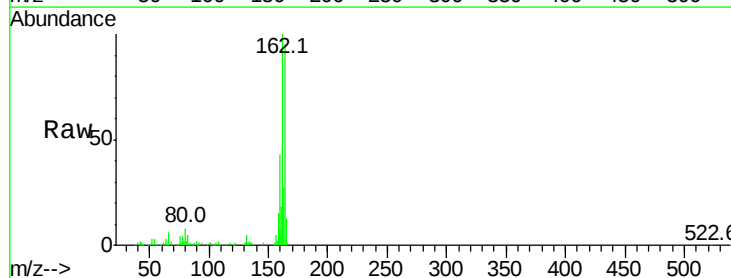


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

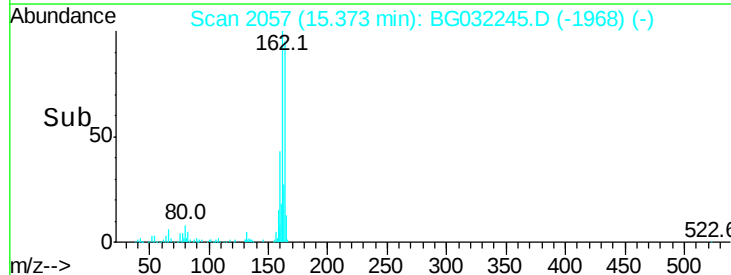
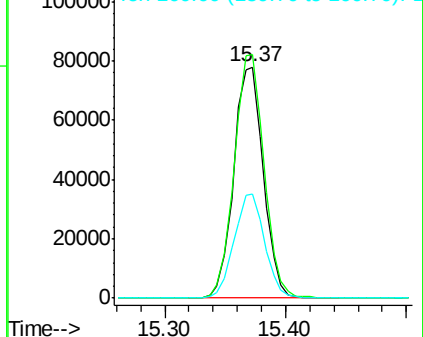


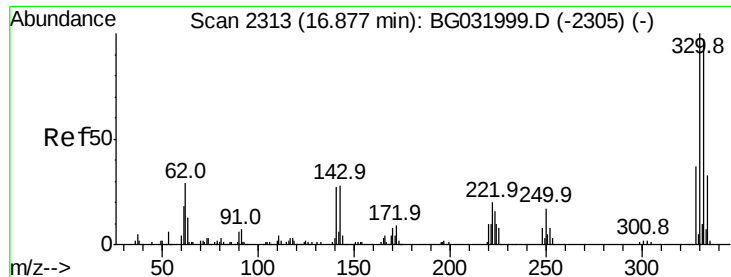
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.37 min Scan# 2057
 Delta R.T. -0.01 min
 Lab File: BG032245.D
 Acq: 24 Jan 2018 4:18

Tgt Ion:164 Resp: 133237
 Ion Ratio Lower Upper
 164 100
 162 105.3 78.8 118.2
 160 45.1 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

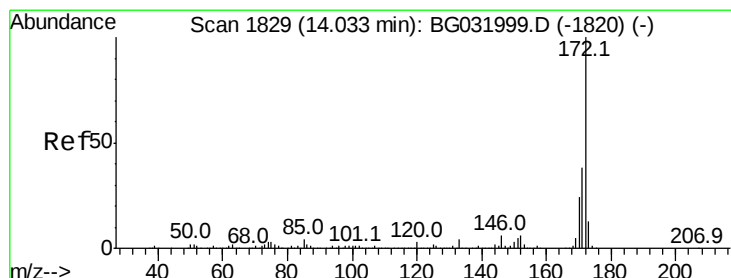
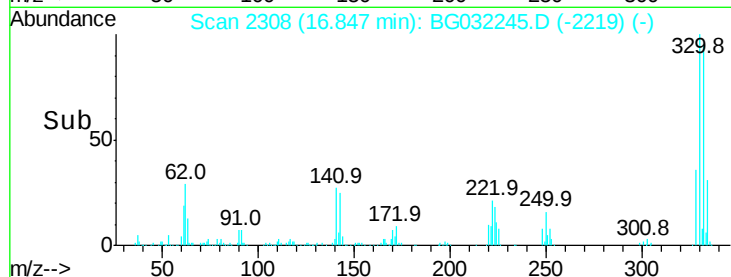
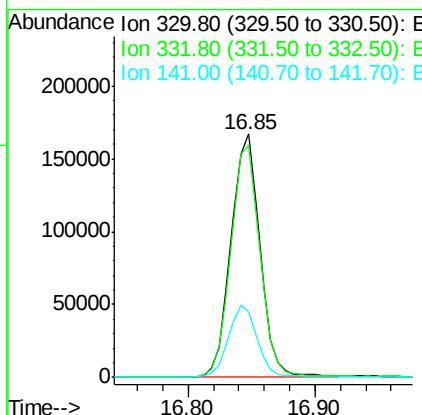
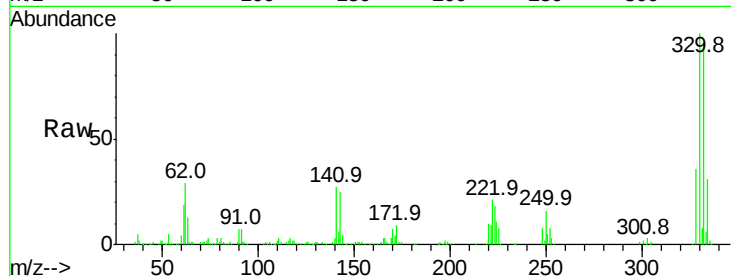




#41
 2,4,6-Tribromophenol
 Concen: 119.422 ng
 RT: 16.85 min Scan# 2308
 Delta R.T. -0.01 min
 Lab File: BG032245.D
 Acq: 24 Jan 2018 4:18

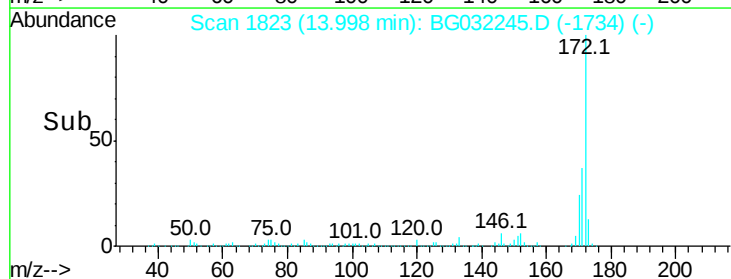
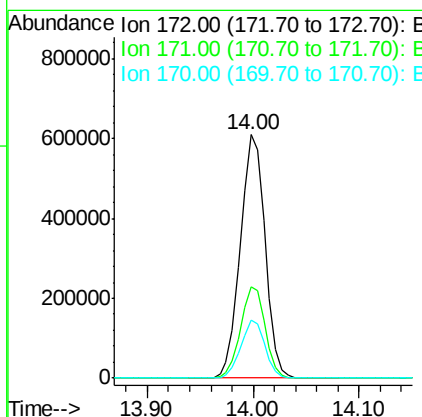
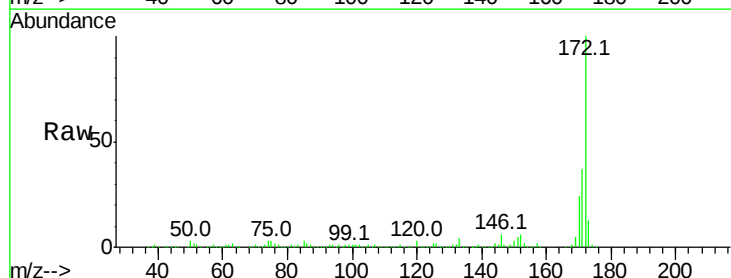
Instrument :
 BNA_G
 ClientSampleId :
 WC-53-01

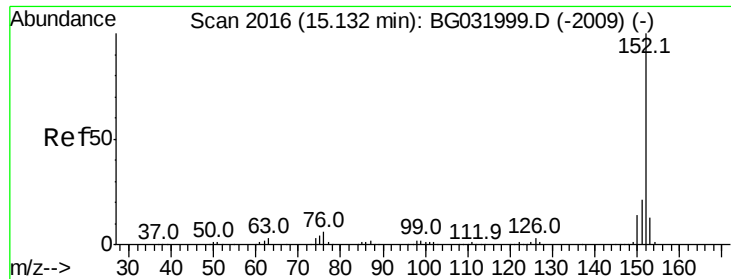
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	29.7	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 91.902 ng
 RT: 14.00 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BG032245.D
 Acq: 24 Jan 2018 4:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	24.0	19.5	29.3





#48

Acenaphthylene

Concen: 5.775 ng

RT: 15.10 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BG032245.D

Acq: 24 Jan 2018 4:18

Instrument :

BNA_G

ClientSampleId :

WC-53-01

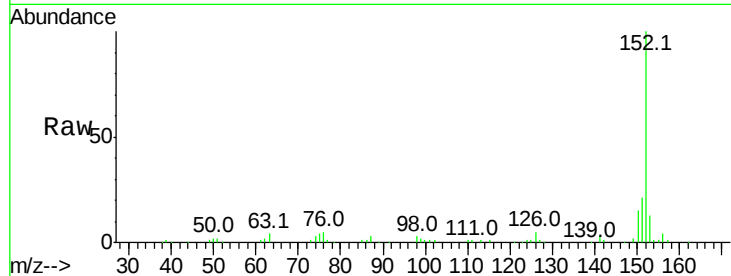
Tot Ion:152 Resp: 78145

Ion Ratio Lower Upper

152 100

151 21.5 17.2 25.8

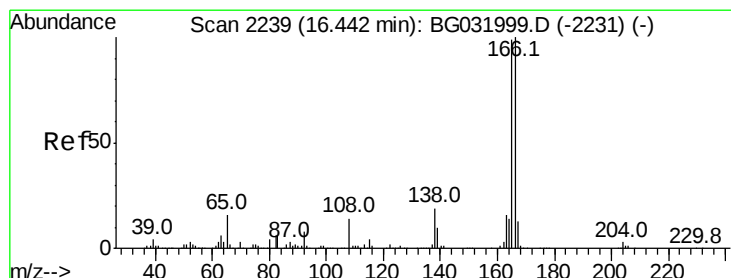
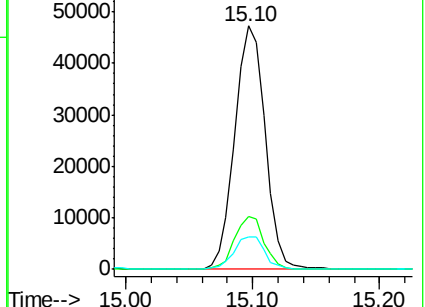
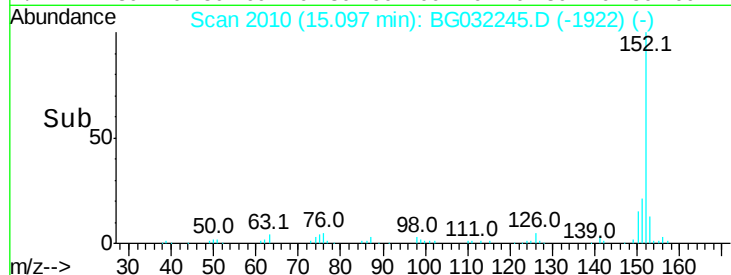
153 13.3 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#57

Fluorene

Concen: 3.291 ng

RT: 16.41 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BG032245.D

Acq: 24 Jan 2018 4:18

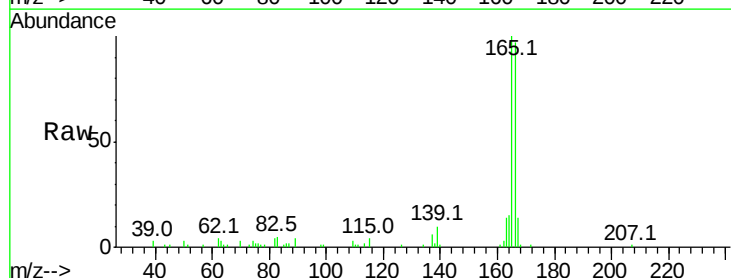
Tgt Ion:166 Resp: 36021

Ion Ratio Lower Upper

166 100

165 102.6 80.6 121.0

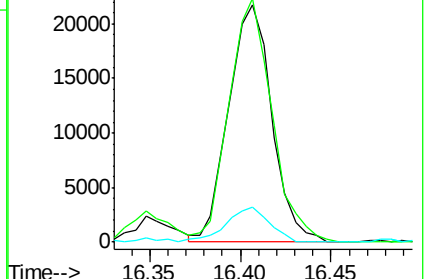
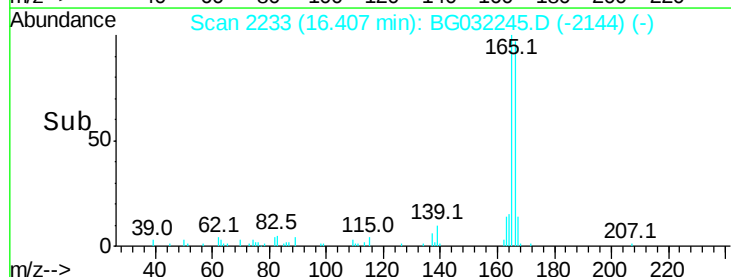
167 14.5 10.4 15.6

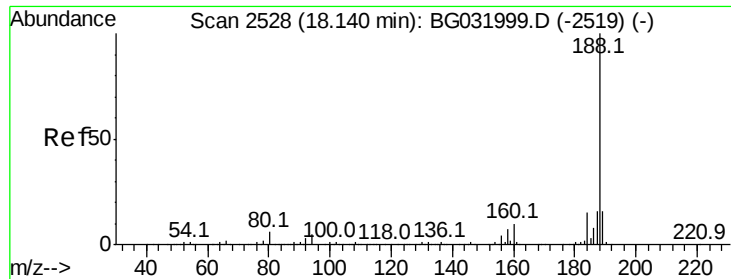


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

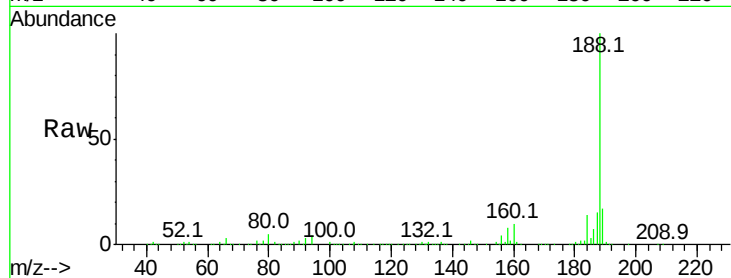




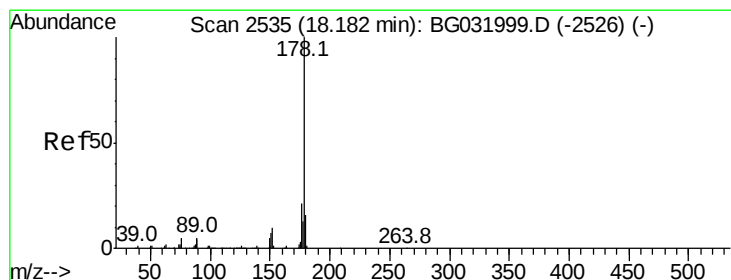
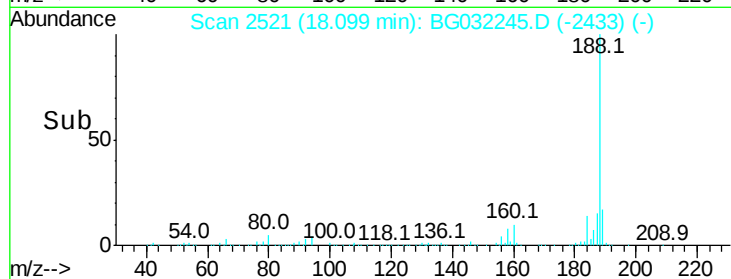
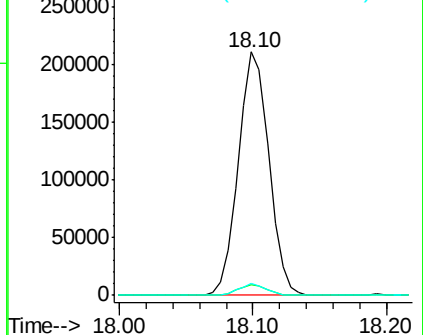
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.10 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BG032245.D
Acq: 24 Jan 2018 4:18

Instrument :
BNA_G
ClientSampled :
WC-53-01

Tot Ion:188 Resp: 333840
Ion Ratio Lower Upper
188 100
94 4.4 6.9 10.3#
80 4.9 7.7 11.5#

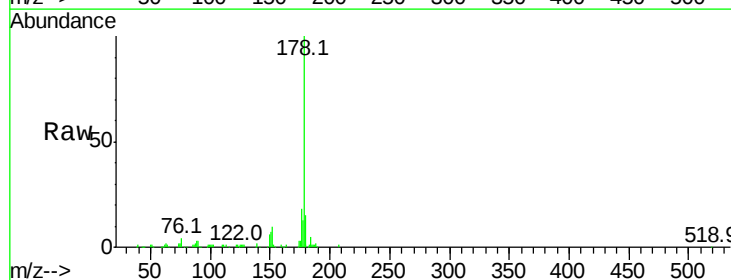


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

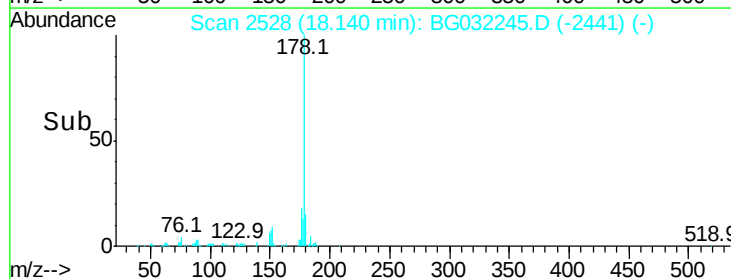
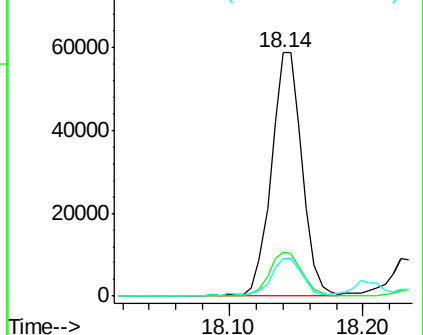


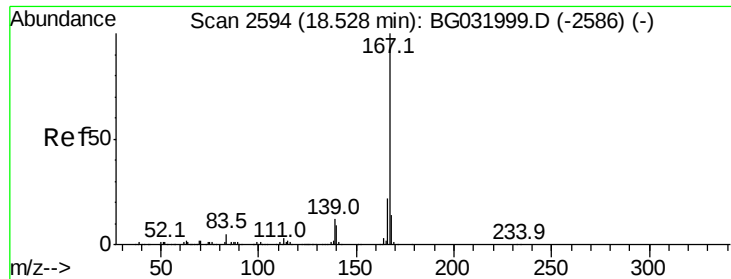
#70
Phenanthrene
Concen: 5.075 ng
RT: 18.14 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BG032245.D
Acq: 24 Jan 2018 4:18

Tgt Ion:178 Resp: 94332
Ion Ratio Lower Upper
178 100
176 17.8 15.7 23.5
179 15.4 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





#72

Carbazole

Concen: 5.183 ng

RT: 18.49 min Scan# 2588

Delta R.T. -0.01 min

Lab File: BG032245.D

Acq: 24 Jan 2018 4:18

Instrument :

BNA_G

ClientSampleId :

WC-53-01

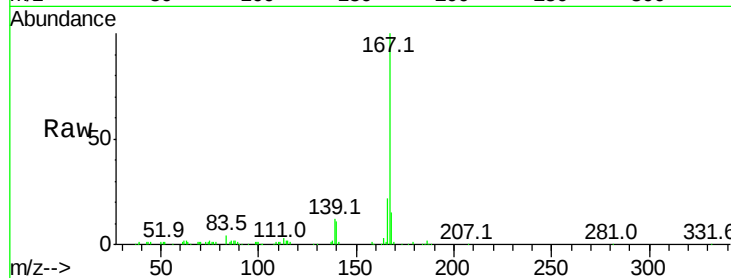
Tot Ion:167 Resp: 83349

Ion Ratio Lower Upper

167 100

166 22.1 18.2 27.4

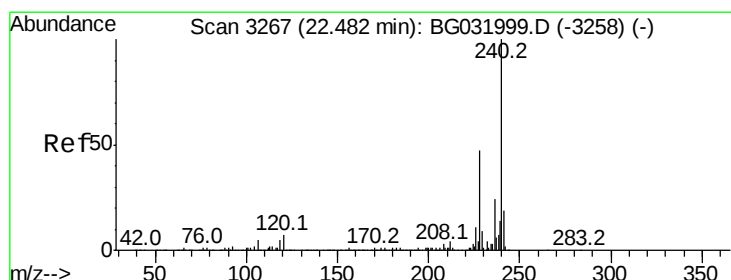
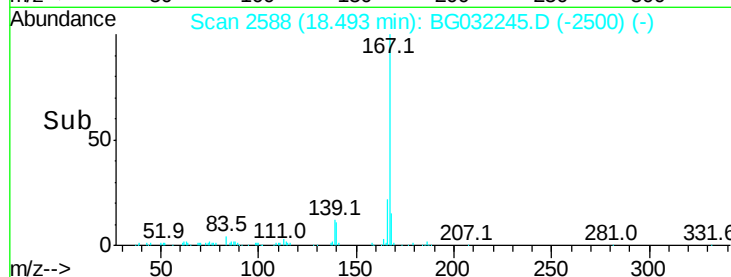
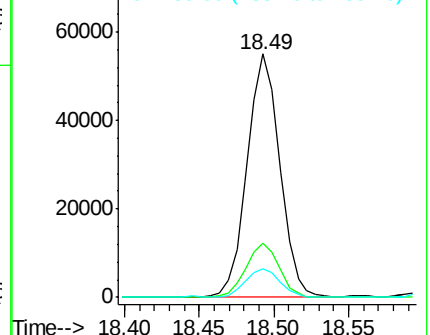
139 11.8 9.4 14.2



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.44 min Scan# 3259

Delta R.T. -0.01 min

Lab File: BG032245.D

Acq: 24 Jan 2018 4:18

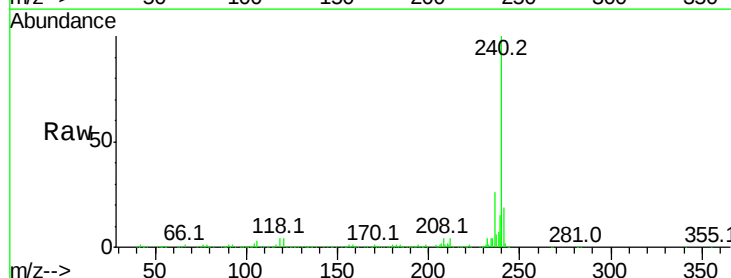
Tgt Ion:240 Resp: 435845

Ion Ratio Lower Upper

240 100

120 4.0 6.8 10.2#

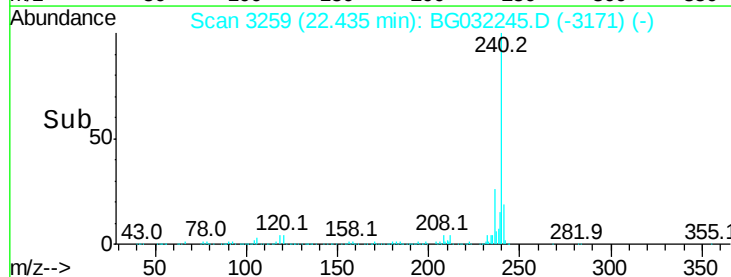
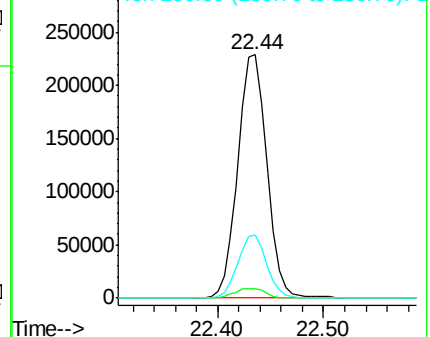
236 26.0 20.9 31.3

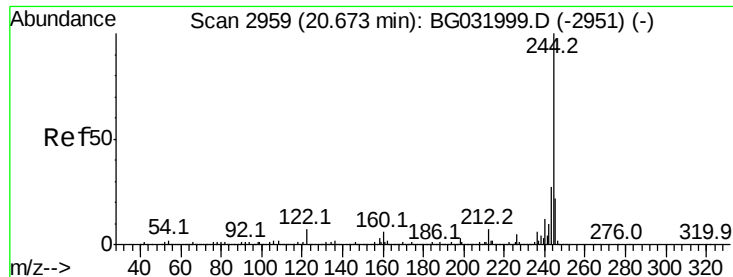


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 90.751 ng

RT: 20.64 min Scan# 2953

Delta R.T. -0.01 min

Lab File: BG032245.D

Acq: 24 Jan 2018 4:18

Instrument :

BNA_G

ClientSampleId :

WC-53-01

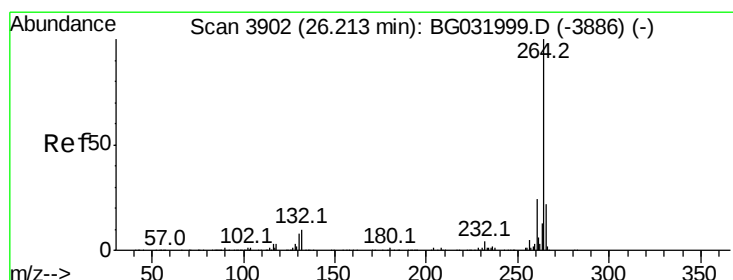
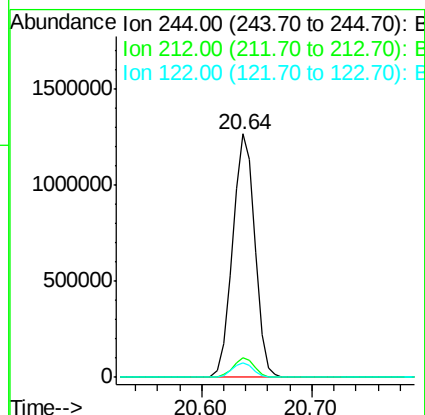
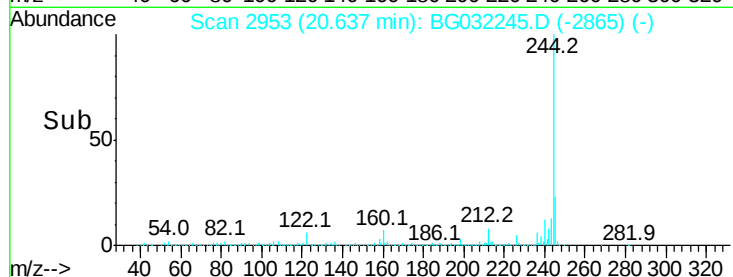
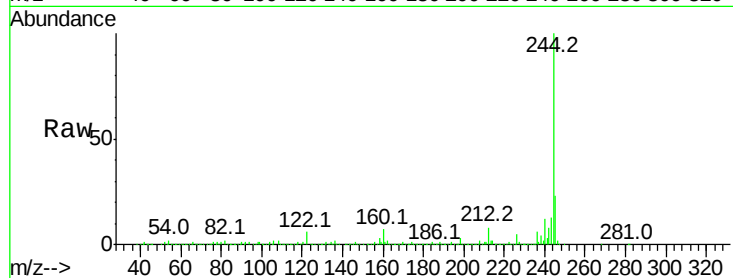
Tot Ion:244 Resp: 1791339

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

122 6.0 7.0 10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.13 min Scan# 3888

Delta R.T. -0.02 min

Lab File: BG032245.D

Acq: 24 Jan 2018 4:18

Tgt Ion:264 Resp: 464937

Ion Ratio Lower Upper

264 100

260 22.3 17.4 26.0

265 20.3 17.7 26.5

