

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032954.D
 Acq On : 2 Mar 2018 20:24
 Operator : SJ/JU
 Sample : J1661-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-9

Quant Time: Mar 03 00:04:29 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

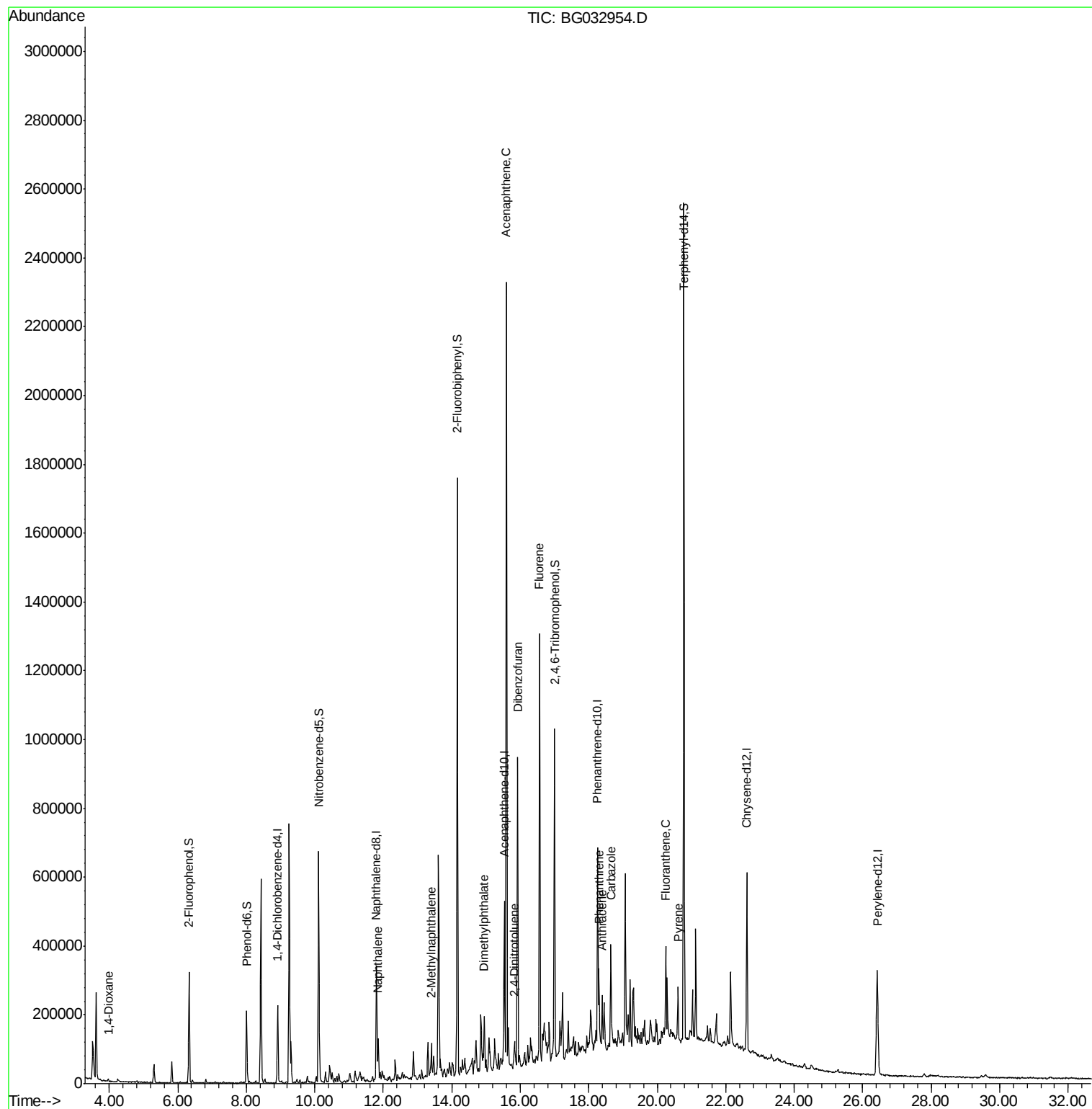
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	67104	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	308363	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	175643	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	368786	20.00	ng	0.00
75) Chrysene-d12	22.61	240	339400	20.00	ng	0.00
86) Perylene-d12	26.42	264	359936	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	153777	36.66	ng	0.00
7) Phenol-d6	8.01	99	130999	22.41	ng	0.00
23) Nitrobenzene-d5	10.11	82	422107	93.83	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	151226	81.88	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	888013	72.92	ng	0.00
78) Terphenyl-d14	20.78	244	1113907	73.74	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.97	88	3997	2.196	ng	Qvalue # 72
31) Naphthalene	11.85	128	100021	6.207	ng	98
37) 2-Methylnaphthalene	13.40	142	26631	2.284	ng	93
49) Dimethylphthalate	14.95	163	109565	7.347	ng	99
51) Acenaphthene	15.59	154	871756	74.571	ng	98
54) Dibenzofuran	15.92	168	605470	36.374	ng	94
56) 2,4-Dinitrotoluene	15.83	165	6165	8.965	ng	# 54
57) Fluorene	16.56	166	589928	42.939	ng	97
70) Phenanthrene	18.30	178	136604	6.639	ng	98
71) Anthracene	18.39	178	107713	5.215	ng	99
72) Carbazole	18.64	167	187134	9.191	ng	98
74) Fluoranthene	20.25	202	141605	6.231	ng	96
77) Pyrene	20.61	202	83563	3.491	ng	99

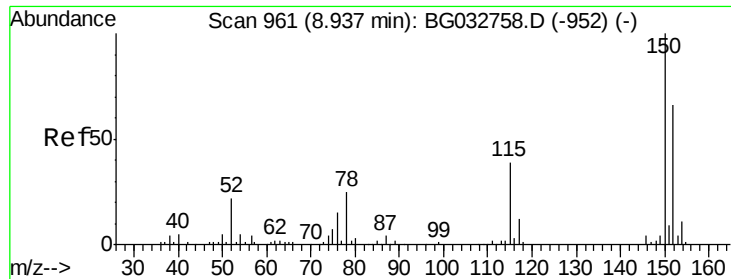
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030218\
Data File : BG032954.D
Acq On : 2 Mar 2018 20:24
Operator : SJ/JU
Sample : J1661-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-9

Quant Time: Mar 03 00:04:29 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 01 17:38:52 2018
Response via : Initial Calibration



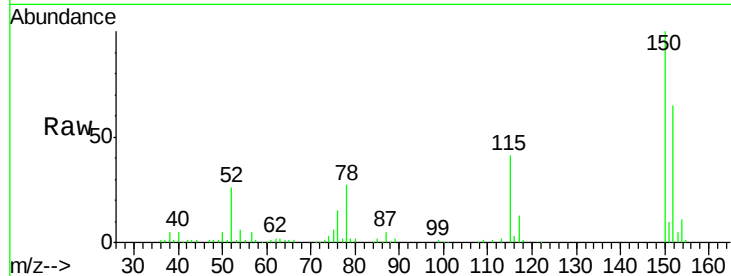


#1

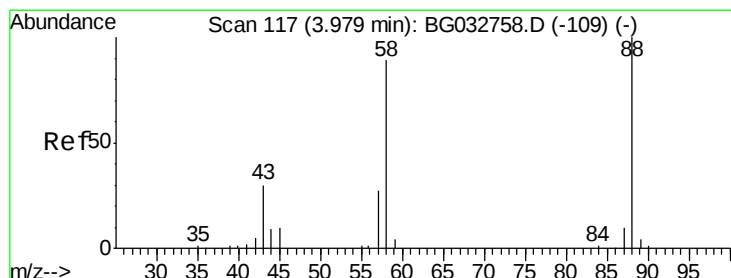
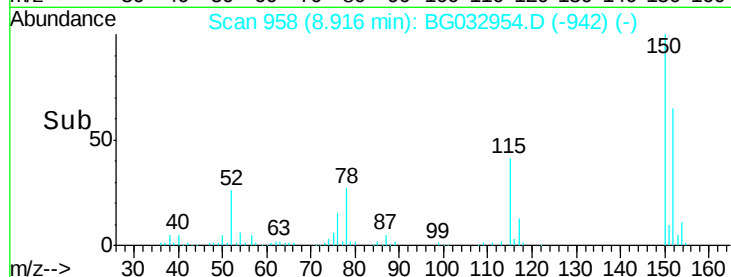
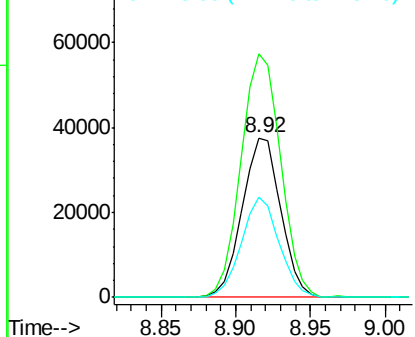
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032954.D
Acq: 2 Mar 2018 20:24

Instrument :
BNA_G
ClientSampleId :
MW-9

Tot Ion:152 Resp: 67104
Ion Ratio Lower Upper
152 100
150 152.7 126.6 189.8
115 63.0 53.0 79.4



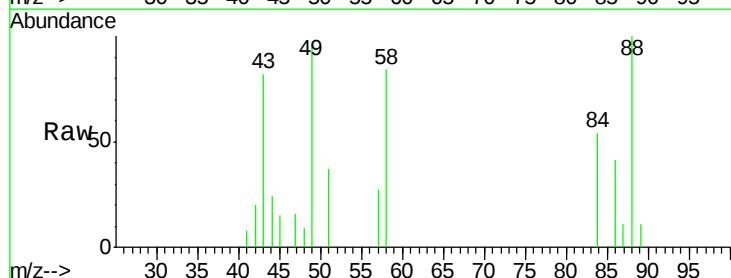
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



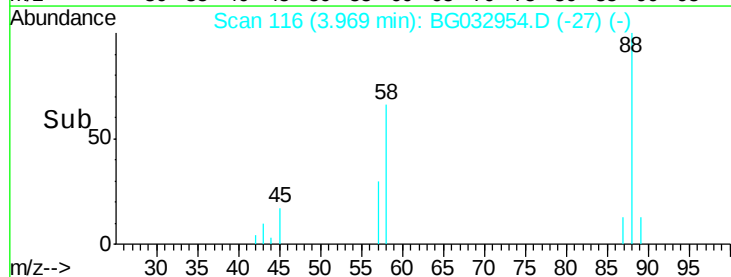
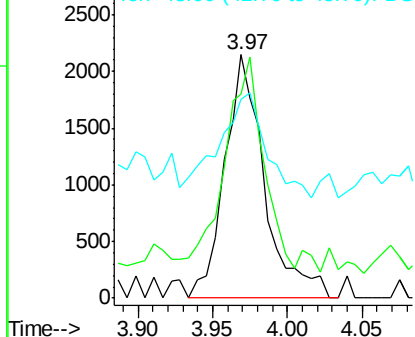
#2

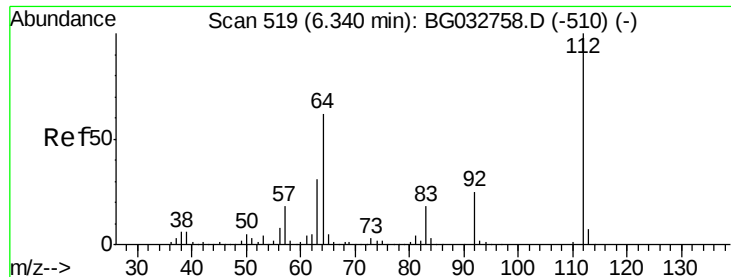
1,4-Dioxane
Concen: 2.196 ng
RT: 3.97 min Scan# 116
Delta R.T. -0.01 min
Lab File: BG032954.D
Acq: 2 Mar 2018 20:24

Tgt Ion: 88 Resp: 3997
Ion Ratio Lower Upper
88 100
58 82.1 79.6 119.4
43 0.0 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 36.663 ng

RT: 6.33 min Scan# 518

Delta R.T. 0.00 min

Lab File: BG032954.D

Acq: 2 Mar 2018 20:24

Instrument :

BNA_G

ClientSampleId :

MW-9

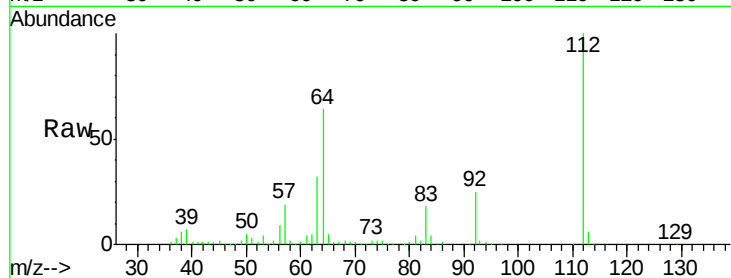
Tot Ion:112 Resp: 153777

Ion Ratio Lower Upper

112 100

64 64.4 56.3 84.5

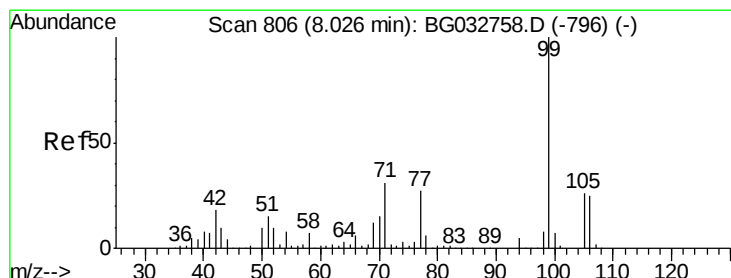
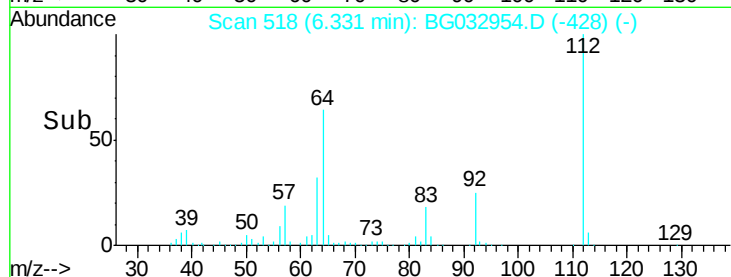
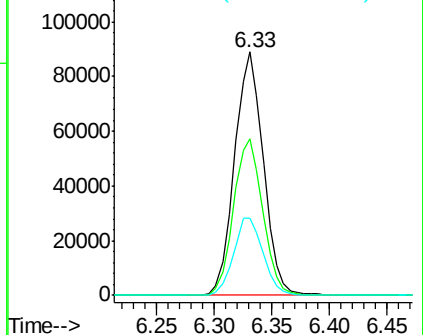
63 31.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 22.407 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG032954.D

Acq: 2 Mar 2018 20:24

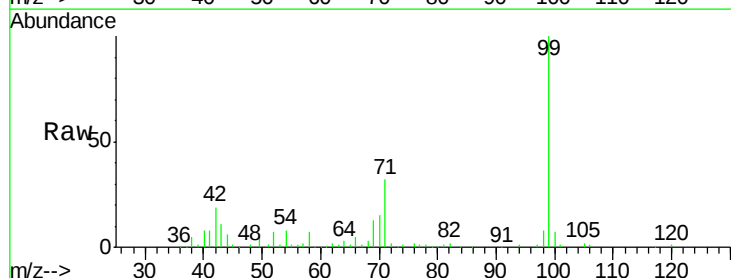
Tgt Ion: 99 Resp: 130999

Ion Ratio Lower Upper

99 100

42 19.3 14.1 21.1

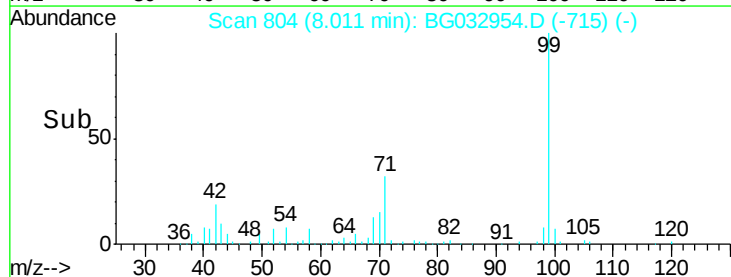
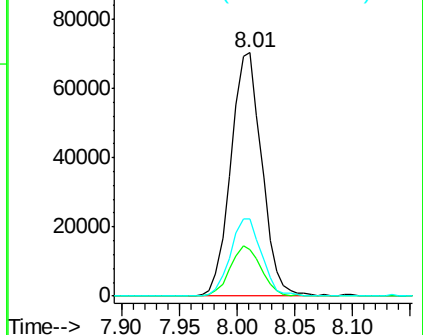
71 31.8 26.1 39.1

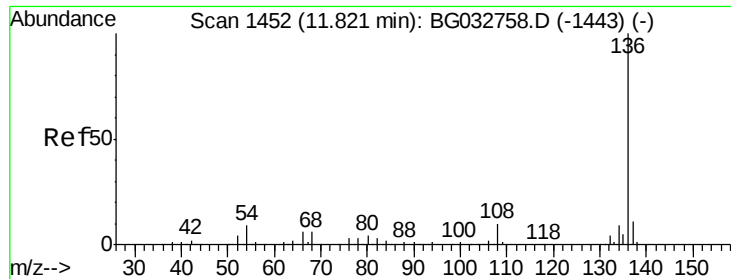


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

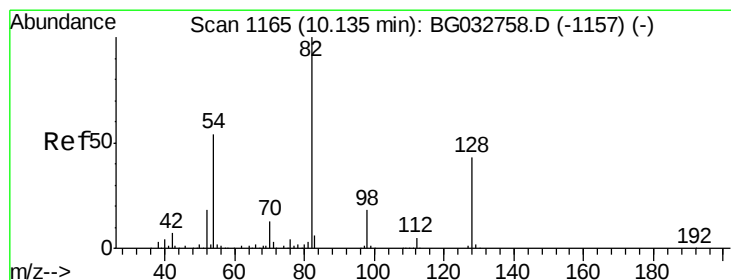
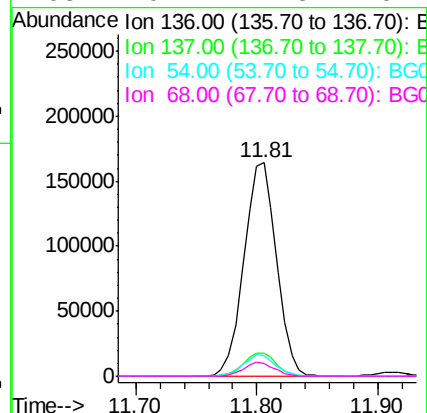
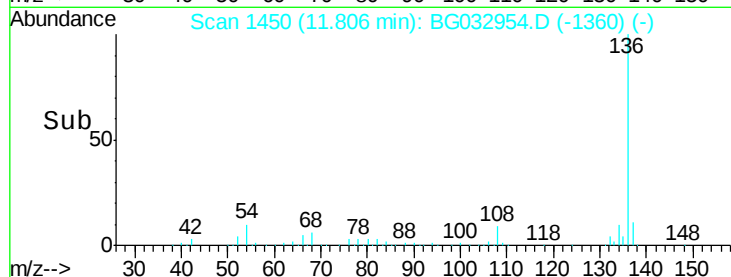
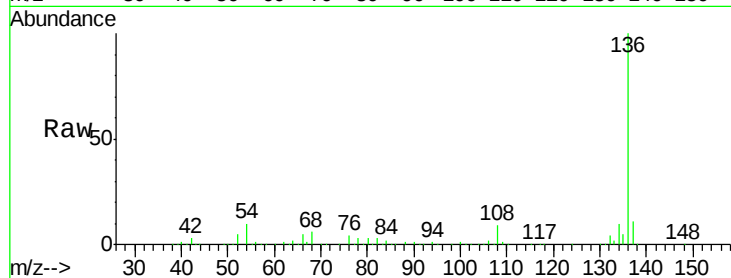




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BG032954.D
Acq: 2 Mar 2018 20:24

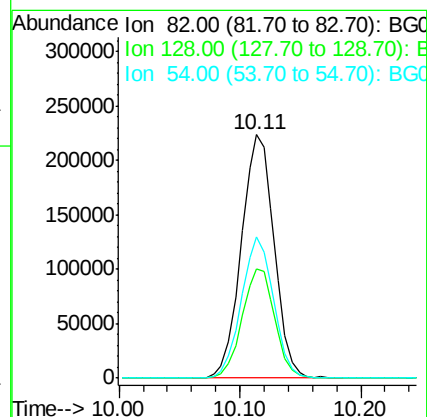
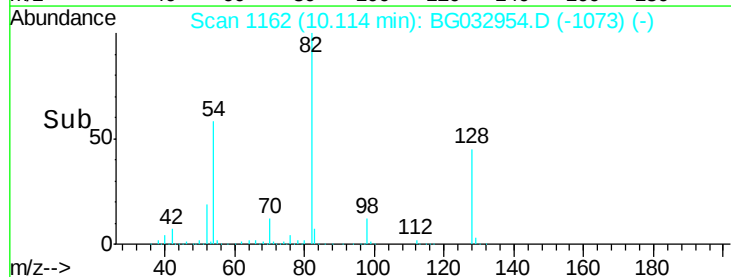
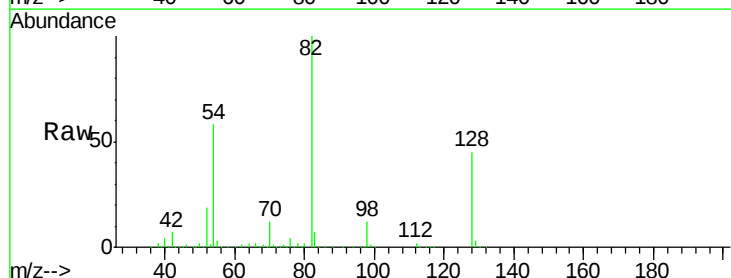
Instrument :
BNA_G
ClientSampleId :
MW-9

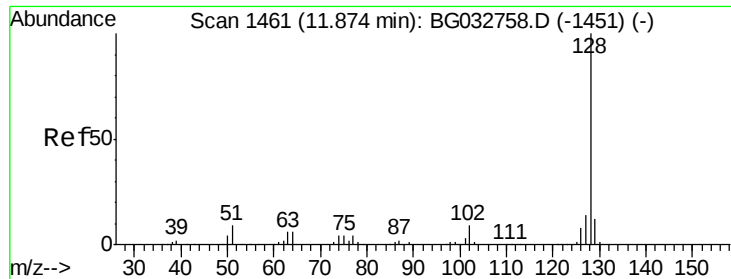
Tot Ion:136	Resp:	308363
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.2 13.8
54	9.7	10.3 15.5#
68	6.2	4.5 6.7



#23
Nitrobenzene-d5
Concen: 93.827 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BG032954.D
Acq: 2 Mar 2018 20:24

Tgt Ion: 82	Resp:	422107
Ion Ratio	Lower	Upper
82	100	
128	45.1	29.7 44.5#
54	58.0	43.1 64.7

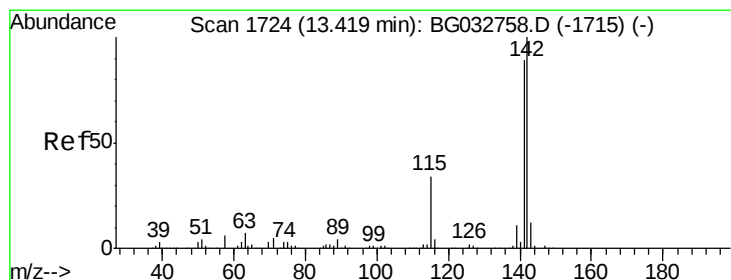
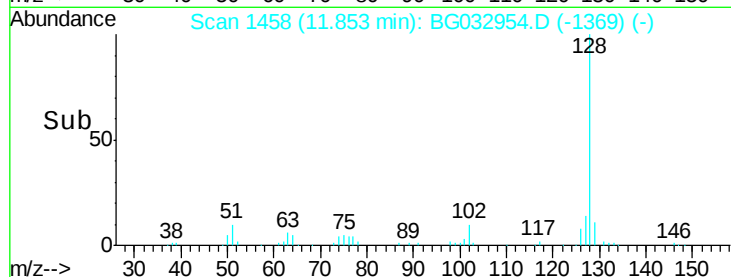
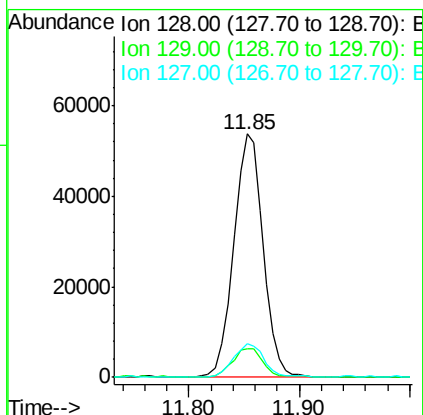
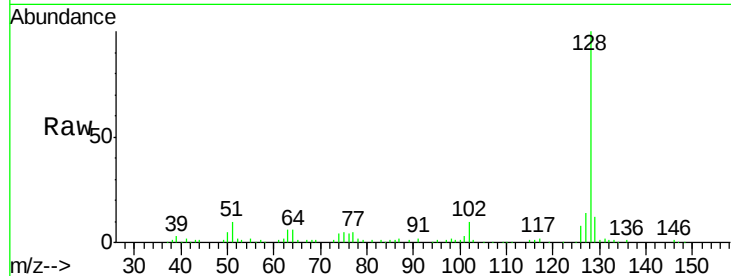




#31
Naphthalene
Concen: 6.207 ng
RT: 11.85 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BG032954.D
Acq: 2 Mar 2018 20:24

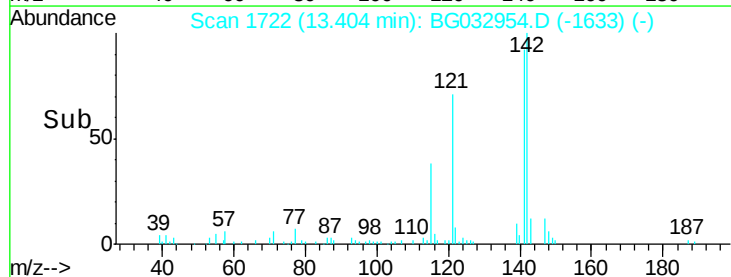
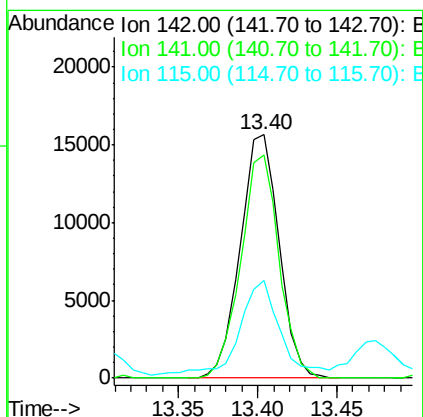
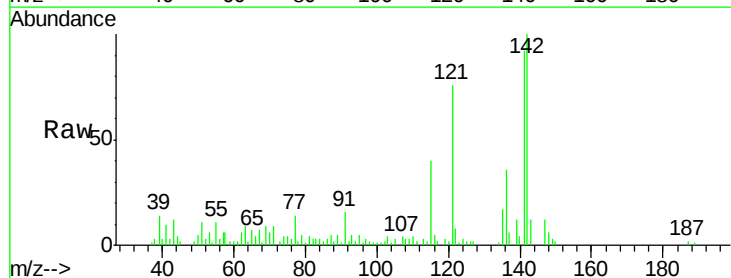
Instrument :
BNA_G
ClientSampleId :
MW-9

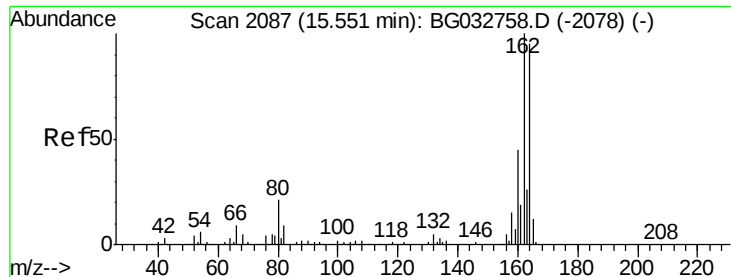
Tot Ion:128 Resp: 100021
Ion Ratio Lower Upper
128 100
129 11.6 8.6 12.8
127 14.0 11.6 17.4



#37
2-Methylnaphthalene
Concen: 2.284 ng
RT: 13.40 min Scan# 1722
Delta R.T. -0.01 min
Lab File: BG032954.D
Acq: 2 Mar 2018 20:24

Tgt Ion:142 Resp: 26631
Ion Ratio Lower Upper
142 100
141 91.8 67.1 100.7
115 40.0 30.7 46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG032954.D

Acq: 2 Mar 2018 20:24

Instrument :

BNA_G

ClientSampleId :

MW-9

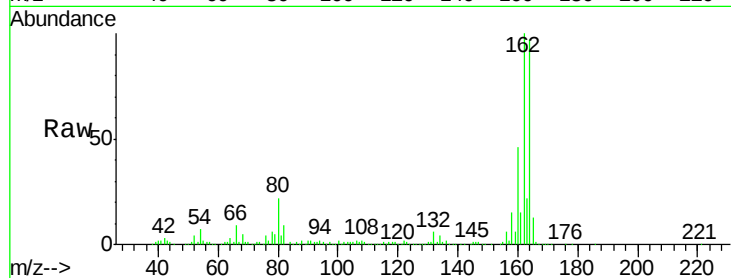
Tot Ion:164 Resp: 175643

Ion Ratio Lower Upper

164 100

162 103.5 78.8 118.2

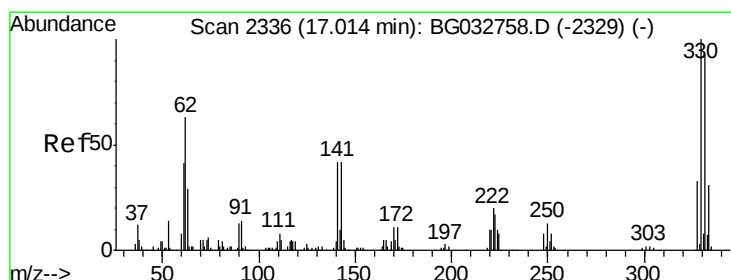
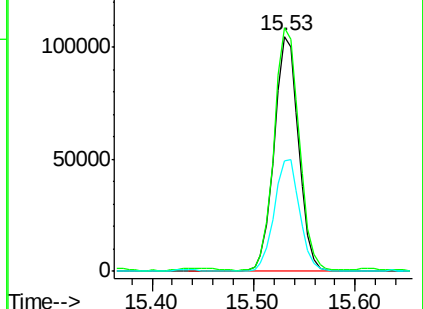
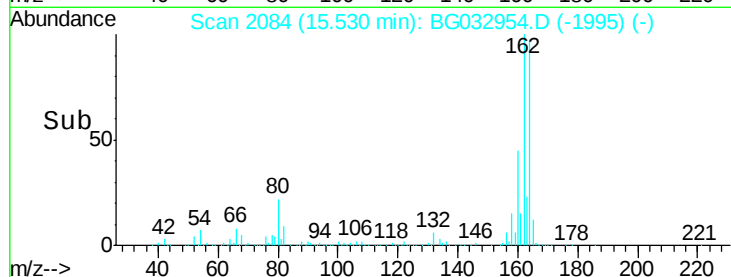
160 47.2 35.4 53.0



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: 81.884 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.00 min

Lab File: BG032954.D

Acq: 2 Mar 2018 20:24

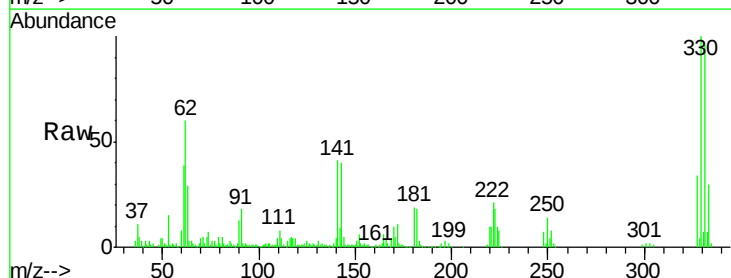
Tgt Ion:330 Resp: 151226

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

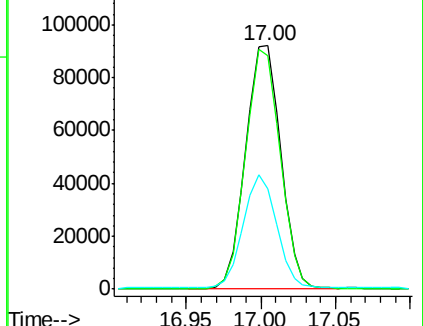
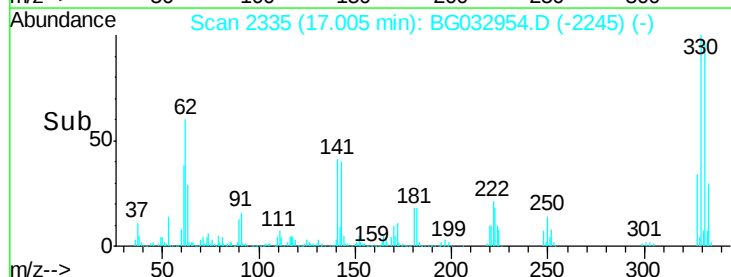
141 44.2 25.2 37.8#

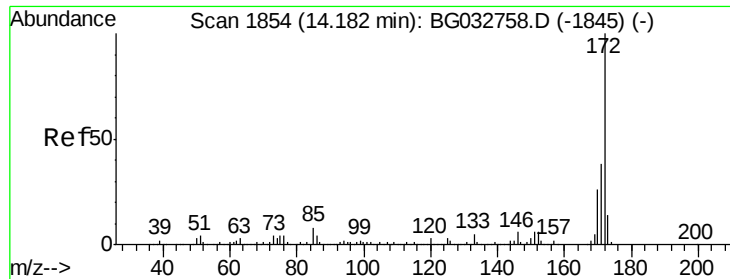


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

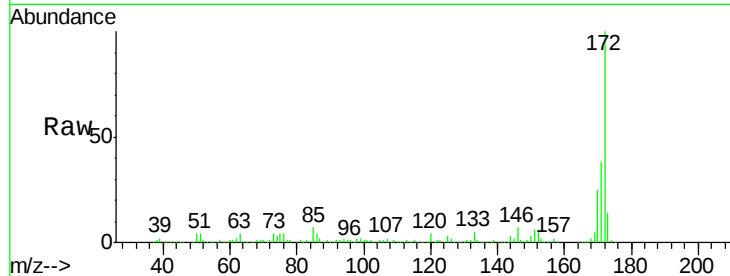




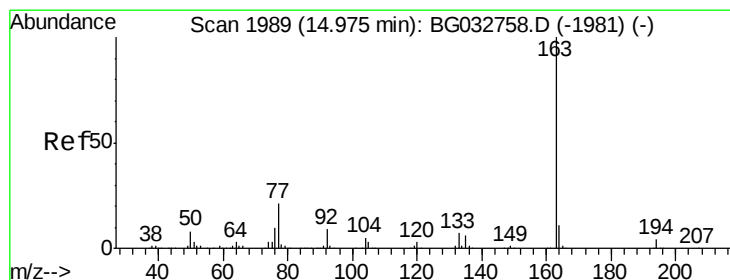
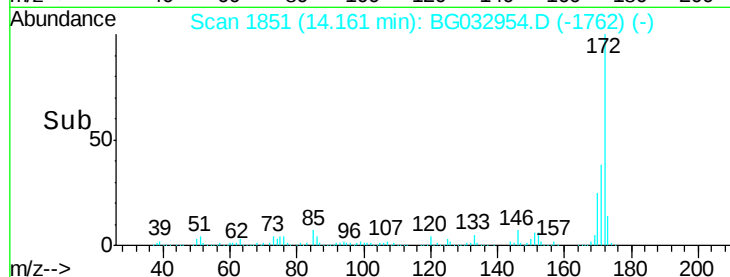
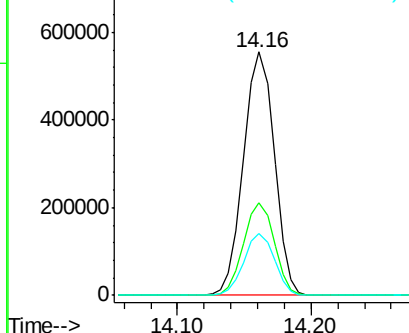
#44
2-Fluorobiphenyl
Concen: 72.917 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BG032954.D
Acq: 2 Mar 2018 20:24

Instrument :
BNA_G
ClientSampleId :
MW-9

Tot Ion:172 Resp: 888013
Ion Ratio Lower Upper
172 100
171 38.0 30.0 45.0
170 25.4 19.5 29.3

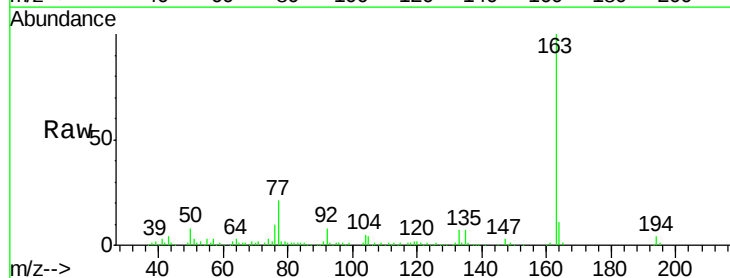


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

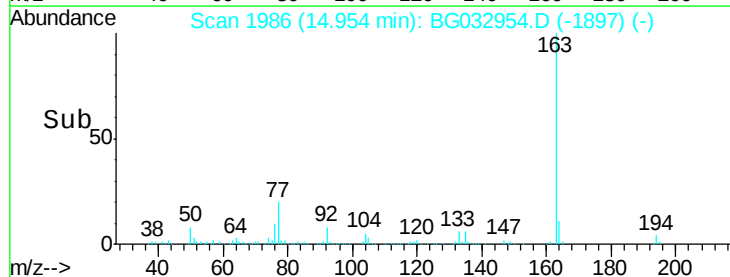
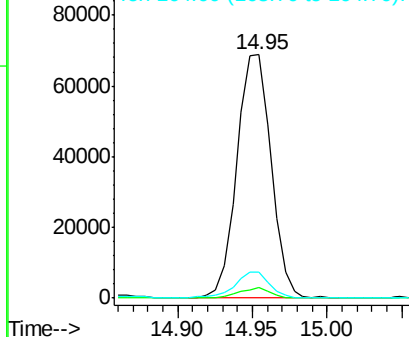


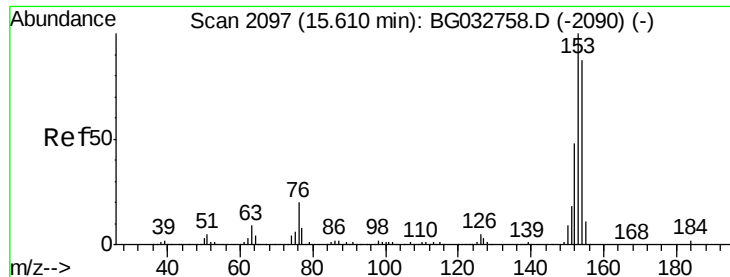
#49
Dimethylphthalate
Concen: 7.347 ng
RT: 14.95 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BG032954.D
Acq: 2 Mar 2018 20:24

Tgt Ion:163 Resp: 109565
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 10.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 74.571 ng

RT: 15.59 min Scan# 2095

Delta R.T. -0.01 min

Lab File: BG032954.D

Acq: 2 Mar 2018 20:24

Instrument :

BNA_G

ClientSampleId :

MW-9

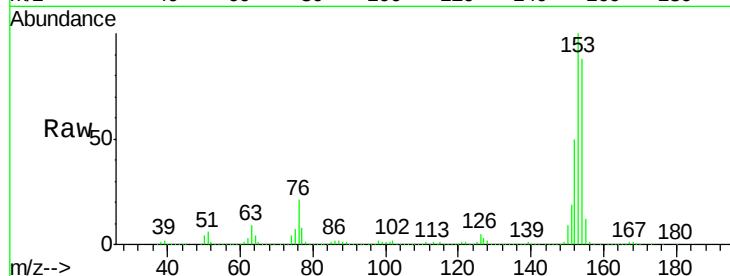
Tot Ion:154 Resp: 871756

Ion Ratio Lower Upper

154 100

153 113.4 90.4 135.6

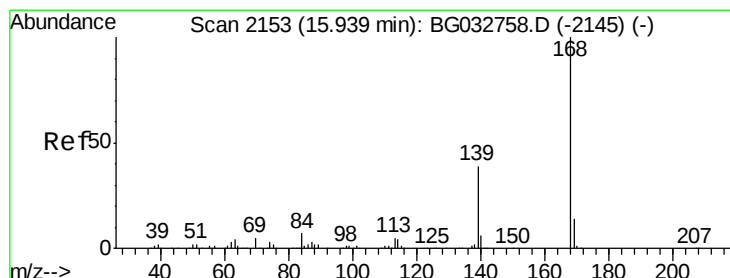
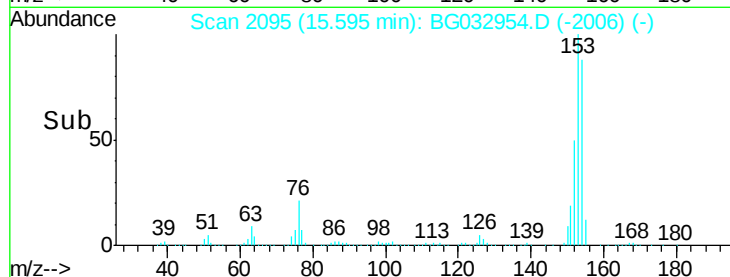
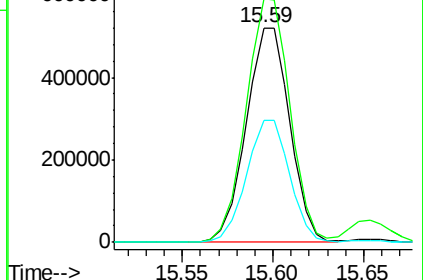
152 56.9 41.6 62.4



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



#54

Dibenzofuran

Concen: 36.374 ng

RT: 15.92 min Scan# 2151

Delta R.T. 0.00 min

Lab File: BG032954.D

Acq: 2 Mar 2018 20:24

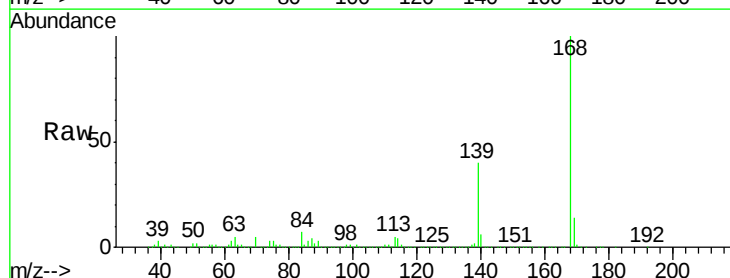
Tgt Ion:168 Resp: 605470

Ion Ratio Lower Upper

168 100

139 40.2 28.6 43.0

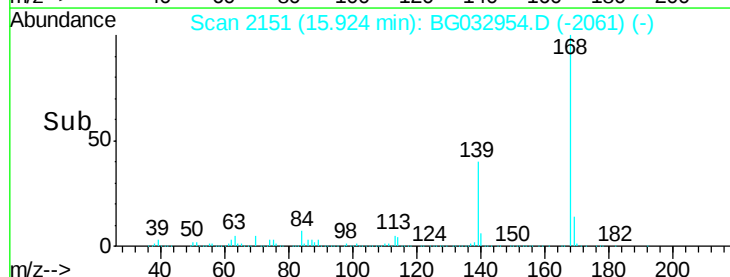
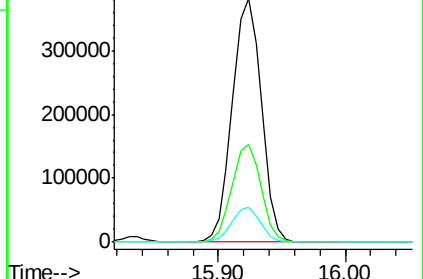
169 14.2 11.2 16.8

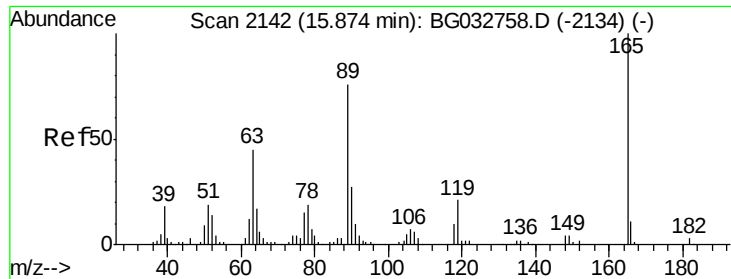


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

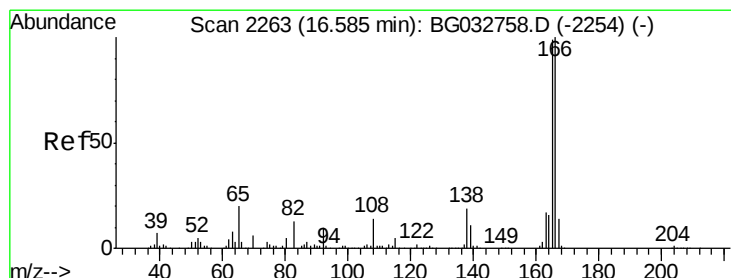
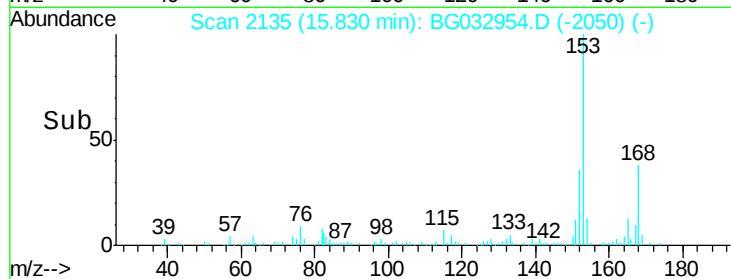
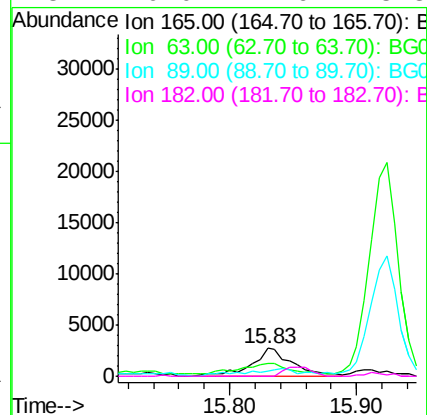
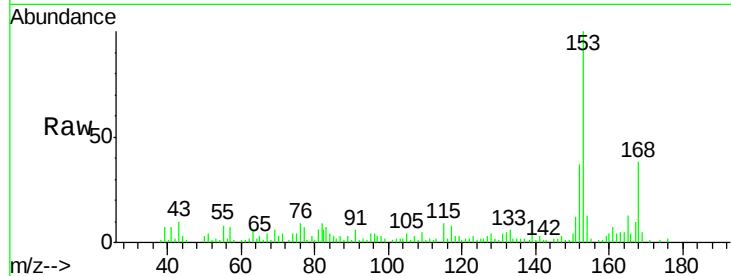




#56
2,4-Dinitrotoluene
Concen: 8.965 ng
RT: 15.83 min Scan# 2135
Delta R.T. -0.03 min
Lab File: BG032954.D
Acq: 2 Mar 2018 20:24

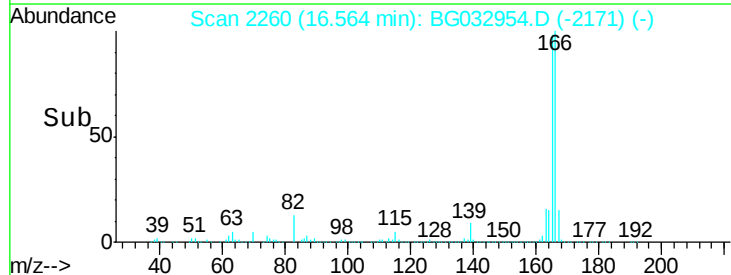
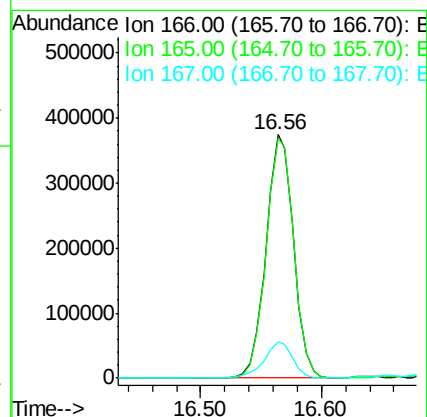
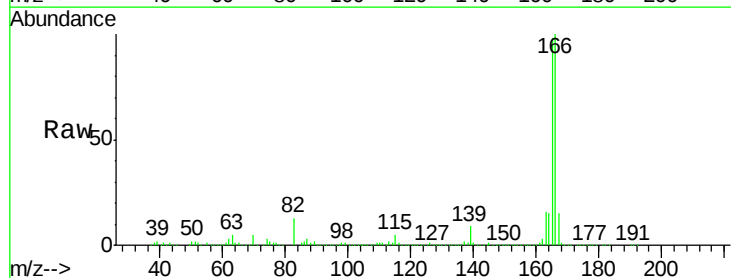
Instrument :
BNA_G
ClientSampleId :
MW-9

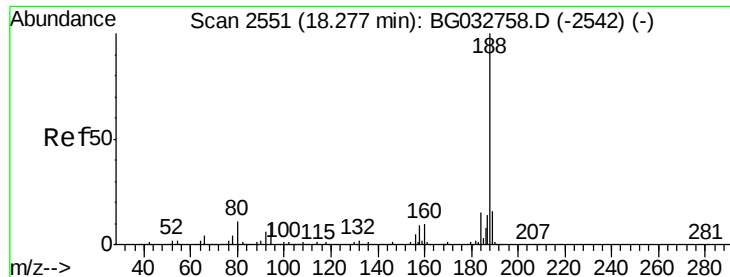
Tot Ion:165 Resp: 6165
Ion Ratio Lower Upper
165 100
63 46.1 42.0 63.0
89 19.6 66.9 100.3#
182 0.0 2.6 3.8#



#57
Fluorene
Concen: 42.939 ng
RT: 16.56 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BG032954.D
Acq: 2 Mar 2018 20:24

Tgt Ion:166 Resp: 589928
Ion Ratio Lower Upper
166 100
165 98.5 80.6 121.0
167 14.8 10.4 15.6

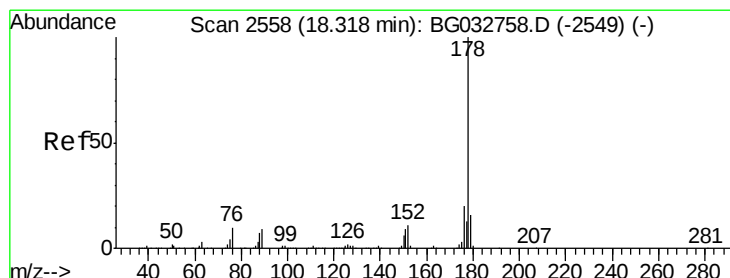
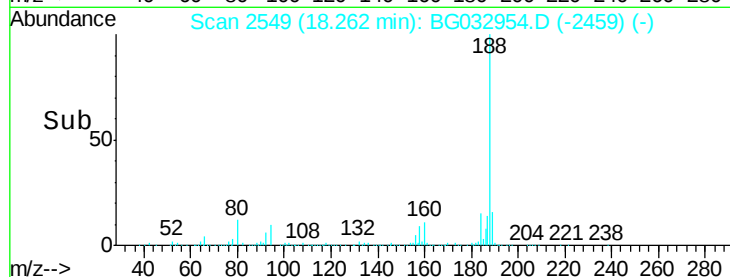
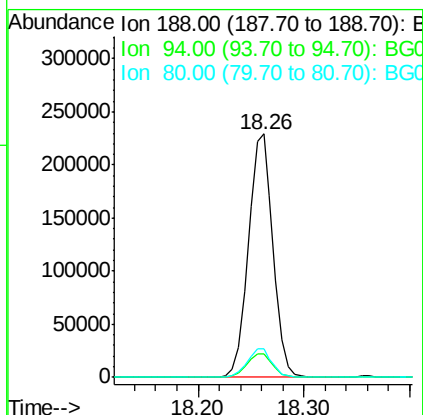
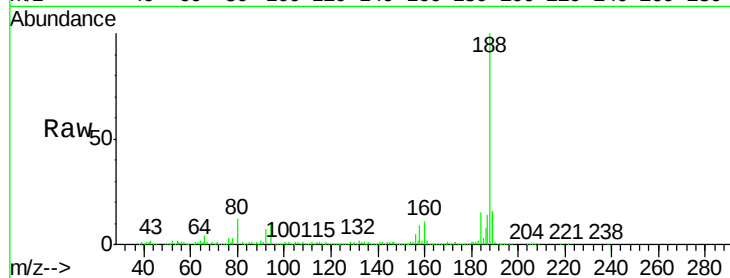




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2549
Delta R.T. 0.00 min
Lab File: BG032954.D
Acq: 2 Mar 2018 20:24

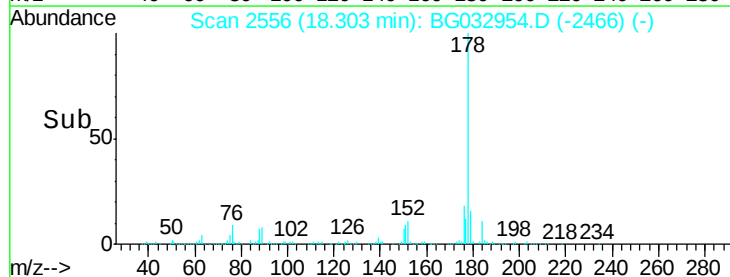
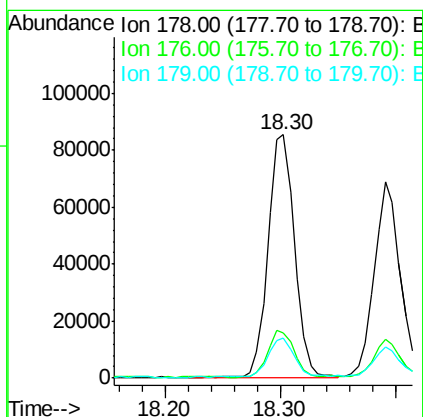
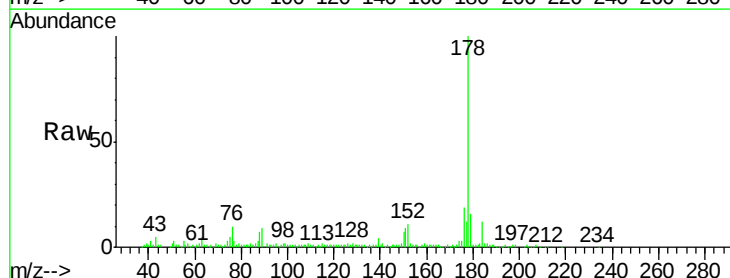
Instrument :
BNA_G
ClientSampleId :
MW-9

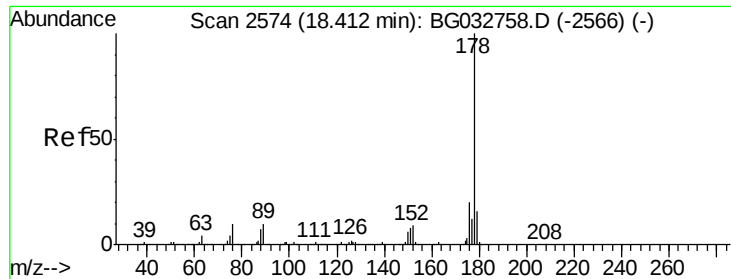
Tot Ion:188 Resp: 368786
Ion Ratio Lower Upper
188 100
94 9.8 6.9 10.3
80 11.8 7.7 11.5#



#70
Phenanthrene
Concen: 6.639 ng
RT: 18.30 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BG032954.D
Acq: 2 Mar 2018 20:24

Tgt Ion:178 Resp: 136604
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 16.3 12.5 18.7





#71

Anthracene

Concen: 5.215 ng

RT: 18.39 min Scan# 2571

Delta R.T. -0.01 min

Lab File: BG032954.D

Acq: 2 Mar 2018 20:24

Instrument :

BNA_G

ClientSampleId :

MW-9

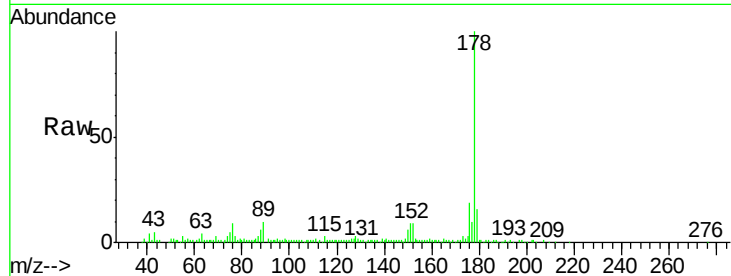
Tot Ion:178 Resp: 107713

Ion Ratio Lower Upper

178 100

176 19.5 16.0 24.0

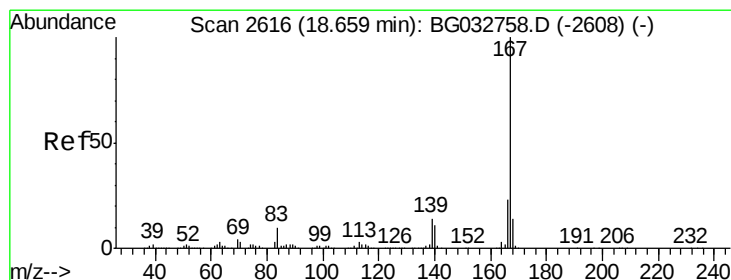
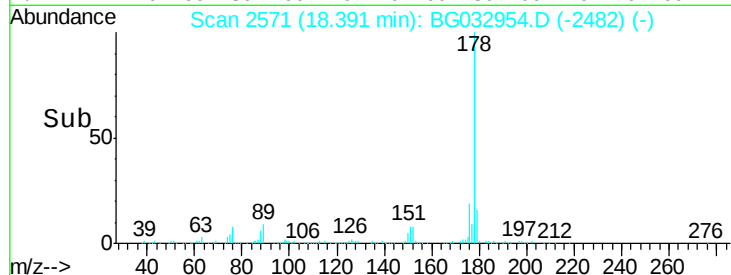
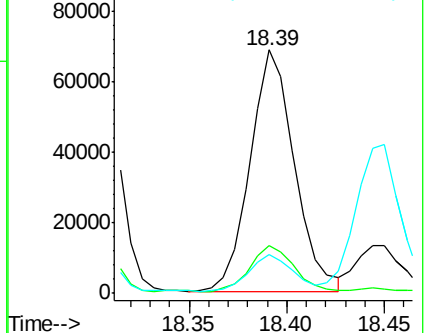
179 16.1 12.5 18.7



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



#72

Carbazole

Concen: 9.191 ng

RT: 18.64 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BG032954.D

Acq: 2 Mar 2018 20:24

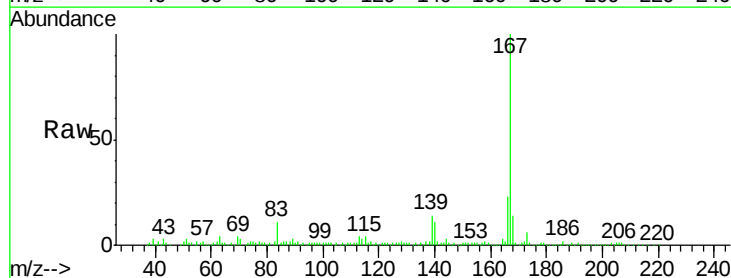
Tgt Ion:167 Resp: 187134

Ion Ratio Lower Upper

167 100

166 22.6 18.2 27.4

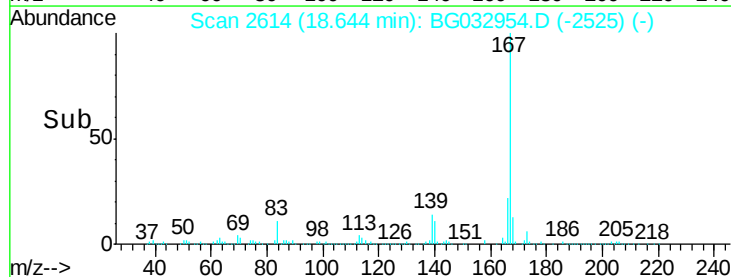
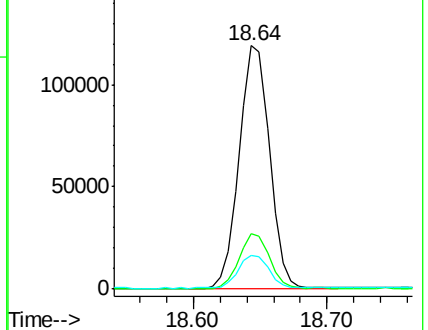
139 14.1 9.4 14.2

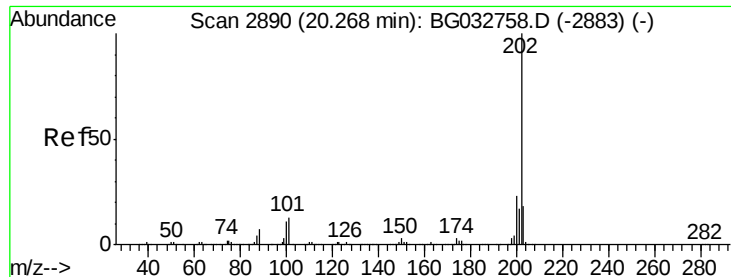


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 6.231 ng

RT: 20.25 min Scan# 2888

Delta R.T. 0.00 min

Lab File: BG032954.D

Acq: 2 Mar 2018 20:24

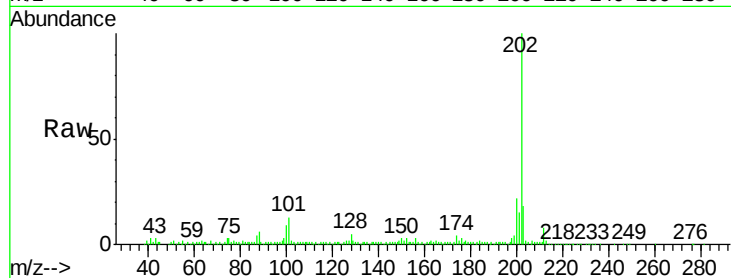
Instrument :

BNA_G

ClientSampled :

MW-9

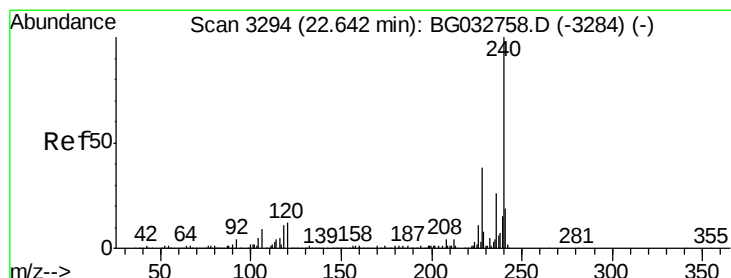
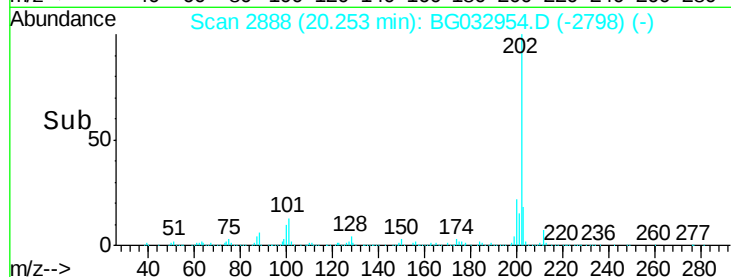
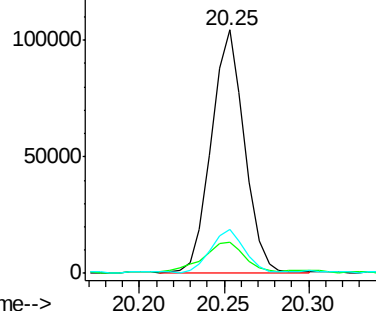
Tot Ion:	202	Resp:	141605
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	28.9
203	17.9	0.0	37.5



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

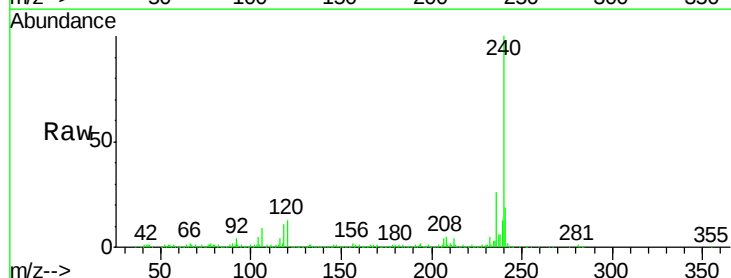
RT: 22.61 min Scan# 3290

Delta R.T. -0.01 min

Lab File: BG032954.D

Acq: 2 Mar 2018 20:24

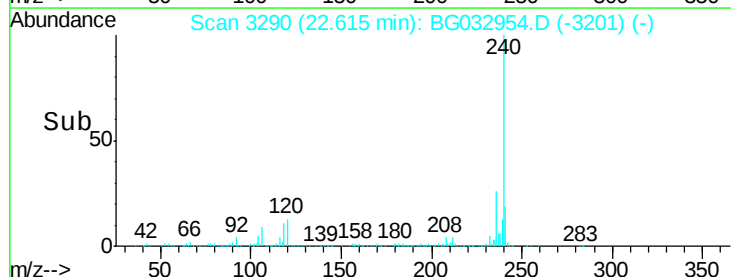
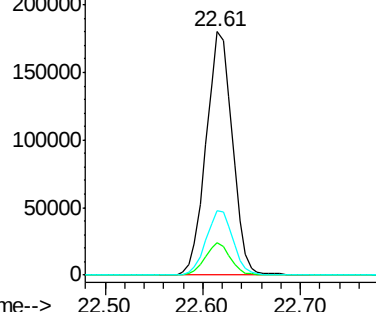
Tgt Ion:	240	Resp:	339400
Ion	Ratio	Lower	Upper
240	100		
120	13.1	6.8	10.2#
236	26.4	20.9	31.3

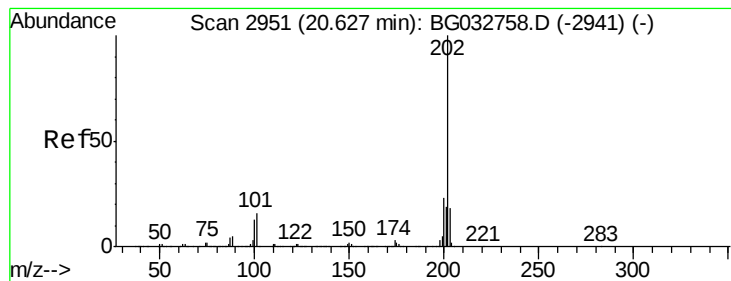


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.491 ng

RT: 20.61 min Scan# 2949

Delta R.T. 0.00 min

Lab File: BG032954.D

Acq: 2 Mar 2018 20:24

Instrument :

BNA_G

ClientSampleId :

MW-9

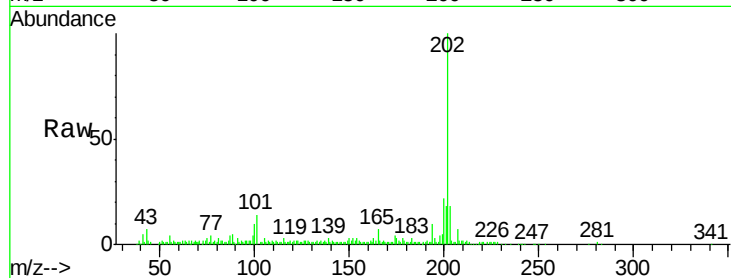
Tot Ion:202 Resp: 83563

Ion Ratio Lower Upper

202 100

200 21.8 16.9 25.3

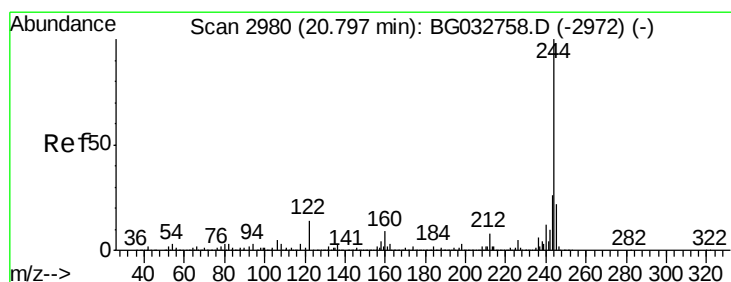
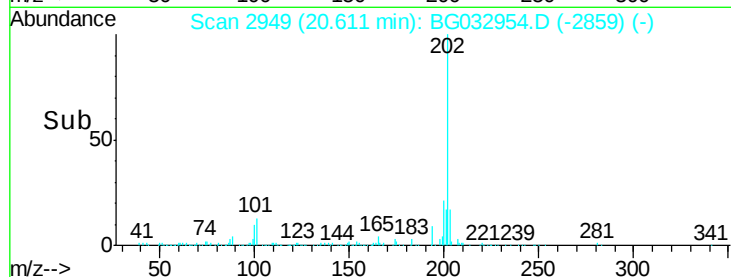
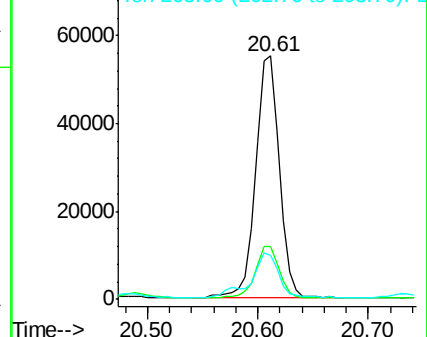
203 17.9 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 73.737 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BG032954.D

Acq: 2 Mar 2018 20:24

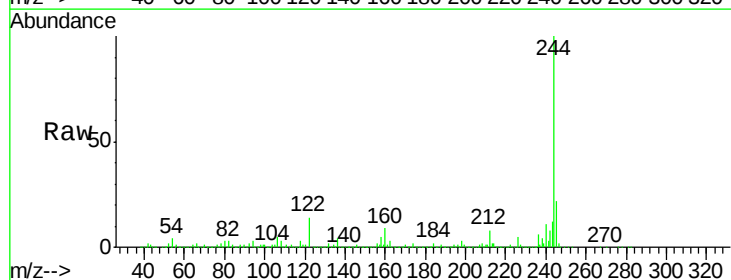
Tgt Ion:244 Resp: 1113907

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

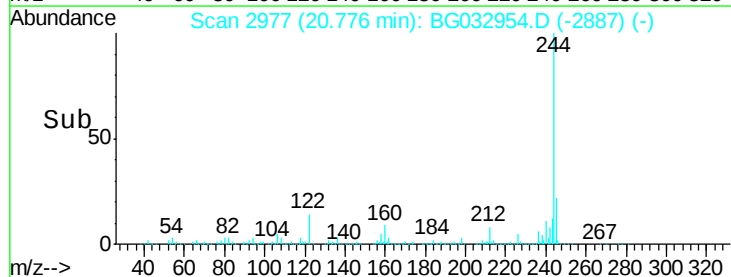
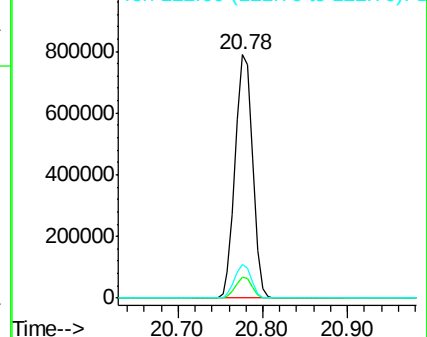
122 14.0 7.0 10.4#

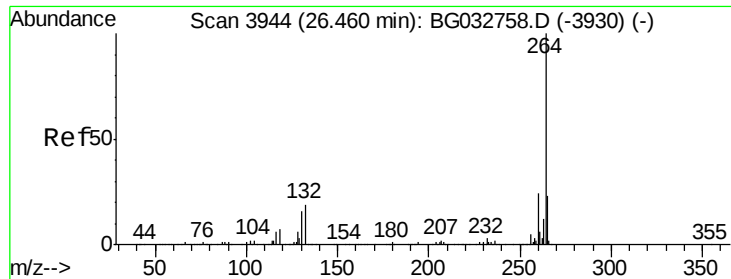


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.42 min Scan# 3938
Delta R.T. -0.01 min
Lab File: BG032954.D
Acq: 2 Mar 2018 20:24

Instrument :
BNA_G
ClientSampleId :
MW-9

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.4	26.0
265	21.5	17.7	26.5

