

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
 Data File : BG032801.D
 Acq On : 23 Feb 2018 22:04
 Operator : SJ/JU
 Sample : J1642-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-9

Quant Time: Feb 26 01:22:19 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 17:04:54 2018
 Response via : Initial Calibration

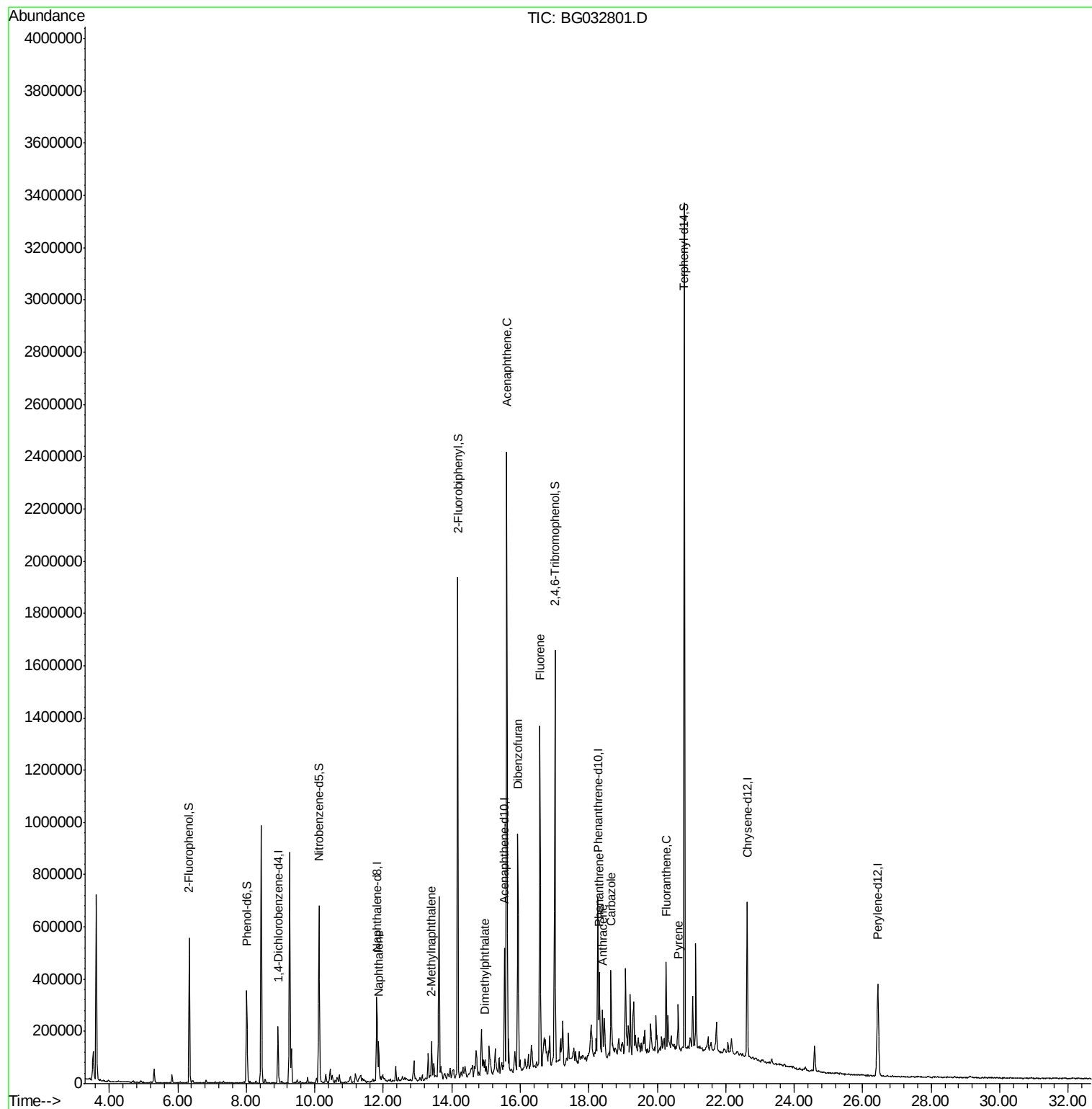
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	65607	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	291165	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	167826	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	389385	20.00	ng	0.00
75) Chrysene-d12	22.63	240	388041	20.00	ng	0.00
86) Perylene-d12	26.44	264	415510	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	272834	66.53	ng	0.00
7) Phenol-d6	8.02	99	233467	40.84	ng	0.00
23) Nitrobenzene-d5	10.12	82	430350	100.52	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	274626	155.63	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	991265	85.19	ng	0.00
78) Terphenyl-d14	20.79	244	1418589	82.14	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.86	128	126647	8.32	ng	98
37) 2-Methylnaphthalene	13.41	142	48282	4.39	ng	97
49) Dimethylphthalate	14.97	163	37584	2.64	ng	97
51) Acenaphthene	15.61	154	882249	78.98	ng	98
54) Dibenzofuran	15.93	168	627892	39.48	ng	95
57) Fluorene	16.58	166	618244	47.10	ng	99
70) Phenanthrene	18.31	178	193444	8.90	ng	98
71) Anthracene	18.40	178	119997	5.50	ng	99
72) Carbazole	18.65	167	210993	9.82	ng	98
74) Fluoranthene	20.26	202	170291	7.10	ng	95
77) Pyrene	20.62	202	100262	3.66	ng	98

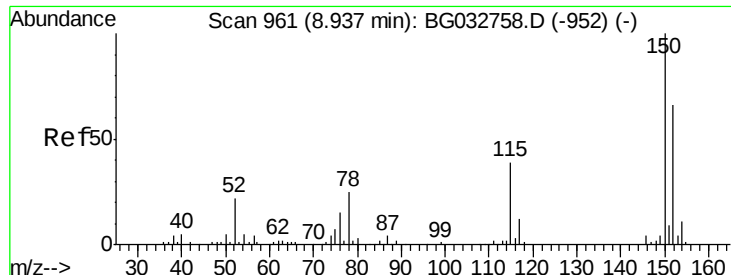
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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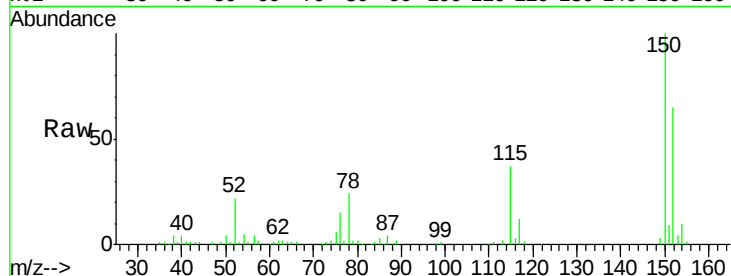


#1

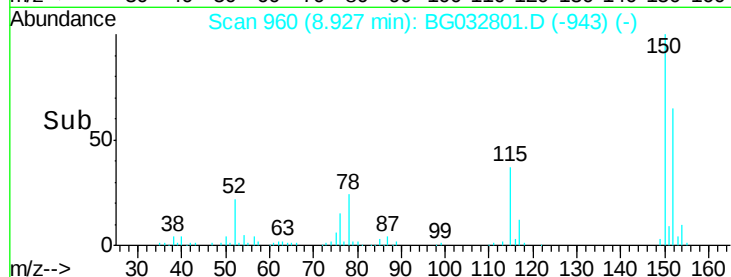
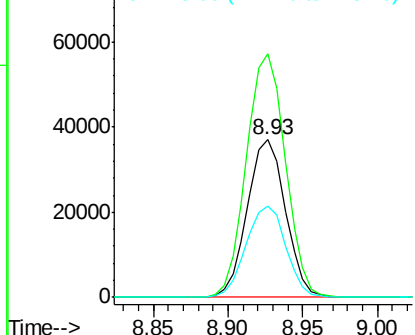
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.93 min Scan# 960
Delta R.T. 0.00 min
Lab File: BG032801.D
Acq: 23 Feb 2018 22:04

Instrument :
BNA_G
ClientSampleId :
MW-9

Tot Ion:152 Resp: 65607
Ion Ratio Lower Upper
152 100
150 154.3 126.6 189.8
115 57.5 53.0 79.4



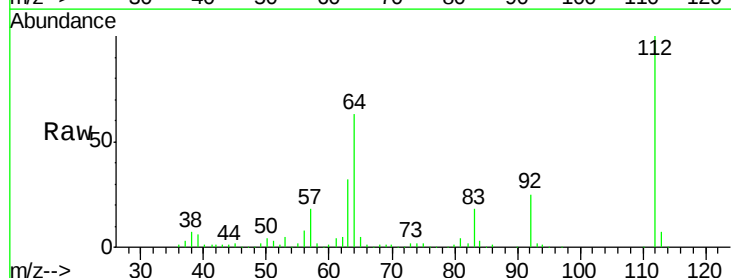
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



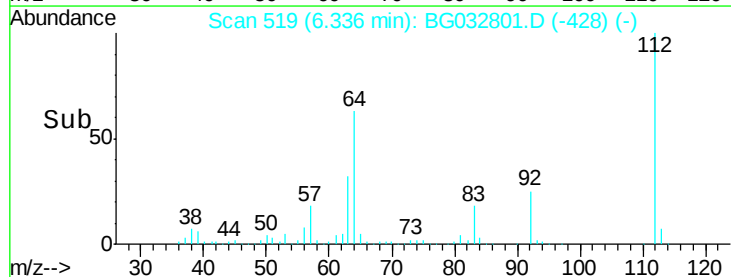
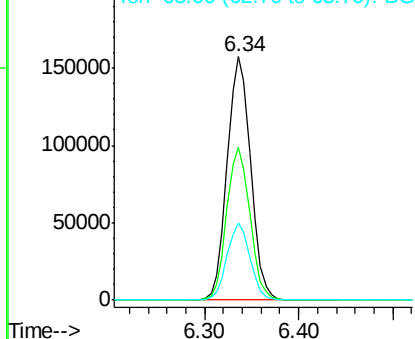
#5

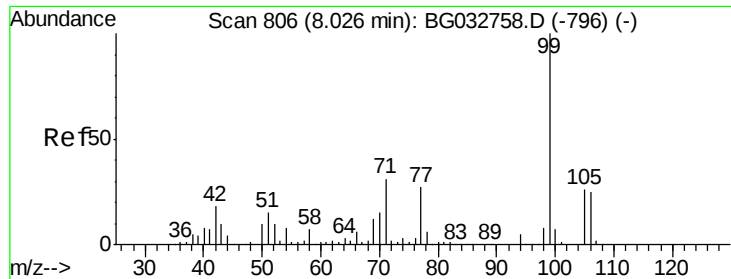
2-Fluorophenol
Concen: 66.53 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032801.D
Acq: 23 Feb 2018 22:04

Tgt Ion:112 Resp: 272834
Ion Ratio Lower Upper
112 100
64 62.5 56.3 84.5
63 31.9 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: 40.84 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BG032801.D

Acq: 23 Feb 2018 22:04

Instrument :

BNA_G

ClientSampleId :

MW-9

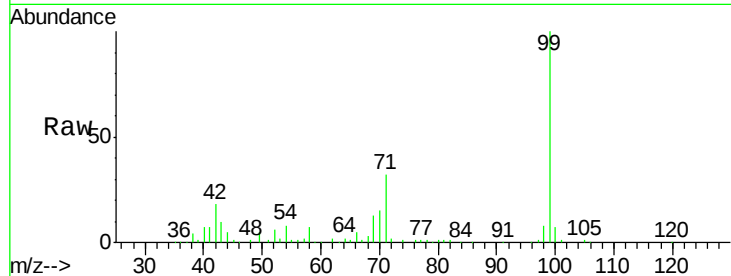
Tot Ion: 99 Resp: 233467

Ion Ratio Lower Upper

99 100

42 17.9 14.1 21.1

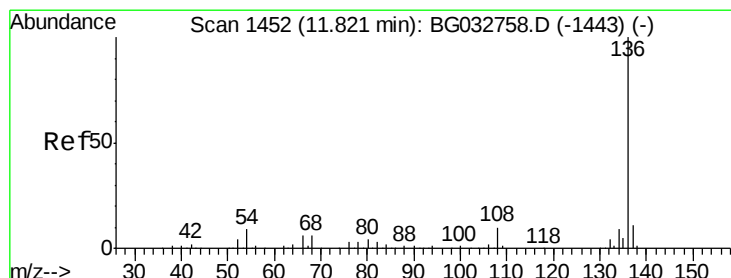
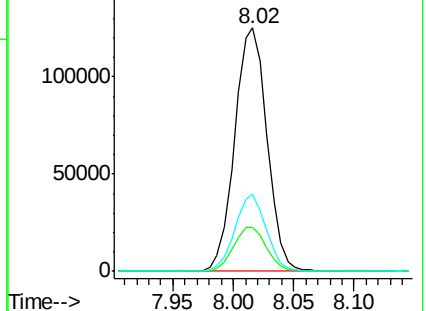
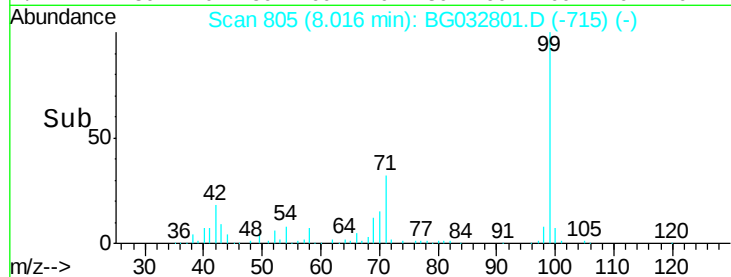
71 32.0 26.1 39.1



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: 20.00 ng

RT: 11.81 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BG032801.D

Acq: 23 Feb 2018 22:04

Tgt Ion: 136 Resp: 291165

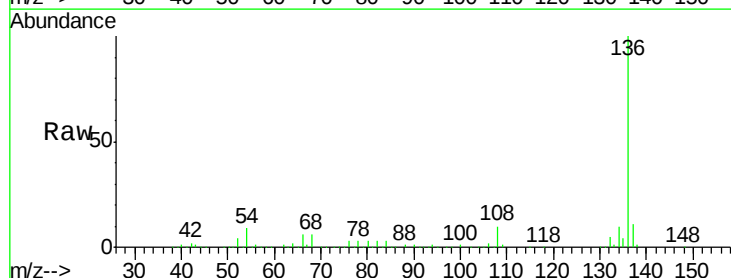
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 9.1 10.3 15.5#

68 5.9 4.5 6.7

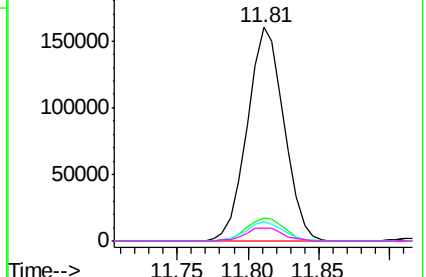
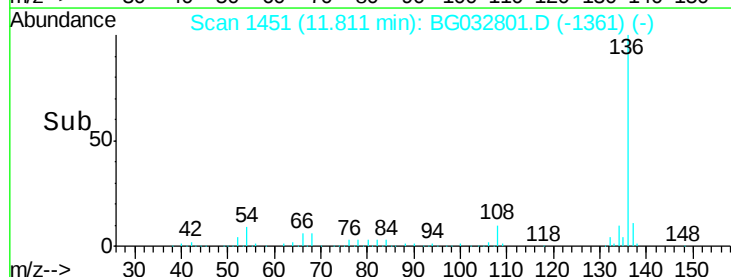


Abundance Ion 136.00 (135.70 to 136.70): BGC

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

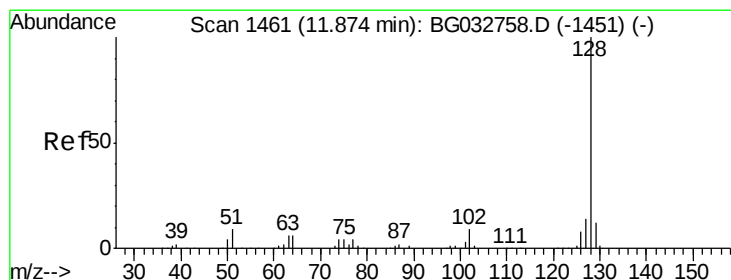
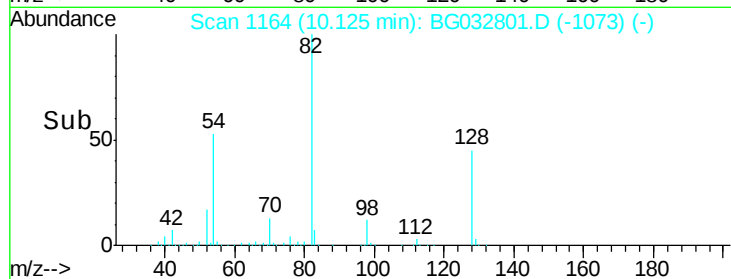
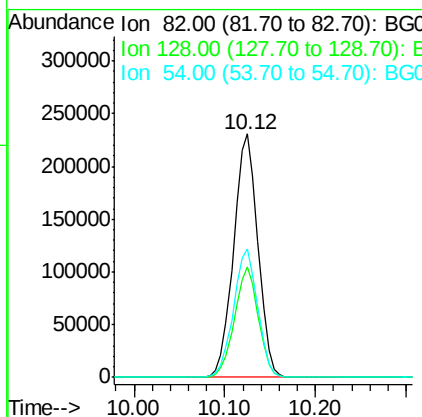
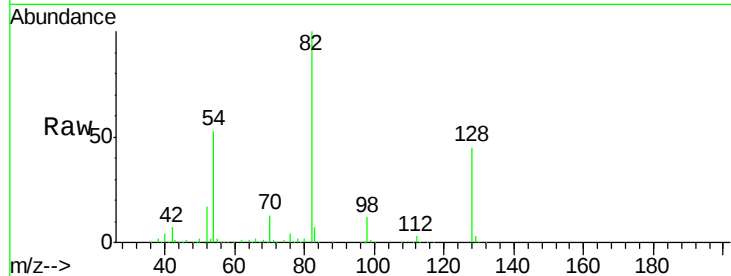




#23
 Nitrobenzene-d5
 Concen: 100.52 ng
 RT: 10.12 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BG032801.D
 Acq: 23 Feb 2018 22:04

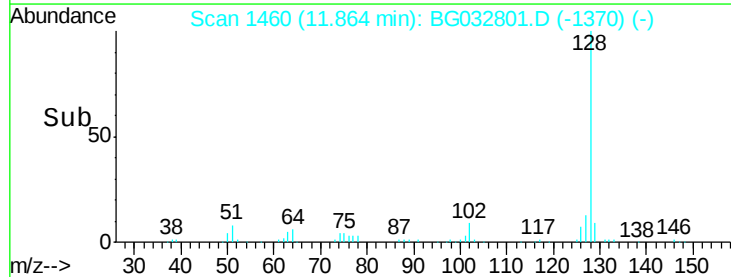
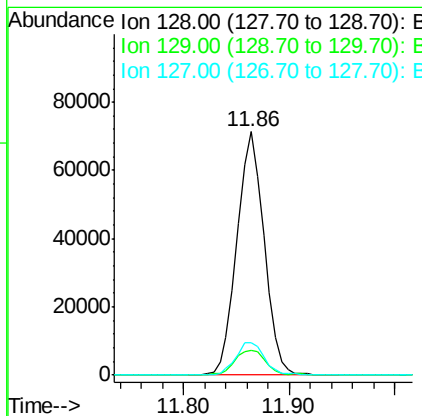
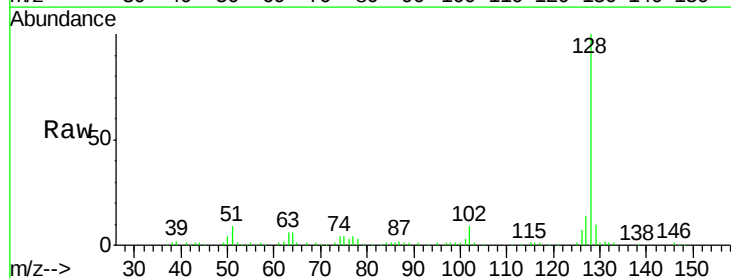
Instrument :
 BNA_G
 ClientSampleId :
 MW-9

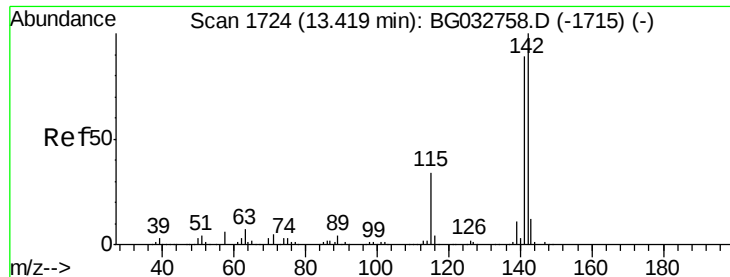
Tot Ion	82	Resp	430350
Ion Ratio	Lower	Upper	
82	100		
128	45.2	29.7	44.5#
54	52.7	43.1	64.7



#31
 Naphthalene
 Concen: 8.32 ng
 RT: 11.86 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BG032801.D
 Acq: 23 Feb 2018 22:04

Tgt Ion	128	Resp	126647
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
128	100		
129	10.4	8.6	12.8
127	13.6	11.6	17.4

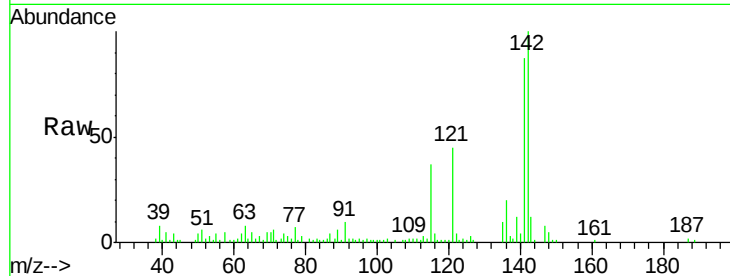




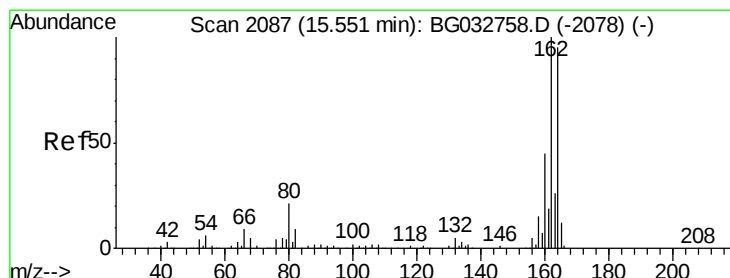
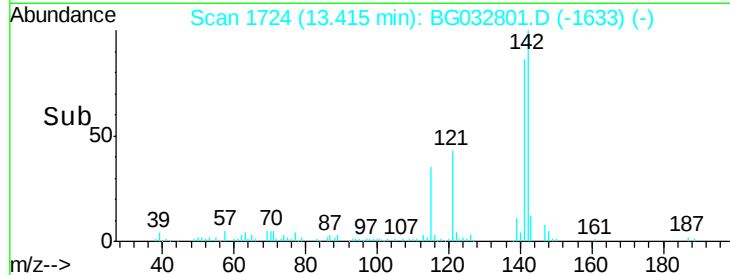
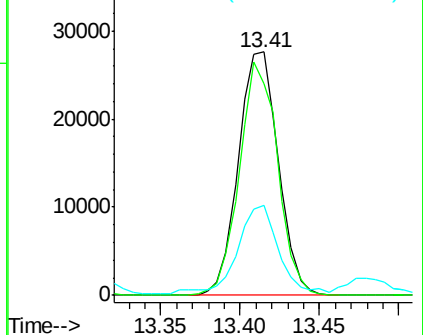
#37
2-Methylnaphthalene
Concen: 4.39 ng
RT: 13.41 min Scan# 1724
Delta R.T. 0.00 min
Lab File: BG032801.D
Acq: 23 Feb 2018 22:04

Instrument :
BNA_G
ClientSampleID :
MW-9

Tot Ion:142 Resp: 48282
Ion Ratio Lower Upper
142 100
141 86.8 67.1 100.7
115 37.1 30.7 46.1

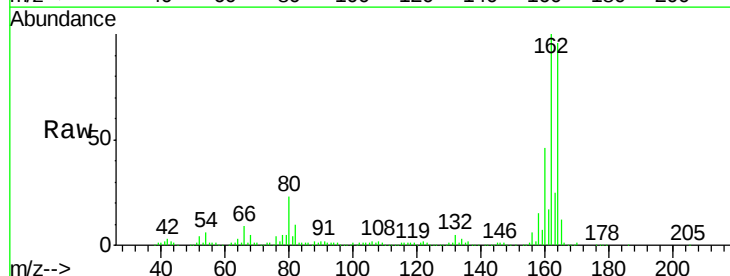


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

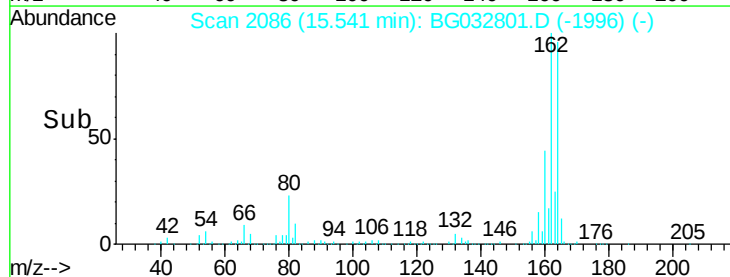
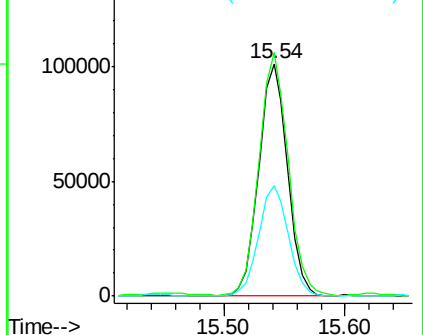


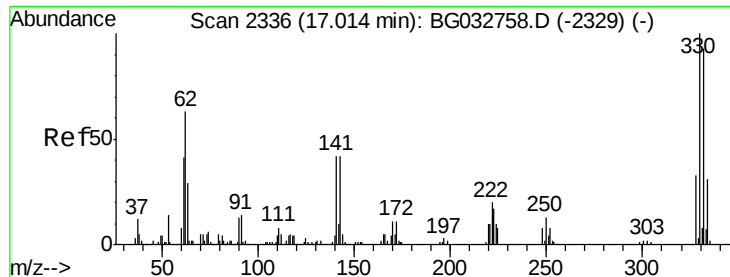
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.54 min Scan# 2086
Delta R.T. -0.00 min
Lab File: BG032801.D
Acq: 23 Feb 2018 22:04

Tgt Ion:164 Resp: 167826
Ion Ratio Lower Upper
164 100
162 104.7 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

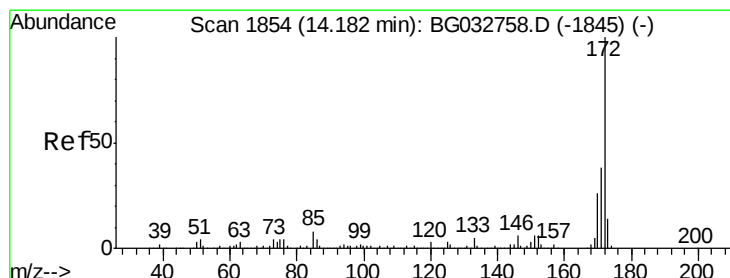
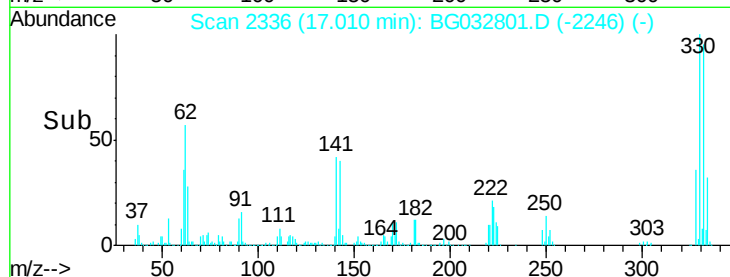
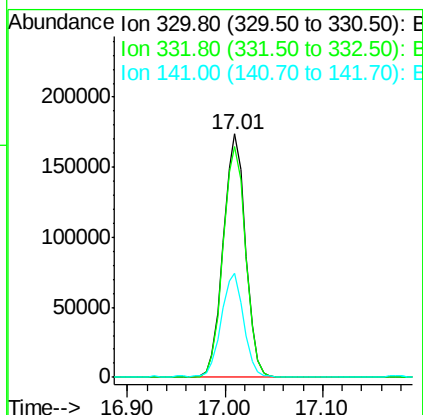
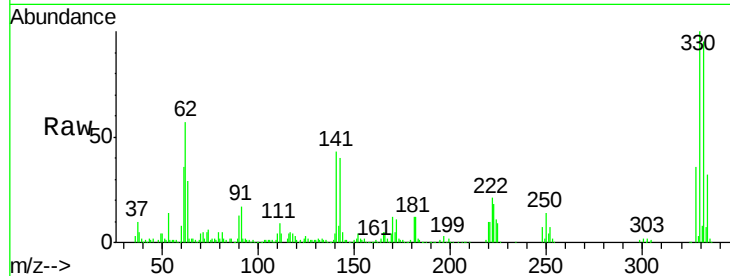




#41
 2,4,6-Tribromophenol
 Concen: 155.63 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: BG032801.D
 Acq: 23 Feb 2018 22:04

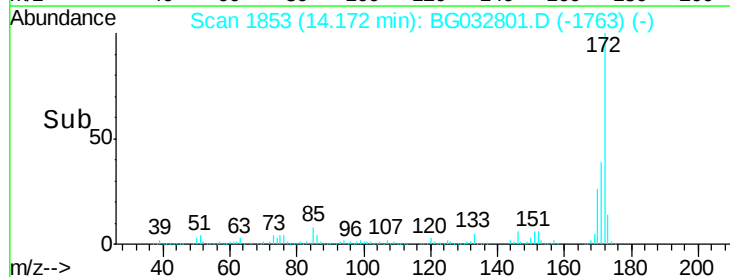
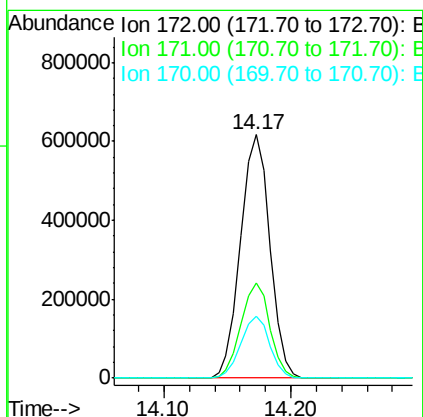
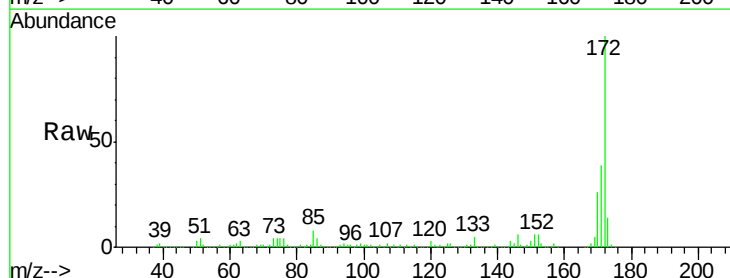
Instrument :
 BNA_G
 ClientSampleId :
 MW-9

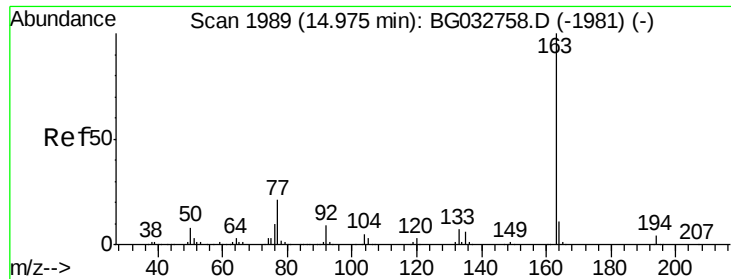
Tot Ion:330 Resp: 274626
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 42.4 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 85.19 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BG032801.D
 Acq: 23 Feb 2018 22:04

Tgt Ion:172 Resp: 991265
 Ion Ratio Lower Upper
 172 100
 171 38.9 30.0 45.0
 170 25.5 19.5 29.3





#49

Dimethylphthalate

Concen: 2.64 ng

RT: 14.97 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BG032801.D

Acq: 23 Feb 2018 22:04

Instrument :

BNA_G

ClientSampleId :

MW-9

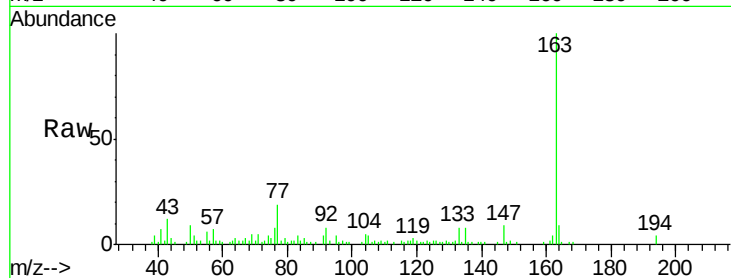
Tot Ion:163 Resp: 37584

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

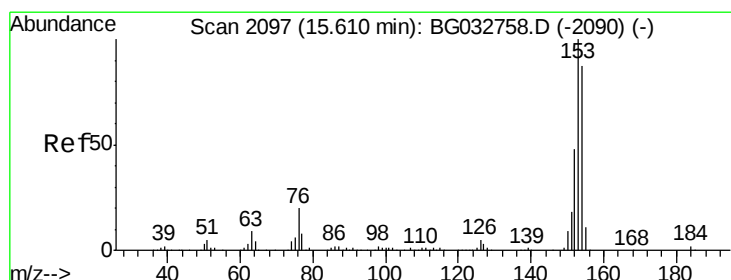
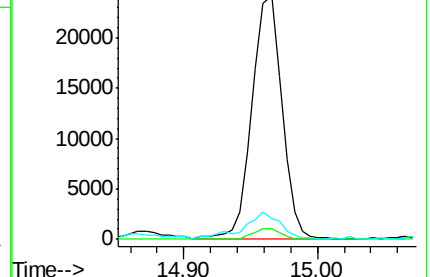
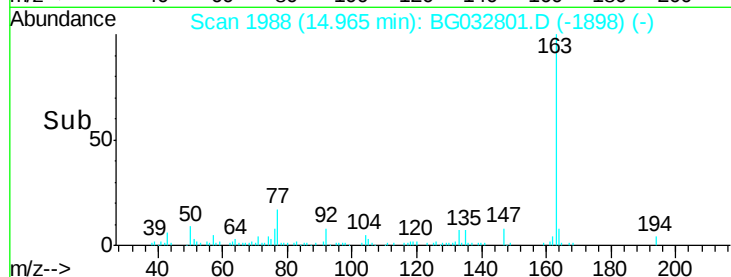
164 8.8 8.2 12.4



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: 78.98 ng

RT: 15.61 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BG032801.D

Acq: 23 Feb 2018 22:04

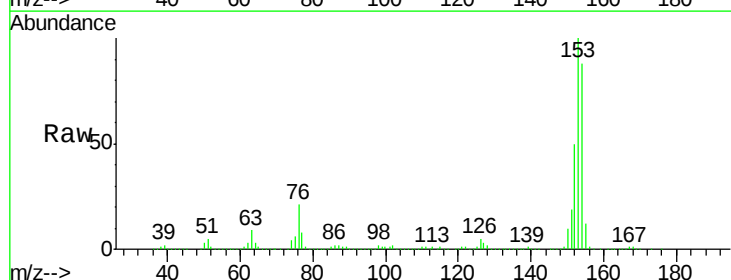
Tgt Ion:154 Resp: 882249

Ion Ratio Lower Upper

154 100

153 113.1 90.4 135.6

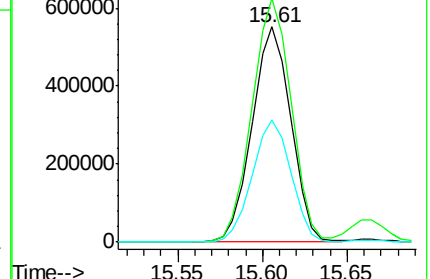
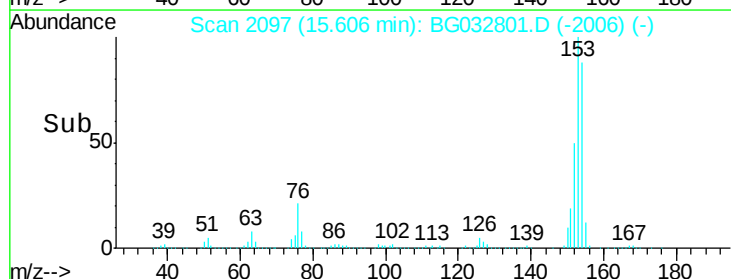
152 56.7 41.6 62.4

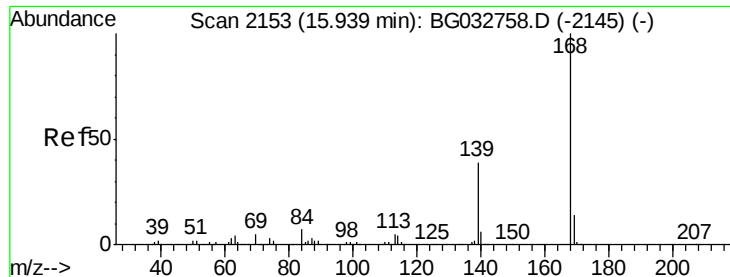


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 39.48 ng

RT: 15.93 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BG032801.D

Acq: 23 Feb 2018 22:04

Instrument :

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MW-9

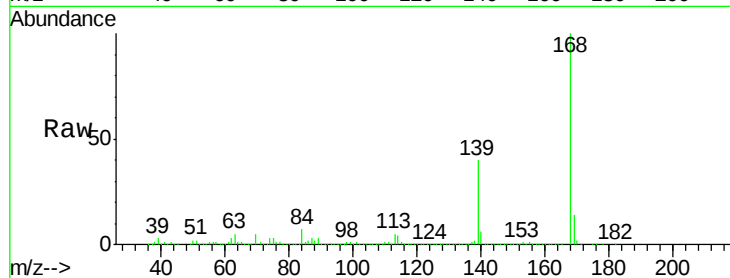
Tot Ion:168 Resp: 627892

Ion Ratio Lower Upper

168 100

139 40.0 28.6 43.0

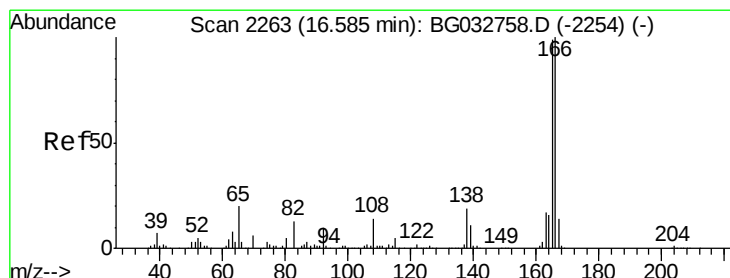
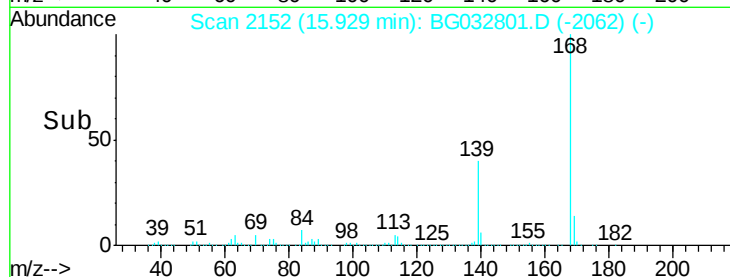
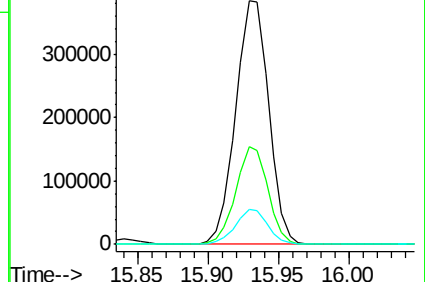
169 14.3 11.2 16.8



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: 47.10 ng

RT: 16.58 min Scan# 2262

Delta R.T. -0.00 min

Lab File: BG032801.D

Acq: 23 Feb 2018 22:04

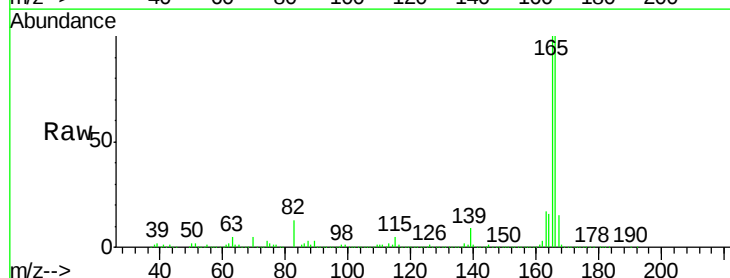
Tgt Ion:166 Resp: 618244

Ion Ratio Lower Upper

166 100

165 100.4 80.6 121.0

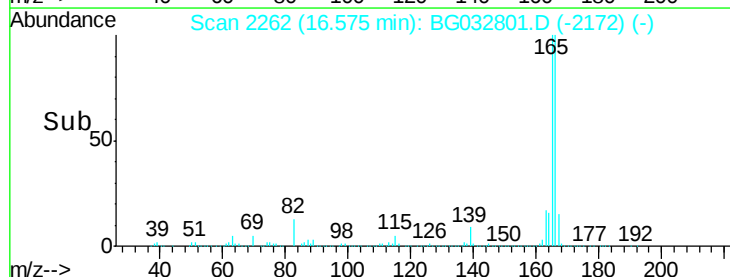
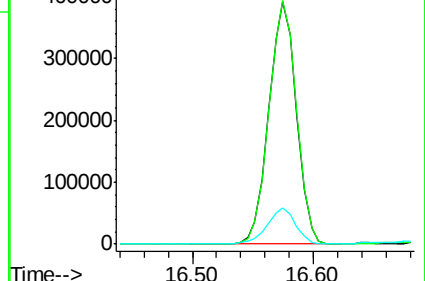
167 14.9 10.4 15.6

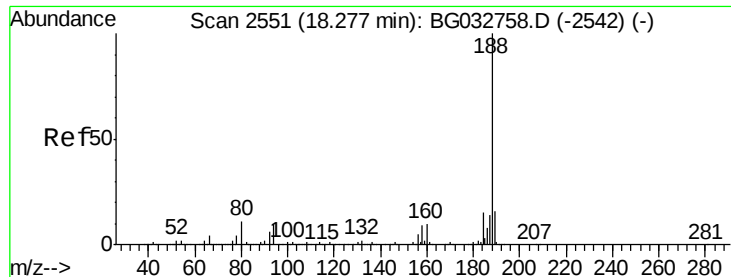


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.27 min Scan# 2550

Delta R.T. -0.00 min

Lab File: BG032801.D

Acq: 23 Feb 2018 22:04

Instrument :

BNA_G

ClientSampleId :

MW-9

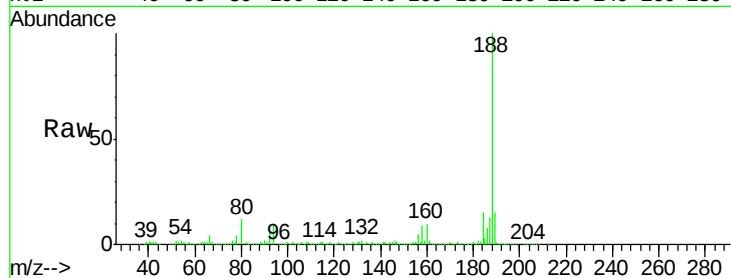
Tot Ion:188 Resp: 389385

Ion Ratio Lower Upper

188 100

94 10.3 6.9 10.3

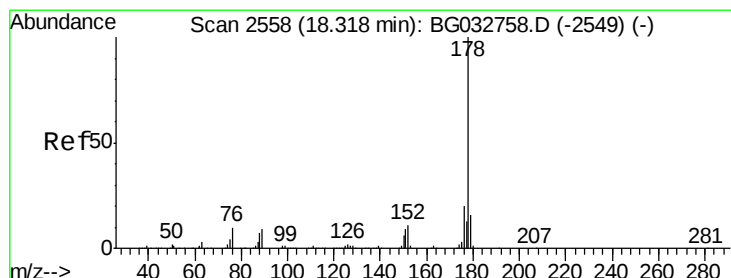
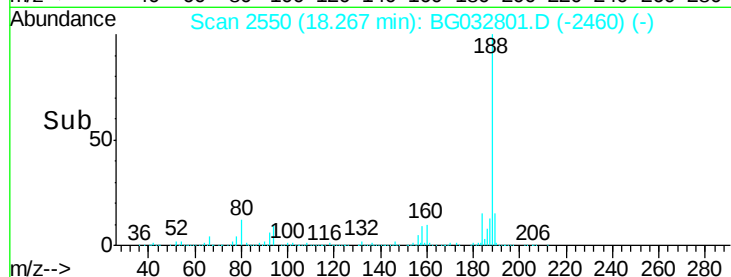
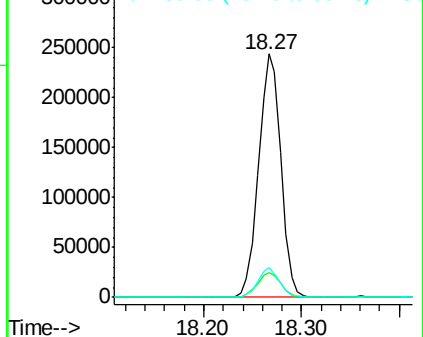
80 12.0 7.7 11.5#



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: 8.90 ng

RT: 18.31 min Scan# 2557

Delta R.T. -0.00 min

Lab File: BG032801.D

Acq: 23 Feb 2018 22:04

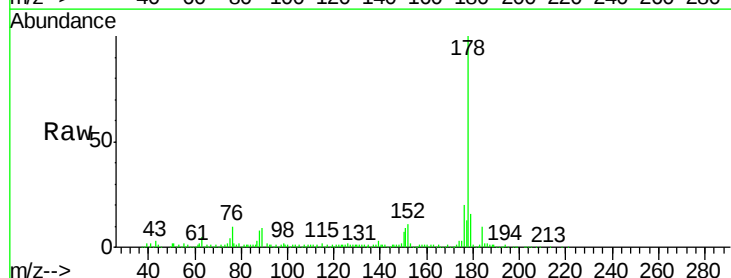
Tgt Ion:178 Resp: 193444

Ion Ratio Lower Upper

178 100

176 20.2 15.7 23.5

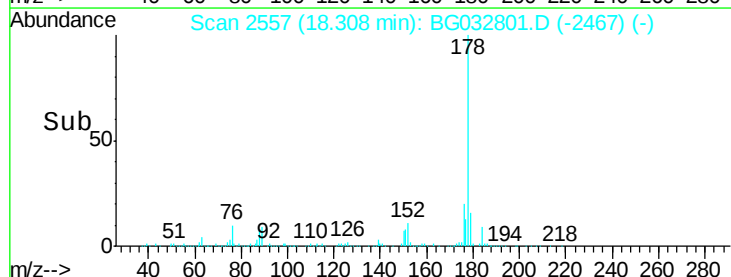
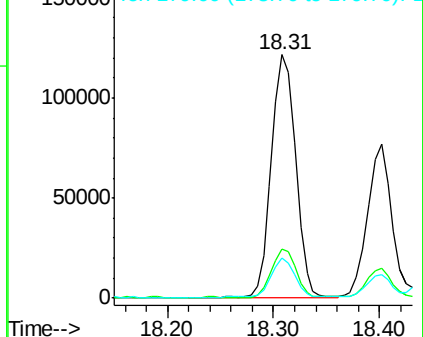
179 16.4 12.5 18.7

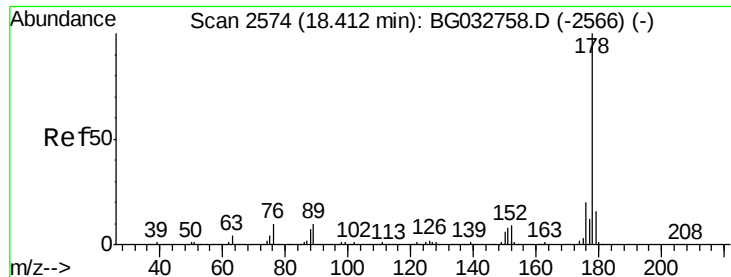


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 5.50 ng

RT: 18.40 min Scan# 2573

Delta R.T. 0.00 min

Lab File: BG032801.D

Acq: 23 Feb 2018 22:04

Instrument :

BNA_G

ClientSampleId :

MW-9

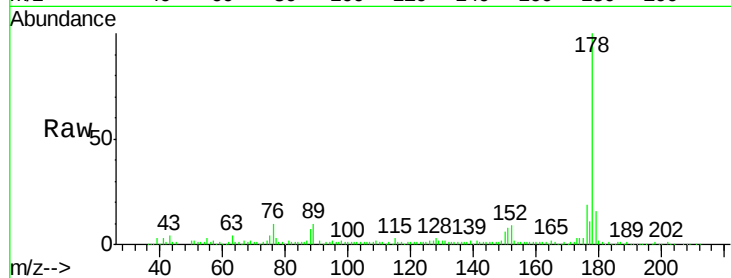
Tot Ion:178 Resp: 119997

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

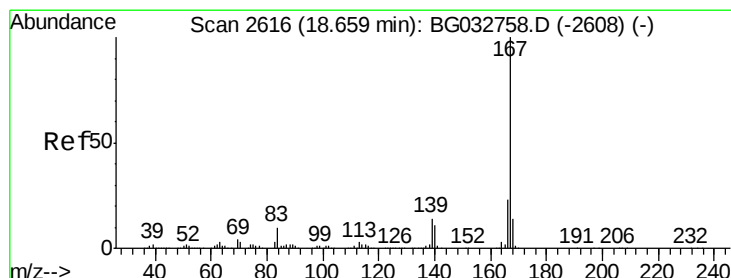
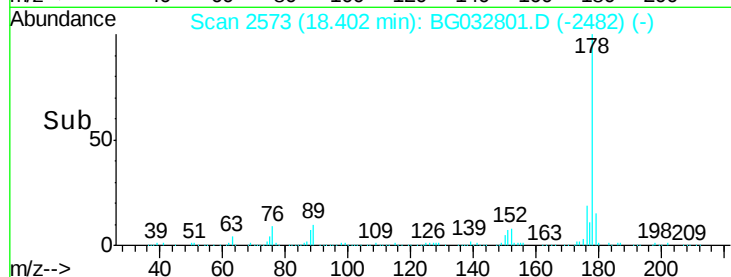
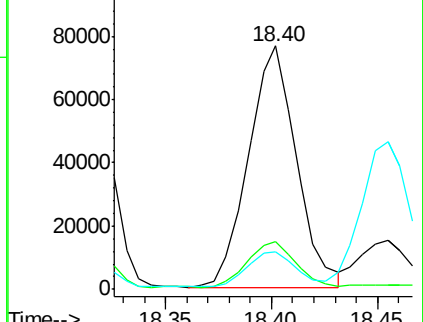
179 15.5 12.5 18.7



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: 9.82 ng

RT: 18.65 min Scan# 2615

Delta R.T. -0.00 min

Lab File: BG032801.D

Acq: 23 Feb 2018 22:04

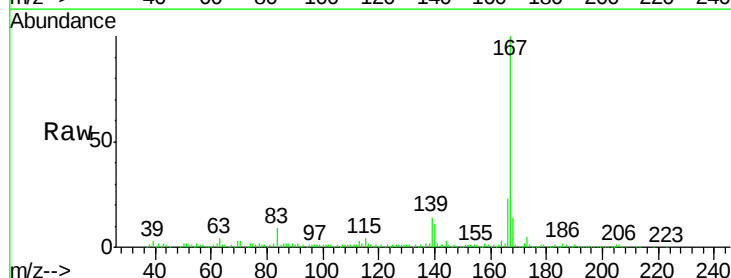
Tgt Ion:167 Resp: 210993

Ion Ratio Lower Upper

167 100

166 22.6 18.2 27.4

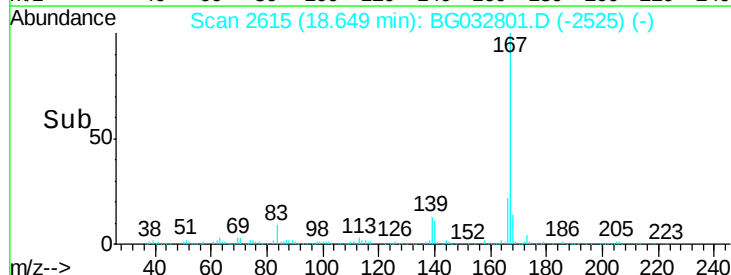
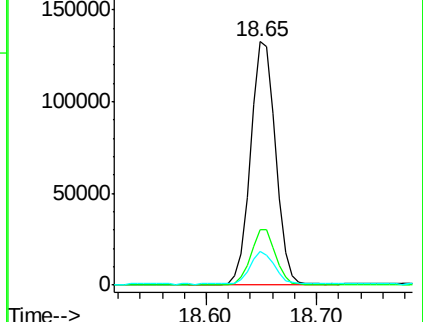
139 14.1 9.4 14.2

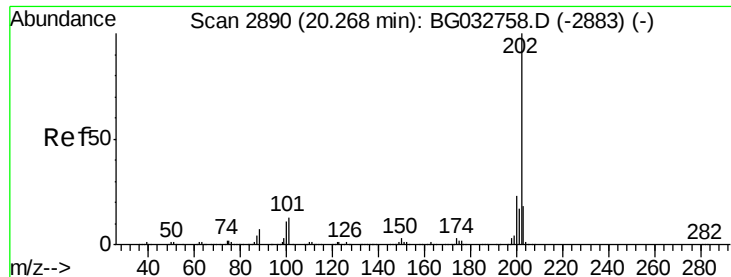


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 7.10 ng

RT: 20.26 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG032801.D

Acq: 23 Feb 2018 22:04

Instrument :

BNA_G

ClientSampleId :

MW-9

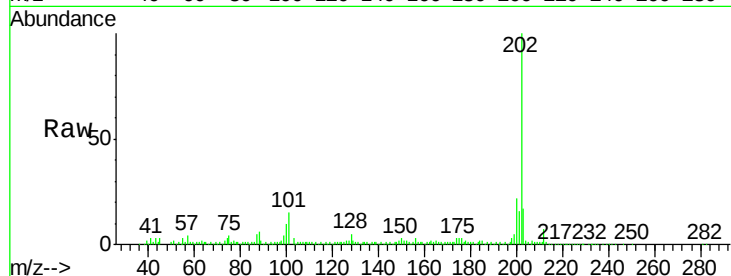
Tot Ion:202 Resp: 170291

Ion Ratio Lower Upper

202 100

101 14.6 0.0 28.9

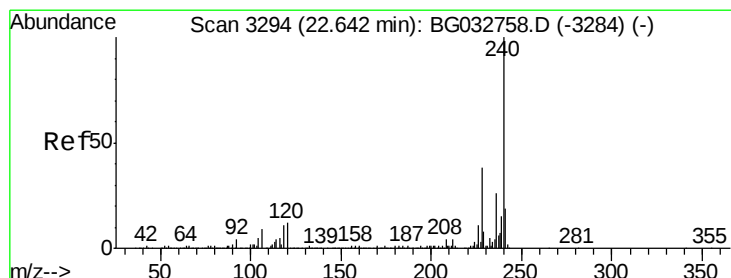
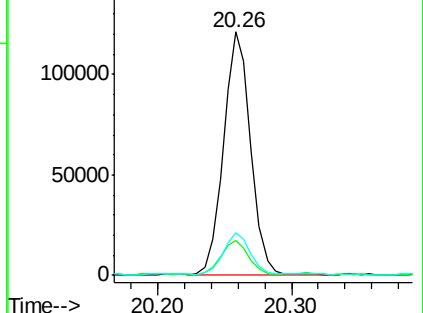
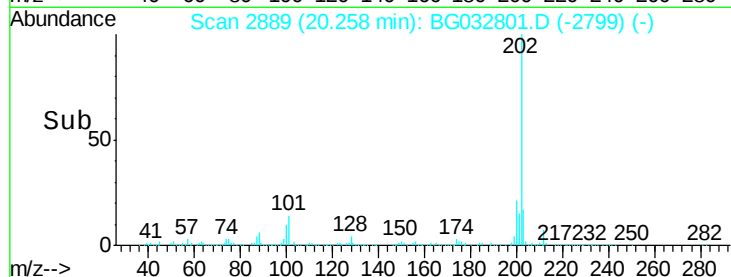
203 17.5 0.0 37.5



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: 20.00 ng

RT: 22.63 min Scan# 3292

Delta R.T. -0.00 min

Lab File: BG032801.D

Acq: 23 Feb 2018 22:04

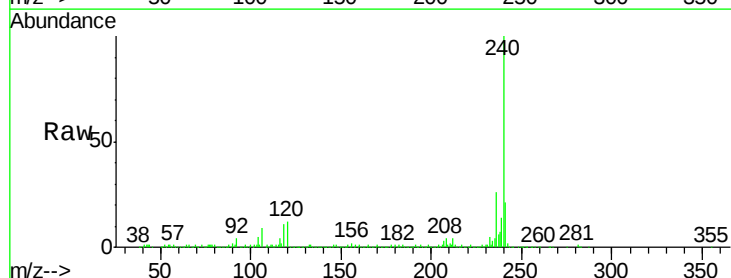
Tgt Ion:240 Resp: 388041

Ion Ratio Lower Upper

240 100

120 12.1 6.8 10.2#

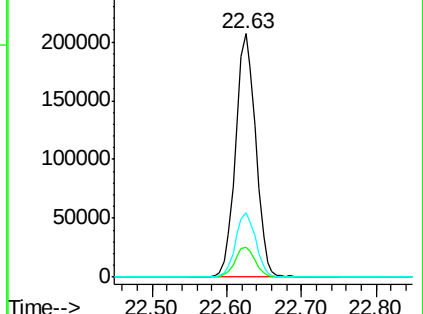
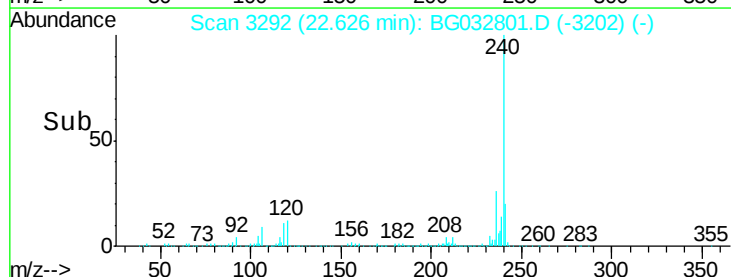
236 26.5 20.9 31.3

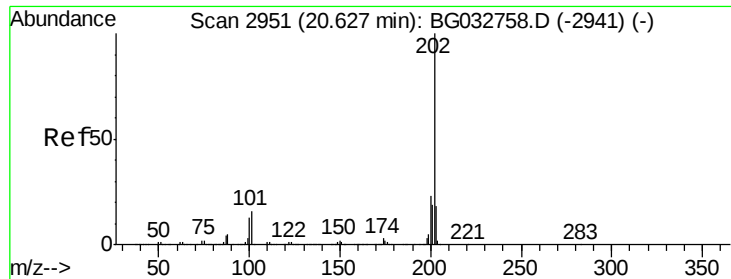


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.66 ng

RT: 20.62 min Scan# 2950

Delta R.T. -0.00 min

Lab File: BG032801.D

Acq: 23 Feb 2018 22:04

Instrument :

BNA_G

ClientSampleId :

MW-9

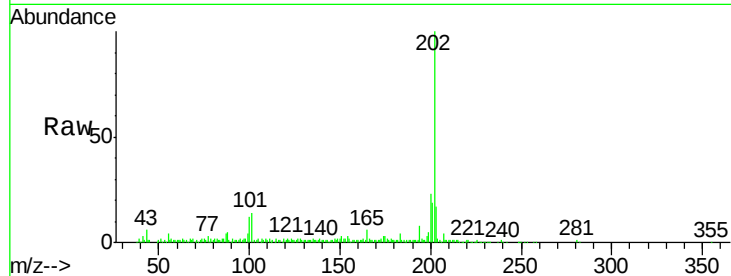
Tot Ion:202 Resp: 100262

Ion Ratio Lower Upper

202 100

200 22.7 16.9 25.3

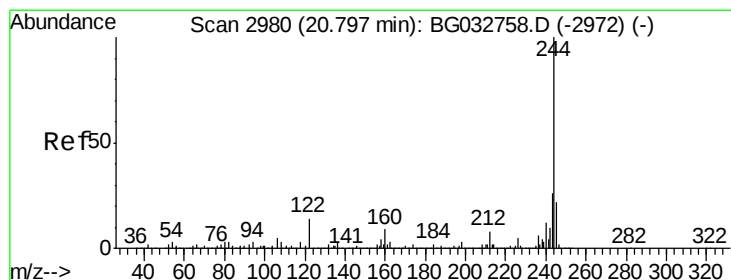
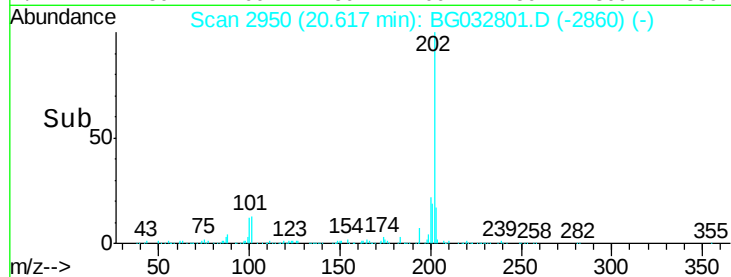
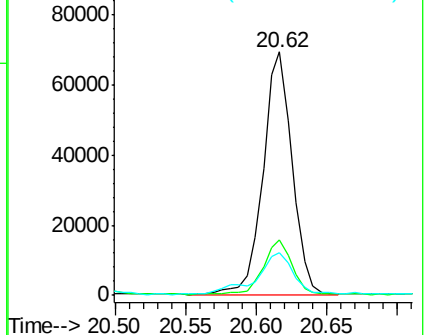
203 17.3 13.9 20.9



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: 82.14 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG032801.D

Acq: 23 Feb 2018 22:04

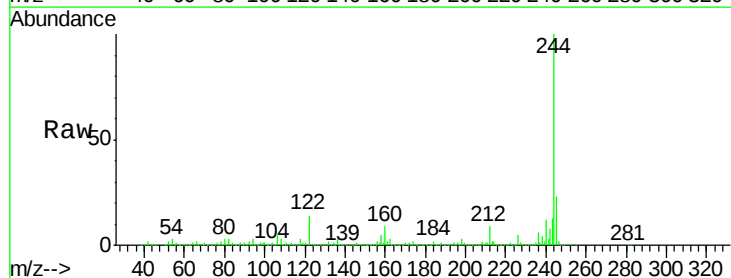
Tgt Ion:244 Resp: 1418589

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

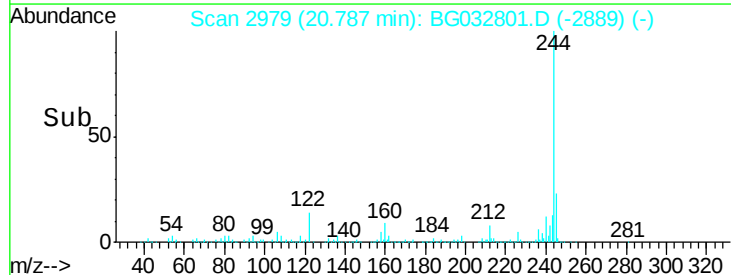
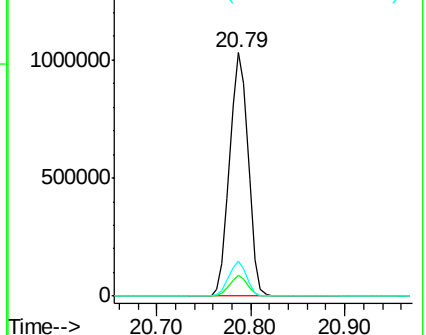
122 14.2 7.0 10.4#

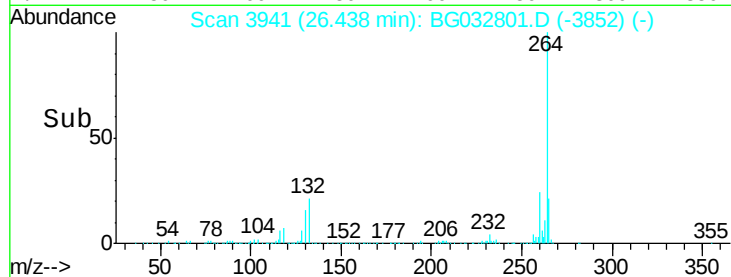
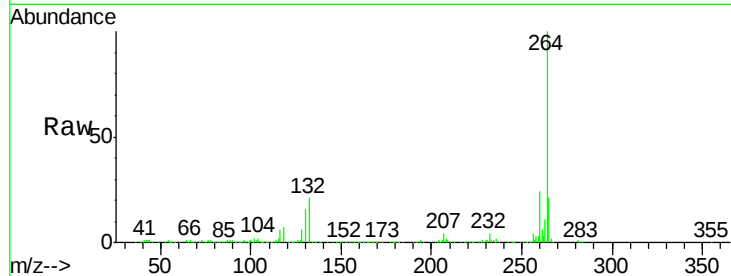
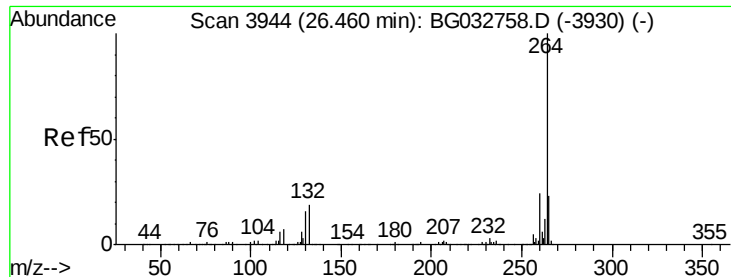


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 26.44 min Scan# 3941
Delta R.T. -0.01 min
Lab File: BG032801.D
Acq: 23 Feb 2018 22:04

Instrument :
BNA_G
ClientSampleId :
MW-9

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	21.2	17.7	26.5

