

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011718\
 Data File : BG032123.D
 Acq On : 18 Jan 2018 5:13
 Operator : SJ/JU
 Sample : J1144-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 18 06:31:52 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	63067	20.00	ng	-0.03
21) Naphthalene-d8	11.63	136	235695	20.00	ng	-0.03
38) Acenaphthene-d10	15.38	164	157651	20.00	ng	-0.02
63) Phenanthrene-d10	18.12	188	350850	20.00	ng	-0.02
75) Chrysene-d12	22.45	240	458252	20.00	ng	-0.03
86) Perylene-d12	26.15	264	502824	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.18	112	376190	109.09	ng	-0.02
7) Phenol-d6	7.85	99	455485	104.88	ng	-0.02
23) Nitrobenzene-d5	9.94	82	283692	81.43	ng	-0.03
41) 2,4,6-Tribromophenol	16.87	330	274928	105.39	ng	-0.01
44) 2-Fluorobiphenyl	14.01	172	828782	65.19	ng	-0.02
78) Terphenyl-d14	20.66	244	1355420	65.31	ng	-0.02

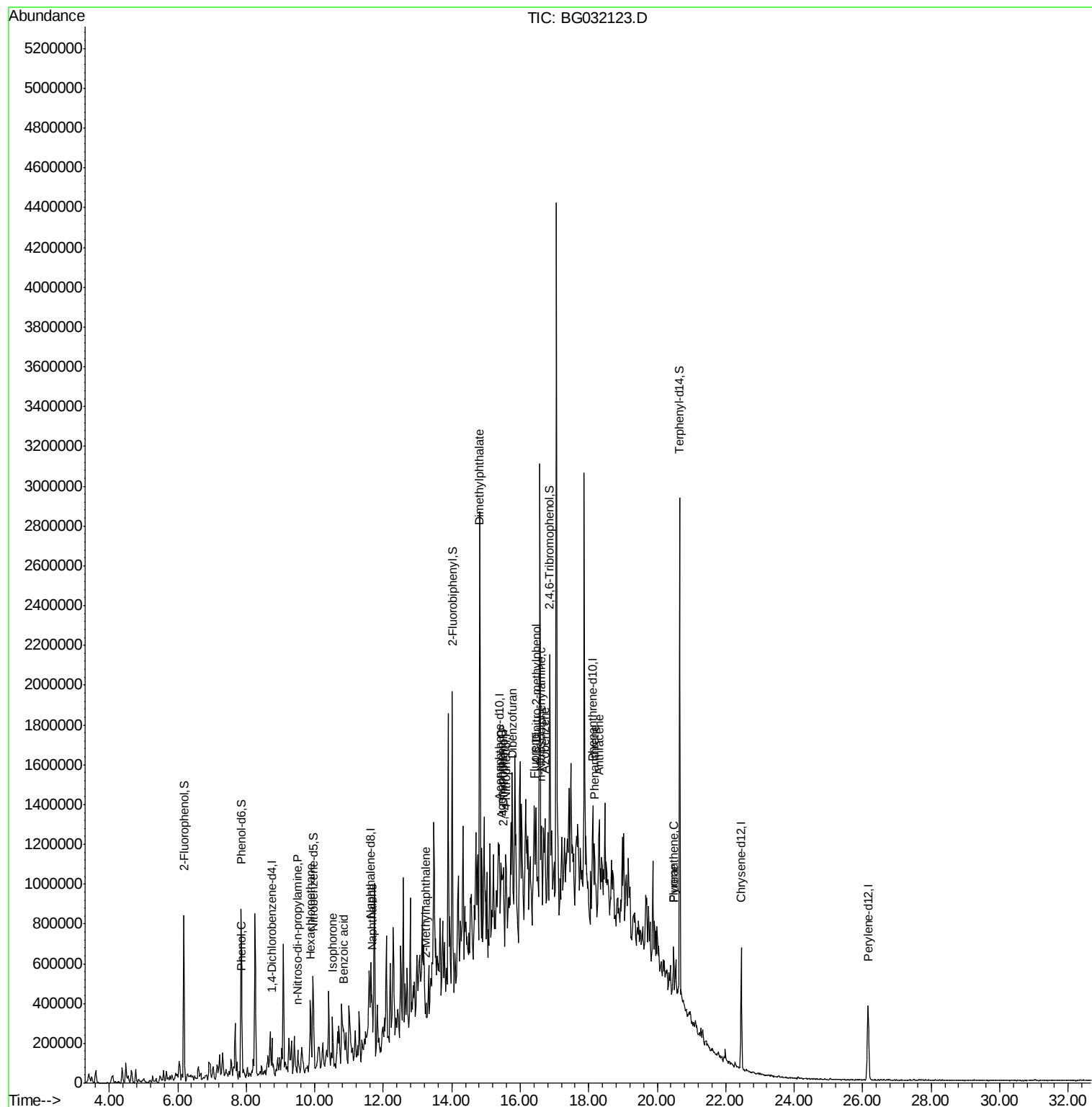
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.88	94	17816	4.164	ng	# 70
18) Hexachloroethane	9.89	117	38474	24.620	ng	# 1
19) n-Nitroso-di-n-propylamine	9.50	70	6770	2.512	ng	# 61
25) Isophorone	10.52	82	20723	3.195	ng	# 1
31) Naphthalene	11.68	128	24677	2.114	ng	# 41
32) Benzoic acid	10.84	122	2539	6.119	ng	# 31
37) 2-Methylnaphthalene	13.25	142	29860	3.221	ng	# 81
49) Dimethylphthalate	14.81	163	114622	8.308	ng	# 77
51) Acenaphthene	15.45	154	33990	3.211	ng	# 76
53) 2,4-Dinitrophenol	15.49	184	834	7.494	ng	# 1
54) Dibenzofuran	15.78	168	50223	3.180	ng	# 43
55) 4-Nitrophenol	15.58	139	21697	11.512	ng	# 55
57) Fluorene	16.42	166	108637	8.387	ng	# 86
62) Azobenzene	16.71	77	82097	9.807	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.47	198	1556	5.507	ng	# 1
65) n-Nitrosodiphenylamine	16.61	169	104312	9.798	ng	# 39
70) Phenanthrene	18.16	178	200892	10.284	ng	# 92
71) Anthracene	18.31	178	77044	3.954	ng	# 1
74) Fluoranthene	20.48	202	77321	3.161	ng	# 70
77) Pvrene	20.48	202	77321	2.684	ng	# 78

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

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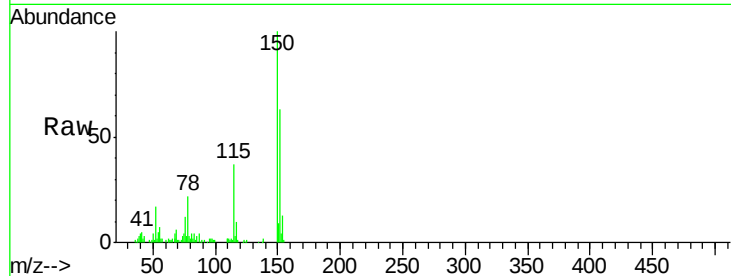


#1

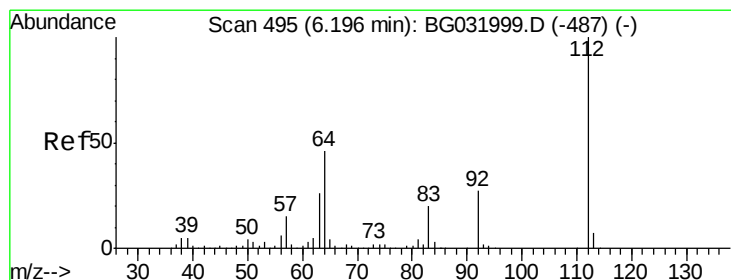
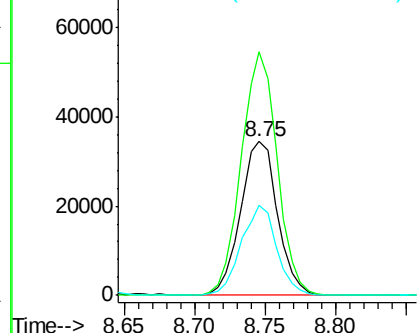
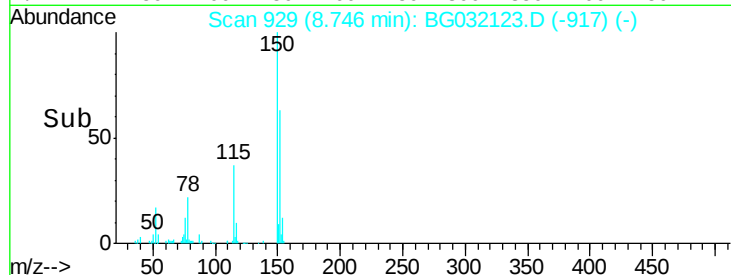
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.75 min Scan# 929
Delta R.T. -0.03 min
Lab File: BG032123.D
Acq: 18 Jan 2018 5:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.6	189.8
115	58.3	53.0	79.4



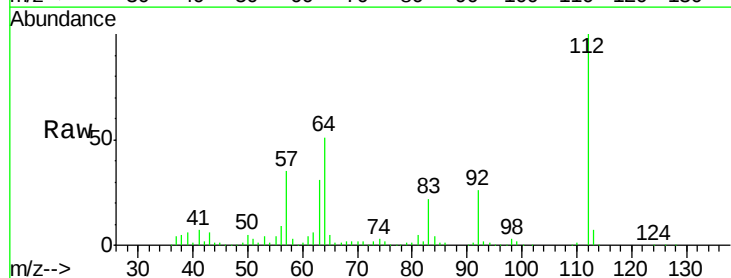
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



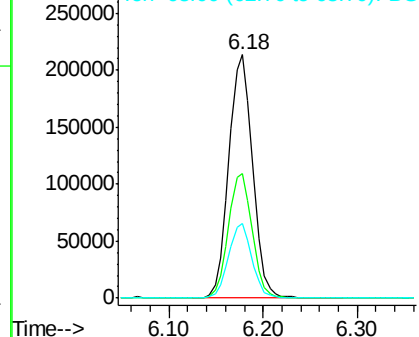
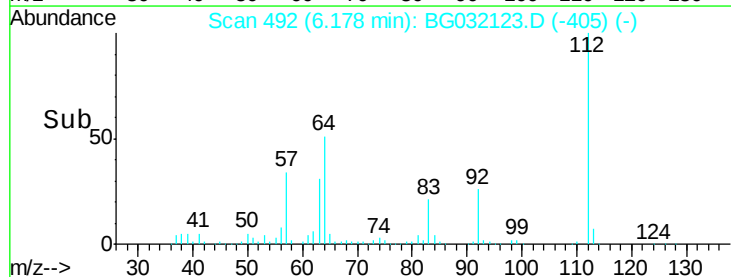
#5

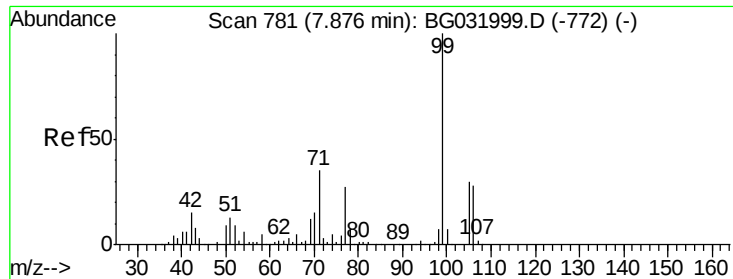
2-Fluorophenol
Concen: 109.095 ng
RT: 6.18 min Scan# 492
Delta R.T. -0.02 min
Lab File: BG032123.D
Acq: 18 Jan 2018 5:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	56.3	84.5#
63	30.9	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: 104.880 ng

RT: 7.85 min Scan# 777

Delta R.T. -0.02 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

Instrument :

BNA_G

ClientSampled :

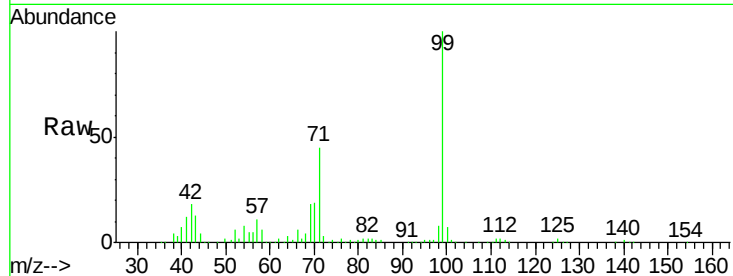
Tot Ion: 99 Resp: 455485

Ion Ratio Lower Upper

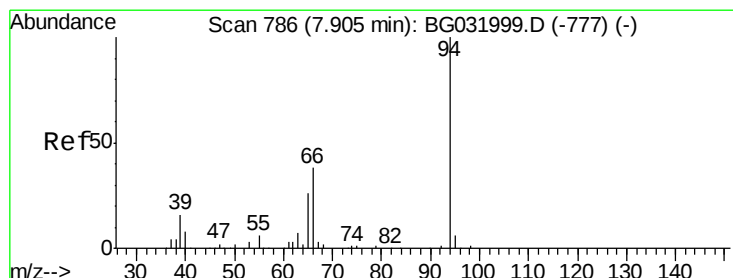
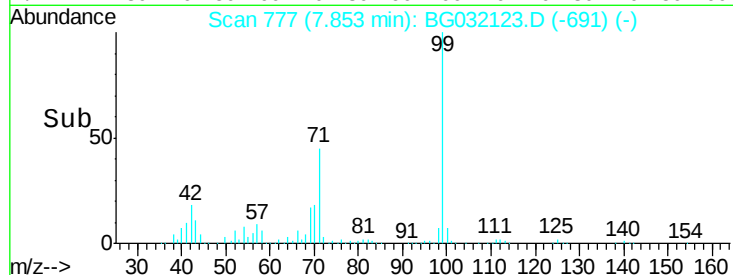
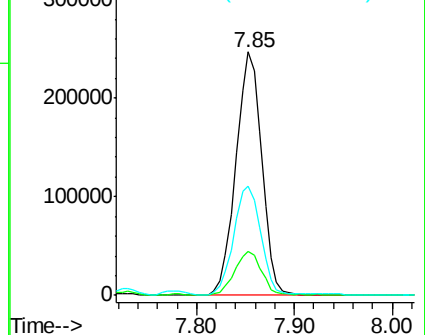
99 100

42 18.3 14.1 21.1

71 45.0 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



#10

Phenol

Concen: 4.164 ng

RT: 7.88 min Scan# 781

Delta R.T. -0.03 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

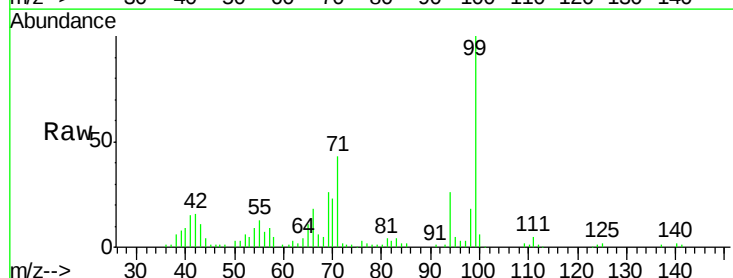
Tgt Ion: 94 Resp: 17816

Ion Ratio Lower Upper

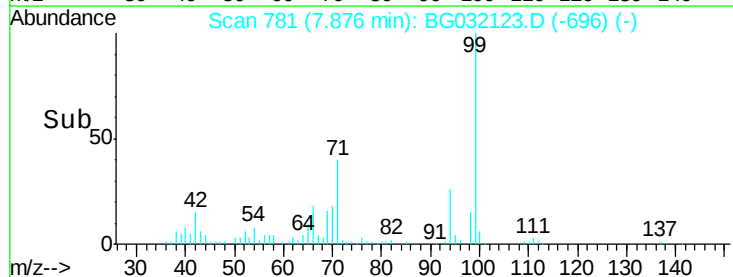
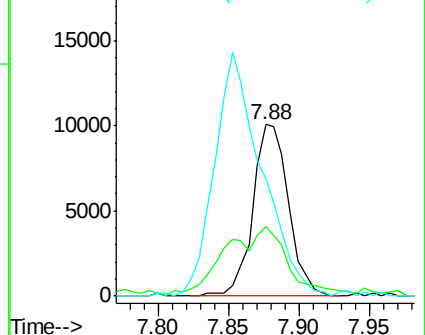
94 100

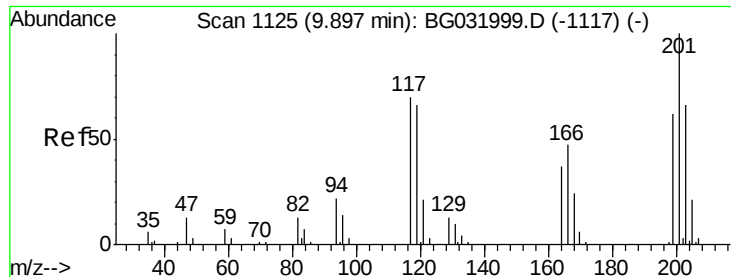
65 40.8 11.9 51.9

66 68.1 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

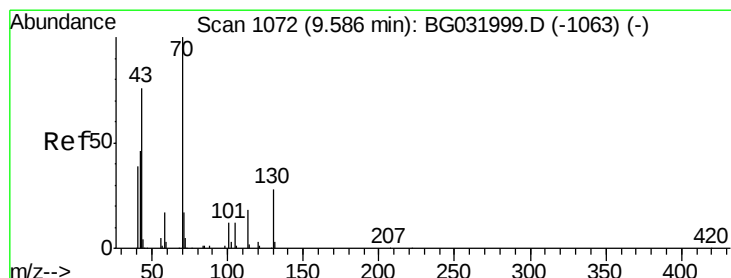
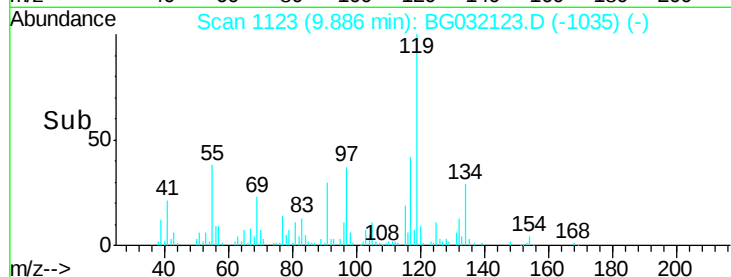
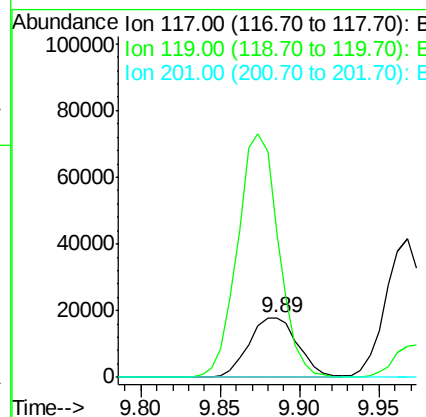
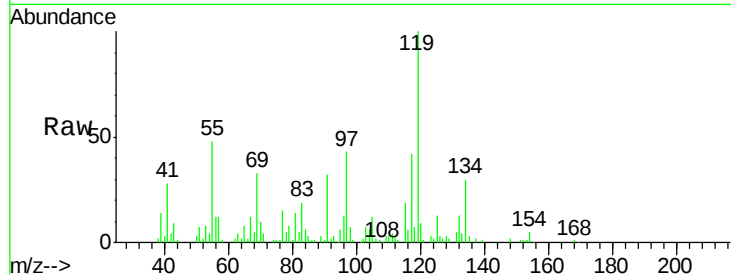




#18
Hexachloroethane
Concen: 24.620 ng
RT: 9.89 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BG032123.D
Acq: 18 Jan 2018 5:13

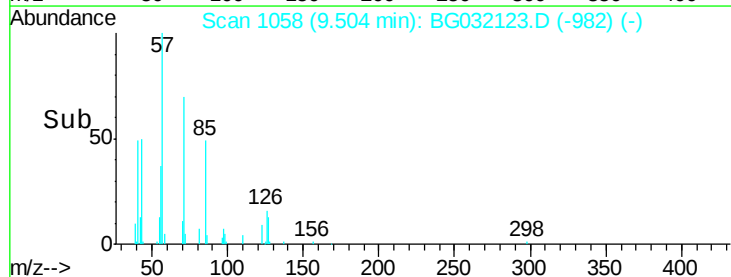
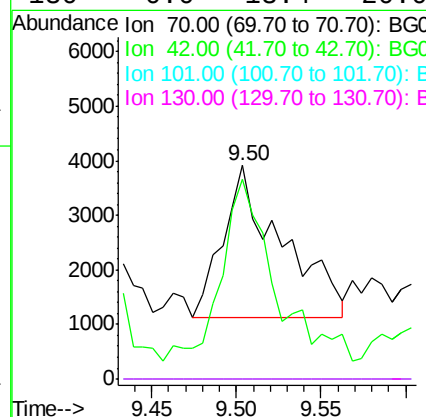
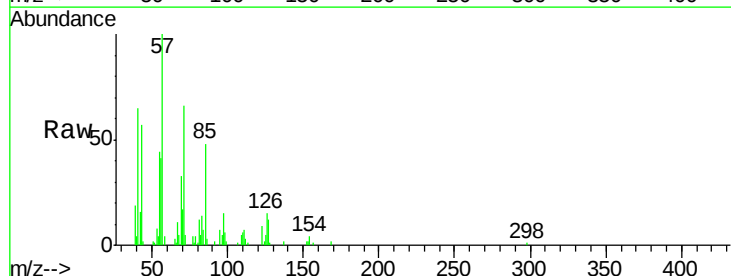
Instrument :
BNA_G
ClientSampled :

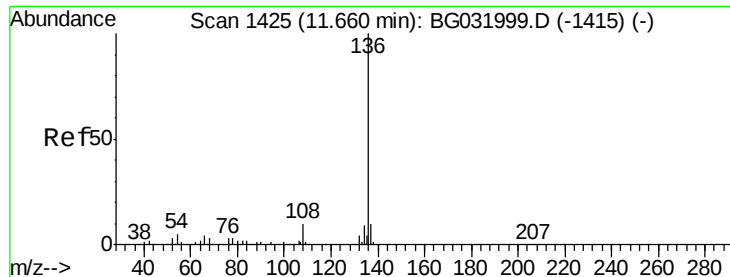
Tot Ion:117 Resp: 38474
Ion Ratio Lower Upper
117 100
119 239.2 76.7 115.1#
201 0.0 95.7 143.5#



#19
n-Nitroso-di-n-propylamine
Concen: 2.512 ng
RT: 9.50 min Scan# 1058
Delta R.T. -0.08 min
Lab File: BG032123.D
Acq: 18 Jan 2018 5:13

Tgt Ion: 70 Resp: 6770
Ion Ratio Lower Upper
70 100
42 93.2 49.1 73.7#
101 0.0 8.5 12.7#
130 0.0 13.4 20.0#

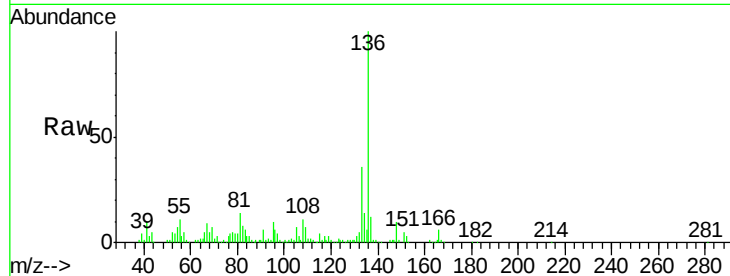




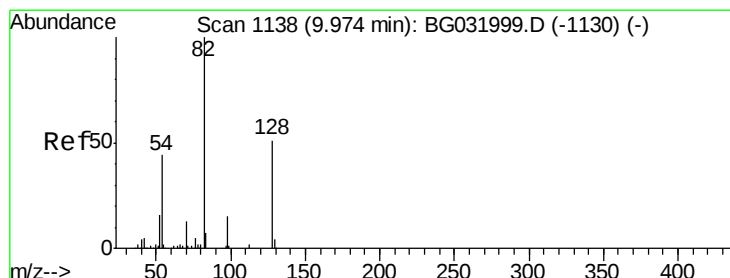
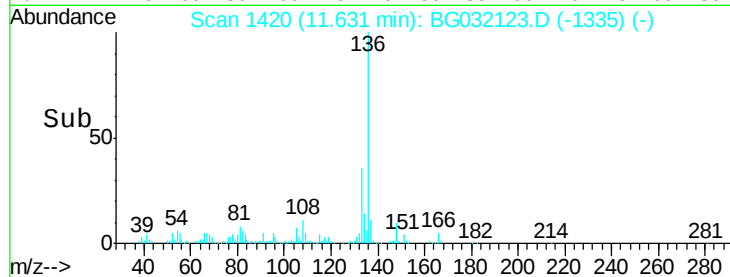
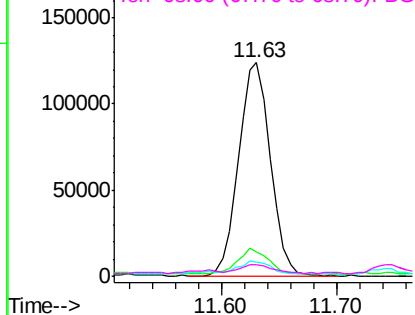
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.63 min Scan# 1420
Delta R.T. -0.03 min
Lab File: BG032123.D
Acq: 18 Jan 2018 5:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	235695
Ion Ratio	Lower	Upper
136 100		
137 11.6	9.2	13.8
54 6.9	10.3	15.5#
68 5.4	4.5	6.7

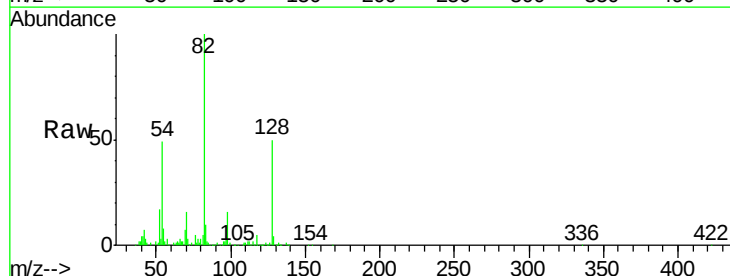


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

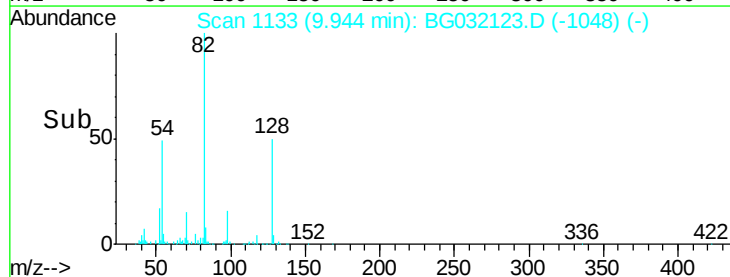
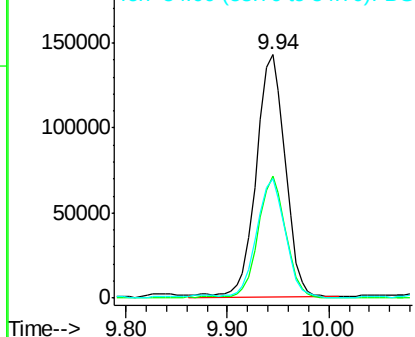


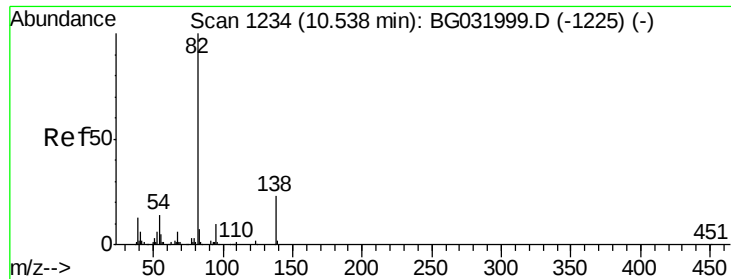
#23
Nitrobenzene-d5
Concen: 81.431 ng
RT: 9.94 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BG032123.D
Acq: 18 Jan 2018 5:13

Tgt	Ion: 82	Resp:	283692
Ion	Ratio	Lower	Upper
82	100		
128	50.3	29.7	44.5#
54	49.0	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#25

Isophorone

Concen: 3.195 ng

RT: 10.52 min Scan# 1231

Delta R.T. -0.02 min

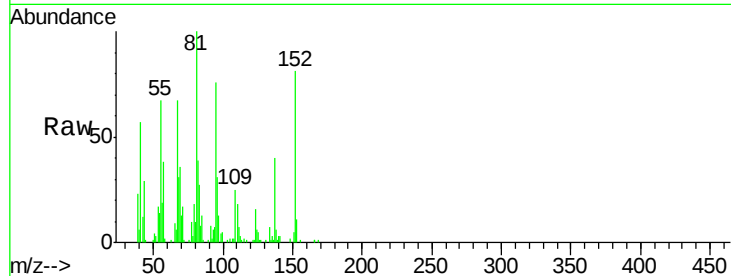
Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

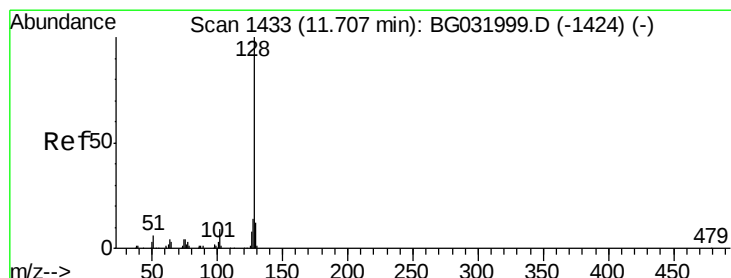
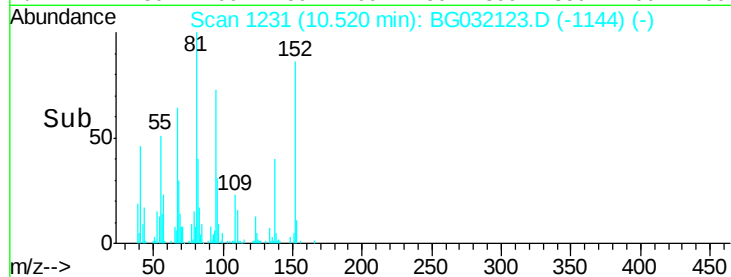
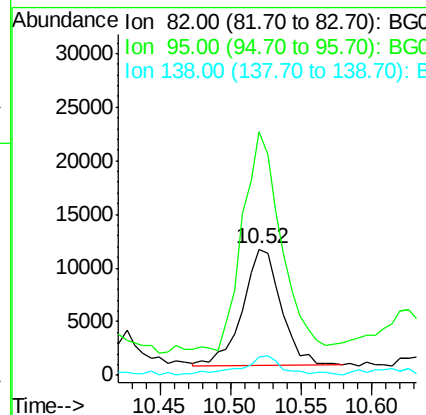
Instrument :

BNA_G

ClientSampled :



Tot Ion:	82	Resp:	20723
Ion	Ratio	Lower	Upper
82	100		
95	193.2	6.2	9.2#
138	14.0	12.1	18.1



#31

Naphthalene

Concen: 2.114 ng

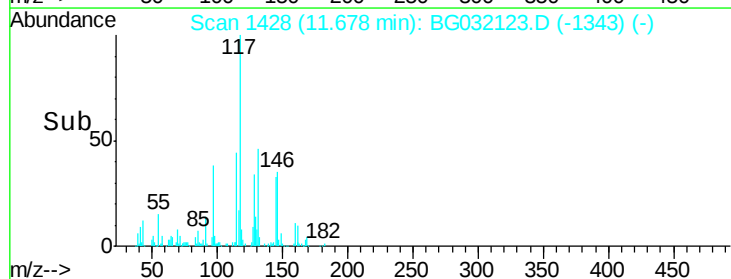
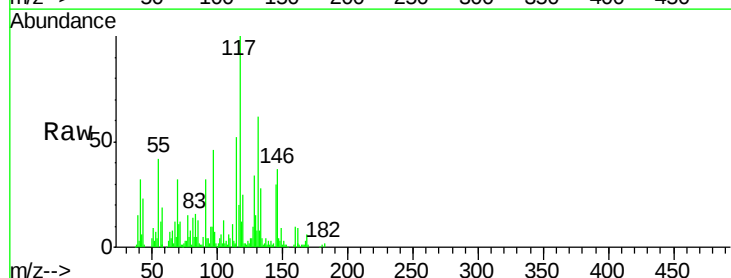
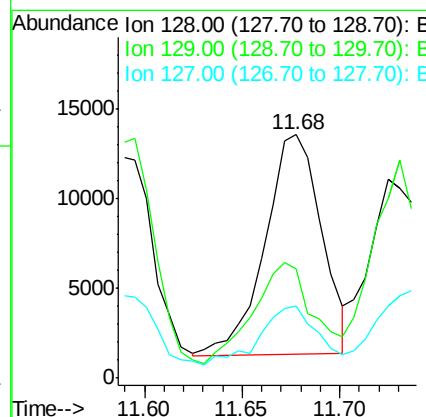
RT: 11.68 min Scan# 1428

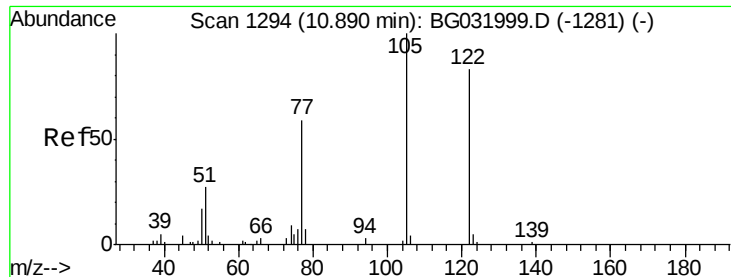
Delta R.T. -0.03 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

Tgt Ion:	128	Resp:	24677
Ion	Ratio	Lower	Upper
128	100		
129	44.6	8.6	12.8#
127	29.5	11.6	17.4#





#32

Benzoic acid

Concen: 6.119 ng

RT: 10.84 min Scan# 1285

Delta R.T. -0.05 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

Instrument :

BNA_G

ClientSampleId :

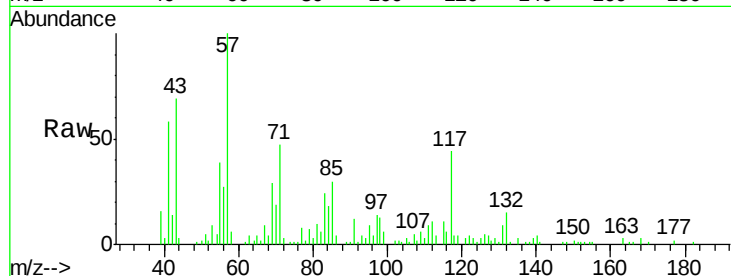
Tot Ion:122 Resp: 2539

Ion Ratio Lower Upper

122 100

105 71.3 123.5 163.5#

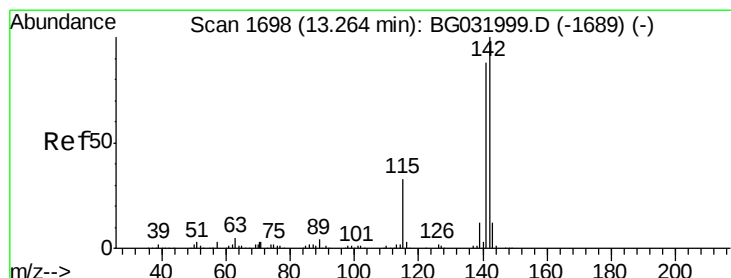
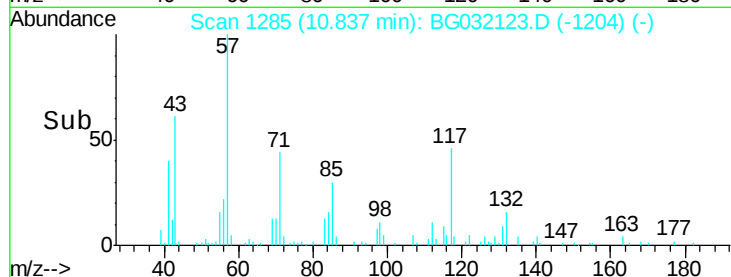
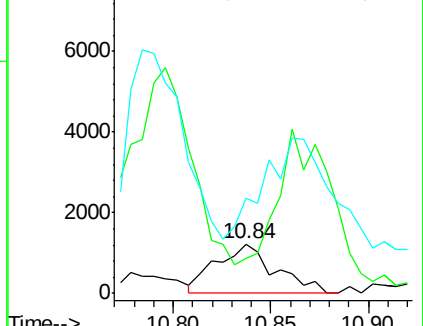
77 191.6 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#37

2-Methylnaphthalene

Concen: 3.221 ng

RT: 13.25 min Scan# 1695

Delta R.T. -0.02 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

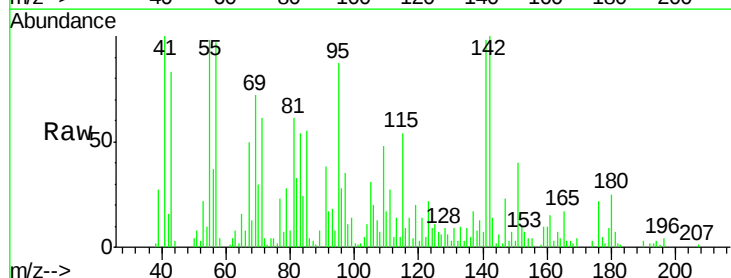
Tgt Ion:142 Resp: 29860

Ion Ratio Lower Upper

142 100

141 98.2 67.1 100.7

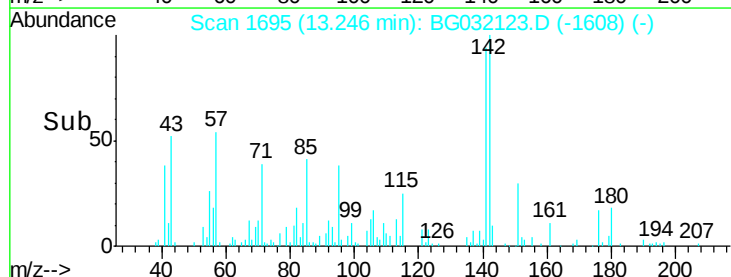
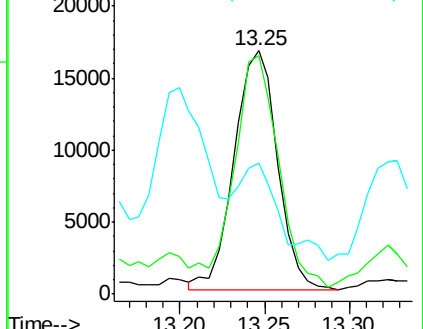
115 54.0 30.7 46.1#

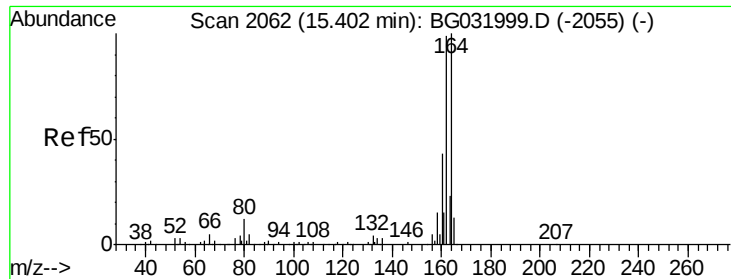


Abundance Ion 142.00 (141.70 to 142.70): E

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: 15.38 min Scan# 2059

Delta R.T. -0.02 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

Instrument :

BNA_G

ClientSampleId :

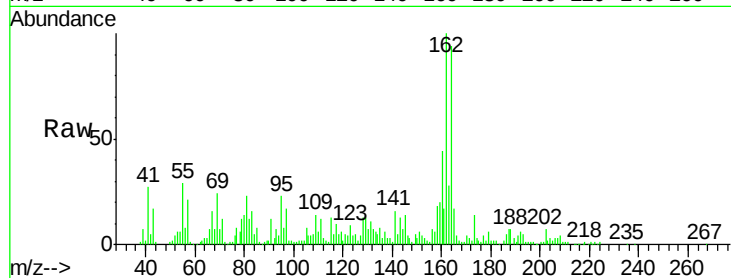
Tot Ion:164 Resp: 157651

Ion Ratio Lower Upper

164 100

162 106.3 78.8 118.2

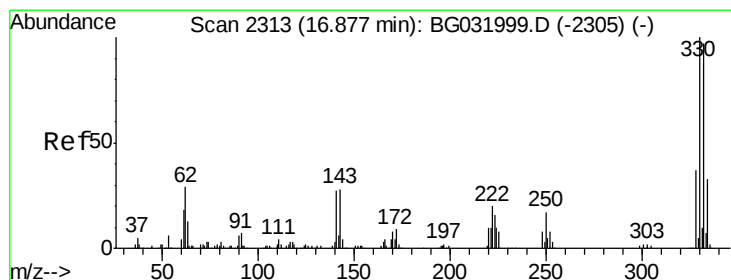
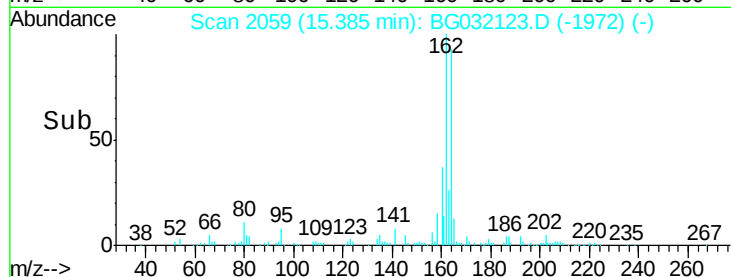
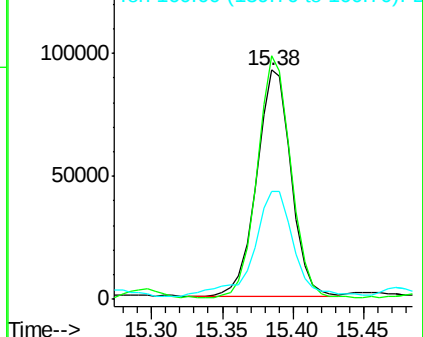
160 47.2 35.4 53.0



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: 105.387 ng

RT: 16.87 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

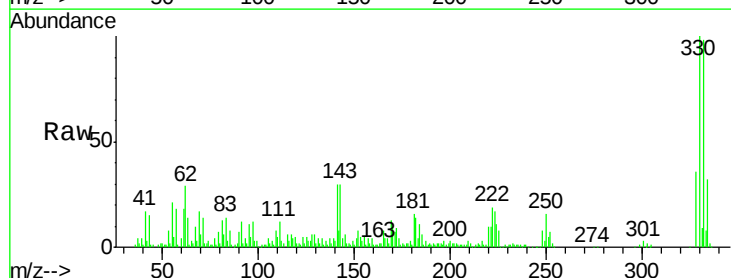
Tgt Ion:330 Resp: 274928

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

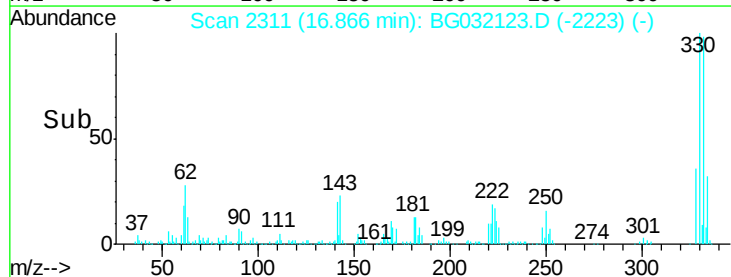
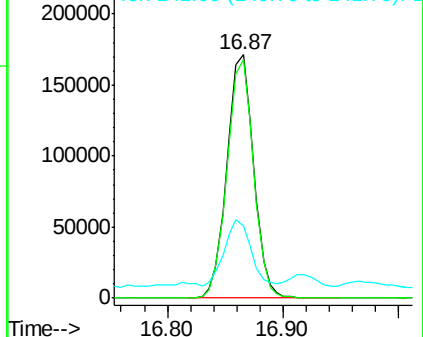
141 26.9 25.2 37.8

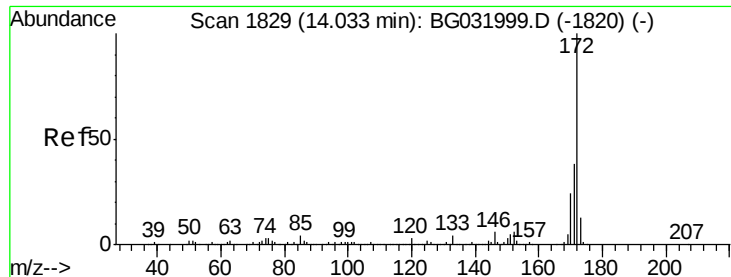


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

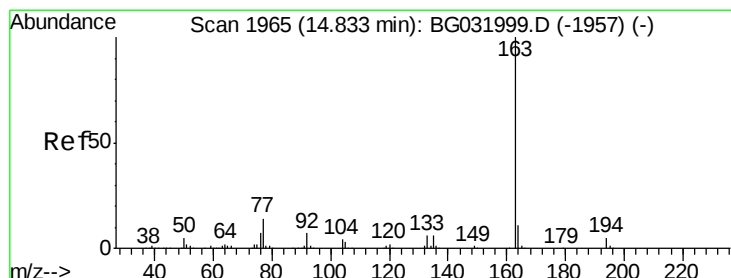
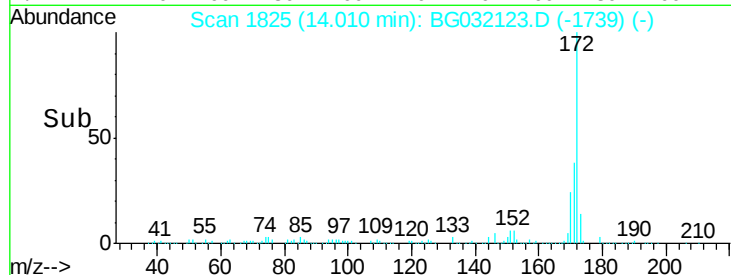
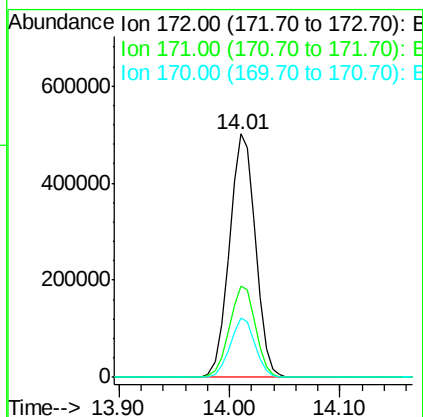
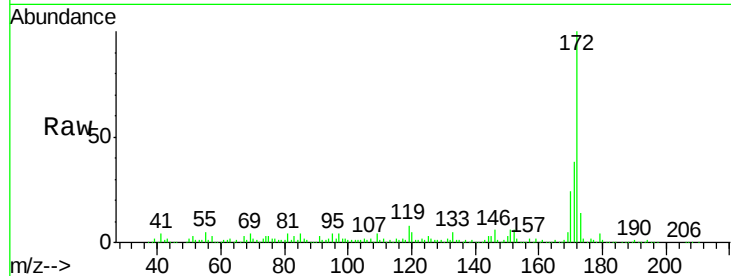




#44
2-Fluorobiphenyl
Concen: 65.185 ng
RT: 14.01 min Scan# 1825
Delta R.T. -0.02 min
Lab File: BG032123.D
Acq: 18 Jan 2018 5:13

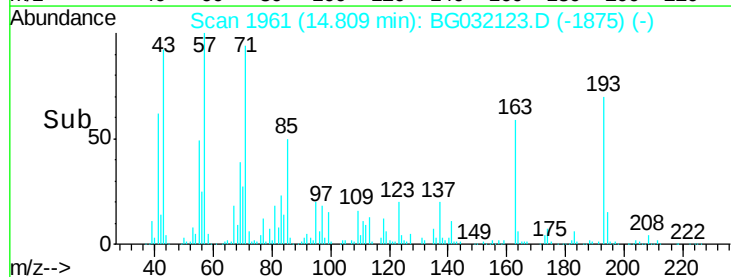
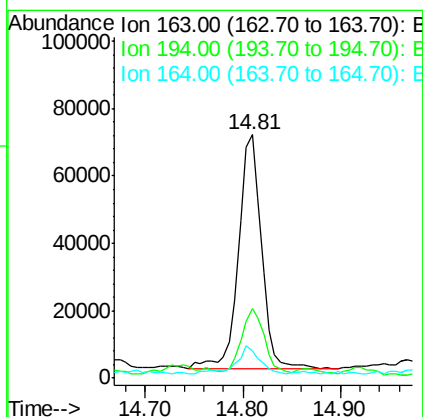
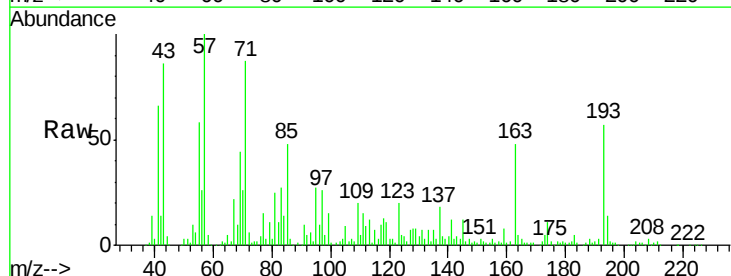
Instrument :
BNA_G
ClientSampleId :

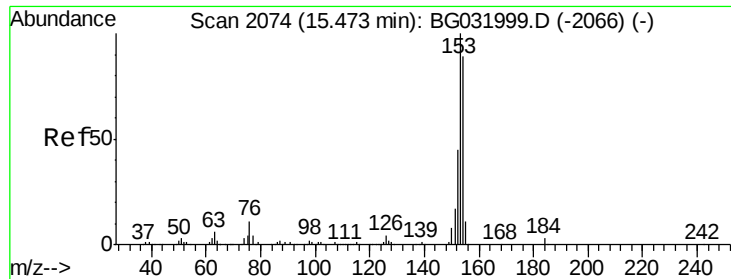
Tot Ion:172 Resp: 828782
Ion Ratio Lower Upper
172 100
171 37.6 30.0 45.0
170 24.3 19.5 29.3



#49
Dimethylphthalate
Concen: 8.308 ng
RT: 14.81 min Scan# 1961
Delta R.T. -0.02 min
Lab File: BG032123.D
Acq: 18 Jan 2018 5:13

Tgt Ion:163 Resp: 114622
Ion Ratio Lower Upper
163 100
194 28.7 3.4 5.2#
164 11.0 8.2 12.4





#51

Acenaphthene

Concen: 3.211 ng

RT: 15.45 min Scan# 2070

Delta R.T. -0.02 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

Instrument :

BNA_G

ClientSampled :

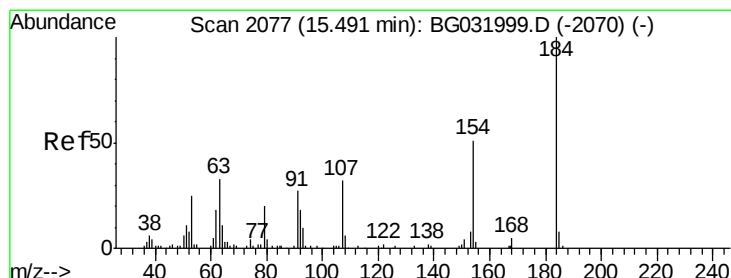
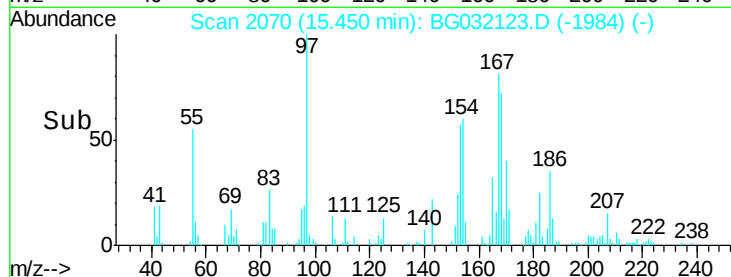
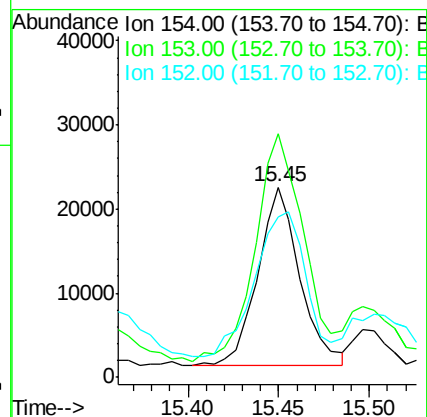
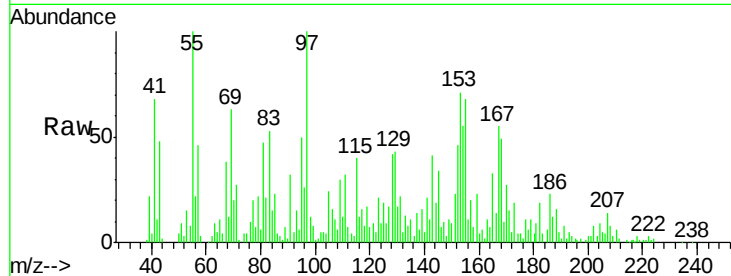
Tot Ion:154 Resp: 33990

Ion Ratio Lower Upper

154 100

153 128.3 90.4 135.6

152 84.2 41.6 62.4#



#53

2,4-Dinitrophenol

Concen: 7.494 ng

RT: 15.49 min Scan# 2077

Delta R.T. 0.00 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

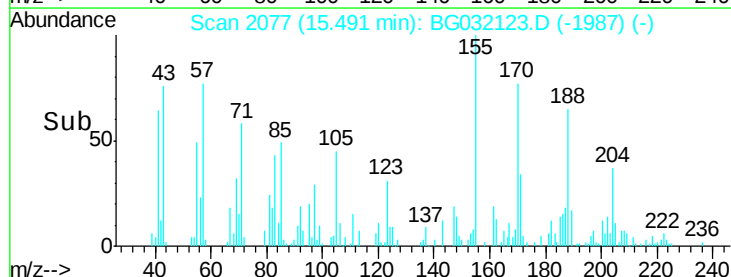
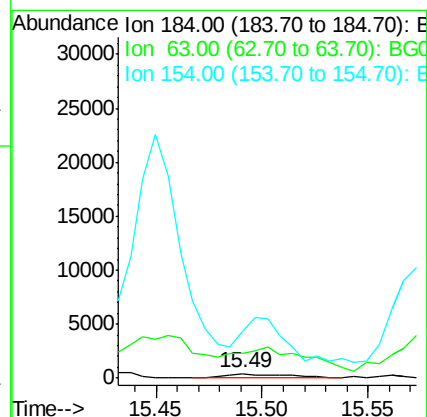
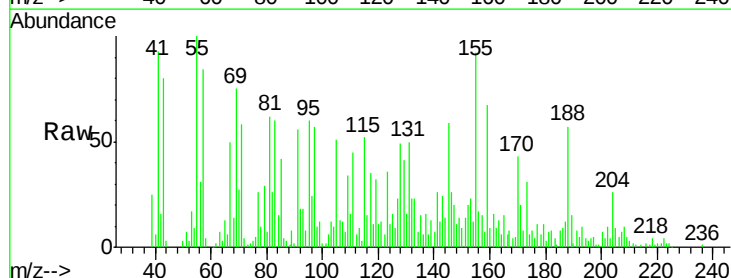
Tgt Ion:184 Resp: 834

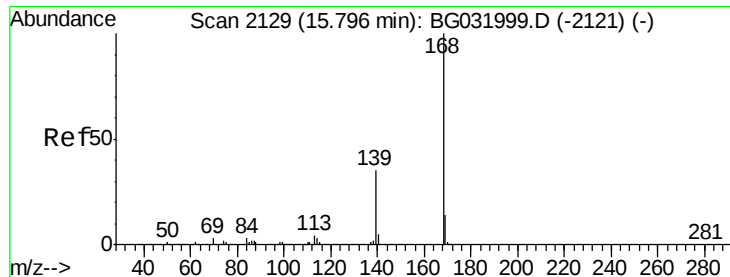
Ion Ratio Lower Upper

184 100

63 533.0 59.8 89.8#

154 999.5 101.8 152.8#





#54

Dibenzenofuran

Concen: 3.180 ng

RT: 15.78 min Scan# 2126

Delta R.T. -0.02 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

Instrument :

BNA_G

ClientSampled :

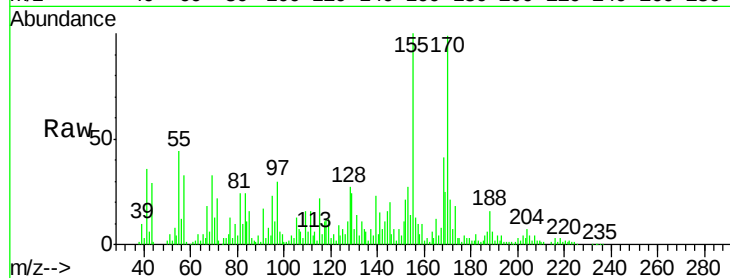
Tot Ion:168 Resp: 50223

Ion Ratio Lower Upper

168 100

139 55.5 28.6 43.0#

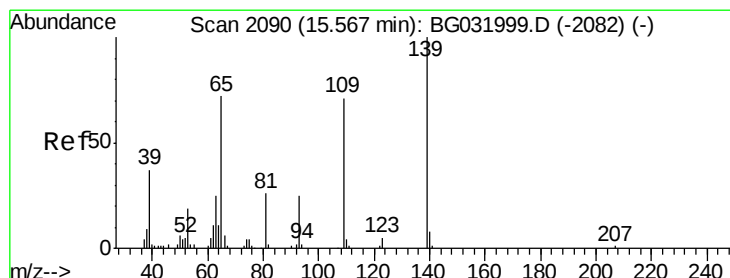
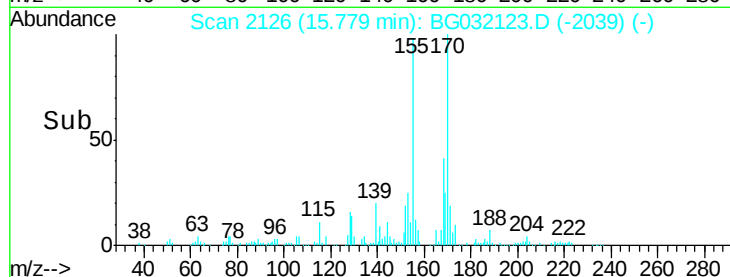
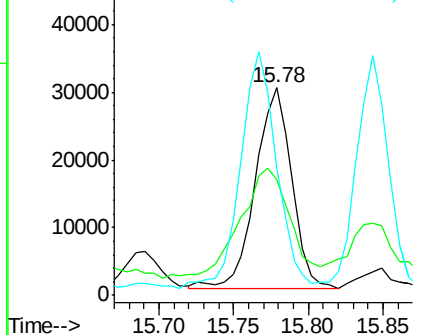
169 61.4 11.2 16.8#



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



#55

4-Nitrophenol

Concen: 11.512 ng

RT: 15.58 min Scan# 2093

Delta R.T. 0.02 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

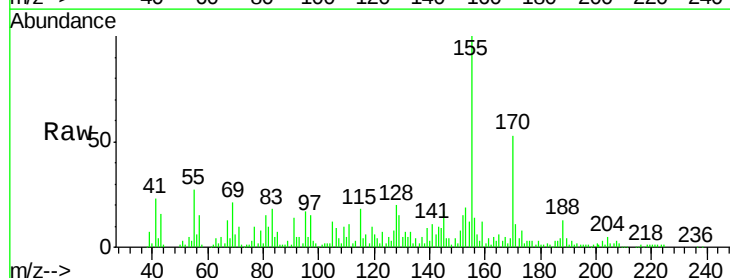
Tgt Ion:139 Resp: 21697

Ion Ratio Lower Upper

139 100

109 106.8 62.2 102.2#

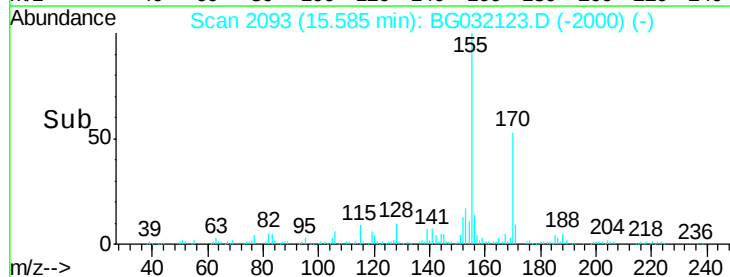
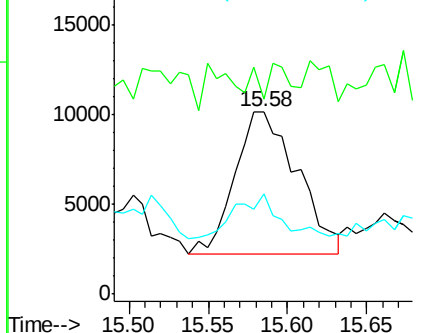
65 54.7 97.2 137.2#

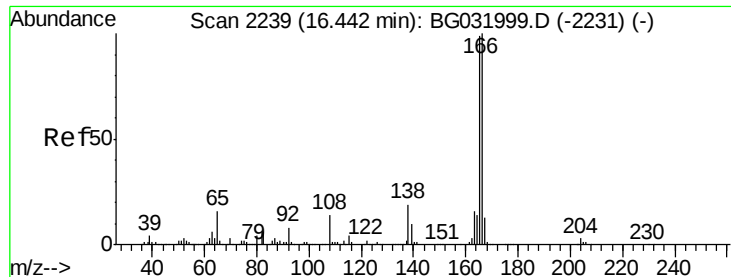


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#57

Fluorene

Concen: 8.387 ng

RT: 16.42 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

Instrument :

BNA_G

ClientSampleId :

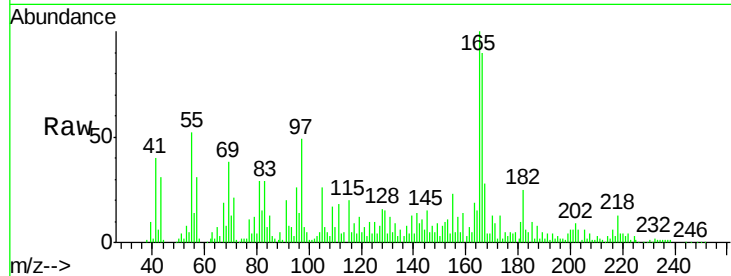
Tot Ion:166 Resp: 108637

Ion Ratio Lower Upper

166 100

165 110.8 80.6 121.0

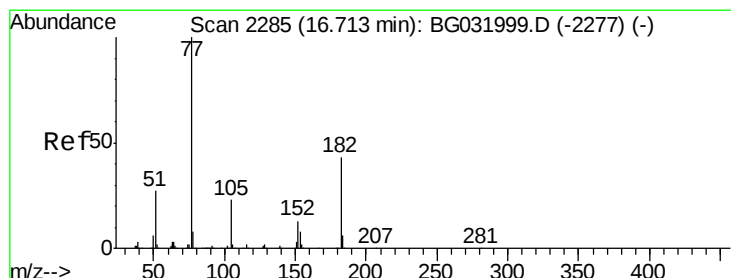
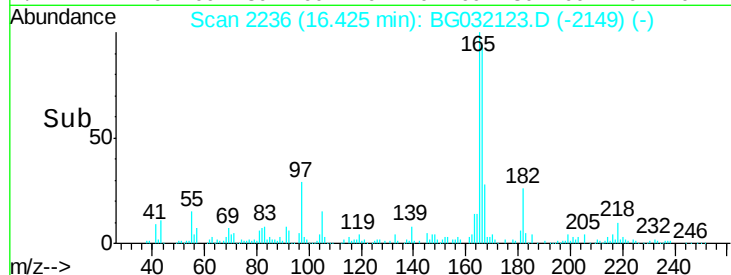
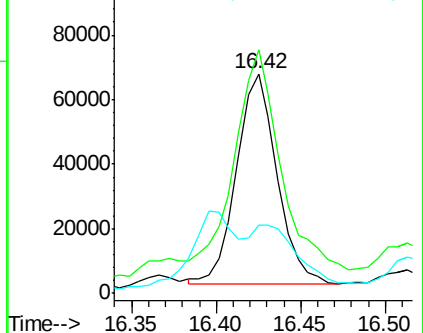
167 30.8 10.4 15.6#



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



#62

Azobenzene

Concen: 9.807 ng

RT: 16.71 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

Tgt Ion: 77 Resp: 82097

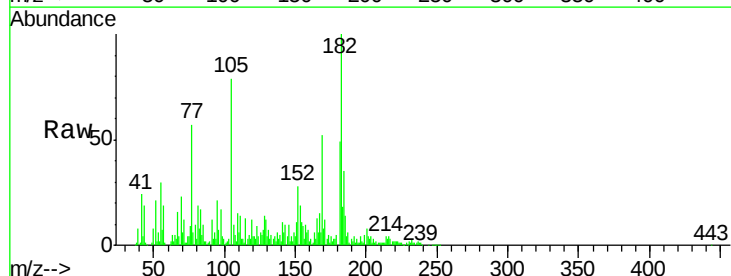
Ion Ratio Lower Upper

77 100

182 174.6 7.4 47.4#

105 137.3 0.3 40.3#

51 37.0 11.6 51.6

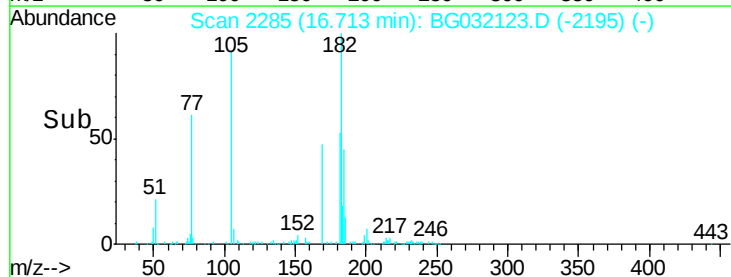
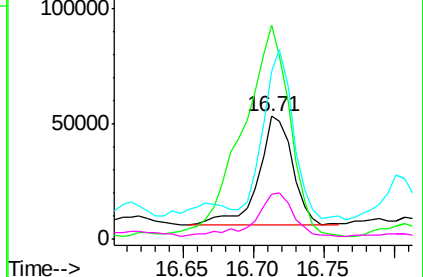


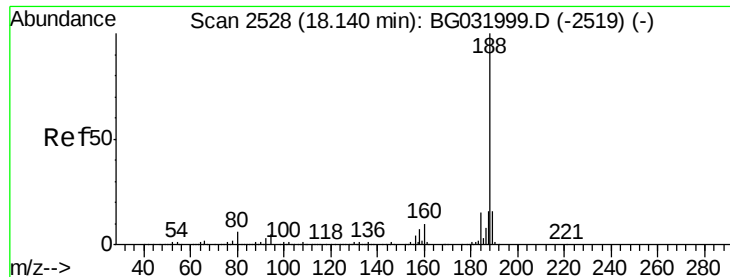
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

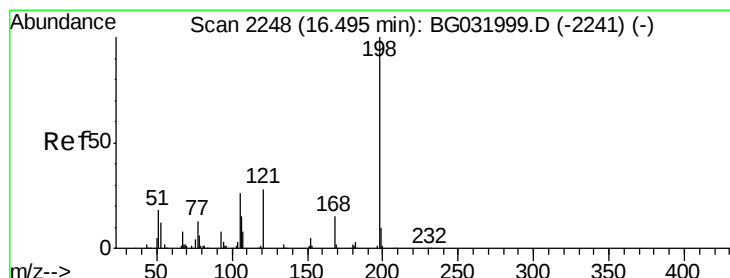
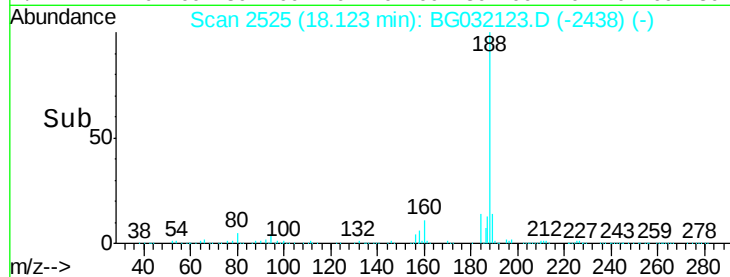
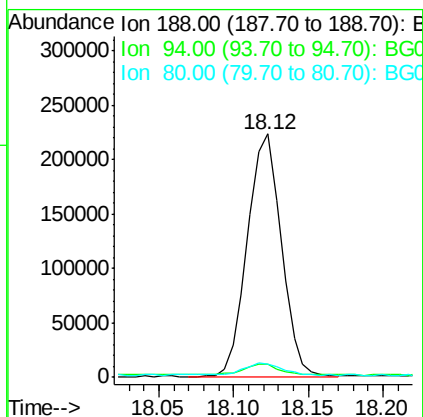
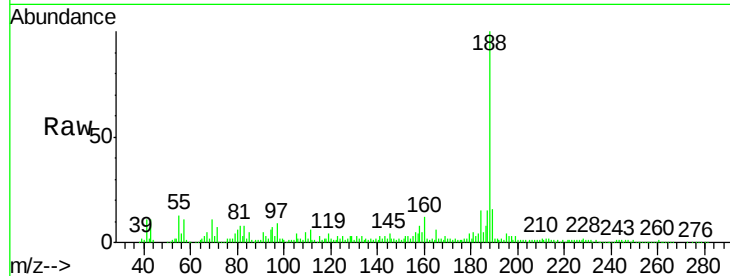




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.12 min Scan# 2525
 Delta R.T. -0.02 min
 Lab File: BG032123.D
 Acq: 18 Jan 2018 5:13

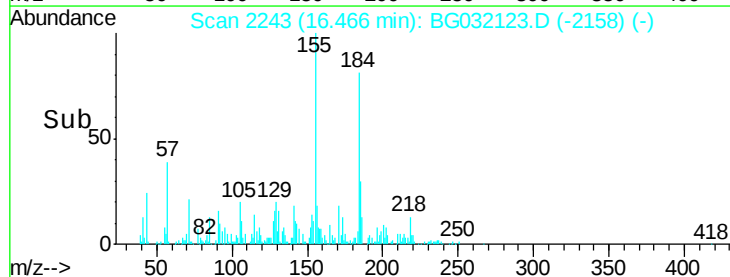
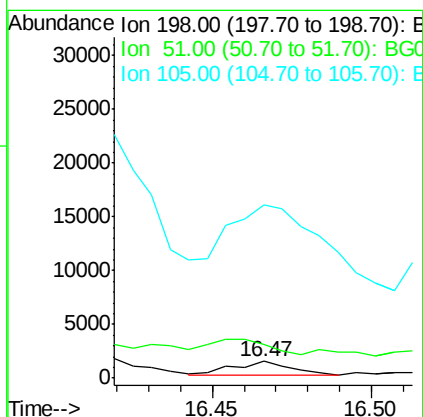
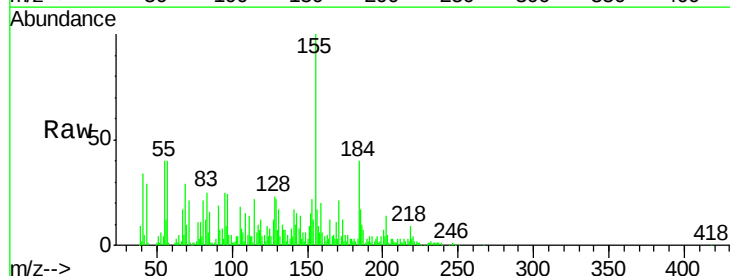
Instrument :
 BNA_G
 ClientSampleId :

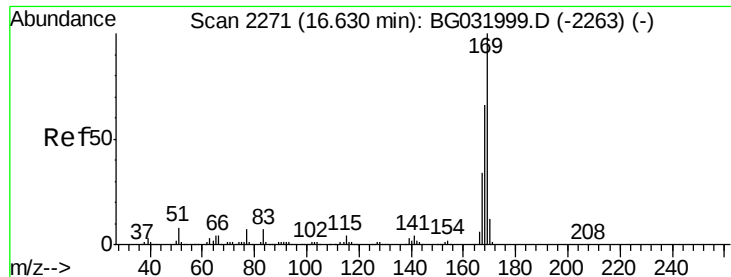
Tot Ion:188 Resp: 350850
 Ion Ratio Lower Upper
 188 100
 94 5.6 6.9 10.3#
 80 5.7 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.507 ng
 RT: 16.47 min Scan# 2243
 Delta R.T. -0.03 min
 Lab File: BG032123.D
 Acq: 18 Jan 2018 5:13

Tgt Ion:198 Resp: 1556
 Ion Ratio Lower Upper
 198 100
 51 207.3 30.6 70.6#
 105 1057.2 23.8 63.8#

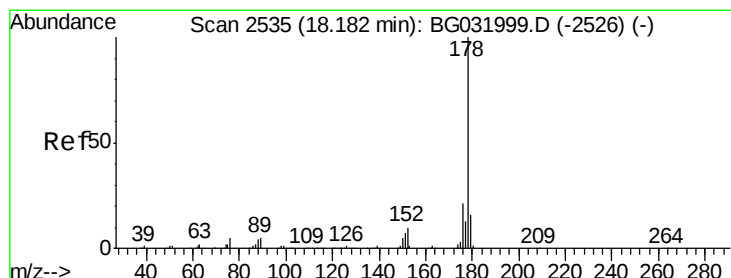
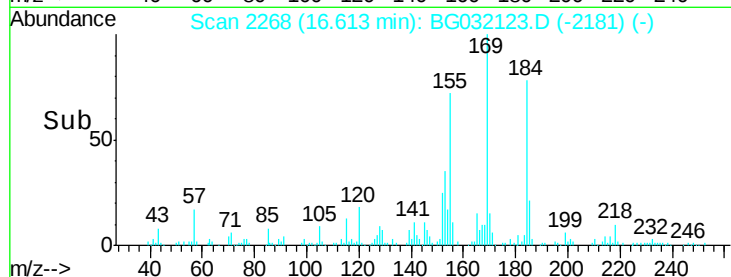
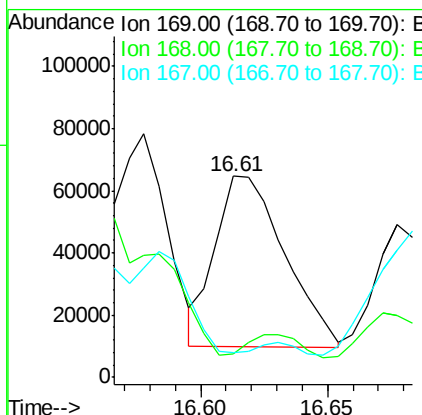
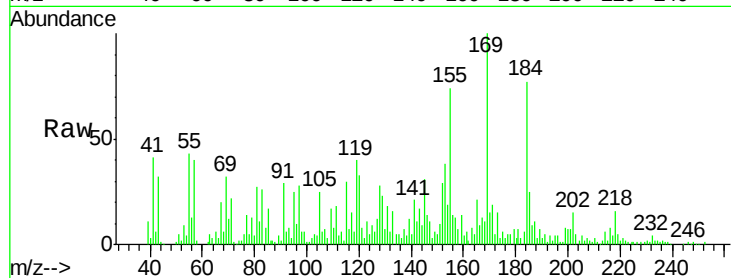




#65
n-Nitrosodiphenylamine
Concen: 9.798 ng
RT: 16.61 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BG032123.D
Acq: 18 Jan 2018 5:13

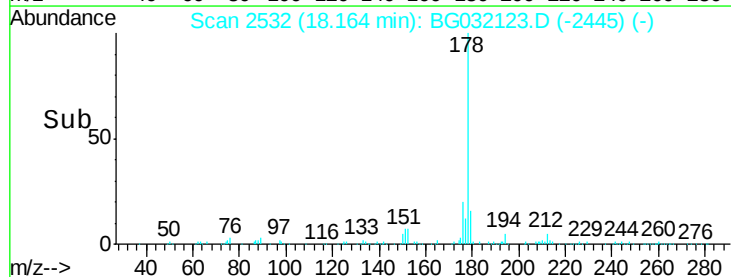
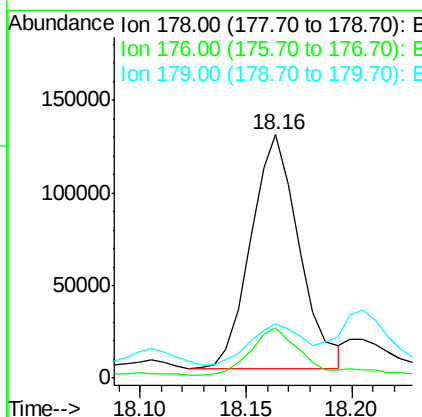
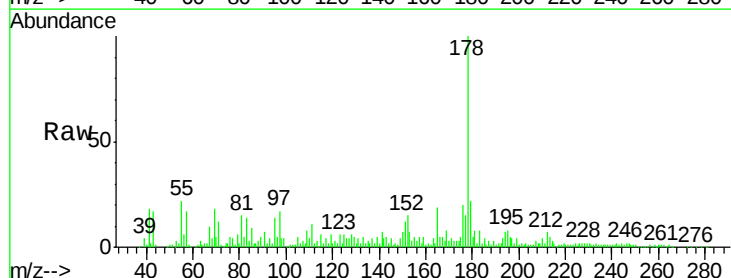
Instrument :
BNA_G
ClientSampled :

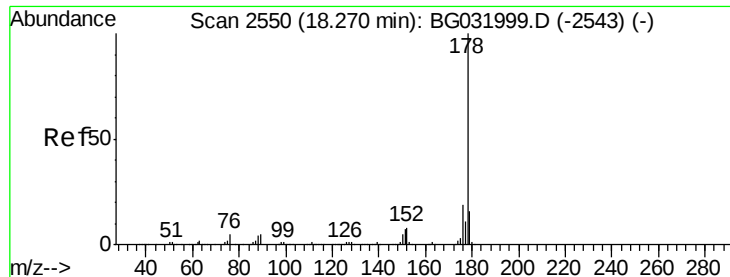
Tot Ion:169 Resp: 104312
Ion Ratio Lower Upper
169 100
168 11.4 55.7 83.5#
167 12.5 30.1 45.1#



#70
Phenanthrene
Concen: 10.284 ng
RT: 18.16 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BG032123.D
Acq: 18 Jan 2018 5:13

Tgt Ion:178 Resp: 200892
Ion Ratio Lower Upper
178 100
176 20.4 15.7 23.5
179 22.2 12.5 18.7#





#71

Anthracene

Concen: 3.954 ng

RT: 18.31 min Scan# 2556

Delta R.T. 0.04 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

Instrument :

BNA_G

ClientSampleId :

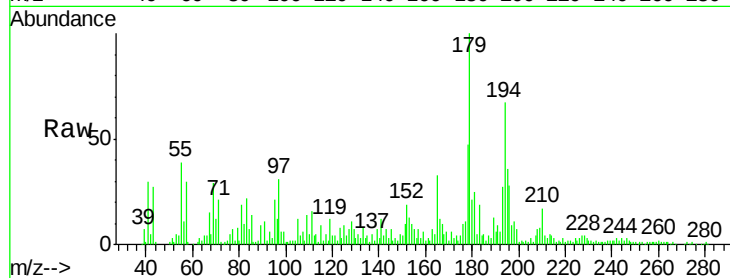
Tot Ion:178 Resp: 77044

Ion Ratio Lower Upper

178 100

176 22.0 16.0 24.0

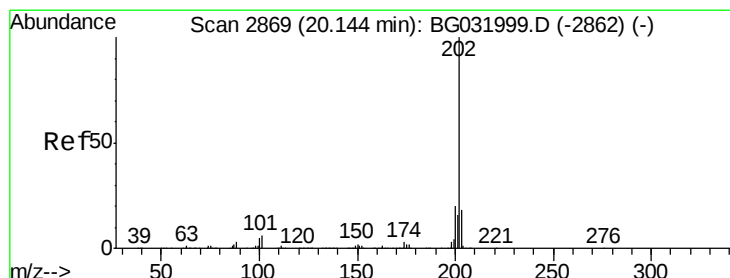
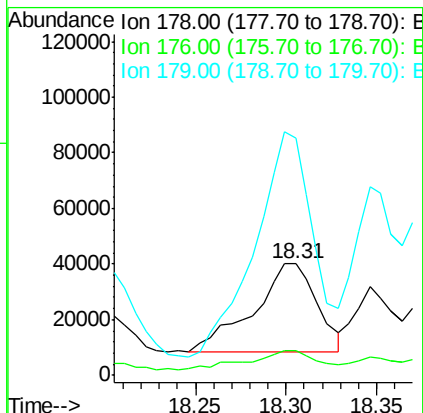
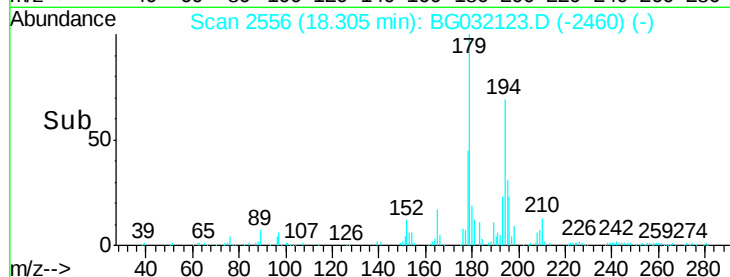
179 212.3 12.5 18.7#



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



#74

Fluoranthene

Concen: 3.161 ng

RT: 20.48 min Scan# 2926

Delta R.T. 0.34 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

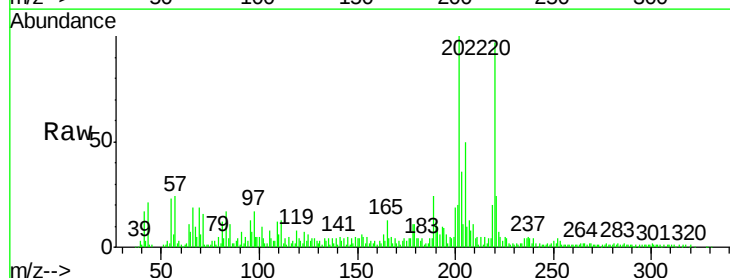
Tgt Ion:202 Resp: 77321

Ion Ratio Lower Upper

202 100

101 10.5 0.0 28.9

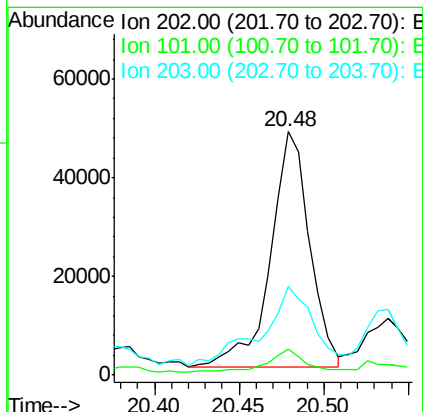
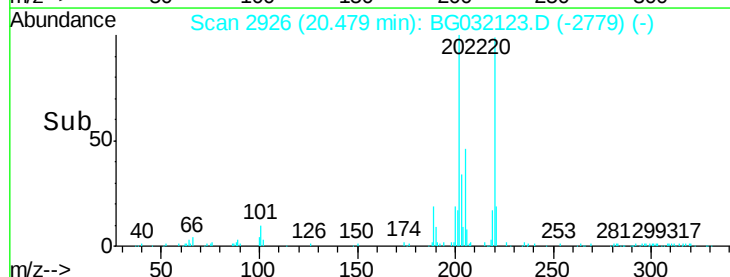
203 36.3 0.0 37.5

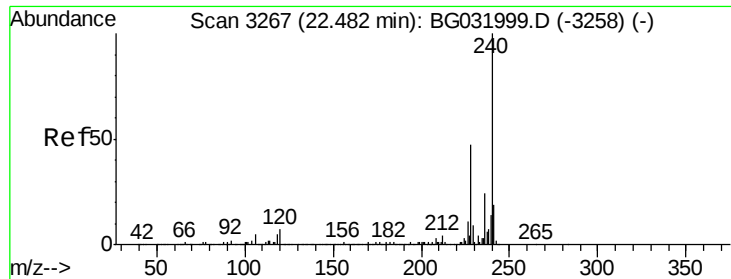


Abundance Ion 202.00 (201.70 to 202.70): E

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: 22.45 min Scan# 3262

Delta R.T. -0.03 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

Instrument :

BNA_G

ClientSampleId :

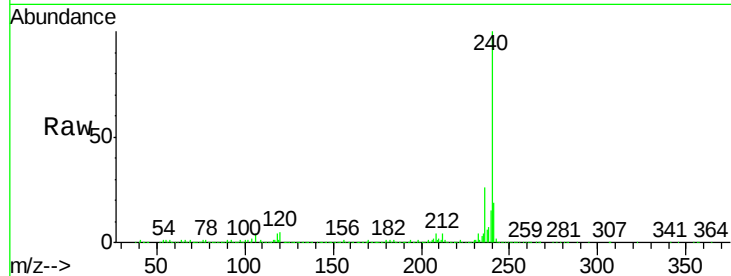
Tot Ion:240 Resp: 458252

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

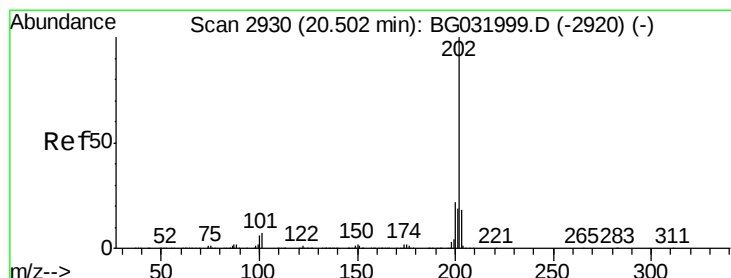
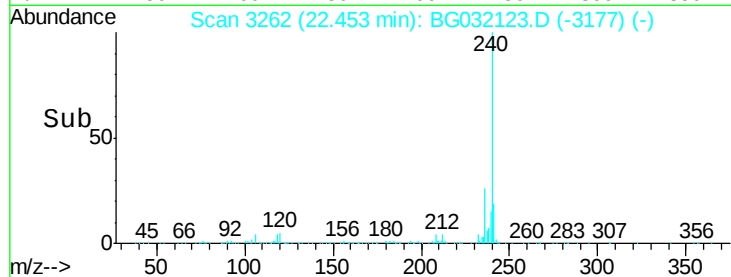
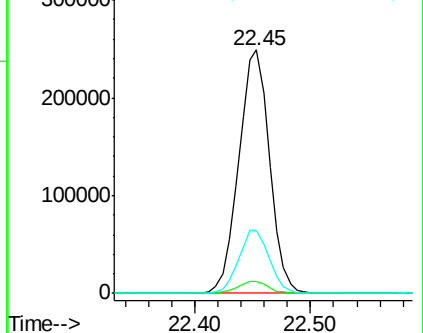
236 25.8 20.9 31.3



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

Pyrene

Concen: 2.684 ng

RT: 20.48 min Scan# 2926

Delta R.T. -0.02 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

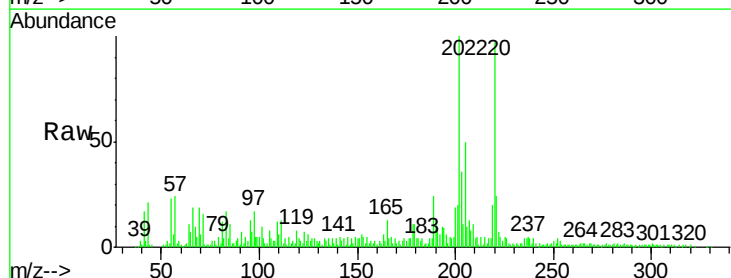
Tgt Ion:202 Resp: 77321

Ion Ratio Lower Upper

202 100

200 19.2 16.9 25.3

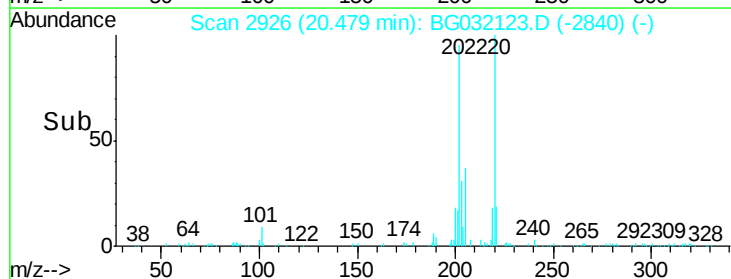
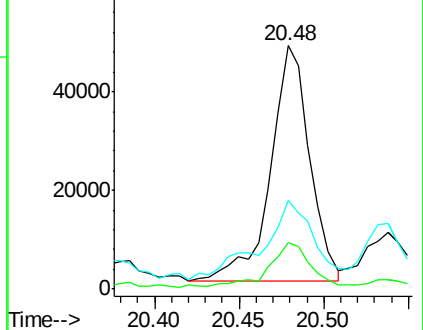
203 36.3 13.9 20.9#

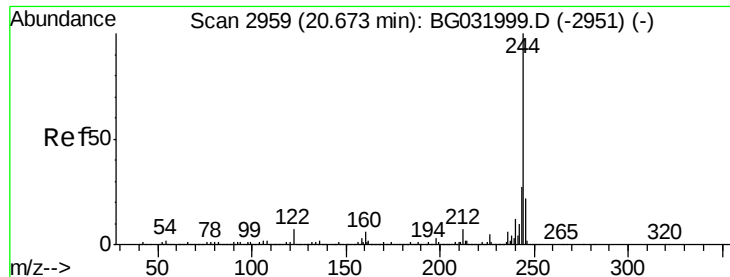


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.310 ng

RT: 20.66 min Scan# 2956

Delta R.T. -0.02 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

Instrument :

BNA_G

ClientSampleId :

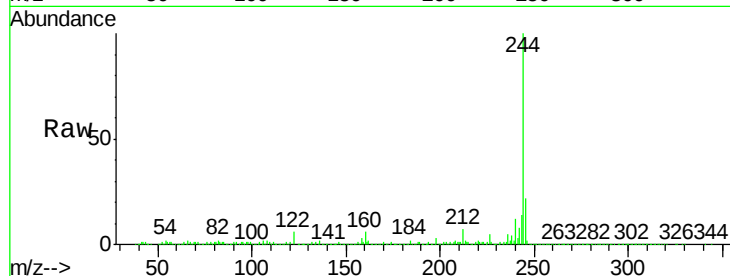
Tot Ion:244 Resp: 1355420

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

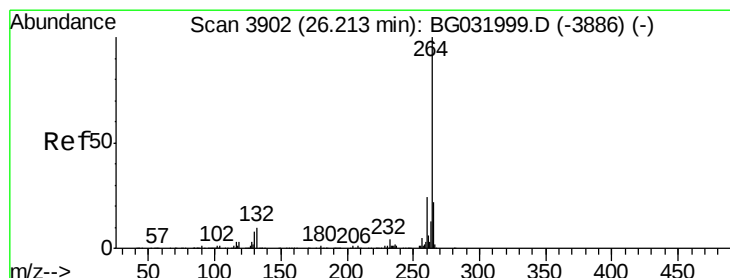
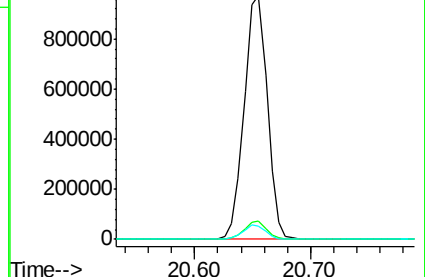
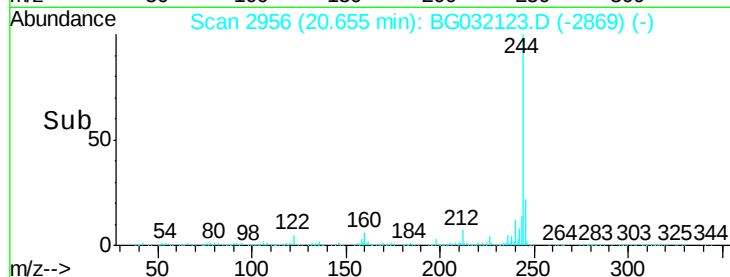
122 5.5 7.0 10.4#



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: 26.15 min Scan# 3892

Delta R.T. -0.06 min

Lab File: BG032123.D

Acq: 18 Jan 2018 5:13

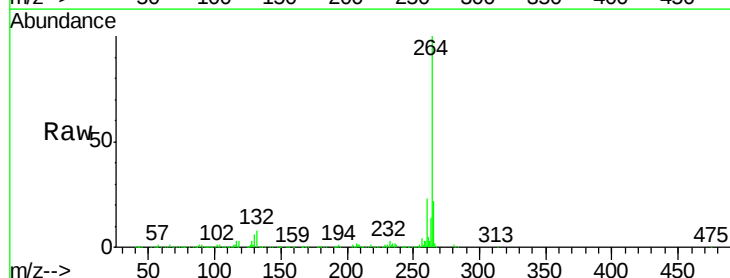
Tgt Ion:264 Resp: 502824

Ion Ratio Lower Upper

264 100

260 23.3 17.4 26.0

265 22.0 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

