

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110316\
 Data File : BG024651.D
 Acq On : 3 Nov 2016 13:51
 Operator : UM/SJ
 Sample : H5502-30
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GW-88-7.6-20.0

Quant Time: Nov 03 18:10:42 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

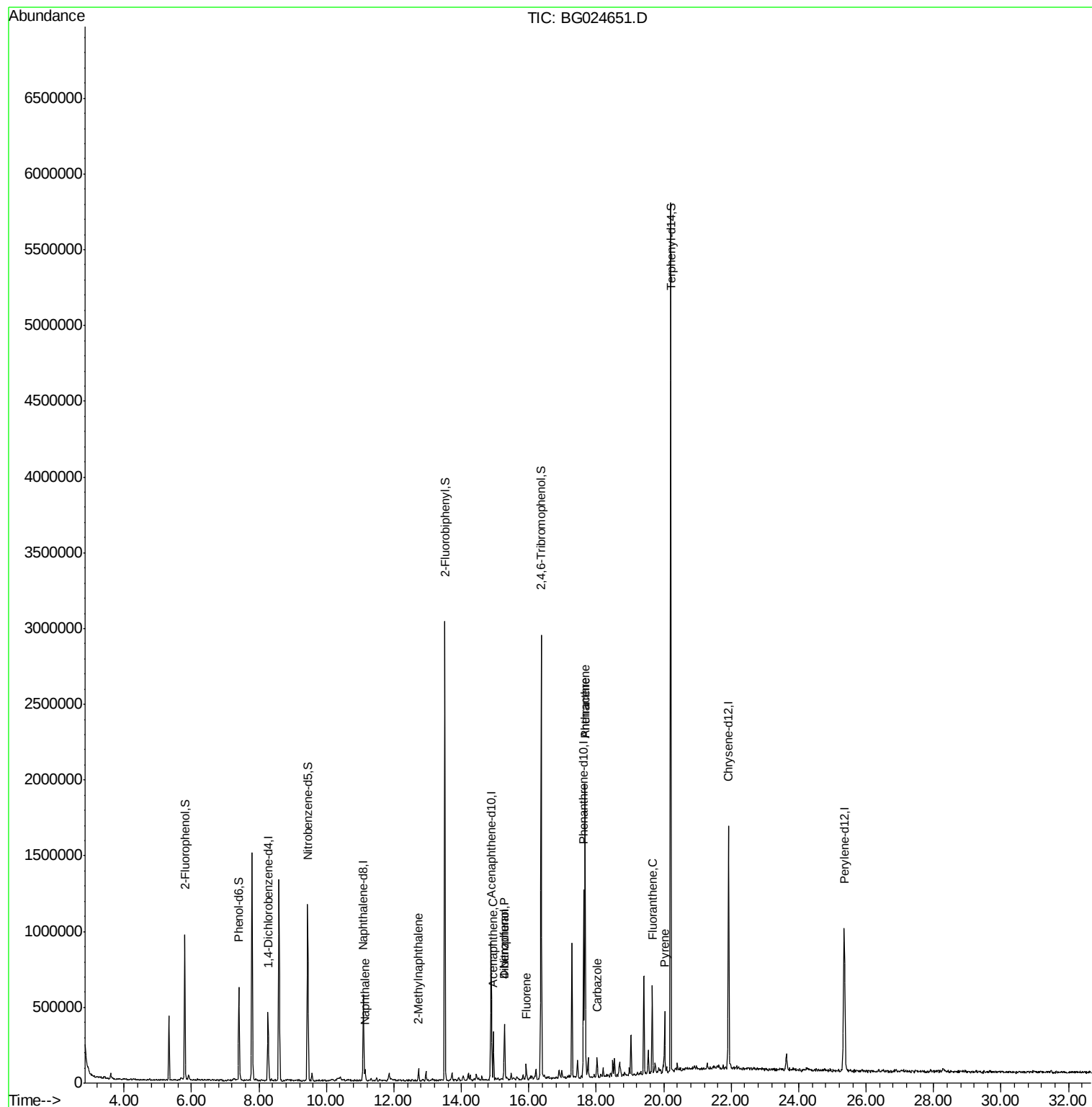
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	122495	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	449951	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	331835	20.00	ng	0.00
63) Phenanthrene-d10	17.63	188	792499	20.00	ng	0.00
75) Chrysene-d12	21.92	240	1103648	20.00	ng	0.00
86) Perylene-d12	25.35	264	1136170	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	374761	50.14	ng	0.00
7) Phenol-d6	7.40	99	339902	33.15	ng	0.00
23) Nitrobenzene-d5	9.44	82	727652	73.63	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	585535	118.11	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	1519120	76.09	ng	0.00
78) Terphenyl-d14	20.21	244	2402097	65.04	ng	0.00
Target Compounds						
31) Naphthalene	11.15	128	48073	2.14	ng	Qvalue # 94
37) 2-Methylnaphthalene	12.73	142	33797	2.06	ng	90
51) Acenaphthene	14.95	154	122046	6.09	ng	99
54) Dibenzofuran	15.28	168	252780	9.12	ng	# 94
55) 4-Nitrophenol	15.28	139	103050	22.73	ng	# 1
57) Fluorene	15.93	166	46318	2.02	ng	89
70) Phenanthrene	17.67	178	1205934	29.85	ng	96
71) Anthracene	17.67	178	1205934	29.59	ng	99
72) Carbazole	18.03	167	80314	2.16	ng	95
74) Fluoranthene	19.66	202	401606	7.86	ng	91
77) Pyrene	20.02	202	258250	4.79	ng	95

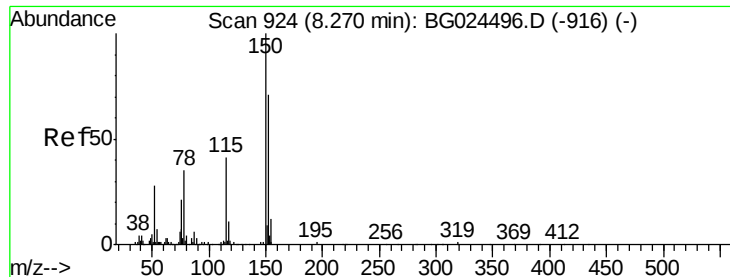
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 924

Delta R.T. -0.00 min

Lab File: BG024651.D

Acq: 3 Nov 2016 13:51

Instrument :

BNA_G

ClientSampleId :

GW-88-7.6-20.0

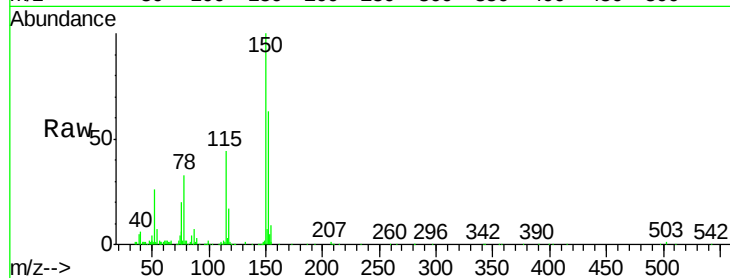
Tgt Ion:152 Resp: 122495

Ion Ratio Lower Upper

152 100

150 158.6 114.0 171.0

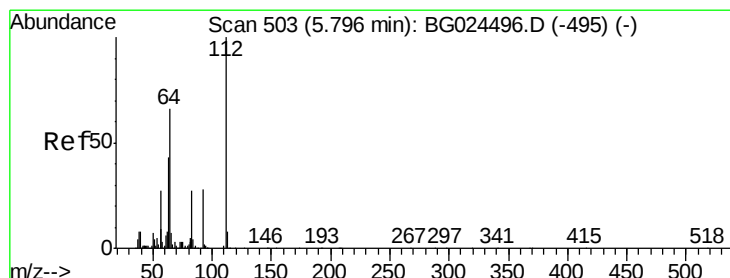
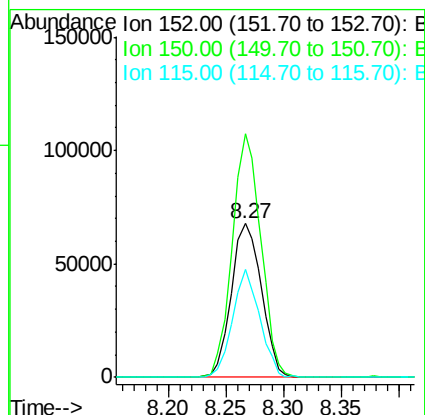
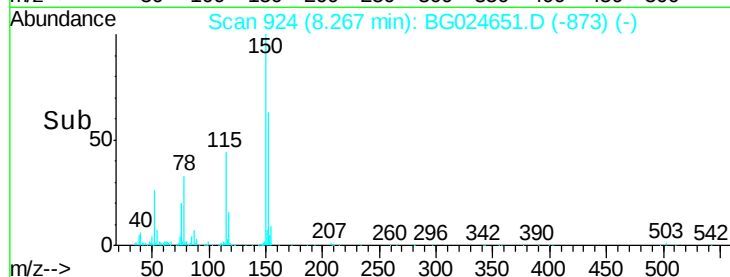
115 70.4 48.1 72.1



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: 50.14 ng

RT: 5.80 min Scan# 504

Delta R.T. 0.00 min

Lab File: BG024651.D

Acq: 3 Nov 2016 13:51

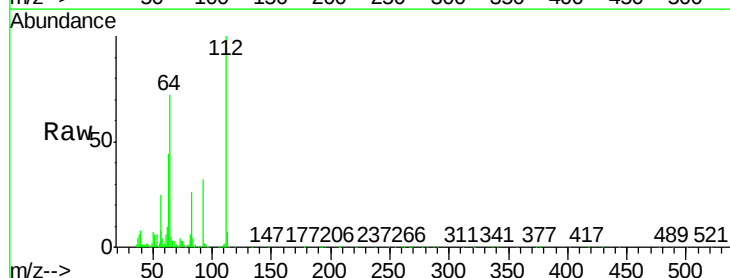
Tgt Ion:112 Resp: 374761

Ion Ratio Lower Upper

112 100

64 72.2 61.8 92.6

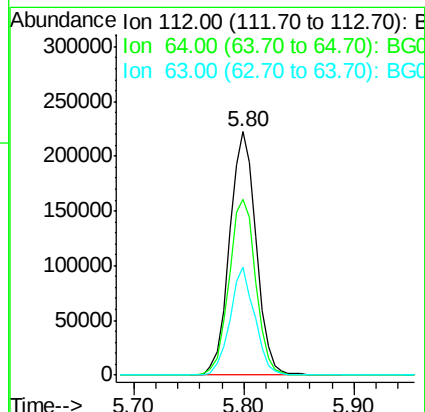
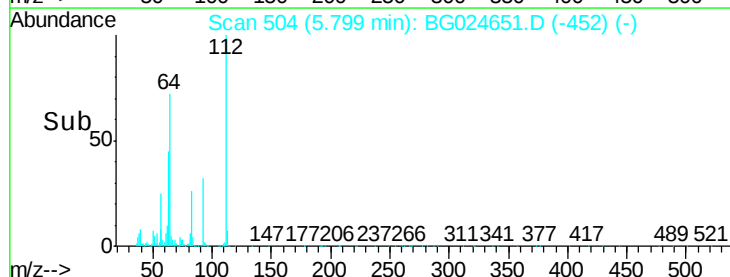
63 44.5 37.2 55.8

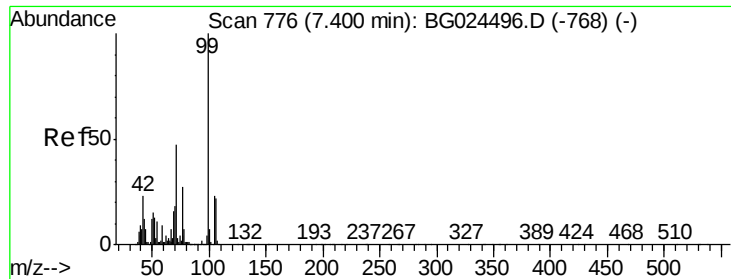


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 33.15 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG024651.D

Acq: 3 Nov 2016 13:51

Instrument :

BNA_G

ClientSampleId :

GW-88-7.6-20.0

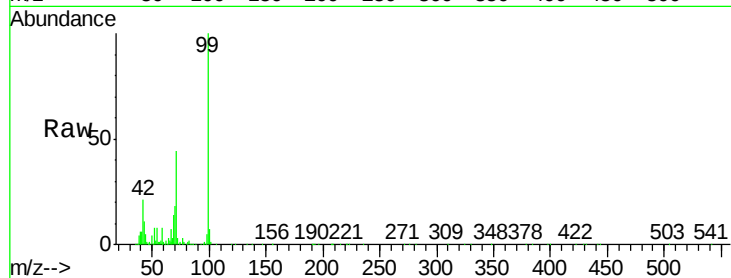
Tgt Ion: 99 Resp: 339902

Ion Ratio Lower Upper

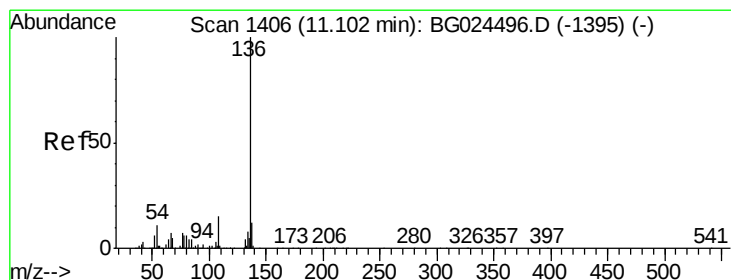
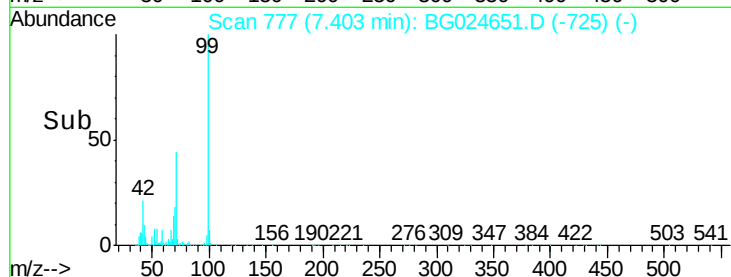
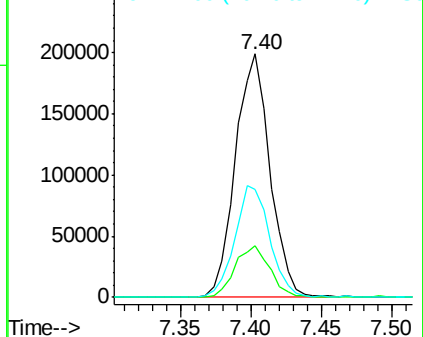
99 100

42 21.0 20.5 30.7

71 44.3 37.6 56.4



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: 11.09 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BG024651.D

Acq: 3 Nov 2016 13:51

Tgt Ion: 136 Resp: 449951

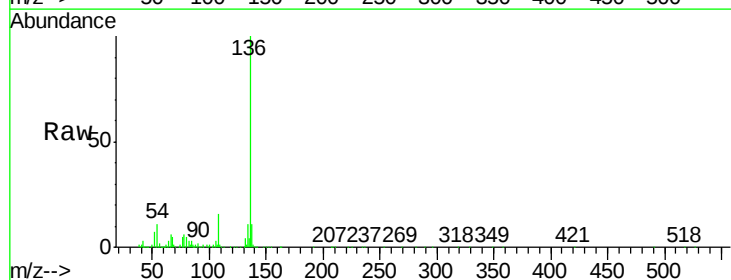
Ion Ratio Lower Upper

136 100

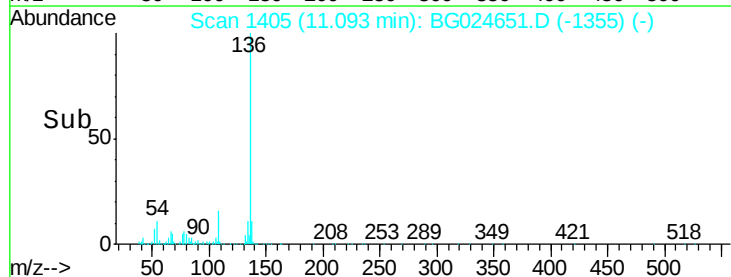
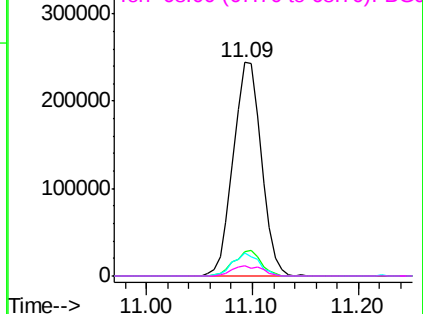
137 11.3 8.9 13.3

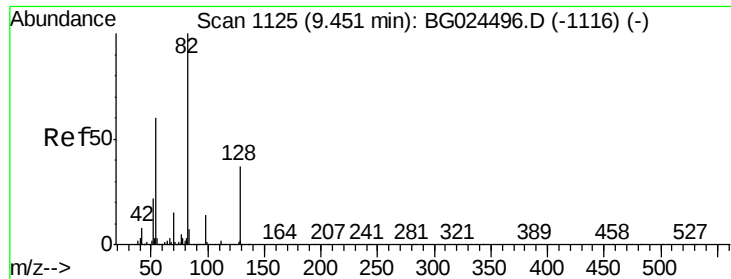
54 10.9 9.3 13.9

68 6.0 5.1 7.7



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

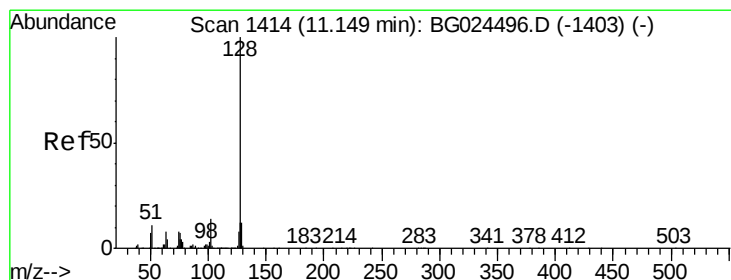
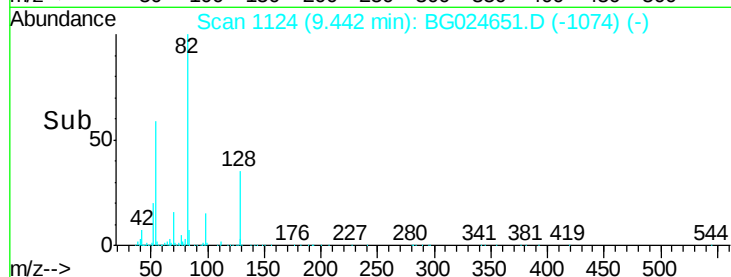
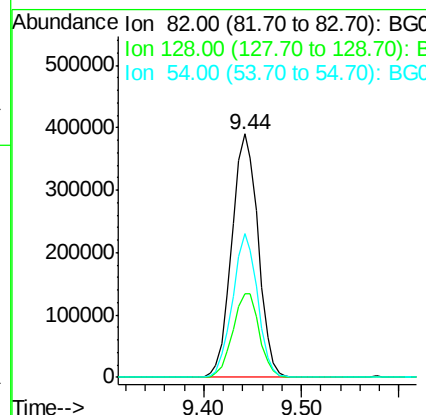
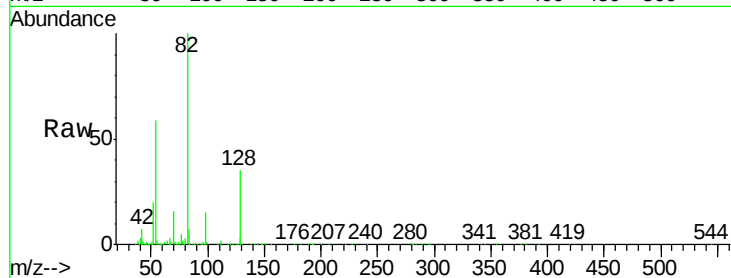




#23
 Nitrobenzene-d5
 Concen: 73.63 ng
 RT: 9.44 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BG024651.D
 Acq: 3 Nov 2016 13:51

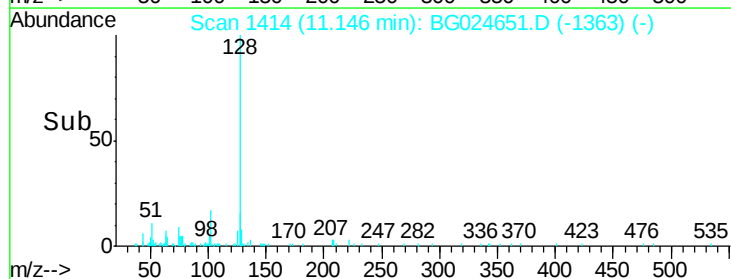
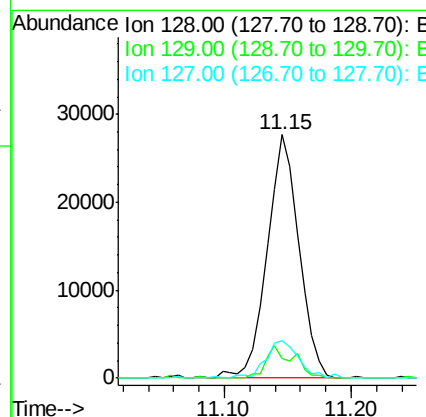
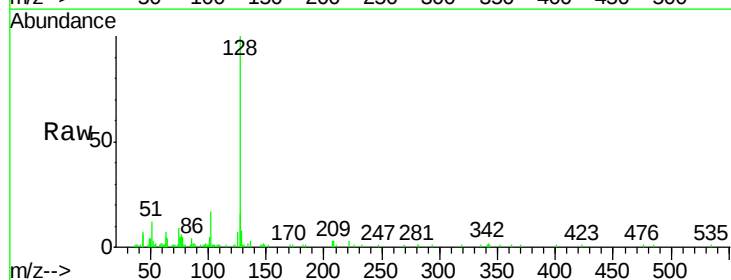
Instrument :
 BNA_G
 ClientSampleId :
 GW-88-7.6-20.0

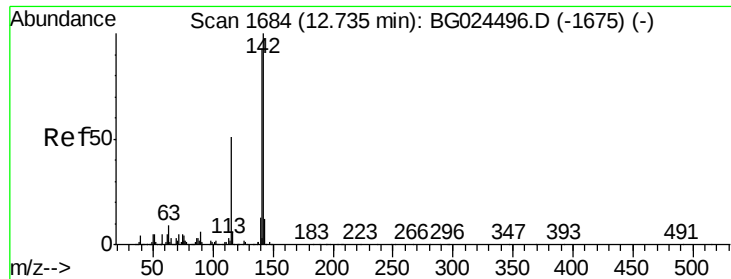
Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.5	26.4	39.6
54	59.3	49.4	74.2



#31
 Naphthalene
 Concen: 2.14 ng
 RT: 11.15 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: BG024651.D
 Acq: 3 Nov 2016 13:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	8.3	9.3	13.9#
127	15.6	11.4	17.0

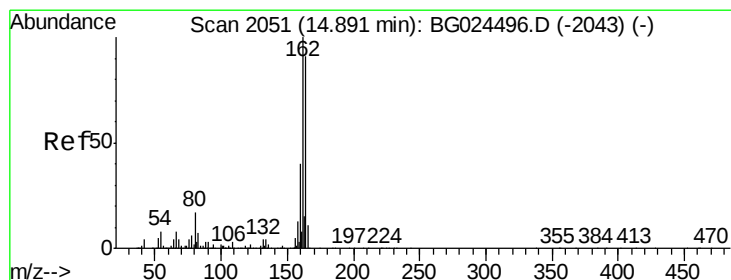
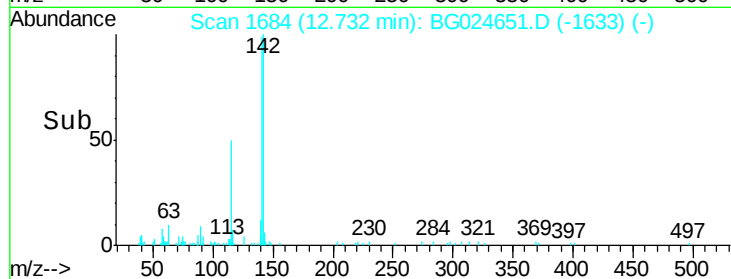
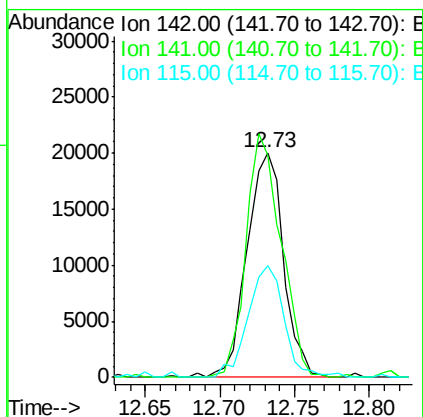
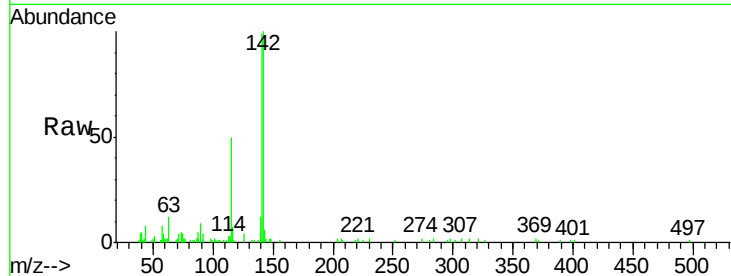




#37
 2-Methylnaphthalene
 Concen: 2.06 ng
 RT: 12.73 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: BG024651.D
 Acq: 3 Nov 2016 13:51

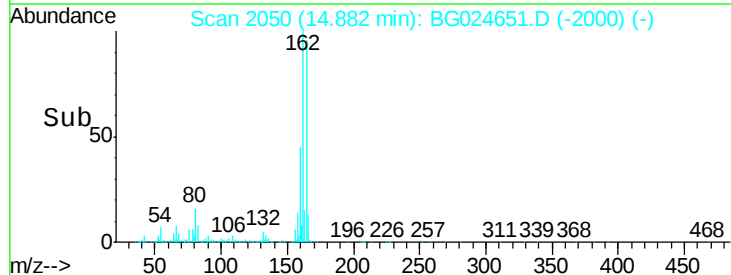
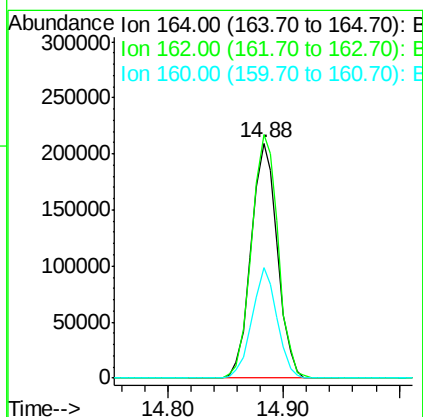
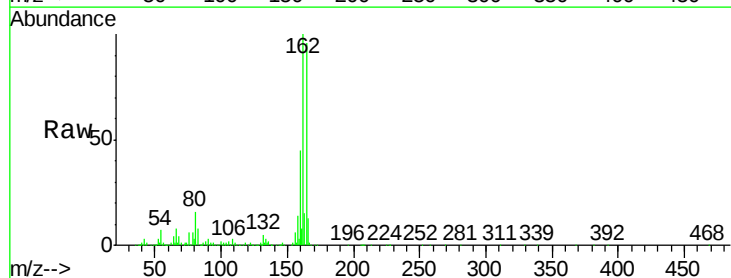
Instrument :
 BNA_G
 ClientSampleId :
 GW-88-7.6-20.0

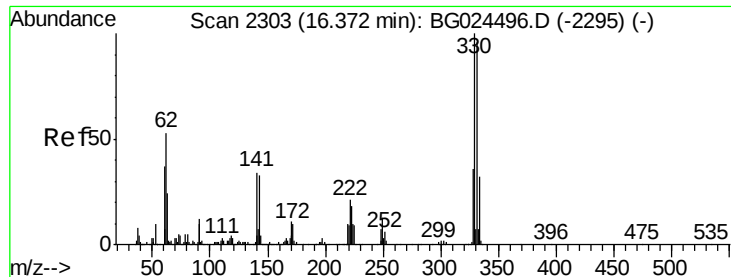
Tgt Ion	Ratio	Lower	Upper
142	100		
141	98.9	70.4	105.6
115	49.6	35.5	53.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.88 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BG024651.D
 Acq: 3 Nov 2016 13:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	85.1	127.7
160	47.1	34.7	52.1

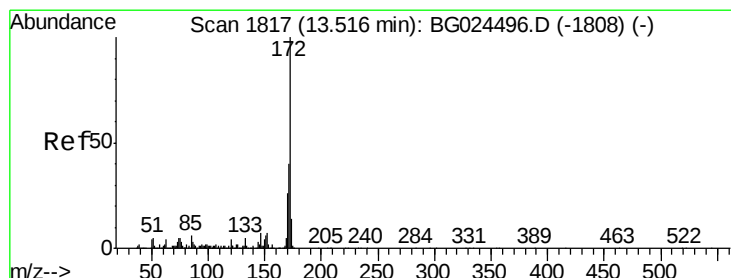
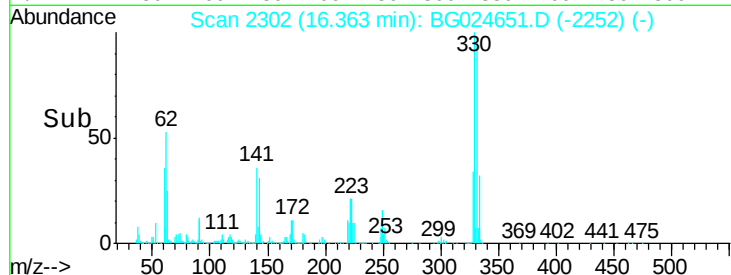
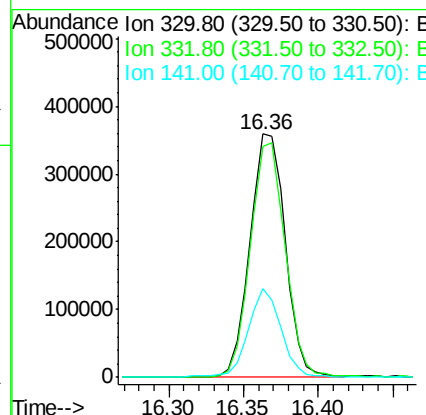
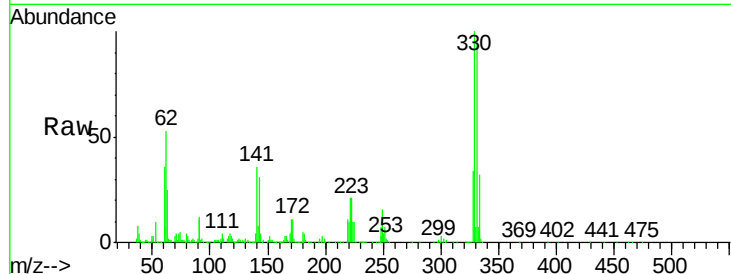




#41
2,4,6-Tribromophenol
Concen: 118.11 ng
RT: 16.36 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BG024651.D
Acq: 3 Nov 2016 13:51

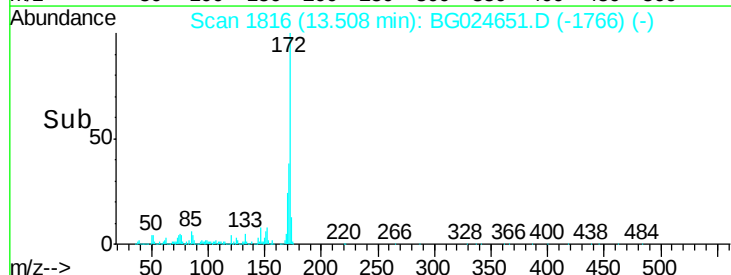
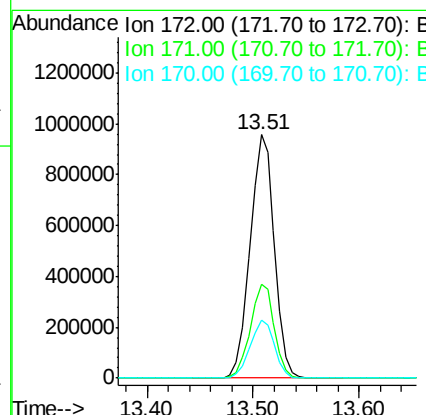
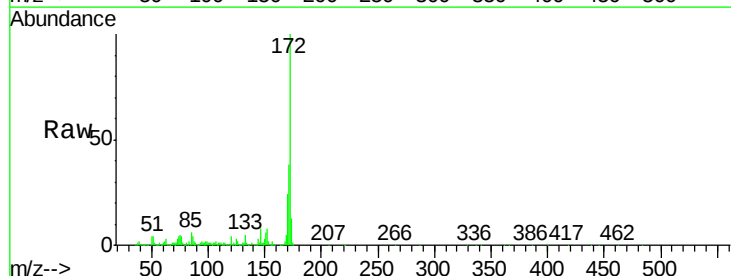
Instrument :
BNA_G
ClientSampleId :
GW-88-7.6-20.0

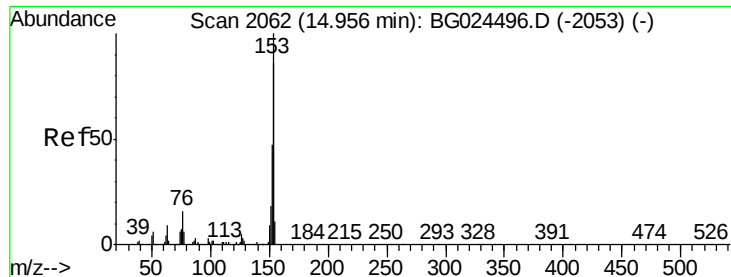
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.3	115.9
141	34.4	32.1	48.1



#44
2-Fluorobiphenyl
Concen: 76.09 ng
RT: 13.51 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BG024651.D
Acq: 3 Nov 2016 13:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	32.2	48.2
170	24.0	21.8	32.6





#51

Acenaphthene

Concen: 6.09 ng

RT: 14.95 min Scan# 2061

Delta R.T. -0.01 min

Lab File: BG024651.D

Acq: 3 Nov 2016 13:51

Instrument :

BNA_G

ClientSampleId :

GW-88-7.6-20.0

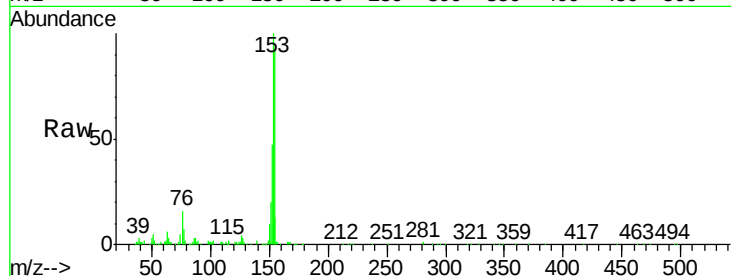
Tgt Ion:154 Resp: 122046

Ion Ratio Lower Upper

154 100

153 108.6 87.8 131.6

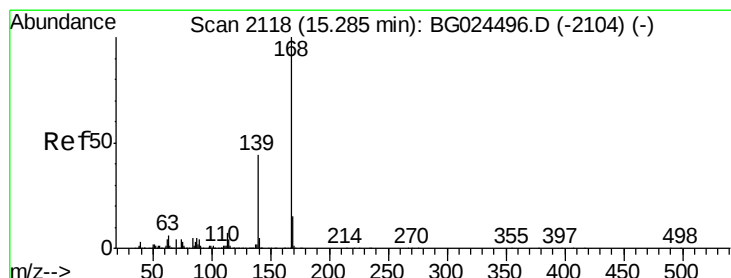
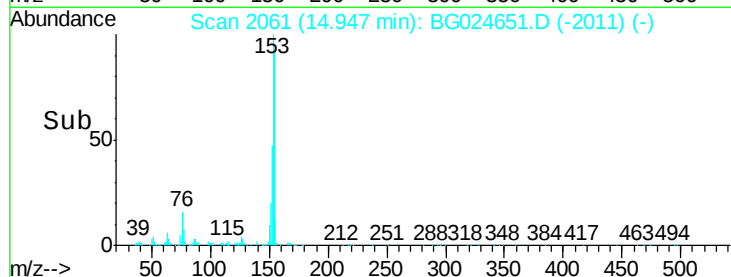
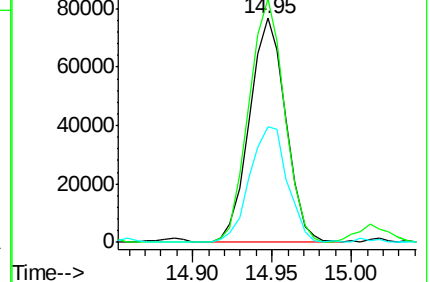
152 51.4 42.2 63.4



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: 9.12 ng

RT: 15.28 min Scan# 2117

Delta R.T. -0.01 min

Lab File: BG024651.D

Acq: 3 Nov 2016 13:51

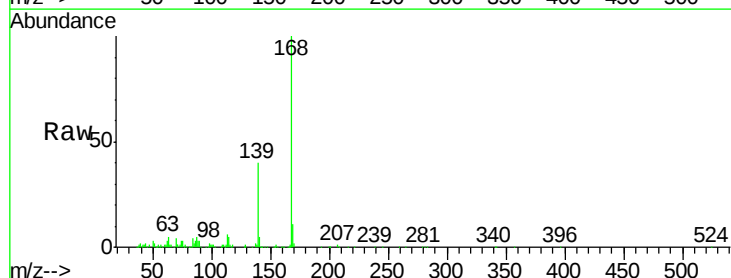
Tgt Ion:168 Resp: 252780

Ion Ratio Lower Upper

168 100

139 40.3 35.3 52.9

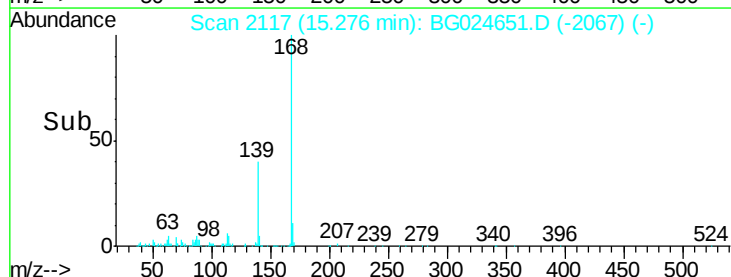
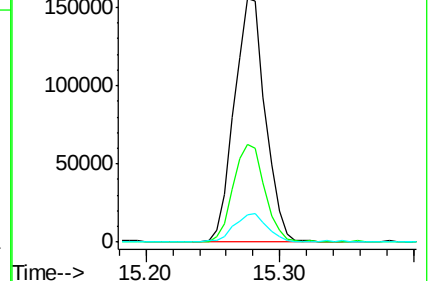
169 11.1 11.5 17.3#

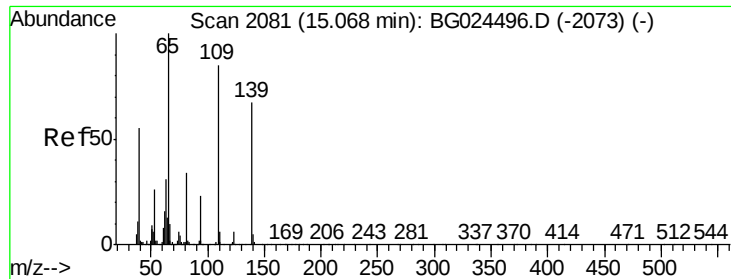


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 22.73 ng

RT: 15.28 min Scan# 2117

Delta R.T. 0.21 min

Lab File: BG024651.D

Acq: 3 Nov 2016 13:51

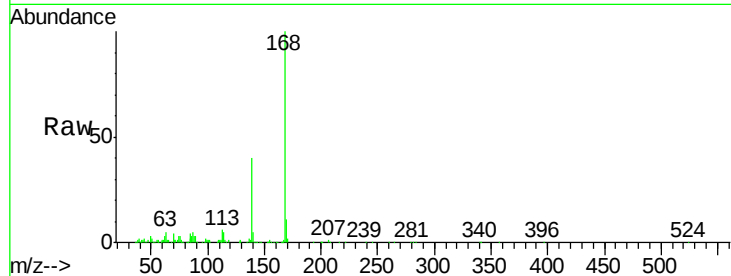
Instrument :

BNA_G

ClientSampleId :

GW-88-7.6-20.0

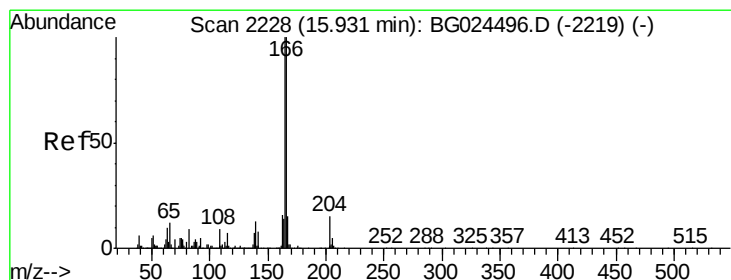
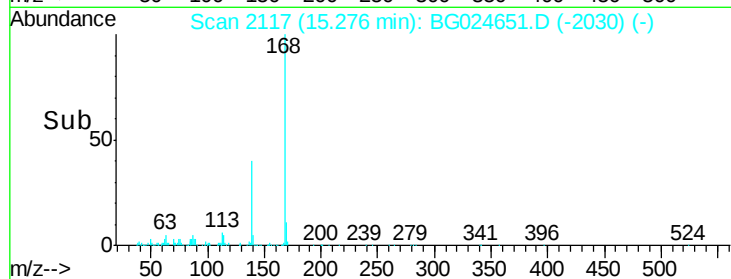
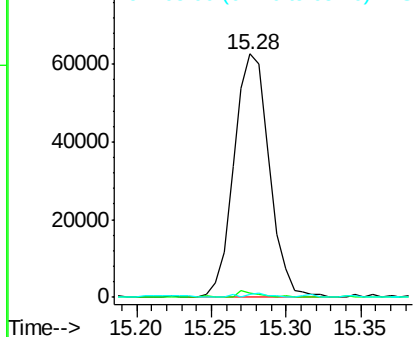
Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.6	101.2	141.2#
65	1.3	135.3	175.3#



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): B



#57

Fluorene

Concen: 2.02 ng

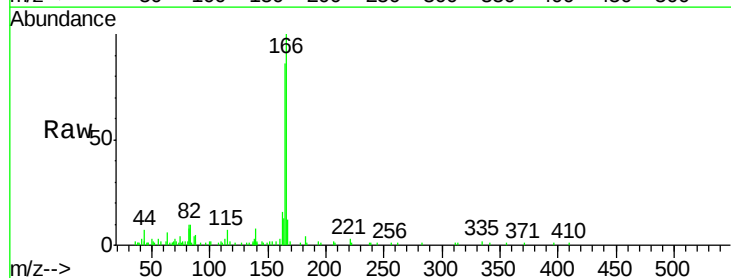
RT: 15.93 min Scan# 2228

Delta R.T. -0.00 min

Lab File: BG024651.D

Acq: 3 Nov 2016 13:51

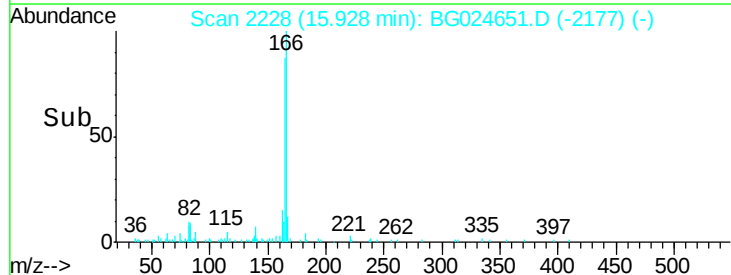
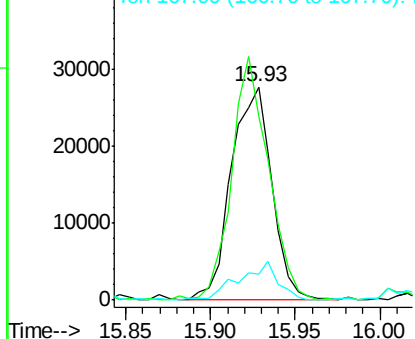
Tgt Ion	Ratio	Lower	Upper
166	100		
165	86.1	78.6	117.8
167	12.1	11.6	17.4

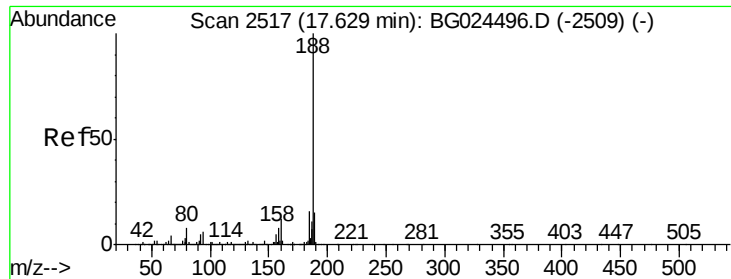


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

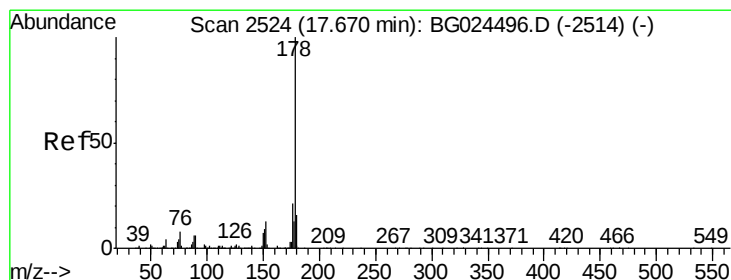
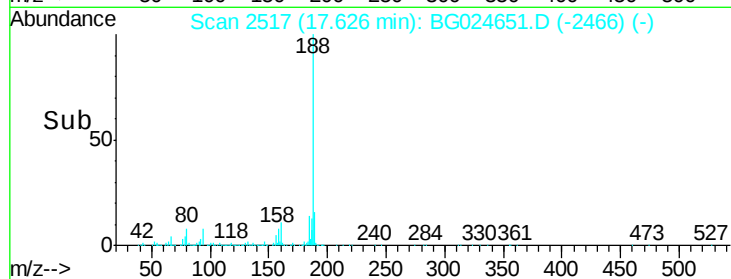
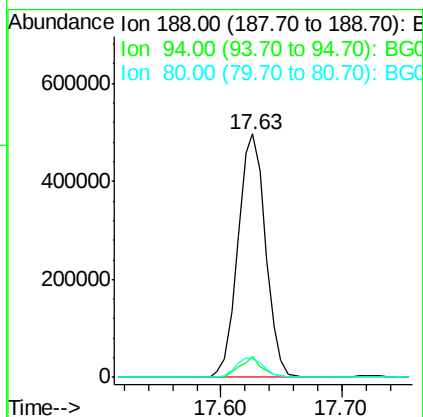
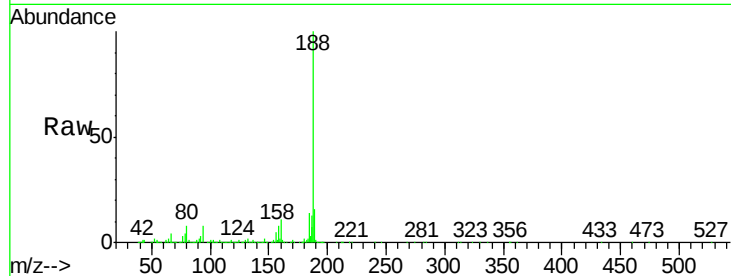




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.63 min Scan# 2517
Delta R.T. -0.00 min
Lab File: BG024651.D
Acq: 3 Nov 2016 13:51

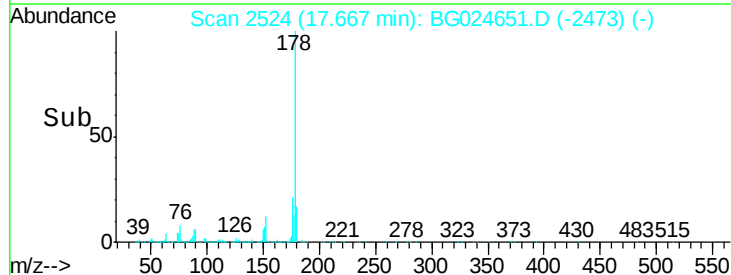
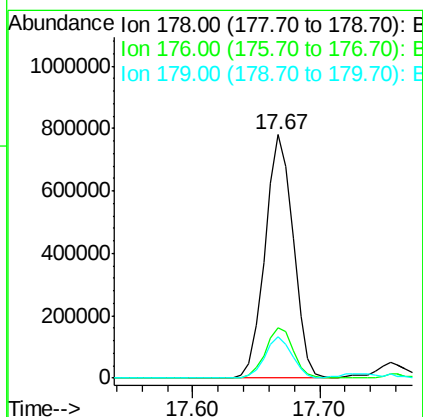
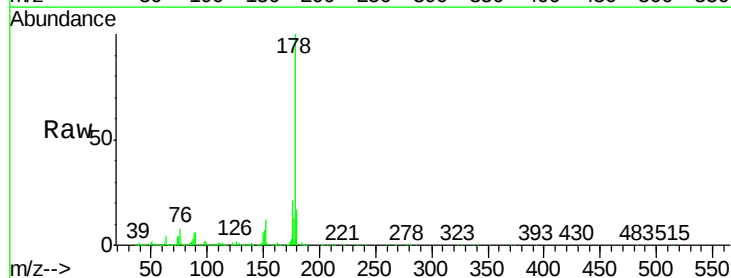
Instrument :
BNA_G
ClientSampleId :
GW-88-7.6-20.0

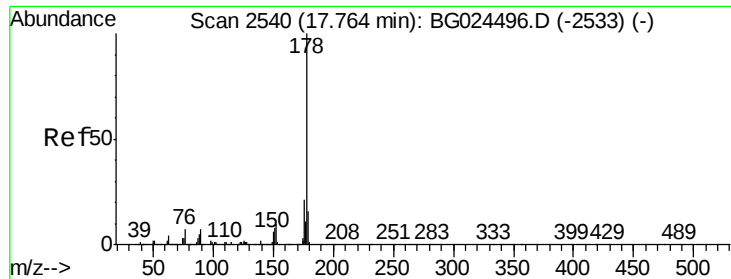
Tgt Ion:188 Resp: 792499
Ion Ratio Lower Upper
188 100
94 8.4 5.8 8.8
80 7.7 7.5 11.3



#70
Phenanthrene
Concen: 29.85 ng
RT: 17.67 min Scan# 2524
Delta R.T. -0.00 min
Lab File: BG024651.D
Acq: 3 Nov 2016 13:51

Tgt Ion:178 Resp: 1205934
Ion Ratio Lower Upper
178 100
176 20.6 17.7 26.5
179 16.9 15.0 22.6





#71

Anthracene

Concen: 29.59 ng

RT: 17.67 min Scan# 2524

Delta R.T. -0.10 min

Lab File: BG024651.D

Acq: 3 Nov 2016 13:51

Instrument :

BNA_G

ClientSampleId :

GW-88-7.6-20.0

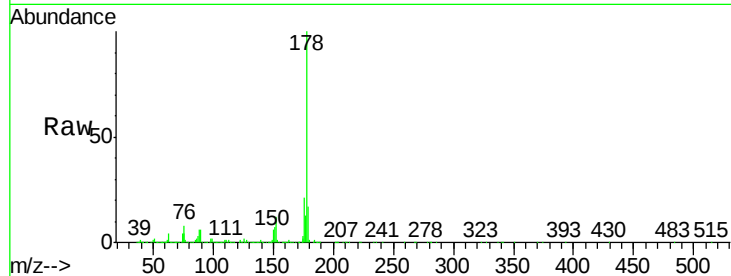
Tgt Ion:178 Resp: 1205934

Ion Ratio Lower Upper

178 100

176 20.6 16.4 24.6

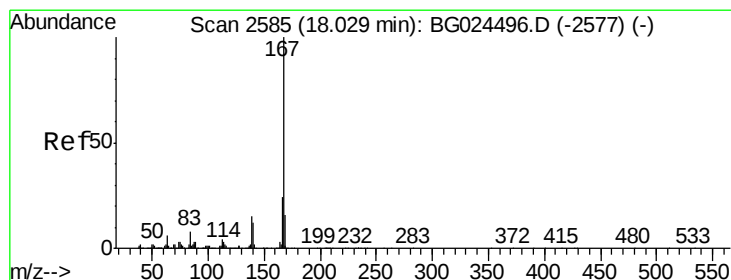
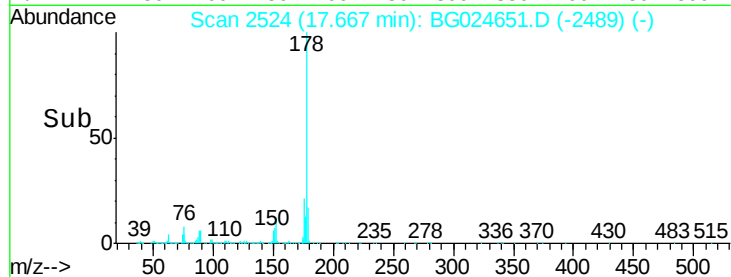
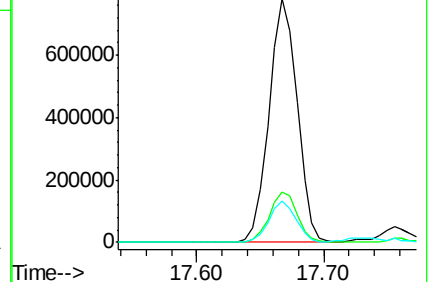
179 16.9 13.8 20.8



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: 2.16 ng

RT: 18.03 min Scan# 2585

Delta R.T. -0.00 min

Lab File: BG024651.D

Acq: 3 Nov 2016 13:51

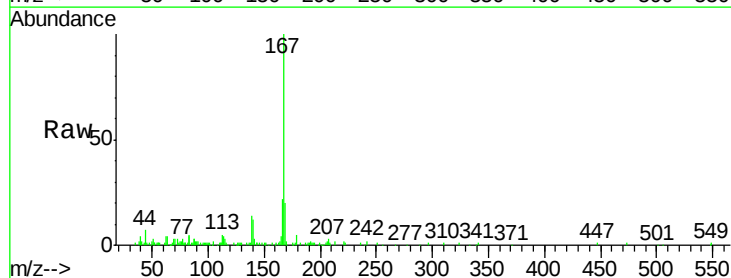
Tgt Ion:167 Resp: 80314

Ion Ratio Lower Upper

167 100

166 22.1 20.2 30.2

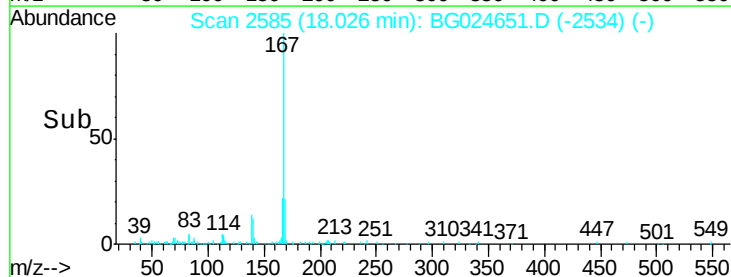
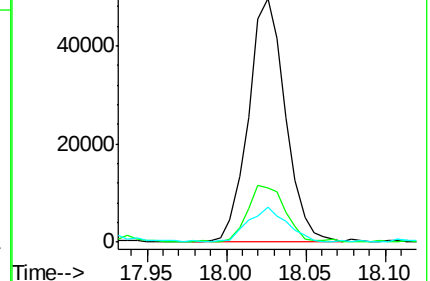
139 14.2 12.8 19.2

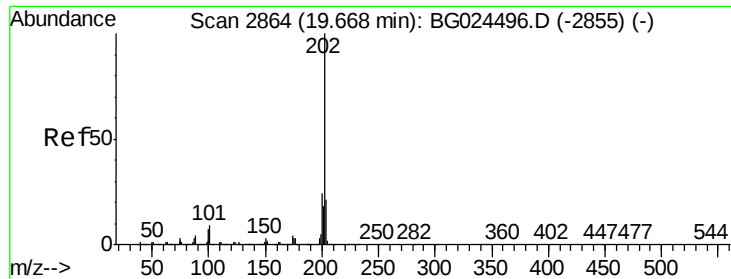


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 7.86 ng

RT: 19.66 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG024651.D

Acq: 3 Nov 2016 13:51

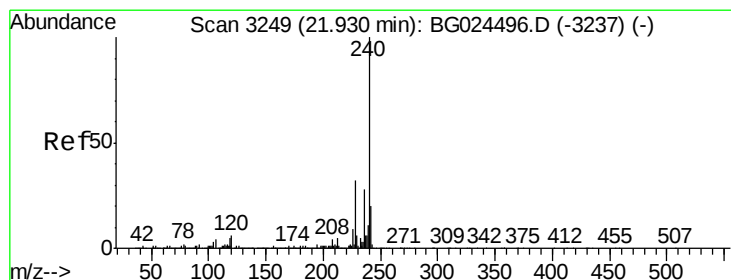
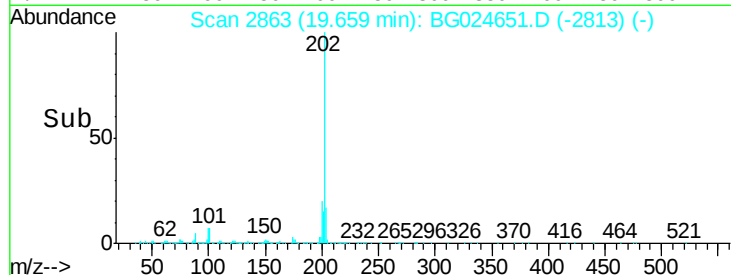
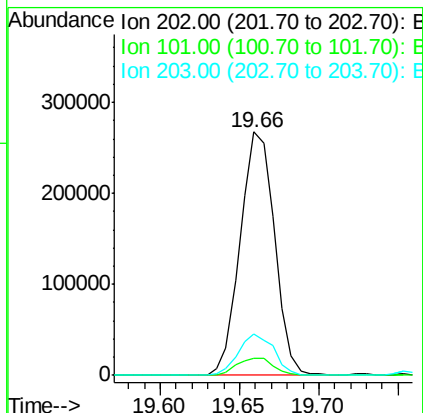
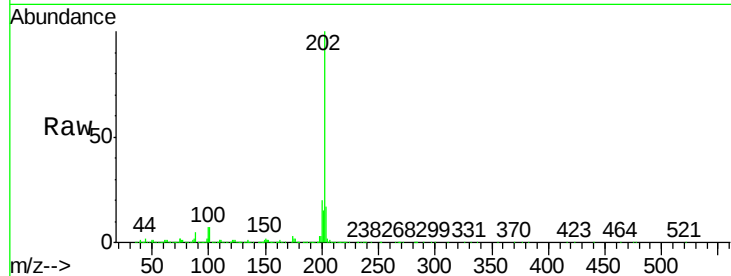
Instrument :

BNA_G

ClientSampleId :

GW-88-7.6-20.0

Tgt Ion:	202	Resp:	401606
Ion Ratio	Lower	Upper	
202	100		
101	7.1	0.0	30.1
203	16.9	1.3	41.3



#75

Chrysene-d12

Concen: 20.00 ng

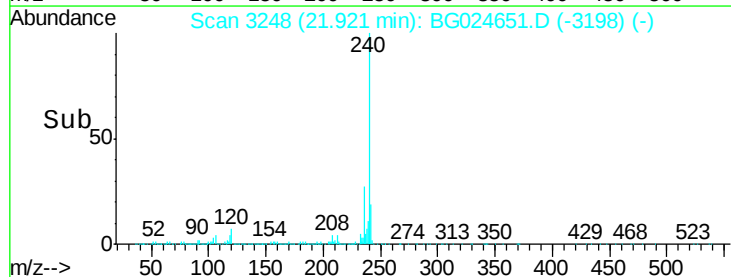
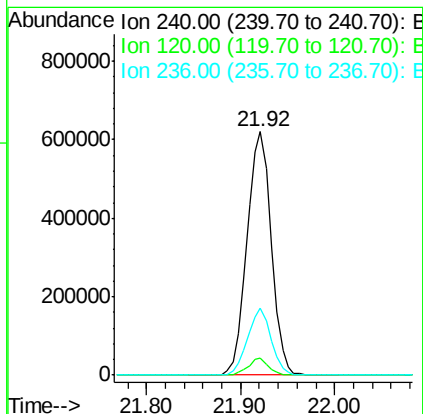
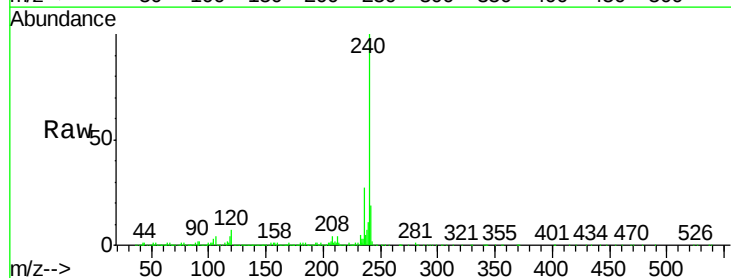
RT: 21.92 min Scan# 3248

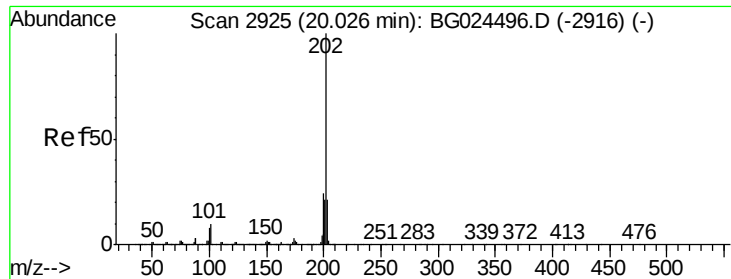
Delta R.T. -0.01 min

Lab File: BG024651.D

Acq: 3 Nov 2016 13:51

Tgt Ion:	240	Resp:	1103648
Ion Ratio	Lower	Upper	
240	100		
120	6.9	5.7	8.5
236	27.3	22.2	33.4





#77

Pyrene

Concen: 4.79 ng

RT: 20.02 min Scan# 2925

Delta R.T. -0.00 min

Lab File: BG024651.D

Acq: 3 Nov 2016 13:51

Instrument :

BNA_G

ClientSampleId :

GW-88-7.6-20.0

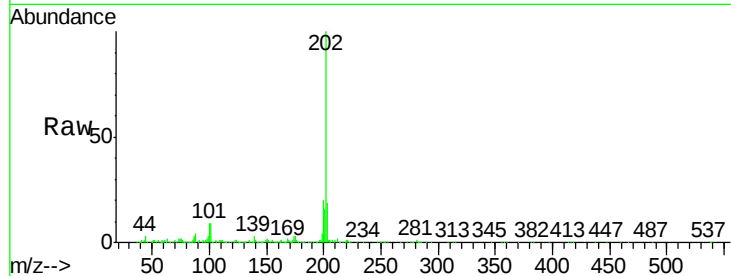
Tgt Ion:202 Resp: 258250

Ion Ratio Lower Upper

202 100

200 20.4 19.6 29.4

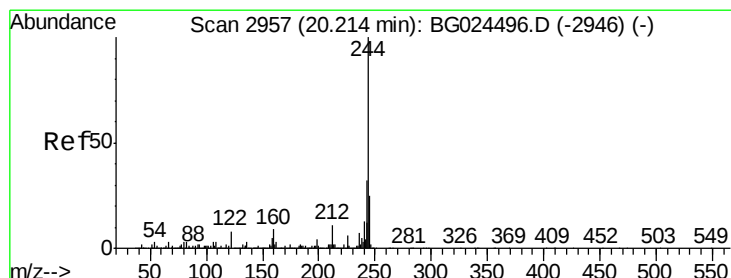
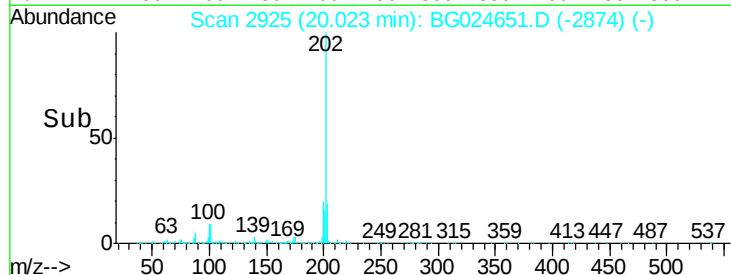
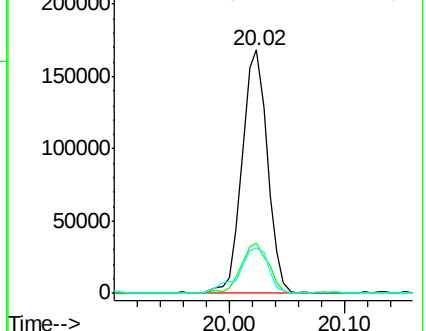
203 18.8 15.8 23.8



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: 65.04 ng

RT: 20.21 min Scan# 2956

Delta R.T. -0.01 min

Lab File: BG024651.D

Acq: 3 Nov 2016 13:51

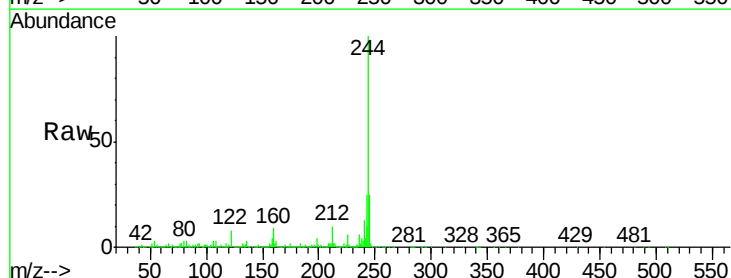
Tgt Ion:244 Resp: 2402097

Ion Ratio Lower Upper

244 100

212 10.3 10.0 15.0

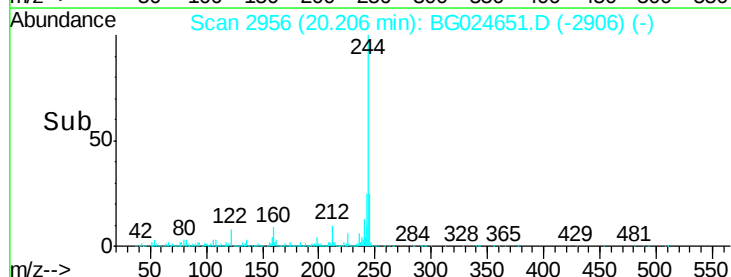
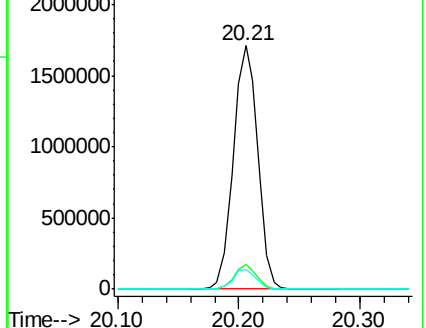
122 8.1 8.6 12.8#

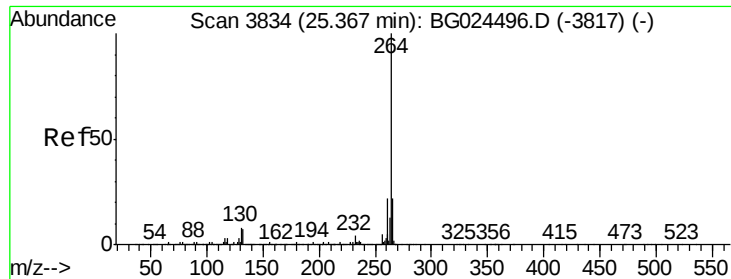


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.35 min Scan# 3832
Delta R.T. -0.01 min
Lab File: BG024651.D
Acq: 3 Nov 2016 13:51

Instrument :
BNA_G
ClientSampleId :
GW-88-7.6-20.0

Tgt Ion:264 Resp: 1136170

Ion	Ratio	Lower	Upper
264	100		
260	23.9	21.8	32.8
265	20.6	18.2	27.4

