

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
 Data File : BG019996.D
 Acq On : 8 Dec 2015 00:46
 Operator : UM/NP
 Sample : G4676-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-11C

Quant Time: Dec 08 16:18:03 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 18:50:01 2015
 Response via : Initial Calibration

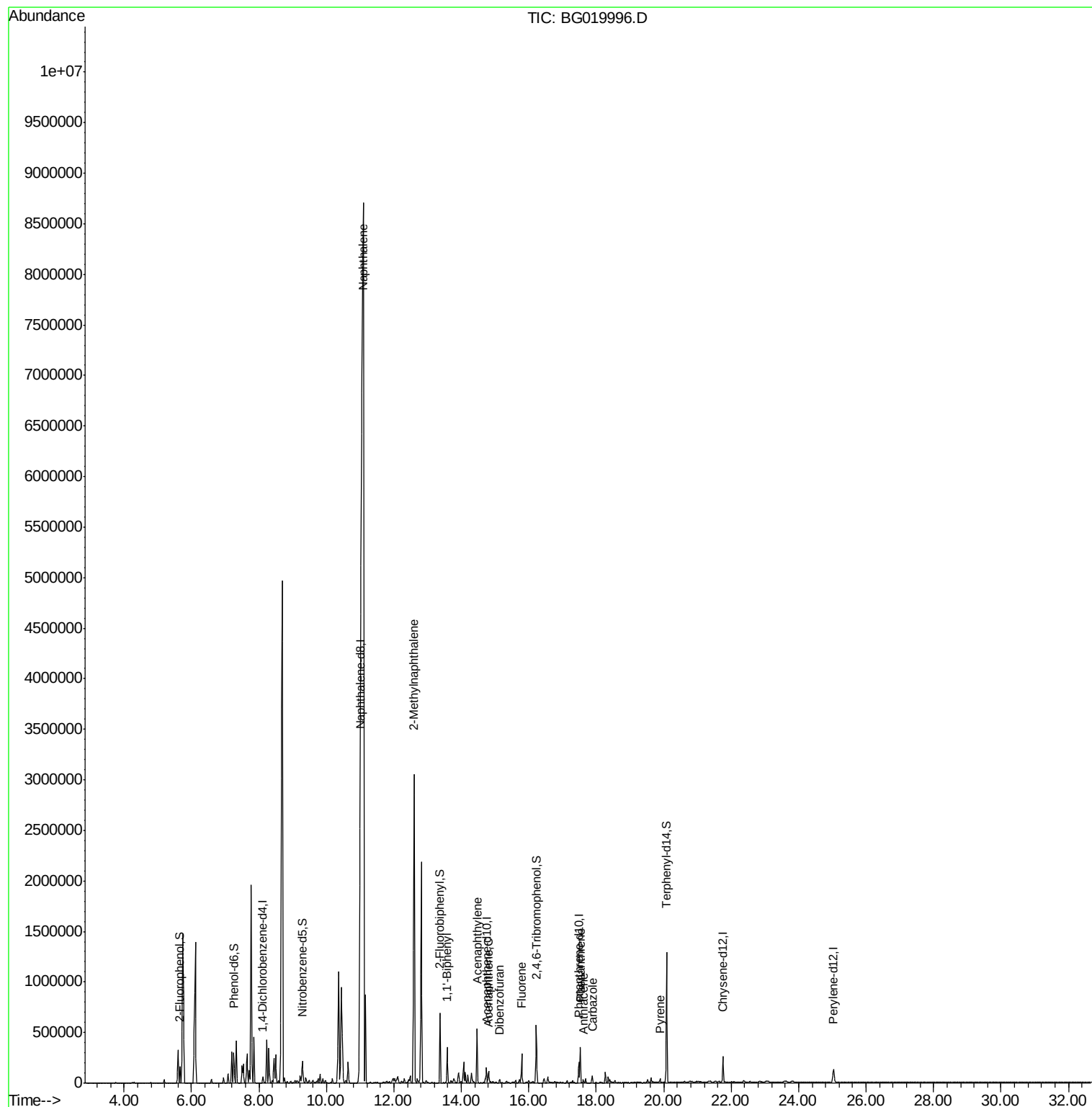
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	16690	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	72411	20.00	ng	0.04
38) Acenaphthene-d10	14.74	164	50511	20.00	ng	-0.02
63) Phenanthrene-d10	17.49	188	127679	20.00	ng	-0.02
75) Chrysene-d12	21.76	240	157913	20.00	ng	-0.03
86) Perylene-d12	25.04	264	147032	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	67000	72.55	ng	-0.01
7) Phenol-d6	7.26	99	59534	42.70	ng	-0.01
23) Nitrobenzene-d5	9.28	82	145826	102.78	ng	-0.02
41) 2,4,6-Tribromophenol	16.22	330	105974	137.12	ng	-0.02
44) 2-Fluorobiphenyl	13.37	172	343240	92.78	ng	-0.02
78) Terphenyl-d14	20.08	244	578401	89.34	ng	-0.03
Target Compounds						
31) Naphthalene	11.10	128	12225998	3151.73	ng	# 32
37) 2-Methylnaphthalene	12.60	142	1473987	518.50	ng	# 94
45) 1,1'-Biphenyl	13.58	154	184076	44.41	ng	99
48) Acenaphthylene	14.47	152	355269	65.28	ng	98
51) Acenaphthene	14.80	154	41628	12.61	ng	96
54) Dibenzofuran	15.14	168	14552	2.96	ng	# 93
57) Fluorene	15.79	166	136031	30.93	ng	99
70) Phenanthrene	17.53	178	224690	31.10	ng	95
71) Anthracene	17.62	178	25264	3.43	ng	97
72) Carbazole	17.88	167	42691	6.59	ng	99
77) Pyrene	19.89	202	20791	2.24	ng	97

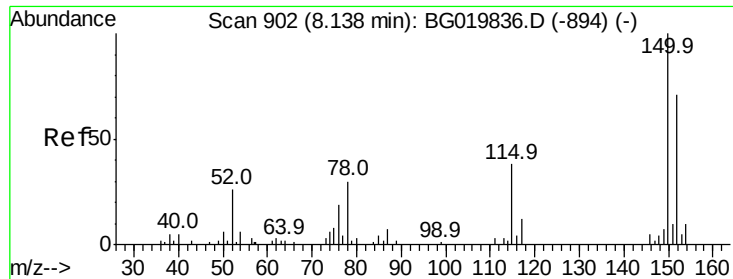
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
Data File : BG019996.D
Acq On : 8 Dec 2015 00:46
Operator : UM/NP
Sample : G4676-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-11C

Quant Time: Dec 08 16:18:03 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 898

Delta R.T. -0.02 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

MW-11C

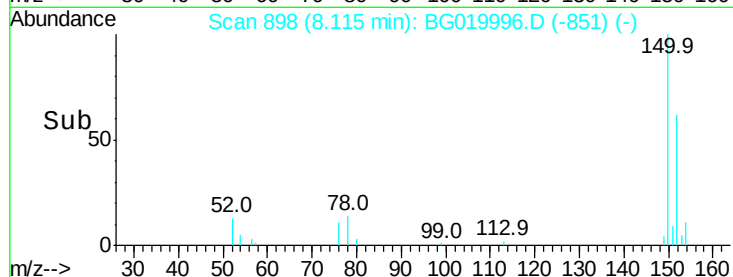
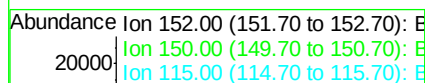
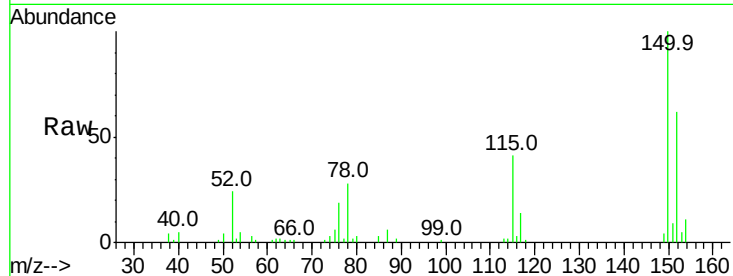
Tot Ion:152 Resp: 16690

Ion Ratio Lower Upper

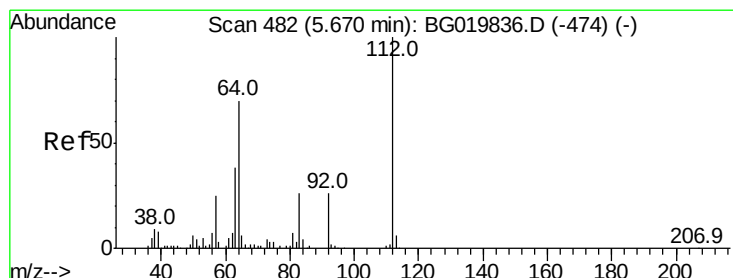
152 100

150 160.1 115.0 172.4

115 65.3 43.9 65.9



Time-->



#5

2-Fluorophenol

Concen: 72.55 ng

RT: 5.66 min Scan# 480

Delta R.T. -0.01 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

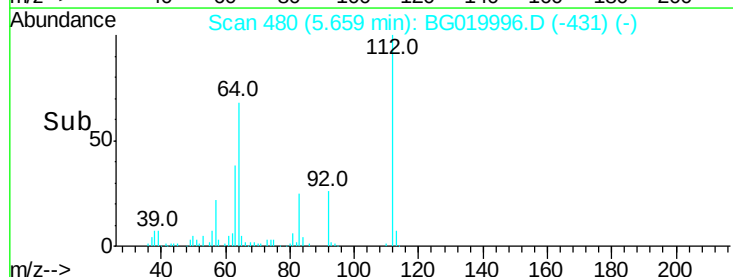
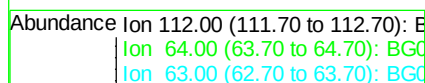
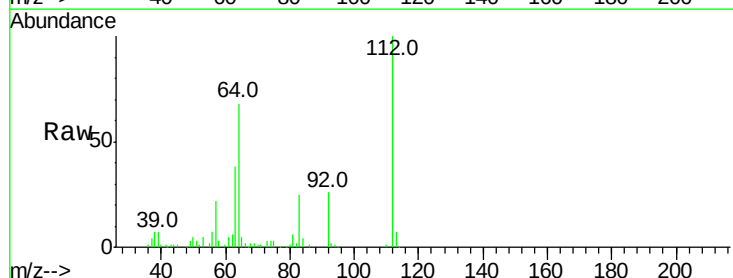
Tgt Ion:112 Resp: 67000

Ion Ratio Lower Upper

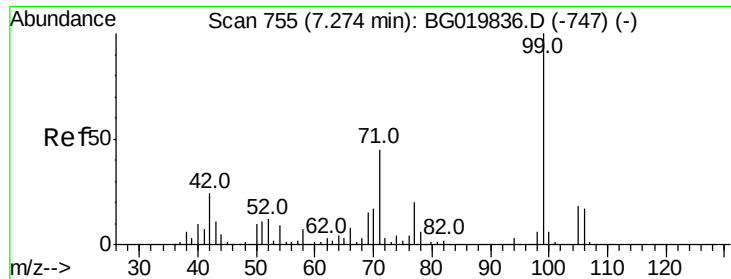
112 100

64 68.4 43.7 65.5#

63 38.4 24.0 36.0#



Time-->



#7

Phenol-d6

Concen: 42.70 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

MW-11C

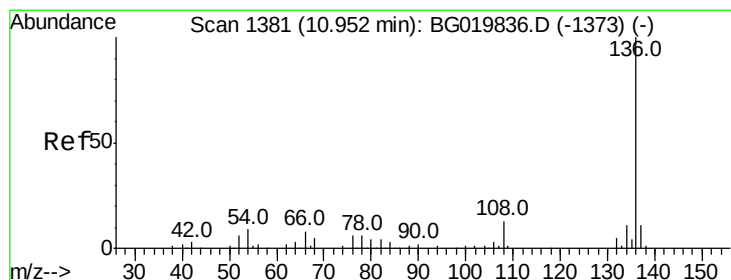
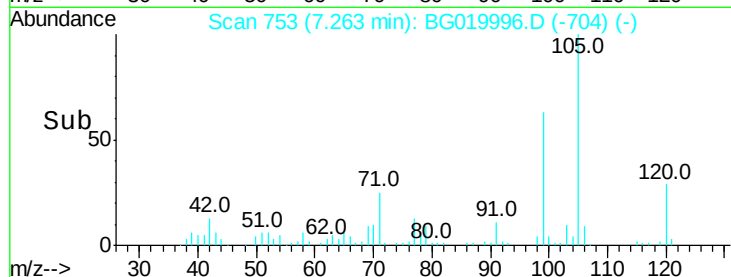
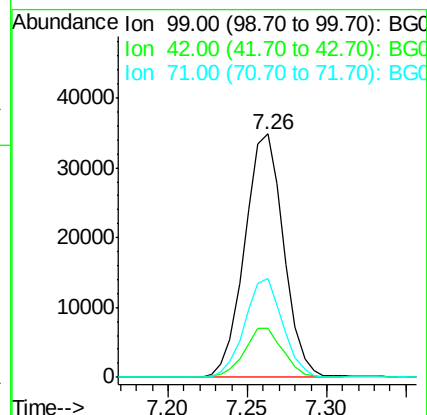
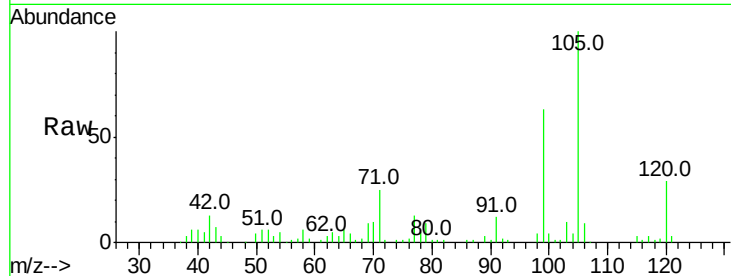
Tot Ion: 99 Resp: 59534

Ion Ratio Lower Upper

99 100

42 20.1 11.5 17.3#

71 40.4 22.6 34.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.99 min Scan# 1388

Delta R.T. 0.04 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Tgt Ion: 136 Resp: 72411

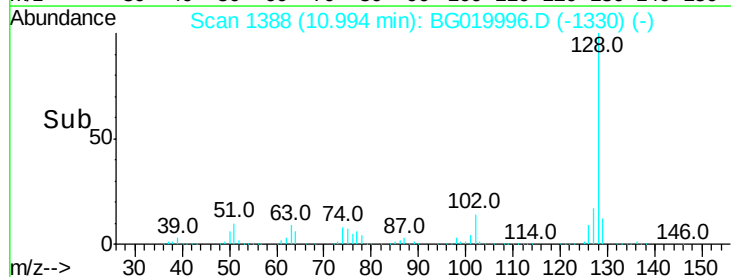
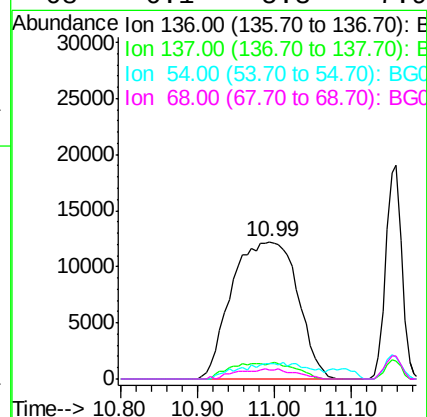
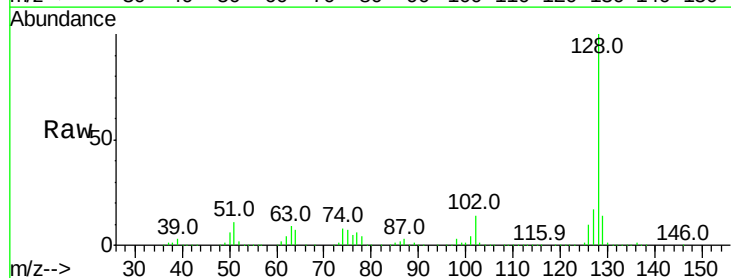
Ion Ratio Lower Upper

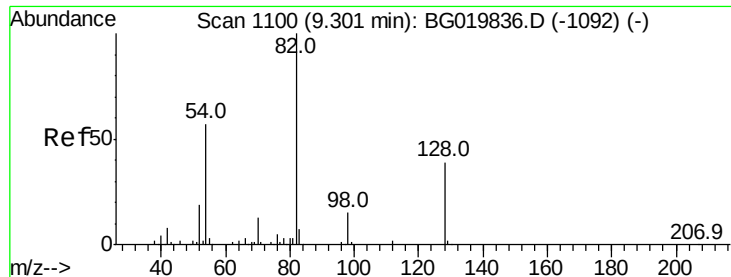
136 100

137 11.4 8.6 12.8

54 11.6 5.4 8.2#

68 6.1 5.3 7.9

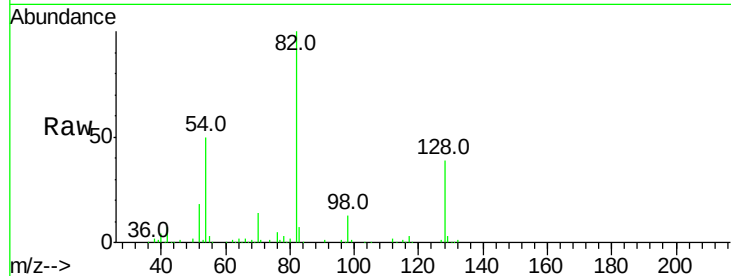




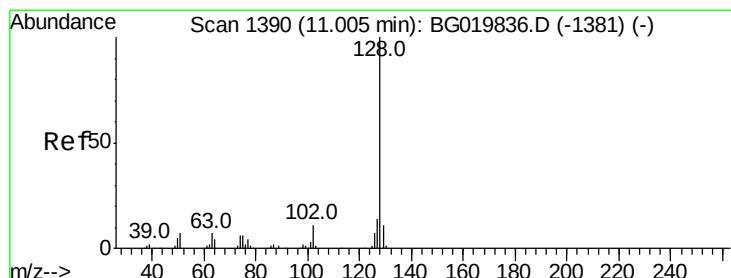
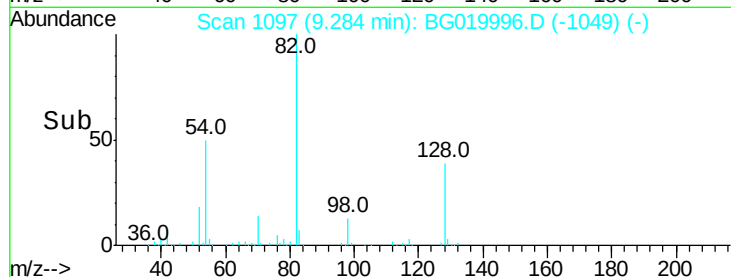
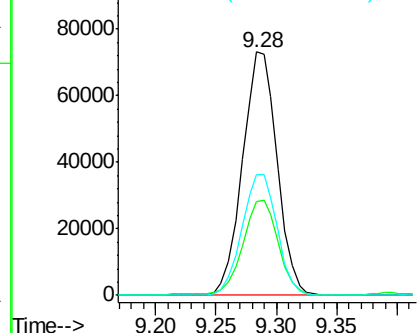
#23
 Nitrobenzene-d5
 Concen: 102.78 ng
 RT: 9.28 min Scan# 1097
 Delta R.T. -0.02 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

Instrument :
 BNA_G
 ClientSampleID :
 MW-11C

Tot Ion: 82 Resp: 145826
 Ion Ratio Lower Upper
 82 100
 128 38.7 36.7 55.1
 54 49.8 33.8 50.8

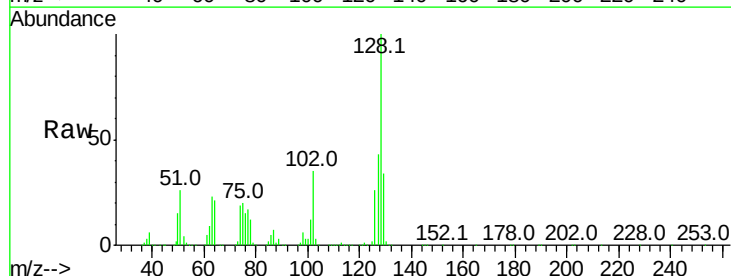


Abundance Ion 82.00 (81.70 to 82.70): BG019836.D (-1092) (-)
 Ion 128.00 (127.70 to 128.70): BG019836.D (-1092) (-)
 Ion 54.00 (53.70 to 54.70): BG019836.D (-1092) (-)

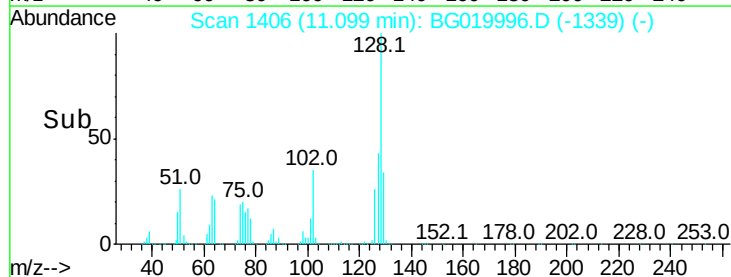
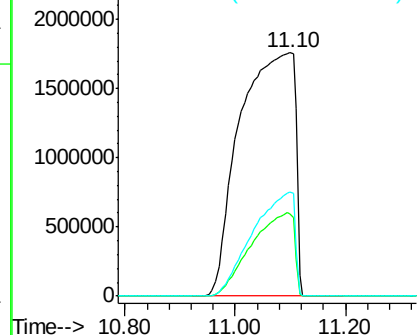


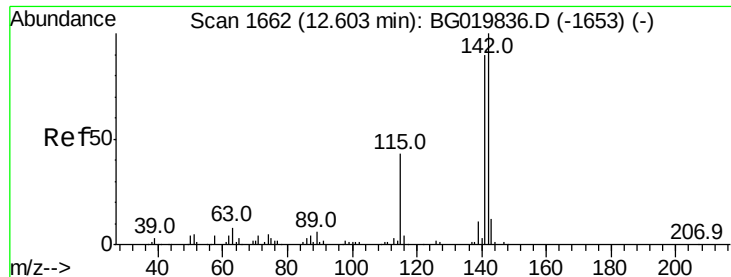
#31
 Naphthalene
 Concen: 3151.73 ng
 RT: 11.10 min Scan# 1406
 Delta R.T. 0.09 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

Tgt Ion:128 Resp:12225998
 Ion Ratio Lower Upper
 128 100
 129 33.9 8.5 12.7#
 127 42.6 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): BG019836.D (-1381) (-)
 Ion 129.00 (128.70 to 129.70): BG019836.D (-1381) (-)
 Ion 127.00 (126.70 to 127.70): BG019836.D (-1381) (-)

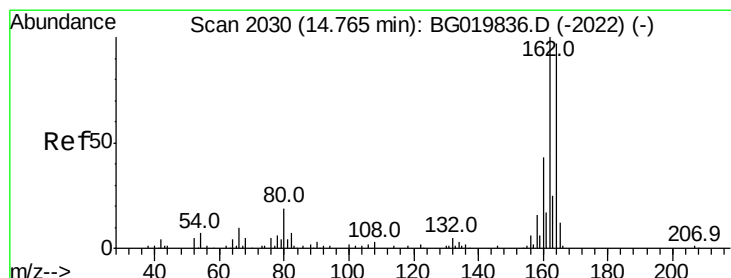
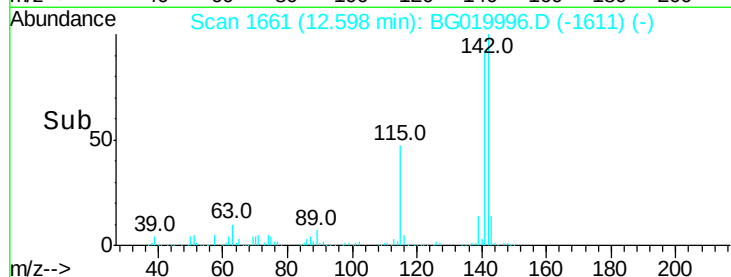
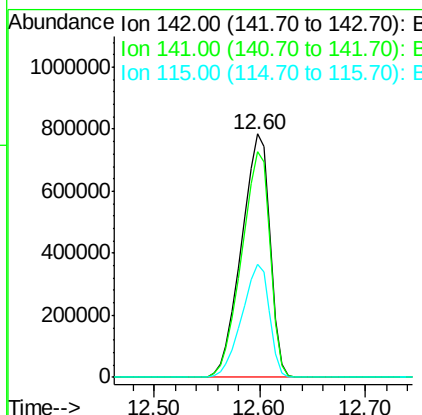
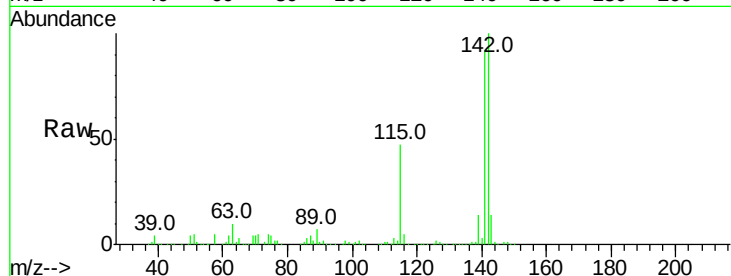




#37
2-Methylnaphthalene
Concen: 518.50 ng
RT: 12.60 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BG019996.D
Acq: 8 Dec 2015 00:46

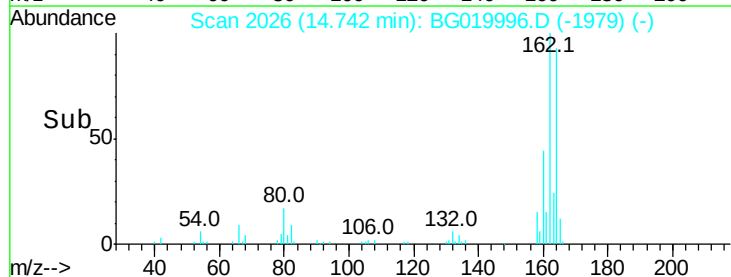
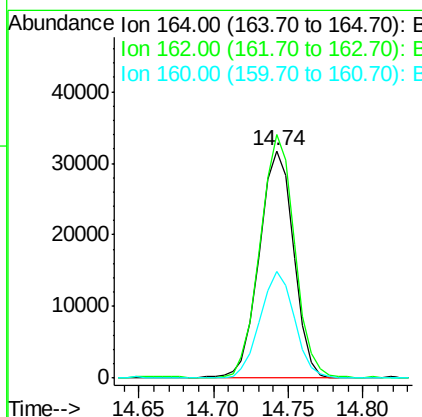
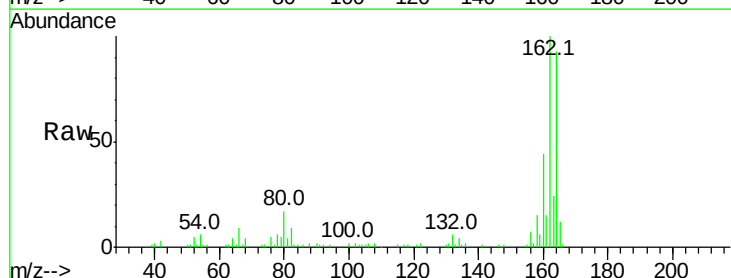
Instrument :
BNA_G
ClientSampleId :
MW-11C

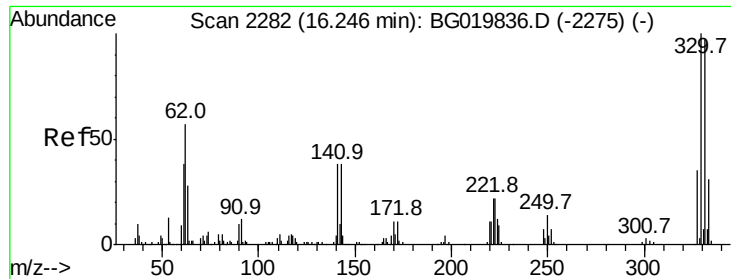
Tot Ion:142 Resp: 1473987
Ion Ratio Lower Upper
142 100
141 92.5 74.6 112.0
115 46.7 27.4 41.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BG019996.D
Acq: 8 Dec 2015 00:46

Tgt Ion:164 Resp: 50511
Ion Ratio Lower Upper
164 100
162 107.2 78.8 118.2
160 47.0 36.4 54.6





#41

2,4,6-Tribromophenol

Concen: 137.12 ng

RT: 16.22 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Instrument :

BNA_G

ClientSampled :

MW-11C

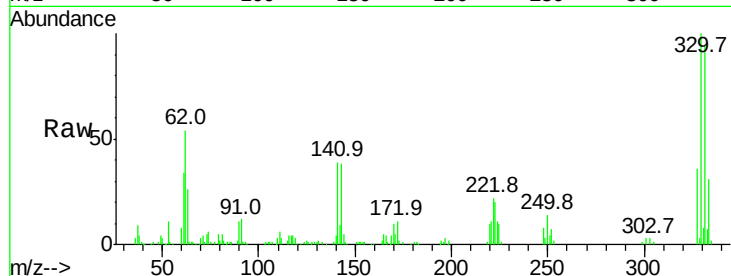
Tot Ion:330 Resp: 105974

Ion Ratio Lower Upper

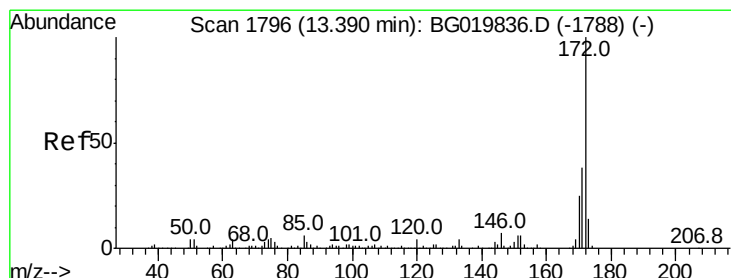
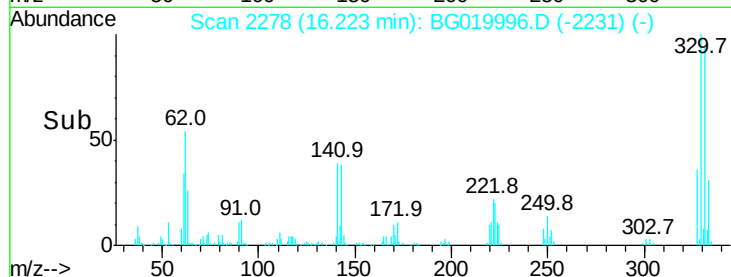
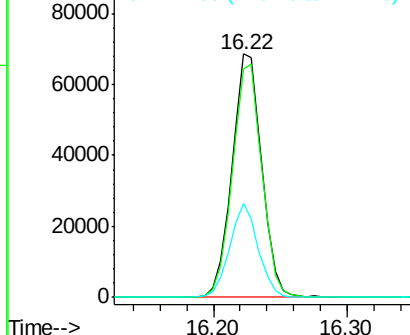
330 100

332 94.9 78.1 117.1

141 37.2 28.2 42.2



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: 92.78 ng

RT: 13.37 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

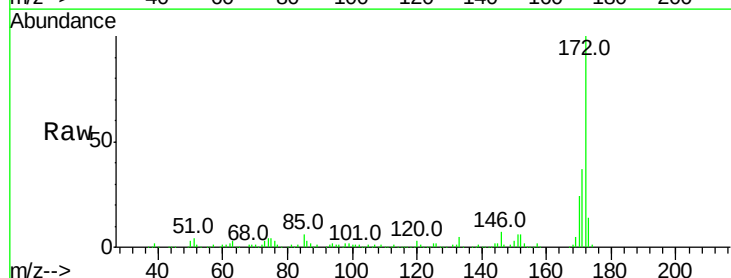
Tgt Ion:172 Resp: 343240

Ion Ratio Lower Upper

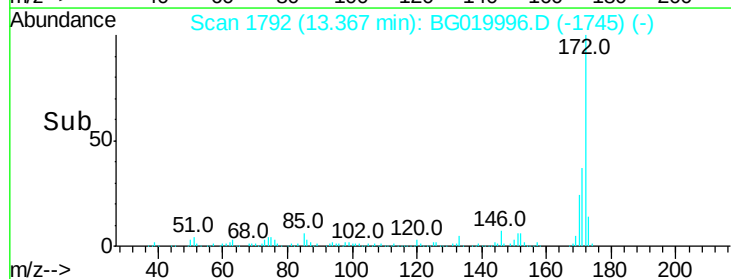
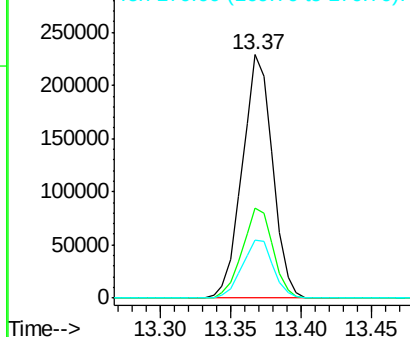
172 100

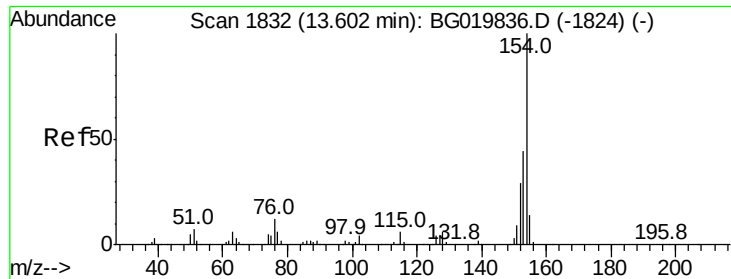
171 36.9 29.0 43.6

170 24.1 19.9 29.9



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





#45

1,1'-Biphenyl

Concen: 44.41 ng

RT: 13.58 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

MW-11C

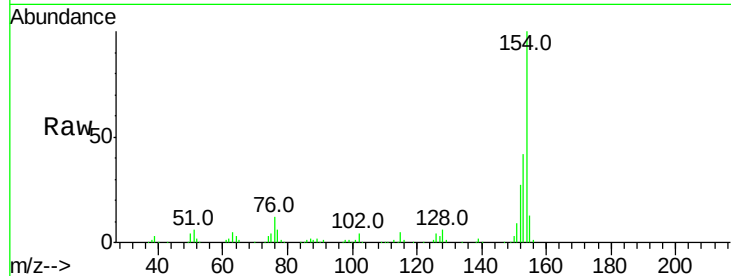
Tot Ion:154 Resp: 184076

Ion Ratio Lower Upper

154 100

153 42.2 21.9 61.9

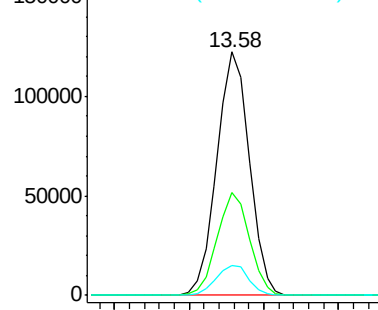
76 12.2 0.0 33.2



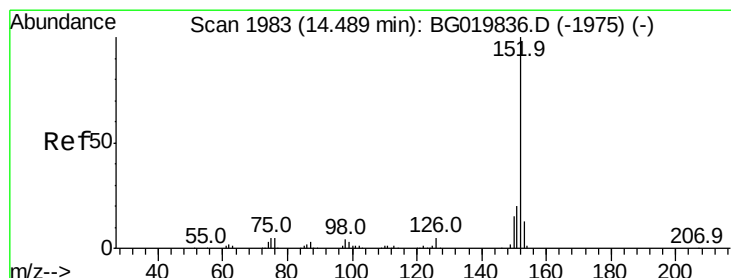
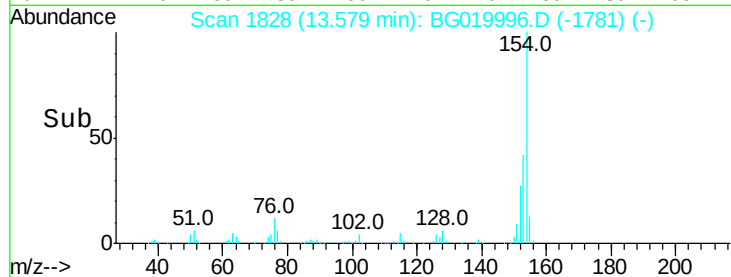
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B



Time-->



#48

Acenaphthylene

Concen: 65.28 ng

RT: 14.47 min Scan# 1979

Delta R.T. -0.02 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

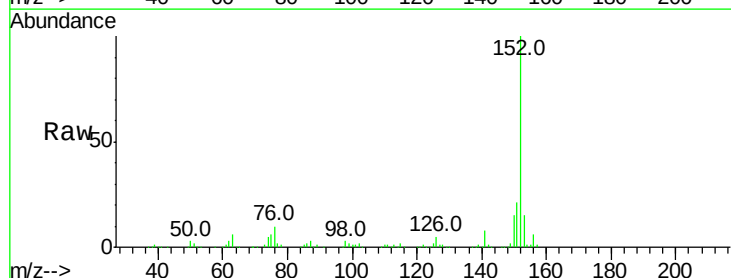
Tgt Ion:152 Resp: 355269

Ion Ratio Lower Upper

152 100

151 21.0 17.0 25.4

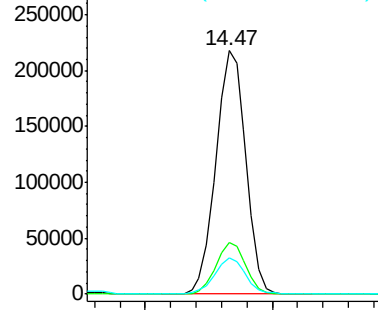
153 14.9 10.4 15.6



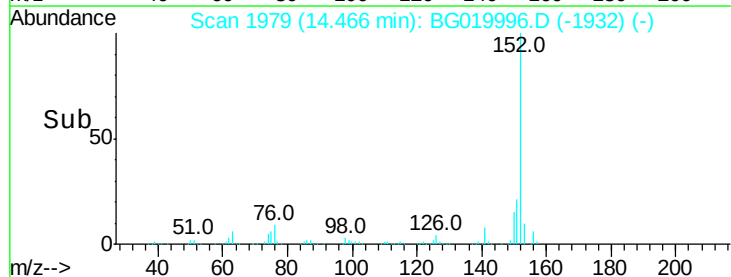
Abundance Ion 152.00 (151.70 to 152.70): E

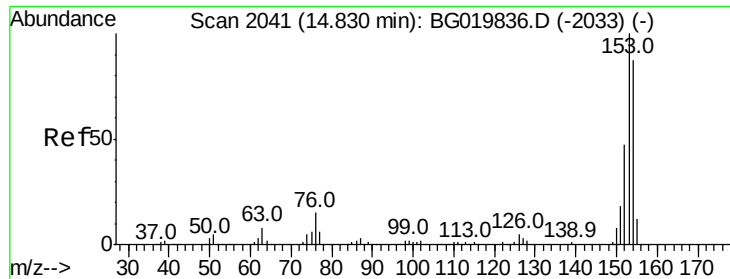
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->





#51

Acenaphthene

Concen: 12.61 ng

RT: 14.80 min Scan# 2036

Delta R.T. -0.03 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

MW-11C

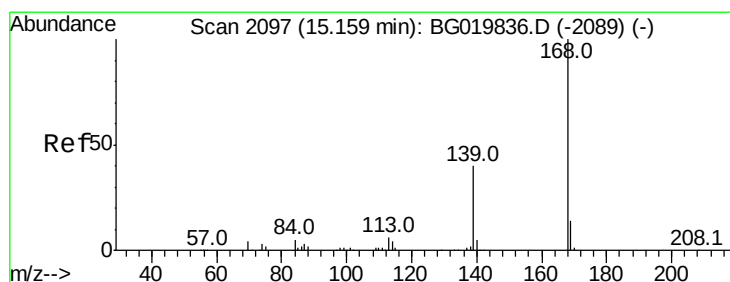
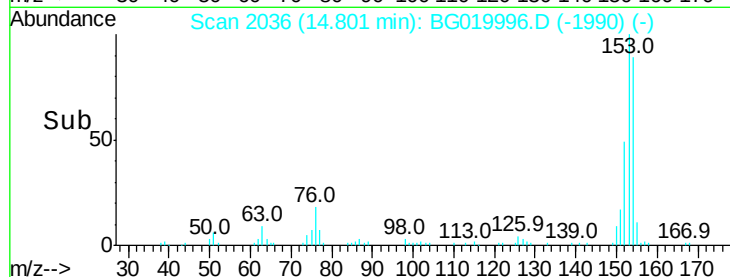
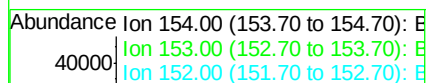
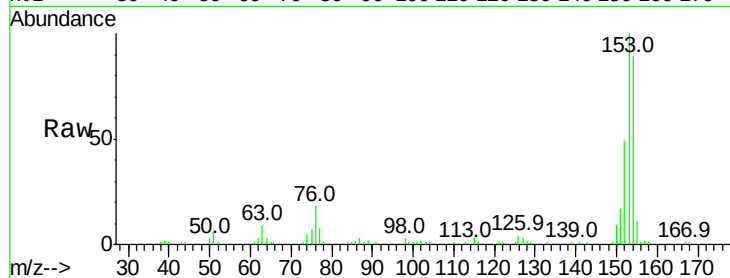
Tot Ion:154 Resp: 41628

Ion Ratio Lower Upper

154 100

153 112.0 92.9 139.3

152 54.7 45.8 68.8



#54

Dibenzofuran

Concen: 2.96 ng

RT: 15.14 min Scan# 2093

Delta R.T. -0.02 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

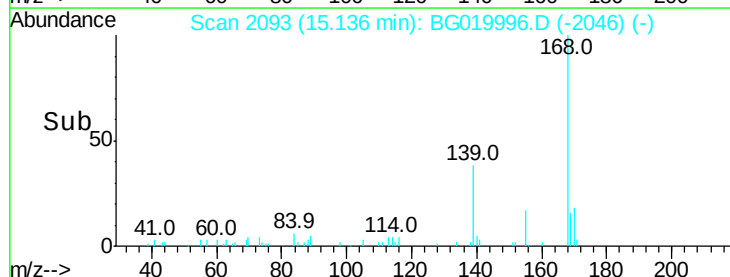
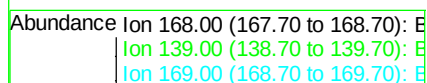
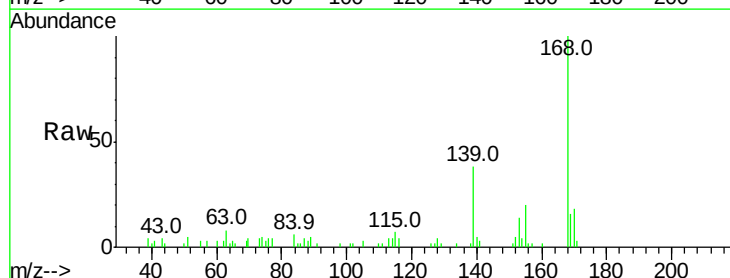
Tgt Ion:168 Resp: 14552

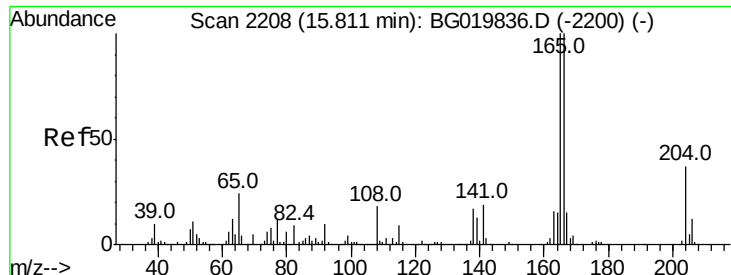
Ion Ratio Lower Upper

168 100

139 38.1 27.4 41.0

169 16.5 11.0 16.4#

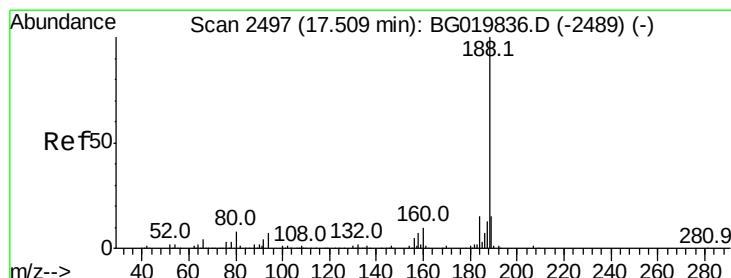
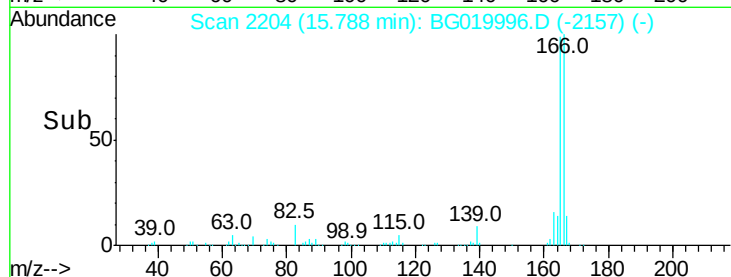
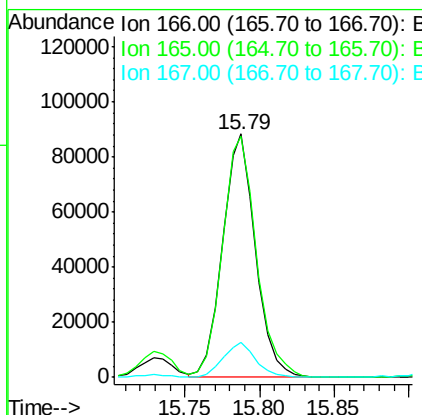
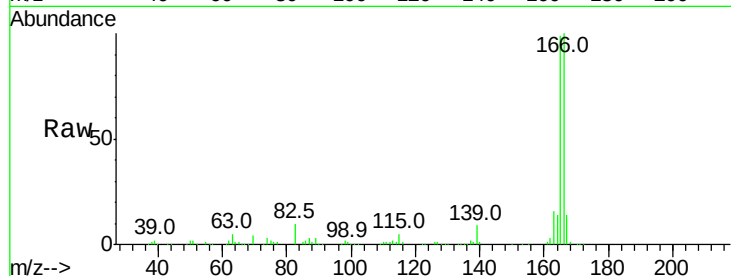




#57
Fluorene
 Concen: 30.93 ng
 RT: 15.79 min Scan# 2204
 Delta R.T. -0.02 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

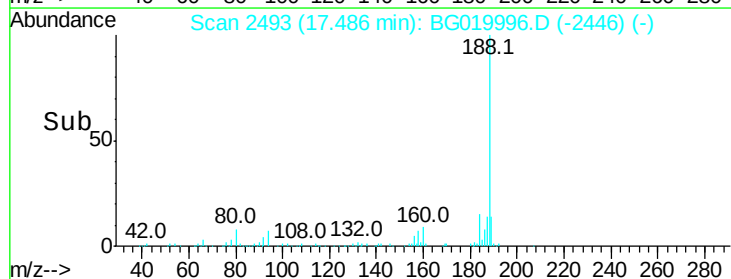
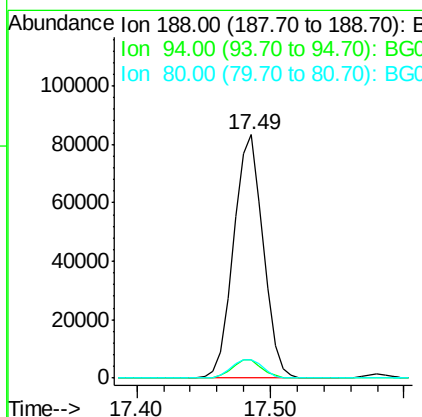
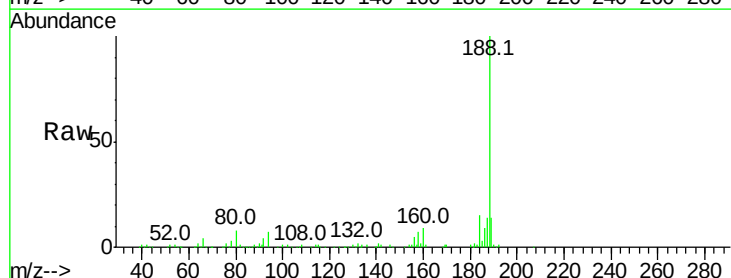
Instrument :
 BNA_G
 ClientSampleId :
 MW-11C

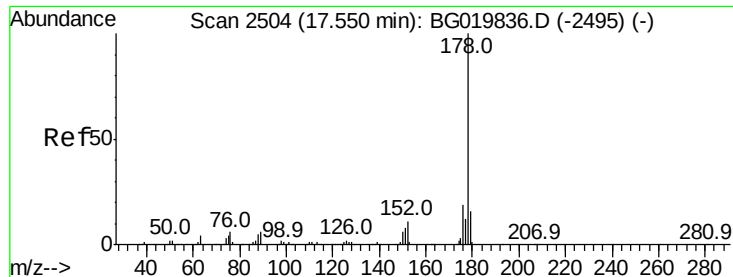
Tot Ion:166 Resp: 136031
 Ion Ratio Lower Upper
 166 100
 165 99.1 80.0 120.0
 167 14.1 11.1 16.7



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.49 min Scan# 2493
 Delta R.T. -0.02 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

Tgt Ion:188 Resp: 127679
 Ion Ratio Lower Upper
 188 100
 94 7.4 7.7 11.5#
 80 7.6 7.8 11.8#

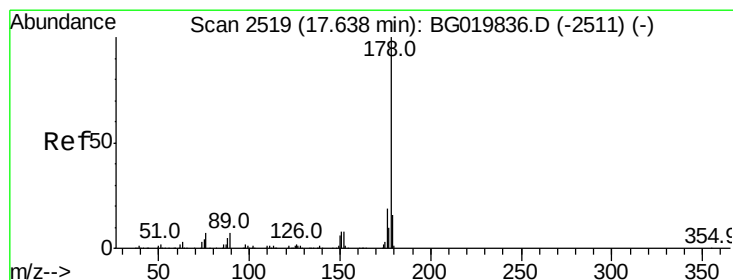
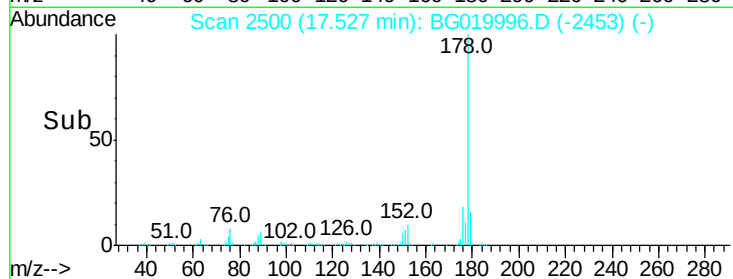
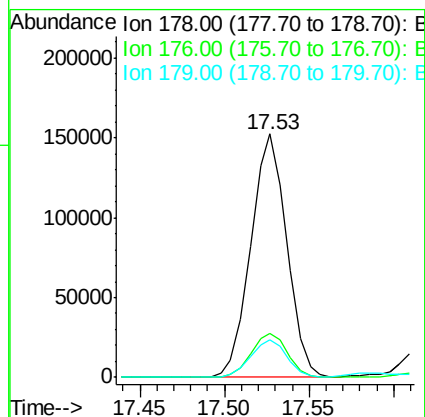
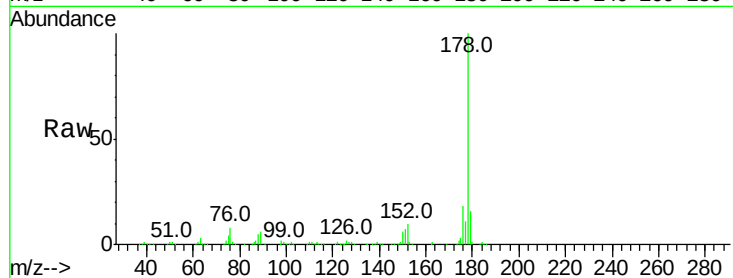




#70
Phenanthrene
Concen: 31.10 ng
RT: 17.53 min Scan# 2500
Delta R.T. -0.02 min
Lab File: BG019996.D
Acq: 8 Dec 2015 00:46

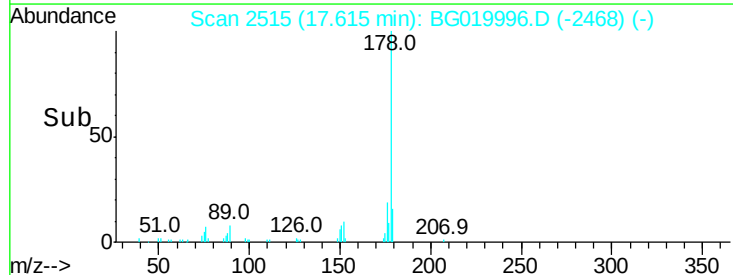
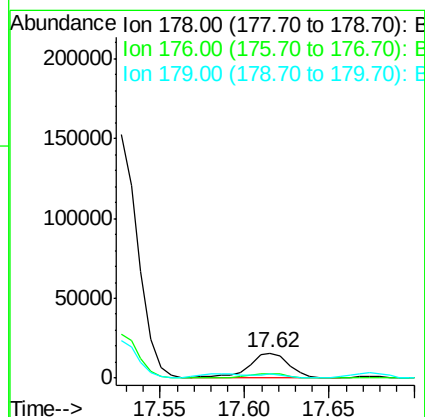
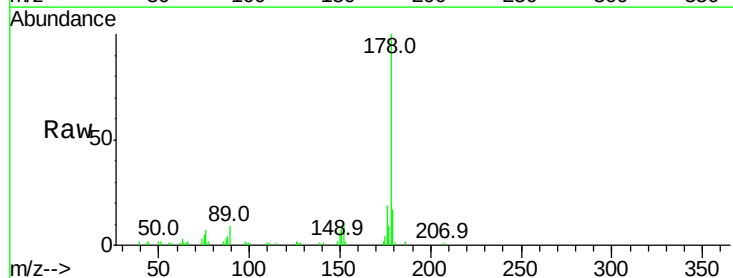
Instrument :
BNA_G
ClientSampleId :
MW-11C

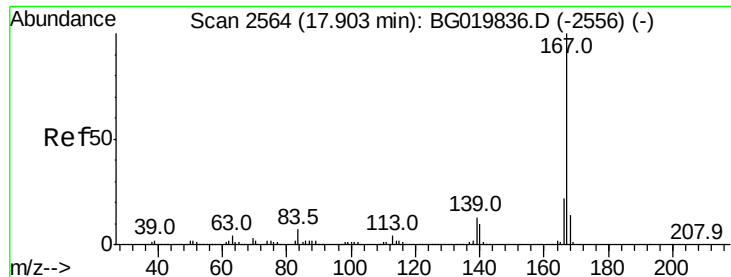
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.7	25.1
179	15.6	13.9	20.9



#71
Anthracene
Concen: 3.43 ng
RT: 17.62 min Scan# 2515
Delta R.T. -0.02 min
Lab File: BG019996.D
Acq: 8 Dec 2015 00:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.8	25.2
179	17.2	13.9	20.9





#72

Carbazole

Concen: 6.59 ng

RT: 17.88 min Scan# 2560

Delta R.T. -0.02 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

MW-11C

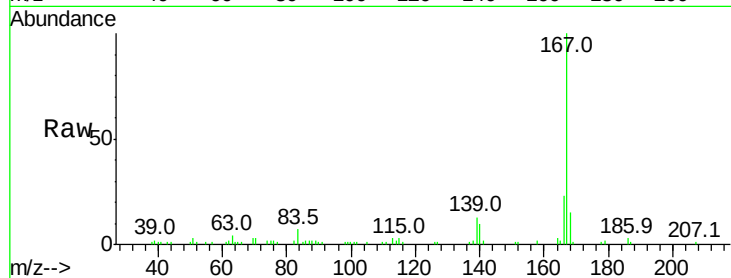
Tot Ion:167 Resp: 42691

Ion Ratio Lower Upper

167 100

166 23.5 19.0 28.6

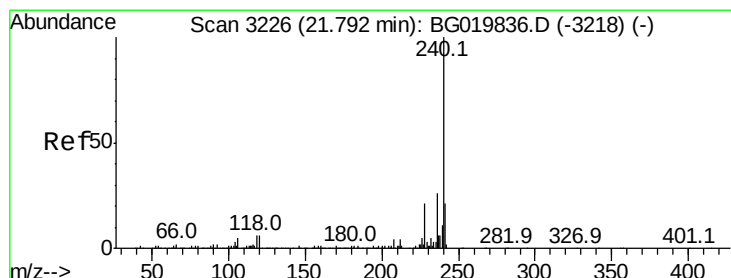
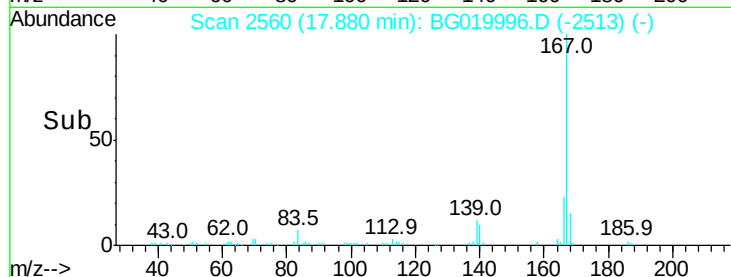
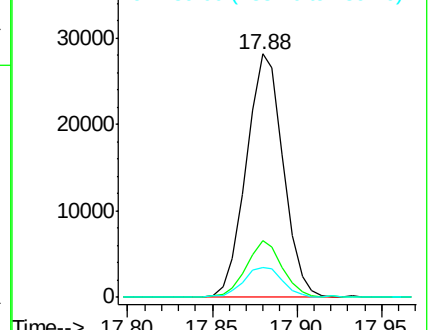
139 12.5 10.2 15.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3220

Delta R.T. -0.03 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

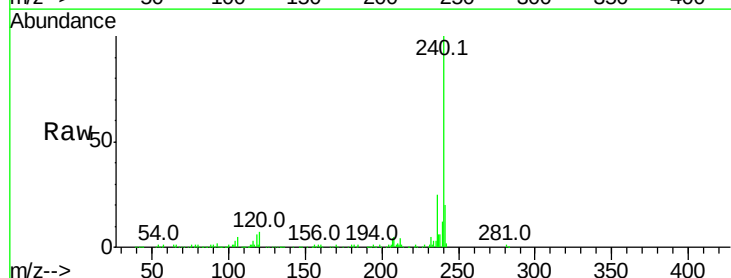
Tgt Ion:240 Resp: 157913

Ion Ratio Lower Upper

240 100

120 7.0 7.4 11.0#

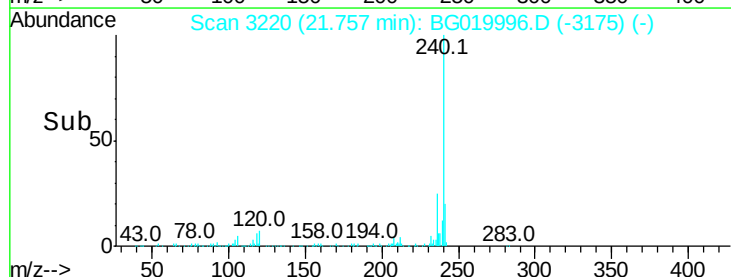
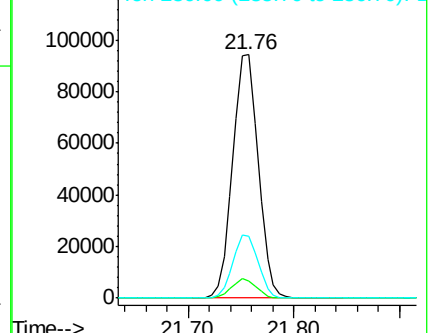
236 25.2 20.7 31.1

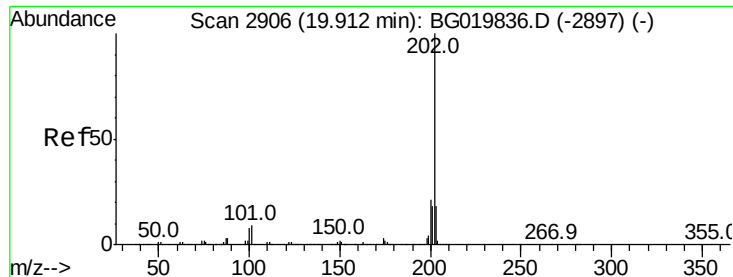


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.24 ng

RT: 19.89 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

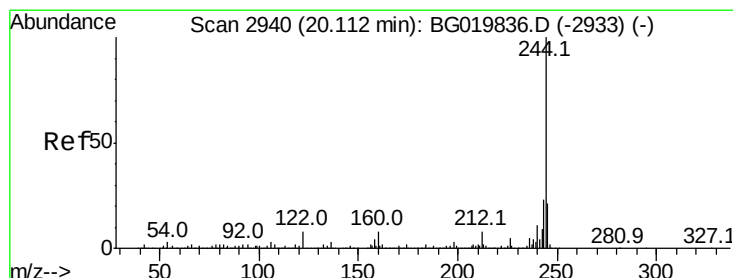
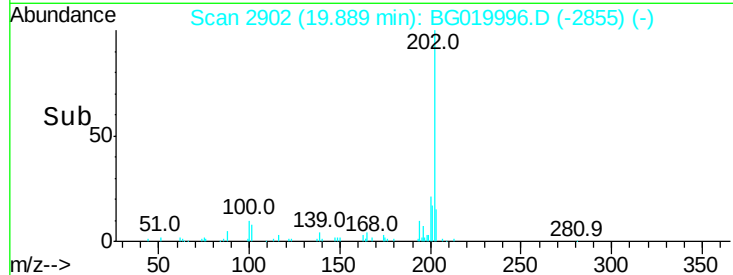
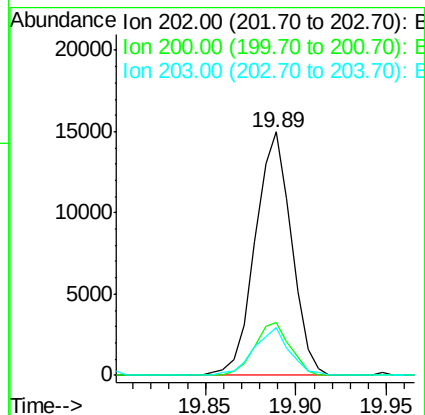
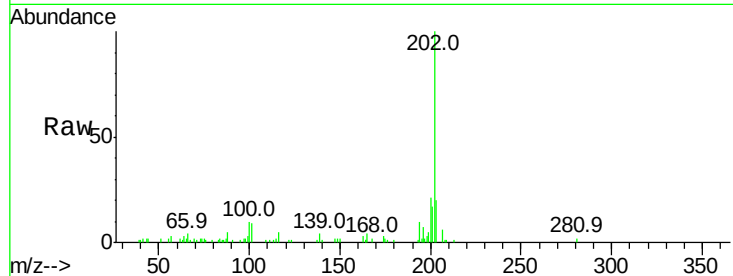
Instrument :

BNA_G

ClientSampleId :

MW-11C

Tot Ion:	202	Resp:	20791
Ion	Ratio	Lower	Upper
202	100		
200	21.5	19.4	29.0
203	19.5	15.5	23.3



#78

Terphenyl-d14

Concen: 89.34 ng

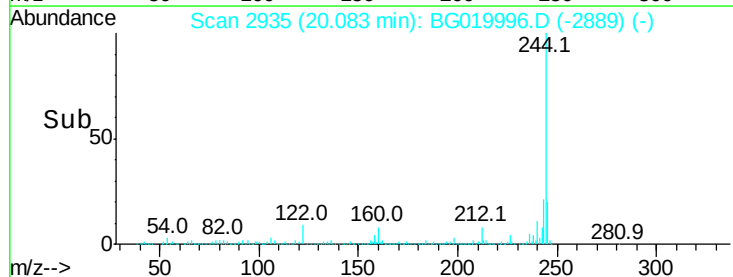
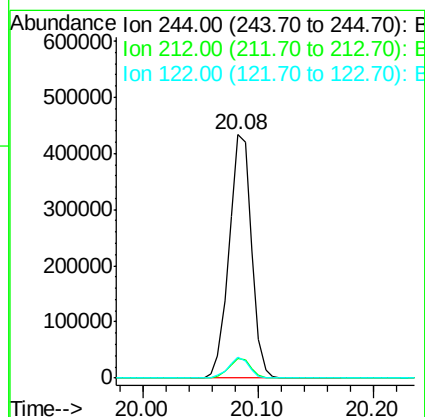
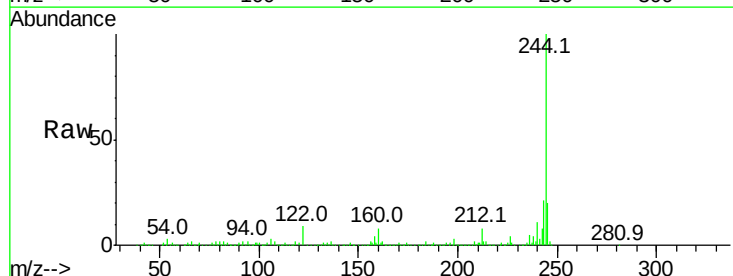
RT: 20.08 min Scan# 2935

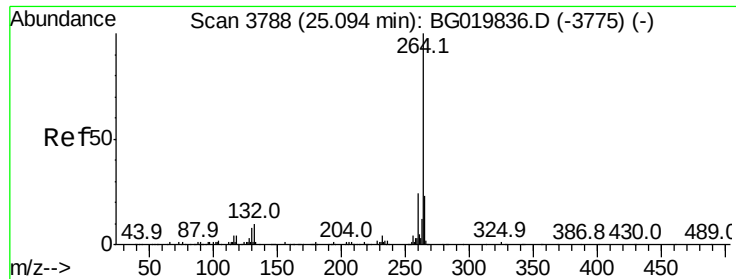
Delta R.T. -0.03 min

Lab File: BG019996.D

Acq: 8 Dec 2015 00:46

Tgt Ion:	244	Resp:	578401
Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.9	10.3
122	8.7	10.2	15.2#

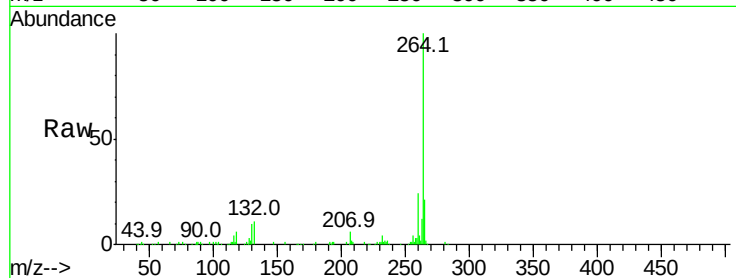




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.04 min Scan# 3778
 Delta R.T. -0.06 min
 Lab File: BG019996.D
 Acq: 8 Dec 2015 00:46

Instrument :
 BNA_G
 ClientSampleId :
 MW-11C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.5	27.7
265	20.8	17.2	25.8



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

