

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121215\
 Data File : BG020107.D
 Acq On : 11 Dec 2015 15:17
 Operator : UM/SJ
 Sample : G4676-16DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-14DL

Quant Time: Dec 11 23:37:33 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

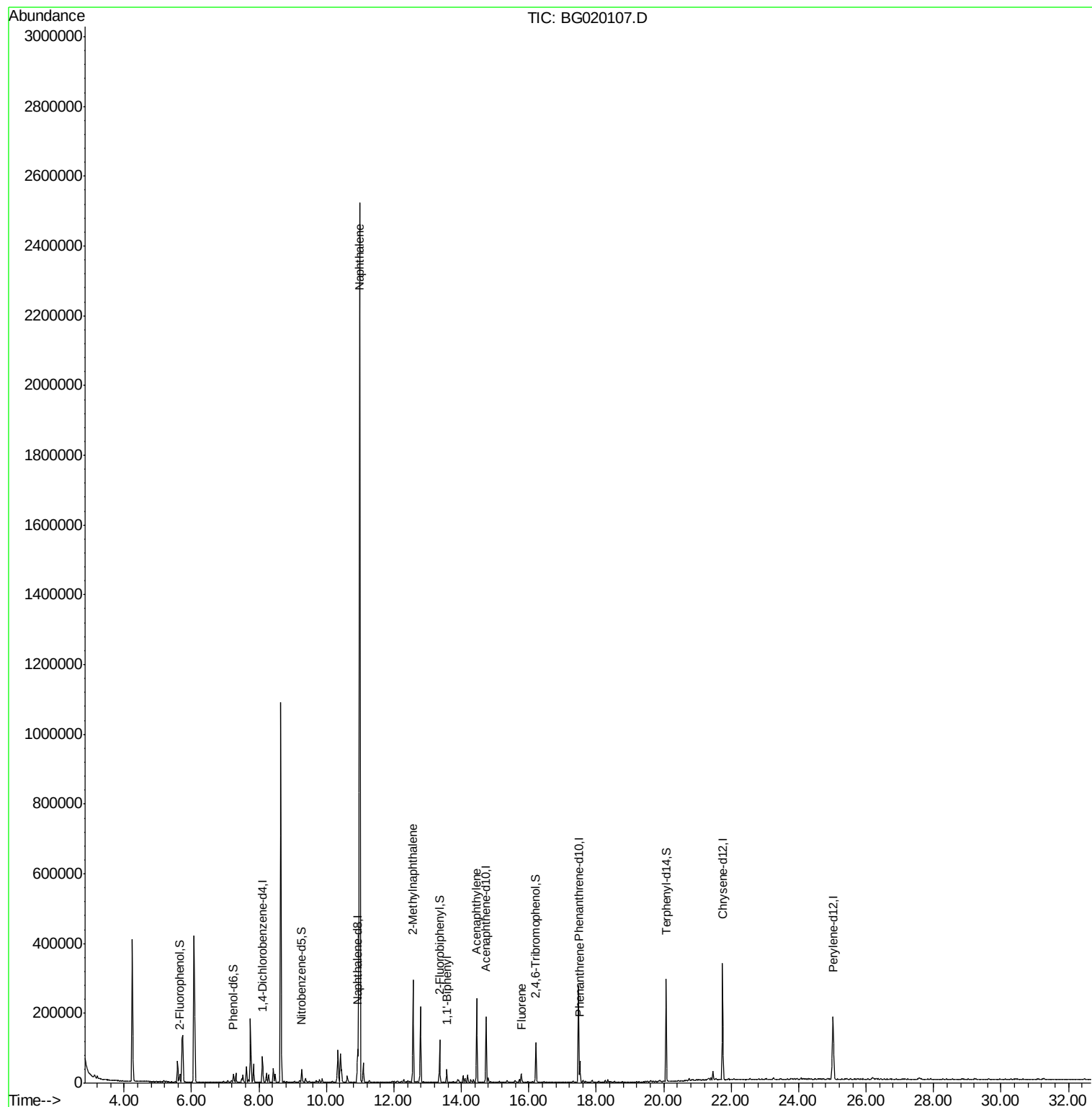
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	21002	20.00	ng	-0.04
21) Naphthalene-d8	10.92	136	90665	20.00	ng	-0.03
38) Acenaphthene-d10	14.73	164	63917	20.00	ng	-0.04
63) Phenanthrene-d10	17.47	188	173175	20.00	ng	-0.04
75) Chrysene-d12	21.74	240	207593	20.00	ng	-0.05
86) Perylene-d12	25.02	264	196930	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	9878	8.50	ng	-0.02
7) Phenol-d6	7.25	99	9535	5.43	ng	-0.02
23) Nitrobenzene-d5	9.26	82	23769	13.38	ng	-0.04
41) 2,4,6-Tribromophenol	16.21	330	21324	21.80	ng	-0.04
44) 2-Fluorobiphenyl	13.35	172	63654	13.60	ng	-0.04
78) Terphenyl-d14	20.07	244	130173	15.29	ng	-0.04
Target Compounds						
31) Naphthalene	10.99	128	2096551	431.65	ng	Qvalue # 90
37) 2-Methylnaphthalene	12.57	142	135153	37.97	ng	97
45) 1,1'-Biphenyl	13.57	154	18800	3.58	ng	98
48) Acenaphthylene	14.45	152	172124	24.99	ng	99
57) Fluorene	15.77	166	12267	2.20	ng	97
70) Phenanthrene	17.51	178	37338	3.81	ng	94

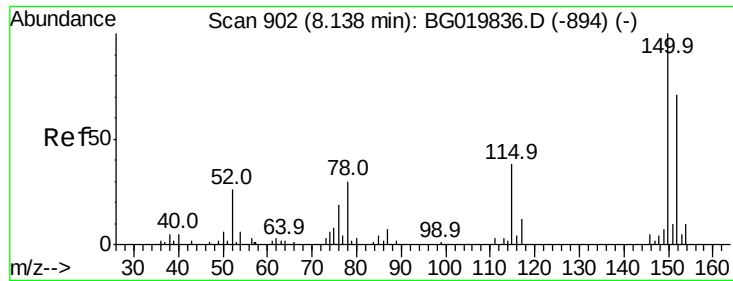
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121215\
Data File : BG020107.D
Acq On : 11 Dec 2015 15:17
Operator : UM/SJ
Sample : G4676-16DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-14DL

Quant Time: Dec 11 23:37:33 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: 8.10 min Scan# 896

Delta R.T. -0.04 min

Lab File: BG020107.D

Acq: 11 Dec 2015 15:17

Instrument :

BNA_G

ClientSampleId :

MW-14DL

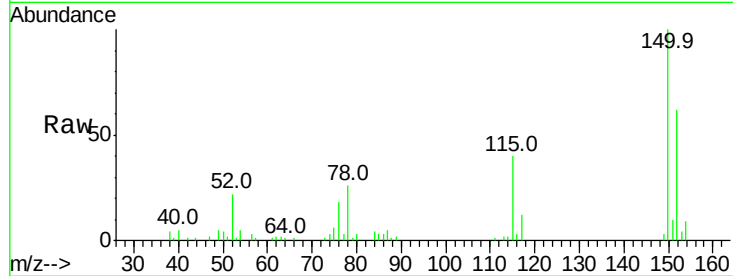
Tot Ion:152 Resp: 21002

Ion Ratio Lower Upper

152 100

150 160.1 115.0 172.4

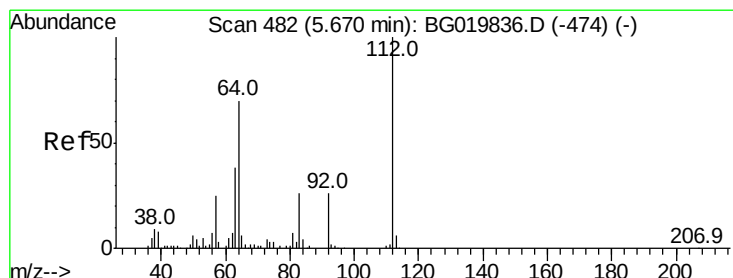
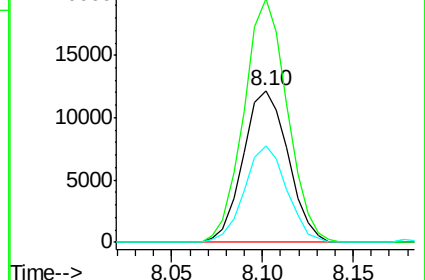
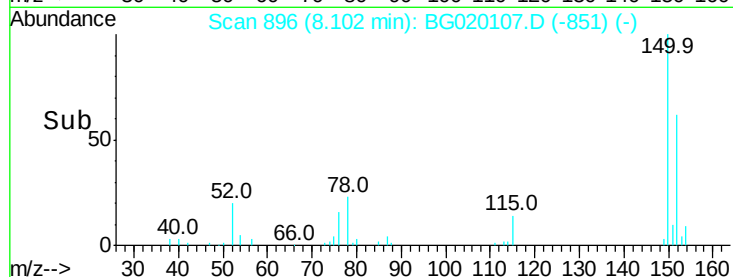
115 63.5 43.9 65.9



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: 8.50 ng

RT: 5.65 min Scan# 478

Delta R.T. -0.02 min

Lab File: BG020107.D

Acq: 11 Dec 2015 15:17

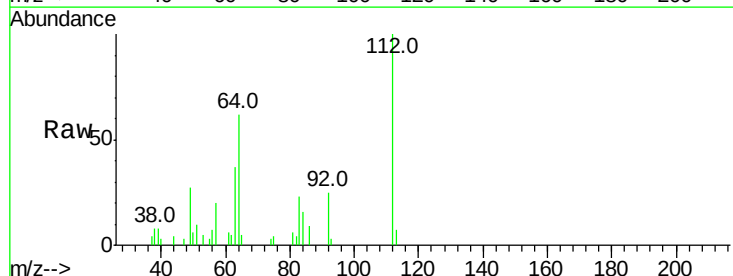
Tgt Ion:112 Resp: 9878

Ion Ratio Lower Upper

112 100

64 62.3 43.7 65.5

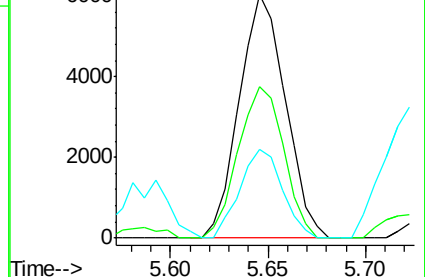
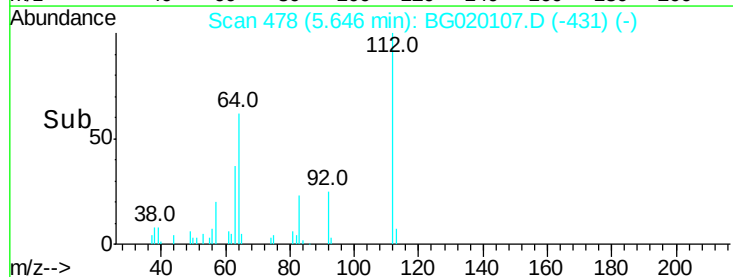
63 36.5 24.0 36.0#

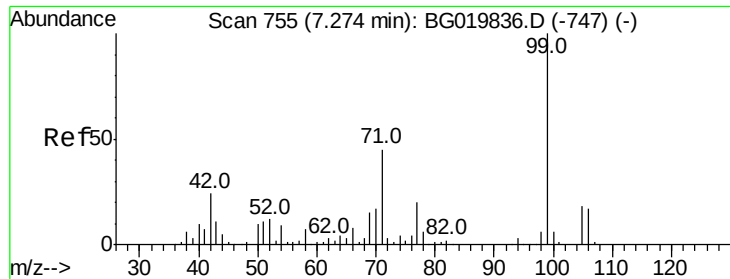


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 5.43 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.02 min

Lab File: BG020107.D

Acq: 11 Dec 2015 15:17

Instrument :

BNA_G

ClientSampleId :

MW-14DL

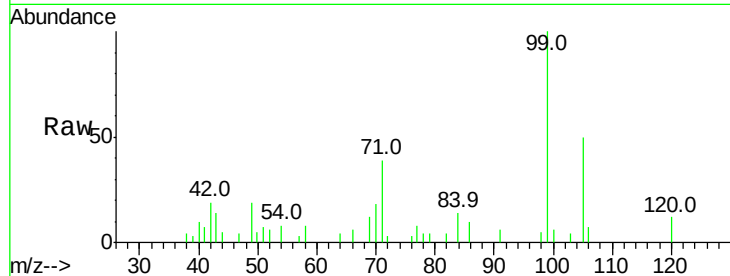
Tot Ion: 99 Resp: 9535

Ion Ratio Lower Upper

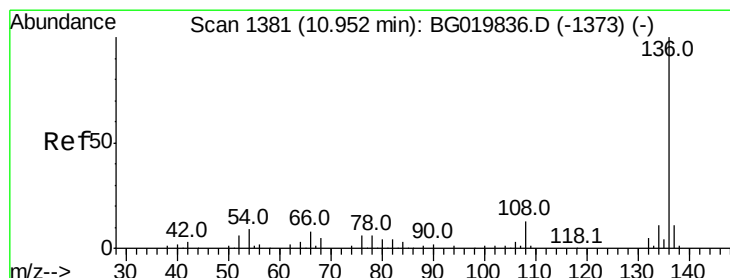
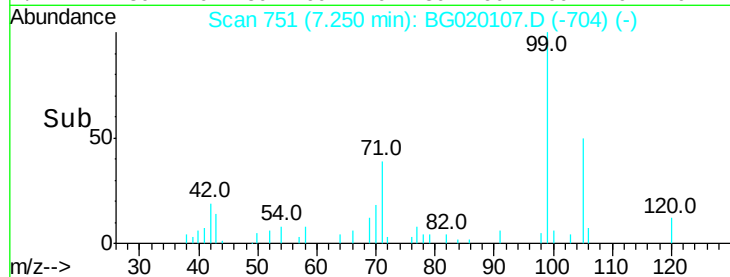
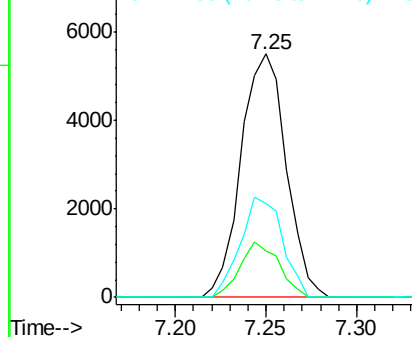
99 100

42 19.2 11.5 17.3#

71 38.5 22.6 34.0#



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: 10.92 min Scan# 1376

Delta R.T. -0.03 min

Lab File: BG020107.D

Acq: 11 Dec 2015 15:17

Tgt Ion:136 Resp: 90665

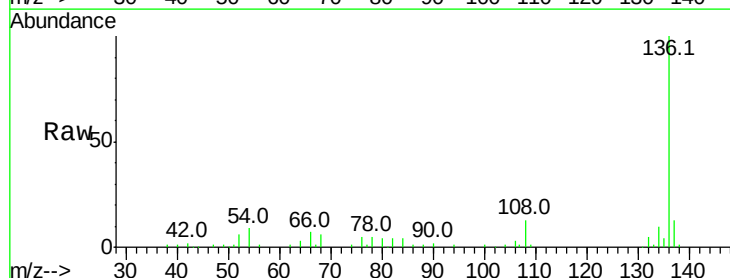
Ion Ratio Lower Upper

136 100

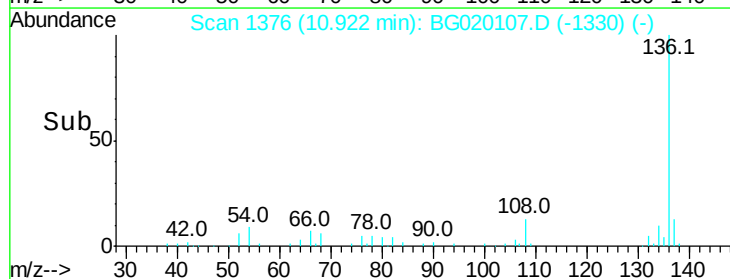
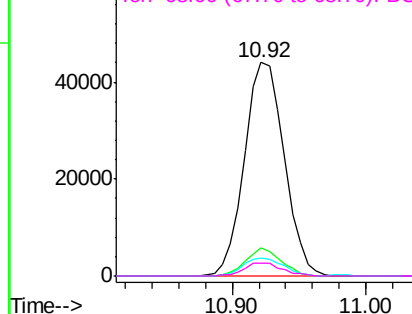
137 13.4 8.6 12.8#

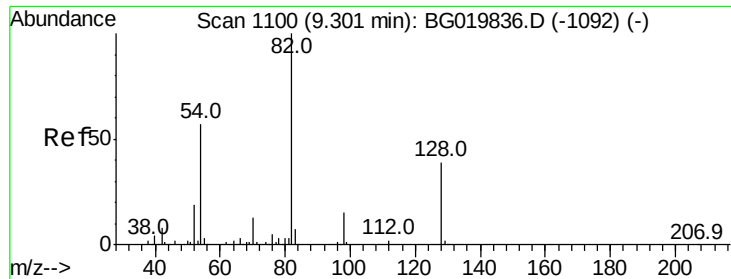
54 8.5 5.4 8.2#

68 5.8 5.3 7.9



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

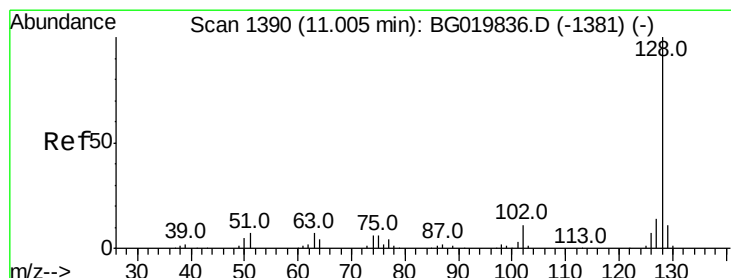
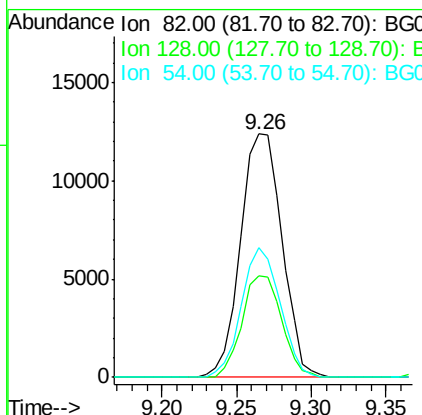
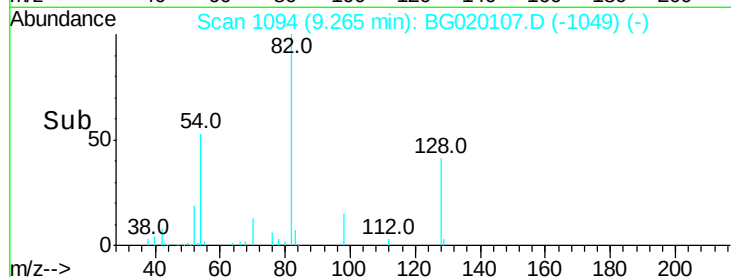
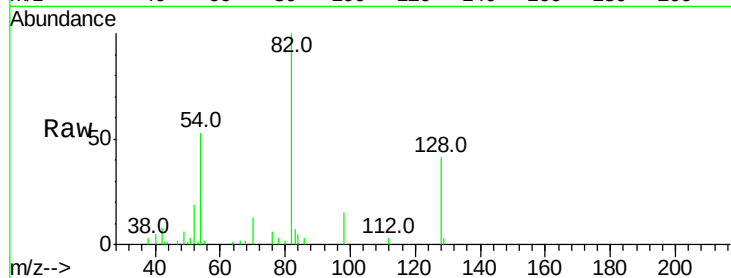




#23
Nitrobenzene-d5
Concen: 13.38 ng
RT: 9.26 min Scan# 1094
Delta R.T. -0.04 min
Lab File: BG020107.D
Acq: 11 Dec 2015 15:17

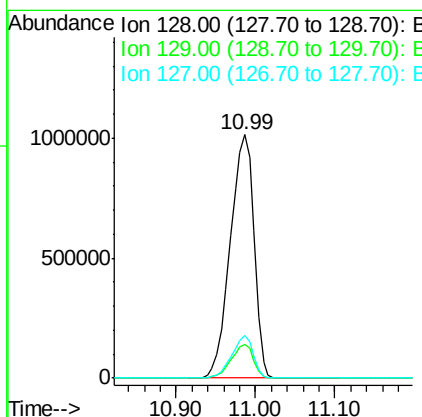
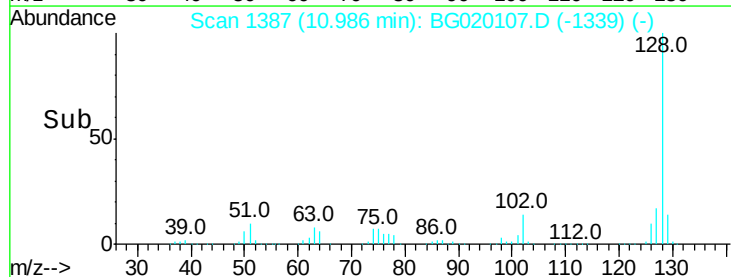
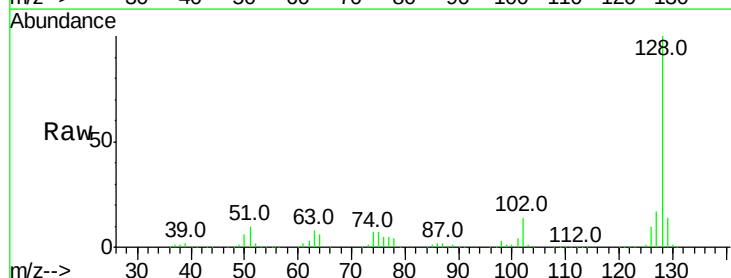
Instrument :
BNA_G
ClientSampleId :
MW-14DL

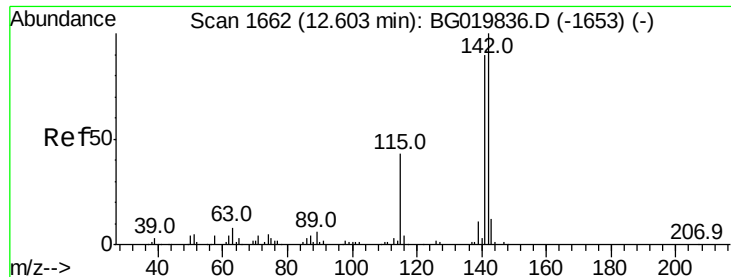
Tot Ion: 82 Resp: 23769
Ion Ratio Lower Upper
82 100
128 41.5 36.7 55.1
54 53.3 33.8 50.8#



#31
Naphthalene
Concen: 431.65 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.02 min
Lab File: BG020107.D
Acq: 11 Dec 2015 15:17

Tgt Ion: 128 Resp: 2096551
Ion Ratio Lower Upper
128 100
129 14.1 8.5 12.7#
127 17.5 10.6 16.0#

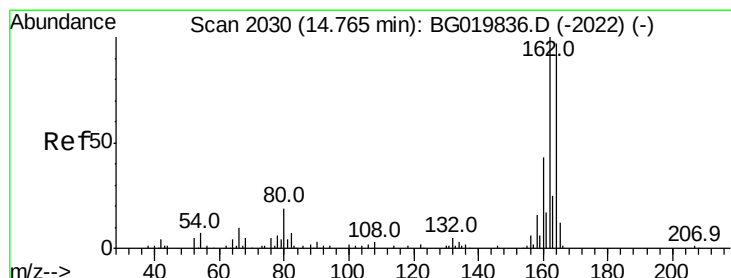
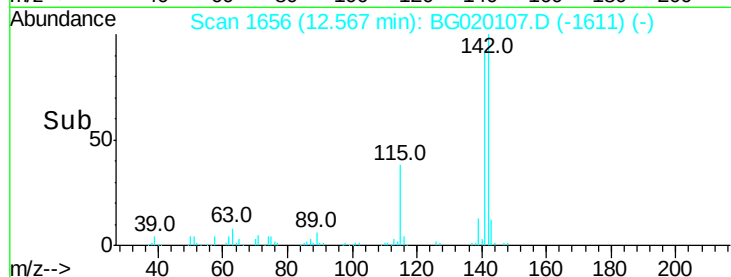
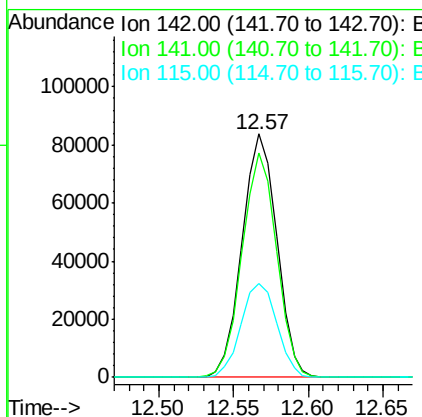
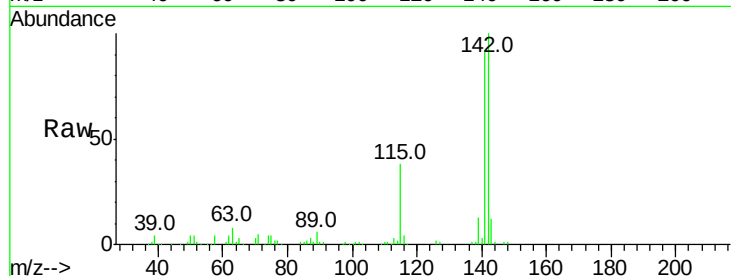




#37
2-Methylnaphthalene
Concen: 37.97 ng
RT: 12.57 min Scan# 1656
Delta R.T. -0.04 min
Lab File: BG020107.D
Acq: 11 Dec 2015 15:17

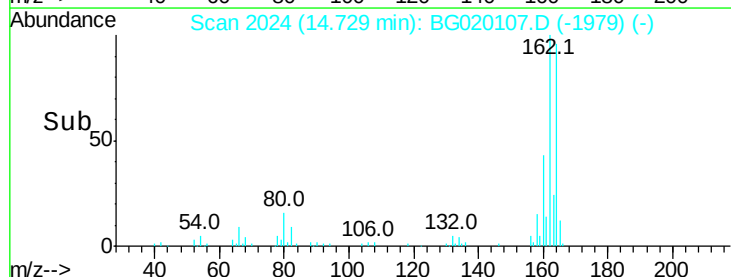
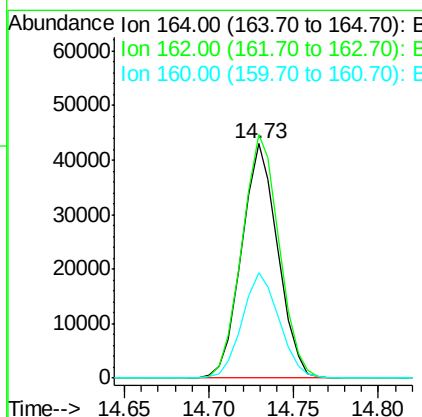
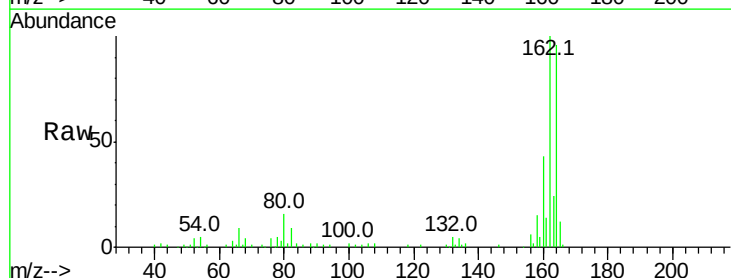
Instrument :
BNA_G
ClientSampled :
MW-14DL

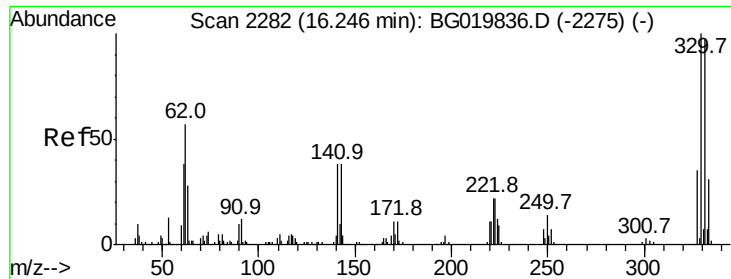
Tot Ion:142 Resp: 135153
Ion Ratio Lower Upper
142 100
141 92.2 74.6 112.0
115 38.5 27.4 41.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.73 min Scan# 2024
Delta R.T. -0.04 min
Lab File: BG020107.D
Acq: 11 Dec 2015 15:17

Tgt Ion:164 Resp: 63917
Ion Ratio Lower Upper
164 100
162 103.9 78.8 118.2
160 45.0 36.4 54.6

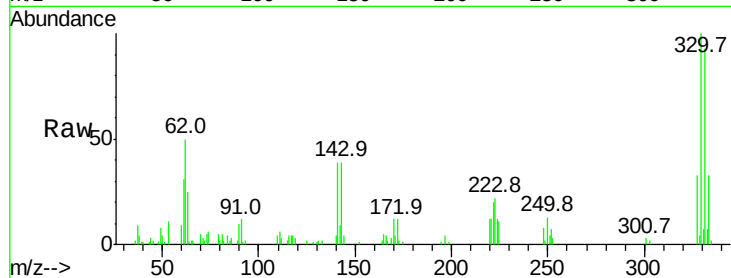




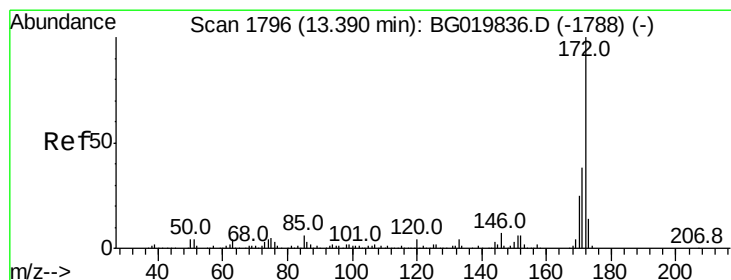
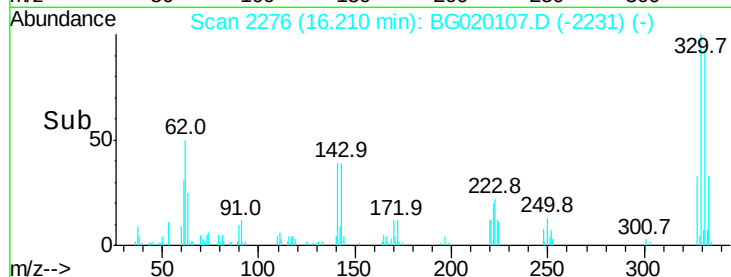
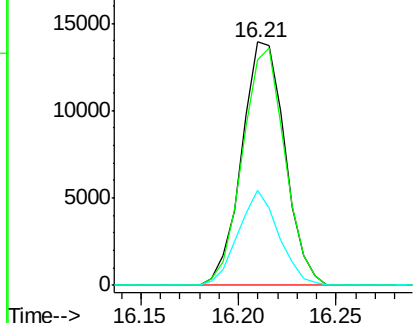
#41
 2,4,6-Tribromophenol
 Concen: 21.80 ng
 RT: 16.21 min Scan# 2276
 Delta R.T. -0.04 min
 Lab File: BG020107.D
 Acq: 11 Dec 2015 15:17

Instrument :
 BNA_G
 ClientSampleId :
 MW-14DL

Tot Ion:330 Resp: 21324
 Ion Ratio Lower Upper
 330 100
 332 95.5 78.1 117.1
 141 36.6 28.2 42.2

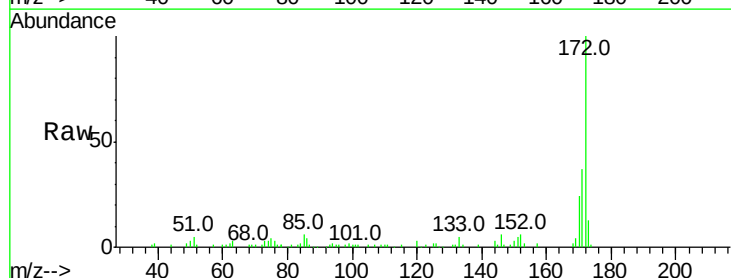


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

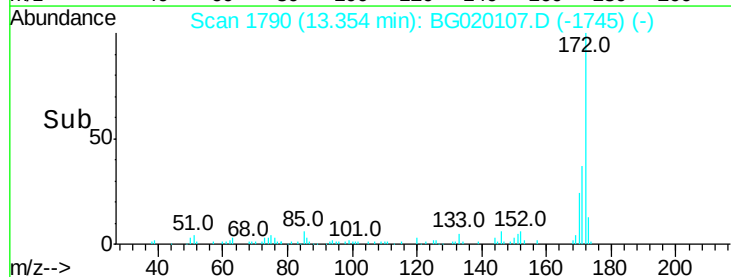
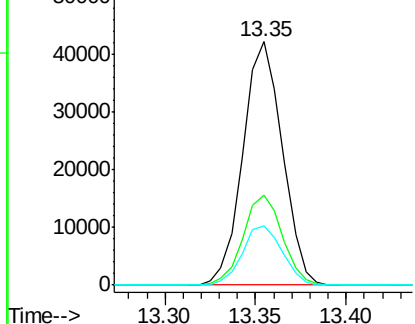


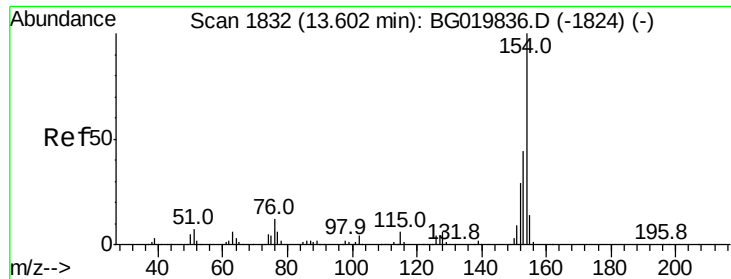
#44
 2-Fluorobiphenyl
 Concen: 13.60 ng
 RT: 13.35 min Scan# 1790
 Delta R.T. -0.04 min
 Lab File: BG020107.D
 Acq: 11 Dec 2015 15:17

Tgt Ion:172 Resp: 63654
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.0 43.6
 170 24.4 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: 3.58 ng

RT: 13.57 min Scan# 1826

Delta R.T. -0.04 min

Lab File: BG020107.D

Acq: 11 Dec 2015 15:17

Instrument :

BNA_G

ClientSampleId :

MW-14DL

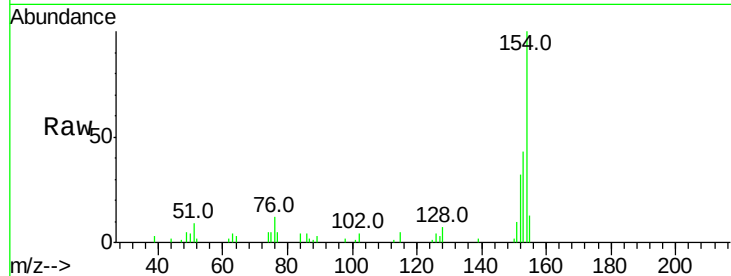
Tot Ion:154 Resp: 18800

Ion Ratio Lower Upper

154 100

153 42.7 21.9 61.9

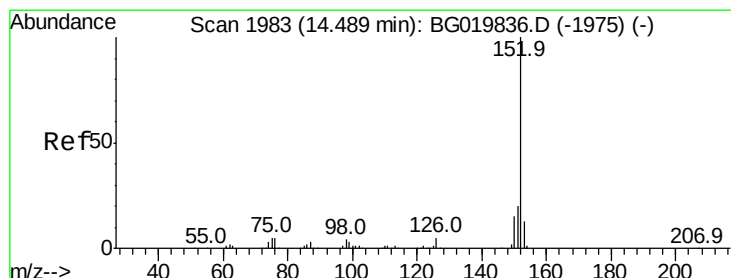
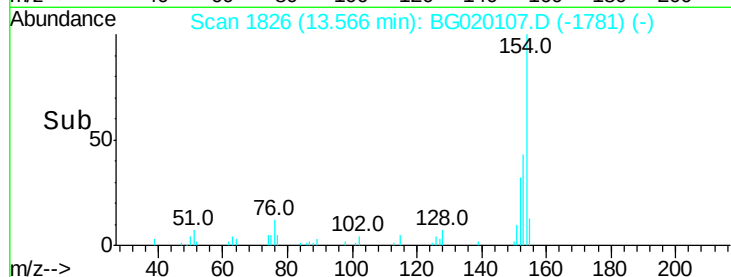
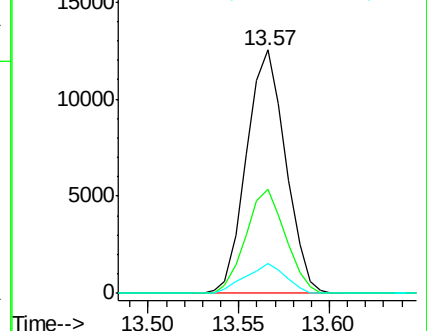
76 12.1 0.0 33.2



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): BGC



#48

Acenaphthylene

Concen: 24.99 ng

RT: 14.45 min Scan# 1977

Delta R.T. -0.04 min

Lab File: BG020107.D

Acq: 11 Dec 2015 15:17

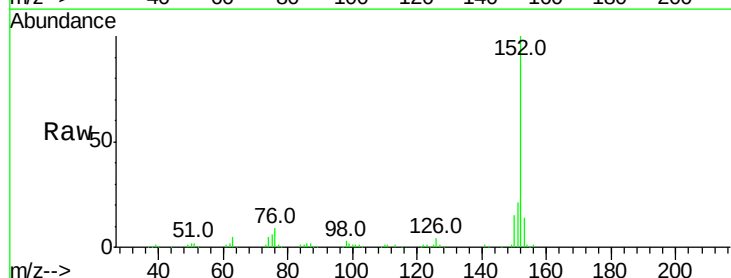
Tgt Ion:152 Resp: 172124

Ion Ratio Lower Upper

152 100

151 20.8 17.0 25.4

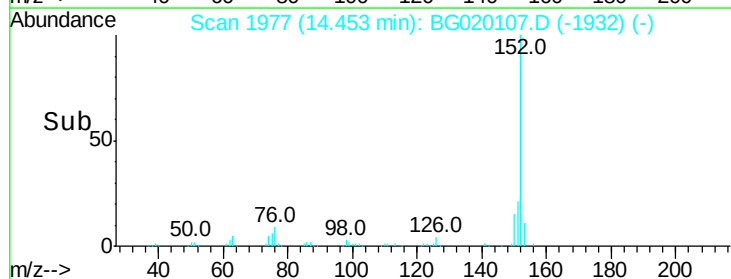
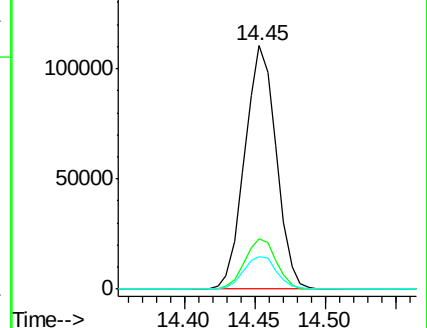
153 13.5 10.4 15.6

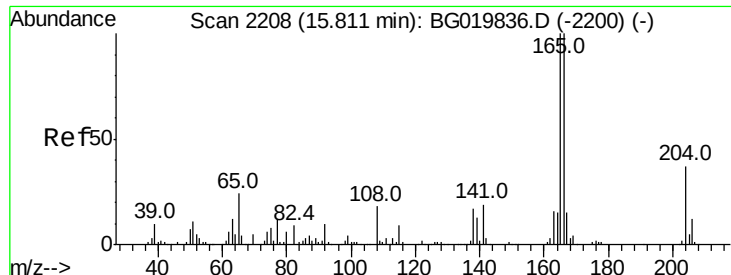


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

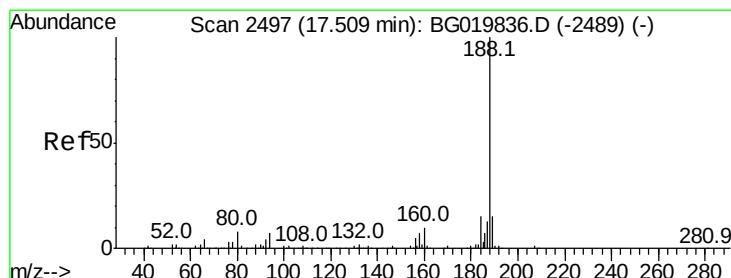
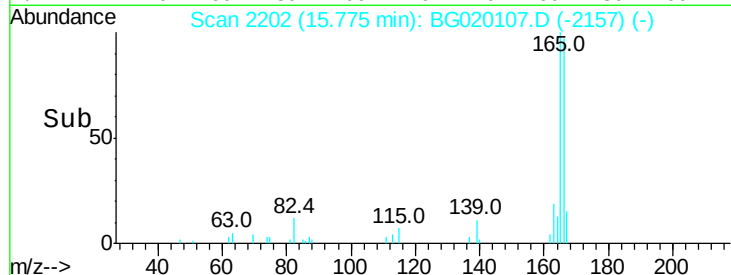
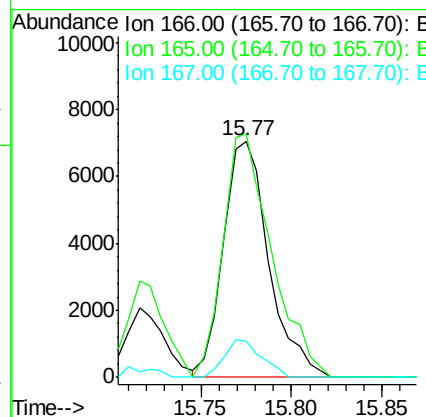
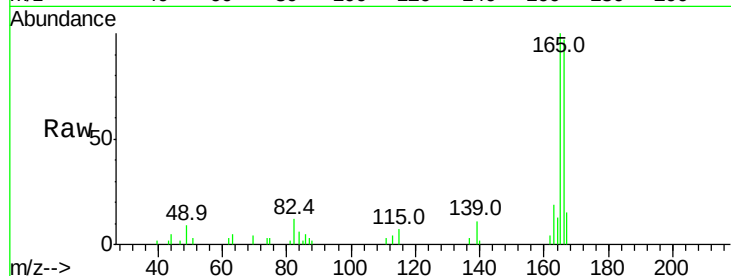




#57
Fluorene
Concen: 2.20 ng
RT: 15.77 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BG020107.D
Acq: 11 Dec 2015 15:17

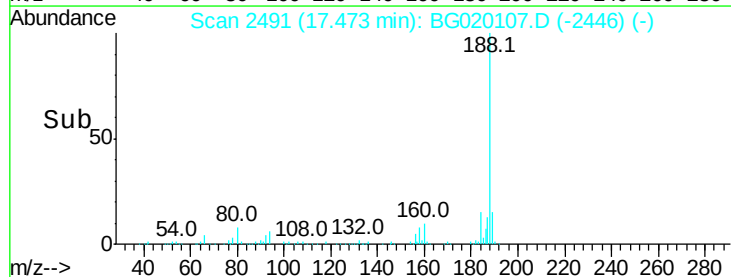
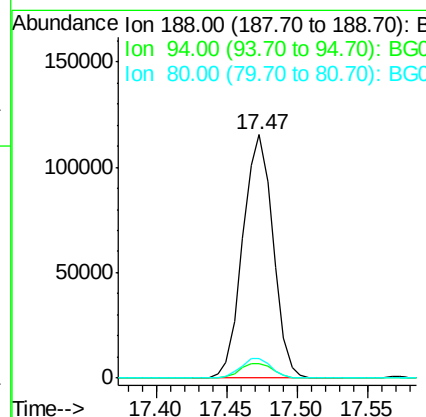
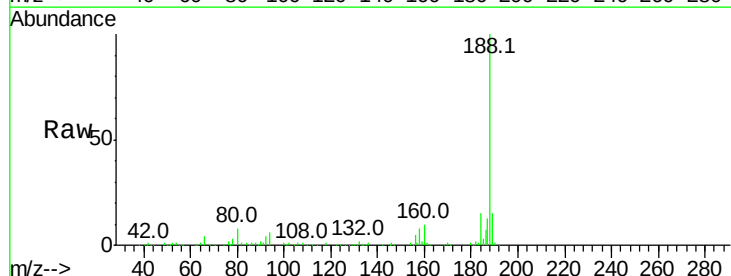
Instrument :
BNA_G
ClientSampleId :
MW-14DL

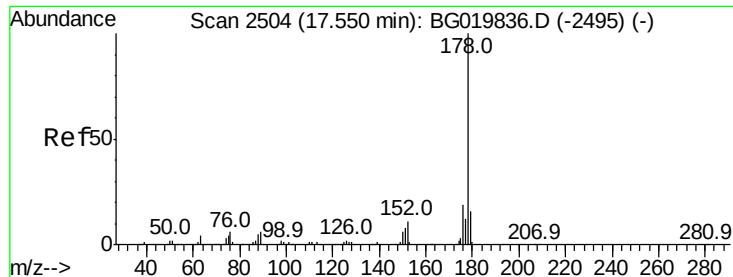
Tot Ion:166 Resp: 12267
Ion Ratio Lower Upper
166 100
165 103.0 80.0 120.0
167 15.1 11.1 16.7



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.47 min Scan# 2491
Delta R.T. -0.04 min
Lab File: BG020107.D
Acq: 11 Dec 2015 15:17

Tgt Ion:188 Resp: 173175
Ion Ratio Lower Upper
188 100
94 6.2 7.7 11.5#
80 8.3 7.8 11.8





#70

Phenanthrene

Concen: 3.81 ng

RT: 17.51 min Scan# 2498

Delta R.T. -0.04 min

Lab File: BG020107.D

Acq: 11 Dec 2015 15:17

Instrument :

BNA_G

ClientSampleId :

MW-14DL

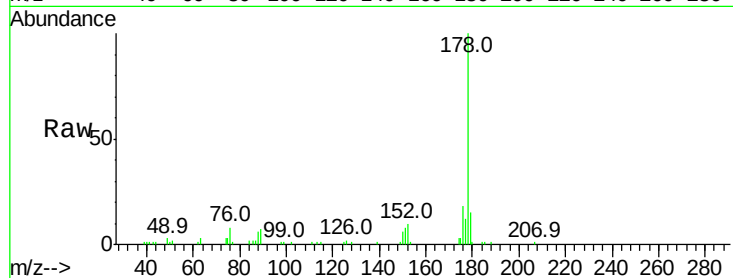
Tot Ion:178 Resp: 37338

Ion Ratio Lower Upper

178 100

176 17.7 16.7 25.1

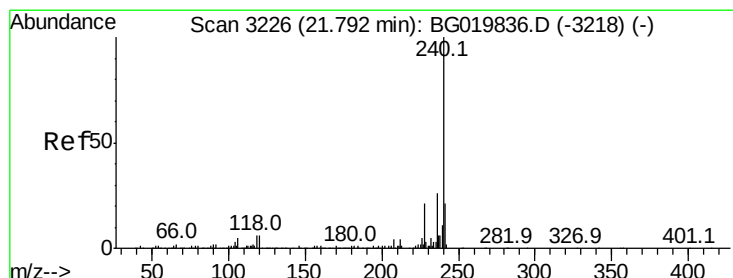
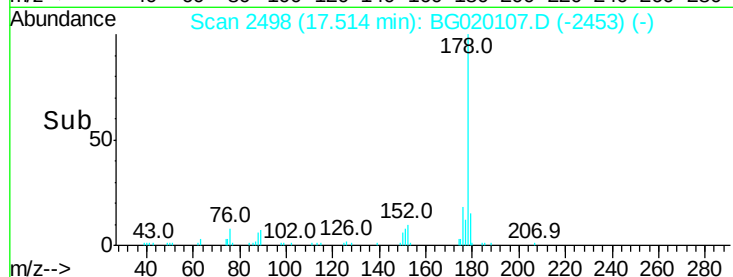
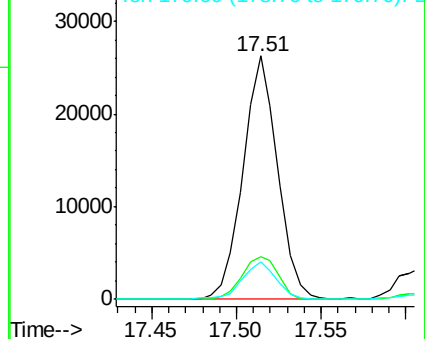
179 15.3 13.9 20.9



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.74 min Scan# 3218

Delta R.T. -0.05 min

Lab File: BG020107.D

Acq: 11 Dec 2015 15:17

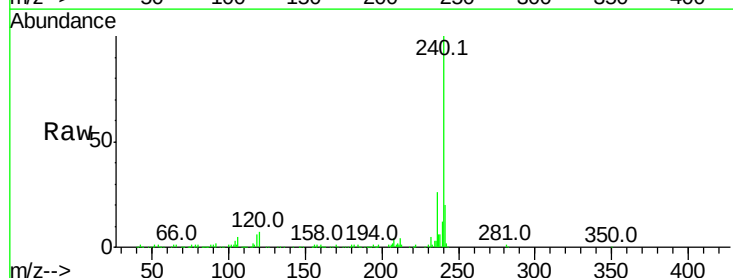
Tgt Ion:240 Resp: 207593

Ion Ratio Lower Upper

240 100

120 6.8 7.4 11.0#

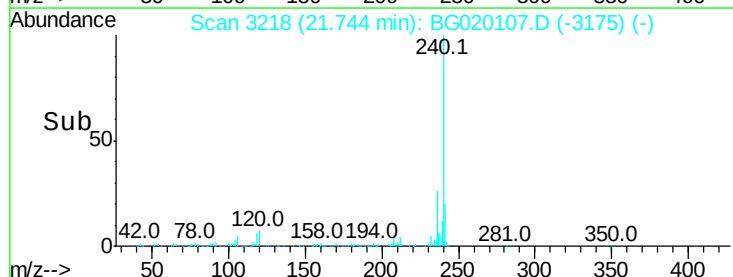
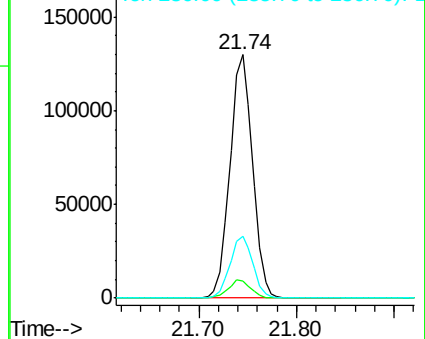
236 25.6 20.7 31.1

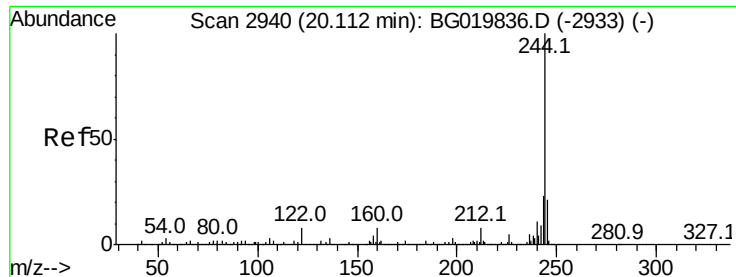


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 15.29 ng

RT: 20.07 min Scan# 2933

Delta R.T. -0.04 min

Lab File: BG020107.D

Acq: 11 Dec 2015 15:17

Instrument :

BNA_G

ClientSampled :

MW-14DL

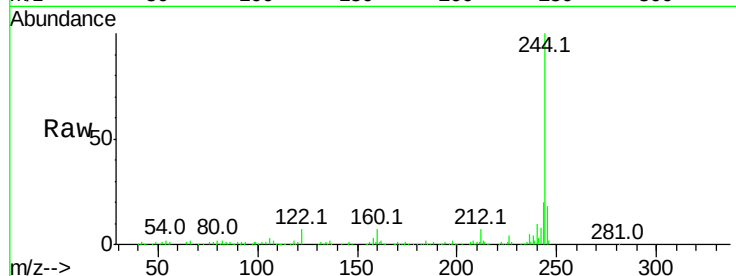
Tot Ion:244 Resp: 130173

Ion Ratio Lower Upper

244 100

212 6.9 6.9 10.3

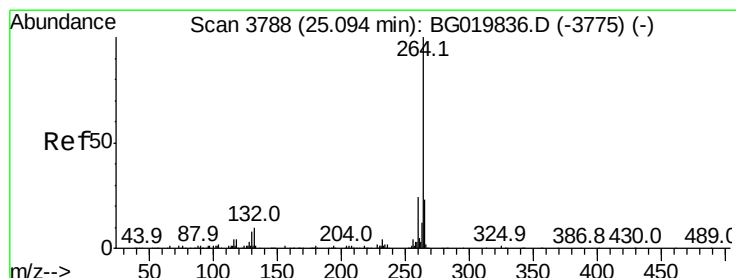
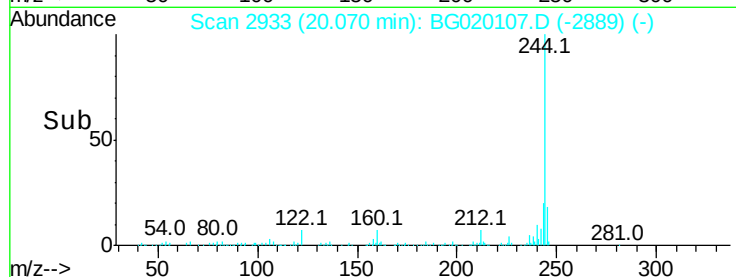
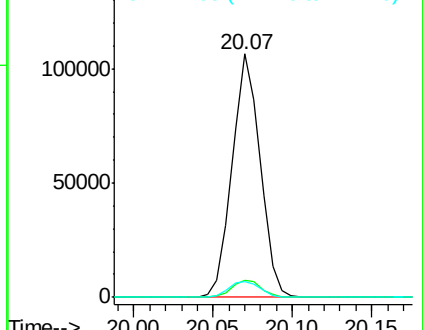
122 6.6 10.2 15.2#



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: 25.02 min Scan# 3775

Delta R.T. -0.08 min

Lab File: BG020107.D

Acq: 11 Dec 2015 15:17

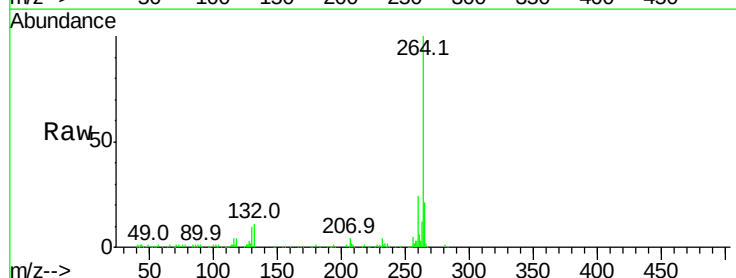
Tgt Ion:264 Resp: 196930

Ion Ratio Lower Upper

264 100

260 24.2 18.5 27.7

265 21.4 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

