

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 23:29:06 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

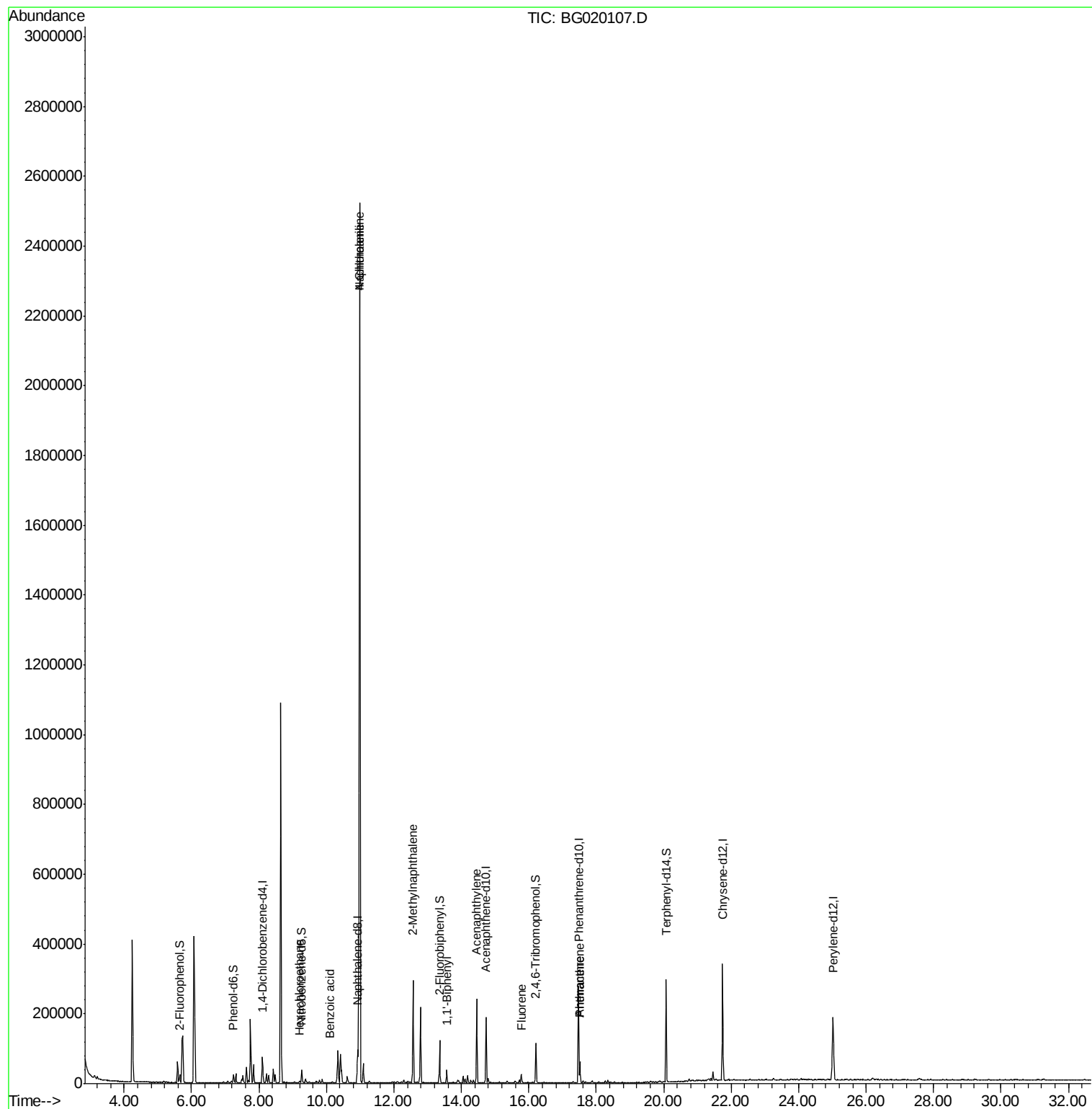
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	21002	20.00	ng	-0.04
21) Naphthalene-d8	10.92	136	90665	20.00	ng	-0.03
38) Acenaphthene-d10	14.73	164	63917	20.00	ng	-0.04
63) Phenanthrene-d10	17.47	188	173175	20.00	ng	-0.04
75) Chrysene-d12	21.74	240	207593	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						
18) Hexachloroethane	9.20	117	2356	3.79	ng	# 37
31) Naphthalene	10.99	128	2096551	431.65	ng	# 90
32) Benzoic acid	10.12	122	185	6.16	ng	# 29
33) 4-Chloroaniline	10.99	127	330913	154.61	ng	# 34
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
71) Anthracene	17.51	178	37338	3.74	ng	94

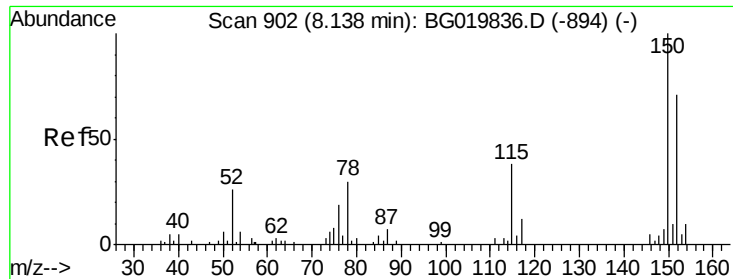
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121215\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Time: Dec 11 23:29:06 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

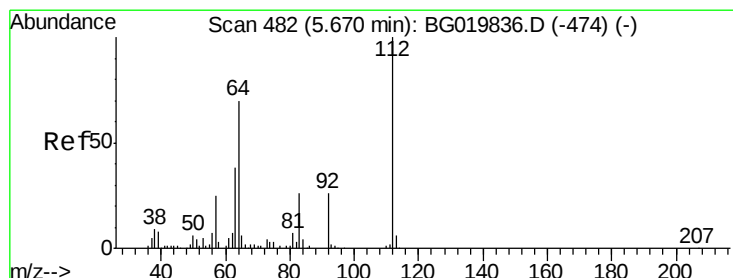
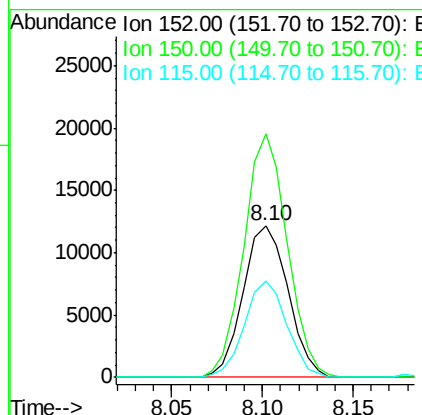
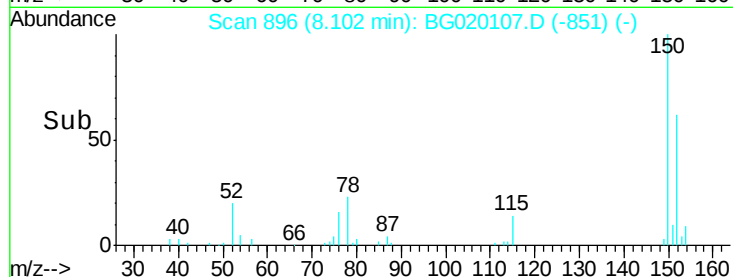
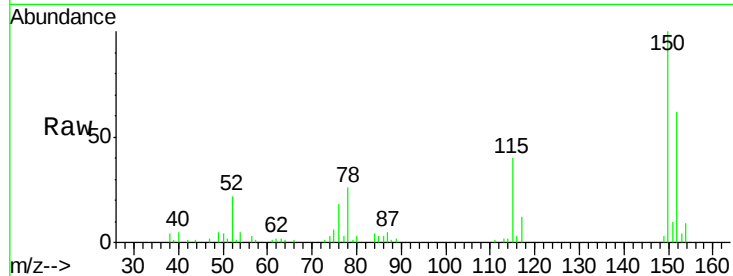




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.10 min Scan# 896
 Delta R.T. -0.04 min
 Lab File: BG020107.D
 Acq: 11 Dec 2015 15:17

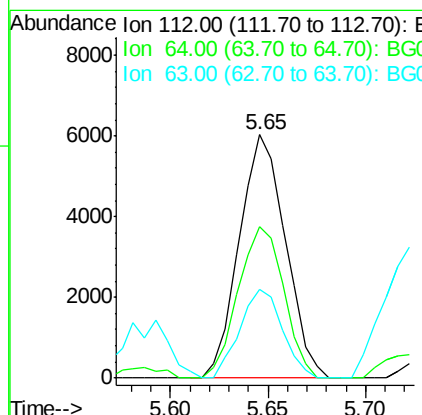
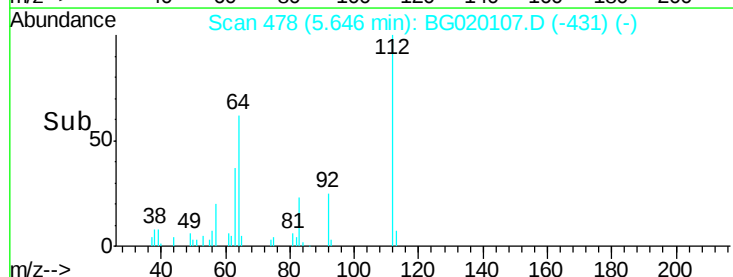
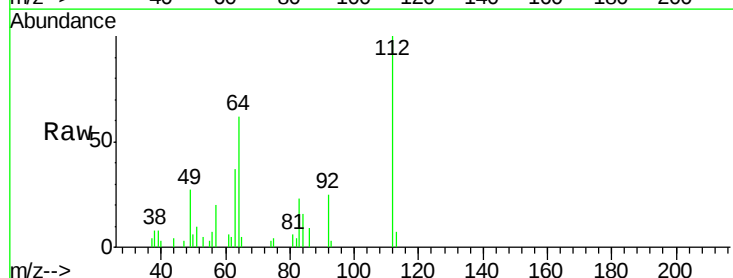
Instrument :
 BNA_G
 ClientSampleId :
 MW-14DL

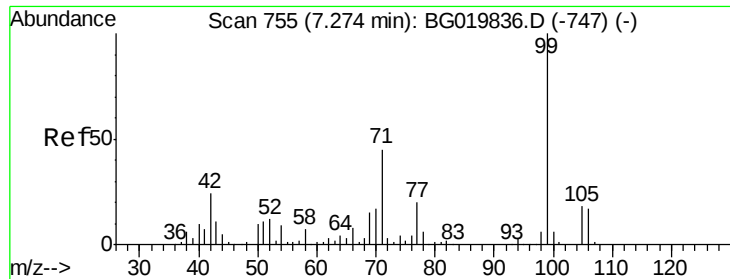
Tgt Ion:152 Resp: 21002
 Ion Ratio Lower Upper
 152 100
 150 160.1 115.0 172.4
 115 63.5 43.9 65.9



#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#





#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

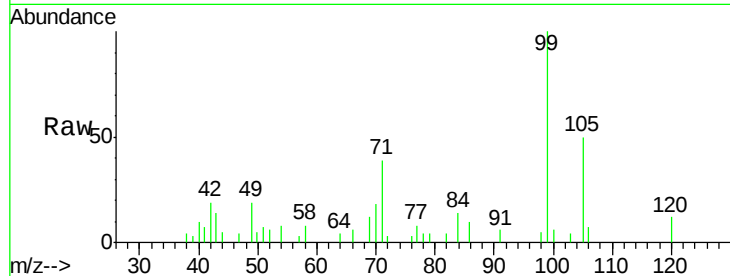
Tgt Ion: 99 Resp: 9535

Ion Ratio Lower Upper

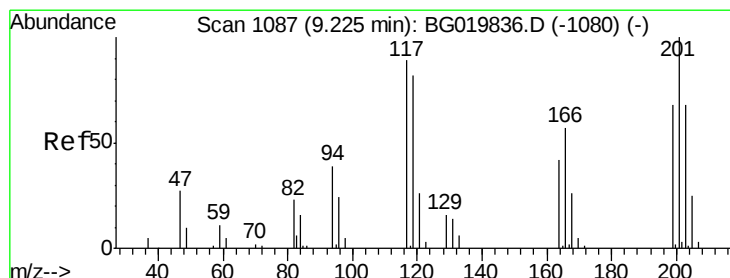
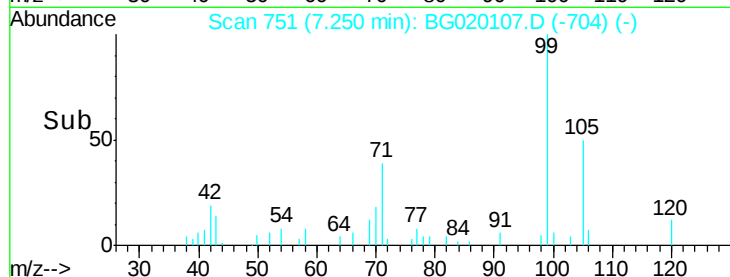
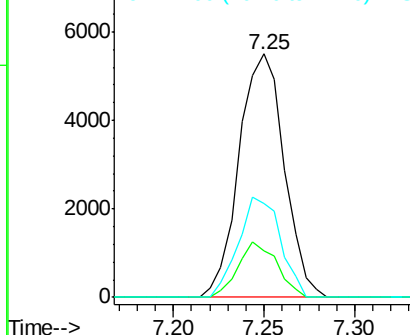
99 100

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



#18

Hexachloroethane

Concen: 3.79 ng

RT: 9.20 min Scan# 1083

Delta R.T. -0.02 min

Lab File: BG020107.D

Acq: 11 Dec 2015 15:17

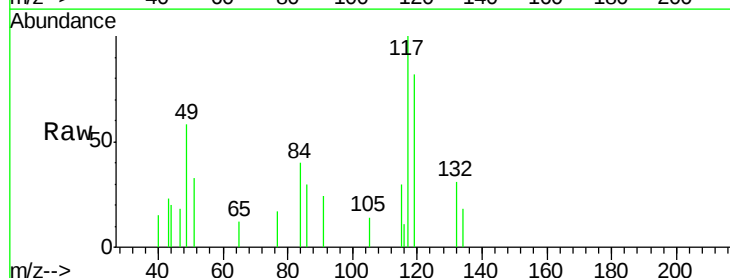
Tgt Ion: 117 Resp: 2356

Ion Ratio Lower Upper

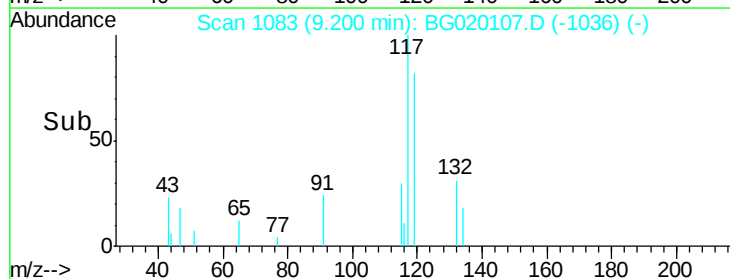
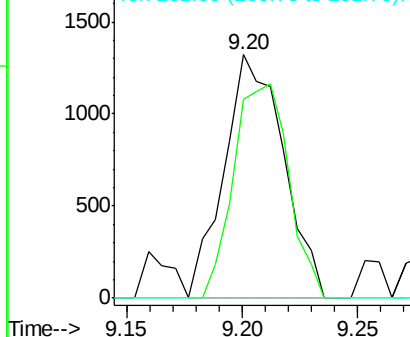
117 100

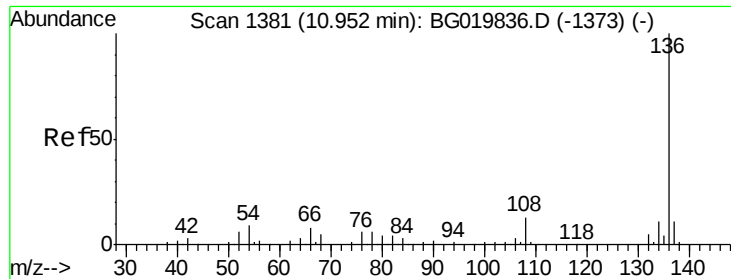
119 81.7 71.7 107.5

201 0.0 90.9 136.3#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

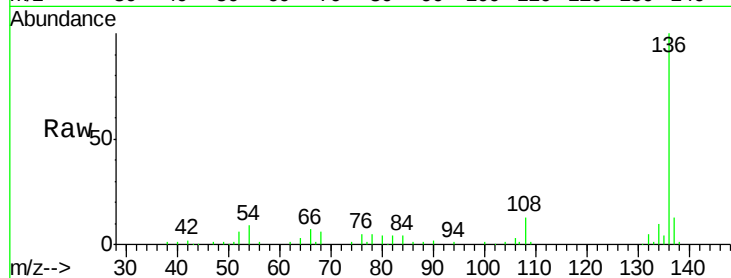




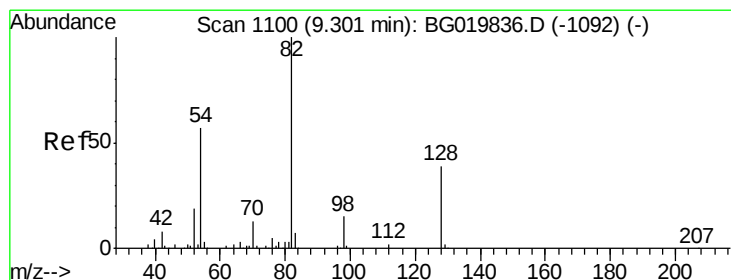
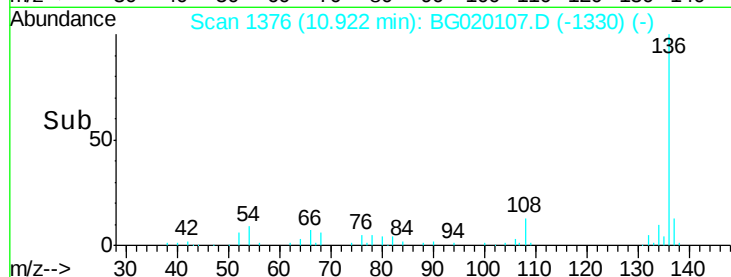
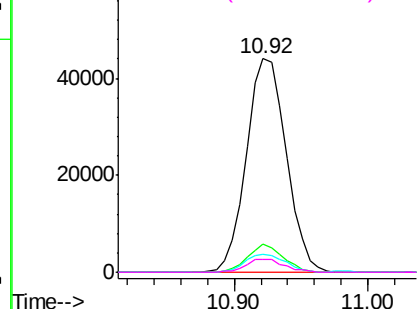
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.92 min Scan# 1376
Delta R.T. -0.03 min
Lab File: BG020107.D
Acq: 11 Dec 2015 15:17

Instrument :
BNA_G
ClientSampleId :
MW-14DL

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

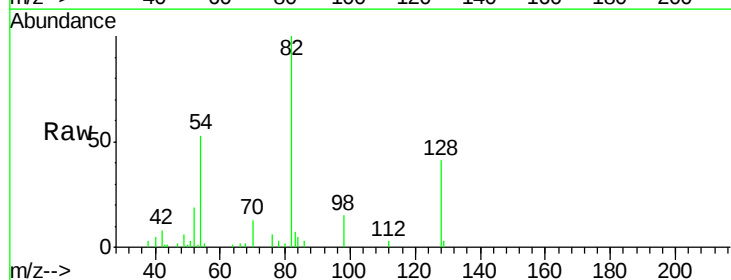


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

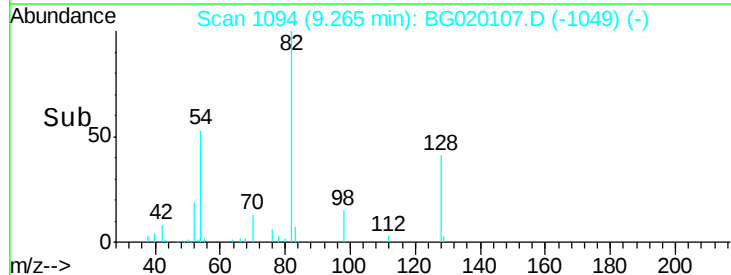
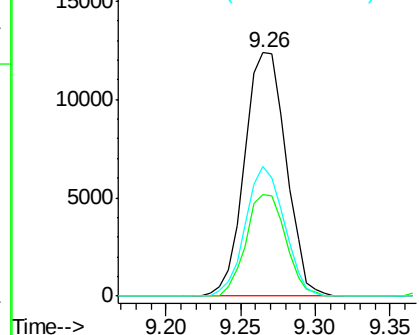


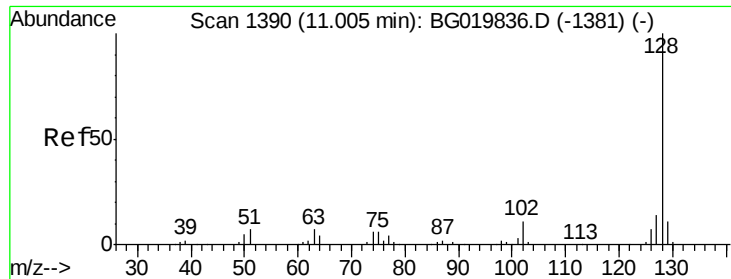
#23
Nitrobenzene-d5
Concen: 13.38 ng
RT: 9.26 min Scan# 1094
Delta R.T. -0.04 min
Lab File: BG020107.D
Acq: 11 Dec 2015 15:17

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



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

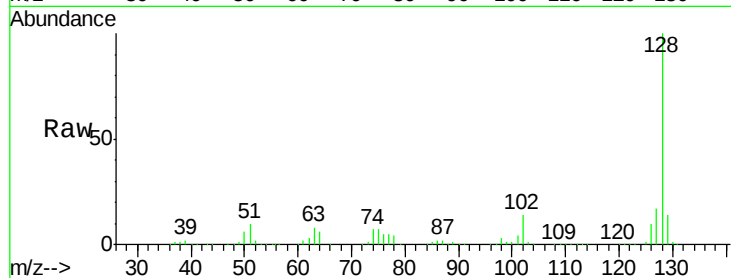




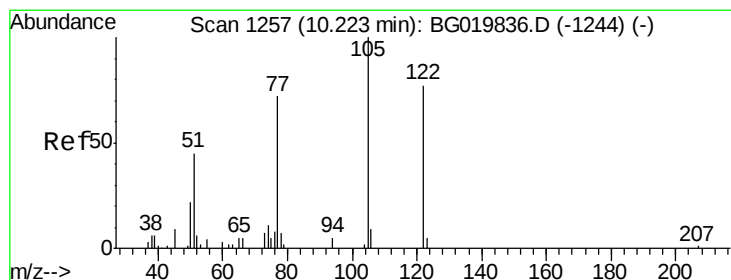
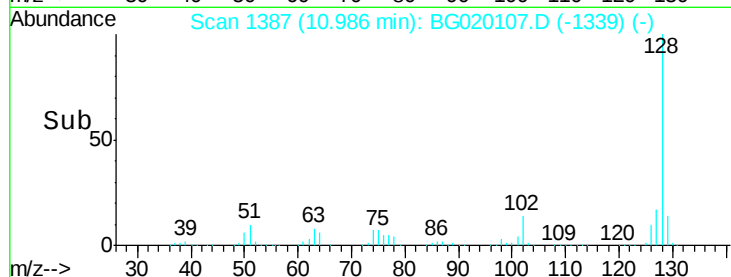
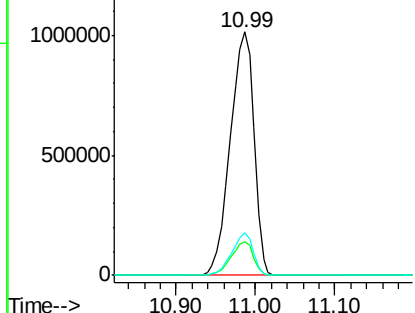
#31
Naphthalene
Concen: 431.65 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.02 min
Lab File: BG020107.D
Acq: 11 Dec 2015 15:17

Instrument :
BNA_G
ClientSampleId :
MW-14DL

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#

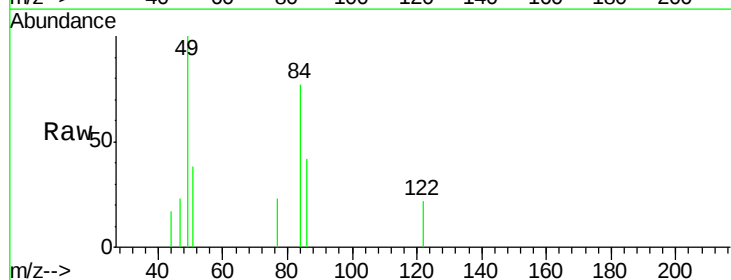


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

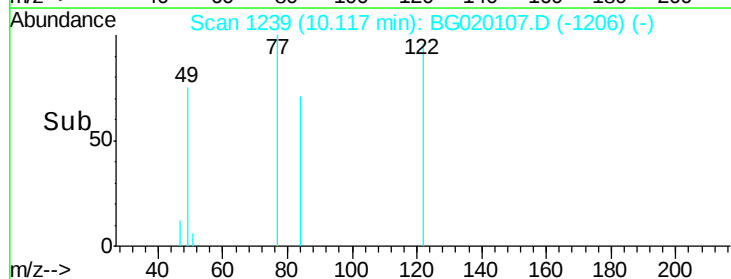
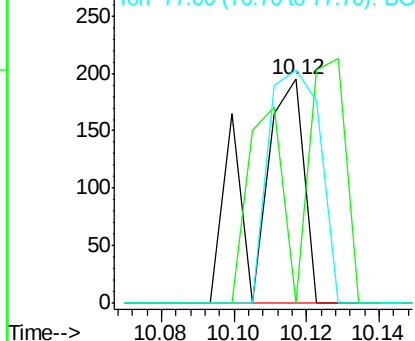


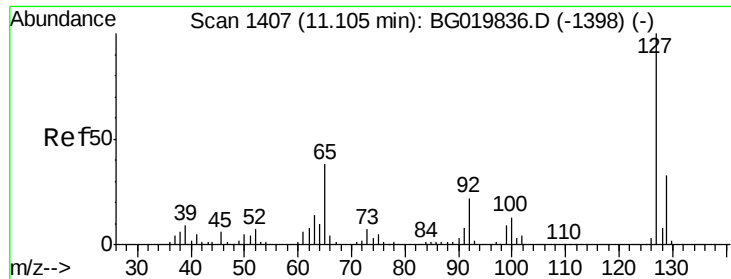
#32
Benzoic acid
Concen: 6.16 ng
RT: 10.12 min Scan# 1239
Delta R.T. -0.11 min
Lab File: BG020107.D
Acq: 11 Dec 2015 15:17

Tgt Ion:122 Resp: 185
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 104.1 68.8 108.8



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): BG

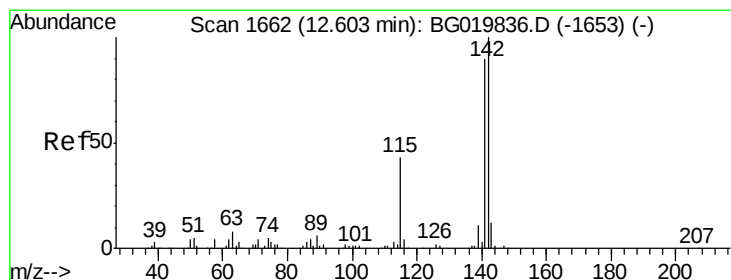
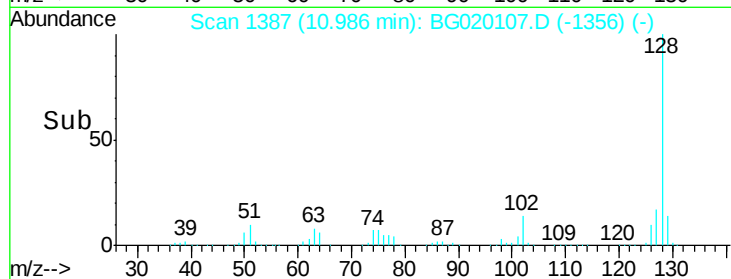
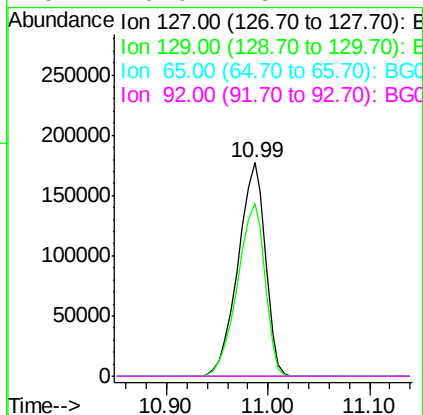
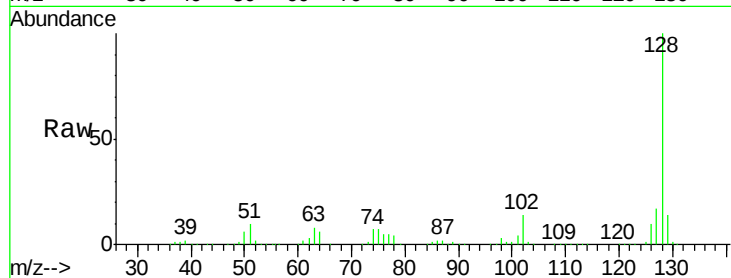




#33
4-Chloroaniline
Concen: 154.61 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.12 min
Lab File: BG020107.D
Acq: 11 Dec 2015 15:17

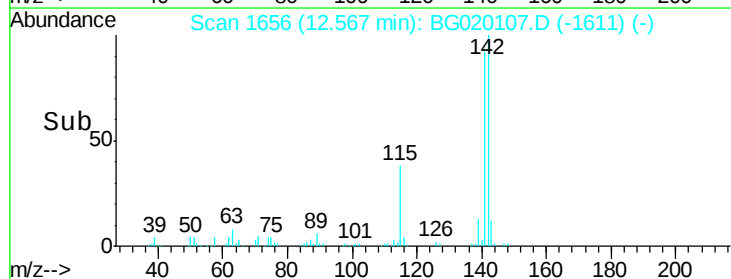
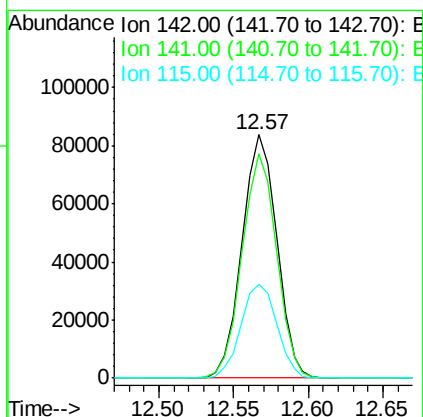
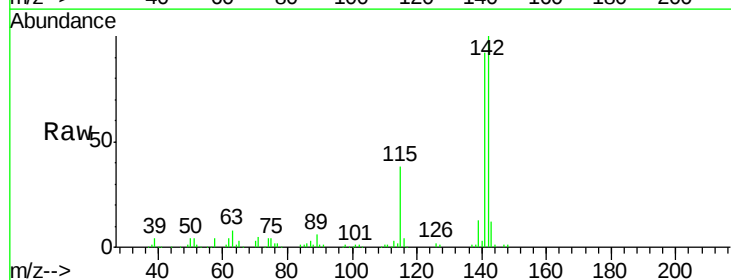
Instrument :
BNA_G
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MW-14DL

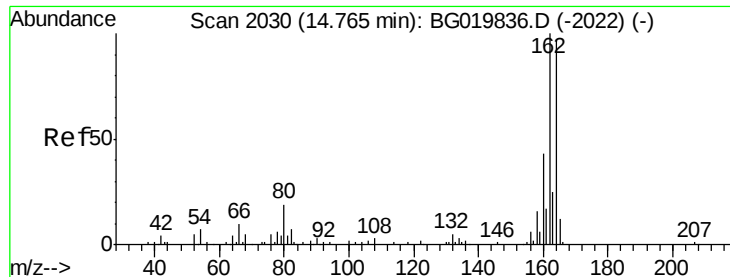
Tgt Ion:	127	Resp:	330913
Ion	Ratio	Lower	Upper
127	100		
129	80.8	24.6	37.0#
65	0.0	22.6	33.8#
92	0.0	15.1	22.7#



#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

Tgt 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

Instrument :

BNA_G

ClientSampleId :

MW-14DL

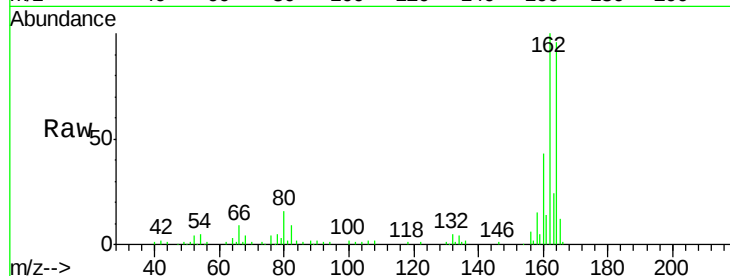
Tgt Ion:164 Resp: 63917

Ion Ratio Lower Upper

164 100

162 103.9 78.8 118.2

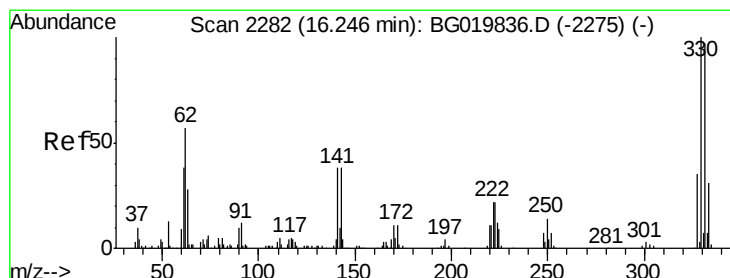
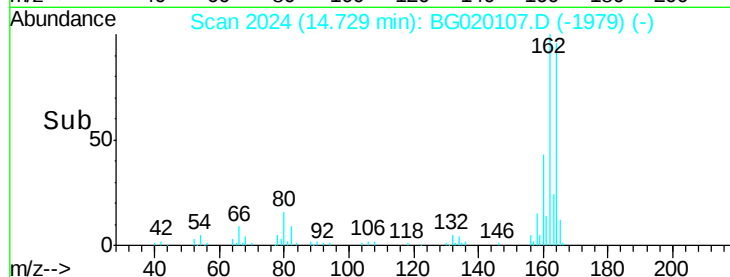
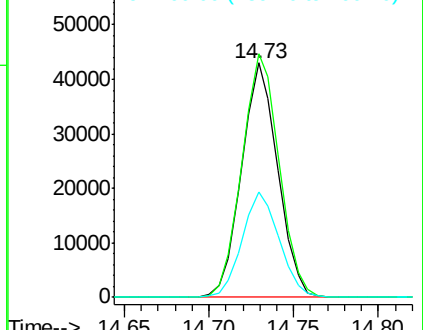
160 45.0 36.4 54.6



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: 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

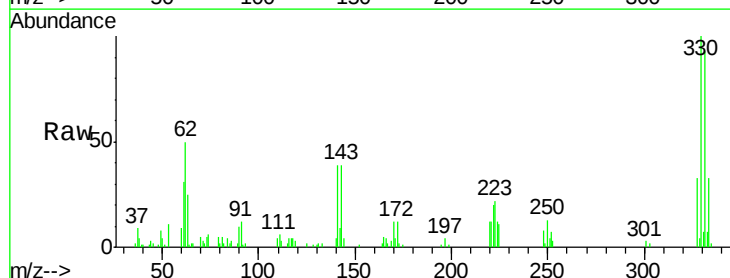
Tgt Ion:330 Resp: 21324

Ion Ratio Lower Upper

330 100

332 95.5 78.1 117.1

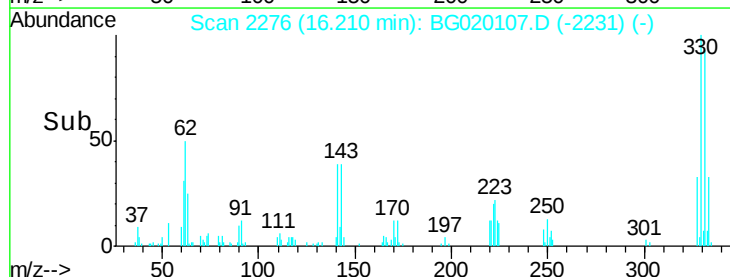
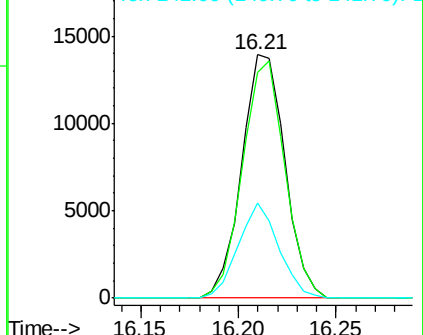
141 36.6 28.2 42.2

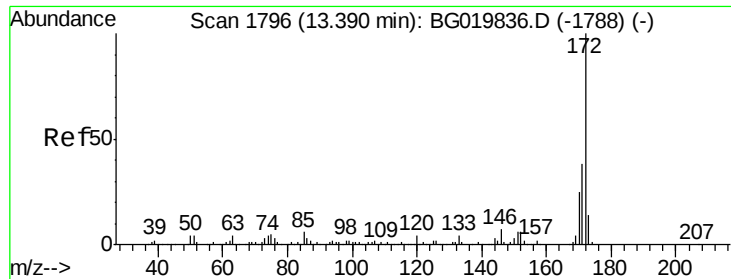


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

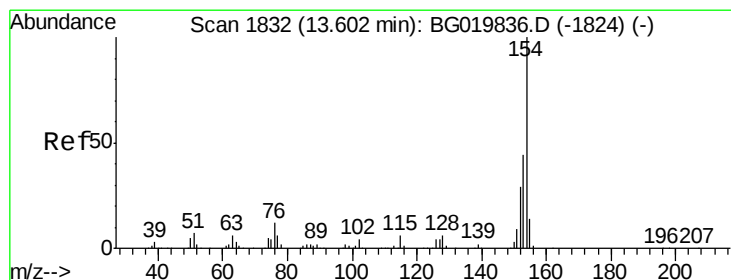
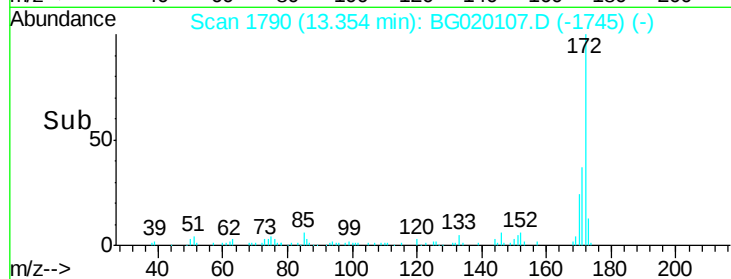
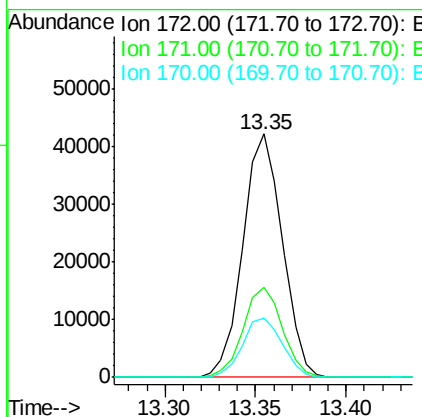
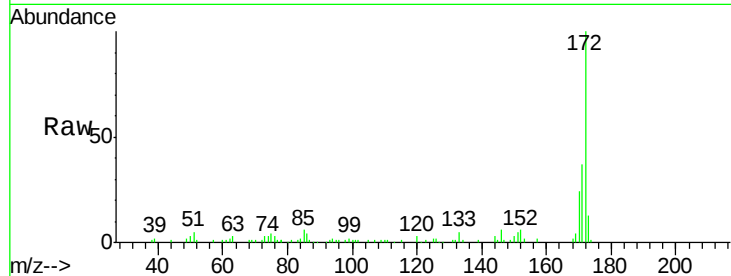




#44
2-Fluorobiphenyl
Concen: 13.60 ng
RT: 13.35 min Scan# 1790
Delta R.T. -0.04 min
Lab File: BG020107.D
Acq: 11 Dec 2015 15:17

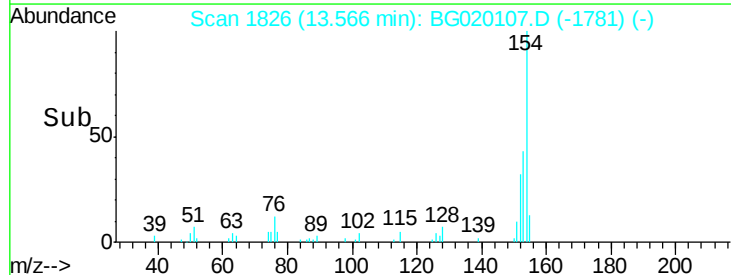
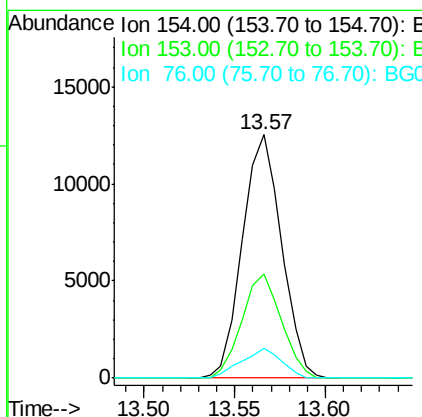
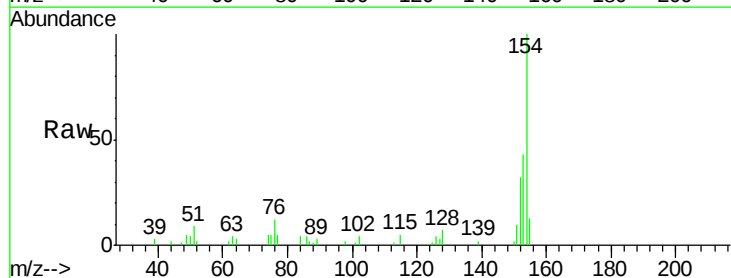
Instrument :
BNA_G
ClientSampleId :
MW-14DL

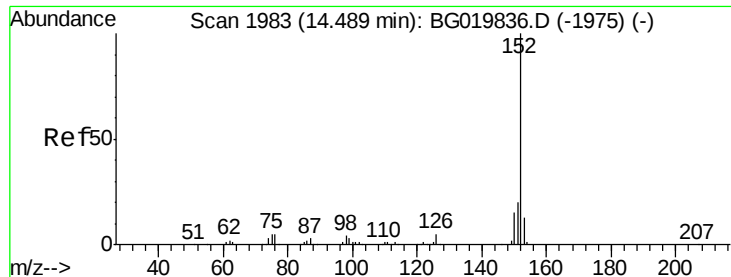
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.6
170	24.4	19.9	29.9



#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

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.7	21.9	61.9
76	12.1	0.0	33.2





#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

Instrument :

BNA_G

ClientSampleId :

MW-14DL

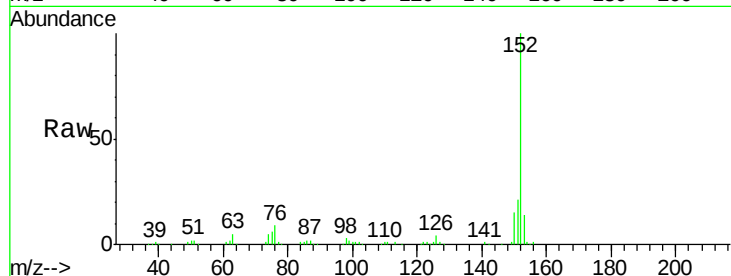
Tgt Ion:152 Resp: 172124

Ion Ratio Lower Upper

152 100

151 20.8 17.0 25.4

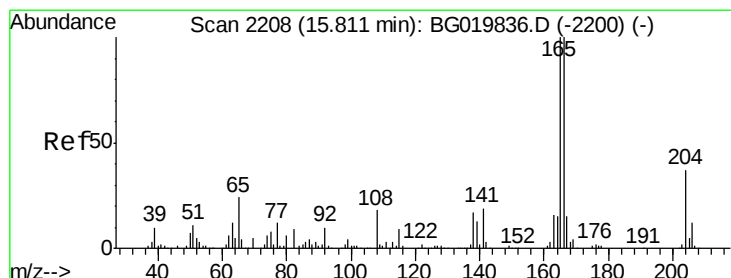
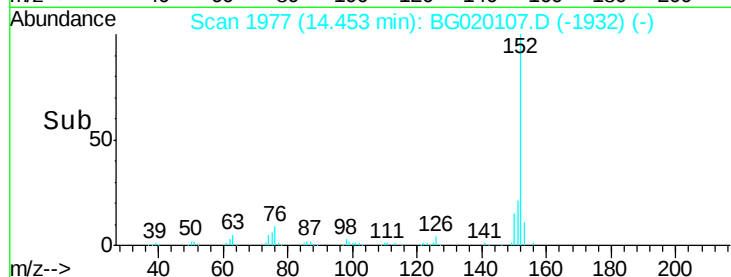
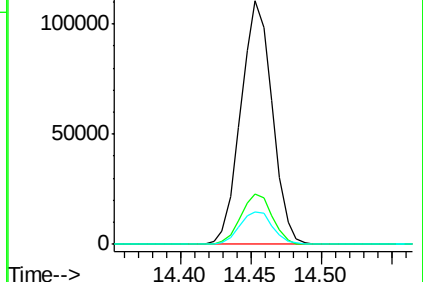
153 13.5 10.4 15.6



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

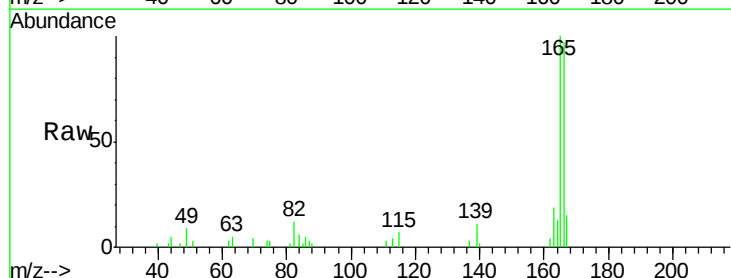
Tgt Ion:166 Resp: 12267

Ion Ratio Lower Upper

166 100

165 103.0 80.0 120.0

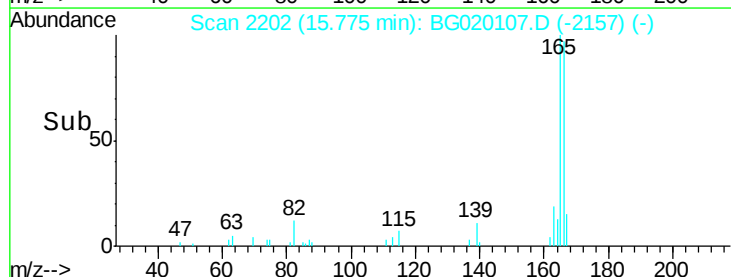
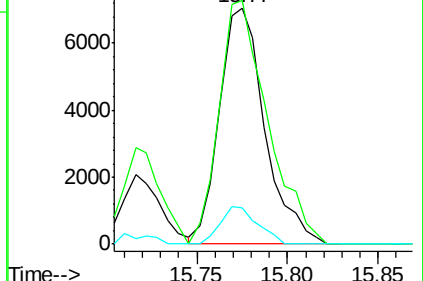
167 15.1 11.1 16.7

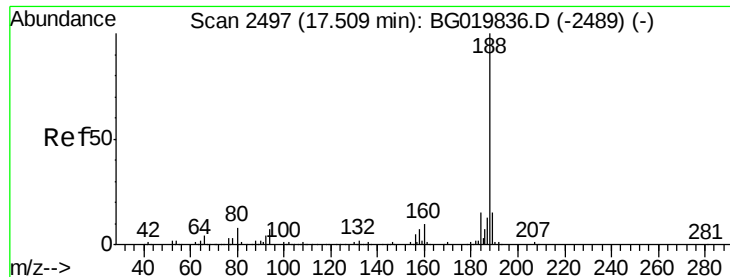


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

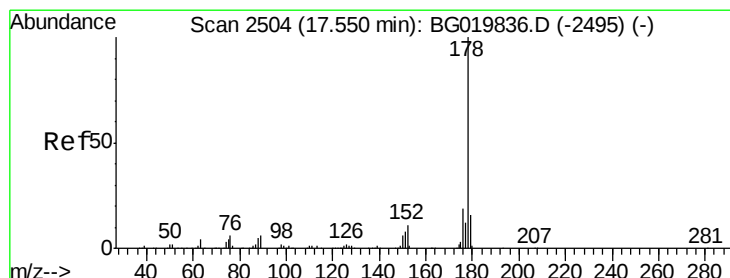
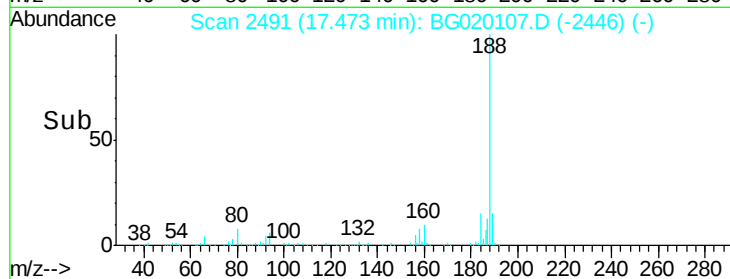
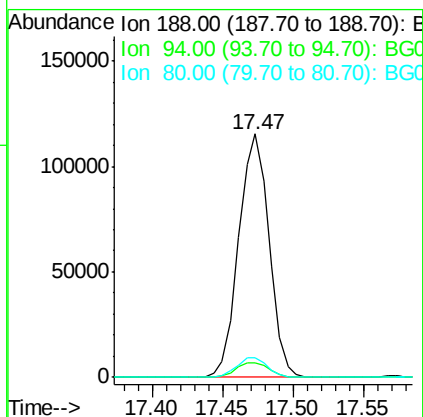
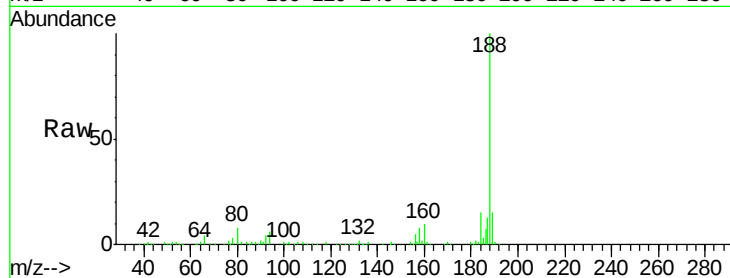




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.47 min Scan# 2491
Delta R.T. -0.04 min
Lab File: BG020107.D
Acq: 11 Dec 2015 15:17

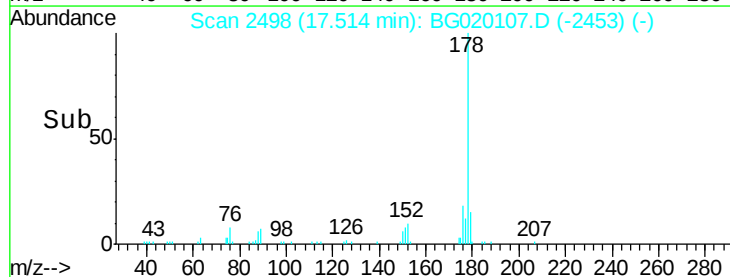
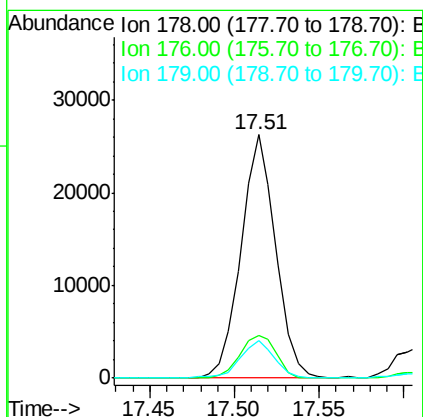
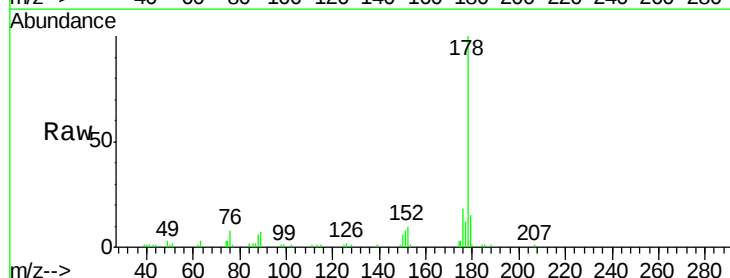
Instrument :
BNA_G
ClientSampleId :
MW-14DL

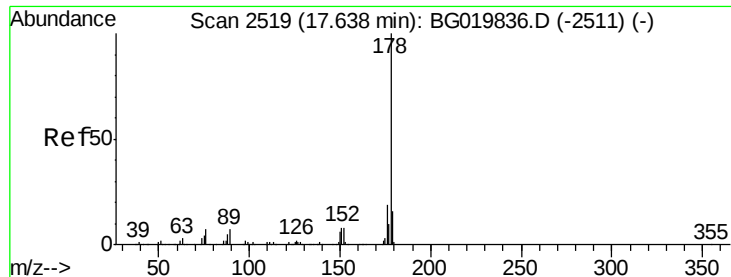
Tgt Ion:188 Resp: 173175
Ion Ratio Lower Upper
188 100
94 6.2 7.7 11.5#
80 8.3 7.8 11.8



#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

Tgt Ion:178 Resp: 37338
Ion Ratio Lower Upper
178 100
176 17.7 16.7 25.1
179 15.3 13.9 20.9

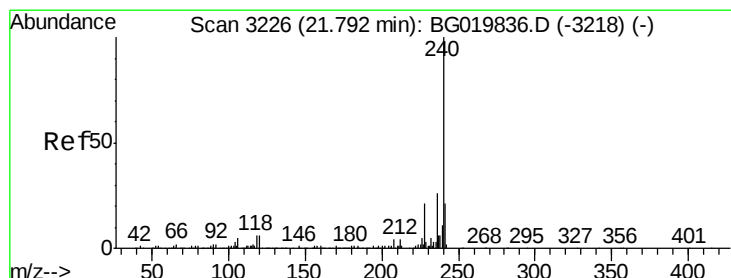
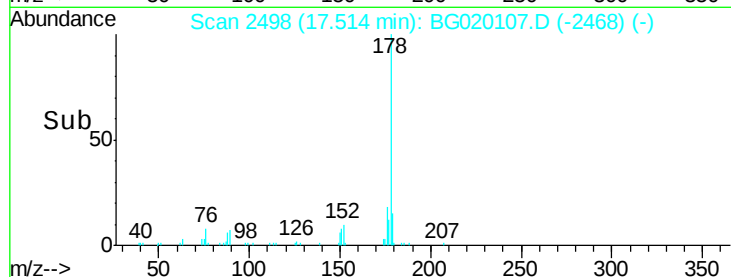
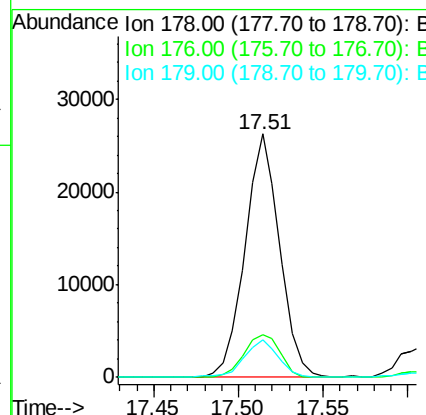
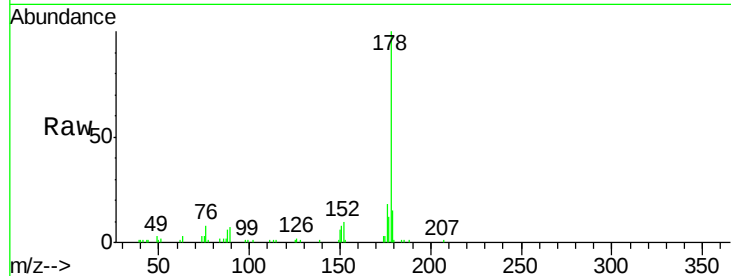




#71
 Anthracene
 Concen: 3.74 ng
 RT: 17.51 min Scan# 2498
 Delta R.T. -0.12 min
 Lab File: BG020107.D
 Acq: 11 Dec 2015 15:17

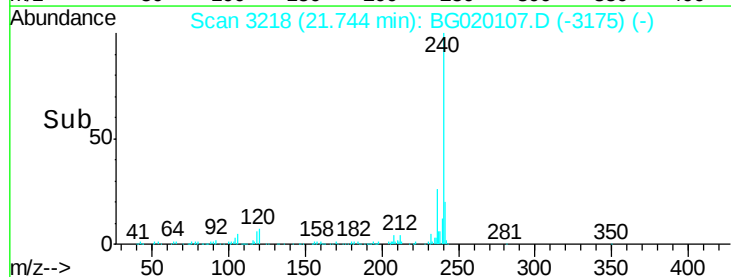
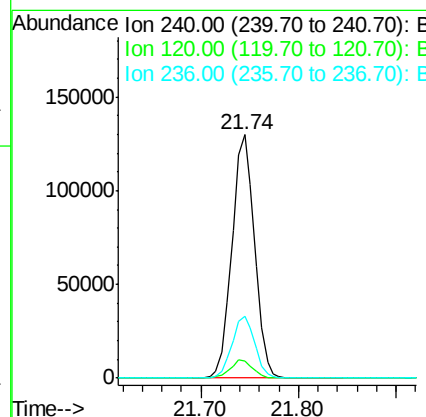
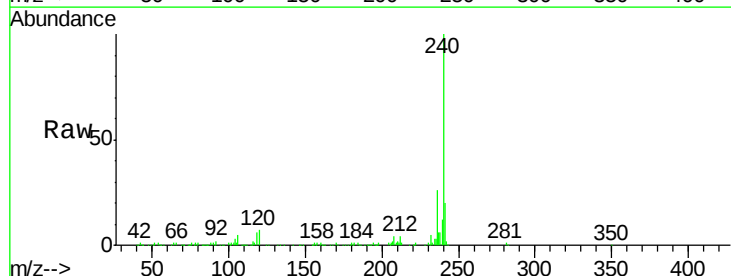
Instrument :
 BNA_G
 ClientSampleId :
 MW-14DL

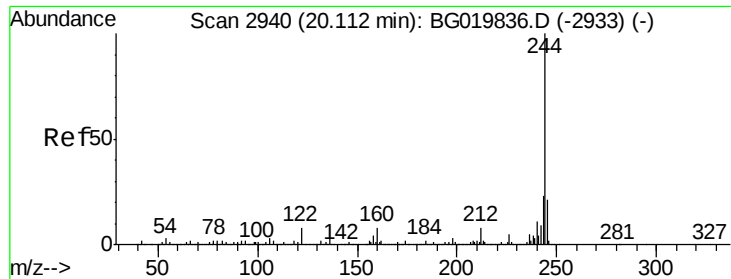
Tgt Ion:178 Resp: 37338
 Ion Ratio Lower Upper
 178 100
 176 17.7 16.8 25.2
 179 15.3 13.9 20.9



#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





#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

ClientSampleId :

MW-14DL

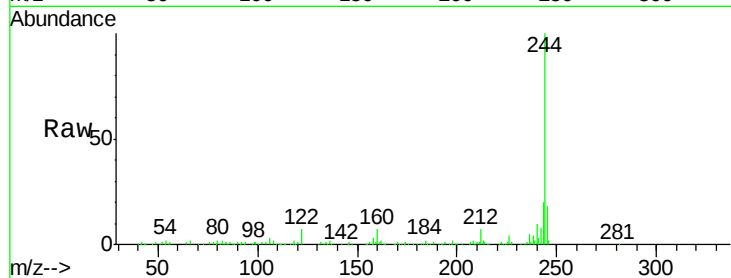
Tgt Ion:244 Resp: 130173

Ion Ratio Lower Upper

244 100

212 6.9 6.9 10.3

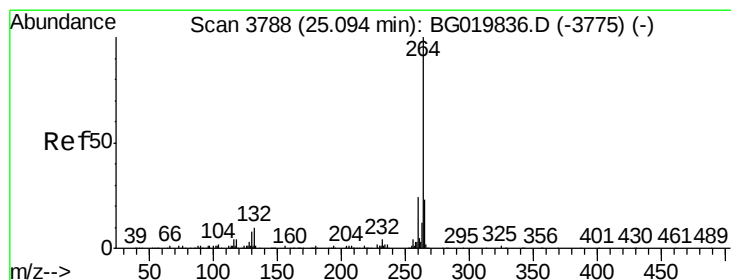
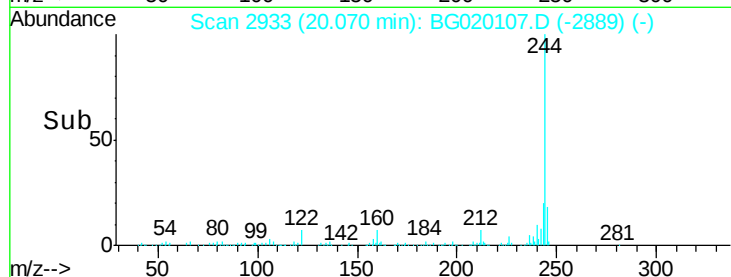
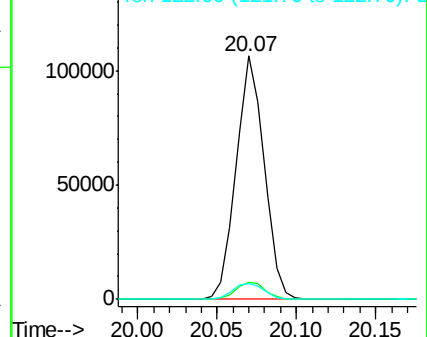
122 6.6 10.2 15.2#



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

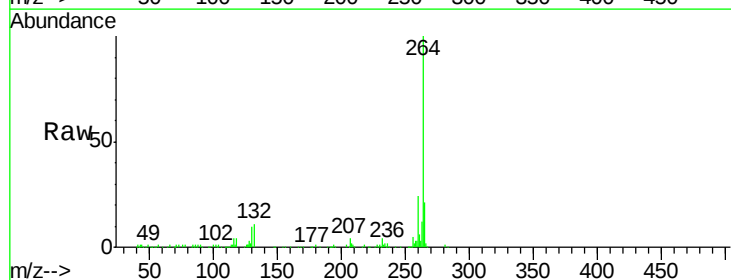
Tgt Ion:264 Resp: 196930

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

