

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020314.D
 Acq On : 19 Dec 2015 16:32
 Operator : UM/SJ
 Sample : G4849-07
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N71

Quant Time: Dec 20 04:53:47 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 20 04:48:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	19215	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	83279	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	61662	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	154605	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	199828	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	188740	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	2058	5.91	ng/uL	0.00
5) Phenol-d5	7.24	99	49466	29.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	33372	33.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	40713	33.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	43751	30.19	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	22801	35.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	25842	35.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	48736	33.31	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	63207	38.45	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	170603	34.21	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	199571	34.39	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	26966	30.15	ng/ul	0.00
58) Fluorene-d10	15.71	176	153451	33.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	26281	28.67	ng/ul	0.00
71) Anthracene-d10	17.57	188	244110	34.27	ng/ul	0.00
79) Pyrene-d10	19.85	212	295987	31.78	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	342309	36.36	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.96	128	378691	87.08	ng/ul	97
30) 4-Chloroaniline	10.96	127	52076	31.04	ng/ul#	9
34) 2-Methylnaphthalene	12.56	142	118691	35.73	ng/ul	99
35) 1-Methylnaphthalene	12.77	142	56635	17.73	ng/ul#	98
41) 1,1'-Biphenyl	13.56	154	45580	9.80	ng/ul	97
45) Dimethylphthalate	14.17	163	43071	8.46	ng/ul	97
48) Acenaphthylene	14.44	152	13166	2.14	ng/ul#	95
50) Acenaphthene	14.79	153	210038	50.64	ng/ul	99
54) Dibenzofuran	15.12	168	216857	35.14	ng/ul	99
59) Fluorene	15.77	166	203088	40.99	ng/ul	99
61) 4-Nitroaniline	15.77	138	2618	2.37	ng/ul#	10
70) Phenanthrene	17.52	178	927122	109.63	ng/ul	97
72) Anthracene	17.60	178	91103	10.62	ng/ul	99
75) Carbazole	17.87	167	60446	8.39	ng/ul	99
77) Fluoranthene	19.51	202	572761	57.95	ng/ul	99
80) Pyrene	19.88	202	385814	31.90	ng/ul	99
83) Benzo(a)anthracene	21.72	228	93328	8.00	ng/ul	98
85) Chrysene	21.79	228	76580	6.97	ng/ul	99
88) Benzo(b)fluoranthene	23.97	252	41401	3.64	ng/ul	98
89) Benzo(k)fluoranthene	23.97	252	41401	3.80	ng/ul	98
91) Benzo(a)pyrene	24.85	252	23279	2.16	ng/ul#	97

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Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 20 04:48:33 2015
Response via : Initial Calibration

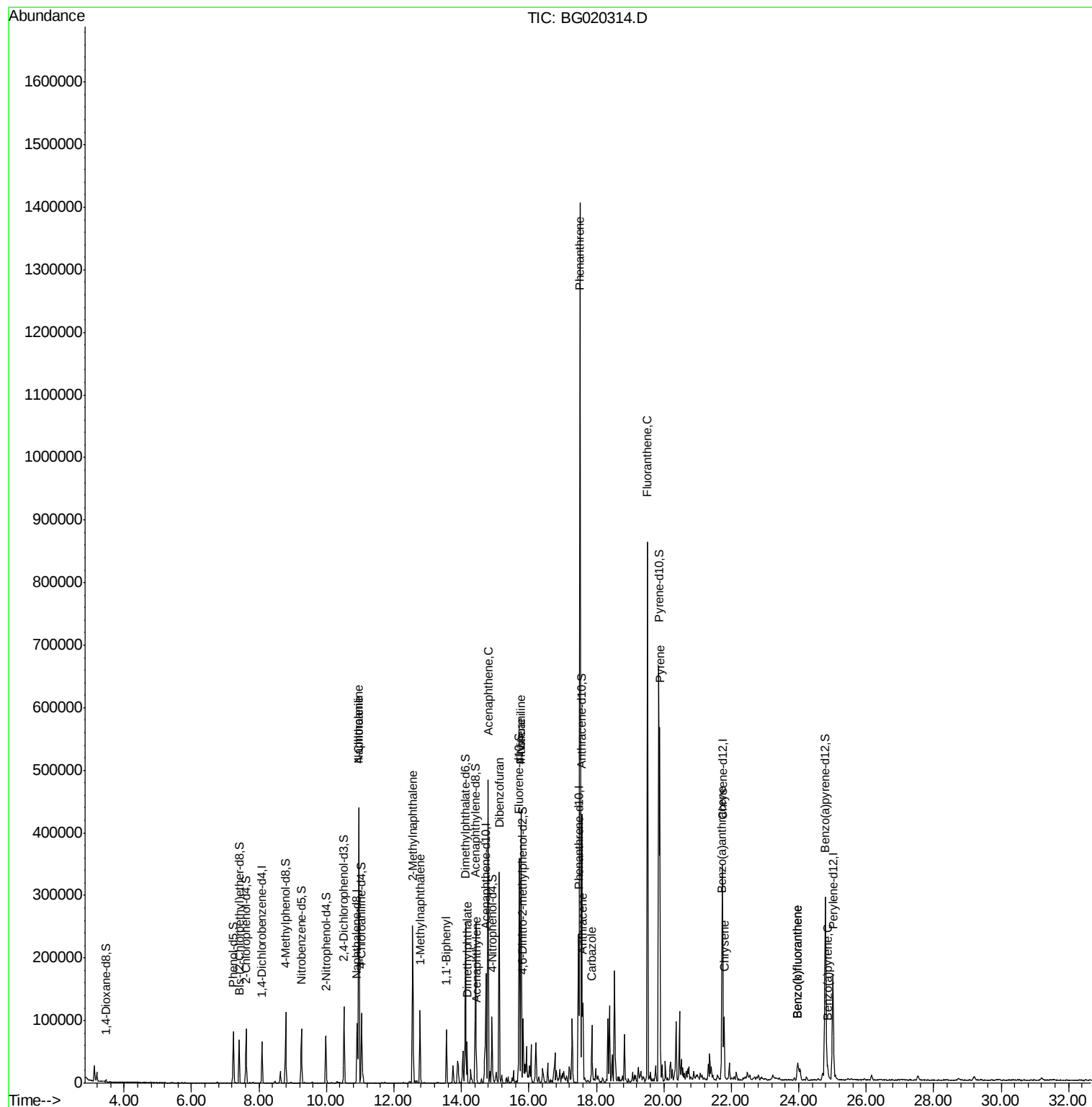
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

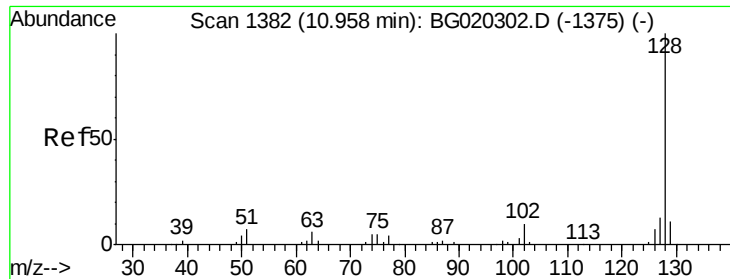
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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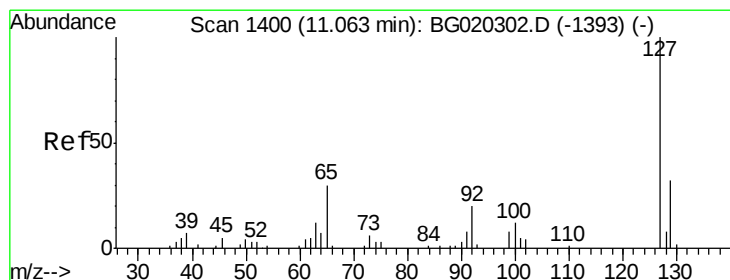
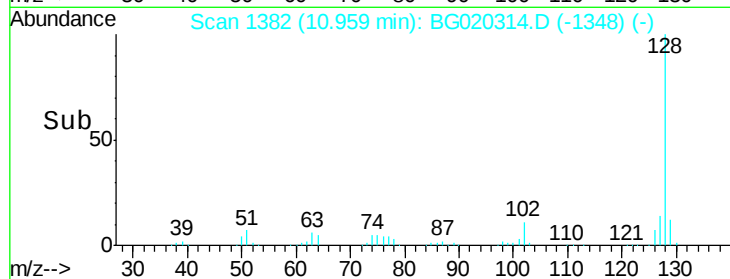
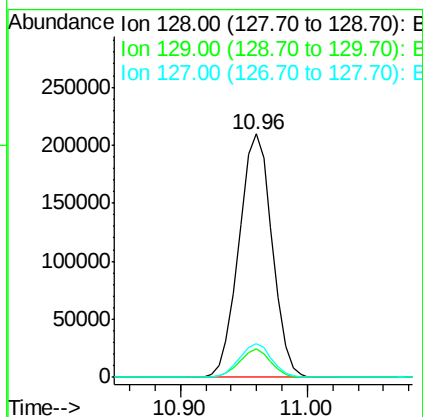
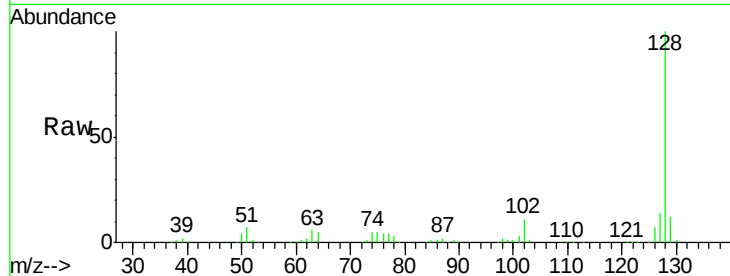




#28
Naphthalene
Concen: 87.08 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

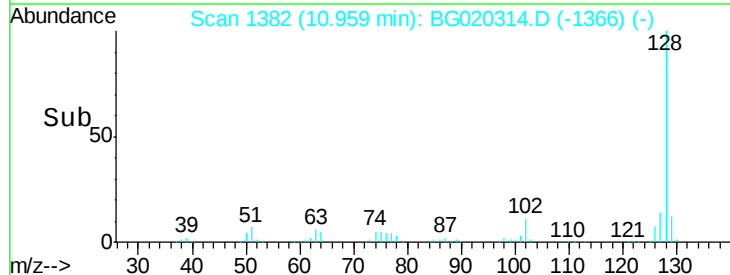
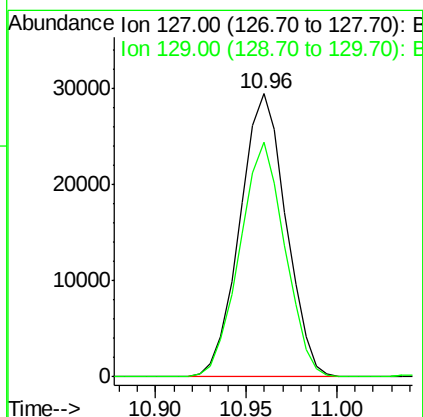
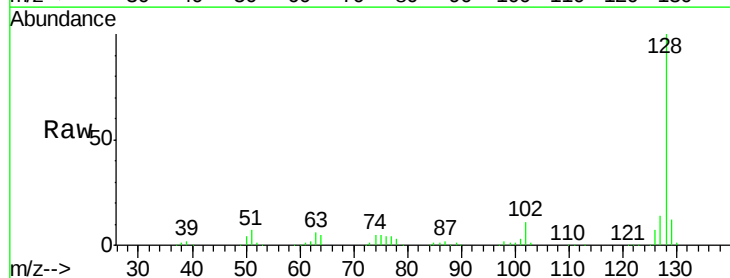
Instrument :
BNA_G
ClientSampleId :
D9N71

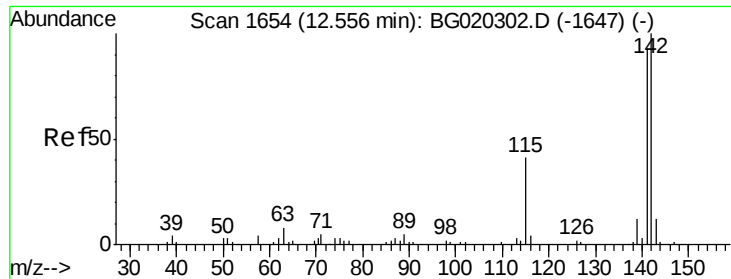
Tgt Ion:128 Resp: 378691
Ion Ratio Lower Upper
128 100
129 11.6 8.6 12.8
127 14.0 10.1 15.1



#30
4-Chloroaniline
Concen: 31.04 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.10 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:127 Resp: 52076
Ion Ratio Lower Upper
127 100
129 82.9 25.7 38.5#

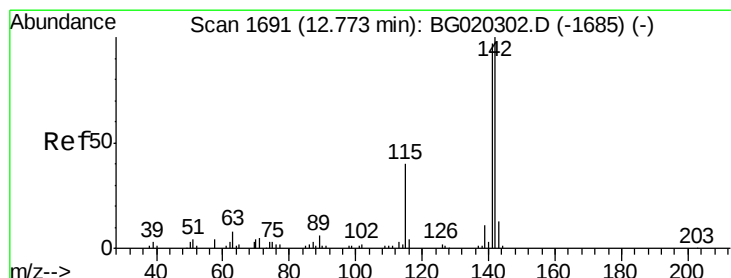
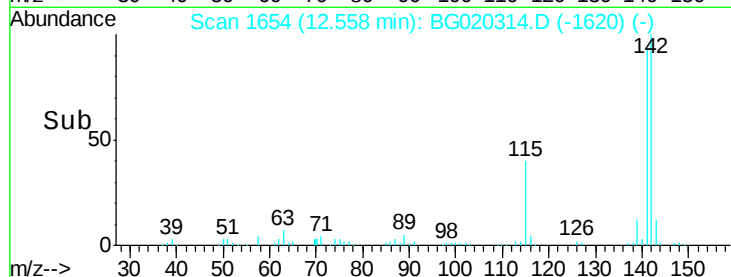
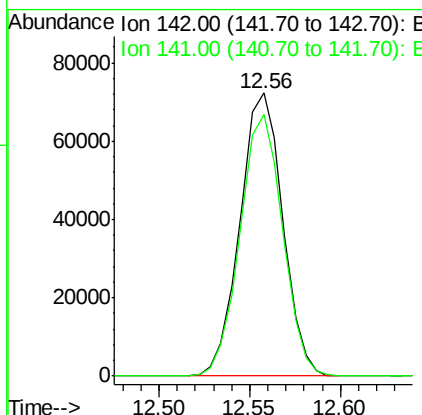
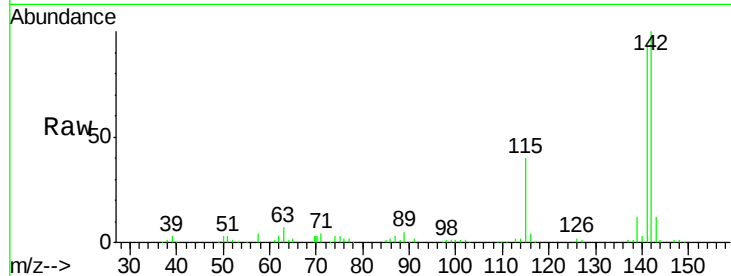




#34
2-Methylnaphthalene
Concen: 35.73 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. 0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

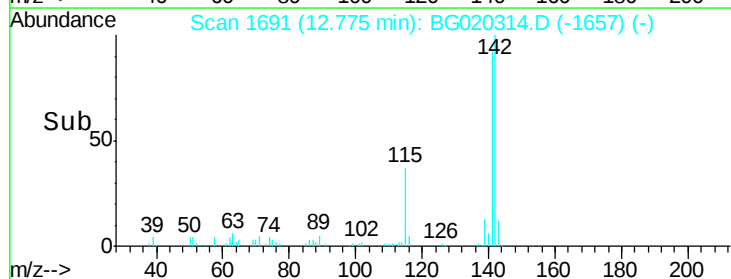
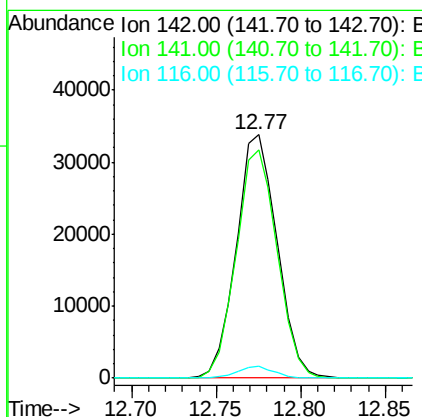
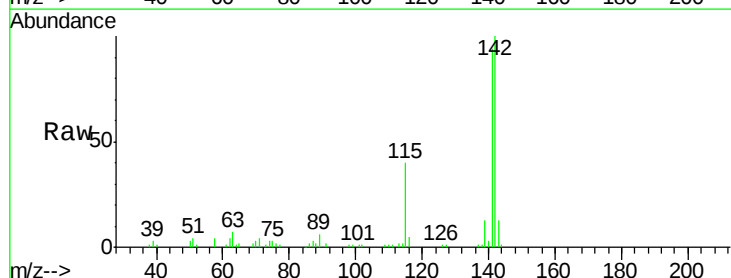
Instrument :
BNA_G
ClientSampleId :
D9N71

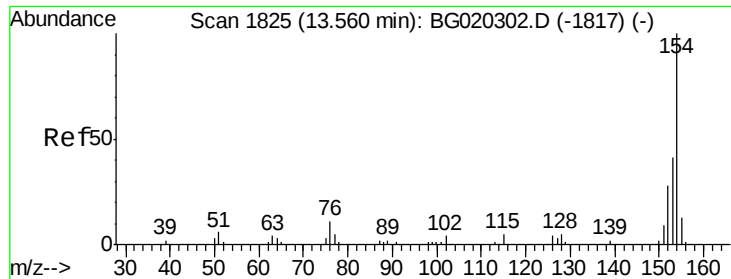
Tgt Ion:142 Resp: 118691
Ion Ratio Lower Upper
142 100
141 92.6 74.9 112.3



#35
1-Methylnaphthalene
Concen: 17.73 ng/ul
RT: 12.77 min Scan# 1691
Delta R.T. 0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:142 Resp: 56635
Ion Ratio Lower Upper
142 100
141 93.6 73.0 109.6
116 4.8 3.0 4.6#

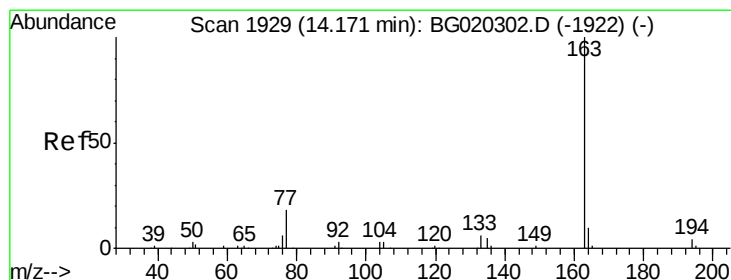
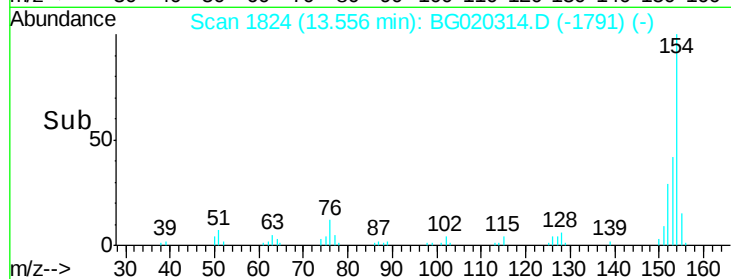
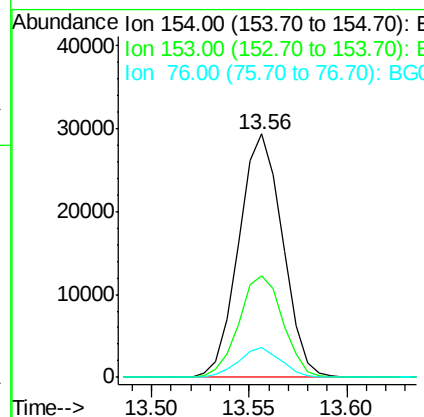
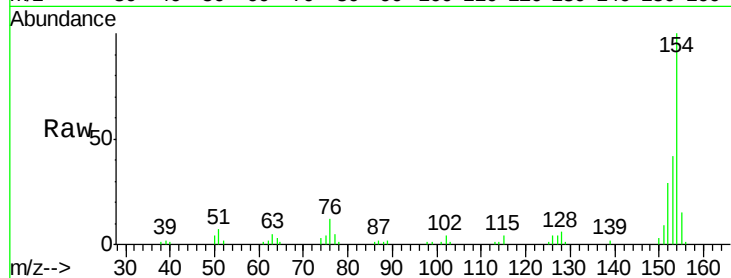




#41
 1,1'-Biphenyl
 Concen: 9.80 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG020314.D
 Acq: 19 Dec 2015 16:32

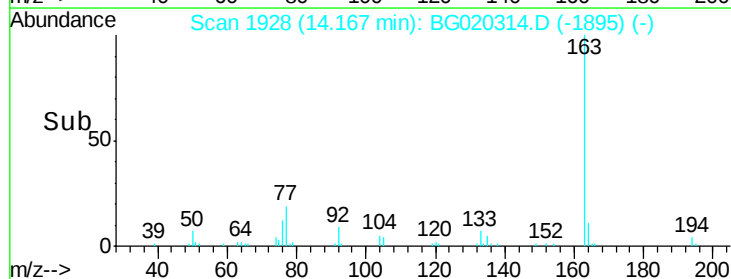
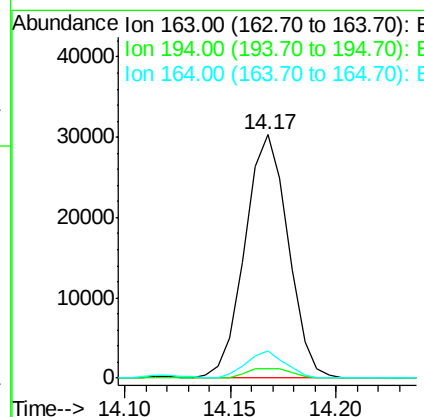
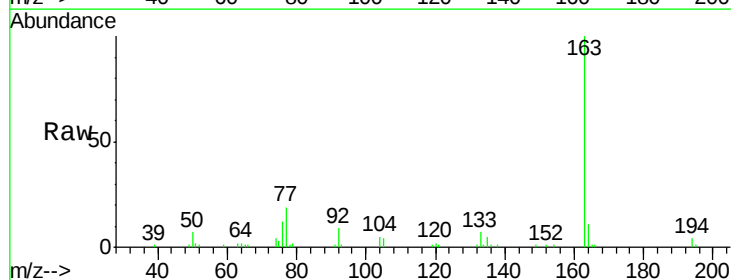
Instrument :
 BNA_G
 ClientSampleId :
 D9N71

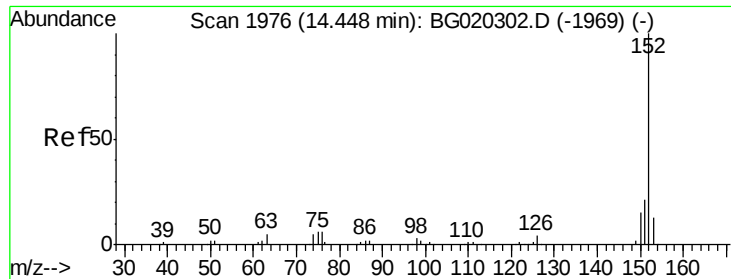
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.8	35.5	53.3
76	12.3	10.4	15.6



#45
 Dimethylphthalate
 Concen: 8.46 ng/ul
 RT: 14.17 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: BG020314.D
 Acq: 19 Dec 2015 16:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.5	5.3
164	11.2	7.7	11.5





#48

Acenaphthylene

Concen: 2.14 ng/ul

RT: 14.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG020314.D

Acq: 19 Dec 2015 16:32

Instrument :

BNA_G

ClientSampleId :

D9N71

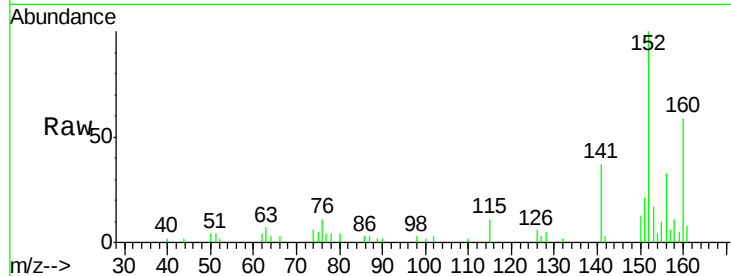
Tgt Ion:152 Resp: 13166

Ion Ratio Lower Upper

152 100

151 21.0 16.4 24.6

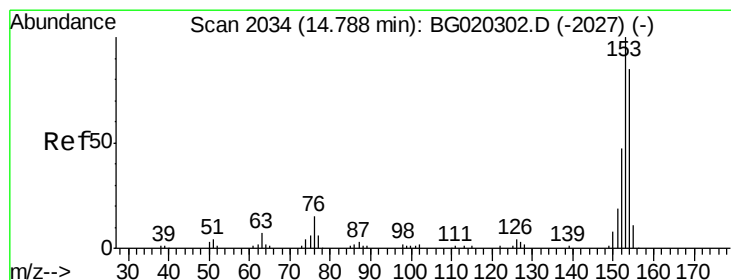
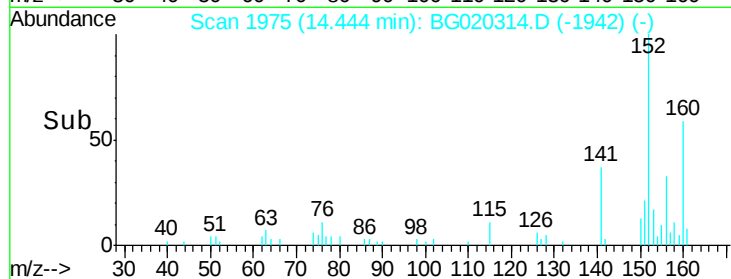
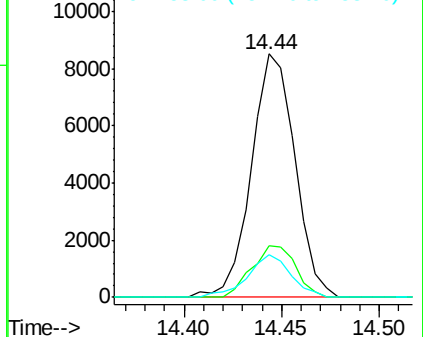
153 17.4 10.4 15.6#



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



#50

Acenaphthene

Concen: 50.64 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020314.D

Acq: 19 Dec 2015 16:32

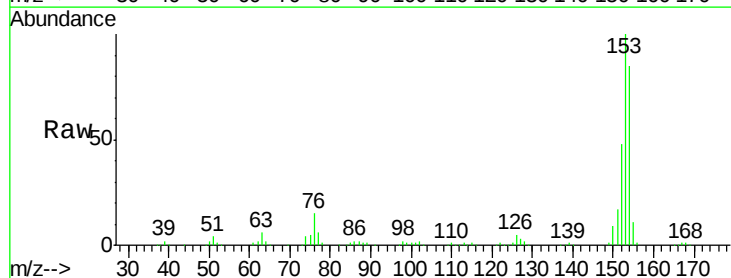
Tgt Ion:153 Resp: 210038

Ion Ratio Lower Upper

153 100

152 47.8 37.6 56.4

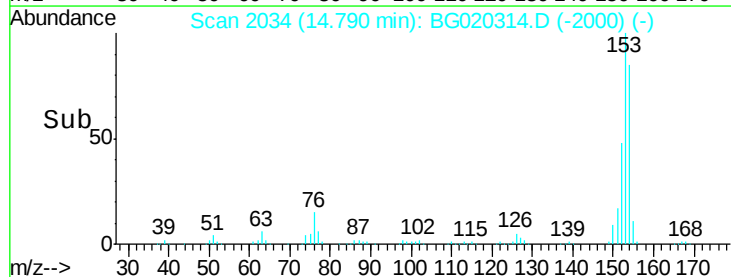
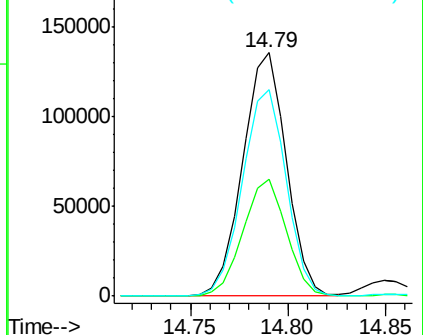
154 84.8 67.9 101.9

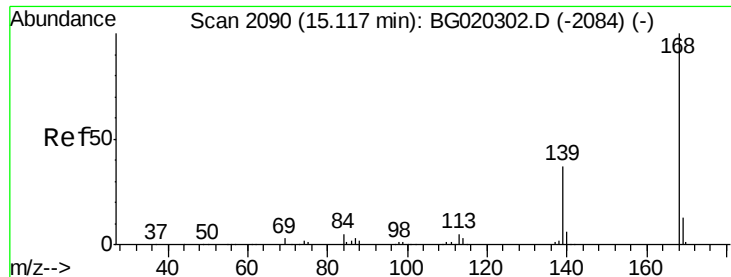


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

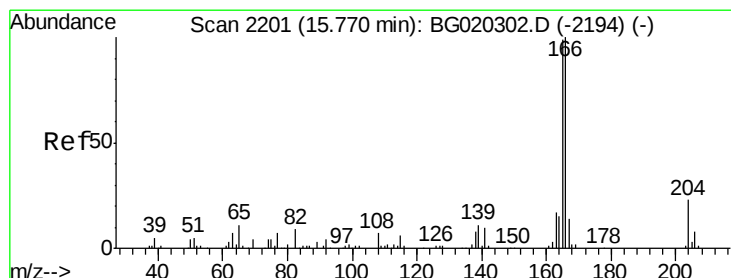
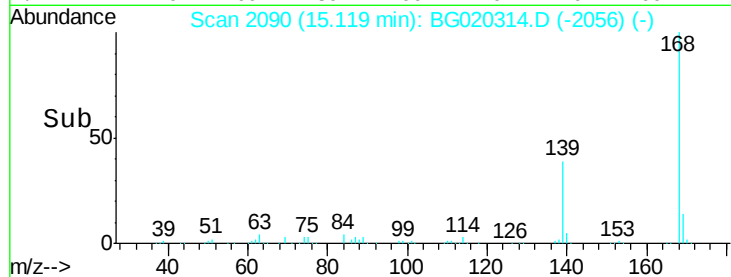
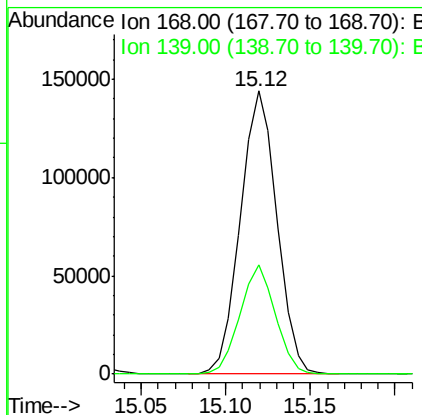
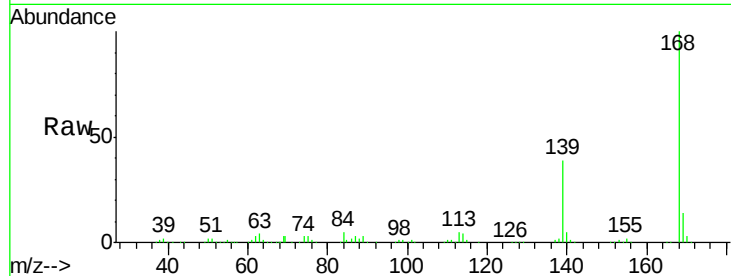




#54
Dibenzenofuran
Concen: 35.14 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. 0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

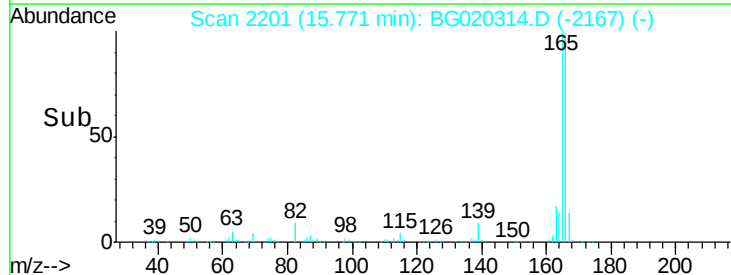
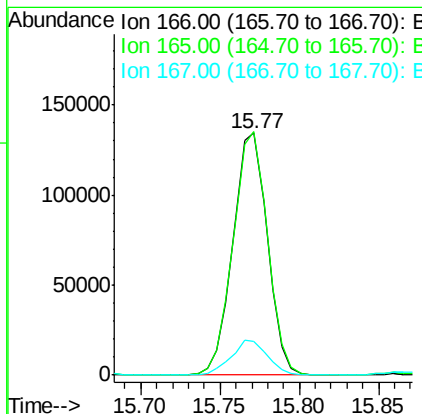
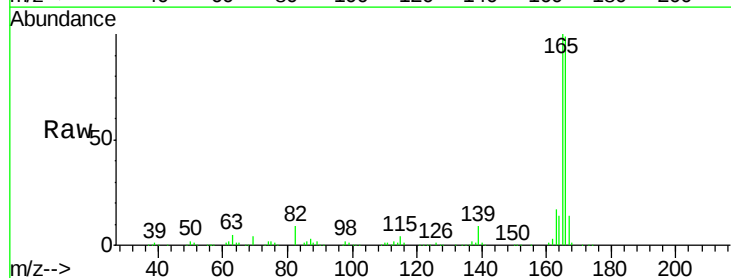
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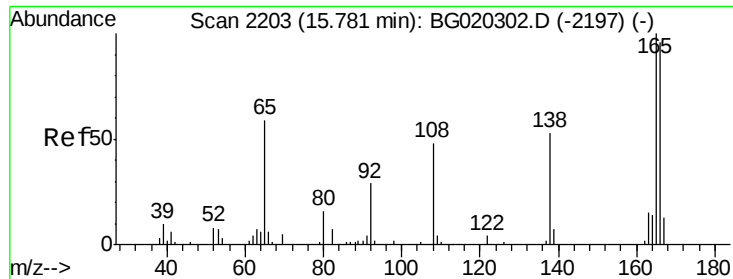
Tgt Ion:168 Resp: 216857
Ion Ratio Lower Upper
168 100
139 38.7 30.5 45.7



#59
Fluorene
Concen: 40.99 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:166 Resp: 203088
Ion Ratio Lower Upper
166 100
165 100.6 81.4 122.0
167 13.8 11.2 16.8

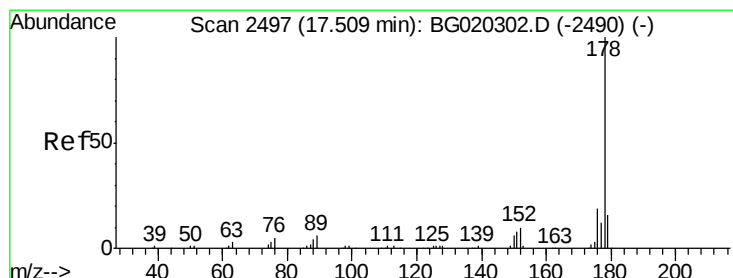
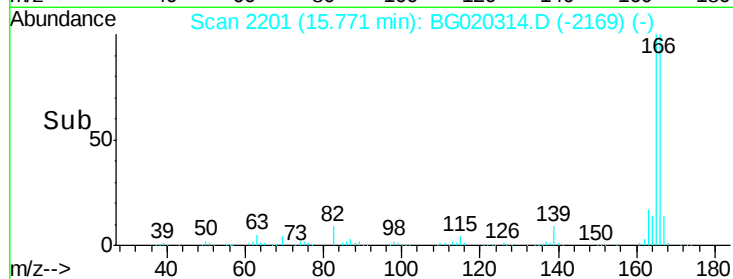
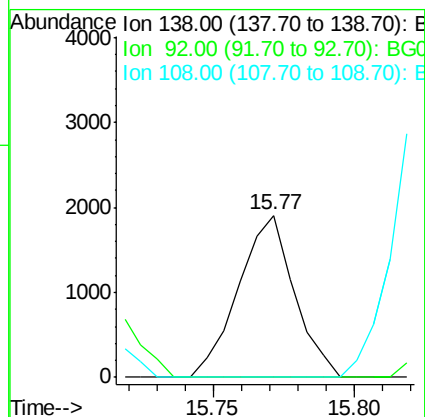
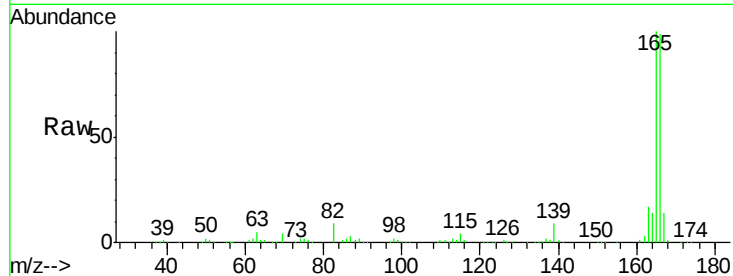




#61
4-Nitroaniline
Concen: 2.37 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

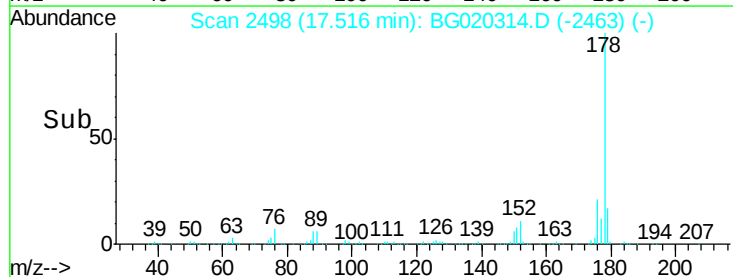
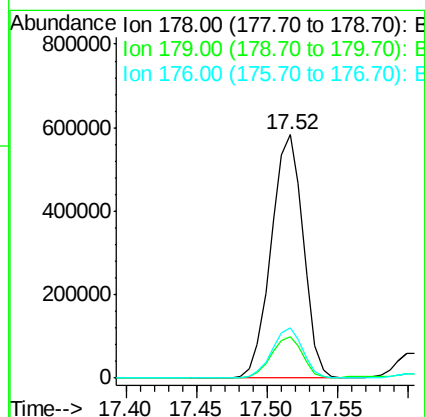
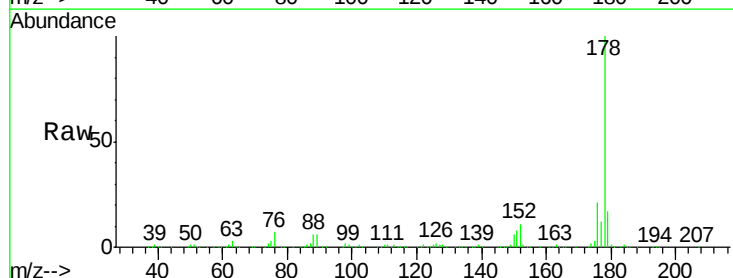
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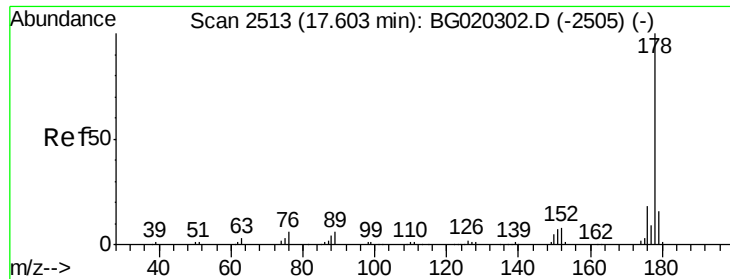
Tgt Ion:138 Resp: 2618
Ion Ratio Lower Upper
138 100
92 0.0 45.2 67.8#
108 0.0 75.4 113.0#



#70
Phenanthrene
Concen: 109.63 ng/ul
RT: 17.52 min Scan# 2498
Delta R.T. 0.01 min
Lab File: BG020314.D
Acq: 19 Dec 2015 16:32

Tgt Ion:178 Resp: 927122
Ion Ratio Lower Upper
178 100
179 17.1 12.9 19.3
176 20.8 15.3 22.9





#72

Anthracene

Concen: 10.62 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG020314.D

Acq: 19 Dec 2015 16:32

Instrument :

BNA_G

ClientSampleId :

D9N71

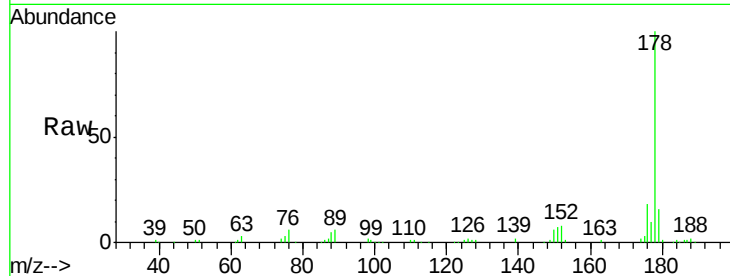
Tgt Ion:178 Resp: 91103

Ion Ratio Lower Upper

178 100

179 16.5 12.3 18.5

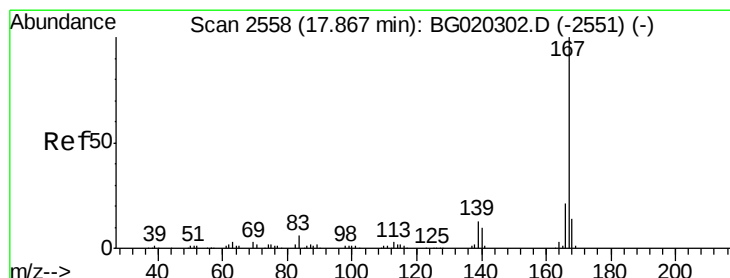
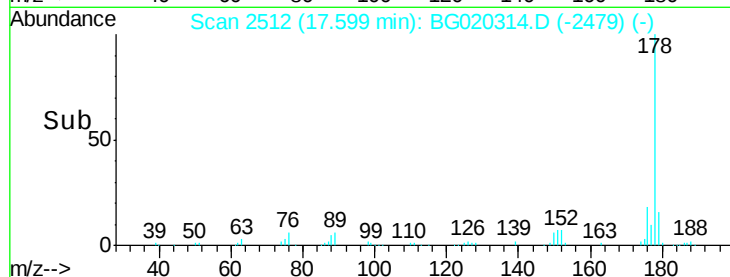
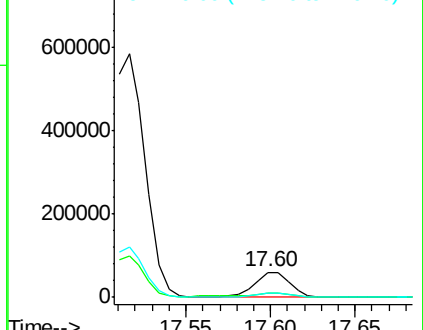
176 17.9 14.3 21.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 8.39 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BG020314.D

Acq: 19 Dec 2015 16:32

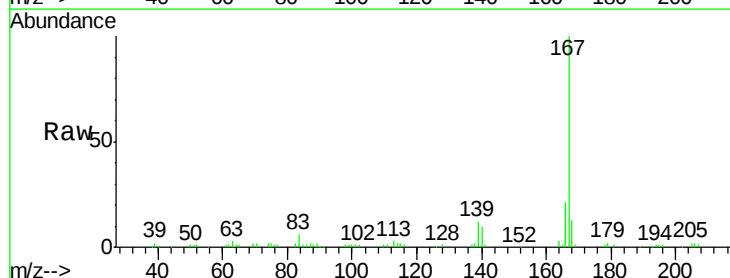
Tgt Ion:167 Resp: 60446

Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.6

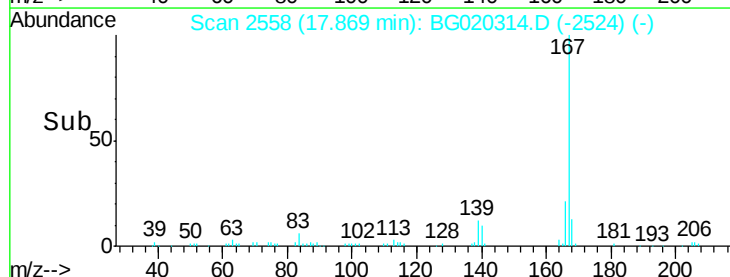
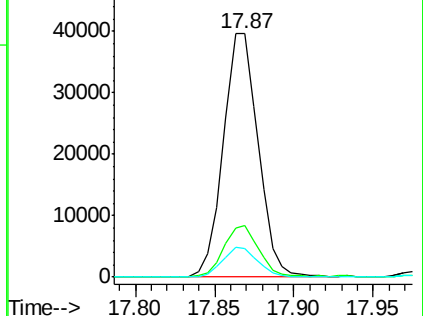
139 11.7 10.1 15.1

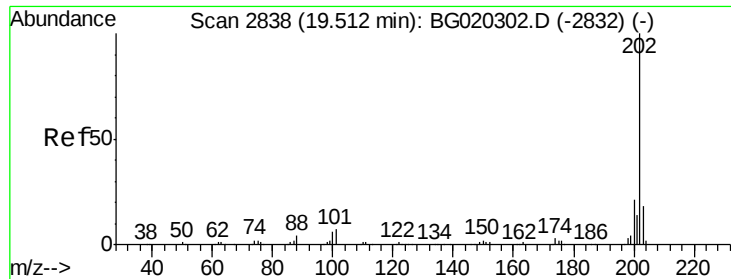


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

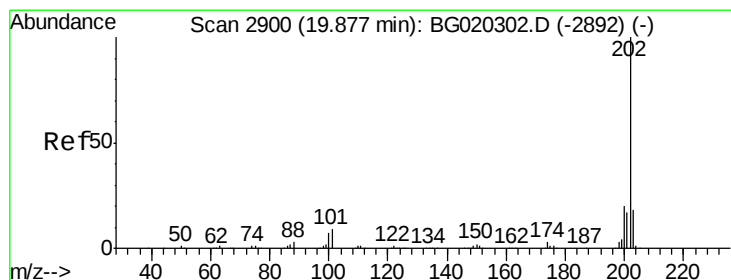
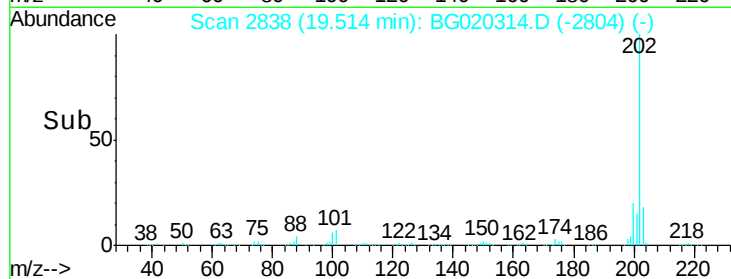
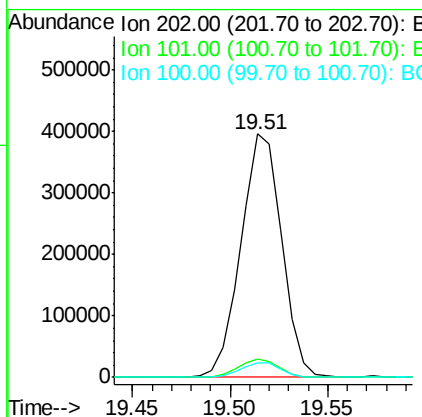
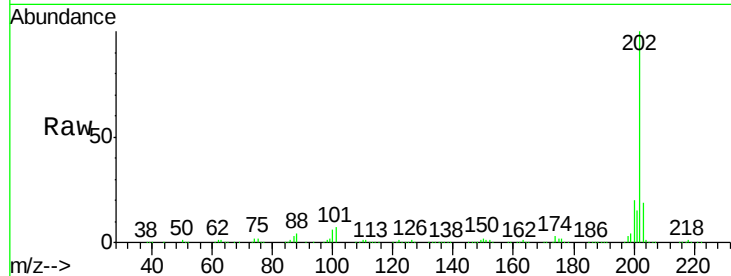




#77
Fluoranthene
 Concen: 57.95 ng/ul
 RT: 19.51 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: BG020314.D
 Acq: 19 Dec 2015 16:32

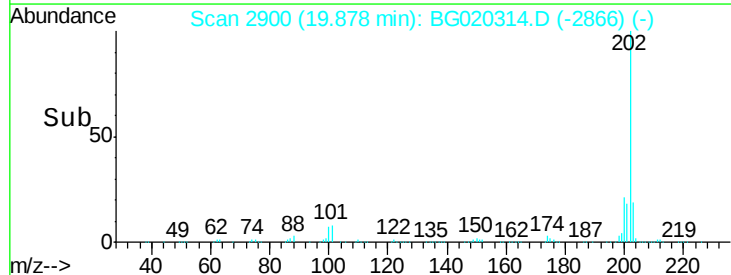
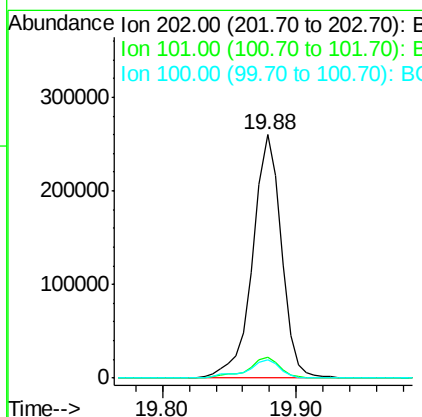
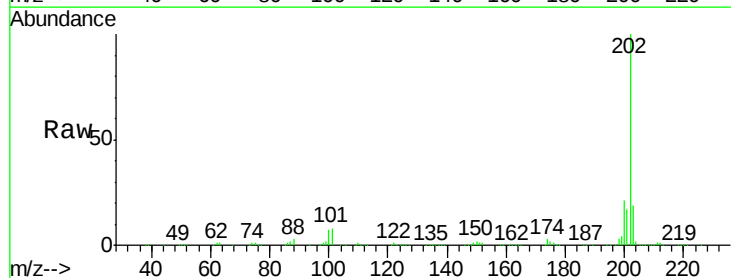
Instrument :
 BNA_G
 ClientSampleId :
 D9N71

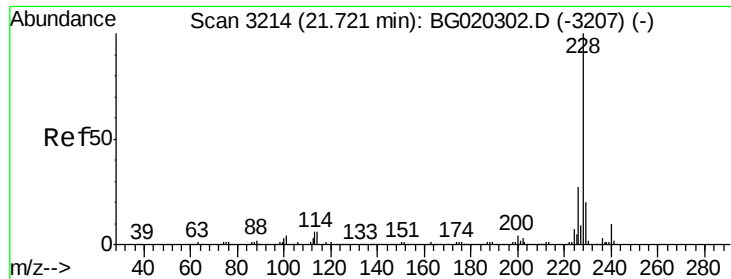
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	6.2	9.4
100	5.8	5.1	7.7



#80
Pyrene
 Concen: 31.90 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: BG020314.D
 Acq: 19 Dec 2015 16:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.0	10.4
100	7.3	6.4	9.6





#83

Benzo(a)anthracene

Concen: 8.00 ng/ul

RT: 21.72 min Scan# 3213

Delta R.T. -0.00 min

Lab File: BG020314.D

Acq: 19 Dec 2015 16:32

Instrument :

BNA_G

ClientSampleId :

D9N71

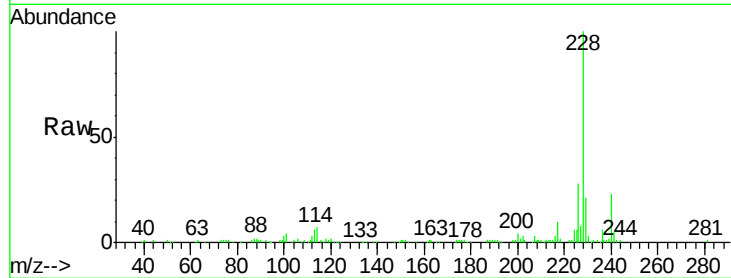
Tgt Ion:228 Resp: 93328

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.8

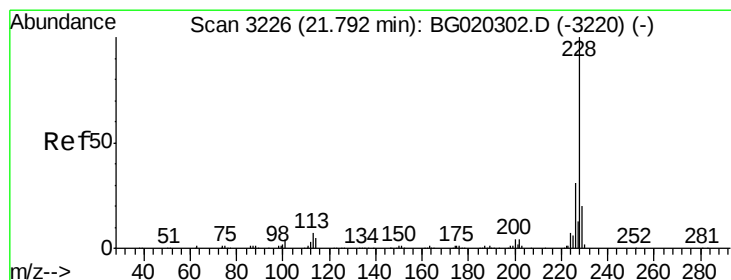
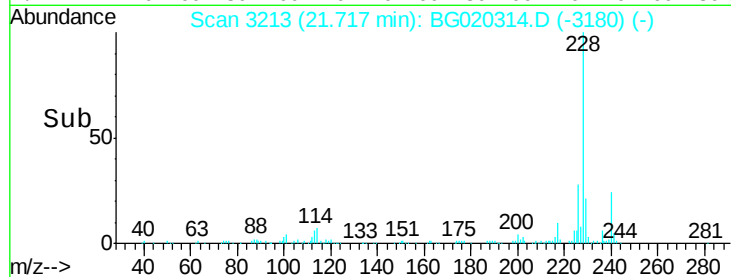
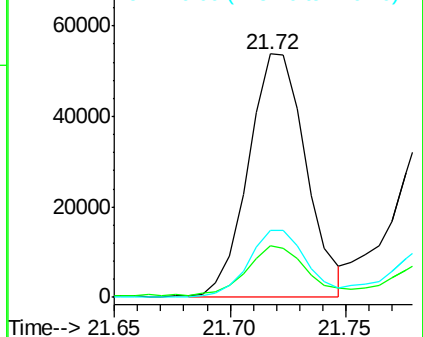
226 27.7 21.8 32.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 6.97 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BG020314.D

Acq: 19 Dec 2015 16:32

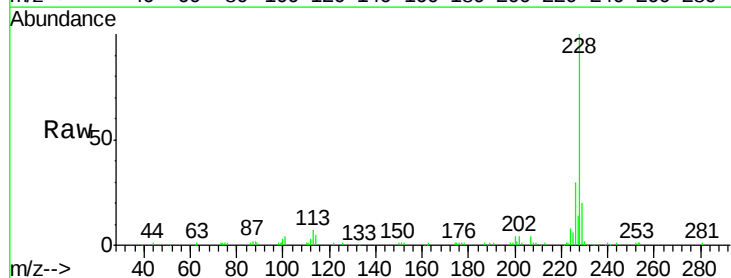
Tgt Ion:228 Resp: 76580

Ion Ratio Lower Upper

228 100

226 30.2 23.9 35.9

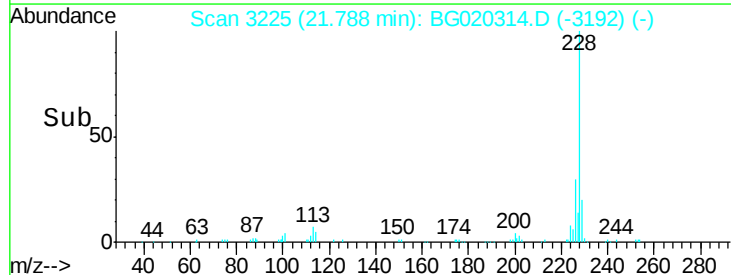
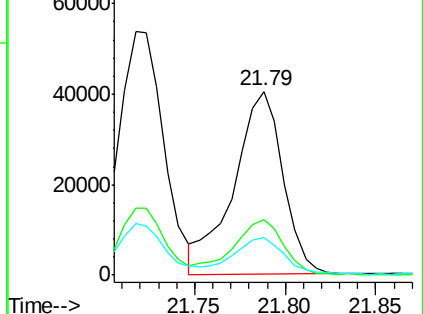
229 20.5 15.6 23.4

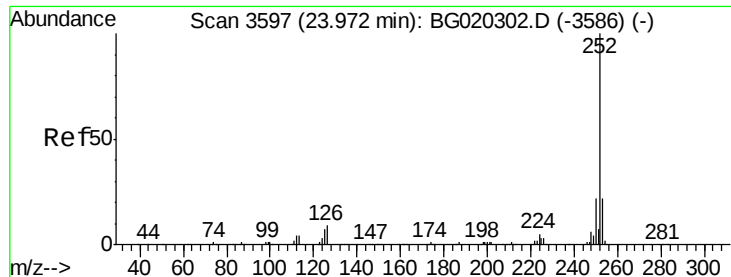


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 3.64 ng/u1

RT: 23.97 min Scan# 3596

Delta R.T. -0.00 min

Lab File: BG020314.D

Acq: 19 Dec 2015 16:32

Instrument :

BNA_G

ClientSampleId :

D9N71

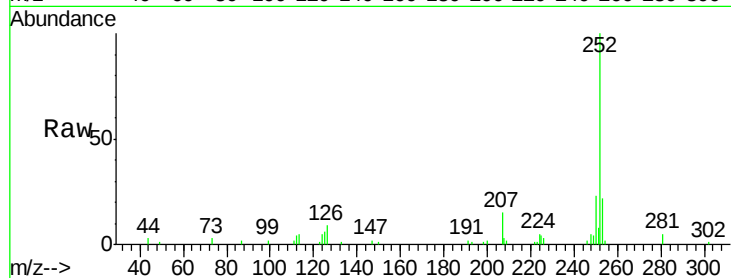
Tgt Ion:252 Resp: 41401

Ion Ratio Lower Upper

252 100

253 21.7 16.7 25.1

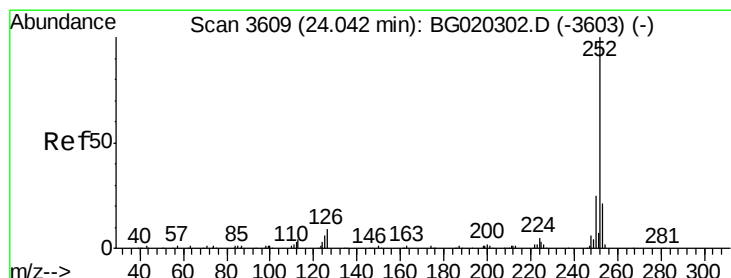
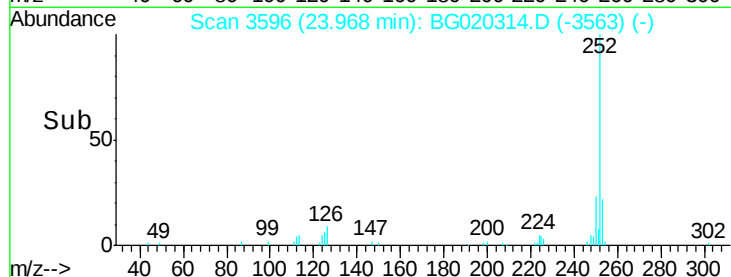
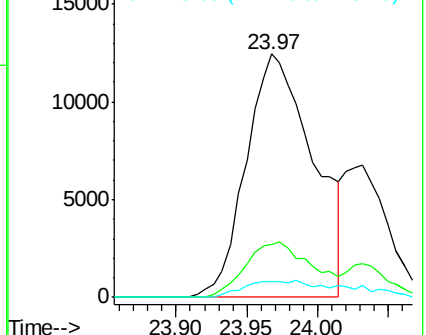
125 6.3 6.2 9.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 3.80 ng/u1

RT: 23.97 min Scan# 3596

Delta R.T. -0.07 min

Lab File: BG020314.D

Acq: 19 Dec 2015 16:32

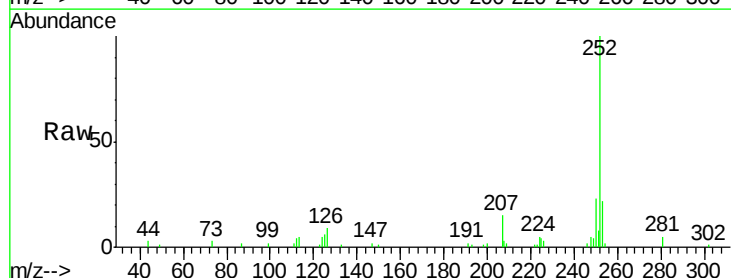
Tgt Ion:252 Resp: 41401

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

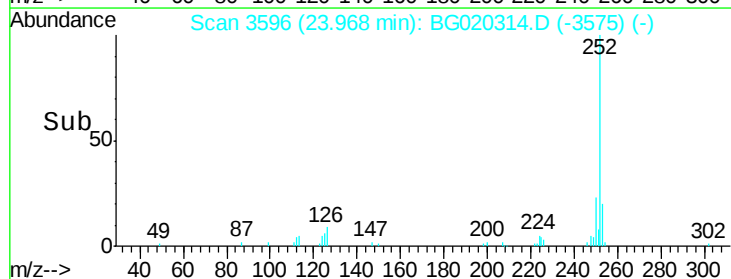
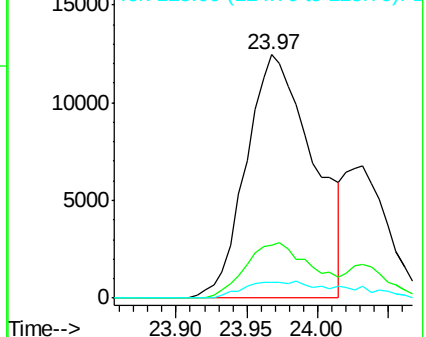
125 6.3 5.8 8.6

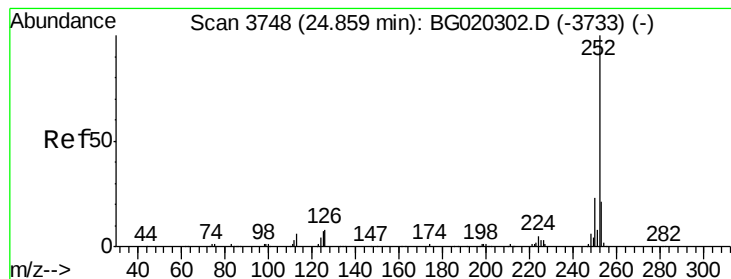


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 2.16 ng/ul

RT: 24.85 min Scan# 3747

Delta R.T. -0.00 min

Lab File: BG020314.D

Acq: 19 Dec 2015 16:32

Instrument :

BNA_G

ClientSampleId :

D9N71

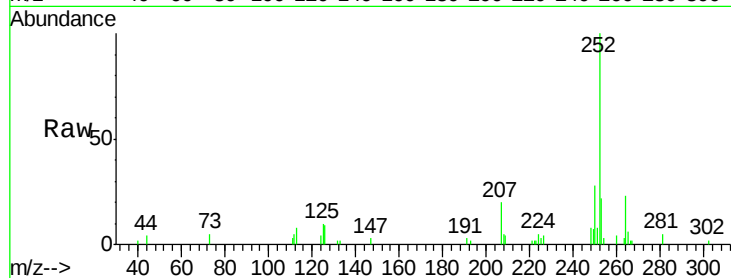
Tgt Ion:252 Resp: 23279

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.4

125 10.1 6.2 9.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

