

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
 Data File : BG020262.D
 Acq On : 18 Dec 2015 2:03
 Operator : UM/SJ
 Sample : G4767-20DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N42DL

Quant Time: Dec 18 07:47:55 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 02:40:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	16847	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	69822	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	50670	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	134871	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	182344	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	176023	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.24	99	4155	2.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	2604	2.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	3043	2.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	3150	2.48	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	1576	2.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	1730	2.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	3615	2.95	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	4780	3.47	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	14117	3.44	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	13127	2.75	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	1605	2.18	ng/ul	0.00
58) Fluorene-d10	15.72	176	10180	2.74	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	1334	1.67	ng/ul	0.00
71) Anthracene-d10	17.57	188	17981	2.89	ng/ul	0.00
79) Pyrene-d10	19.85	212	21680	2.55	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	25170	2.87	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.96	128	246552	67.62	ng/ul	98
30) 4-Chloroaniline	10.96	127	32544	23.13	ng/ul#	15
34) 2-Methylnaphthalene	12.56	142	63720	22.88	ng/ul	98
35) 1-Methylnaphthalene	12.78	142	31353	11.71	ng/ul#	99
41) 1,1'-Biphenyl	13.56	154	26446	6.92	ng/ul	98
45) Dimethylphthalate	14.17	163	6998	1.67	ng/ul#	96
48) Acenaphthylene	14.45	152	8639	1.71	ng/ul#	93
50) Acenaphthene	14.79	153	116171	34.08	ng/ul	98
54) Dibenzofuran	15.12	168	121844	24.03	ng/ul	100
59) Fluorene	15.77	166	118659	29.14	ng/ul	99
61) 4-Nitroaniline	15.77	138	1340	1.47	ng/ul#	10
70) Phenanthrene	17.51	178	566922	76.85	ng/ul	100
72) Anthracene	17.60	178	59282	7.92	ng/ul	97
75) Carbazole	17.87	167	54352	8.64	ng/ul	98
77) Fluoranthene	19.52	202	326738	37.90	ng/ul	98
80) Pyrene	19.88	202	219714	19.91	ng/ul	97
83) Benzo(a)anthracene	21.72	228	51324	4.82	ng/ul	98
85) Chrysene	21.79	228	43943	4.39	ng/ul	98
88) Benzo(b)fluoranthene	23.97	252	25174	2.38	ng/ul	97
89) Benzo(k)fluoranthene	23.97	252	25174	2.48	ng/ul	95
91) Benzo(a)pyrene	24.85	252	13641	1.36	ng/ul	96

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 18 02:40:02 2015
Response via : Initial Calibration

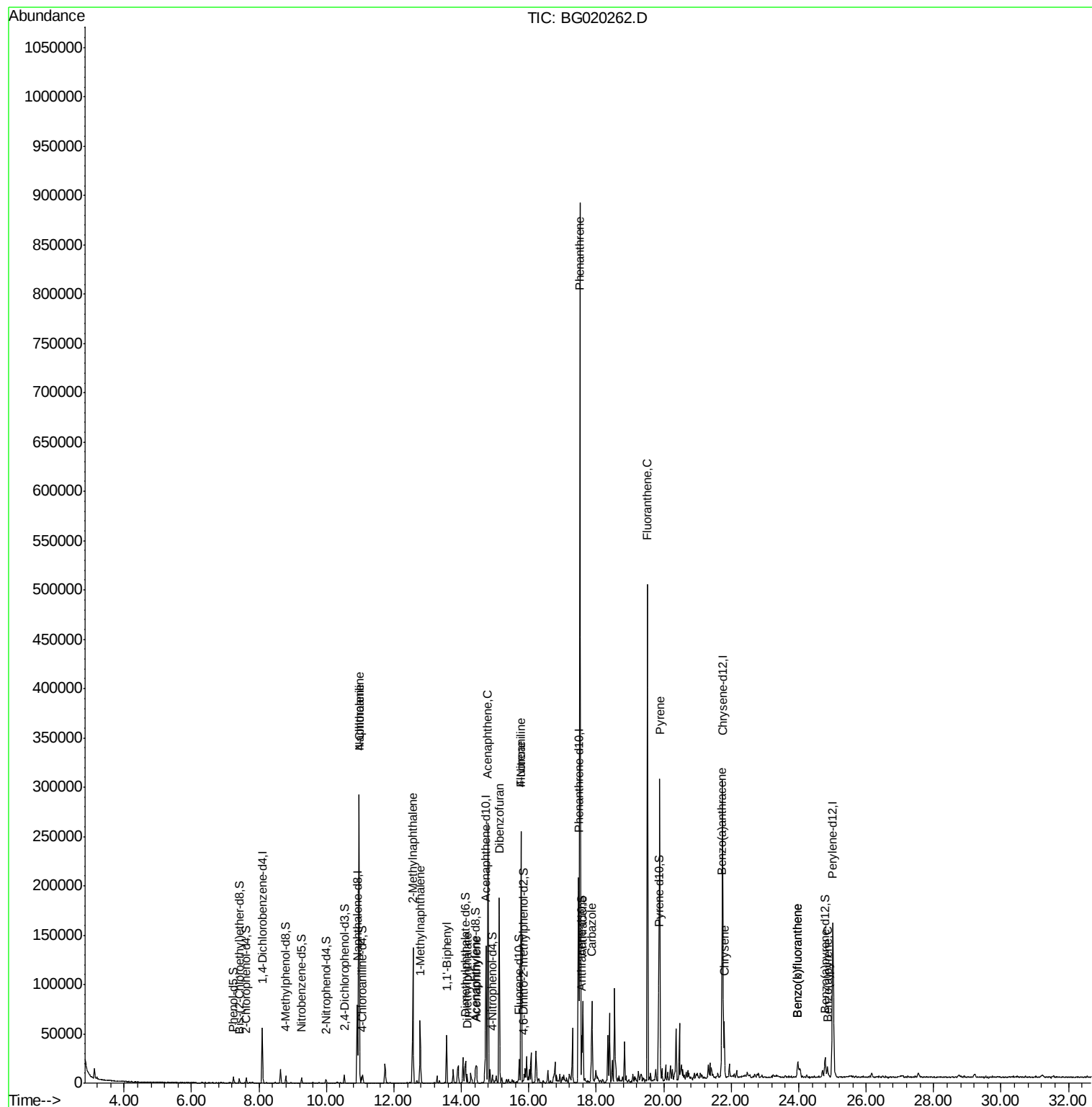
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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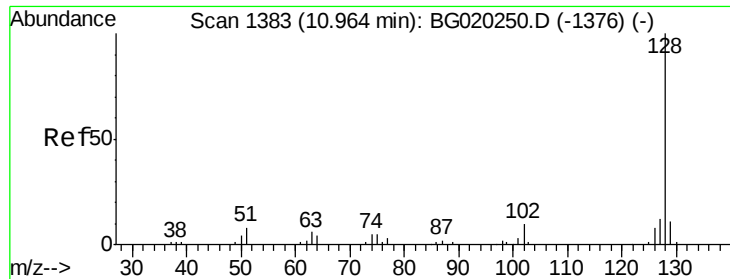
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#28

Naphthalene

Concen: 67.62 ng/ul

RT: 10.96 min Scan# 1383

Delta R.T. -0.00 min

Lab File: BG020262.D

Acq: 18 Dec 2015 2:03

Instrument :

BNA_G

ClientSampleId :

D9N42DL

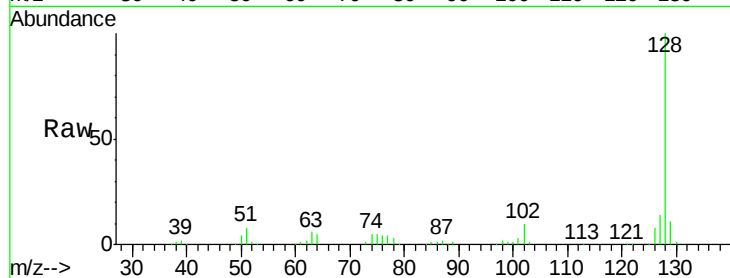
Tgt Ion:128 Resp: 246552

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

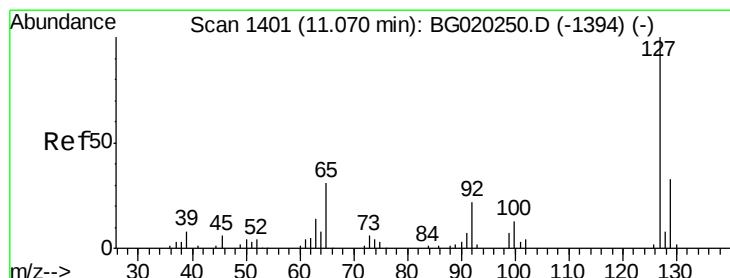
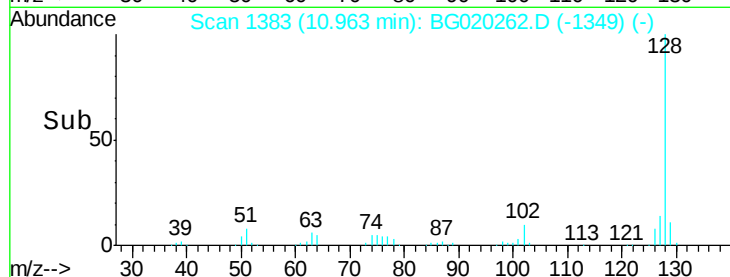
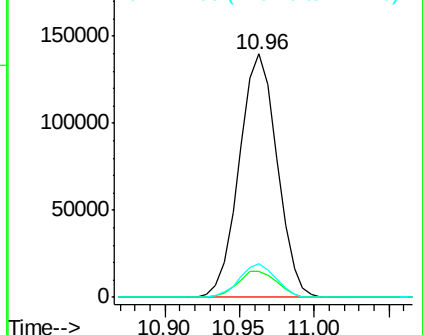
127 13.7 10.1 15.1



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



#30

4-Chloroaniline

Concen: 23.13 ng/ul

RT: 10.96 min Scan# 1383

Delta R.T. -0.11 min

Lab File: BG020262.D

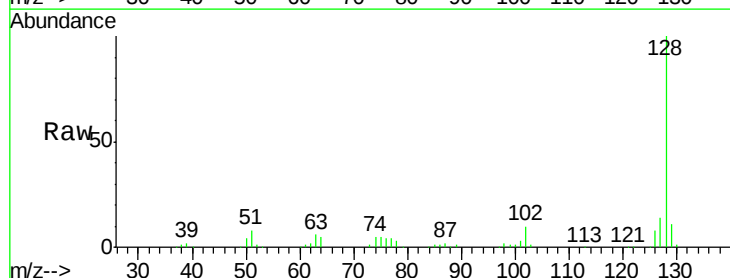
Acq: 18 Dec 2015 2:03

Tgt Ion:127 Resp: 32544

Ion Ratio Lower Upper

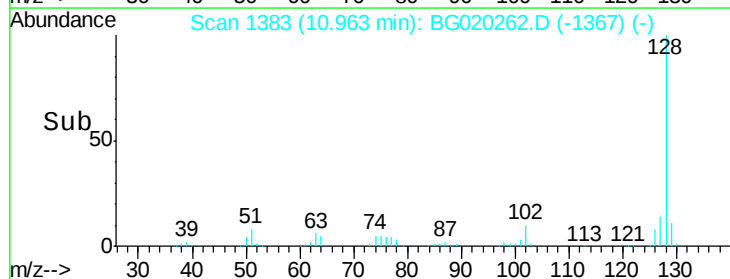
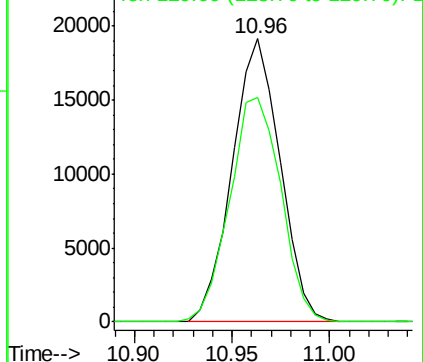
127 100

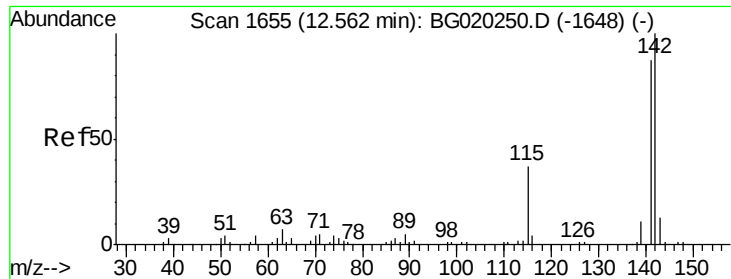
129 79.4 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

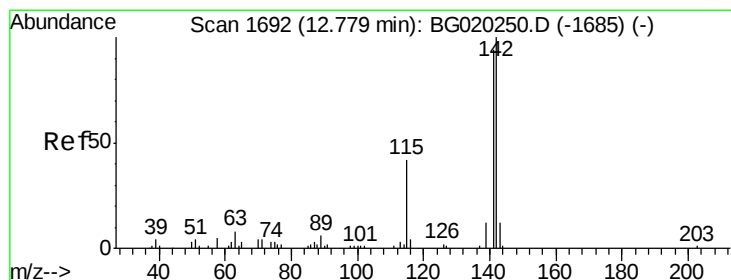
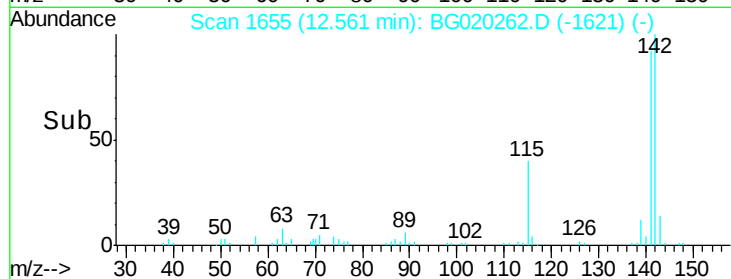
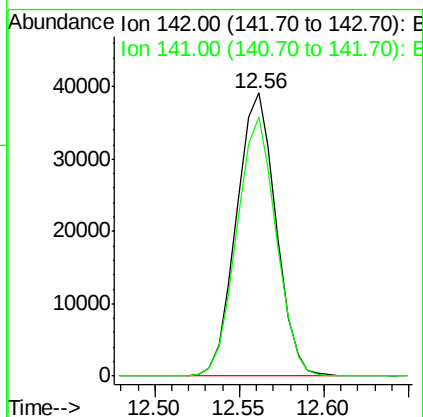
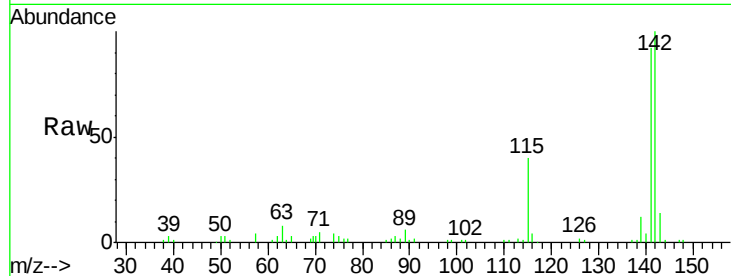




#34
2-Methylnaphthalene
Concen: 22.88 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. -0.00 min
Lab File: BG020262.D
Acq: 18 Dec 2015 2:03

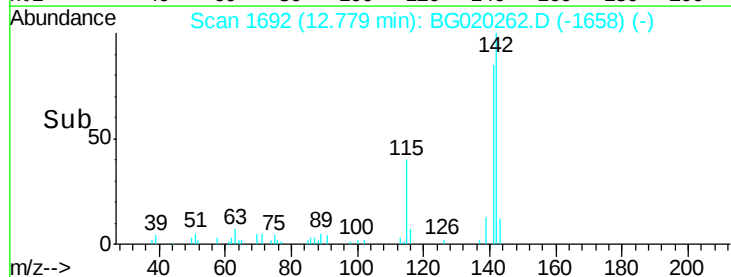
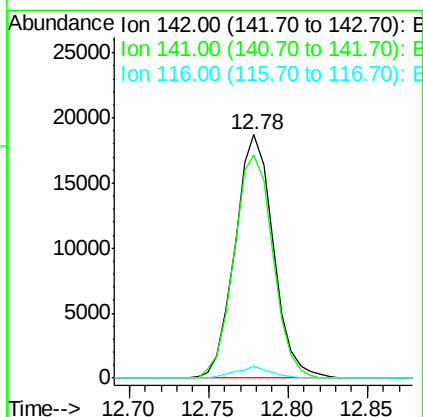
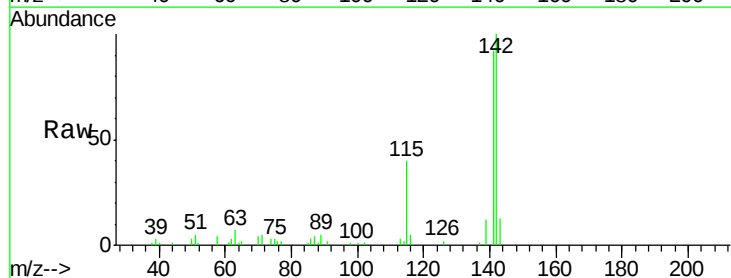
Instrument :
BNA_G
ClientSampleId :
D9N42DL

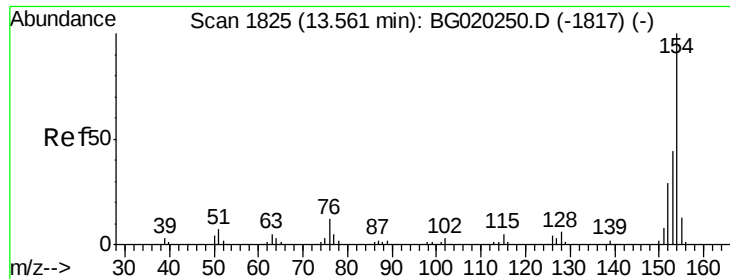
Tgt Ion:142 Resp: 63720
Ion Ratio Lower Upper
142 100
141 91.6 74.9 112.3



#35
1-Methylnaphthalene
Concen: 11.71 ng/ul
RT: 12.78 min Scan# 1692
Delta R.T. -0.00 min
Lab File: BG020262.D
Acq: 18 Dec 2015 2:03

Tgt Ion:142 Resp: 31353
Ion Ratio Lower Upper
142 100
141 91.8 73.0 109.6
116 5.0 3.0 4.6#





#41

1,1'-Biphenyl

Concen: 6.92 ng/ul

RT: 13.56 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BG020262.D

Acq: 18 Dec 2015 2:03

Instrument :

BNA_G

ClientSampleId :

D9N42DL

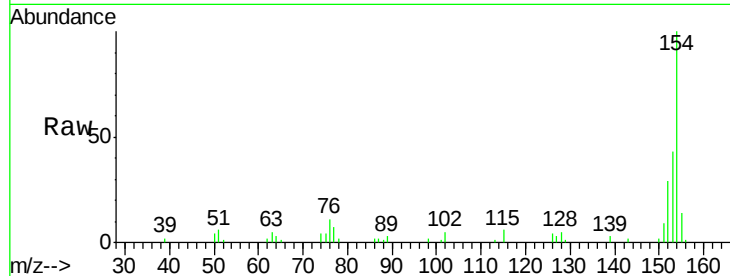
Tgt Ion:154 Resp: 26446

Ion Ratio Lower Upper

154 100

153 43.3 35.5 53.3

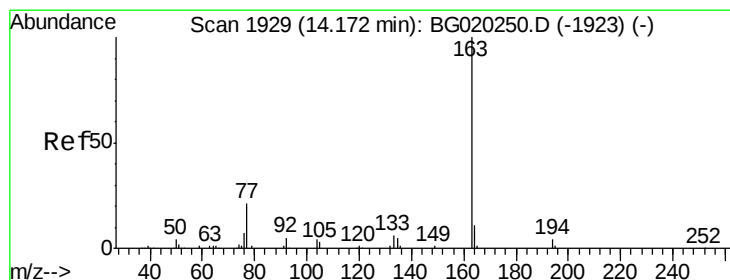
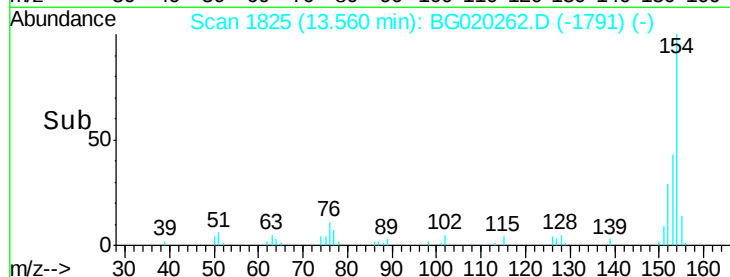
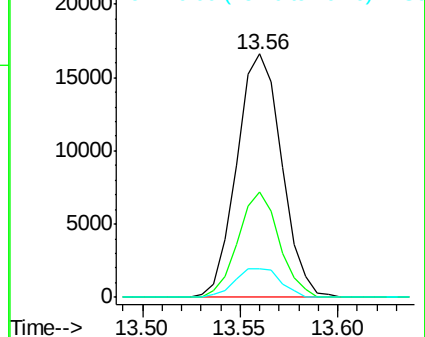
76 11.5 10.4 15.6



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



#45

Dimethylphthalate

Concen: 1.67 ng/ul

RT: 14.17 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BG020262.D

Acq: 18 Dec 2015 2:03

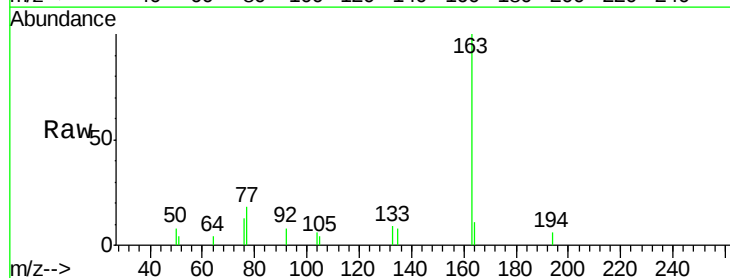
Tgt Ion:163 Resp: 6998

Ion Ratio Lower Upper

163 100

194 6.3 3.5 5.3#

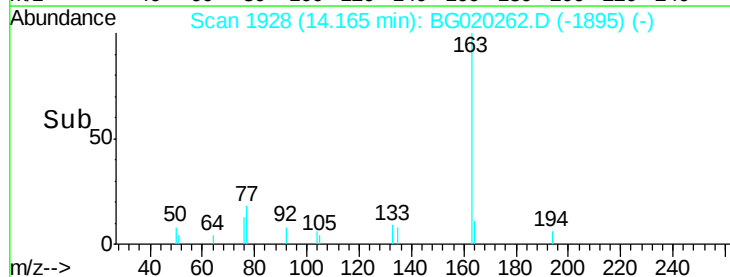
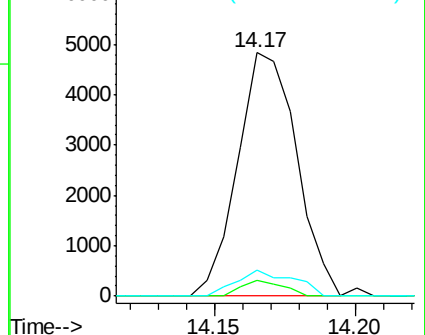
164 10.8 7.7 11.5

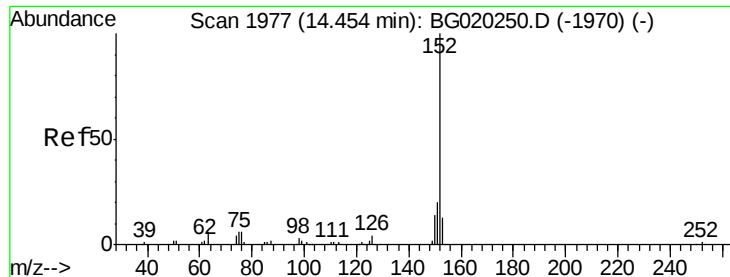


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 1.71 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG020262.D

Acq: 18 Dec 2015 2:03

Instrument :

BNA_G

ClientSampleId :

D9N42DL

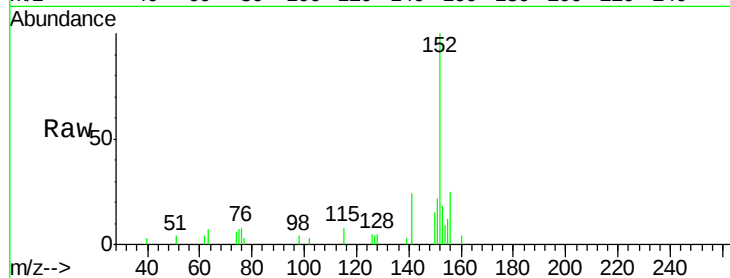
Tgt Ion:152 Resp: 8639

Ion Ratio Lower Upper

152 100

151 22.0 16.4 24.6

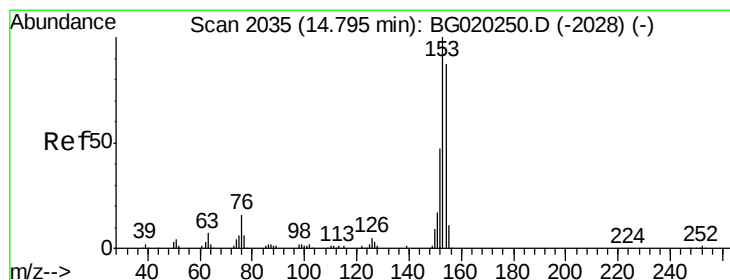
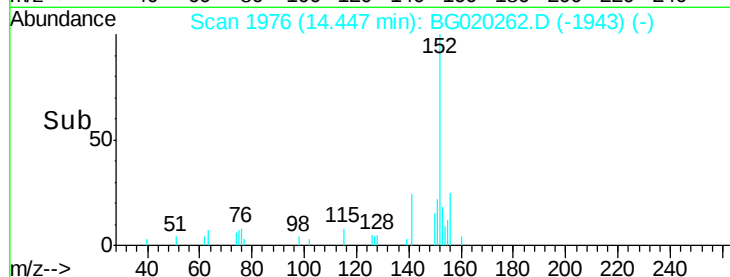
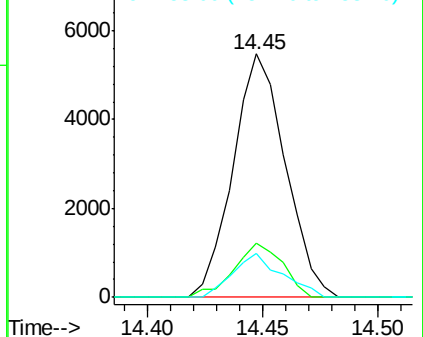
153 18.3 10.4 15.6#



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: 34.08 ng/ul

RT: 14.79 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BG020262.D

Acq: 18 Dec 2015 2:03

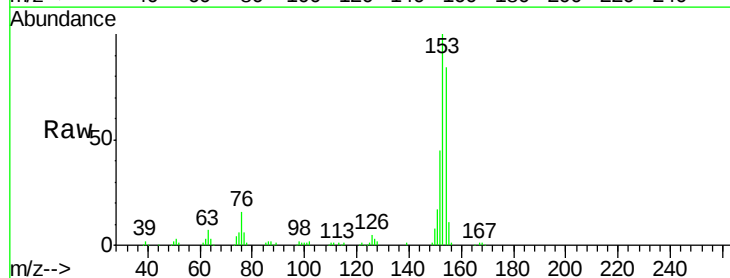
Tgt Ion:153 Resp: 116171

Ion Ratio Lower Upper

153 100

152 44.8 37.6 56.4

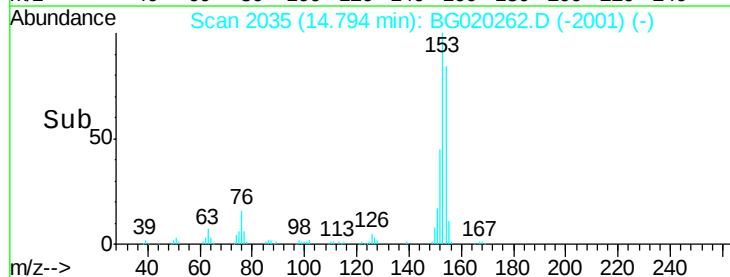
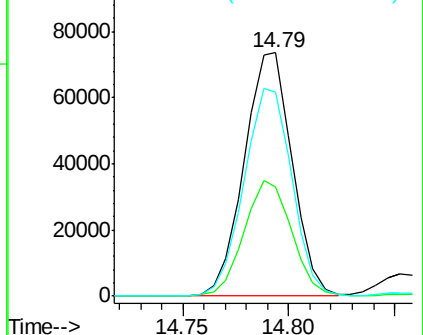
154 83.7 67.9 101.9

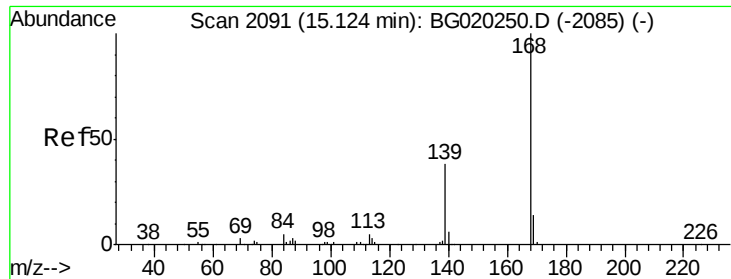


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 24.03 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BG020262.D

Acq: 18 Dec 2015 2:03

Instrument :

BNA_G

ClientSampleId :

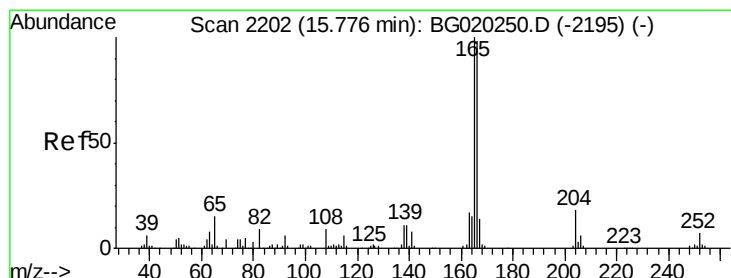
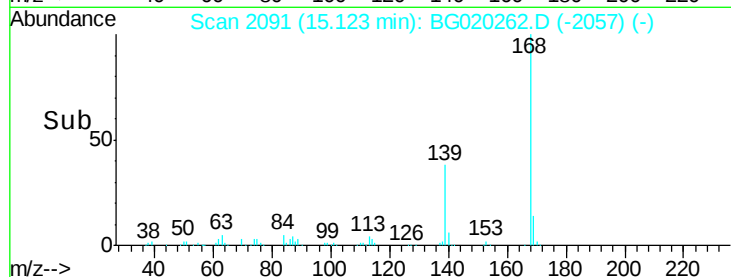
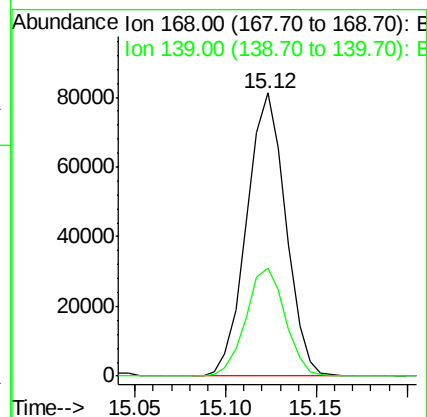
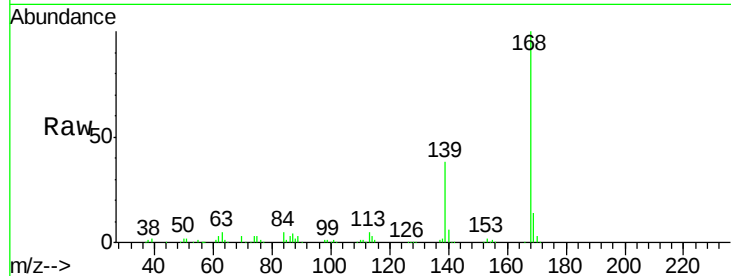
D9N42DL

Tgt Ion:168 Resp: 121844

Ion Ratio Lower Upper

168 100

139 38.4 30.5 45.7



#59

Fluorene

Concen: 29.14 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG020262.D

Acq: 18 Dec 2015 2:03

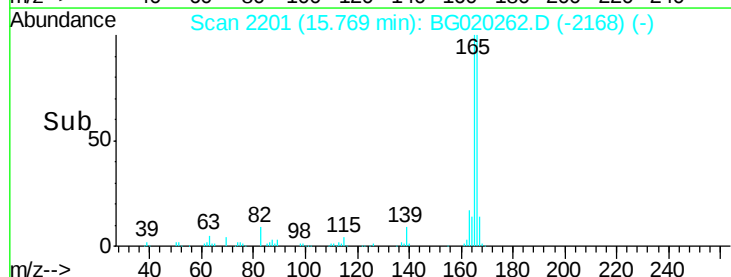
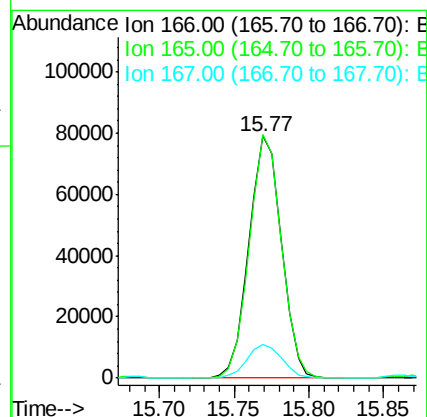
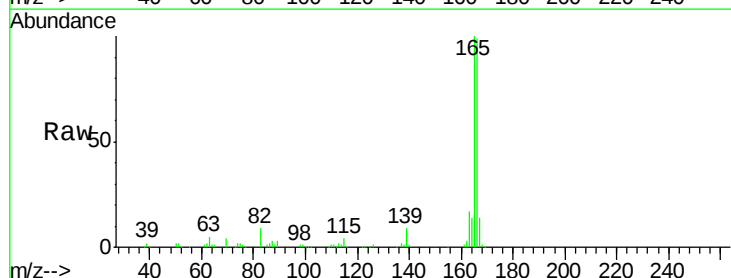
Tgt Ion:166 Resp: 118659

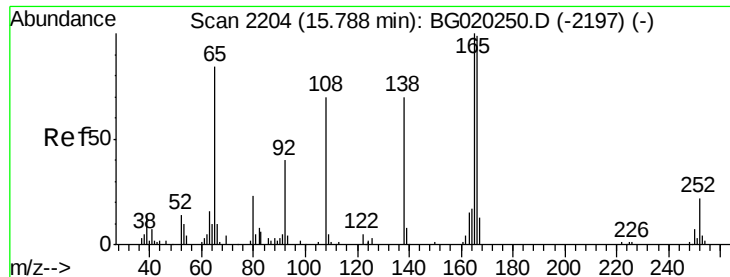
Ion Ratio Lower Upper

166 100

165 100.5 81.4 122.0

167 13.7 11.2 16.8

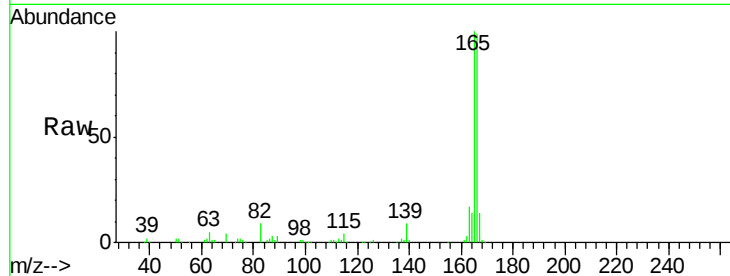




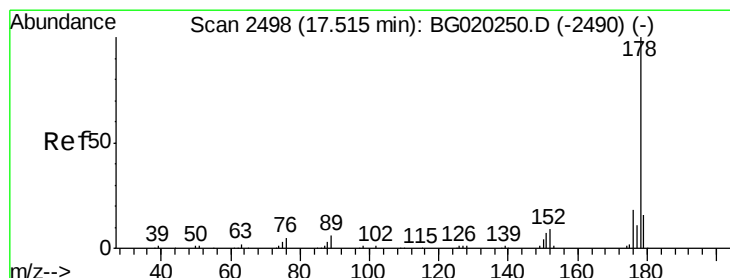
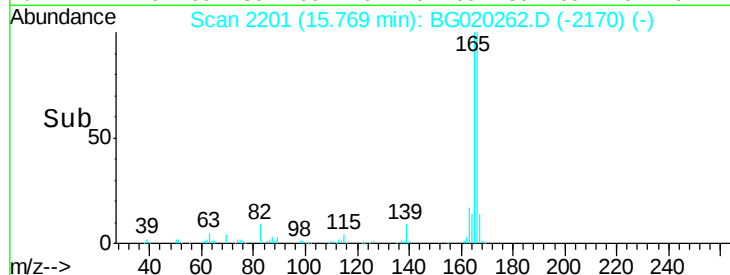
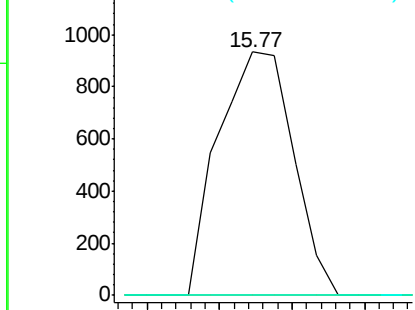
#61
4-Nitroaniline
Concen: 1.47 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BG020262.D
Acq: 18 Dec 2015 2:03

Instrument :
BNA_G
ClientSampleId :
D9N42DL

Tgt Ion:138 Resp: 1340
Ion Ratio Lower Upper
138 100
92 0.0 45.2 67.8#
108 0.0 75.4 113.0#

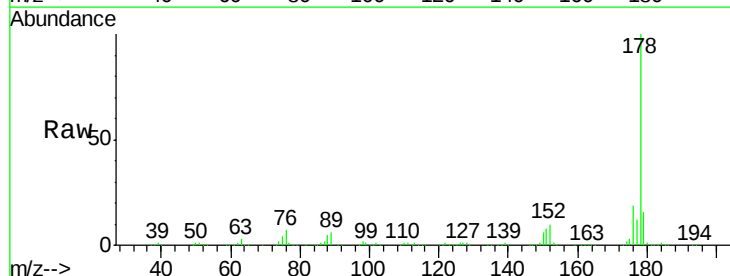


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

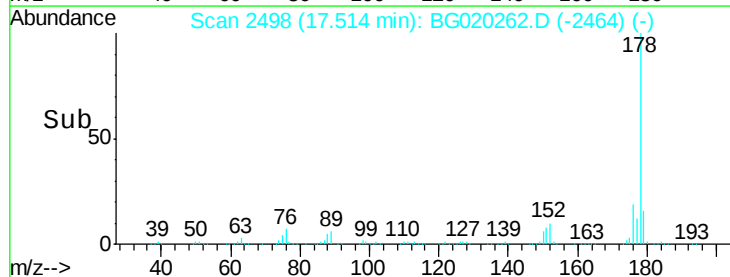
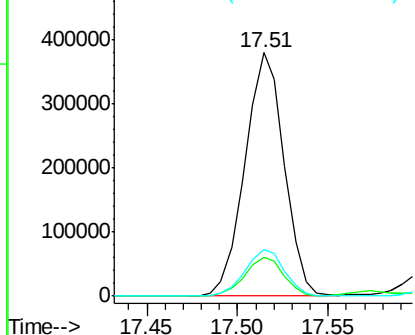


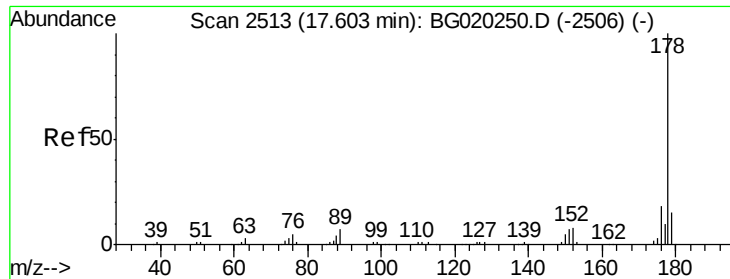
#70
Phenanthrene
Concen: 76.85 ng/ul
RT: 17.51 min Scan# 2498
Delta R.T. -0.00 min
Lab File: BG020262.D
Acq: 18 Dec 2015 2:03

Tgt Ion:178 Resp: 566922
Ion Ratio Lower Upper
178 100
179 16.2 12.9 19.3
176 19.2 15.3 22.9



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

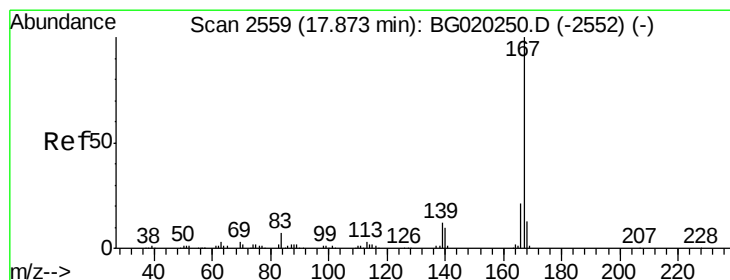
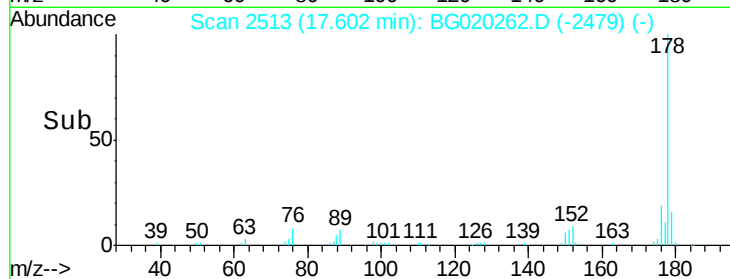
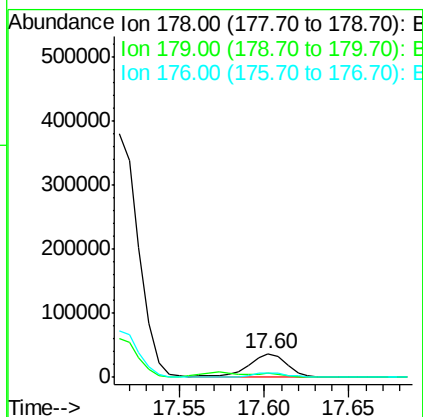
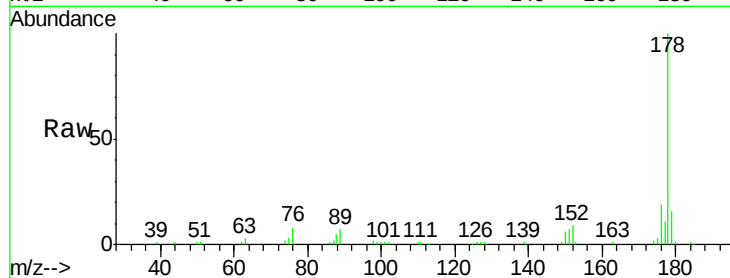




#72
 Anthracene
 Concen: 7.92 ng/ul
 RT: 17.60 min Scan# 2513
 Delta R.T. -0.00 min
 Lab File: BG020262.D
 Acq: 18 Dec 2015 2:03

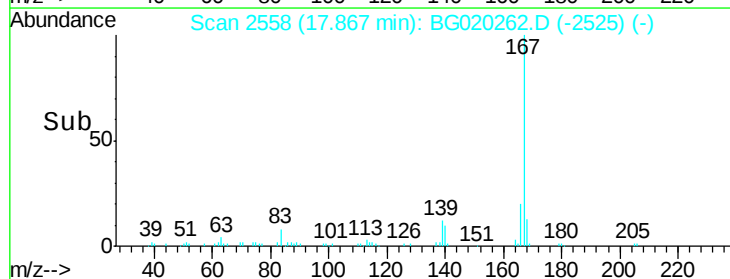
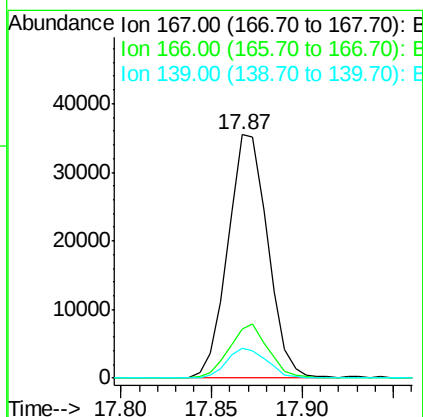
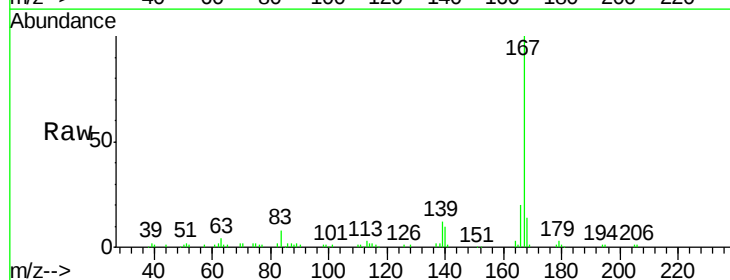
Instrument :
 BNA_G
 ClientSampleId :
 D9N42DL

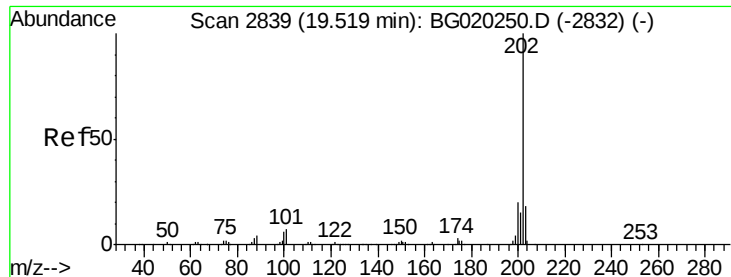
Tgt Ion:178 Resp: 59282
 Ion Ratio Lower Upper
 178 100
 179 16.2 12.3 18.5
 176 19.2 14.3 21.5



#75
 Carbazole
 Concen: 8.64 ng/ul
 RT: 17.87 min Scan# 2558
 Delta R.T. -0.01 min
 Lab File: BG020262.D
 Acq: 18 Dec 2015 2:03

Tgt Ion:167 Resp: 54352
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.0 25.6
 139 12.4 10.1 15.1





#77

Fluoranthene

Concen: 37.90 ng/ul

RT: 19.52 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BG020262.D

Acq: 18 Dec 2015 2:03

Instrument :

BNA_G

ClientSampleId :

D9N42DL

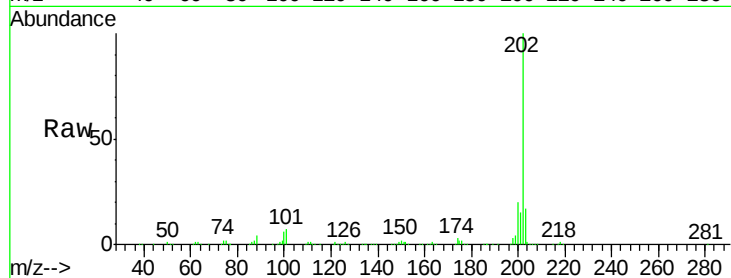
Tgt Ion:202 Resp: 326738

Ion Ratio Lower Upper

202 100

101 7.2 6.2 9.4

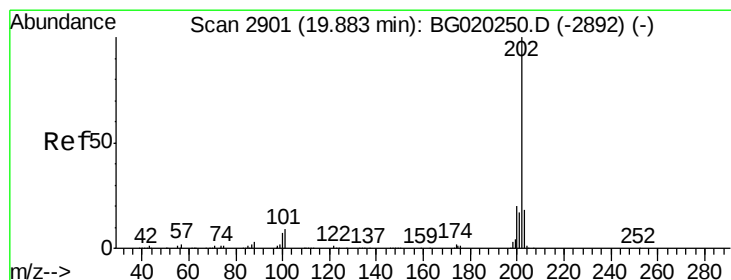
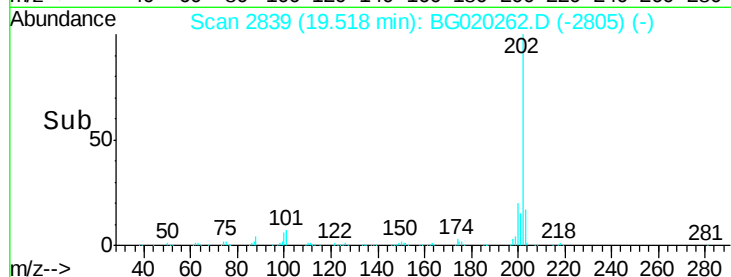
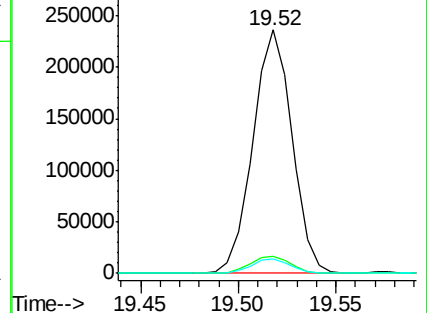
100 5.8 5.1 7.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 19.91 ng/ul

RT: 19.88 min Scan# 2901

Delta R.T. -0.00 min

Lab File: BG020262.D

Acq: 18 Dec 2015 2:03

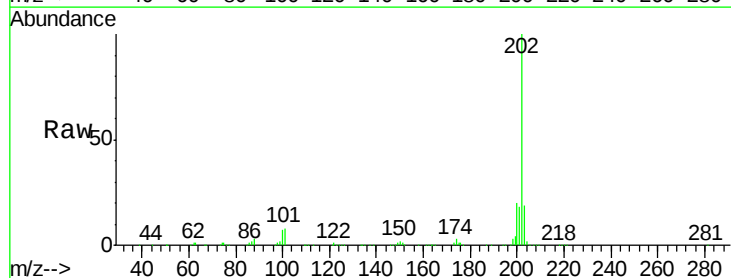
Tgt Ion:202 Resp: 219714

Ion Ratio Lower Upper

202 100

101 8.0 7.0 10.4

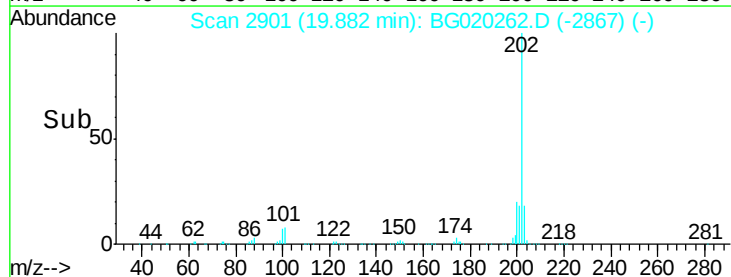
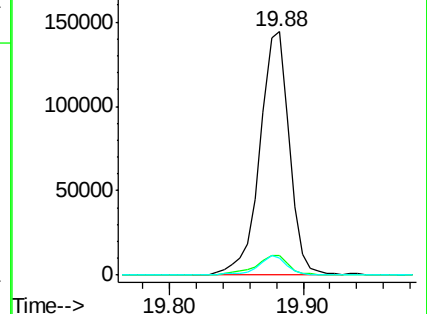
100 6.8 6.4 9.6

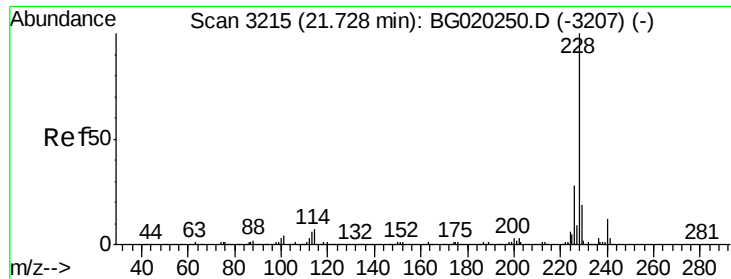


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

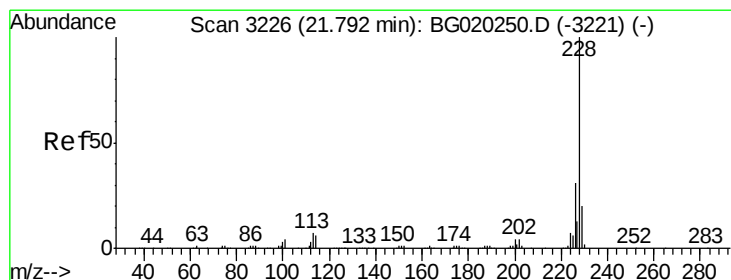
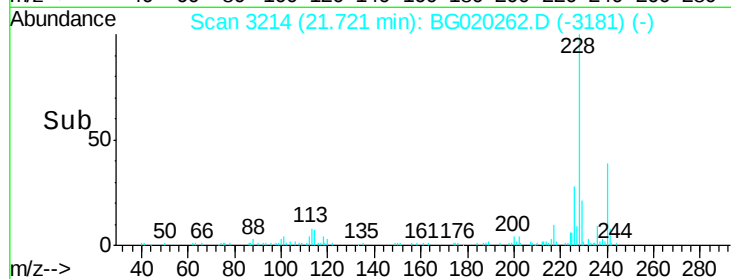
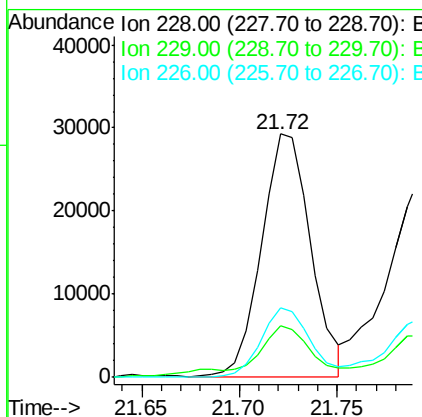
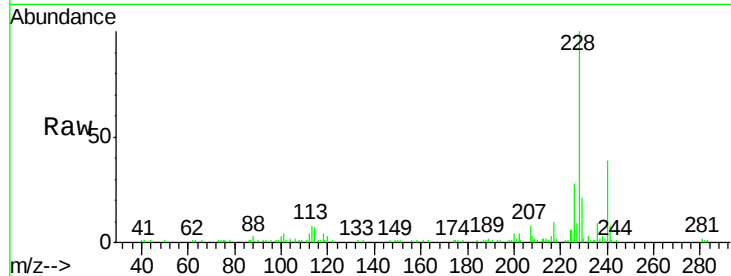




#83
Benzo(a)anthracene
Concen: 4.82 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.01 min
Lab File: BG020262.D
Acq: 18 Dec 2015 2:03

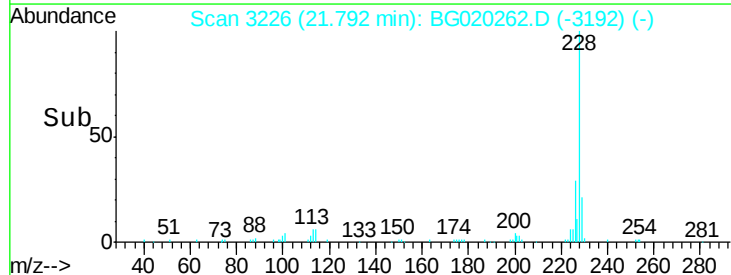
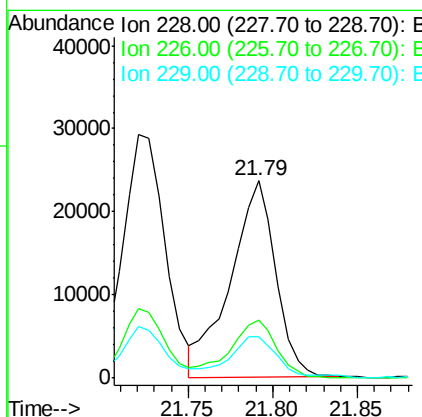
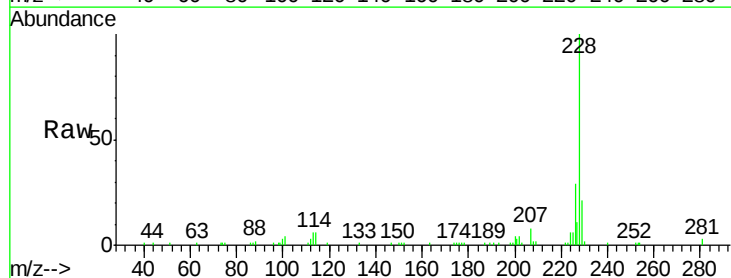
Instrument :
BNA_G
ClientSampleId :
D9N42DL

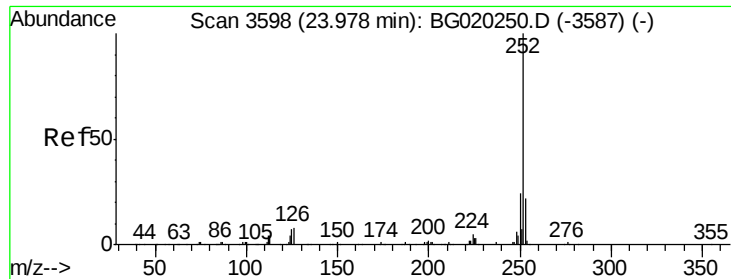
Tgt Ion:228 Resp: 51324
Ion Ratio Lower Upper
228 100
229 21.0 15.8 23.8
226 28.3 21.8 32.6



#85
Chrysene
Concen: 4.39 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. -0.00 min
Lab File: BG020262.D
Acq: 18 Dec 2015 2:03

Tgt Ion:228 Resp: 43943
Ion Ratio Lower Upper
228 100
226 29.4 23.9 35.9
229 20.7 15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 2.38 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. -0.01 min

Lab File: BG020262.D

Acq: 18 Dec 2015 2:03

Instrument :

BNA_G

ClientSampleId :

D9N42DL

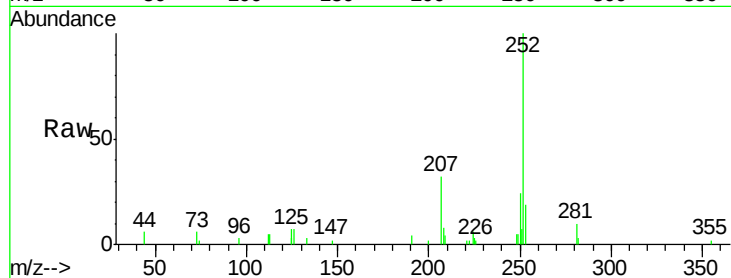
Tgt Ion:252 Resp: 25174

Ion Ratio Lower Upper

252 100

253 19.5 16.7 25.1

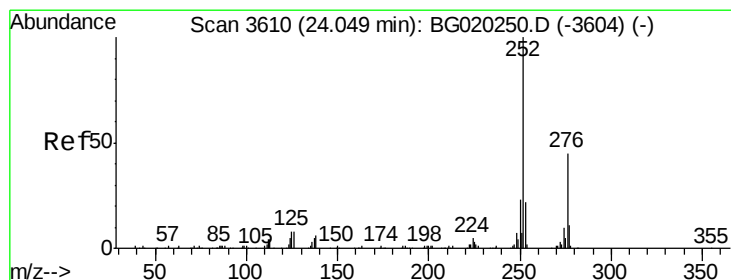
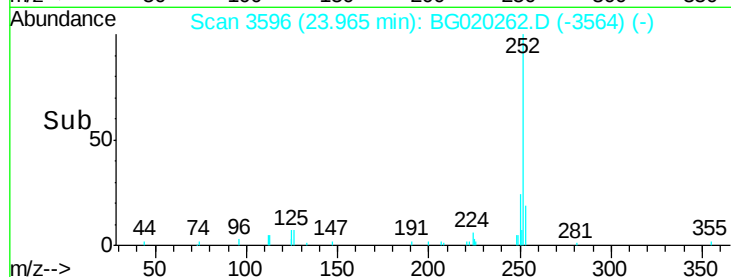
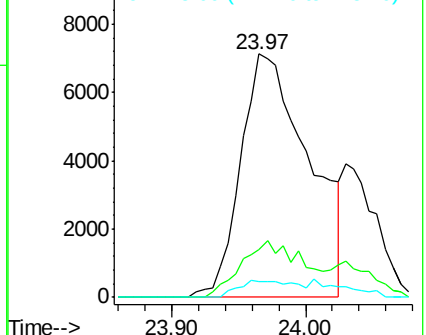
125 6.6 6.2 9.2



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: 2.48 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. -0.08 min

Lab File: BG020262.D

Acq: 18 Dec 2015 2:03

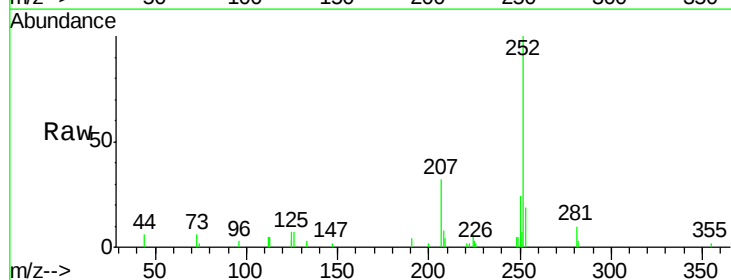
Tgt Ion:252 Resp: 25174

Ion Ratio Lower Upper

252 100

253 19.5 17.9 26.9

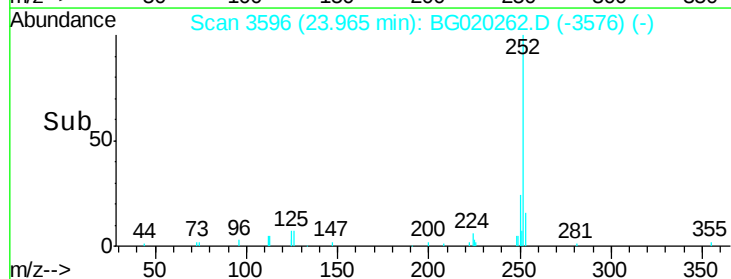
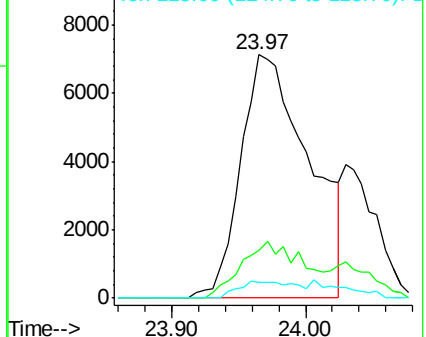
125 6.6 5.8 8.6

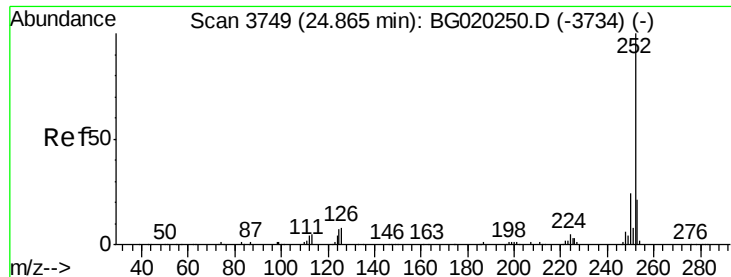


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 1.36 ng/ul

RT: 24.85 min Scan# 3747

Delta R.T. -0.01 min

Lab File: BG020262.D

Acq: 18 Dec 2015 2:03

Instrument :

BNA_G

ClientSampleId :

D9N42DL

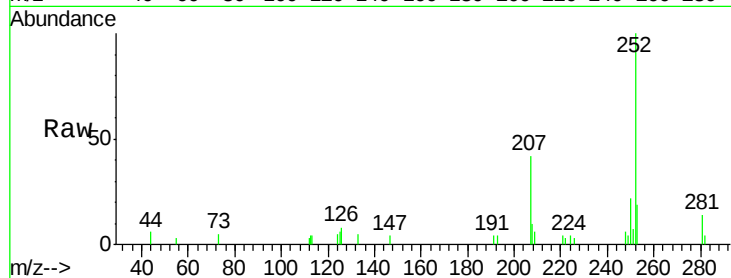
Tgt Ion:252 Resp: 13641

Ion Ratio Lower Upper

252 100

253 19.4 17.0 25.4

125 6.5 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

