

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020455.D
 Acq On : 23 Dec 2015 22:45
 Operator : UM/SJ
 Sample : G4848-17DL 30X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63DL

Quant Time: Dec 24 02:52:21 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 02:43:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	20810	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	92621	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	63504	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.57	188	7500	20.00	ng/ul	0.11
78) Chrysene-d12	21.74	240	184942	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	179427	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.24	99	578	0.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	656	0.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	814	0.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	936	0.60	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	369	0.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	410	0.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	1065	0.65	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1197	0.65	ng/ul	0.01
44) Dimethylphthalate-d6	14.11	166	5217	1.02	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	6040	1.01	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	4905	1.05	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.84	200	155	3.49	ng/ul	0.01
71) Anthracene-d10	17.57	188	7500	21.70	ng/ul	0.00
79) Pyrene-d10	19.85	212	8807	1.02	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	9443	1.06	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.96	128	636791	131.65	ng/ul	98
30) 4-Chloroaniline	10.96	127	88439	47.39	ng/ul#	14
34) 2-Methylnaphthalene	12.56	142	274128	74.20	ng/ul	96
35) 1-Methylnaphthalene	12.77	142	135107	38.04	ng/ul	94
41) 1,1'-Biphenyl	13.55	154	126932	26.49	ng/ul	96
48) Acenaphthylene	14.44	152	36889	5.81	ng/ul#	97
50) Acenaphthene	14.79	153	564520	132.15	ng/ul	98
53) 4-Nitrophenol	14.78	109	1092	1.23	ng/ul#	1
54) Dibenzofuran	15.12	168	589005	92.69	ng/ul	99
59) Fluorene	15.77	166	585440	114.72	ng/ul	98
61) 4-Nitroaniline	15.77	138	7174	6.30	ng/ul#	12
65) N-Nitrosodiphenylamine	16.07	169	2371	11.37	ng/ul#	57
70) Phenanthrene	17.60	178	329211	802.49	ng/ul	99
72) Anthracene	17.60	178	317932	764.10	ng/ul	98
75) Carbazole	17.87	167	161820	462.85	ng/ul	100
77) Fluoranthene	19.66	202	2442	5.09	ng/ul	97
80) Pyrene	19.88	202	1267307	113.22	ng/ul	99
83) Benzo(a)anthracene	21.72	228	332713	30.83	ng/ul	98
85) Chrysene	21.79	228	295292	29.05	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	157190	14.56	ng/ul	95
89) Benzo(k)fluoranthene	23.97	252	157190	15.17	ng/ul	98
91) Benzo(a)pyrene	24.85	252	89189	8.71	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.74	276	23753	1.95	ng/ul	98

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Misc :
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 24 02:43:25 2015
Response via : Initial Calibration

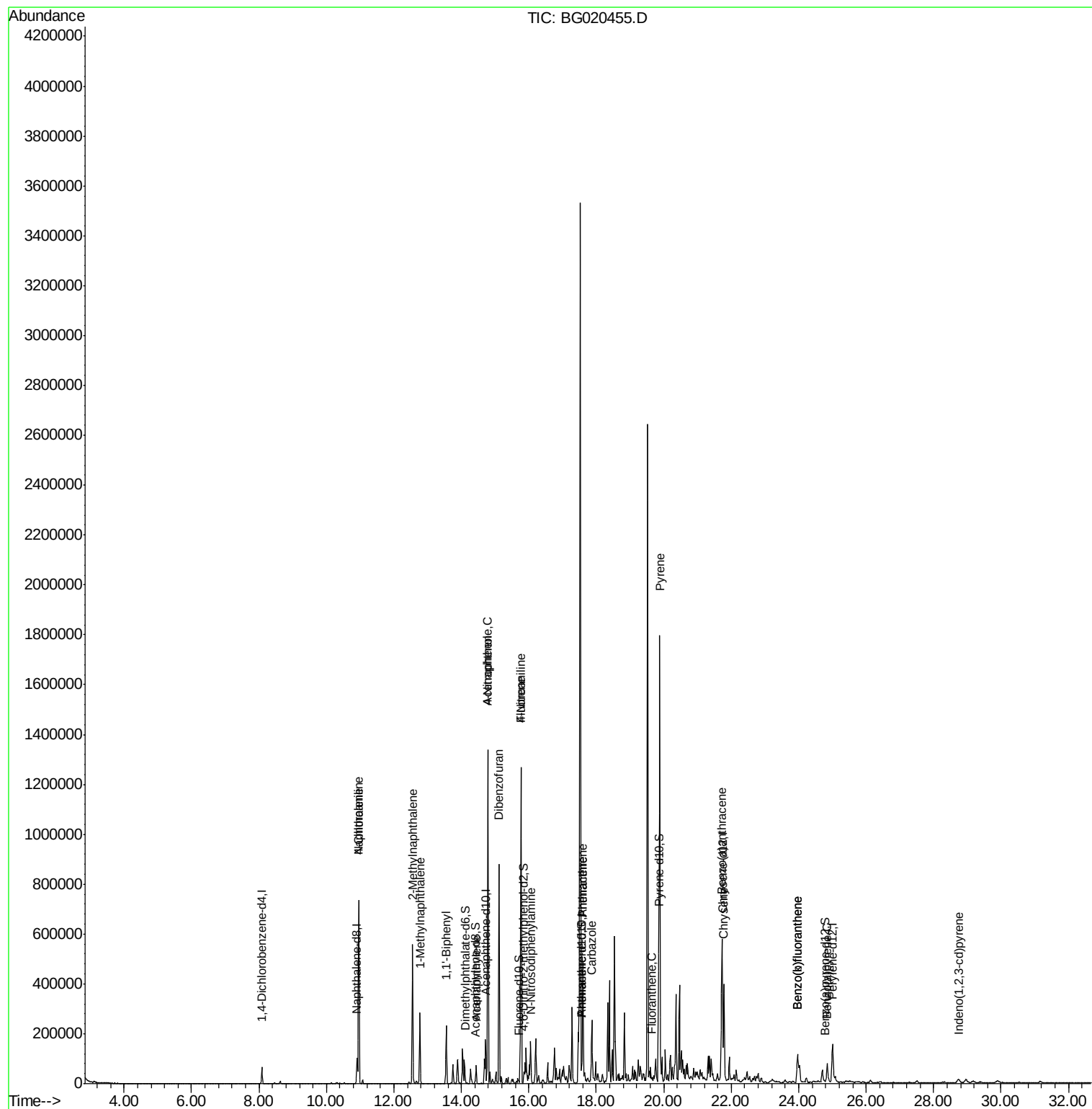
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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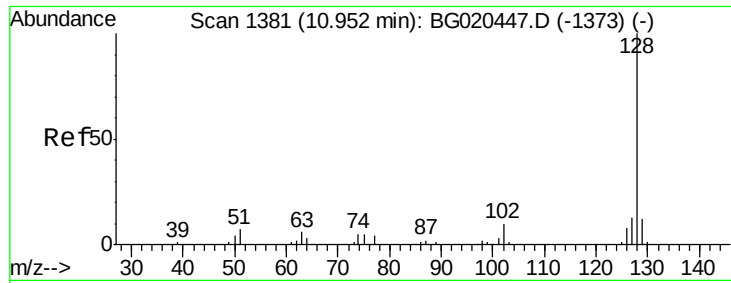
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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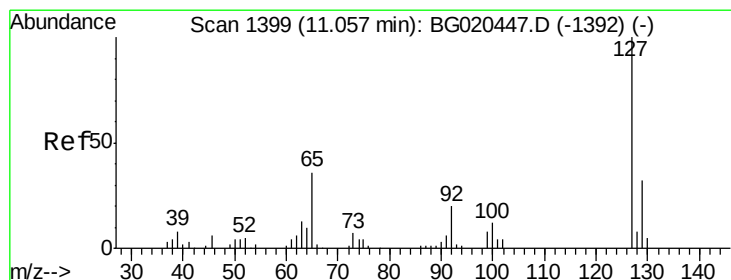
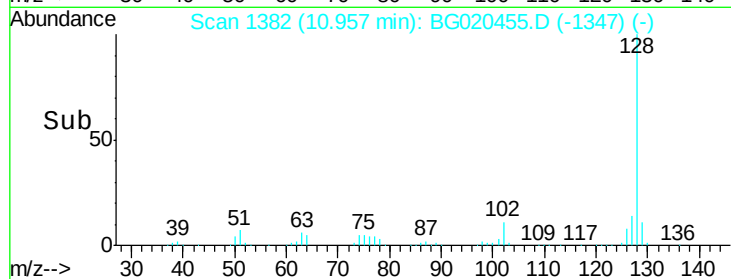
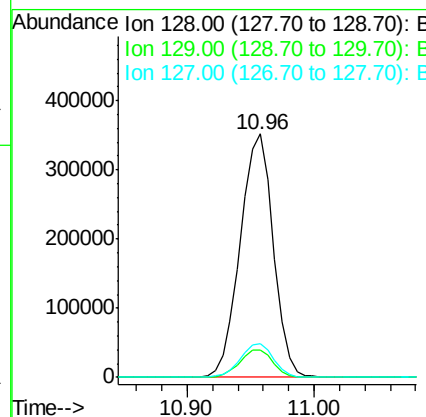
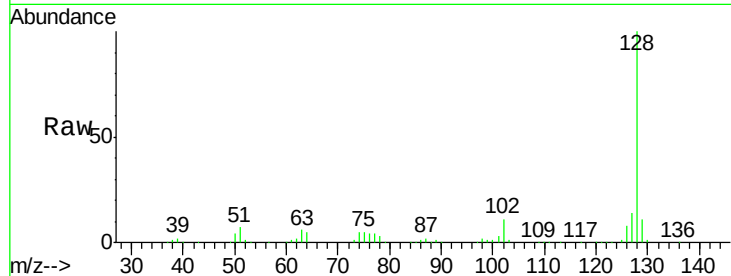




#28
Naphthalene
Concen: 131.65 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

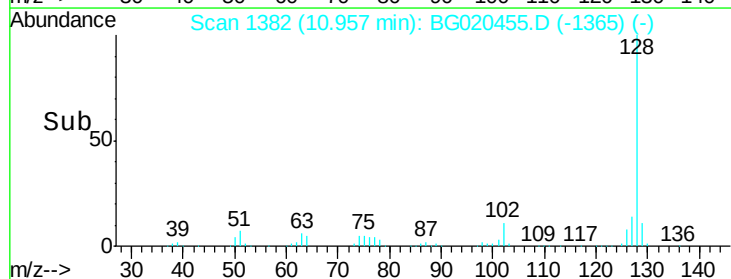
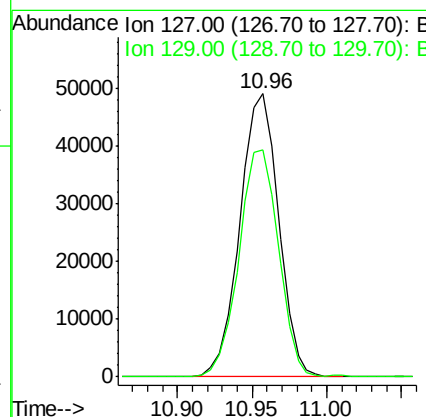
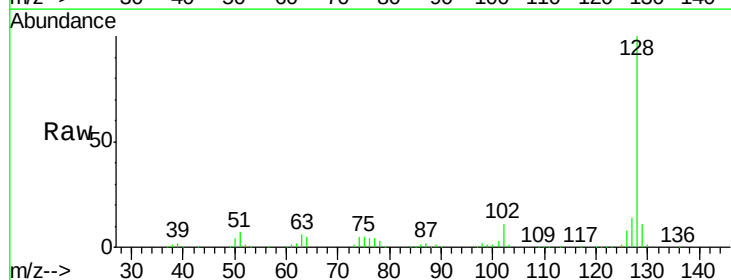
Instrument :
BNA_G
ClientSampleId :
D9N63DL

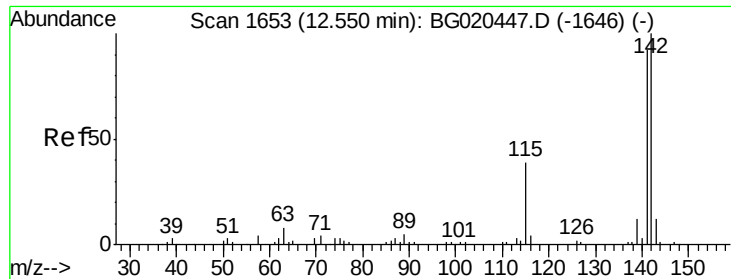
Tgt Ion:128 Resp: 636791
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 13.9 10.1 15.1



#30
4-Chloroaniline
Concen: 47.39 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.10 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

Tgt Ion:127 Resp: 88439
Ion Ratio Lower Upper
127 100
129 80.0 25.7 38.5#

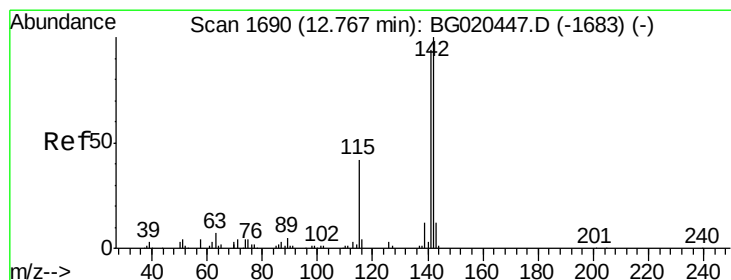
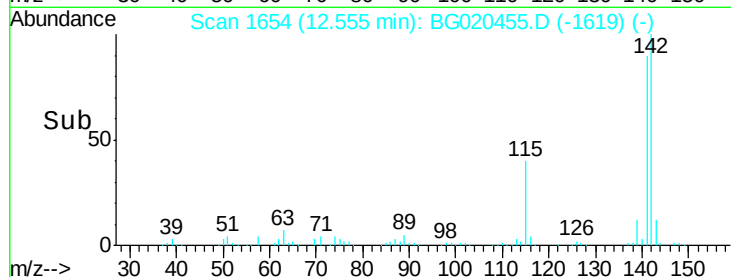
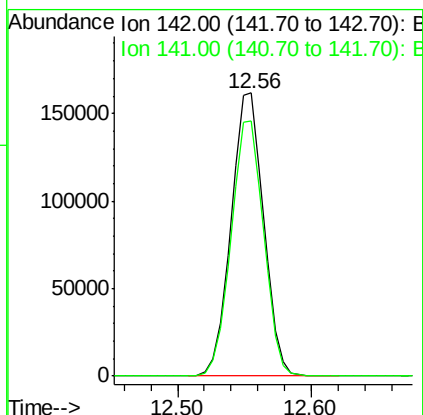
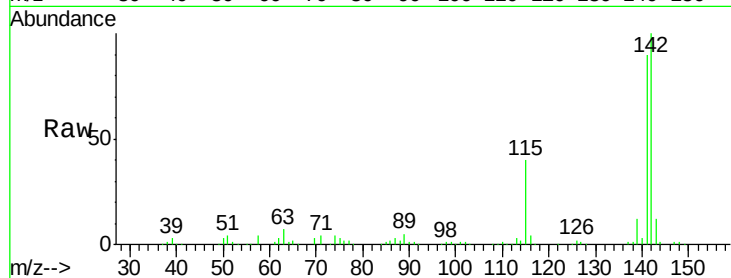




#34
2-Methylnaphthalene
Concen: 74.20 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. 0.01 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

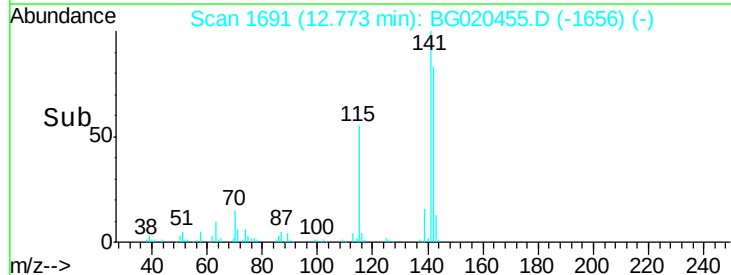
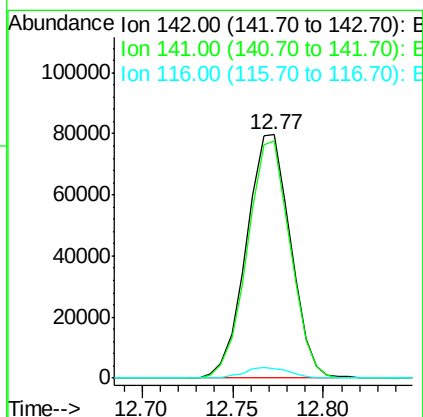
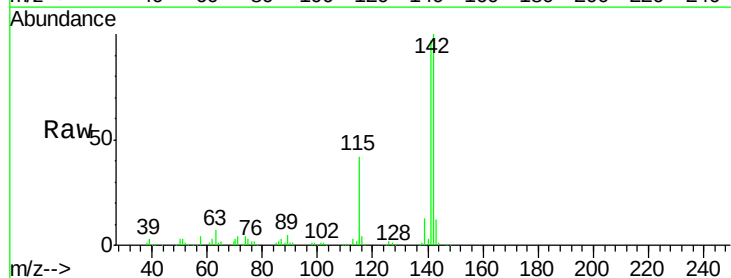
Instrument :
BNA_G
ClientSampleId :
D9N63DL

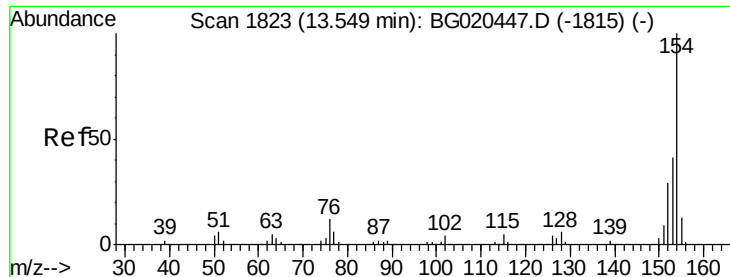
Tgt Ion:142 Resp: 274128
Ion Ratio Lower Upper
142 100
141 89.9 74.9 112.3



#35
1-Methylnaphthalene
Concen: 38.04 ng/ul
RT: 12.77 min Scan# 1691
Delta R.T. 0.01 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

Tgt Ion:142 Resp: 135107
Ion Ratio Lower Upper
142 100
141 97.5 73.0 109.6
116 3.9 3.0 4.6

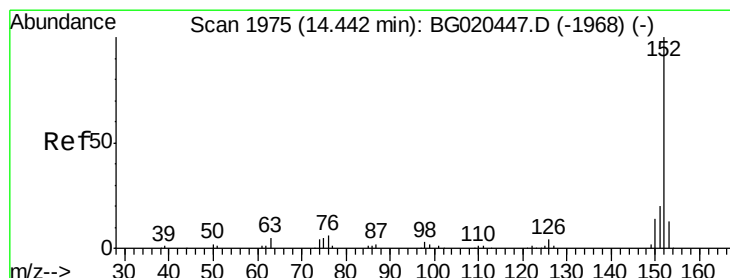
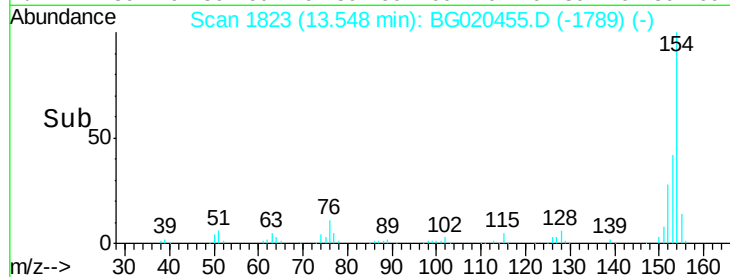
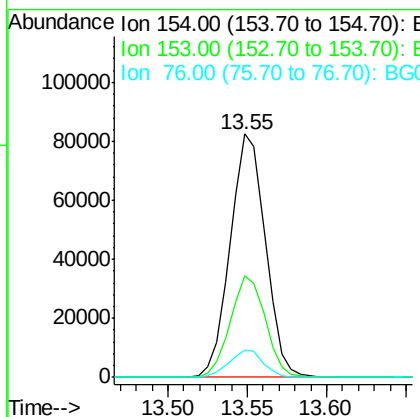
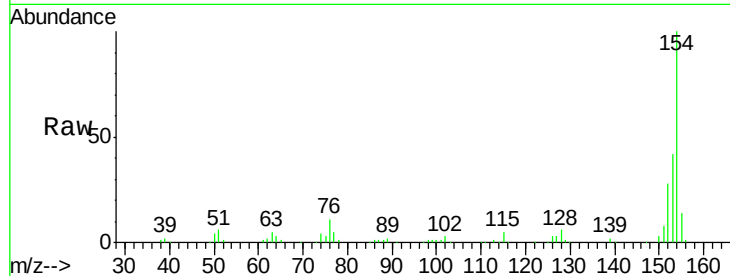




#41
 1,1'-Biphenyl
 Concen: 26.49 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BG020455.D
 Acq: 23 Dec 2015 22:45

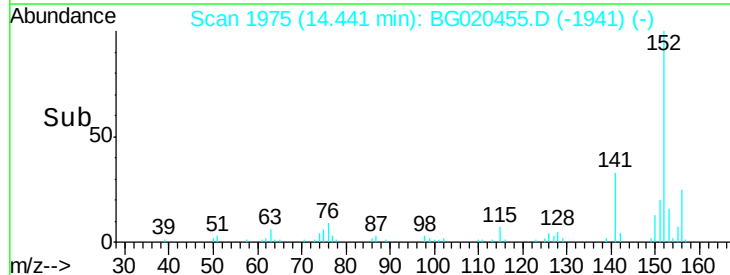
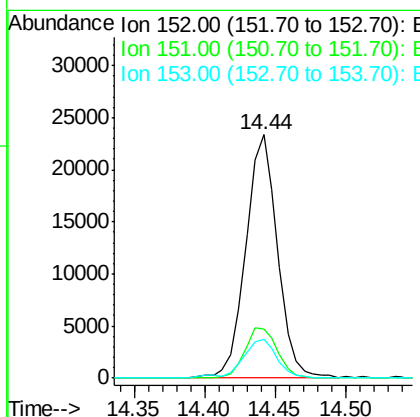
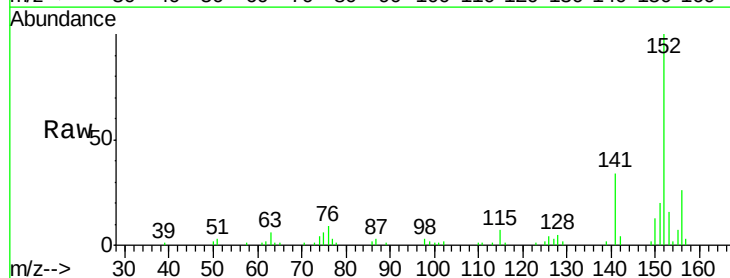
Instrument :
 BNA_G
 ClientSampled :
 D9N63DL

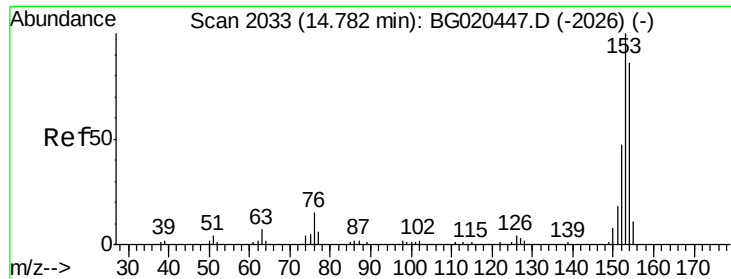
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.6	35.5	53.3
76	11.0	10.4	15.6



#48
 Acenaphthylene
 Concen: 5.81 ng/ul
 RT: 14.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: BG020455.D
 Acq: 23 Dec 2015 22:45

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.4	24.6
153	15.8	10.4	15.6#





#50

Acenaphthene

Concen: 132.15 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BG020455.D

Acq: 23 Dec 2015 22:45

Instrument :

BNA_G

ClientSampleId :

D9N63DL

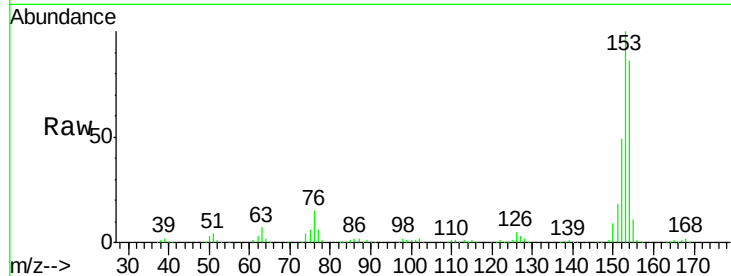
Tgt Ion:153 Resp: 564520

Ion Ratio Lower Upper

153 100

152 49.1 37.6 56.4

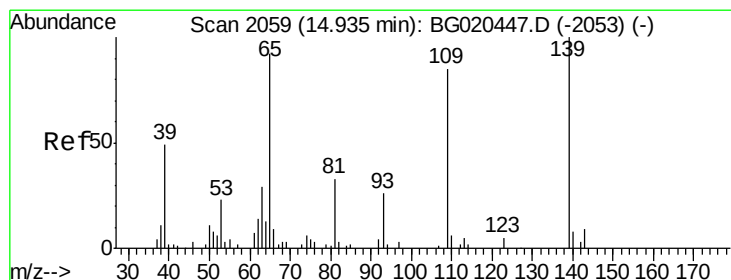
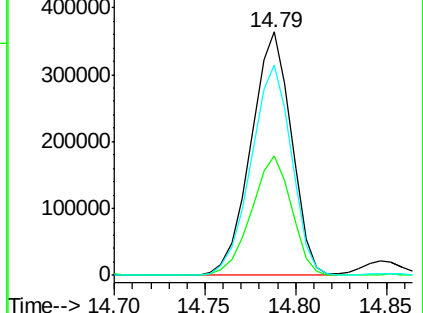
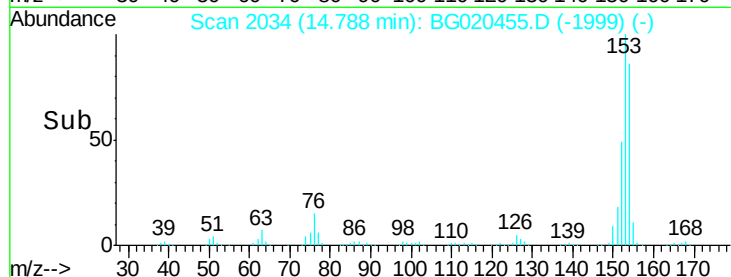
154 86.4 67.9 101.9



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



#53

4-Nitrophenol

Concen: 1.23 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. -0.15 min

Lab File: BG020455.D

Acq: 23 Dec 2015 22:45

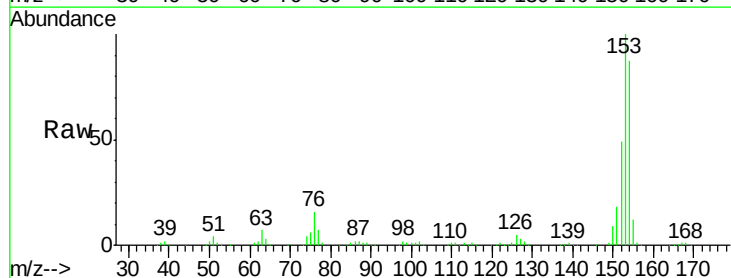
Tgt Ion:109 Resp: 1092

Ion Ratio Lower Upper

109 100

139 379.4 80.5 120.7#

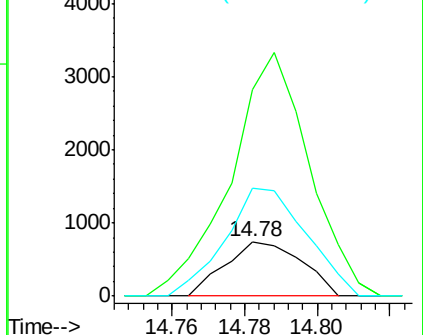
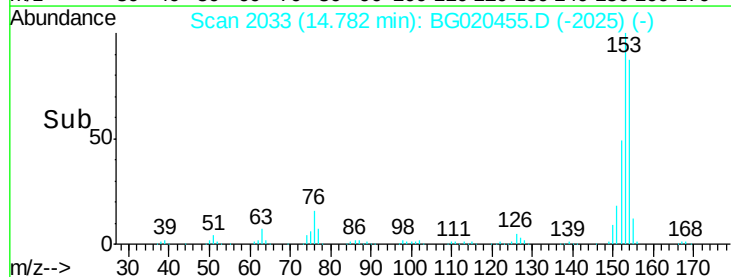
65 198.7 93.4 140.2#

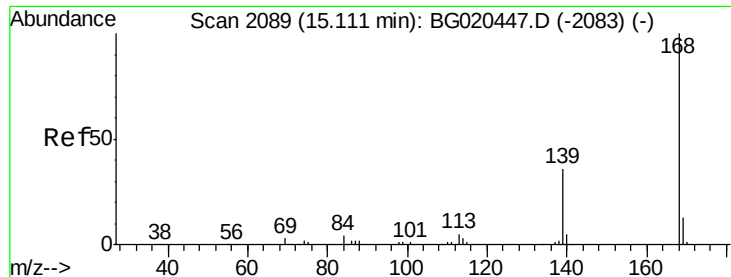


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BG

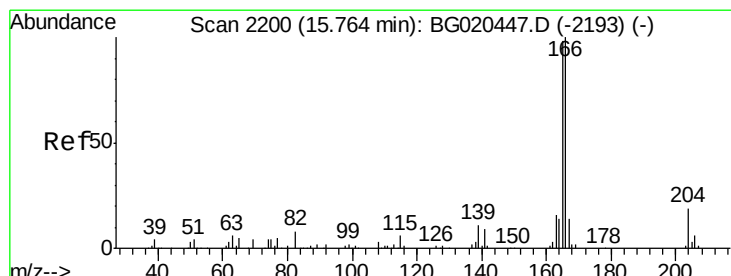
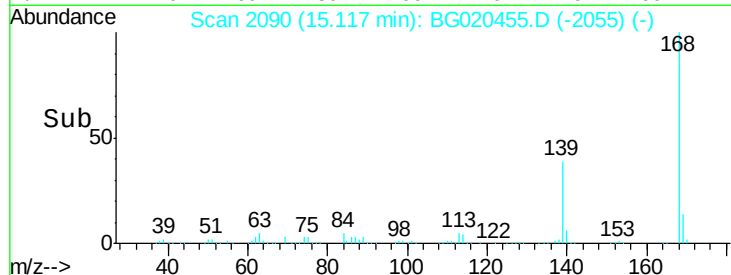
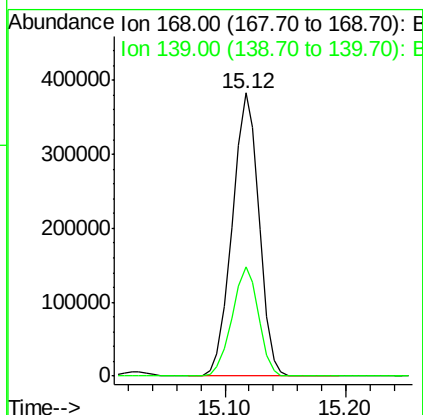
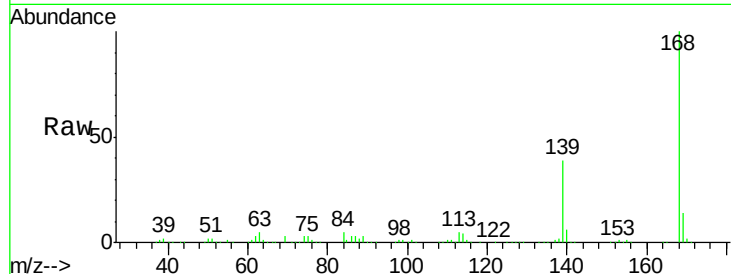




#54
Dibenzenofuran
Concen: 92.69 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. 0.01 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

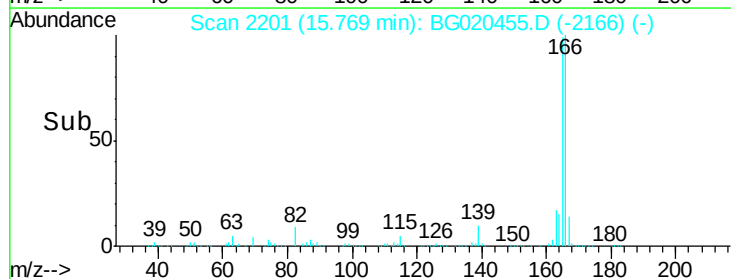
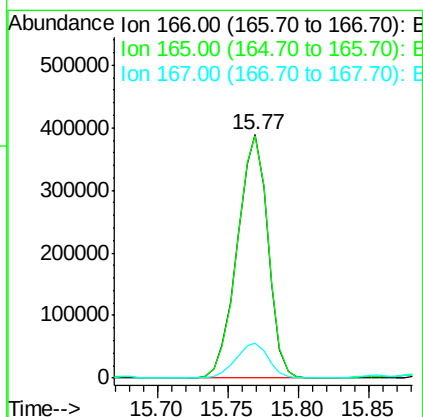
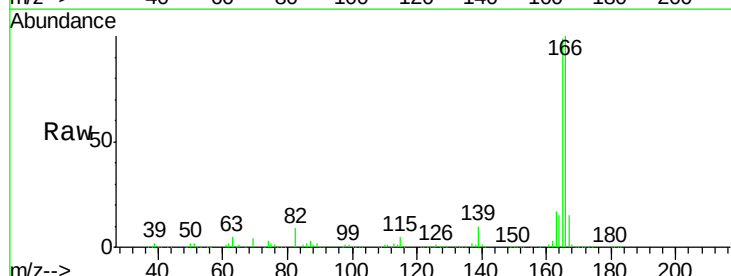
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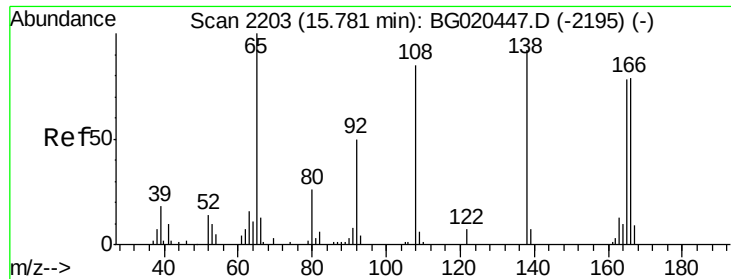
Tgt Ion:168 Resp: 589005
Ion Ratio Lower Upper
168 100
139 38.6 30.5 45.7



#59
Fluorene
Concen: 114.72 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

Tgt Ion:166 Resp: 585440
Ion Ratio Lower Upper
166 100
165 99.4 81.4 122.0
167 14.5 11.2 16.8

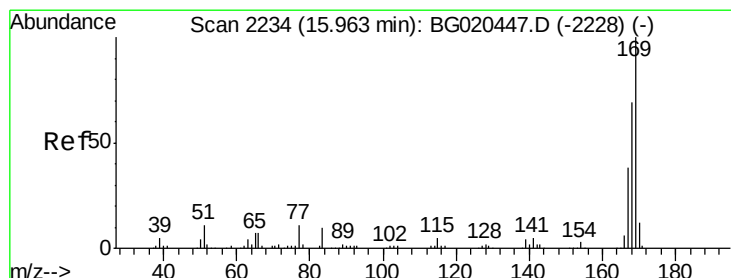
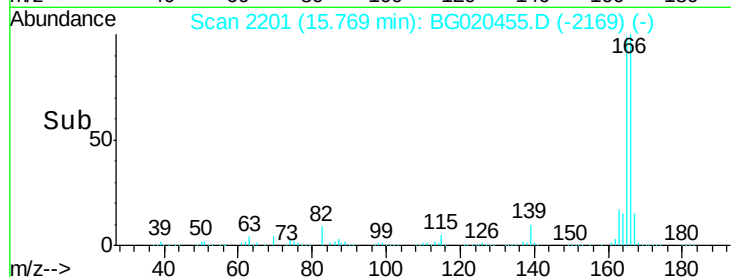
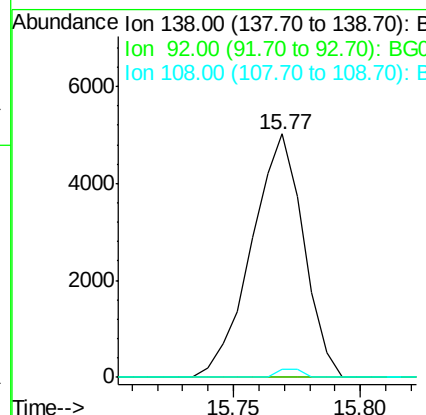
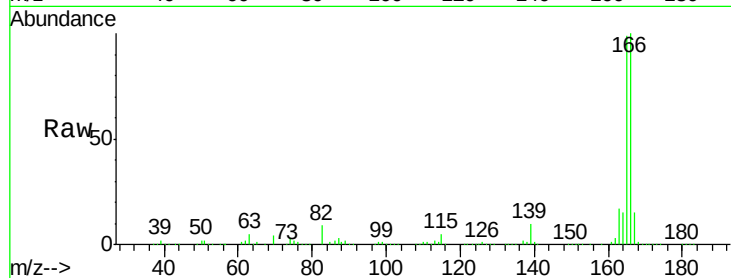




#61
 4-Nitroaniline
 Concen: 6.30 ng/ul
 RT: 15.77 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG020455.D
 Acq: 23 Dec 2015 22:45

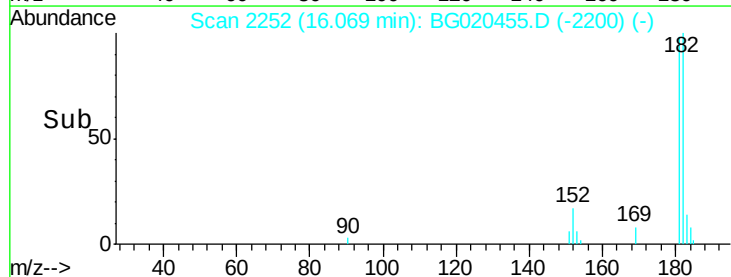
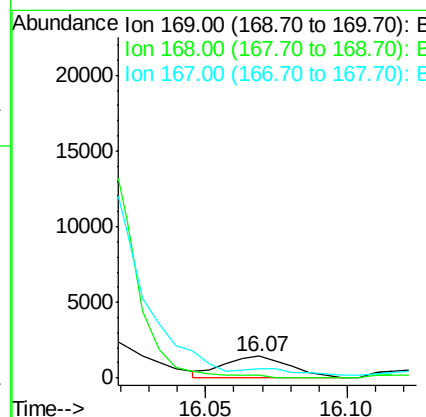
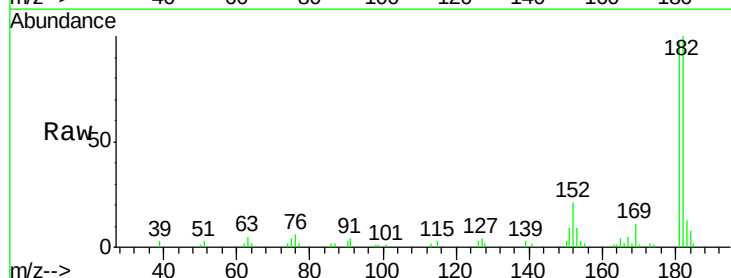
Instrument :
 BNA_G
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 D9N63DL

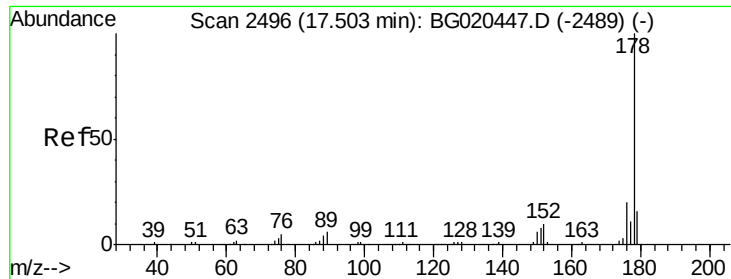
Tgt Ion:138 Resp: 7174
 Ion Ratio Lower Upper
 138 100
 92 0.0 45.2 67.8#
 108 3.2 75.4 113.0#



#65
 N-Nitrosodiphenylamine
 Concen: 11.37 ng/ul
 RT: 16.07 min Scan# 2252
 Delta R.T. 0.11 min
 Lab File: BG020455.D
 Acq: 23 Dec 2015 22:45

Tgt Ion:169 Resp: 2371
 Ion Ratio Lower Upper
 169 100
 168 16.2 54.3 81.5#
 167 43.7 31.8 47.8





#70

Phenanthrene

Concen: 802.49 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.10 min

Lab File: BG020455.D

Acq: 23 Dec 2015 22:45

Instrument :

BNA_G

ClientSampleId :

D9N63DL

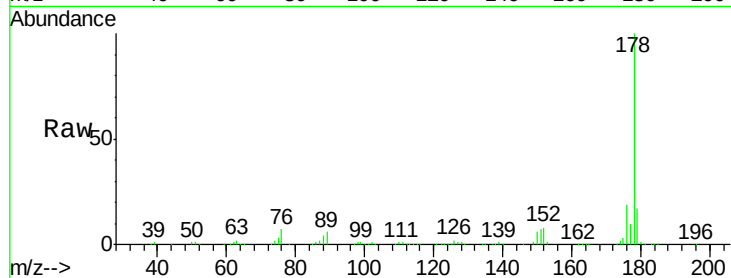
Tgt Ion:178 Resp: 329211

Ion Ratio Lower Upper

178 100

179 16.7 12.9 19.3

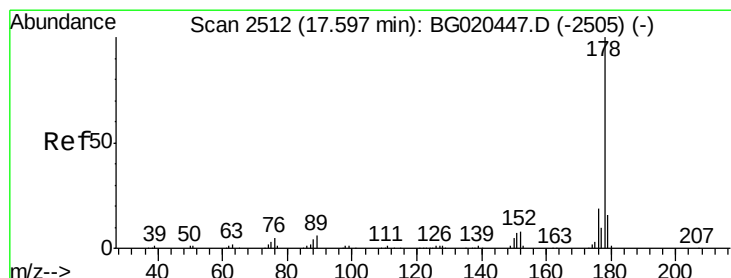
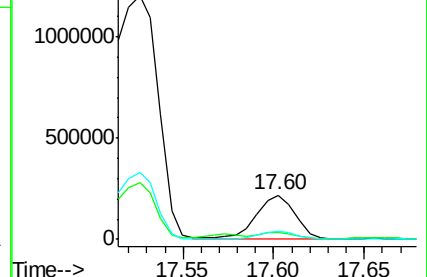
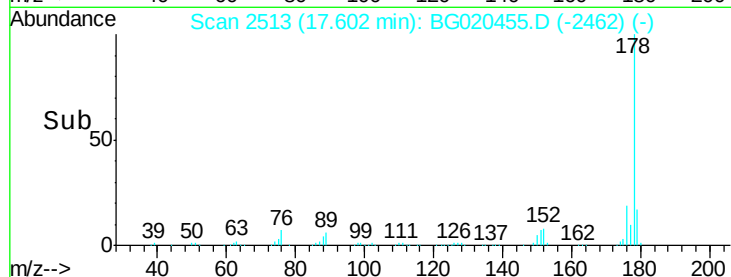
176 18.8 15.3 22.9



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: 764.10 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.01 min

Lab File: BG020455.D

Acq: 23 Dec 2015 22:45

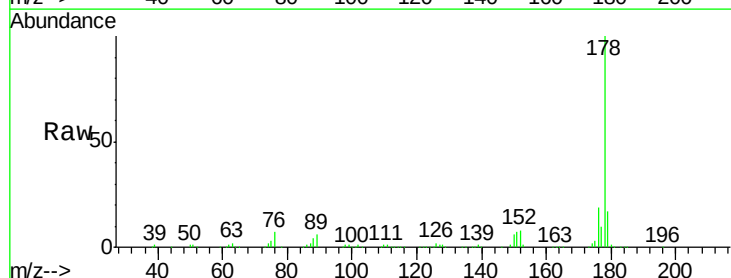
Tgt Ion:178 Resp: 317932

Ion Ratio Lower Upper

178 100

179 16.7 12.3 18.5

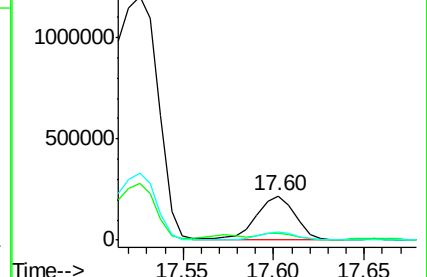
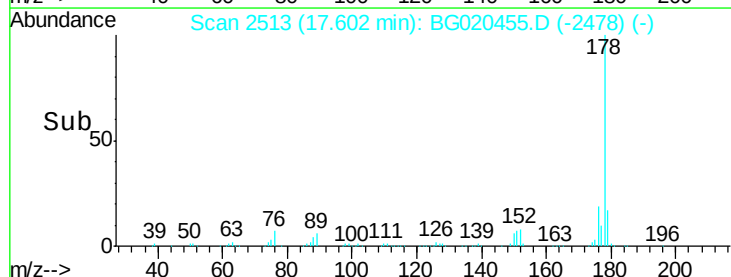
176 18.8 14.3 21.5

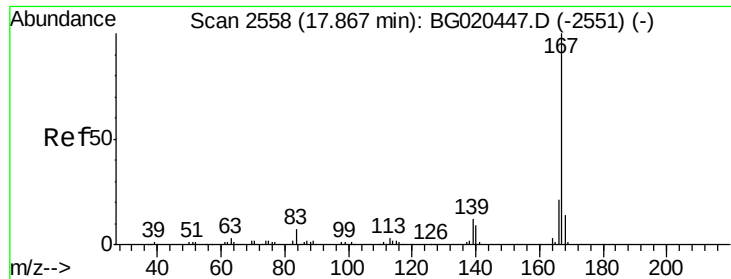


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

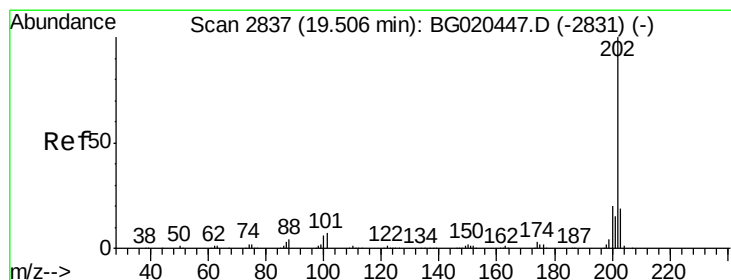
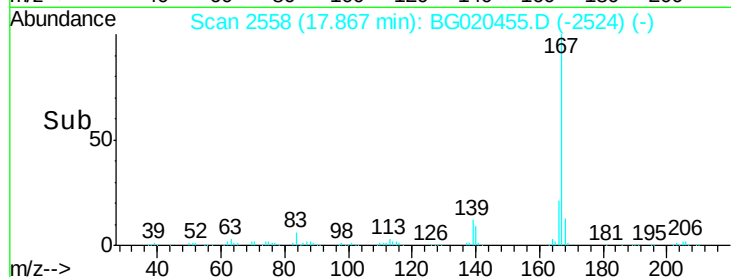
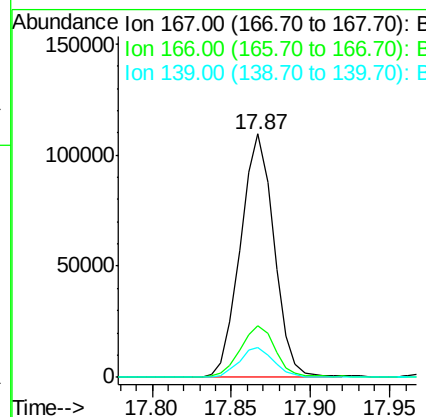
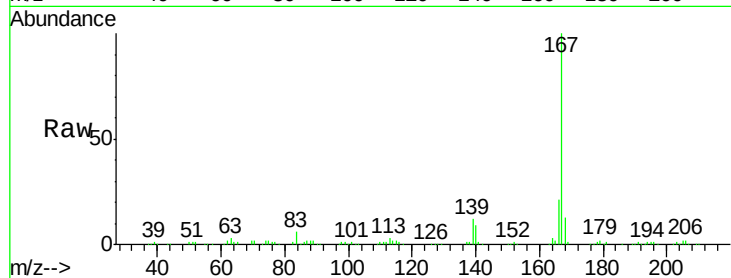




#75
 Carbazole
 Concen: 462.85 ng/ul
 RT: 17.87 min Scan# 2558
 Delta R.T. -0.00 min
 Lab File: BG020455.D
 Acq: 23 Dec 2015 22:45

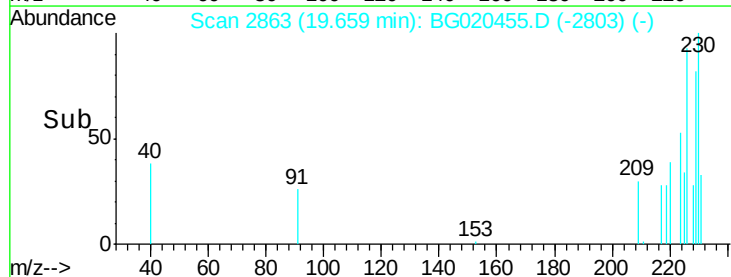
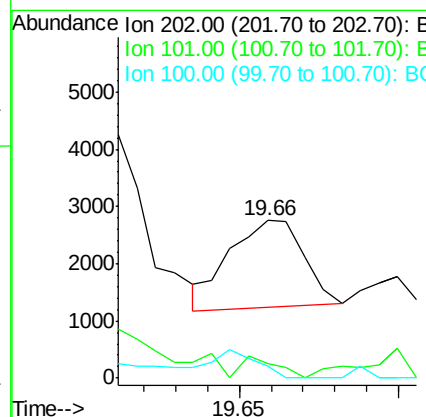
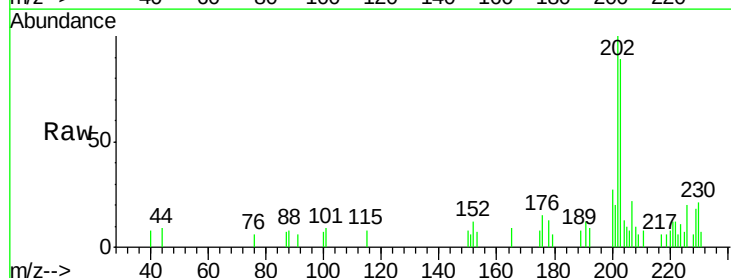
Instrument :
 BNA_G
 ClientSampleId :
 D9N63DL

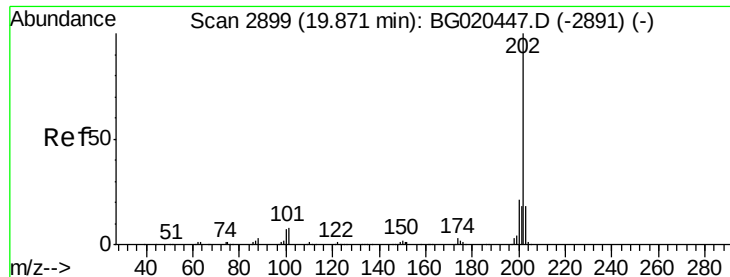
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.3	10.1	15.1



#77
 Fluoranthene
 Concen: 5.09 ng/ul
 RT: 19.66 min Scan# 2863
 Delta R.T. 0.15 min
 Lab File: BG020455.D
 Acq: 23 Dec 2015 22:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	6.2	9.4
100	7.4	5.1	7.7

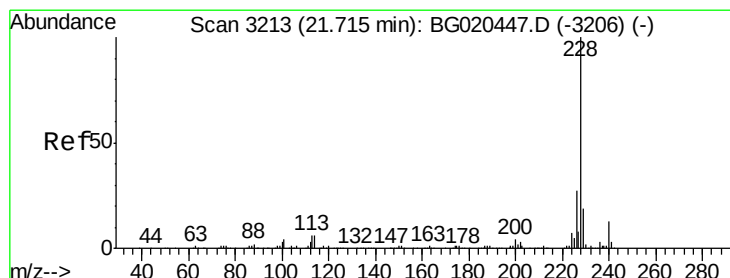
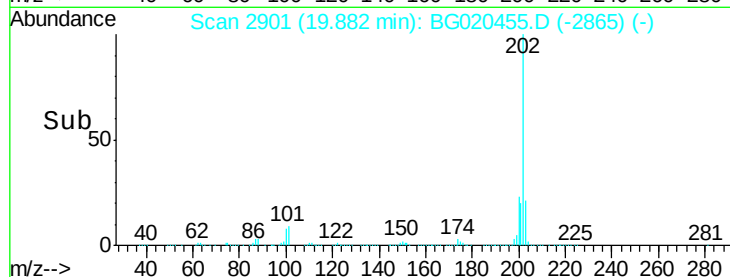
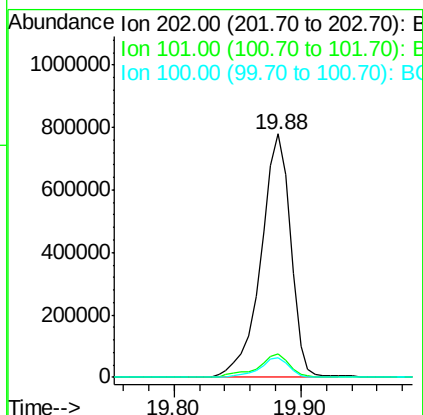
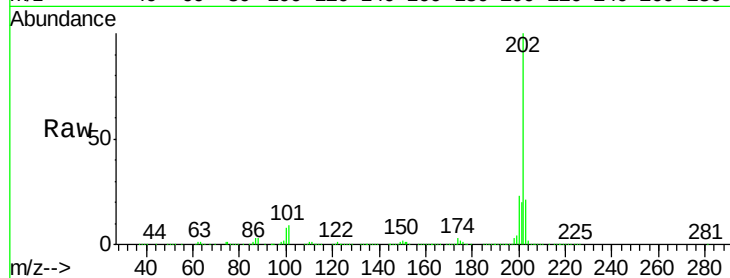




#80
 Pyrene
 Concen: 113.22 ng/ul
 RT: 19.88 min Scan# 2901
 Delta R.T. 0.01 min
 Lab File: BG020455.D
 Acq: 23 Dec 2015 22:45

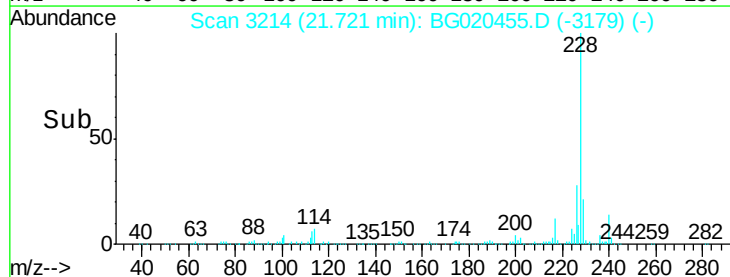
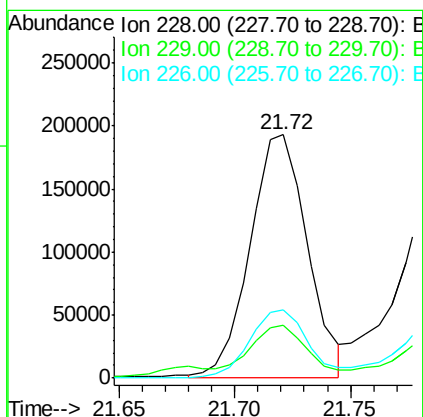
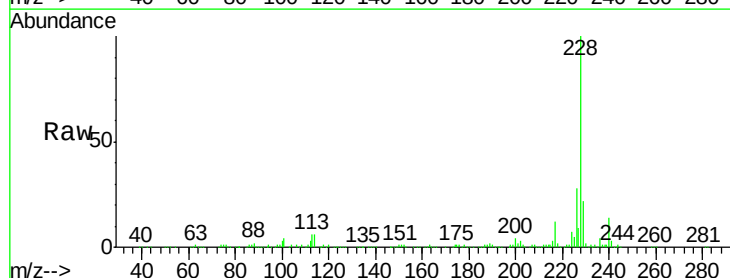
Instrument :
 BNA_G
 ClientSampleId :
 D9N63DL

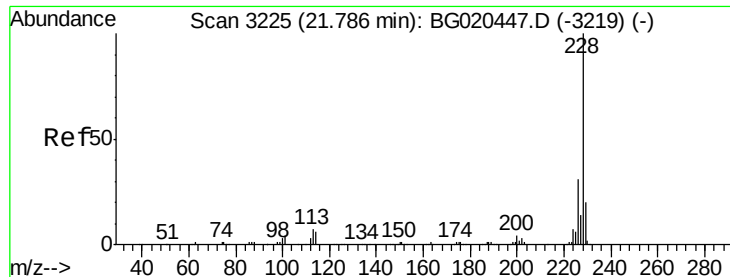
Tgt Ion:202 Resp: 1267307
 Ion Ratio Lower Upper
 202 100
 101 9.4 7.0 10.4
 100 8.2 6.4 9.6



#83
 Benzo(a)anthracene
 Concen: 30.83 ng/ul
 RT: 21.72 min Scan# 3214
 Delta R.T. 0.01 min
 Lab File: BG020455.D
 Acq: 23 Dec 2015 22:45

Tgt Ion:228 Resp: 332713
 Ion Ratio Lower Upper
 228 100
 229 21.5 15.8 23.8
 226 28.0 21.8 32.6





#85

Chrysene

Concen: 29.05 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BG020455.D

Acq: 23 Dec 2015 22:45

Instrument :

BNA_G

ClientSampleId :

D9N63DL

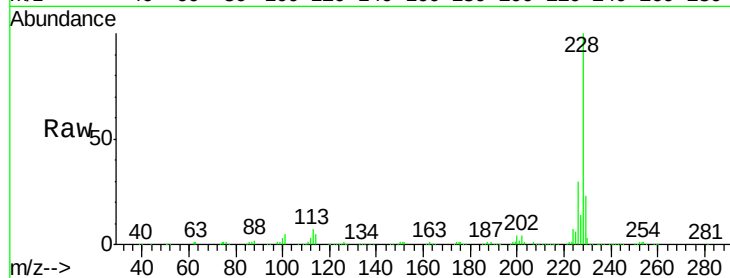
Tgt Ion:228 Resp: 295292

Ion Ratio Lower Upper

228 100

226 30.5 23.9 35.9

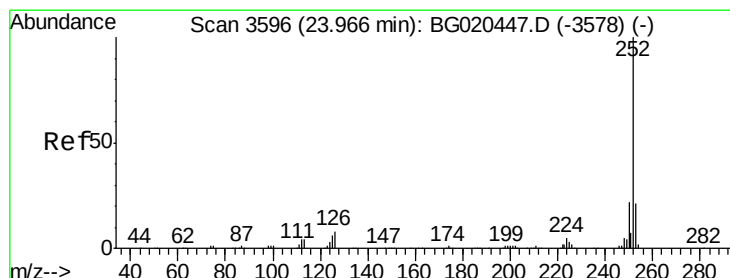
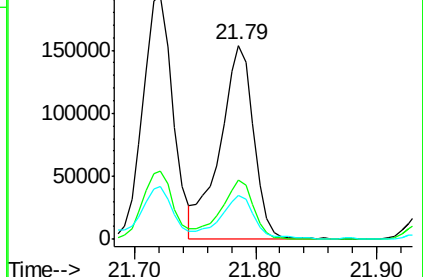
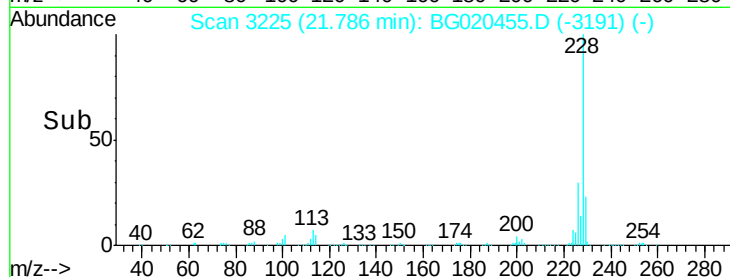
229 22.9 15.6 23.4



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: 14.56 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. -0.00 min

Lab File: BG020455.D

Acq: 23 Dec 2015 22:45

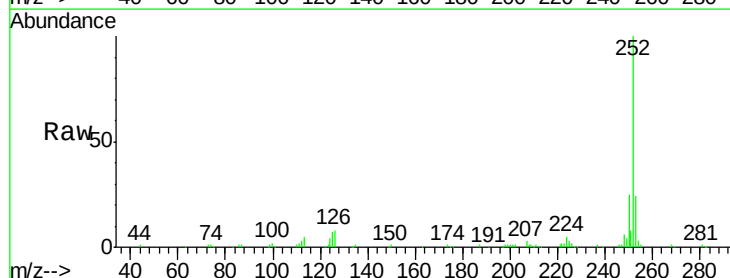
Tgt Ion:252 Resp: 157190

Ion Ratio Lower Upper

252 100

253 23.7 16.7 25.1

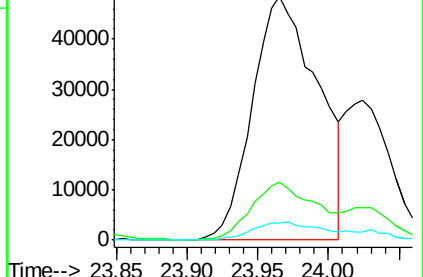
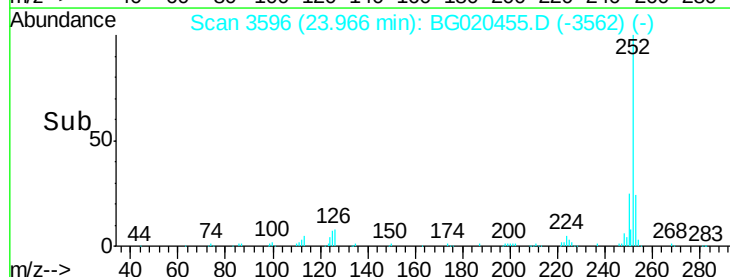
125 6.9 6.2 9.2

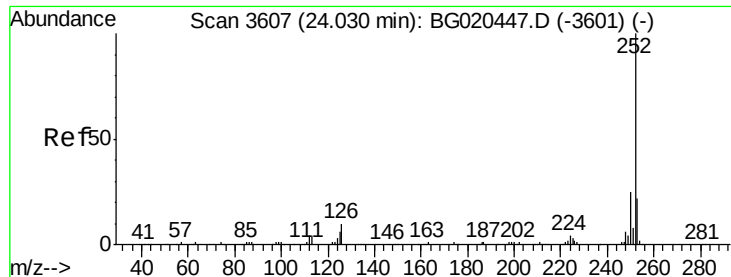


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 15.17 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. -0.06 min

Lab File: BG020455.D

Acq: 23 Dec 2015 22:45

Instrument :

BNA_G

ClientSampleId :

D9N63DL

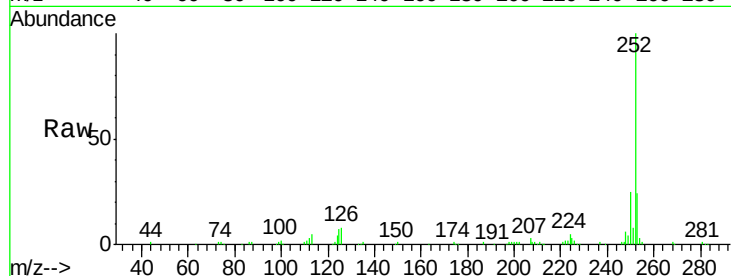
Tgt Ion:252 Resp: 157190

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

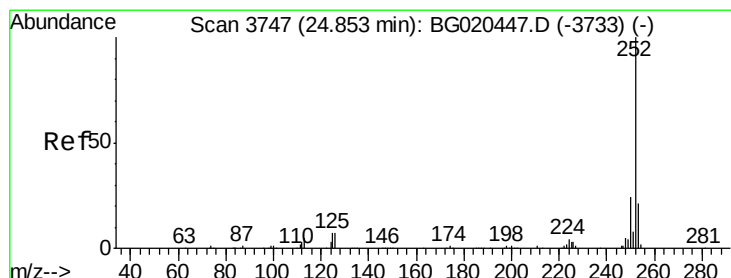
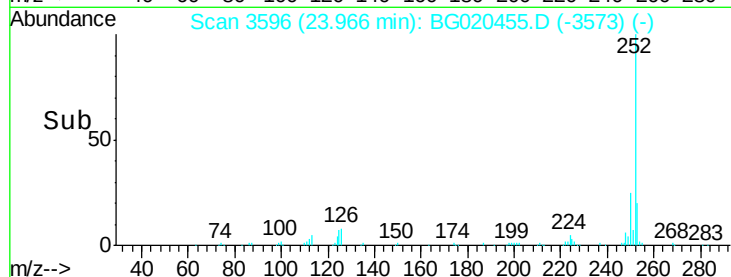
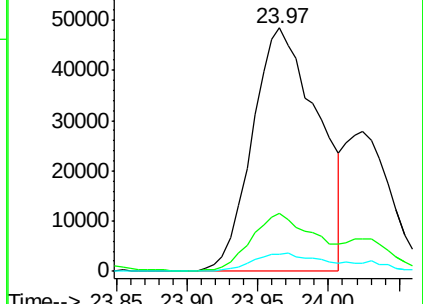
125 6.9 5.8 8.6



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: 8.71 ng/ul

RT: 24.85 min Scan# 3746

Delta R.T. -0.01 min

Lab File: BG020455.D

Acq: 23 Dec 2015 22:45

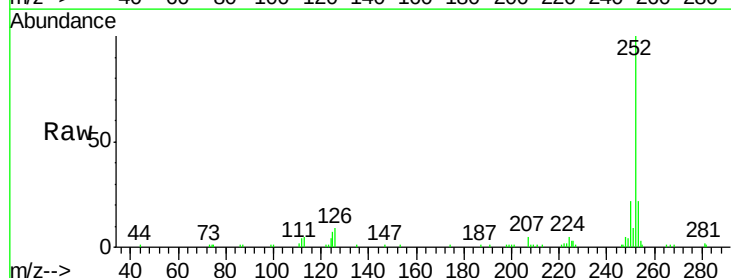
Tgt Ion:252 Resp: 89189

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.4

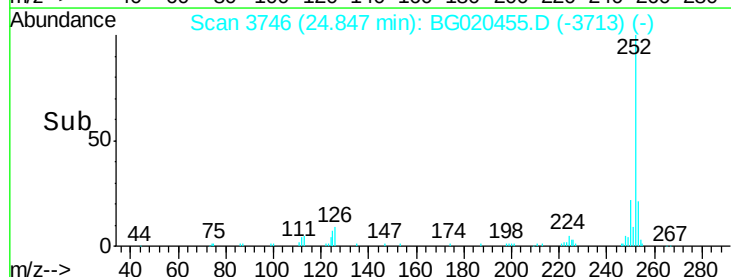
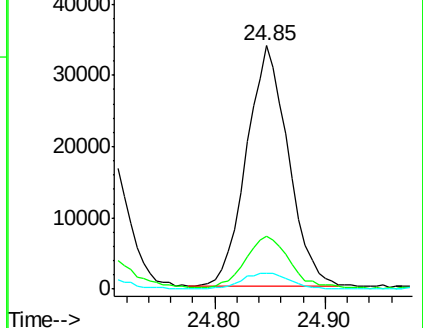
125 6.7 6.2 9.4

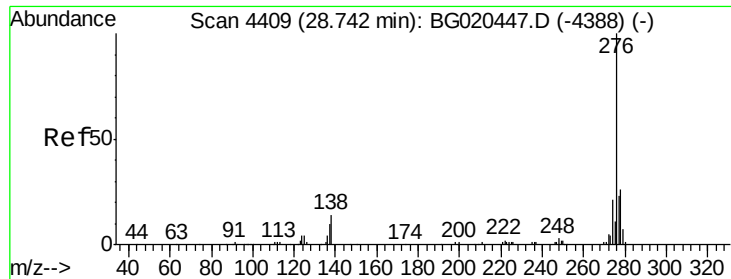


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.95 ng/ul

RT: 28.74 min Scan# 4408

Delta R.T. -0.01 min

Lab File: BG020455.D

Acq: 23 Dec 2015 22:45

Instrument :

BNA_G

ClientSampleId :

D9N63DL

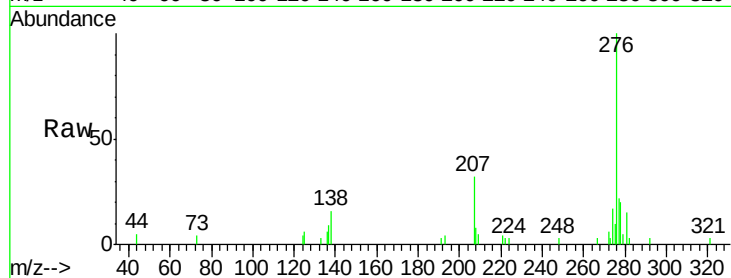
Tgt Ion: 276 Resp: 23753

Ion Ratio Lower Upper

276 100

138 15.9 11.4 17.0

277 21.8 17.4 26.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

