

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
 Data File : BG020155.D
 Acq On : 14 Dec 2015 14:58
 Operator : UM/SJ
 Sample : G4767-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N28

Quant Time: Dec 15 03:49:40 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 15 03:46:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	22343	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	102763	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	73922	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	181342	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	203765	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	192117	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	2469	6.10	ng/uL	0.00
5) Phenol-d5	7.25	99	62203	31.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	40110	34.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	47214	32.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	54492	32.34	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	26246	32.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	32027	35.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	57005	31.57	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	73625	36.30	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	196942	32.94	ng/ul	0.00
47) Acenaphthylene-d8	14.43	160	227197	32.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	34616	32.28	ng/ul	0.00
58) Fluorene-d10	15.72	176	172336	31.78	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	33893	31.53	ng/ul	0.00
71) Anthracene-d10	17.57	188	277196	33.17	ng/ul	0.00
79) Pyrene-d10	19.85	212	317831	33.47	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	333031	34.75	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.27	94	2312	1.10	ng/ul	90
15) N-Nitroso-di-n-propylamine	8.80	70	1406	1.01	ng/ul#	1
28) Naphthalene	10.97	128	571963	106.58	ng/ul	97
30) 4-Chloroaniline	10.97	127	79246	38.28	ng/ul#	13
34) 2-Methylnaphthalene	12.56	142	162638	39.68	ng/ul	95
35) 1-Methylnaphthalene	12.78	142	77454	19.65	ng/ul#	97
41) 1,1'-Biphenyl	13.56	154	62802	11.26	ng/ul	95
45) Dimethylphthalate	14.17	163	79347	12.99	ng/ul	99
48) Acenaphthylene	14.45	152	16198	2.19	ng/ul#	96
50) Acenaphthene	14.80	153	268150	53.92	ng/ul	99
54) Dibenzofuran	15.13	168	276743	37.41	ng/ul	98
59) Fluorene	15.78	166	278173	46.83	ng/ul	96
61) 4-Nitroaniline	15.77	138	3504	2.64	ng/ul#	10
70) Phenanthrene	17.52	178	1200054	120.98	ng/ul	95
72) Anthracene	17.61	178	183158	18.21	ng/ul	99
75) Carbazole	17.87	167	107329	12.70	ng/ul	99
77) Fluoranthene	19.52	202	655321	56.53	ng/ul	100
80) Pyrene	19.88	202	436996	35.43	ng/ul	99
83) Benzo(a)anthracene	21.72	228	94761	7.97	ng/ul	98
85) Chrysene	21.79	228	79407	7.09	ng/ul	98
88) Benzo(b)fluoranthene	23.97	252	40105	3.47	ng/ul	95
89) Benzo(k)fluoranthene	23.97	252	40105	3.61	ng/ul	98
91) Benzo(a)pyrene	24.86	252	23871	2.18	ng/ul	97

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Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N28

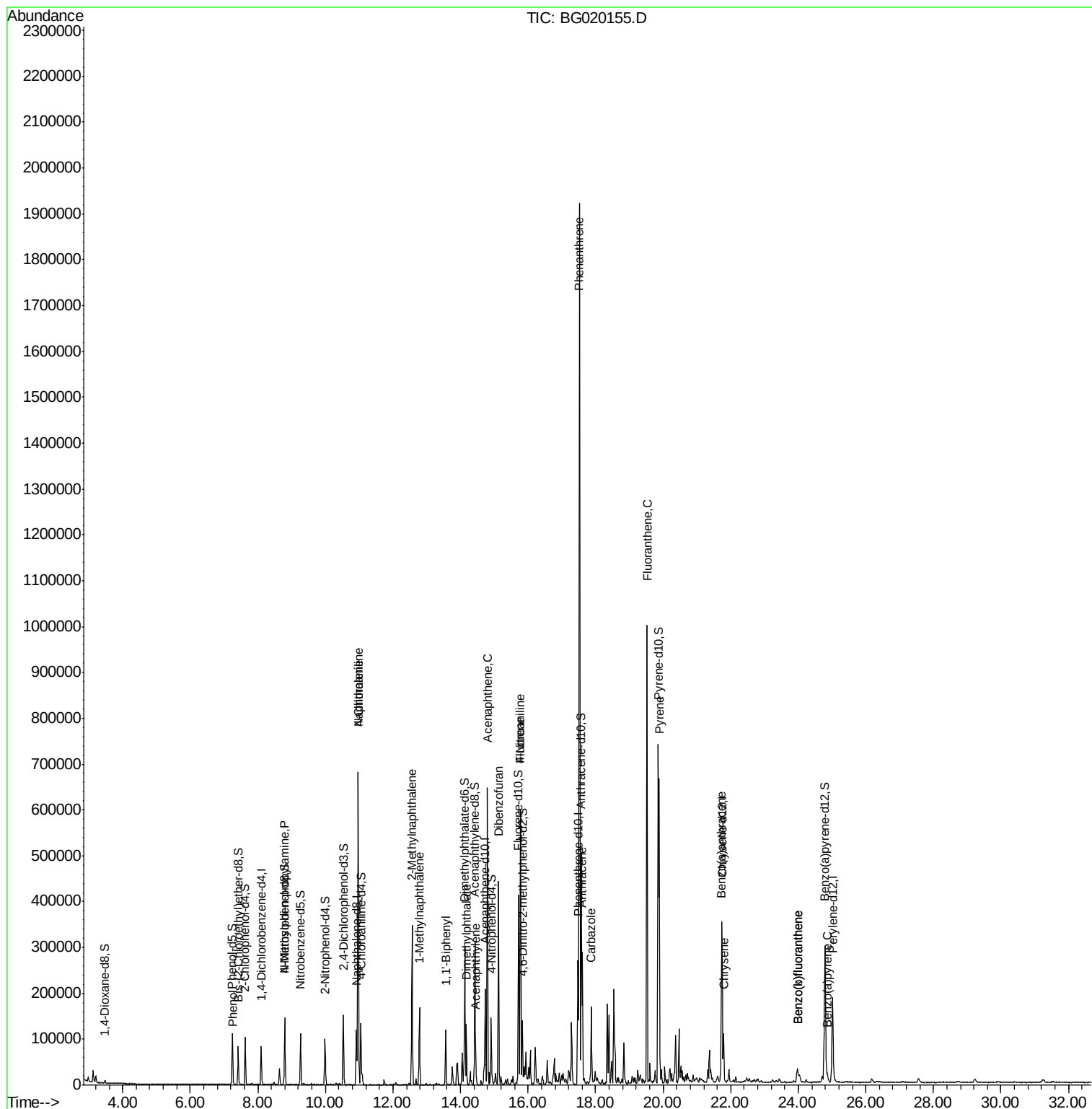
Quant Time: Dec 15 03:49:40 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 15 03:46:07 2015
Response via : Initial Calibration

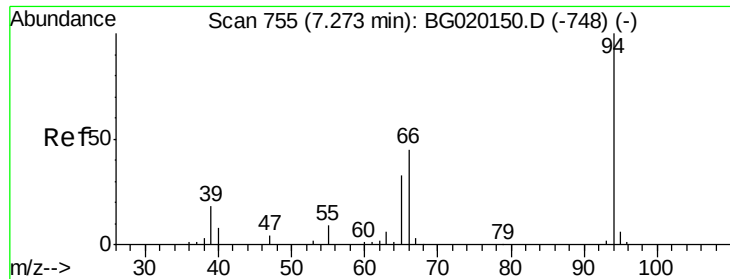
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\  
Data File : BG020155.D  
Acq On    : 14 Dec 2015   14:58  
Operator  : UM/SJ  
Sample    : G4767-06  
Misc      :  
ALS Vial  : 7      Sample Multiplier: 1
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Quant Time: Dec 15 03:49:40 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 1.10 ng/ul

RT: 7.27 min Scan# 754

Delta R.T. -0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

Instrument :

BNA_G

ClientSampleId :

D9N28

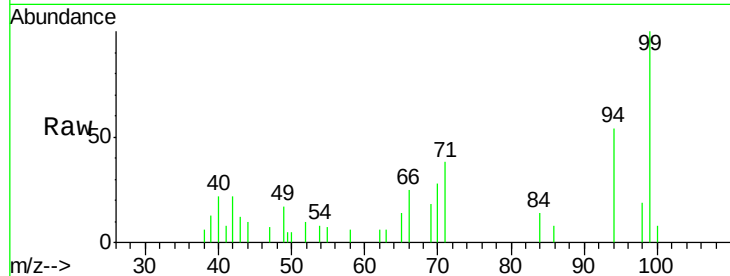
Tgt Ion: 94 Resp: 2312

Ion Ratio Lower Upper

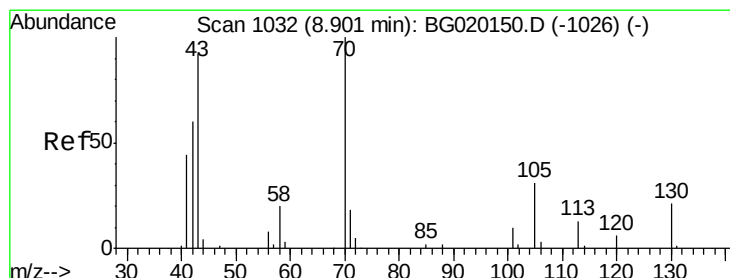
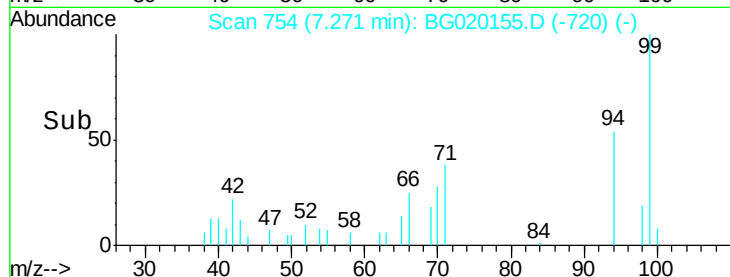
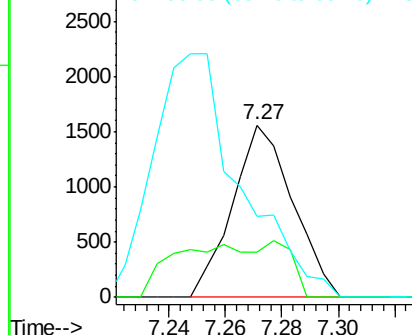
94 100

65 26.5 26.3 39.5

66 46.9 33.3 49.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#15

N-Nitroso-di-n-propylamine

Concen: 1.01 ng/ul

RT: 8.80 min Scan# 1014

Delta R.T. -0.10 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

Tgt Ion: 70 Resp: 1406

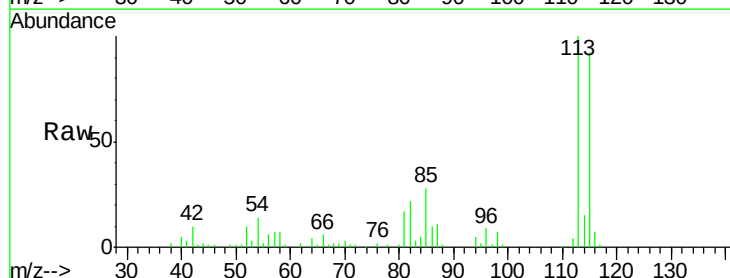
Ion Ratio Lower Upper

70 100

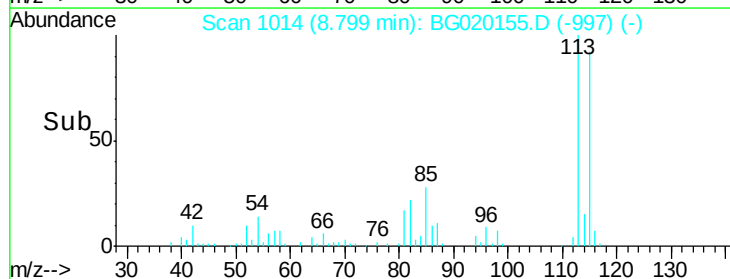
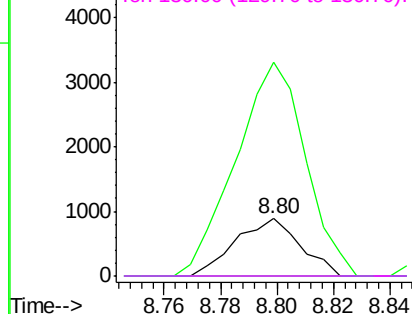
42 373.9 44.3 66.5#

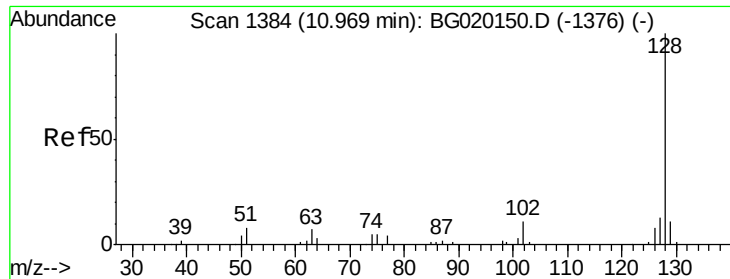
101 0.0 7.6 11.4#

130 0.0 17.0 25.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

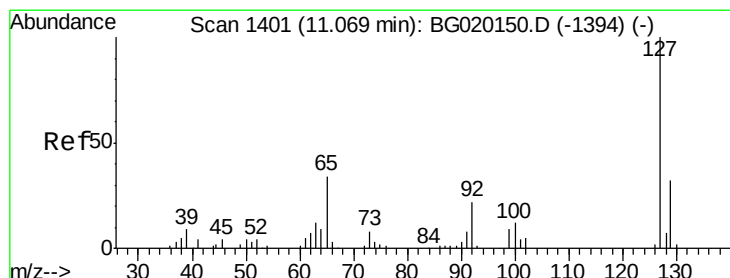
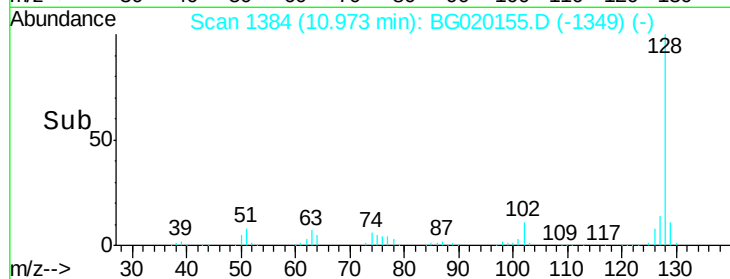
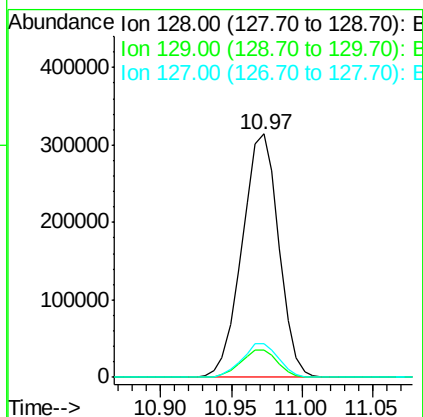
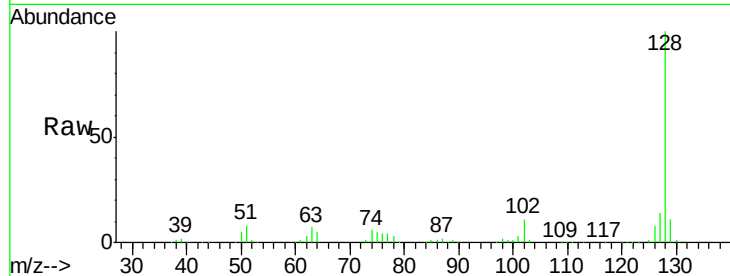




#28
Naphthalene
Concen: 106.58 ng/ul
RT: 10.97 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BG020155.D
Acq: 14 Dec 2015 14:58

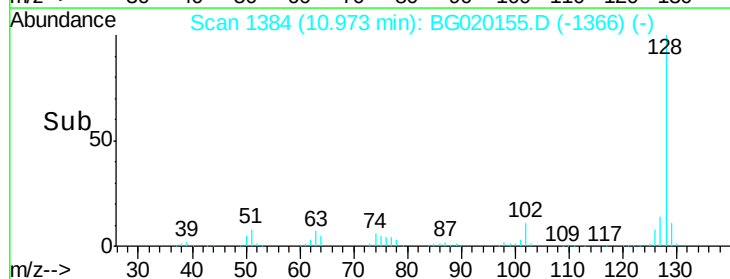
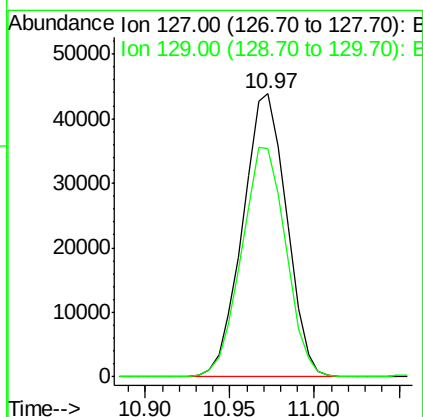
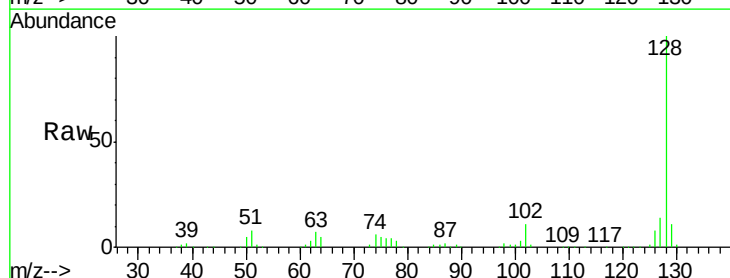
Instrument :
BNA_G
ClientSampleId :
D9N28

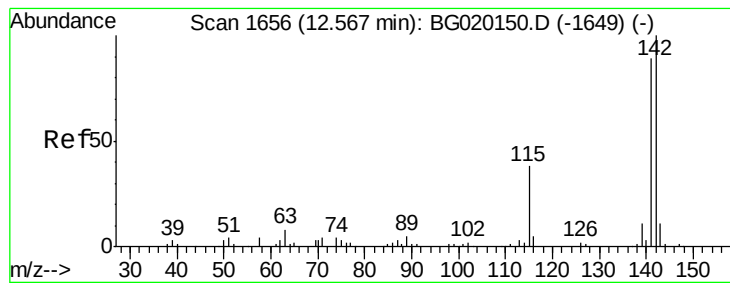
Tgt Ion:128 Resp: 571963
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 13.9 10.1 15.1



#30
4-Chloroaniline
Concen: 38.28 ng/ul
RT: 10.97 min Scan# 1384
Delta R.T. -0.10 min
Lab File: BG020155.D
Acq: 14 Dec 2015 14:58

Tgt Ion:127 Resp: 79246
Ion Ratio Lower Upper
127 100
129 80.9 25.7 38.5#





#34

2-Methylnaphthalene

Concen: 39.68 ng/ul

RT: 12.56 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

Instrument :

BNA_G

ClientSampleId :

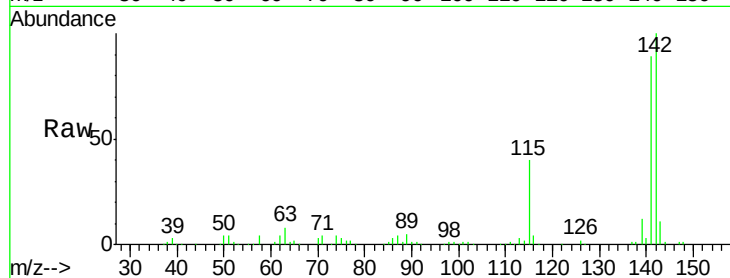
D9N28

Tgt Ion:142 Resp: 162638

Ion Ratio Lower Upper

142 100

141 89.1 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.56

100000

80000

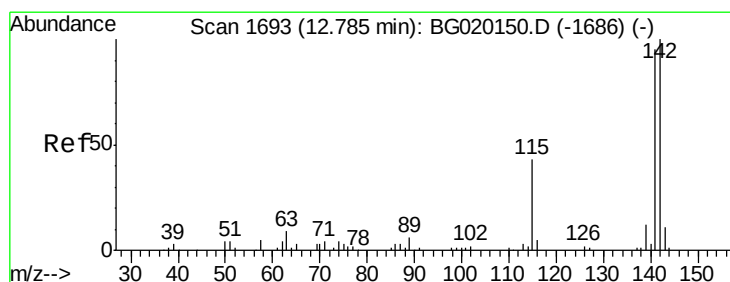
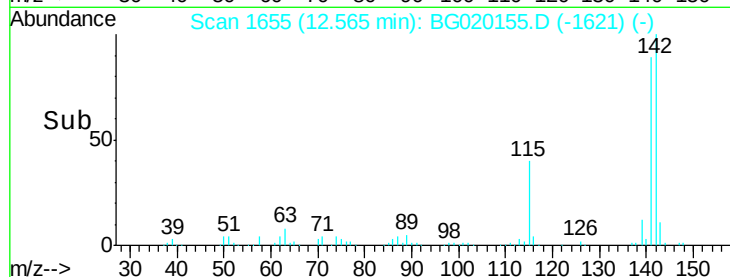
60000

40000

20000

0

Time-->



#35

1-Methylnaphthalene

Concen: 19.65 ng/ul

RT: 12.78 min Scan# 1692

Delta R.T. -0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

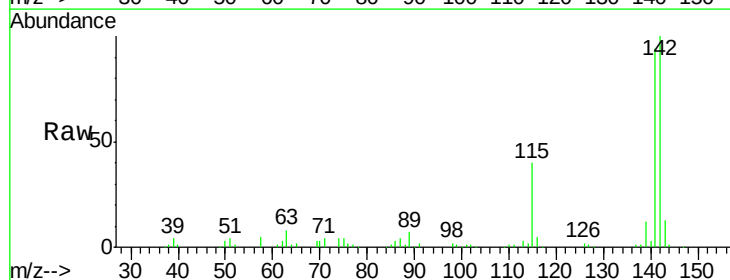
Tgt Ion:142 Resp: 77454

Ion Ratio Lower Upper

142 100

141 94.1 73.0 109.6

116 5.2 3.0 4.6#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

12.78

60000

50000

40000

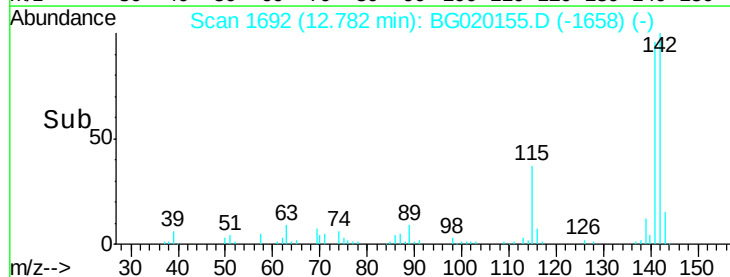
30000

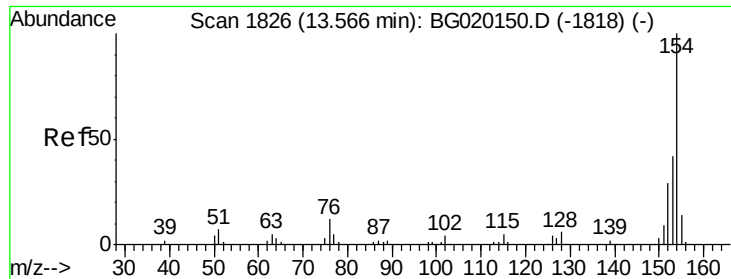
20000

10000

0

Time-->

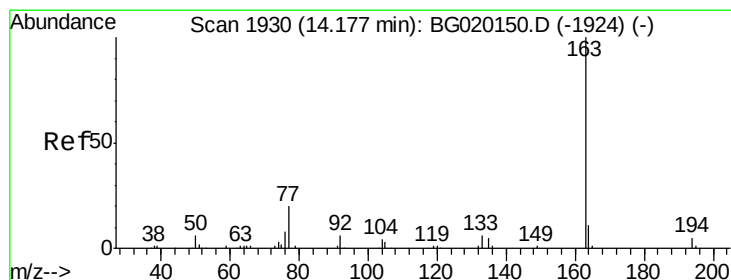
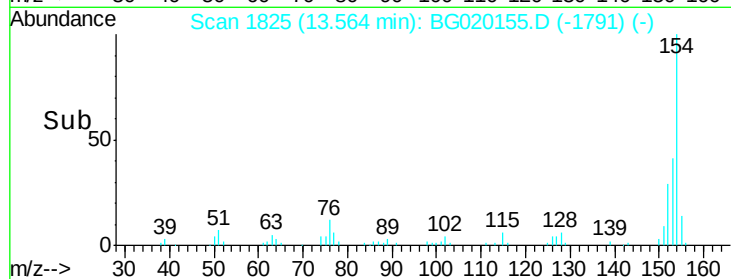
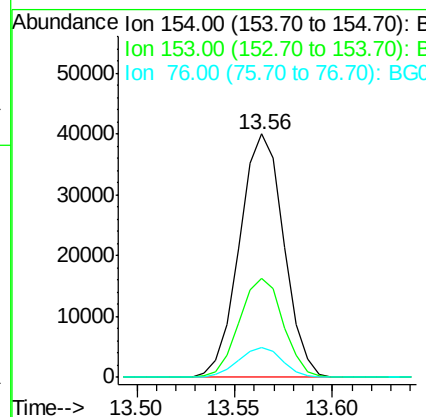
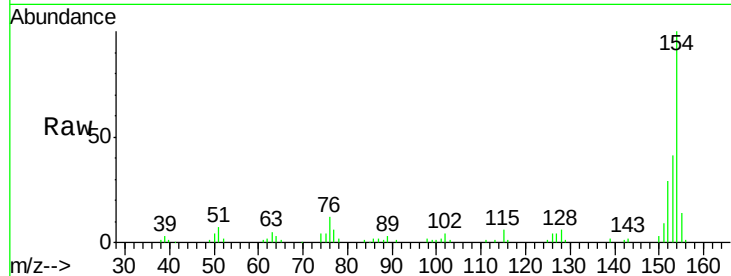




#41
 1,1'-Biphenyl
 Concen: 11.26 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BG020155.D
 Acq: 14 Dec 2015 14:58

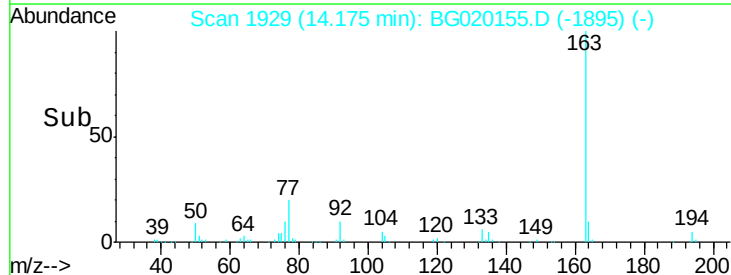
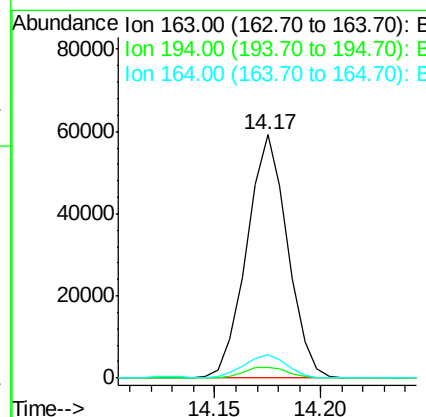
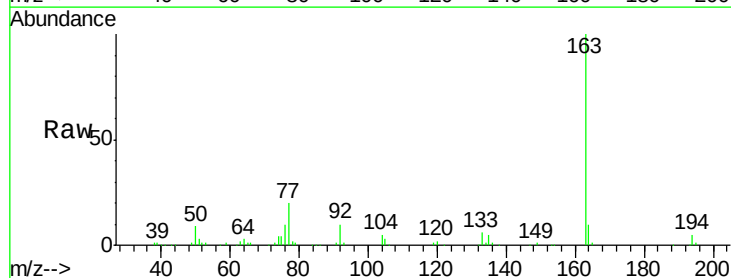
Instrument :
 BNA_G
 ClientSampleId :
 D9N28

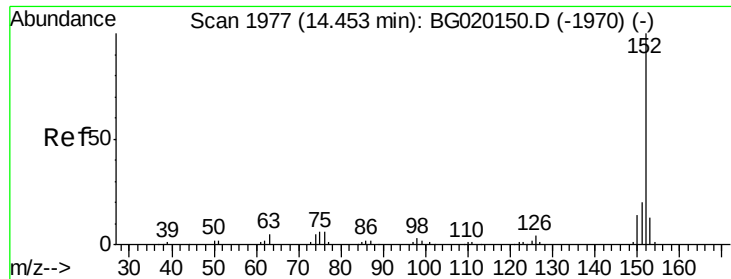
Tgt Ion:154 Resp: 62802
 Ion Ratio Lower Upper
 154 100
 153 40.8 35.5 53.3
 76 12.2 10.4 15.6



#45
 Dimethylphthalate
 Concen: 12.99 ng/ul
 RT: 14.17 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: BG020155.D
 Acq: 14 Dec 2015 14:58

Tgt Ion:163 Resp: 79347
 Ion Ratio Lower Upper
 163 100
 194 4.5 3.5 5.3
 164 9.8 7.7 11.5





#48

Acenaphthylene

Concen: 2.19 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

Instrument :

BNA_G

ClientSampleId :

D9N28

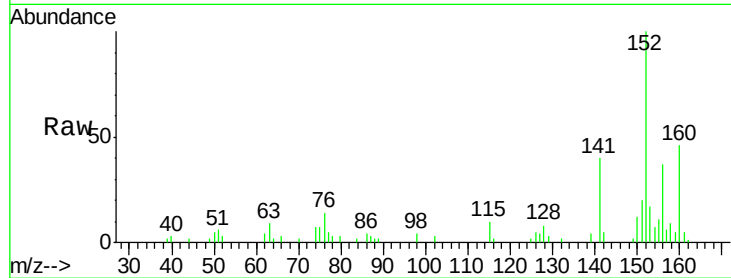
Tgt Ion:152 Resp: 16198

Ion Ratio Lower Upper

152 100

151 20.1 16.4 24.6

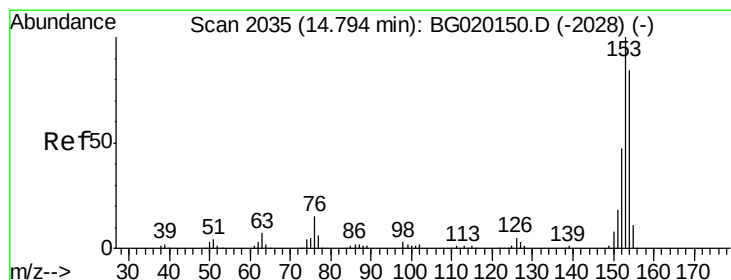
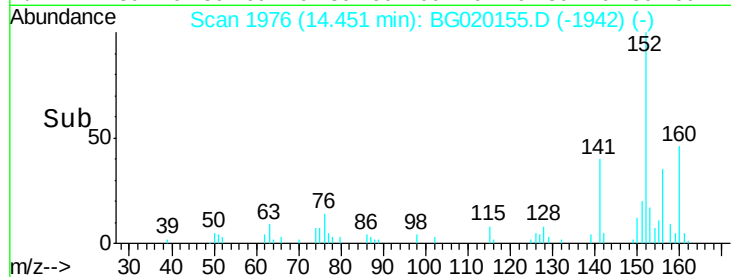
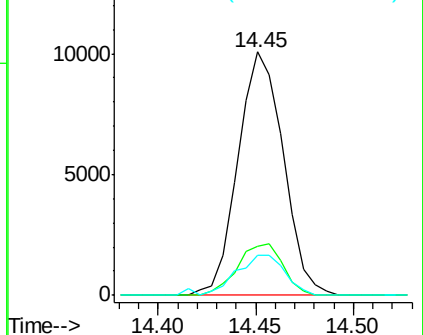
153 16.6 10.4 15.6#



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: 53.92 ng/ul

RT: 14.80 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

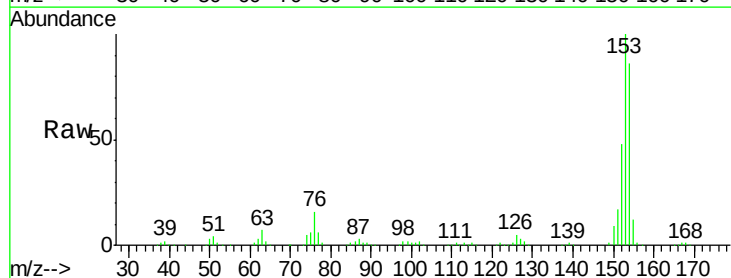
Tgt Ion:153 Resp: 268150

Ion Ratio Lower Upper

153 100

152 47.5 37.6 56.4

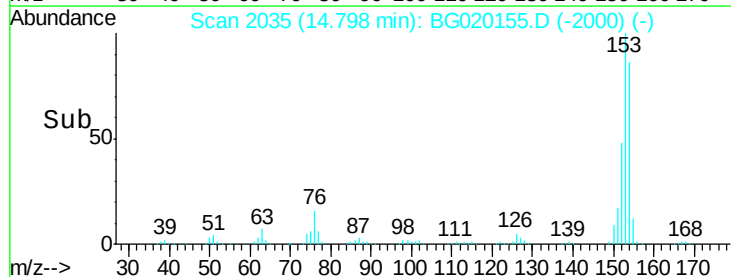
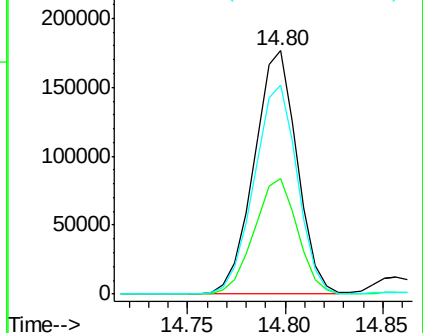
154 85.8 67.9 101.9

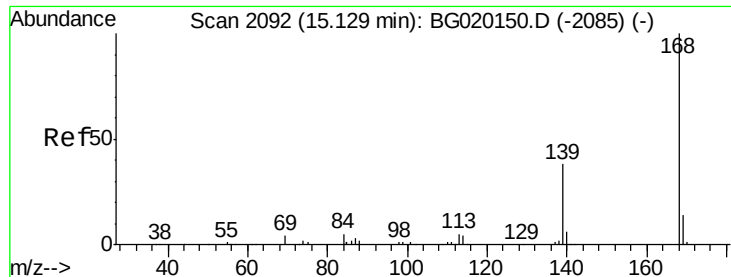


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 37.41 ng/ul

RT: 15.13 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

Instrument :

BNA_G

ClientSampleId :

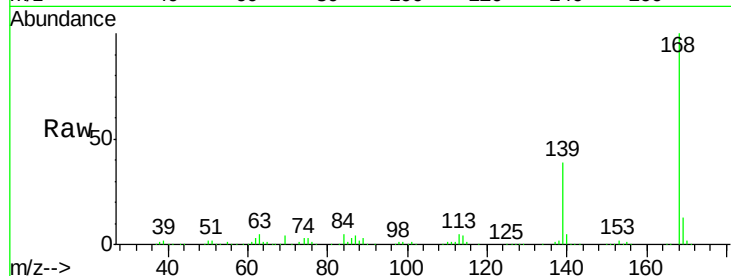
D9N28

Tgt Ion:168 Resp: 276743

Ion Ratio Lower Upper

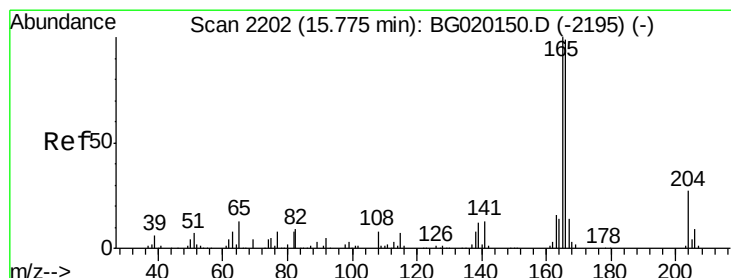
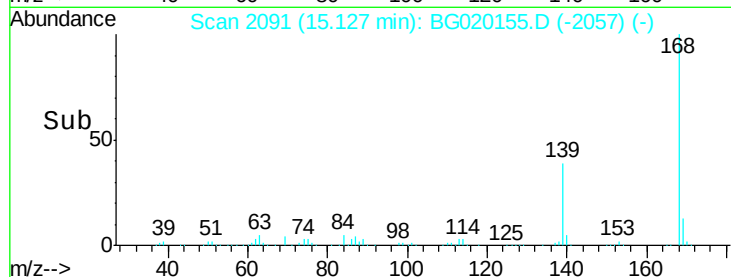
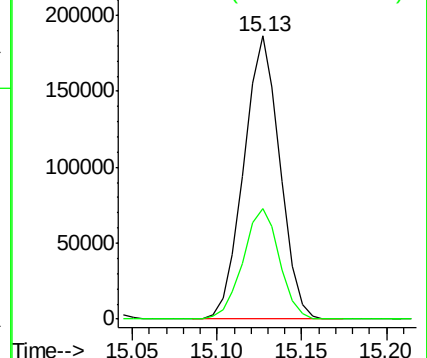
168 100

139 39.1 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 46.83 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

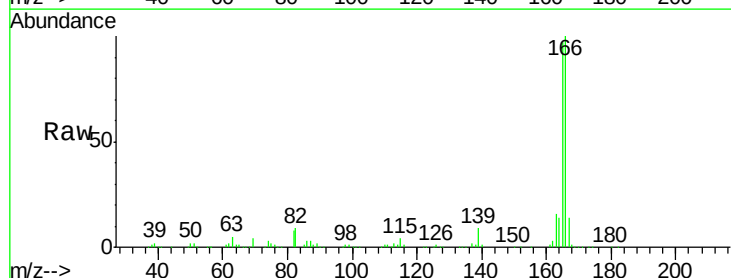
Tgt Ion:166 Resp: 278173

Ion Ratio Lower Upper

166 100

165 96.9 81.4 122.0

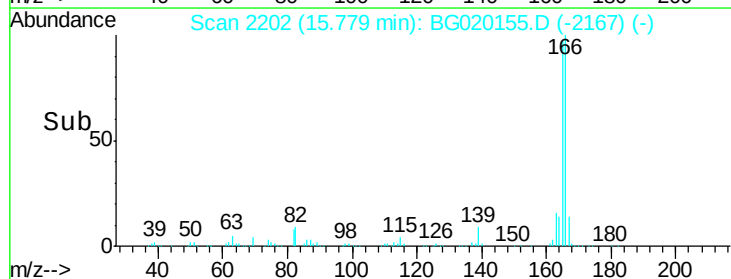
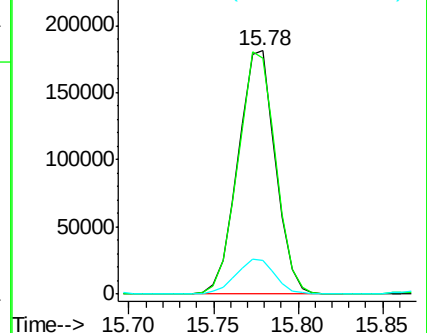
167 13.8 11.2 16.8

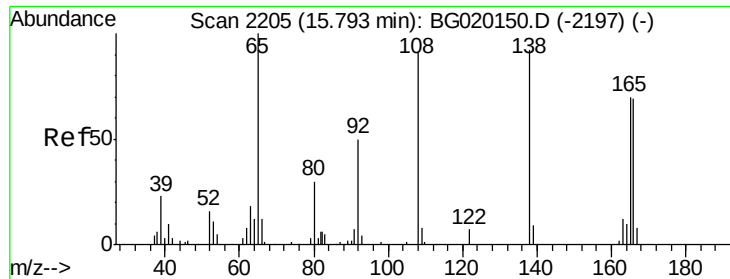


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

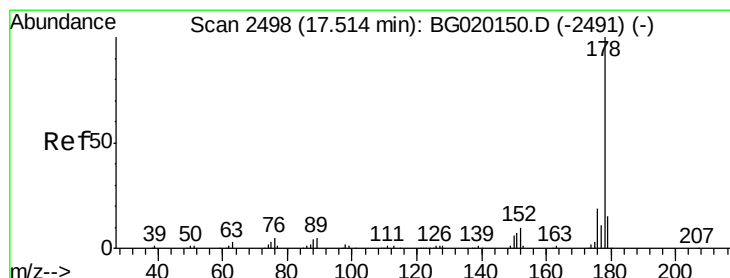
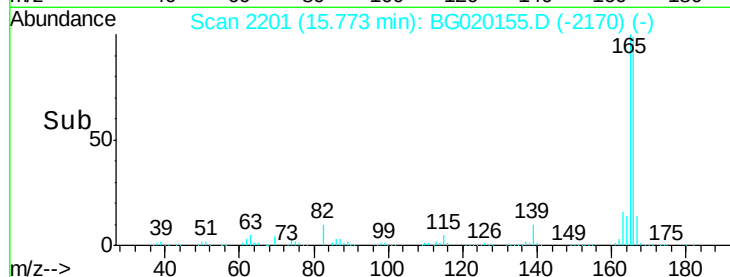
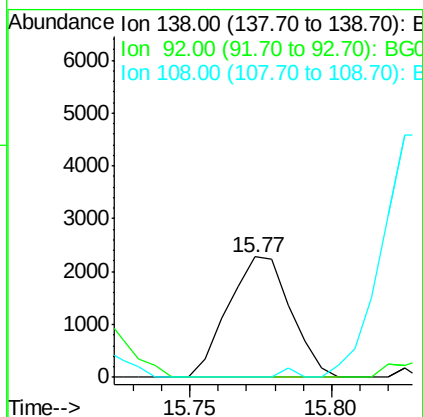
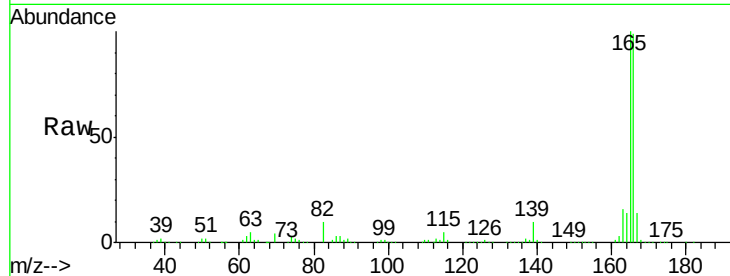




#61
 4-Nitroaniline
 Concen: 2.64 ng/ul
 RT: 15.77 min Scan# 2201
 Delta R.T. -0.02 min
 Lab File: BG020155.D
 Acq: 14 Dec 2015 14:58

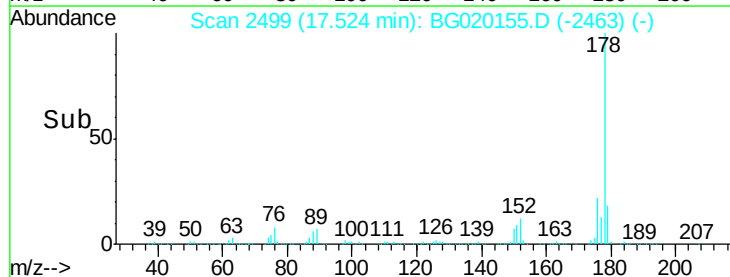
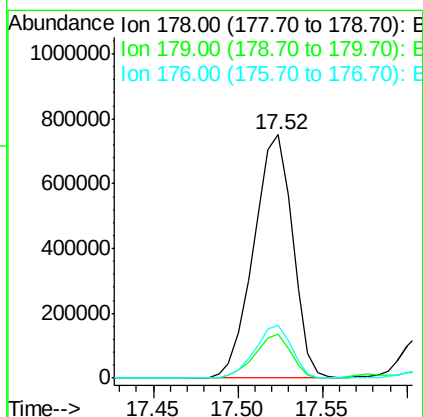
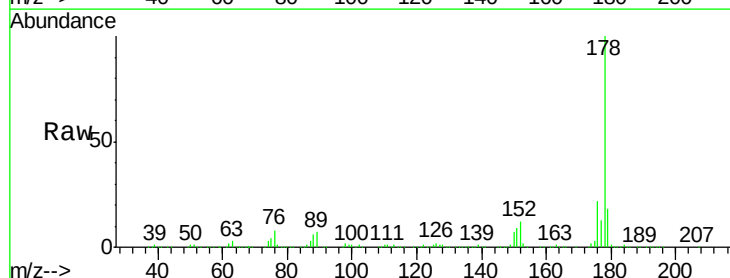
Instrument :
 BNA_G
 ClientSampleId :
 D9N28

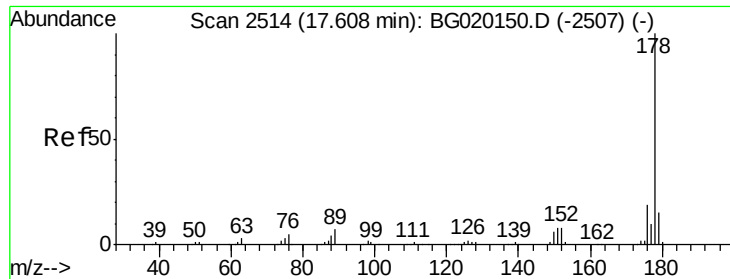
Tgt Ion:138 Resp: 3504
 Ion Ratio Lower Upper
 138 100
 92 0.0 45.2 67.8#
 108 0.0 75.4 113.0#



#70
 Phenanthrene
 Concen: 120.98 ng/ul
 RT: 17.52 min Scan# 2499
 Delta R.T. 0.01 min
 Lab File: BG020155.D
 Acq: 14 Dec 2015 14:58

Tgt Ion:178 Resp: 1200054
 Ion Ratio Lower Upper
 178 100
 179 18.0 12.9 19.3
 176 21.8 15.3 22.9





#72

Anthracene

Concen: 18.21 ng/ul

RT: 17.61 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

Instrument :

BNA_G

ClientSampleId :

D9N28

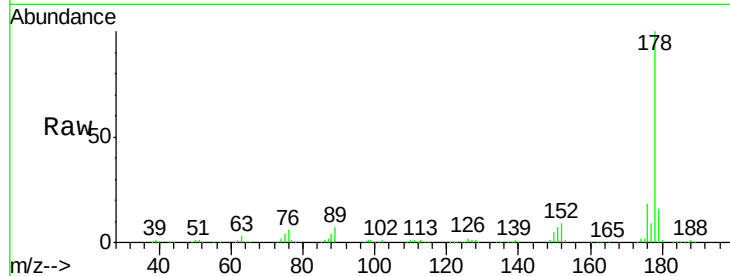
Tgt Ion:178 Resp: 183158

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

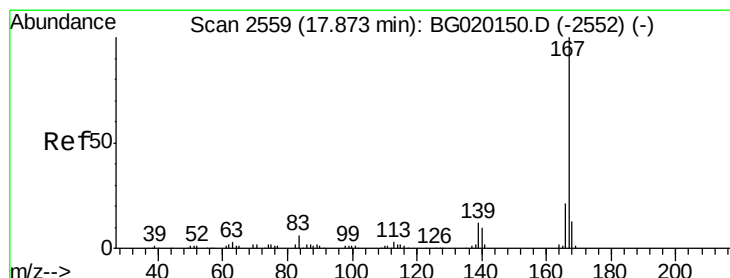
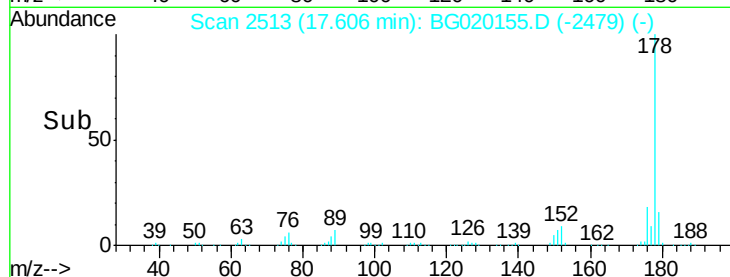
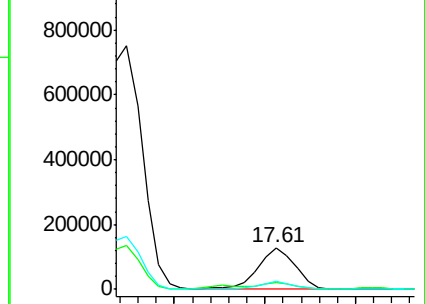
176 18.5 14.3 21.5



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: 12.70 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

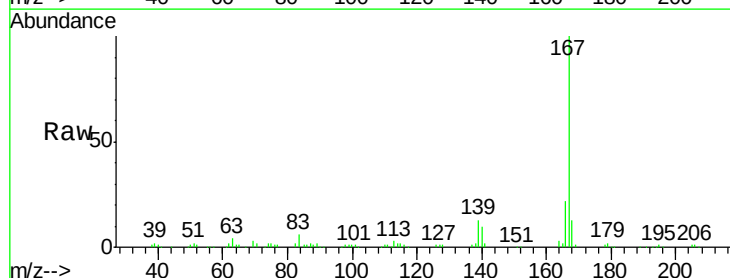
Tgt Ion:167 Resp: 107329

Ion Ratio Lower Upper

167 100

166 22.3 17.0 25.6

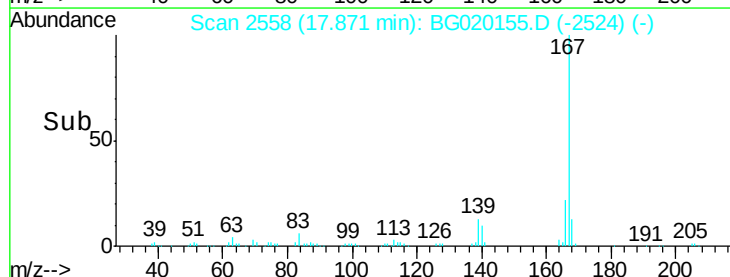
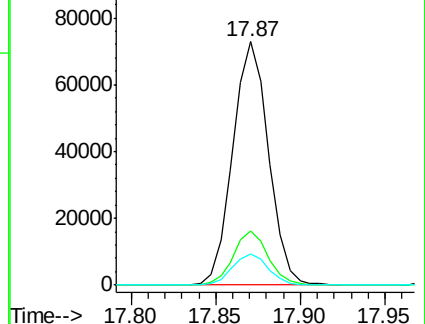
139 12.5 10.1 15.1

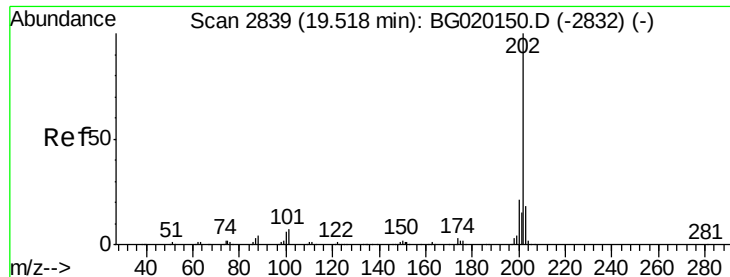


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

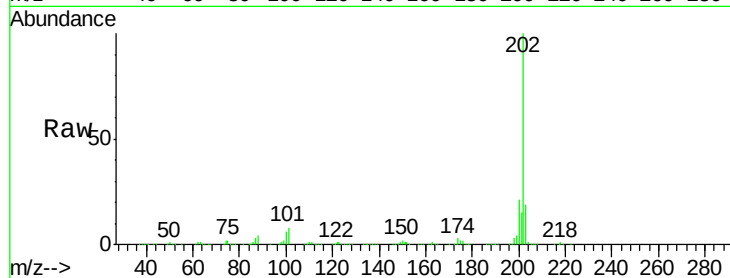




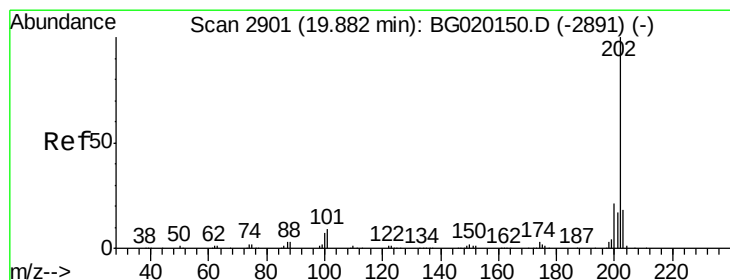
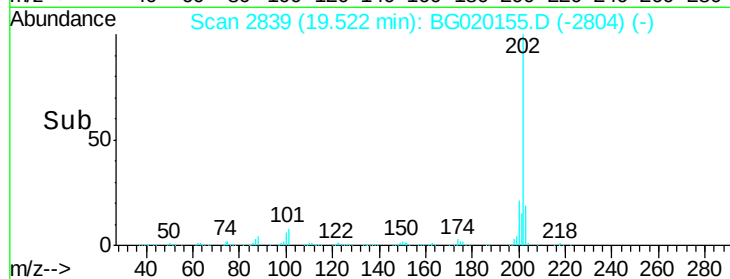
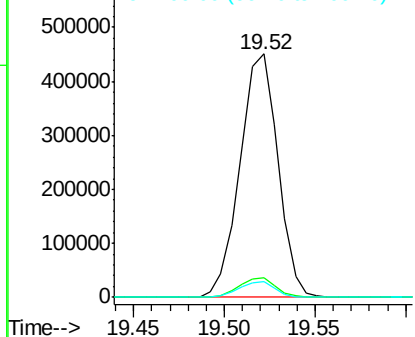
#77
Fluoranthene
 Concen: 56.53 ng/ul
 RT: 19.52 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: BG020155.D
 Acq: 14 Dec 2015 14:58

Instrument :
 BNA_G
 ClientSampleId :
 D9N28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	6.2	9.4
100	6.3	5.1	7.7

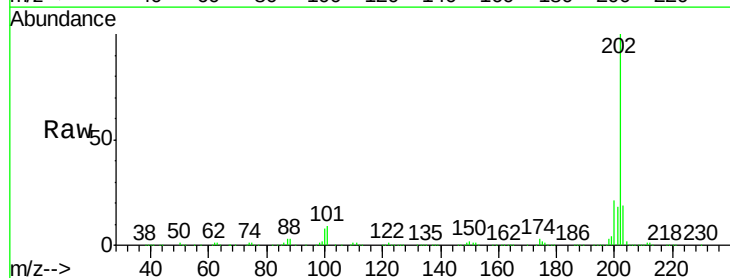


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

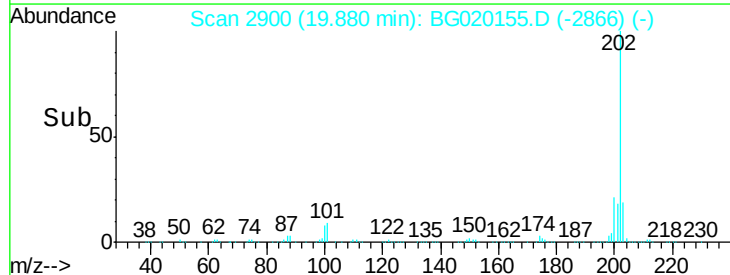
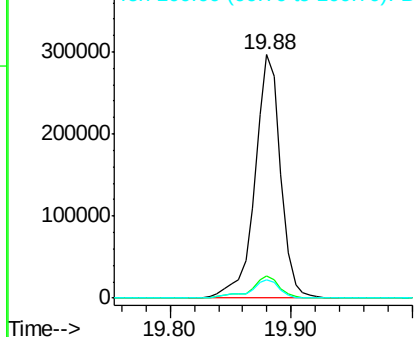


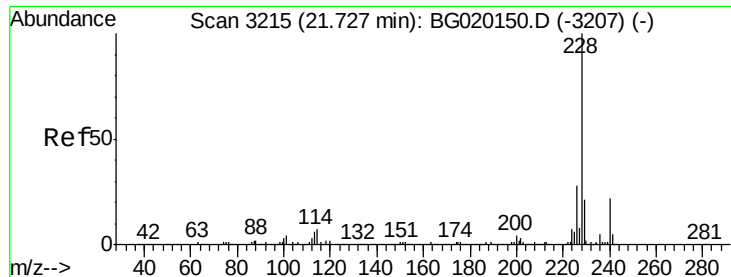
#80
Pyrene
 Concen: 35.43 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG020155.D
 Acq: 14 Dec 2015 14:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.0	10.4
100	7.8	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: 7.97 ng/ul

RT: 21.72 min Scan# 3214

Delta R.T. -0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

Instrument :

BNA_G

ClientSampleId :

D9N28

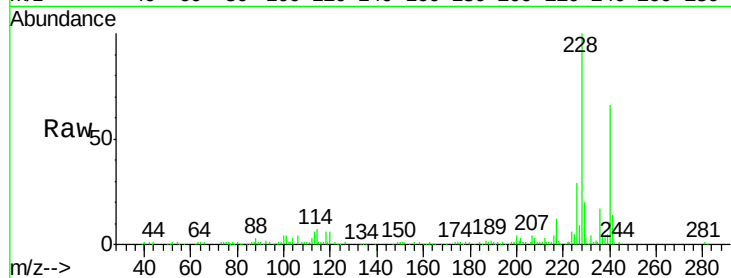
Tgt Ion:228 Resp: 94761

Ion Ratio Lower Upper

228 100

229 20.3 15.8 23.8

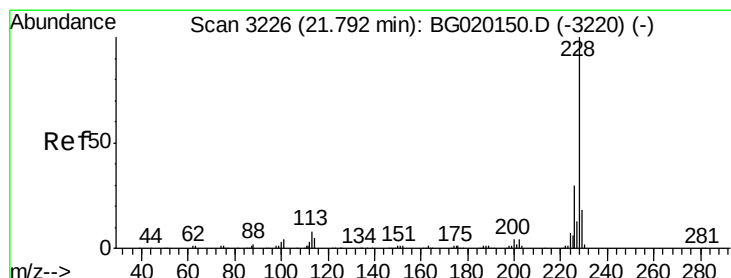
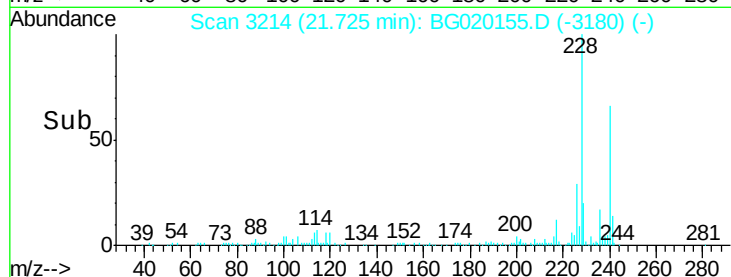
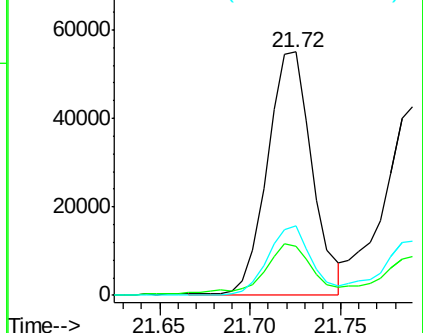
226 28.7 21.8 32.6



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: 7.09 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

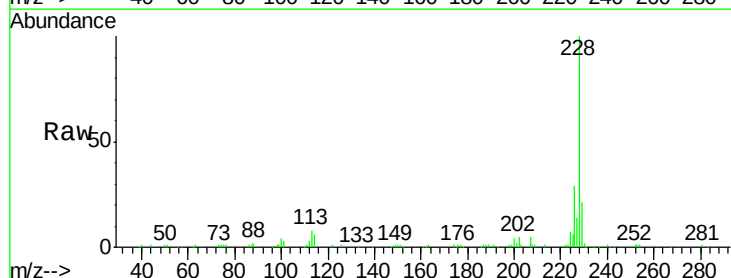
Tgt Ion:228 Resp: 79407

Ion Ratio Lower Upper

228 100

226 28.6 23.9 35.9

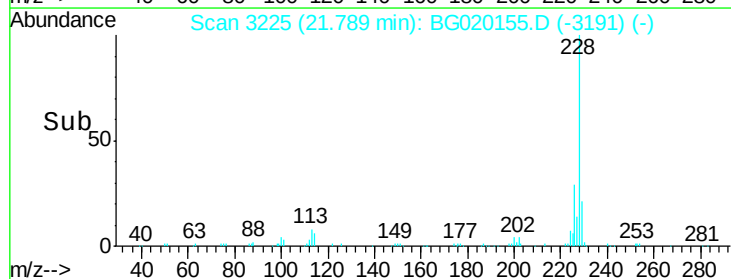
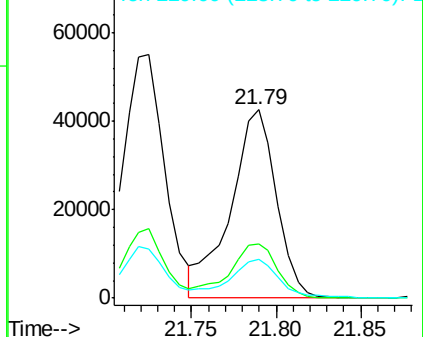
229 20.6 15.6 23.4

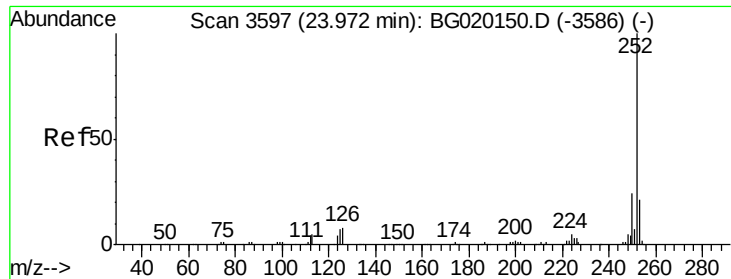


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 3.47 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. -0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

Instrument :

BNA_G

ClientSampleId :

D9N28

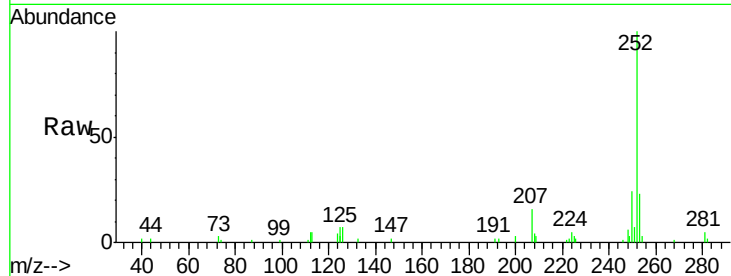
Tgt Ion:252 Resp: 40105

Ion Ratio Lower Upper

252 100

253 23.5 16.7 25.1

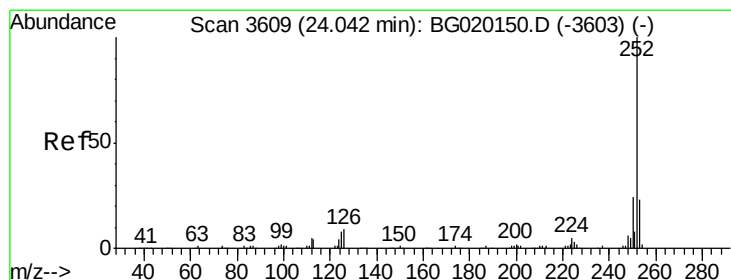
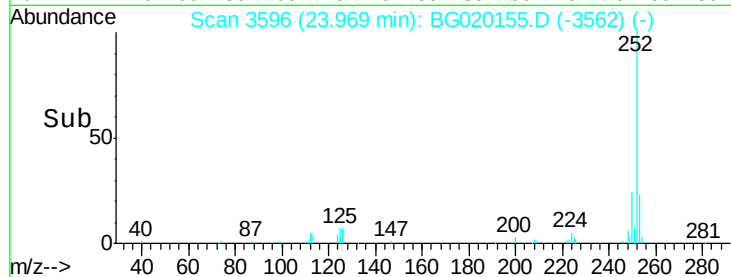
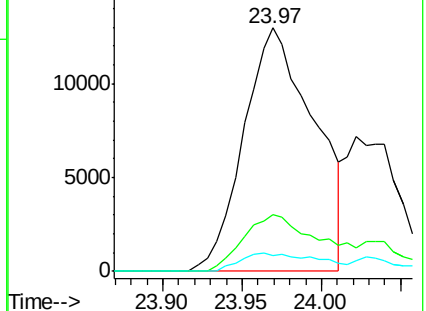
125 6.7 6.2 9.2



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: 3.61 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. -0.07 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

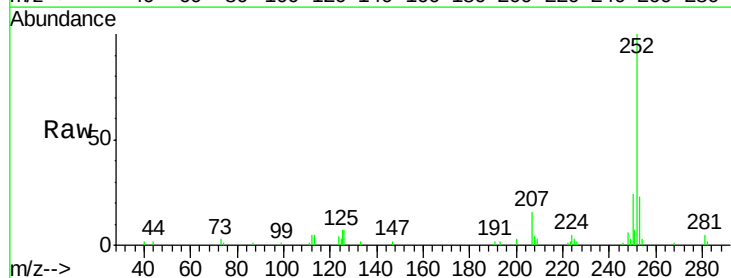
Tgt Ion:252 Resp: 40105

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

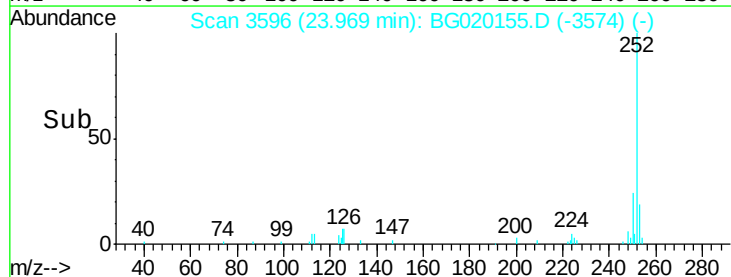
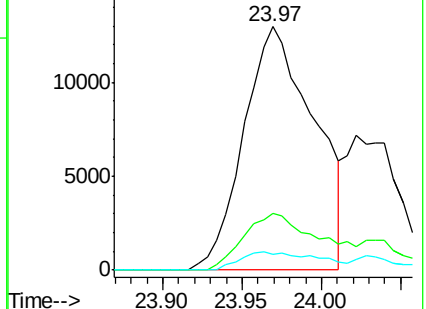
125 6.7 5.8 8.6

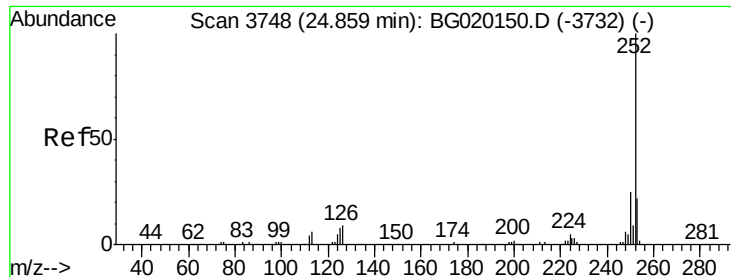


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 2.18 ng/ul

RT: 24.86 min Scan# 3747

Delta R.T. -0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

Instrument :

BNA_G

ClientSampleId :

D9N28

Tgt Ion:252 Resp: 23871

Ion Ratio Lower Upper

252 100

253 19.5 17.0 25.4

125 7.2 6.2 9.4

