

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
 Data File : BG020616.D
 Acq On : 30 Dec 2015 19:50
 Operator : UM/SJ
 Sample : G4802-18DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D93DL

Quant Time: Dec 31 01:10:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 31 01:03:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	16972	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	74518	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	55981	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	149467	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	182822	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	175624	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	7.22	99	4581	3.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	3328	3.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	4187	3.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	4538	3.69	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	2189	3.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	2458	3.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	4584	3.61	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	5419	3.60	ng/ul	0.00
44) Dimethylphthalate-d6	14.09	166	19532	4.26	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	21911	4.21	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	911	1.27	ng/ul	0.02
58) Fluorene-d10	15.68	176	18579	4.47	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	1735	1.91	ng/ul	0.00
71) Anthracene-d10	17.54	188	30965	4.45	ng/ul	0.00
79) Pyrene-d10	19.82	212	37026	4.52	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	37242	4.25	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.25	94	5631	3.65	ng/ul#	91
11) 2-Methylphenol	8.50	108	1699	1.43	ng/ul	88
16) 4-Methylphenol	8.83	108	5805	4.41	ng/ul#	79
28) Naphthalene	10.92	128	123556	31.31	ng/ul	98
30) 4-Chloroaniline	10.92	127	16215	10.47	ng/ul#	1
34) 2-Methylnaphthalene	12.52	142	30142	10.21	ng/ul	98
35) 1-Methylnaphthalene	12.75	142	18510	6.49	ng/ul	100
41) 1,1'-Biphenyl	13.53	154	6653	1.58	ng/ul	93
48) Acenaphthylene	14.42	152	29401	5.30	ng/ul	97
50) Acenaphthene	14.76	153	4888	1.30	ng/ul	90
54) Dibenzofuran	15.09	168	26240	4.63	ng/ul	93
59) Fluorene	15.74	166	29990	6.58	ng/ul	98
70) Phenanthrene	17.48	178	170279	20.96	ng/ul	98
72) Anthracene	17.58	178	58885	7.09	ng/ul	97
75) Carbazole	17.85	167	15291	2.18	ng/ul	98
77) Fluoranthene	19.49	202	121872	12.28	ng/ul	99
80) Pyrene	19.85	202	108762	10.27	ng/ul	100
83) Benzo(a)anthracene	21.69	228	55465	5.19	ng/ul	98
85) Chrysene	21.76	228	44260	4.40	ng/ul	98
88) Benzo(b)fluoranthene	23.93	252	45675	4.38	ng/ul#	99
89) Benzo(k)fluoranthene	23.93	252	45675	4.57	ng/ul	98
91) Benzo(a)pyrene	24.81	252	40607	4.05	ng/ul	98
94) Benzo(g,h,i)perylene	29.84	276	13176	1.34	ng/ul#	96

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
G9D93DL

Quant Time: Dec 31 01:10:10 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 01:03:28 2015
Response via : Initial Calibration

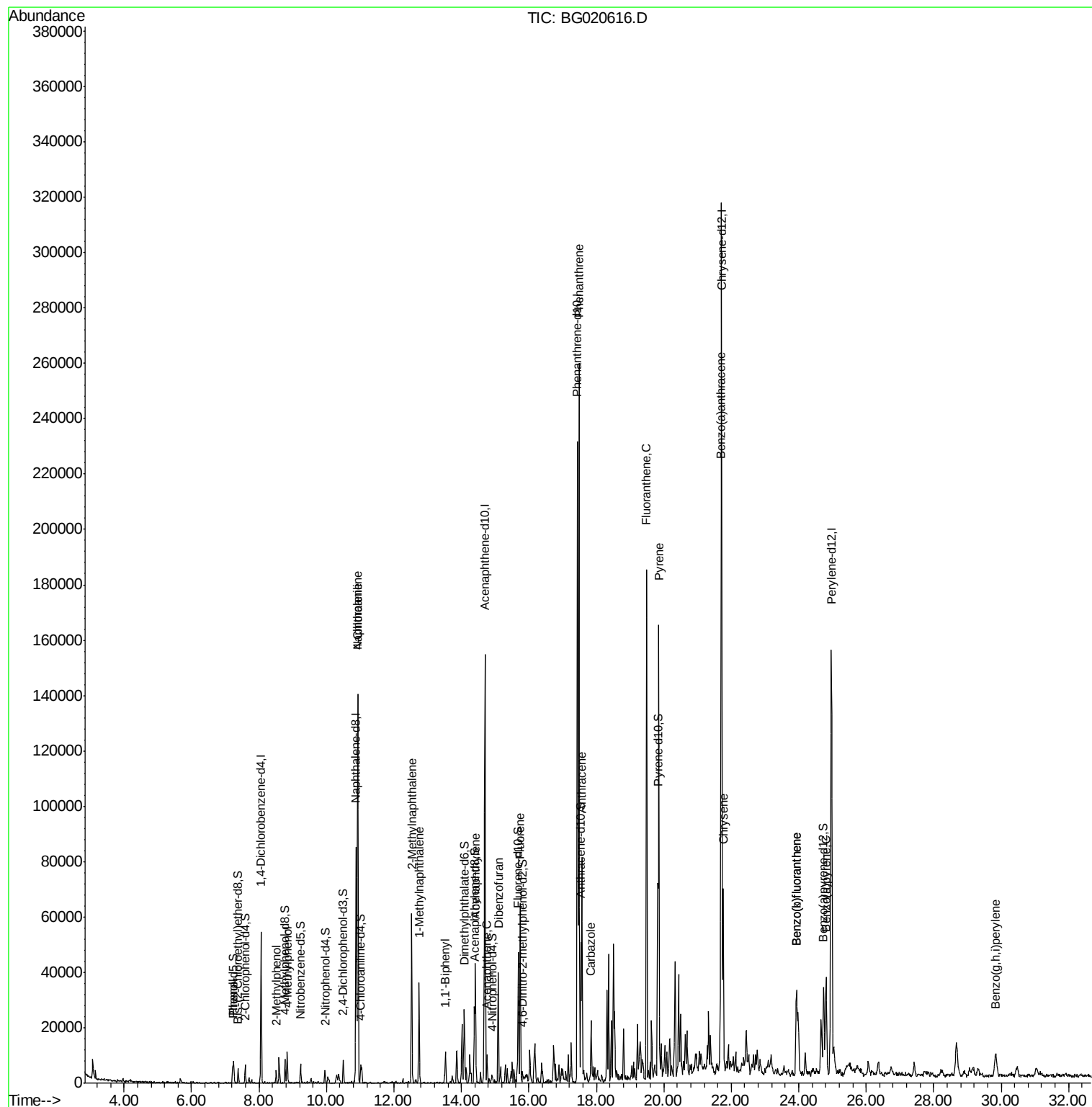
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

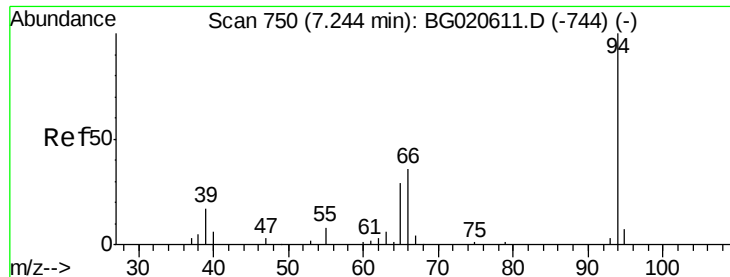
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
G9D93DL

Quant Time: Dec 31 01:10:10 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 01:03:28 2015
Response via : Initial Calibration





#6

Phenol

Concen: 3.65 ng/ul

RT: 7.25 min Scan# 750

Delta R.T. 0.00 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

Instrument :

BNA_G

ClientSampleId :

G9D93DL

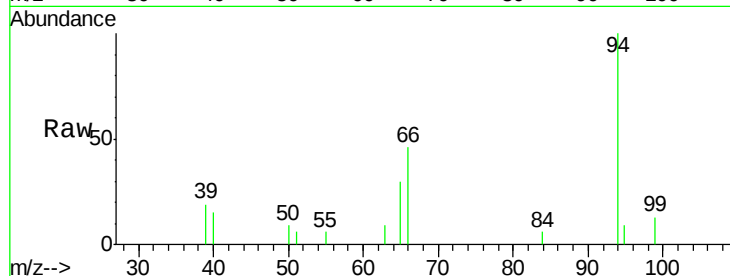
Tgt Ion: 94 Resp: 5631

Ion Ratio Lower Upper

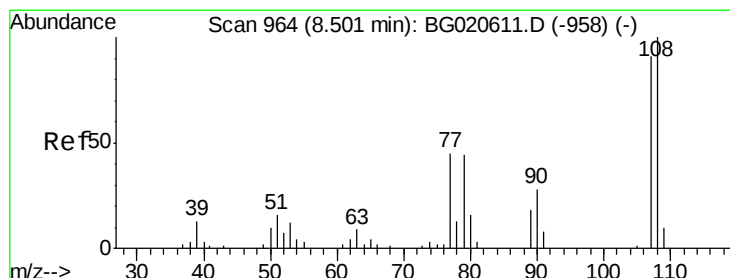
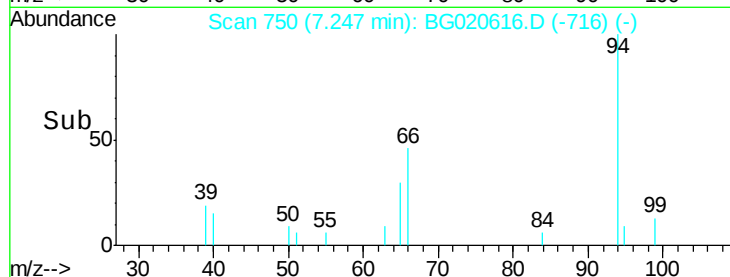
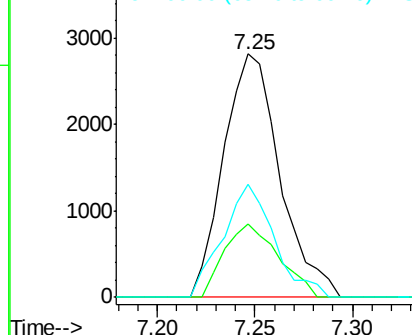
94 100

65 30.1 23.0 34.6

66 46.3 30.4 45.6#



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



#11

2-Methylphenol

Concen: 1.43 ng/ul

RT: 8.50 min Scan# 964

Delta R.T. 0.00 min

Lab File: BG020616.D

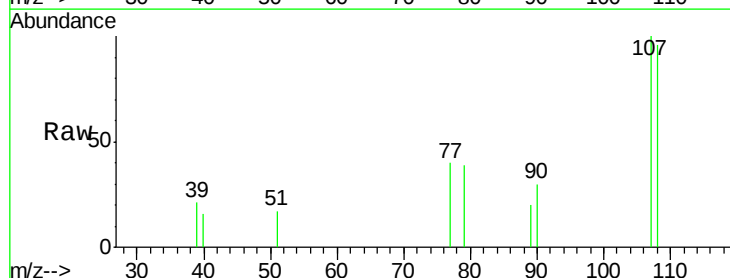
Acq: 30 Dec 2015 19:50

Tgt Ion: 108 Resp: 1699

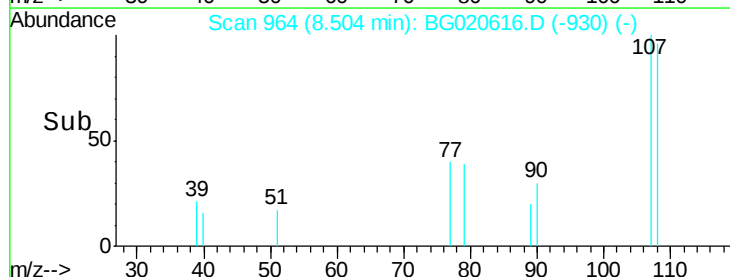
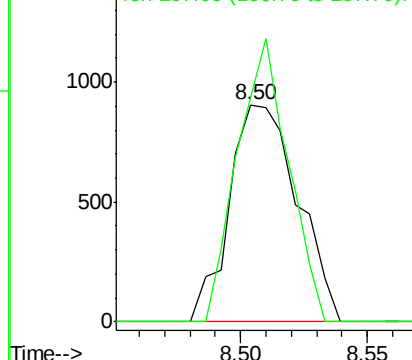
Ion Ratio Lower Upper

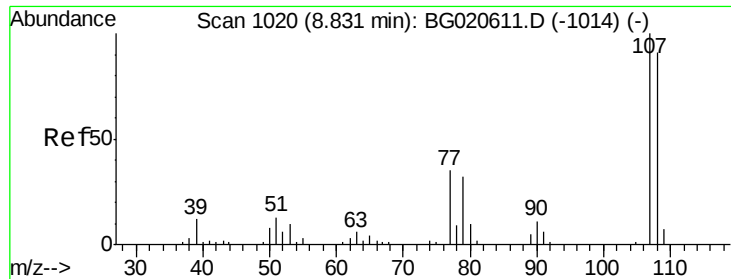
108 100

107 103.8 74.1 111.1



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

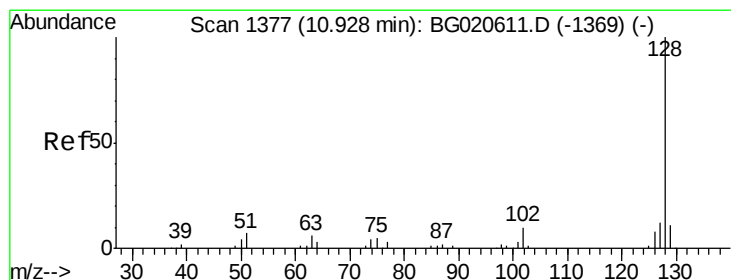
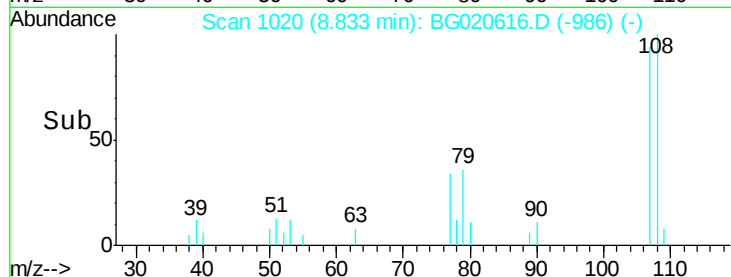
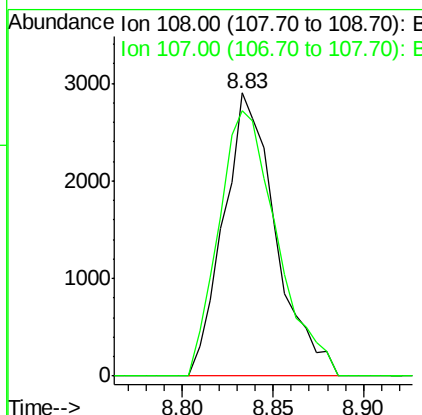
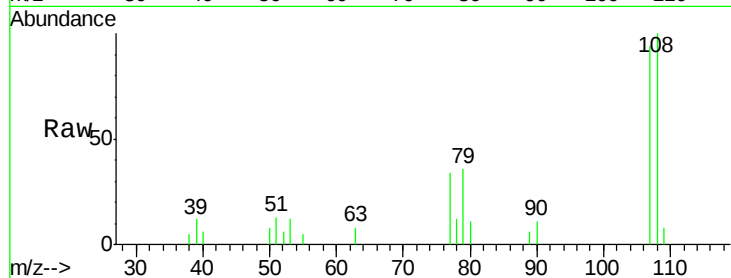




#16
4-Methylphenol
Concen: 4.41 ng/ul
RT: 8.83 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BG020616.D
Acq: 30 Dec 2015 19:50

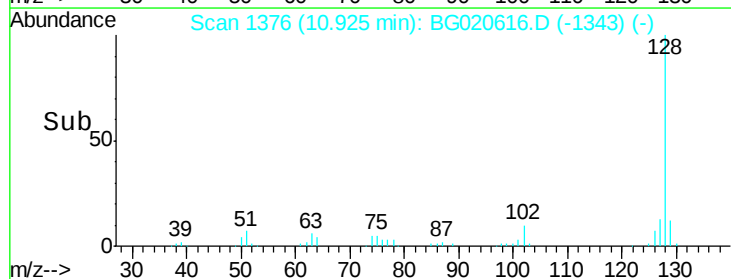
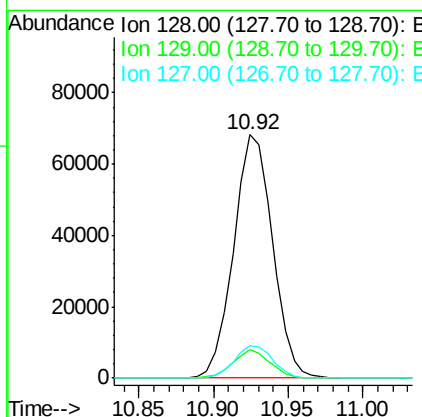
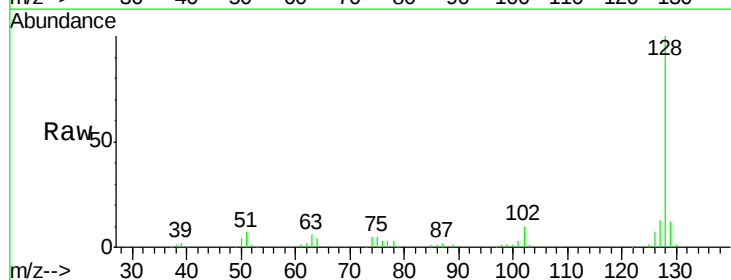
Instrument :
BNA_G
ClientSampleId :
G9D93DL

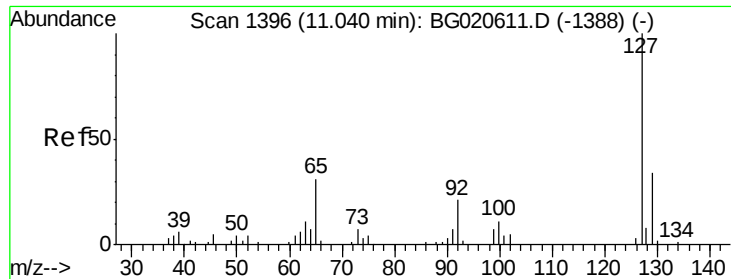
Tgt Ion:108 Resp: 5805
Ion Ratio Lower Upper
108 100
107 93.6 93.6 140.4#



#28
Naphthalene
Concen: 31.31 ng/ul
RT: 10.92 min Scan# 1376
Delta R.T. -0.00 min
Lab File: BG020616.D
Acq: 30 Dec 2015 19:50

Tgt Ion:128 Resp: 123556
Ion Ratio Lower Upper
128 100
129 11.7 8.3 12.5
127 13.4 10.8 16.2

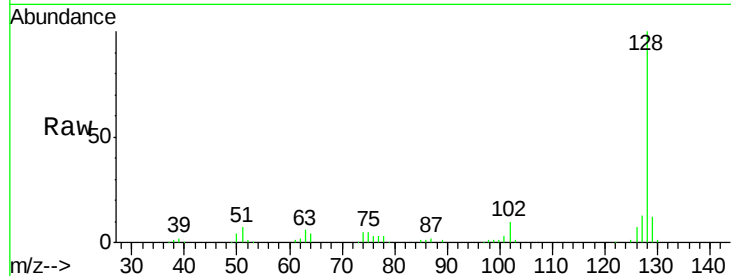




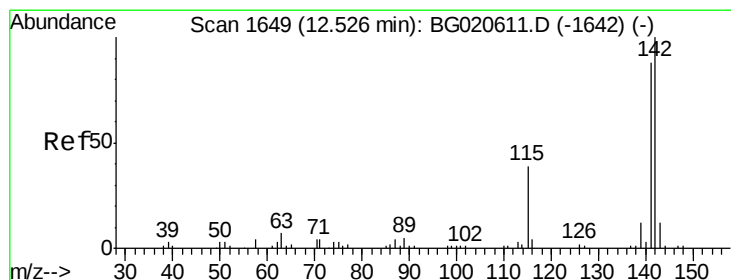
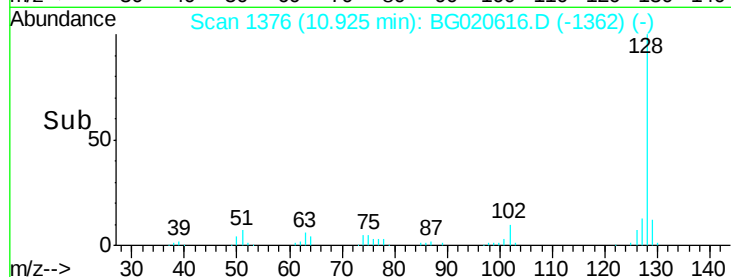
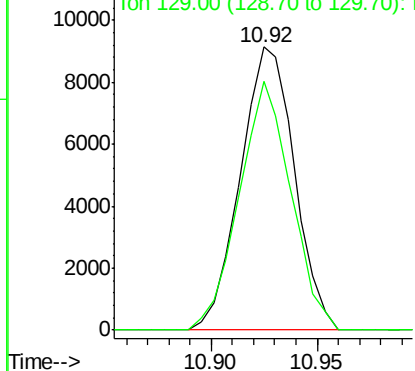
#30
4-Chloroaniline
Concen: 10.47 ng/ul
RT: 10.92 min Scan# 1376
Delta R.T. -0.12 min
Lab File: BG020616.D
Acq: 30 Dec 2015 19:50

Instrument :
BNA_G
ClientSampleId :
G9D93DL

Tgt Ion:127 Resp: 16215
Ion Ratio Lower Upper
127 100
129 87.8 24.6 37.0#

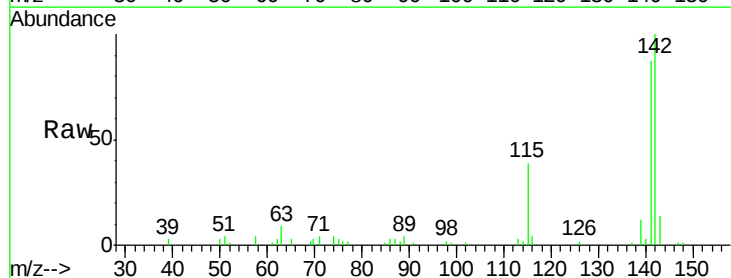


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

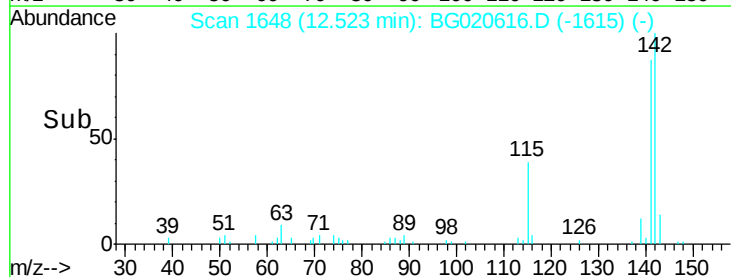
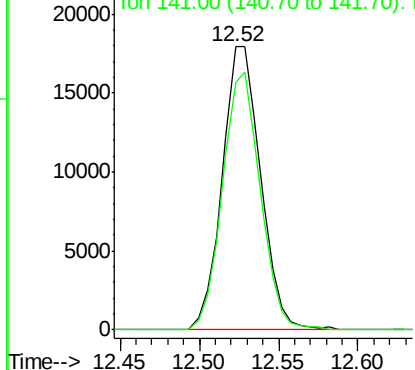


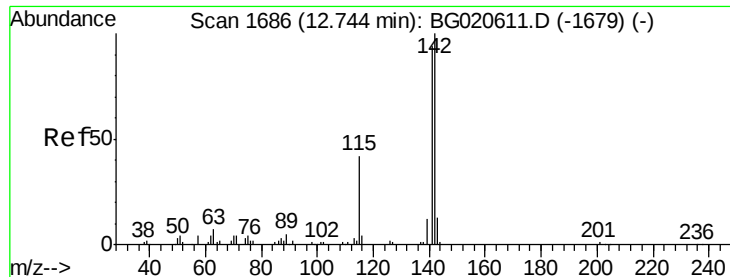
#34
2-Methylnaphthalene
Concen: 10.21 ng/ul
RT: 12.52 min Scan# 1648
Delta R.T. -0.00 min
Lab File: BG020616.D
Acq: 30 Dec 2015 19:50

Tgt Ion:142 Resp: 30142
Ion Ratio Lower Upper
142 100
141 87.2 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

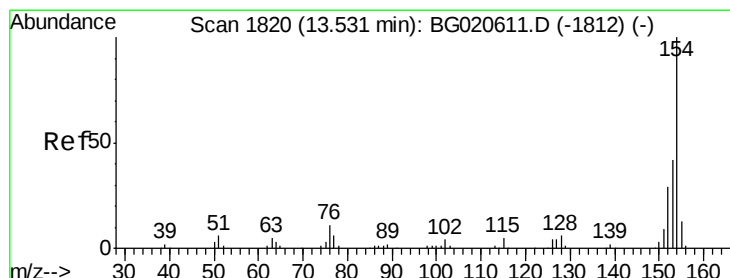
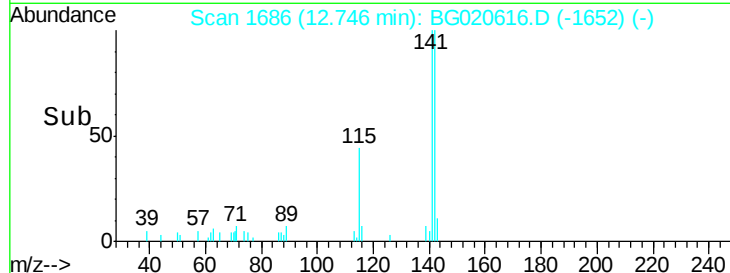
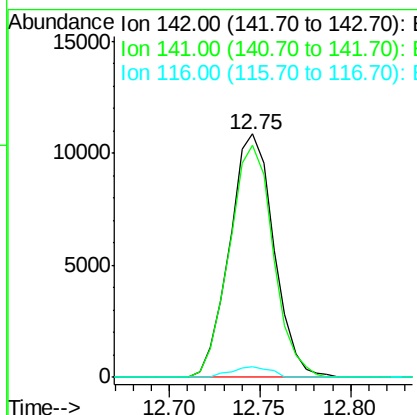
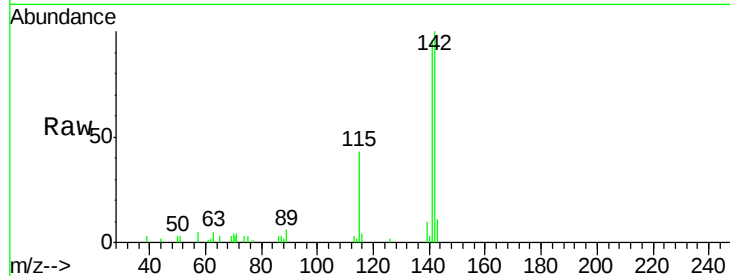




#35
 1-Methylnaphthalene
 Concen: 6.49 ng/ul
 RT: 12.75 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: BG020616.D
 Acq: 30 Dec 2015 19:50

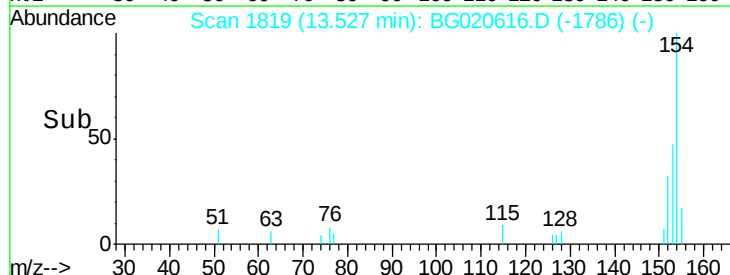
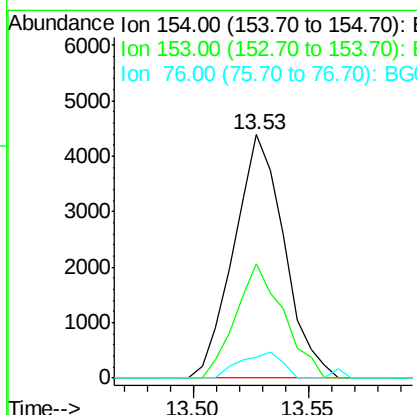
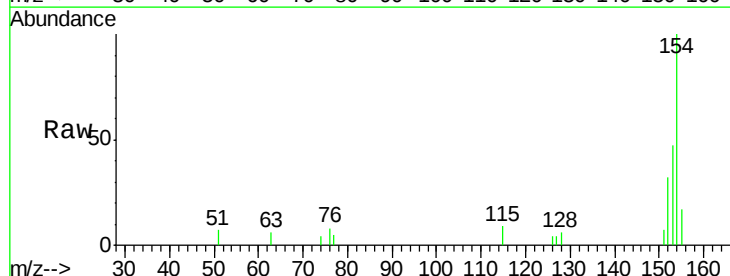
Instrument :
 BNA_G
 ClientSampled :
 G9D93DL

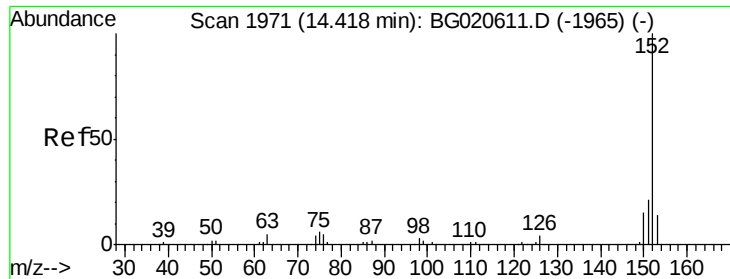
Tgt Ion:142 Resp: 18510
 Ion Ratio Lower Upper
 142 100
 141 95.5 76.6 115.0
 116 4.2 3.6 5.4



#41
 1,1'-Biphenyl
 Concen: 1.58 ng/ul
 RT: 13.53 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: BG020616.D
 Acq: 30 Dec 2015 19:50

Tgt Ion:154 Resp: 6653
 Ion Ratio Lower Upper
 154 100
 153 46.9 34.0 51.0
 76 8.4 8.4 12.6





#48

Acenaphthylene

Concen: 5.30 ng/ul

RT: 14.42 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

Instrument :

BNA_G

ClientSampleId :

G9D93DL

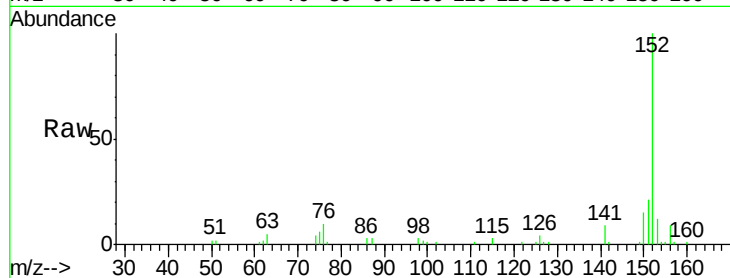
Tgt Ion:152 Resp: 29401

Ion Ratio Lower Upper

152 100

151 21.0 16.1 24.1

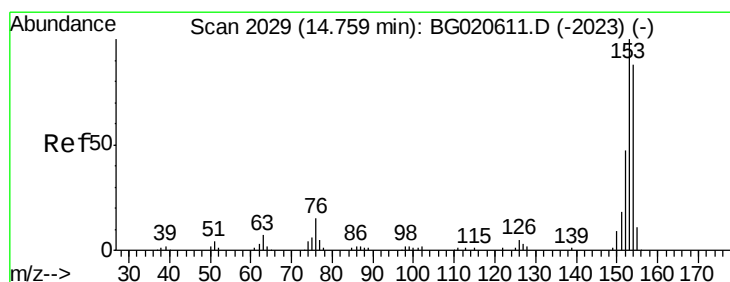
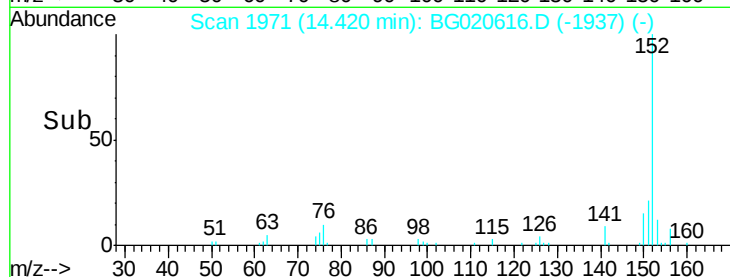
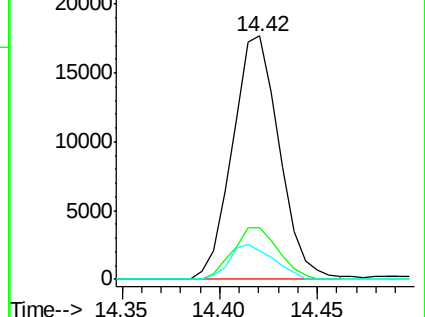
153 11.9 10.8 16.2



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: 1.30 ng/ul

RT: 14.76 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

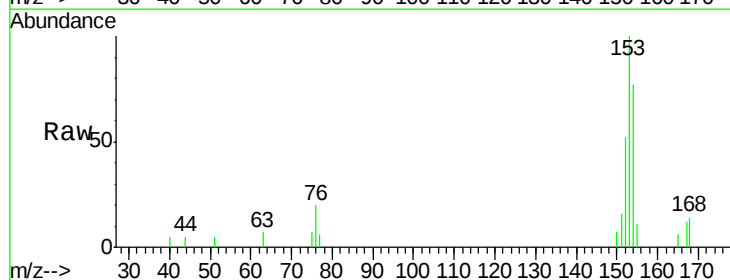
Tgt Ion:153 Resp: 4888

Ion Ratio Lower Upper

153 100

152 52.4 37.9 56.9

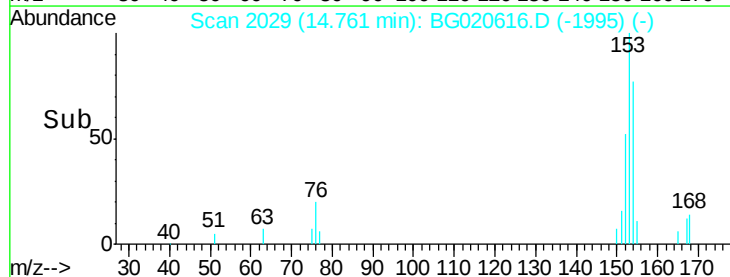
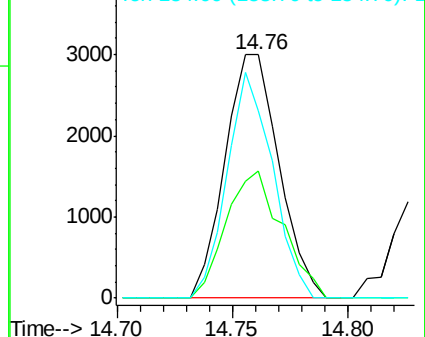
154 76.8 69.8 104.6

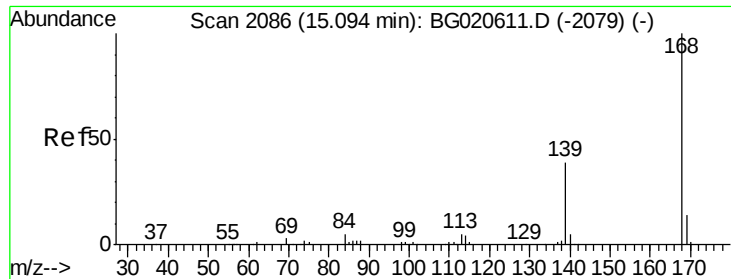


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 4.63 ng/ul

RT: 15.09 min Scan# 2085

Delta R.T. -0.00 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

Instrument :

BNA_G

ClientSampleId :

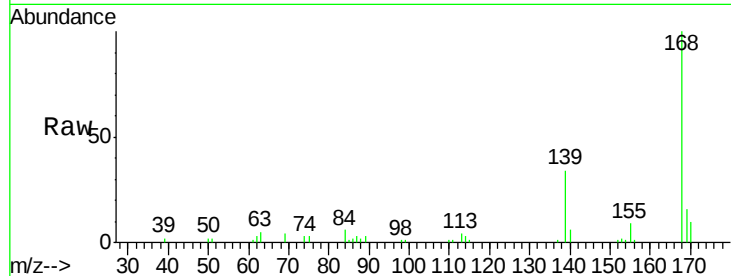
G9D93DL

Tgt Ion:168 Resp: 26240

Ion Ratio Lower Upper

168 100

139 34.5 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.09

20000

15000

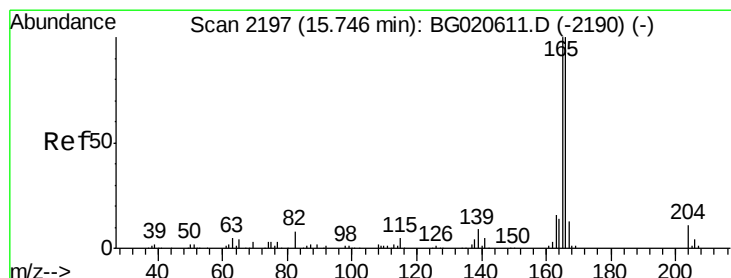
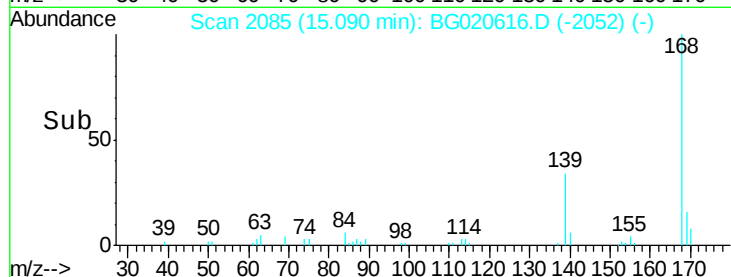
10000

5000

0

Time-->

15.05 15.10 15.15



#59

Fluorene

Concen: 6.58 ng/ul

RT: 15.74 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

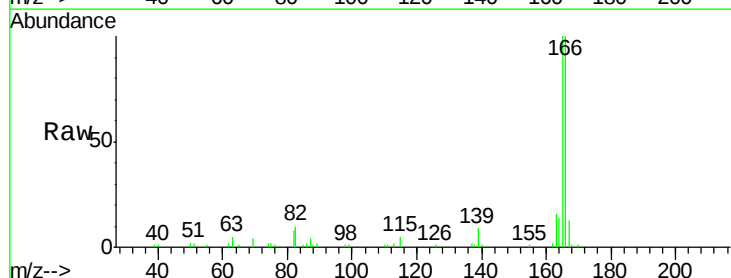
Tgt Ion:166 Resp: 29990

Ion Ratio Lower Upper

166 100

165 100.4 78.4 117.6

167 13.5 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.74

25000

20000

15000

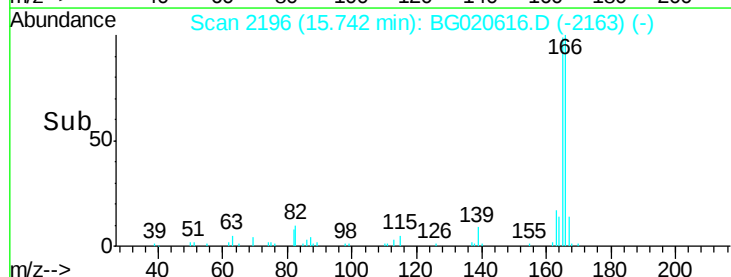
10000

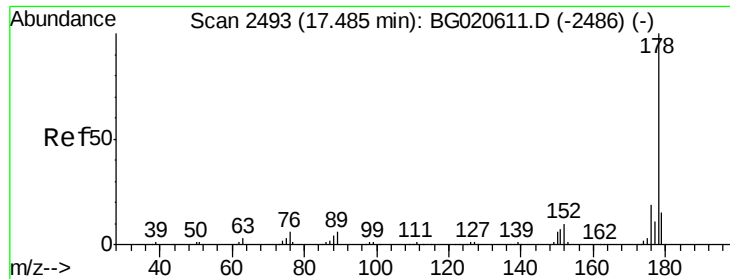
5000

0

Time-->

15.70 15.75 15.80

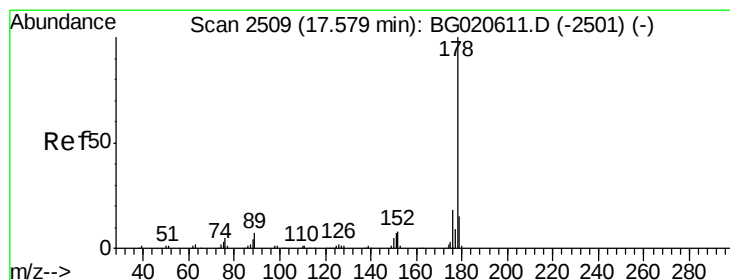
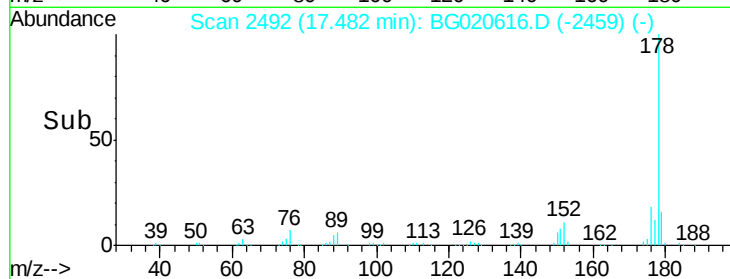
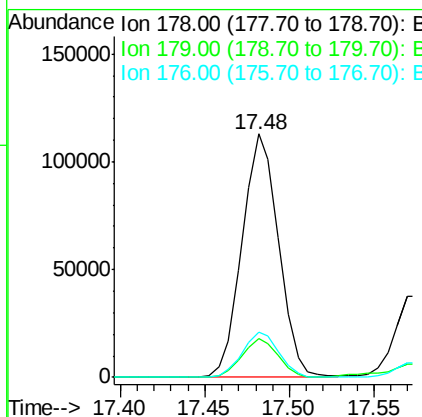
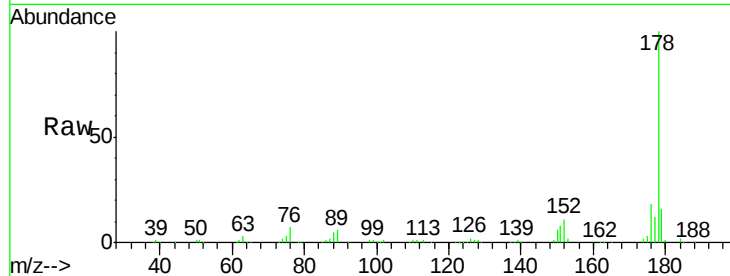




#70
 Phenanthrene
 Concen: 20.96 ng/ul
 RT: 17.48 min Scan# 2492
 Delta R.T. -0.00 min
 Lab File: BG020616.D
 Acq: 30 Dec 2015 19:50

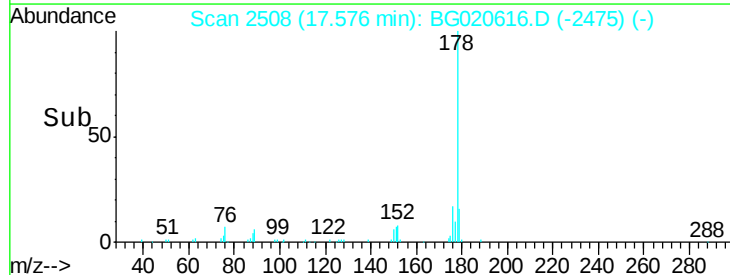
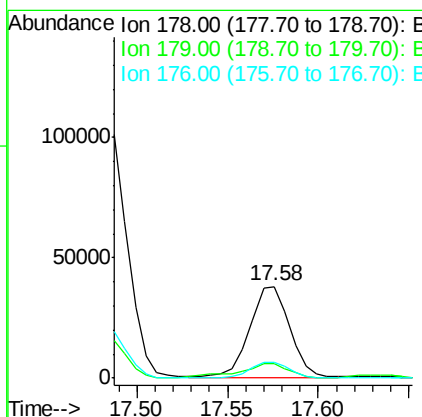
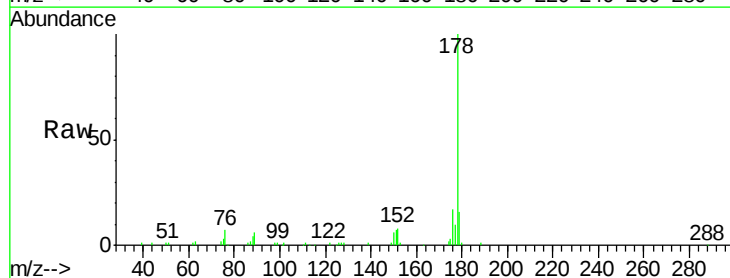
Instrument :
 BNA_G
 ClientSampleId :
 G9D93DL

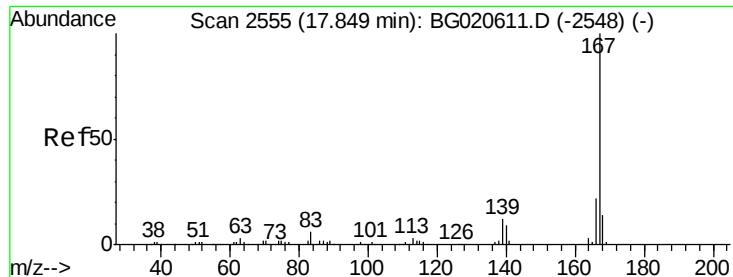
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.3	18.5
176	18.3	15.4	23.0



#72
 Anthracene
 Concen: 7.09 ng/ul
 RT: 17.58 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: BG020616.D
 Acq: 30 Dec 2015 19:50

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	13.4	20.2
176	16.9	15.4	23.0

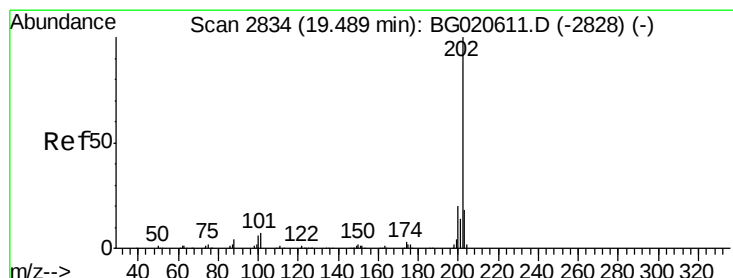
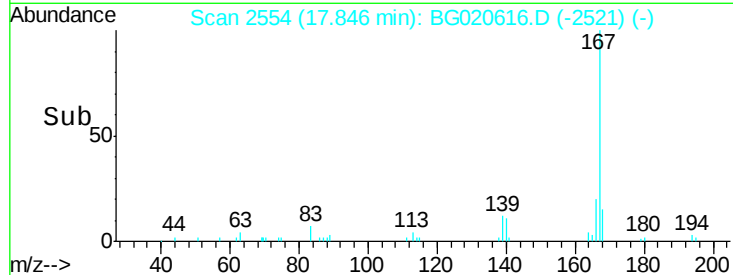
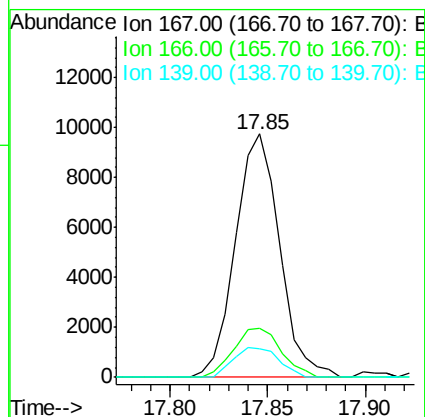
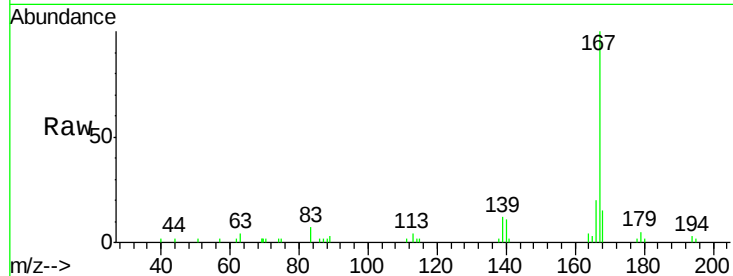




#75
 Carbazole
 Concen: 2.18 ng/ul
 RT: 17.85 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: BG020616.D
 Acq: 30 Dec 2015 19:50

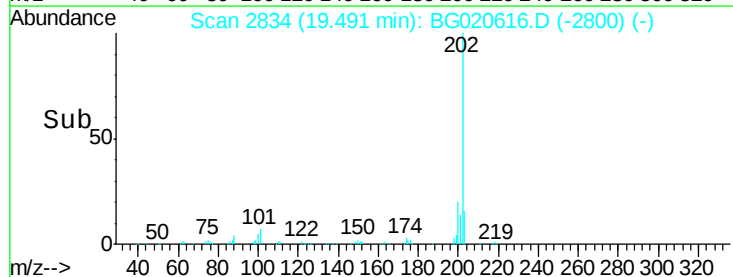
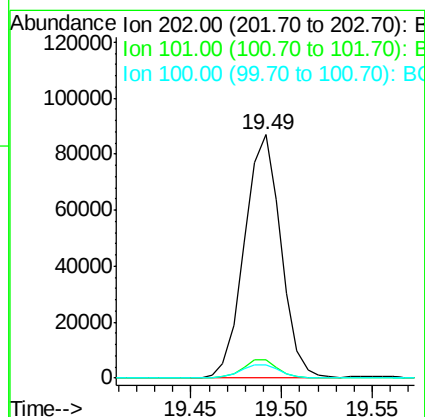
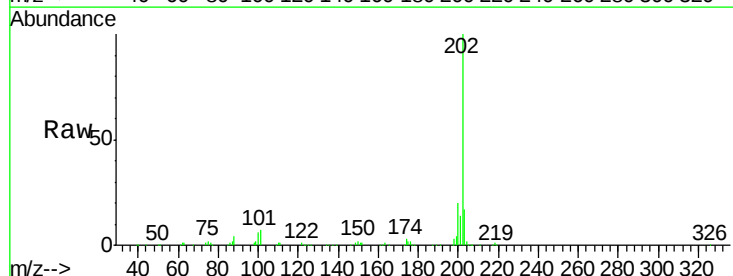
Instrument :
 BNA_G
 ClientSampleId :
 G9D93DL

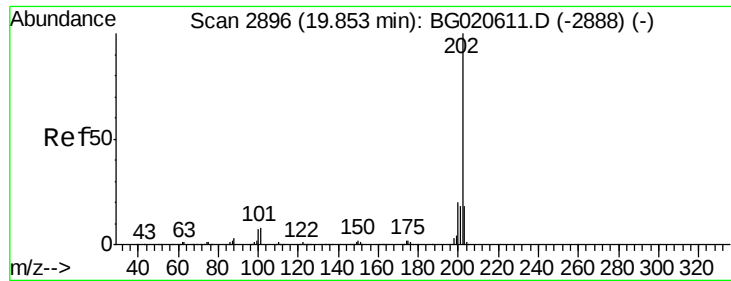
Tgt Ion:167 Resp: 15291
 Ion Ratio Lower Upper
 167 100
 166 20.1 17.0 25.4
 139 11.8 9.1 13.7



#77
 Fluoranthene
 Concen: 12.28 ng/ul
 RT: 19.49 min Scan# 2834
 Delta R.T. 0.00 min
 Lab File: BG020616.D
 Acq: 30 Dec 2015 19:50

Tgt Ion:202 Resp: 121872
 Ion Ratio Lower Upper
 202 100
 101 7.4 6.1 9.1
 100 5.5 4.6 7.0

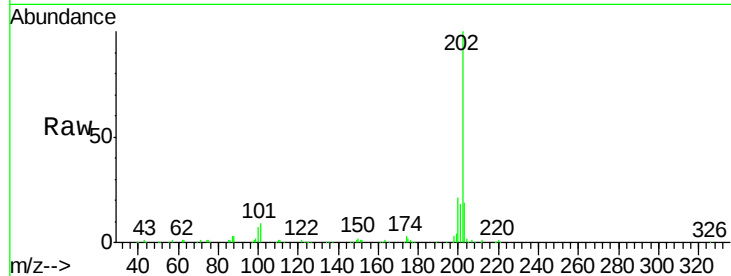




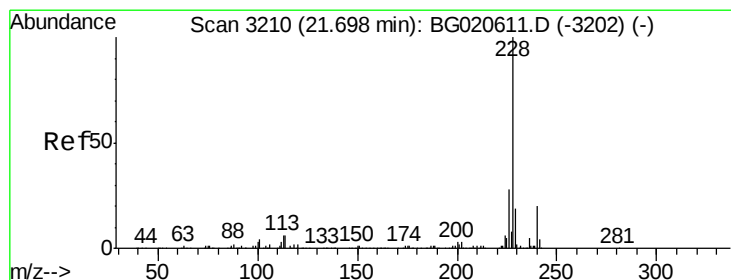
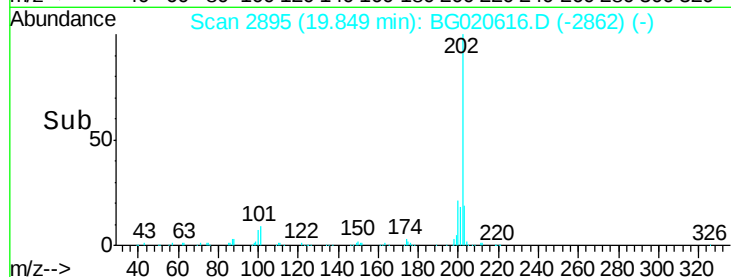
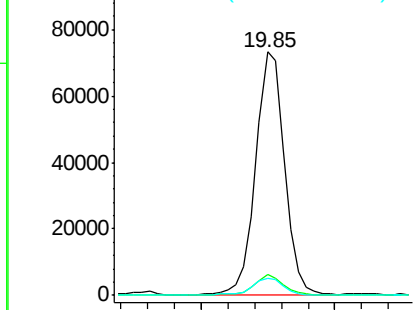
#80
 Pyrene
 Concen: 10.27 ng/ul
 RT: 19.85 min Scan# 2895
 Delta R.T. -0.00 min
 Lab File: BG020616.D
 Acq: 30 Dec 2015 19:50

Instrument :
 BNA_G
 ClientSampleId :
 G9D93DL

Tgt Ion:	202	Resp:	108762
Ion	Ratio	Lower	Upper
202	100		
101	8.7	6.9	10.3
100	7.2	5.6	8.4

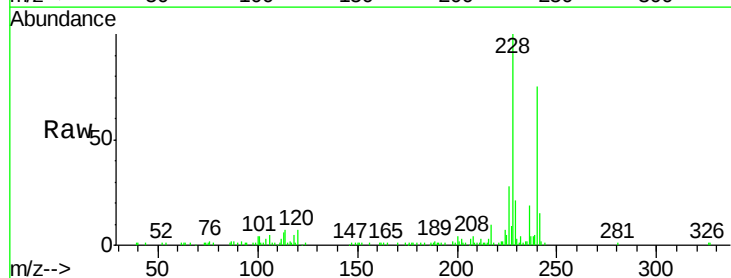


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

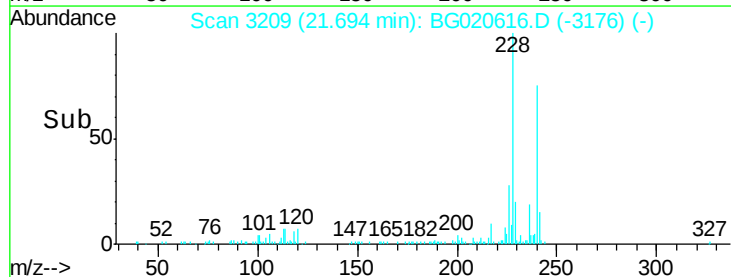
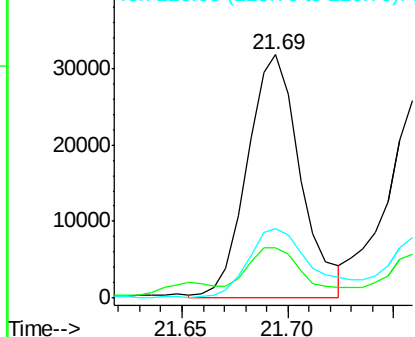


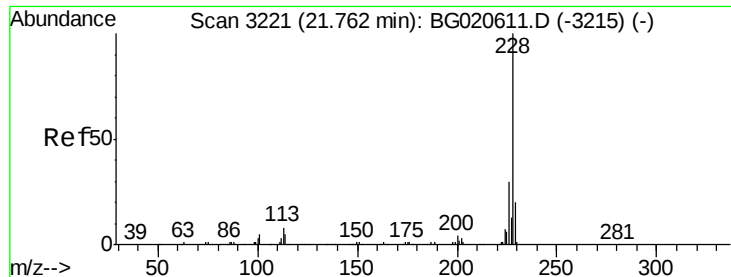
#83
 Benzo(a)anthracene
 Concen: 5.19 ng/ul
 RT: 21.69 min Scan# 3209
 Delta R.T. -0.00 min
 Lab File: BG020616.D
 Acq: 30 Dec 2015 19:50

Tgt Ion:	228	Resp:	55465
Ion	Ratio	Lower	Upper
228	100		
229	20.7	16.0	24.0
226	28.3	21.8	32.8



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: 4.40 ng/ul

RT: 21.76 min Scan# 3220

Delta R.T. -0.00 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

Instrument :

BNA_G

ClientSampleId :

G9D93DL

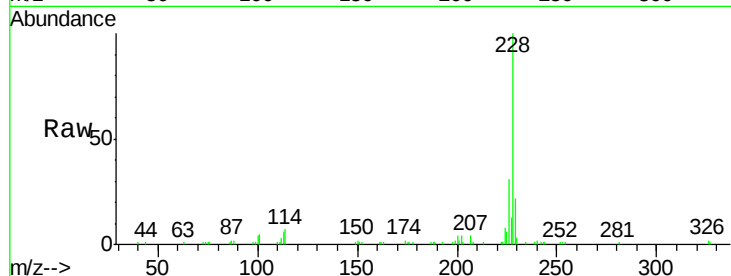
Tgt Ion:228 Resp: 44260

Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

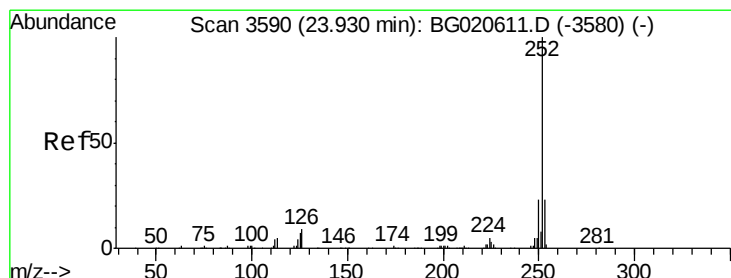
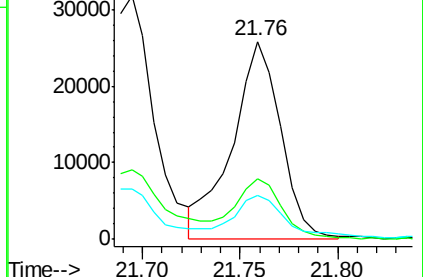
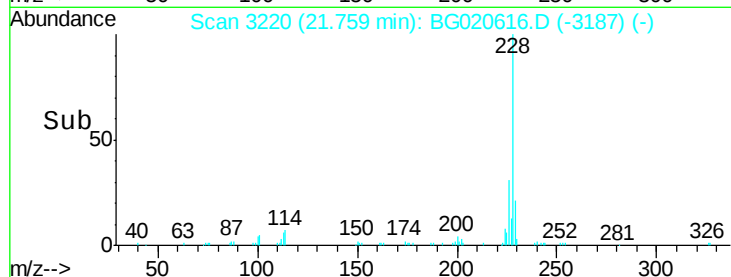
229 22.0 16.0 24.0



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: 4.38 ng/ul

RT: 23.93 min Scan# 3590

Delta R.T. 0.00 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

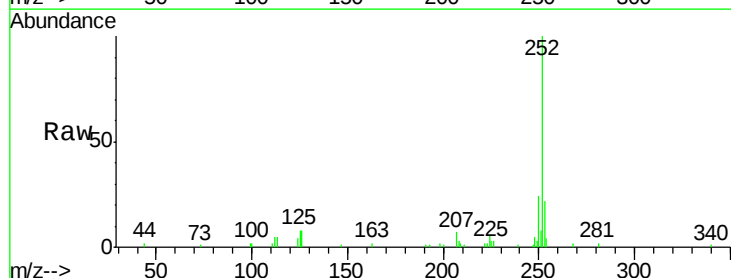
Tgt Ion:252 Resp: 45675

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

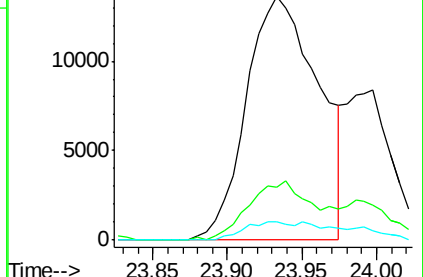
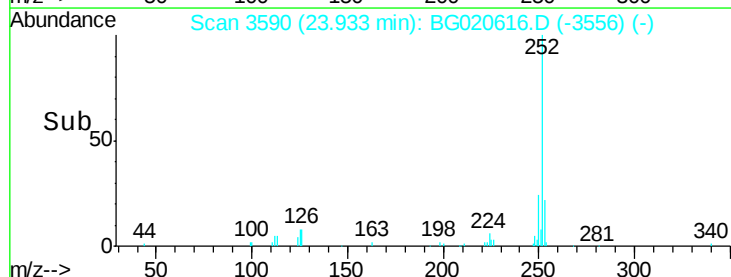
125 7.6 4.9 7.3#

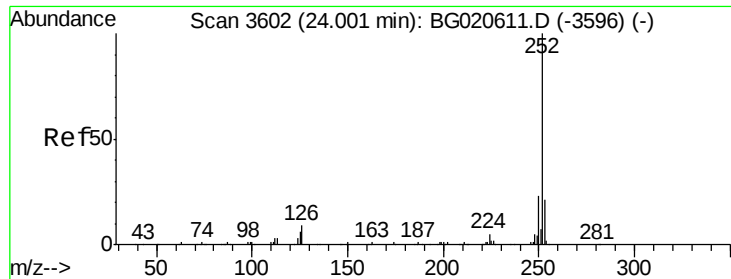


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.57 ng/ul

RT: 23.93 min Scan# 3590

Delta R.T. -0.07 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

Instrument :

BNA_G

ClientSampleId :

G9D93DL

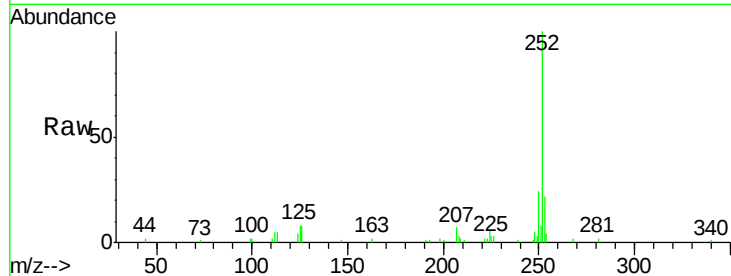
Tgt Ion:252 Resp: 45675

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

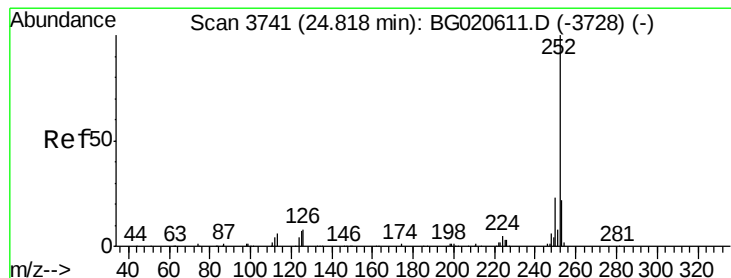
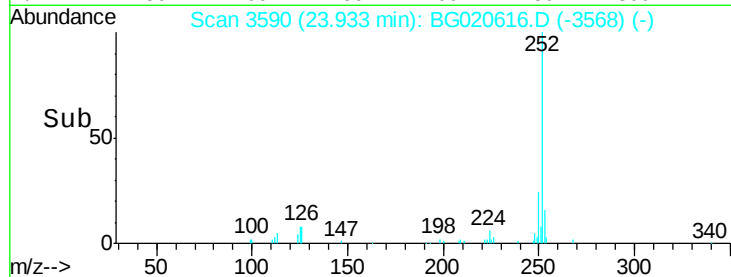
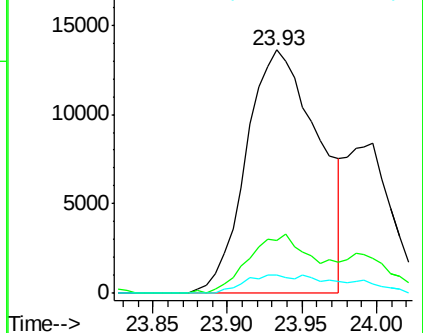
125 7.6 5.4 8.0



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: 4.05 ng/ul

RT: 24.81 min Scan# 3739

Delta R.T. -0.01 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

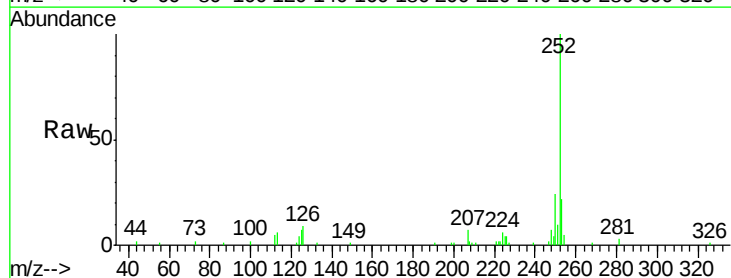
Tgt Ion:252 Resp: 40607

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

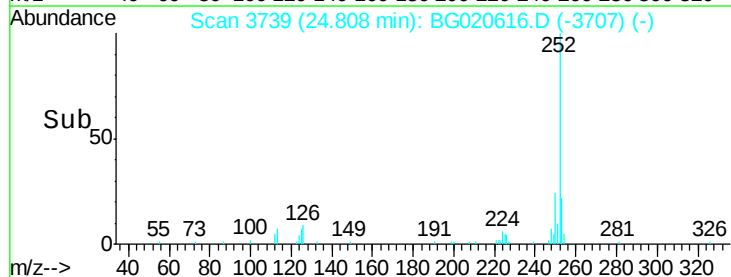
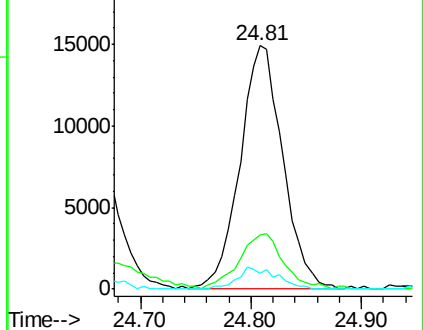
125 6.7 5.8 8.6

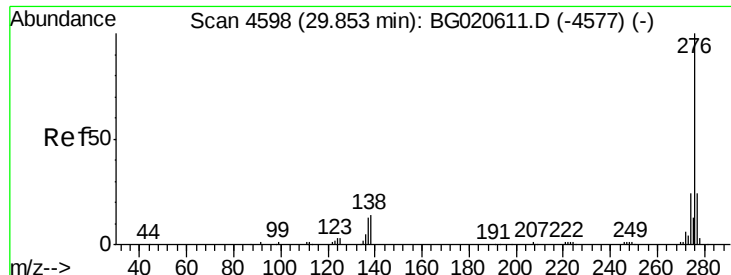


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#94

Benzo(g,h,i)perylene

Concen: 1.34 ng/ul

RT: 29.84 min Scan# 4596

Delta R.T. -0.01 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

Instrument :

BNA_G

ClientSampleId :

G9D93DL

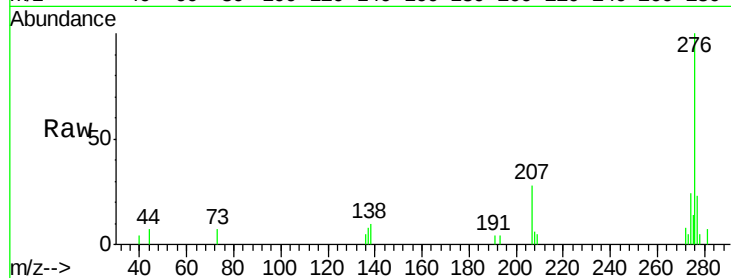
Tgt Ion: 276 Resp: 13176

Ion Ratio Lower Upper

276 100

138 9.8 11.2 16.8#

277 23.4 19.0 28.6



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

