

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
 Data File : BG020400.D
 Acq On : 22 Dec 2015 6:10
 Operator : UM/SJ
 Sample : G4848-04DL 30X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N50DL

Quant Time: Dec 22 07:40:15 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 22 05:02:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	17057	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	74713	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	50653	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	123028	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	157704	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	122247	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	7.25	99	886	0.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	515	0.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	809	0.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	764	0.59	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	369	0.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	202	0.31	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	481	0.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1457	0.99	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	3737	0.91	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	4283	0.90	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	3743	1.01	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.57	188	6232m	1.10	ng/ul	0.00
79) Pyrene-d10	19.85	212	6568	0.89	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	5776	0.95	ng/ul	0.00

Target Compounds

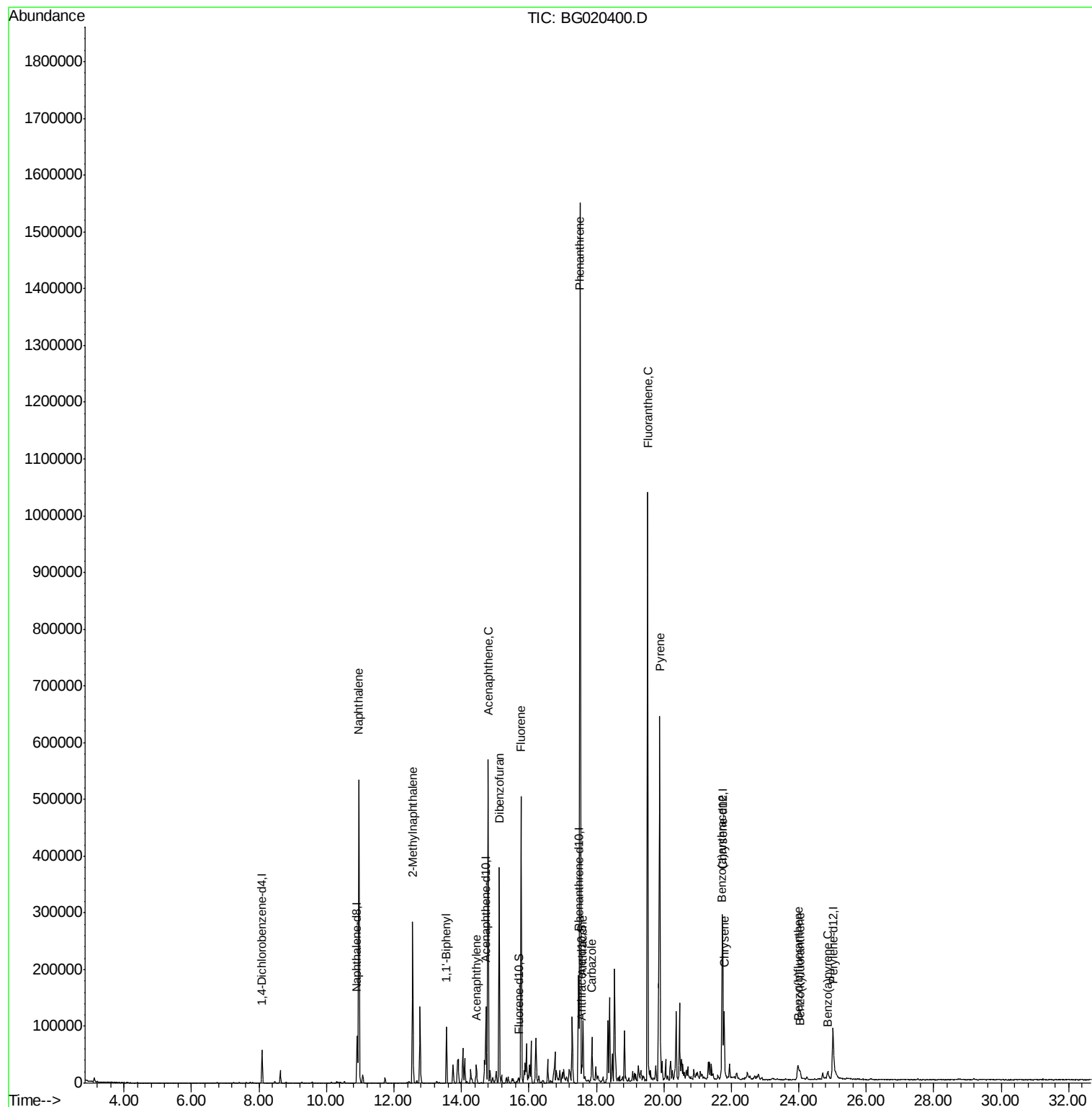
						Ovalue
28) Naphthalene	10.96	128	465499	119.31	ng/ul	97
34) 2-Methylnaphthalene	12.56	142	136388	45.76	ng/ul	98
41) 1,1'-Biphenyl	13.56	154	53511	14.00	ng/ul	95
48) Acenaphthylene	14.44	152	14738	2.91	ng/ul#	95
50) Acenaphthene	14.79	153	241303	70.82	ng/ul	100
54) Dibenzofuran	15.12	168	248893	49.10	ng/ul	98
59) Fluorene	15.77	166	238003	58.47	ng/ul	98
70) Phenanthrene	17.52	178	1044344	155.19	ng/ul	96
72) Anthracene	17.60	178	77303	11.33	ng/ul	99
75) Carbazole	17.87	167	50436	8.79	ng/ul	98
77) Fluoranthene	19.52	202	683293	86.88	ng/ul	99
80) Pyrene	19.88	202	446887	46.82	ng/ul	99
83) Benzo(a)anthracene	21.72	228	107274	11.66	ng/ul	98
85) Chrysene	21.79	228	88668	10.23	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	39609m	5.38	ng/ul	
89) Benzo(k)fluoranthene	24.04	252	20848m	2.95	ng/ul	
91) Benzo(a)pyrene	24.85	252	20754	2.98	ng/ul	97

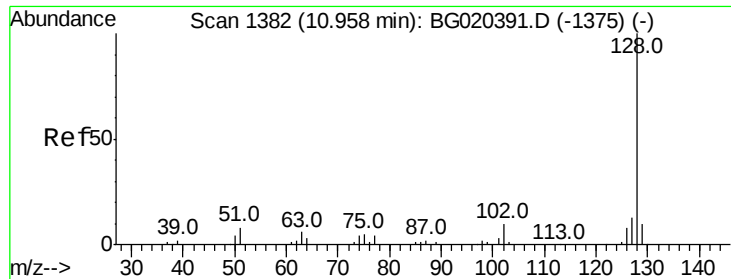
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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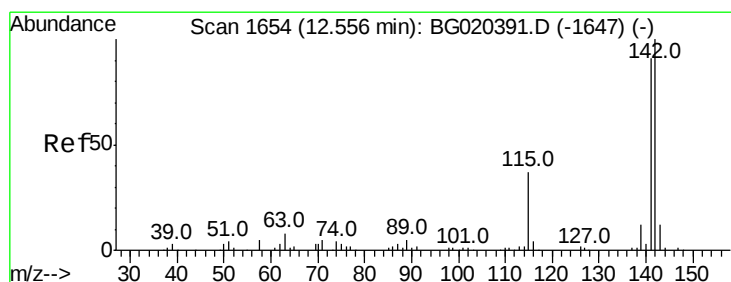
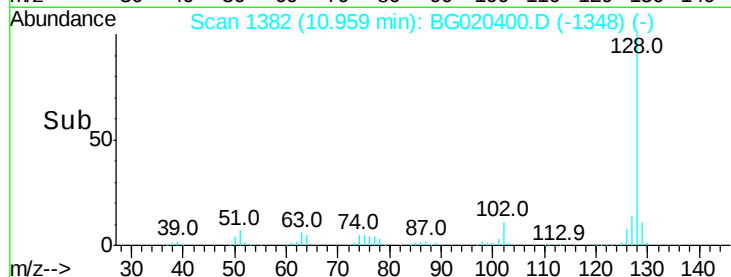
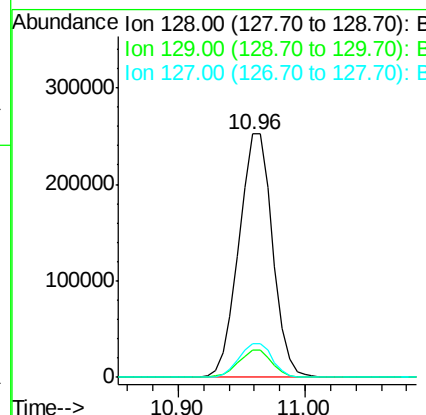
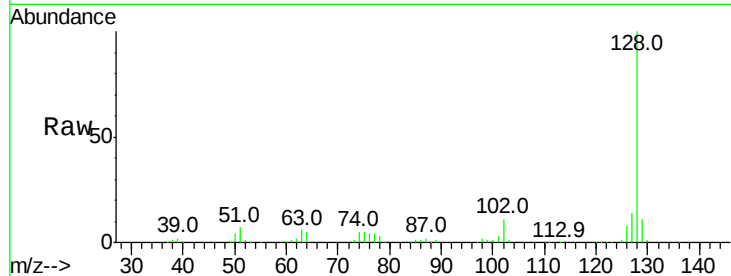




#28
Naphthalene
Concen: 119.31 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BG020400.D
Acq: 22 Dec 2015 6:10

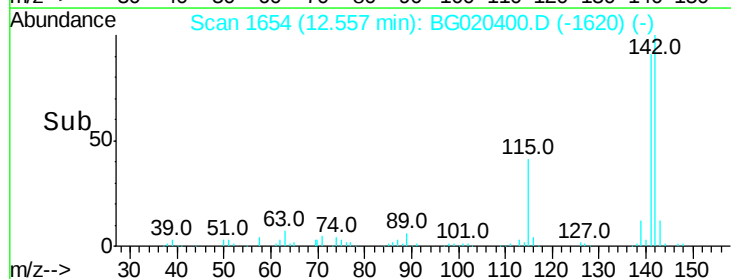
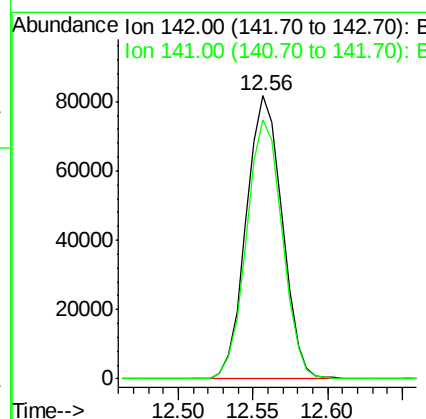
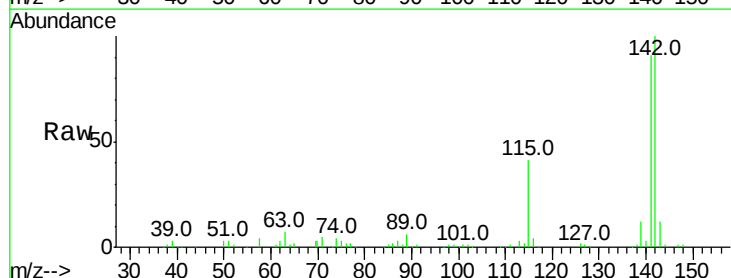
Instrument :
BNA_G
ClientSampleId :
D9N50DL

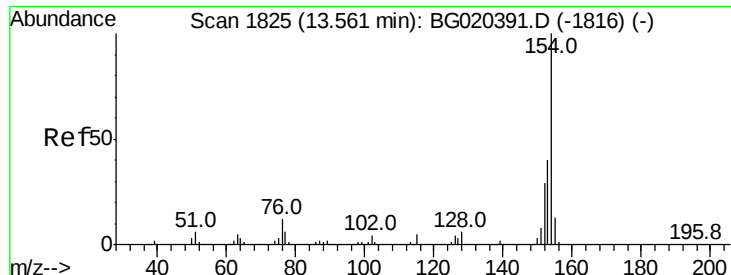
Tot Ion:128 Resp: 465499
Ion Ratio Lower Upper
128 100
129 11.4 8.6 12.8
127 14.0 10.1 15.1



#34
2-Methylnaphthalene
Concen: 45.76 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. 0.00 min
Lab File: BG020400.D
Acq: 22 Dec 2015 6:10

Tgt Ion:142 Resp: 136388
Ion Ratio Lower Upper
142 100
141 91.4 74.9 112.3





#41

1,1'-Biphenyl

Concen: 14.00 ng/ul

RT: 13.56 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BG020400.D

Acq: 22 Dec 2015 6:10

Instrument :

BNA_G

ClientSampled :

D9N50DL

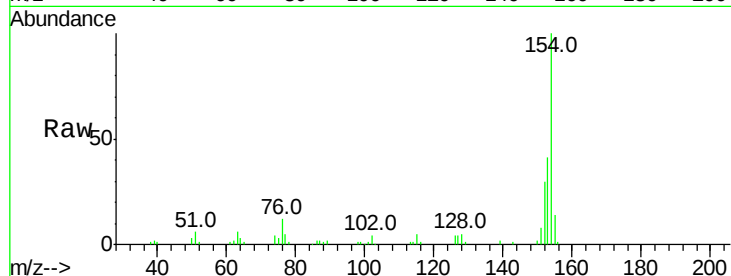
Tot Ion:154 Resp: 53511

Ion Ratio Lower Upper

154 100

153 41.0 35.5 53.3

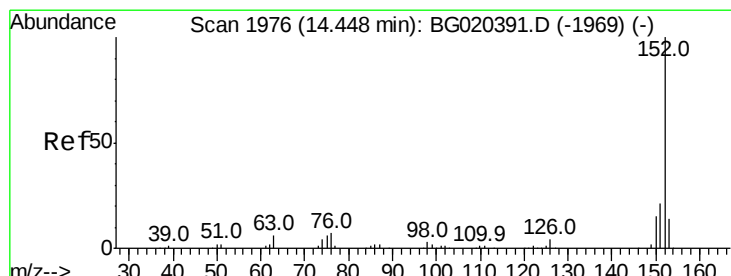
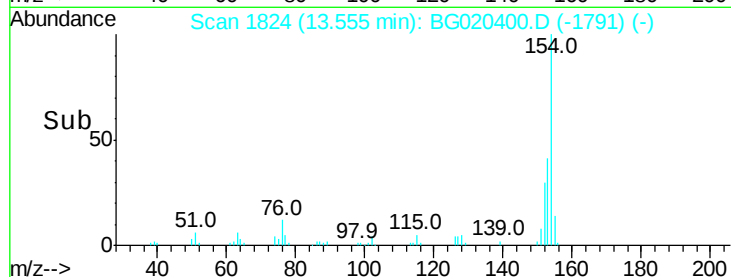
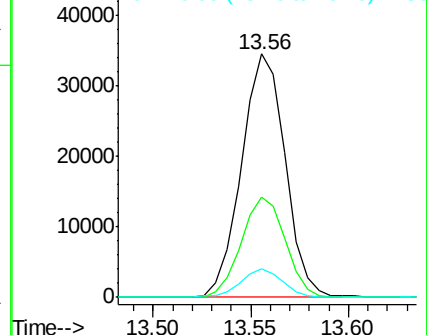
76 11.5 10.4 15.6



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): B



#48

Acenaphthylene

Concen: 2.91 ng/ul

RT: 14.44 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG020400.D

Acq: 22 Dec 2015 6:10

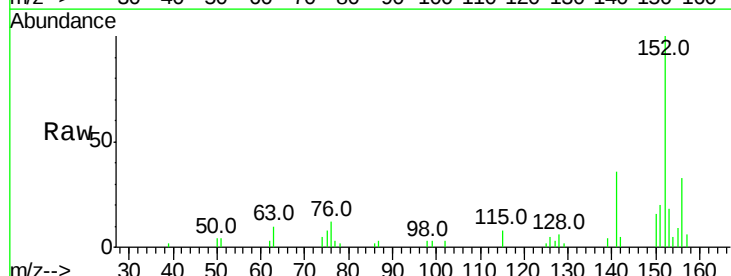
Tgt Ion:152 Resp: 14738

Ion Ratio Lower Upper

152 100

151 20.0 16.4 24.6

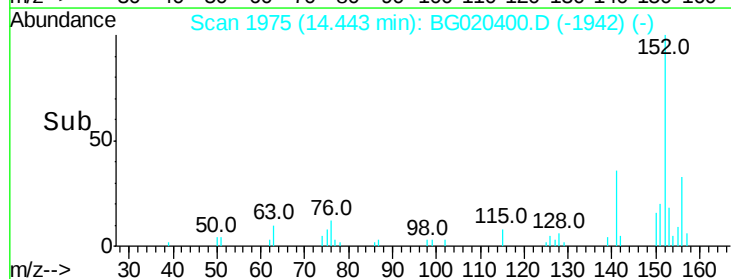
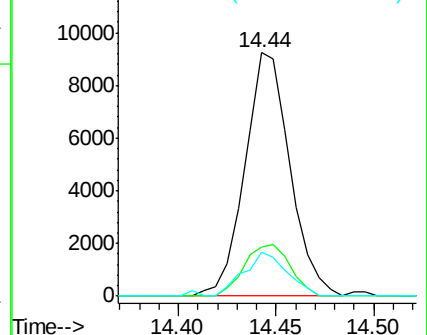
153 17.9 10.4 15.6#

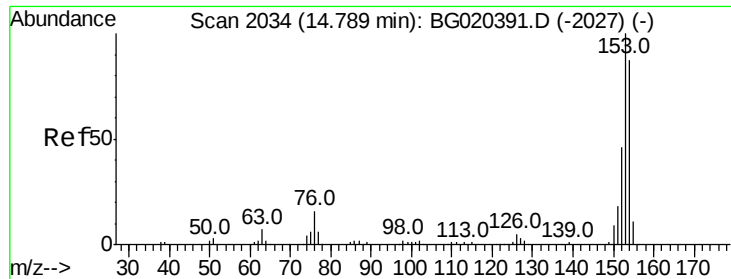


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 70.82 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020400.D

Acq: 22 Dec 2015 6:10

Instrument :

BNA_G

ClientSampleId :

D9N50DL

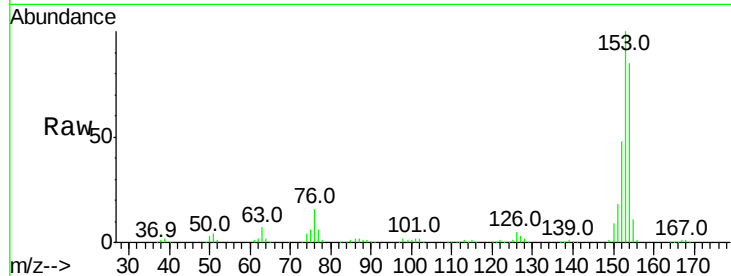
Tot Ion:153 Resp: 241303

Ion Ratio Lower Upper

153 100

152 47.5 37.6 56.4

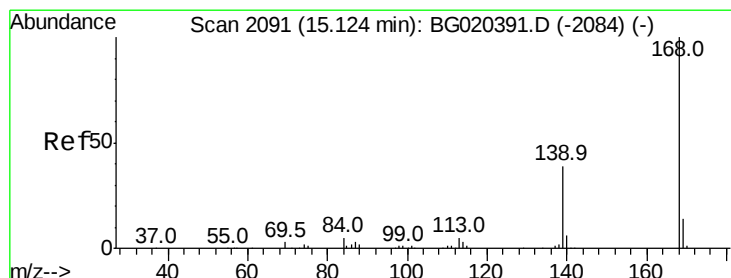
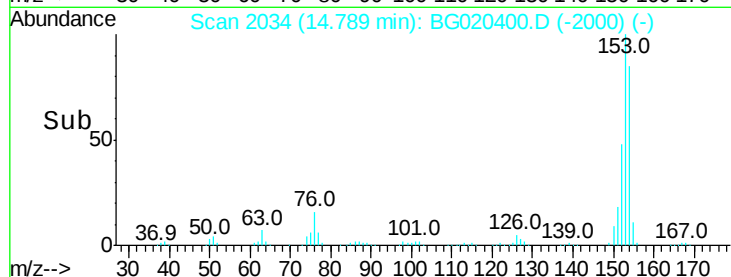
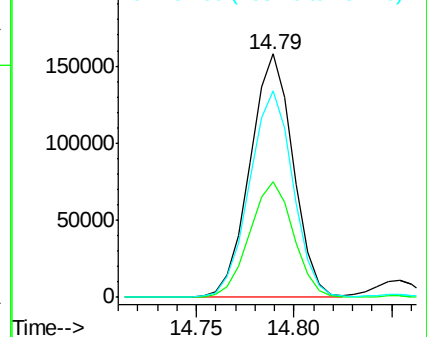
154 84.7 67.9 101.9



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

Dibenzofuran

Concen: 49.10 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BG020400.D

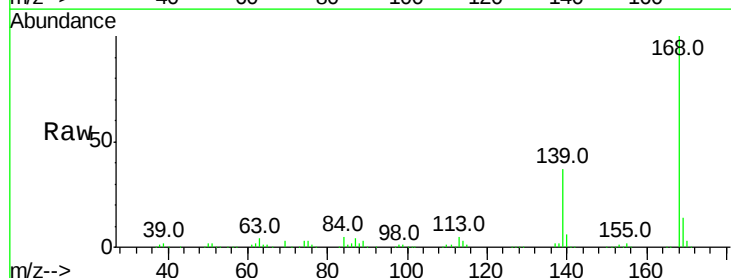
Acq: 22 Dec 2015 6:10

Tgt Ion:168 Resp: 248893

Ion Ratio Lower Upper

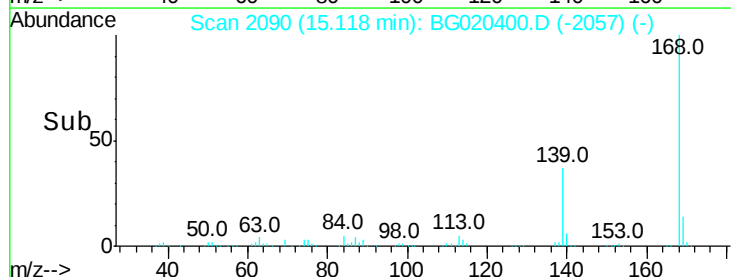
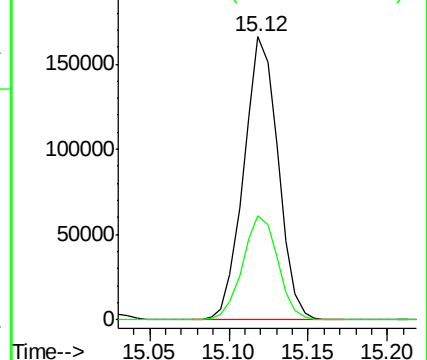
168 100

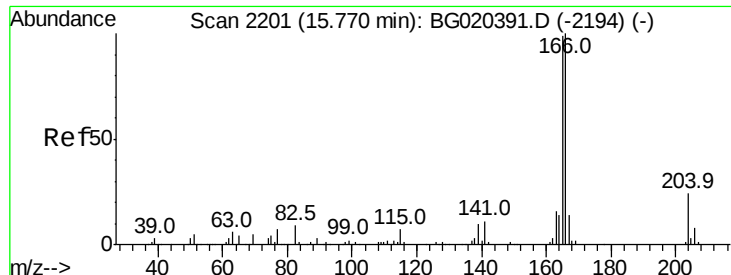
139 37.0 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 58.47 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BG020400.D

Acq: 22 Dec 2015 6:10

Instrument :

BNA_G

ClientSampleId :

D9N50DL

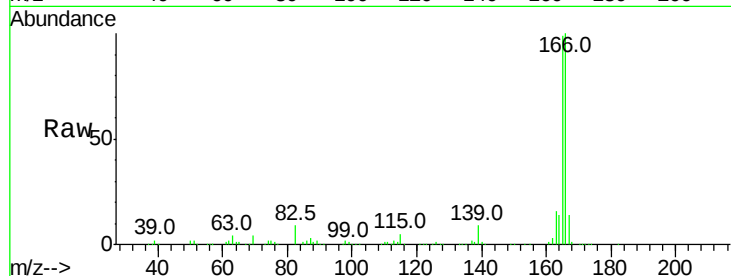
Tot Ion:166 Resp: 238003

Ion Ratio Lower Upper

166 100

165 99.3 81.4 122.0

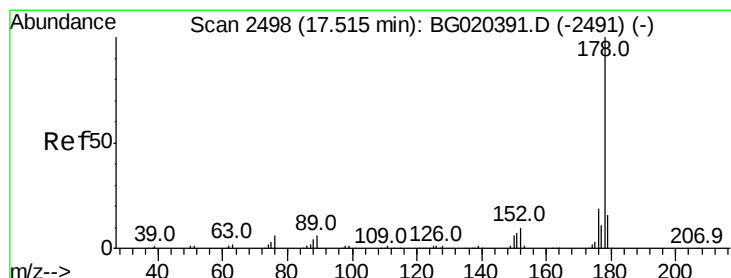
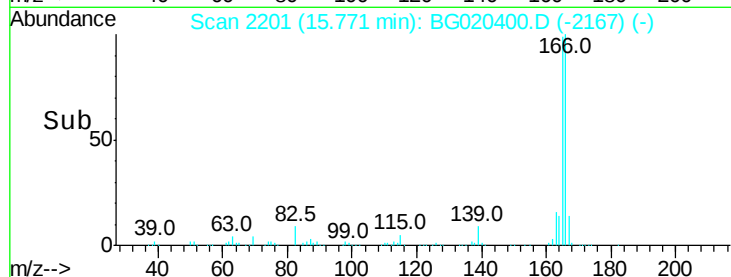
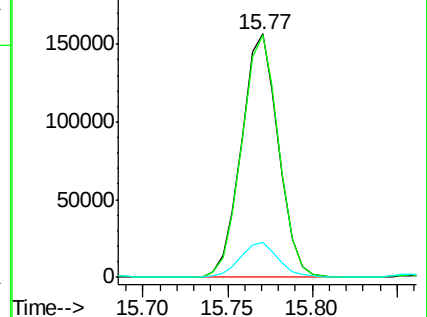
167 14.2 11.2 16.8



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



#70

Phenanthrene

Concen: 155.19 ng/ul

RT: 17.52 min Scan# 2498

Delta R.T. 0.00 min

Lab File: BG020400.D

Acq: 22 Dec 2015 6:10

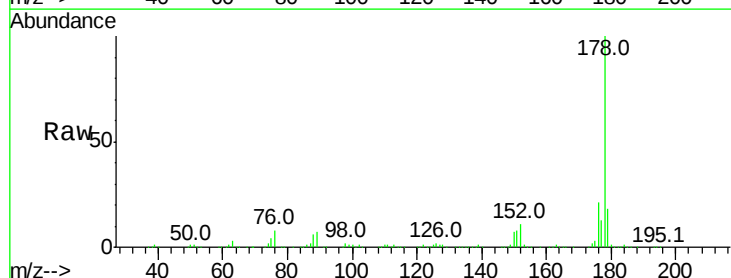
Tgt Ion:178 Resp: 1044344

Ion Ratio Lower Upper

178 100

179 17.6 12.9 19.3

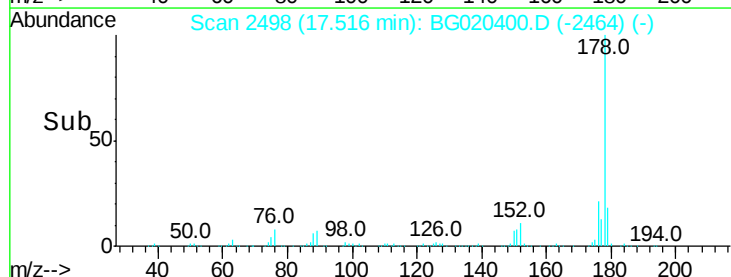
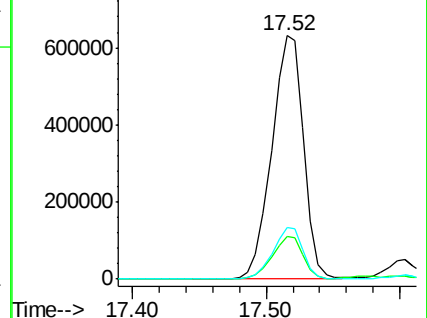
176 21.1 15.3 22.9

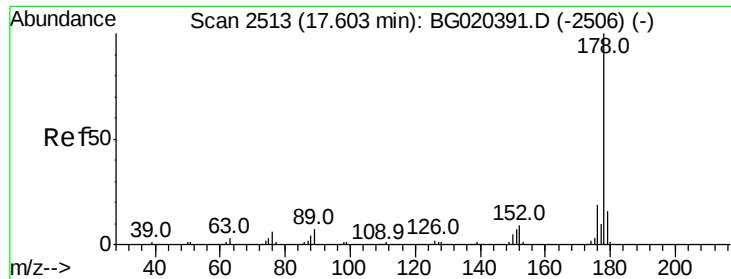


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

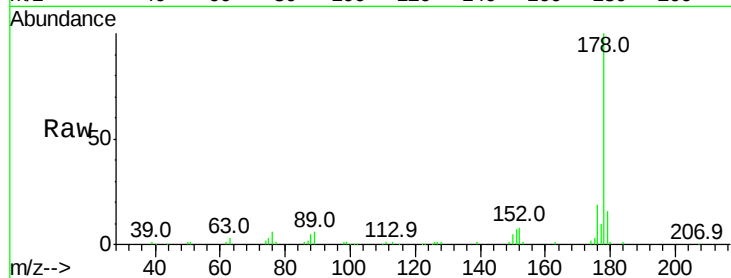




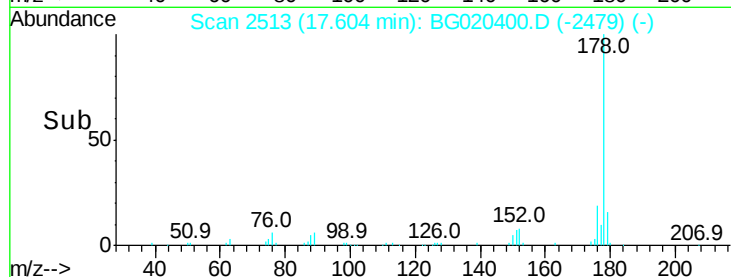
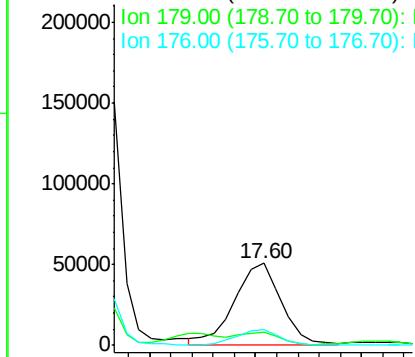
#72
 Anthracene
 Concen: 11.33 ng/ul
 RT: 17.60 min Scan# 2513
 Delta R.T. 0.00 min
 Lab File: BG020400.D
 Acq: 22 Dec 2015 6:10

Instrument :
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 ClientSampleId :
 D9N50DL

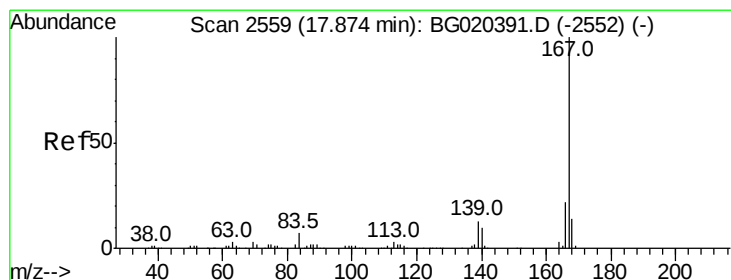
Tot Ion:178 Resp: 77303
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.3 18.5
 176 18.7 14.3 21.5



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

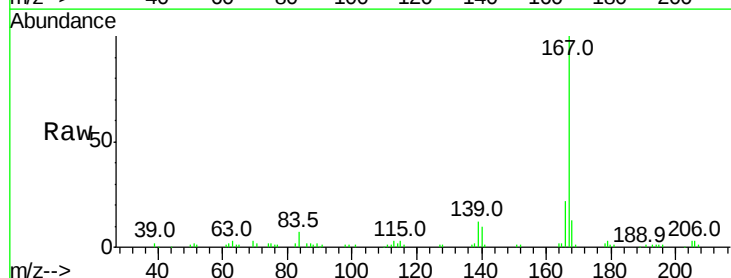


Time-->

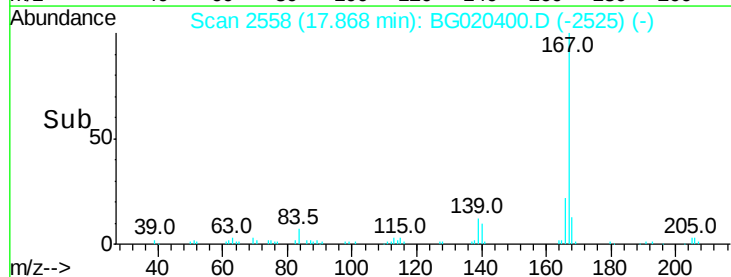
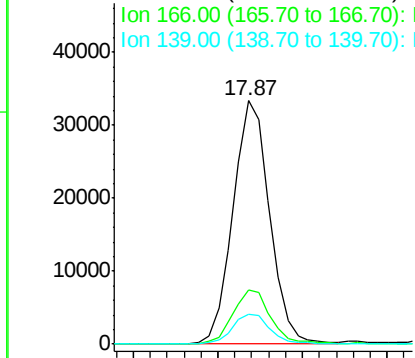


#75
 Carbazole
 Concen: 8.79 ng/ul
 RT: 17.87 min Scan# 2558
 Delta R.T. -0.01 min
 Lab File: BG020400.D
 Acq: 22 Dec 2015 6:10

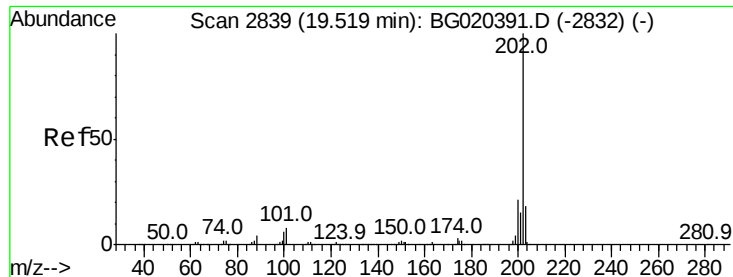
Tgt Ion:167 Resp: 50436
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.0 25.6
 139 12.1 10.1 15.1



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



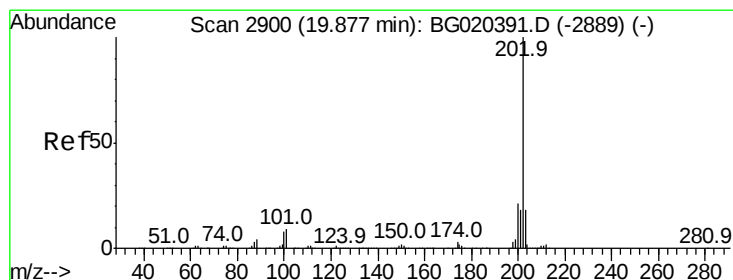
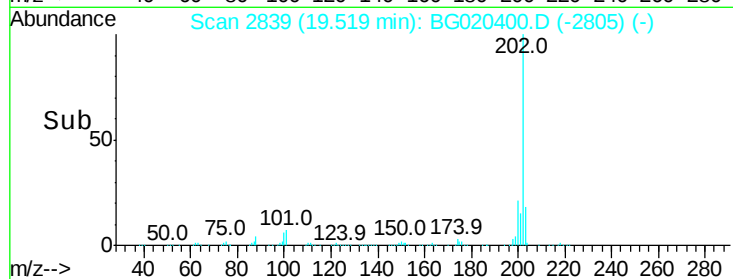
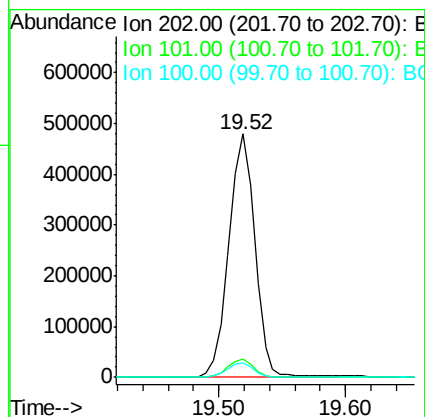
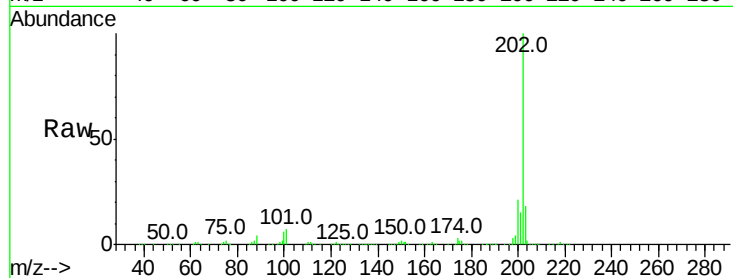
Time-->



#77
Fluoranthene
 Concen: 86.88 ng/ul
 RT: 19.52 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: BG020400.D
 Acq: 22 Dec 2015 6:10

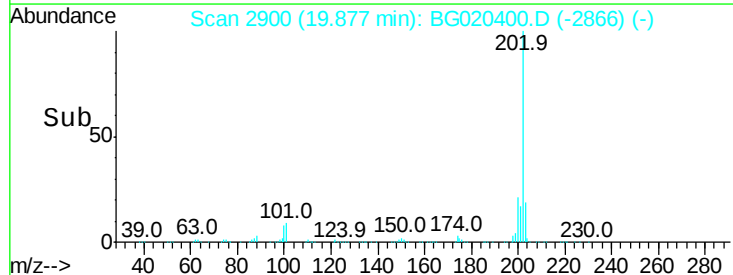
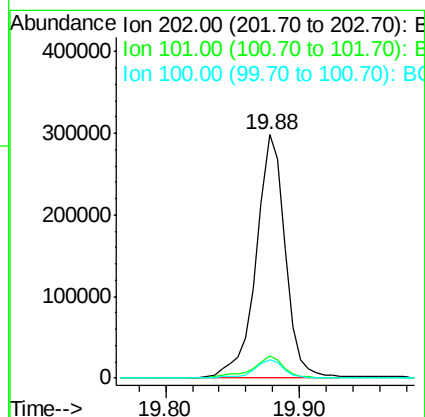
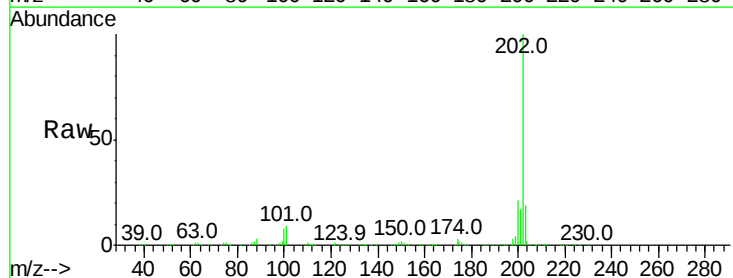
Instrument :
 BNA_G
 ClientSampleId :
 D9N50DL

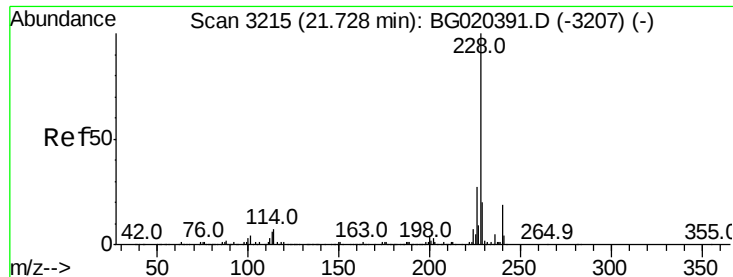
Tot Ion:	202	Resp:	683293
Ion	Ratio	Lower	Upper
202	100		
101	7.3	6.2	9.4
100	6.0	5.1	7.7



#80
Pyrene
 Concen: 46.82 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: BG020400.D
 Acq: 22 Dec 2015 6:10

Tgt Ion:	202	Resp:	446887
Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
100	7.6	6.4	9.6





#83

Benzo(a)anthracene

Concen: 11.66 ng/ul

RT: 21.72 min Scan# 3214

Delta R.T. -0.01 min

Lab File: BG020400.D

Acq: 22 Dec 2015 6:10

Instrument :

BNA_G

ClientSampleId :

D9N50DL

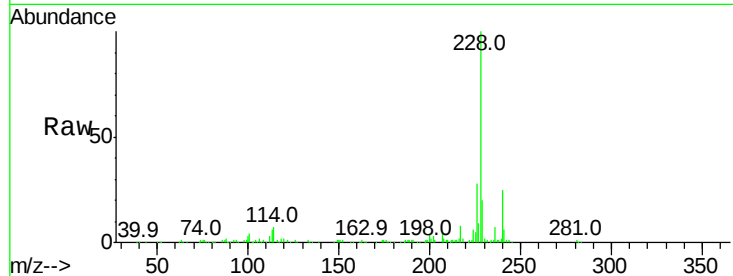
Tot Ion:228 Resp: 107274

Ion Ratio Lower Upper

228 100

229 20.4 15.8 23.8

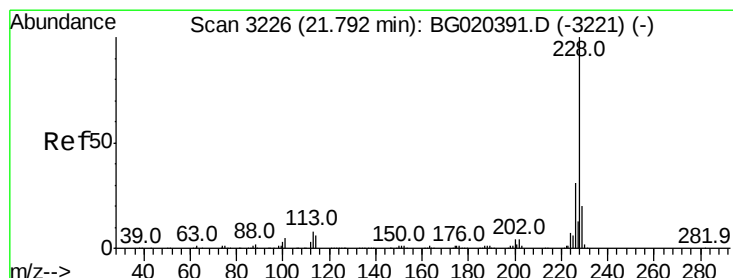
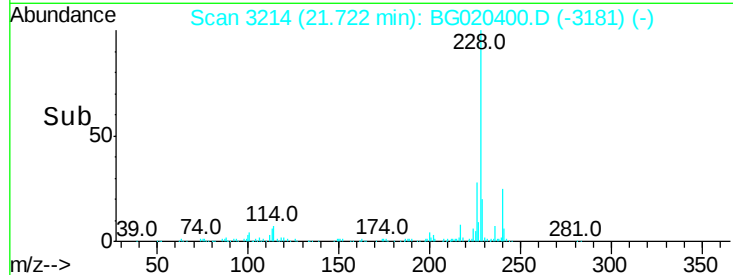
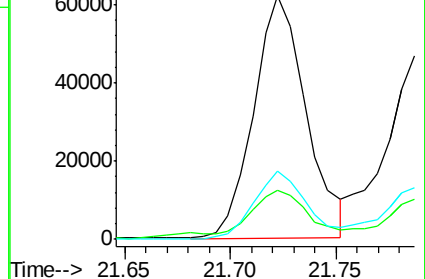
226 28.1 21.8 32.6



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: 10.23 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. -0.01 min

Lab File: BG020400.D

Acq: 22 Dec 2015 6:10

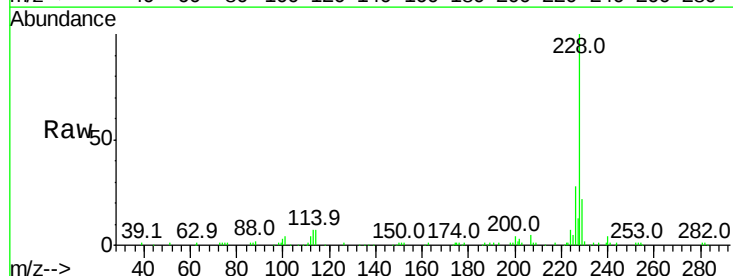
Tgt Ion:228 Resp: 88668

Ion Ratio Lower Upper

228 100

226 28.4 23.9 35.9

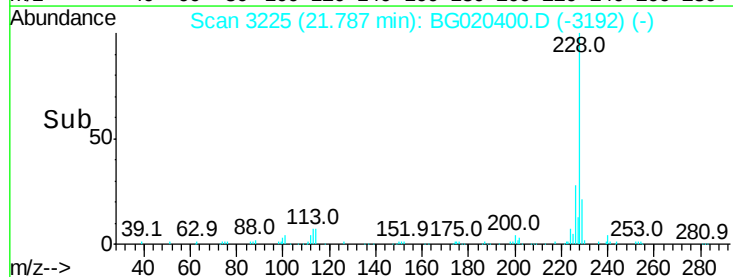
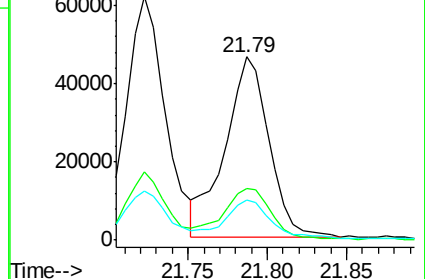
229 22.0 15.6 23.4

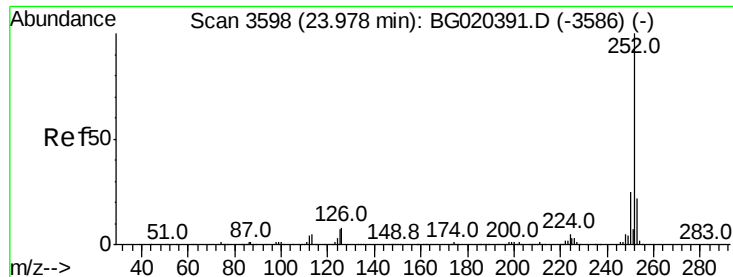


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 5.38 ng/ul m

RT: 23.97 min Scan# 3597

Delta R.T. -0.01 min

Lab File: BG020400.D

Acq: 22 Dec 2015 6:10

Instrument :

BNA_G

ClientSampleId :

D9N50DL

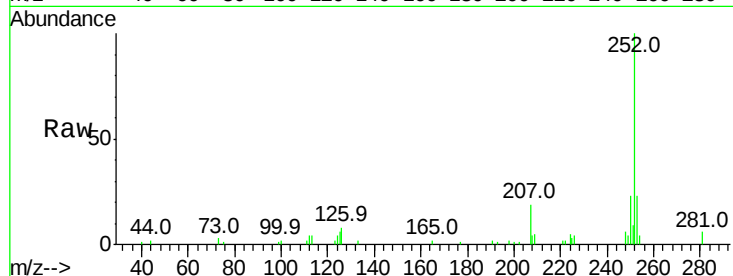
Tot Ion:252 Resp: 39609

Ion Ratio Lower Upper

252 100

253 22.9 16.7 25.1

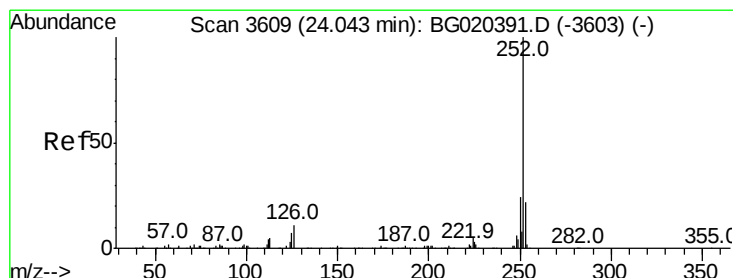
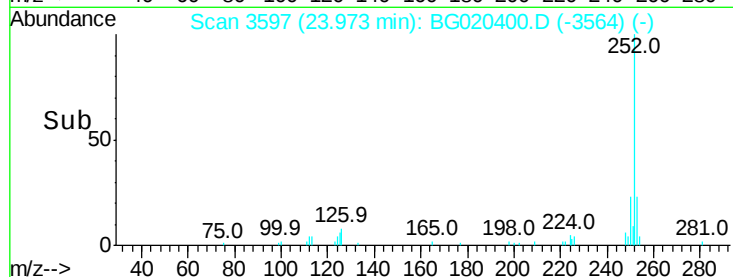
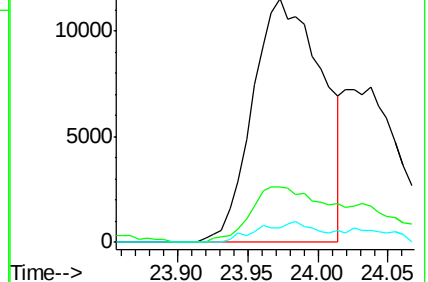
125 6.2 6.2 9.2



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: 2.95 ng/ul m

RT: 24.04 min Scan# 3608

Delta R.T. -0.01 min

Lab File: BG020400.D

Acq: 22 Dec 2015 6:10

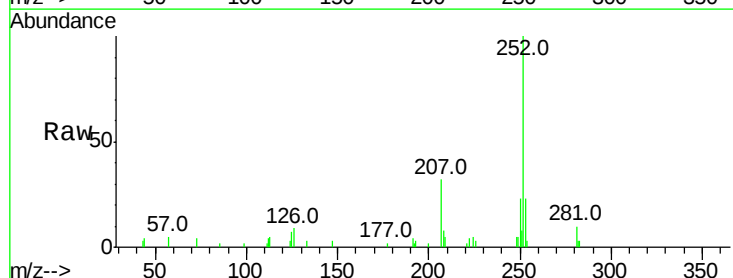
Tgt Ion:252 Resp: 20848

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

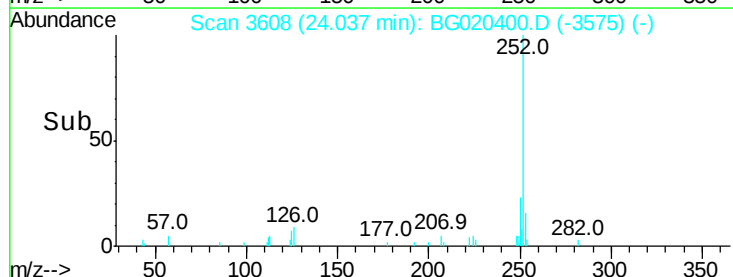
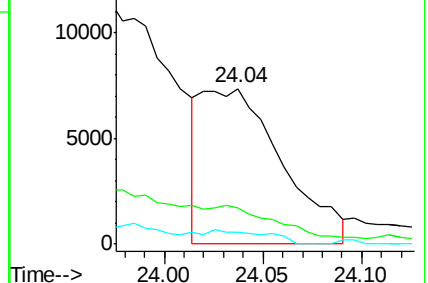
125 7.5 5.8 8.6

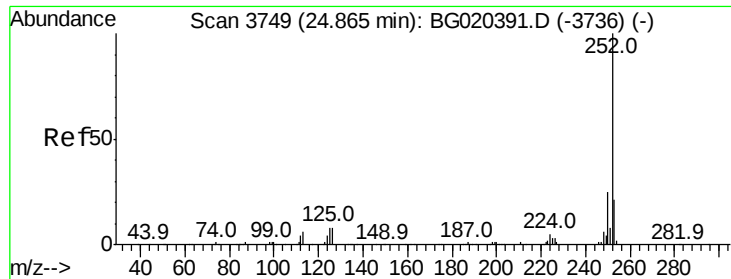


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 2.98 ng/ul

RT: 24.85 min Scan# 3747

Delta R.T. -0.01 min

Lab File: BG020400.D

Acq: 22 Dec 2015 6:10

Instrument :

BNA_G

ClientSampleId :

D9N50DL

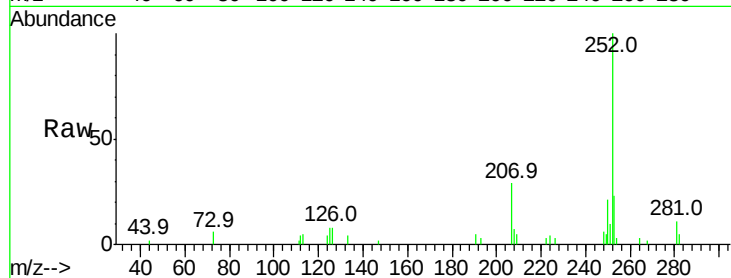
Tot Ion:252 Resp: 20754

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

125 7.7 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

