

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122115\
 Data File : BG020398.D
 Acq On : 22 Dec 2015 4:52
 Operator : UM/SJ
 Sample : G4848-02DL 25X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N48DL

Quant Time: Dec 22 06:34:12 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	18193	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	77584	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	51159	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	124098	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	151541	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	116057	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	1227	0.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	882	0.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	1043	0.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	1010	0.74	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	605	1.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	390	0.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	842	0.62	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1141	0.75	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	4463	1.08	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	5395	1.12	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	4470	1.19	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.57	188	7558	1.32	ng/ul	0.00
79) Pyrene-d10	19.85	212	7310	1.03	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	5400	0.93	ng/ul	-0.01

Target Compounds

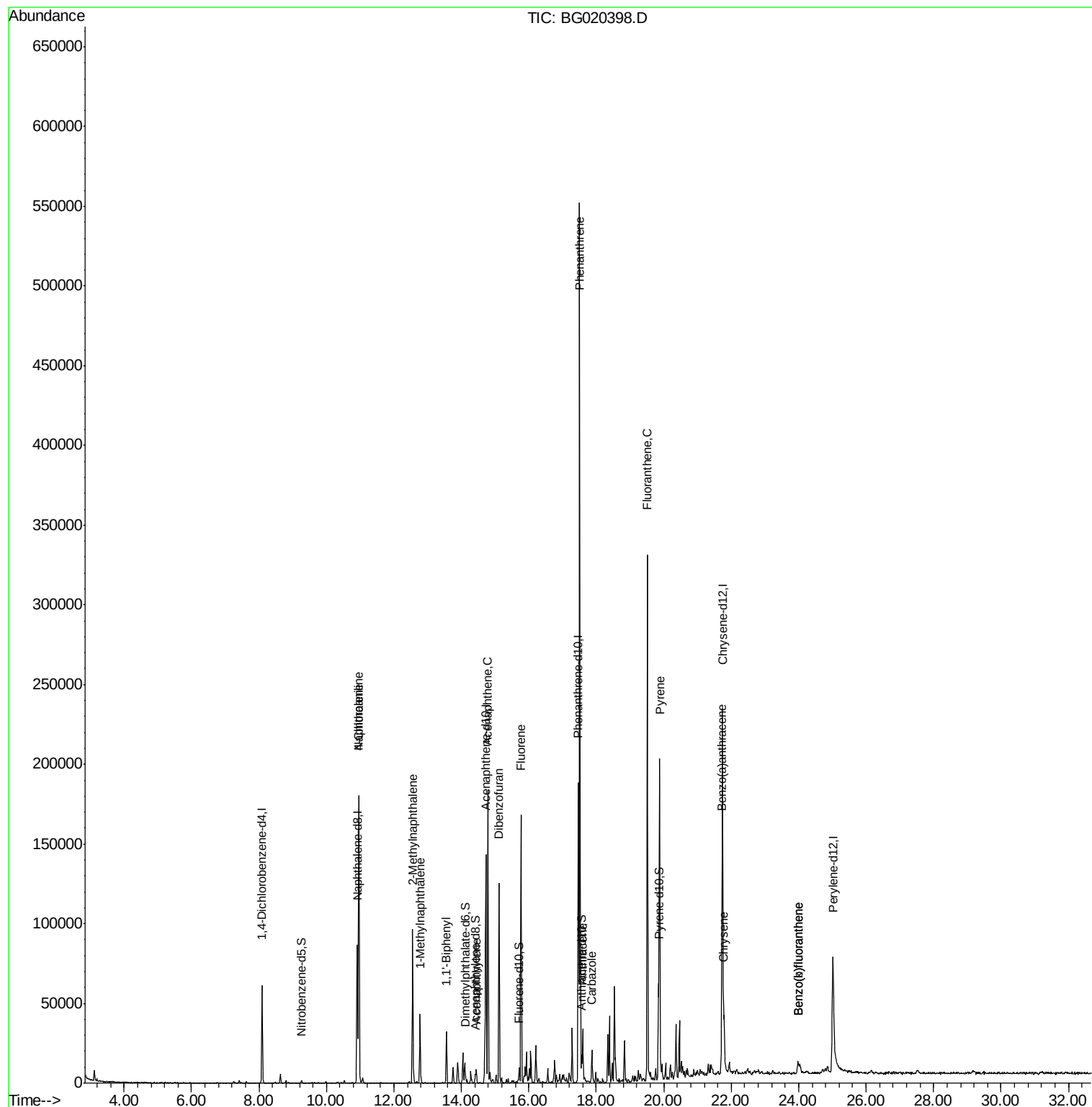
						Qvalue
28) Naphthalene	10.96	128	158275	39.07	ng/ul	99
30) 4-Chloroaniline	10.96	127	21494	13.75	ng/ul#	14
34) 2-Methylnaphthalene	12.56	142	45781	14.79	ng/ul	98
35) 1-Methylnaphthalene	12.77	142	21252	7.14	ng/ul	97
41) 1,1'-Biphenyl	13.56	154	18242	4.73	ng/ul	99
48) Acenaphthylene	14.45	152	5311	1.04	ng/ul#	90
50) Acenaphthene	14.79	153	82120	23.86	ng/ul	99
54) Dibenzofuran	15.12	168	87216	17.04	ng/ul	98
59) Fluorene	15.77	166	80366	19.55	ng/ul	99
70) Phenanthrene	17.51	178	369094	54.37	ng/ul	99
72) Anthracene	17.60	178	25902	3.76	ng/ul	99
75) Carbazole	17.87	167	15198	2.63	ng/ul	100
77) Fluoranthene	19.51	202	223759	28.21	ng/ul	98
80) Pyrene	19.88	202	144264	15.73	ng/ul	99
83) Benzo(a)anthracene	21.72	228	33933	3.84	ng/ul	97
85) Chrysene	21.79	228	28878	3.47	ng/ul	96
88) Benzo(b)fluoranthene	23.98	252	12914	1.85	ng/ul#	88
89) Benzo(k)fluoranthene	23.98	252	12914	1.93	ng/ul#	91

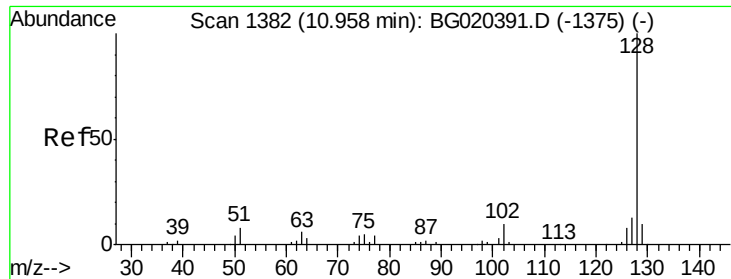
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

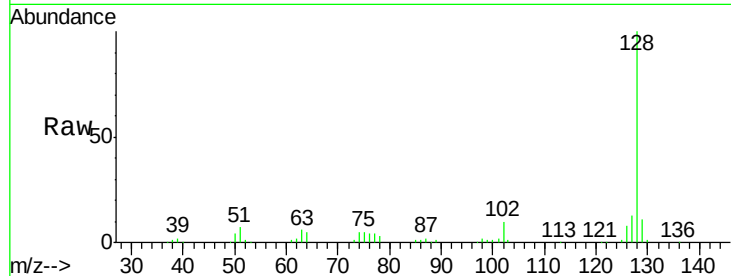




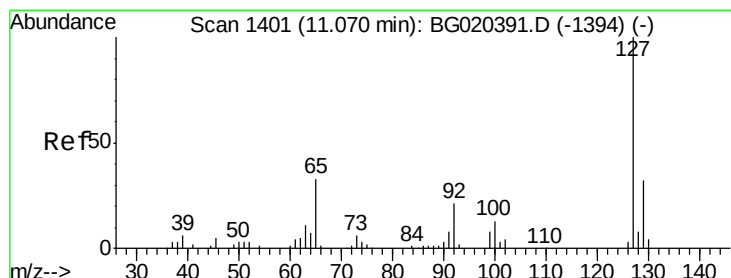
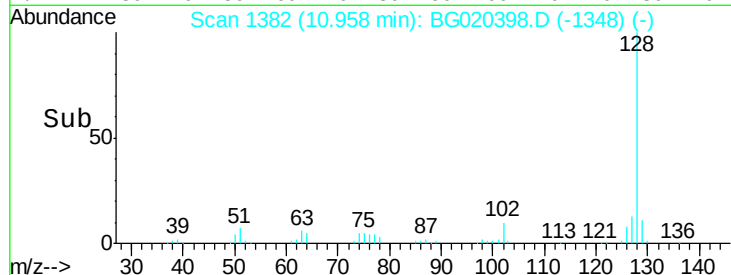
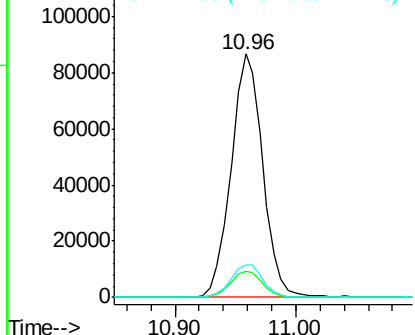
#28
Naphthalene
Concen: 39.07 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BG020398.D
Acq: 22 Dec 2015 4:52

Instrument :
BNA_G
ClientSampleId :
D9N48DL

Tgt Ion:128 Resp: 158275
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 13.4 10.1 15.1

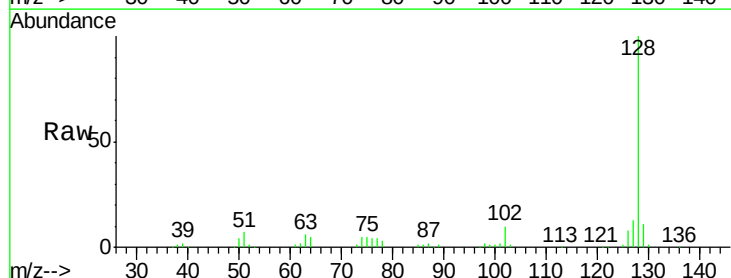


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

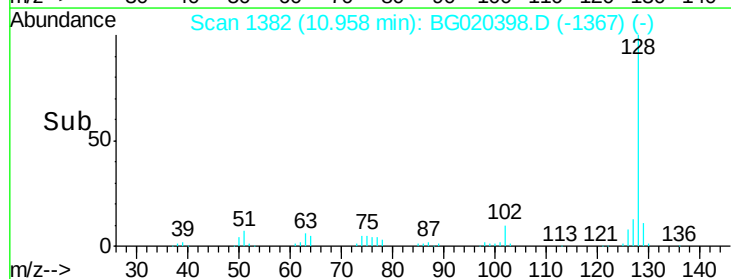
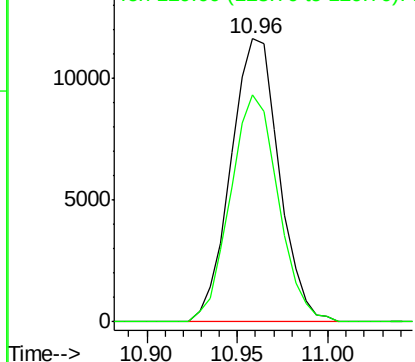


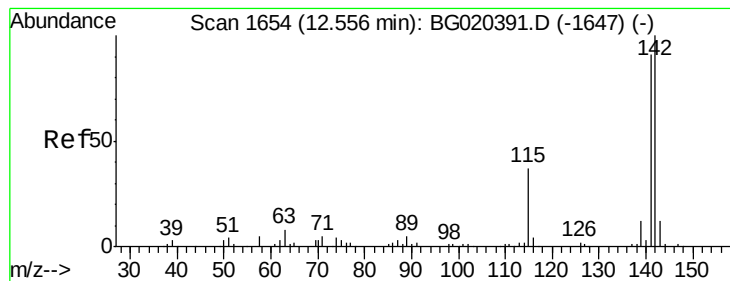
#30
4-Chloroaniline
Concen: 13.75 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.11 min
Lab File: BG020398.D
Acq: 22 Dec 2015 4:52

Tgt Ion:127 Resp: 21494
Ion Ratio Lower Upper
127 100
129 80.2 25.7 38.5#



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





#34

2-Methylnaphthalene

Concen: 14.79 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. 0.00 min

Lab File: BG020398.D

Acq: 22 Dec 2015 4:52

Instrument :

BNA_G

ClientSampleId :

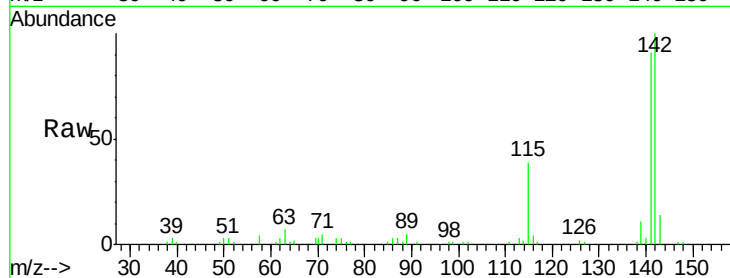
D9N48DL

Tgt Ion:142 Resp: 45781

Ion Ratio Lower Upper

142 100

141 91.3 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

30000

25000

20000

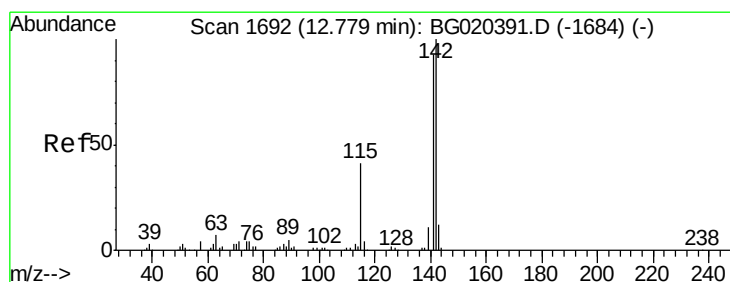
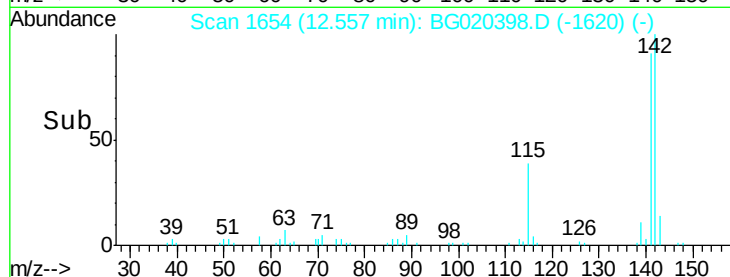
15000

10000

5000

0

Time-->



#35

1-Methylnaphthalene

Concen: 7.14 ng/ul

RT: 12.77 min Scan# 1691

Delta R.T. -0.01 min

Lab File: BG020398.D

Acq: 22 Dec 2015 4:52

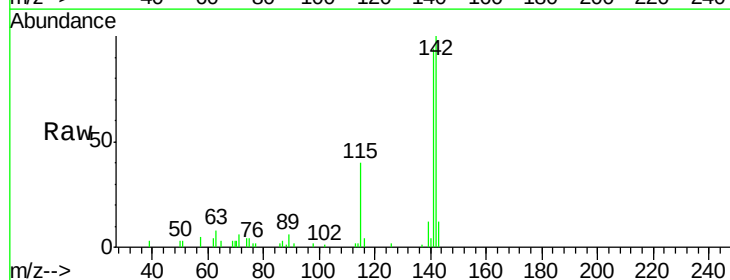
Tgt Ion:142 Resp: 21252

Ion Ratio Lower Upper

142 100

141 94.0 73.0 109.6

116 4.3 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

12.77

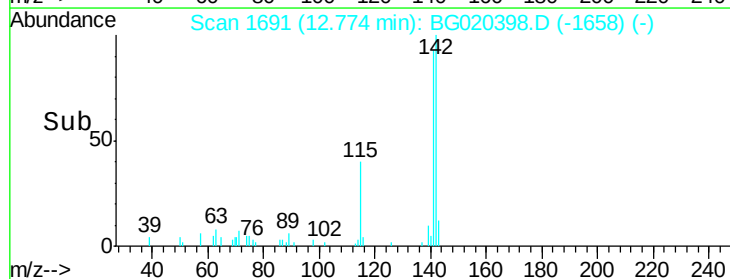
15000

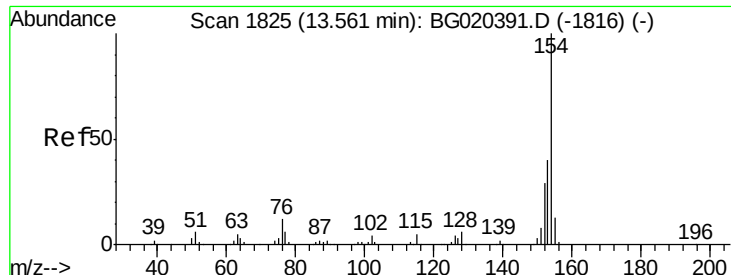
10000

5000

0

Time-->

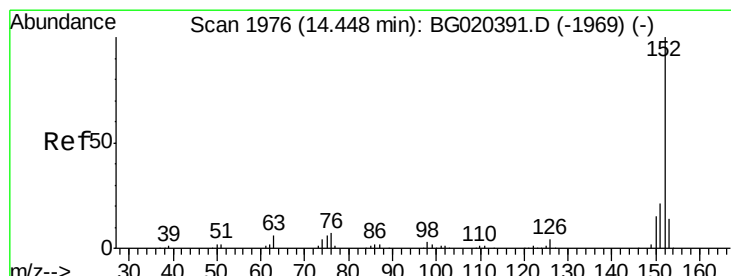
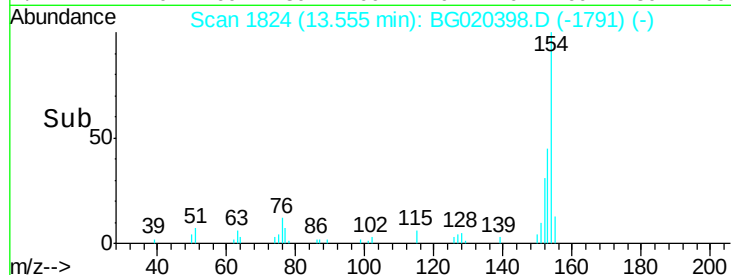
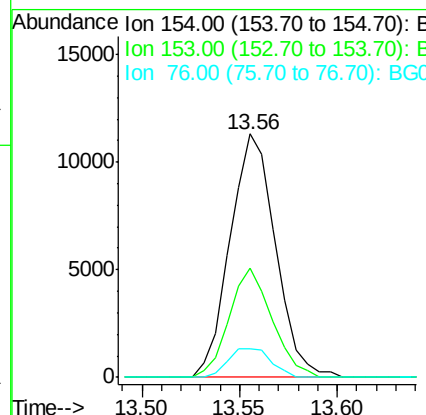
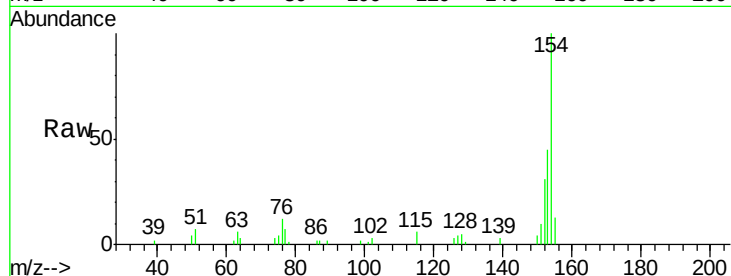




#41
1,1'-Biphenyl
Concen: 4.73 ng/ul
RT: 13.56 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BG020398.D
Acq: 22 Dec 2015 4:52

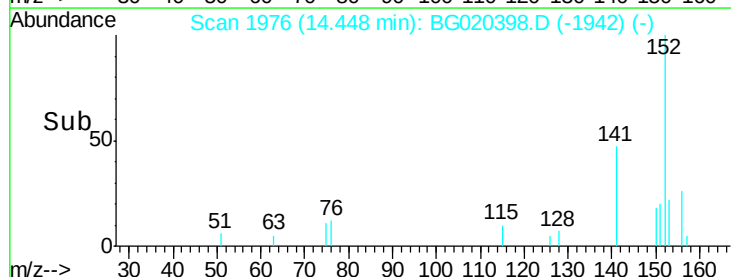
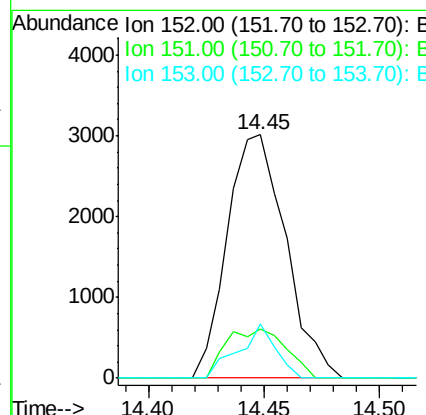
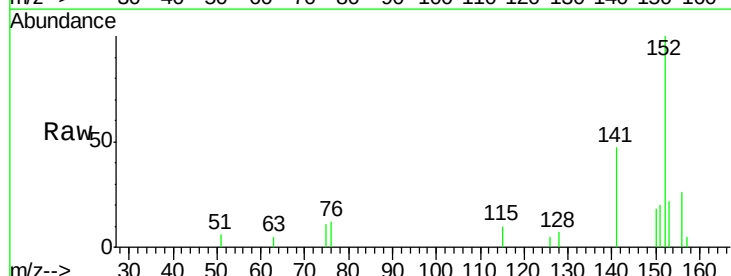
Instrument :
BNA_G
ClientSampleId :
D9N48DL

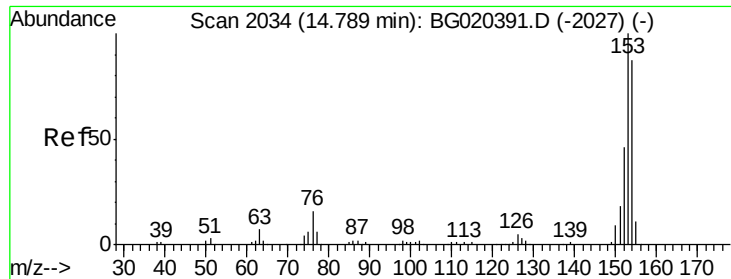
Tgt Ion	Ratio	Lower	Upper
154	100		
153	44.7	35.5	53.3
76	11.9	10.4	15.6



#48
Acenaphthylene
Concen: 1.04 ng/ul
RT: 14.45 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BG020398.D
Acq: 22 Dec 2015 4:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.4	24.6
153	22.1	10.4	15.6#





#50

Acenaphthene

Concen: 23.86 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020398.D

Acq: 22 Dec 2015 4:52

Instrument :

BNA_G

ClientSampleId :

D9N48DL

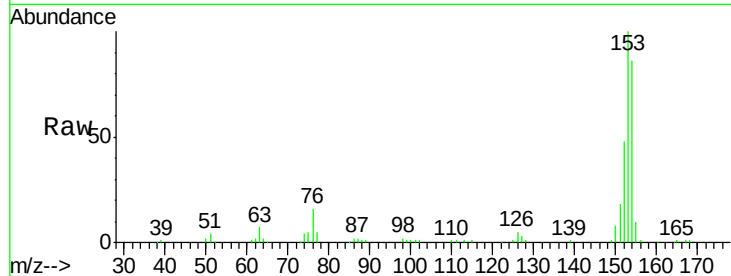
Tgt Ion:153 Resp: 82120

Ion Ratio Lower Upper

153 100

152 47.7 37.6 56.4

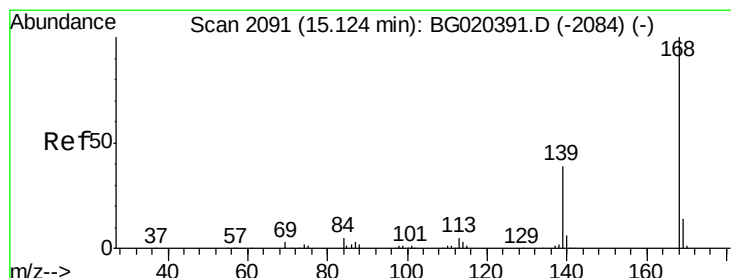
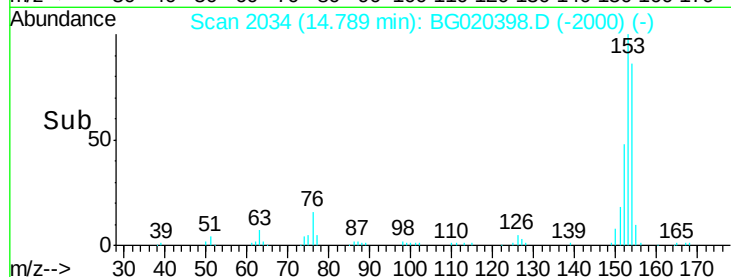
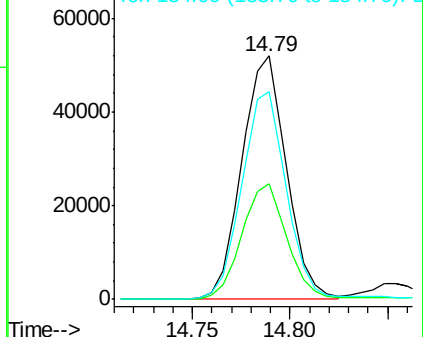
154 85.6 67.9 101.9



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: 17.04 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BG020398.D

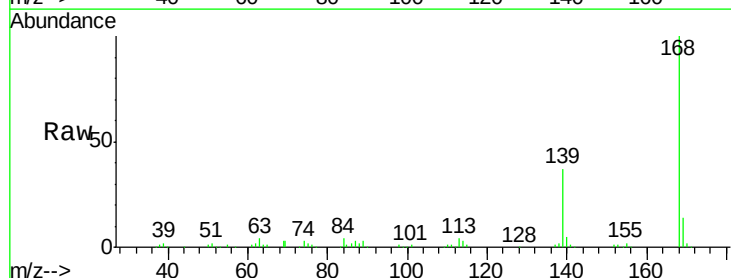
Acq: 22 Dec 2015 4:52

Tgt Ion:168 Resp: 87216

Ion Ratio Lower Upper

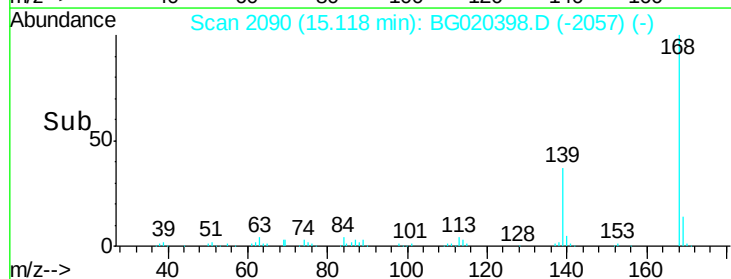
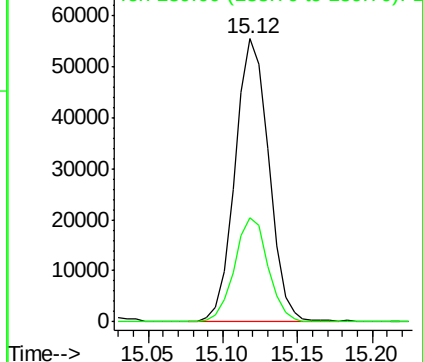
168 100

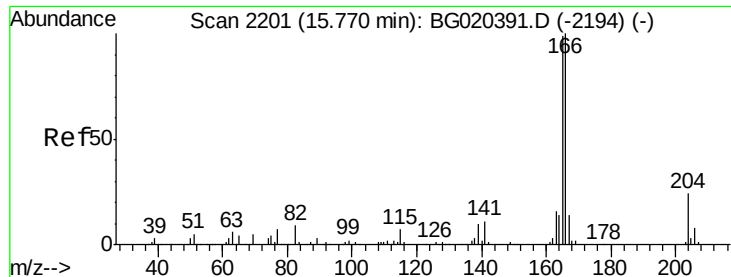
139 36.8 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 19.55 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BG020398.D

Acq: 22 Dec 2015 4:52

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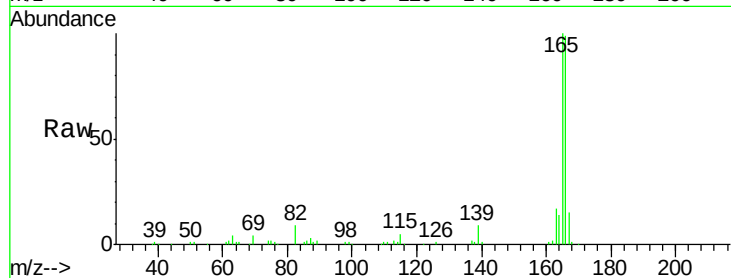
Tgt Ion:166 Resp: 80366

Ion Ratio Lower Upper

166 100

165 100.6 81.4 122.0

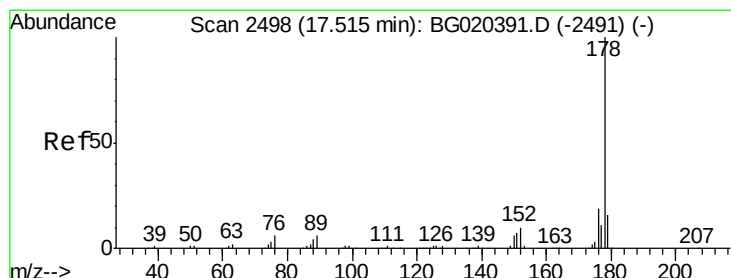
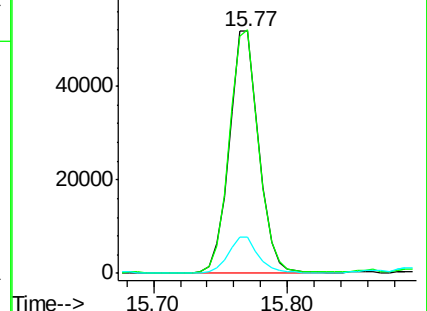
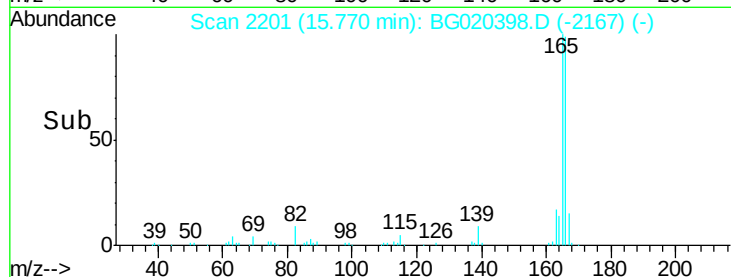
167 14.9 11.2 16.8



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: 54.37 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. -0.01 min

Lab File: BG020398.D

Acq: 22 Dec 2015 4:52

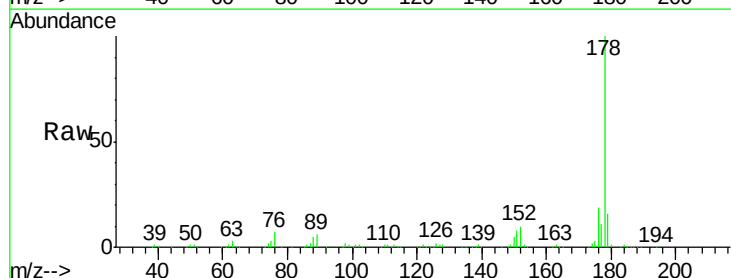
Tgt Ion:178 Resp: 369094

Ion Ratio Lower Upper

178 100

179 15.7 12.9 19.3

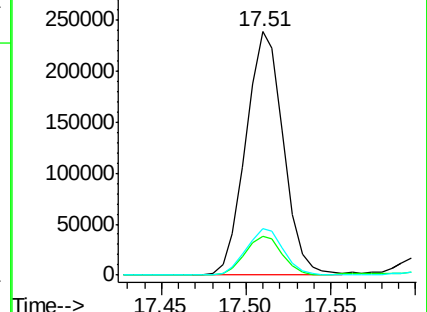
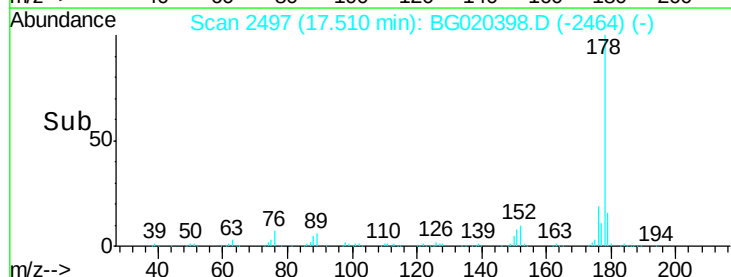
176 19.2 15.3 22.9

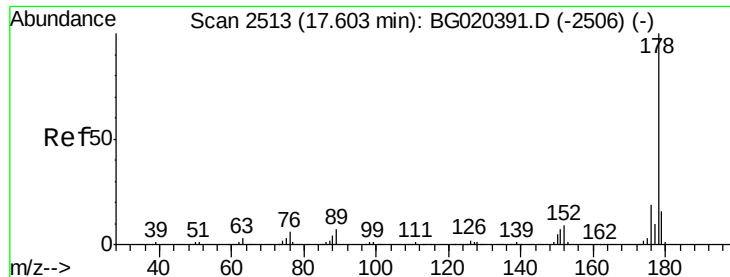


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.76 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BG020398.D

Acq: 22 Dec 2015 4:52

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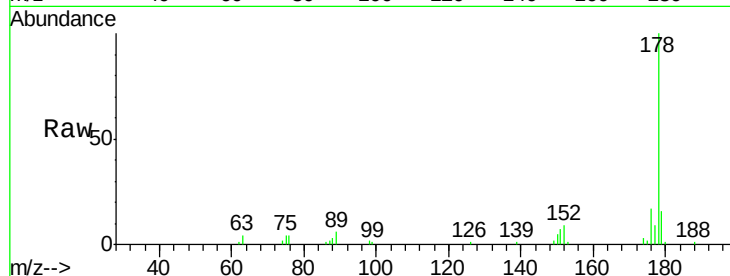
Tgt Ion:178 Resp: 25902

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

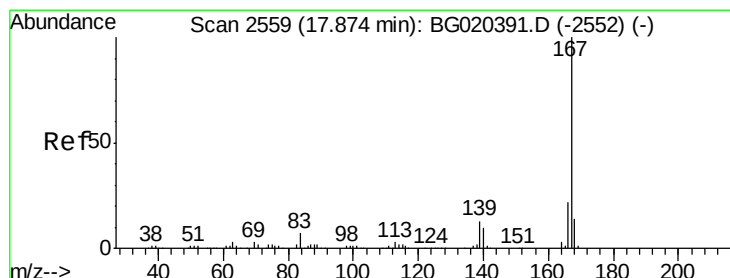
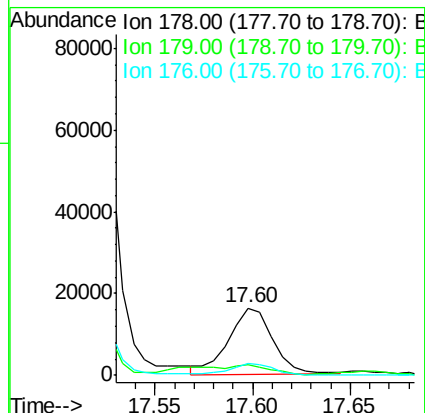
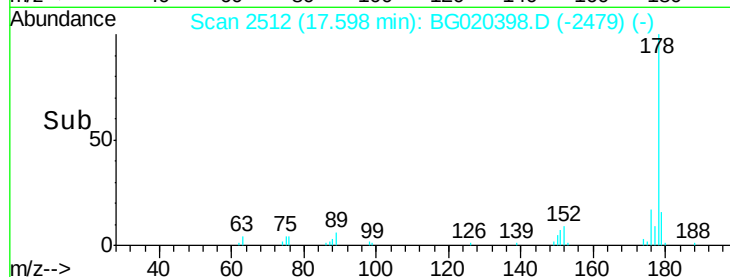
176 17.3 14.3 21.5



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: 2.63 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.01 min

Lab File: BG020398.D

Acq: 22 Dec 2015 4:52

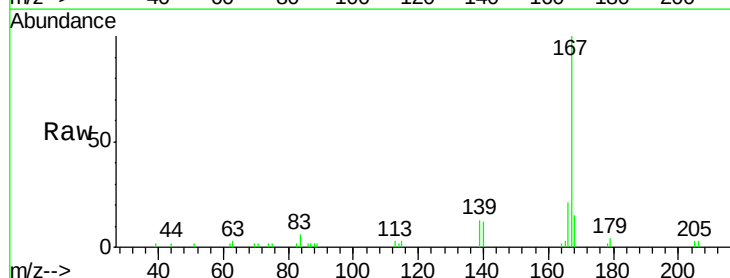
Tgt Ion:167 Resp: 15198

Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.6

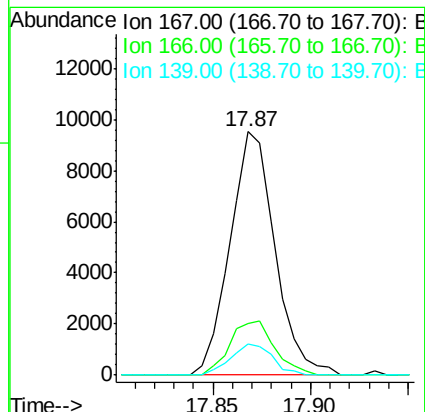
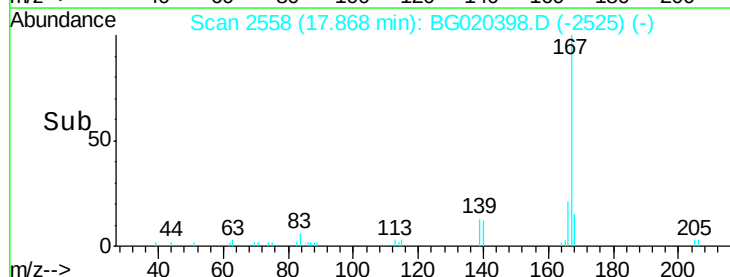
139 12.6 10.1 15.1

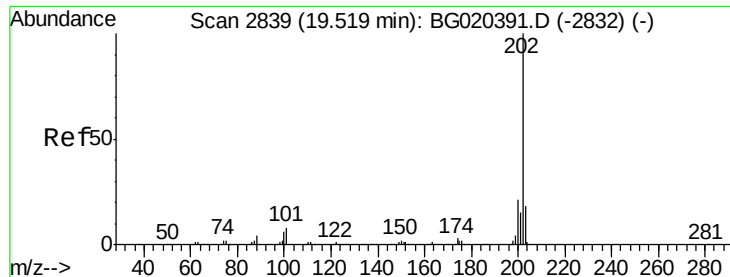


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 28.21 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BG020398.D

Acq: 22 Dec 2015 4:52

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BNA_G

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D9N48DL

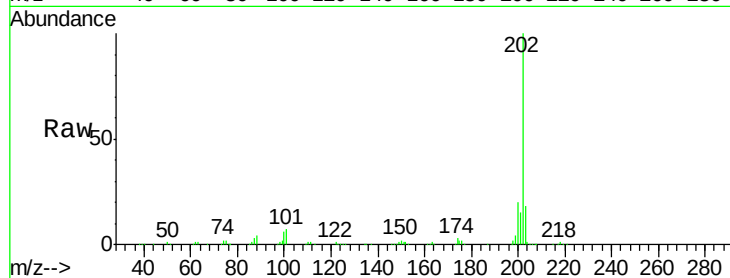
Tgt Ion:202 Resp: 223759

Ion Ratio Lower Upper

202 100

101 7.0 6.2 9.4

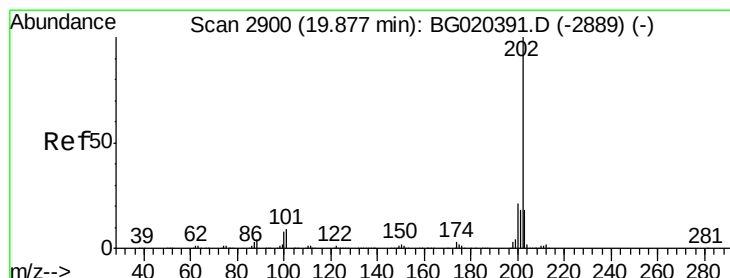
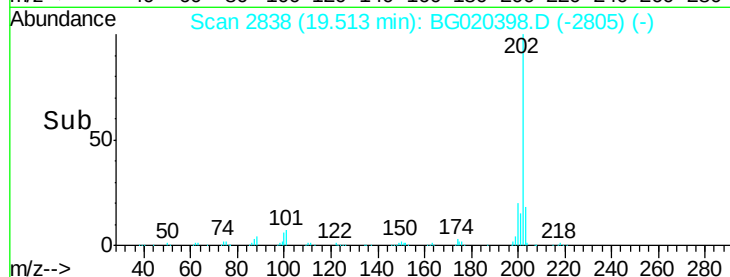
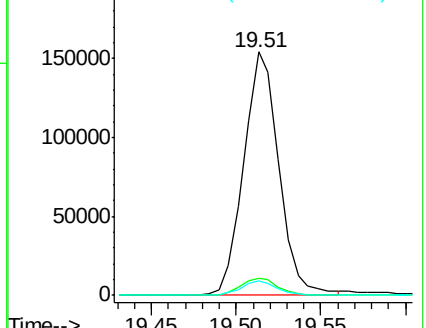
100 6.2 5.1 7.7



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: 15.73 ng/ul

RT: 19.88 min Scan# 2900

Delta R.T. 0.00 min

Lab File: BG020398.D

Acq: 22 Dec 2015 4:52

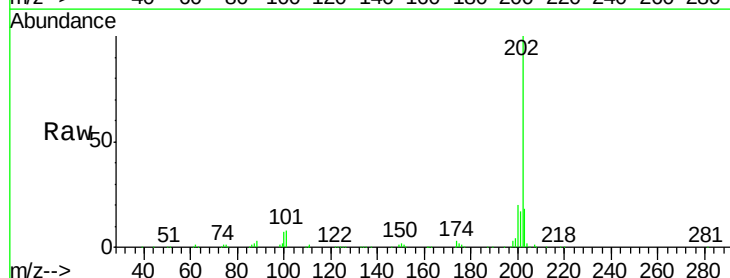
Tgt Ion:202 Resp: 144264

Ion Ratio Lower Upper

202 100

101 8.4 7.0 10.4

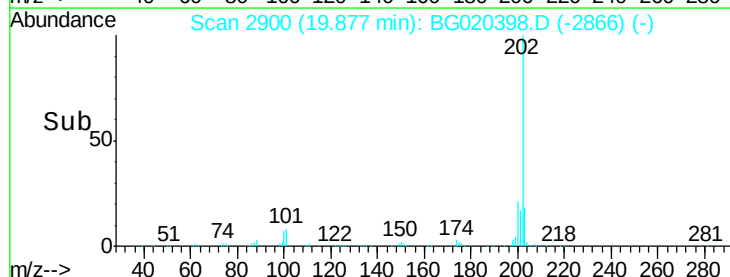
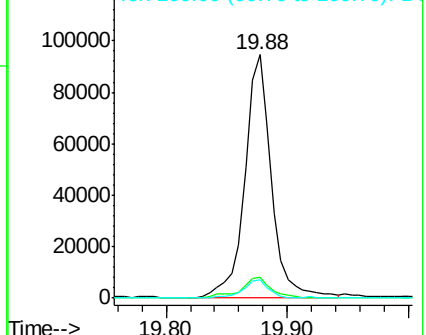
100 7.3 6.4 9.6

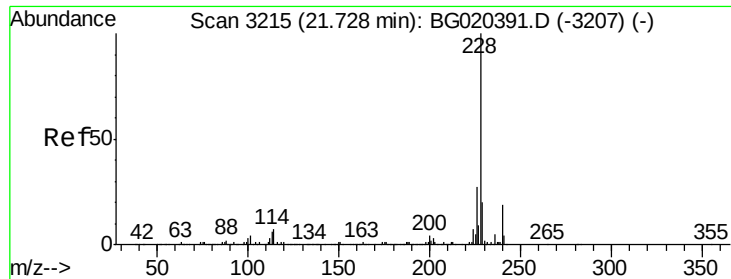


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

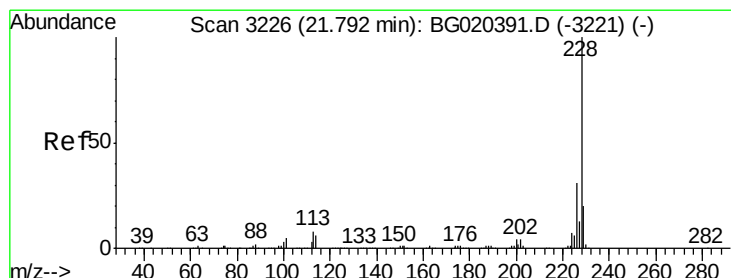
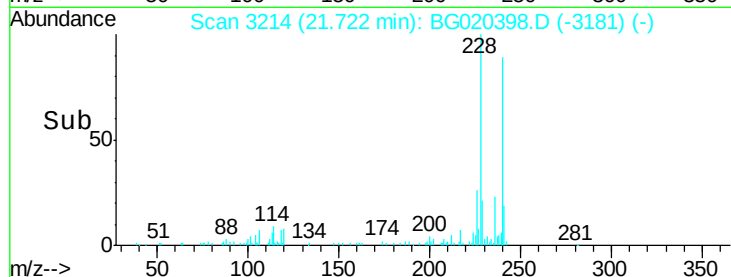
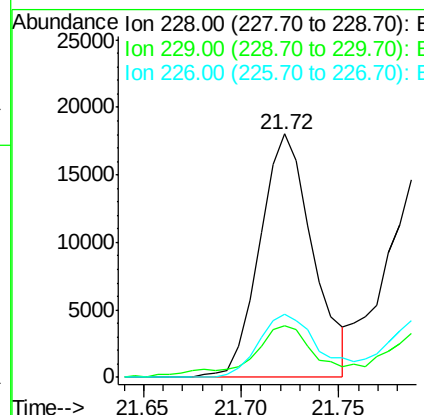
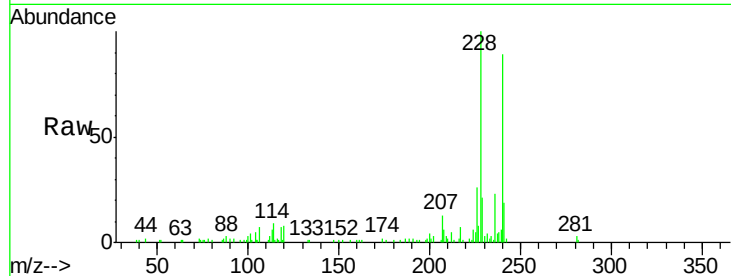




#83
Benzo(a)anthracene
Concen: 3.84 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.01 min
Lab File: BG020398.D
Acq: 22 Dec 2015 4:52

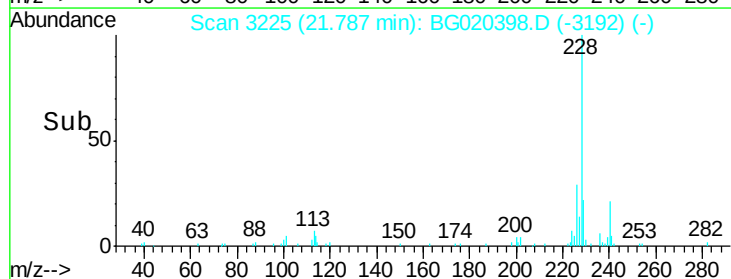
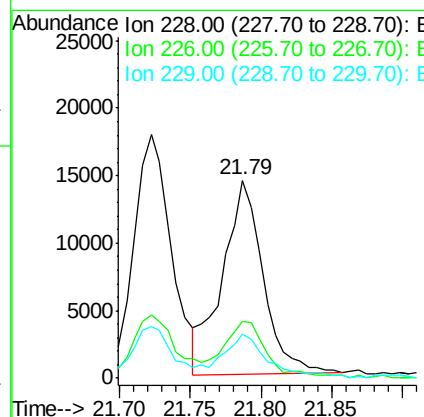
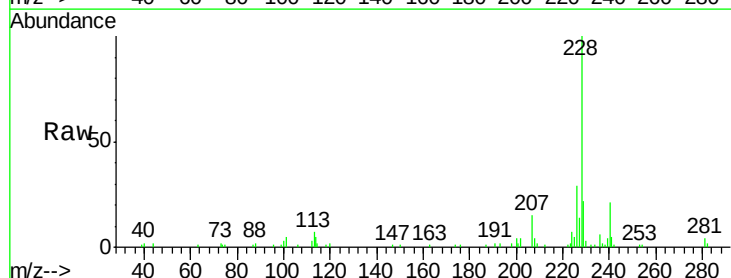
Instrument :
BNA_G
ClientSampleId :
D9N48DL

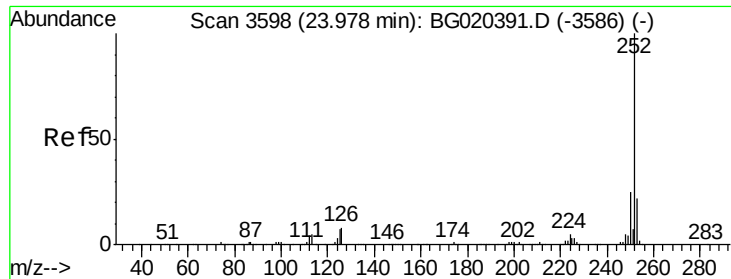
Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.8	23.8
226	25.7	21.8	32.6



#85
Chrysene
Concen: 3.47 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.01 min
Lab File: BG020398.D
Acq: 22 Dec 2015 4:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.9	35.9
229	22.1	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 1.85 ng/ul

RT: 23.98 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BG020398.D

Acq: 22 Dec 2015 4:52

Instrument :

BNA_G

ClientSampleId :

D9N48DL

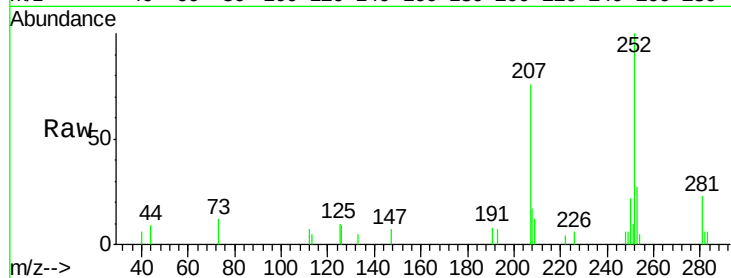
Tgt Ion:252 Resp: 12914

Ion Ratio Lower Upper

252 100

253 26.9 16.7 25.1#

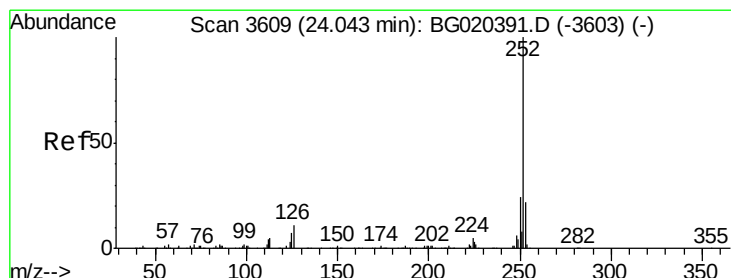
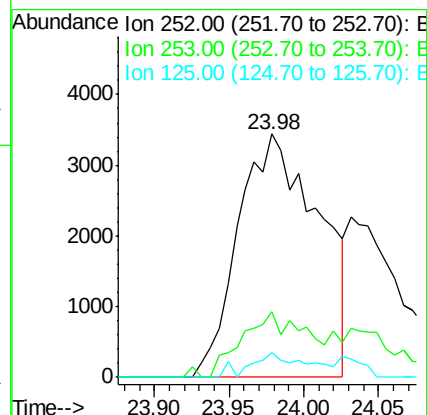
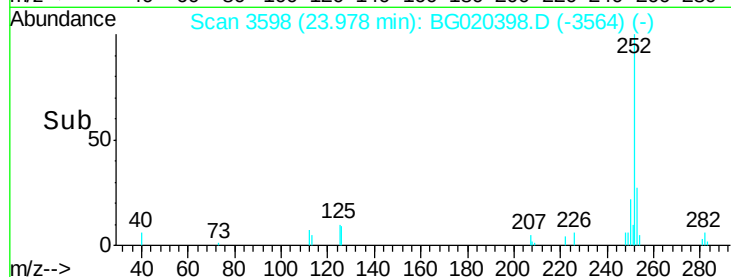
125 10.4 6.2 9.2#



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: 1.93 ng/ul

RT: 23.98 min Scan# 3598

Delta R.T. -0.06 min

Lab File: BG020398.D

Acq: 22 Dec 2015 4:52

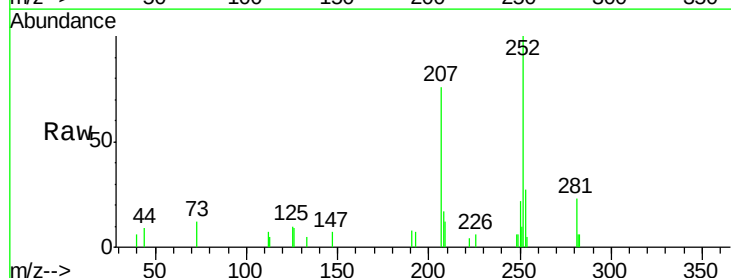
Tgt Ion:252 Resp: 12914

Ion Ratio Lower Upper

252 100

253 26.9 17.9 26.9#

125 10.4 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

