

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
 Data File : BG020399.D
 Acq On : 22 Dec 2015 5:31
 Operator : UM/SJ
 Sample : G4848-03DL 30X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N49DL

Quant Time: Dec 22 07:17:04 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	16440	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	72400	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	47818	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	120848	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	153903	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	112823	20.00	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.26	99	753	0.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	553	0.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	662	0.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.81	113	226	0.18	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	293	0.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	122	0.19	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.53	165	625	0.49	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	709	0.50	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	3097	0.80	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	3988	0.89	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	3424	0.98	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.56	188	6069	1.09	ng/ul	0.00
79) Pyrene-d10	19.85	212	6345	0.88	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	4173	0.74	ng/ul	-0.01

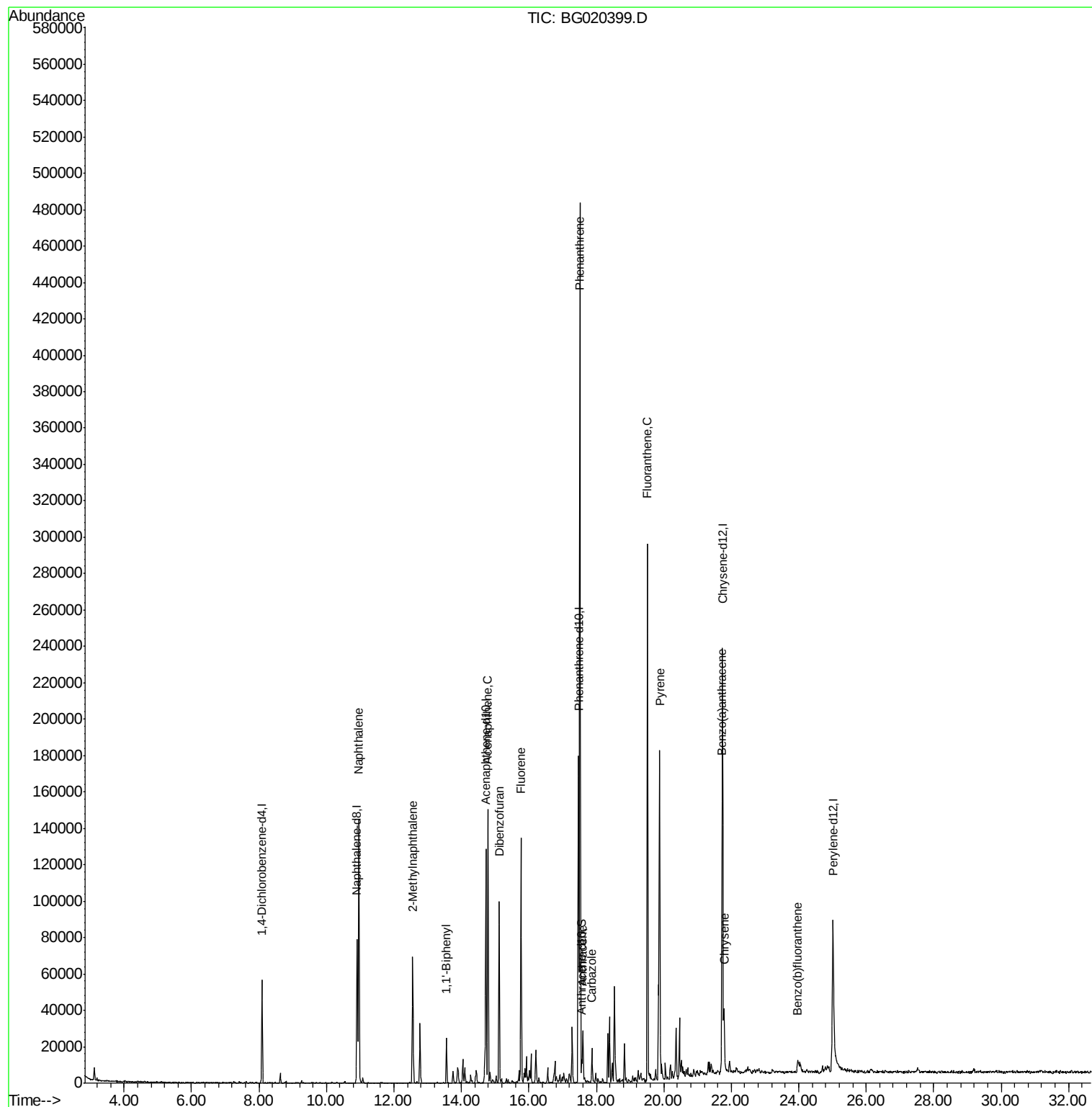
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	10.96	128	125760	33.26	ng/ul	98
34) 2-Methylnaphthalene	12.56	142	35138	12.17	ng/ul	94
41) 1,1'-Biphenyl	13.56	154	14156	3.92	ng/ul	93
50) Acenaphthene	14.78	153	65843	20.47	ng/ul	99
54) Dibenzofuran	15.12	168	69604	14.55	ng/ul	98
59) Fluorene	15.77	166	65380	17.01	ng/ul	98
70) Phenanthrene	17.51	178	316748	47.92	ng/ul	99
72) Anthracene	17.60	178	20564	3.07	ng/ul	95
75) Carbazole	17.87	167	14528	2.58	ng/ul	97
77) Fluoranthene	19.51	202	199617	25.84	ng/ul	99
80) Pyrene	19.88	202	129582	13.91	ng/ul	97
83) Benzo(a)anthracene	21.72	228	29890	3.33	ng/ul	96
85) Chrysene	21.79	228	23142	2.74	ng/ul	95
88) Benzo(b)fluoranthene	23.97	252	11779	1.73	ng/ul#	97

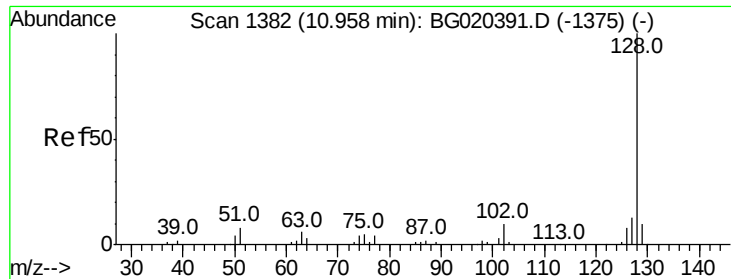
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 22 05:02:37 2015
Response via : Initial Calibration





#28

Naphthalene

Concen: 33.26 ng/ul

RT: 10.96 min Scan# 1382

Delta R.T. 0.00 min

Lab File: BG020399.D

Acq: 22 Dec 2015 5:31

Instrument :

BNA_G

ClientSampleId :

D9N49DL

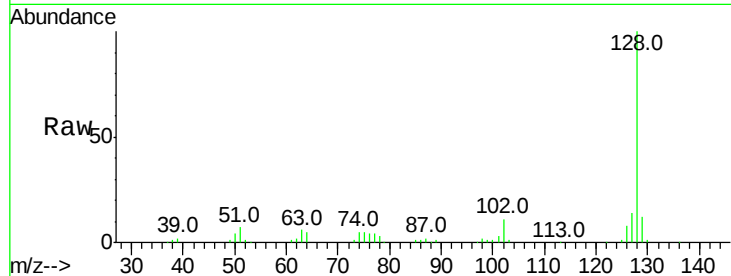
Tot Ion:128 Resp: 125760

Ion Ratio Lower Upper

128 100

129 11.6 8.6 12.8

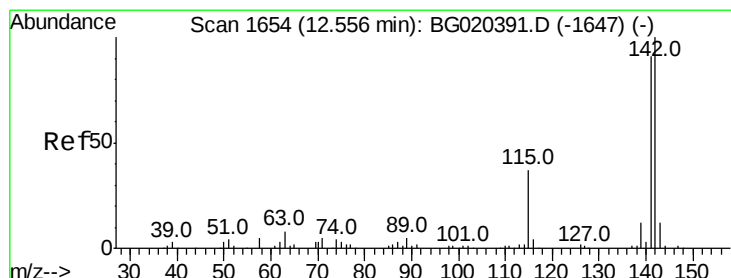
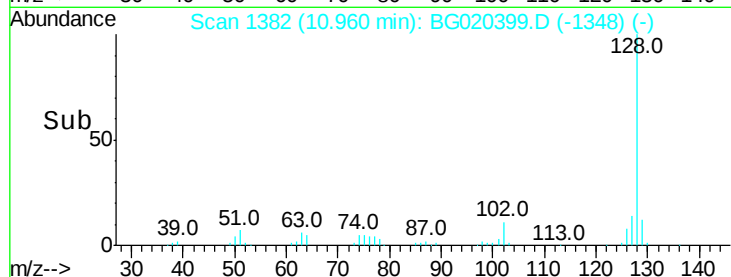
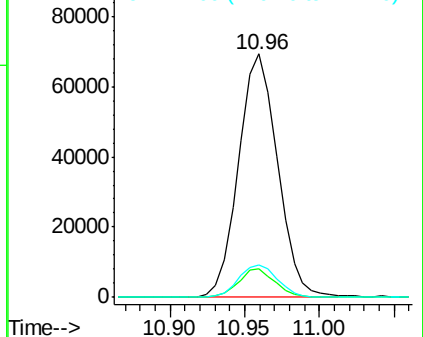
127 13.5 10.1 15.1



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



#34

2-Methylnaphthalene

Concen: 12.17 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. 0.00 min

Lab File: BG020399.D

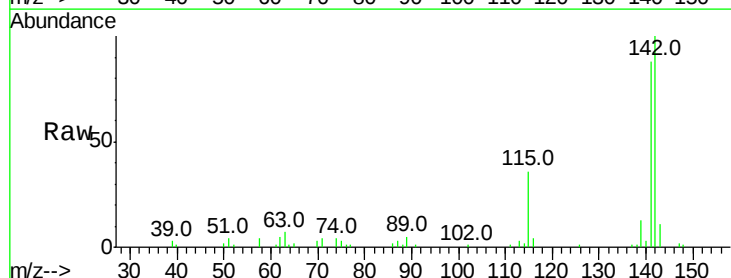
Acq: 22 Dec 2015 5:31

Tgt Ion:142 Resp: 35138

Ion Ratio Lower Upper

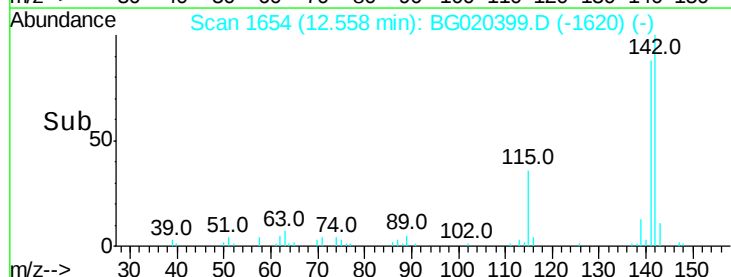
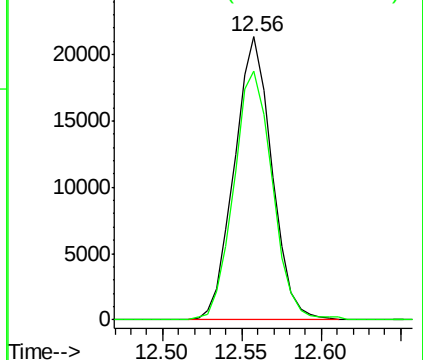
142 100

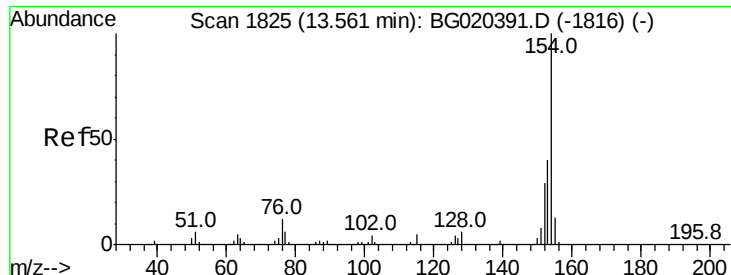
141 88.1 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

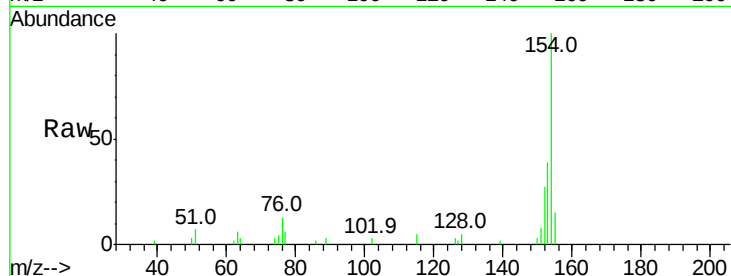




#41
 1,1'-Biphenyl
 Concen: 3.92 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG020399.D
 Acq: 22 Dec 2015 5:31

Instrument :
 BNA_G
 ClientSampleId :
 D9N49DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.1	35.5	53.3
76	12.6	10.4	15.6

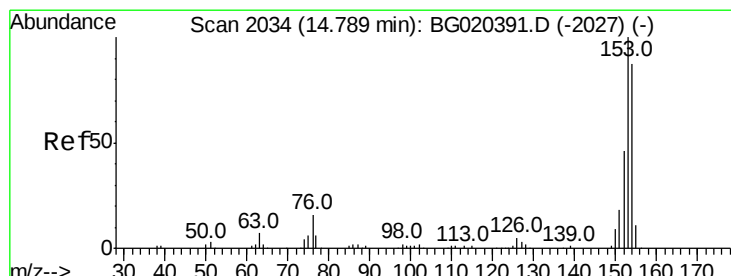
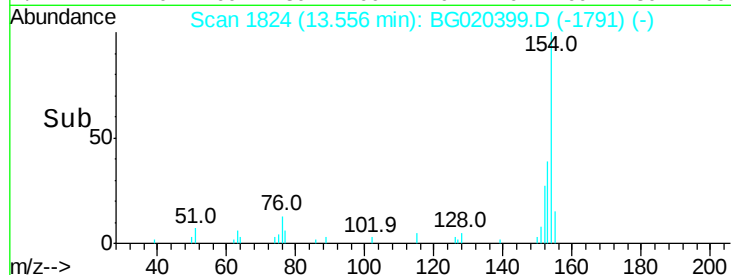
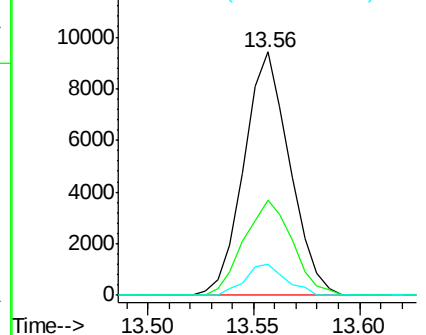


Abundance

Ion 154.00 (153.70 to 154.70): E

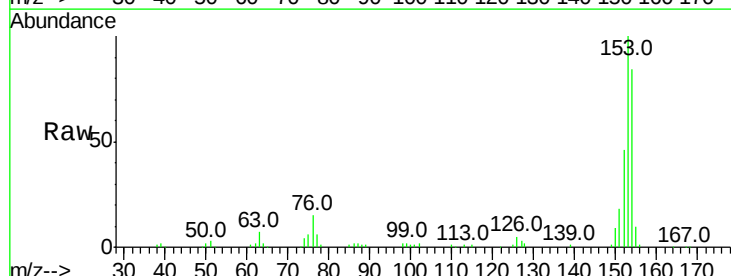
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B



#50
 Acenaphthene
 Concen: 20.47 ng/ul
 RT: 14.78 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: BG020399.D
 Acq: 22 Dec 2015 5:31

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.2	37.6	56.4
154	83.7	67.9	101.9

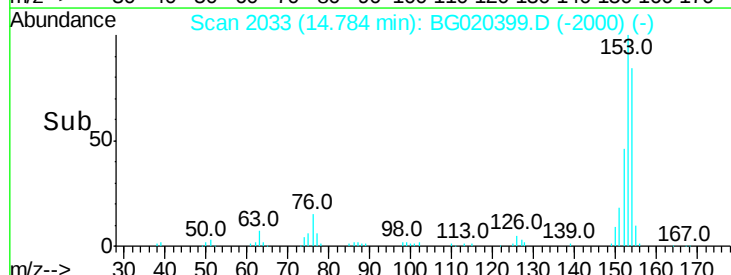
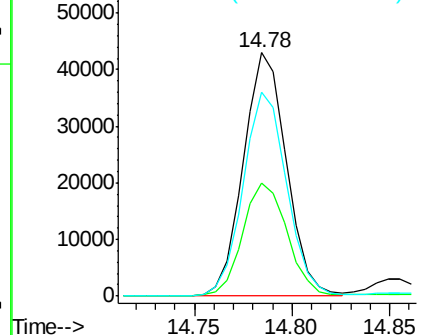


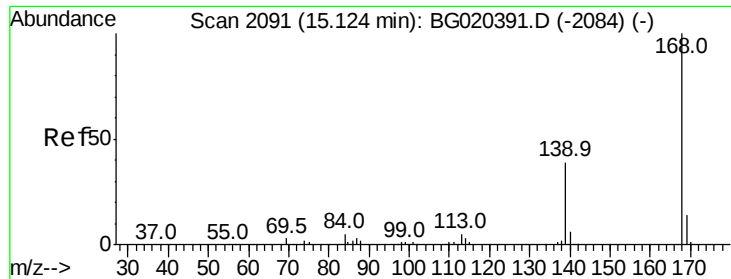
Abundance

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

Dibenzenofuran

Concen: 14.55 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BG020399.D

Acq: 22 Dec 2015 5:31

Instrument :

BNA_G

ClientSampleId :

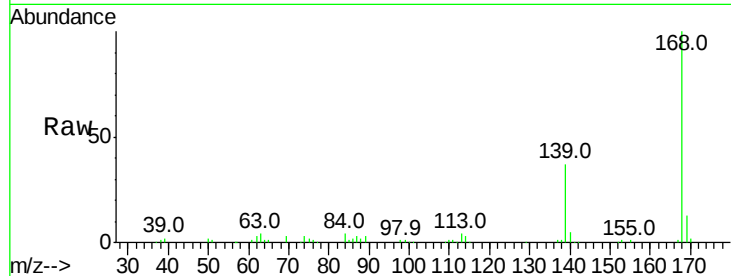
D9N49DL

Tot Ion:168 Resp: 69604

Ion Ratio Lower Upper

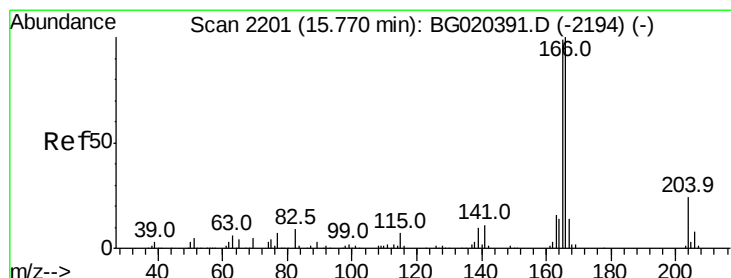
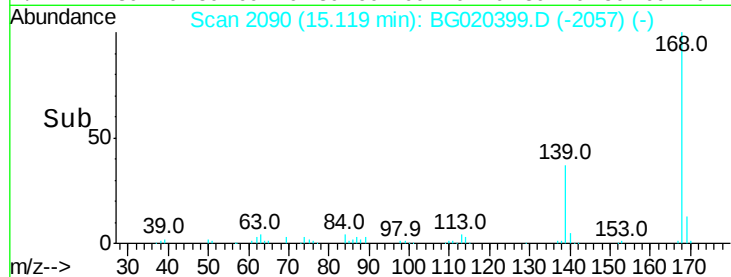
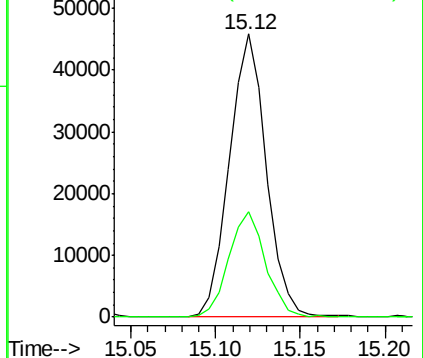
168 100

139 37.2 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: 17.01 ng/ul

RT: 15.77 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BG020399.D

Acq: 22 Dec 2015 5:31

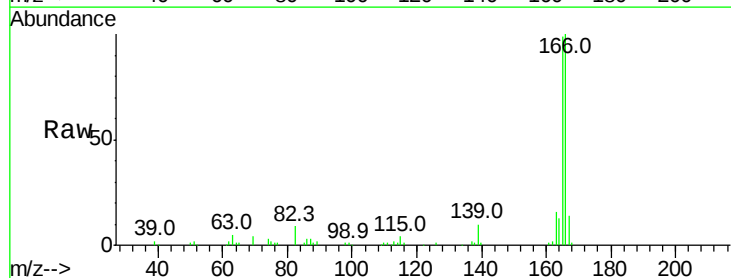
Tgt Ion:166 Resp: 65380

Ion Ratio Lower Upper

166 100

165 99.2 81.4 122.0

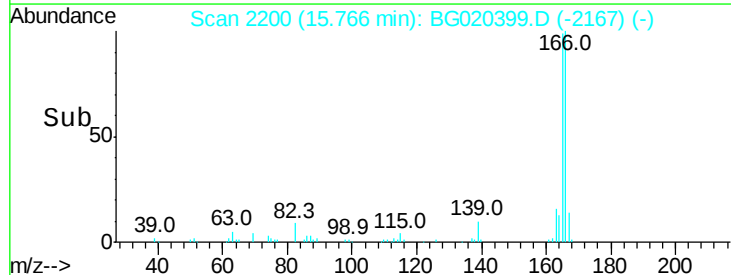
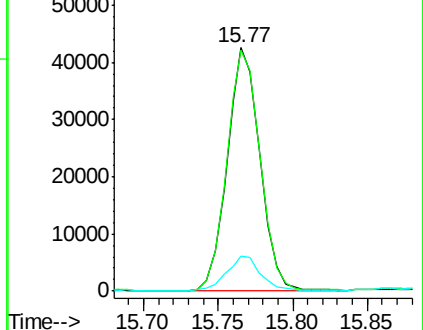
167 14.4 11.2 16.8

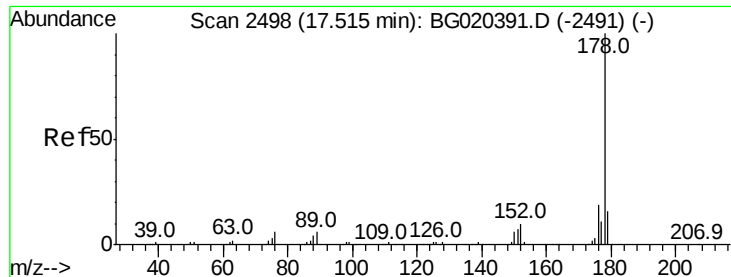


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 47.92 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BG020399.D

Acq: 22 Dec 2015 5:31

Instrument :

BNA_G

ClientSampleId :

D9N49DL

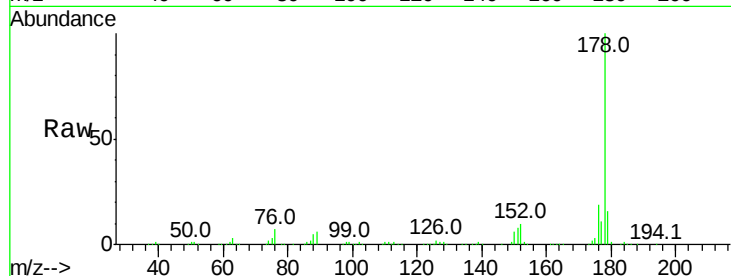
Tot Ion:178 Resp: 316748

Ion Ratio Lower Upper

178 100

179 15.6 12.9 19.3

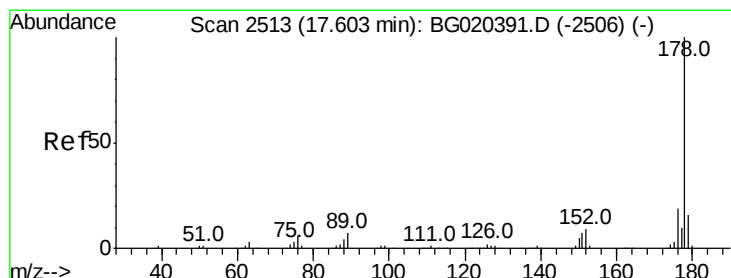
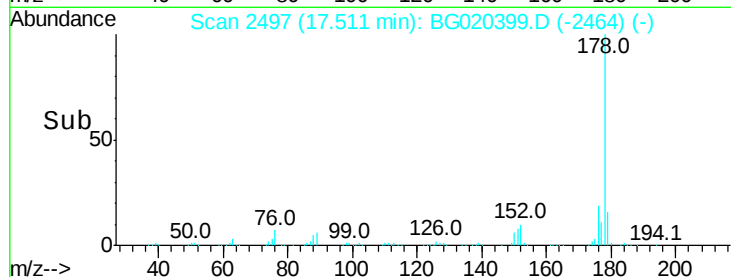
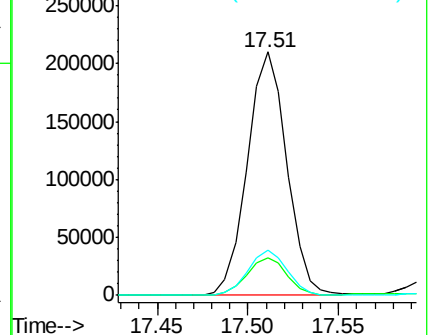
176 18.7 15.3 22.9



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: 3.07 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG020399.D

Acq: 22 Dec 2015 5:31

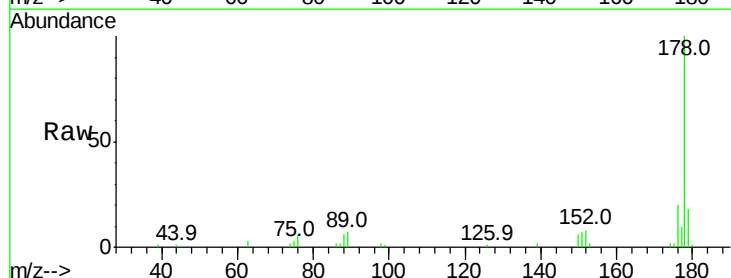
Tgt Ion:178 Resp: 20564

Ion Ratio Lower Upper

178 100

179 17.8 12.3 18.5

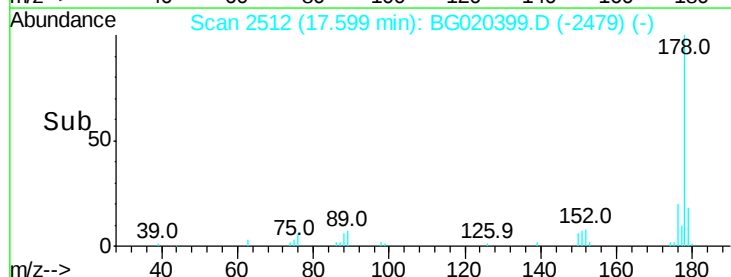
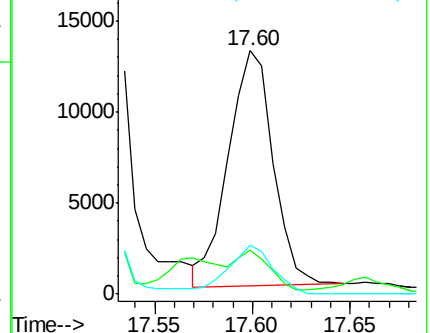
176 19.9 14.3 21.5

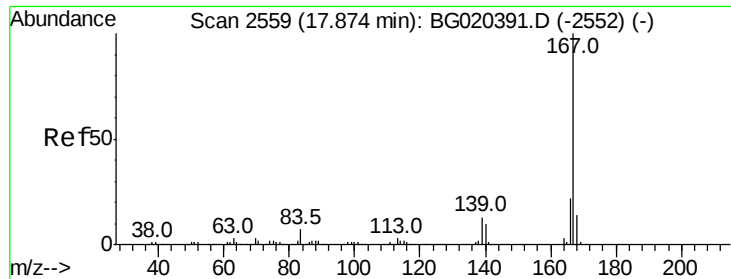


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.58 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020399.D

Acq: 22 Dec 2015 5:31

Instrument :

BNA_G

ClientSampleId :

D9N49DL

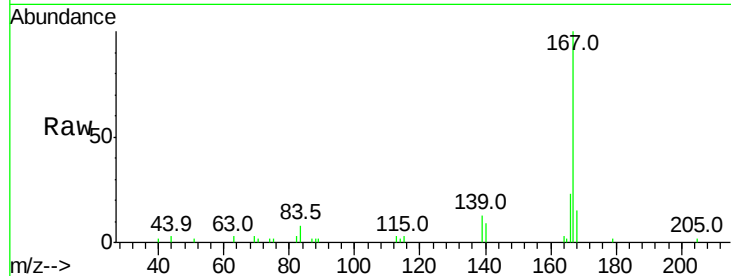
Tot Ion:167 Resp: 14528

Ion Ratio Lower Upper

167 100

166 23.1 17.0 25.6

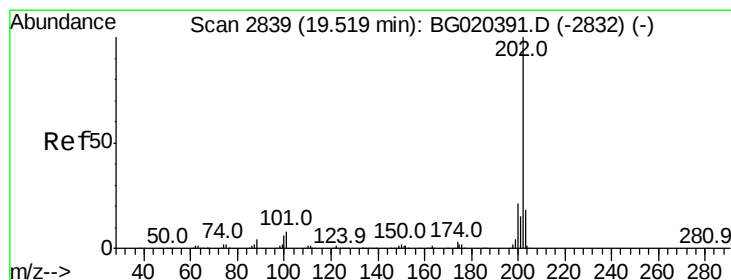
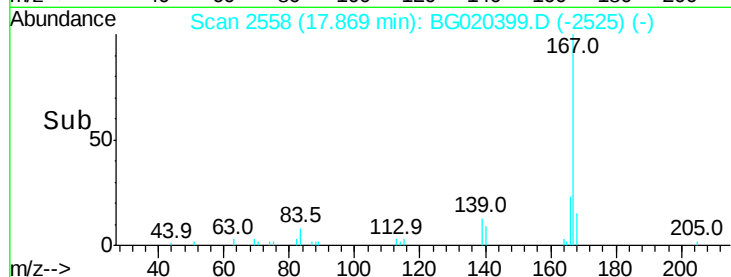
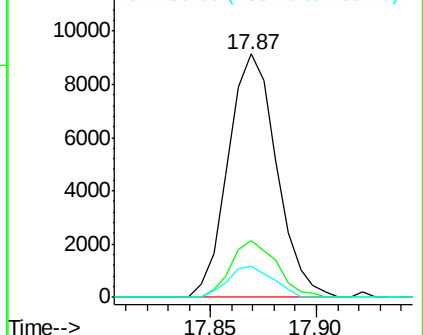
139 12.8 10.1 15.1



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: 25.84 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG020399.D

Acq: 22 Dec 2015 5:31

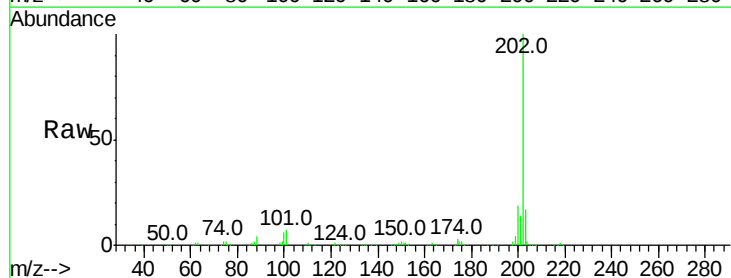
Tgt Ion:202 Resp: 199617

Ion Ratio Lower Upper

202 100

101 7.5 6.2 9.4

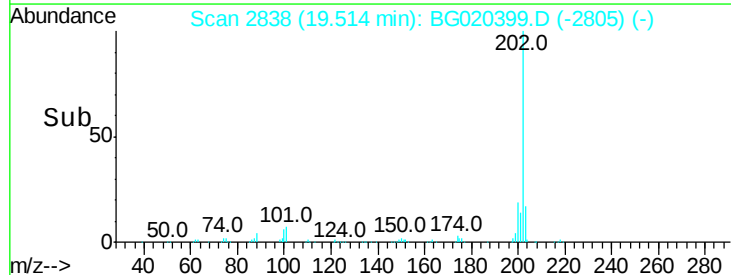
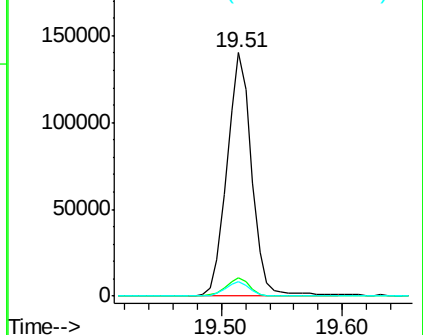
100 5.7 5.1 7.7

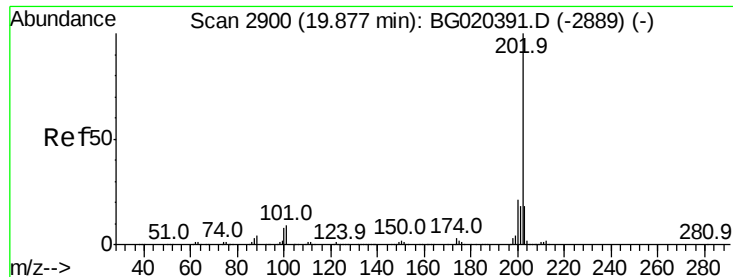


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

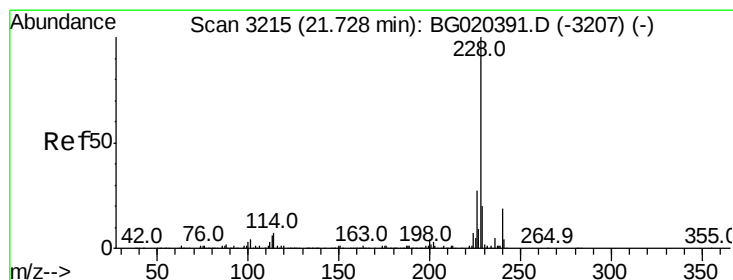
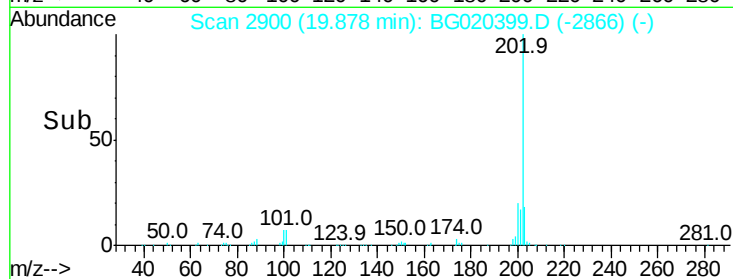
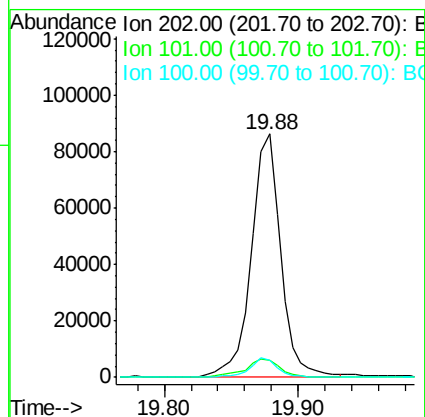
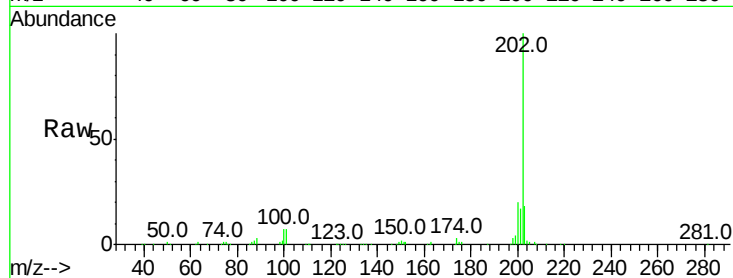




#80
Pvrene
Concen: 13.91 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. 0.00 min
Lab File: BG020399.D
Acq: 22 Dec 2015 5:31

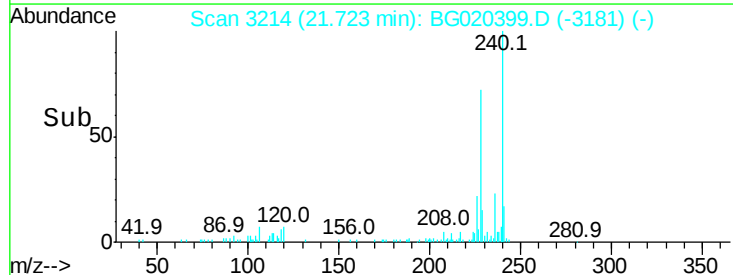
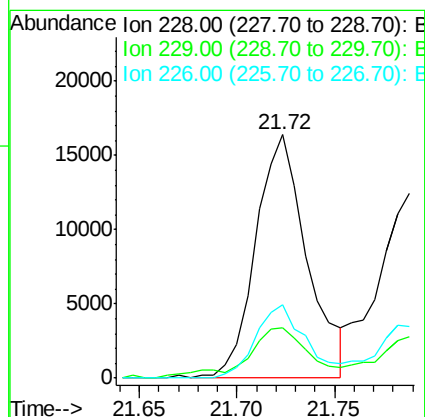
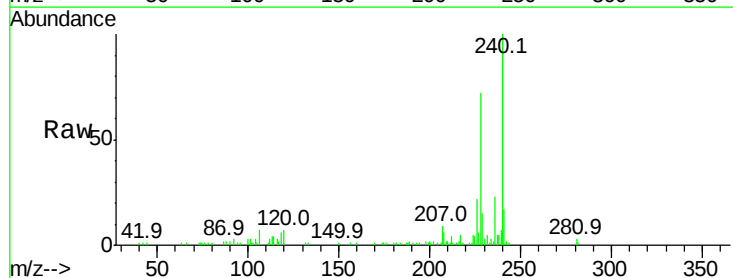
Instrument :
BNA_G
ClientSampleId :
D9N49DL

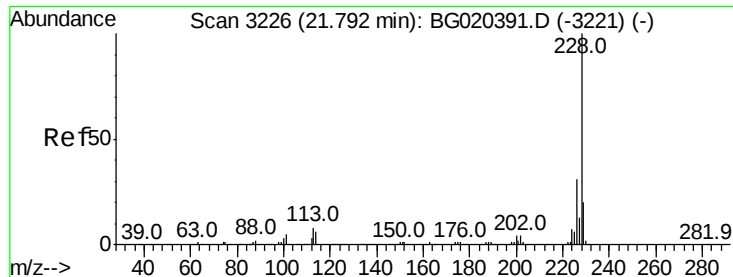
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.2	7.0	10.4
100	7.1	6.4	9.6



#83
Benzo(a)anthracene
Concen: 3.33 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.00 min
Lab File: BG020399.D
Acq: 22 Dec 2015 5:31

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.8
226	30.0	21.8	32.6





#85

Chrysene

Concen: 2.74 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BG020399.D

Acq: 22 Dec 2015 5:31

Instrument :

BNA_G

ClientSampleId :

D9N49DL

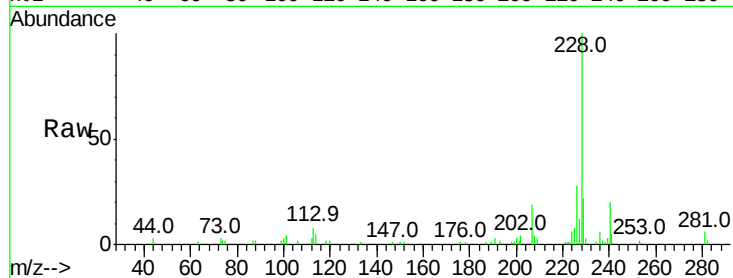
Tot Ion:228 Resp: 23142

Ion Ratio Lower Upper

228 100

226 27.7 23.9 35.9

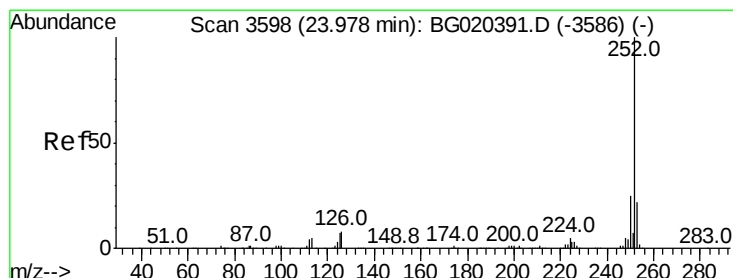
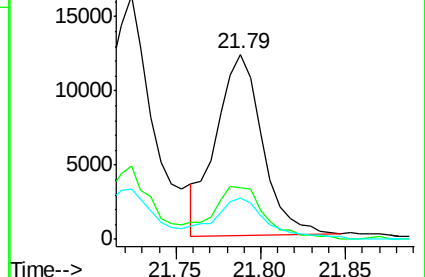
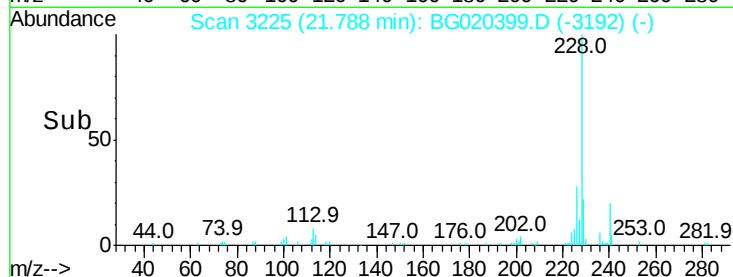
229 22.5 15.6 23.4



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: 1.73 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. -0.00 min

Lab File: BG020399.D

Acq: 22 Dec 2015 5:31

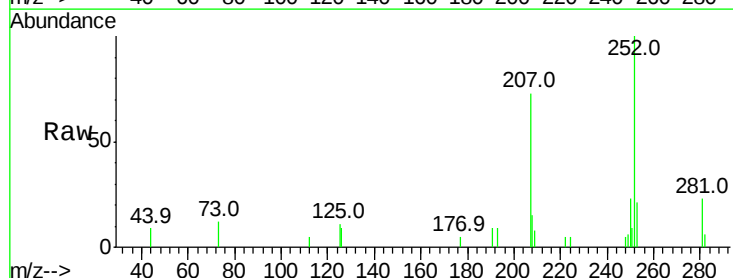
Tgt Ion:252 Resp: 11779

Ion Ratio Lower Upper

252 100

253 20.8 16.7 25.1

125 11.5 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

