

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
 Data File : BG020406.D
 Acq On : 22 Dec 2015 10:04
 Operator : UM/SJ
 Sample : G4848-17DL 30X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63DL

Quant Time: Dec 22 14:07:08 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	16777	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	73095	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	54098	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	126379	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	161554	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	143642	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.25	99	820	0.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	626	0.71	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.63	132	622	0.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.81	113	704	0.56	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	163	0.29	ng/ul	0.00
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	10.53	165	1039	0.81	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	1257	0.87	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	4575	1.05	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	5247	1.03	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.72	176	4277	1.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.57	188	6316m	1.08	ng/ul	0.00
79) Pyrene-d10	19.85	212	7697	1.02	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	7391	1.03	ng/ul	0.00

Target Compounds

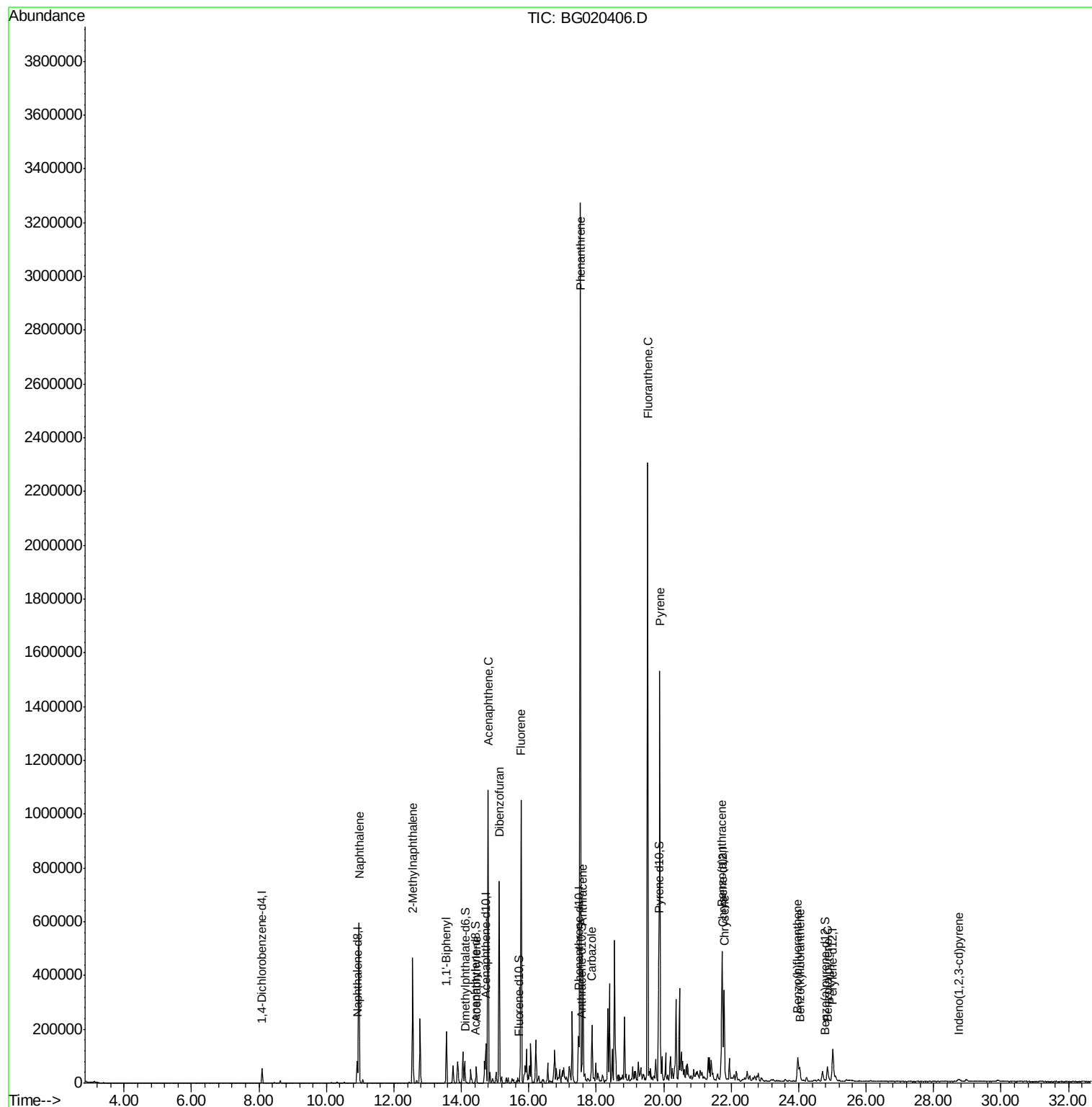
						Ovalue
28) Naphthalene	10.96	128	520329	136.31	ng/ul	98
34) 2-Methylnaphthalene	12.56	142	223255	76.57	ng/ul	97
41) 1,1'-Biphenyl	13.56	154	105414	25.83	ng/ul	96
48) Acenaphthylene	14.44	152	29916	5.53	ng/ul#	95
50) Acenaphthene	14.79	153	478423	131.47	ng/ul	99
54) Dibenzofuran	15.12	168	501131	92.57	ng/ul	100
59) Fluorene	15.77	166	503486	115.82	ng/ul	97
70) Phenanthrene	17.53	178	2185397m	316.14	ng/ul	
72) Anthracene	17.60	178	289074	41.23	ng/ul	99
75) Carbazole	17.87	167	140950	23.93	ng/ul	98
77) Fluoranthene	19.52	202	1551388	192.03	ng/ul	97
80) Pyrene	19.88	202	1117529	114.29	ng/ul	99
83) Benzo(a)anthracene	21.72	228	287922	30.54	ng/ul	99
85) Chrysene	21.79	228	249992	28.16	ng/ul	98
88) Benzo(b)fluoranthene	23.97	252	125604	14.53	ng/ul	97
89) Benzo(k)fluoranthene	24.03	252	56181m	6.77	ng/ul	
91) Benzo(a)pyrene	24.85	252	72843m	8.89	ng/ul	
92) Indeno(1,2,3-cd)pyrene	28.74	276	18436m	1.89	ng/ul	

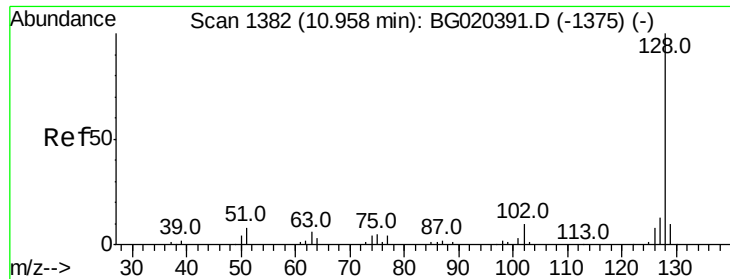
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 136.31 ng/ul

RT: 10.96 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BG020406.D

Acq: 22 Dec 2015 10:04

Instrument :

BNA_G

ClientSampleId :

D9N63DL

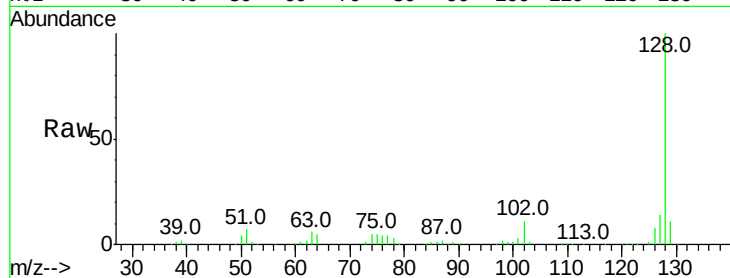
Tot Ion:128 Resp: 520329

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

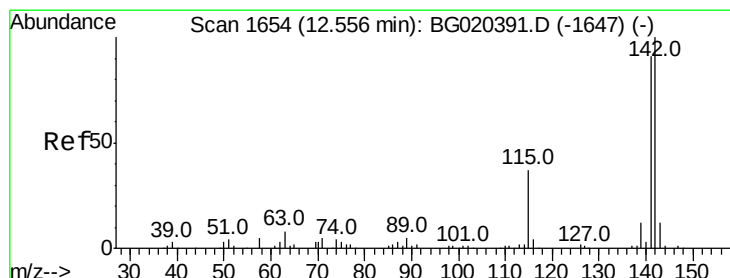
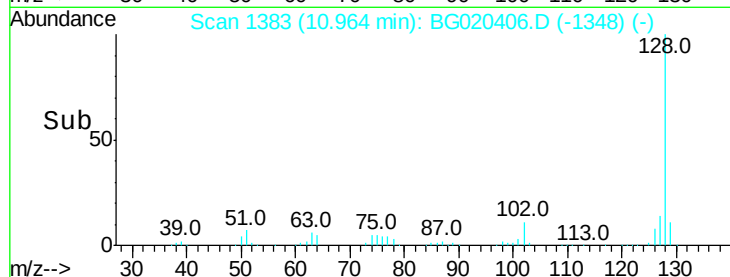
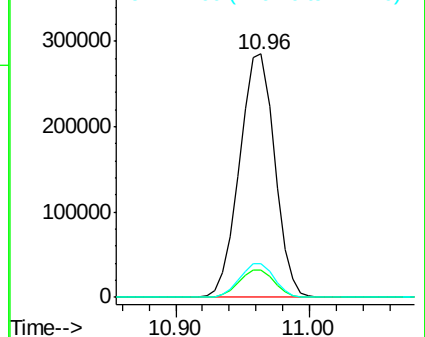
127 13.8 10.1 15.1



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: 76.57 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. 0.00 min

Lab File: BG020406.D

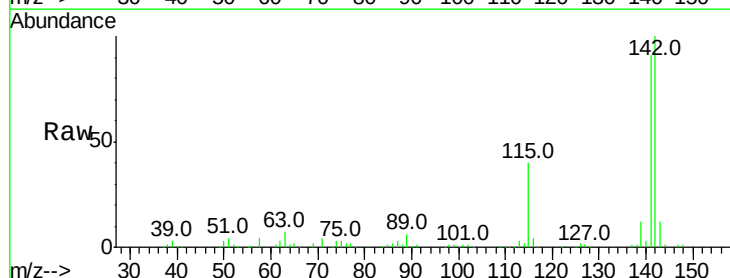
Acq: 22 Dec 2015 10:04

Tgt Ion:142 Resp: 223255

Ion Ratio Lower Upper

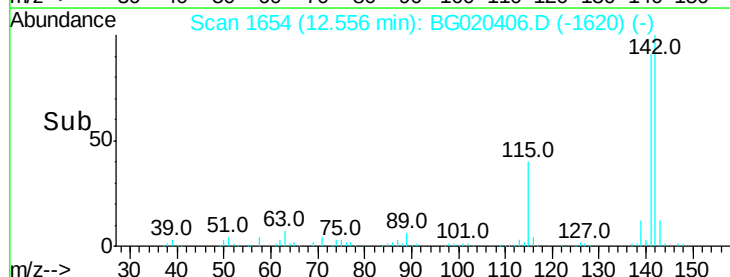
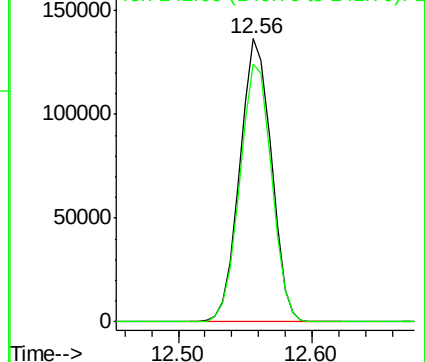
142 100

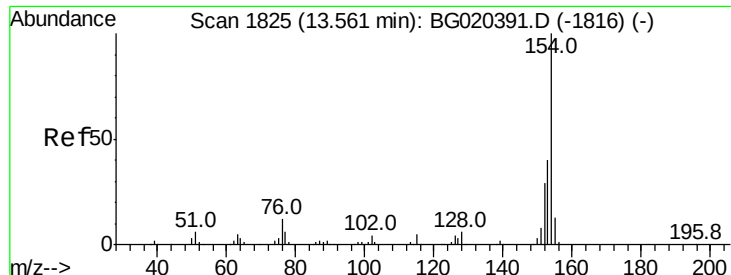
141 91.2 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

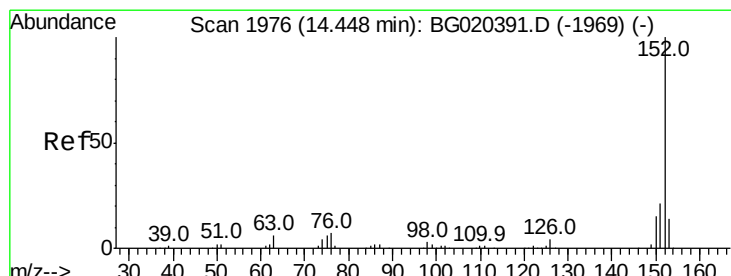
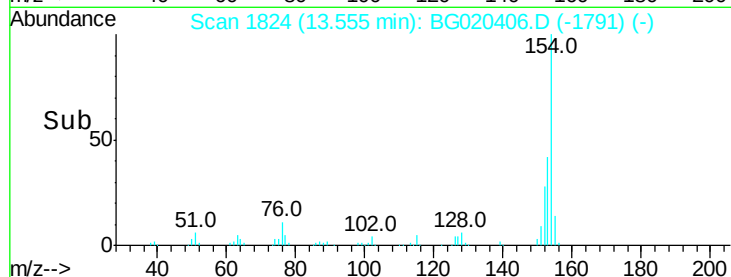
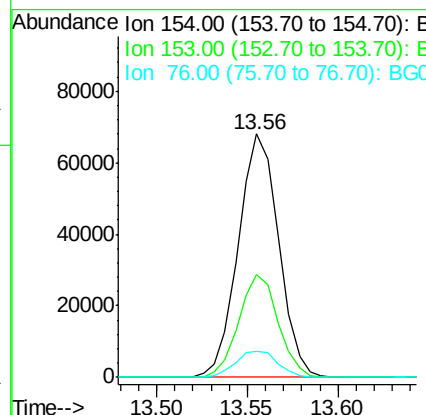
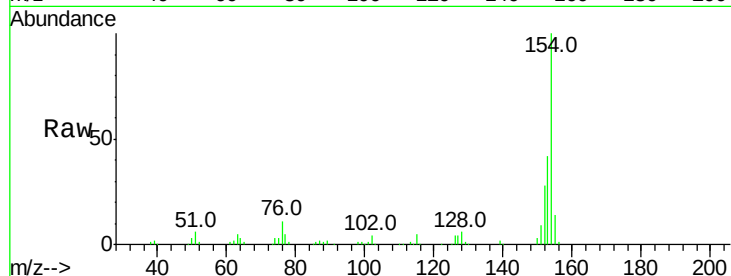




#41
 1,1'-Biphenyl
 Concen: 25.83 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BG020406.D
 Acq: 22 Dec 2015 10:04

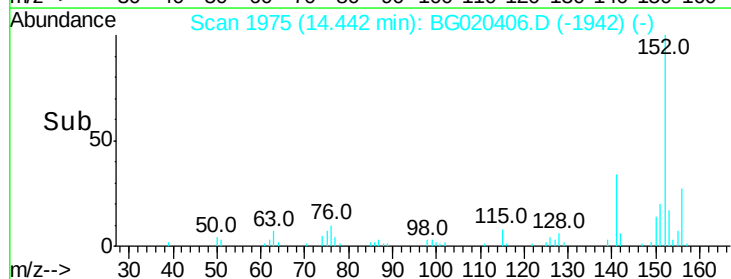
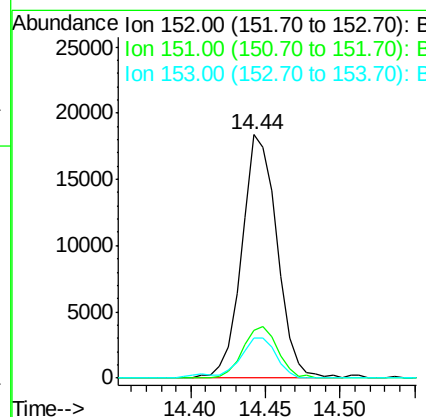
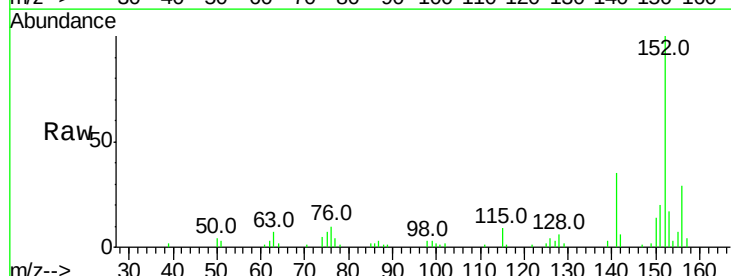
Instrument :
 BNA_G
 ClientSampleId :
 D9N63DL

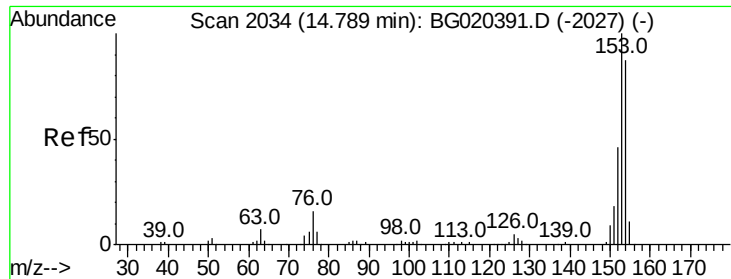
Tot Ion	Ratio	Lower	Upper
154	100		
153	42.0	35.5	53.3
76	10.9	10.4	15.6



#48
 Acenaphthylene
 Concen: 5.53 ng/ul
 RT: 14.44 min Scan# 1975
 Delta R.T. -0.01 min
 Lab File: BG020406.D
 Acq: 22 Dec 2015 10:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.4	24.6
153	16.7	10.4	15.6#





#50

Acenaphthene

Concen: 131.47 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020406.D

Acq: 22 Dec 2015 10:04

Instrument :

BNA_G

ClientSampleId :

D9N63DL

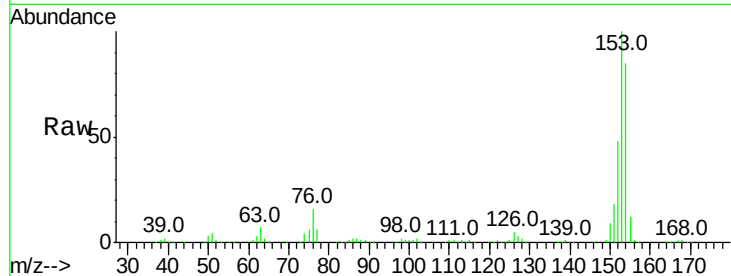
Tot Ion:153 Resp: 478423

Ion Ratio Lower Upper

153 100

152 47.7 37.6 56.4

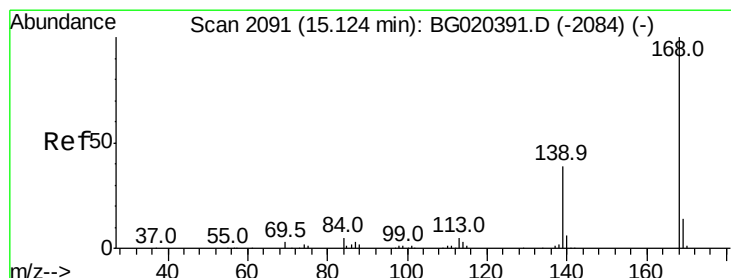
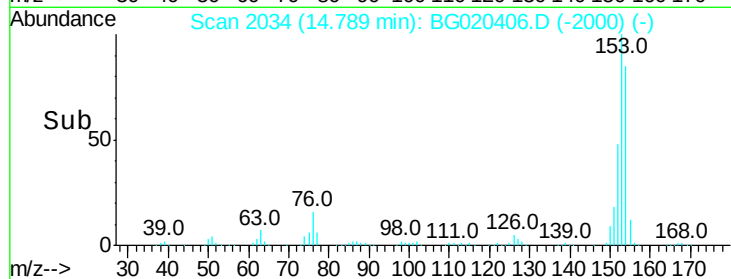
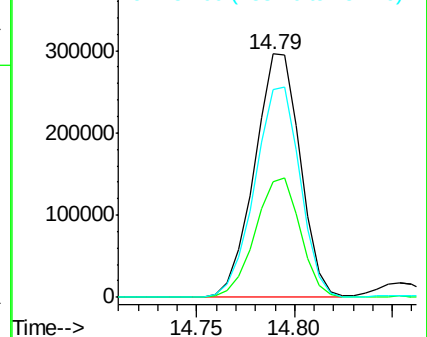
154 85.4 67.9 101.9



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: 92.57 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BG020406.D

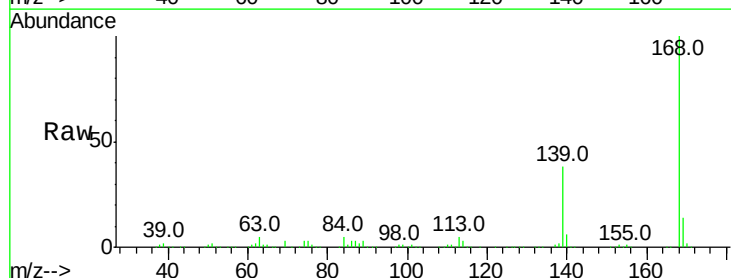
Acq: 22 Dec 2015 10:04

Tgt Ion:168 Resp: 501131

Ion Ratio Lower Upper

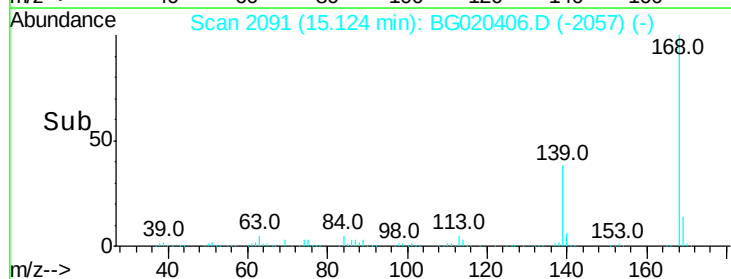
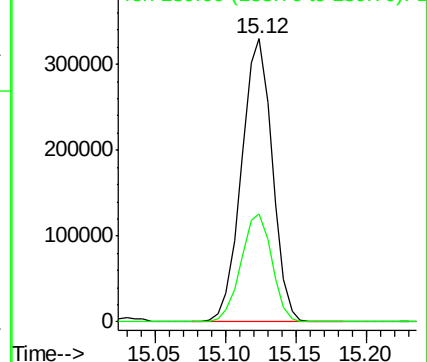
168 100

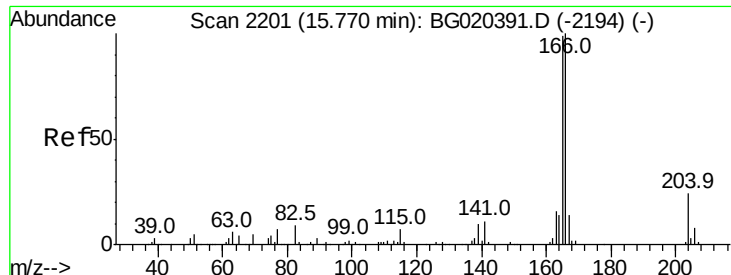
139 38.3 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 115.82 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BG020406.D

Acq: 22 Dec 2015 10:04

Instrument :

BNA_G

ClientSampleId :

D9N63DL

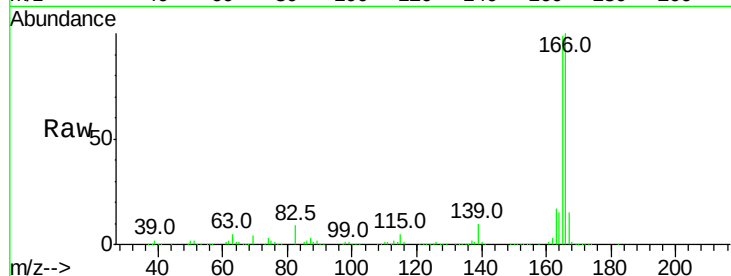
Tot Ion:166 Resp: 503486

Ion Ratio Lower Upper

166 100

165 98.7 81.4 122.0

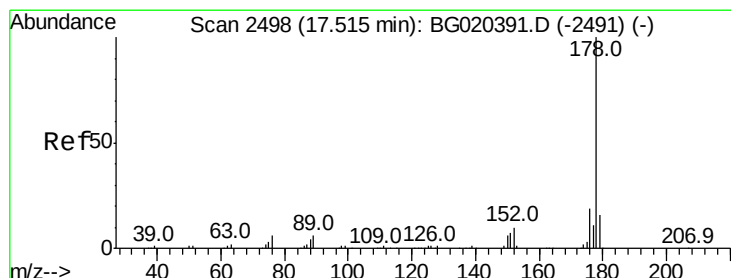
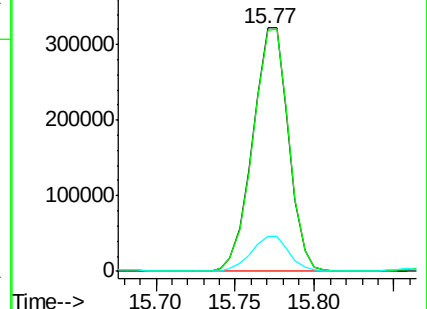
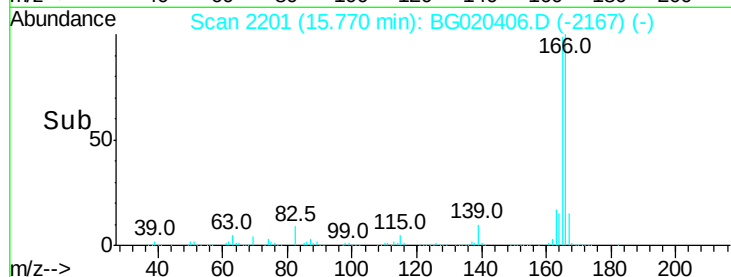
167 14.5 11.2 16.8



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: 316.14 ng/ul m

RT: 17.53 min Scan# 2500

Delta R.T. 0.01 min

Lab File: BG020406.D

Acq: 22 Dec 2015 10:04

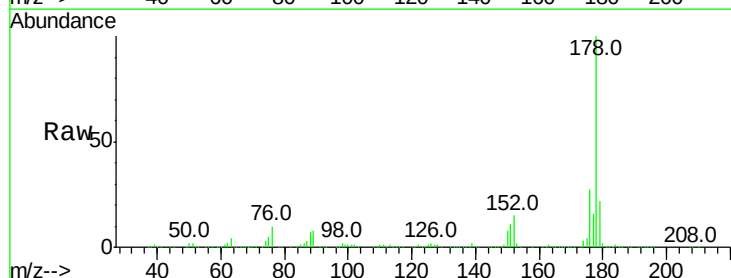
Tgt Ion:178 Resp: 2185397

Ion Ratio Lower Upper

178 100

179 21.9 12.9 19.3#

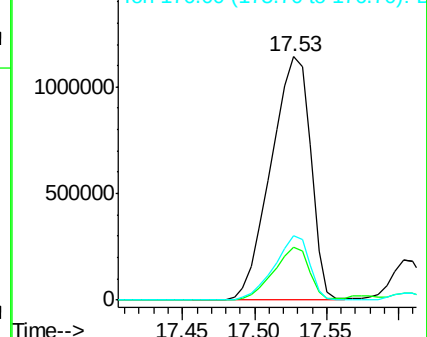
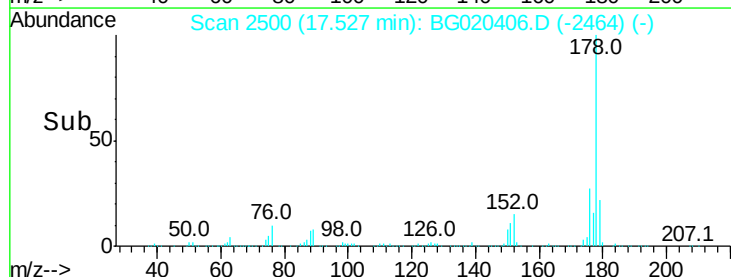
176 26.7 15.3 22.9#

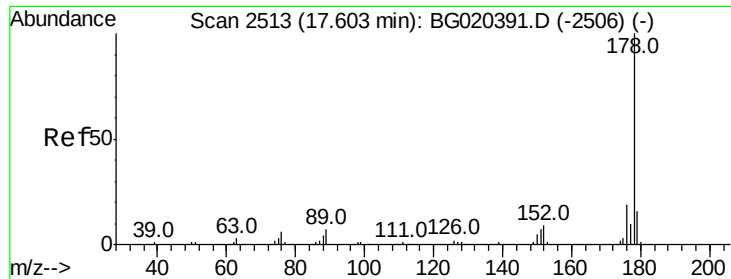


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 41.23 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020406.D

Acq: 22 Dec 2015 10:04

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ClientSampleId :

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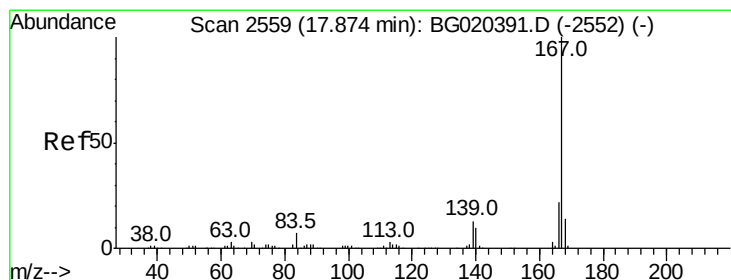
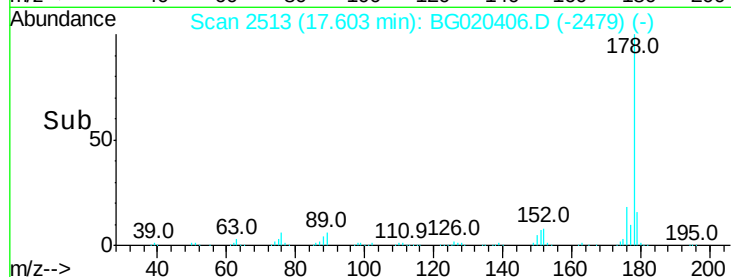
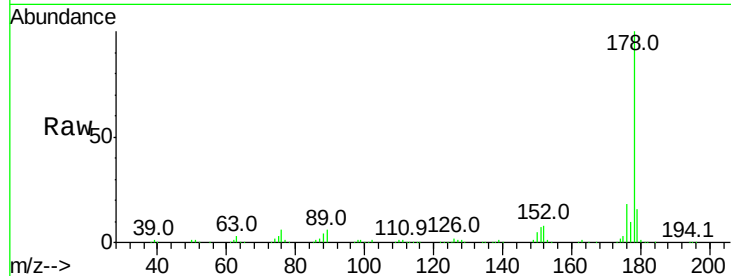
Tot Ion:178 Resp: 289074

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.3	18.5
176	18.3	14.3	21.5

178 100

179 16.1 12.3 18.5

176 18.3 14.3 21.5



#75

Carbazole

Concen: 23.93 ng/ul

RT: 17.87 min Scan# 2559

Delta R.T. 0.00 min

Lab File: BG020406.D

Acq: 22 Dec 2015 10:04

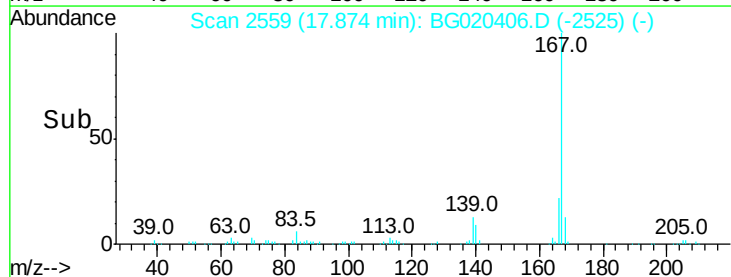
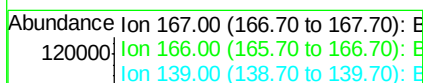
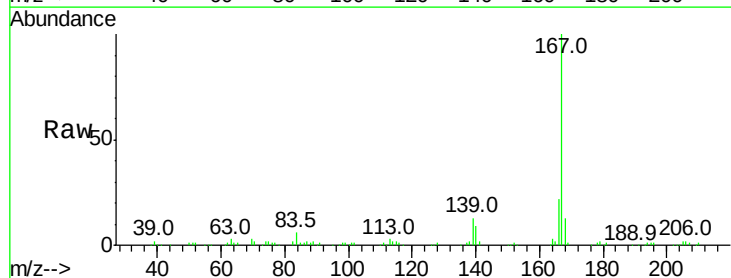
Tgt Ion:167 Resp: 140950

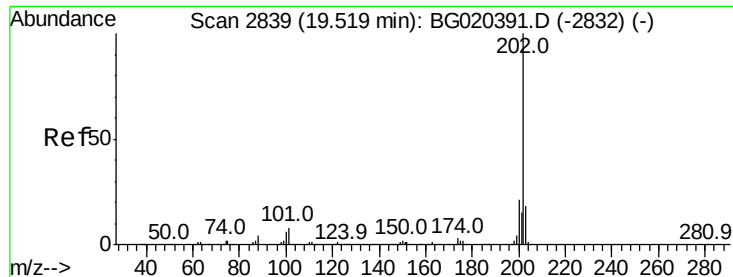
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.0	25.6
139	13.2	10.1	15.1

167 100

166 22.1 17.0 25.6

139 13.2 10.1 15.1

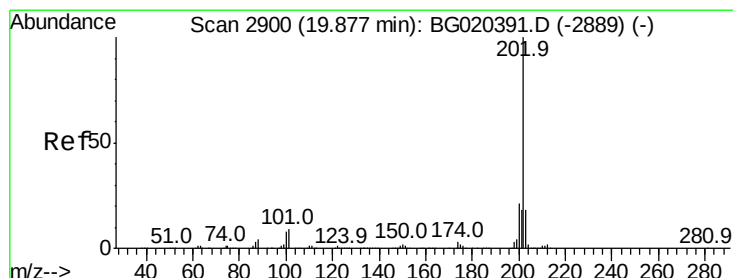
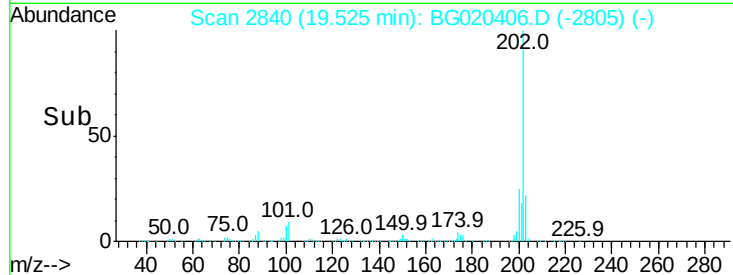
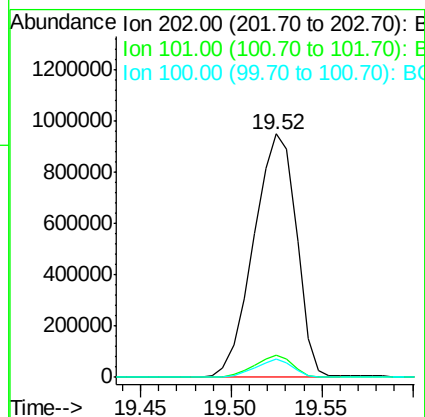
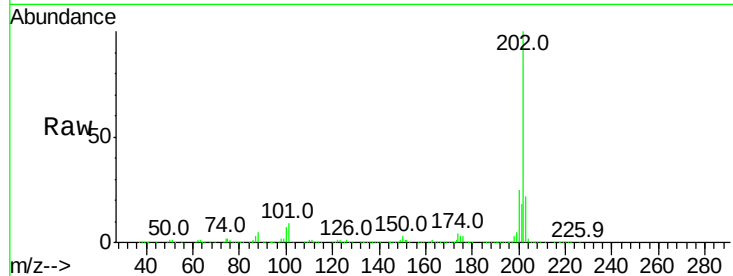




#77
 Fluoranthene
 Concen: 192.03 ng/ul
 RT: 19.52 min Scan# 2840
 Delta R.T. 0.01 min
 Lab File: BG020406.D
 Acq: 22 Dec 2015 10:04

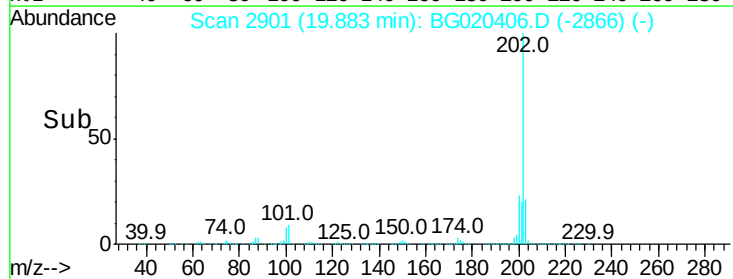
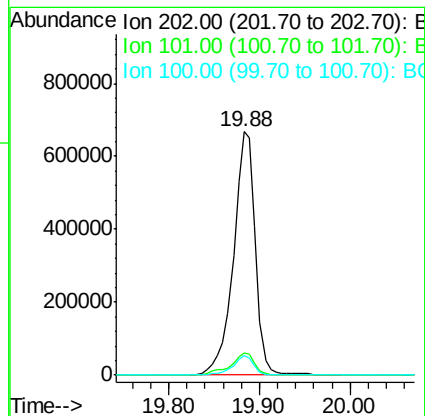
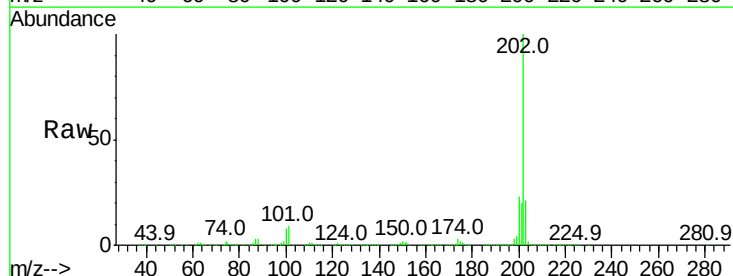
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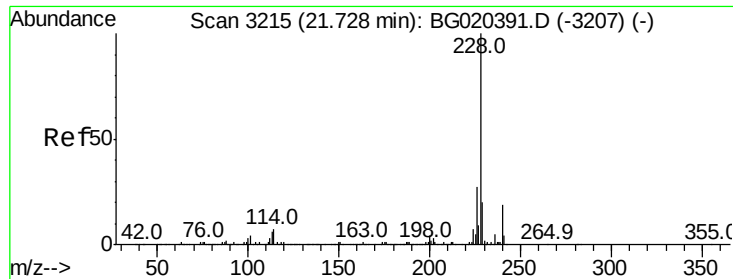
Tot Ion:202 Resp: 1551388
 Ion Ratio Lower Upper
 202 100
 101 9.1 6.2 9.4
 100 7.3 5.1 7.7



#80
 Pyrene
 Concen: 114.29 ng/ul
 RT: 19.88 min Scan# 2901
 Delta R.T. 0.01 min
 Lab File: BG020406.D
 Acq: 22 Dec 2015 10:04

Tgt Ion:202 Resp: 1117529
 Ion Ratio Lower Upper
 202 100
 101 9.3 7.0 10.4
 100 8.1 6.4 9.6





#83

Benzo(a)anthracene

Concen: 30.54 ng/ul

RT: 21.72 min Scan# 3214

Delta R.T. -0.01 min

Lab File: BG020406.D

Acq: 22 Dec 2015 10:04

Instrument :

BNA_G

ClientSampleId :

D9N63DL

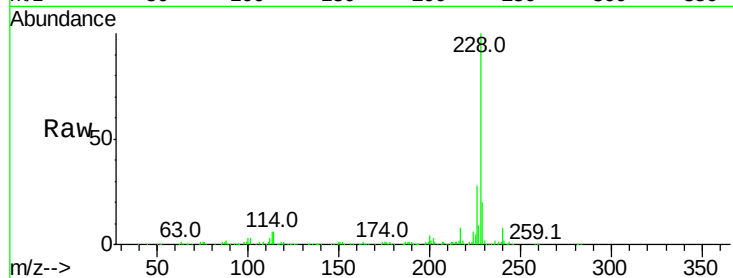
Tot Ion:228 Resp: 287922

Ion Ratio Lower Upper

228 100

229 19.9 15.8 23.8

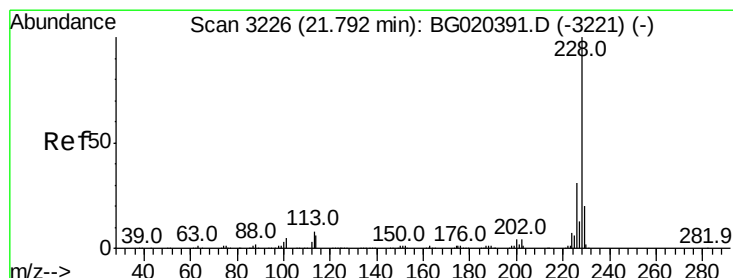
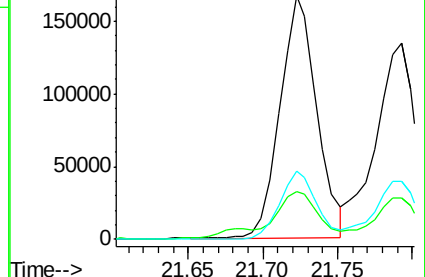
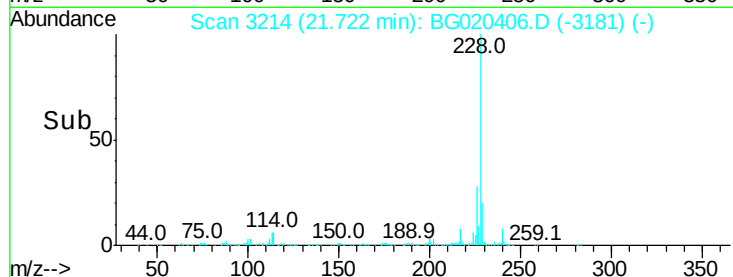
226 27.8 21.8 32.6



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: 28.16 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. 0.00 min

Lab File: BG020406.D

Acq: 22 Dec 2015 10:04

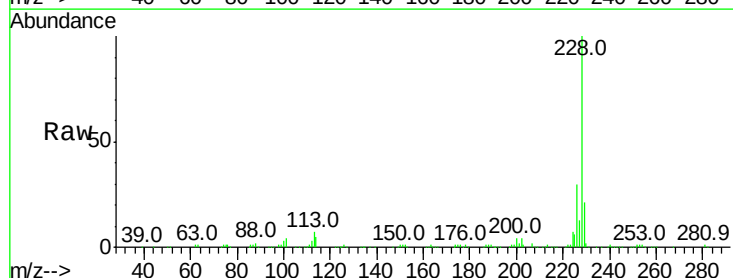
Tgt Ion:228 Resp: 249992

Ion Ratio Lower Upper

228 100

226 29.6 23.9 35.9

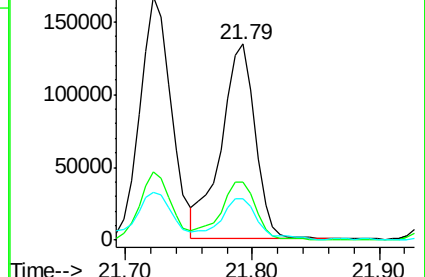
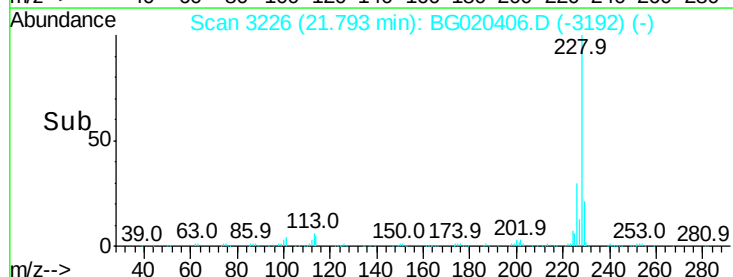
229 21.3 15.6 23.4

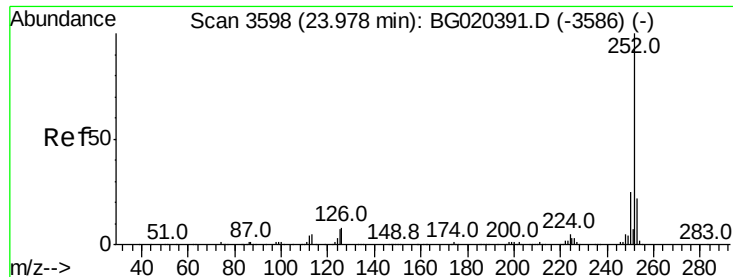


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 14.53 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. -0.01 min

Lab File: BG020406.D

Acq: 22 Dec 2015 10:04

Instrument :

BNA_G

ClientSampleId :

D9N63DL

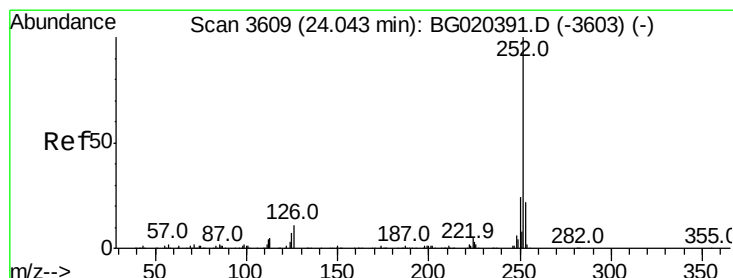
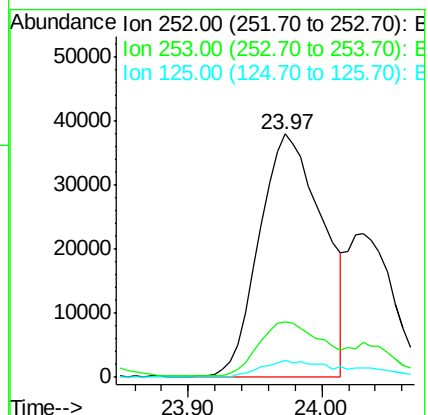
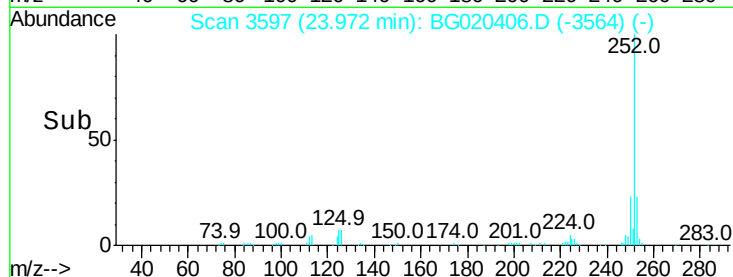
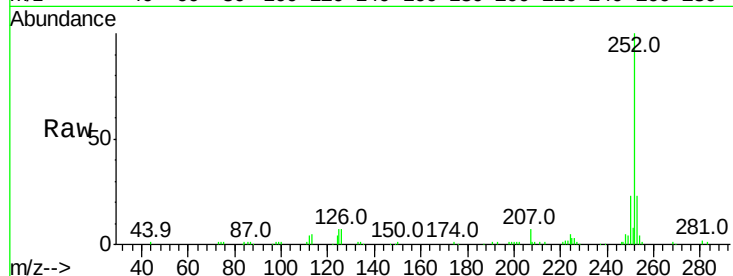
Tot Ion:252 Resp: 125604

Ion Ratio Lower Upper

252 100

253 22.8 16.7 25.1

125 7.2 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 6.77 ng/ul m

RT: 24.03 min Scan# 3607

Delta R.T. -0.01 min

Lab File: BG020406.D

Acq: 22 Dec 2015 10:04

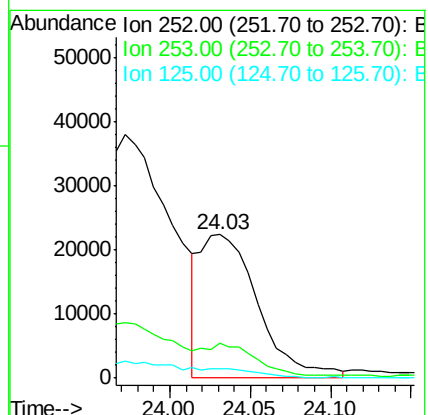
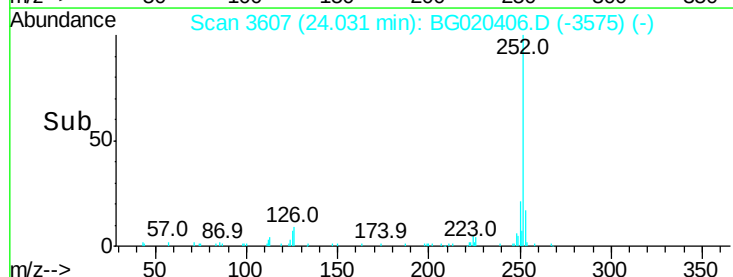
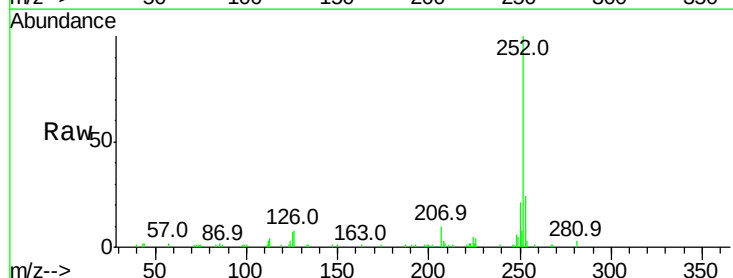
Tgt Ion:252 Resp: 56181

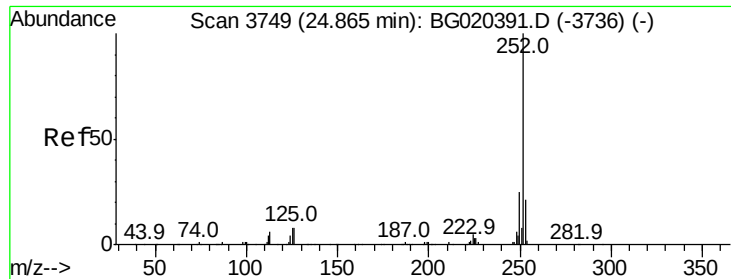
Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

125 6.5 5.8 8.6





#91

Benzo(a)pyrene

Concen: 8.89 ng/ul m

RT: 24.85 min Scan# 3747

Delta R.T. -0.01 min

Lab File: BG020406.D

Acq: 22 Dec 2015 10:04

Instrument :

BNA_G

ClientSampleId :

D9N63DL

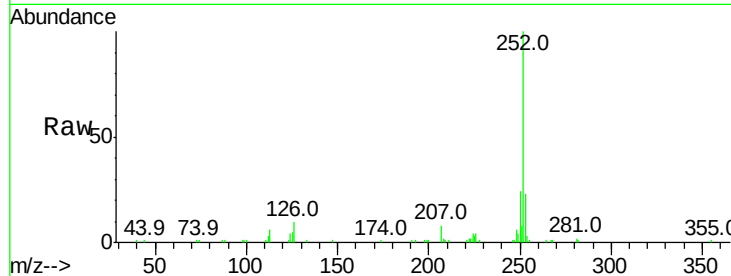
Tot Ion:252 Resp: 72843

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

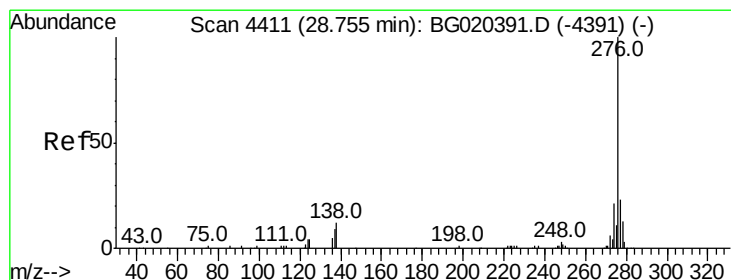
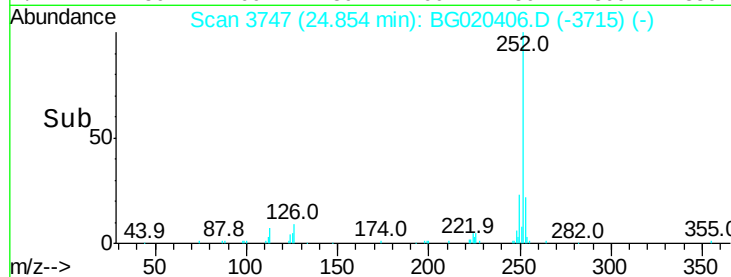
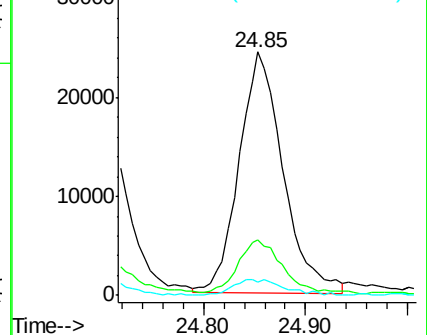
125 5.3 6.2 9.4#



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.89 ng/ul m

RT: 28.74 min Scan# 4409

Delta R.T. -0.01 min

Lab File: BG020406.D

Acq: 22 Dec 2015 10:04

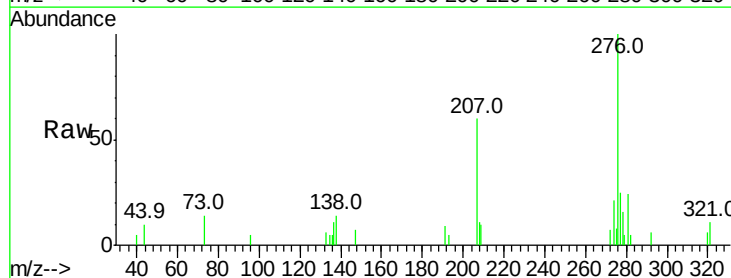
Tgt Ion:276 Resp: 18436

Ion Ratio Lower Upper

276 100

138 13.8 11.4 17.0

277 25.0 17.4 26.0



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

