

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
 Data File : BG020656.D
 Acq On : 5 Jan 2016 15:09
 Operator : UM/SJ
 Sample : G4846-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N59

Quant Time: Jan 06 01:35:52 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 06 00:15:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	15753	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	72563	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.70	164	52215	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	133312	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	159123	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	150321	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	467	1.78	ng/uL	0.00
5) Phenol-d5	7.21	99	10557	7.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	29131	36.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	30015	29.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	21124	18.50	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	21546	38.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	25999	39.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	41850	33.86	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	377	0.26	ng/ul	0.00
44) Dimethylphthalate-d6	14.10	166	171274	40.08	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	177804	36.63	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	4291	6.40	ng/ul	0.00
58) Fluorene-d10	15.68	176	153583	39.65	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	22968	28.41	ng/ul	0.00
71) Anthracene-d10	17.54	188	242547	39.05	ng/ul	0.00
79) Pyrene-d10	19.82	212	288100	40.37	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	314748	41.97	ng/ul	0.00

Target Compounds

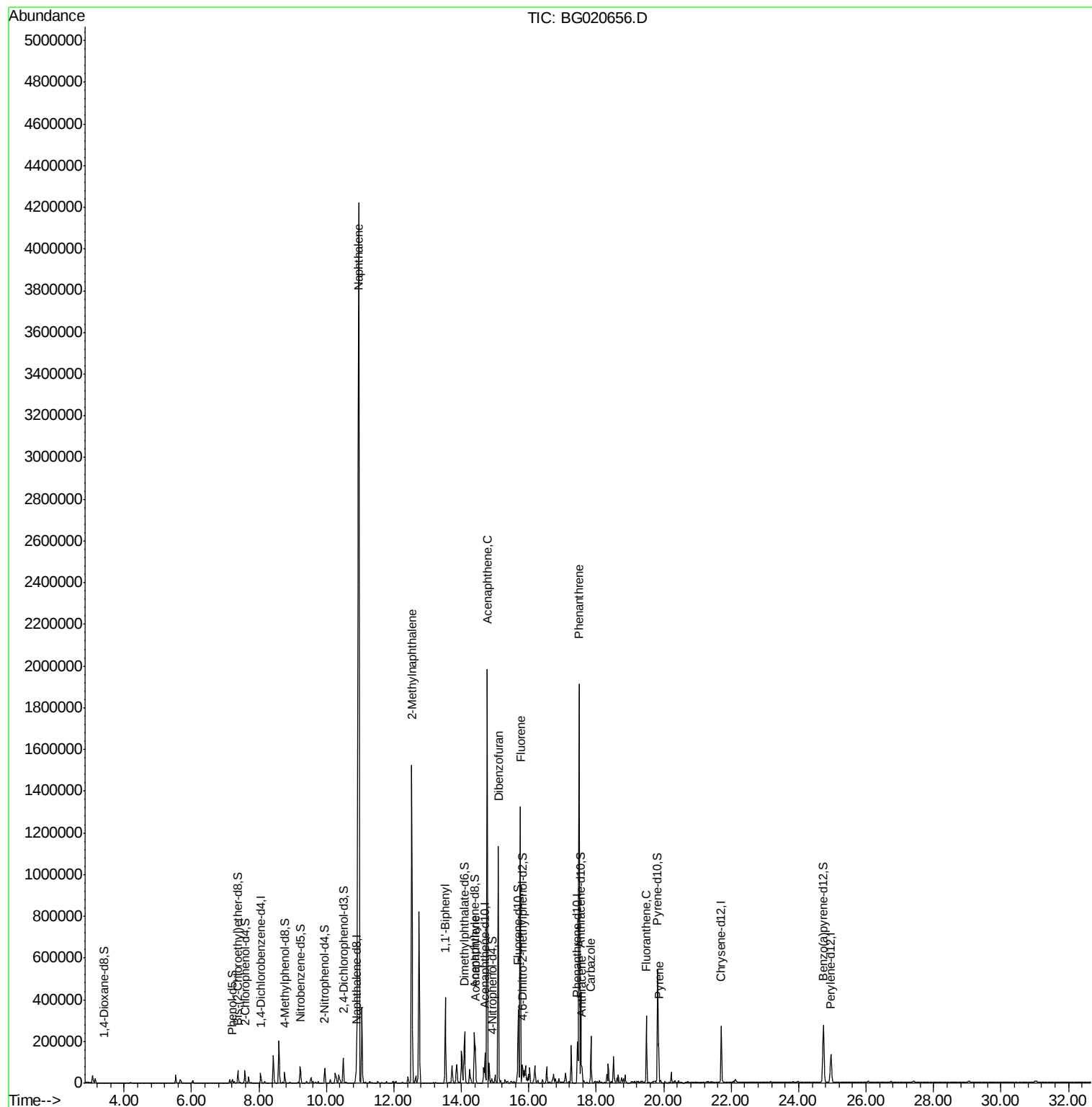
						Ovalue
28) Naphthalene	10.96	128	4074621	1060.34	ng/ul#	75
34) 2-Methylnaphthalene	12.53	142	738811	256.94	ng/ul	96
41) 1,1'-Biphenyl	13.53	154	219730	55.93	ng/ul	100
48) Acenaphthylene	14.42	152	101884	19.71	ng/ul	97
50) Acenaphthene	14.77	153	873829	249.79	ng/ul	99
54) Dibenzofuran	15.09	168	761633	144.07	ng/ul	97
59) Fluorene	15.75	166	610835	143.64	ng/ul	98
70) Phenanthrene	17.49	178	1251352	172.66	ng/ul	94
72) Anthracene	17.57	178	73732	9.95	ng/ul	96
75) Carbazole	17.84	167	152047	24.31	ng/ul	98
77) Fluoranthene	19.48	202	213145	24.07	ng/ul	99
80) Pyrene	19.85	202	120754	13.10	ng/ul	99

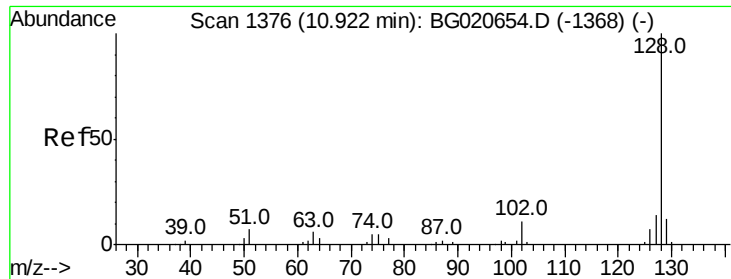
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 1060.34 ng/ul

RT: 10.96 min Scan# 1382

Delta R.T. 0.04 min

Lab File: BG020656.D

Acq: 5 Jan 2016 15:09

Instrument :

BNA_G

ClientSampleId :

D9N59

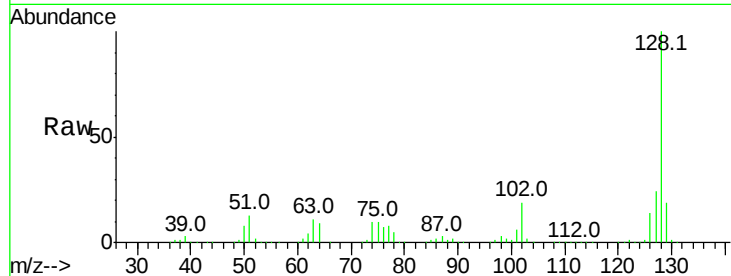
Tot Ion:128 Resp: 4074621

Ion Ratio Lower Upper

128 100

129 19.4 8.3 12.5#

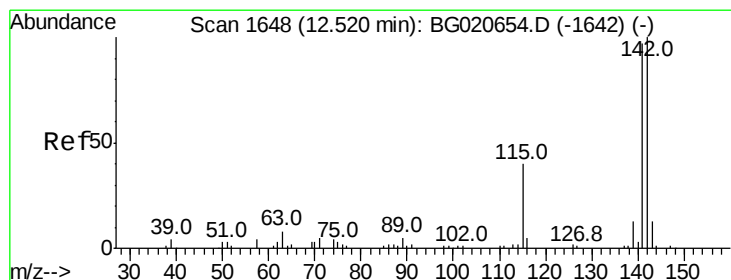
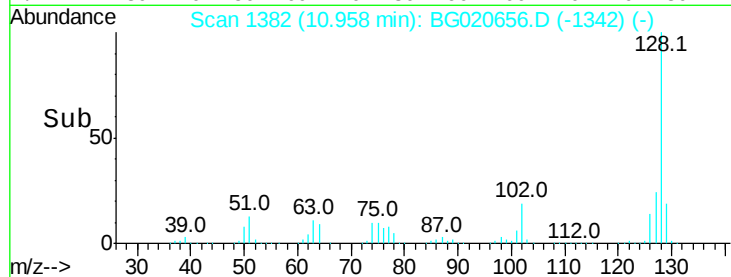
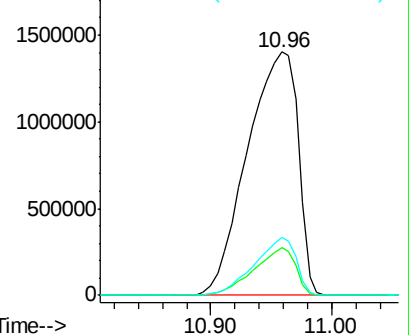
127 23.8 10.8 16.2#



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: 256.94 ng/ul

RT: 12.53 min Scan# 1650

Delta R.T. 0.01 min

Lab File: BG020656.D

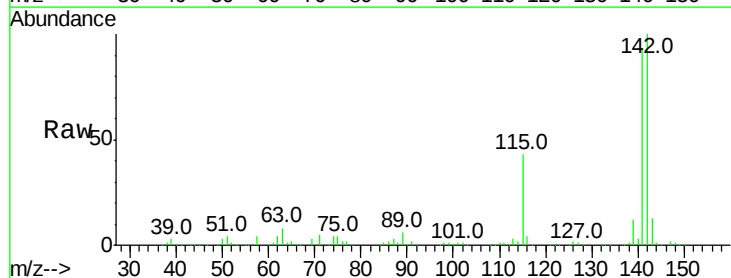
Acq: 5 Jan 2016 15:09

Tgt Ion:142 Resp: 738811

Ion Ratio Lower Upper

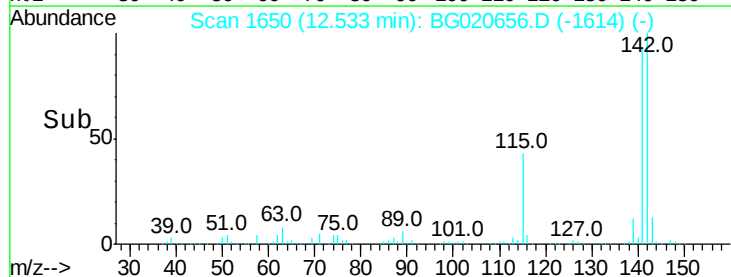
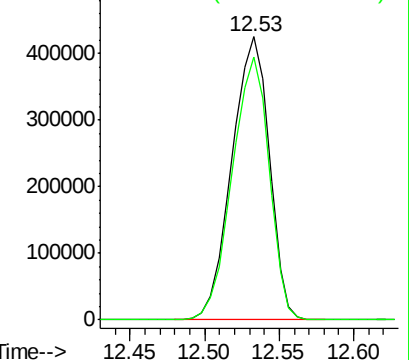
142 100

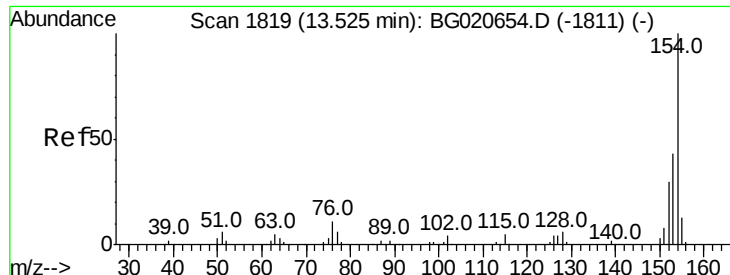
141 92.9 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

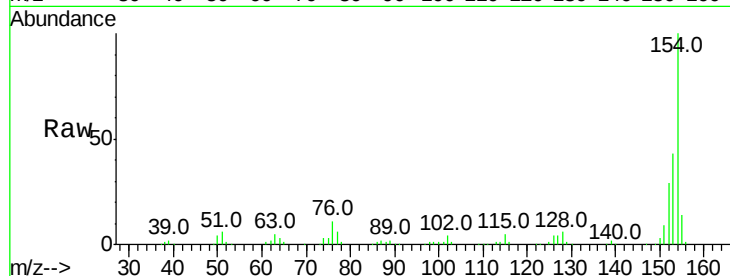




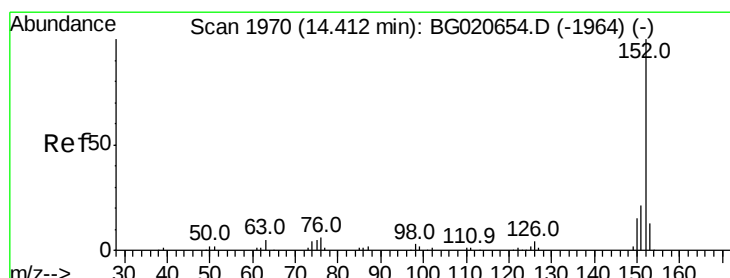
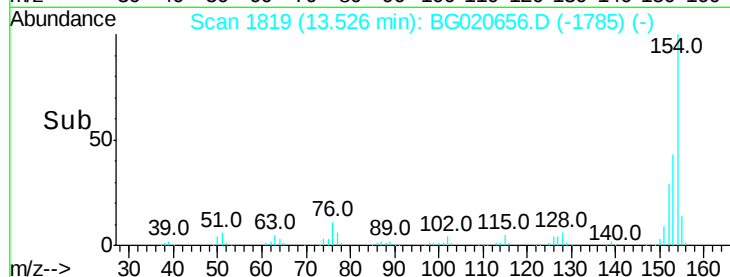
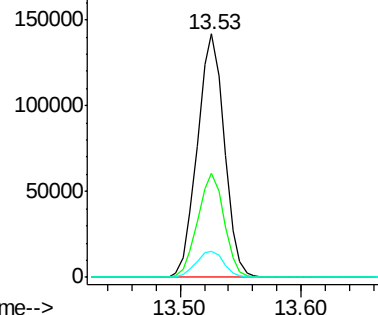
#41
 1,1'-Biphenyl
 Concen: 55.93 ng/ul
 RT: 13.53 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: BG020656.D
 Acq: 5 Jan 2016 15:09

Instrument :
 BNA_G
 ClientSampleId :
 D9N59

Tot Ion	Ratio	Lower	Upper
154	100		
153	42.7	34.0	51.0
76	10.9	8.4	12.6

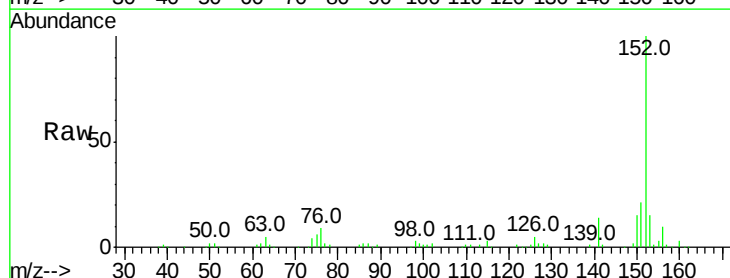


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

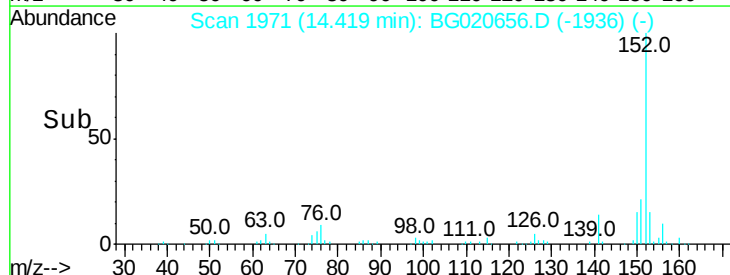
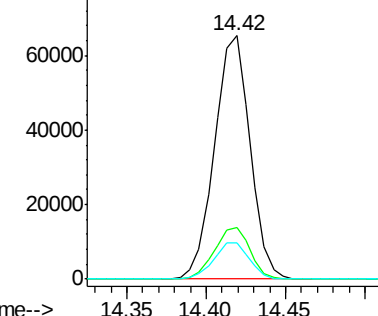


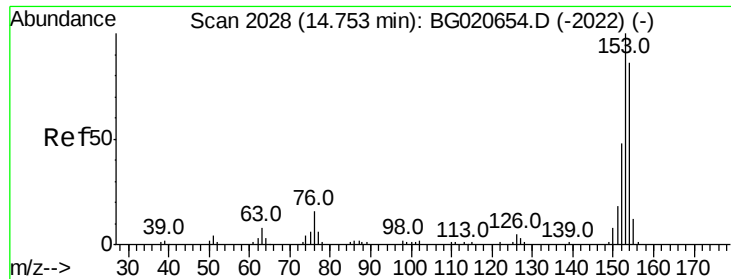
#48
 Acenaphthylene
 Concen: 19.71 ng/ul
 RT: 14.42 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: BG020656.D
 Acq: 5 Jan 2016 15:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.1	24.1
153	14.7	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: 249.79 ng/ul

RT: 14.77 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BG020656.D

Acq: 5 Jan 2016 15:09

Instrument :

BNA_G

ClientSampleId :

D9N59

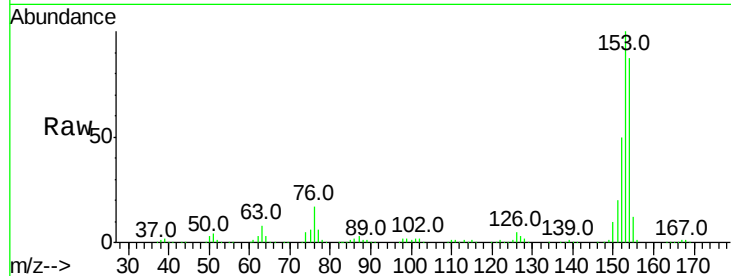
Tot Ion:153 Resp: 873829

Ion Ratio Lower Upper

153 100

152 50.2 37.9 56.9

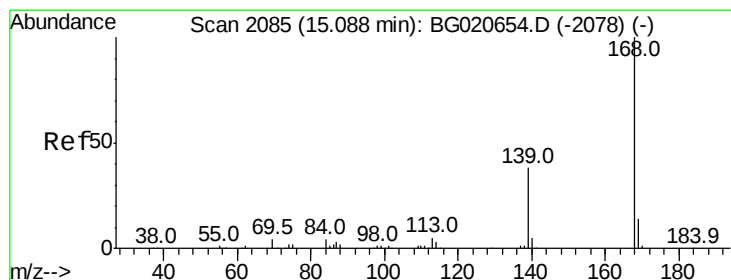
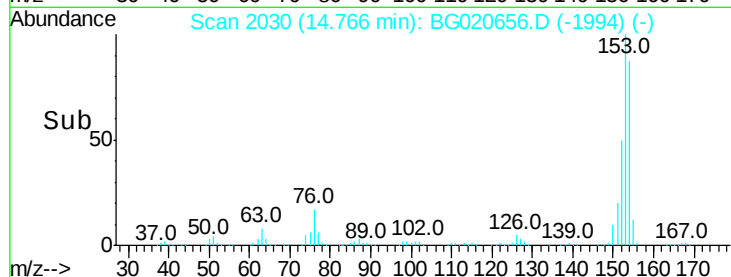
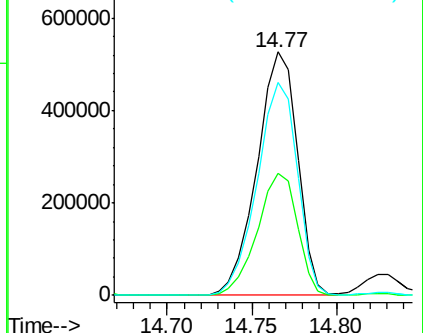
154 87.2 69.8 104.6



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

Dibenzofuran

Concen: 144.07 ng/ul

RT: 15.09 min Scan# 2086

Delta R.T. 0.01 min

Lab File: BG020656.D

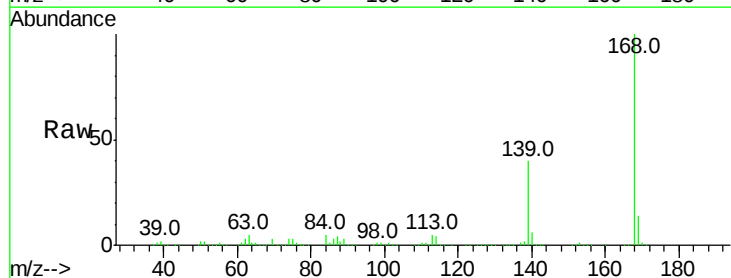
Acq: 5 Jan 2016 15:09

Tgt Ion:168 Resp: 761633

Ion Ratio Lower Upper

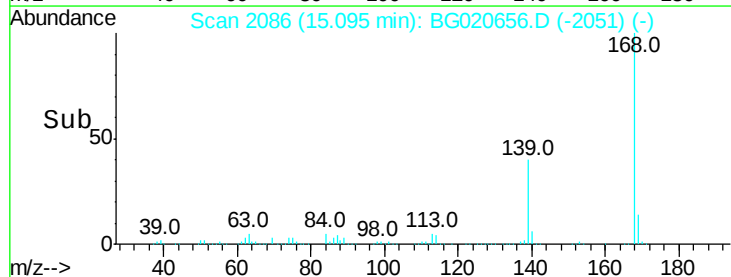
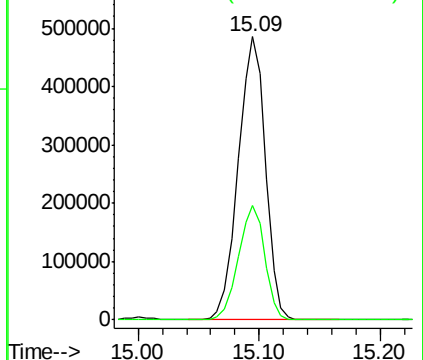
168 100

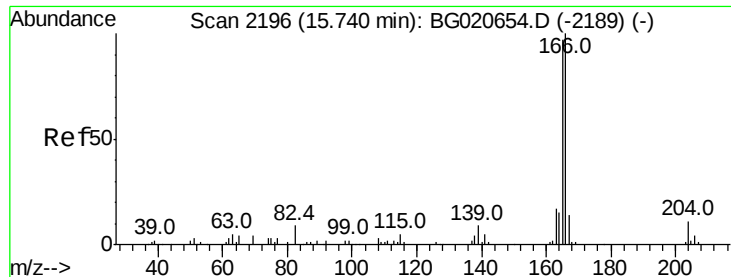
139 40.3 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 143.64 ng/ul

RT: 15.75 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BG020656.D

Acq: 5 Jan 2016 15:09

Instrument :

BNA_G

ClientSampled :

D9N59

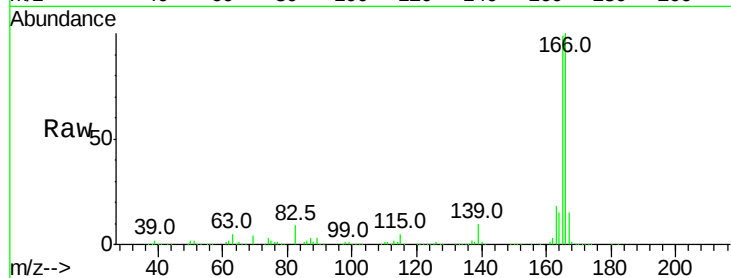
Tot Ion:166 Resp: 610835

Ion Ratio Lower Upper

166 100

165 99.4 78.4 117.6

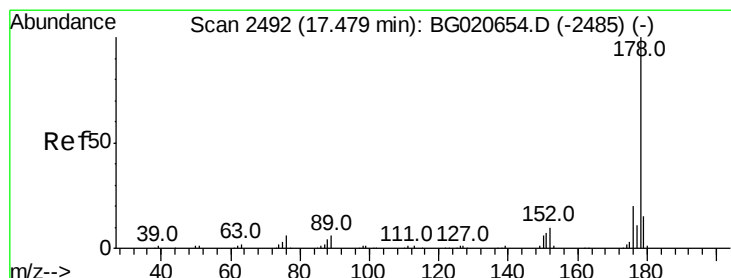
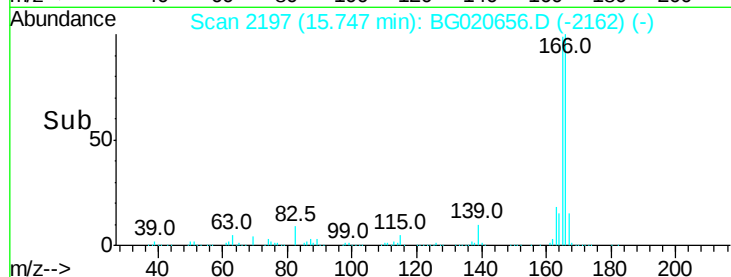
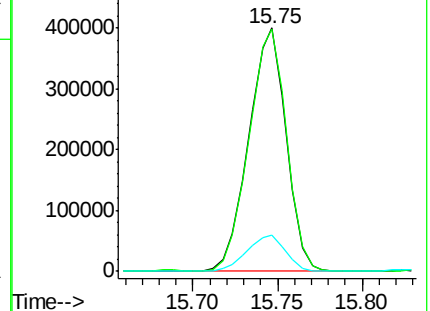
167 15.0 11.1 16.7



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



#70

Phenanthrene

Concen: 172.66 ng/ul

RT: 17.49 min Scan# 2494

Delta R.T. 0.01 min

Lab File: BG020656.D

Acq: 5 Jan 2016 15:09

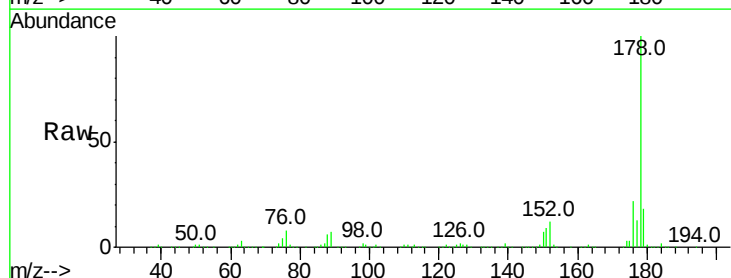
Tgt Ion:178 Resp: 1251352

Ion Ratio Lower Upper

178 100

179 18.1 12.3 18.5

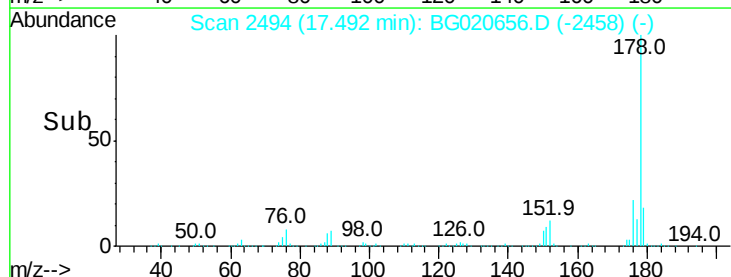
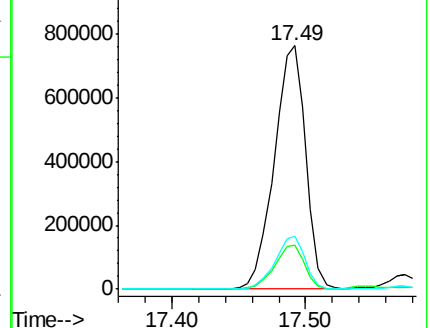
176 21.9 15.4 23.0

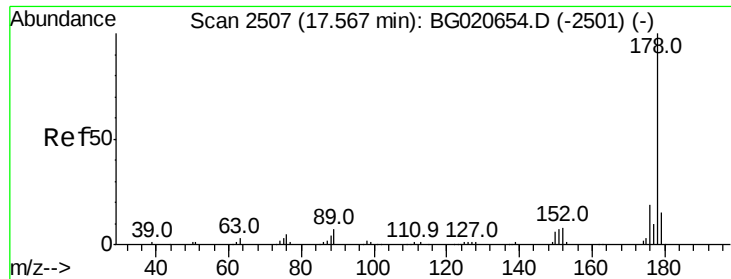


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 9.95 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. 0.01 min

Lab File: BG020656.D

Acq: 5 Jan 2016 15:09

Instrument :

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ClientSampleId :

D9N59

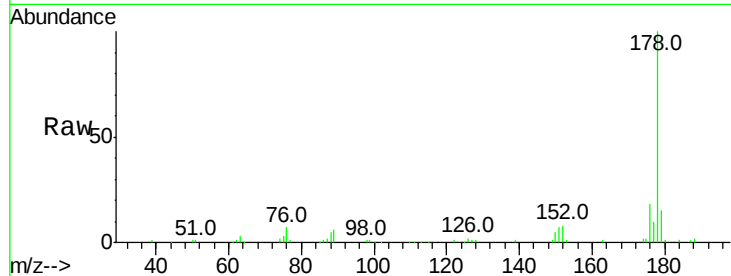
Tot Ion:178 Resp: 73732

Ion Ratio Lower Upper

178 100

179 14.8 13.4 20.2

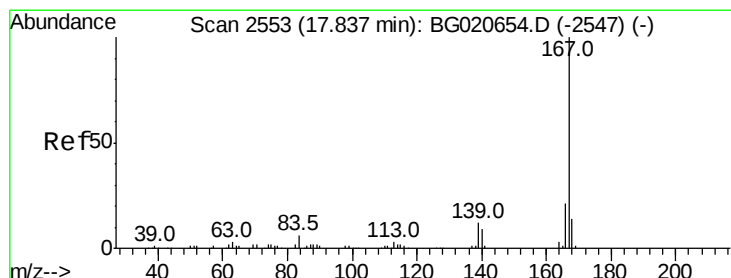
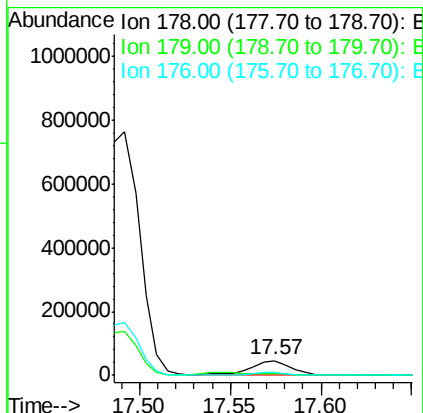
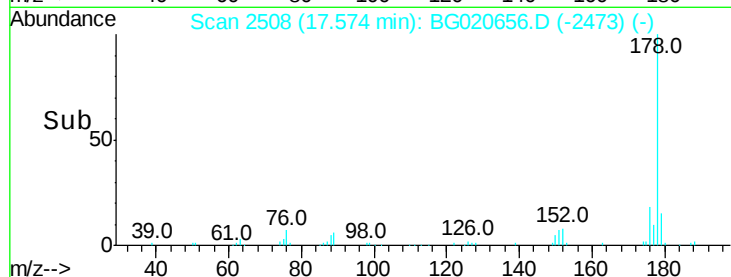
176 17.8 15.4 23.0



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: 24.31 ng/ul

RT: 17.84 min Scan# 2553

Delta R.T. 0.00 min

Lab File: BG020656.D

Acq: 5 Jan 2016 15:09

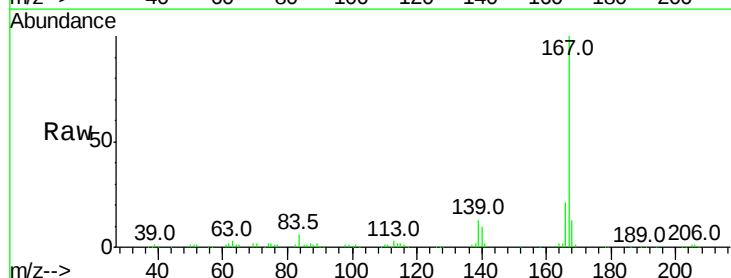
Tgt Ion:167 Resp: 152047

Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.4

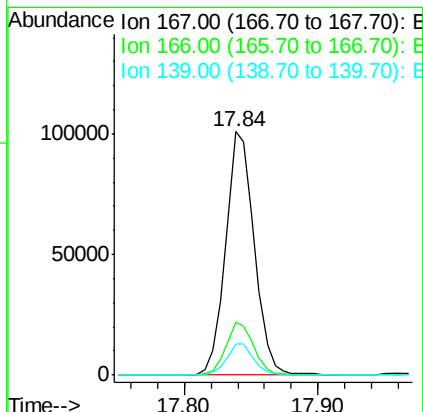
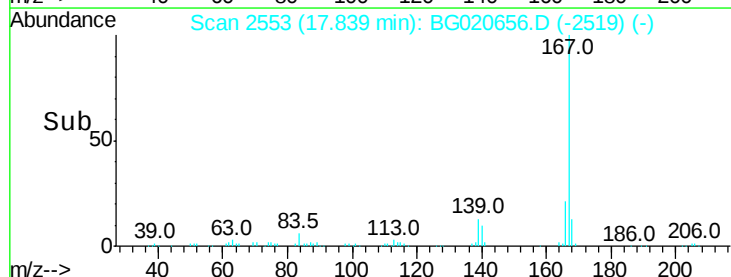
139 12.8 9.1 13.7

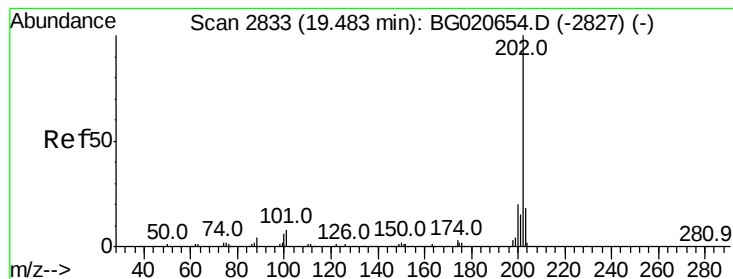


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 24.07 ng/ul

RT: 19.48 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BG020656.D

Acq: 5 Jan 2016 15:09

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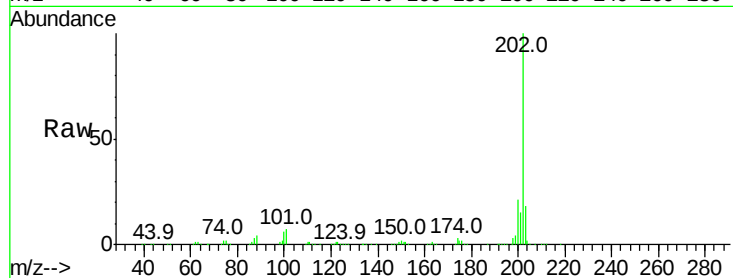
Tot Ion:202 Resp: 213145

Ion Ratio Lower Upper

202 100

101 7.4 6.1 9.1

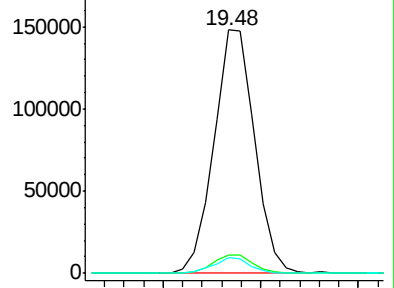
100 6.3 4.6 7.0



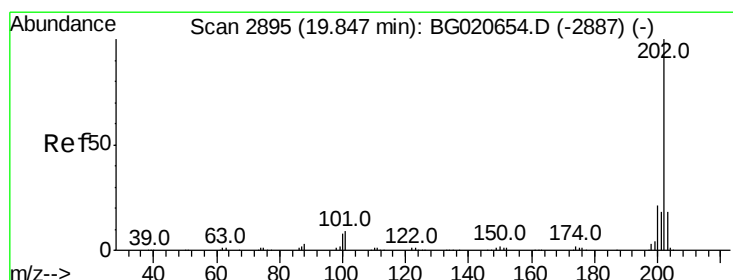
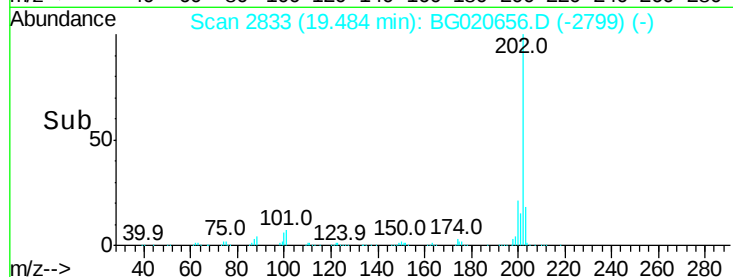
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Pyrene

Concen: 13.10 ng/ul

RT: 19.85 min Scan# 2895

Delta R.T. 0.00 min

Lab File: BG020656.D

Acq: 5 Jan 2016 15:09

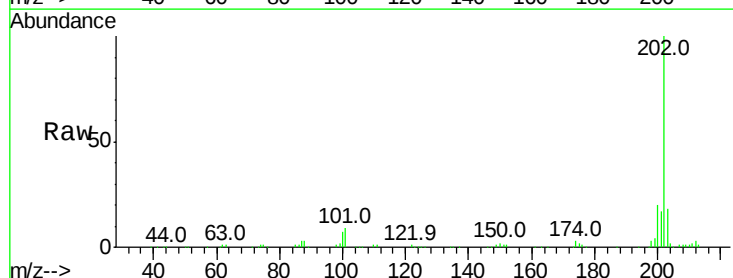
Tgt Ion:202 Resp: 120754

Ion Ratio Lower Upper

202 100

101 8.8 6.9 10.3

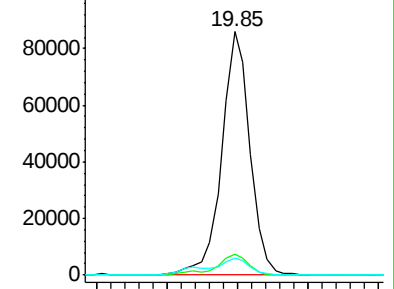
100 7.2 5.6 8.4



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



Time-->

