

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
 Data File : BG020661.D
 Acq On : 5 Jan 2016 19:02
 Operator : UM/SJ
 Sample : G4846-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N62

Quant Time: Jan 06 03:23:24 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	15330	20.00	ng/ul	0.00
18) Naphthalene-d8	10.87	136	69759	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	51287	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	135268	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	162127	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	154282	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	452	1.77	ng/uL	0.00
5) Phenol-d5	7.21	99	10331	7.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	28336	36.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	29579	29.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	21358	19.22	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	19324	35.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	23791	38.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	38925	32.76	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	368	0.26	ng/ul	0.01
44) Dimethylphthalate-d6	14.09	166	162302	38.67	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	178385	37.41	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	4906	7.45	ng/ul	0.00
58) Fluorene-d10	15.68	176	142088	37.34	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	24036	29.30	ng/ul	0.00
71) Anthracene-d10	17.54	188	235260	37.33	ng/ul	0.00
79) Pyrene-d10	19.82	212	278990	38.37	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	300961	39.10	ng/ul	0.00

Target Compounds

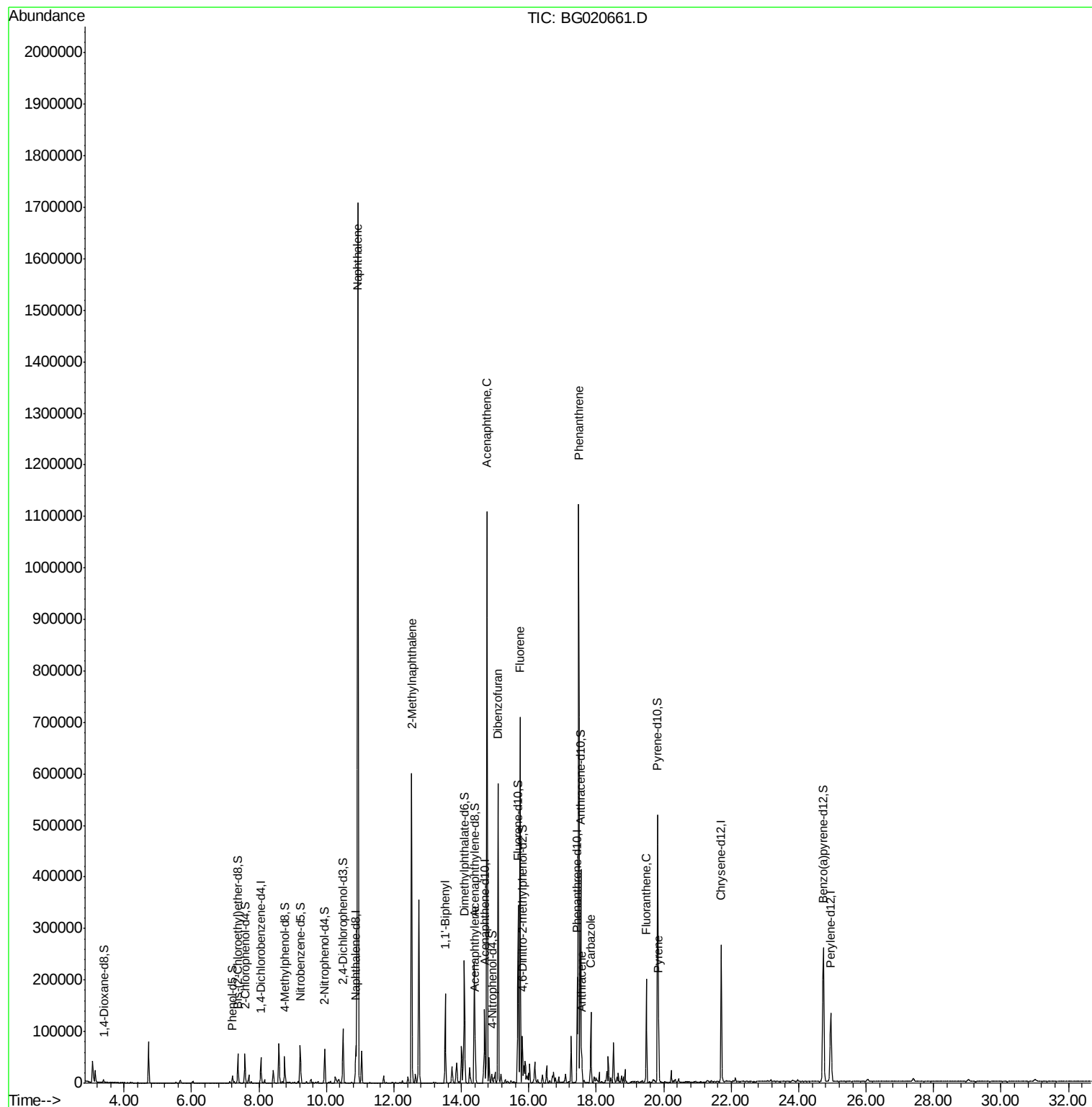
						Ovalue
28) Naphthalene	10.93	128	1494306	404.49	ng/ul#	95
34) 2-Methylnaphthalene	12.53	142	293104	106.03	ng/ul	97
41) 1,1'-Biphenyl	13.52	154	98099	25.42	ng/ul	97
48) Acenaphthylene	14.41	152	46159	9.09	ng/ul	98
50) Acenaphthene	14.76	153	464252	135.11	ng/ul	98
54) Dibenzofuran	15.09	168	397701	76.59	ng/ul	100
59) Fluorene	15.74	166	325136	77.84	ng/ul	99
70) Phenanthrene	17.48	178	733995	99.81	ng/ul	96
72) Anthracene	17.57	178	39177	5.21	ng/ul	100
75) Carbazole	17.84	167	93298	14.70	ng/ul	98
77) Fluoranthene	19.48	202	135157	15.04	ng/ul	98
80) Pyrene	19.85	202	78158	8.32	ng/ul	98

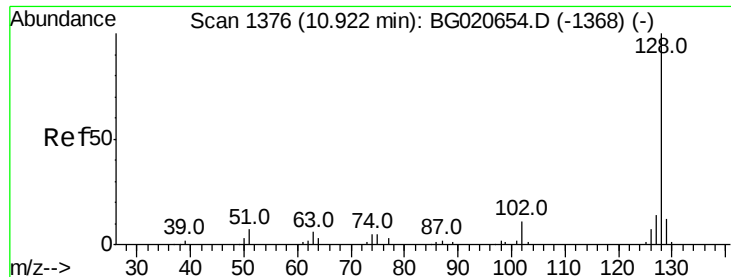
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 404.49 ng/ul

RT: 10.93 min Scan# 1378

Delta R.T. 0.01 min

Lab File: BG020661.D

Acq: 5 Jan 2016 19:02

Instrument :

BNA_G

ClientSampleId :

D9N62

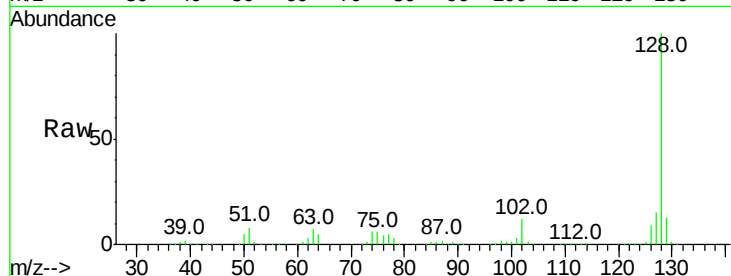
Tot Ion:128 Resp: 1494306

Ion Ratio Lower Upper

128 100

129 12.7 8.3 12.5#

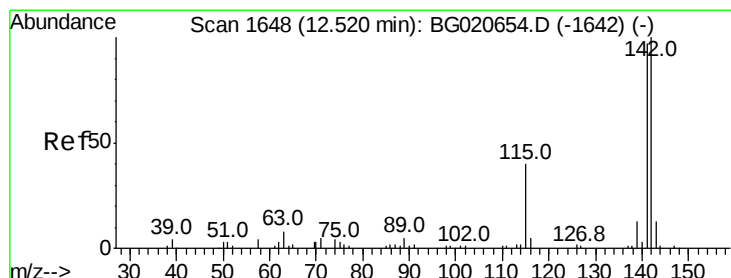
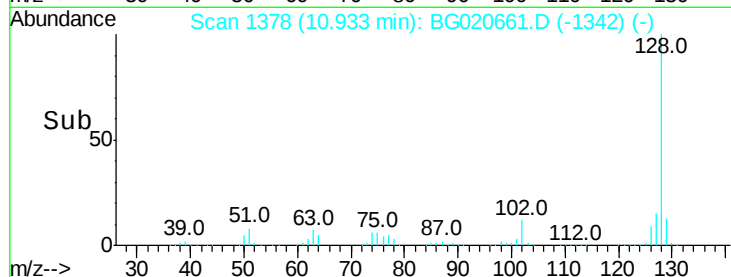
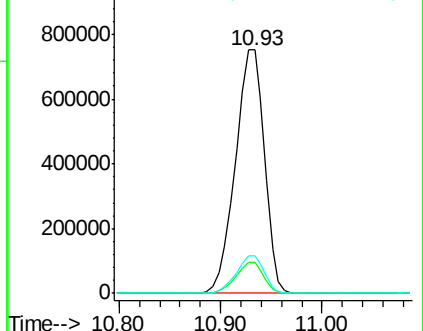
127 15.4 10.8 16.2



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: 106.03 ng/ul

RT: 12.53 min Scan# 1649

Delta R.T. 0.01 min

Lab File: BG020661.D

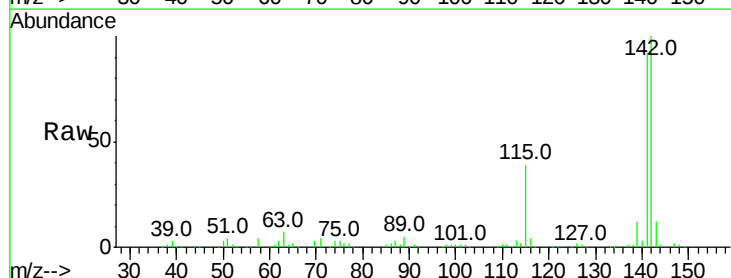
Acq: 5 Jan 2016 19:02

Tgt Ion:142 Resp: 293104

Ion Ratio Lower Upper

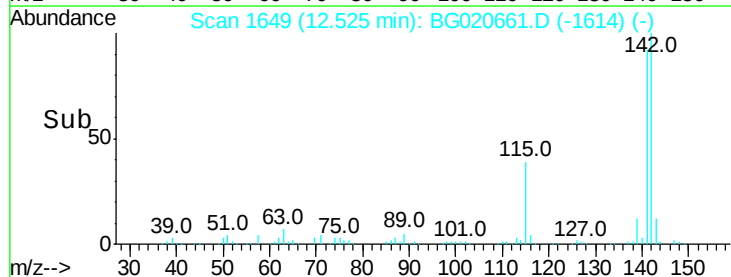
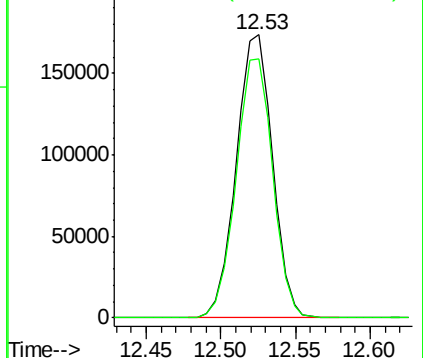
142 100

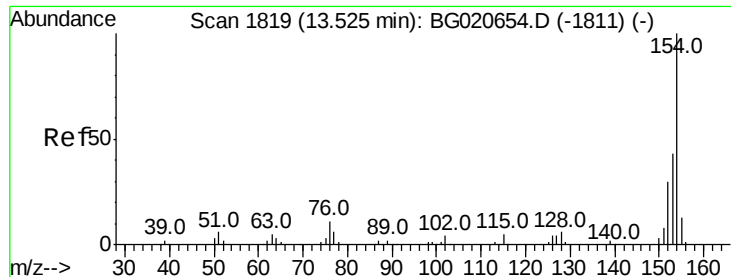
141 91.7 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

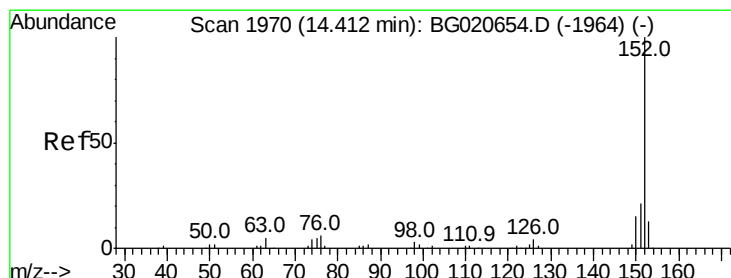
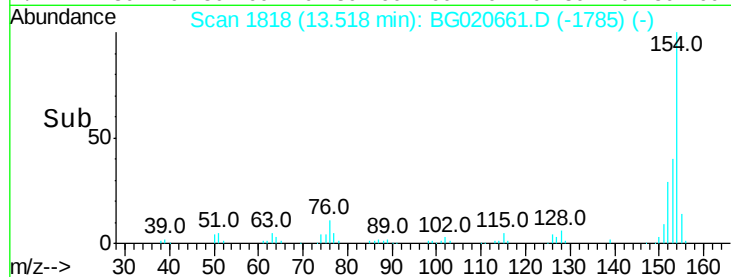
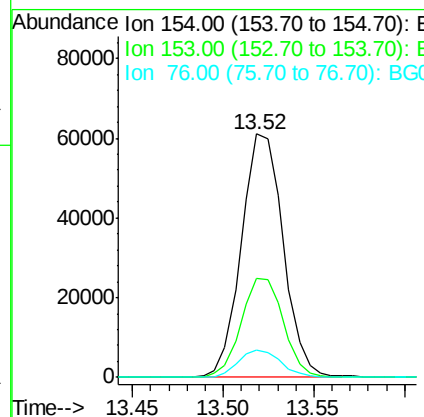
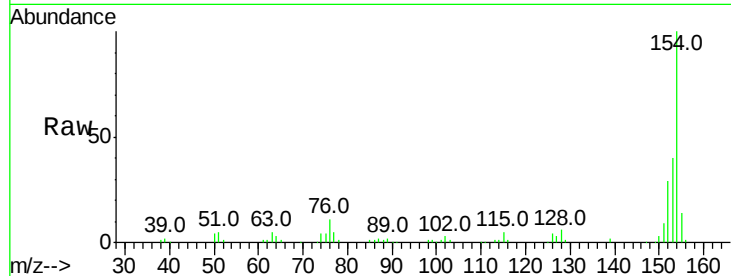




#41
 1,1'-Biphenyl
 Concen: 25.42 ng/ul
 RT: 13.52 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BG020661.D
 Acq: 5 Jan 2016 19:02

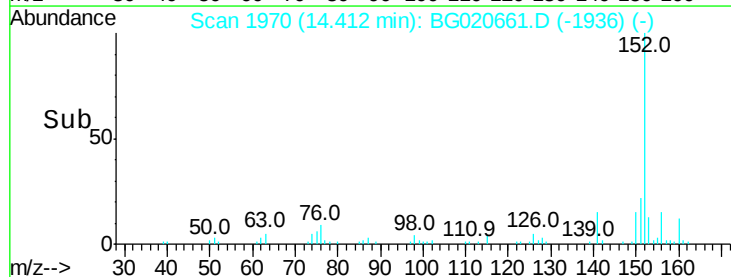
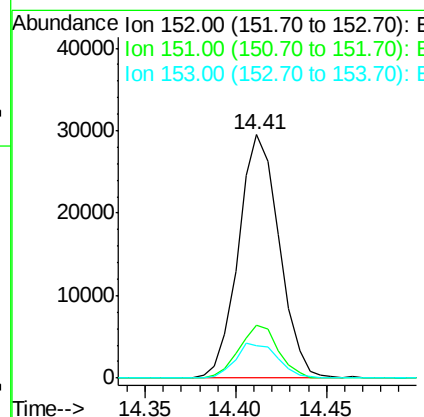
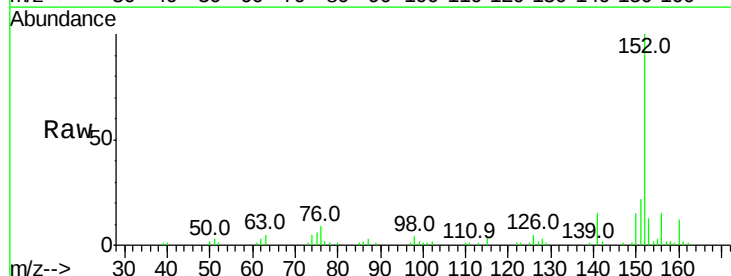
Instrument :
 BNA_G
 ClientSampleId :
 D9N62

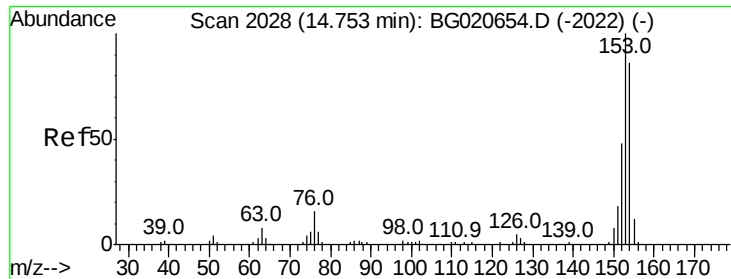
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.4	34.0	51.0
76	11.4	8.4	12.6



#48
 Acenaphthylene
 Concen: 9.09 ng/ul
 RT: 14.41 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: BG020661.D
 Acq: 5 Jan 2016 19:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.1	24.1
153	13.3	10.8	16.2





#50

Acenaphthene

Concen: 135.11 ng/ul

RT: 14.76 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BG020661.D

Acq: 5 Jan 2016 19:02

Instrument :

BNA_G

ClientSampleId :

D9N62

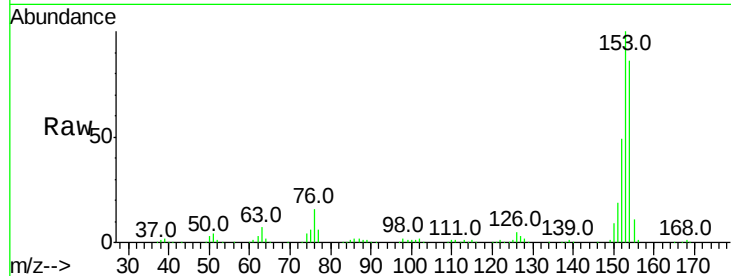
Tot Ion:153 Resp: 464252

Ion Ratio Lower Upper

153 100

152 49.4 37.9 56.9

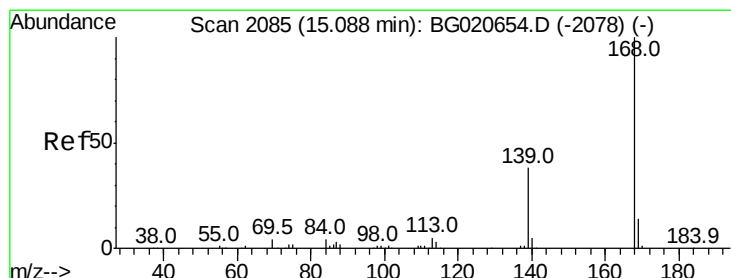
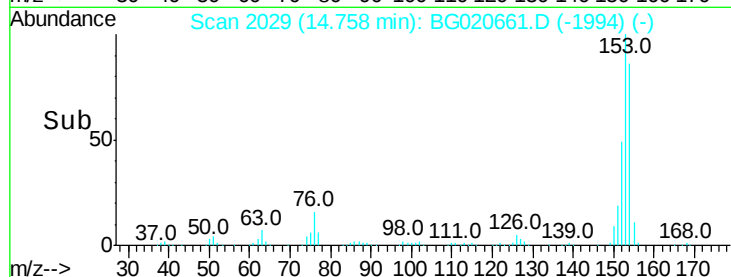
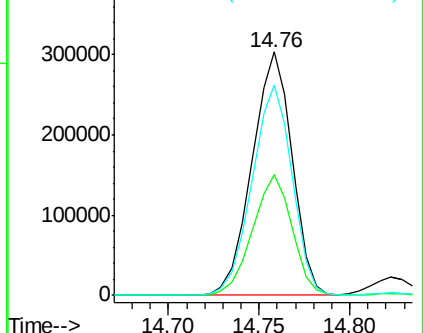
154 86.4 69.8 104.6



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: 76.59 ng/ul

RT: 15.09 min Scan# 2085

Delta R.T. -0.00 min

Lab File: BG020661.D

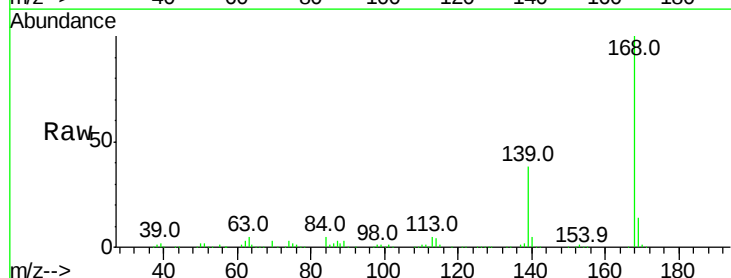
Acq: 5 Jan 2016 19:02

Tgt Ion:168 Resp: 397701

Ion Ratio Lower Upper

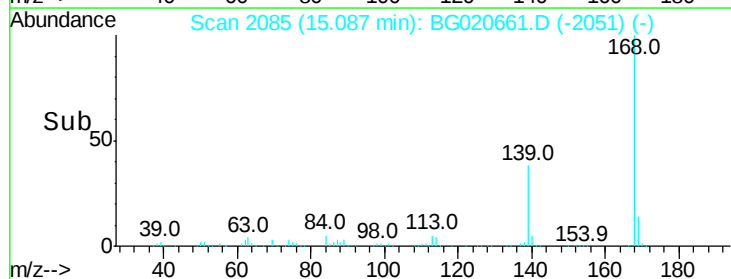
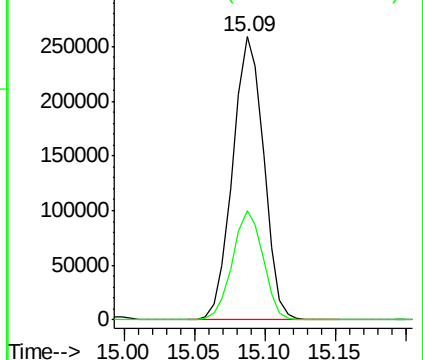
168 100

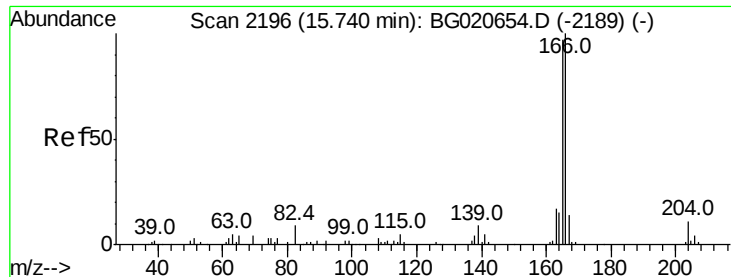
139 38.5 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 77.84 ng/ul

RT: 15.74 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BG020661.D

Acq: 5 Jan 2016 19:02

Instrument :

BNA_G

ClientSampleId :

D9N62

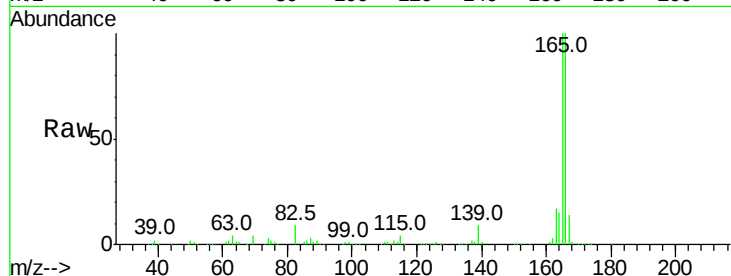
Tot Ion:166 Resp: 325136

Ion Ratio Lower Upper

166 100

165 99.6 78.4 117.6

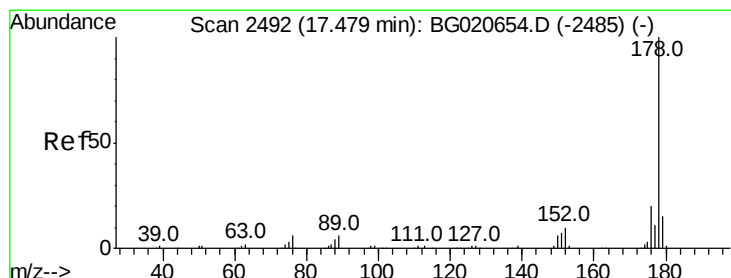
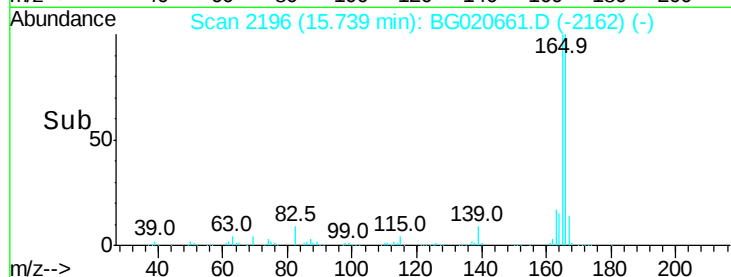
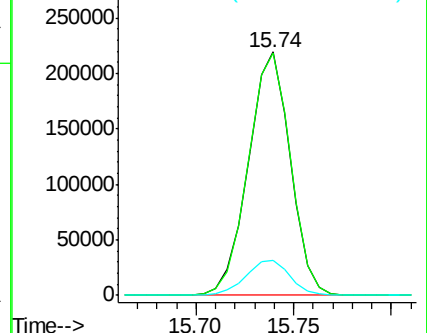
167 14.3 11.1 16.7



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: 99.81 ng/ul

RT: 17.48 min Scan# 2492

Delta R.T. -0.00 min

Lab File: BG020661.D

Acq: 5 Jan 2016 19:02

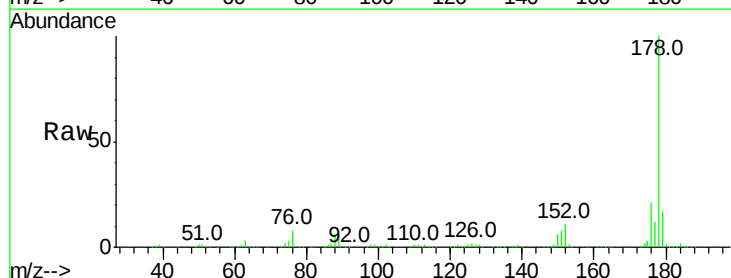
Tgt Ion:178 Resp: 733995

Ion Ratio Lower Upper

178 100

179 17.0 12.3 18.5

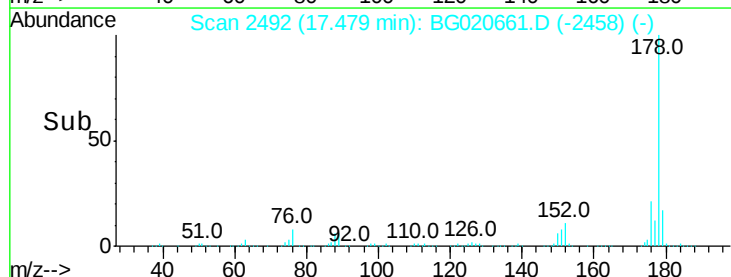
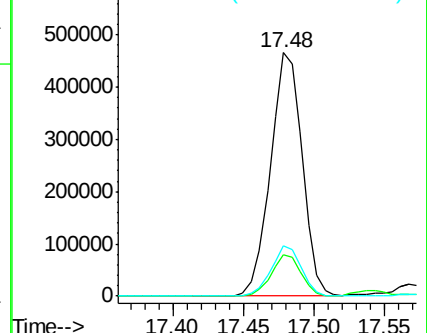
176 20.8 15.4 23.0

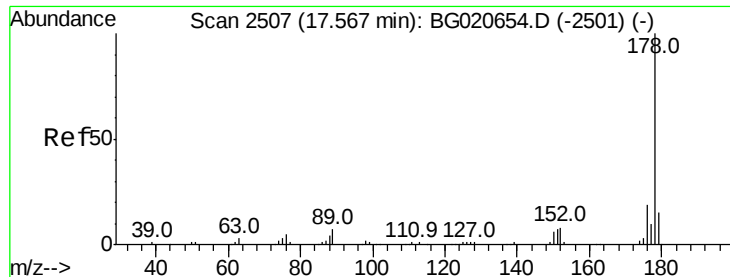


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

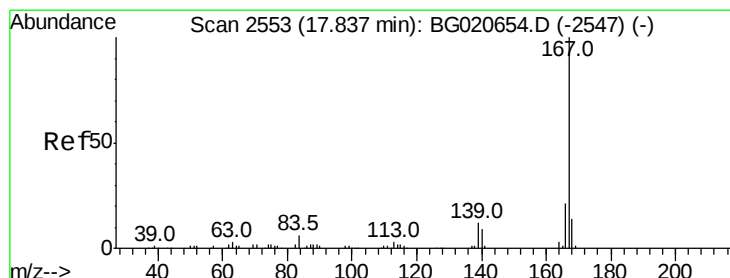
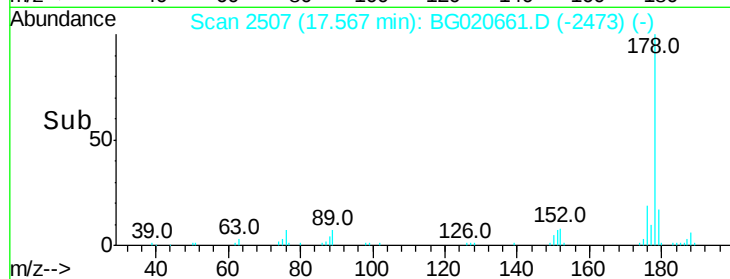
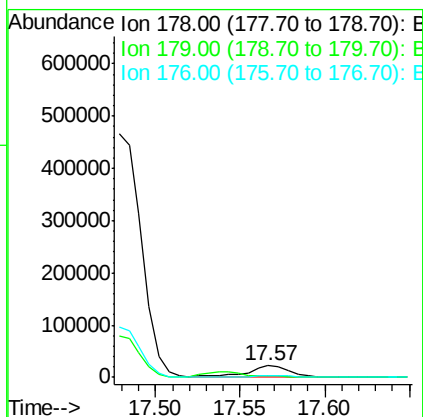
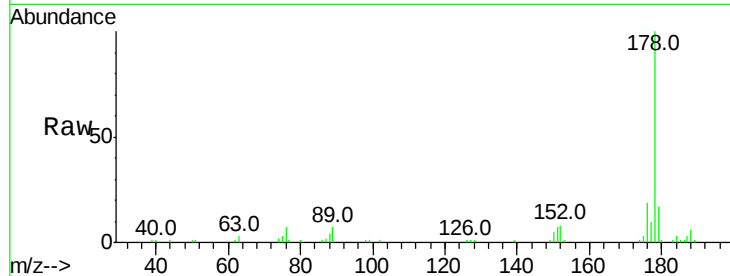




#72
 Anthracene
 Concen: 5.21 ng/ul
 RT: 17.57 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: BG020661.D
 Acq: 5 Jan 2016 19:02

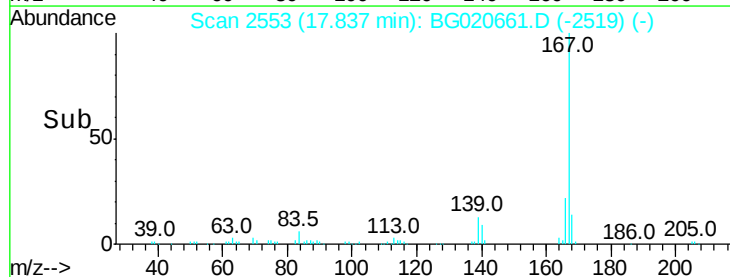
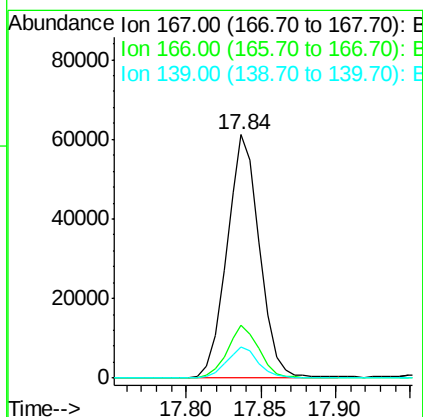
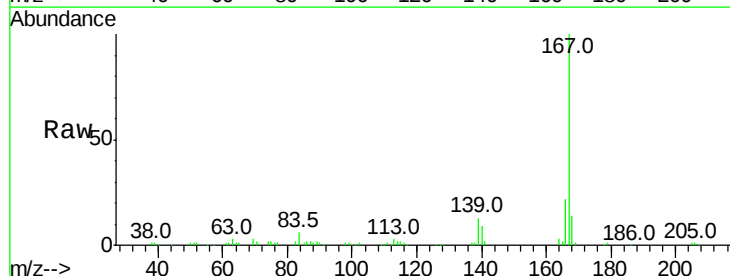
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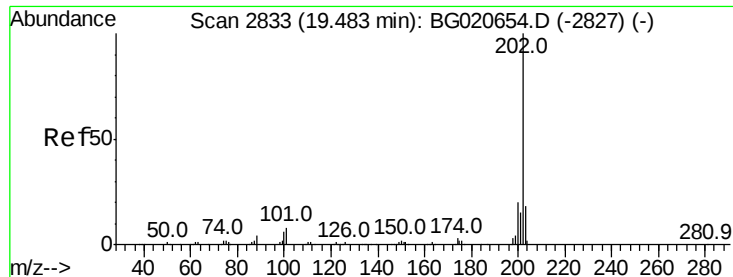
Tot Ion:178 Resp: 39177
 Ion Ratio Lower Upper
 178 100
 179 16.6 13.4 20.2
 176 19.2 15.4 23.0



#75
 Carbazole
 Concen: 14.70 ng/ul
 RT: 17.84 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: BG020661.D
 Acq: 5 Jan 2016 19:02

Tgt Ion:167 Resp: 93298
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.4
 139 12.8 9.1 13.7





#77

Fluoranthene

Concen: 15.04 ng/ul

RT: 19.48 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BG020661.D

Acq: 5 Jan 2016 19:02

Instrument :

BNA_G

ClientSampleId :

D9N62

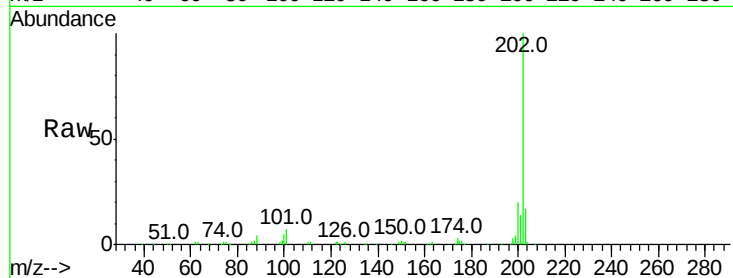
Tot Ion:202 Resp: 135157

Ion Ratio Lower Upper

202 100

101 6.8 6.1 9.1

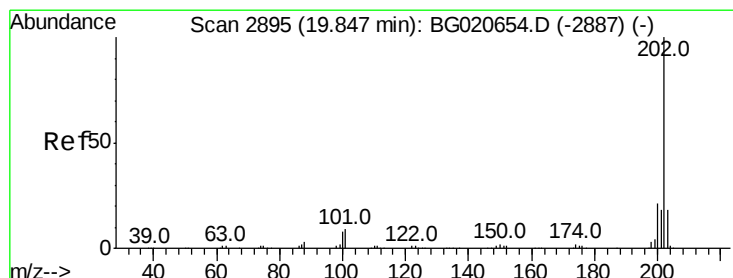
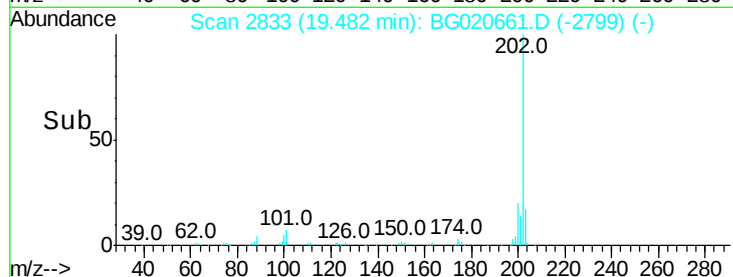
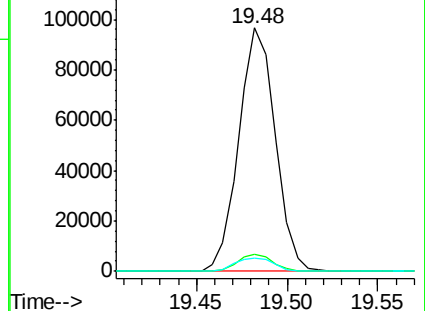
100 5.4 4.6 7.0



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



#80

Pyrene

Concen: 8.32 ng/ul

RT: 19.85 min Scan# 2895

Delta R.T. -0.00 min

Lab File: BG020661.D

Acq: 5 Jan 2016 19:02

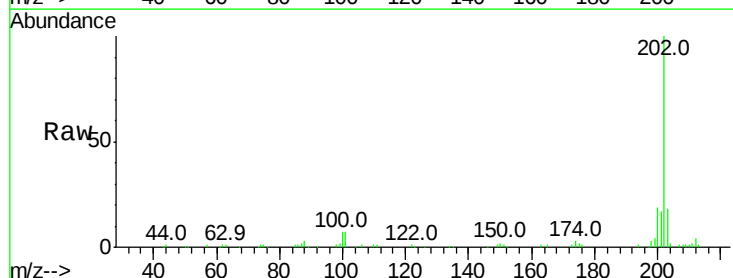
Tgt Ion:202 Resp: 78158

Ion Ratio Lower Upper

202 100

101 7.3 6.9 10.3

100 6.8 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

