

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
 Data File : BG020662.D
 Acq On : 5 Jan 2016 19:41
 Operator : UM/SJ
 Sample : G4846-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N67

Quant Time: Jan 06 03:43:05 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	15531	20.00	ng/ul	0.00
18) Naphthalene-d8	10.87	136	70304	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	51014	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	135145	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	164435	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	156148	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	372	1.43	ng/uL	0.00
5) Phenol-d5	7.21	99	8351	6.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	16592	20.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	18350	18.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	14232	12.64	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	11760	21.65	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	13643	21.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	24236	20.24	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	14.09	166	99072	23.73	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	107328	22.63	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	3532	5.39	ng/ul	0.00
58) Fluorene-d10	15.68	176	86977	22.98	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	13830	16.87	ng/ul	0.00
71) Anthracene-d10	17.53	188	142757	22.67	ng/ul	0.00
79) Pyrene-d10	19.82	212	174179	23.62	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	175908	22.58	ng/ul	0.00

Target Compounds

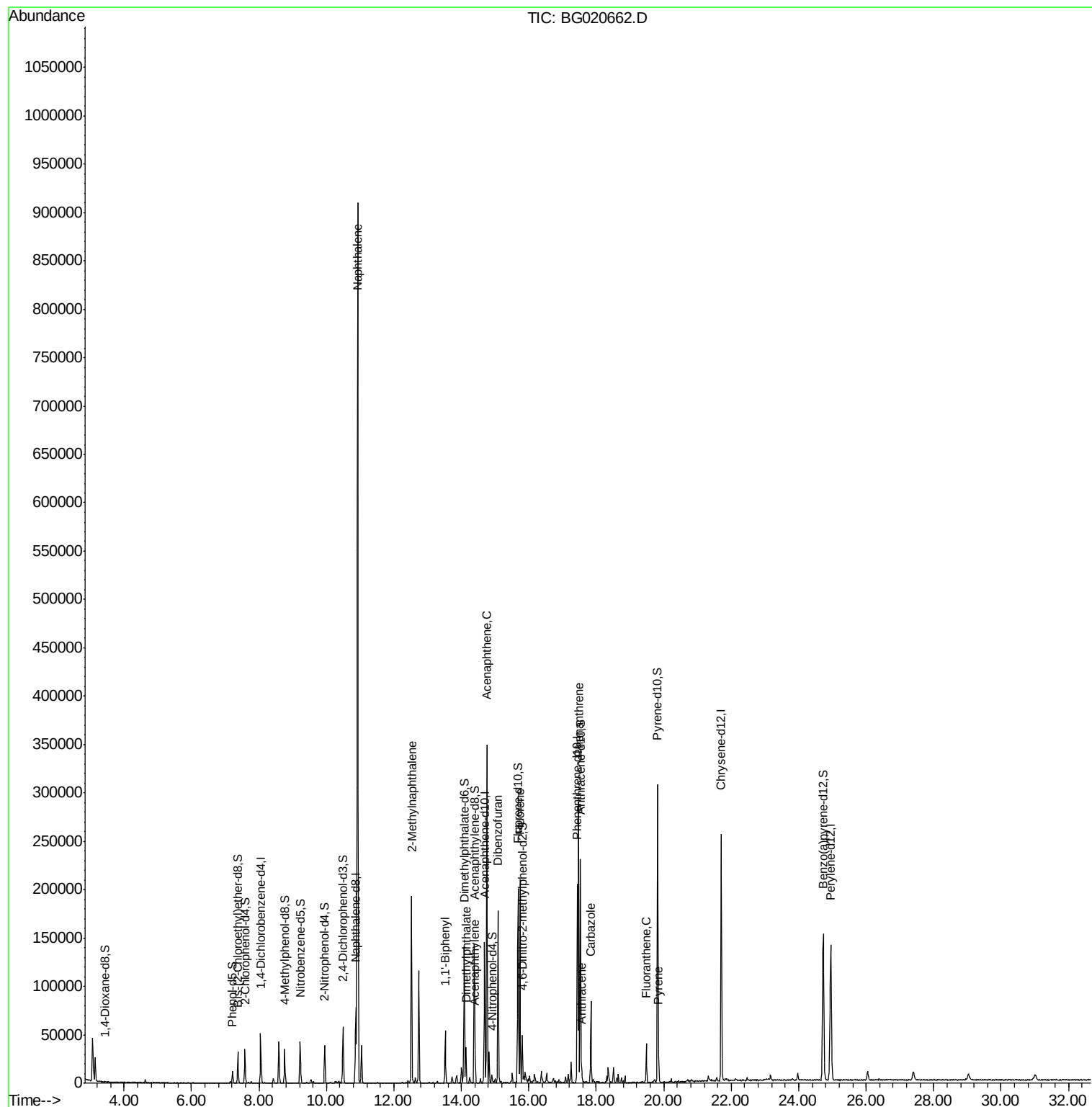
						Ovalue
28) Naphthalene	10.92	128	783831	210.53	ng/ul	97
34) 2-Methylnaphthalene	12.52	142	91789	32.95	ng/ul	95
41) 1,1'-Biphenyl	13.52	154	31745	8.27	ng/ul#	97
45) Dimethylphthalate	14.14	163	26474	6.21	ng/ul	99
48) Acenaphthylene	14.41	152	17446	3.45	ng/ul	94
50) Acenaphthene	14.75	153	151676	44.38	ng/ul	99
54) Dibenzofuran	15.09	168	125957	24.39	ng/ul	98
59) Fluorene	15.73	166	96876	23.32	ng/ul	97
70) Phenanthrene	17.48	178	195758	26.64	ng/ul	99
72) Anthracene	17.57	178	9347	1.24	ng/ul	96
75) Carbazole	17.84	167	59122	9.32	ng/ul	99
77) Fluoranthene	19.48	202	29301	3.26	ng/ul	98
80) Pyrene	19.85	202	17472	1.83	ng/ul	98

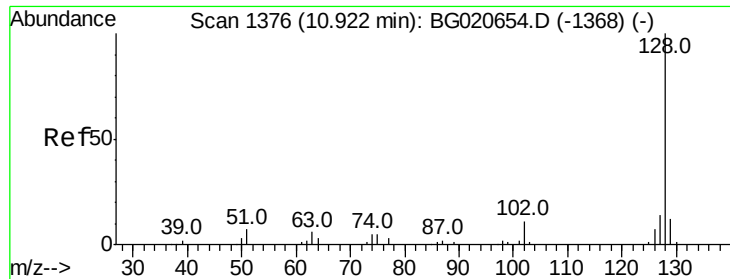
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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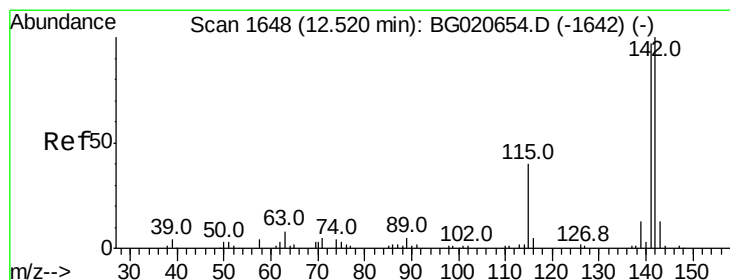
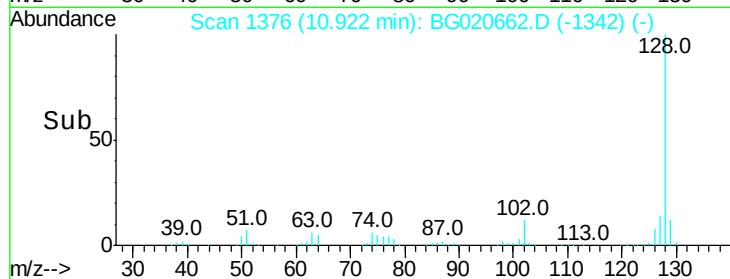
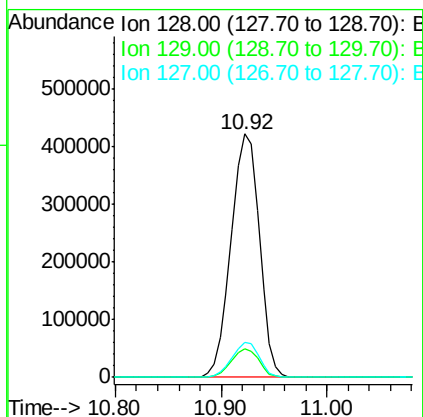
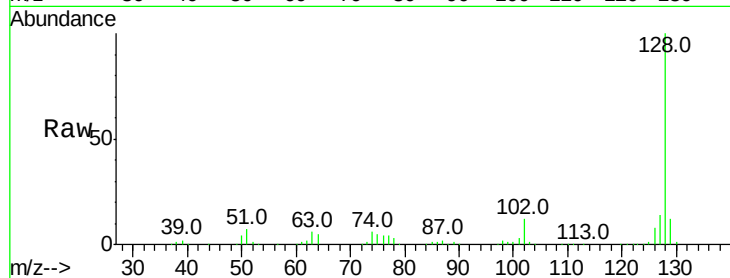




#28
Naphthalene
Concen: 210.53 ng/ul
RT: 10.92 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BG020662.D
Acq: 5 Jan 2016 19:41

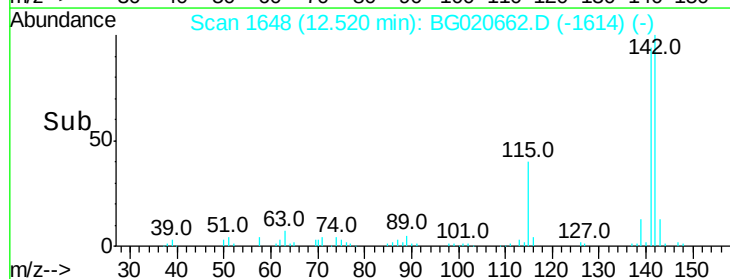
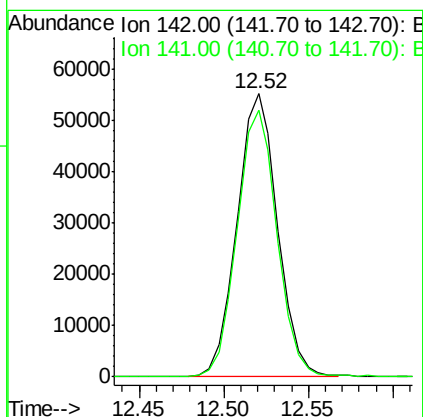
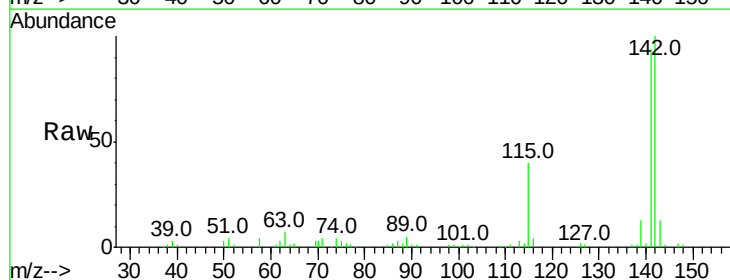
Instrument :
BNA_G
ClientSampled :
D9N67

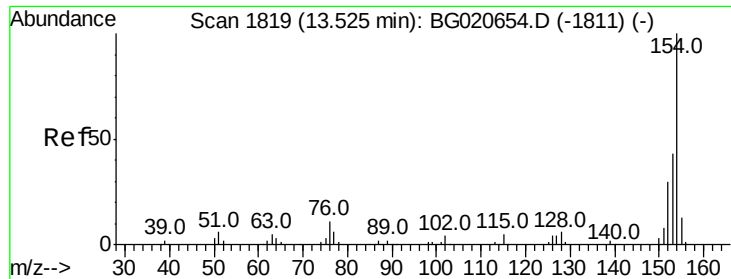
Tot Ion:128 Resp: 783831
Ion Ratio Lower Upper
128 100
129 11.6 8.3 12.5
127 14.3 10.8 16.2



#34
2-Methylnaphthalene
Concen: 32.95 ng/ul
RT: 12.52 min Scan# 1648
Delta R.T. 0.00 min
Lab File: BG020662.D
Acq: 5 Jan 2016 19:41

Tgt Ion:142 Resp: 91789
Ion Ratio Lower Upper
142 100
141 94.1 71.4 107.2

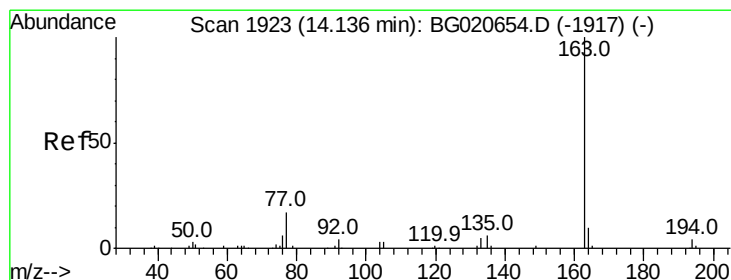
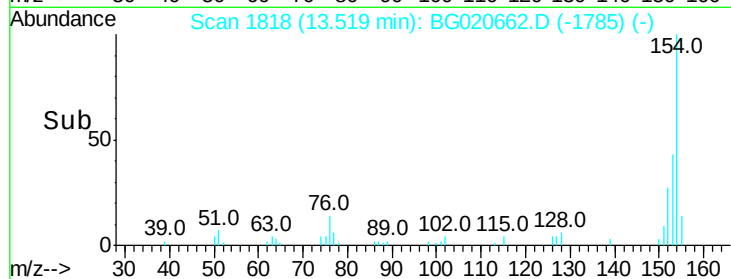
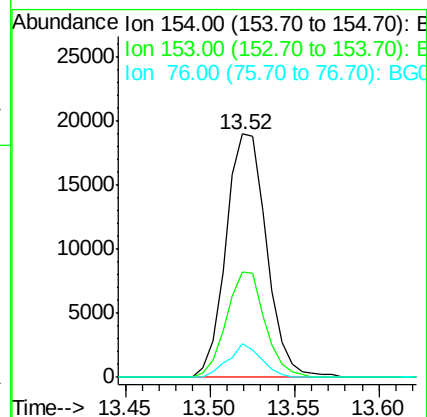
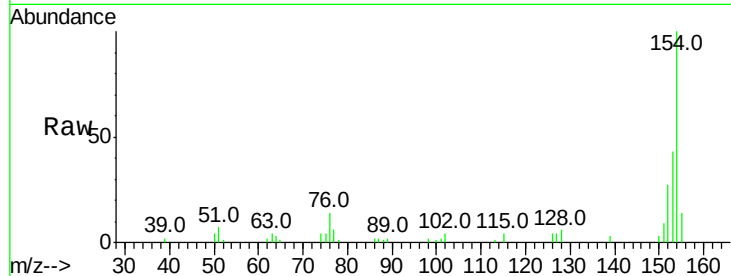




#41
 1,1'-Biphenyl
 Concen: 8.27 ng/ul
 RT: 13.52 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BG020662.D
 Acq: 5 Jan 2016 19:41

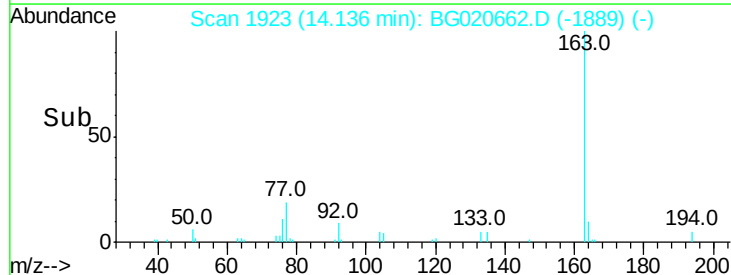
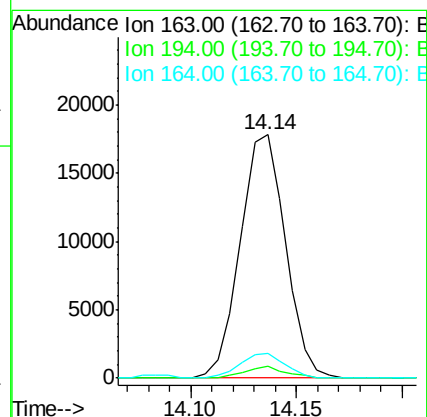
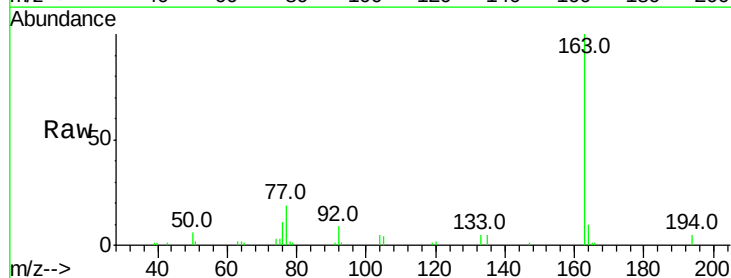
Instrument :
 BNA_G
 ClientSampleId :
 D9N67

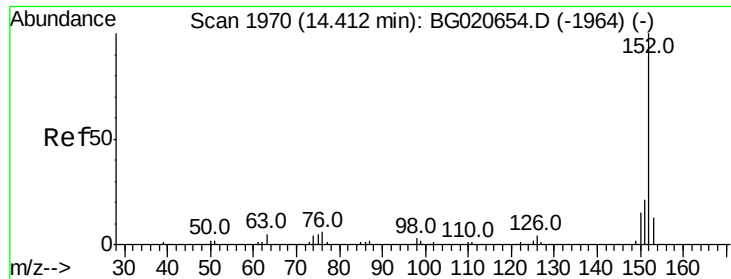
Tot Ion	Ratio	Lower	Upper
154	100		
153	43.2	34.0	51.0
76	13.7	8.4	12.6



#45
 Dimethylphthalate
 Concen: 6.21 ng/ul
 RT: 14.14 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: BG020662.D
 Acq: 5 Jan 2016 19:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	4.0	6.0
164	10.0	8.4	12.6





#48

Acenaphthylene

Concen: 3.45 ng/ul

RT: 14.41 min Scan# 1970

Delta R.T. 0.00 min

Lab File: BG020662.D

Acq: 5 Jan 2016 19:41

Instrument :

BNA_G

ClientSampleId :

D9N67

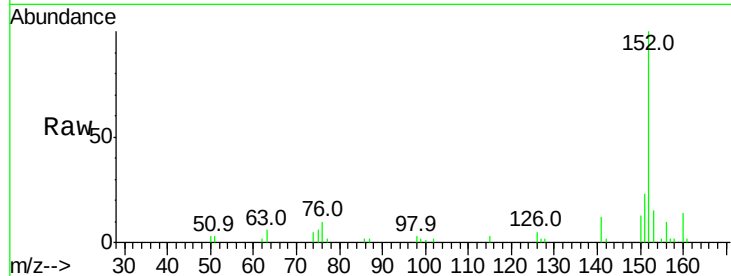
Tot Ion:152 Resp: 17446

Ion Ratio Lower Upper

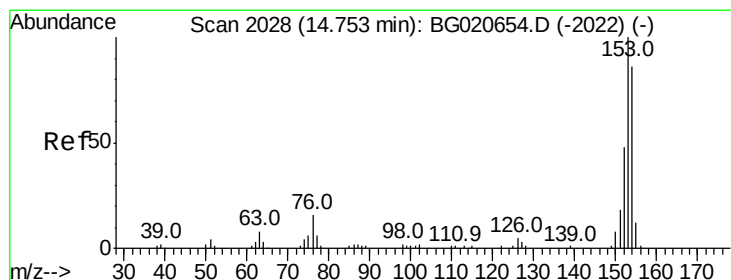
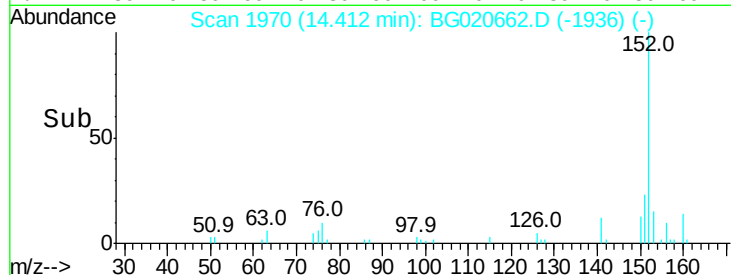
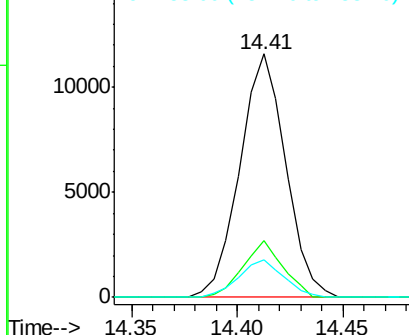
152 100

151 23.2 16.1 24.1

153 15.5 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: 44.38 ng/ul

RT: 14.75 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BG020662.D

Acq: 5 Jan 2016 19:41

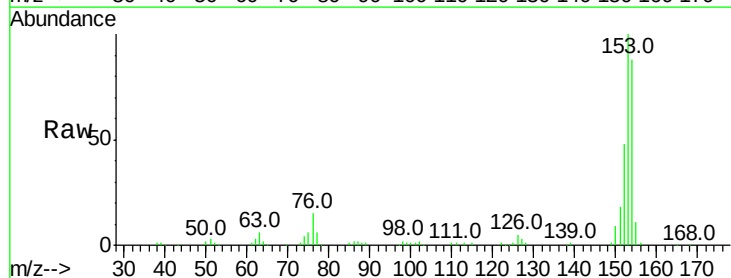
Tgt Ion:153 Resp: 151676

Ion Ratio Lower Upper

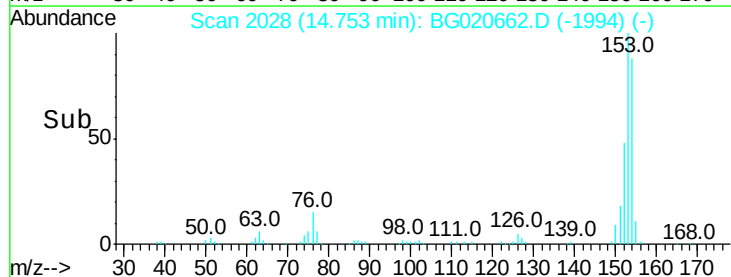
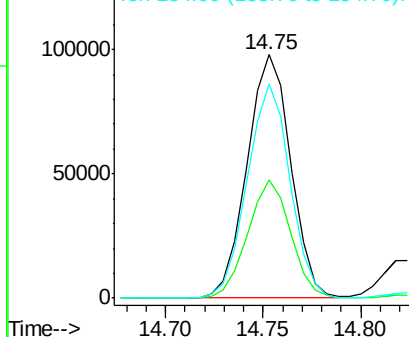
153 100

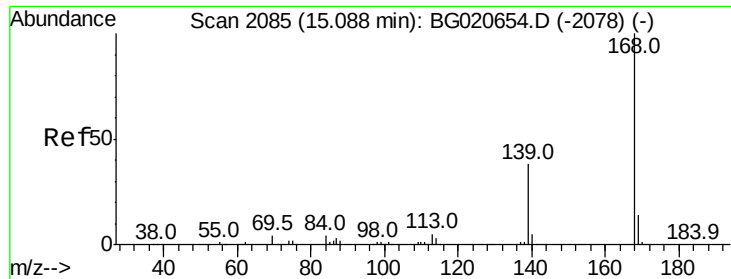
152 48.4 37.9 56.9

154 87.8 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

Dibenzenofuran

Concen: 24.39 ng/ul

RT: 15.09 min Scan# 2085

Delta R.T. 0.00 min

Lab File: BG020662.D

Acq: 5 Jan 2016 19:41

Instrument :

BNA_G

ClientSampleId :

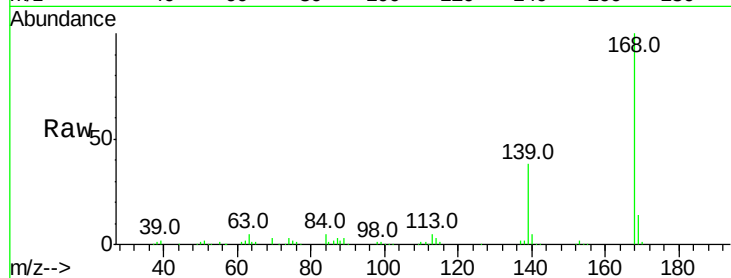
D9N67

Tot Ion:168 Resp: 125957

Ion Ratio Lower Upper

168 100

139 37.6 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

80000

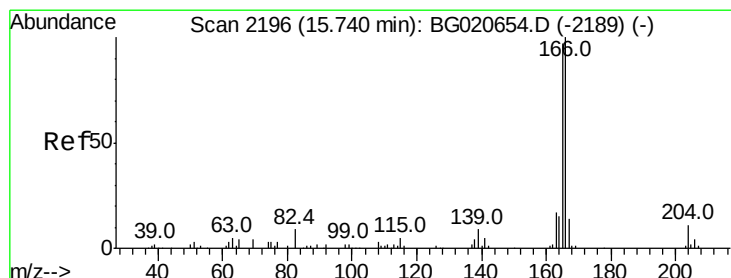
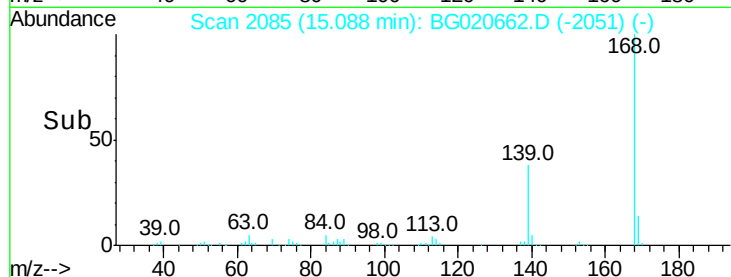
60000

40000

20000

0

Time--> 15.00 15.05 15.10 15.15



#59

Fluorene

Concen: 23.32 ng/ul

RT: 15.73 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BG020662.D

Acq: 5 Jan 2016 19:41

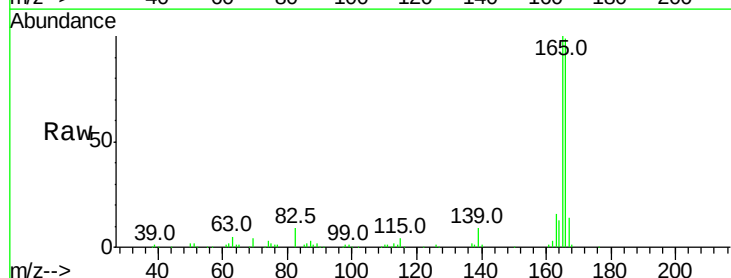
Tgt Ion:166 Resp: 96876

Ion Ratio Lower Upper

166 100

165 100.7 78.4 117.6

167 14.2 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

80000

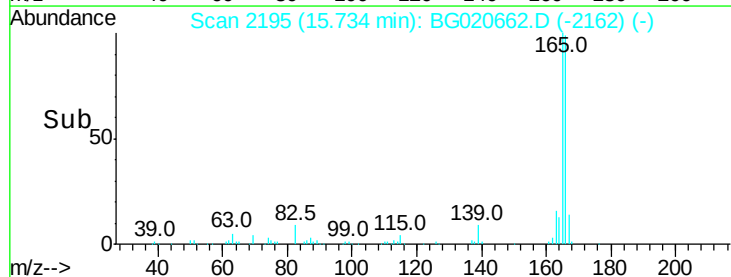
60000

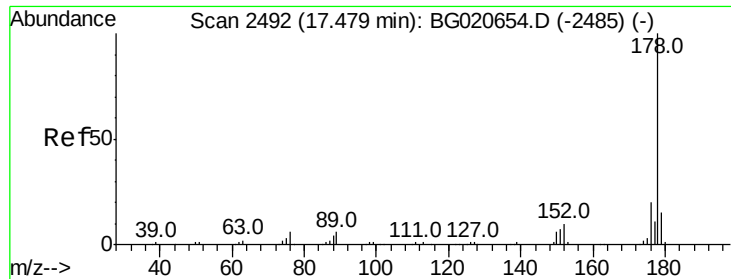
40000

20000

0

Time--> 15.70 15.75 15.80

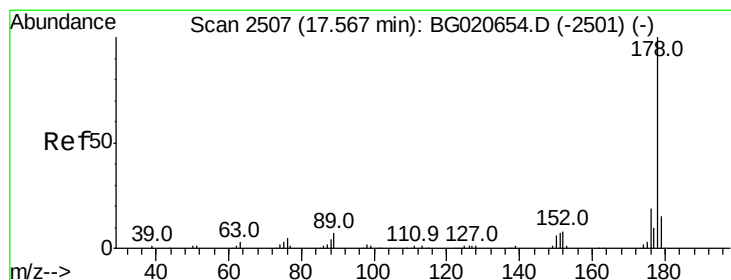
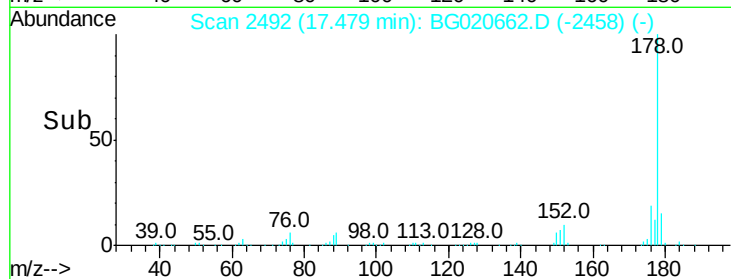
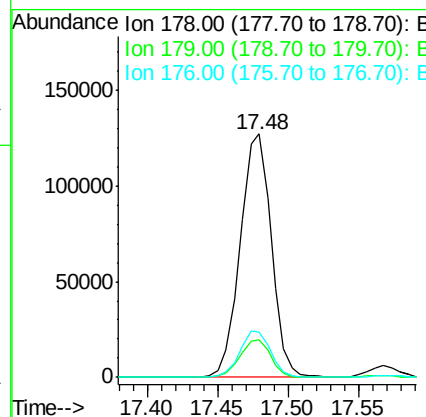
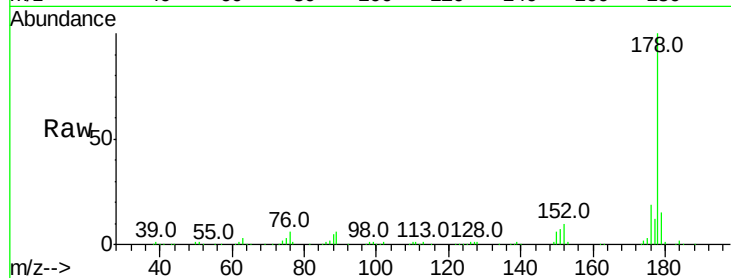




#70
 Phenanthrene
 Concen: 26.64 ng/ul
 RT: 17.48 min Scan# 2492
 Delta R.T. 0.00 min
 Lab File: BG020662.D
 Acq: 5 Jan 2016 19:41

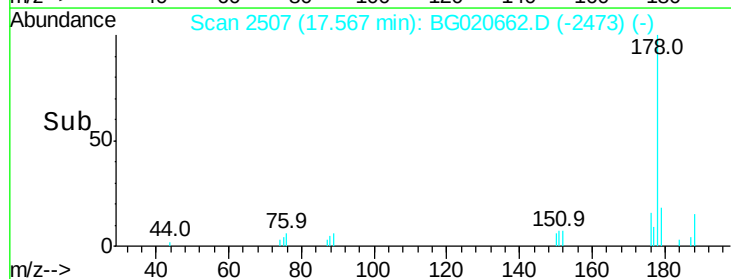
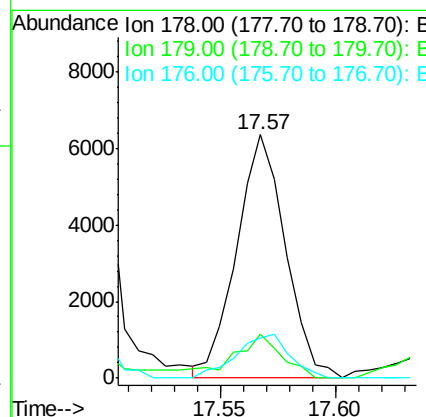
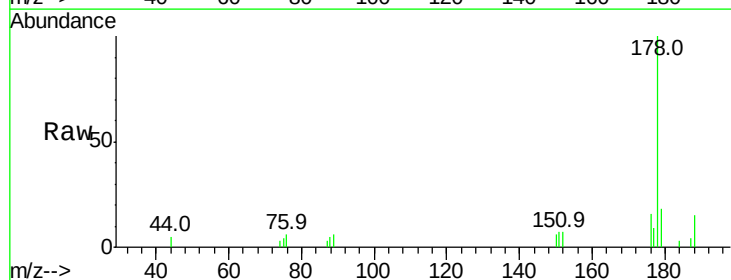
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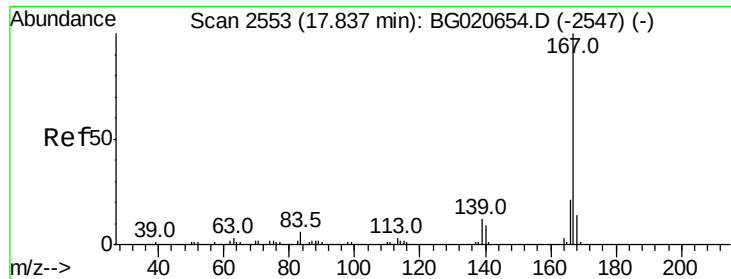
Tot Ion:178 Resp: 195758
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.3 18.5
 176 18.5 15.4 23.0



#72
 Anthracene
 Concen: 1.24 ng/ul
 RT: 17.57 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: BG020662.D
 Acq: 5 Jan 2016 19:41

Tgt Ion:178 Resp: 9347
 Ion Ratio Lower Upper
 178 100
 179 17.9 13.4 20.2
 176 16.4 15.4 23.0





#75

Carbazole

Concen: 9.32 ng/ul

RT: 17.84 min Scan# 2553

Delta R.T. 0.00 min

Lab File: BG020662.D

Acq: 5 Jan 2016 19:41

Instrument :

BNA_G

ClientSampleId :

D9N67

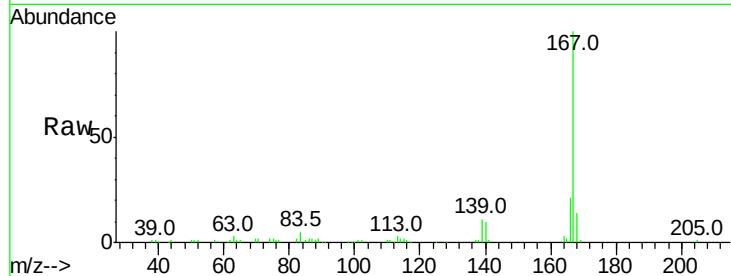
Tot Ion:167 Resp: 59122

Ion Ratio Lower Upper

167 100

166 20.6 17.0 25.4

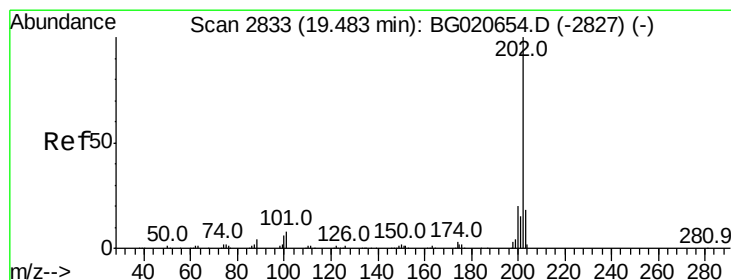
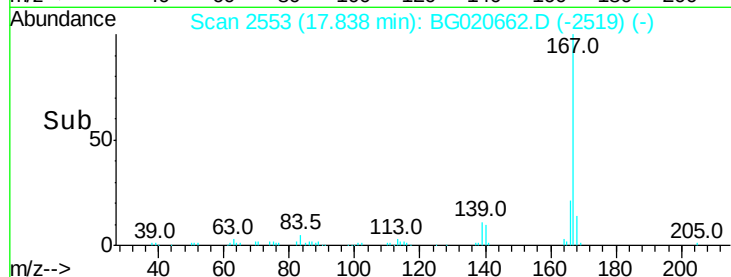
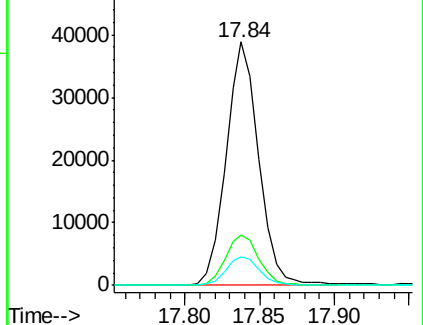
139 11.5 9.1 13.7



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: 3.26 ng/ul

RT: 19.48 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BG020662.D

Acq: 5 Jan 2016 19:41

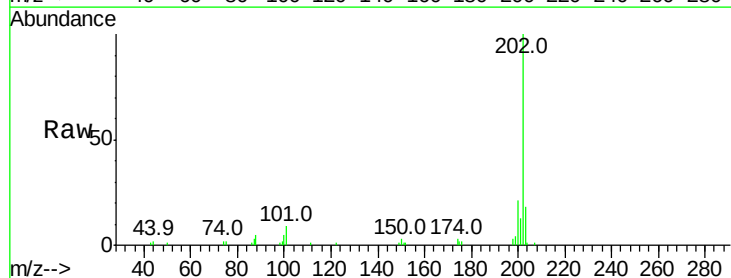
Tgt Ion:202 Resp: 29301

Ion Ratio Lower Upper

202 100

101 8.5 6.1 9.1

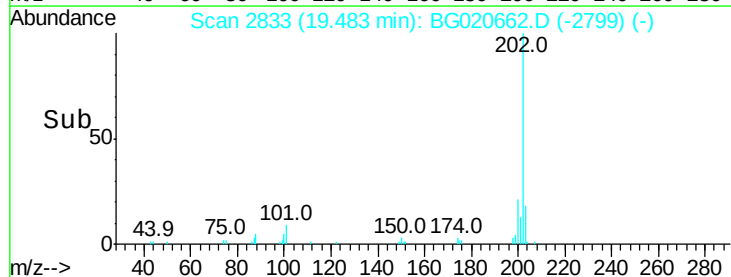
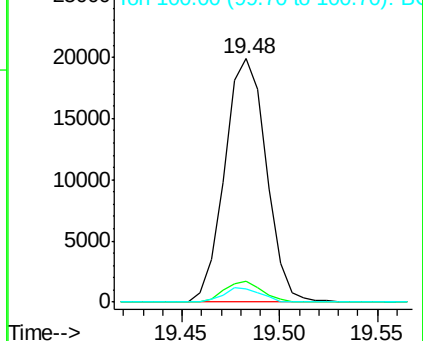
100 5.5 4.6 7.0

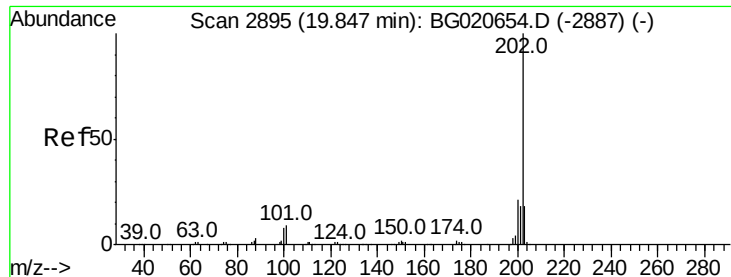


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

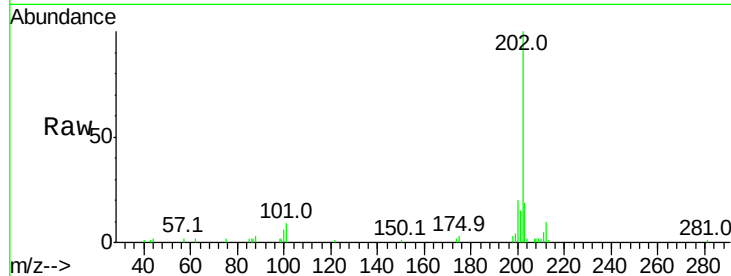




#80
 Pvrene
 Concen: 1.83 ng/ul
 RT: 19.85 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: BG020662.D
 Acq: 5 Jan 2016 19:41

Instrument :
 BNA_G
 ClientSampleId :
 D9N67

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.5	6.9	10.3
100	6.1	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

