

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
 Data File : BG020517.D
 Acq On : 25 Dec 2015 23:44
 Operator : UM/SJ
 Sample : G4847-07
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N71

Quant Time: Dec 26 04:20:51 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 26 02:12:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	16140	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	73325	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	53466	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	140992	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	179187	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	171876	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	334	1.14	ng/uL	0.00
5) Phenol-d5	7.24	99	10017	7.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	26799	34.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	28192	28.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	20587	18.89	ng/ul	0.00
19) Nitrobenzene-d5	9.24	128	20109	34.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	23052	35.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	38854	30.72	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	584	0.40	ng/ul	0.01
44) Dimethylphthalate-d6	14.11	166	160050	36.32	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	176847	34.64	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	4561	6.21	ng/ul	0.00
58) Fluorene-d10	15.70	176	141661	35.55	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	27639	29.58	ng/ul	0.00
71) Anthracene-d10	17.56	188	240941	36.48	ng/ul	0.00
79) Pyrene-d10	19.83	212	292062	37.65	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.76	264	328804	37.84	ng/ul	0.00

Target Compounds

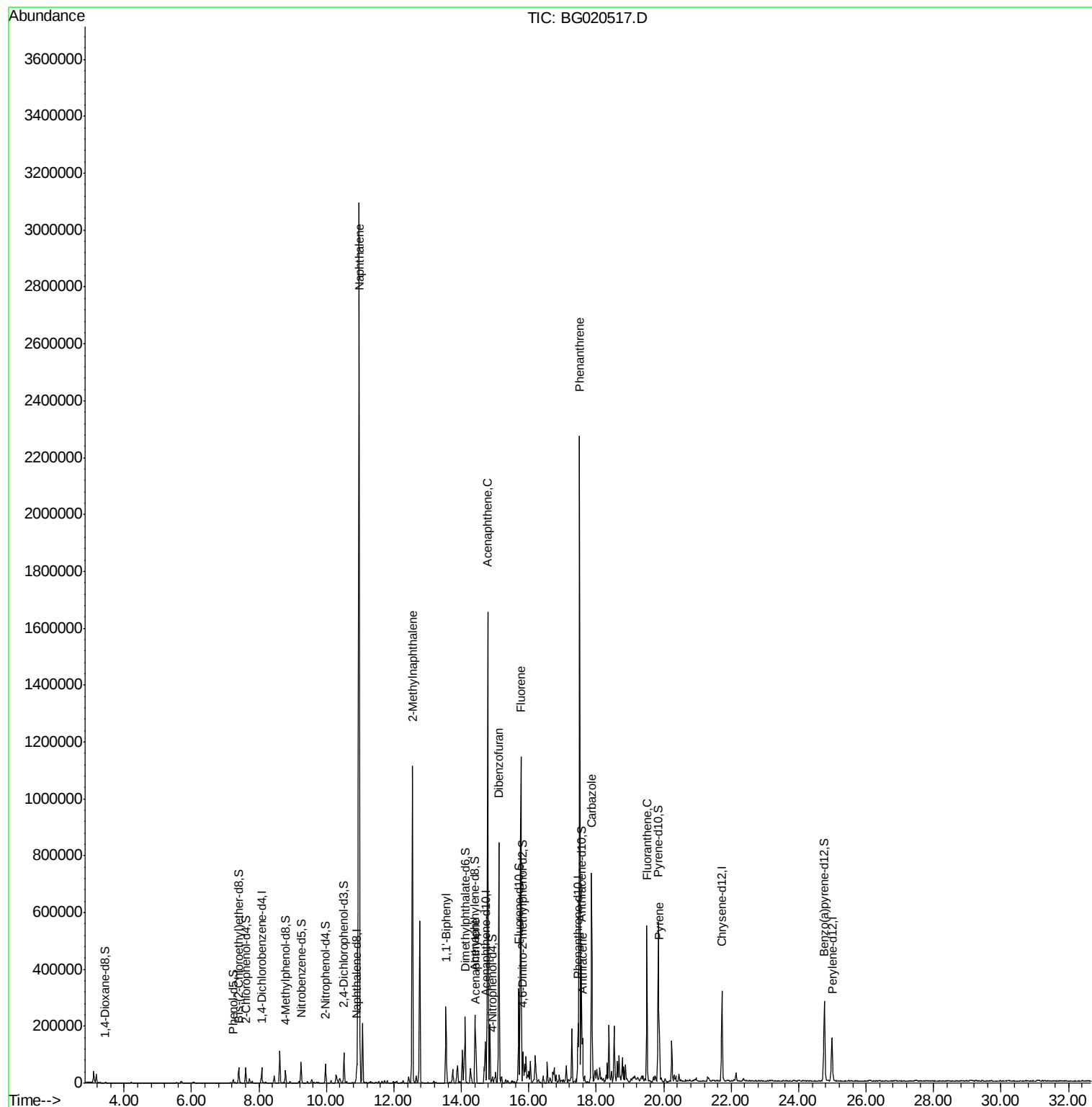
						Ovalue
28) Naphthalene	10.97	128	2898505	743.61	ng/ul#	84
34) 2-Methylnaphthalene	12.55	142	540082	187.26	ng/ul	98
41) 1,1'-Biphenyl	13.54	154	145010	35.14	ng/ul	95
48) Acenaphthylene	14.44	152	65077	12.13	ng/ul	97
50) Acenaphthene	14.78	153	716257	197.41	ng/ul	97
54) Dibenzofuran	15.11	168	563395	104.37	ng/ul	100
59) Fluorene	15.76	166	554210	126.70	ng/ul	97
70) Phenanthrene	17.51	178	1464840	186.72	ng/ul	93
72) Anthracene	17.59	178	96698	12.05	ng/ul	98
75) Carbazole	17.86	167	514308	76.08	ng/ul	99
77) Fluoranthene	19.51	202	371258	37.63	ng/ul	98
80) Pyrene	19.86	202	212787	21.00	ng/ul	97

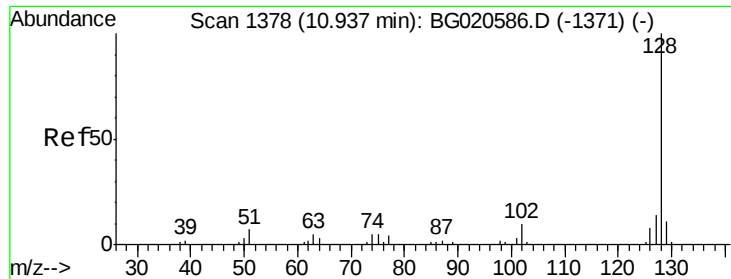
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 743.61 ng/ul

RT: 10.97 min Scan# 1384

Delta R.T. 0.03 min

Lab File: BG020517.D

Acq: 25 Dec 2015 23:44

Instrument :

BNA_G

ClientSampleId :

D9N71

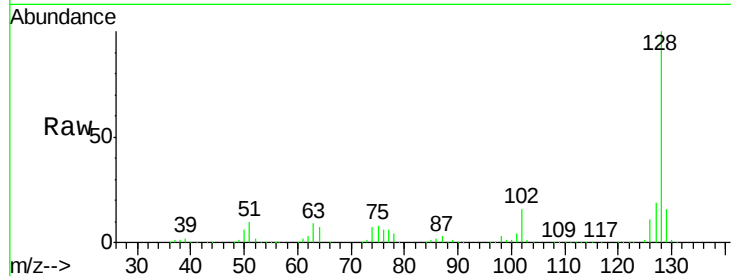
Tot Ion:128 Resp: 2898505

Ion Ratio Lower Upper

128 100

129 15.9 8.6 12.8#

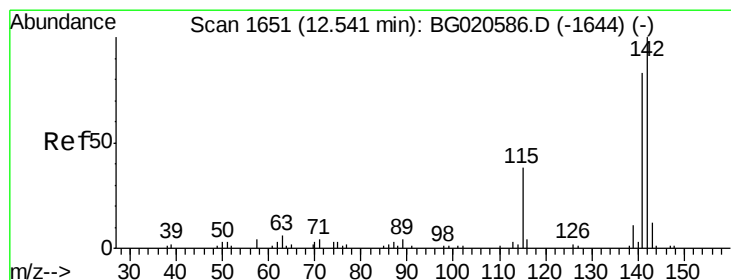
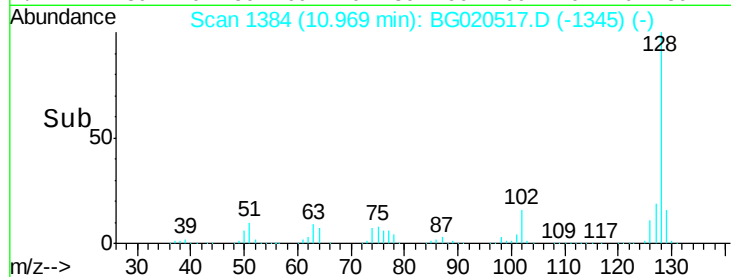
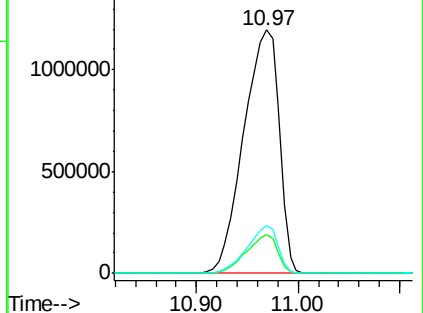
127 19.4 10.1 15.1#



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: 187.26 ng/ul

RT: 12.55 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BG020517.D

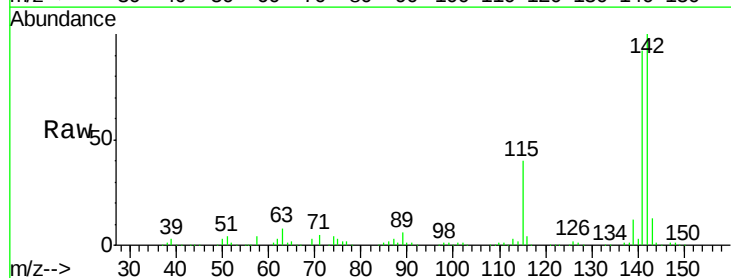
Acq: 25 Dec 2015 23:44

Tgt Ion:142 Resp: 540082

Ion Ratio Lower Upper

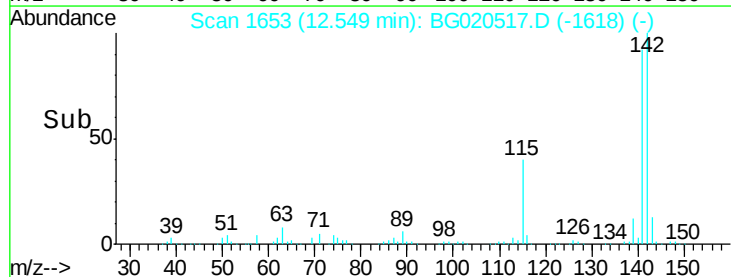
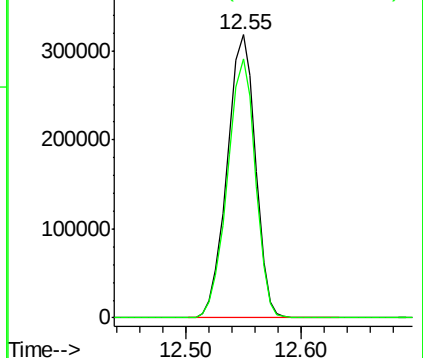
142 100

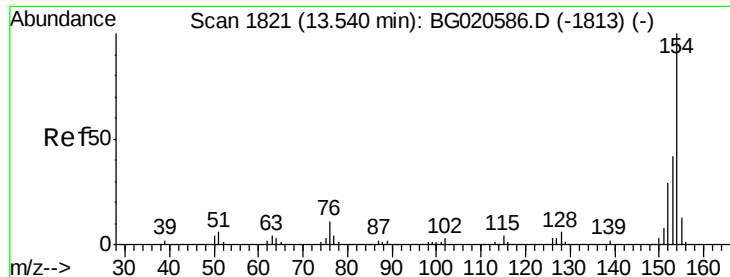
141 91.7 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

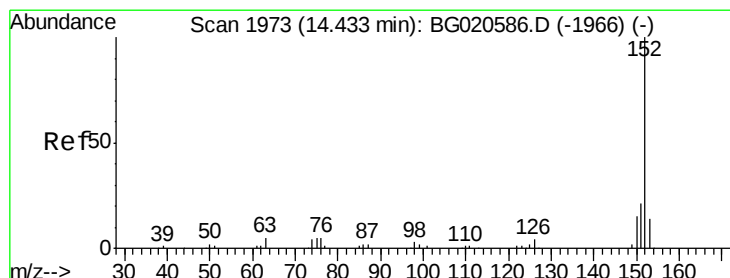
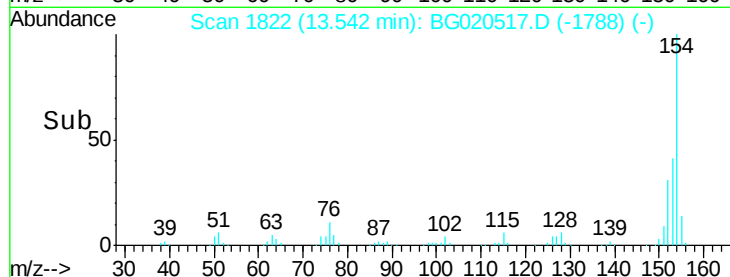
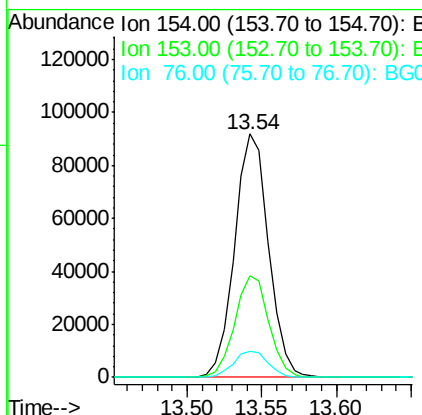
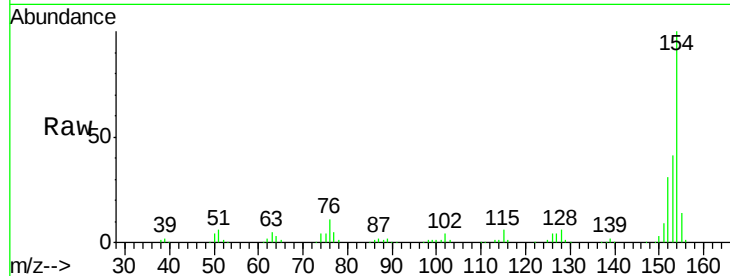




#41
 1,1'-Biphenyl
 Concen: 35.14 ng/ul
 RT: 13.54 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: BG020517.D
 Acq: 25 Dec 2015 23:44

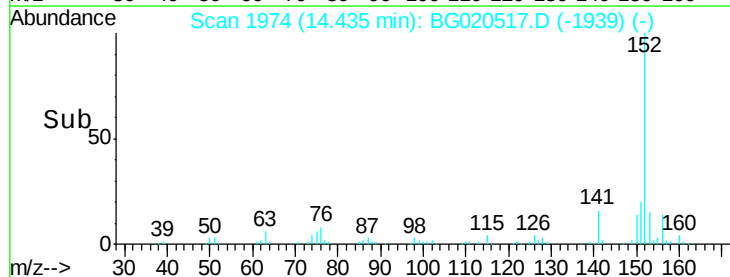
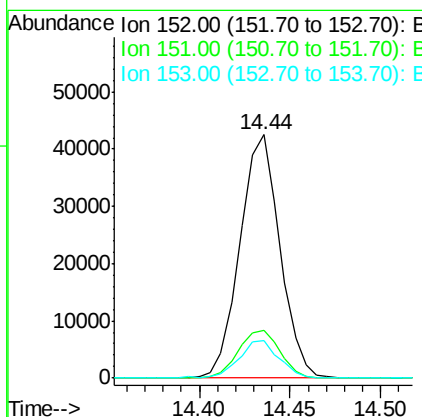
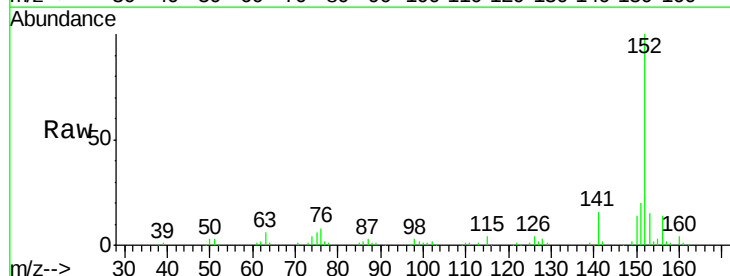
Instrument :
 BNA_G
 ClientSampleId :
 D9N71

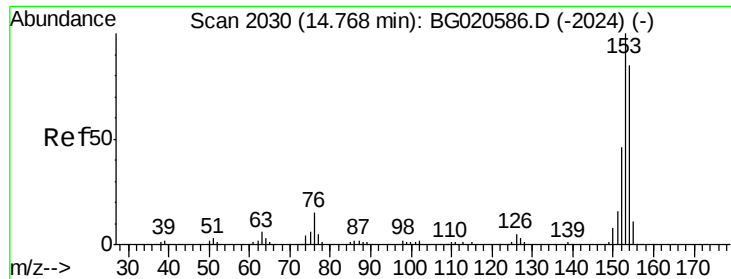
Tot Ion:154 Resp: 145010
 Ion Ratio Lower Upper
 154 100
 153 41.5 35.5 53.3
 76 10.8 10.4 15.6



#48
 Acenaphthylene
 Concen: 12.13 ng/ul
 RT: 14.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: BG020517.D
 Acq: 25 Dec 2015 23:44

Tgt Ion:152 Resp: 65077
 Ion Ratio Lower Upper
 152 100
 151 19.7 16.4 24.6
 153 15.3 10.4 15.6





#50

Acenaphthene

Concen: 197.41 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BG020517.D

Acq: 25 Dec 2015 23:44

Instrument :

BNA_G

ClientSampleId :

D9N71

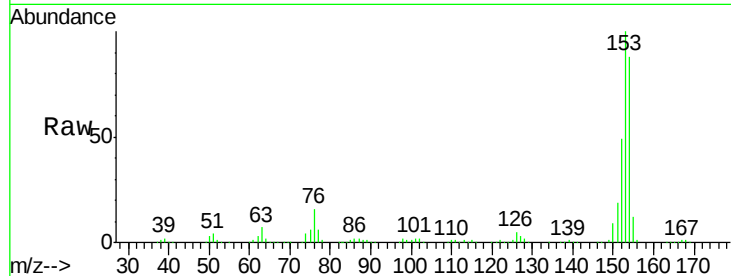
Tot Ion:153 Resp: 716257

Ion Ratio Lower Upper

153 100

152 49.3 37.6 56.4

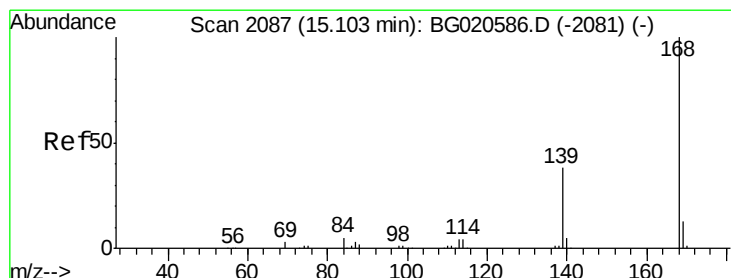
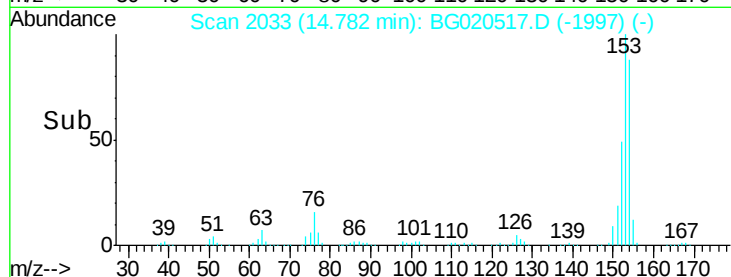
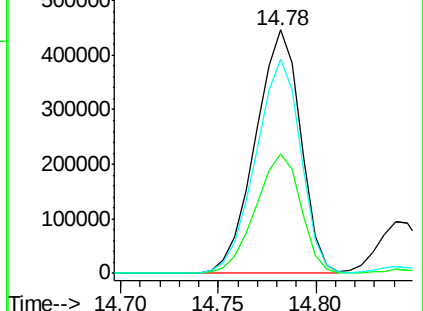
154 87.8 67.9 101.9



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: 104.37 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BG020517.D

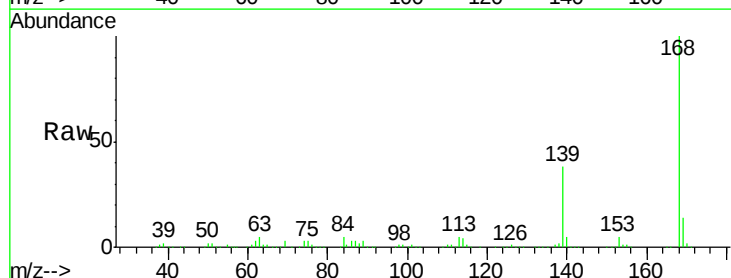
Acq: 25 Dec 2015 23:44

Tgt Ion:168 Resp: 563395

Ion Ratio Lower Upper

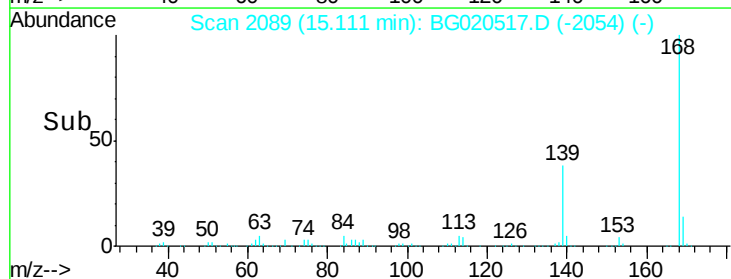
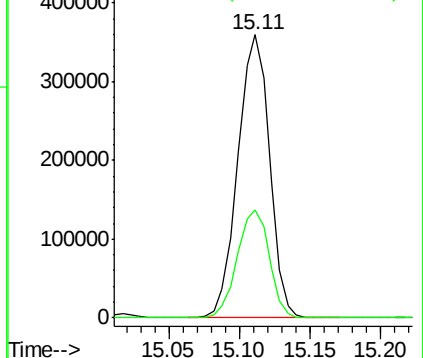
168 100

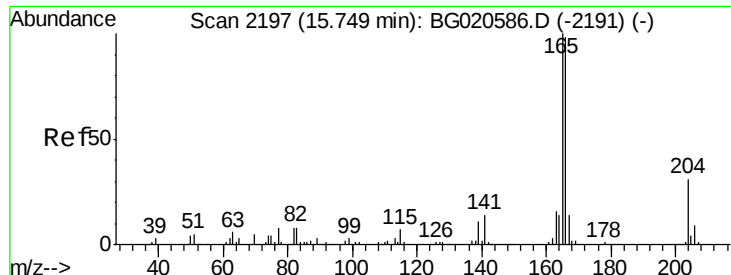
139 38.4 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

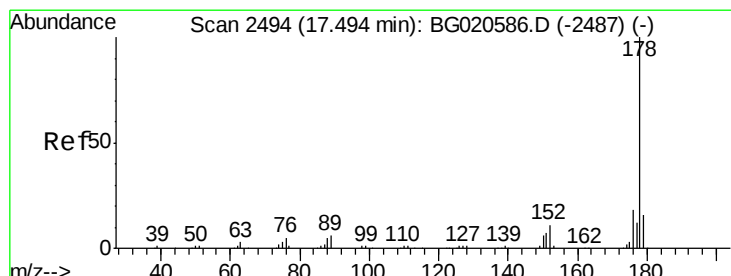
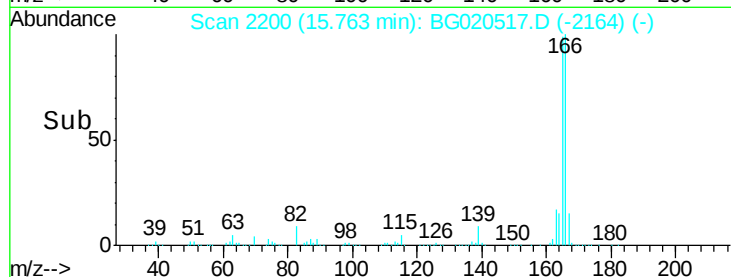
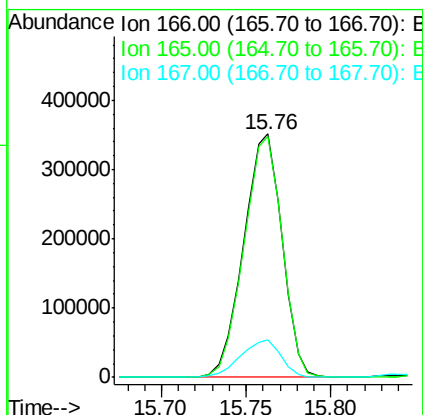
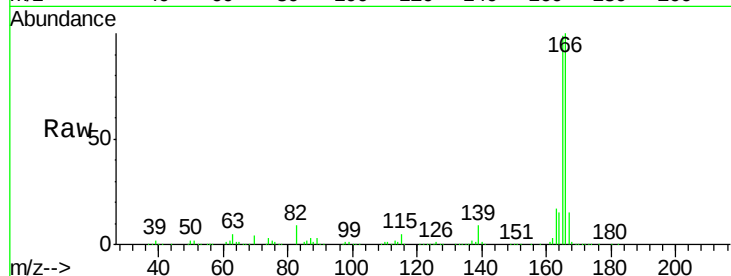




#59
 Fluorene
 Concen: 126.70 ng/ul
 RT: 15.76 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: BG020517.D
 Acq: 25 Dec 2015 23:44

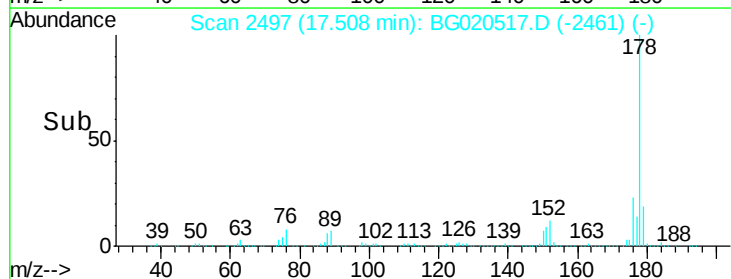
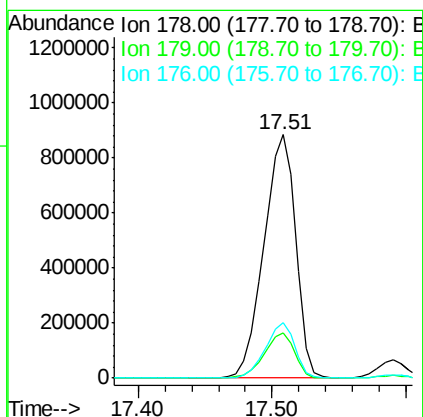
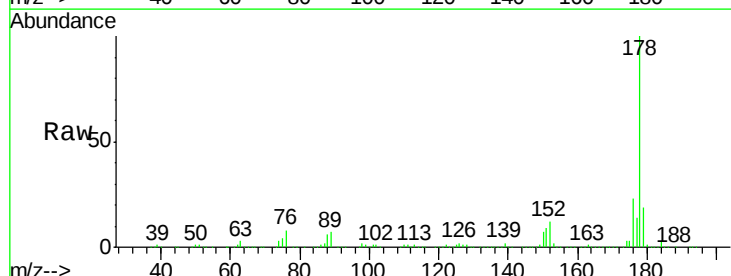
Instrument :
 BNA_G
 ClientSampleId :
 D9N71

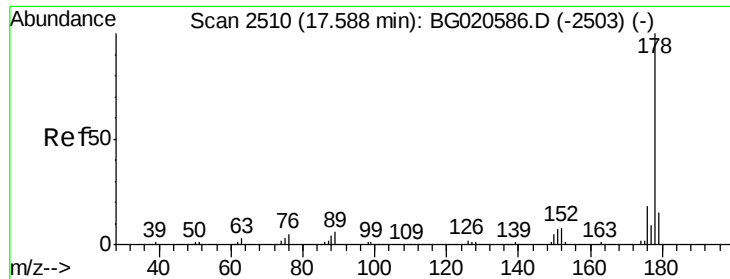
Tot Ion:166 Resp: 554210
 Ion Ratio Lower Upper
 166 100
 165 98.9 81.4 122.0
 167 15.2 11.2 16.8



#70
 Phenanthrene
 Concen: 186.72 ng/ul
 RT: 17.51 min Scan# 2497
 Delta R.T. 0.01 min
 Lab File: BG020517.D
 Acq: 25 Dec 2015 23:44

Tgt Ion:178 Resp: 1464840
 Ion Ratio Lower Upper
 178 100
 179 18.8 12.9 19.3
 176 22.6 15.3 22.9





#72

Anthracene

Concen: 12.05 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG020517.D

Acq: 25 Dec 2015 23:44

Instrument :

BNA_G

ClientSampleId :

D9N71

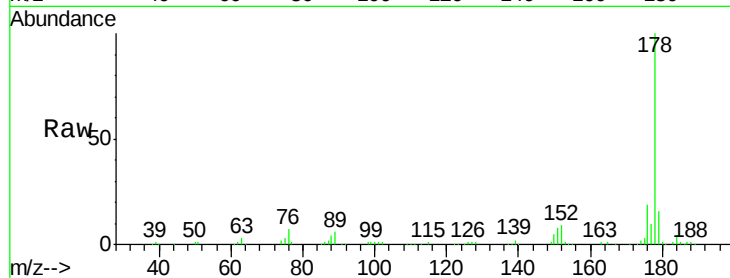
Tot Ion:178 Resp: 96698

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

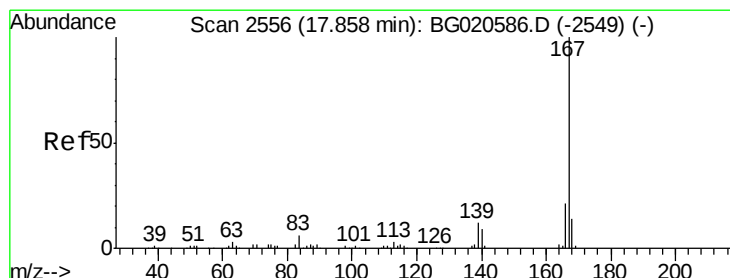
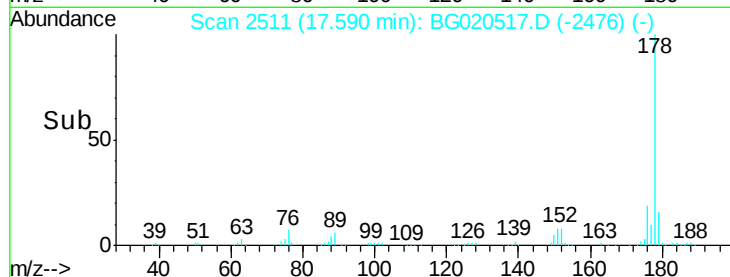
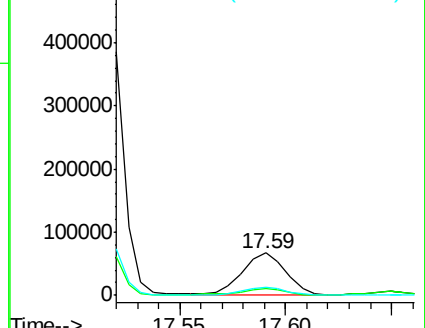
176 18.8 14.3 21.5



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: 76.08 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. 0.00 min

Lab File: BG020517.D

Acq: 25 Dec 2015 23:44

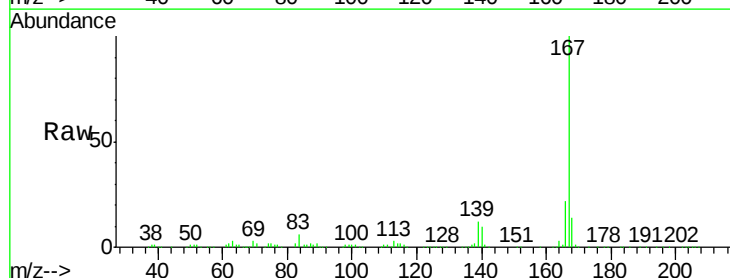
Tgt Ion:167 Resp: 514308

Ion Ratio Lower Upper

167 100

166 22.2 17.0 25.6

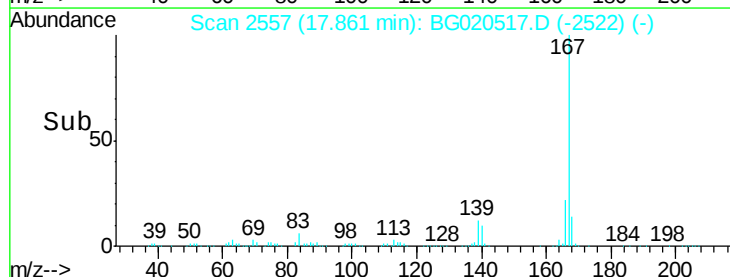
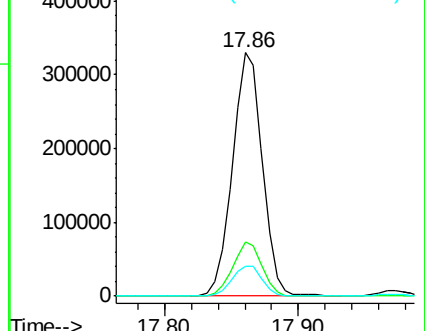
139 12.4 10.1 15.1

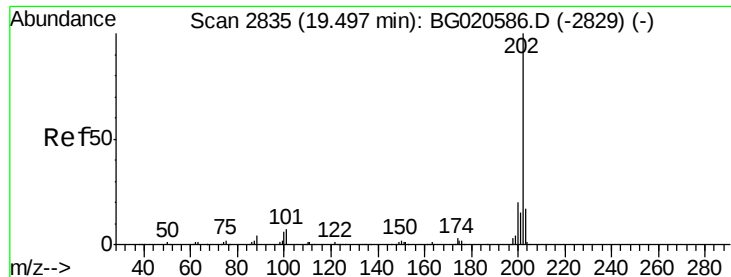


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 37.63 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. 0.00 min

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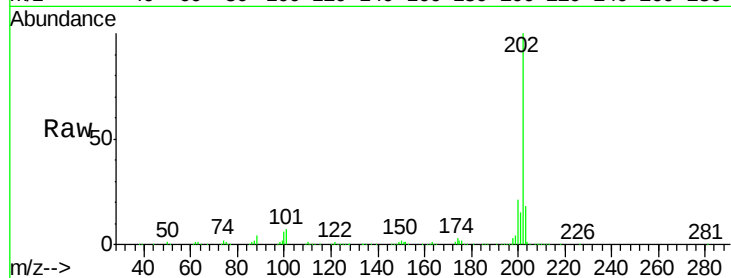
Tot Ion:202 Resp: 371258

Ion Ratio Lower Upper

202 100

101 6.9 6.2 9.4

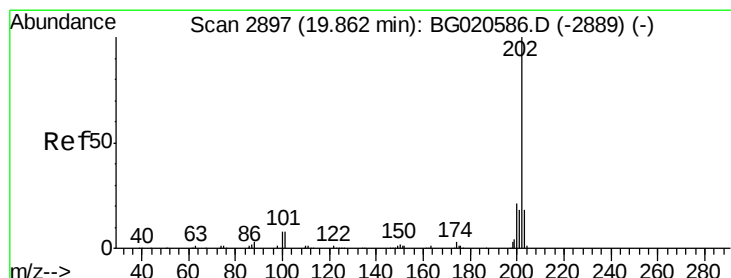
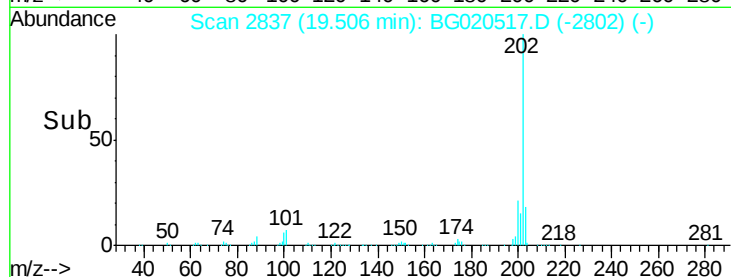
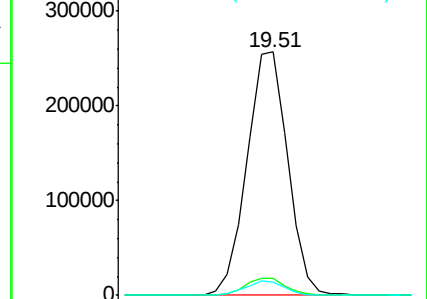
100 5.6 5.1 7.7



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

Pyrene

Concen: 21.00 ng/ul

RT: 19.86 min Scan# 2898

Delta R.T. -0.00 min

Lab File: BG020517.D

Acq: 25 Dec 2015 23:44

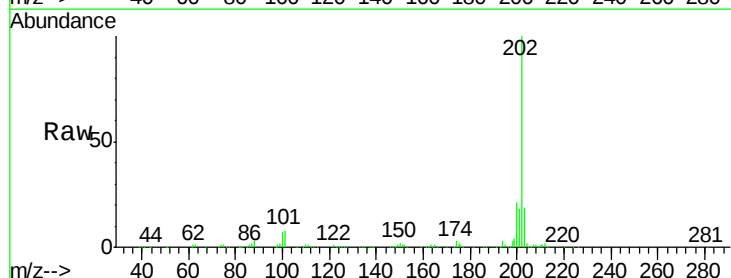
Tgt Ion:202 Resp: 212787

Ion Ratio Lower Upper

202 100

101 7.8 7.0 10.4

100 6.9 6.4 9.6



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

