

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122815\
 Data File : BG020584.D
 Acq On : 29 Dec 2015 4:19
 Operator : UM/SJ
 Sample : G4802-10DL 30X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D85DL

Quant Time: Dec 29 05:11:56 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 29 05:04:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	13828	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	60278	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	48767	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.45	188	136562	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	170279	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	165209	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.40	99	194	0.17	ng/ul	0.17
7) Bis-(2-Chloroethyl)ether-d	7.39	67	140	0.21	ng/ul	0.00
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	8.80	113	160	0.17	ng/ul	0.02
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	11.03	131	115	0.10	ng/ul	0.01
44) Dimethylphthalate-d6	14.11	166	3261	0.81	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	3964	0.85	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.69	176	3772	1.04	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.45	188	136562	21.35	ng/ul	-0.10
79) Pyrene-d10	19.84	212	6908	0.94	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	7140	0.85	ng/ul	0.00

Target Compounds

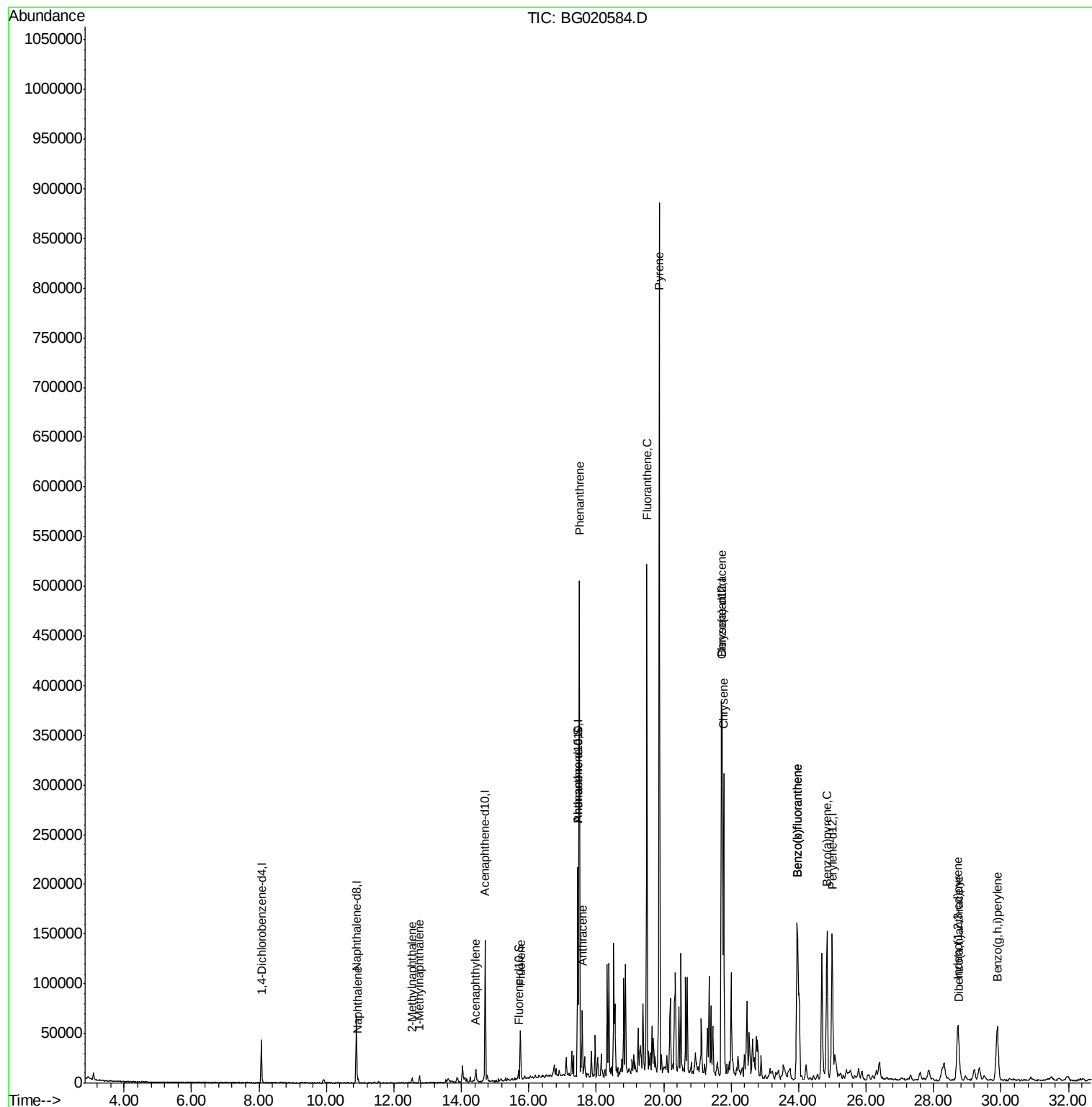
						Qvalue
28) Naphthalene	10.94	128	4421	1.38	ng/ul#	92
34) 2-Methylnaphthalene	12.54	142	3017	1.27	ng/ul	91
35) 1-Methylnaphthalene	12.75	142	4180	1.86	ng/ul#	84
48) Acenaphthylene	14.43	152	8866	1.81	ng/ul#	91
59) Fluorene	15.75	166	23695	5.94	ng/ul	96
70) Phenanthrene	17.50	178	340577	44.82	ng/ul	99
72) Anthracene	17.59	178	44871	5.77	ng/ul	100
77) Fluoranthene	19.50	202	328100	34.34	ng/ul	98
80) Pyrene	19.86	202	582117	60.45	ng/ul	100
83) Benzo(a)anthracene	21.71	228	221435	22.14	ng/ul	98
85) Chrysene	21.77	228	224927	23.61	ng/ul	98
88) Benzo(b)fluoranthene	23.96	252	215533	21.74	ng/ul	99
89) Benzo(k)fluoranthene	23.96	252	215533	22.48	ng/ul	99
91) Benzo(a)pyrene	24.84	252	139175	14.60	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.73	276	105885	9.28	ng/ul	97
93) Dibenzo(a,h)anthracene	28.76	278	28524	3.01	ng/ul	97
94) Benzo(g,h,i)perylene	29.88	276	115948	12.37	ng/ul	96

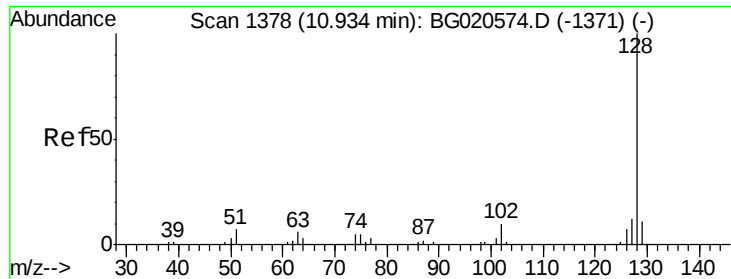
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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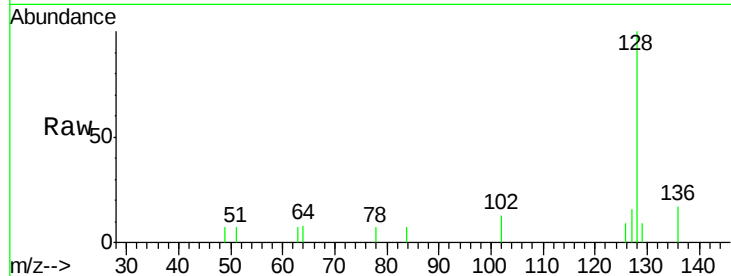




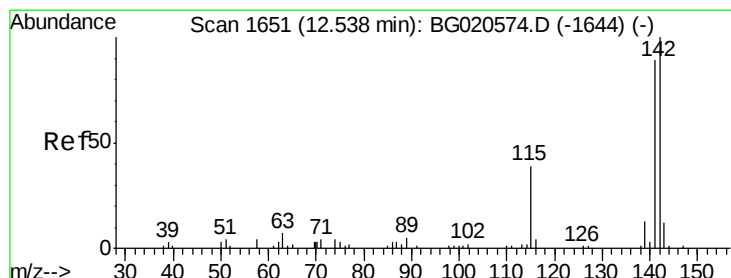
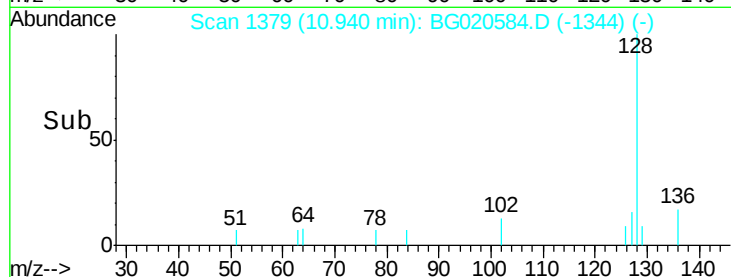
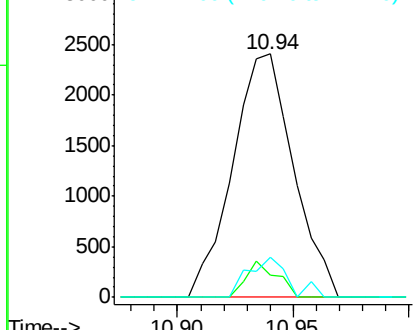
#28
Naphthalene
Concen: 1.38 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. 0.01 min
Lab File: BG020584.D
Acq: 29 Dec 2015 4:19

Instrument :
BNA_G
ClientSampleId :
G9D85DL

Tgt Ion:128 Resp: 4421
Ion Ratio Lower Upper
128 100
129 8.9 8.6 12.8
127 16.5 10.1 15.1#

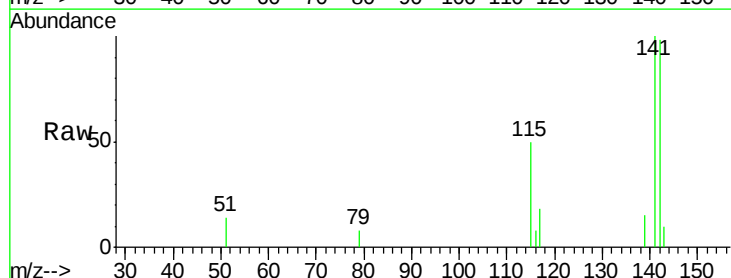


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

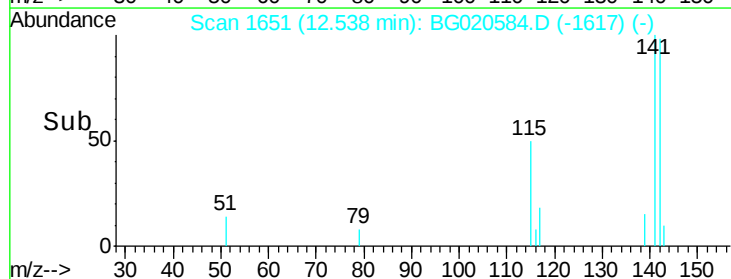
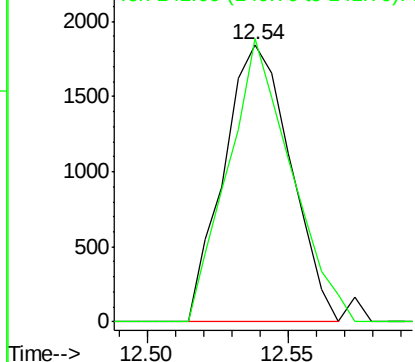


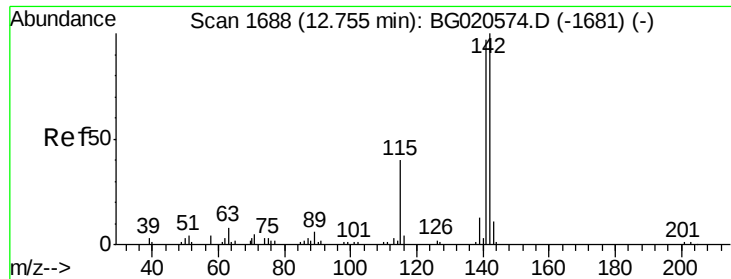
#34
2-Methylnaphthalene
Concen: 1.27 ng/ul
RT: 12.54 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BG020584.D
Acq: 29 Dec 2015 4:19

Tgt Ion:142 Resp: 3017
Ion Ratio Lower Upper
142 100
141 102.2 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

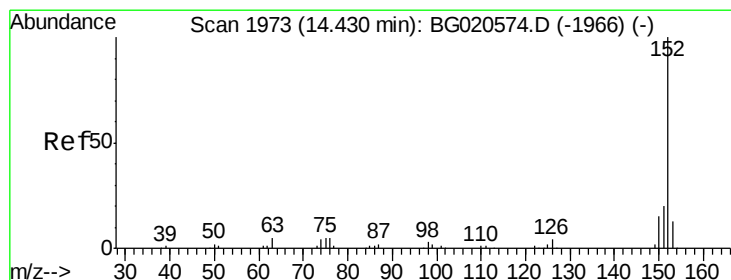
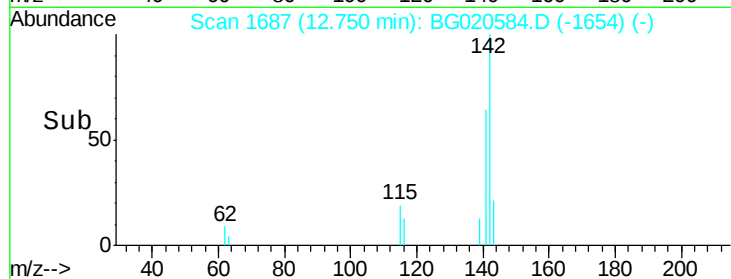
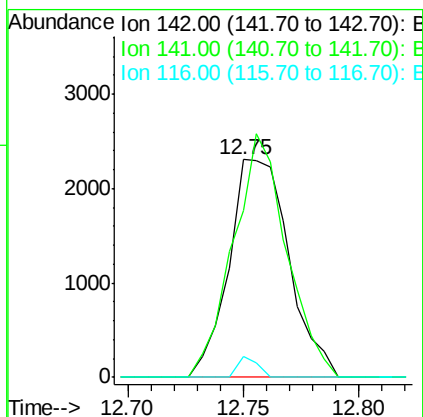
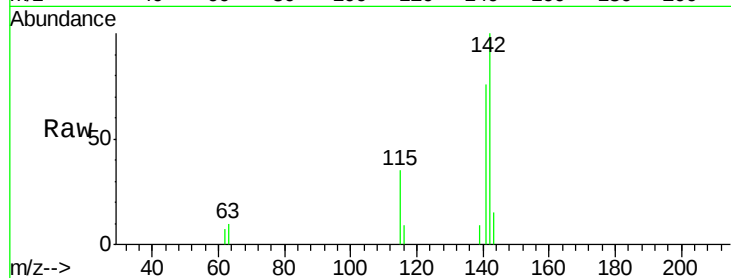




#35
 1-Methylnaphthalene
 Concen: 1.86 ng/ul
 RT: 12.75 min Scan# 1687
 Delta R.T. -0.01 min
 Lab File: BG020584.D
 Acq: 29 Dec 2015 4:19

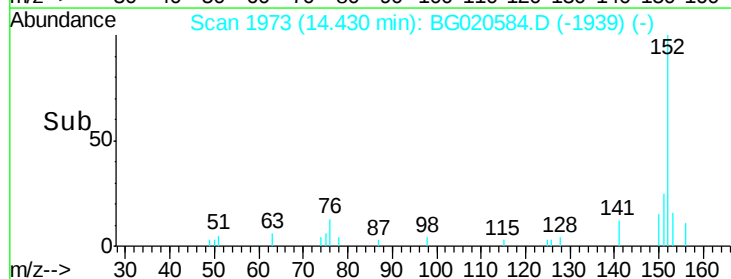
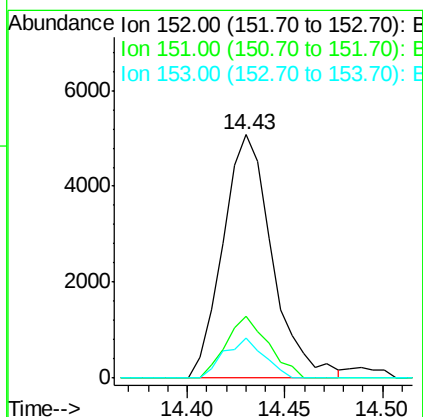
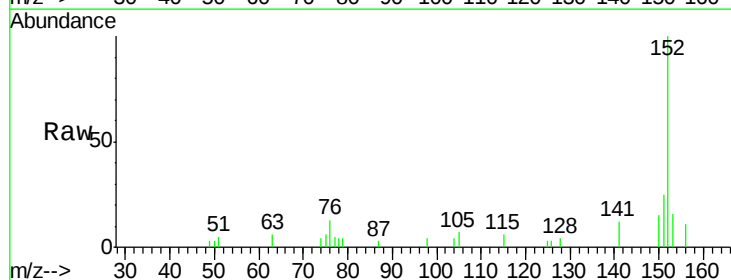
Instrument :
 BNA_G
 ClientSampleId :
 G9D85DL

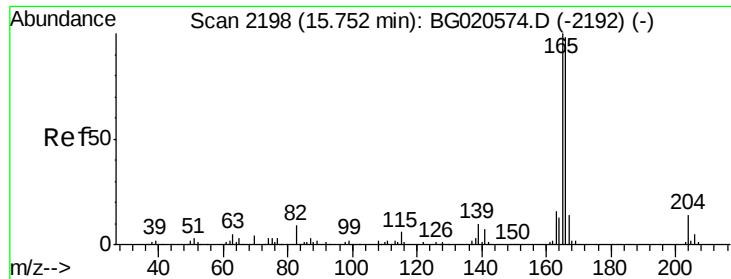
Tgt Ion:142 Resp: 4180
 Ion Ratio Lower Upper
 142 100
 141 76.5 73.0 109.6
 116 9.5 3.0 4.6#



#48
 Acenaphthylene
 Concen: 1.81 ng/ul
 RT: 14.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BG020584.D
 Acq: 29 Dec 2015 4:19

Tgt Ion:152 Resp: 8866
 Ion Ratio Lower Upper
 152 100
 151 25.2 16.4 24.6#
 153 16.3 10.4 15.6#





#59

Fluorene

Concen: 5.94 ng/ul

RT: 15.75 min Scan# 2198

Delta R.T. 0.00 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

Instrument :

BNA_G

ClientSampleId :

G9D85DL

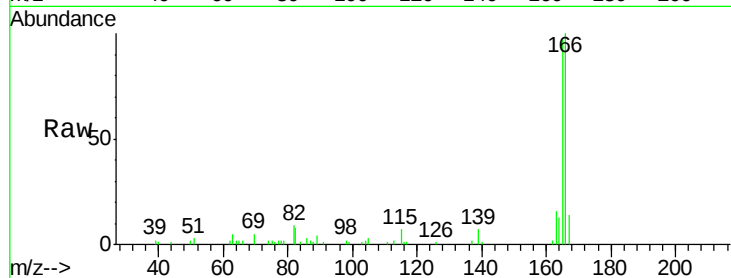
Tgt Ion:166 Resp: 23695

Ion Ratio Lower Upper

166 100

165 97.1 81.4 122.0

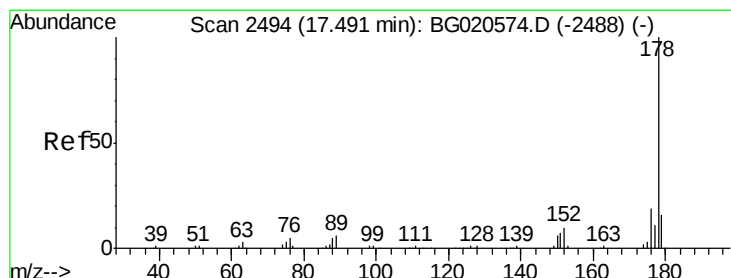
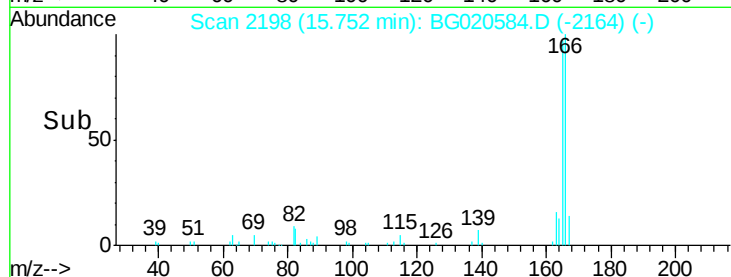
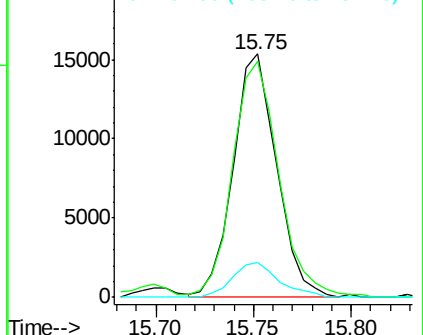
167 14.1 11.2 16.8



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: 44.82 ng/ul

RT: 17.50 min Scan# 2495

Delta R.T. 0.01 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

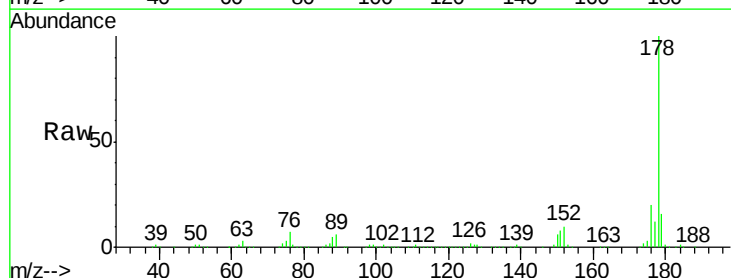
Tgt Ion:178 Resp: 340577

Ion Ratio Lower Upper

178 100

179 15.7 12.9 19.3

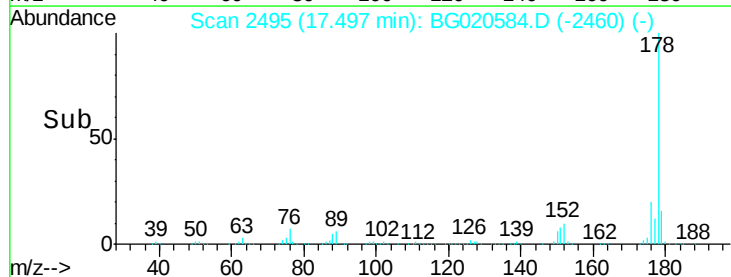
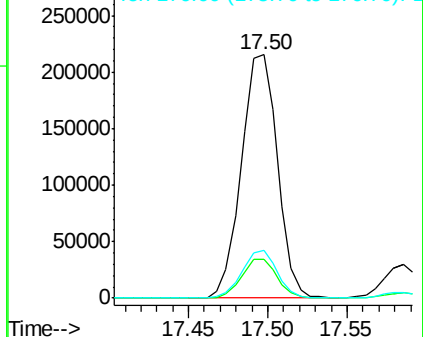
176 19.7 15.3 22.9

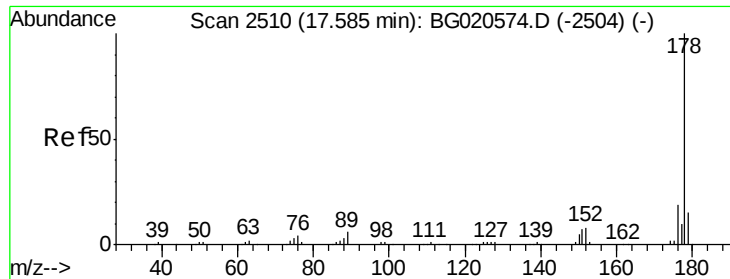


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 5.77 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

Instrument :

BNA_G

ClientSampleId :

G9D85DL

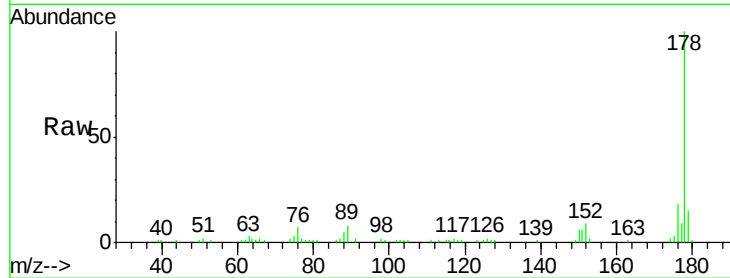
Tgt Ion:178 Resp: 44871

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

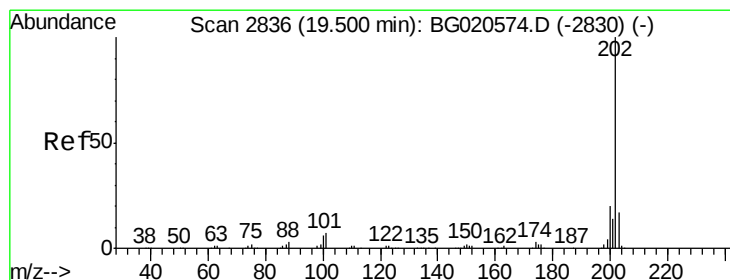
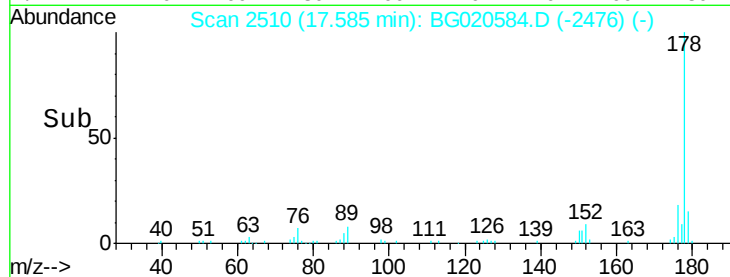
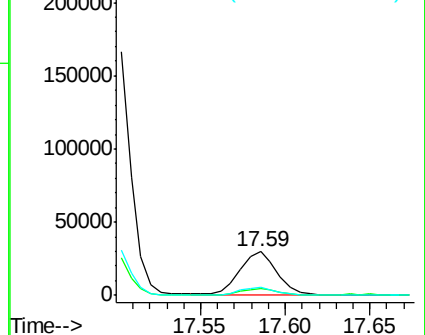
176 17.9 14.3 21.5



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



#77

Fluoranthene

Concen: 34.34 ng/ul

RT: 19.50 min Scan# 2836

Delta R.T. 0.00 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

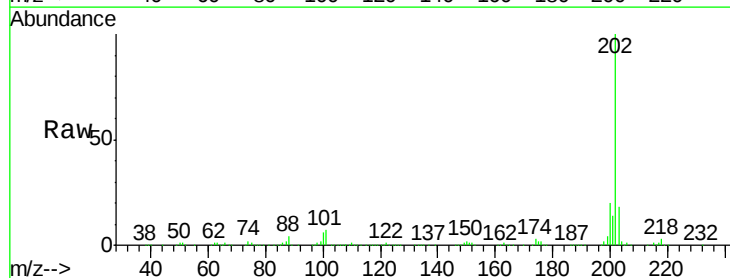
Tgt Ion:202 Resp: 328100

Ion Ratio Lower Upper

202 100

101 7.2 6.2 9.4

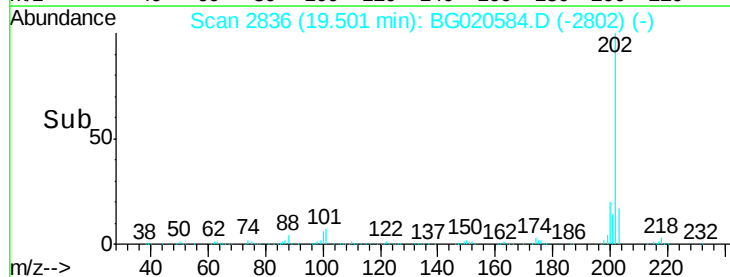
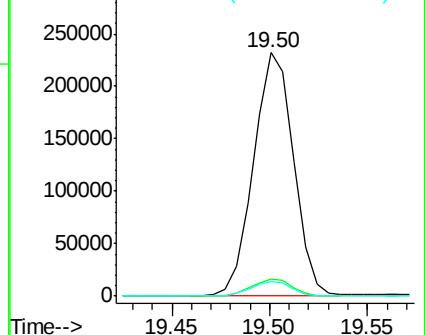
100 5.8 5.1 7.7

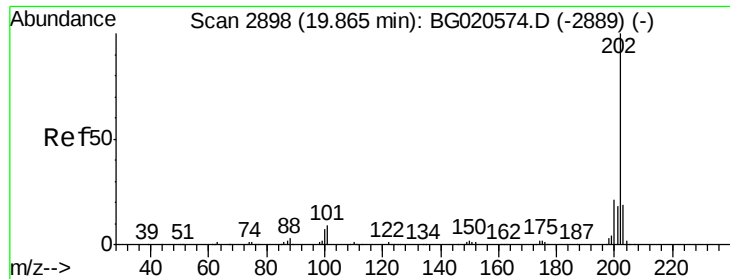


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

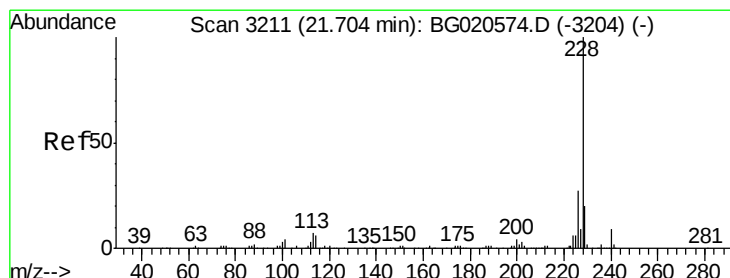
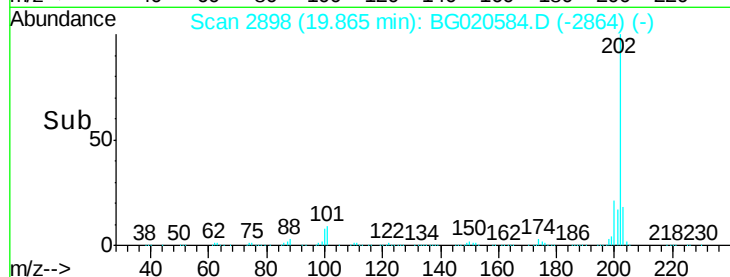
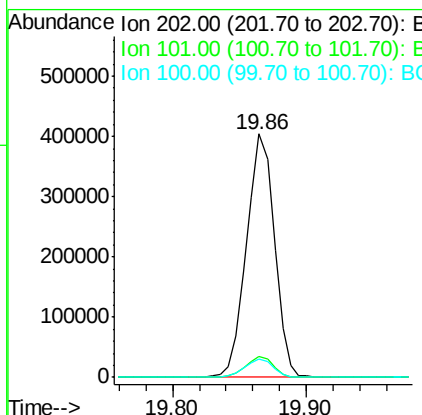
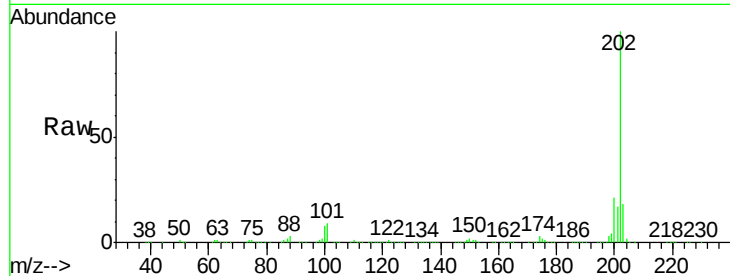




#80
 Pyrene
 Concen: 60.45 ng/ul
 RT: 19.86 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: BG020584.D
 Acq: 29 Dec 2015 4:19

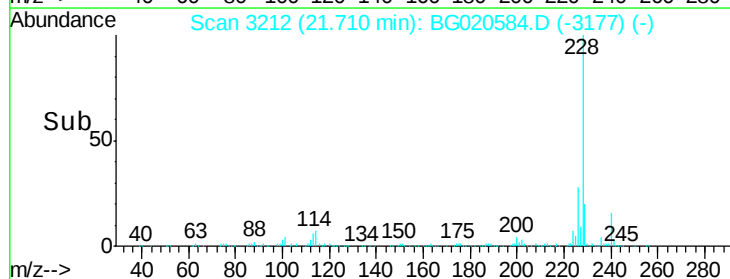
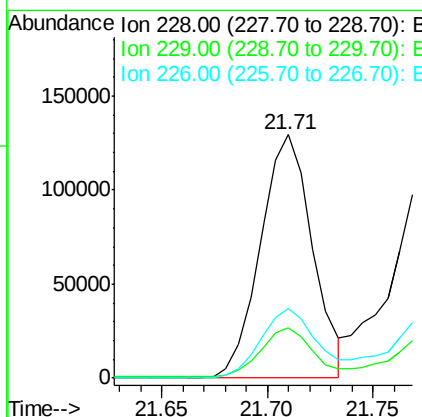
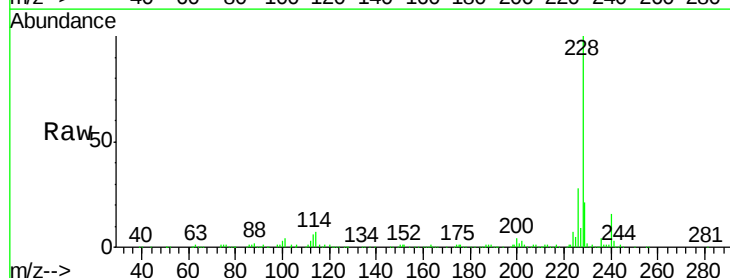
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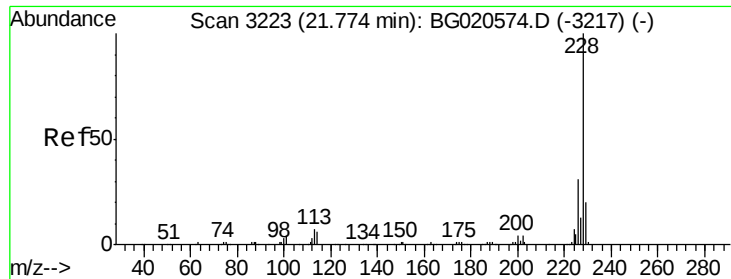
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	7.0	10.4
100	7.7	6.4	9.6



#83
 Benzo(a)anthracene
 Concen: 22.14 ng/ul
 RT: 21.71 min Scan# 3212
 Delta R.T. 0.01 min
 Lab File: BG020584.D
 Acq: 29 Dec 2015 4:19

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.8
226	28.4	21.8	32.6





#85

Chrysene

Concen: 23.61 ng/ul

RT: 21.77 min Scan# 3223

Delta R.T. 0.00 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

Instrument :

BNA_G

ClientSampleId :

G9D85DL

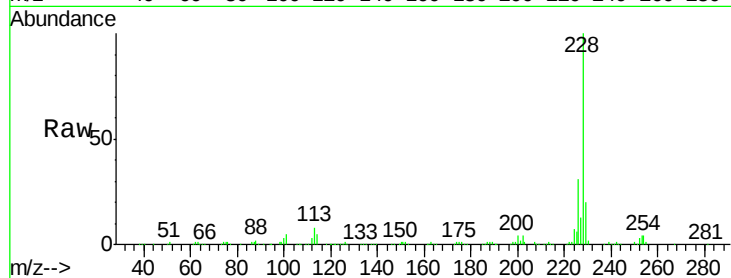
Tgt Ion:228 Resp: 224927

Ion Ratio Lower Upper

228 100

226 30.7 23.9 35.9

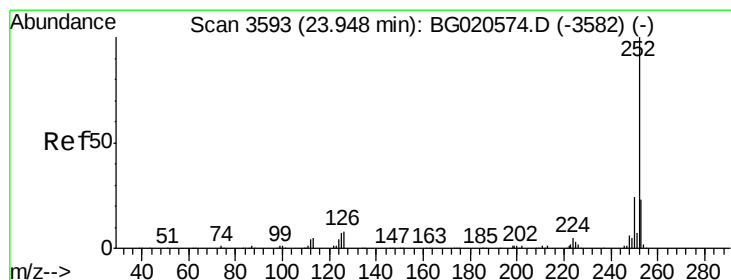
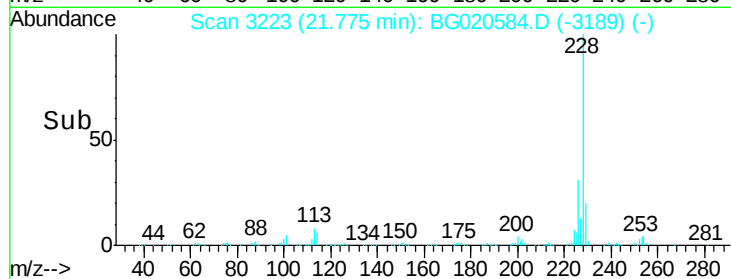
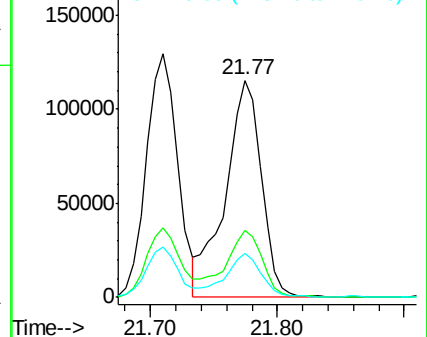
229 20.4 15.6 23.4



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: 21.74 ng/ul

RT: 23.96 min Scan# 3595

Delta R.T. 0.01 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

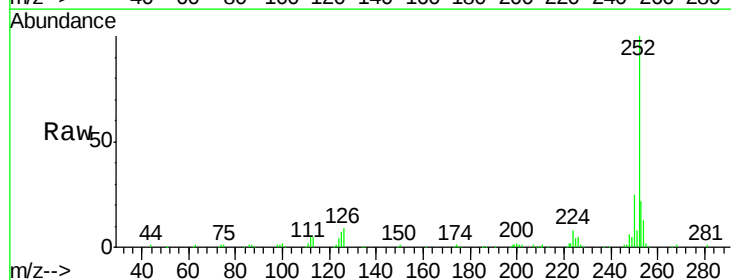
Tgt Ion:252 Resp: 215533

Ion Ratio Lower Upper

252 100

253 21.6 16.7 25.1

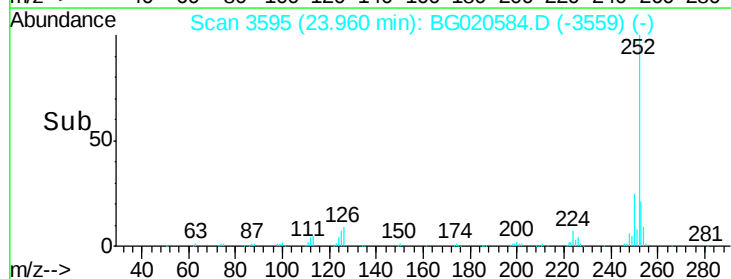
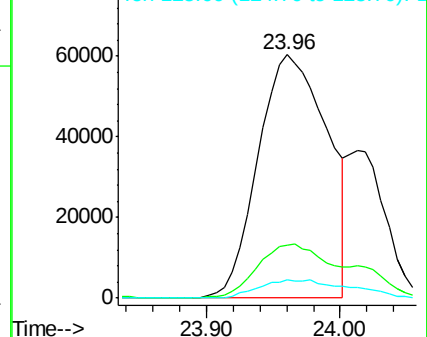
125 7.3 6.2 9.2

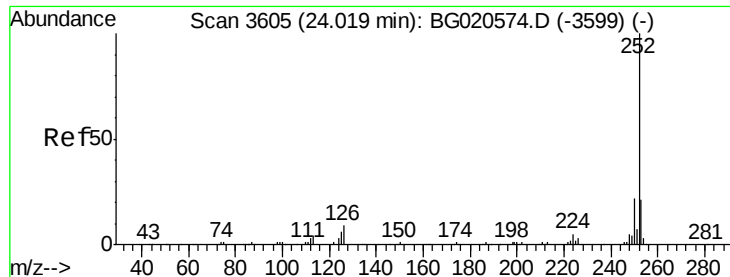


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 22.48 ng/ul

RT: 23.96 min Scan# 3595

Delta R.T. -0.06 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

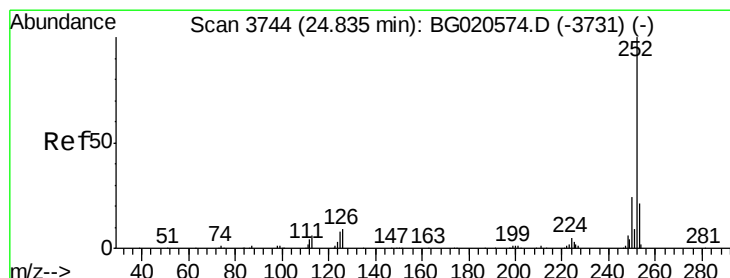
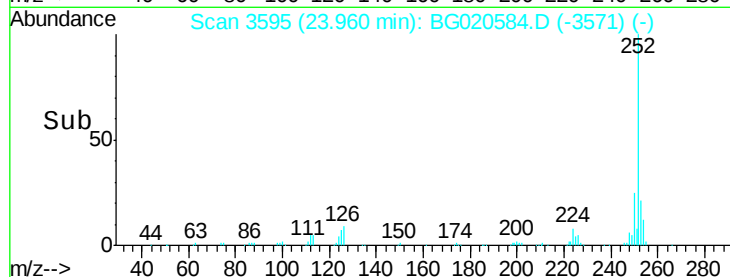
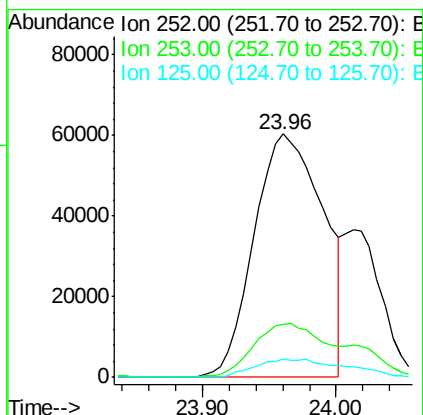
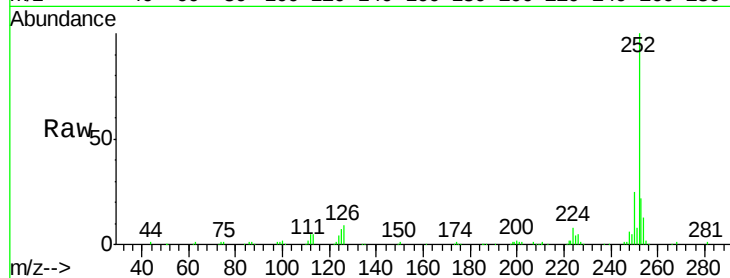
Instrument :

BNA_G

ClientSampleId :

G9D85DL

Tgt Ion:	252	Resp:	215533
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.9	26.9
125	7.3	5.8	8.6



#91

Benzo(a)pyrene

Concen: 14.60 ng/ul

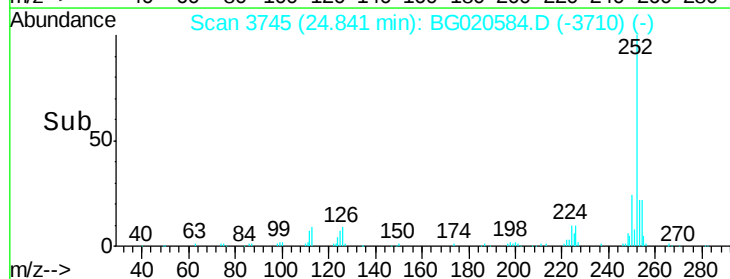
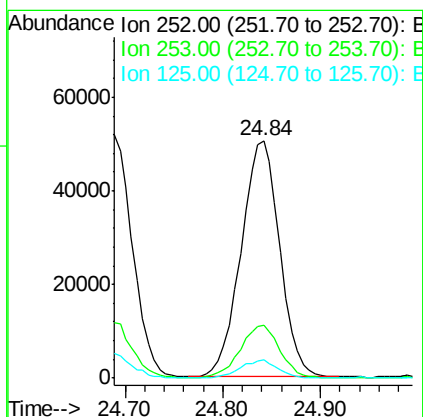
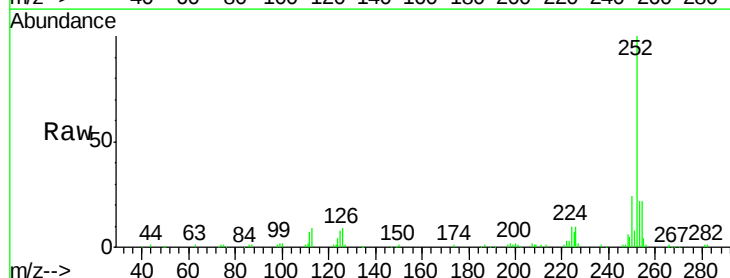
RT: 24.84 min Scan# 3745

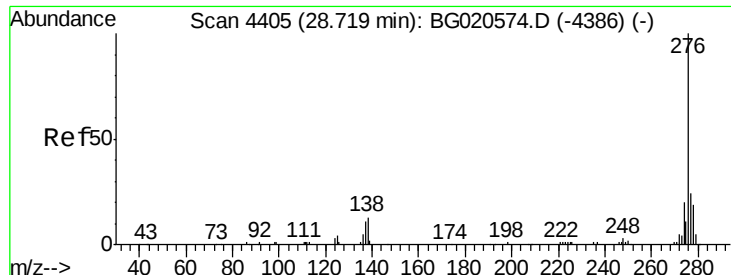
Delta R.T. 0.01 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

Tgt Ion:	252	Resp:	139175
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.0	25.4
125	7.6	6.2	9.4





#92

Indeno(1,2,3-cd)pyrene

Concen: 9.28 ng/ul

RT: 28.73 min Scan# 4406

Delta R.T. 0.01 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

Instrument :

BNA_G

ClientSampleId :

G9D85DL

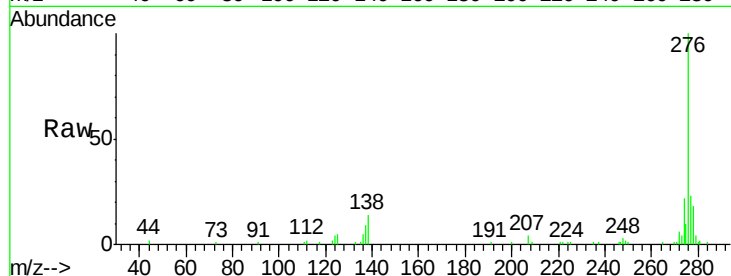
Tgt Ion:276 Resp: 105885

Ion Ratio Lower Upper

276 100

138 13.7 11.4 17.0

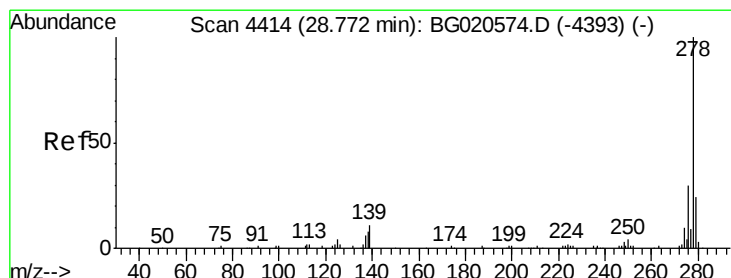
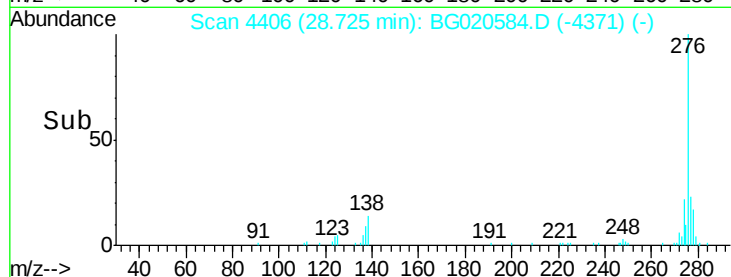
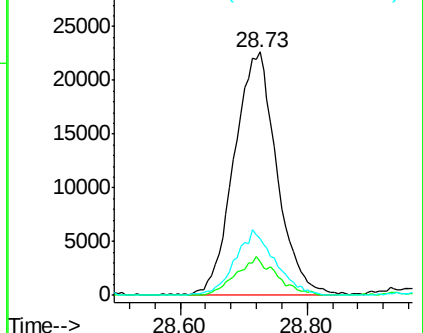
277 23.5 17.4 26.0



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



#93

Dibenzo(a,h)anthracene

Concen: 3.01 ng/ul

RT: 28.76 min Scan# 4412

Delta R.T. -0.01 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

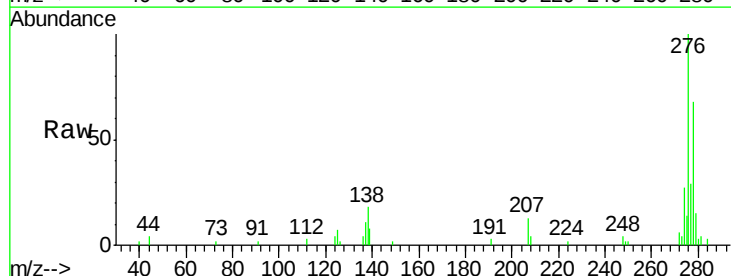
Tgt Ion:278 Resp: 28524

Ion Ratio Lower Upper

278 100

139 12.1 9.4 14.2

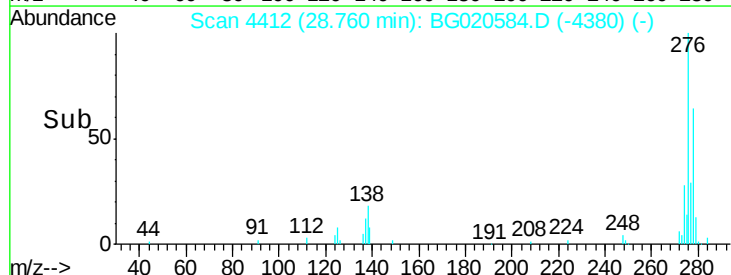
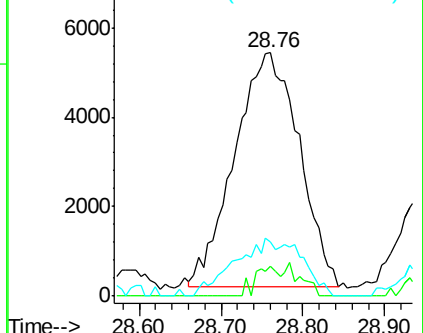
279 22.3 19.4 29.0

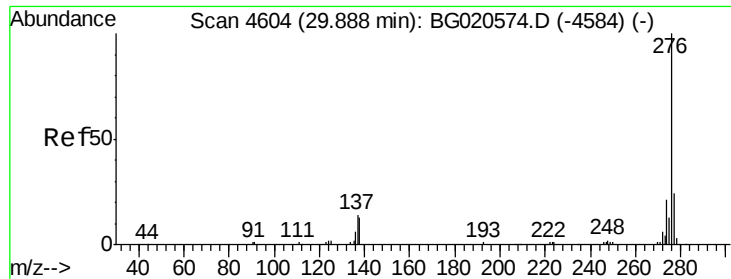


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 12.37 ng/ul

RT: 29.88 min Scan# 4603

Delta R.T. -0.01 min

Lab File: BG020584.D

Acq: 29 Dec 2015 4:19

Instrument :

BNA_G

ClientSampleId :

G9D85DL

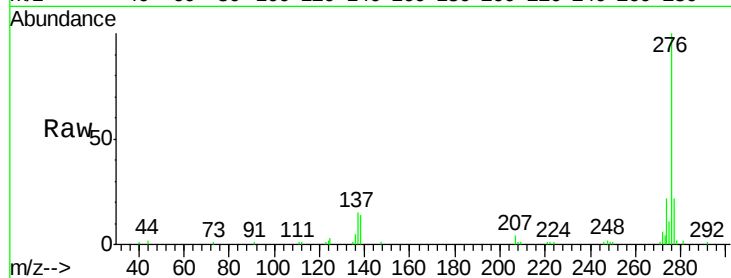
Tgt Ion: 276 Resp: 115948

Ion Ratio Lower Upper

276 100

138 13.9 10.8 16.2

277 22.4 19.9 29.9



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

