

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020427.D
 Acq On : 23 Dec 2015 4:10
 Operator : UM/SJ
 Sample : G4849-08DL 30X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N72DL

Quant Time: Dec 23 07:43:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 07:35:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	16556	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	73713	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	54427	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	135165	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	163706	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	157360	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	7.24	99	684	0.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	385	0.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	854	0.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	668	0.54	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	132	0.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	278	0.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	794	0.61	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1187	0.82	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	3911	0.89	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	4442	0.87	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	3792	0.95	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.46	188	135165	21.70	ng/ul	-0.10
79) Pyrene-d10	19.84	212	6755	0.89	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	7527	0.96	ng/ul	0.00

Target Compounds

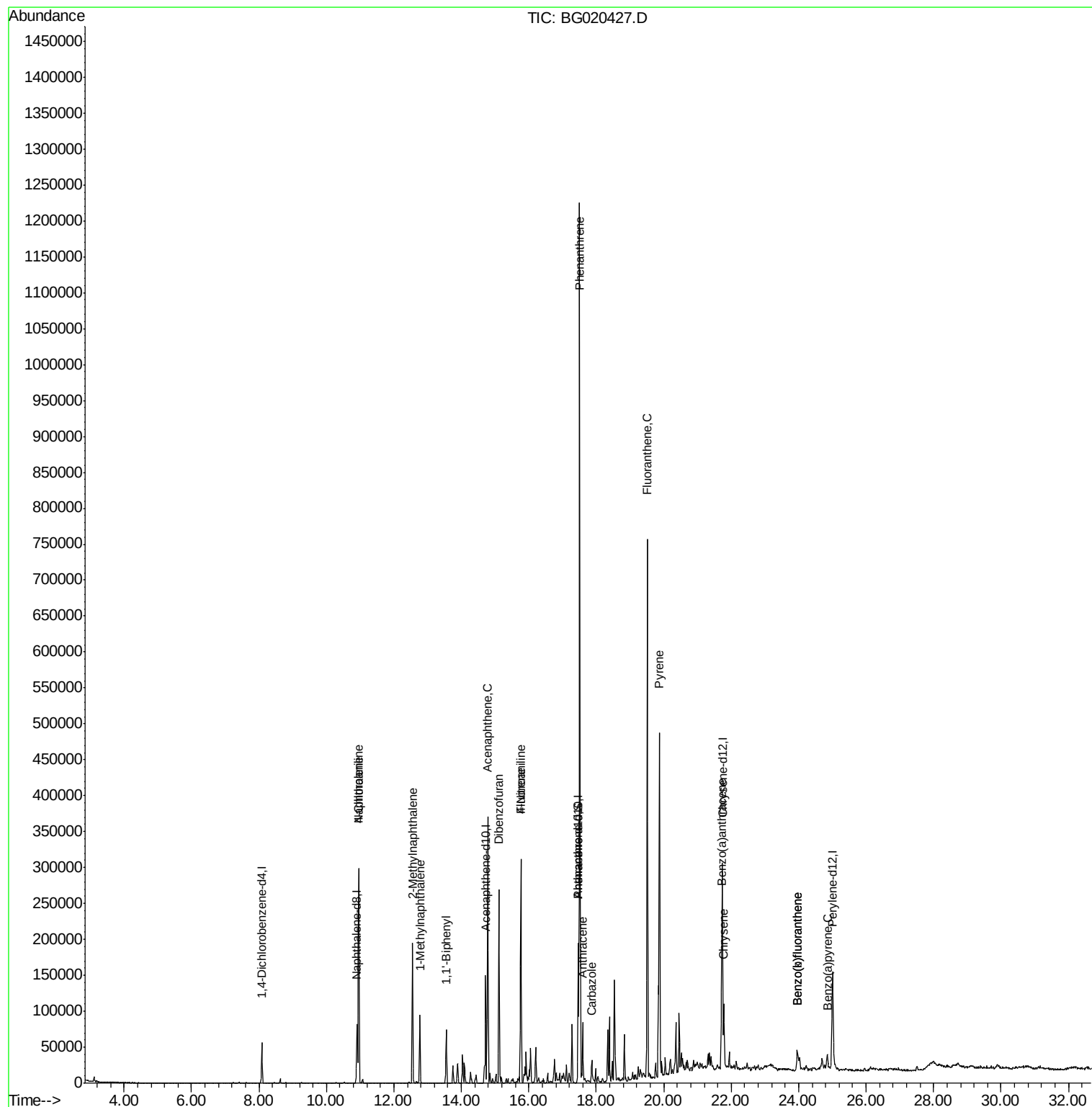
						Qvalue
28) Naphthalene	10.95	128	265665	69.01	ng/ul	98
30) 4-Chloroaniline	10.95	127	36028	24.26	ng/ul#	7
34) 2-Methylnaphthalene	12.55	142	92288	31.39	ng/ul	100
35) 1-Methylnaphthalene	12.77	142	44863	15.87	ng/ul	99
41) 1,1'-Biphenyl	13.55	154	41993	10.23	ng/ul	96
50) Acenaphthene	14.78	153	159715	43.62	ng/ul	100
54) Dibenzofuran	15.11	168	184903	33.95	ng/ul	100
59) Fluorene	15.76	166	141888	32.44	ng/ul	97
61) 4-Nitroaniline	15.76	138	1769	1.81	ng/ul#	10
70) Phenanthrene	17.51	178	804660	108.84	ng/ul	97
72) Anthracene	17.60	178	57559	7.68	ng/ul	99
75) Carbazole	17.87	167	21115	3.35	ng/ul	97
77) Fluoranthene	19.51	202	495674	57.37	ng/ul	99
80) Pyrene	19.87	202	338589	34.17	ng/ul	99
83) Benzo(a)anthracene	21.72	228	78828	8.25	ng/ul	98
85) Chrysene	21.78	228	64663	7.19	ng/ul	98
88) Benzo(b)fluoranthene	23.96	252	37997	4.01	ng/ul	94
89) Benzo(k)fluoranthene	23.96	252	37997	4.18	ng/ul	96
91) Benzo(a)pyrene	24.85	252	23594	2.63	ng/ul	98

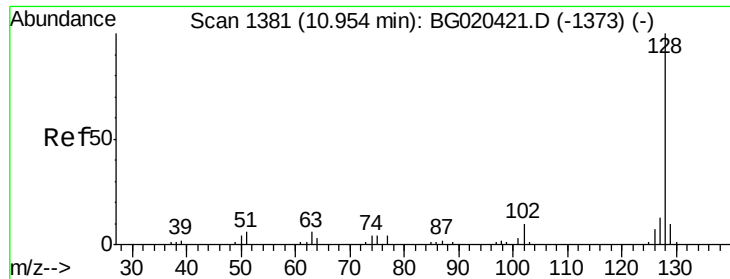
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 69.01 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.00 min

Lab File: BG020427.D

Acq: 23 Dec 2015 4:10

Instrument :

BNA_G

ClientSampleId :

D9N72DL

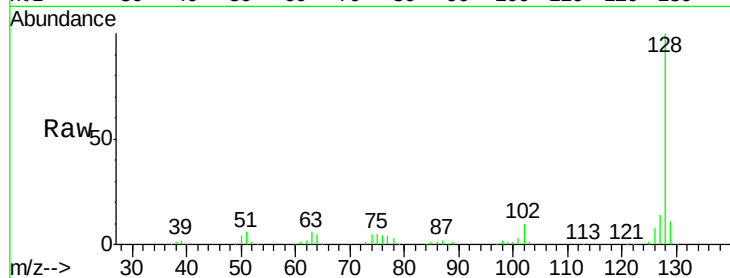
Tgt Ion:128 Resp: 265665

Ion Ratio Lower Upper

128 100

129 11.5 8.6 12.8

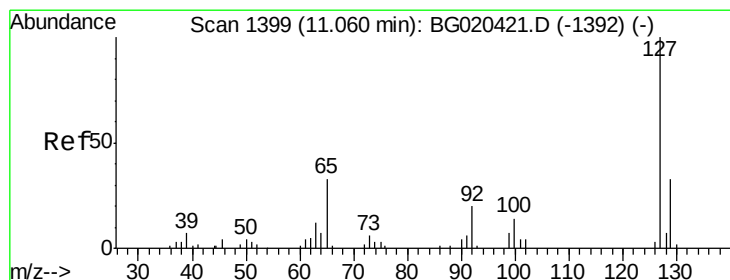
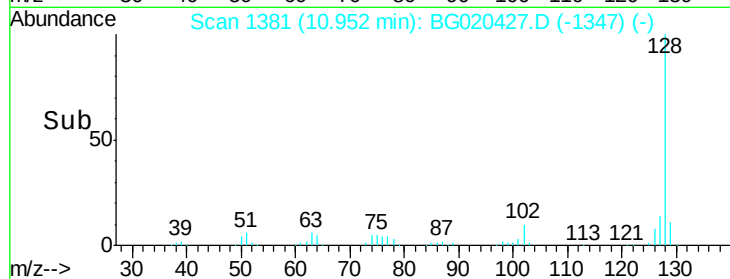
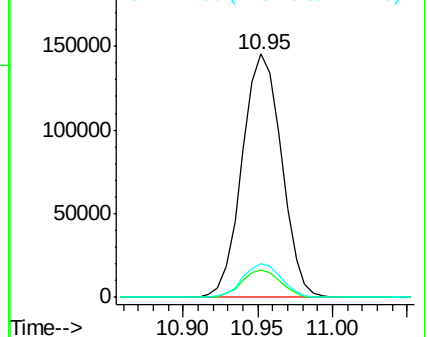
127 13.6 10.1 15.1



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



#30

4-Chloroaniline

Concen: 24.26 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.11 min

Lab File: BG020427.D

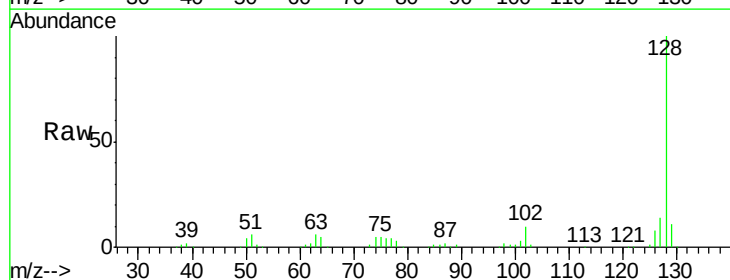
Acq: 23 Dec 2015 4:10

Tgt Ion:127 Resp: 36028

Ion Ratio Lower Upper

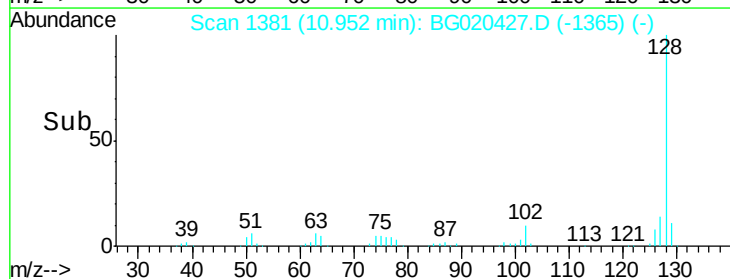
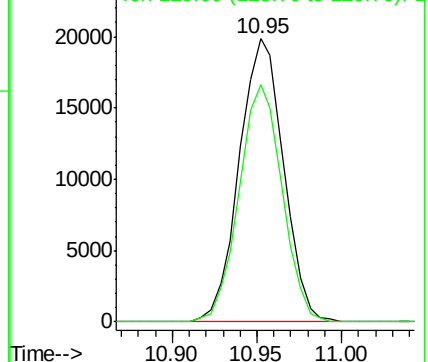
127 100

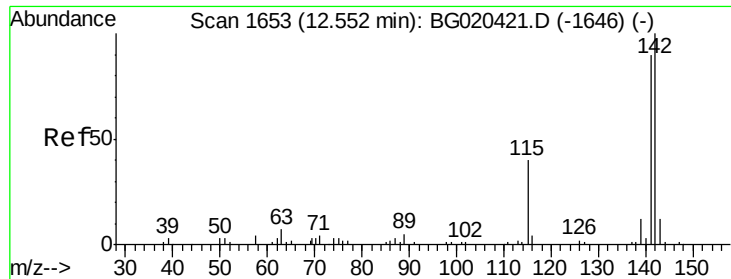
129 84.0 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

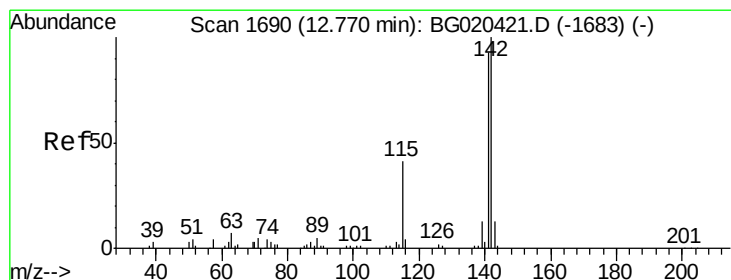
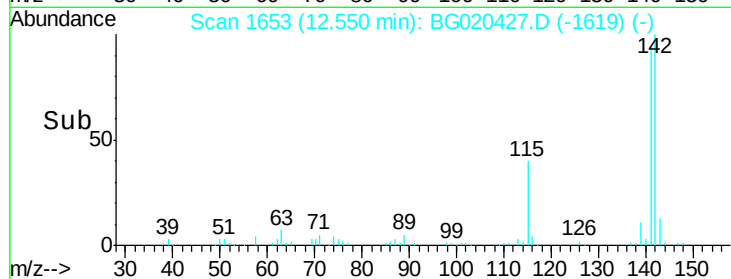
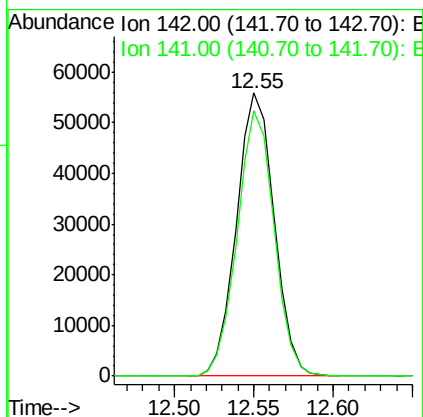
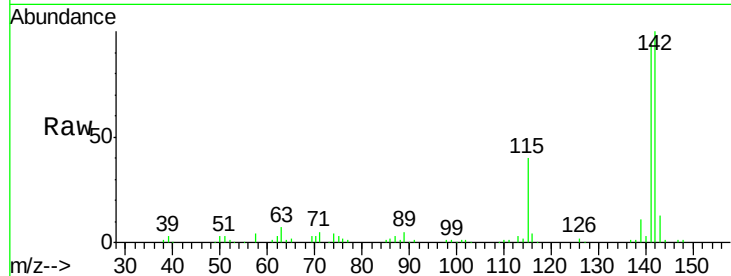




#34
 2-Methylnaphthalene
 Concen: 31.39 ng/ul
 RT: 12.55 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BG020427.D
 Acq: 23 Dec 2015 4:10

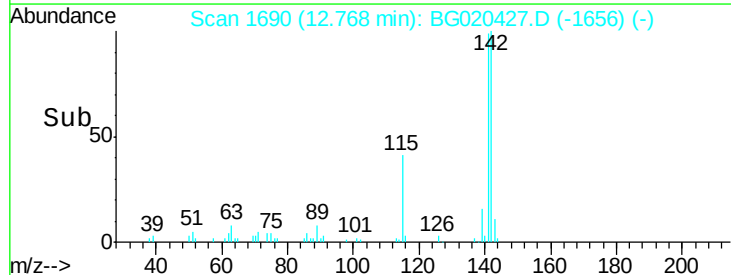
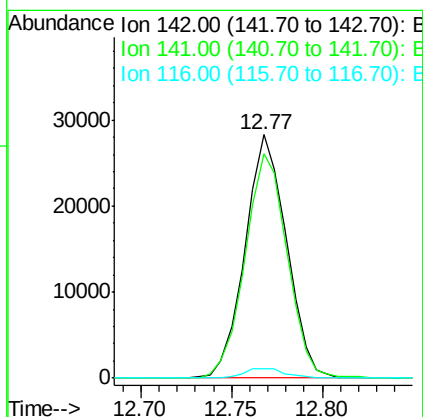
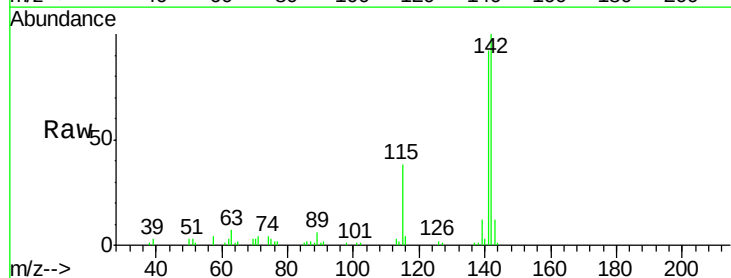
Instrument :
 BNA_G
 ClientSampleId :
 D9N72DL

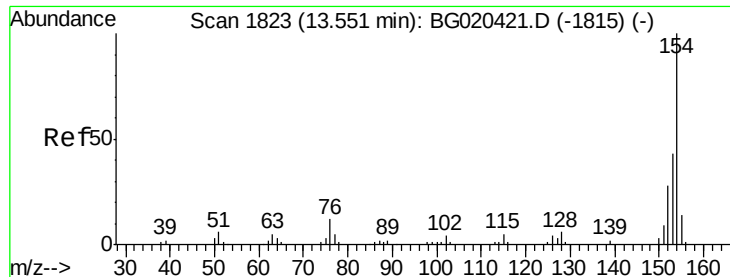
Tgt Ion:142 Resp: 92288
 Ion Ratio Lower Upper
 142 100
 141 93.9 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 15.87 ng/ul
 RT: 12.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: BG020427.D
 Acq: 23 Dec 2015 4:10

Tgt Ion:142 Resp: 44863
 Ion Ratio Lower Upper
 142 100
 141 92.4 73.0 109.6
 116 3.8 3.0 4.6

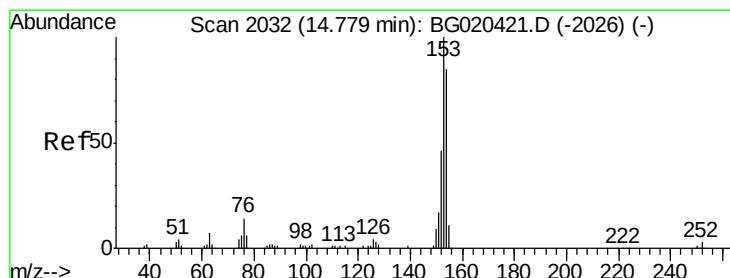
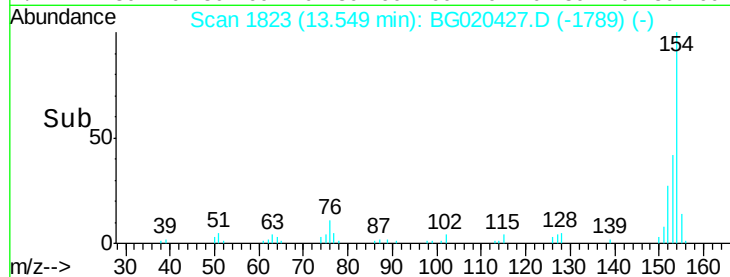
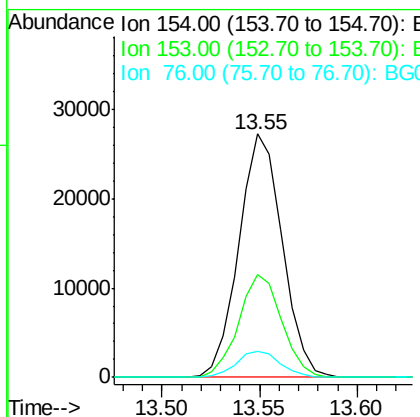
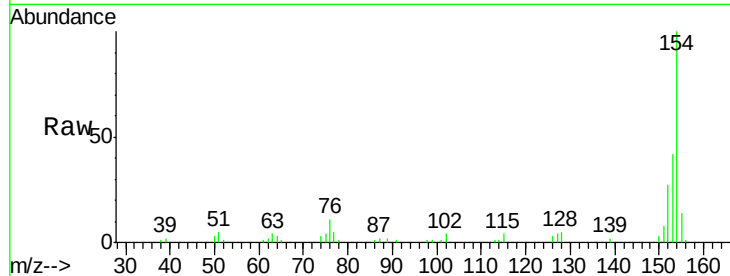




#41
 1,1'-Biphenyl
 Concen: 10.23 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BG020427.D
 Acq: 23 Dec 2015 4:10

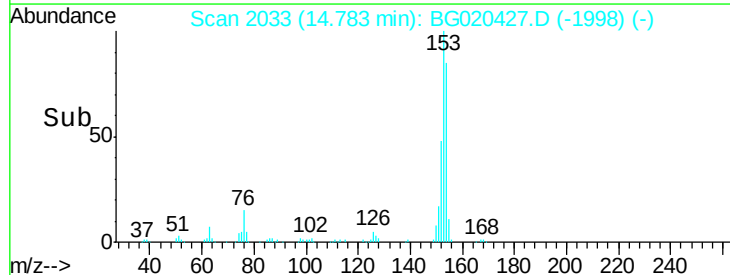
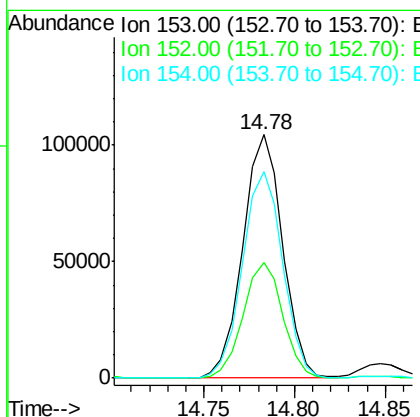
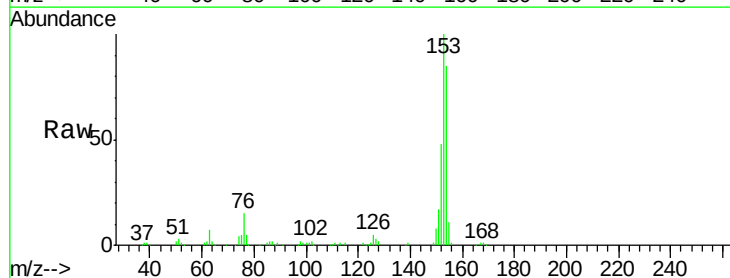
Instrument :
 BNA_G
 ClientSampleId :
 D9N72DL

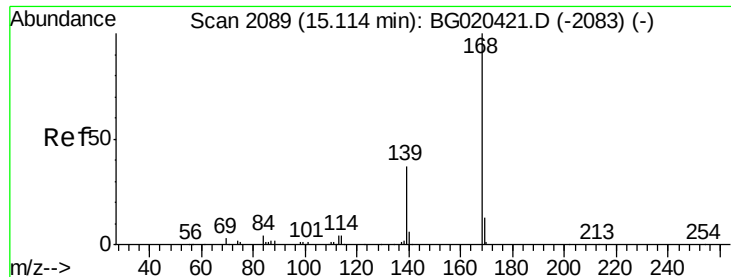
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.2	35.5	53.3
76	10.6	10.4	15.6



#50
 Acenaphthene
 Concen: 43.62 ng/ul
 RT: 14.78 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: BG020427.D
 Acq: 23 Dec 2015 4:10

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.6	37.6	56.4
154	84.8	67.9	101.9





#54

Dibenzenofuran

Concen: 33.95 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BG020427.D

Acq: 23 Dec 2015 4:10

Instrument :

BNA_G

ClientSampleId :

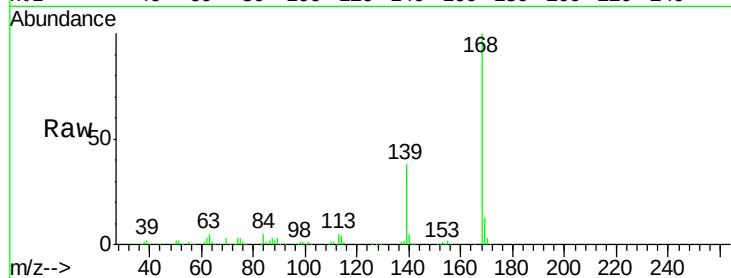
D9N72DL

Tgt Ion:168 Resp: 184903

Ion Ratio Lower Upper

168 100

139 38.2 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

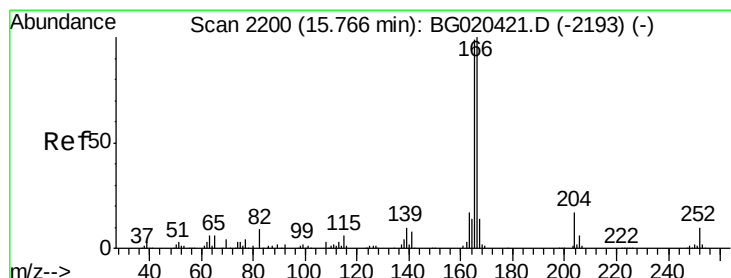
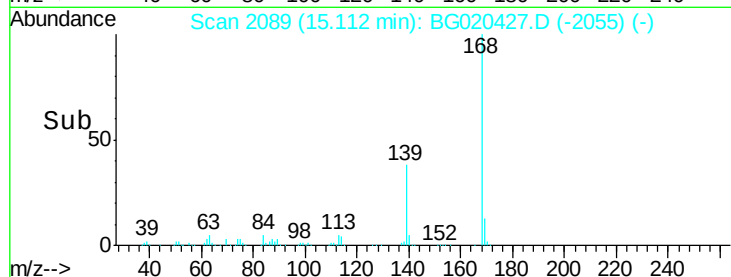
15.11

100000

50000

0

Time-->



#59

Fluorene

Concen: 32.44 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BG020427.D

Acq: 23 Dec 2015 4:10

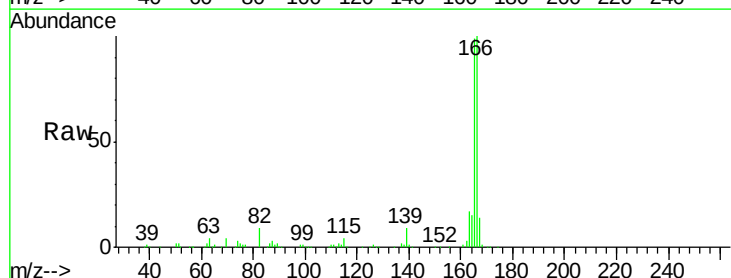
Tgt Ion:166 Resp: 141888

Ion Ratio Lower Upper

166 100

165 98.9 81.4 122.0

167 13.6 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

15.76

120000

100000

80000

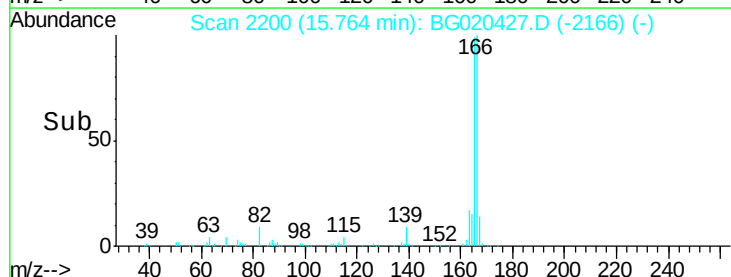
60000

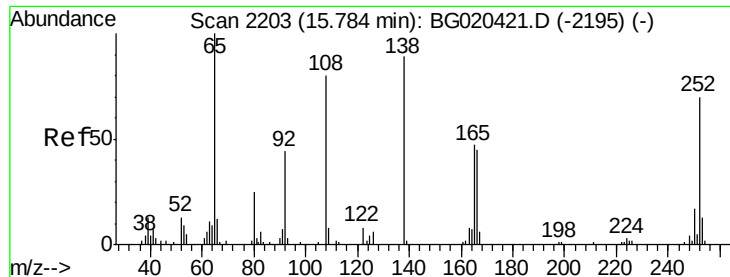
40000

20000

0

Time-->

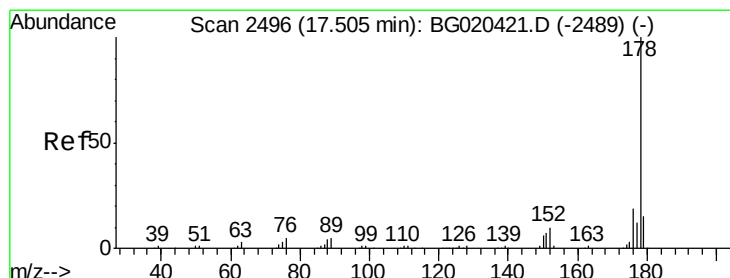
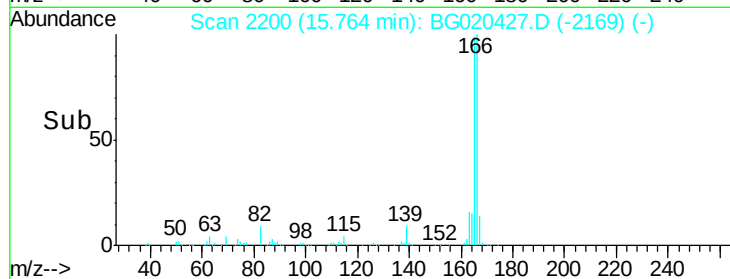
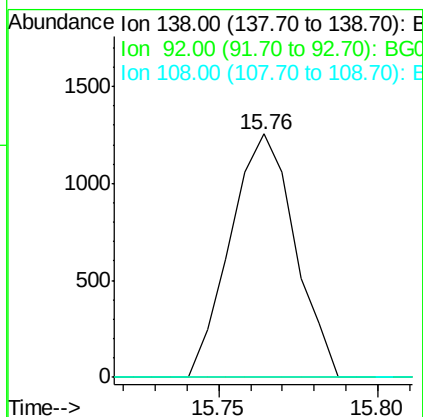
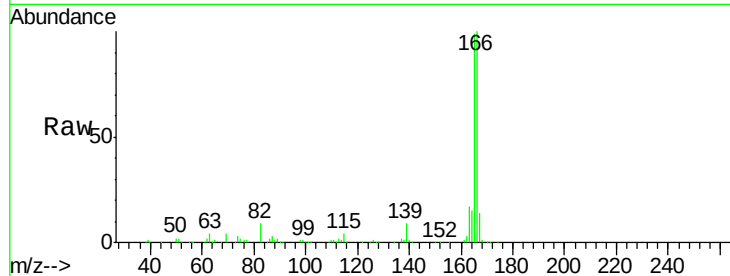




#61
 4-Nitroaniline
 Concen: 1.81 ng/ul
 RT: 15.76 min Scan# 2200
 Delta R.T. -0.02 min
 Lab File: BG020427.D
 Acq: 23 Dec 2015 4:10

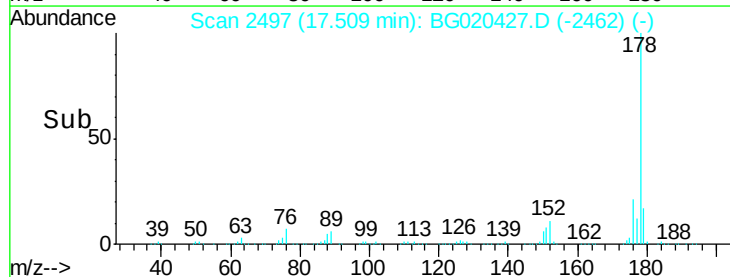
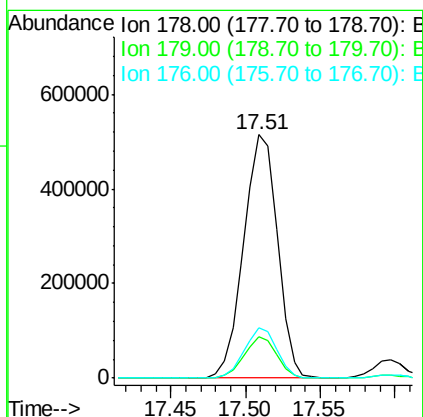
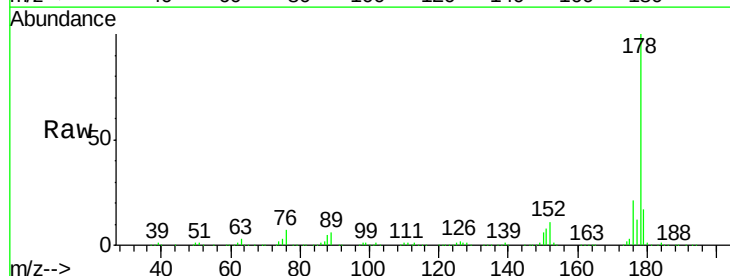
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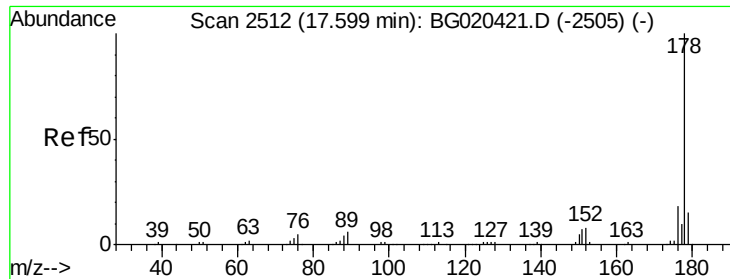
Tgt Ion:138 Resp: 1769
 Ion Ratio Lower Upper
 138 100
 92 0.0 45.2 67.8#
 108 0.0 75.4 113.0#



#70
 Phenanthrene
 Concen: 108.84 ng/ul
 RT: 17.51 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: BG020427.D
 Acq: 23 Dec 2015 4:10

Tgt Ion:178 Resp: 804660
 Ion Ratio Lower Upper
 178 100
 179 16.7 12.9 19.3
 176 20.6 15.3 22.9

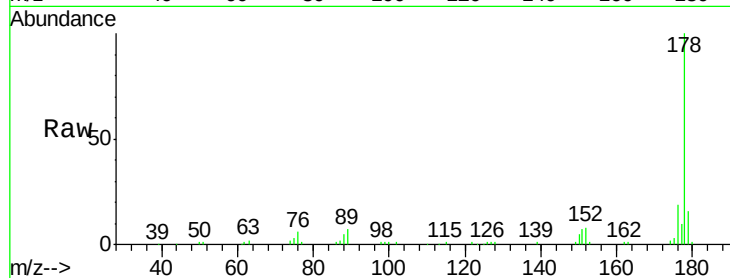




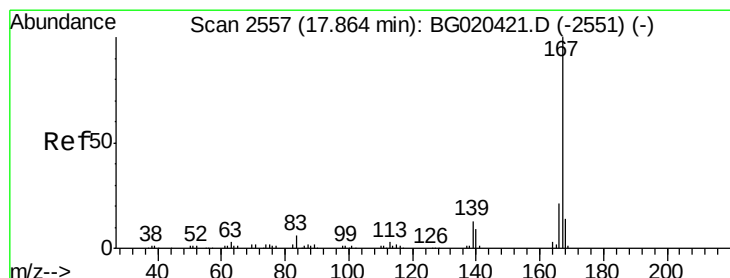
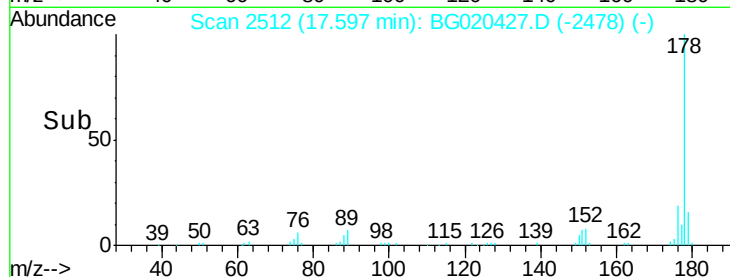
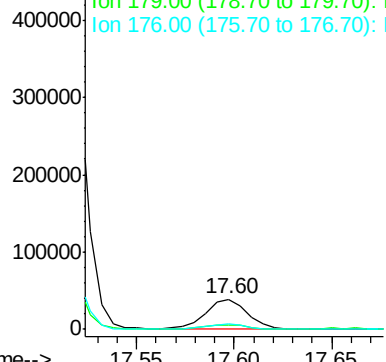
#72
 Anthracene
 Concen: 7.68 ng/ul
 RT: 17.60 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: BG020427.D
 Acq: 23 Dec 2015 4:10

Instrument :
 BNA_G
 ClientSampleId :
 D9N72DL

Tgt Ion:178 Resp: 57559
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.3 18.5
 176 18.9 14.3 21.5

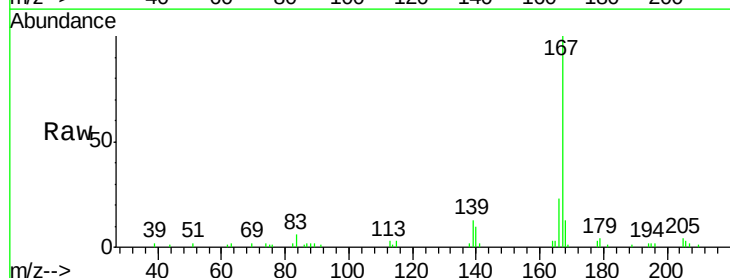


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

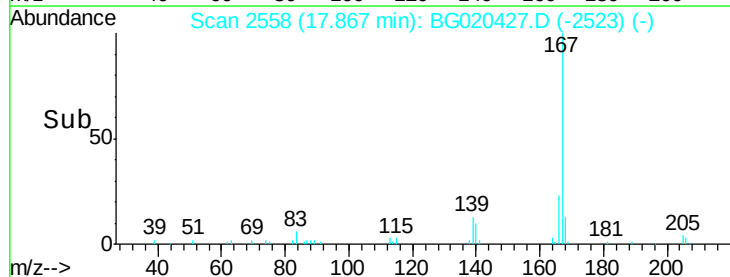
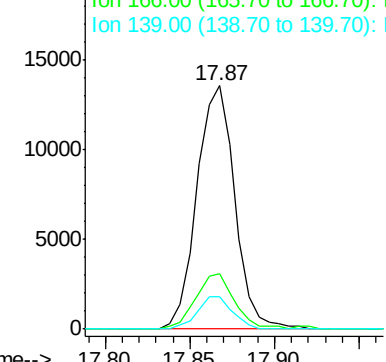


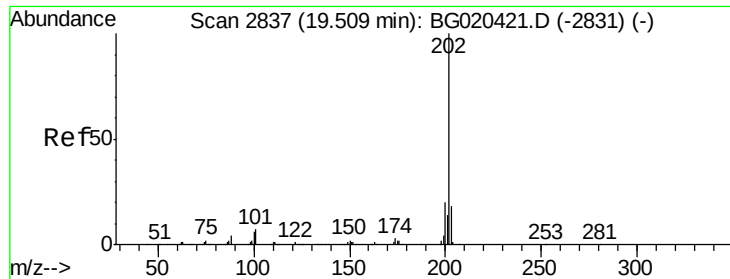
#75
 Carbazole
 Concen: 3.35 ng/ul
 RT: 17.87 min Scan# 2558
 Delta R.T. 0.00 min
 Lab File: BG020427.D
 Acq: 23 Dec 2015 4:10

Tgt Ion:167 Resp: 21115
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.0 25.6
 139 13.5 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

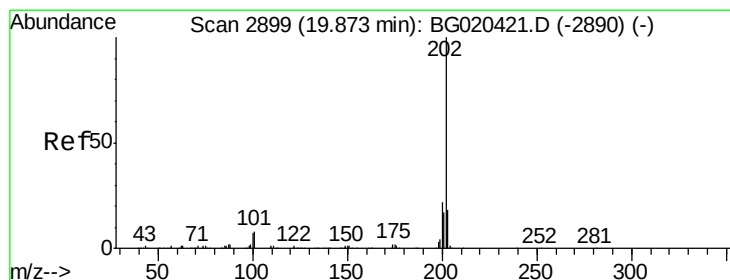
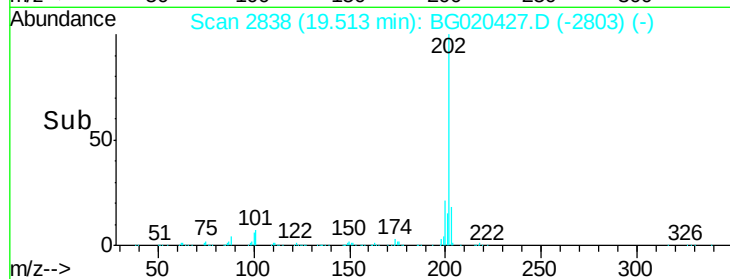
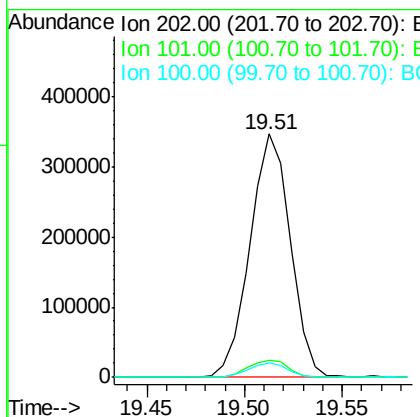
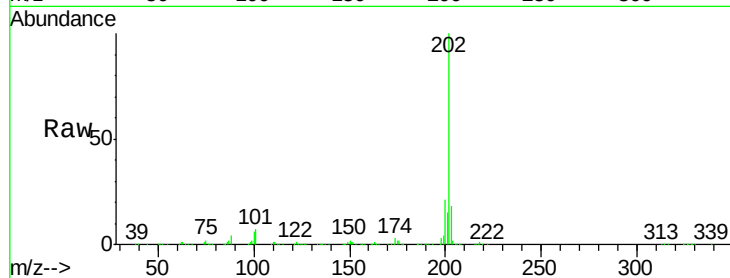




#77
Fluoranthene
Concen: 57.37 ng/ul
RT: 19.51 min Scan# 2838
Delta R.T. 0.00 min
Lab File: BG020427.D
Acq: 23 Dec 2015 4:10

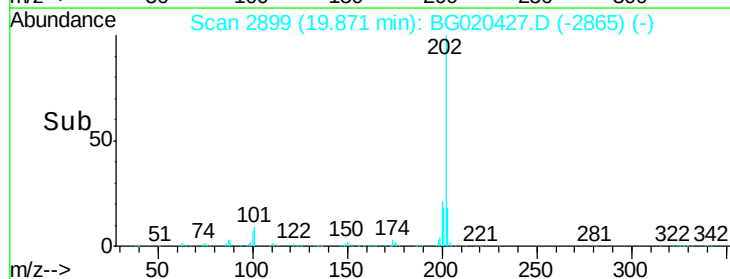
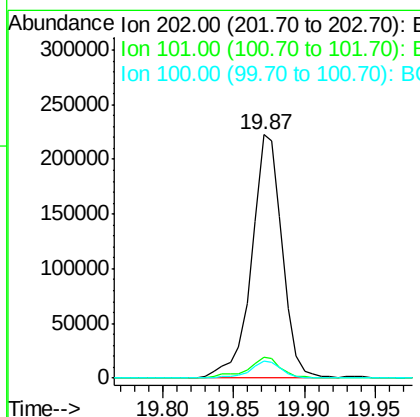
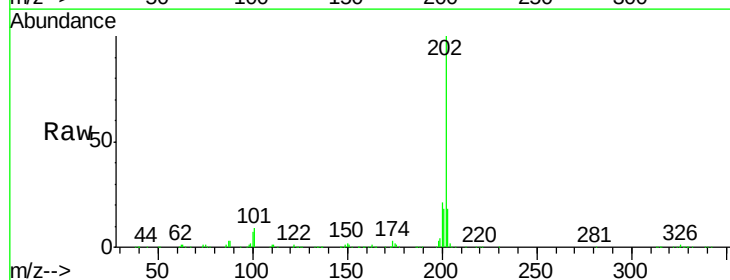
Instrument :
BNA_G
ClientSampleId :
D9N72DL

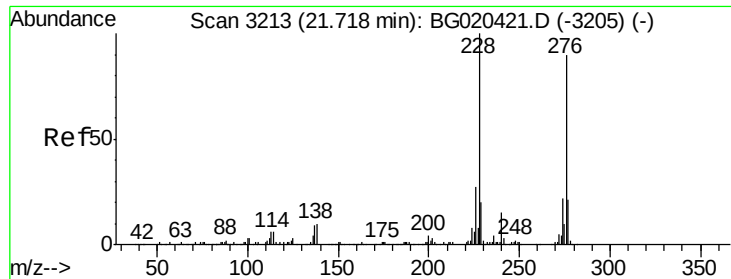
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	6.2	9.4
100	6.0	5.1	7.7



#80
Pyrene
Concen: 34.17 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. -0.00 min
Lab File: BG020427.D
Acq: 23 Dec 2015 4:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.0	10.4
100	7.2	6.4	9.6

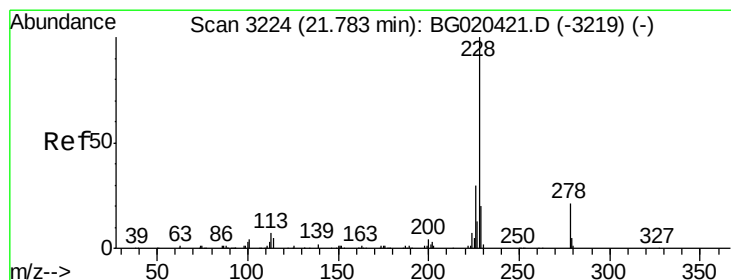
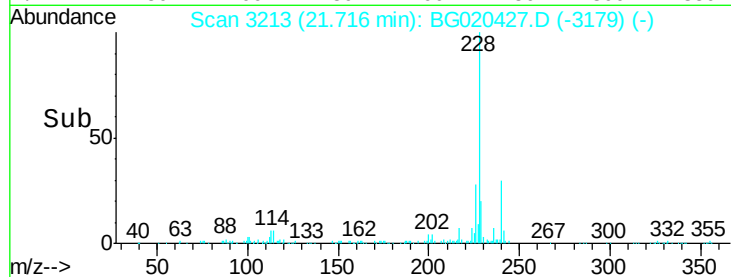
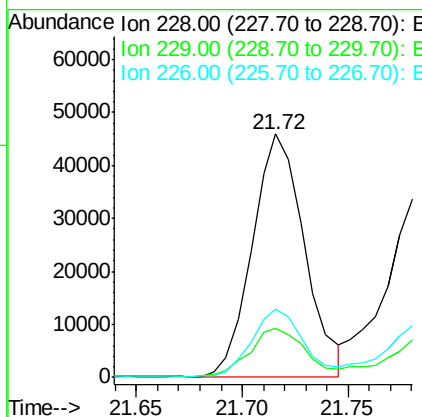
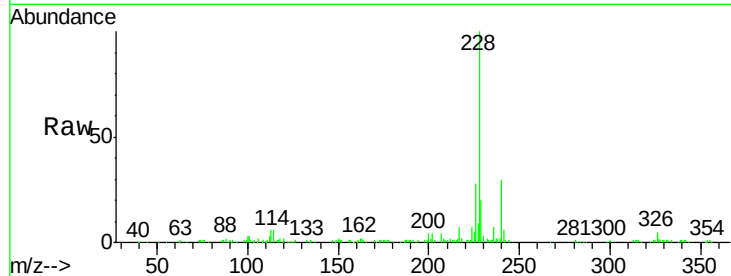




#83
Benzo(a)anthracene
Concen: 8.25 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BG020427.D
Acq: 23 Dec 2015 4:10

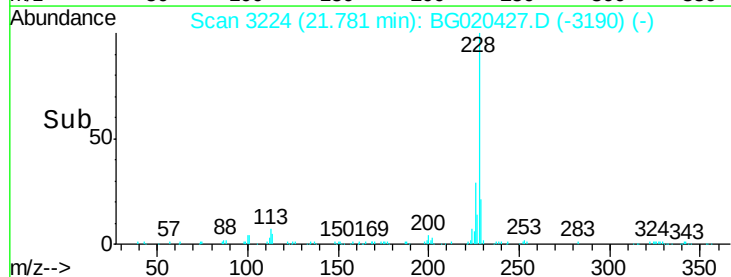
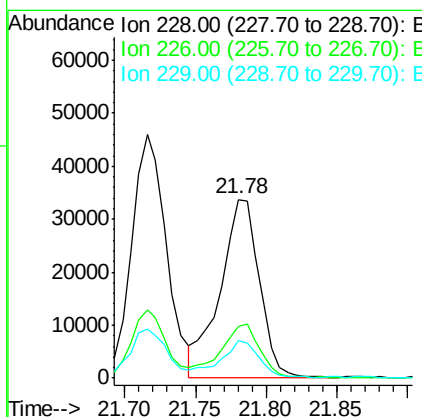
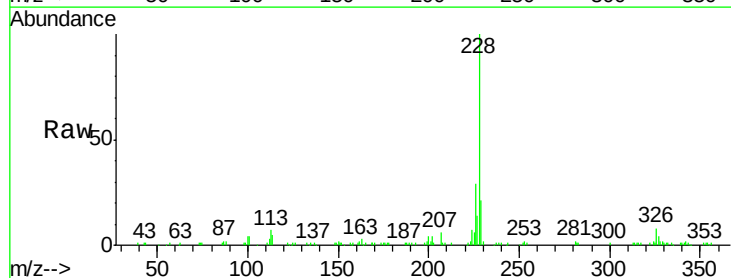
Instrument :
BNA_G
ClientSampleId :
D9N72DL

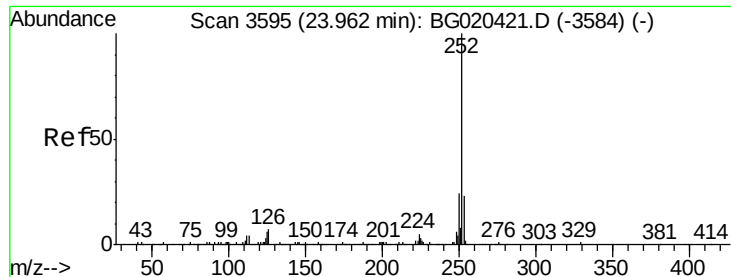
Tgt Ion:228 Resp: 78828
Ion Ratio Lower Upper
228 100
229 20.2 15.8 23.8
226 28.3 21.8 32.6



#85
Chrysene
Concen: 7.19 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. -0.00 min
Lab File: BG020427.D
Acq: 23 Dec 2015 4:10

Tgt Ion:228 Resp: 64663
Ion Ratio Lower Upper
228 100
226 29.2 23.9 35.9
229 21.2 15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 4.01 ng/ul

RT: 23.96 min Scan# 3595

Delta R.T. -0.00 min

Lab File: BG020427.D

Acq: 23 Dec 2015 4:10

Instrument :

BNA_G

ClientSampleId :

D9N72DL

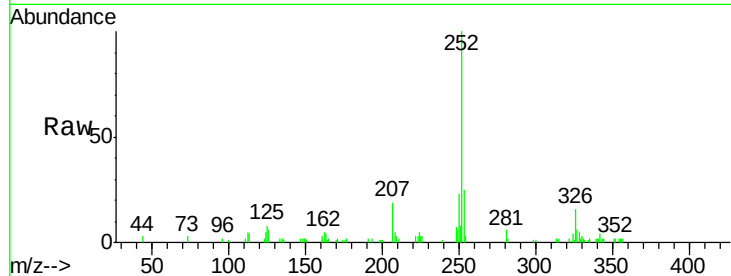
Tgt Ion:252 Resp: 37997

Ion Ratio Lower Upper

252 100

253 24.7 16.7 25.1

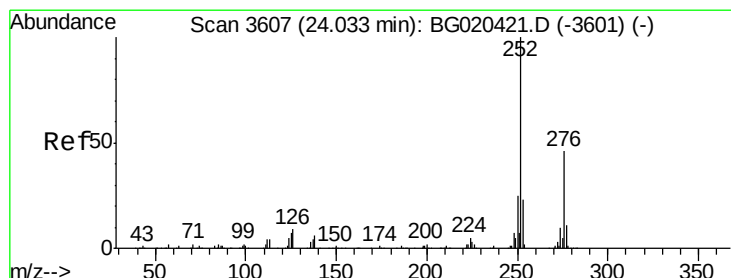
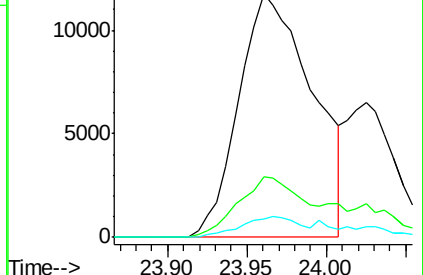
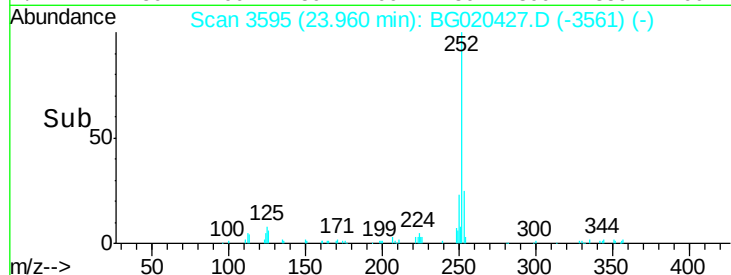
125 7.6 6.2 9.2



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: 4.18 ng/ul

RT: 23.96 min Scan# 3595

Delta R.T. -0.07 min

Lab File: BG020427.D

Acq: 23 Dec 2015 4:10

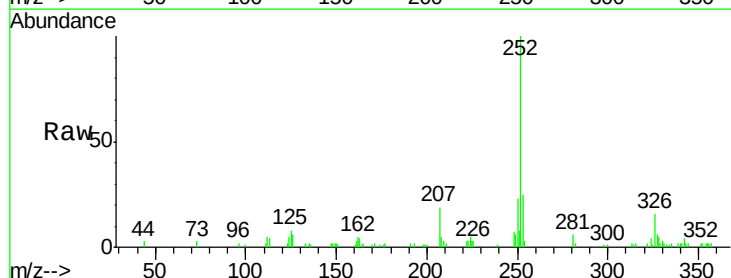
Tgt Ion:252 Resp: 37997

Ion Ratio Lower Upper

252 100

253 24.7 17.9 26.9

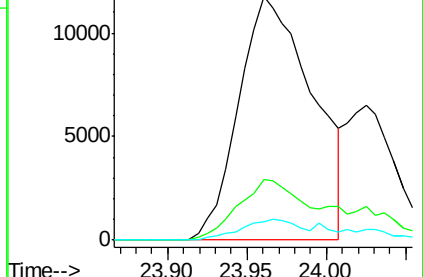
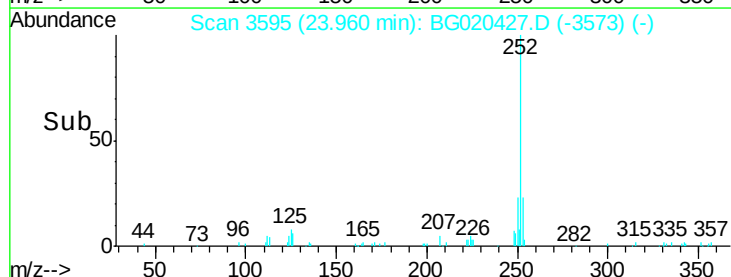
125 7.6 5.8 8.6

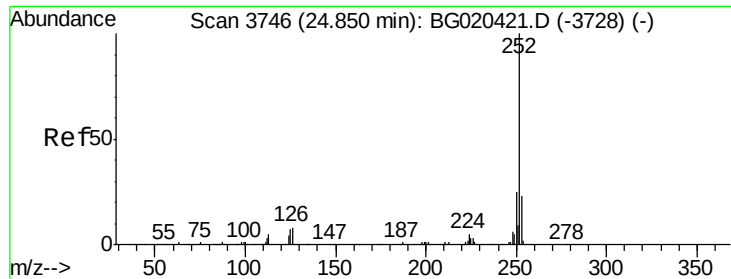


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 2.63 ng/ul

RT: 24.85 min Scan# 3747

Delta R.T. 0.00 min

Lab File: BG020427.D

Acq: 23 Dec 2015 4:10

Instrument :

BNA_G

ClientSampleId :

D9N72DL

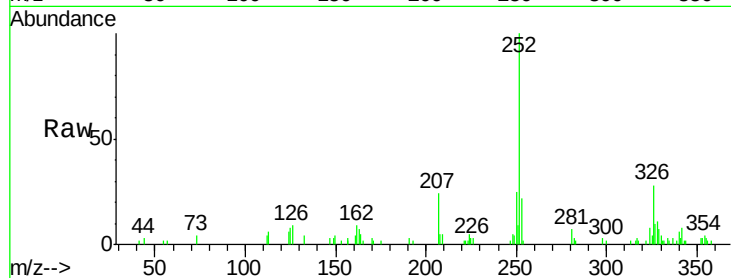
Tgt Ion:252 Resp: 23594

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

125 7.5 6.2 9.4



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

