

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
 Data File : BG020401.D
 Acq On : 22 Dec 2015 6:49
 Operator : UM/SJ
 Sample : G4848-05DL 30X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N51DL

Quant Time: Dec 22 13:30:39 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 22 05:02:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	18381	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	77505	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	55917	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	122230	20.00	ng/ul	0.01
78) Chrysene-d12	21.75	240	154480	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	139818	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	7.26	99	796	0.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	615	0.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	732	0.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	771	0.56	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	537	0.89	ng/ul	0.01
22) 2-Nitrophenol-d4	10.00	143	64	0.10	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.54	165	977	0.72	ng/ul	0.01
29) 4-Chloroaniline-d4	11.05	131	2552	1.67	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	4989	1.10	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	4280	0.81	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	482	0.59	ng/ul	0.00
58) Fluorene-d10	15.72	176	4622	1.13	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.59	188	5683m	1.01	ng/ul	0.02
79) Pyrene-d10	19.86	212	7397	1.03	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.79	264	6814	0.98	ng/ul	0.00

Target Compounds

					Ovalue	
16) 4-Methylphenol	8.87	108	2724	1.86	ng/ul	89
24) 2,4-Dimethylphenol	10.08	107	5871m	3.59	ng/ul	
28) Naphthalene	10.99	128	2851650	704.56	ng/ul#	84
34) 2-Methylnaphthalene	12.57	142	1059329	342.65	ng/ul	98
41) 1,1'-Biphenyl	13.56	154	408362	96.80	ng/ul	97
48) Acenaphthylene	14.45	152	98463	17.61	ng/ul#	93
50) Acenaphthene	14.81	153	1605032	426.70	ng/ul	94
54) Dibenzofuran	15.14	168	1600040	285.95	ng/ul	89
59) Fluorene	15.79	166	1563977	348.06	ng/ul#	98
70) Phenanthrene	17.56	178	4580722m	685.14	ng/ul	
72) Anthracene	17.62	178	617897	91.12	ng/ul	97
75) Carbazole	17.87	167	352747	61.91	ng/ul	99
77) Fluoranthene	19.54	202	3223794m	412.58	ng/ul	
80) Pyrene	19.90	202	2509772	268.43	ng/ul#	88
83) Benzo(a)anthracene	21.73	228	774321	85.90	ng/ul	96
85) Chrysene	21.80	228	649186	76.47	ng/ul	96
88) Benzo(b)fluoranthene	23.98	252	353013	41.95	ng/ul	98
89) Benzo(k)fluoranthene	24.04	252	144545m	17.90	ng/ul	
91) Benzo(a)pyrene	24.87	252	186504	23.38	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.75	276	36053	3.80	ng/ul#	90
94) Benzo(a,h,i)perylene	29.91	276	28235m	3.63	ng/ul	

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020401.D
Acq On : 22 Dec 2015 6:49
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N51DL

Quant Time: Dec 22 13:30:39 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 22 05:02:37 2015
Response via : Initial Calibration

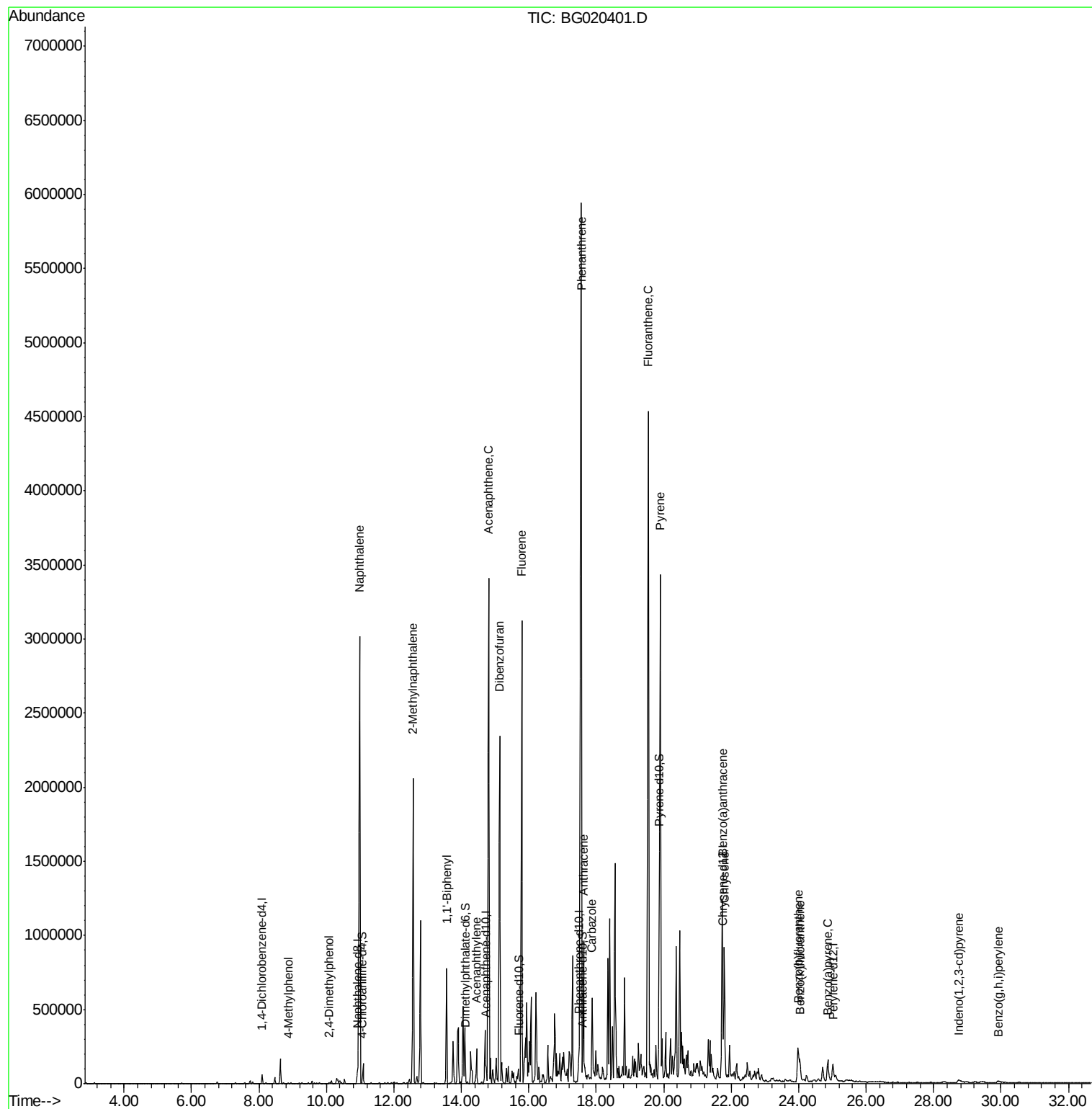
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

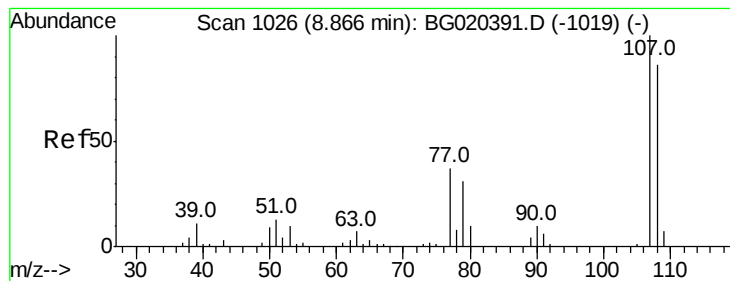
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020401.D
Acq On : 22 Dec 2015 6:49
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N51DL

Quant Time: Dec 22 13:30:39 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 22 05:02:37 2015
Response via : Initial Calibration





#16

4-Methylphenol

Concen: 1.86 ng/ul

RT: 8.87 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

Instrument :

BNA_G

ClientSampleId :

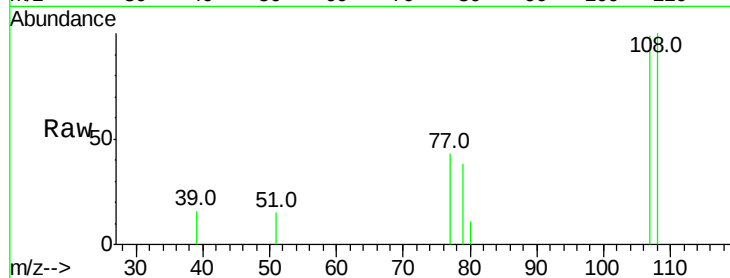
D9N51DL

Tot Ion:108 Resp: 2724

Ion Ratio Lower Upper

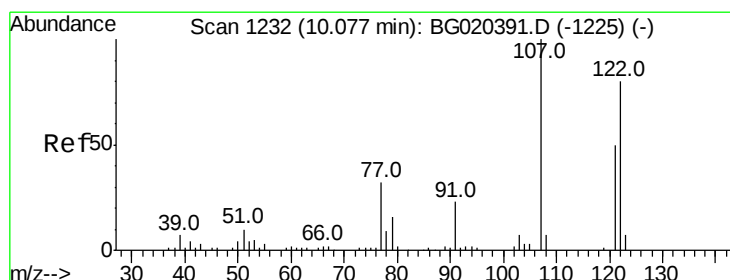
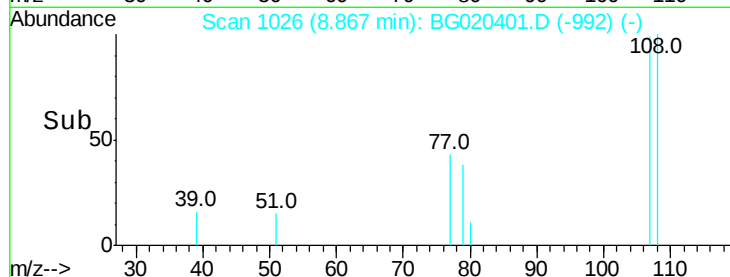
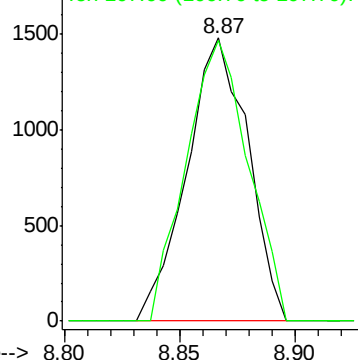
108 100

107 99.3 88.9 133.3



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#24

2,4-Dimethylphenol

Concen: 3.59 ng/ul m

RT: 10.08 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

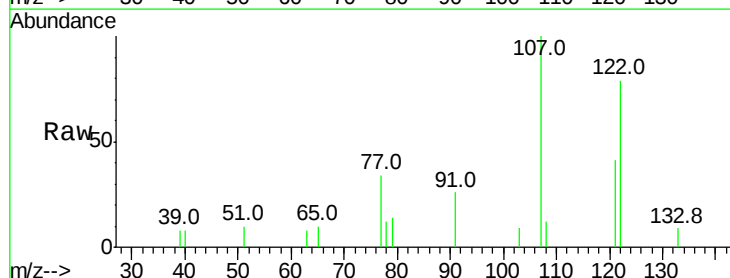
Tgt Ion:107 Resp: 5871

Ion Ratio Lower Upper

107 100

121 40.6 39.0 58.4

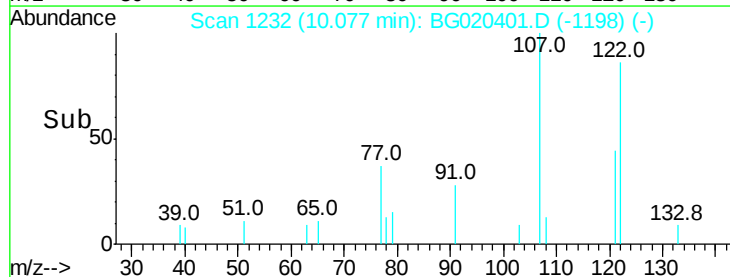
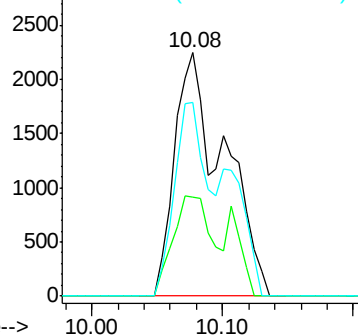
122 79.4 62.1 93.1

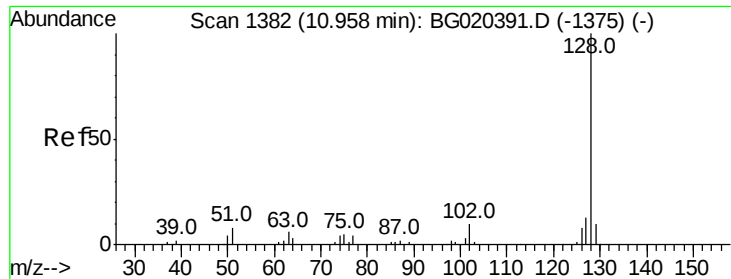


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Naphthalene

Concen: 704.56 ng/ul

RT: 10.99 min Scan# 1387

Delta R.T. 0.03 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

Instrument :

BNA_G

ClientSampleId :

D9N51DL

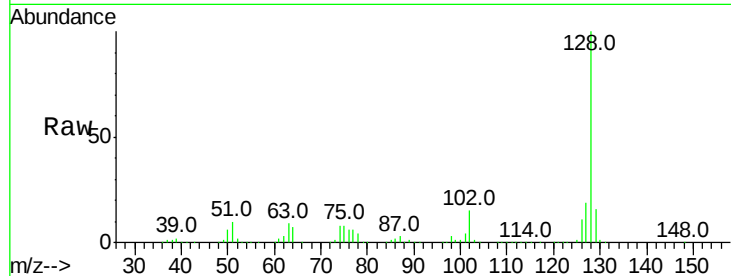
Tot Ion:128 Resp: 2851650

Ion Ratio Lower Upper

128 100

129 16.0 8.6 12.8#

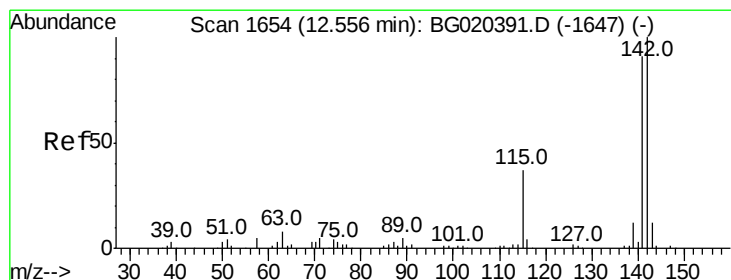
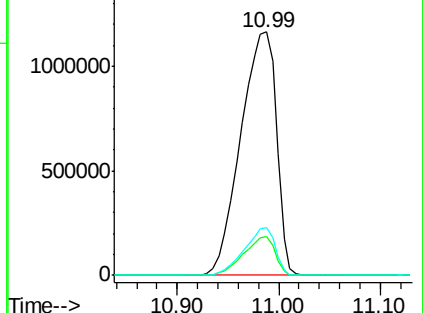
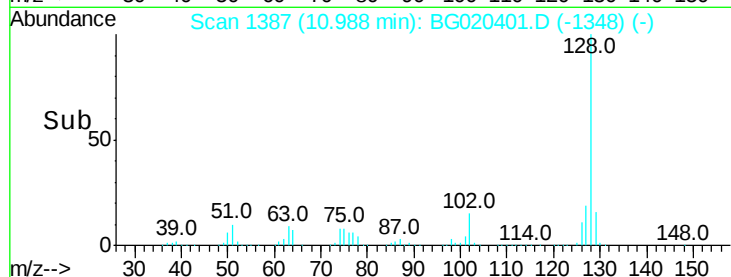
127 19.4 10.1 15.1#



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: 342.65 ng/ul

RT: 12.57 min Scan# 1657

Delta R.T. 0.02 min

Lab File: BG020401.D

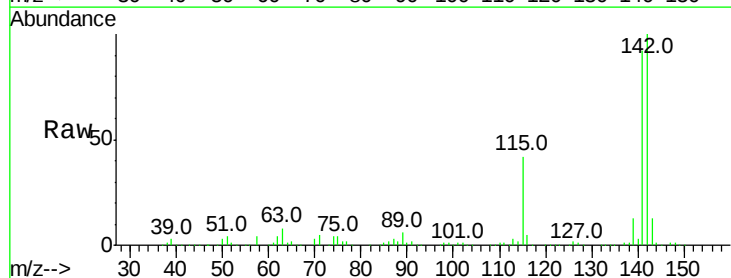
Acq: 22 Dec 2015 6:49

Tgt Ion:142 Resp: 1059329

Ion Ratio Lower Upper

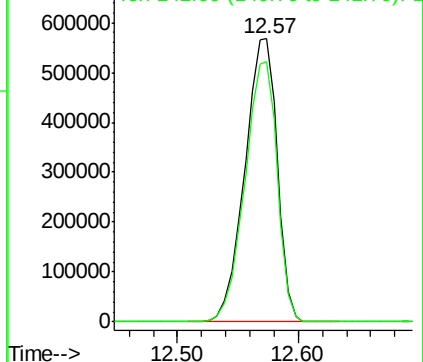
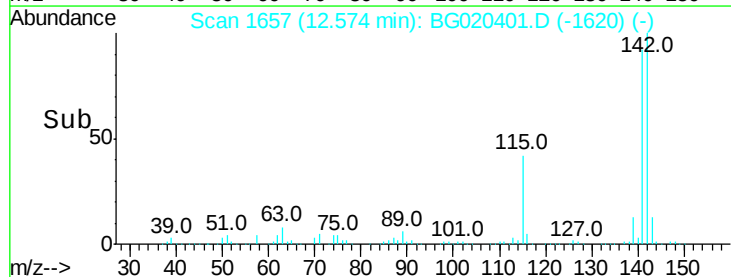
142 100

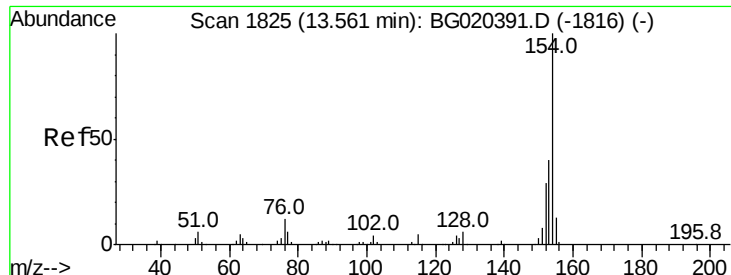
141 91.9 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#41

1,1'-Biphenyl

Concen: 96.80 ng/ul

RT: 13.56 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

Instrument :

BNA_G

ClientSampleId :

D9N51DL

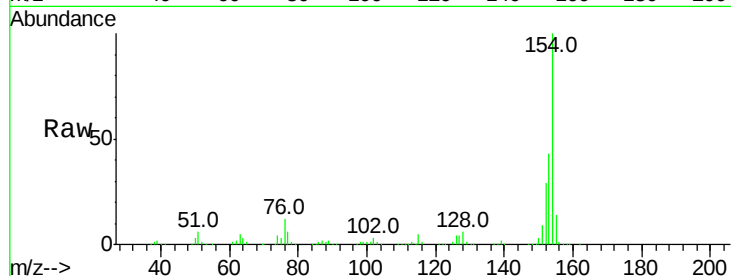
Tot Ion:154 Resp: 408362

Ion Ratio Lower Upper

154 100

153 42.6 35.5 53.3

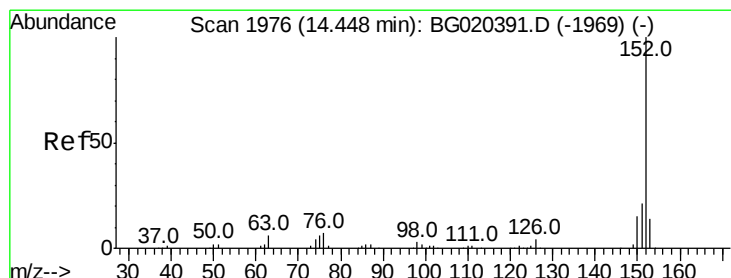
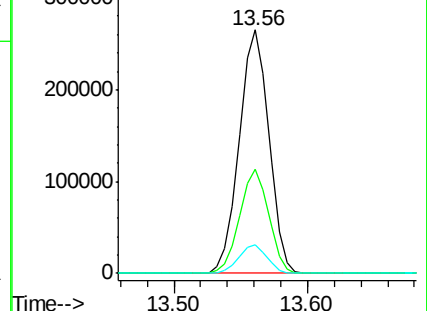
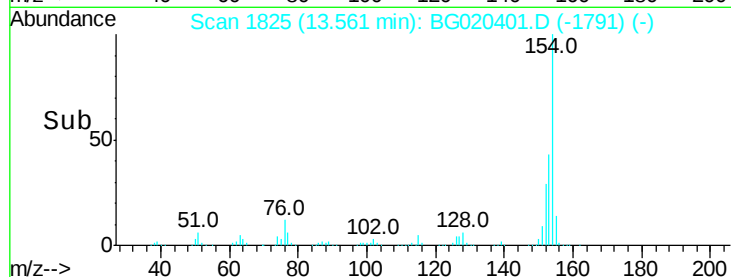
76 11.8 10.4 15.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B



#48

Acenaphthylene

Concen: 17.61 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

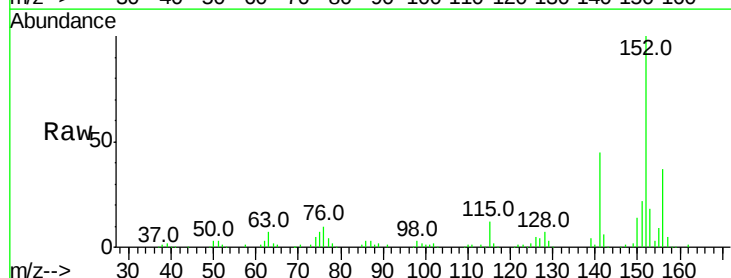
Tgt Ion:152 Resp: 98463

Ion Ratio Lower Upper

152 100

151 22.2 16.4 24.6

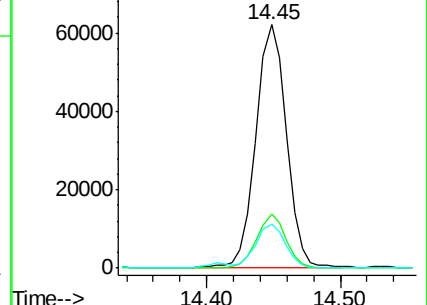
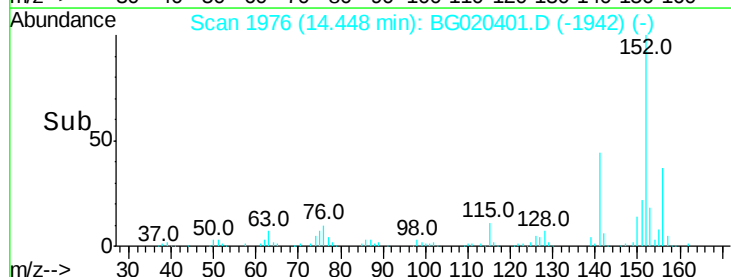
153 18.0 10.4 15.6#

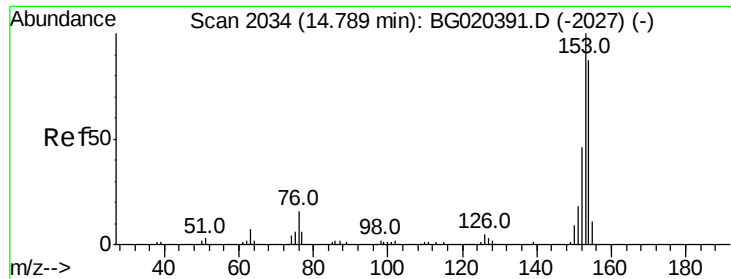


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 426.70 ng/ul

RT: 14.81 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

Instrument :

BNA_G

ClientSampleId :

D9N51DL

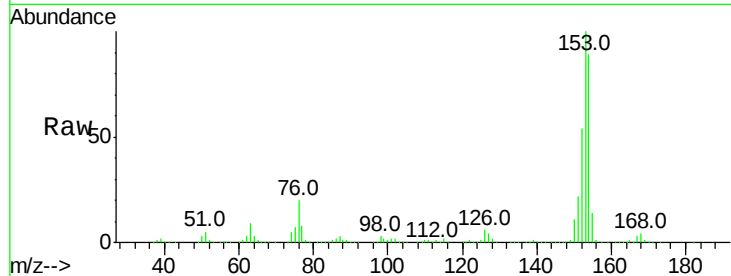
Tot Ion:153 Resp: 1605032

Ion Ratio Lower Upper

153 100

152 53.8 37.6 56.4

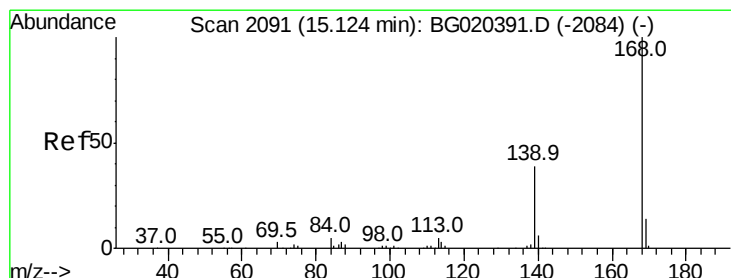
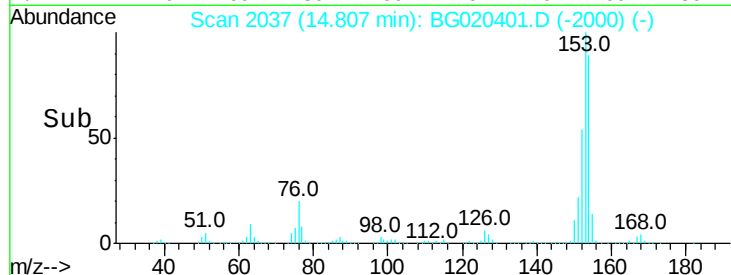
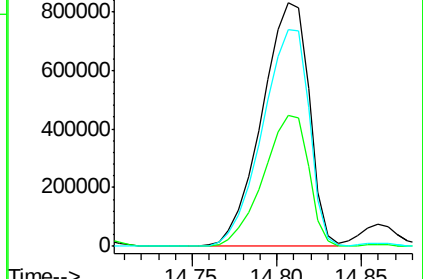
154 89.0 67.9 101.9



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: 285.95 ng/ul

RT: 15.14 min Scan# 2093

Delta R.T. 0.01 min

Lab File: BG020401.D

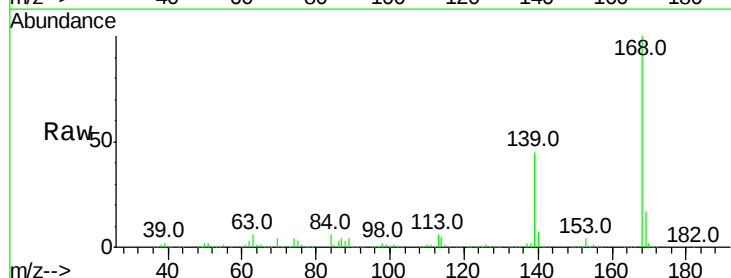
Acq: 22 Dec 2015 6:49

Tgt Ion:168 Resp: 1600040

Ion Ratio Lower Upper

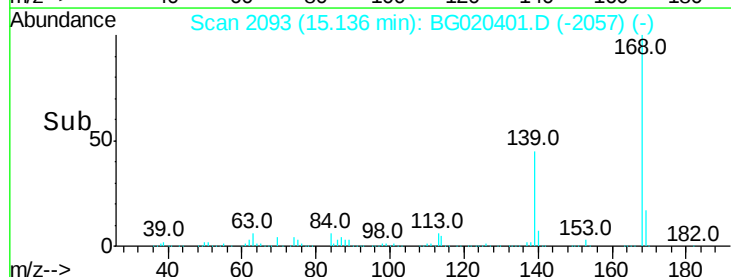
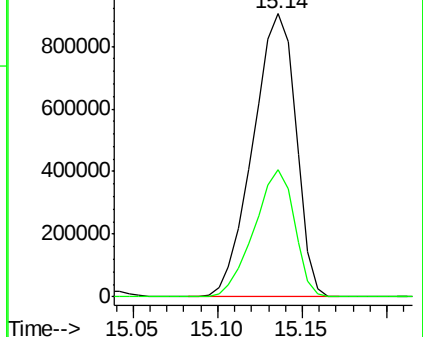
168 100

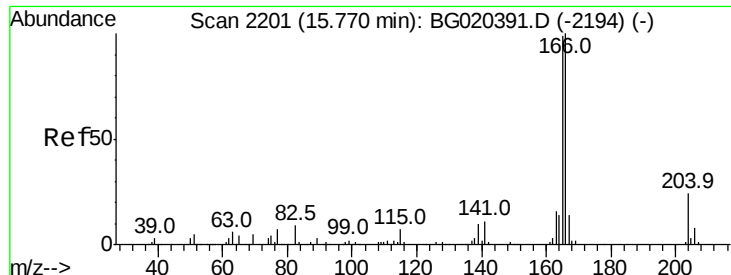
139 44.9 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 348.06 ng/ul

RT: 15.79 min Scan# 2204

Delta R.T. 0.02 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

Instrument :

BNA_G

ClientSampleID :

D9N51DL

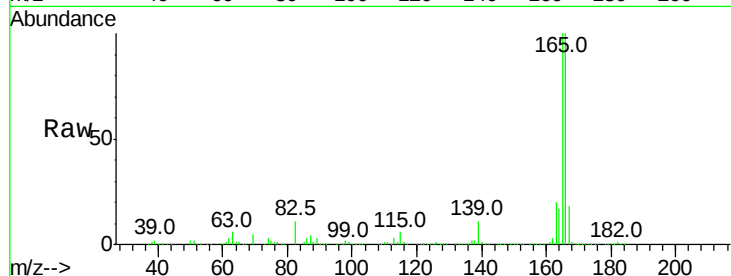
Tot Ion:166 Resp: 1563977

Ion Ratio Lower Upper

166 100

165 100.5 81.4 122.0

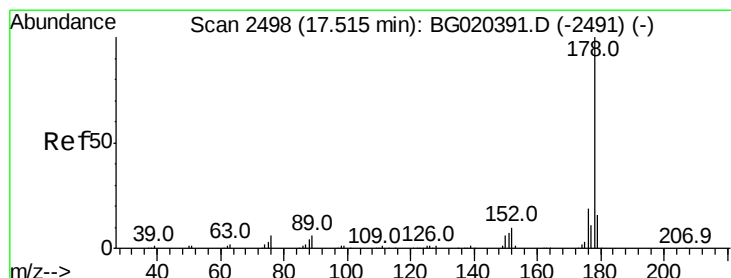
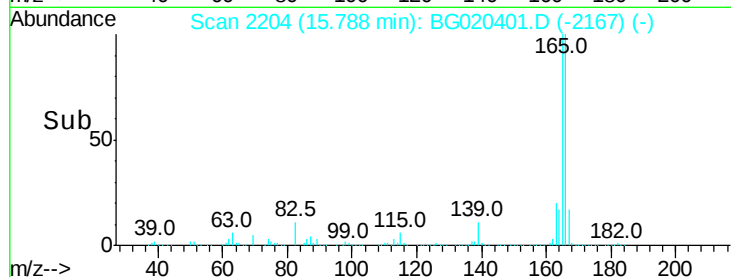
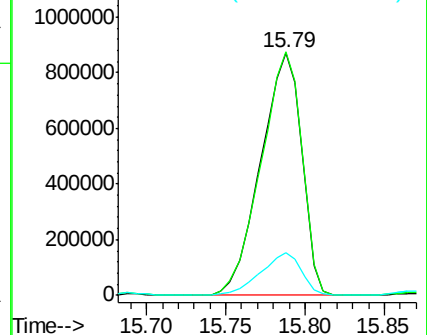
167 17.6 11.2 16.8#



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



#70

Phenanthrene

Concen: 685.14 ng/ul m

RT: 17.56 min Scan# 2505

Delta R.T. 0.04 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

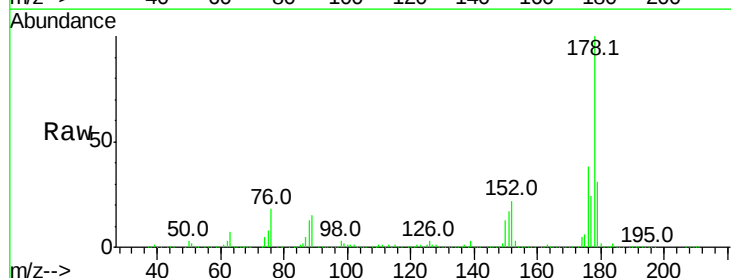
Tgt Ion:178 Resp: 4580722

Ion Ratio Lower Upper

178 100

179 31.1 12.9 19.3#

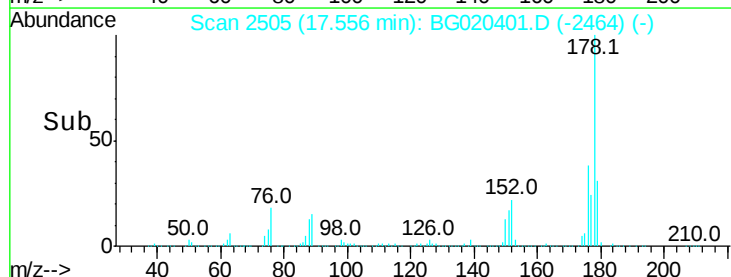
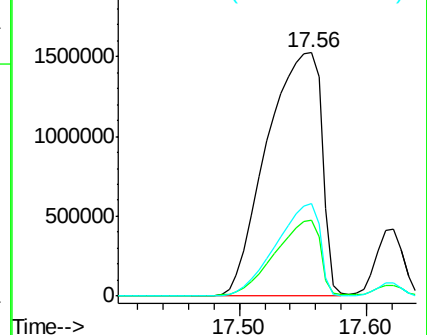
176 37.9 15.3 22.9#

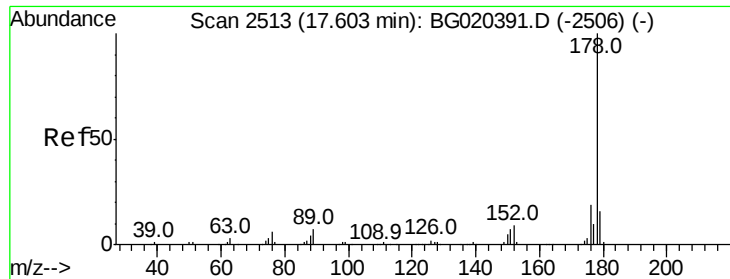


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 91.12 ng/ul

RT: 17.62 min Scan# 2516

Delta R.T. 0.02 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

Instrument :

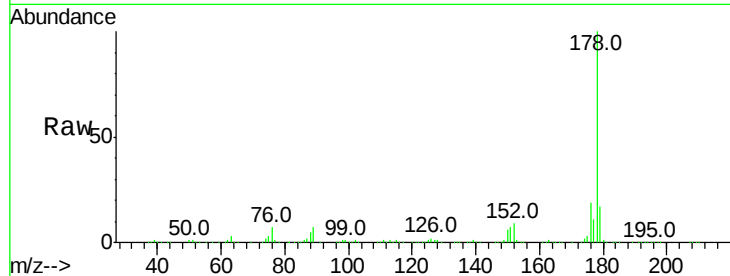
BNA_G

ClientSampleId :

D9N51DL

Tot Ion:178 Resp: 617897

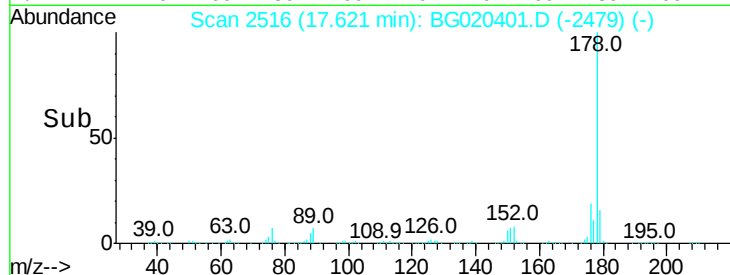
Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.3	18.5
176	19.1	14.3	21.5



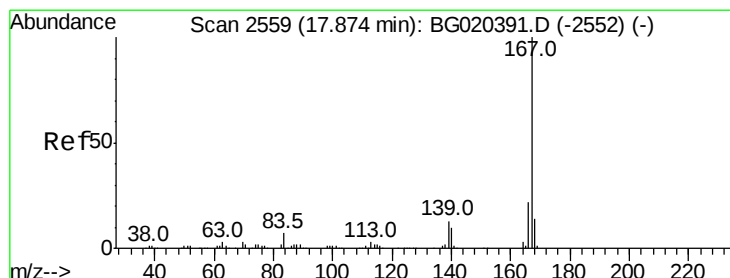
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.55 17.60 17.65



#75

Carbazole

Concen: 61.91 ng/ul

RT: 17.87 min Scan# 2559

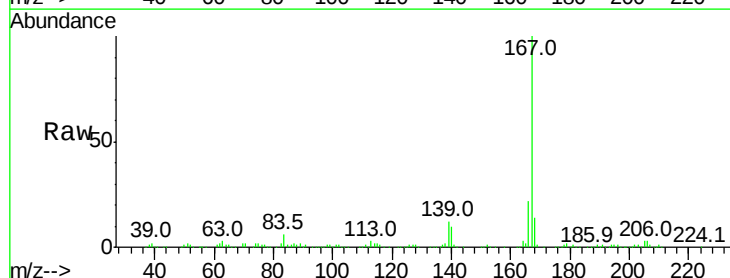
Delta R.T. 0.00 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

Tgt Ion:167 Resp: 352747

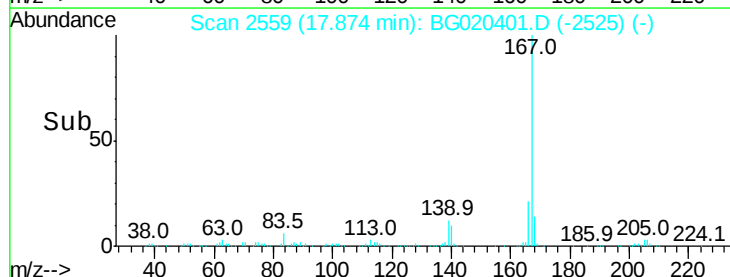
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	12.5	10.1	15.1



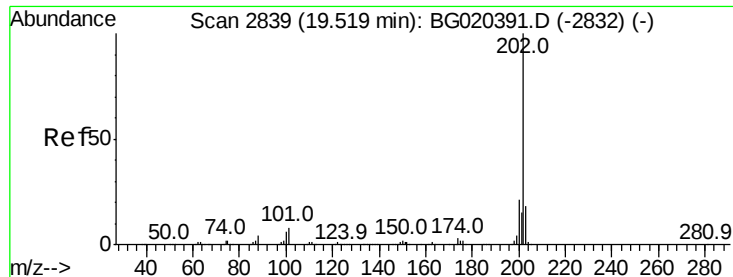
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



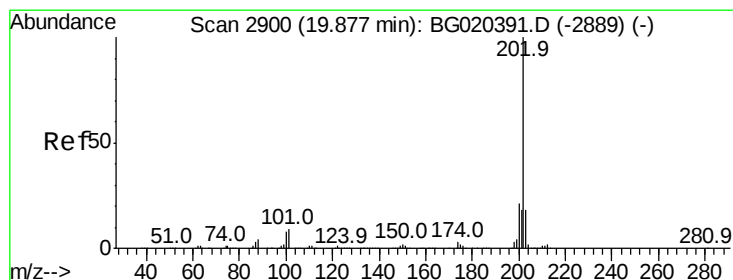
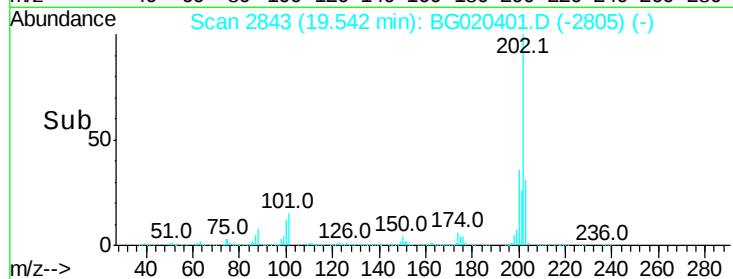
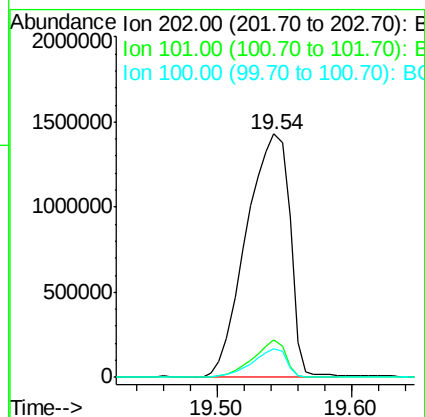
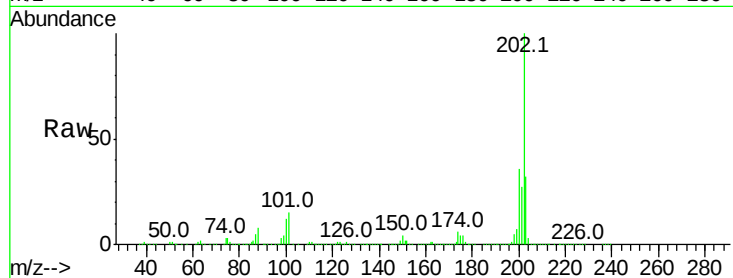
Time--> 17.80 17.85 17.90 17.95



#77
 Fluoranthene
 Concen: 412.58 ng/ul
 RT: 19.54 min Scan# 2843
 Delta R.T. 0.02 min
 Lab File: BG020401.D
 Acq: 22 Dec 2015 6:49

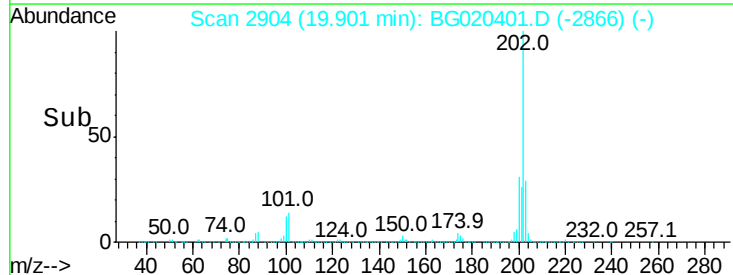
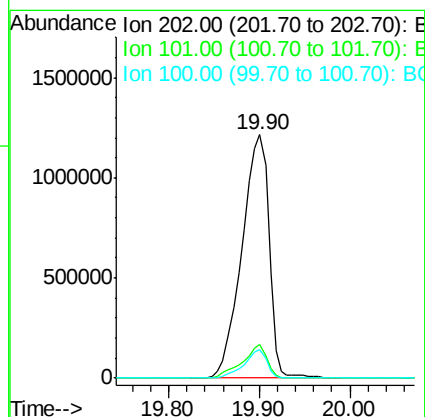
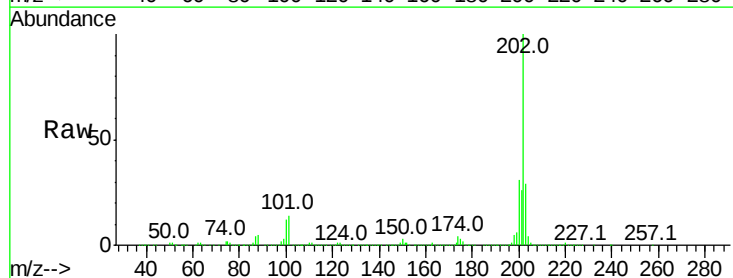
Instrument :
 BNA_G
 ClientSampleID :
 D9N51DL

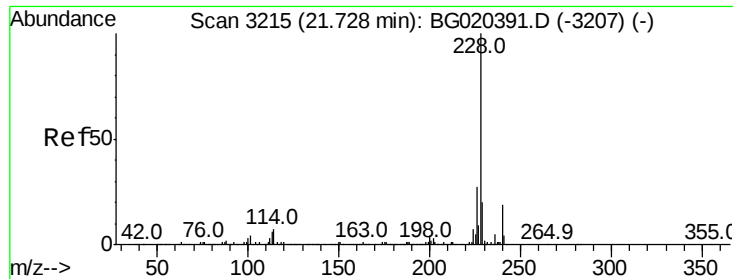
Tot Ion:202 Resp: 3223794
 Ion Ratio Lower Upper
 202 100
 101 15.3 6.2 9.4#
 100 12.0 5.1 7.7#



#80
 Pyrene
 Concen: 268.43 ng/ul
 RT: 19.90 min Scan# 2904
 Delta R.T. 0.02 min
 Lab File: BG020401.D
 Acq: 22 Dec 2015 6:49

Tgt Ion:202 Resp: 2509772
 Ion Ratio Lower Upper
 202 100
 101 13.6 7.0 10.4#
 100 11.7 6.4 9.6#





#83

Benzo(a)anthracene

Concen: 85.90 ng/ul

RT: 21.73 min Scan# 3215

Delta R.T. 0.00 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

Instrument :

BNA_G

ClientSampleId :

D9N51DL

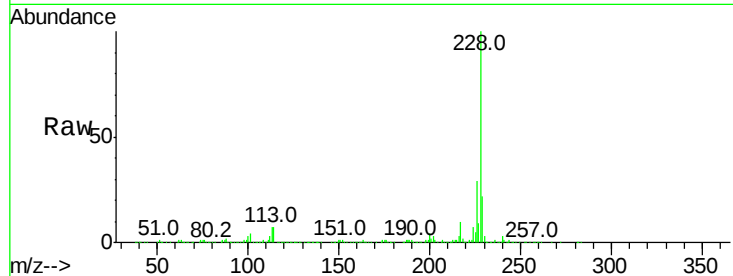
Tot Ion:228 Resp: 774321

Ion Ratio Lower Upper

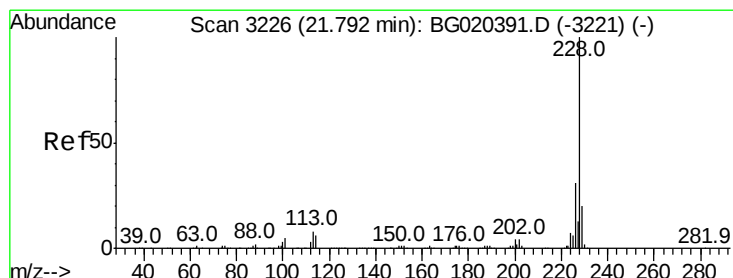
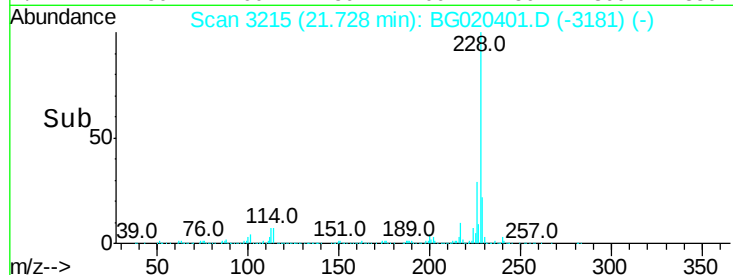
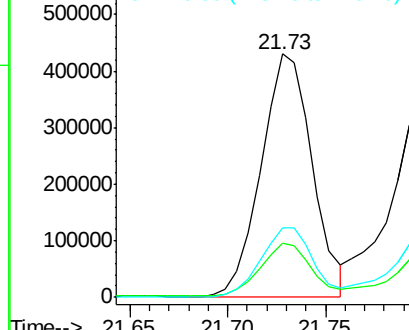
228 100

229 22.3 15.8 23.8

226 28.6 21.8 32.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 76.47 ng/ul

RT: 21.80 min Scan# 3227

Delta R.T. 0.01 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

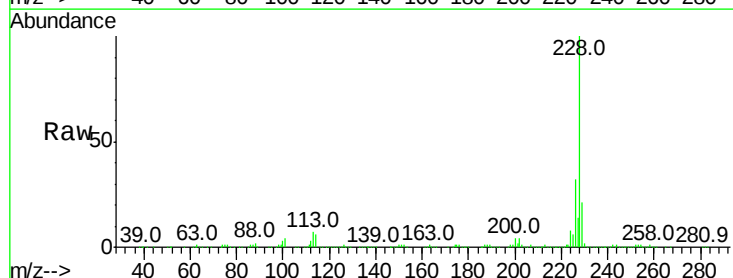
Tgt Ion:228 Resp: 649186

Ion Ratio Lower Upper

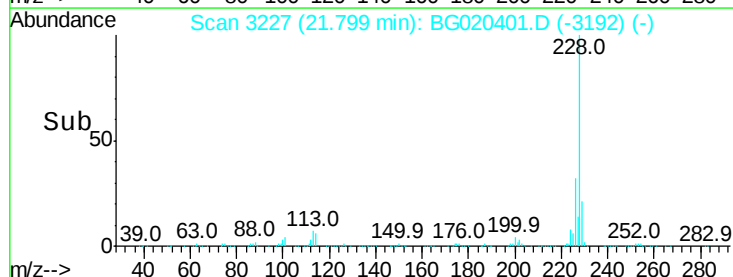
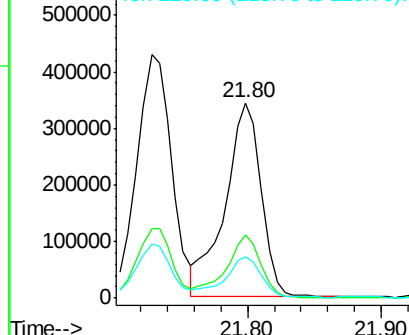
228 100

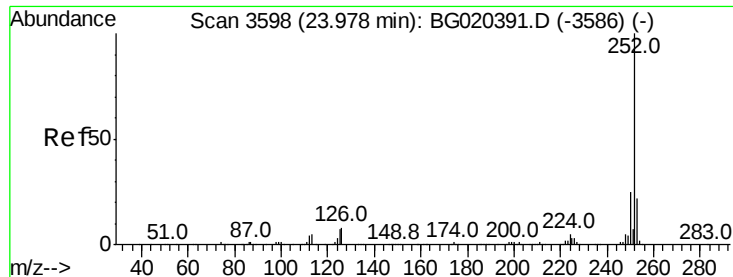
226 32.4 23.9 35.9

229 21.2 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: 41.95 ng/ul

RT: 23.98 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

Instrument :

BNA_G

ClientSampleId :

D9N51DL

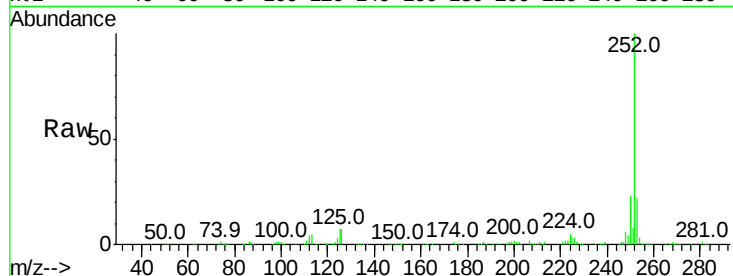
Tot Ion:252 Resp: 353013

Ion Ratio Lower Upper

252 100

253 21.8 16.7 25.1

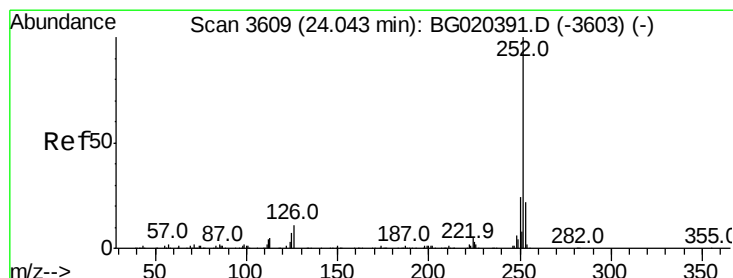
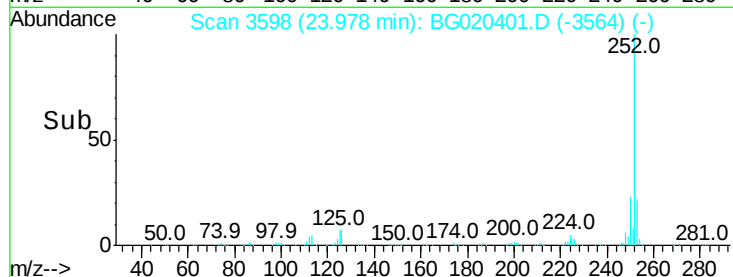
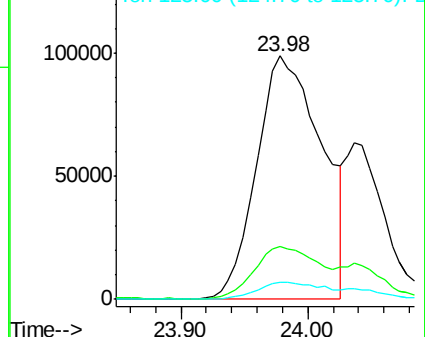
125 7.0 6.2 9.2



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: 17.90 ng/ul m

RT: 24.04 min Scan# 3608

Delta R.T. -0.01 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

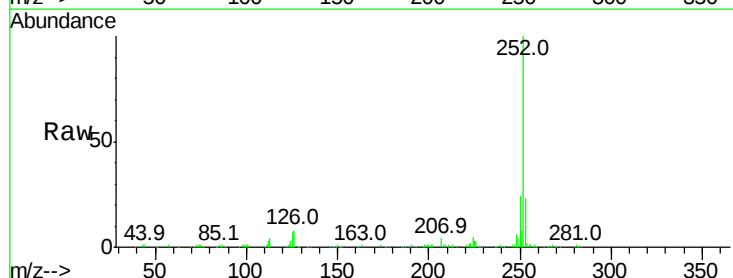
Tgt Ion:252 Resp: 144545

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

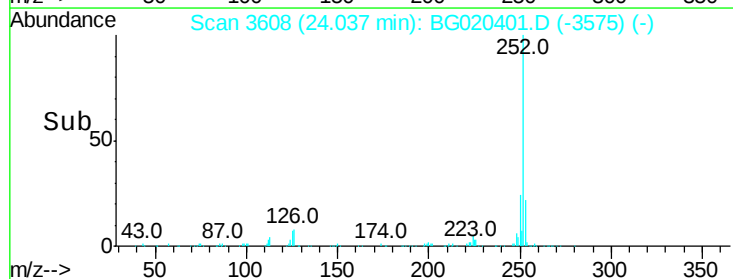
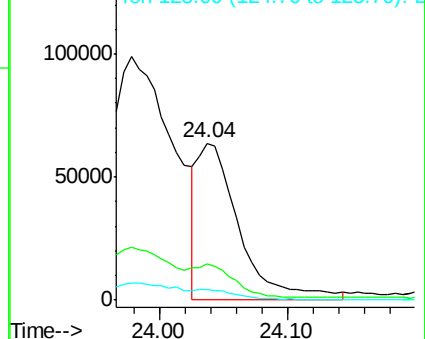
125 7.0 5.8 8.6

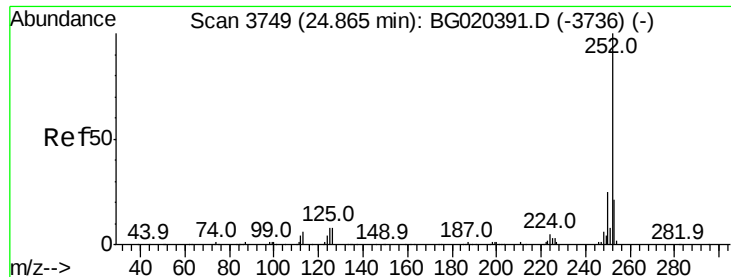


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 23.38 ng/ul

RT: 24.87 min Scan# 3749

Delta R.T. 0.00 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

Instrument :

BNA_G

ClientSampleId :

D9N51DL

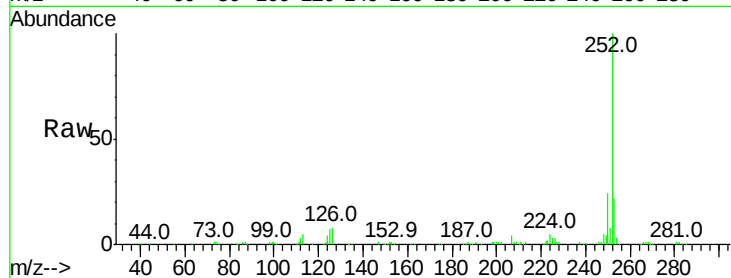
Tot Ion:252 Resp: 186504

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.4

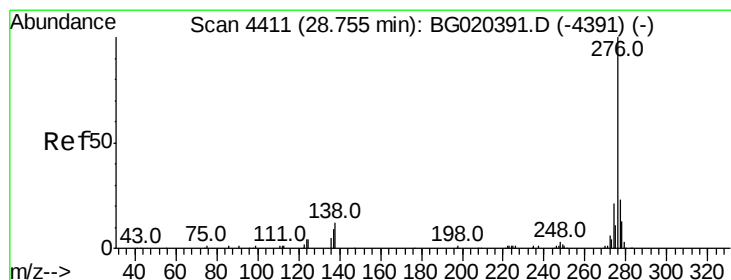
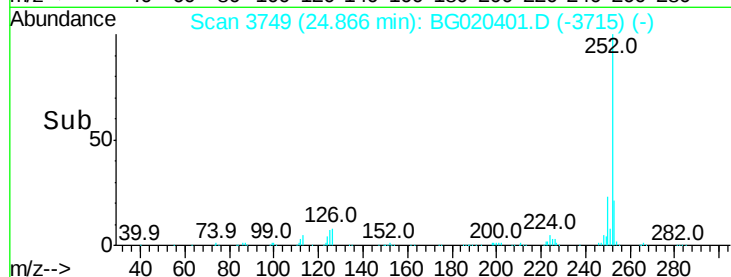
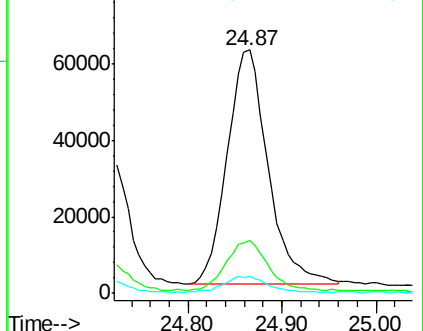
125 7.0 6.2 9.4



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 3.80 ng/ul

RT: 28.75 min Scan# 4410

Delta R.T. -0.01 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

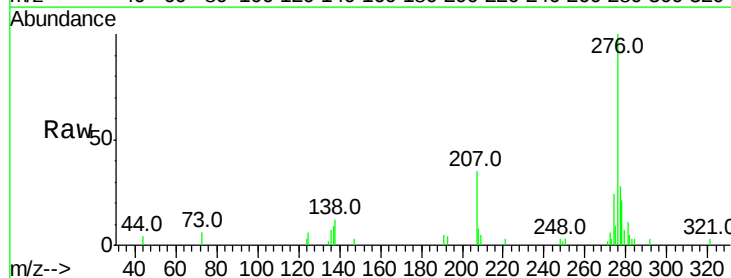
Tgt Ion:276 Resp: 36053

Ion Ratio Lower Upper

276 100

138 12.3 11.4 17.0

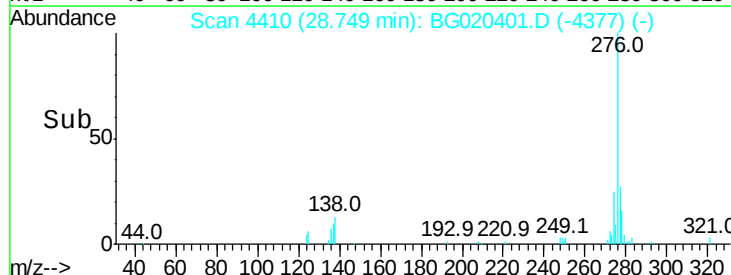
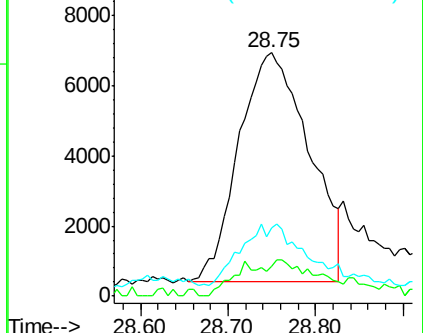
277 28.3 17.4 26.0#

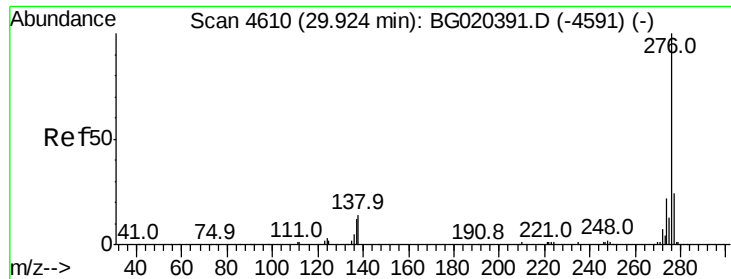


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(a,h,i)perylene

Concen: 3.63 ng/ul m

RT: 29.91 min Scan# 4608

Delta R.T. -0.01 min

Lab File: BG020401.D

Acq: 22 Dec 2015 6:49

Instrument :

BNA_G

ClientSampleId :

D9N51DL

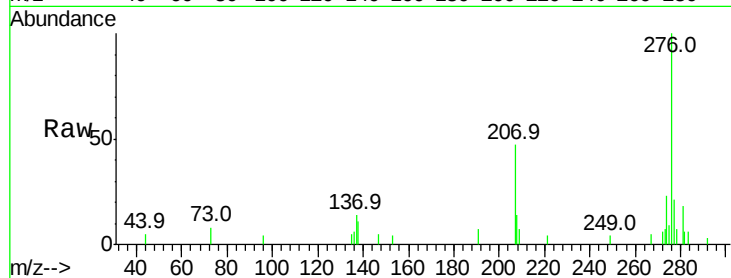
Tot Ion:276 Resp: 28235

Ion Ratio Lower Upper

276 100

138 11.2 10.8 16.2

277 21.0 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

