

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020415.D
 Acq On : 22 Dec 2015 18:54
 Operator : UM/SJ
 Sample : G4849-08
 Misc : med level RX
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N72ME

Quant Time: Dec 23 04:15:40 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 04:11:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	17192	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	76453	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	55634	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.56	188	200267	20.00	ng/ul	0.10
78) Chrysene-d12	21.73	240	178086	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	171721	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	897	2.88	ng/uL	0.00
5) Phenol-d5	7.24	99	27336	18.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	18963	20.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	22780	20.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	27528	21.23	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	14763	24.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	17861	26.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	31862	23.72	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	39696	26.31	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	141814	31.51	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	151825	29.00	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	18222	22.58	ng/ul	0.00
58) Fluorene-d10	15.71	176	121769	29.83	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.92	200	140	0.12	ng/ul	0.09
71) Anthracene-d10	17.56	188	200267	21.70	ng/ul	0.00
79) Pyrene-d10	19.84	212	240879	29.02	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	278633	32.53	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.95	128	289992	72.63	ng/ul	98
30) 4-Chloroaniline	10.95	127	39364	25.56	ng/ul#	12
34) 2-Methylnaphthalene	12.55	142	124095	40.69	ng/ul	96
35) 1-Methylnaphthalene	12.77	142	61754	21.06	ng/ul#	96
41) 1,1'-Biphenyl	13.55	154	60204	14.34	ng/ul	95
45) Dimethylphthalate	14.16	163	25098	5.46	ng/ul	99
50) Acenaphthene	14.78	153	233656	62.43	ng/ul	99
54) Dibenzofuran	15.12	168	273756	49.17	ng/ul	99
59) Fluorene	15.76	166	213989	47.86	ng/ul	100
61) 4-Nitroaniline	15.76	138	2567	2.57	ng/ul#	10
70) Phenanthrene	17.60	178	92252	8.42	ng/ul	97
72) Anthracene	17.60	178	89221	8.03	ng/ul	98
75) Carbazole	17.87	167	31487	3.37	ng/ul	97
77) Fluoranthene	19.51	202	820559	64.09	ng/ul	99
80) Pyrene	19.88	202	570264	52.91	ng/ul	98
83) Benzo(a)anthracene	21.72	228	138854	13.36	ng/ul	98
85) Chrysene	21.78	228	110405	11.28	ng/ul	98
88) Benzo(b)fluoranthene	23.95	252	71897	6.96	ng/ul	96
89) Benzo(k)fluoranthene	23.95	252	71897	7.25	ng/ul	99
91) Benzo(a)pyrene	24.85	252	39476	4.03	ng/ul	97
94) Benzo(g,h,i)perylene	29.88	276	9649	1.01	ng/ul	100

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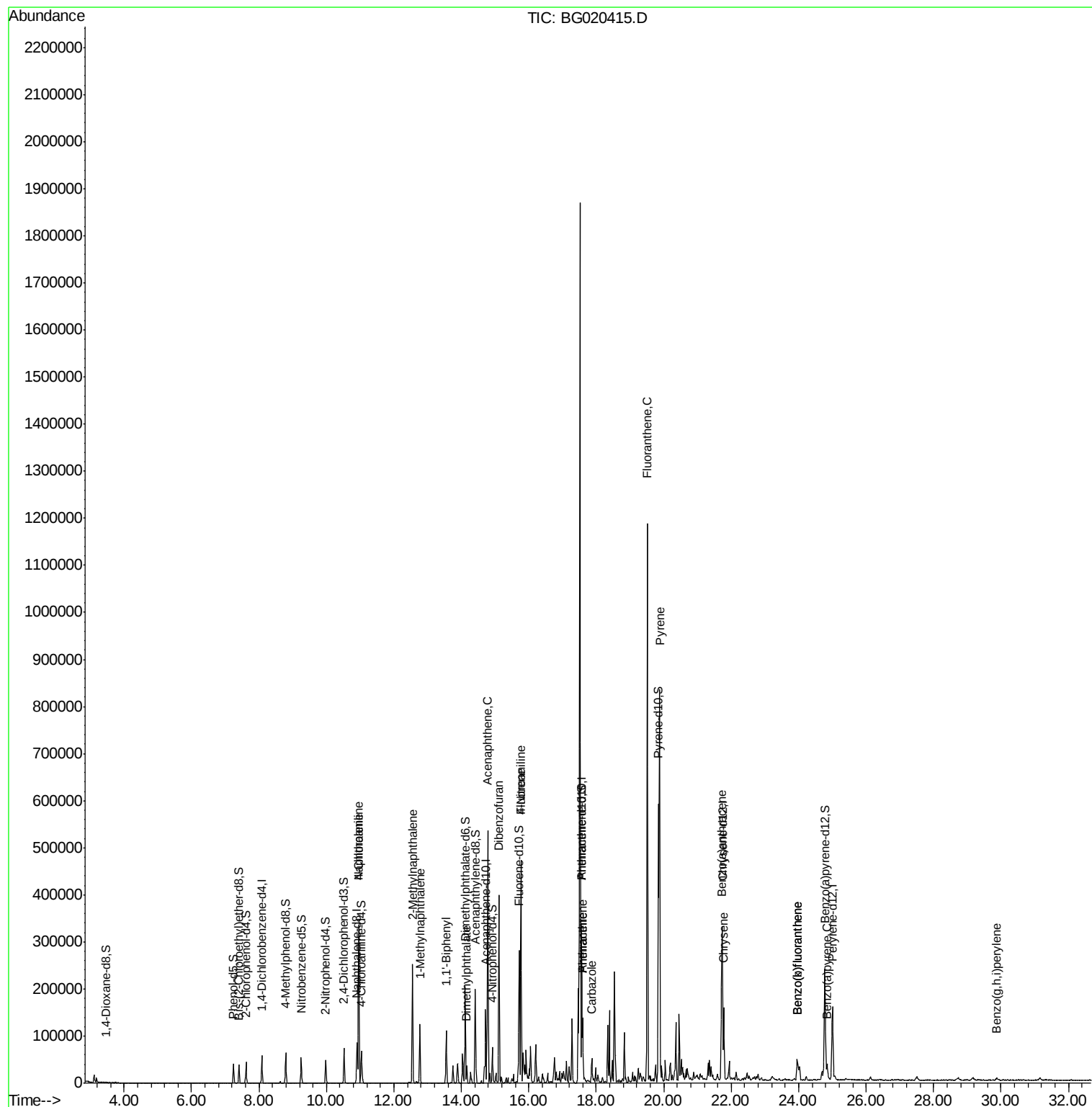
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

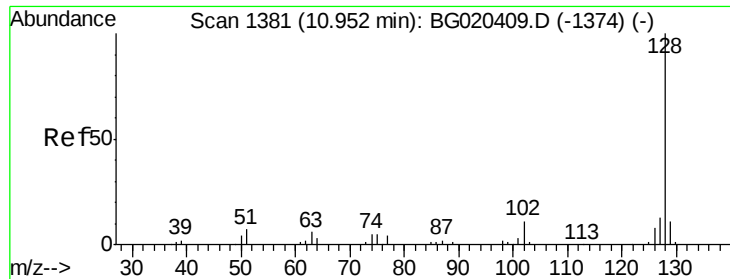
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#28

Naphthalene

Concen: 72.63 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.00 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

Instrument :

BNA_G

ClientSampleId :

D9N72ME

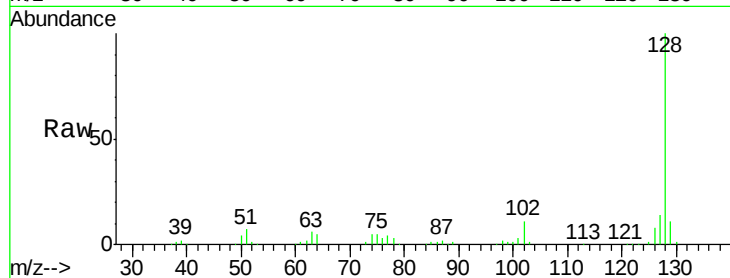
Tgt Ion:128 Resp: 289992

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

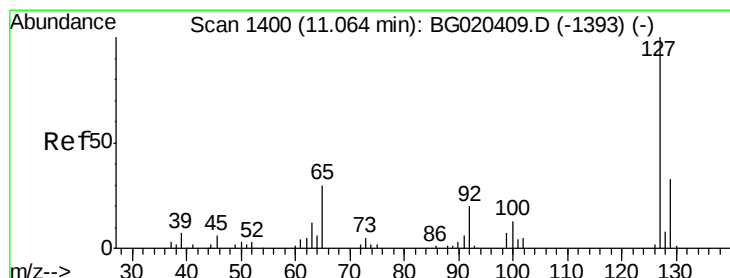
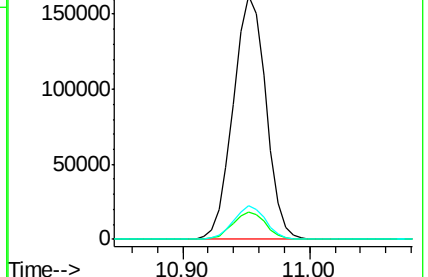
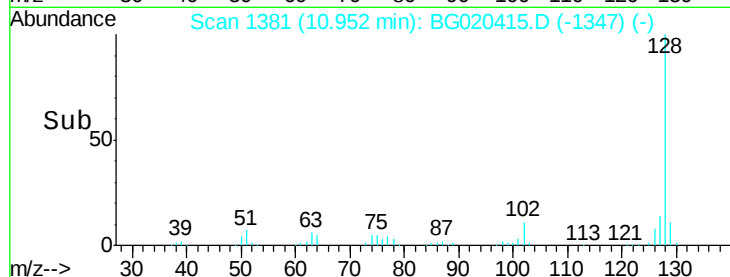
127 13.8 10.1 15.1



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: 25.56 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.11 min

Lab File: BG020415.D

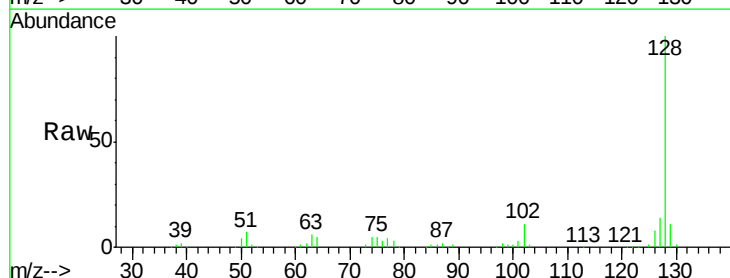
Acq: 22 Dec 2015 18:54

Tgt Ion:127 Resp: 39364

Ion Ratio Lower Upper

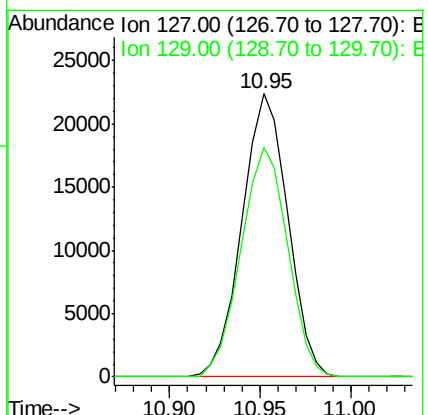
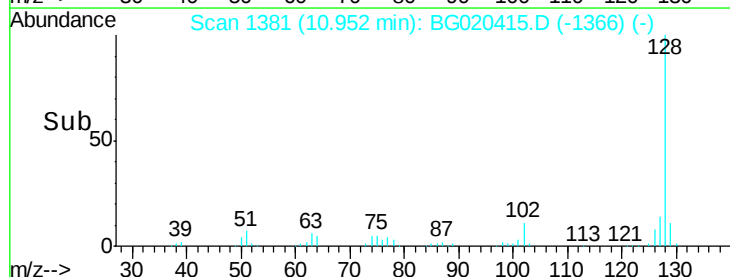
127 100

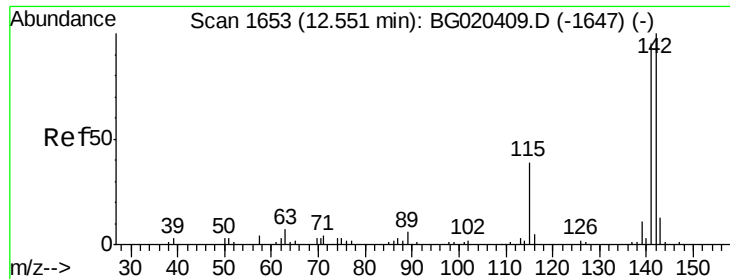
129 81.3 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 40.69 ng/ul

RT: 12.55 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

Instrument :

BNA_G

ClientSampleId :

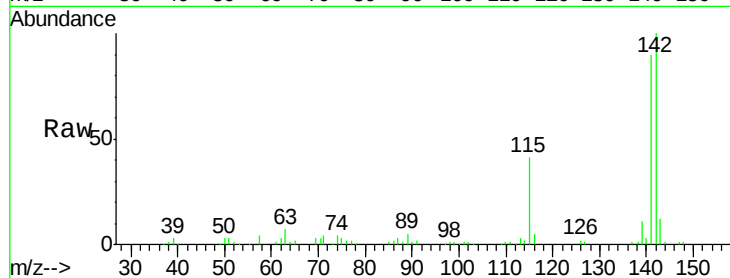
D9N72ME

Tgt Ion:142 Resp: 124095

Ion Ratio Lower Upper

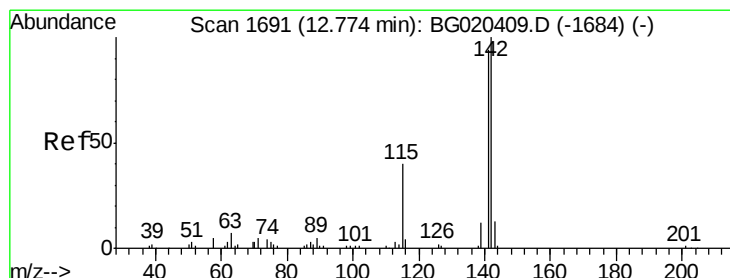
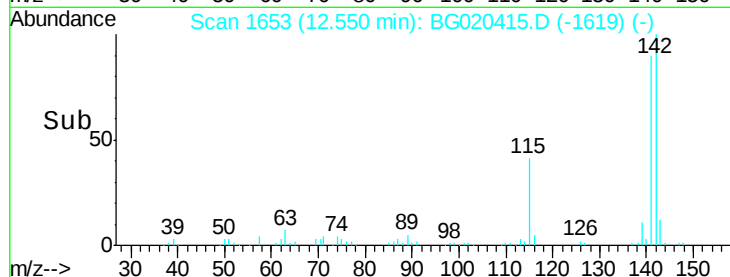
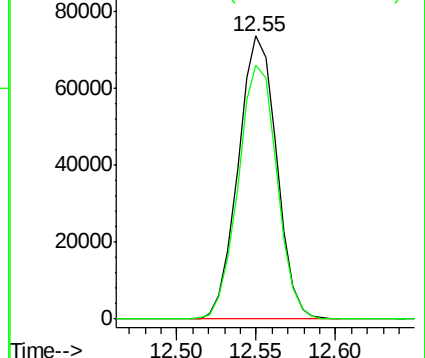
142 100

141 89.5 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: 21.06 ng/ul

RT: 12.77 min Scan# 1690

Delta R.T. -0.01 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

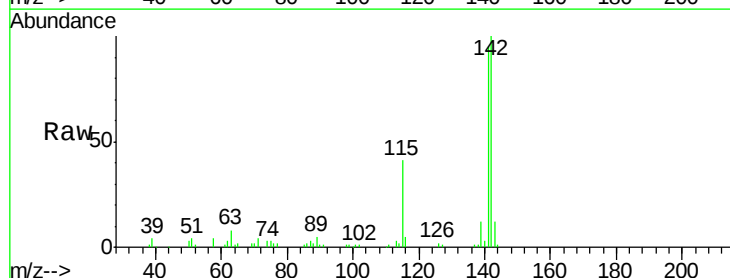
Tgt Ion:142 Resp: 61754

Ion Ratio Lower Upper

142 100

141 95.1 73.0 109.6

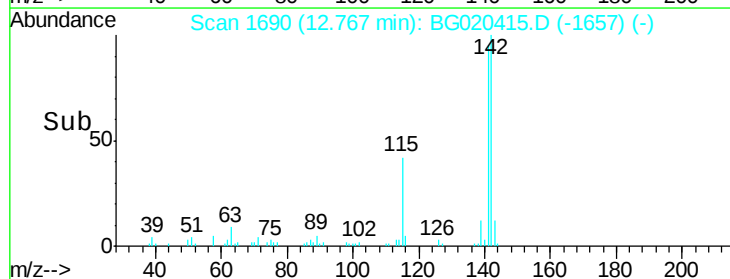
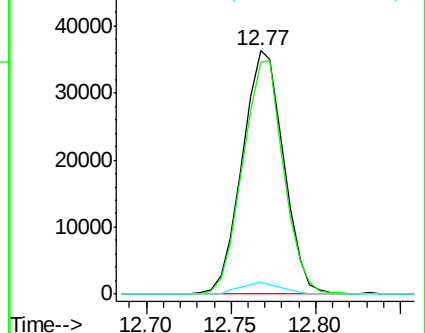
116 4.7 3.0 4.6#

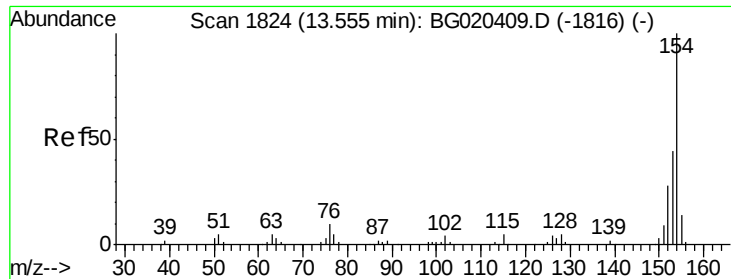


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

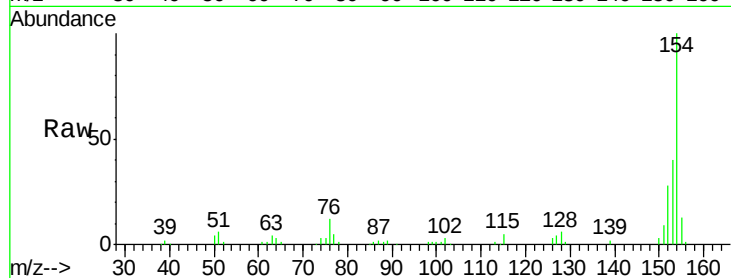




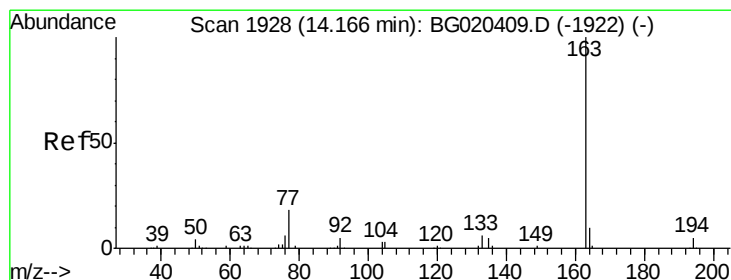
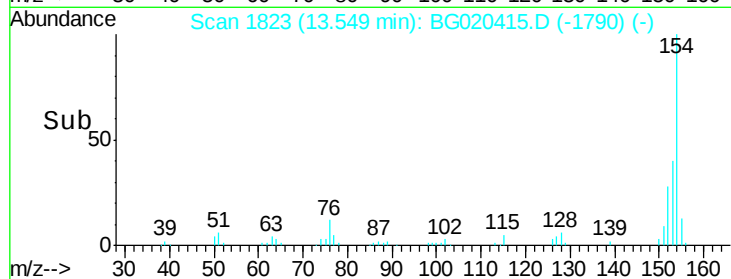
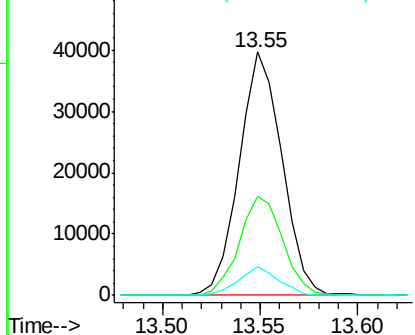
#41
 1,1'-Biphenyl
 Concen: 14.34 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BG020415.D
 Acq: 22 Dec 2015 18:54

Instrument :
 BNA_G
 ClientSampleId :
 D9N72ME

Tgt Ion:154 Resp: 60204
 Ion Ratio Lower Upper
 154 100
 153 40.4 35.5 53.3
 76 11.6 10.4 15.6

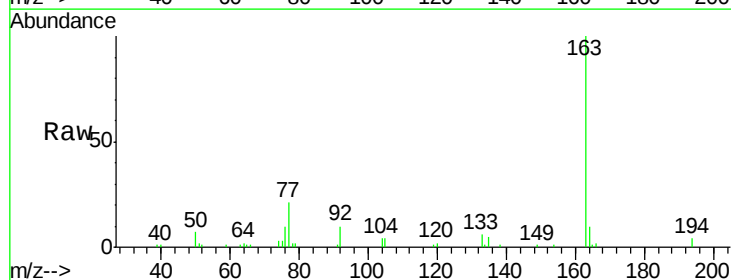


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

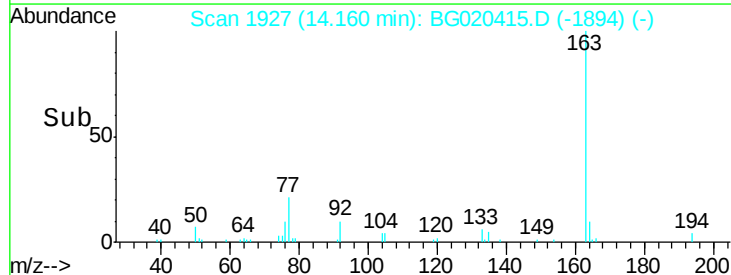
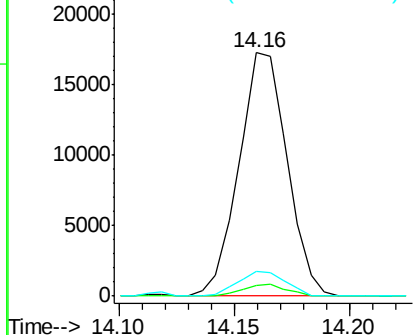


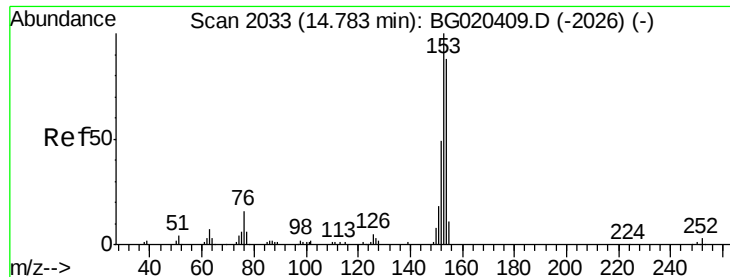
#45
 Dimethylphthalate
 Concen: 5.46 ng/ul
 RT: 14.16 min Scan# 1927
 Delta R.T. -0.01 min
 Lab File: BG020415.D
 Acq: 22 Dec 2015 18:54

Tgt Ion:163 Resp: 25098
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.5 5.3
 164 10.2 7.7 11.5



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 62.43 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

Instrument :

BNA_G

ClientSampleId :

D9N72ME

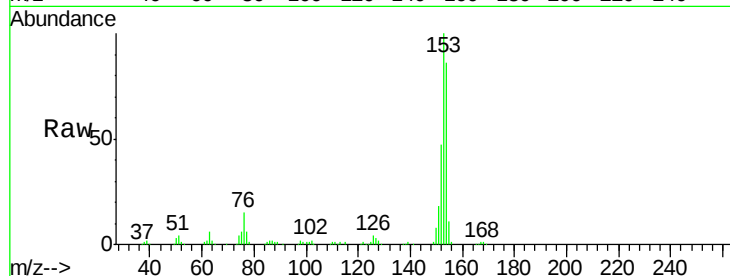
Tgt Ion:153 Resp: 233656

Ion Ratio Lower Upper

153 100

152 47.2 37.6 56.4

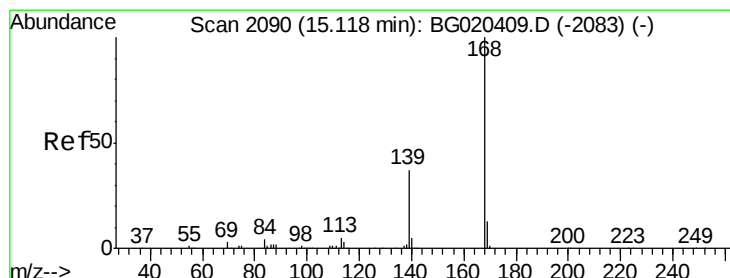
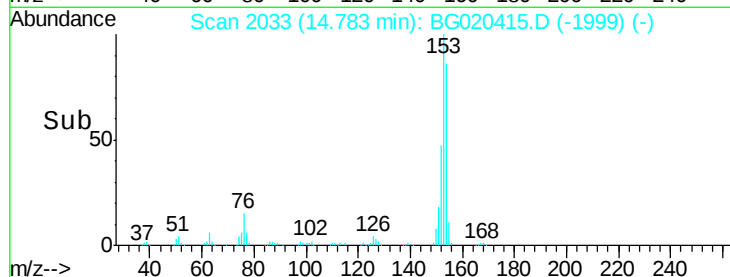
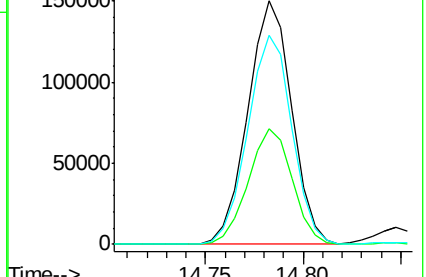
154 86.1 67.9 101.9



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: 49.17 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BG020415.D

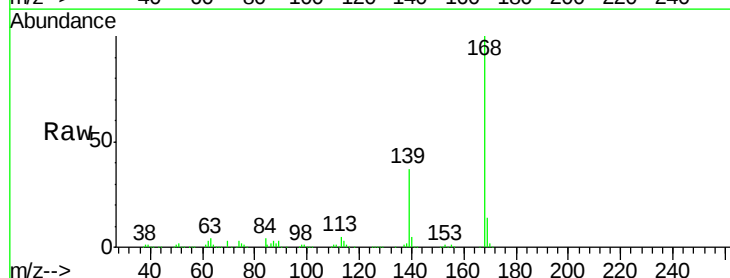
Acq: 22 Dec 2015 18:54

Tgt Ion:168 Resp: 273756

Ion Ratio Lower Upper

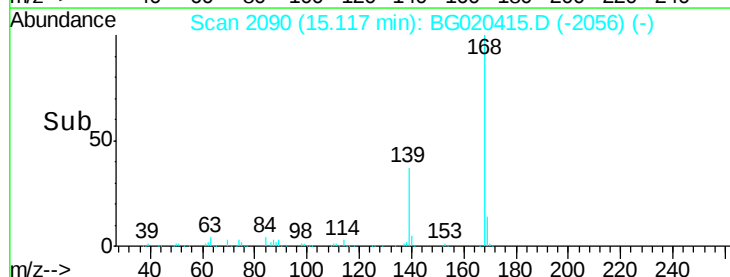
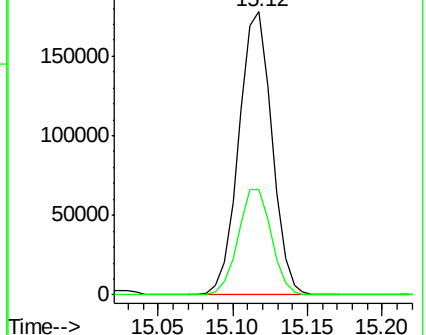
168 100

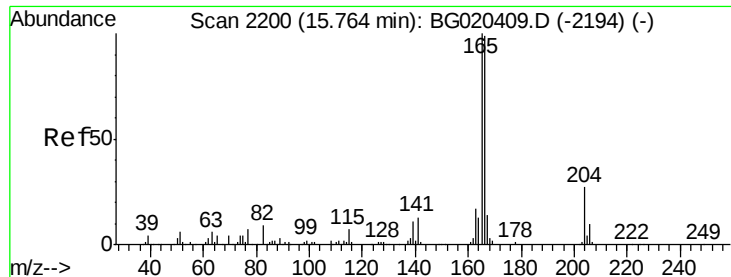
139 37.2 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 47.86 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. -0.00 min

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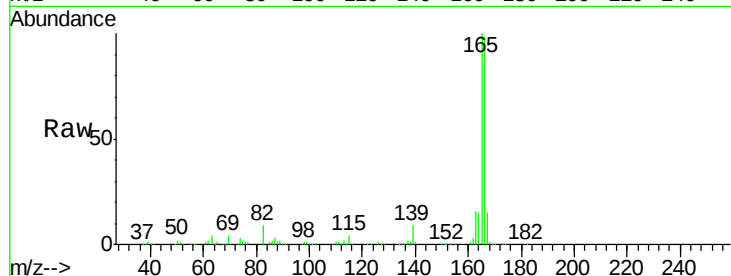
Tgt Ion:166 Resp: 213989

Ion Ratio Lower Upper

166 100

165 101.8 81.4 122.0

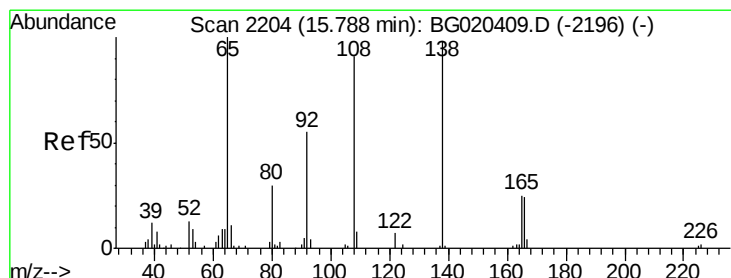
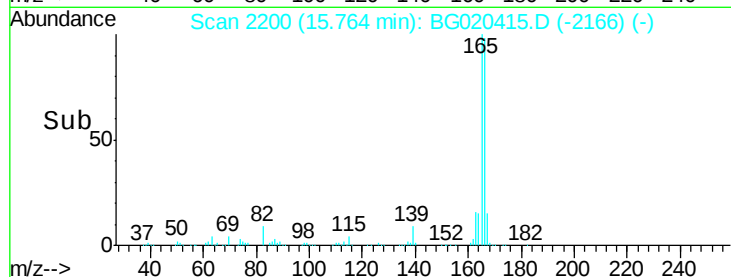
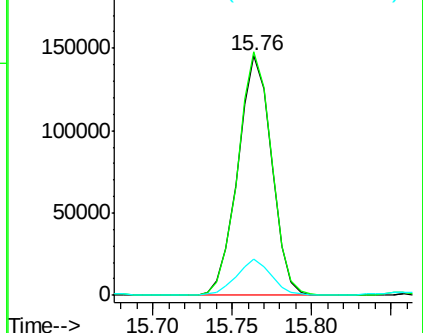
167 15.3 11.2 16.8



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



#61

4-Nitroaniline

Concen: 2.57 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. -0.02 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

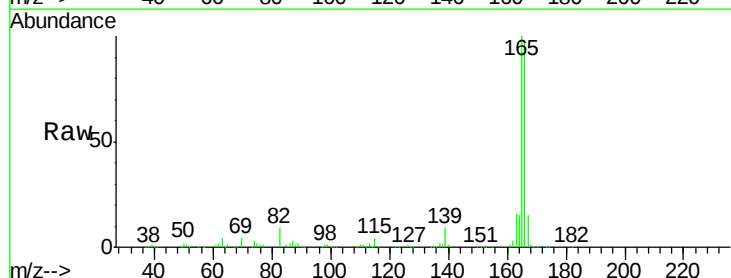
Tgt Ion:138 Resp: 2567

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

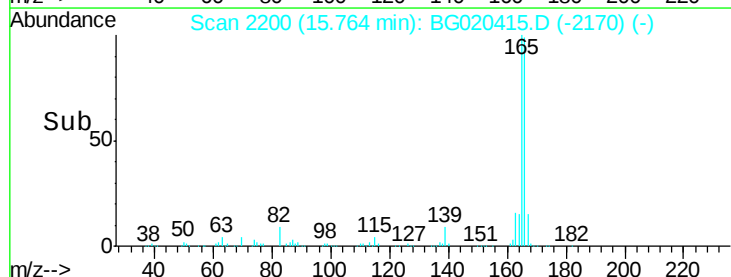
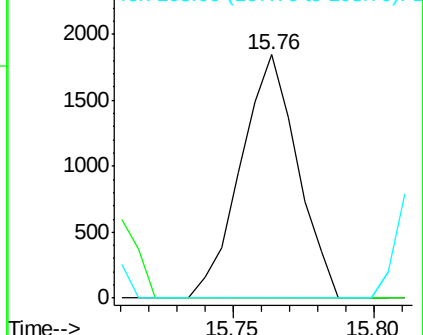
108 0.0 75.4 113.0#

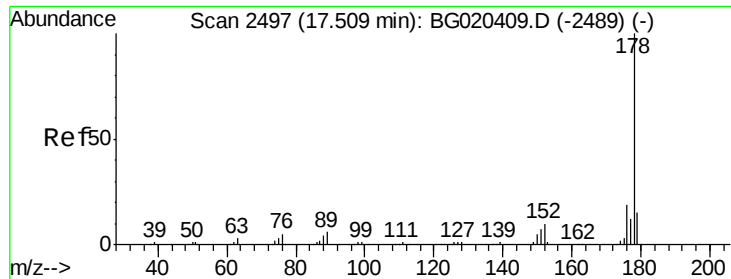


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 8.42 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. 0.09 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

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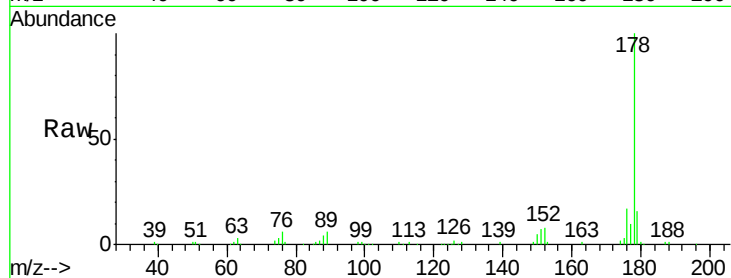
Tgt Ion:178 Resp: 92252

Ion Ratio Lower Upper

178 100

179 16.1 12.9 19.3

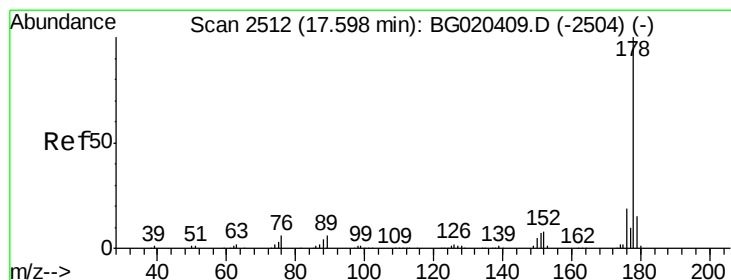
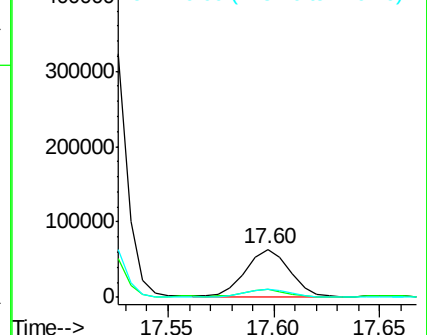
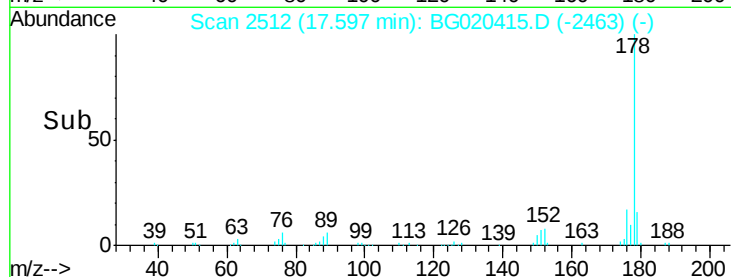
176 16.9 15.3 22.9



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: 8.03 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

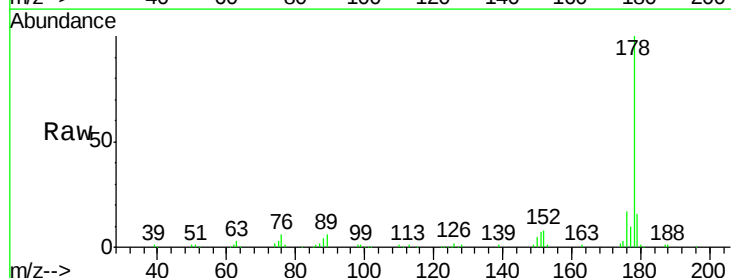
Tgt Ion:178 Resp: 89221

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

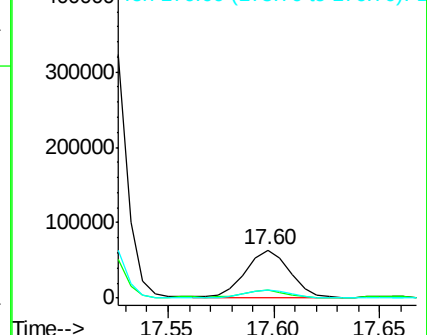
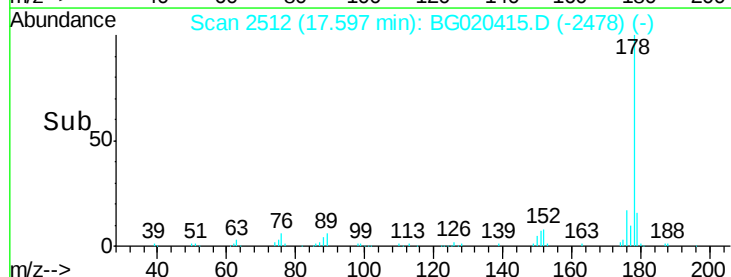
176 16.9 14.3 21.5

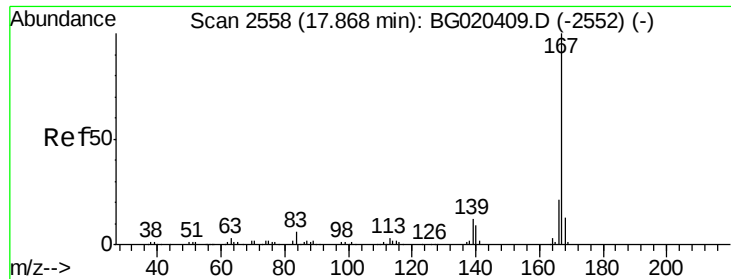


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 3.37 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

Instrument :

BNA_G

ClientSampleId :

D9N72ME

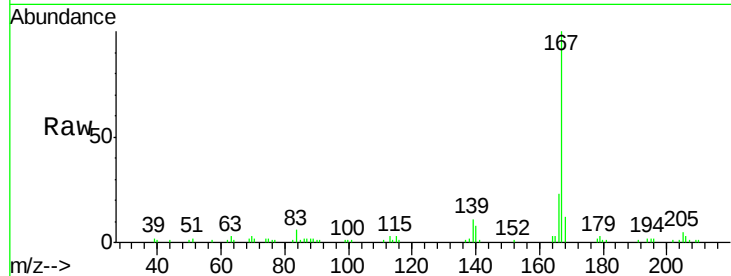
Tgt Ion:167 Resp: 31487

Ion Ratio Lower Upper

167 100

166 22.8 17.0 25.6

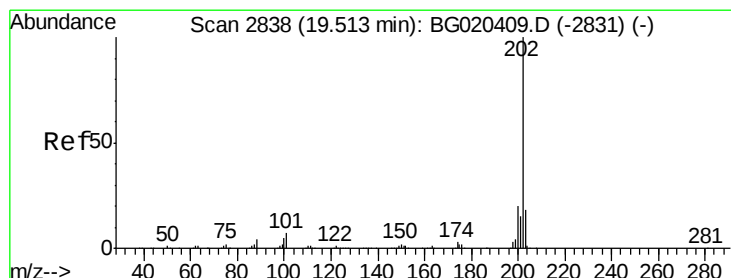
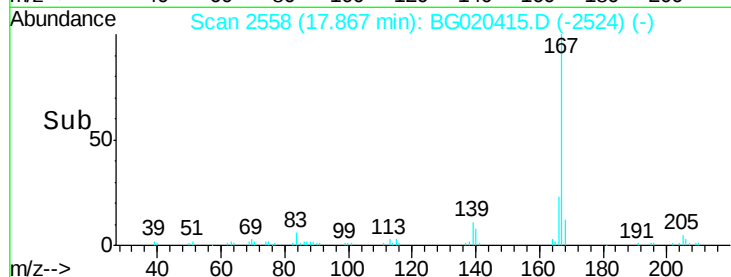
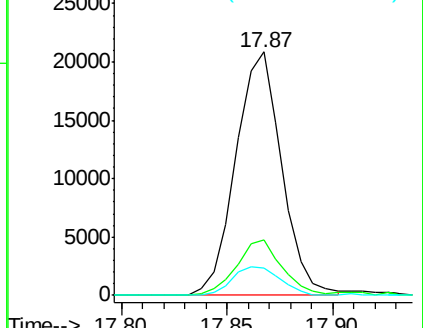
139 11.1 10.1 15.1



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: 64.09 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

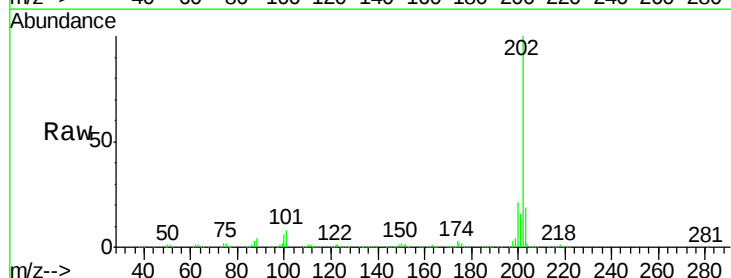
Tgt Ion:202 Resp: 820559

Ion Ratio Lower Upper

202 100

101 7.5 6.2 9.4

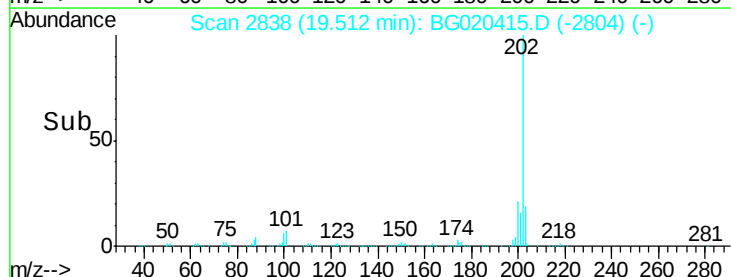
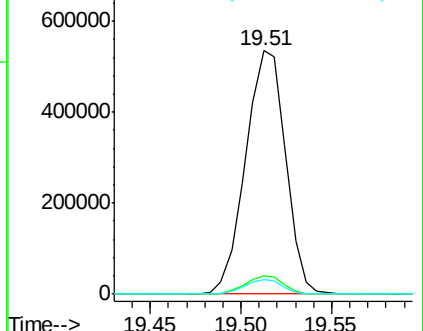
100 6.1 5.1 7.7

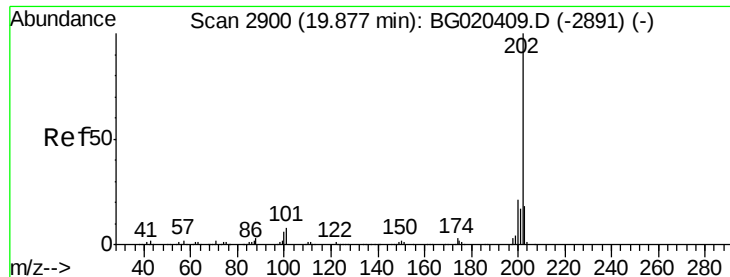


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

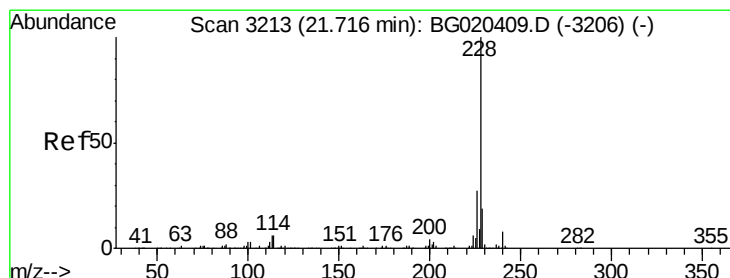
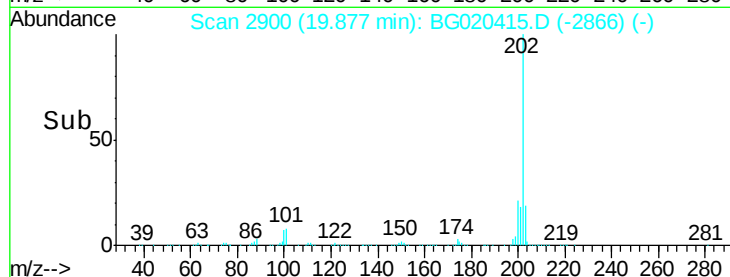
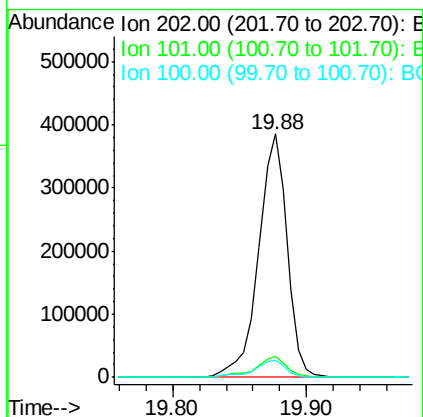
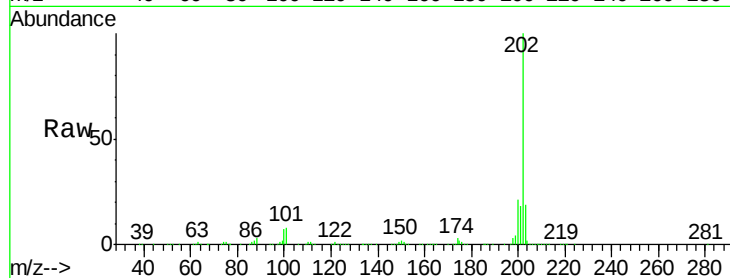




#80
 Pyrene
 Concen: 52.91 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG020415.D
 Acq: 22 Dec 2015 18:54

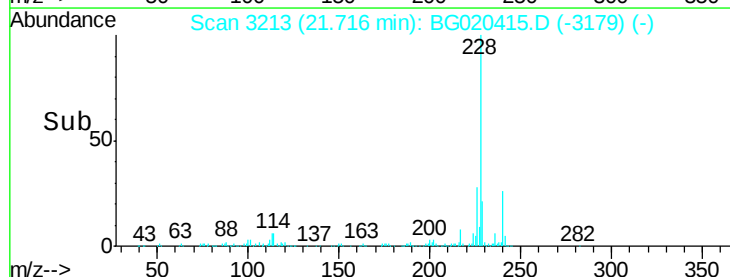
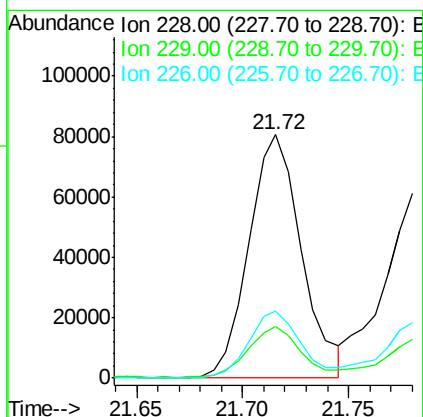
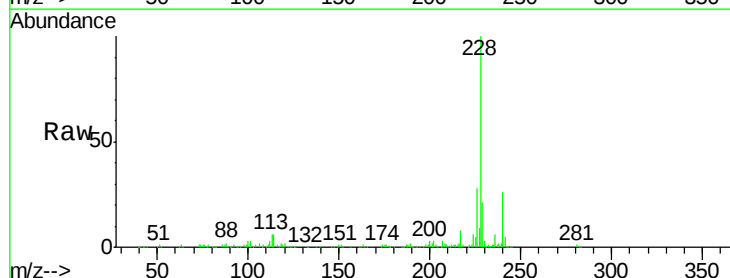
Instrument :
 BNA_G
 ClientSampleId :
 D9N72ME

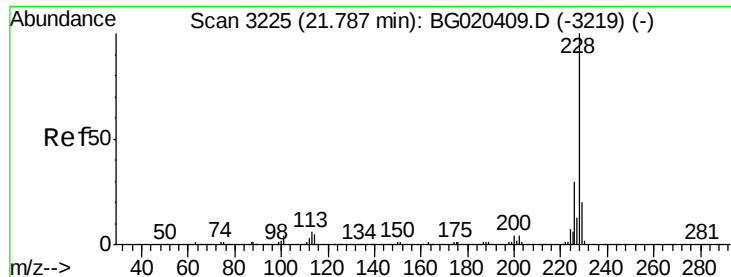
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	7.0	10.4
100	7.1	6.4	9.6



#83
 Benzo(a)anthracene
 Concen: 13.36 ng/ul
 RT: 21.72 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: BG020415.D
 Acq: 22 Dec 2015 18:54

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.8	23.8
226	27.6	21.8	32.6

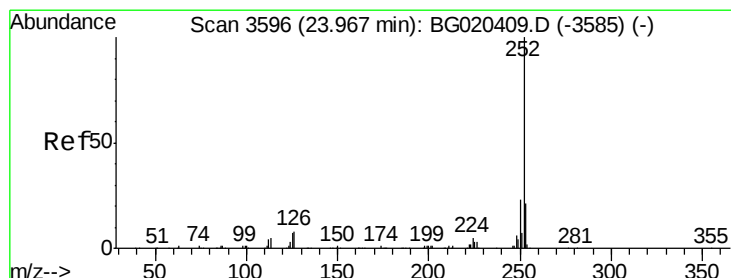
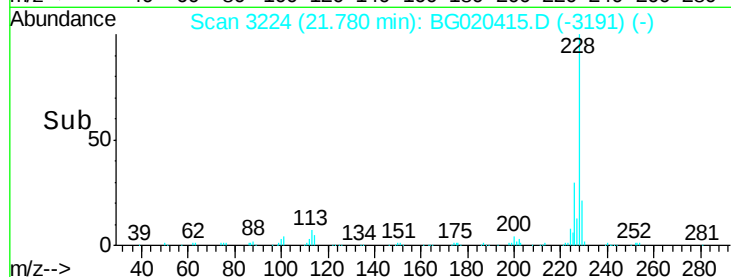
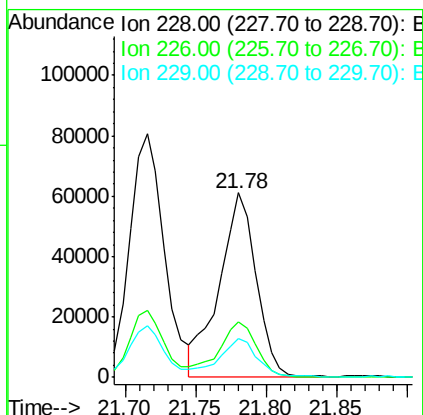
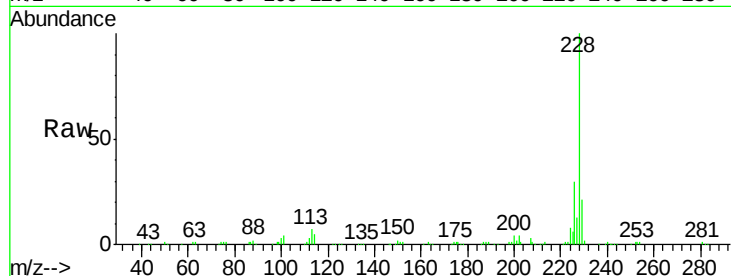




#85
 Chrysene
 Concen: 11.28 ng/ul
 RT: 21.78 min Scan# 3224
 Delta R.T. -0.01 min
 Lab File: BG020415.D
 Acq: 22 Dec 2015 18:54

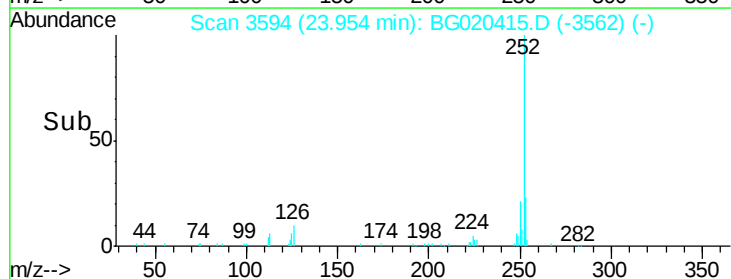
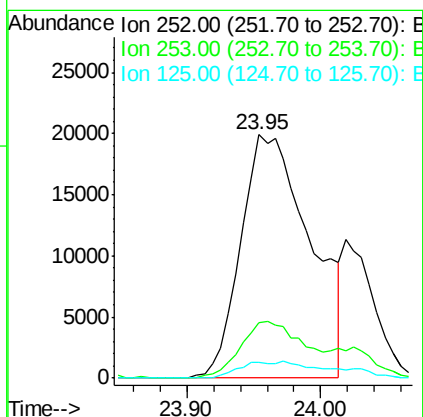
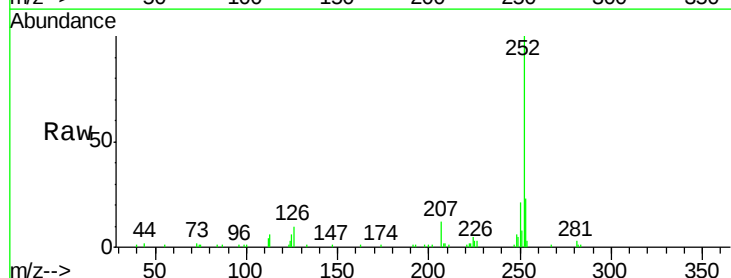
Instrument :
 BNA_G
 ClientSampleId :
 D9N72ME

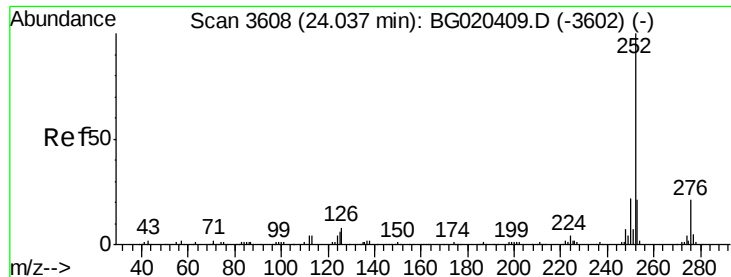
Tgt Ion: 228 Resp: 110405
 Ion Ratio Lower Upper
 228 100
 226 30.3 23.9 35.9
 229 20.9 15.6 23.4



#88
 Benzo(b)fluoranthene
 Concen: 6.96 ng/ul
 RT: 23.95 min Scan# 3594
 Delta R.T. -0.01 min
 Lab File: BG020415.D
 Acq: 22 Dec 2015 18:54

Tgt Ion: 252 Resp: 71897
 Ion Ratio Lower Upper
 252 100
 253 22.8 16.7 25.1
 125 6.3 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 7.25 ng/ul

RT: 23.95 min Scan# 3594

Delta R.T. -0.08 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

Instrument :

BNA_G

ClientSampleId :

D9N72ME

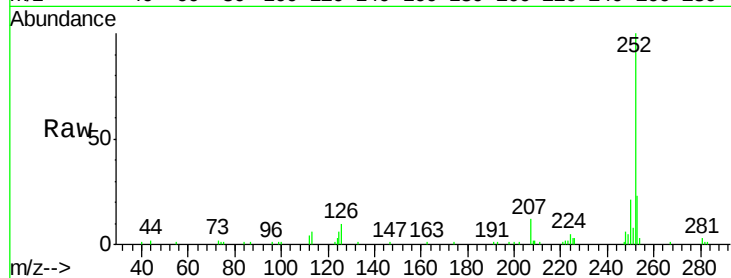
Tgt Ion:252 Resp: 71897

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

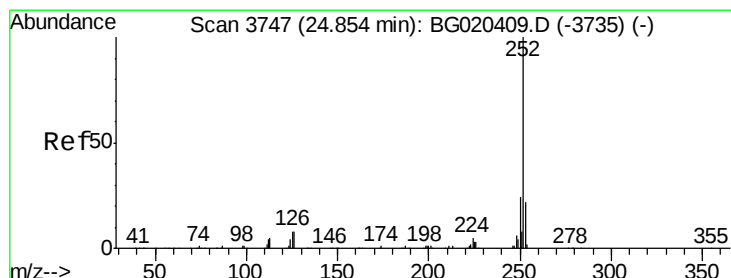
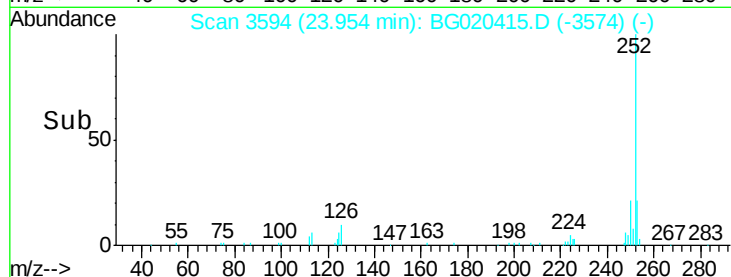
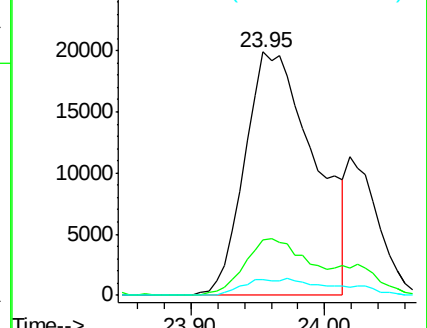
125 6.3 5.8 8.6



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: 4.03 ng/ul

RT: 24.85 min Scan# 3746

Delta R.T. -0.01 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

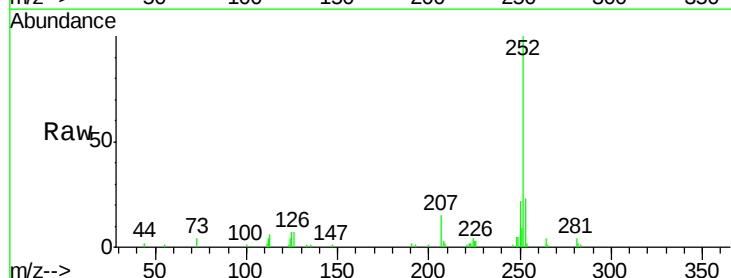
Tgt Ion:252 Resp: 39476

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

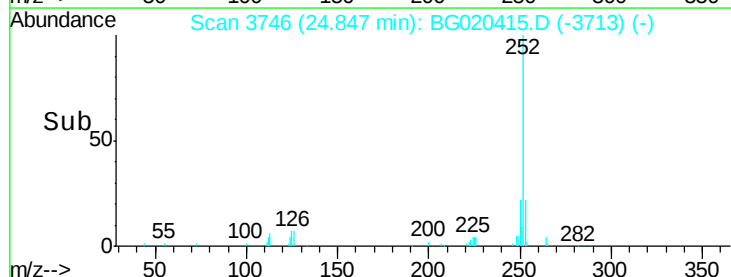
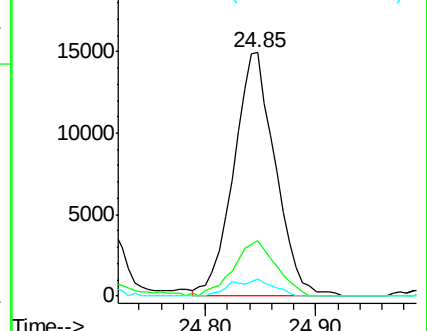
125 7.0 6.2 9.4

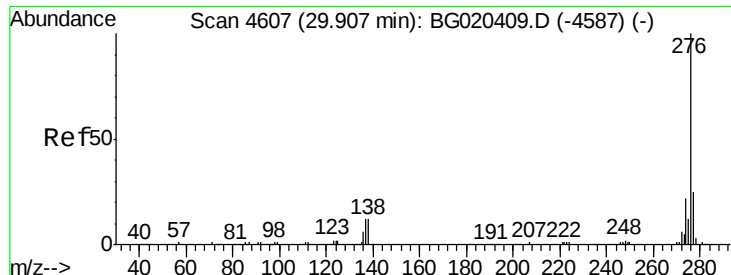


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#94

Benzo(g,h,i)perylene

Concen: 1.01 ng/ul

RT: 29.88 min Scan# 4602

Delta R.T. -0.03 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

Instrument :

BNA_G

ClientSampleId :

D9N72ME

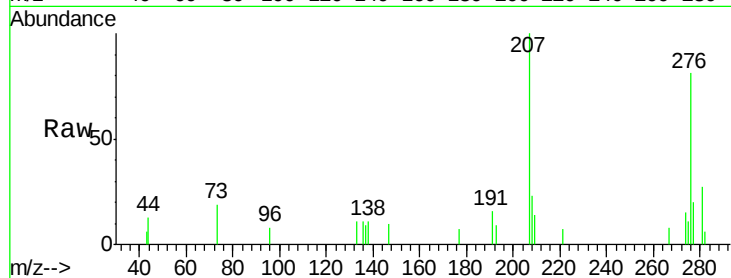
Tgt Ion: 276 Resp: 9649

Ion Ratio Lower Upper

276 100

138 13.9 10.8 16.2

277 24.9 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

