

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072815\
 Data File : BM002106.D
 Acq On : 28 Jul 2015 22:36
 Operator : TP/UM
 Sample : G3048-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01X5

Quant Time: Jul 29 00:47:39 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 00:46:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	51733	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	199831	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	114145	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	252853	20.00	ng/ul	0.00
78) Chrysene-d12	21.21	240	299084	20.00	ng/ul	0.00
86) Perylene-d12	23.41	264	301646	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	1803	1.80	ng/uL	0.00
5) Phenol-d5	6.77	99	37707	10.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	23665	11.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	34202	10.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	23532	8.00	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	15744	11.08	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	18075	11.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	31092	10.23	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	17523	5.25	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	94075	11.25	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	97423	9.32	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	7153	5.13	ng/ul	0.00
58) Fluorene-d10	15.26	176	68440	9.30	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	5616	3.63	ng/ul	0.00
71) Anthracene-d10	17.10	188	95778	8.49	ng/ul	0.00
79) Pyrene-d10	19.41	212	102934	8.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.27	264	101688	6.95	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	6.80	94	14830	3.92 ng/ul	97
14) Acetophenone	8.42	105	5136	1.10 ng/ul	96
28) Naphthalene	10.43	128	11659	1.23 ng/ul#	95
32) Caprolactam	11.40	113	3841	4.66 ng/ul#	55
34) 2-Methylnaphthalene	12.06	142	7391	1.07 ng/ul	99
45) Dimethylphthalate	13.72	163	48079	5.76 ng/ul	99
50) Acenaphthene	14.32	153	12058	1.71 ng/ul	99
54) Dibenzofuran	14.66	168	11643	1.15 ng/ul	91
59) Fluorene	15.31	166	18140	2.16 ng/ul#	93
65) N-Nitrosodiphenylamine	15.52	169	7624	1.05 ng/ul#	57
70) Phenanthrene	17.05	178	213637	16.31 ng/ul	99
72) Anthracene	17.14	178	49914	3.73 ng/ul	97
75) Carbazole	17.42	167	15442	1.35 ng/ul#	83
77) Fluoranthene	19.07	202	283452	18.74 ng/ul	98
80) Pyrene	19.44	202	250092	15.37 ng/ul	99
83) Benzo(a)anthracene	21.19	228	125484	7.57 ng/ul	97
85) Chrysene	21.24	228	111178	7.17 ng/ul	95
88) Benzo(b)fluoranthene	22.75	252	143854	8.49 ng/ul#	88
89) Benzo(k)fluoranthene	22.75	252	60062	3.67 ng/ul#	90
91) Benzo(a)pyrene	23.31	252	104827	6.41 ng/ul#	93
92) Indeno(1,2,3-cd)pyrene	25.61	276	69997	3.71 ng/ul	96
94) Benzo(g,h,i)perylene	26.30	276	64514	4.08 ng/ul	99

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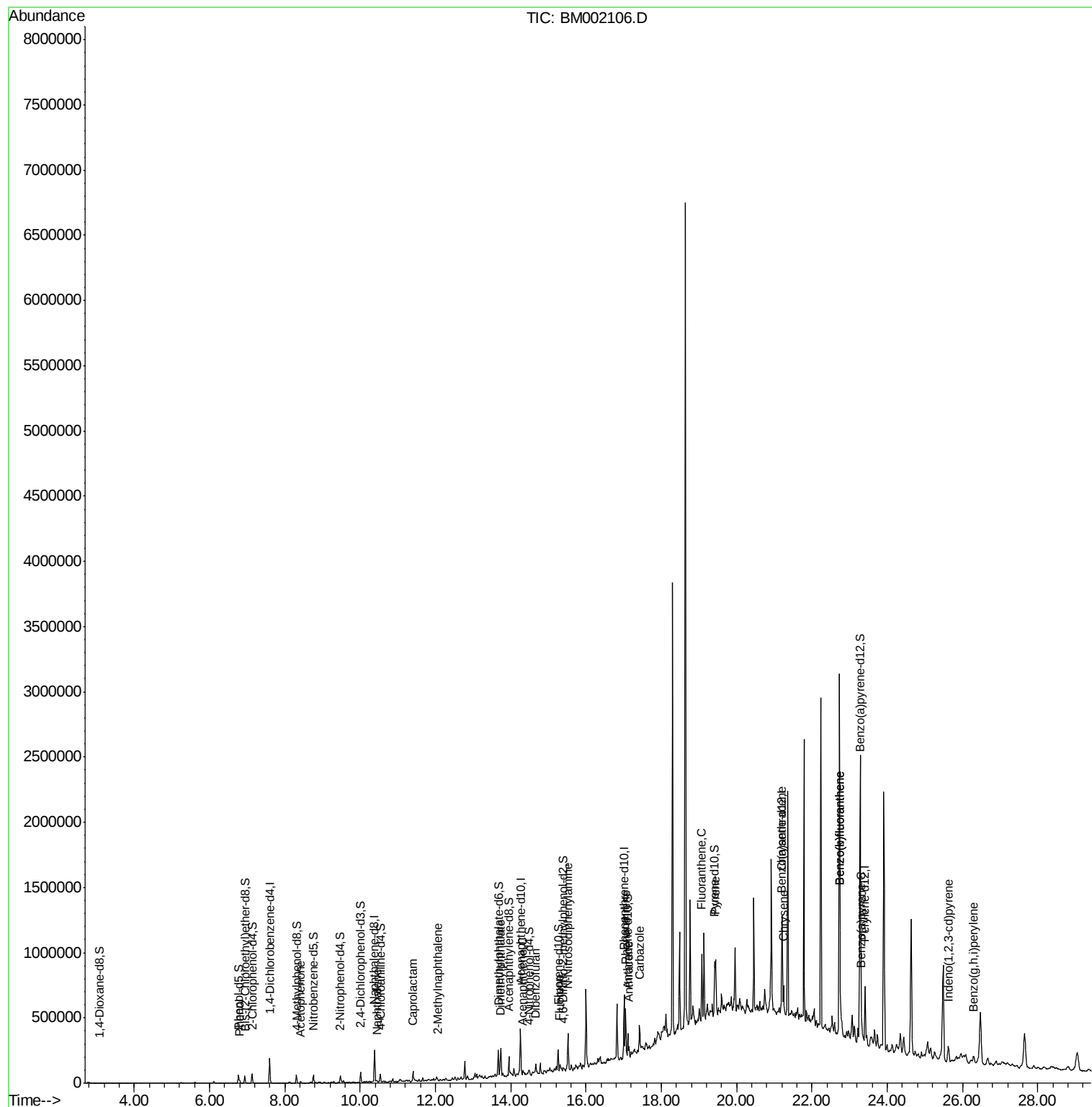
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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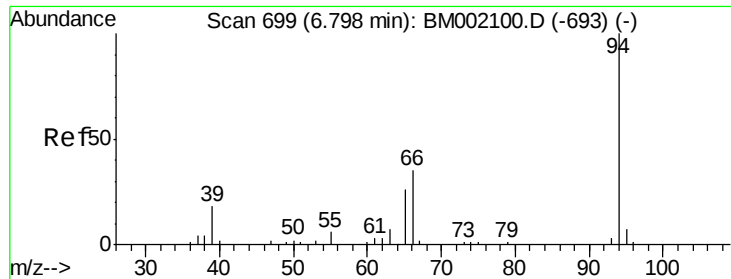
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.92 ng/ul

RT: 6.80 min Scan# 699

Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

Instrument :

BNA_M

ClientSampleId :

C01X5

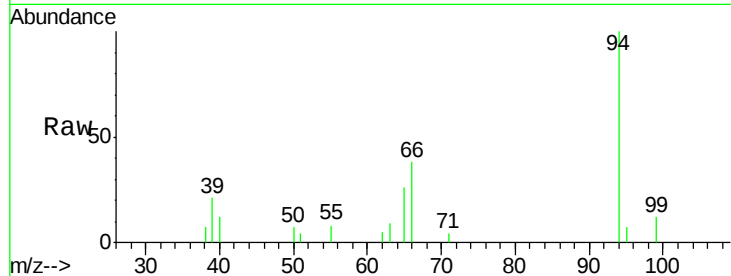
Tgt Ion: 94 Resp: 14830

Ion Ratio Lower Upper

94 100

65 26.0 21.8 32.8

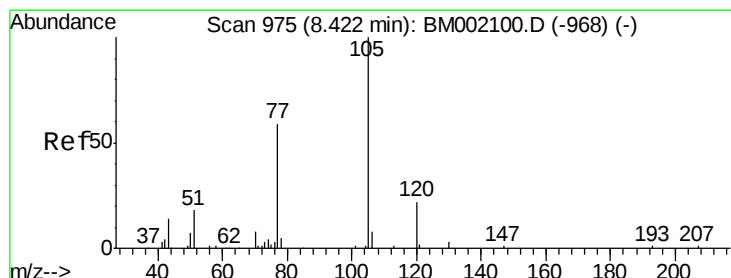
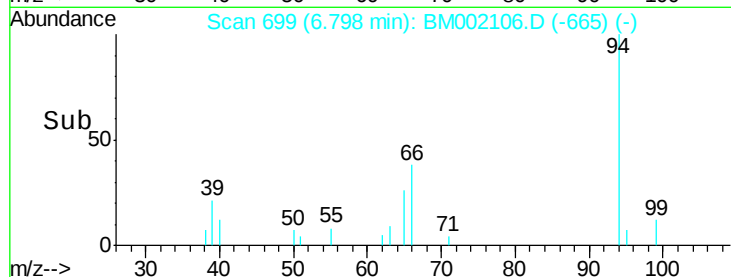
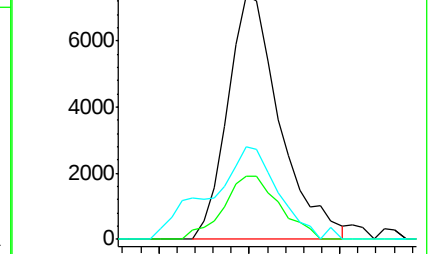
66 38.2 32.3 48.5



Abundance Ion 94.00 (93.70 to 94.70): BM002106.D (-665) (-)

Ion 65.00 (64.70 to 65.70): BM002106.D (-665) (-)

Ion 66.00 (65.70 to 66.70): BM002106.D (-665) (-)



#14

Acetophenone

Concen: 1.10 ng/ul

RT: 8.42 min Scan# 975

Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

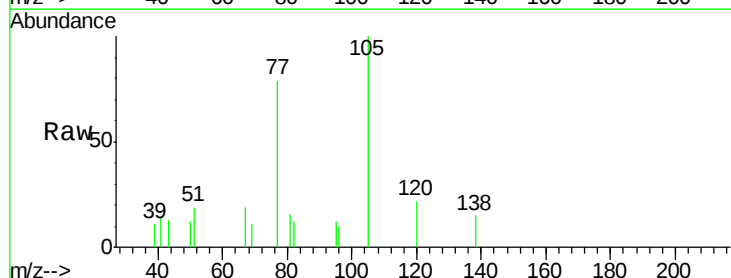
Tgt Ion: 105 Resp: 5136

Ion Ratio Lower Upper

105 100

77 79.1 61.8 92.8

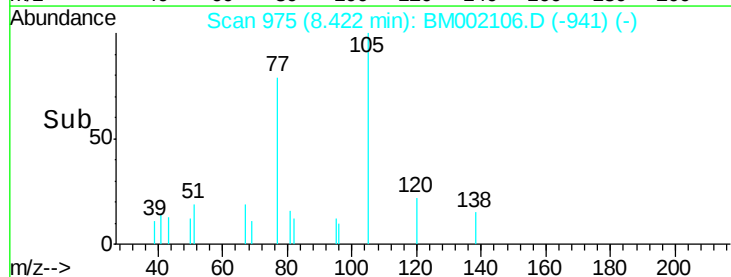
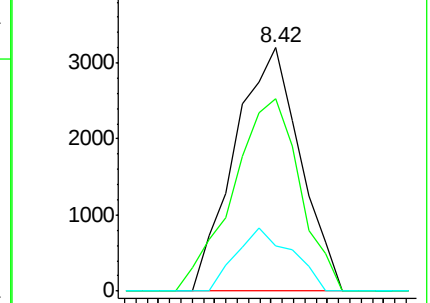
51 18.8 18.5 27.7

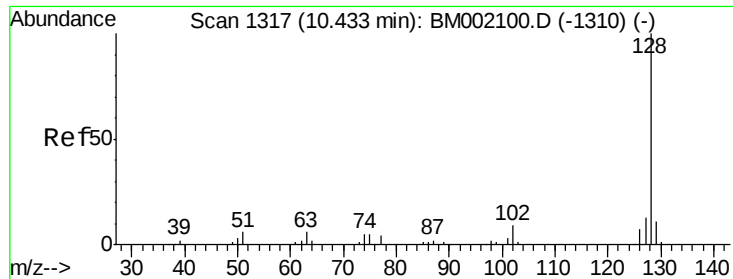


Abundance Ion 105.00 (104.70 to 105.70): BM002106.D (-941) (-)

Ion 77.00 (76.70 to 77.70): BM002106.D (-941) (-)

Ion 51.00 (50.70 to 51.70): BM002106.D (-941) (-)





#28

Naphthalene

Concen: 1.23 ng/ul

RT: 10.43 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

Instrument :

BNA_M

ClientSampleId :

C01X5

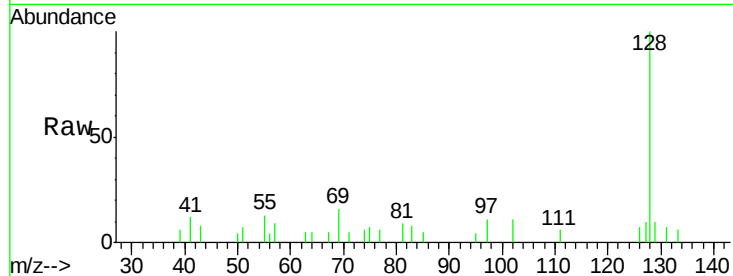
Tgt Ion:128 Resp: 11659

Ion Ratio Lower Upper

128 100

129 10.0 9.0 13.4

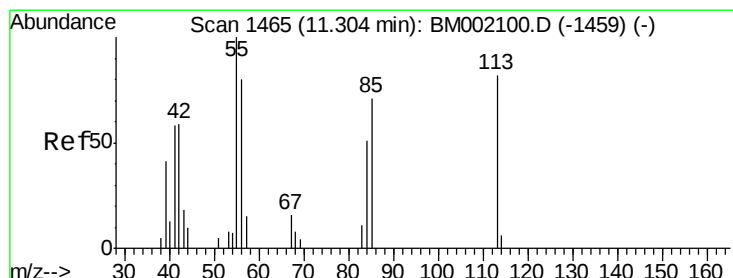
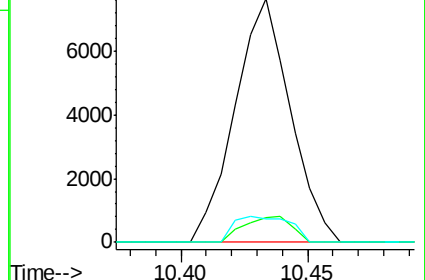
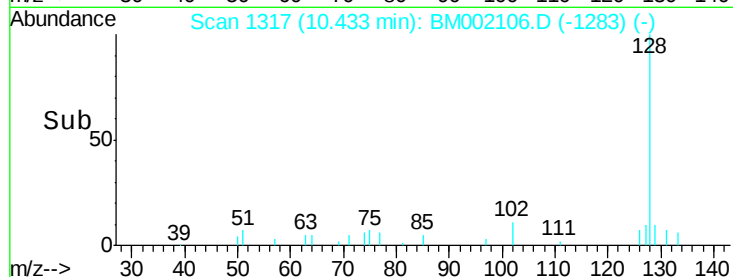
127 9.9 10.2 15.4#



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



#32

Caprolactam

Concen: 4.66 ng/ul

RT: 11.40 min Scan# 1482

Delta R.T. 0.10 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

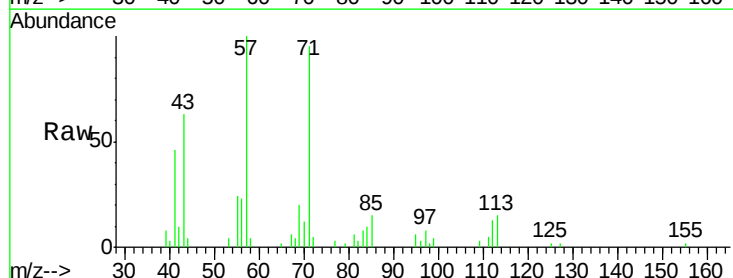
Tgt Ion:113 Resp: 3841

Ion Ratio Lower Upper

113 100

55 165.2 101.0 151.6#

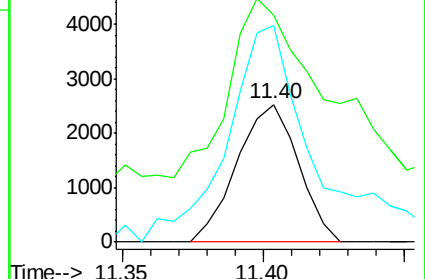
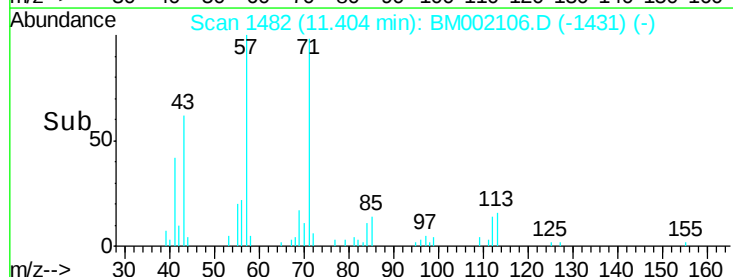
56 157.5 79.0 118.6#

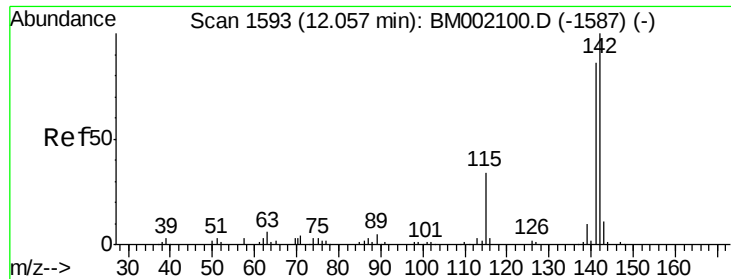


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM





#34

2-Methylnaphthalene

Concen: 1.07 ng/ul

RT: 12.06 min Scan# 1593

Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

Instrument :

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ClientSampleId :

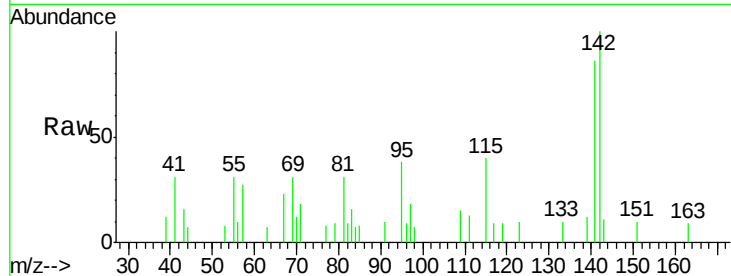
C01X5

Tgt Ion:142 Resp: 7391

Ion Ratio Lower Upper

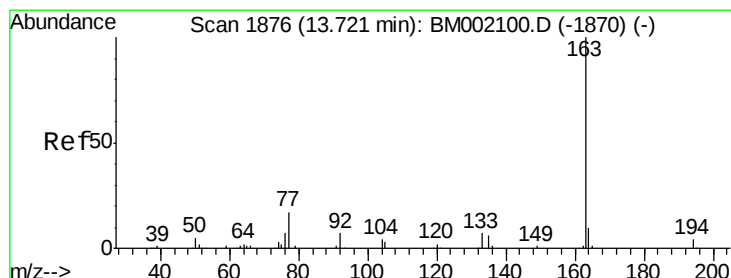
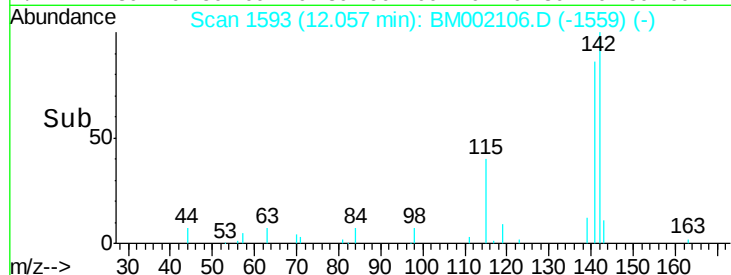
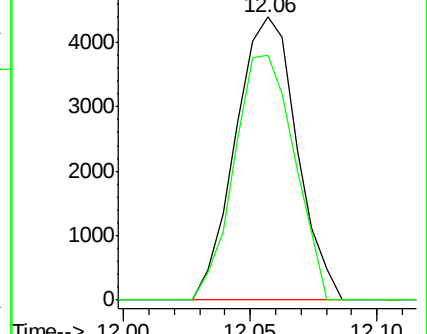
142 100

141 86.5 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#45

Dimethylphthalate

Concen: 5.76 ng/ul

RT: 13.72 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

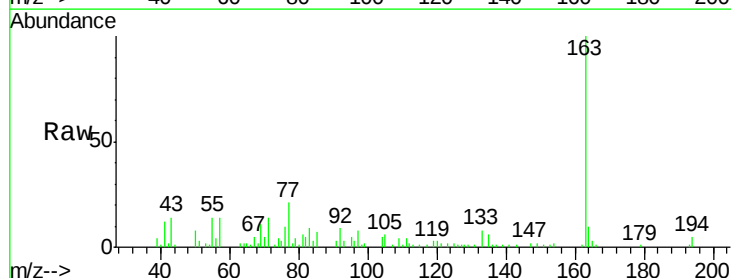
Tgt Ion:163 Resp: 48079

Ion Ratio Lower Upper

163 100

194 4.8 3.5 5.3

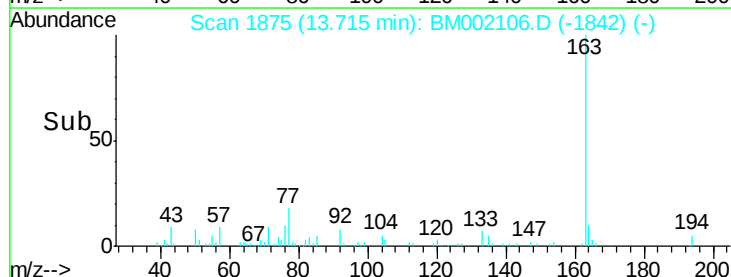
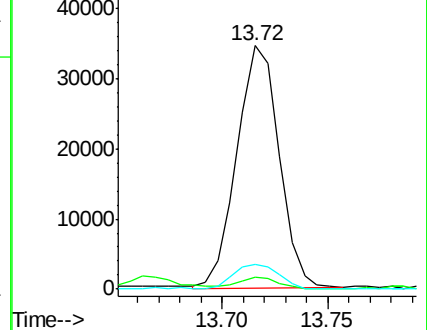
164 10.3 8.0 12.0

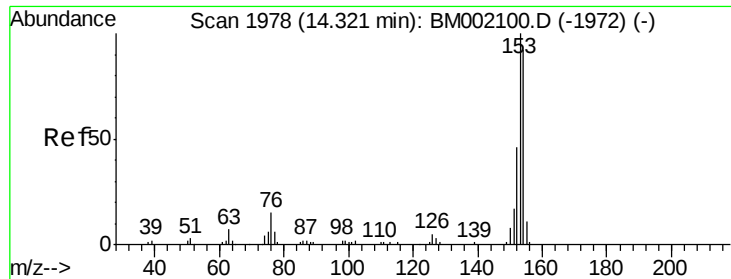


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 1.71 ng/ul

RT: 14.32 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

Instrument :

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ClientSampleId :

C01X5

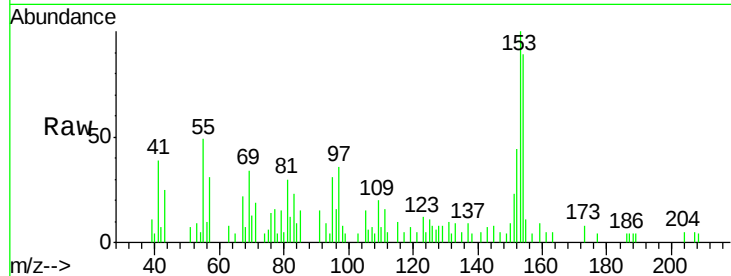
Tgt Ion:153 Resp: 12058

Ion Ratio Lower Upper

153 100

152 44.1 37.3 55.9

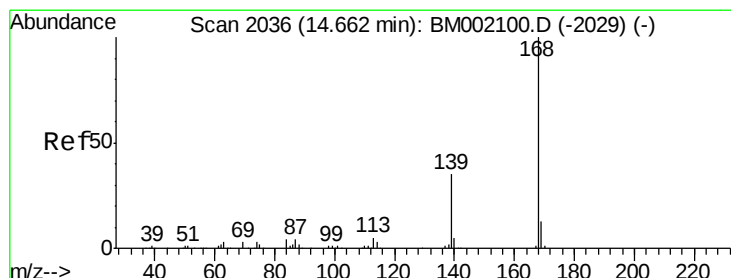
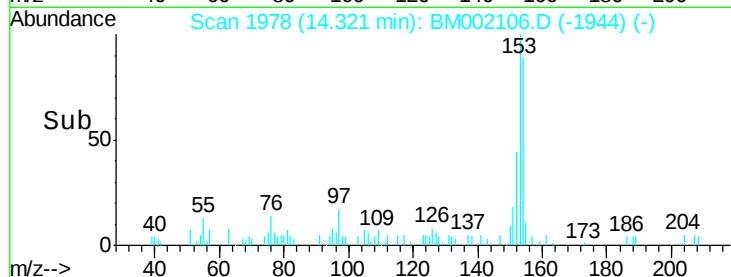
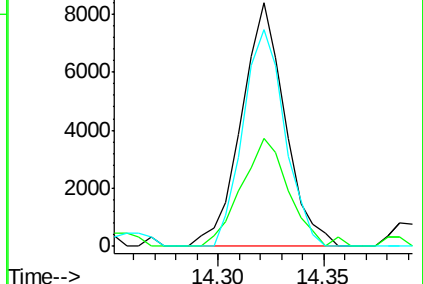
154 89.0 71.4 107.2



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: 1.15 ng/ul

RT: 14.66 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BM002106.D

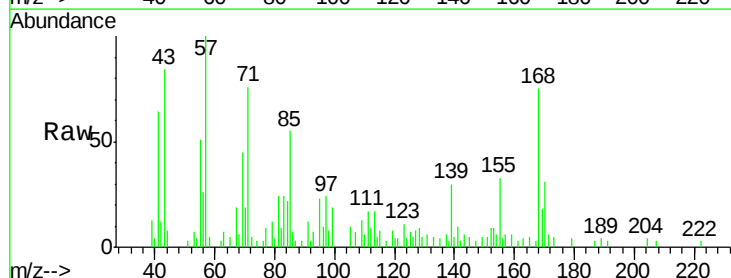
Acq: 28 Jul 2015 22:36

Tgt Ion:168 Resp: 11643

Ion Ratio Lower Upper

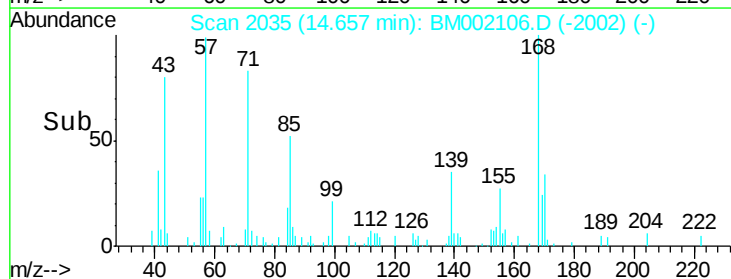
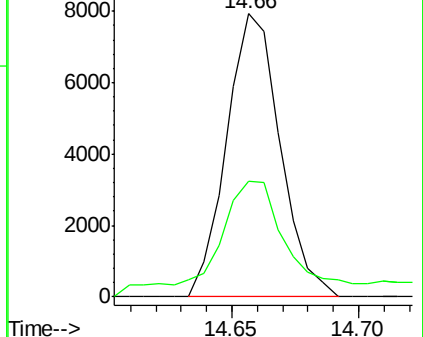
168 100

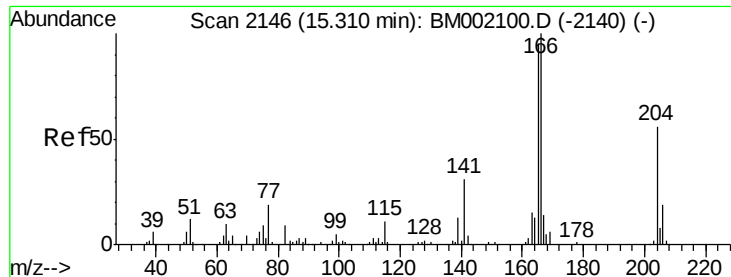
139 40.7 28.2 42.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.16 ng/ul

RT: 15.31 min Scan# 2146

Delta R.T. -0.00 min

Lab File: BM002106.D

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C01X5

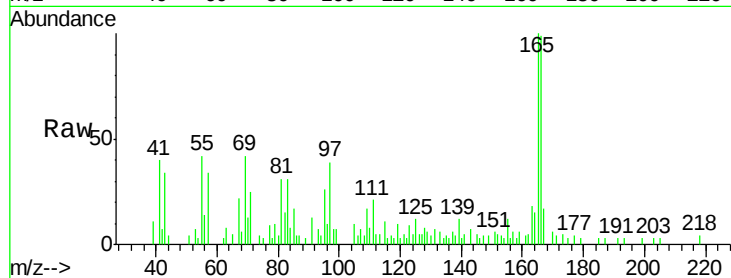
Tgt Ion:166 Resp: 18140

Ion Ratio Lower Upper

166 100

165 100.6 75.6 113.4

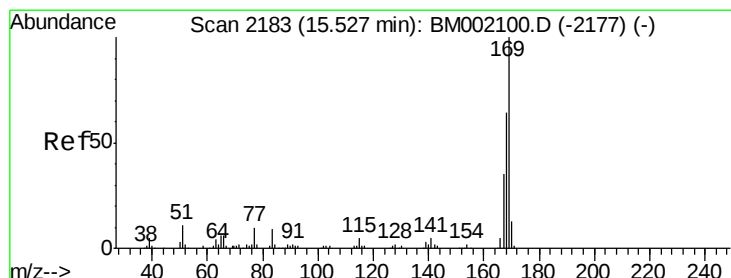
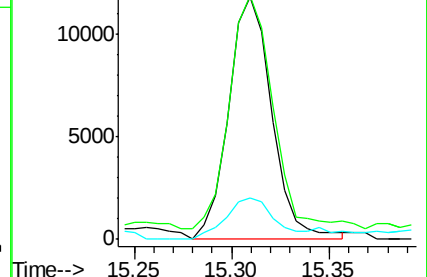
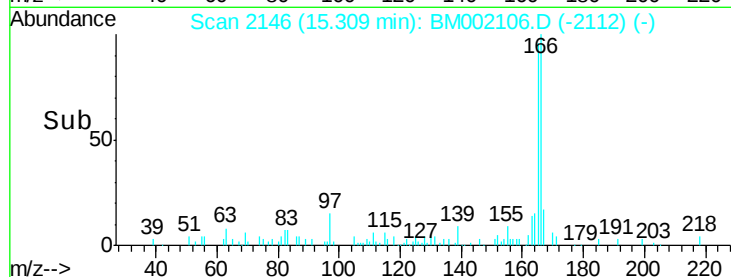
167 17.2 10.5 15.7#



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



#65

N-Nitrosodiphenylamine

Concen: 1.05 ng/ul

RT: 15.52 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

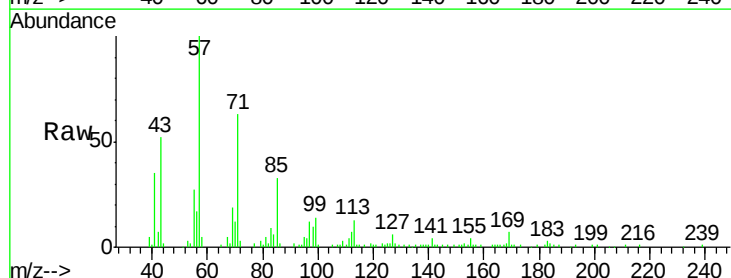
Tgt Ion:169 Resp: 7624

Ion Ratio Lower Upper

169 100

168 29.5 52.6 79.0#

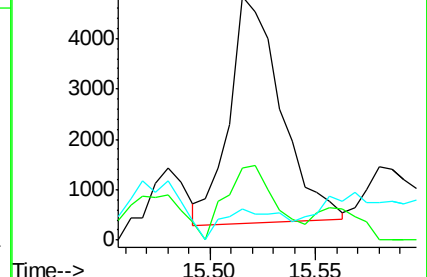
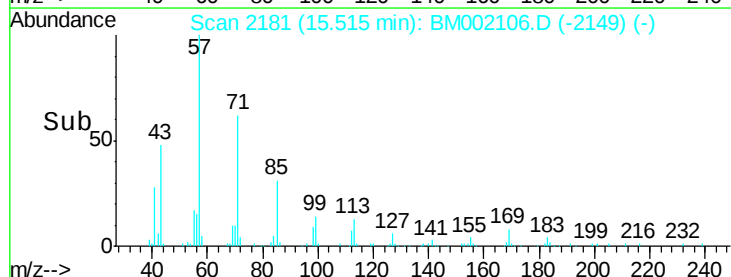
167 12.9 27.8 41.6#

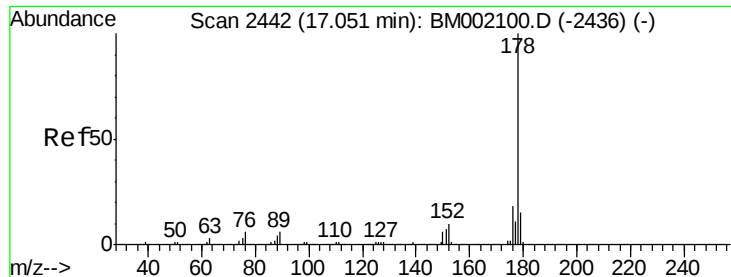


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 16.31 ng/ul

RT: 17.05 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BM002106.D

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C01X5

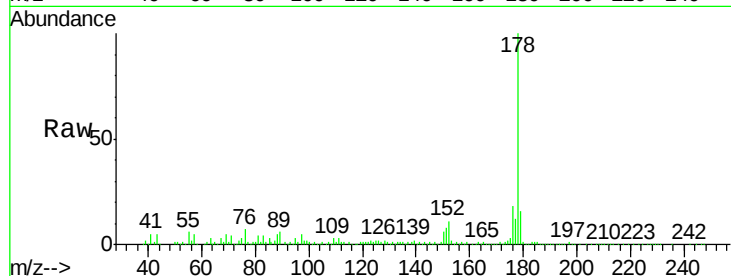
Tgt Ion:178 Resp: 213637

Ion Ratio Lower Upper

178 100

179 16.3 12.5 18.7

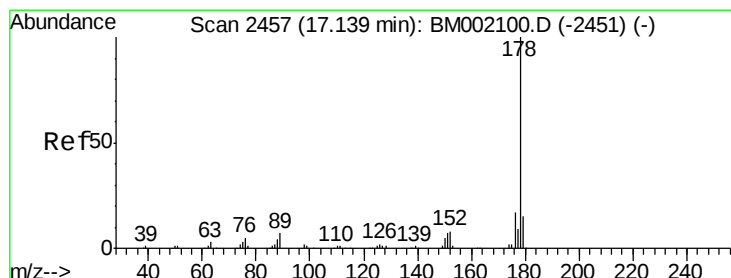
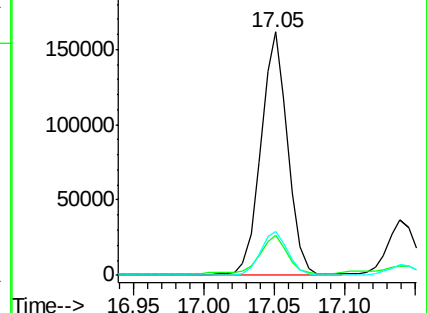
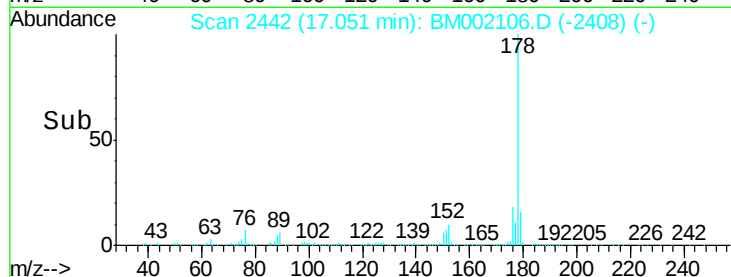
176 17.9 14.2 21.4



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: 3.73 ng/ul

RT: 17.14 min Scan# 2457

Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

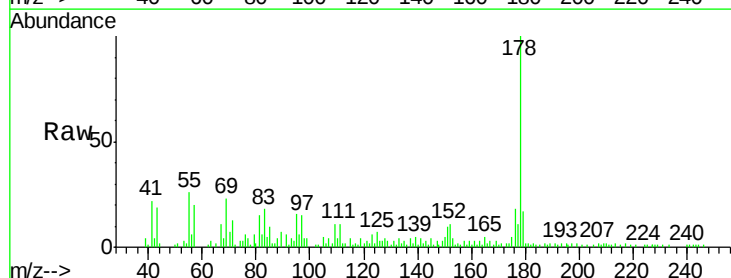
Tgt Ion:178 Resp: 49914

Ion Ratio Lower Upper

178 100

179 17.4 12.1 18.1

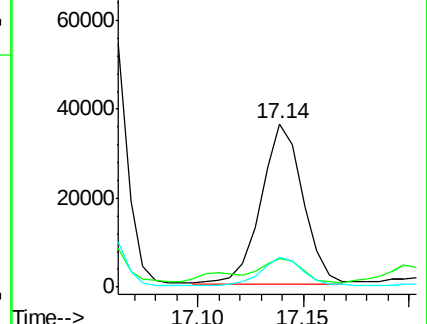
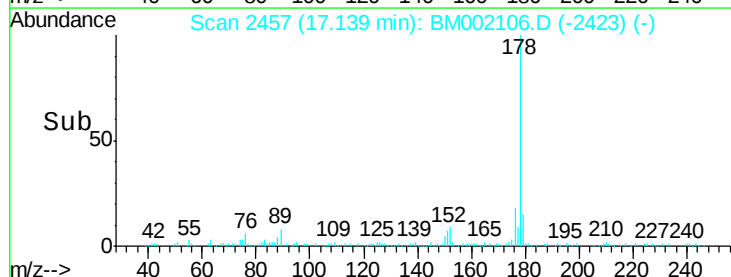
176 18.2 14.1 21.1

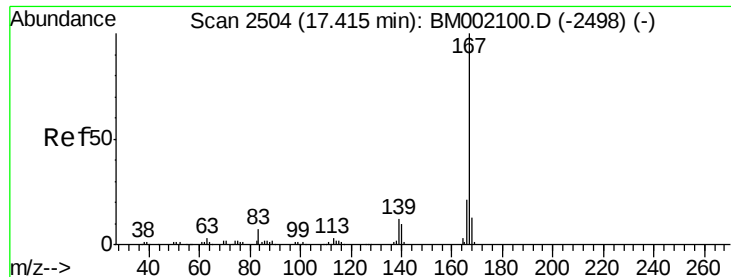


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.35 ng/ul

RT: 17.42 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

Instrument :

BNA_M

ClientSampleId :

C01X5

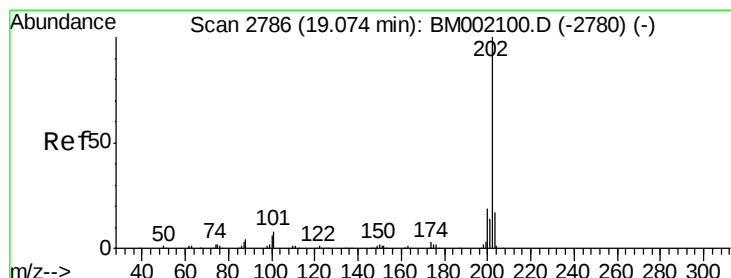
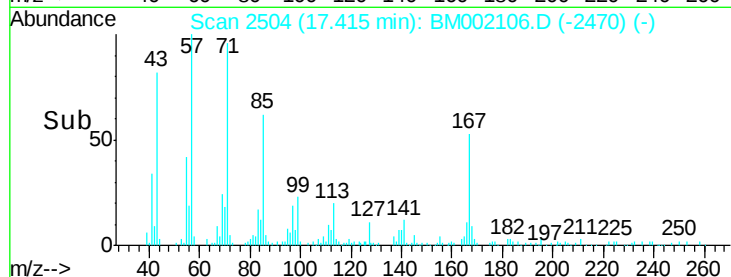
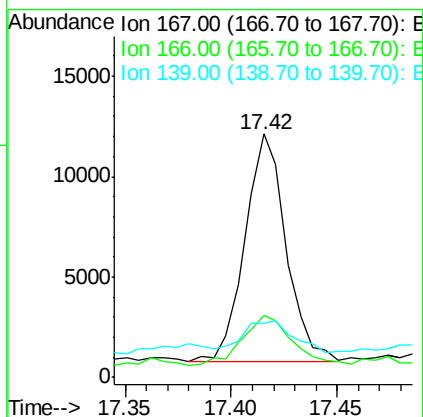
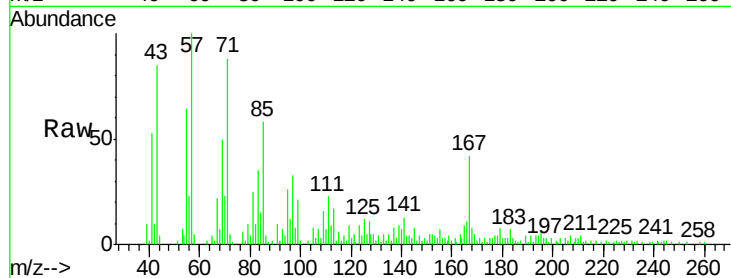
Tgt Ion:167 Resp: 15442

Ion Ratio Lower Upper

167 100

166 25.4 16.2 24.4#

139 22.2 9.6 14.4#



#77

Fluoranthene

Concen: 18.74 ng/ul

RT: 19.07 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

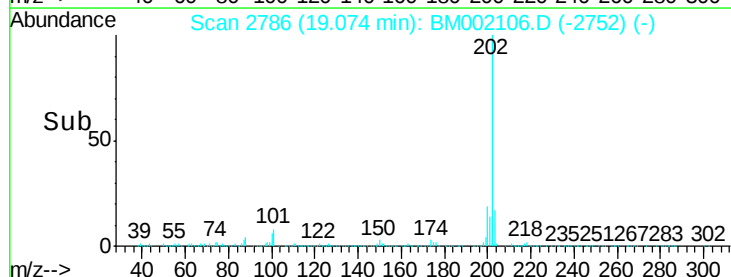
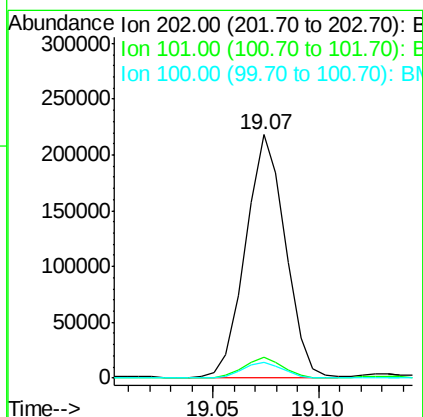
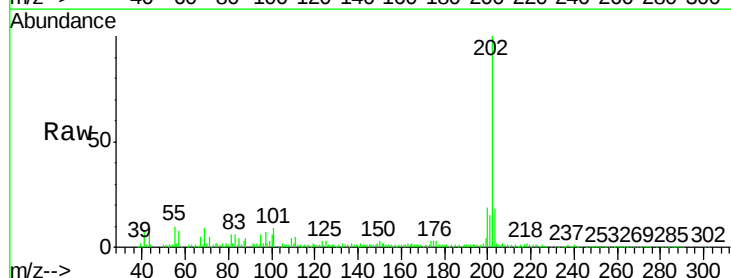
Tgt Ion:202 Resp: 283452

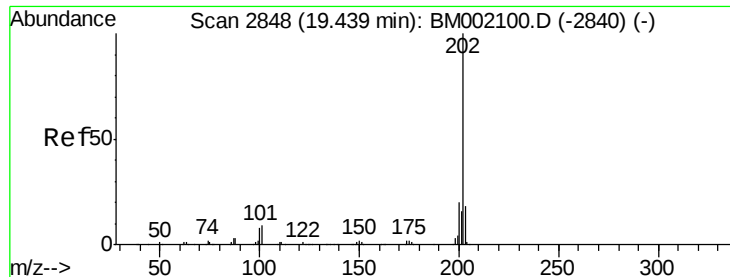
Ion Ratio Lower Upper

202 100

101 8.6 6.2 9.4

100 6.3 5.2 7.8

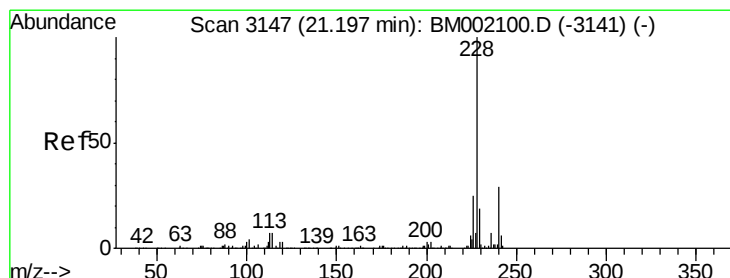
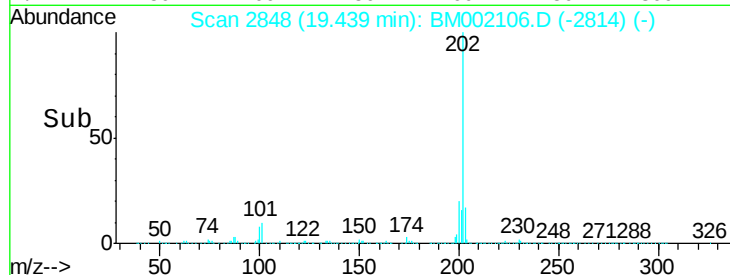
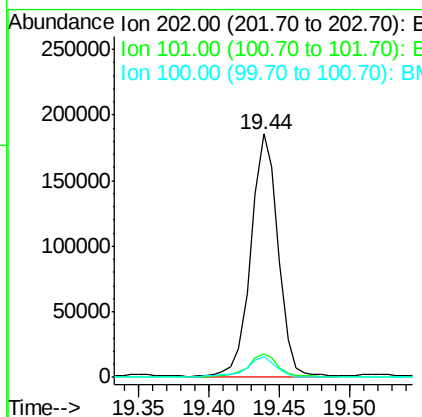
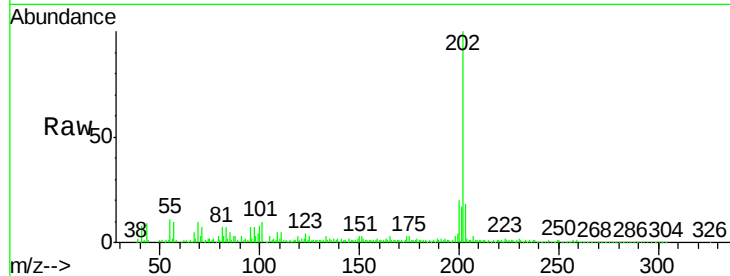




#80
 Pyrene
 Concen: 15.37 ng/ul
 RT: 19.44 min Scan# 2848
 Delta R.T. -0.00 min
 Lab File: BM002106.D
 Acq: 28 Jul 2015 22:36

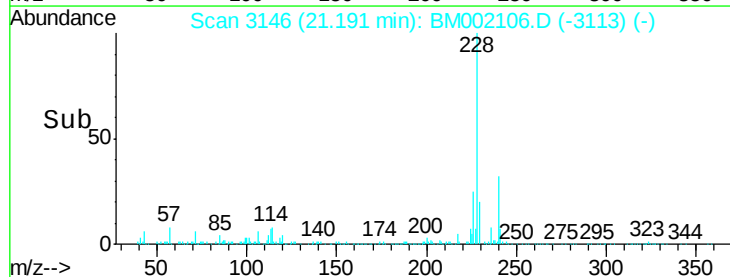
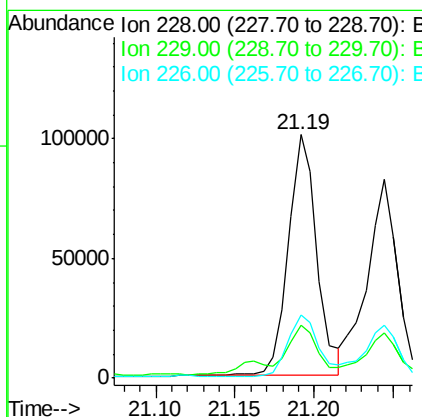
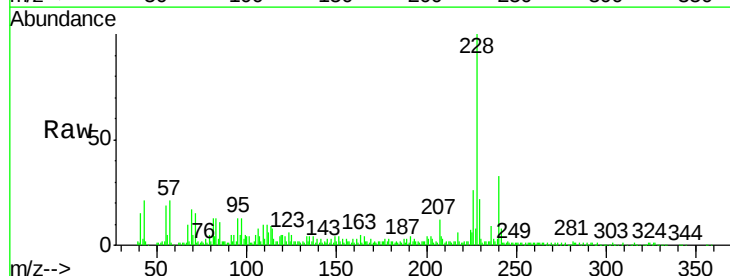
Instrument :
 BNA_M
 ClientSampleId :
 C01X5

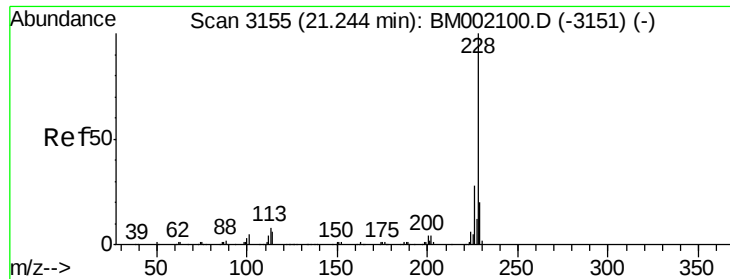
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.4	11.2
100	8.5	6.3	9.5



#83
 Benzo(a)anthracene
 Concen: 7.57 ng/ul
 RT: 21.19 min Scan# 3146
 Delta R.T. -0.01 min
 Lab File: BM002106.D
 Acq: 28 Jul 2015 22:36

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.7	15.4	23.2
226	26.2	20.5	30.7





#85

Chrysene

Concen: 7.17 ng/ul

RT: 21.24 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

Instrument :

BNA_M

ClientSampleId :

C01X5

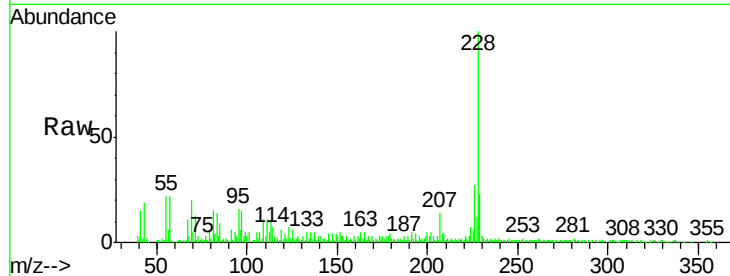
Tgt Ion:228 Resp: 111178

Ion Ratio Lower Upper

228 100

226 26.6 22.3 33.5

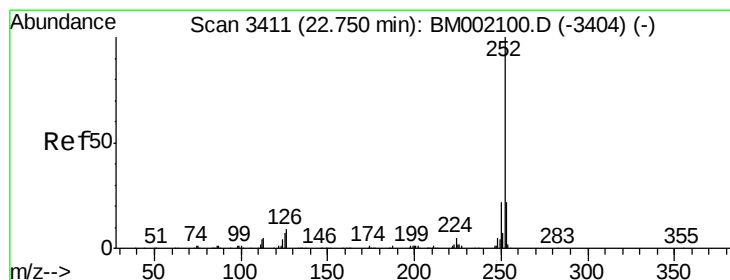
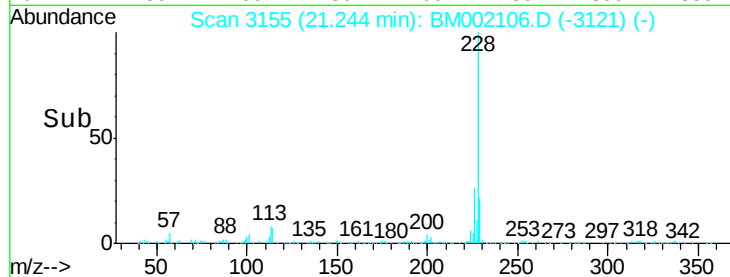
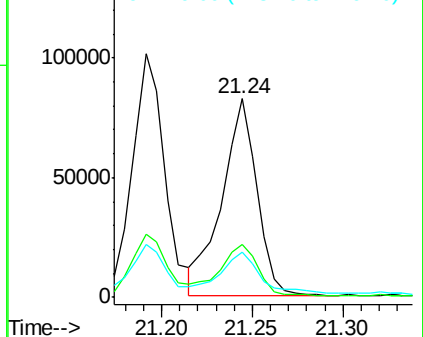
229 22.8 15.5 23.3



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: 8.49 ng/ul

RT: 22.75 min Scan# 3411

Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

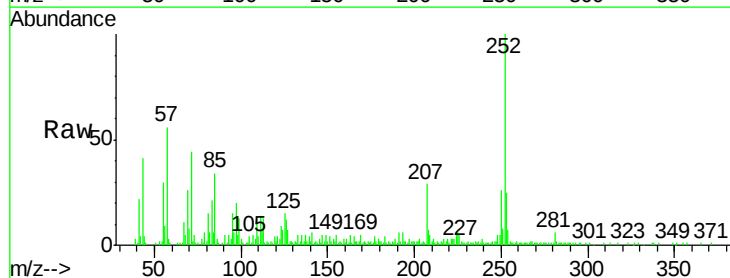
Tgt Ion:252 Resp: 143854

Ion Ratio Lower Upper

252 100

253 24.8 16.9 25.3

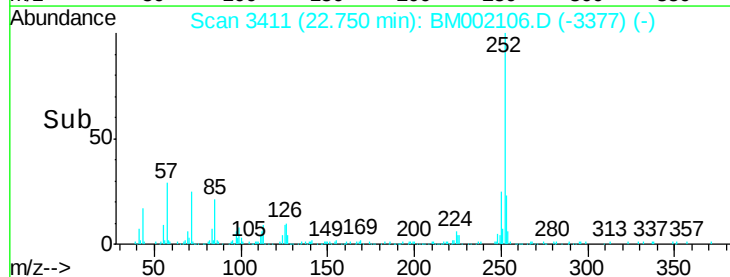
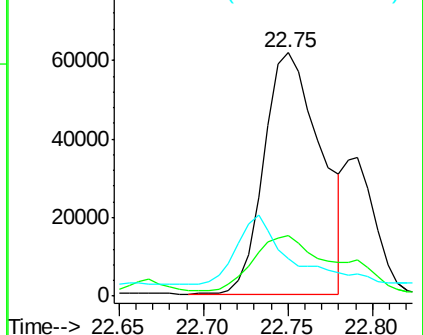
125 15.2 6.2 9.2#

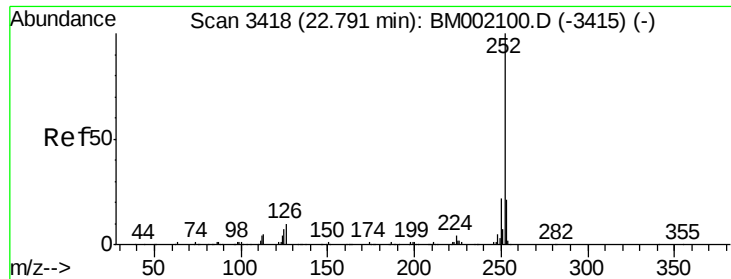


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

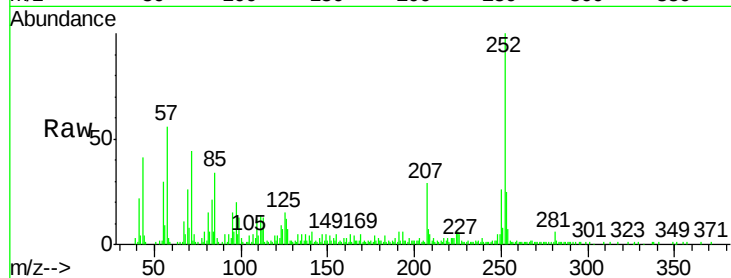




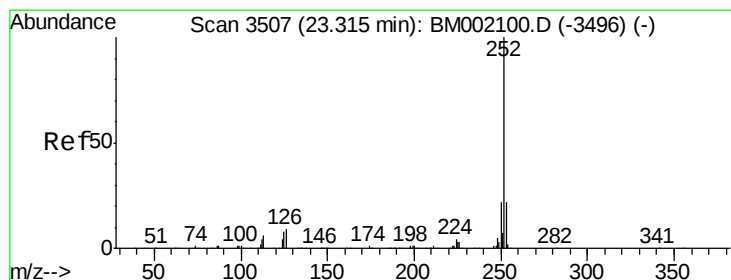
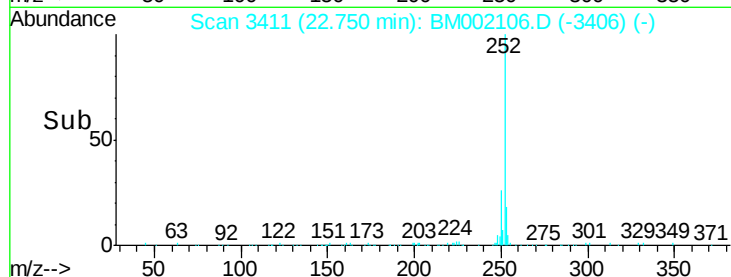
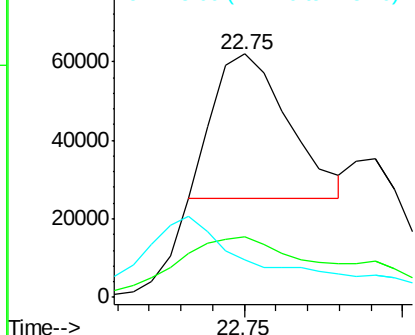
#89
Benzo(k)fluoranthene
Concen: 3.67 ng/ul
RT: 22.75 min Scan# 3411
Delta R.T. -0.04 min
Lab File: BM002106.D
Acq: 28 Jul 2015 22:36

Instrument :
BNA_M
ClientSampleId :
C01X5

Tgt Ion:252 Resp: 60062
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.0
125 15.2 6.2 9.4#

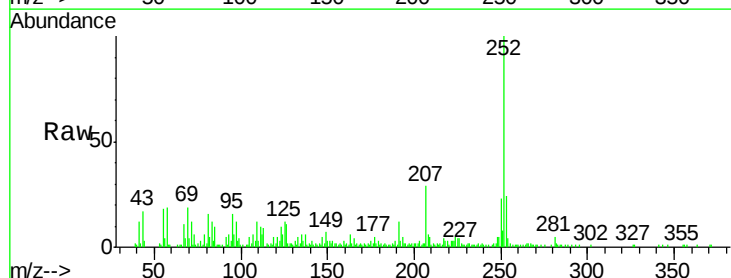


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

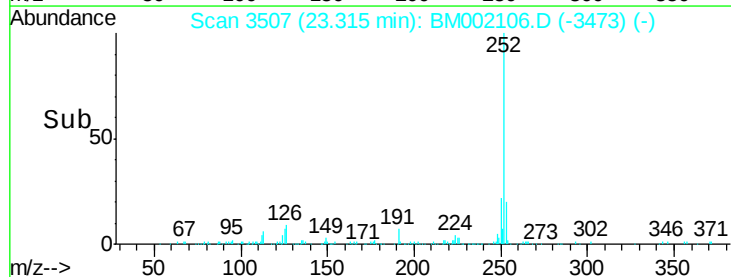
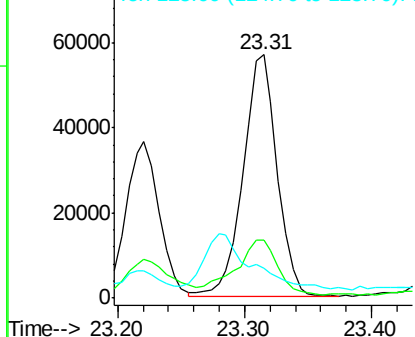


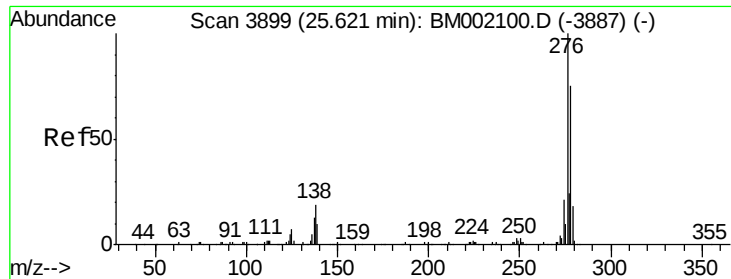
#91
Benzo(a)pyrene
Concen: 6.41 ng/ul
RT: 23.31 min Scan# 3507
Delta R.T. -0.00 min
Lab File: BM002106.D
Acq: 28 Jul 2015 22:36

Tgt Ion:252 Resp: 104827
Ion Ratio Lower Upper
252 100
253 23.8 17.2 25.8
125 12.3 6.6 10.0#



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: 3.71 ng/ul

RT: 25.61 min Scan# 3898

Delta R.T. -0.01 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

Instrument :

BNA_M

ClientSampleId :

C01X5

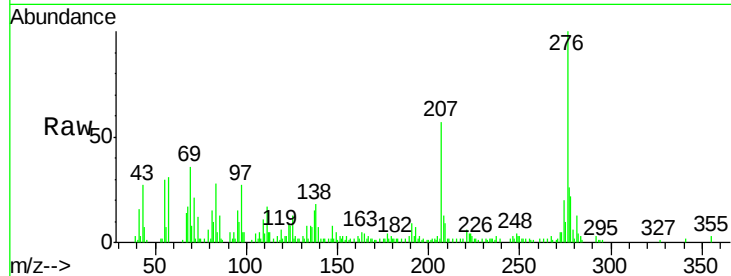
Tgt Ion:276 Resp: 69997

Ion Ratio Lower Upper

276 100

138 17.6 16.2 24.2

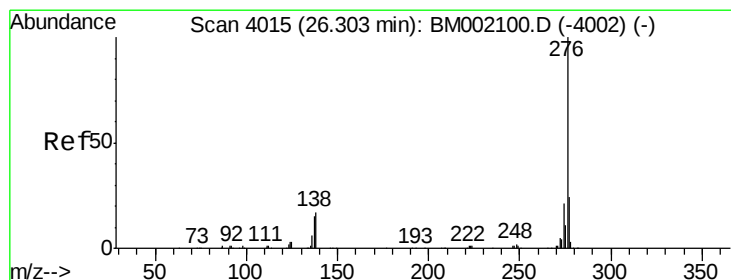
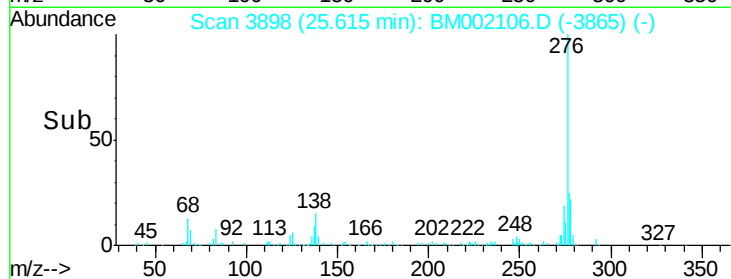
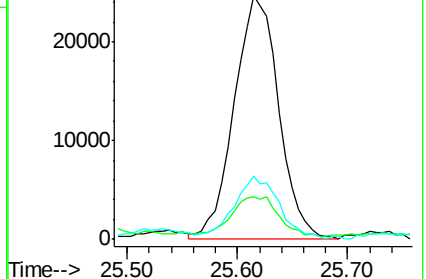
277 26.1 19.8 29.8



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(g,h,i)perylene

Concen: 4.08 ng/ul

RT: 26.30 min Scan# 4014

Delta R.T. -0.01 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

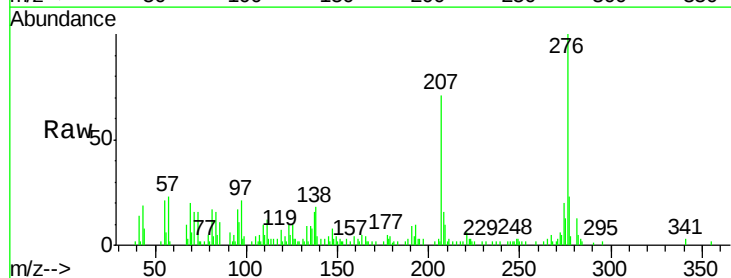
Tgt Ion:276 Resp: 64514

Ion Ratio Lower Upper

276 100

138 18.0 13.8 20.6

277 23.3 18.2 27.2



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

