

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
 Data File : BM002180.D
 Acq On : 02 Aug 2015 21:53
 Operator : TP
 Sample : G3073-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01L2

Quant Time: Aug 03 02:09:32 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 02:05:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	89312	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	391565	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.23	164	241365	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.98	188	554755	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	591322	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	500036	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	1737	1.01	ng/uL	0.00
5) Phenol-d5	6.75	99	56931	8.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.89	67	29971	8.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	48444	8.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	48509	9.56	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	24325	8.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	26594	8.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	53335	8.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	35105	5.36	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	161043	9.11	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	203030	9.18	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	14345	4.86	ng/ul	0.00
58) Fluorene-d10	15.23	176	150246	9.66	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.37	200	3351	0.99	ng/ul	0.00
71) Anthracene-d10	17.08	188	230928	9.33	ng/ul	0.00
79) Pyrene-d10	19.39	212	257166	10.33	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	225566	9.31	ng/ul	0.02

Target Compounds

						Qvalue
24) 2,4-Dimethylphenol	9.57	107	10124	1.53	ng/ul	98
32) Caprolactam	11.36	113	2285	1.41	ng/ul#	17
34) 2-Methylnaphthalene	12.02	142	21654	1.60	ng/ul	94
45) Dimethylphthalate	13.69	163	65557	3.71	ng/ul	98
48) Acenaphthylene	13.94	152	87841	3.85	ng/ul#	92
49) 3-Nitroaniline	14.12	138	3990	1.25	ng/ul#	15
50) Acenaphthene	14.29	153	29674	1.98	ng/ul	99
54) Dibenzofuran	14.63	168	27401	1.28	ng/ul	90
59) Fluorene	15.28	166	43098	2.43	ng/ul#	95
70) Phenanthrene	17.03	178	836805	29.12	ng/ul	99
72) Anthracene	17.12	178	183346	6.24	ng/ul	99
75) Carbazole	17.39	167	42785	1.71	ng/ul#	92
77) Fluoranthene	19.06	202	1445534	43.57	ng/ul	99
80) Pyrene	19.42	202	1602097	49.79	ng/ul	99
83) Benzo(a)anthracene	21.17	228	709687	21.65	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.10	149	259213	13.78	ng/ul	99
85) Chrysene	21.23	228	675192	22.02	ng/ul	97
88) Benzo(b)fluoranthene	22.74	252	744075	26.48	ng/ul#	93
89) Benzo(k)fluoranthene	22.74	252	188928	6.97	ng/ul#	94
91) Benzo(a)pyrene	23.30	252	509612	18.79	ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.59	276	304460	9.74	ng/ul	97
93) Dibenzo(a,h)anthracene	25.59	278	84763	3.17	ng/ul#	89
94) Benzo(g,h,i)perylene	26.27	276	290284	11.08	ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 02:05:53 2015
Response via : Initial Calibration

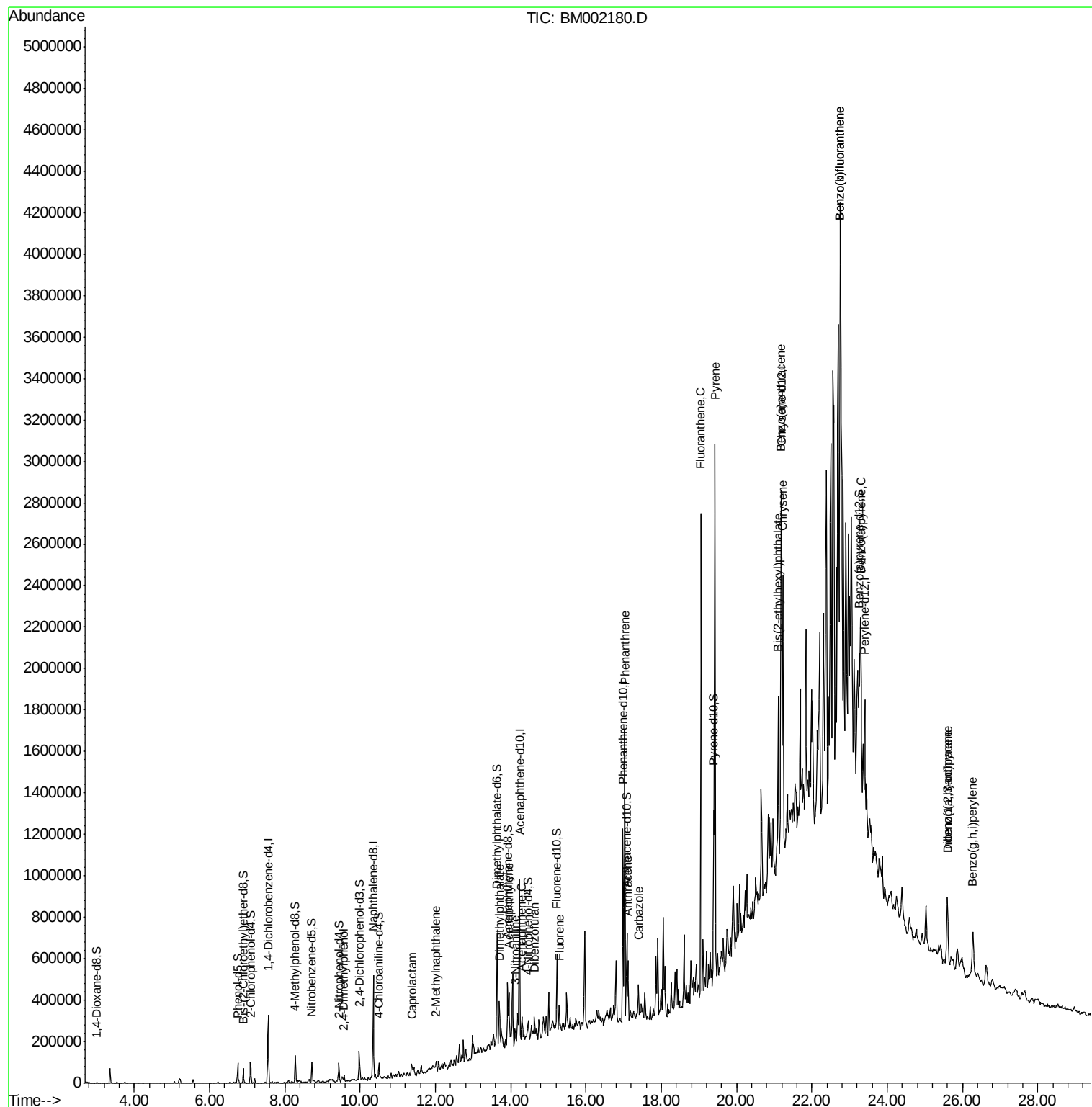
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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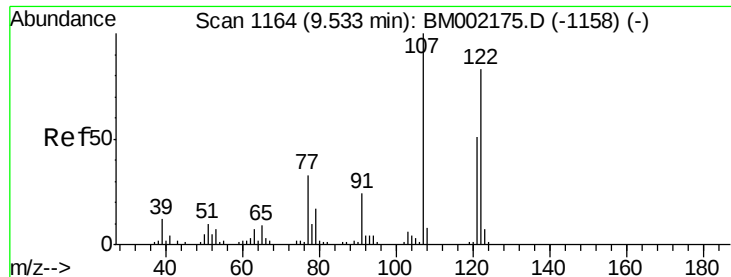
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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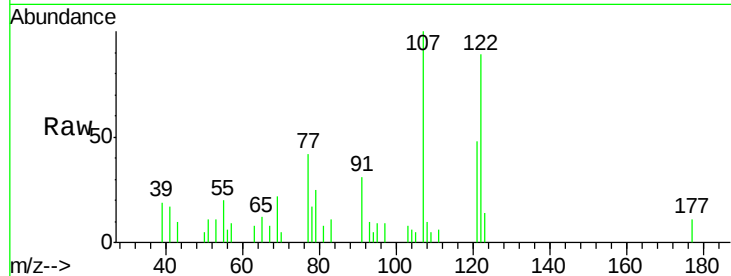




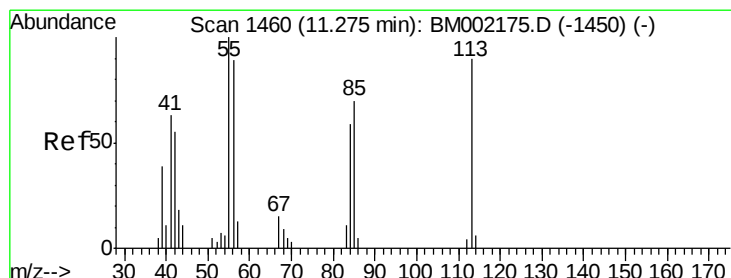
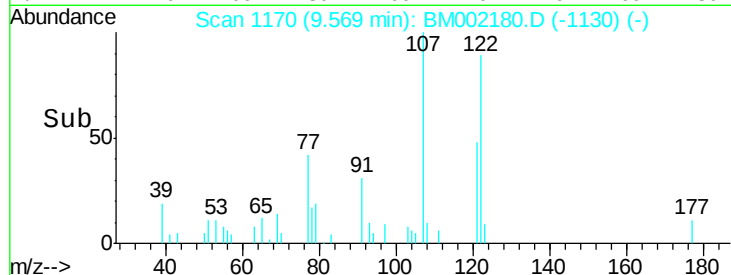
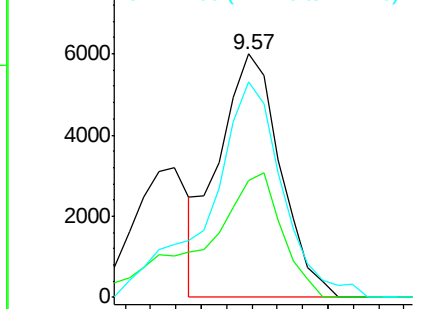
#24
2,4-Dimethylphenol
Concen: 1.53 ng/ul
RT: 9.57 min Scan# 1170
Delta R.T. 0.04 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Instrument :
BNA_M
ClientSampled :
C01L2

Tgt Ion:107 Resp: 10124
Ion Ratio Lower Upper
107 100
121 48.0 39.5 59.3
122 88.5 69.4 104.0

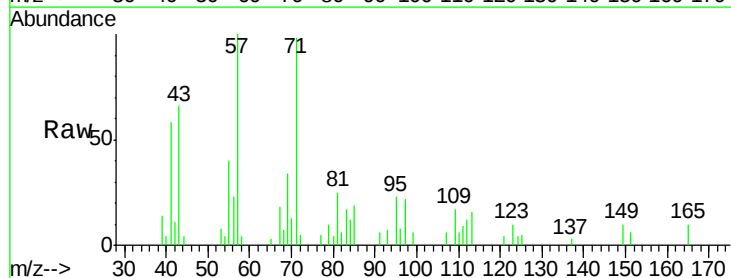


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E
Ion 122.00 (121.70 to 122.70): E

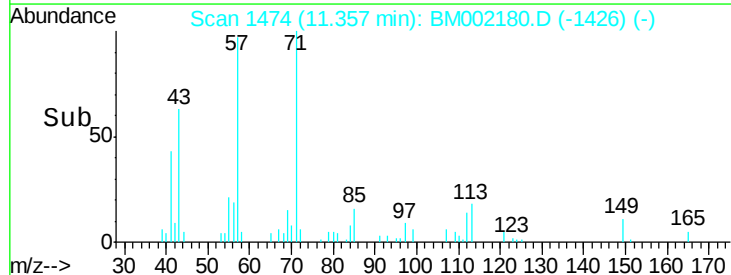
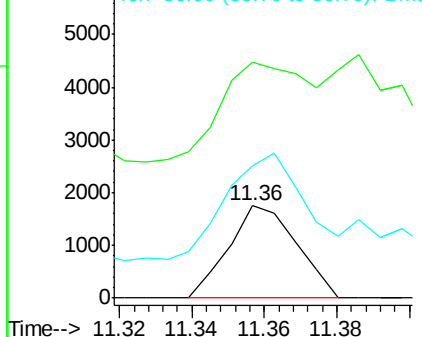


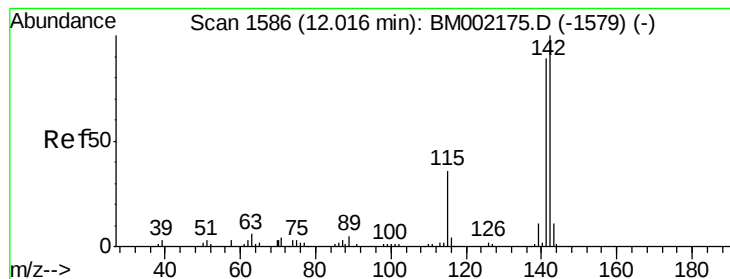
#32
Caprolactam
Concen: 1.41 ng/ul
RT: 11.36 min Scan# 1474
Delta R.T. 0.08 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Tgt Ion:113 Resp: 2285
Ion Ratio Lower Upper
113 100
55 255.9 101.0 151.6#
56 143.6 79.0 118.6#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BM0
Ion 56.00 (55.70 to 56.70): BM0





#34

2-Methylnaphthalene

Concen: 1.60 ng/ul

RT: 12.02 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

Instrument :

BNA_M

ClientSampleId :

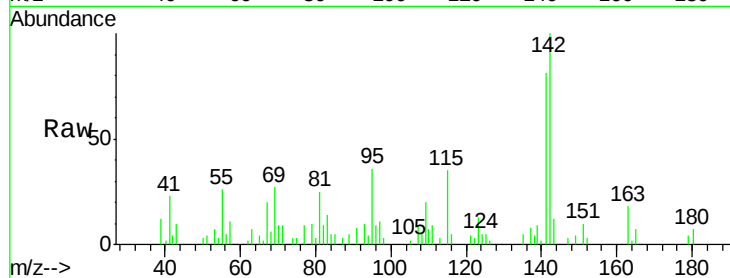
C01L2

Tgt Ion:142 Resp: 21654

Ion Ratio Lower Upper

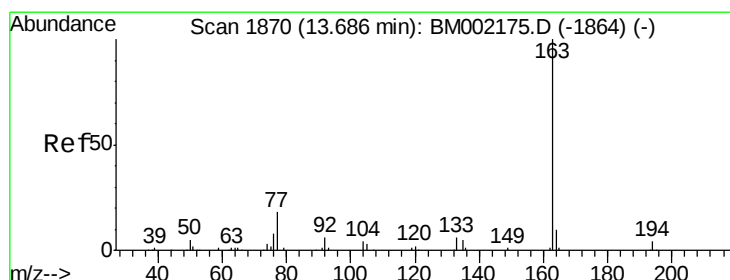
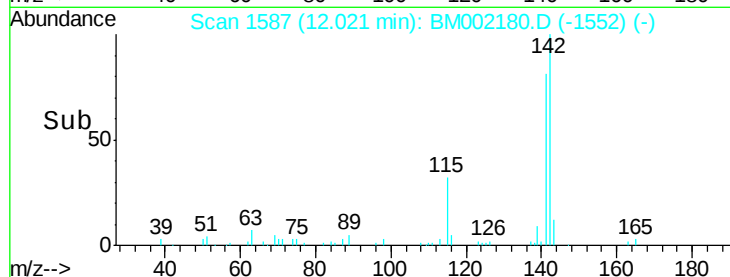
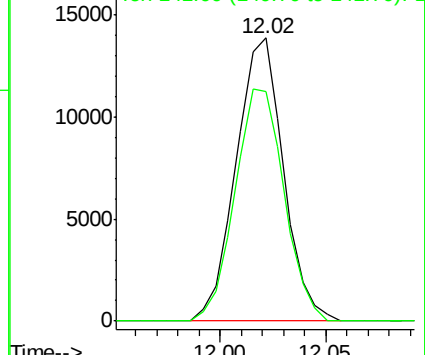
142 100

141 81.3 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: 3.71 ng/ul

RT: 13.69 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

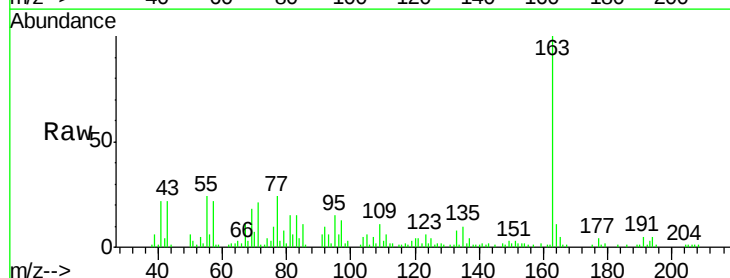
Tgt Ion:163 Resp: 65557

Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

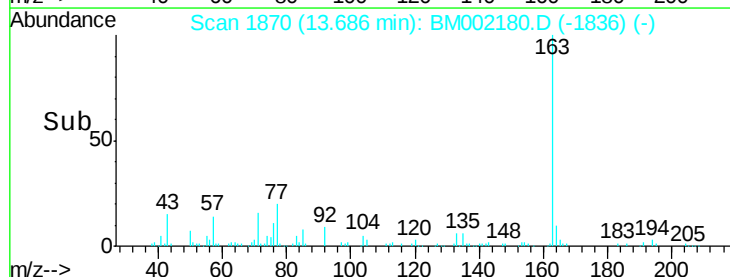
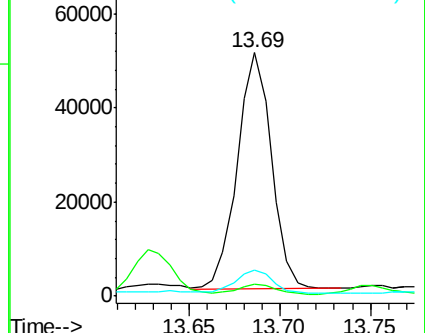
164 10.9 8.0 12.0

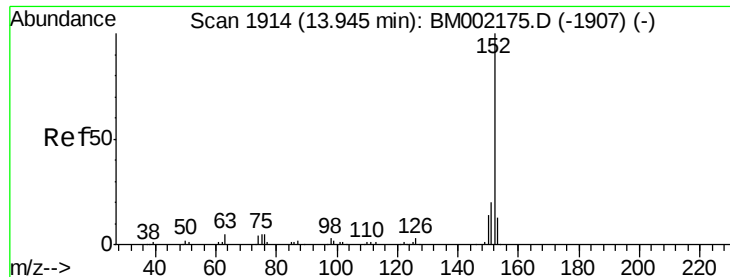


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 3.85 ng/ul

RT: 13.94 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

Instrument :

BNA_M

ClientSampleId :

C01L2

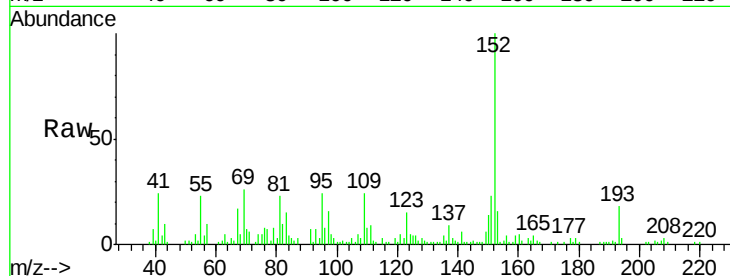
Tgt Ion:152 Resp: 87841

Ion Ratio Lower Upper

152 100

151 23.3 15.6 23.4

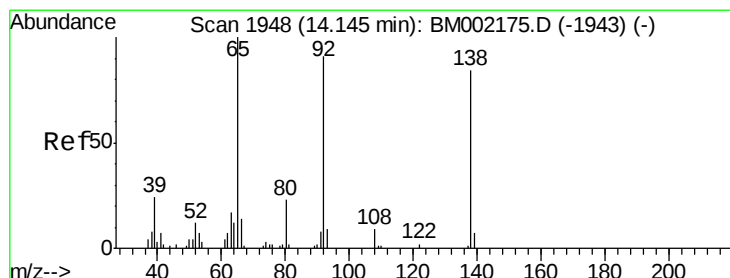
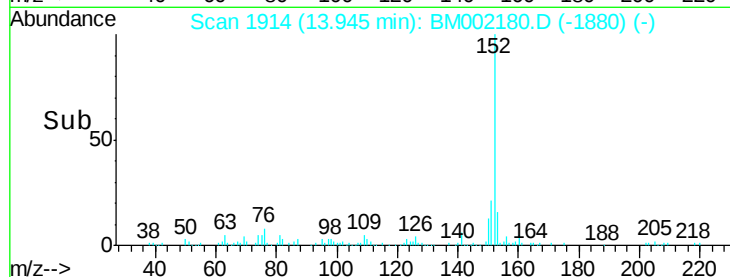
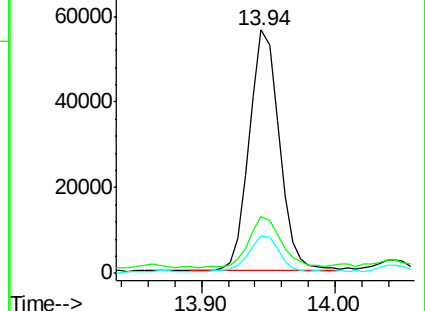
153 15.6 10.3 15.5#



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



#49

3-Nitroaniline

Concen: 1.25 ng/ul

RT: 14.12 min Scan# 1944

Delta R.T. -0.02 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

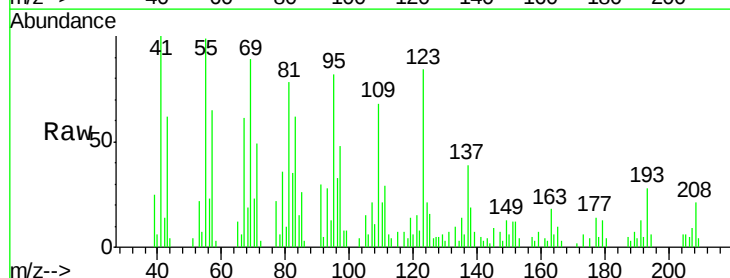
Tgt Ion:138 Resp: 3990

Ion Ratio Lower Upper

138 100

108 54.6 8.3 12.5#

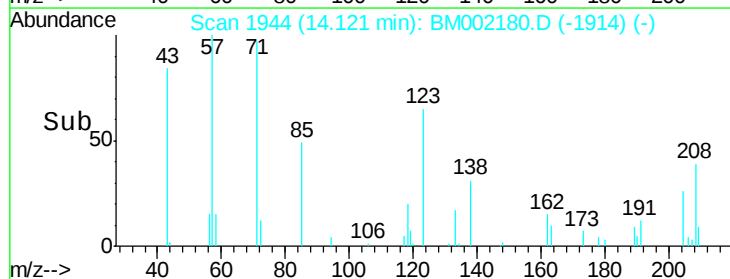
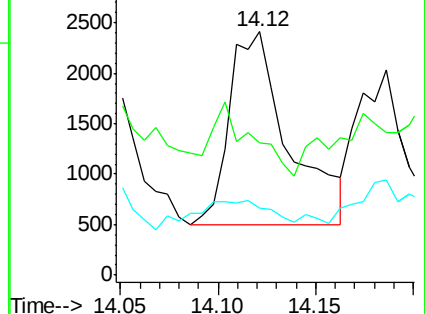
92 27.3 94.0 141.0#

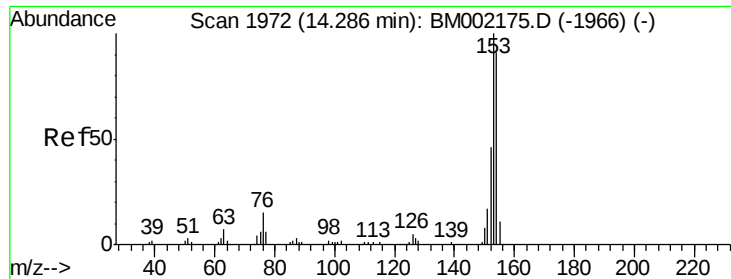


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM





#50

Acenaphthene

Concen: 1.98 ng/ul

RT: 14.29 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

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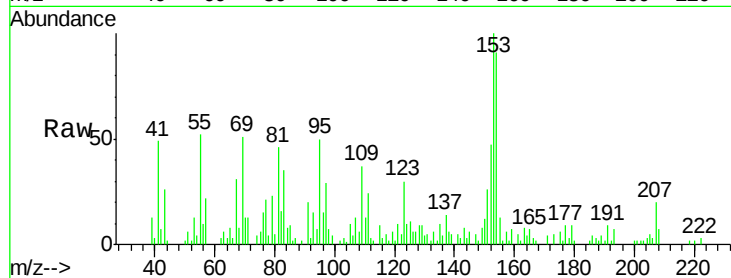
Tgt Ion:153 Resp: 29674

Ion Ratio Lower Upper

153 100

152 46.6 37.3 55.9

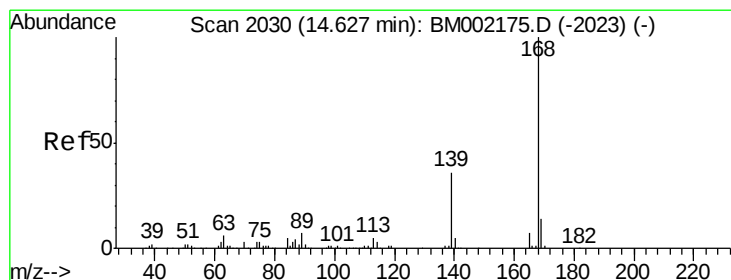
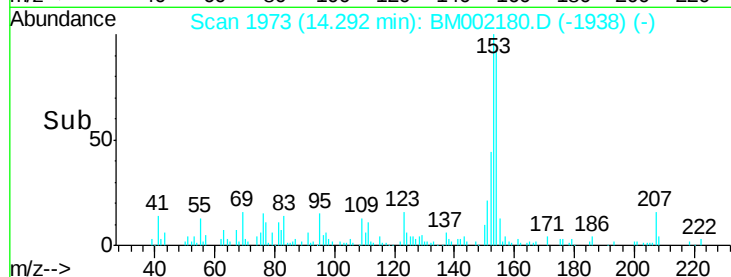
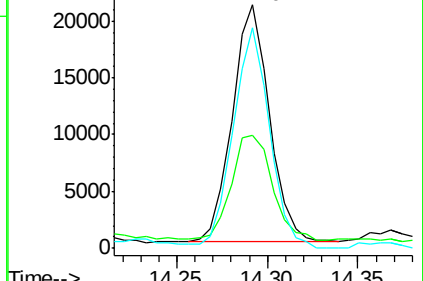
154 90.6 71.4 107.2



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: 1.28 ng/ul

RT: 14.63 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BM002180.D

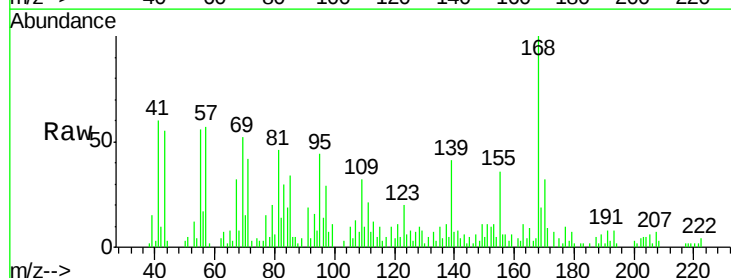
Acq: 02 Aug 2015 21:53

Tgt Ion:168 Resp: 27401

Ion Ratio Lower Upper

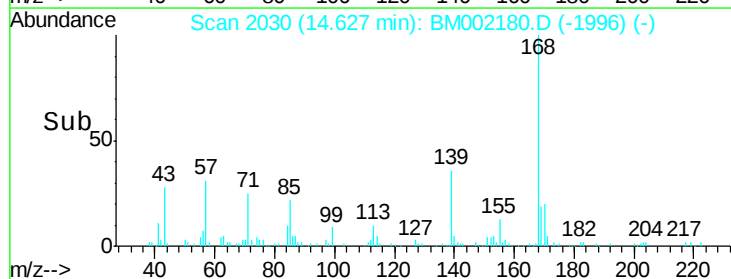
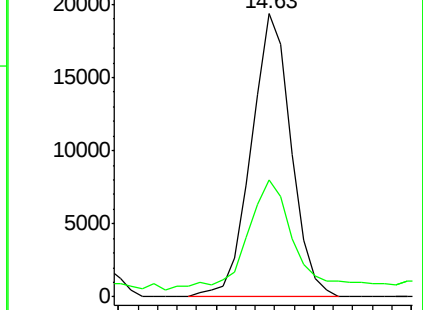
168 100

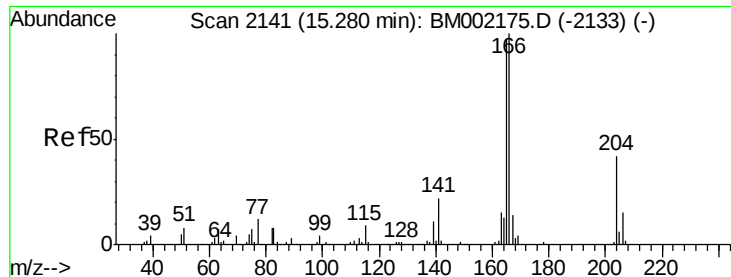
139 41.2 28.2 42.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.43 ng/ul

RT: 15.28 min Scan# 2141

Delta R.T. -0.00 min

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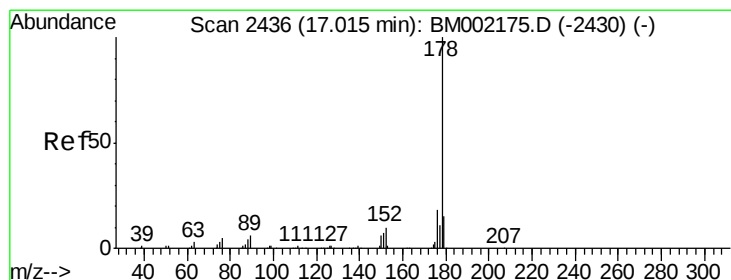
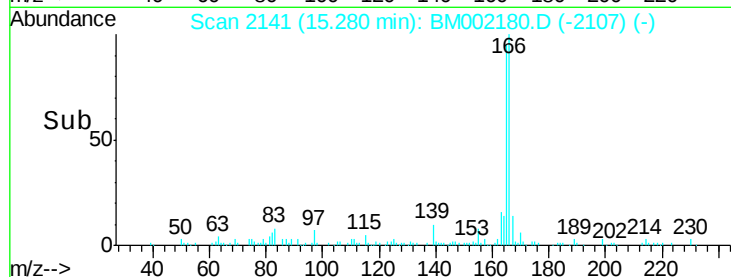
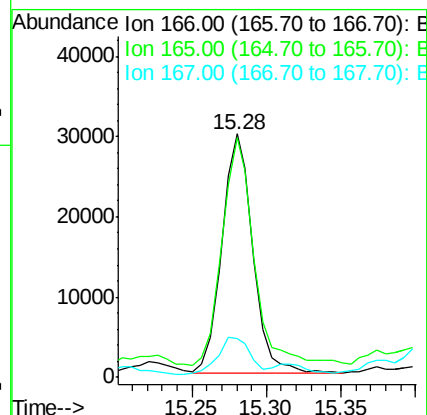
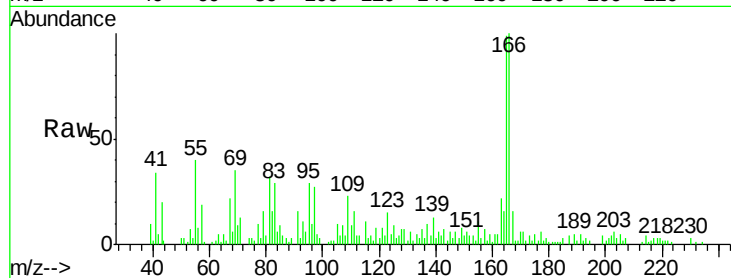
Tgt Ion:166 Resp: 43098

Ion Ratio Lower Upper

166 100

165 98.7 75.6 113.4

167 16.1 10.5 15.7#



#70

Phenanthrene

Concen: 29.12 ng/ul

RT: 17.03 min Scan# 2438

Delta R.T. 0.01 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

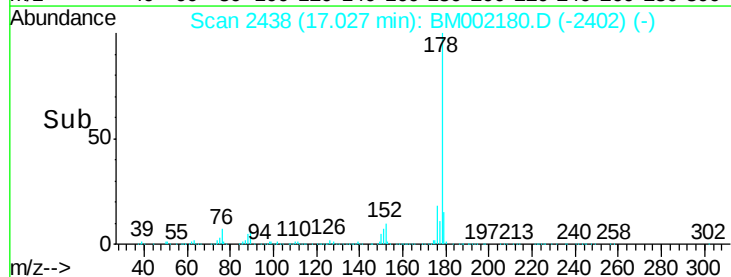
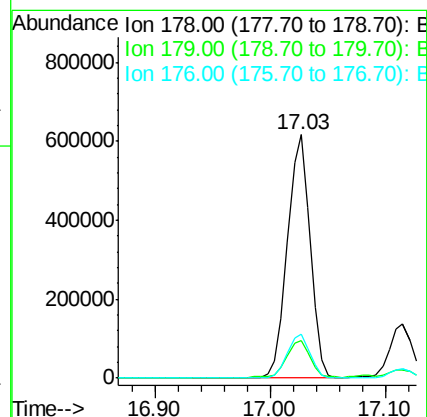
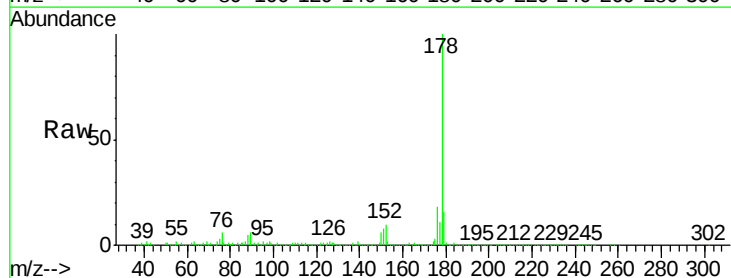
Tgt Ion:178 Resp: 836805

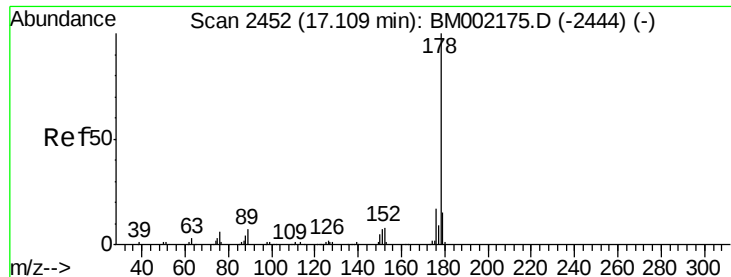
Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

176 18.3 14.2 21.4





#72

Anthracene

Concen: 6.24 ng/ul

RT: 17.12 min Scan# 2453

Delta R.T. 0.01 min

Lab File: BM002180.D

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C01L2

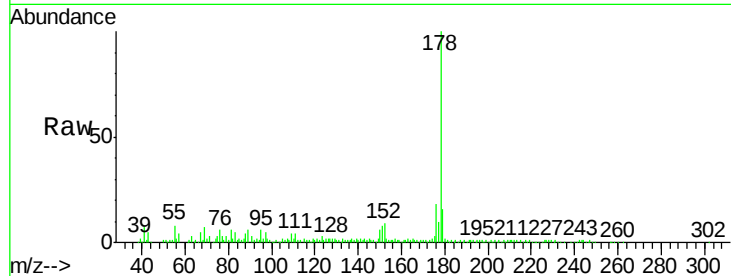
Tgt Ion:178 Resp: 183346

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

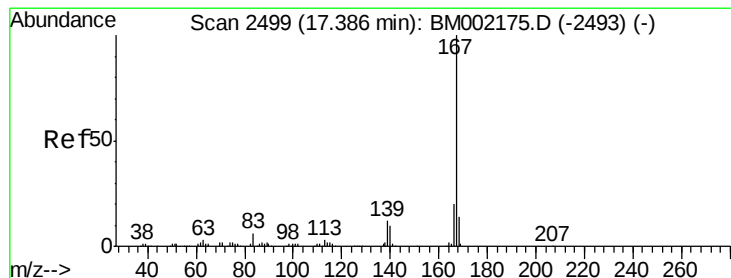
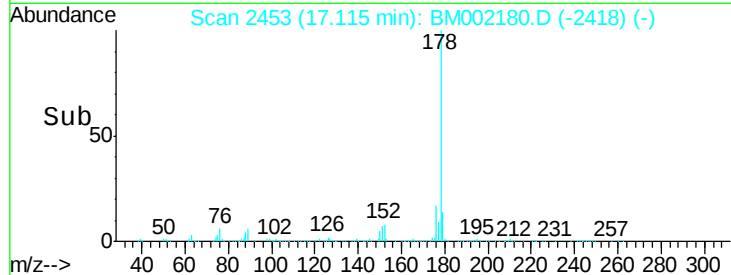
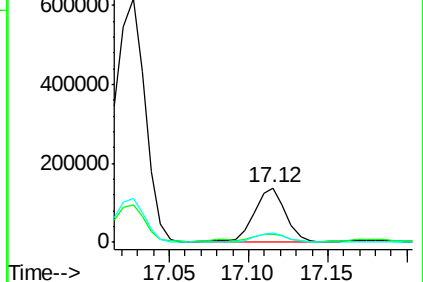
176 17.7 14.1 21.1



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: 1.71 ng/ul

RT: 17.39 min Scan# 2500

Delta R.T. 0.01 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

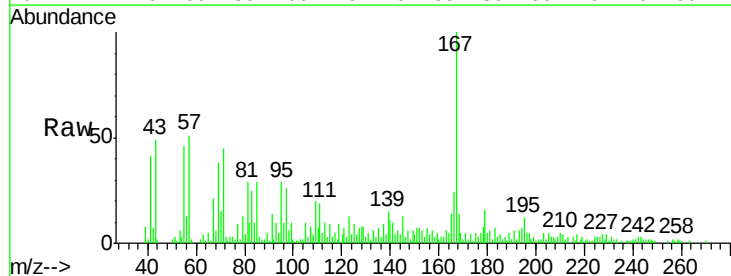
Tgt Ion:167 Resp: 42785

Ion Ratio Lower Upper

167 100

166 24.1 16.2 24.4

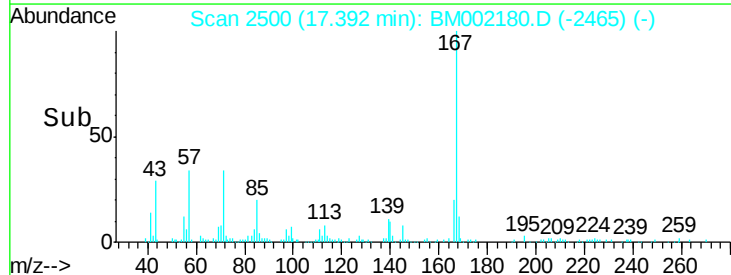
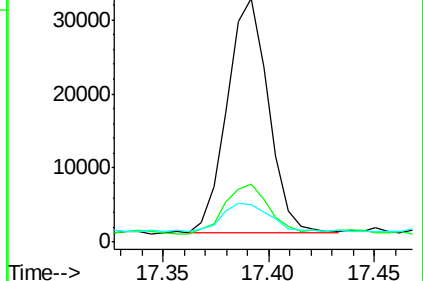
139 15.4 9.6 14.4#

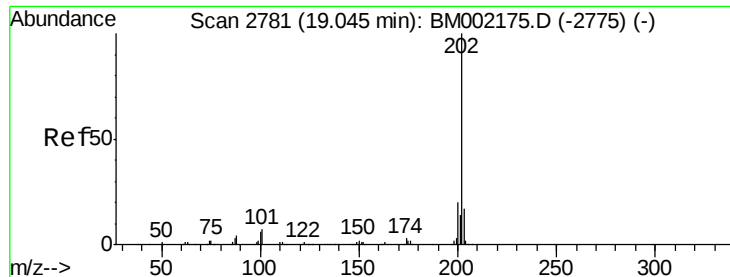


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 43.57 ng/ul

RT: 19.06 min Scan# 2783

Delta R.T. 0.01 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

Instrument :

BNA_M

ClientSampleId :

C01L2

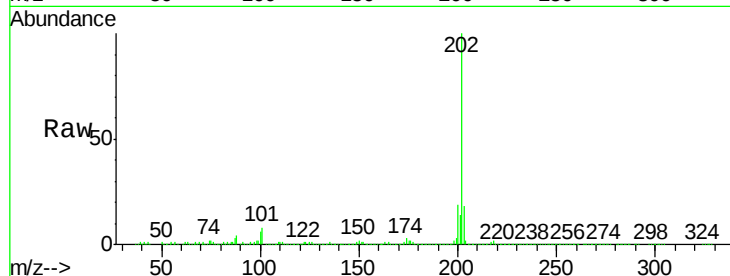
Tgt Ion:202 Resp: 1445534

Ion Ratio Lower Upper

202 100

101 7.9 6.2 9.4

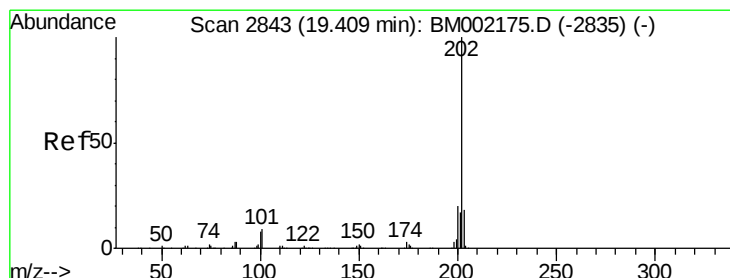
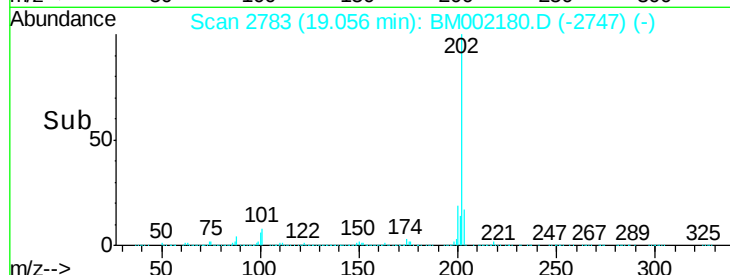
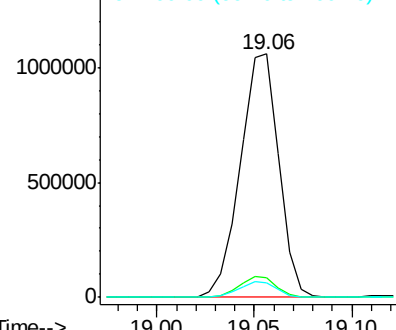
100 6.1 5.2 7.8



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: 49.79 ng/ul

RT: 19.42 min Scan# 2845

Delta R.T. 0.01 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

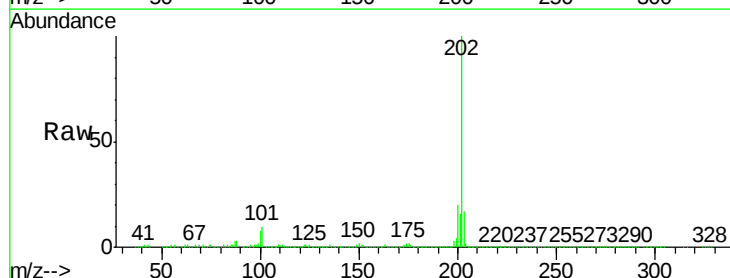
Tgt Ion:202 Resp: 1602097

Ion Ratio Lower Upper

202 100

101 9.5 7.4 11.2

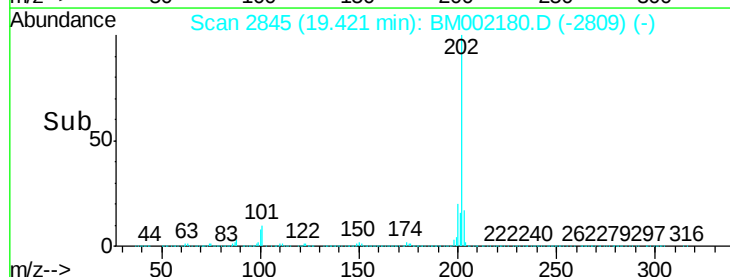
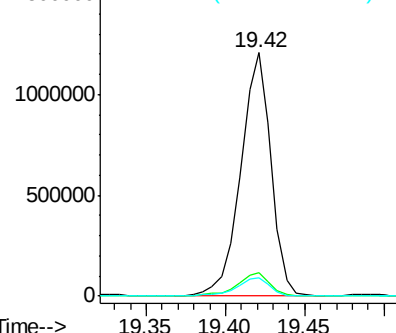
100 7.5 6.3 9.5

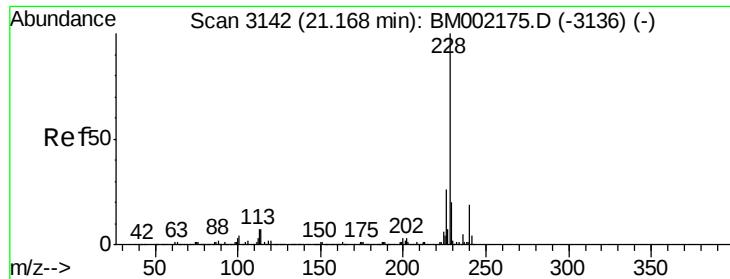


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

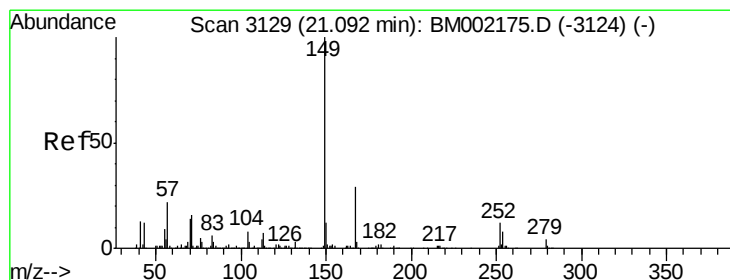
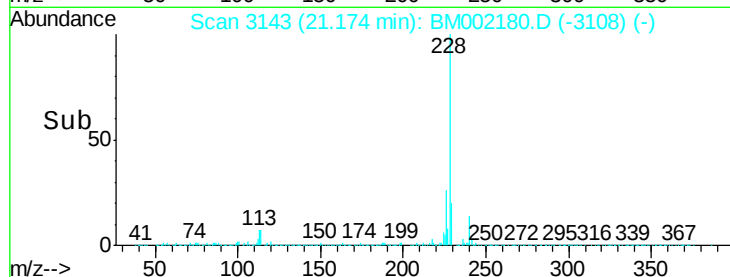
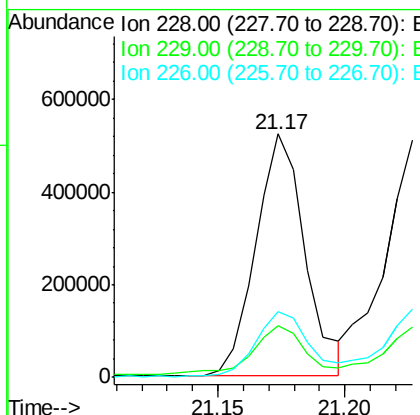
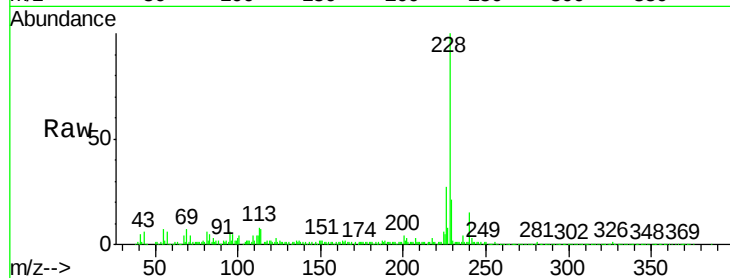




#83
Benzo(a)anthracene
Concen: 21.65 ng/ul
RT: 21.17 min Scan# 3143
Delta R.T. 0.01 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

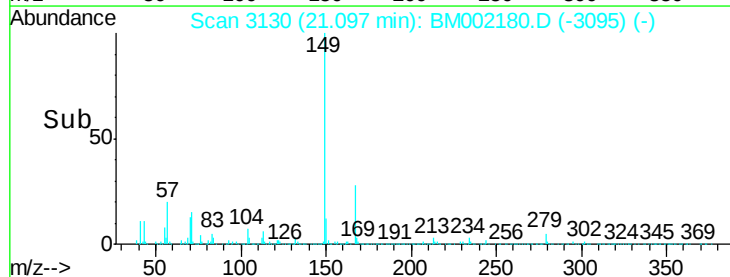
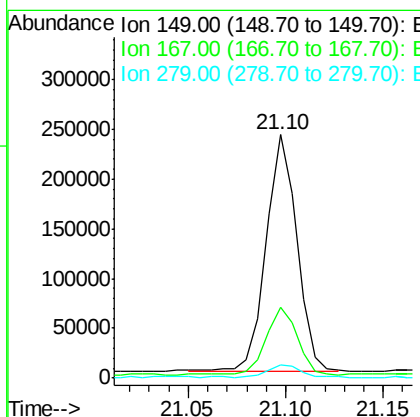
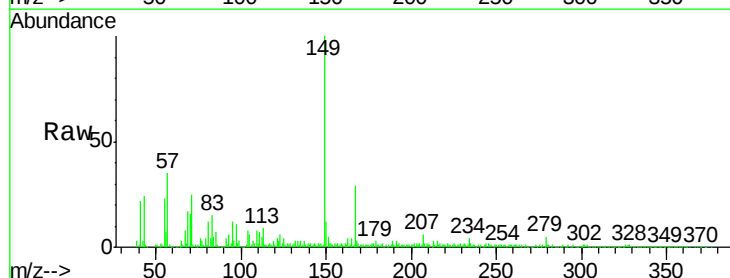
Instrument :
BNA_M
ClientSampleId :
C01L2

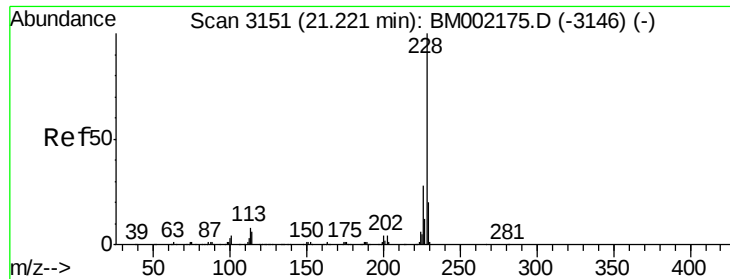
Tgt Ion:228 Resp: 709687
Ion Ratio Lower Upper
228 100
229 21.0 15.4 23.2
226 26.9 20.5 30.7



#84
Bis(2-ethylhexyl)phthalate
Concen: 13.78 ng/ul
RT: 21.10 min Scan# 3130
Delta R.T. 0.01 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Tgt Ion:149 Resp: 259213
Ion Ratio Lower Upper
149 100
167 29.1 23.6 35.4
279 5.4 4.2 6.4





#85

Chrysene

Concen: 22.02 ng/ul

RT: 21.23 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

Instrument :

BNA_M

ClientSampleId :

C01L2

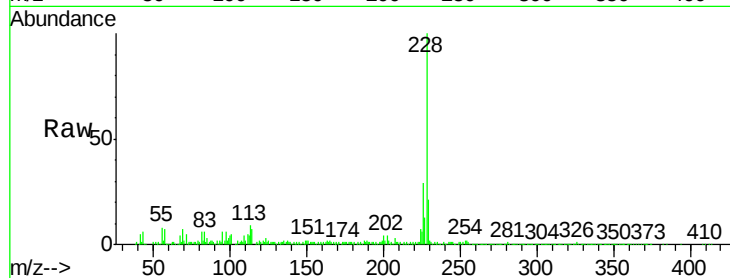
Tgt Ion:228 Resp: 675192

Ion Ratio Lower Upper

228 100

226 28.9 22.3 33.5

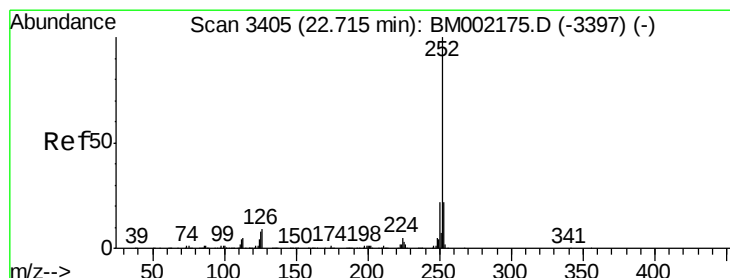
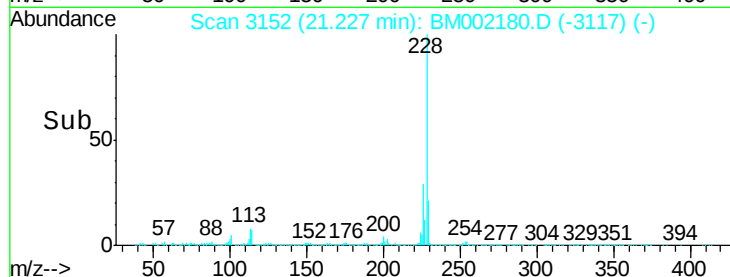
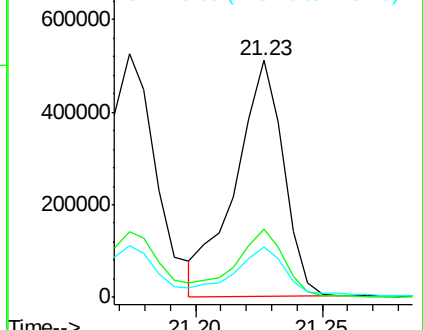
229 21.5 15.5 23.3



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: 26.48 ng/ul

RT: 22.74 min Scan# 3409

Delta R.T. 0.02 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

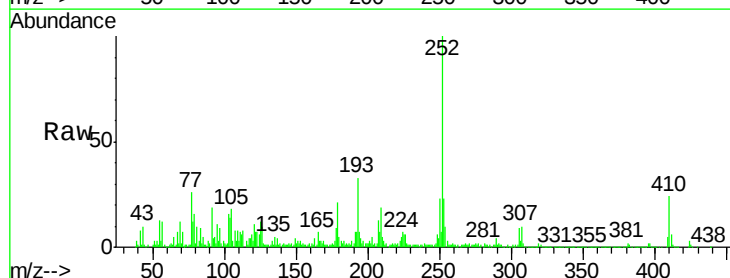
Tgt Ion:252 Resp: 744075

Ion Ratio Lower Upper

252 100

253 23.4 16.9 25.3

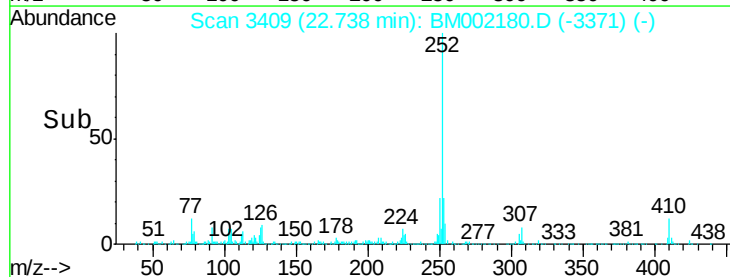
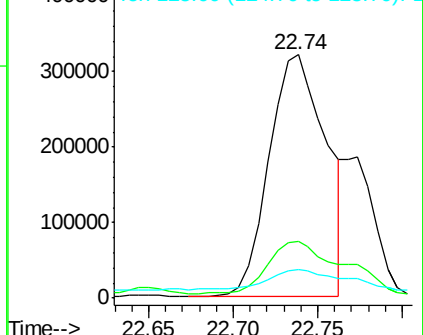
125 11.6 6.2 9.2#

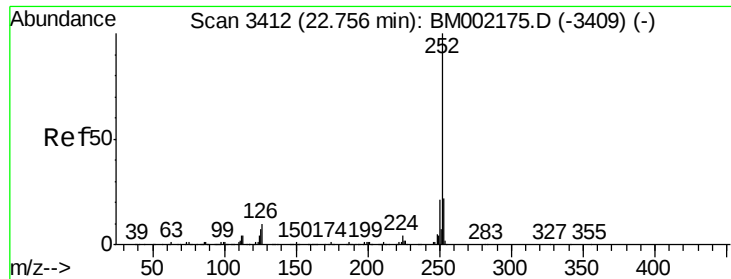


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 6.97 ng/ul

RT: 22.74 min Scan# 3409

Delta R.T. -0.02 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

Instrument :

BNA_M

ClientSampleId :

C01L2

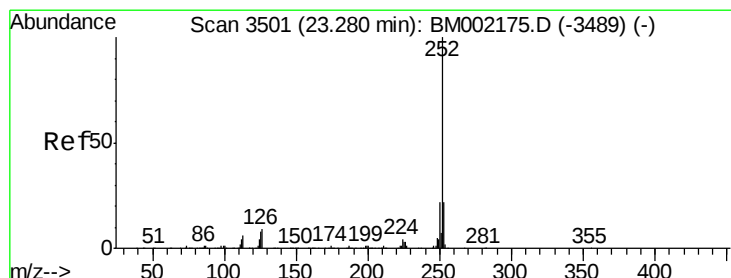
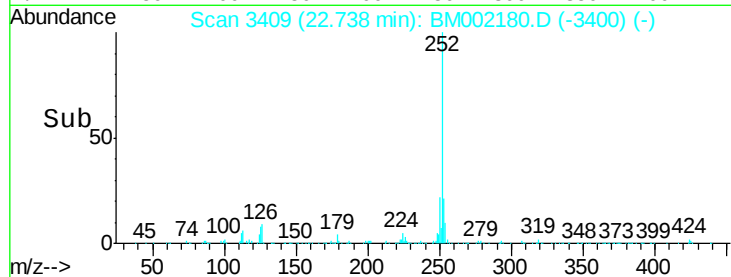
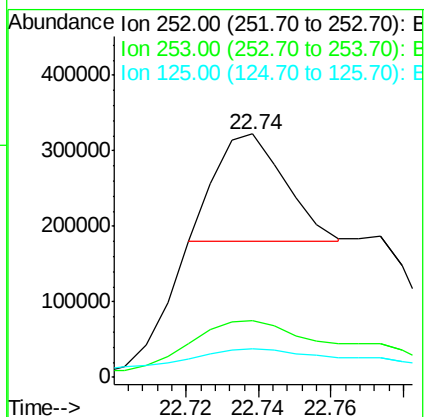
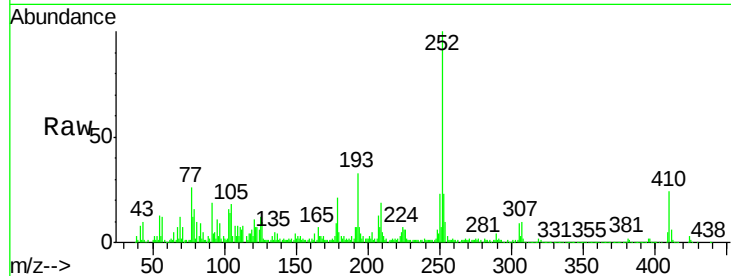
Tgt Ion:252 Resp: 188928

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 11.6 6.2 9.4#



#91

Benzo(a)pyrene

Concen: 18.79 ng/ul

RT: 23.30 min Scan# 3504

Delta R.T. 0.02 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

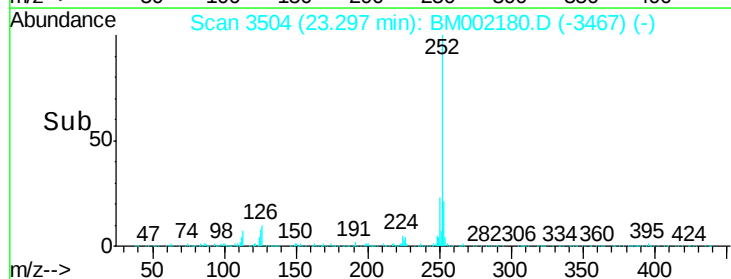
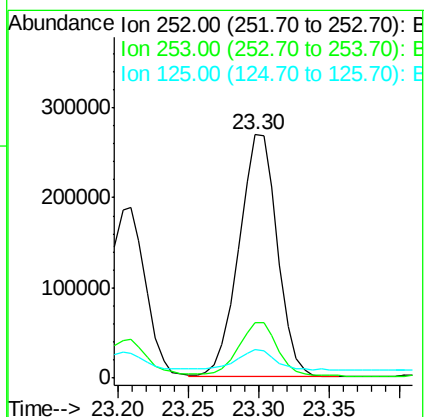
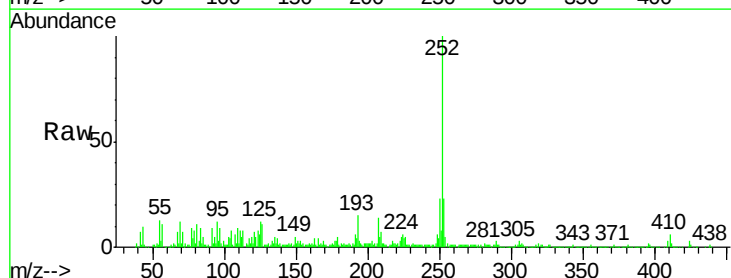
Tgt Ion:252 Resp: 509612

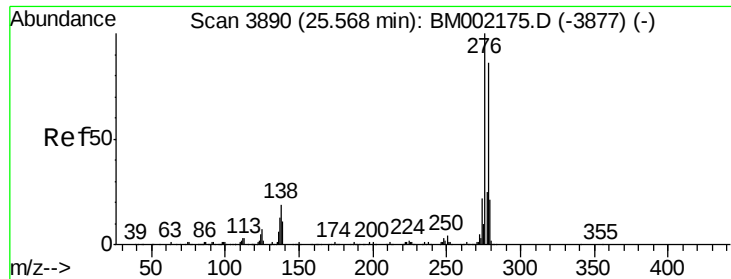
Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

125 11.7 6.6 10.0#





#92

Indeno(1,2,3-cd)pyrene

Concen: 9.74 ng/ul

RT: 25.59 min Scan# 3894

Delta R.T. 0.02 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

Instrument :

BNA_M

ClientSampleId :

C01L2

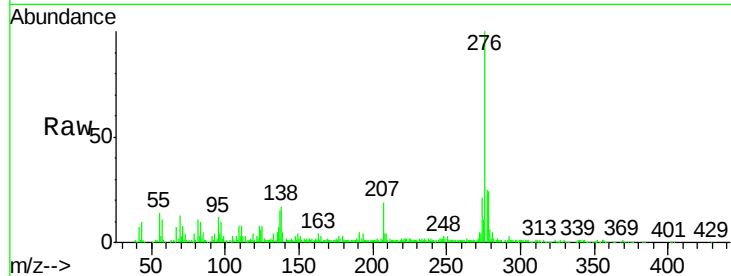
Tgt Ion:276 Resp: 304460

Ion Ratio Lower Upper

276 100

138 17.2 16.2 24.2

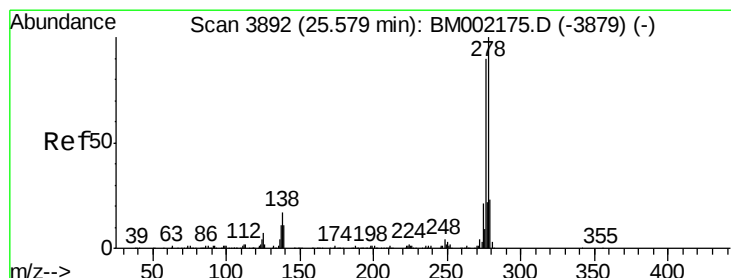
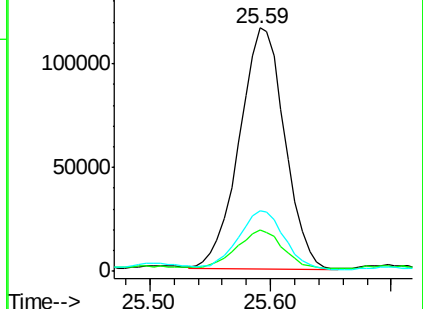
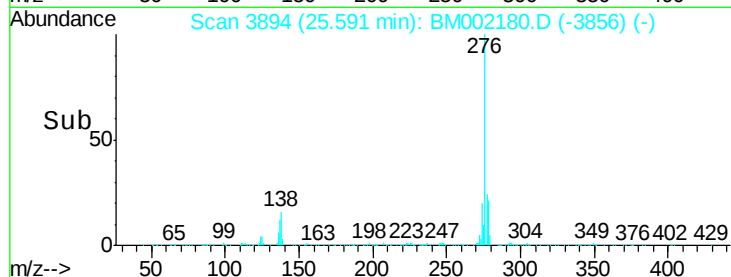
277 24.8 19.8 29.8



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



#93

Dibenzo(a,h)anthracene

Concen: 3.17 ng/ul

RT: 25.59 min Scan# 3894

Delta R.T. 0.01 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

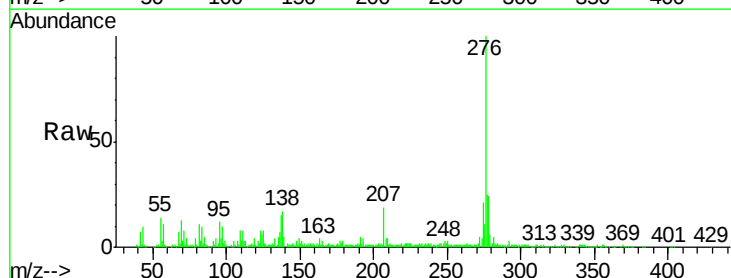
Tgt Ion:278 Resp: 84763

Ion Ratio Lower Upper

278 100

139 21.4 10.6 16.0#

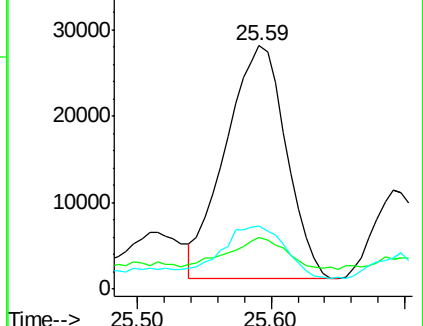
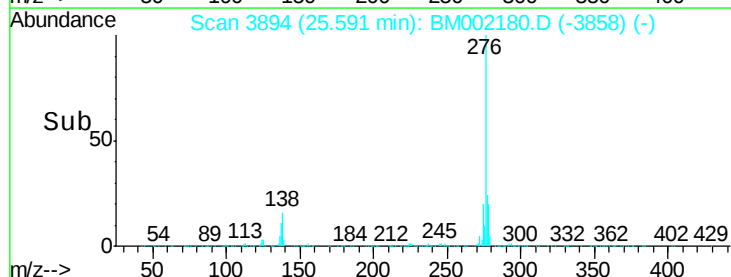
279 26.1 18.5 27.7

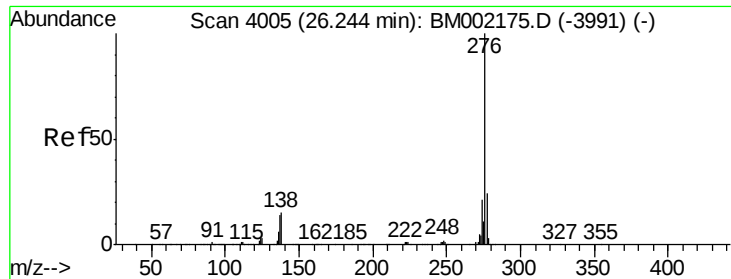


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 11.08 ng/ul

RT: 26.27 min Scan# 4010

Delta R.T. 0.03 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

Instrument :

BNA_M

ClientSampleId :

C01L2

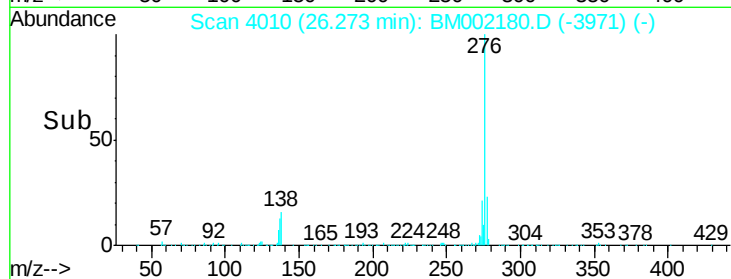
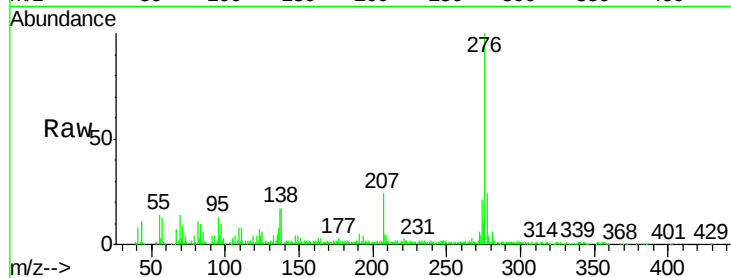
Tgt Ion: 276 Resp: 290284

Ion Ratio Lower Upper

276 100

138 16.8 13.8 20.6

277 24.1 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

