

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072815\
 Data File : BM002118.D
 Acq On : 29 Jul 2015 06:29
 Operator : TP/UM
 Sample : G3030-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02F1

Quant Time: Jul 29 07:50:04 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 01:50:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	71124	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	285962	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	181259	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	426661	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	504066	20.00	ng/ul	0.01
86) Perylene-d12	23.42	264	513971	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	3829	2.79	ng/uL	0.00
5) Phenol-d5	6.78	99	90435	17.79	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.94	67	46484	16.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	75169	17.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	68180	16.87	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	35508	17.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	35775	15.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	81477	18.73	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	77469	16.21	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	238865	17.99	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	275604	16.60	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	31664	14.29	ng/ul	0.01
58) Fluorene-d10	15.26	176	194383	16.64	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	7889	3.02	ng/ul	0.00
71) Anthracene-d10	17.11	188	317221	16.66	ng/ul	0.00
79) Pyrene-d10	19.42	212	329901	15.55	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.28	264	349451	14.03	ng/ul	0.02

Target Compounds

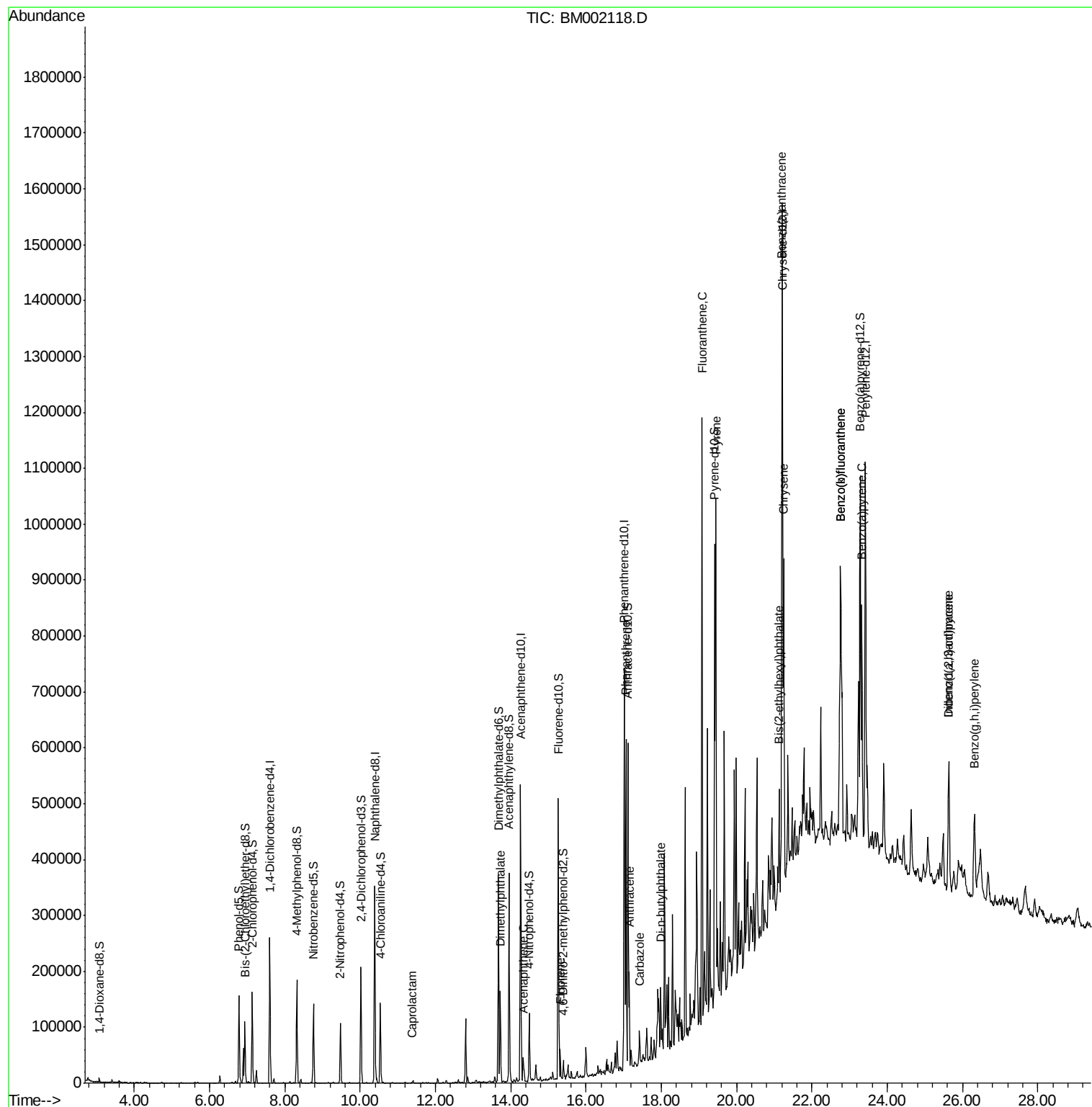
						Qvalue
32) Caprolactam	11.36	113	1201	1.02	ng/ul#	22
45) Dimethylphthalate	13.72	163	102140	7.71	ng/ul	100
50) Acenaphthene	14.33	153	19201	1.71	ng/ul	99
59) Fluorene	15.31	166	25578	1.92	ng/ul	99
70) Phenanthrene	17.06	178	365669	16.55	ng/ul	99
72) Anthracene	17.14	178	106406	4.71	ng/ul	99
75) Carbazole	17.42	167	29317	1.52	ng/ul#	91
76) Di-n-butylphthalate	17.98	149	72776	3.16	ng/ul	98
77) Fluoranthene	19.08	202	656449	25.73	ng/ul	99
80) Pyrene	19.44	202	547532	19.96	ng/ul	99
83) Benzo(a)anthracene	21.20	228	317506	11.36	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.12	149	75760	4.72	ng/ul	100
85) Chrysene	21.25	228	324306	12.41	ng/ul	98
88) Benzo(b)fluoranthene	22.76	252	439591	15.22	ng/ul#	96
89) Benzo(k)fluoranthene	22.76	252	125795	4.51	ng/ul#	97
91) Benzo(a)pyrene	23.32	252	292420	10.49	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.63	276	218643	6.81	ng/ul	96
93) Dibenzo(a,h)anthracene	25.63	278	57719	2.10	ng/ul#	81
94) Benzo(g,h,i)perylene	26.31	276	192962	7.17	ng/ul	97

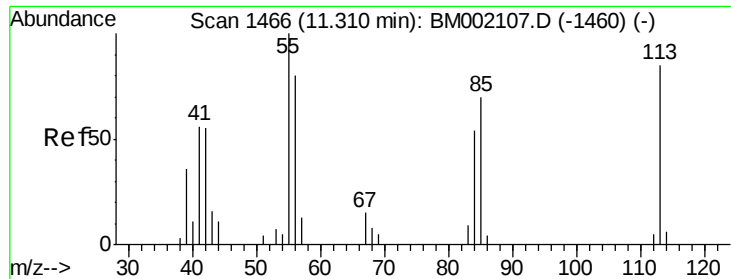
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 29 01:50:38 2015
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#32

Caprolactam

Concen: 1.02 ng/ul

RT: 11.36 min Scan# 1475

Delta R.T. 0.05 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

Instrument :

BNA_M

ClientSampleId :

C02F1

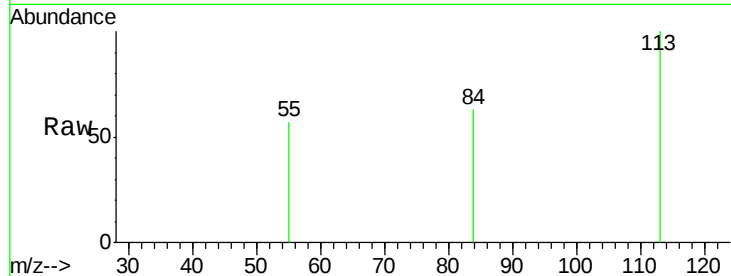
Tgt Ion:113 Resp: 1201

Ion Ratio Lower Upper

113 100

55 57.2 101.0 151.6#

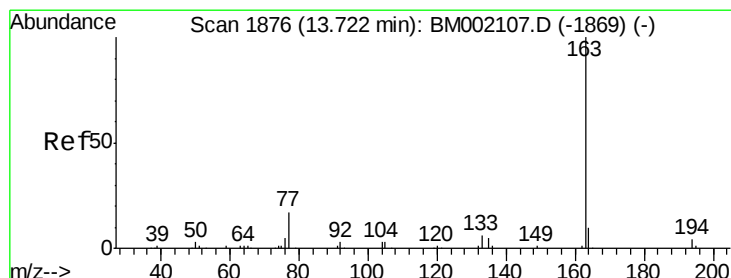
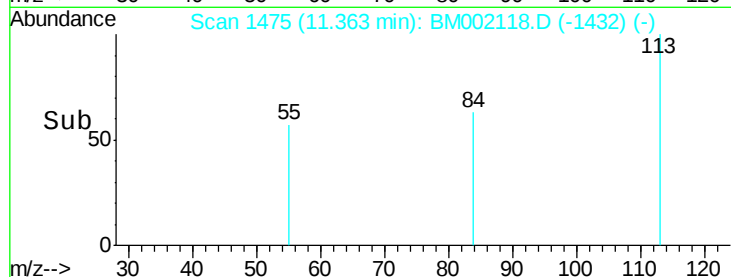
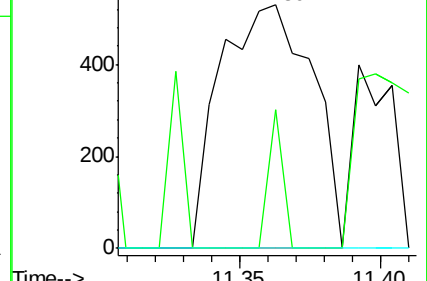
56 0.0 79.0 118.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM002107.D (-1460) (-)

Ion 56.00 (55.70 to 56.70): BM002107.D (-1460) (-)



#45

Dimethylphthalate

Concen: 7.71 ng/ul

RT: 13.72 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

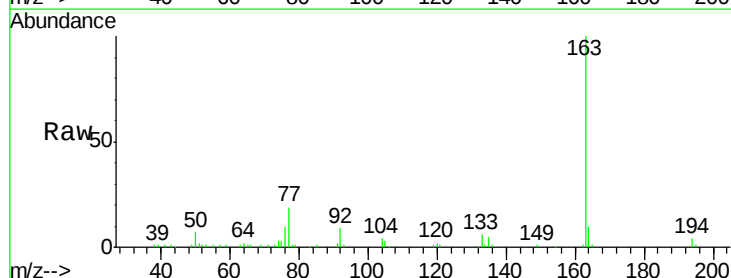
Tgt Ion:163 Resp: 102140

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

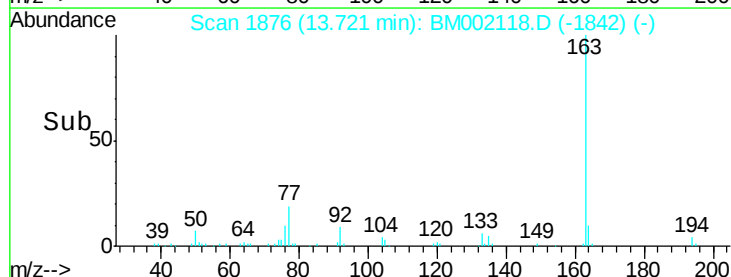
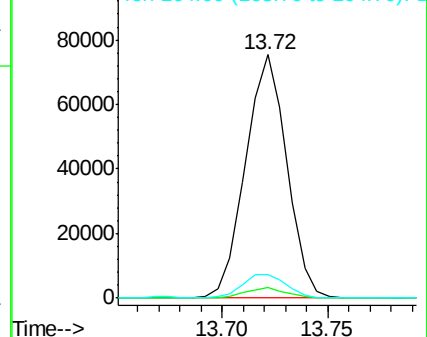
164 9.9 8.0 12.0

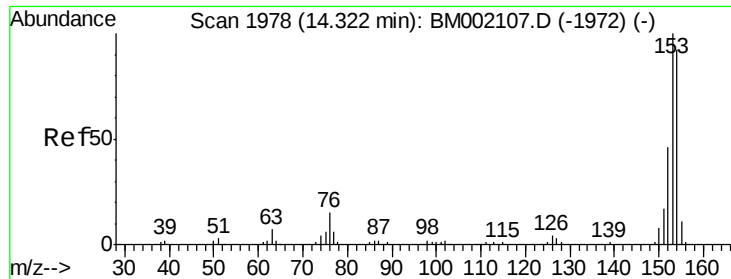


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 1.71 ng/ul

RT: 14.33 min Scan# 1979

Delta R.T. 0.01 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

Instrument :

BNA_M

ClientSampleId :

C02F1

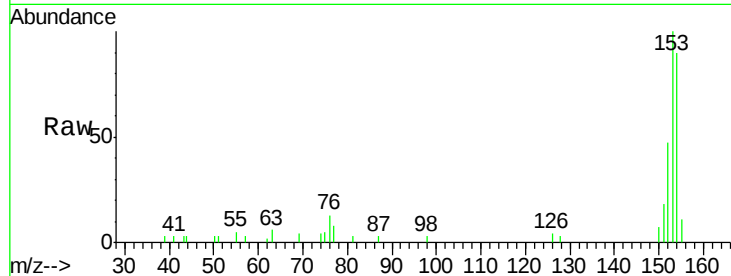
Tgt Ion:153 Resp: 19201

Ion Ratio Lower Upper

153 100

152 46.6 37.3 55.9

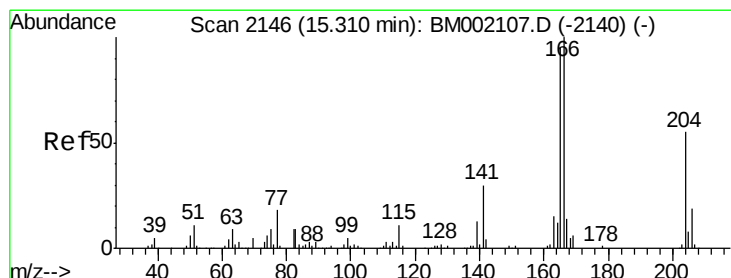
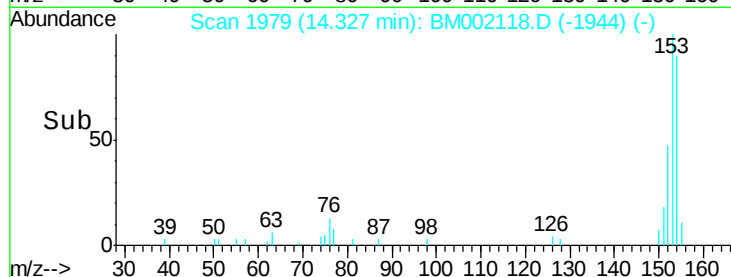
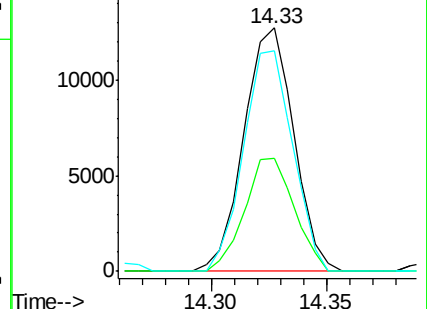
154 90.3 71.4 107.2



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



#59

Fluorene

Concen: 1.92 ng/ul

RT: 15.31 min Scan# 2146

Delta R.T. -0.00 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

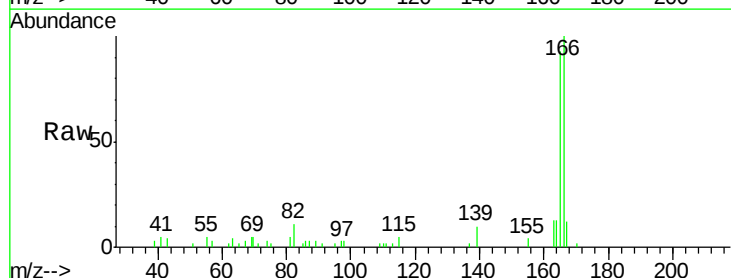
Tgt Ion:166 Resp: 25578

Ion Ratio Lower Upper

166 100

165 93.4 75.6 113.4

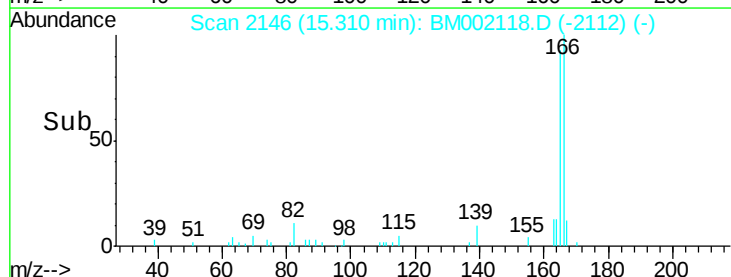
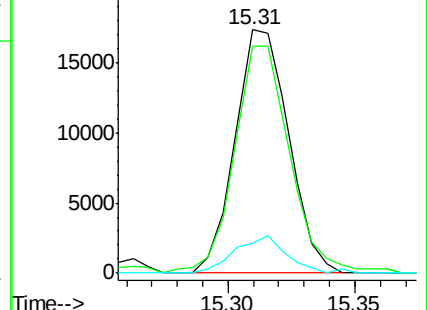
167 12.4 10.5 15.7

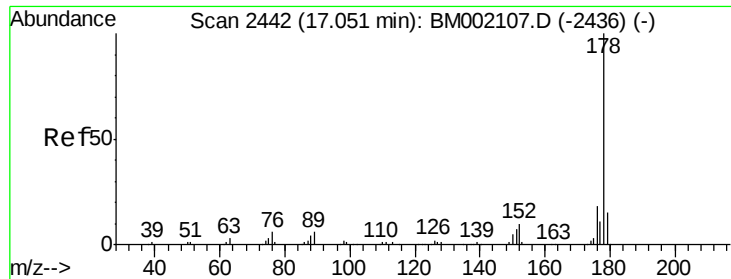


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 16.55 ng/ul

RT: 17.06 min Scan# 2443

Delta R.T. 0.01 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

Instrument :

BNA_M

ClientSampleId :

C02F1

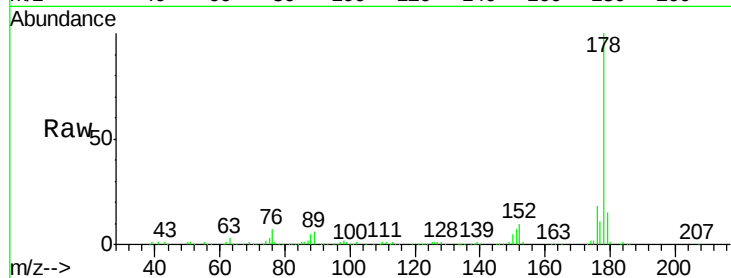
Tgt Ion:178 Resp: 365669

Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

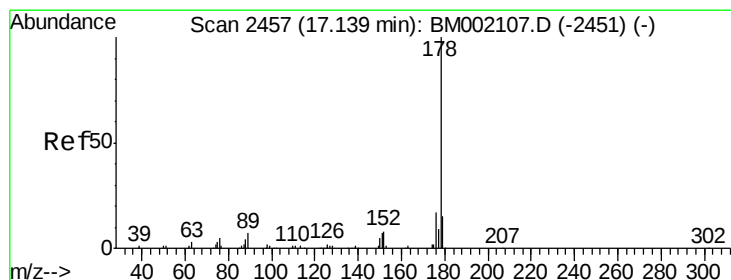
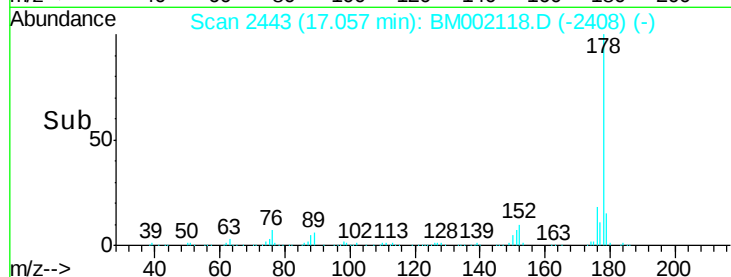
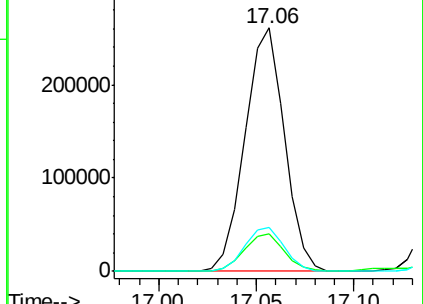
176 17.9 14.2 21.4



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: 4.71 ng/ul

RT: 17.14 min Scan# 2458

Delta R.T. 0.01 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

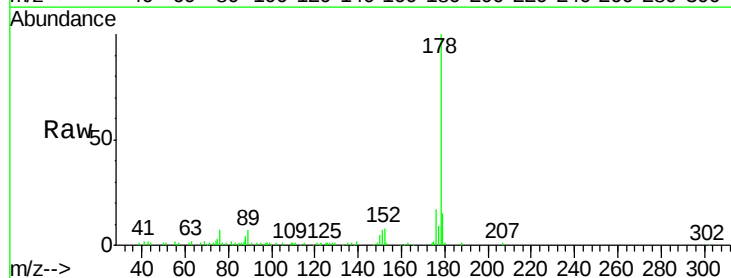
Tgt Ion:178 Resp: 106406

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

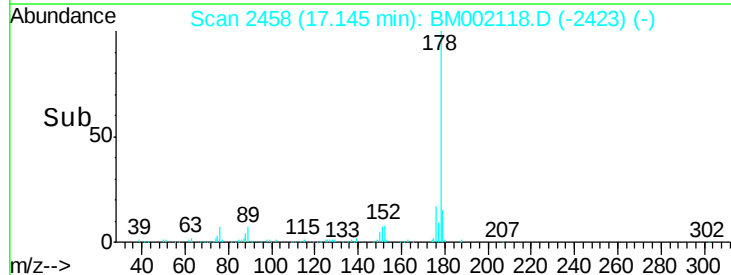
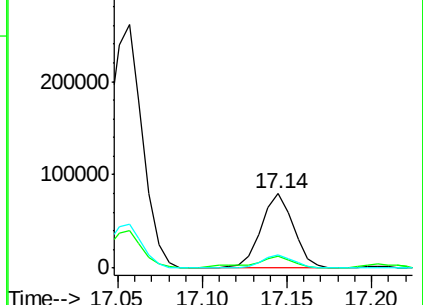
176 17.3 14.1 21.1

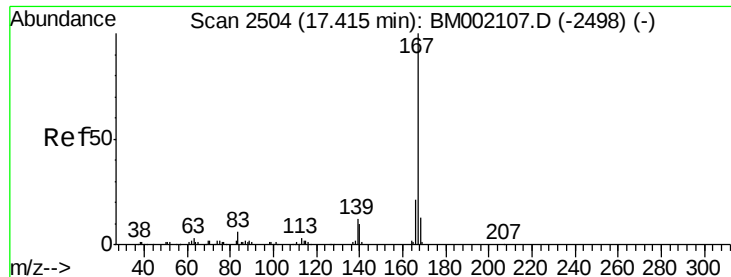


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

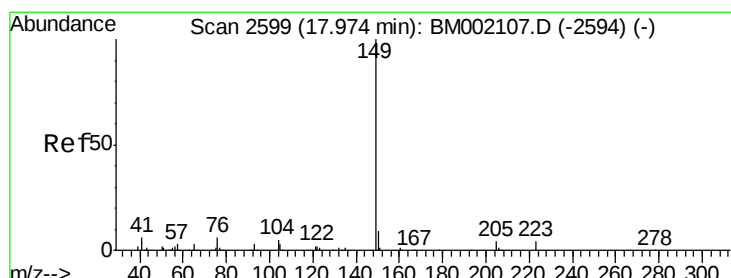
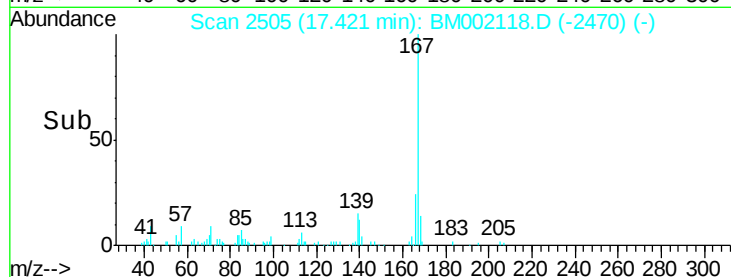
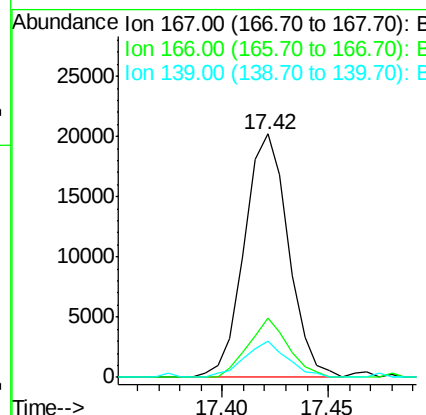
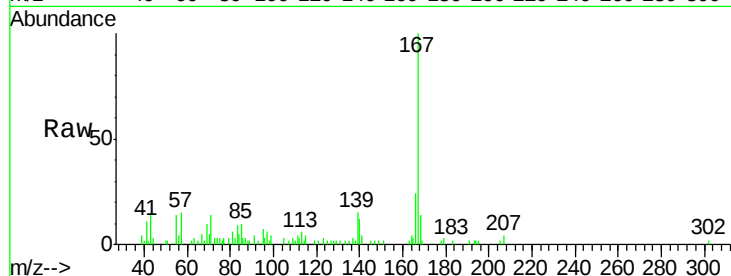




#75
 Carbazole
 Concen: 1.52 ng/ul
 RT: 17.42 min Scan# 2505
 Delta R.T. 0.01 min
 Lab File: BM002118.D
 Acq: 29 Jul 2015 06:29

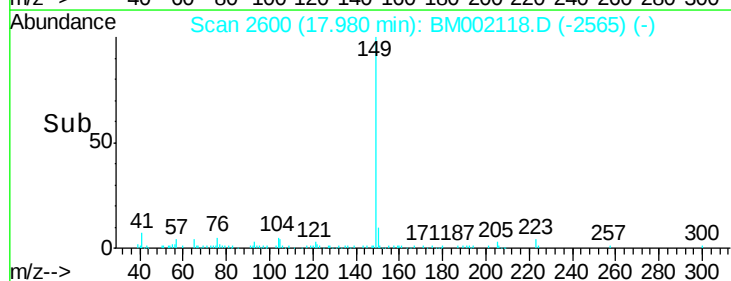
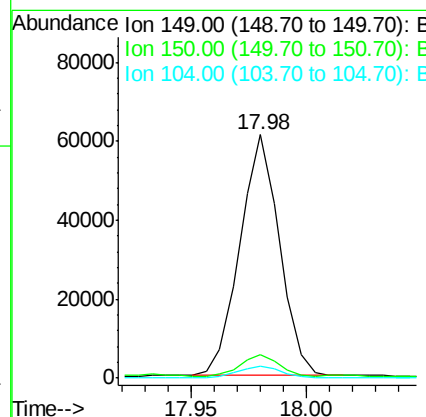
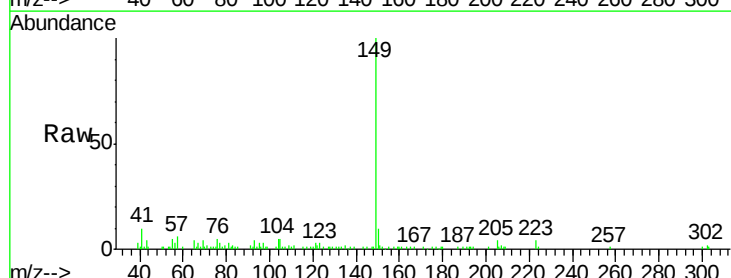
Instrument :
 BNA_M
 ClientSampled :
 C02F1

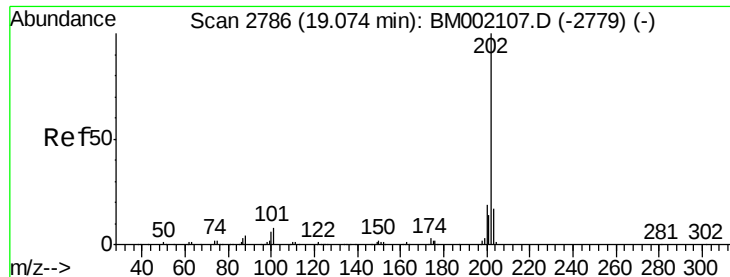
Tgt Ion:167 Resp: 29317
 Ion Ratio Lower Upper
 167 100
 166 24.4 16.2 24.4#
 139 15.1 9.6 14.4#



#76
 Di-n-butylphthalate
 Concen: 3.16 ng/ul
 RT: 17.98 min Scan# 2600
 Delta R.T. 0.01 min
 Lab File: BM002118.D
 Acq: 29 Jul 2015 06:29

Tgt Ion:149 Resp: 72776
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.0 10.4
 104 5.1 4.2 6.2

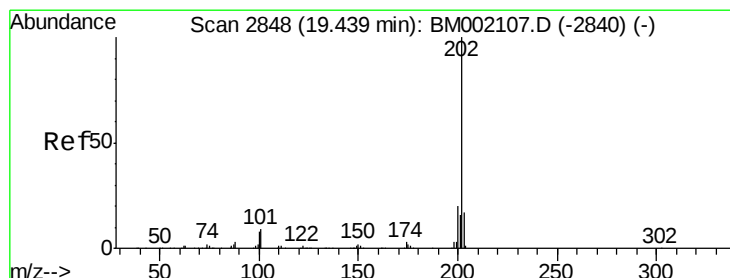
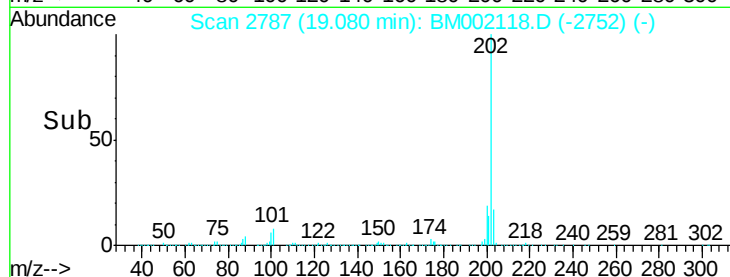
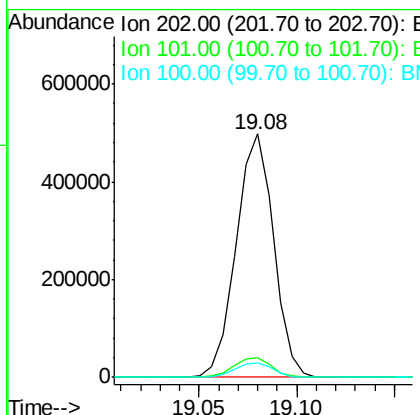
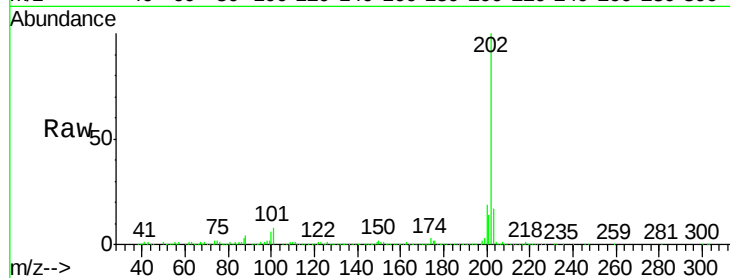




#77
Fluoranthene
Concen: 25.73 ng/ul
RT: 19.08 min Scan# 2787
Delta R.T. 0.01 min
Lab File: BM002118.D
Acq: 29 Jul 2015 06:29

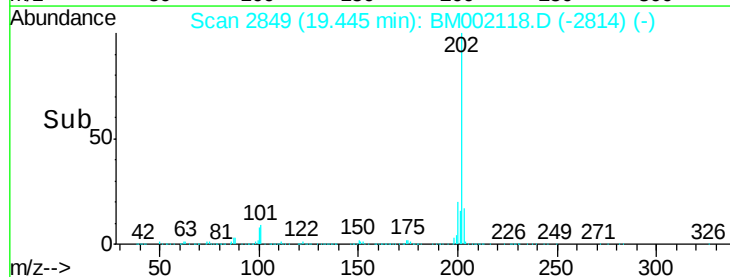
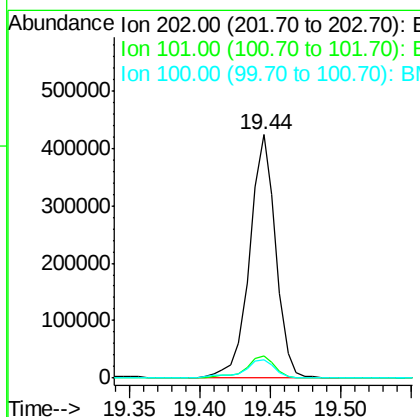
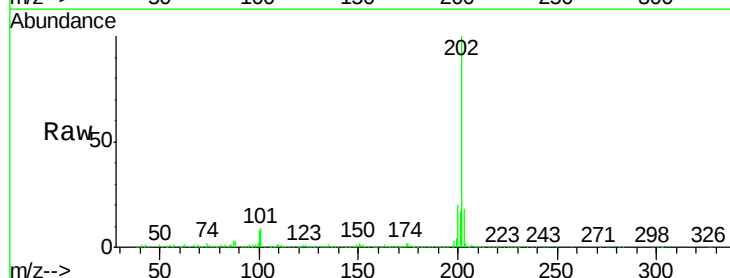
Instrument :
BNA_M
ClientSampleId :
C02F1

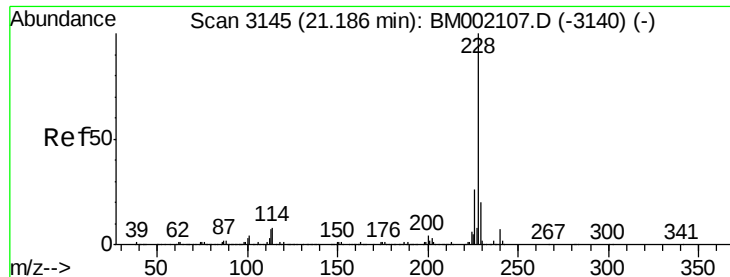
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	6.2	9.4
100	6.1	5.2	7.8



#80
Pyrene
Concen: 19.96 ng/ul
RT: 19.44 min Scan# 2849
Delta R.T. 0.01 min
Lab File: BM002118.D
Acq: 29 Jul 2015 06:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.4	11.2
100	7.7	6.3	9.5





#83

Benzo(a)anthracene

Concen: 11.36 ng/ul

RT: 21.20 min Scan# 3147

Delta R.T. 0.01 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

Instrument :

BNA_M

ClientSampleId :

C02F1

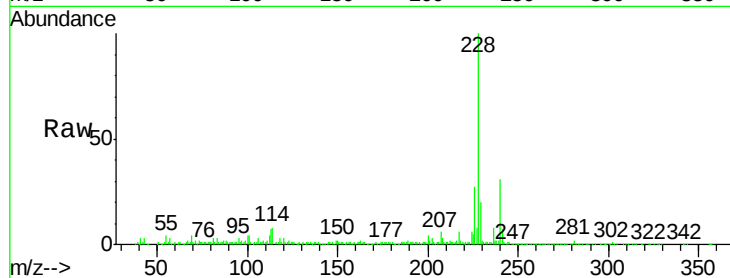
Tgt Ion:228 Resp: 317506

Ion Ratio Lower Upper

228 100

229 20.2 15.4 23.2

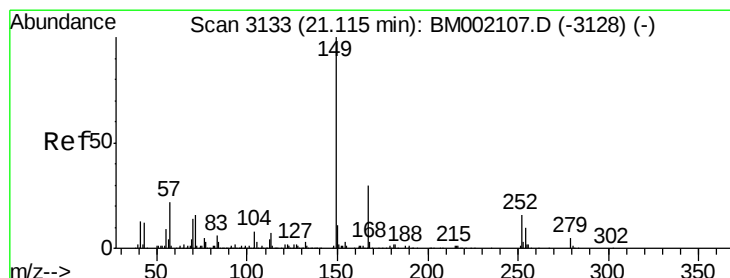
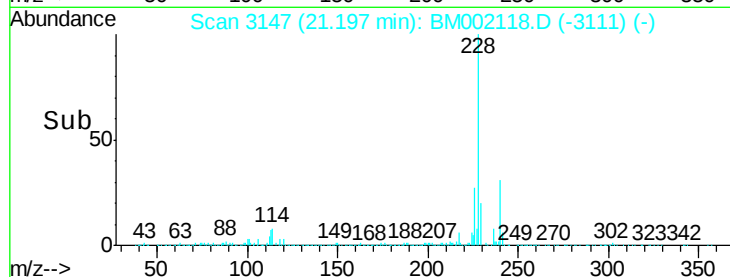
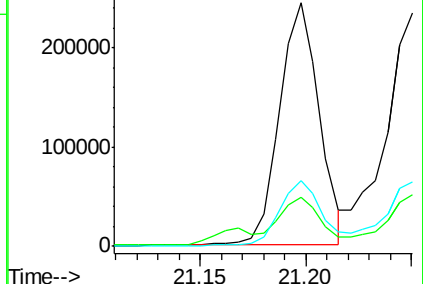
226 27.1 20.5 30.7



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.72 ng/ul

RT: 21.12 min Scan# 3134

Delta R.T. 0.01 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

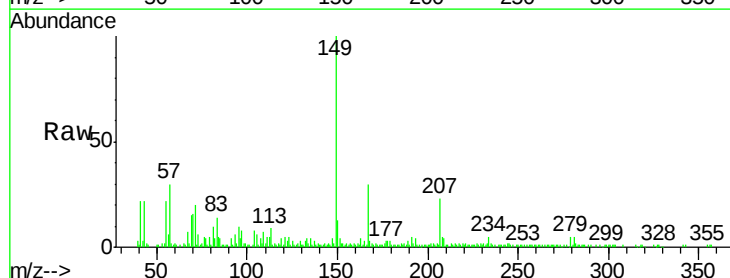
Tgt Ion:149 Resp: 75760

Ion Ratio Lower Upper

149 100

167 29.6 23.6 35.4

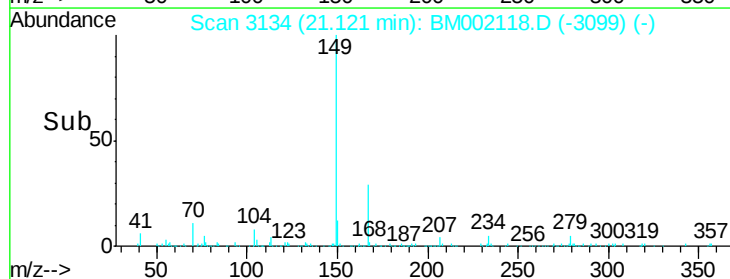
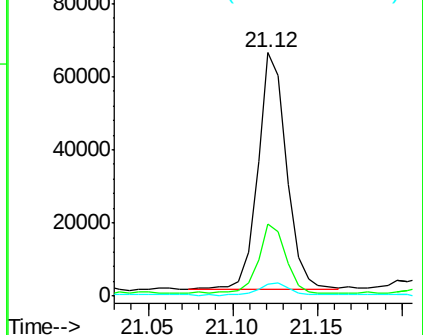
279 4.9 4.2 6.4

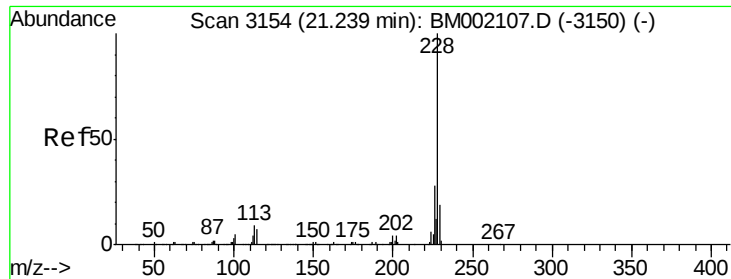


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 12.41 ng/ul

RT: 21.25 min Scan# 3156

Delta R.T. 0.01 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

Instrument :

BNA_M

ClientSampleId :

C02F1

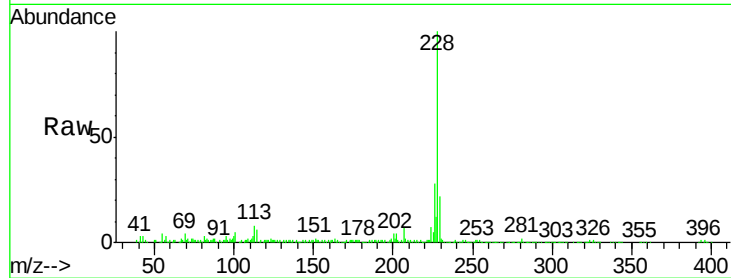
Tgt Ion:228 Resp: 324306

Ion Ratio Lower Upper

228 100

226 27.7 22.3 33.5

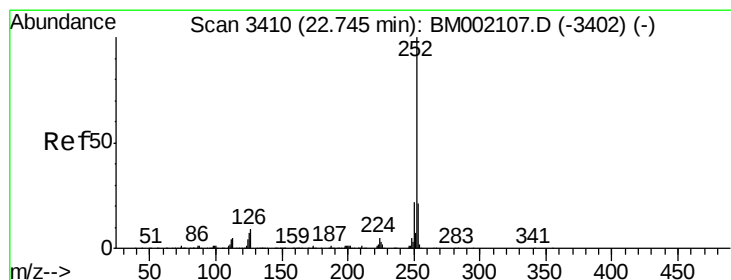
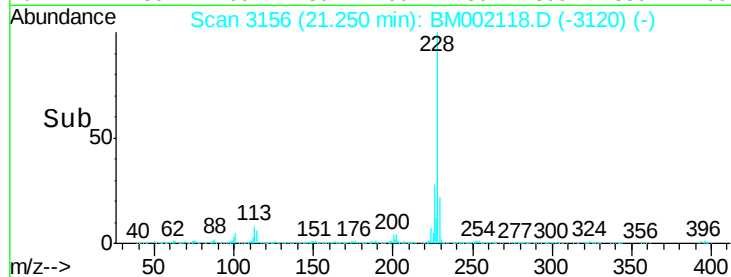
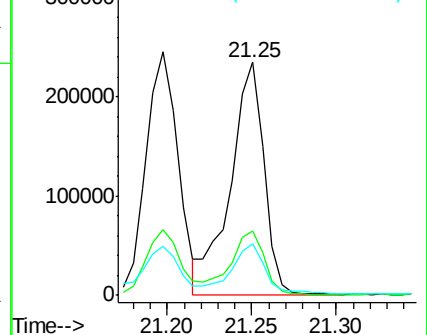
229 22.0 15.5 23.3



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: 15.22 ng/ul

RT: 22.76 min Scan# 3412

Delta R.T. 0.01 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

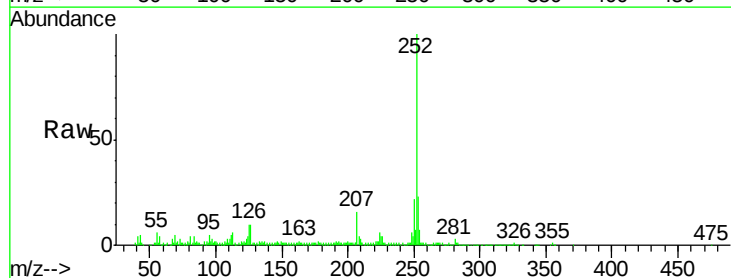
Tgt Ion:252 Resp: 439591

Ion Ratio Lower Upper

252 100

253 22.7 16.9 25.3

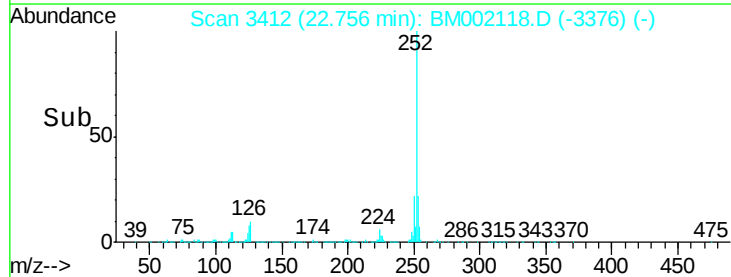
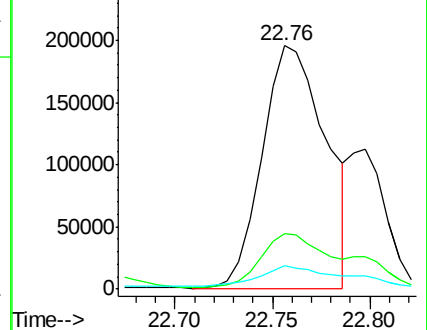
125 9.5 6.2 9.2#

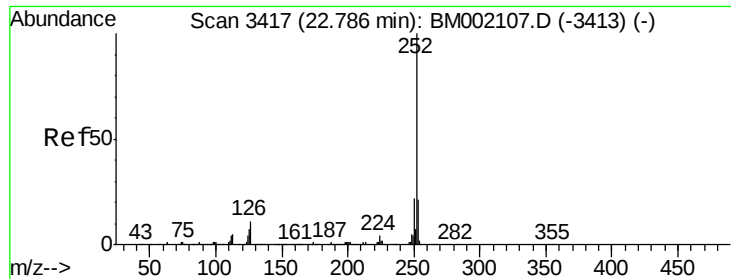


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.51 ng/ul

RT: 22.76 min Scan# 3412

Delta R.T. -0.03 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

Instrument :

BNA_M

ClientSampleId :

C02F1

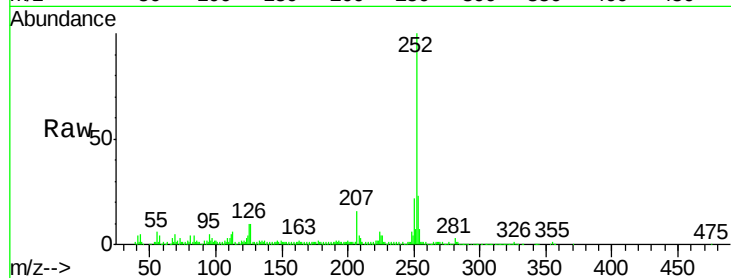
Tgt Ion:252 Resp: 125795

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

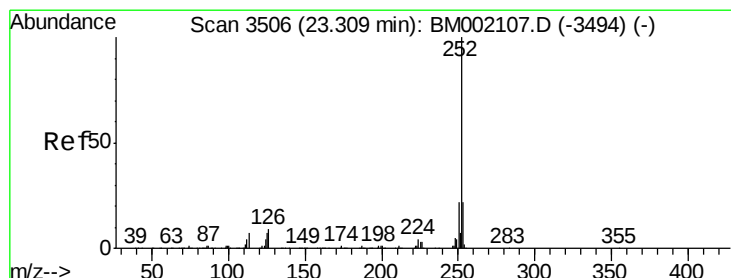
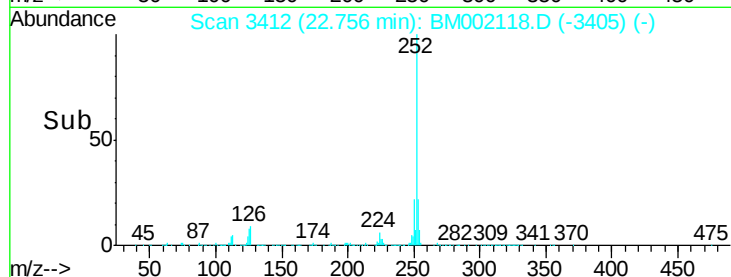
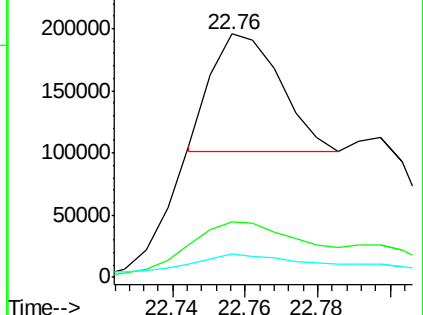
125 9.5 6.2 9.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(a)pyrene

Concen: 10.49 ng/ul

RT: 23.32 min Scan# 3508

Delta R.T. 0.01 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

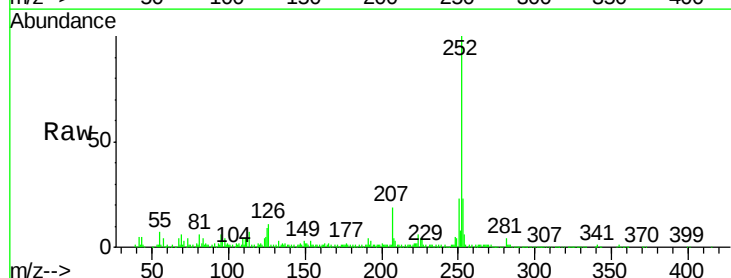
Tgt Ion:252 Resp: 292420

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

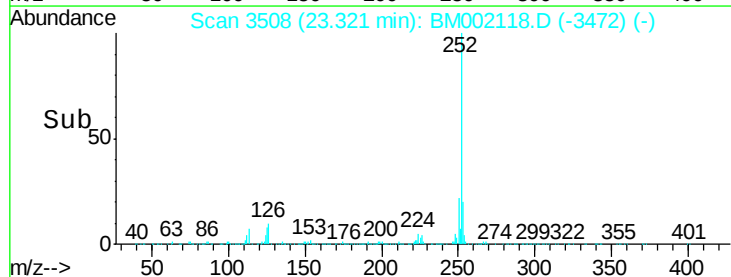
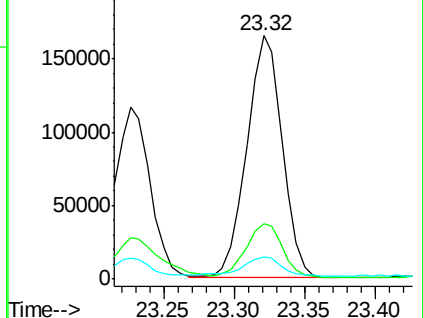
125 9.2 6.6 10.0

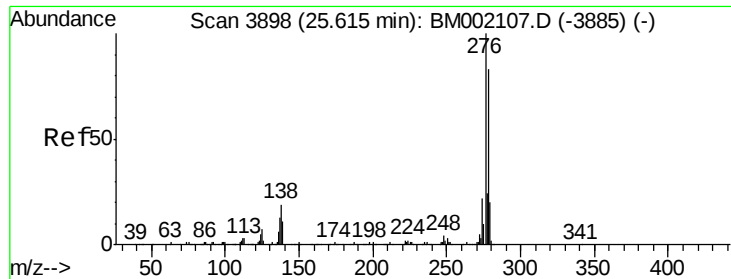


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

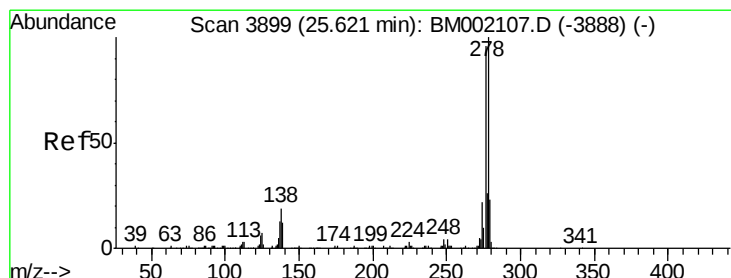
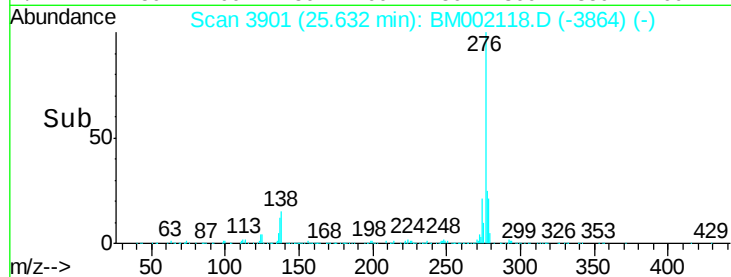
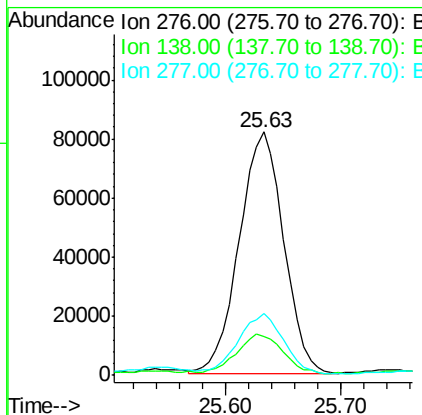
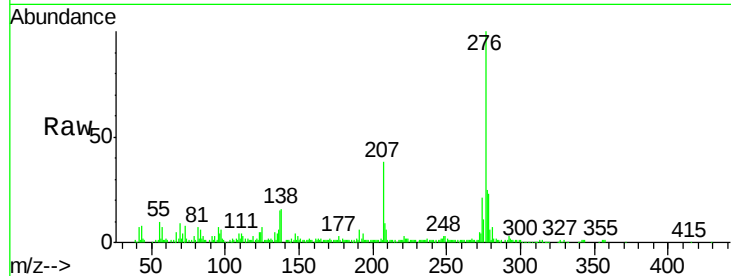




#92
 Indeno(1,2,3-cd)pyrene
 Concen: 6.81 ng/ul
 RT: 25.63 min Scan# 3901
 Delta R.T. 0.02 min
 Lab File: BM002118.D
 Acq: 29 Jul 2015 06:29

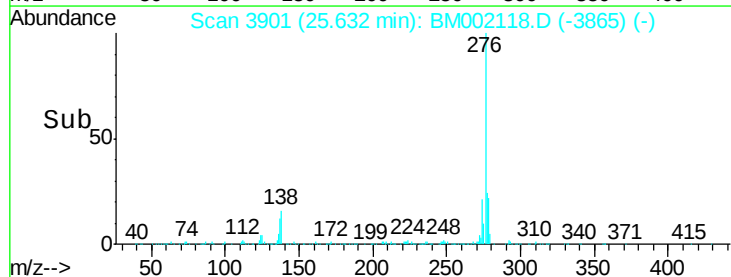
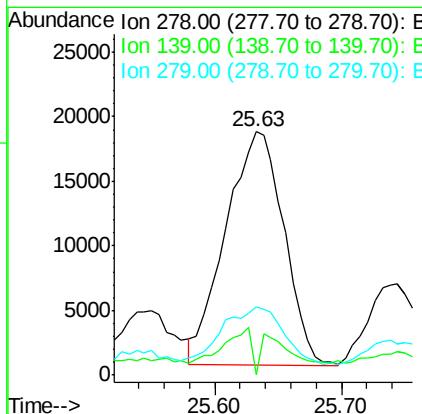
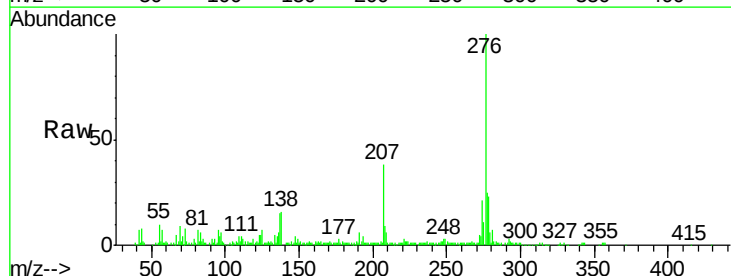
Instrument :
 BNA_M
 ClientSampleId :
 C02F1

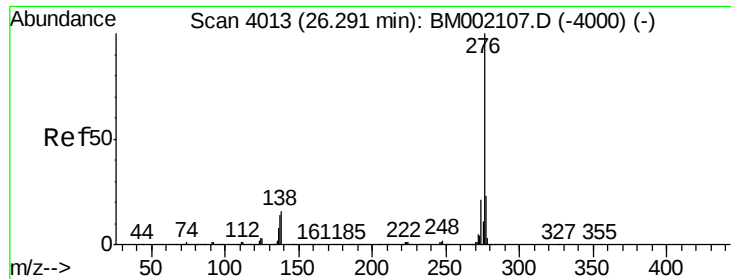
Tgt Ion:276 Resp: 218643
 Ion Ratio Lower Upper
 276 100
 138 16.2 16.2 24.2
 277 25.2 19.8 29.8



#93
 Dibenzo(a,h)anthracene
 Concen: 2.10 ng/ul
 RT: 25.63 min Scan# 3901
 Delta R.T. 0.01 min
 Lab File: BM002118.D
 Acq: 29 Jul 2015 06:29

Tgt Ion:278 Resp: 57719
 Ion Ratio Lower Upper
 278 100
 139 0.0 10.6 16.0#
 279 28.1 18.5 27.7#





#94

Benzo(g,h,i)perylene

Concen: 7.17 ng/ul

RT: 26.31 min Scan# 4016

Delta R.T. 0.02 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

Instrument :

BNA_M

ClientSampleId :

C02F1

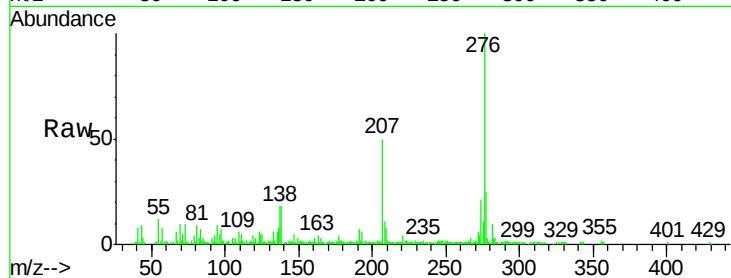
Tgt Ion:276 Resp: 192962

Ion Ratio Lower Upper

276 100

138 17.7 13.8 20.6

277 24.6 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

