

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072815\
 Data File : BM002117.D
 Acq On : 29 Jul 2015 05:53
 Operator : TP/UM
 Sample : G3030-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02E6

Quant Time: Jul 29 06:41:03 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	65173	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	262881	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	156394	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	356816	20.00	ng/ul	0.00
78) Chrysene-d12	21.21	240	408789	20.00	ng/ul	0.00
86) Perylene-d12	23.42	264	421449	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	3628	2.88	ng/uL	0.00
5) Phenol-d5	6.78	99	82246	17.65	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.94	67	42887	16.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	69667	17.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	62510	16.88	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	31312	16.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.48	143	29928	14.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	72254	18.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	68760	15.65	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	208255	18.18	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	239424	16.71	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	25766	13.48	ng/ul	0.01
58) Fluorene-d10	15.26	176	165671	16.44	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	3274	1.50	ng/ul	0.00
71) Anthracene-d10	17.11	188	263053	16.52	ng/ul	0.00
79) Pyrene-d10	19.42	212	268768	15.62	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.27	264	285230	13.96	ng/ul	0.01

Target Compounds

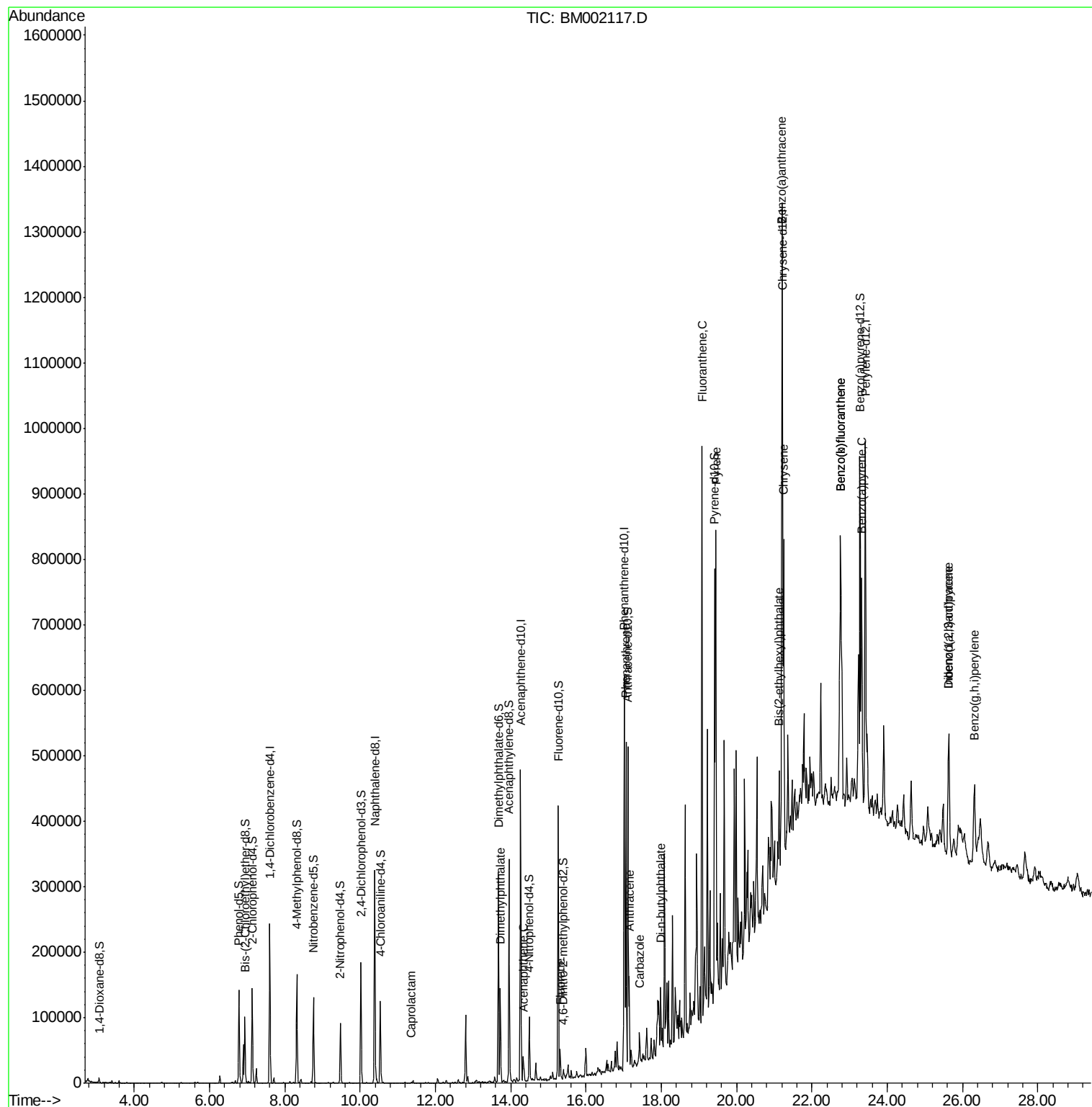
						Qvalue
32) Caprolactam	11.36	113	1234	1.14	ng/ul#	1
45) Dimethylphthalate	13.72	163	89701	7.84	ng/ul	99
50) Acenaphthene	14.33	153	16302	1.68	ng/ul	95
59) Fluorene	15.32	166	21908	1.91	ng/ul	98
70) Phenanthrene	17.06	178	304100	16.45	ng/ul	99
72) Anthracene	17.15	178	89212	4.72	ng/ul	98
75) Carbazole	17.42	167	24247	1.50	ng/ul	98
76) Di-n-butylphthalate	17.98	149	60123	3.12	ng/ul	97
77) Fluoranthene	19.08	202	542073	25.40	ng/ul	99
80) Pyrene	19.44	202	449058	20.19	ng/ul	100
83) Benzo(a)anthracene	21.20	228	262848	11.60	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.12	149	59430	4.57	ng/ul	98
85) Chrysene	21.24	228	261774	12.35	ng/ul	98
88) Benzo(b)fluoranthene	22.76	252	367141	15.50	ng/ul#	96
89) Benzo(k)fluoranthene	22.76	252	185683	8.13	ng/ul#	97
91) Benzo(a)pyrene	23.32	252	236458	10.34	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.63	276	177154	6.73	ng/ul	96
93) Dibenzo(a,h)anthracene	25.64	278	47788	2.12	ng/ul#	88
94) Benzo(g,h,i)perylene	26.31	276	158583	7.18	ng/ul	97

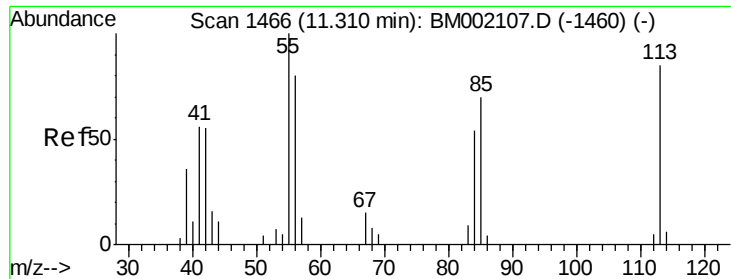
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#32

Caprolactam

Concen: 1.14 ng/ul

RT: 11.36 min Scan# 1474

Delta R.T. 0.05 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

Instrument :

BNA_M

ClientSampled :

C02E6

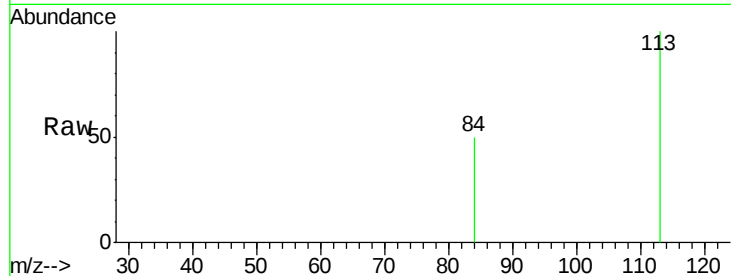
Tgt Ion:113 Resp: 1234

Ion Ratio Lower Upper

113 100

55 0.0 101.0 151.6#

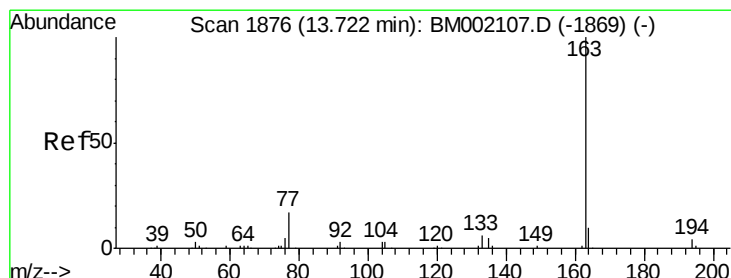
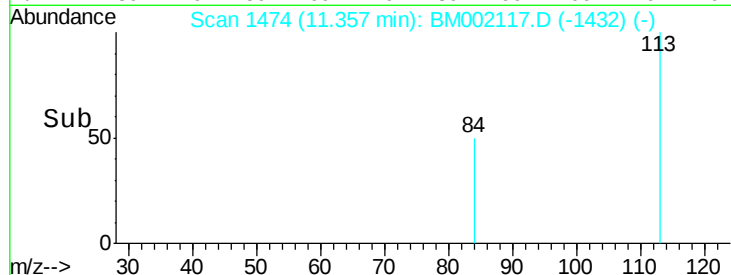
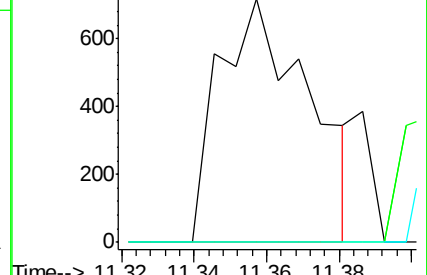
56 0.0 79.0 118.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#45

Dimethylphthalate

Concen: 7.84 ng/ul

RT: 13.72 min Scan# 1876

Delta R.T. 0.00 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

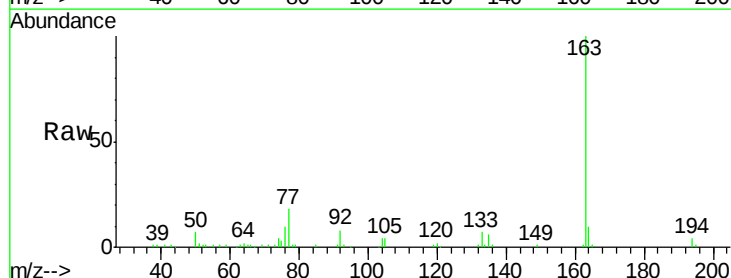
Tgt Ion:163 Resp: 89701

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

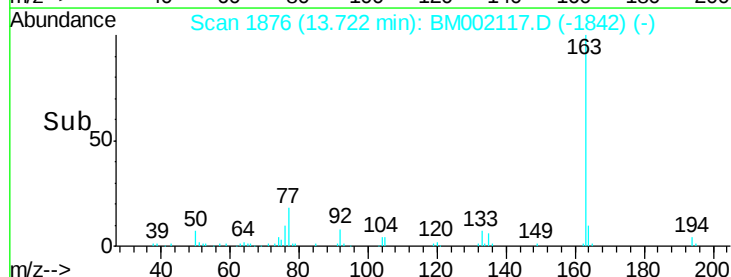
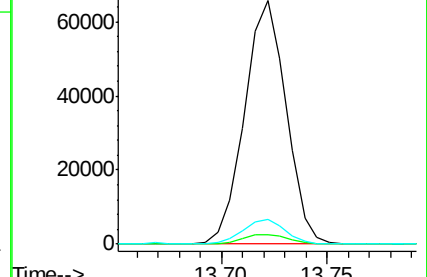
164 10.2 8.0 12.0

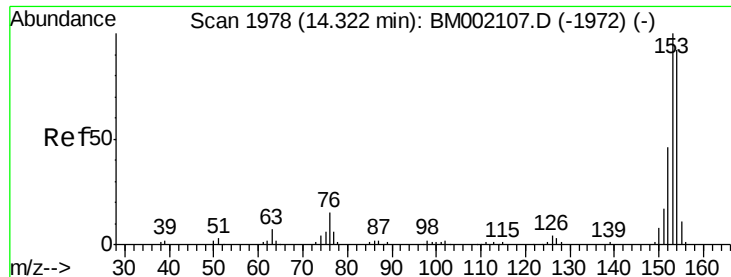


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 1.68 ng/ul

RT: 14.33 min Scan# 1979

Delta R.T. 0.01 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

Instrument :

BNA_M

ClientSampleId :

C02E6

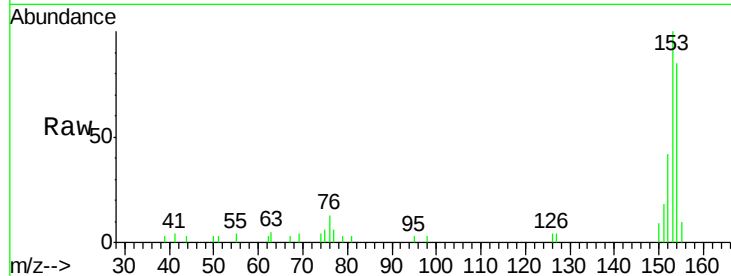
Tgt Ion:153 Resp: 16302

Ion Ratio Lower Upper

153 100

152 41.9 37.3 55.9

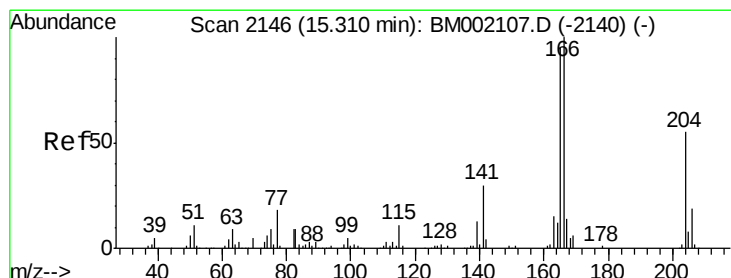
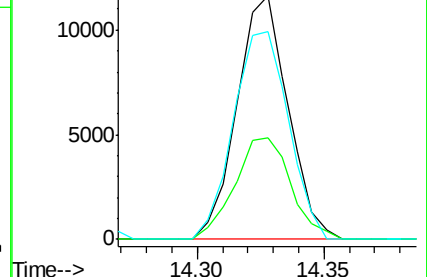
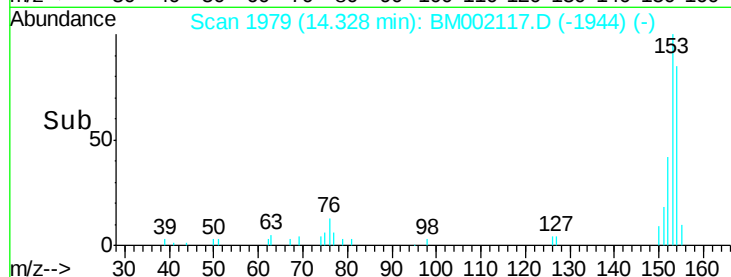
154 85.2 71.4 107.2



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: 1.91 ng/ul

RT: 15.32 min Scan# 2147

Delta R.T. 0.01 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

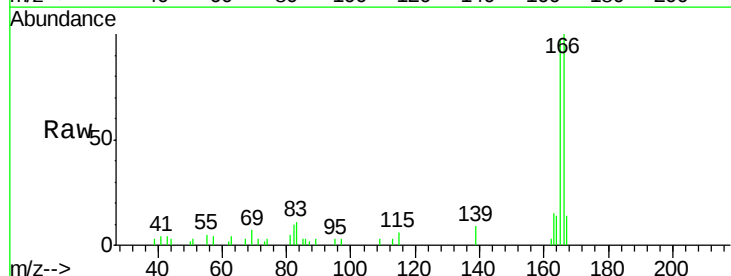
Tgt Ion:166 Resp: 21908

Ion Ratio Lower Upper

166 100

165 96.6 75.6 113.4

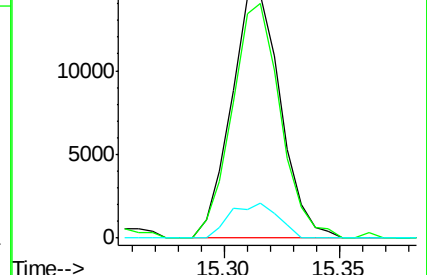
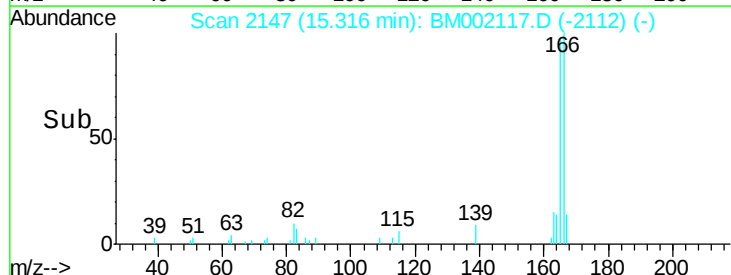
167 14.5 10.5 15.7

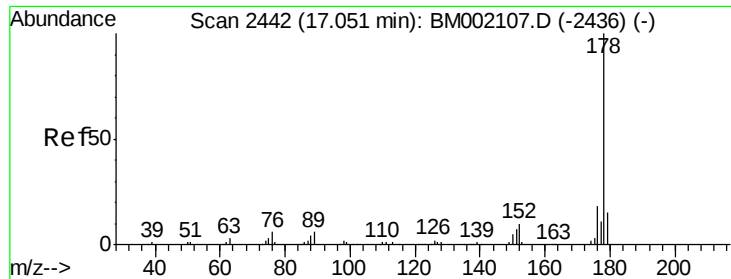


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

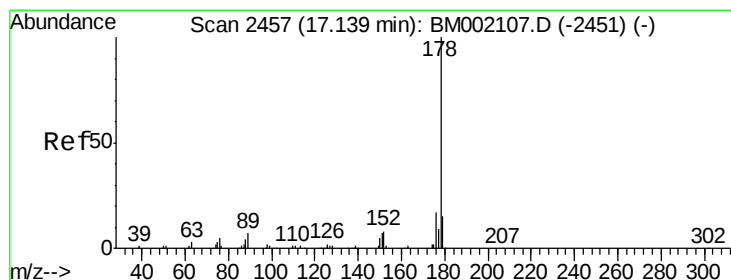
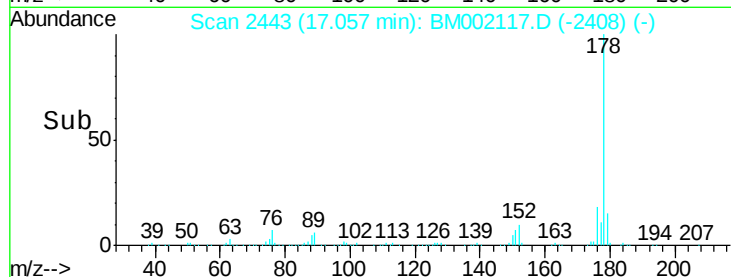
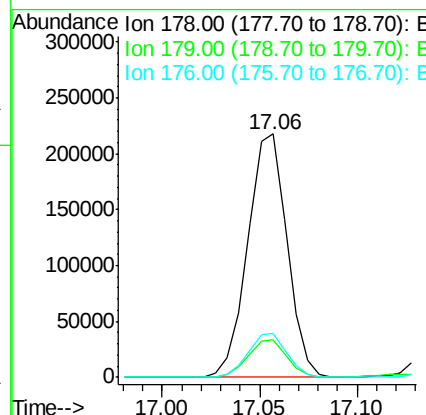
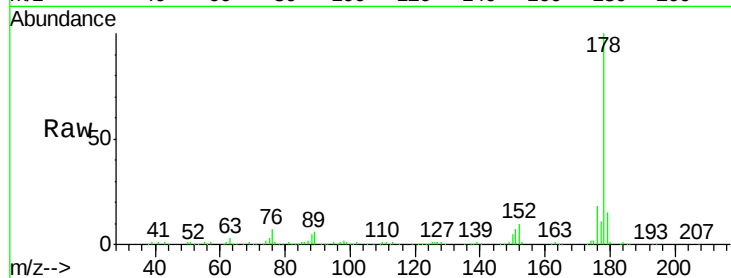




#70
 Phenanthrene
 Concen: 16.45 ng/ul
 RT: 17.06 min Scan# 2443
 Delta R.T. 0.01 min
 Lab File: BM002117.D
 Acq: 29 Jul 2015 05:53

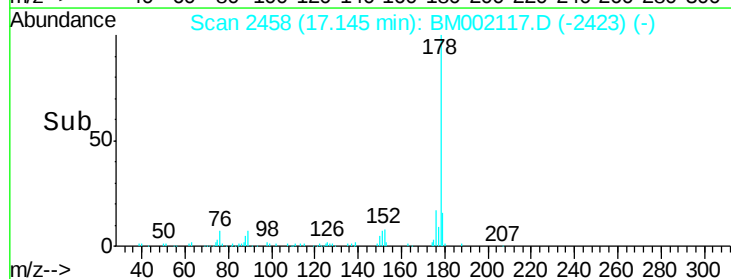
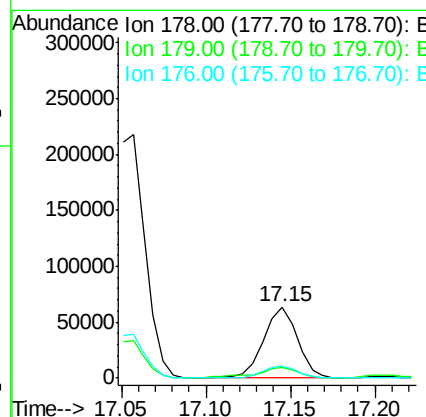
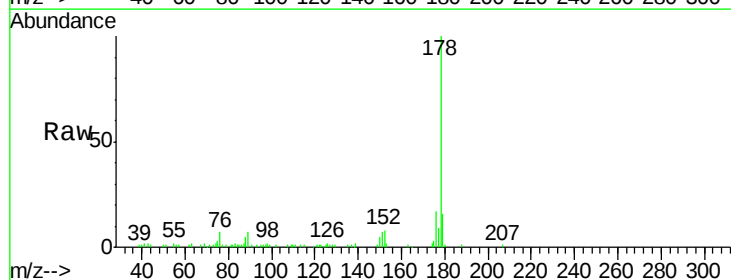
Instrument :
 BNA_M
 ClientSampleId :
 C02E6

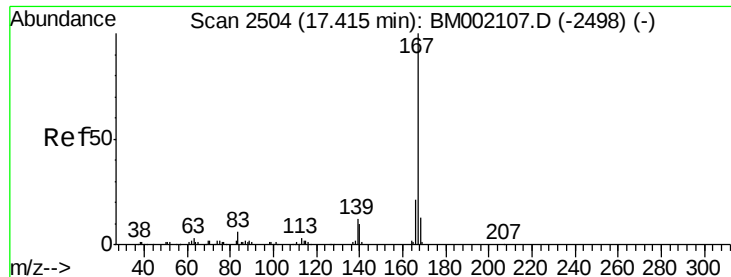
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.5	18.7
176	18.3	14.2	21.4



#72
 Anthracene
 Concen: 4.72 ng/ul
 RT: 17.15 min Scan# 2458
 Delta R.T. 0.01 min
 Lab File: BM002117.D
 Acq: 29 Jul 2015 05:53

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.1	18.1
176	16.8	14.1	21.1

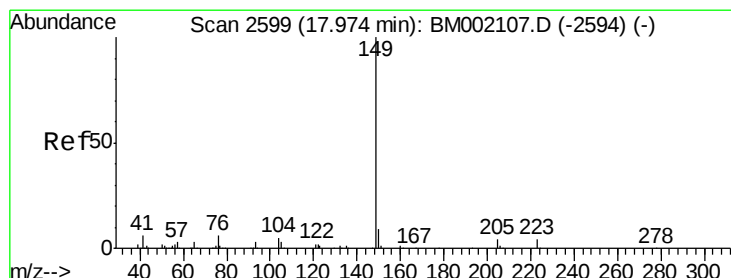
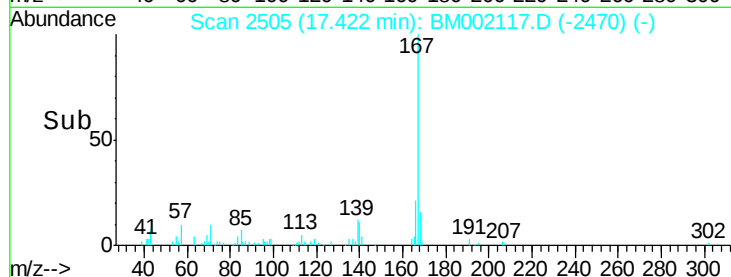
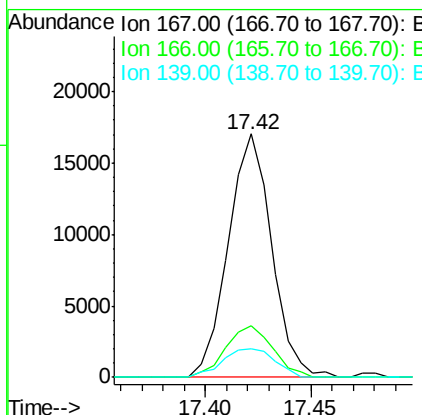
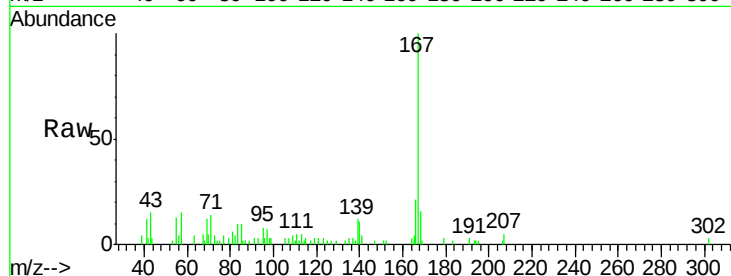




#75
 Carbazole
 Concen: 1.50 ng/ul
 RT: 17.42 min Scan# 2505
 Delta R.T. 0.01 min
 Lab File: BM002117.D
 Acq: 29 Jul 2015 05:53

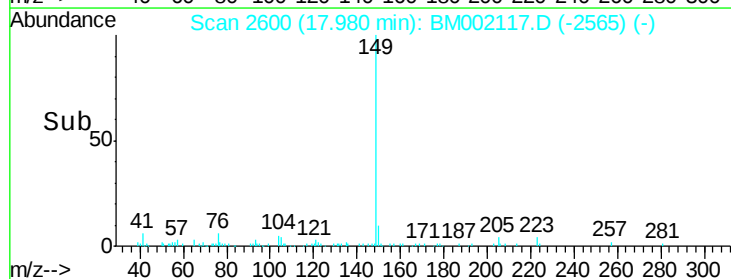
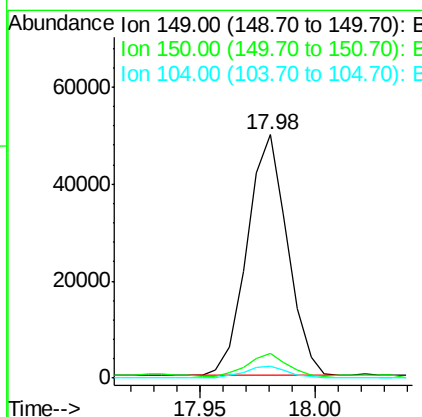
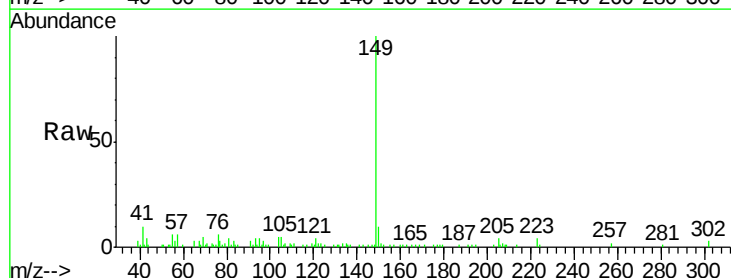
Instrument :
 BNA_M
 ClientSampleId :
 C02E6

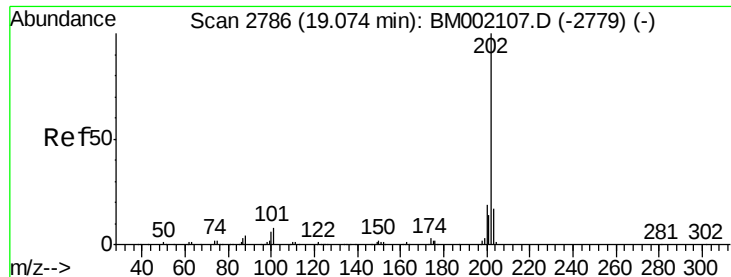
Tgt Ion:167 Resp: 24247
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.2 24.4
 139 11.8 9.6 14.4



#76
 Di-n-butylphthalate
 Concen: 3.12 ng/ul
 RT: 17.98 min Scan# 2600
 Delta R.T. 0.01 min
 Lab File: BM002117.D
 Acq: 29 Jul 2015 05:53

Tgt Ion:149 Resp: 60123
 Ion Ratio Lower Upper
 149 100
 150 10.2 7.0 10.4
 104 4.8 4.2 6.2





#77

Fluoranthene

Concen: 25.40 ng/ul

RT: 19.08 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

Instrument :

BNA_M

ClientSampleId :

C02E6

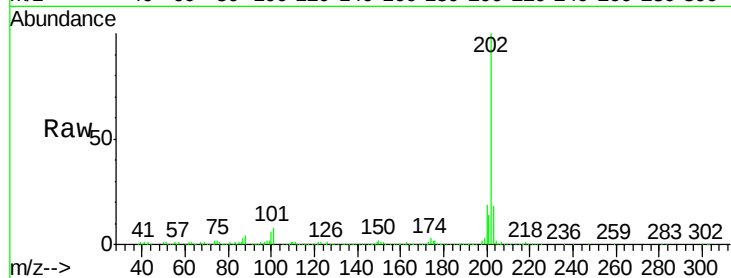
Tgt Ion:202 Resp: 542073

Ion Ratio Lower Upper

202 100

101 7.9 6.2 9.4

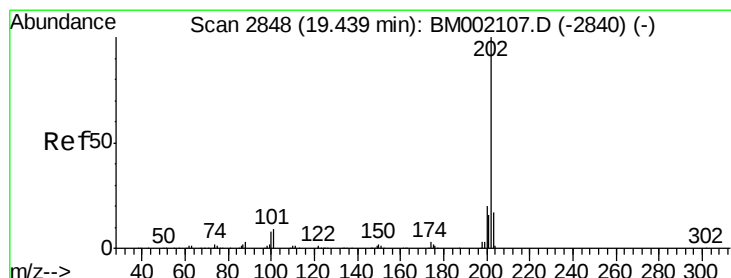
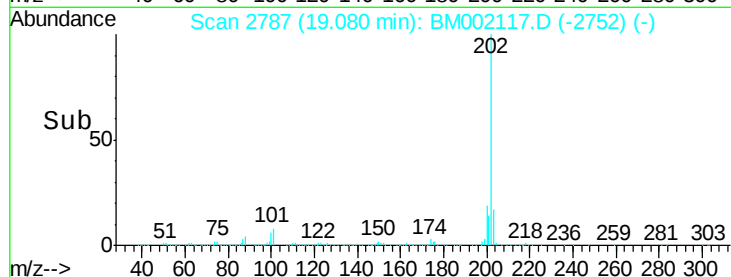
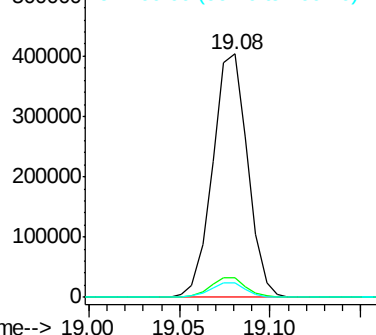
100 6.0 5.2 7.8



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: 20.19 ng/ul

RT: 19.44 min Scan# 2849

Delta R.T. 0.01 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

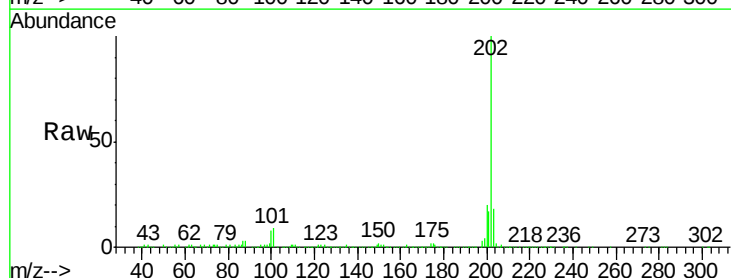
Tgt Ion:202 Resp: 449058

Ion Ratio Lower Upper

202 100

101 9.5 7.4 11.2

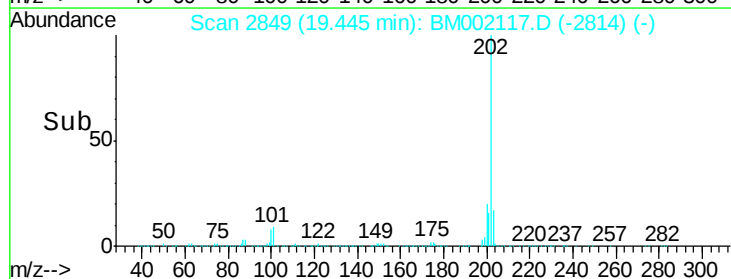
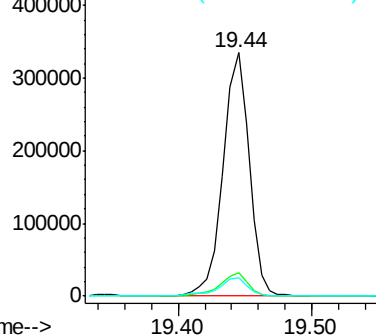
100 7.8 6.3 9.5

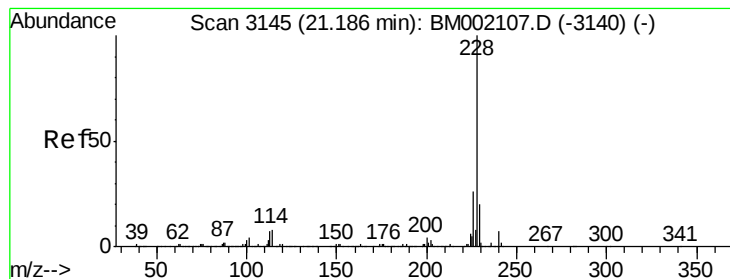


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 11.60 ng/ul

RT: 21.20 min Scan# 3147

Delta R.T. 0.01 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

Instrument :

BNA_M

ClientSampleId :

C02E6

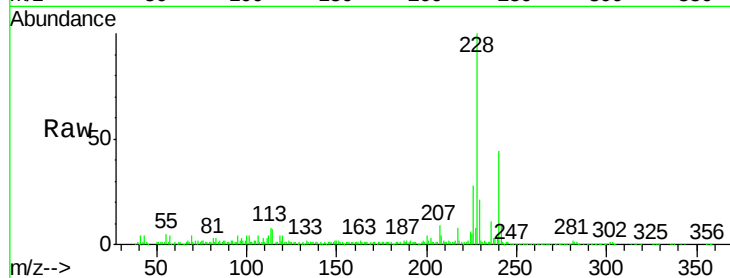
Tgt Ion:228 Resp: 262848

Ion Ratio Lower Upper

228 100

229 20.8 15.4 23.2

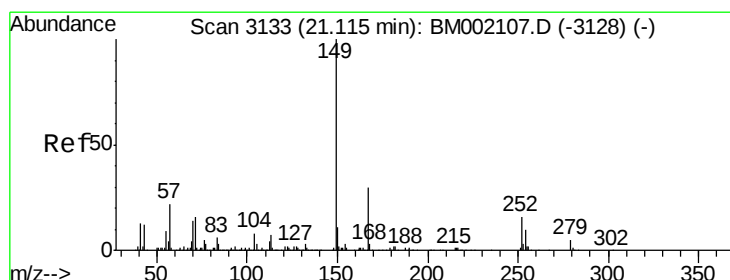
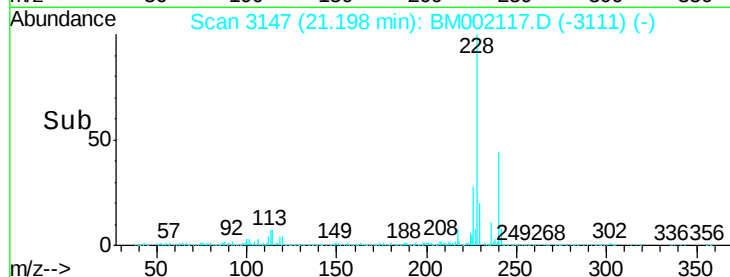
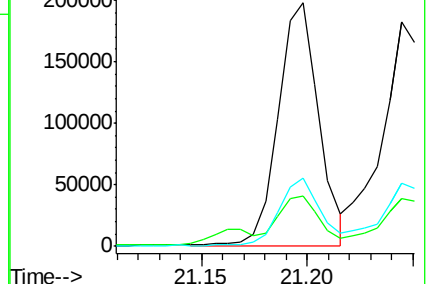
226 28.0 20.5 30.7



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: 4.57 ng/ul

RT: 21.12 min Scan# 3134

Delta R.T. 0.01 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

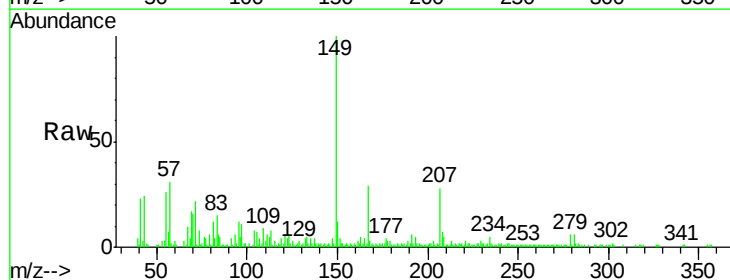
Tgt Ion:149 Resp: 59430

Ion Ratio Lower Upper

149 100

167 28.5 23.6 35.4

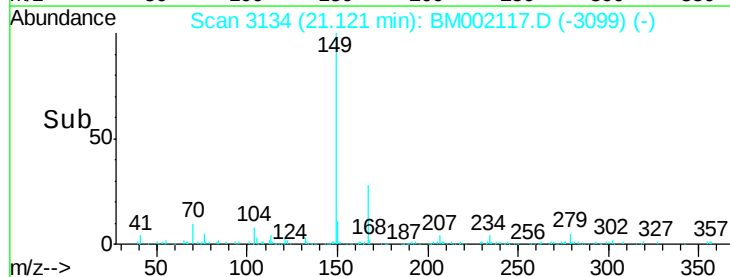
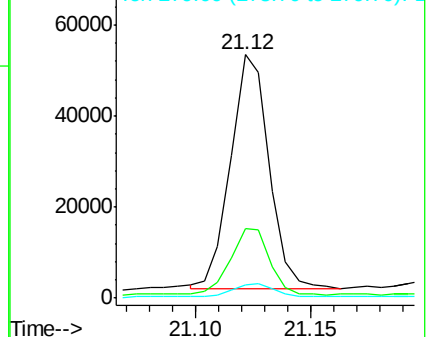
279 5.6 4.2 6.4

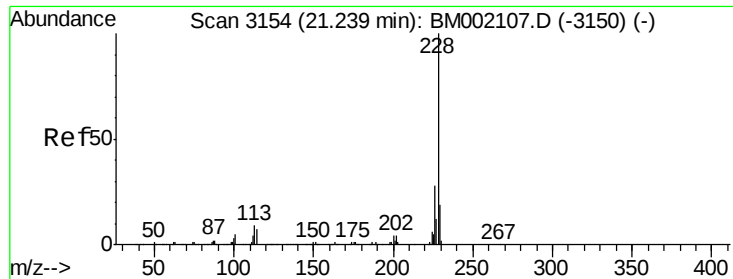


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 12.35 ng/ul

RT: 21.24 min Scan# 3155

Delta R.T. 0.01 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

Instrument :

BNA_M

ClientSampleId :

C02E6

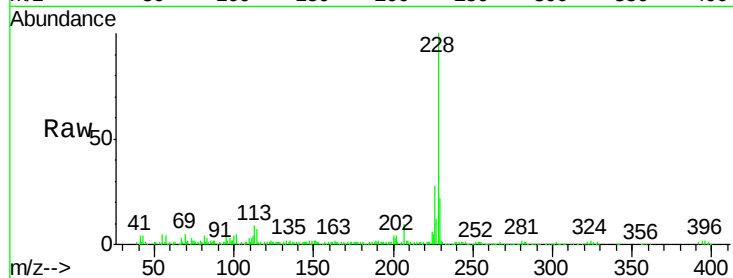
Tgt Ion:228 Resp: 261774

Ion Ratio Lower Upper

228 100

226 28.3 22.3 33.5

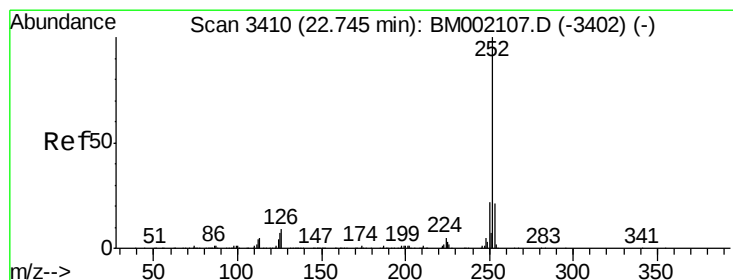
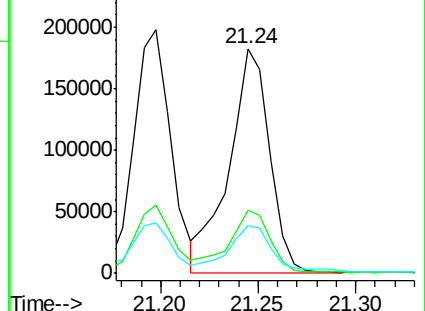
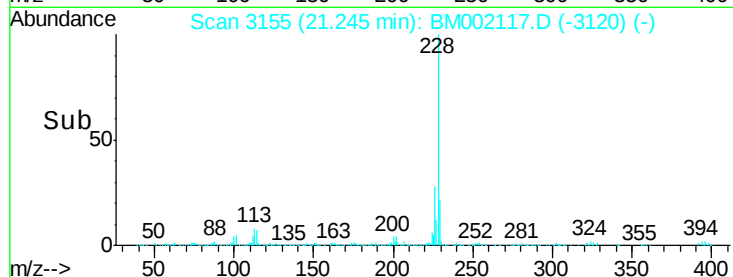
229 21.5 15.5 23.3



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: 15.50 ng/ul

RT: 22.76 min Scan# 3412

Delta R.T. 0.01 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

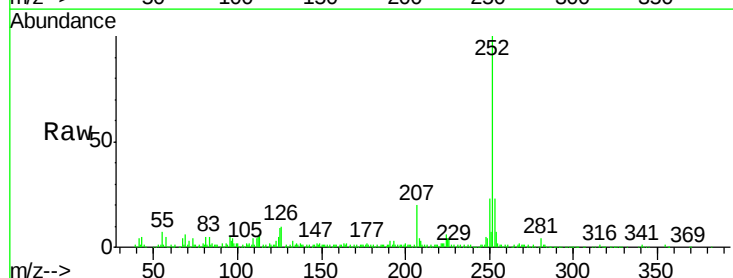
Tgt Ion:252 Resp: 367141

Ion Ratio Lower Upper

252 100

253 23.0 16.9 25.3

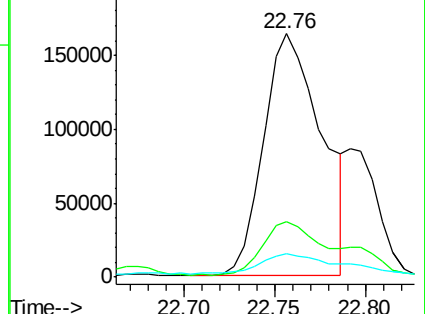
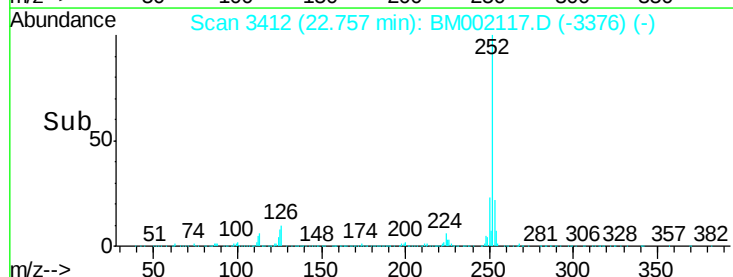
125 9.5 6.2 9.2#

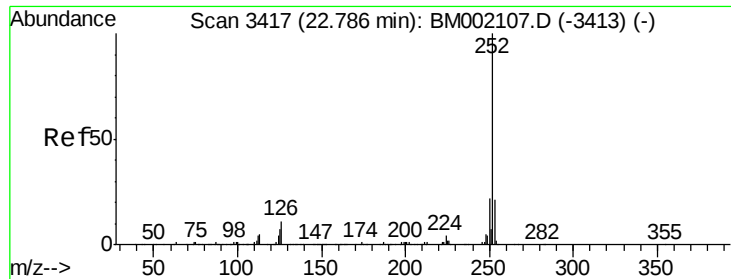


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

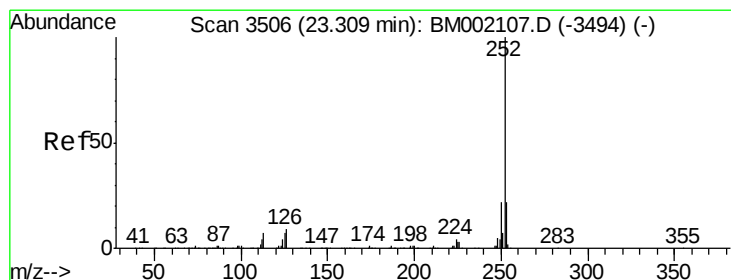
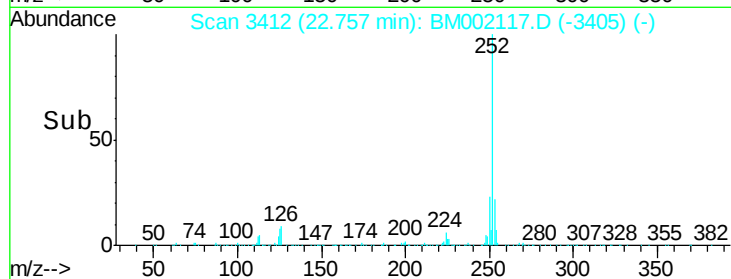
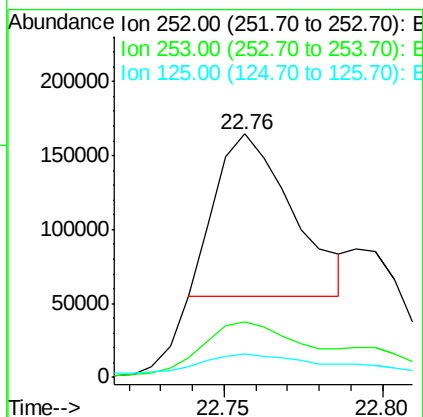
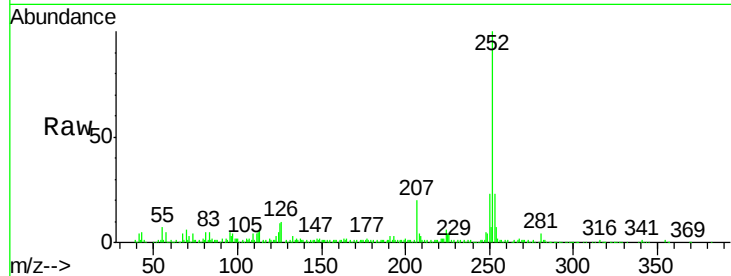




#89
Benzo(k)fluoranthene
Concen: 8.13 ng/u1
RT: 22.76 min Scan# 3412
Delta R.T. -0.03 min
Lab File: BM002117.D
Acq: 29 Jul 2015 05:53

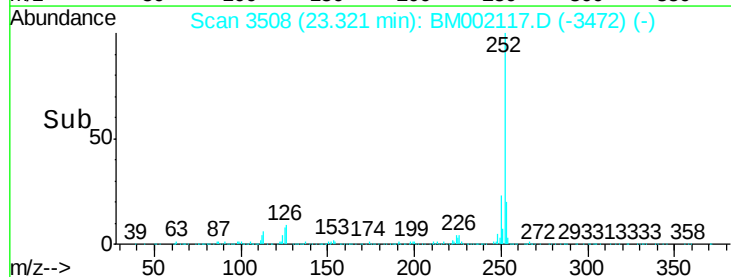
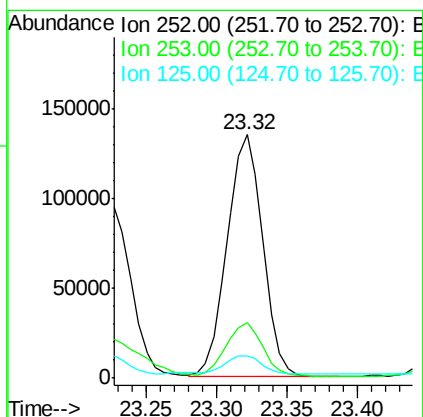
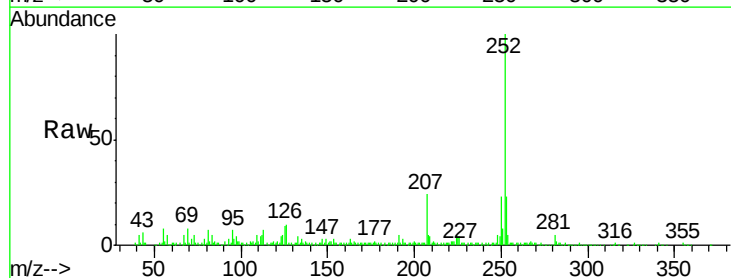
Instrument :
BNA_M
ClientSampleId :
C02E6

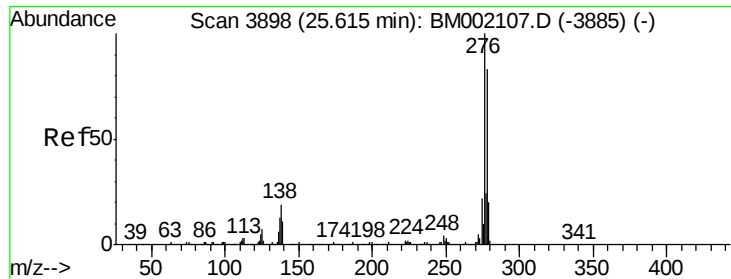
Tgt Ion:252 Resp: 185683
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 9.5 6.2 9.4#



#91
Benzo(a)pyrene
Concen: 10.34 ng/u1
RT: 23.32 min Scan# 3508
Delta R.T. 0.01 min
Lab File: BM002117.D
Acq: 29 Jul 2015 05:53

Tgt Ion:252 Resp: 236458
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 9.2 6.6 10.0

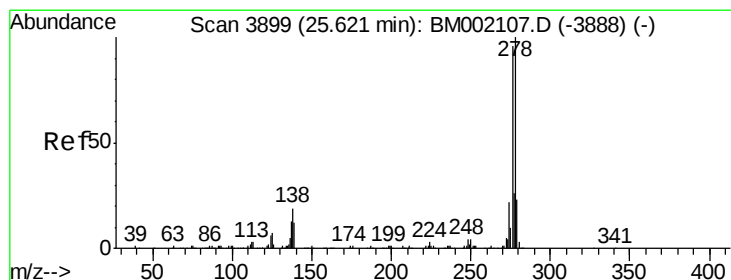
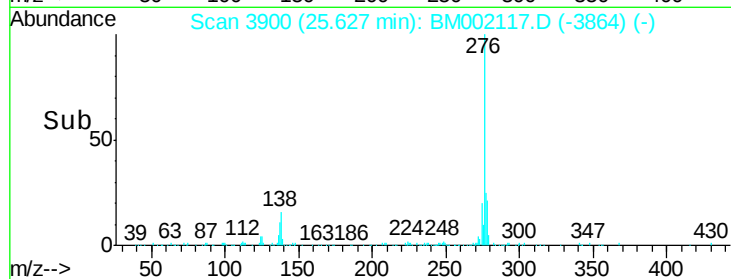
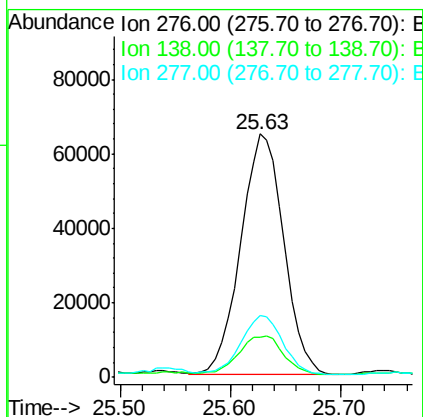
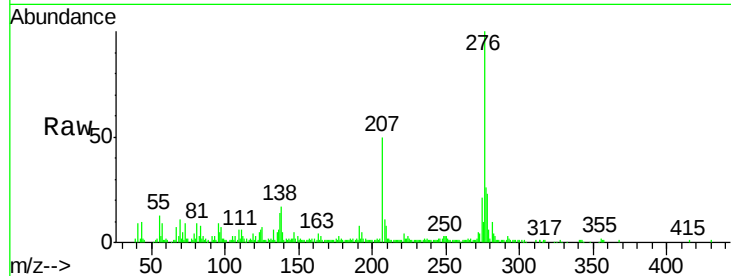




#92
 Indeno(1,2,3-cd)pyrene
 Concen: 6.73 ng/ul
 RT: 25.63 min Scan# 3900
 Delta R.T. 0.01 min
 Lab File: BM002117.D
 Acq: 29 Jul 2015 05:53

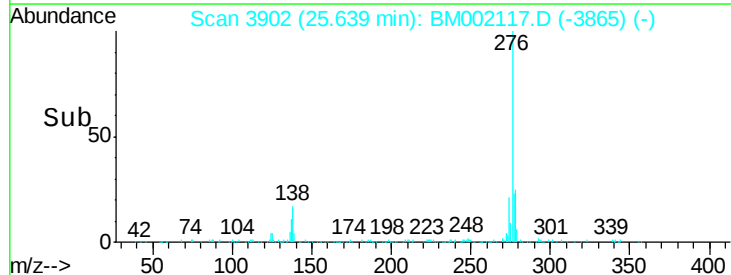
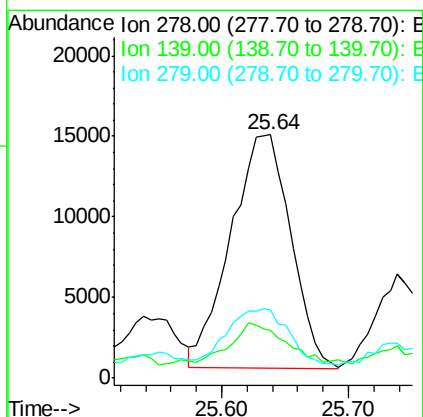
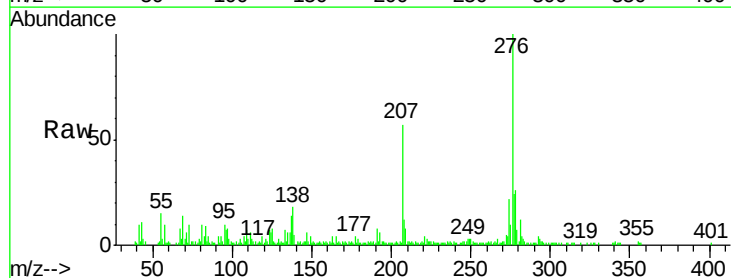
Instrument :
 BNA_M
 ClientSampleId :
 C02E6

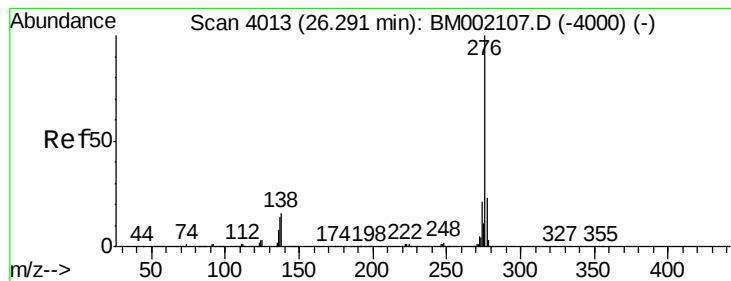
Tgt Ion:276 Resp: 177154
 Ion Ratio Lower Upper
 276 100
 138 16.6 16.2 24.2
 277 25.5 19.8 29.8



#93
 Dibenzo(a,h)anthracene
 Concen: 2.12 ng/ul
 RT: 25.64 min Scan# 3902
 Delta R.T. 0.02 min
 Lab File: BM002117.D
 Acq: 29 Jul 2015 05:53

Tgt Ion:278 Resp: 47788
 Ion Ratio Lower Upper
 278 100
 139 19.5 10.6 16.0#
 279 28.1 18.5 27.7#





#94

Benzo(g,h,i)perylene

Concen: 7.18 ng/ul

RT: 26.31 min Scan# 4016

Delta R.T. 0.02 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

Instrument :

BNA_M

ClientSampleId :

C02E6

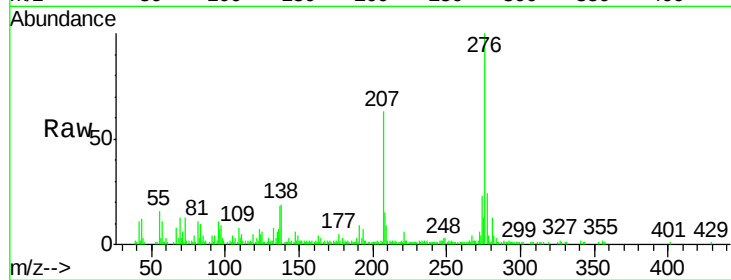
Tgt Ion: 276 Resp: 158583

Ion Ratio Lower Upper

276 100

138 18.9 13.8 20.6

277 23.7 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

