

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
 Data File : BM004212.D
 Acq On : 08 Feb 2016 22:58
 Operator : SJ/IZ
 Sample : H1340-16DL 25X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C04P4DL

Quant Time: Feb 09 01:41:06 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 09 01:37:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	30171	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	150448	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	92725	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	212928	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	246569	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	219542	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.84	99	2798	0.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	1407	0.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	2415	1.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	1949	0.77	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	888	0.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	886	0.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	2375	1.03	ng/ul	0.01
29) 4-Chloroaniline-d4	10.60	131	2123	0.73	ng/ul	0.01
44) Dimethylphthalate-d6	13.72	166	9422	1.18	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	11351	1.22	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.31	176	9762	1.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.17	188	14757	1.42	ng/ul	0.00
79) Pyrene-d10	19.47	212	17069	1.55	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	17093	1.49	ng/ul	0.00

Target Compounds

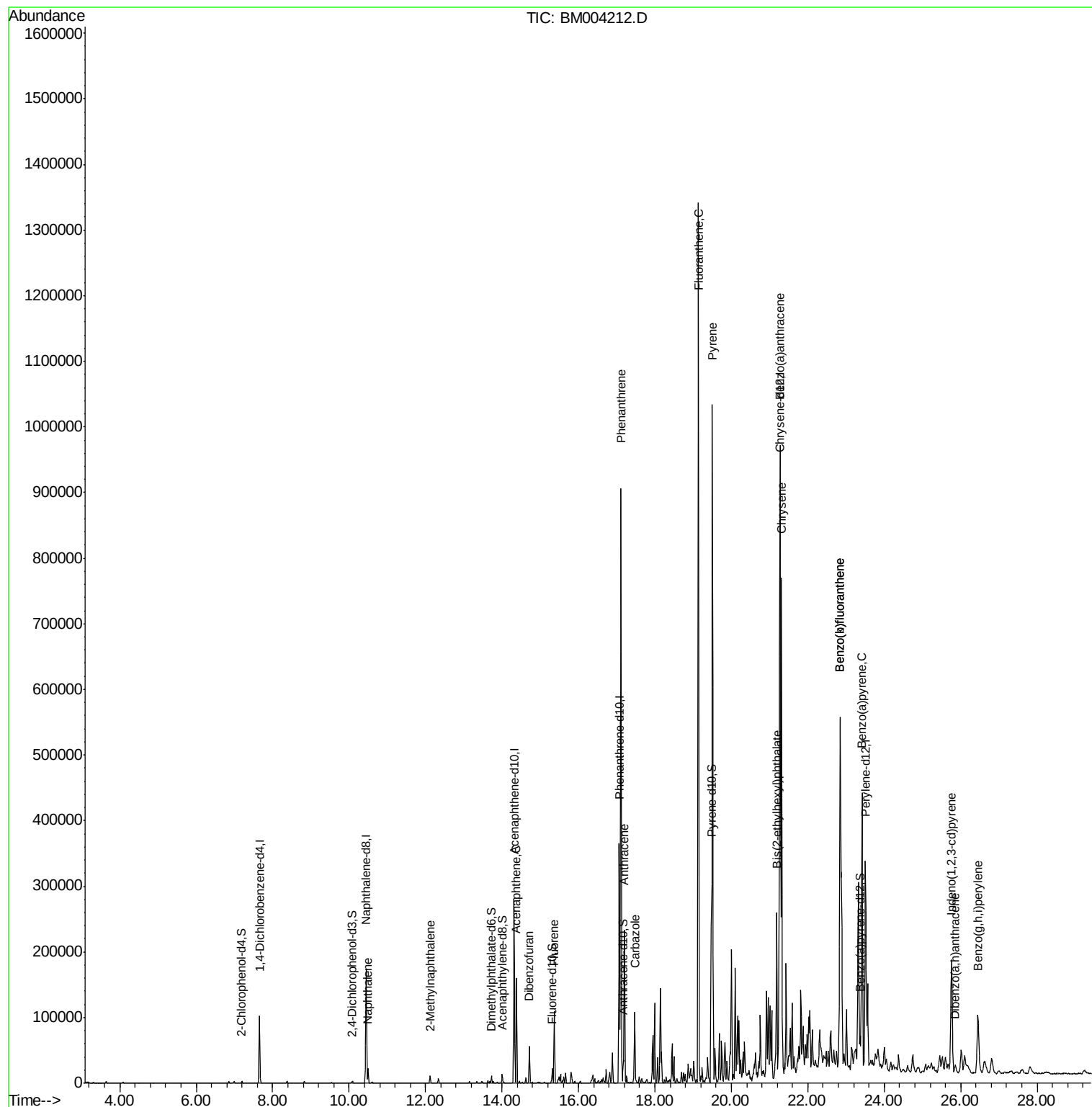
						Qvalue
28) Naphthalene	10.49	128	20370	2.40	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	6952	1.09	ng/ul	95
50) Acenaphthene	14.38	153	65781	9.46	ng/ul	97
54) Dibenzofuran	14.72	168	37708	3.82	ng/ul	99
59) Fluorene	15.37	166	50332	6.13	ng/ul	99
70) Phenanthrene	17.11	178	548411	42.20	ng/ul	99
72) Anthracene	17.20	178	150267	11.40	ng/ul	99
75) Carbazole	17.47	167	67322	5.61	ng/ul	99
77) Fluoranthene	19.14	202	813095	53.76	ng/ul	100
80) Pyrene	19.51	202	686068	45.25	ng/ul	98
83) Benzo(a)anthracene	21.26	228	420353	26.78	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.19	149	87899	9.05	ng/ul	99
85) Chrysene	21.32	228	387112	25.94	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	461245	32.91	ng/ul	99
89) Benzo(k)fluoranthene	22.84	252	353564	27.08	ng/ul	98
91) Benzo(a)pyrene	23.42	252	288714	21.33	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.76	276	153865	9.52	ng/ul#	93
93) Dibenzo(a,h)anthracene	25.87	278	16398	1.22	ng/ul	93
94) Benzo(g,h,i)perylene	26.45	276	108829	7.90	ng/ul	99

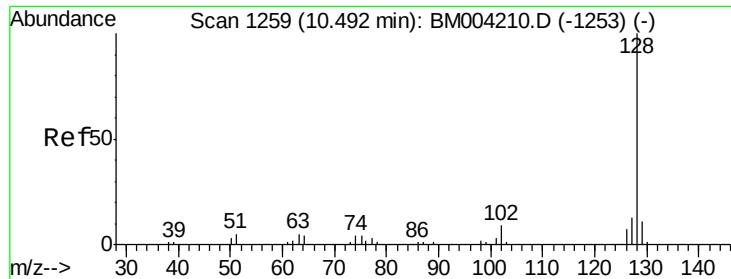
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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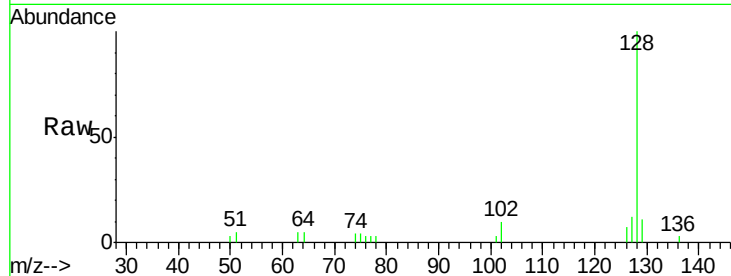




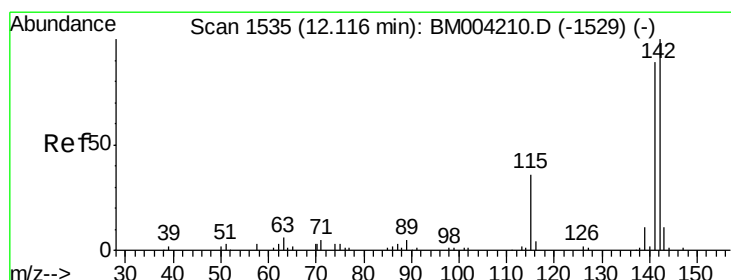
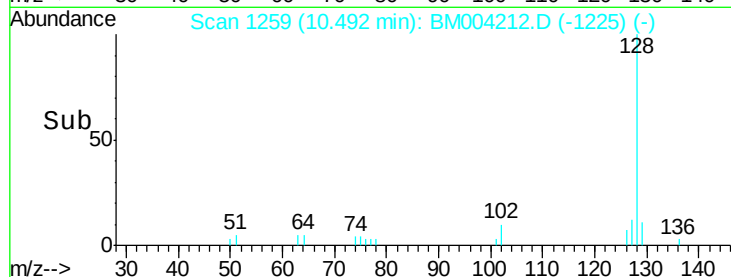
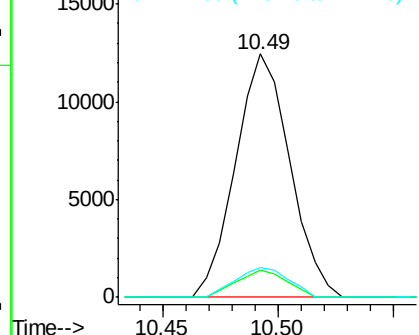
#28
Naphthalene
Concen: 2.40 ng/ul
RT: 10.49 min Scan# 1259
Delta R.T. 0.00 min
Lab File: BM004212.D
Acq: 08 Feb 2016 22:58

Instrument :
BNA_M
ClientSampleId :
C04P4DL

Tgt Ion:128 Resp: 20370
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.2 10.5 15.7

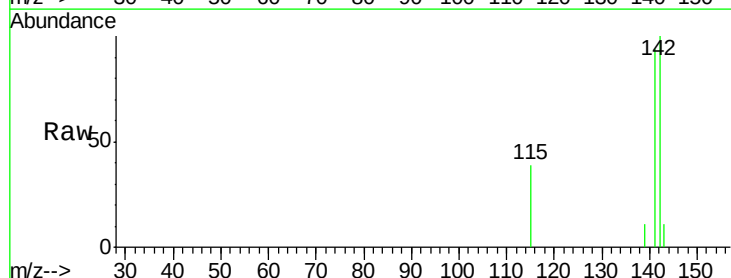


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

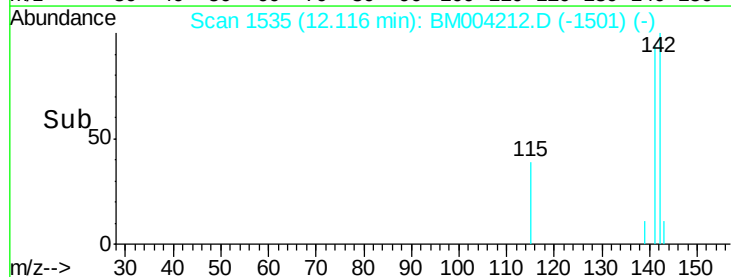
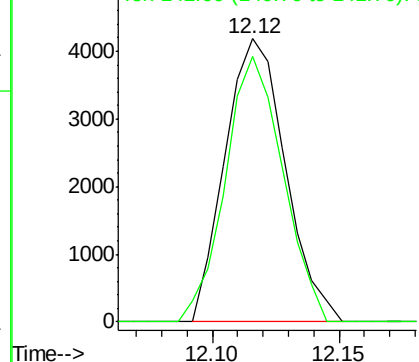


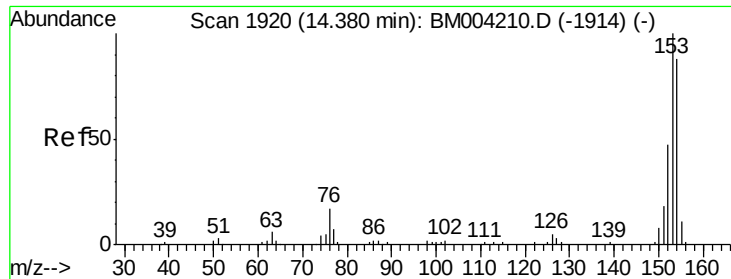
#34
2-Methylnaphthalene
Concen: 1.09 ng/ul
RT: 12.12 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BM004212.D
Acq: 08 Feb 2016 22:58

Tgt Ion:142 Resp: 6952
Ion Ratio Lower Upper
142 100
141 93.8 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#50

Acenaphthene

Concen: 9.46 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

Instrument :

BNA_M

ClientSampleId :

C04P4DL

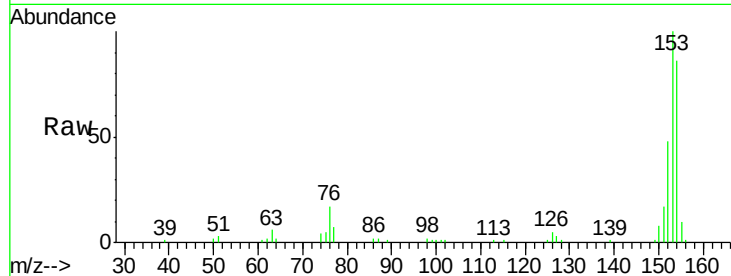
Tgt Ion:153 Resp: 65781

Ion Ratio Lower Upper

153 100

152 48.0 38.3 57.5

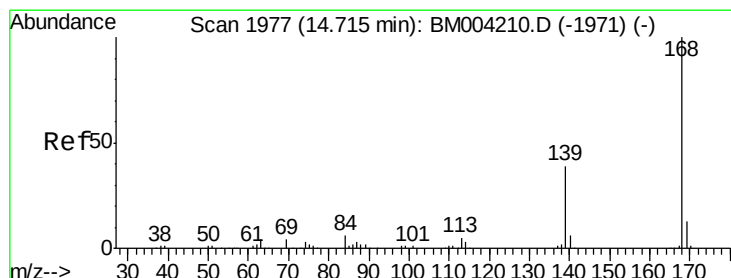
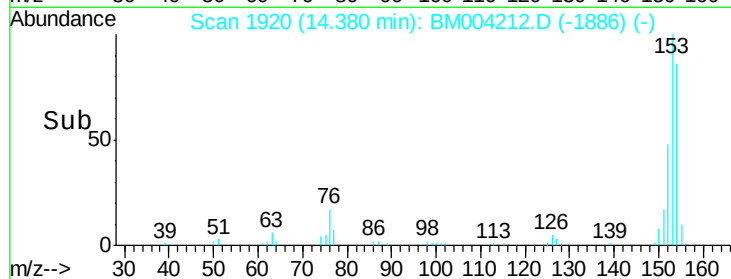
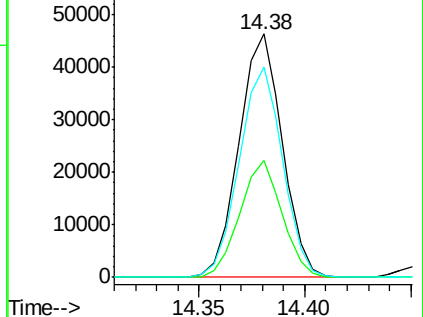
154 86.2 71.8 107.8



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: 3.82 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM004212.D

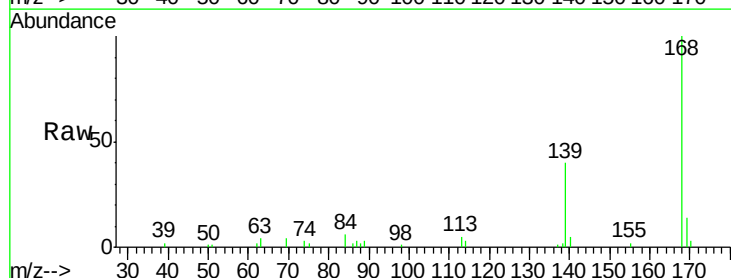
Acq: 08 Feb 2016 22:58

Tgt Ion:168 Resp: 37708

Ion Ratio Lower Upper

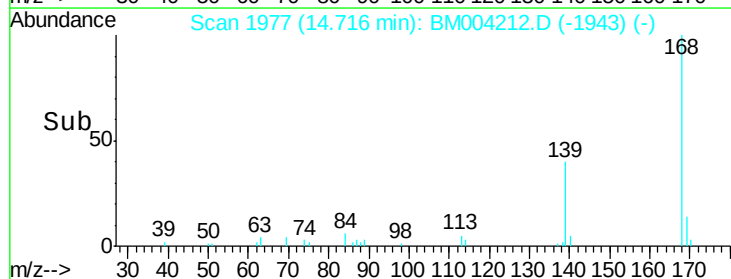
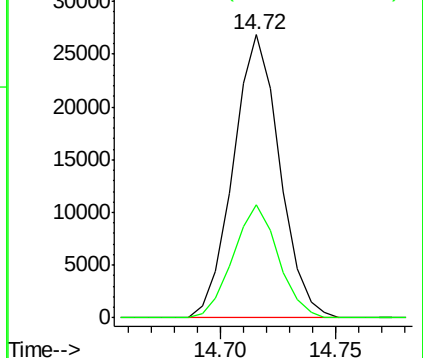
168 100

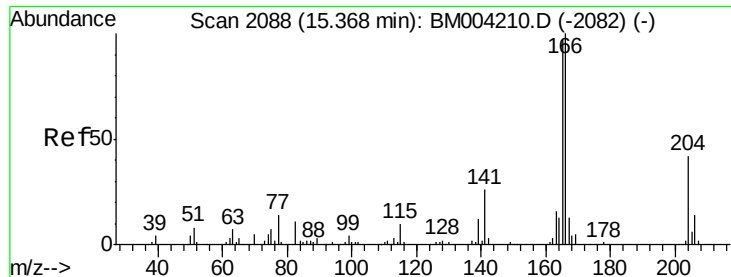
139 39.8 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 6.13 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

Instrument :

BNA_M

ClientSampleId :

C04P4DL

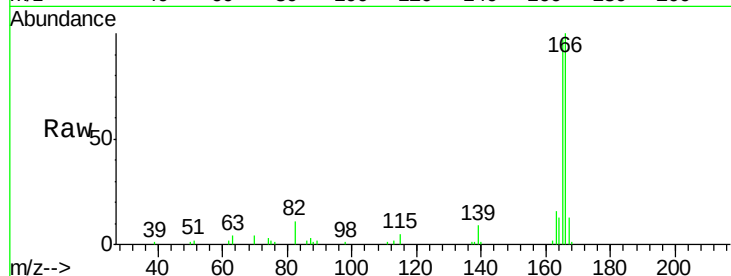
Tgt Ion:166 Resp: 50332

Ion Ratio Lower Upper

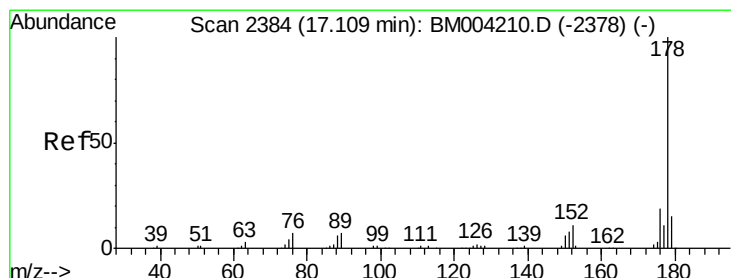
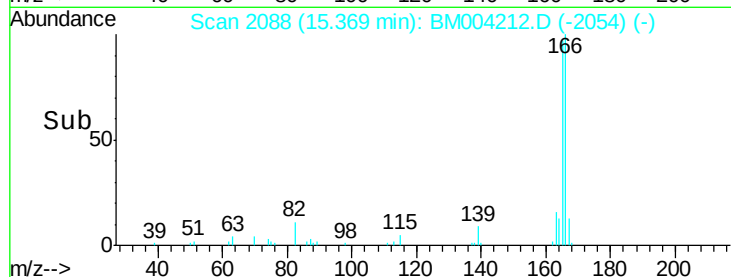
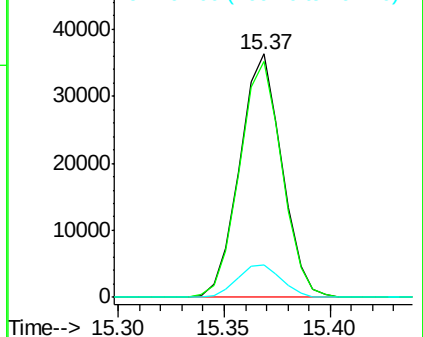
166 100

165 97.0 78.5 117.7

167 13.5 10.7 16.1



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: 42.20 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

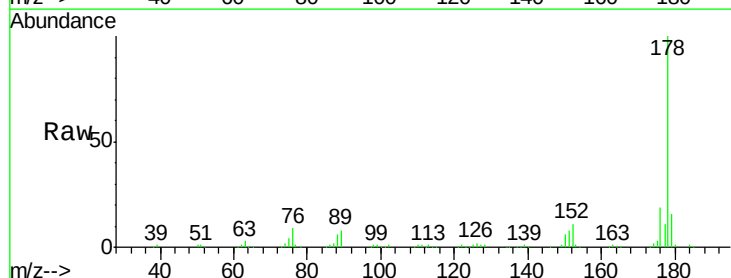
Tgt Ion:178 Resp: 548411

Ion Ratio Lower Upper

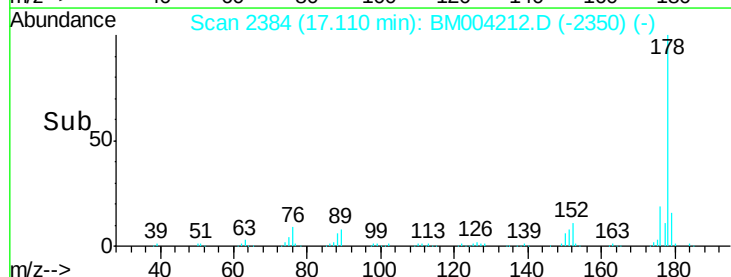
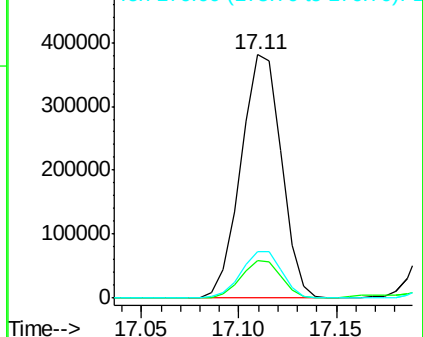
178 100

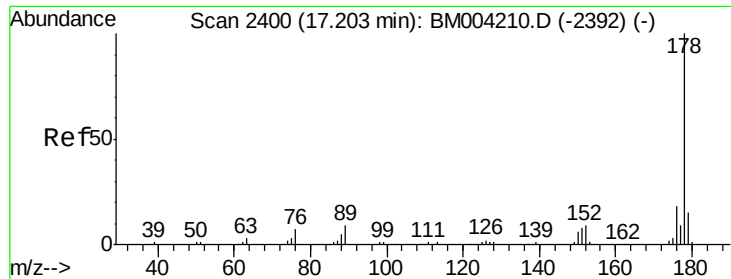
179 15.6 12.2 18.4

176 19.2 15.6 23.4



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: 11.40 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

Instrument :

BNA_M

ClientSampleId :

C04P4DL

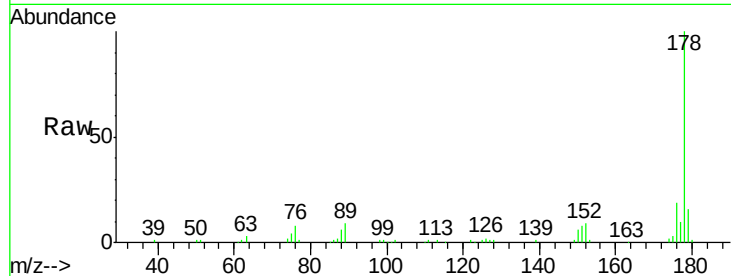
Tgt Ion:178 Resp: 150267

Ion Ratio Lower Upper

178 100

179 15.7 12.1 18.1

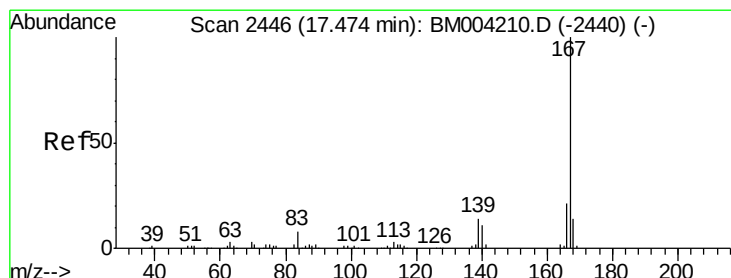
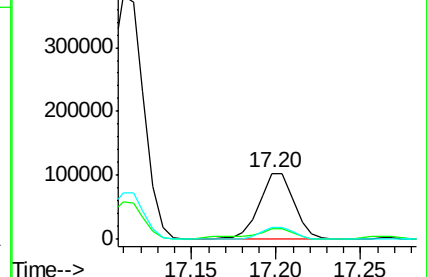
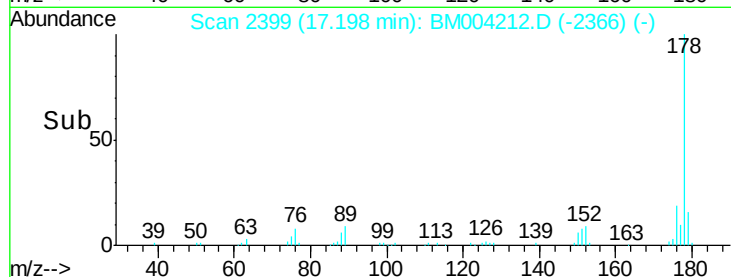
176 18.7 14.8 22.2



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: 5.61 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

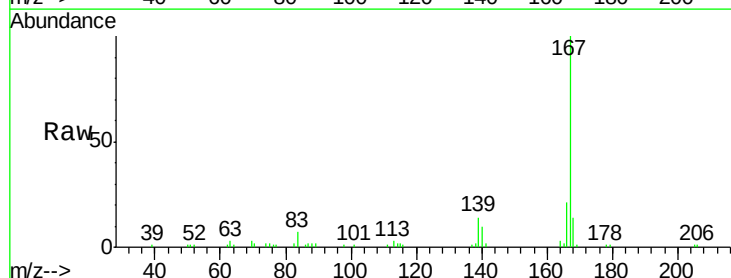
Tgt Ion:167 Resp: 67322

Ion Ratio Lower Upper

167 100

166 21.4 17.0 25.6

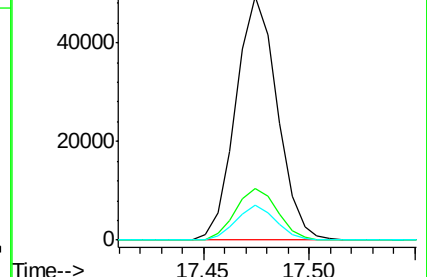
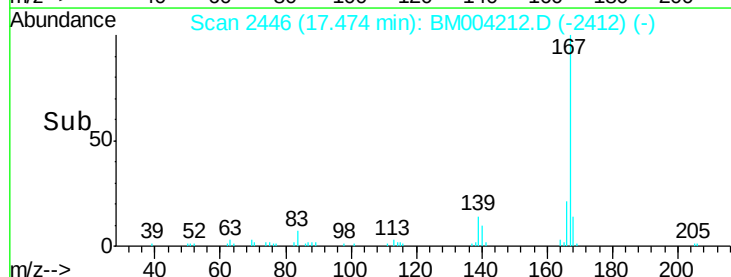
139 14.1 11.0 16.4

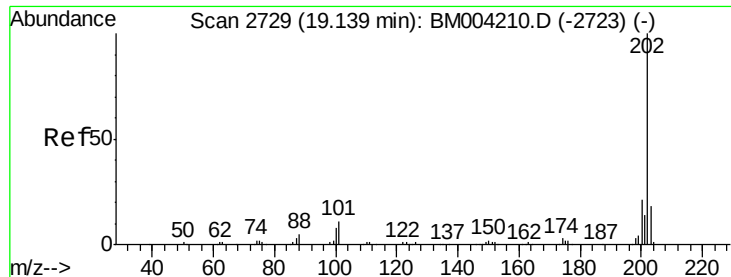


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

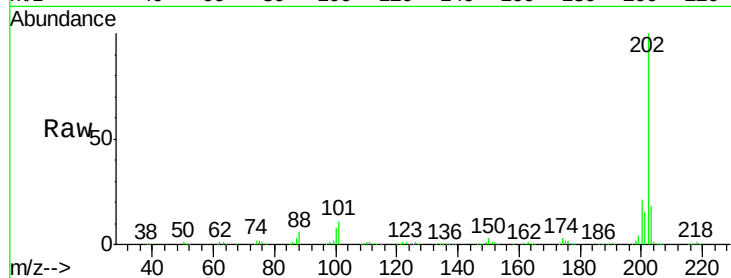




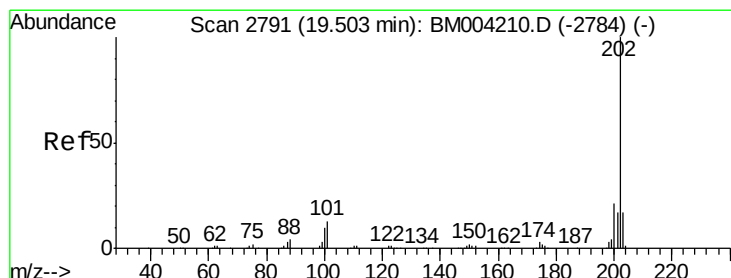
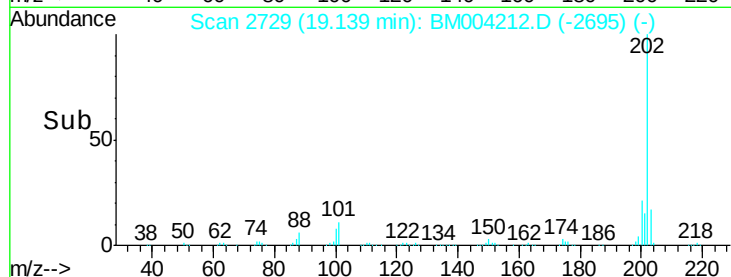
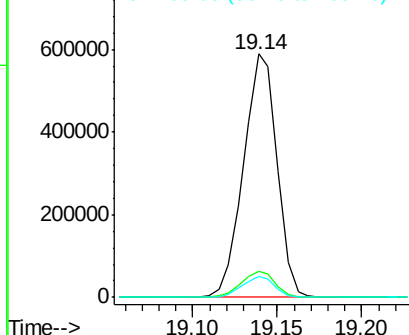
#77
Fluoranthene
Concen: 53.76 ng/ul
RT: 19.14 min Scan# 2729
Delta R.T. 0.00 min
Lab File: BM004212.D
Acq: 08 Feb 2016 22:58

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Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.8	13.2
100	8.3	6.6	9.8

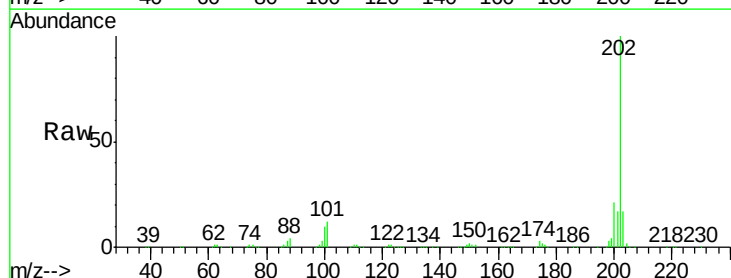


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

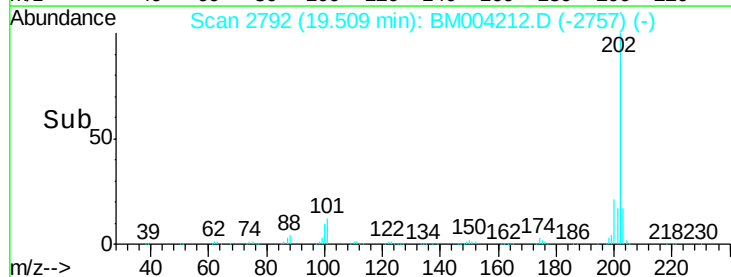
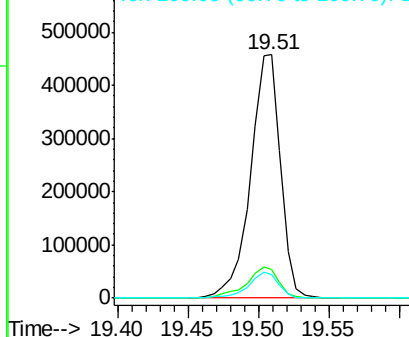


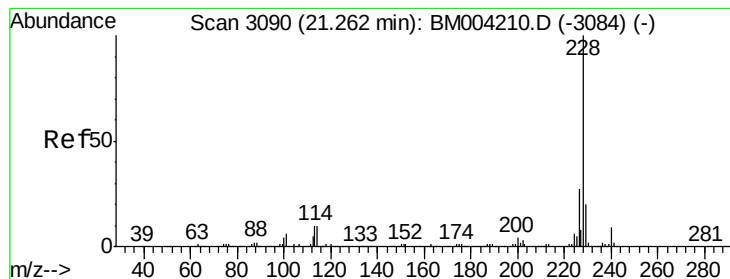
#80
Pyrene
Concen: 45.25 ng/ul
RT: 19.51 min Scan# 2792
Delta R.T. 0.01 min
Lab File: BM004212.D
Acq: 08 Feb 2016 22:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	10.2	15.2
100	9.8	8.5	12.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 26.78 ng/ul

RT: 21.26 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM004212.D

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C04P4DL

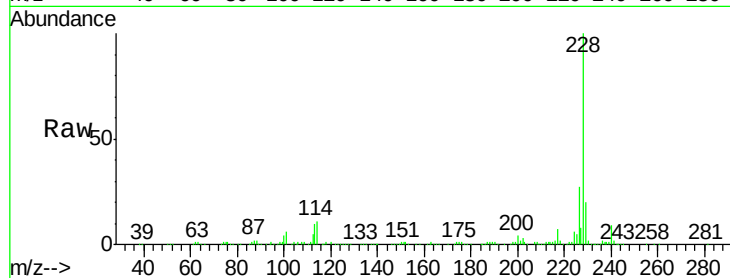
Tgt Ion:228 Resp: 420353

Ion Ratio Lower Upper

228 100

229 20.4 15.7 23.5

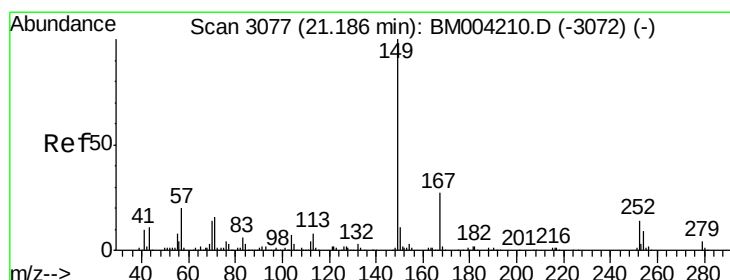
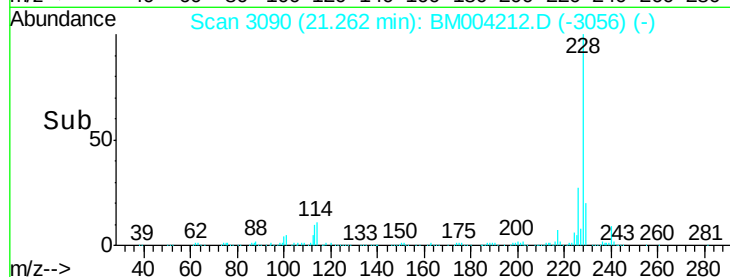
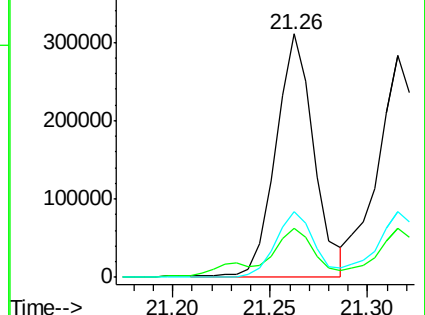
226 27.2 21.8 32.6



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: 9.05 ng/ul

RT: 21.19 min Scan# 3077

Delta R.T. 0.00 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

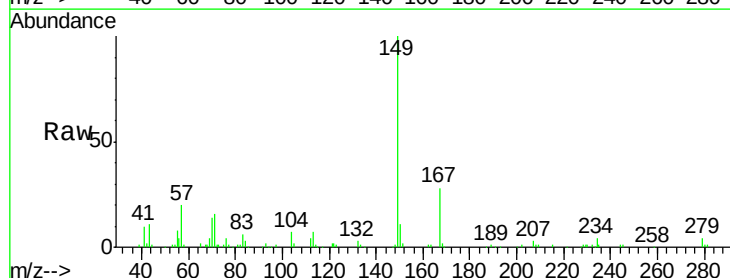
Tgt Ion:149 Resp: 87899

Ion Ratio Lower Upper

149 100

167 27.8 21.6 32.4

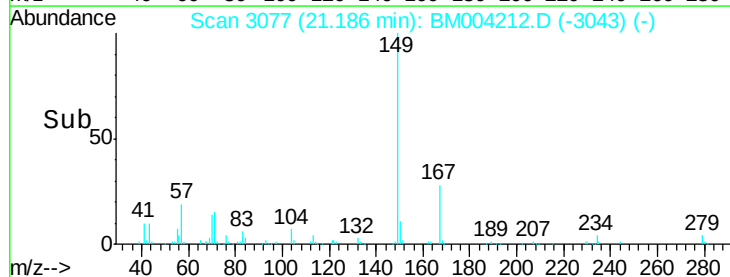
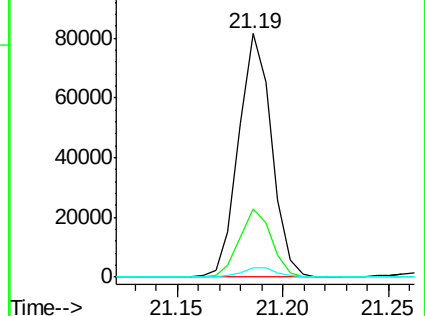
279 3.7 3.0 4.4

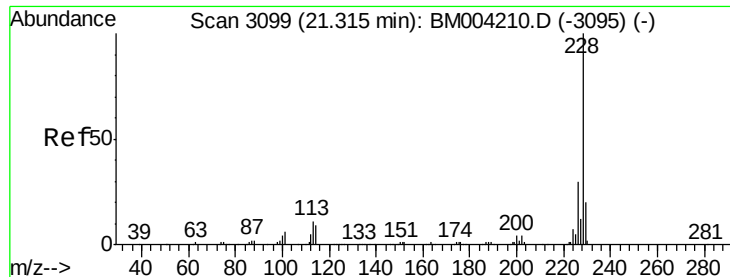


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 25.94 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.00 min

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Acq: 08 Feb 2016 22:58

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ClientSampleId :

C04P4DL

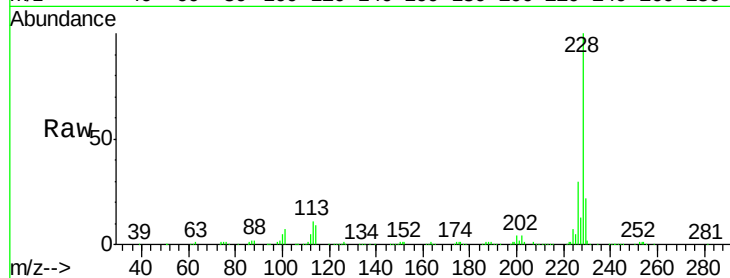
Tgt Ion:228 Resp: 387112

Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

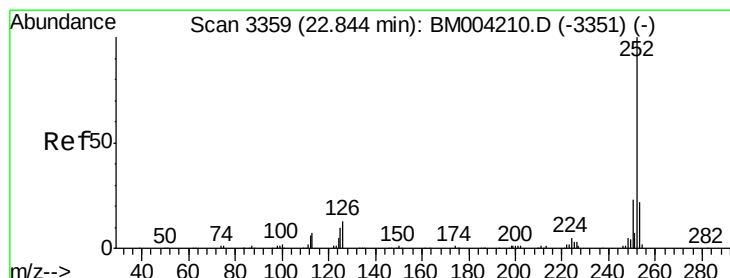
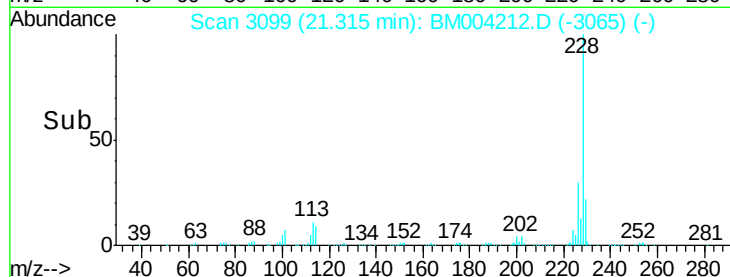
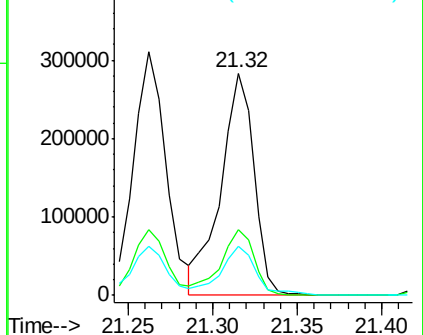
229 22.1 15.6 23.4



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: 32.91 ng/ul

RT: 22.84 min Scan# 3359

Delta R.T. 0.00 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

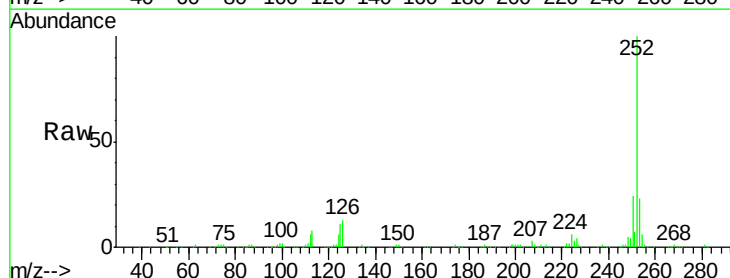
Tgt Ion:252 Resp: 461245

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

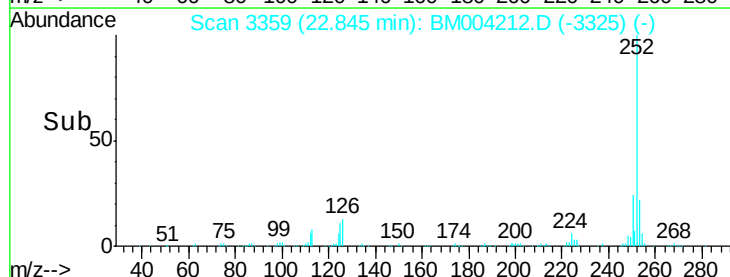
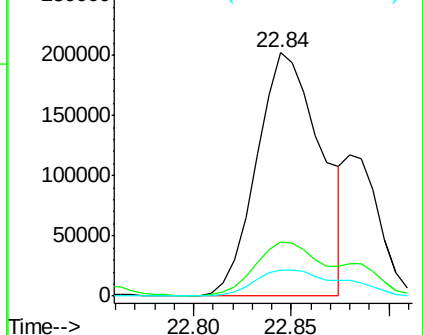
125 10.5 8.5 12.7

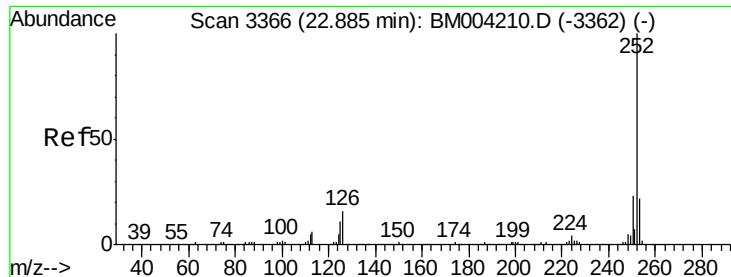


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 27.08 ng/ul

RT: 22.84 min Scan# 3359

Delta R.T. -0.04 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

Instrument :

BNA_M

ClientSampleId :

C04P4DL

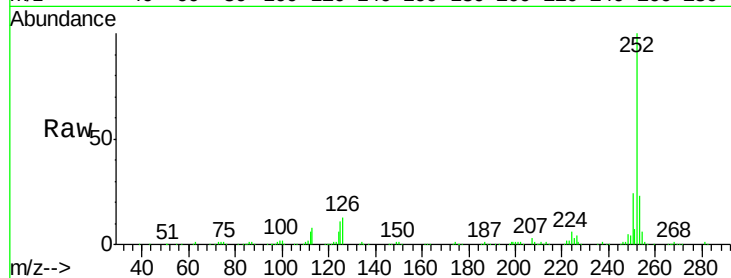
Tgt Ion:252 Resp: 353564

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

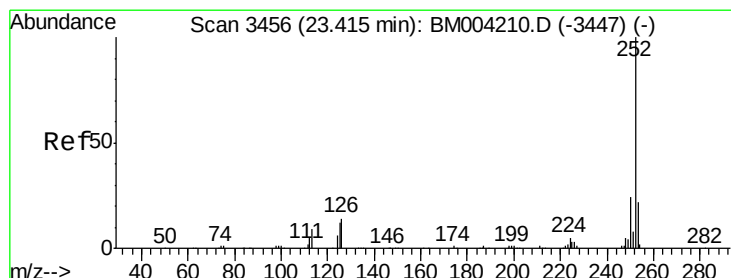
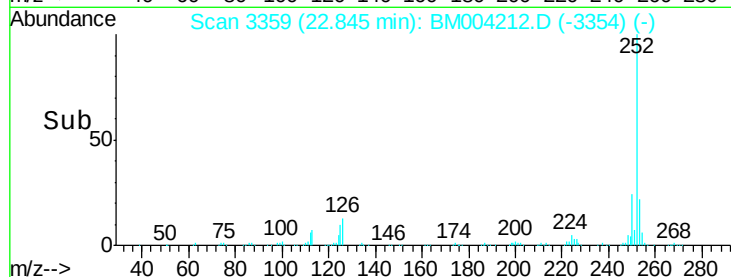
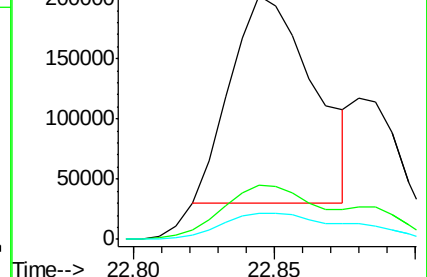
125 10.5 8.2 12.2



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



#91

Benzo(a)pyrene

Concen: 21.33 ng/ul

RT: 23.42 min Scan# 3456

Delta R.T. 0.00 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

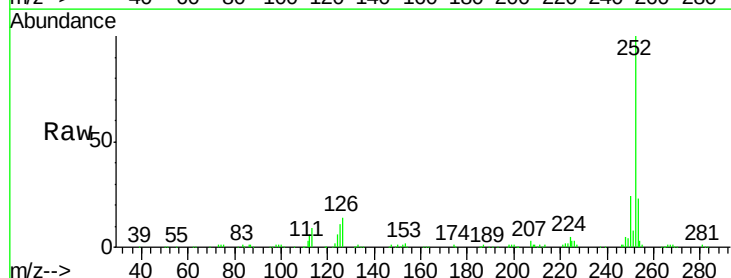
Tgt Ion:252 Resp: 288714

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

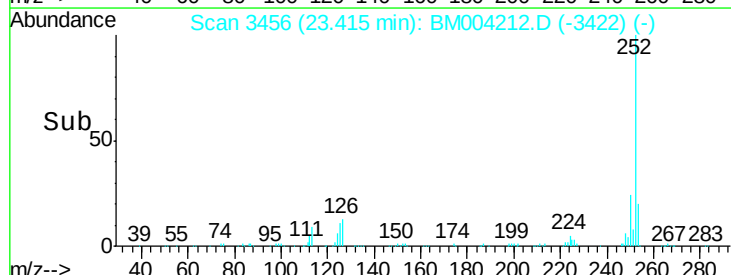
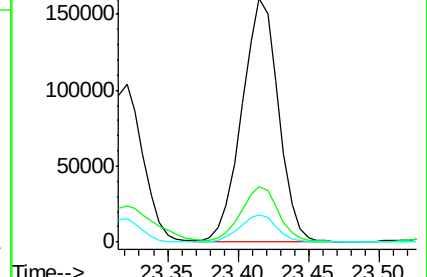
125 11.3 9.0 13.6

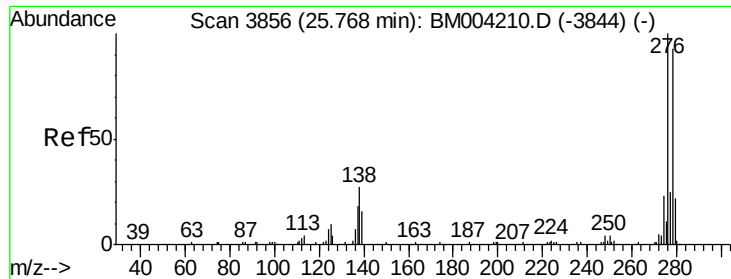


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 9.52 ng/ul

RT: 25.76 min Scan# 3855

Delta R.T. -0.01 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

Instrument :

BNA_M

ClientSampleId :

C04P4DL

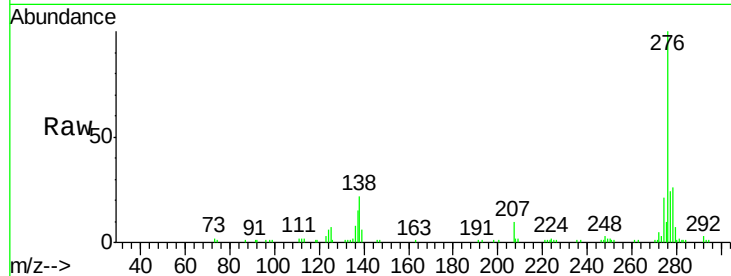
Tgt Ion:276 Resp: 153865

Ion Ratio Lower Upper

276 100

138 21.5 22.3 33.5#

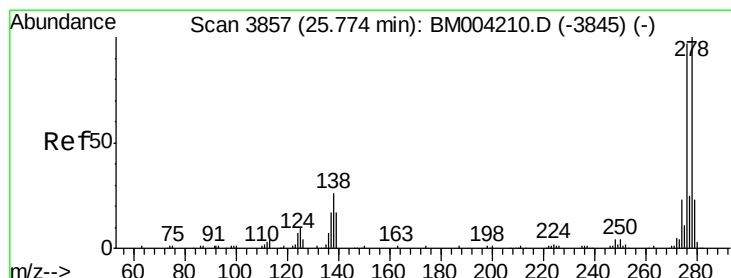
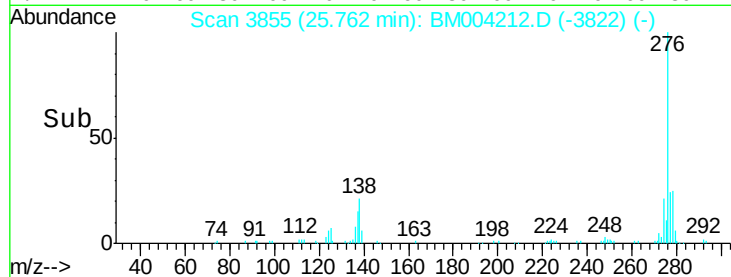
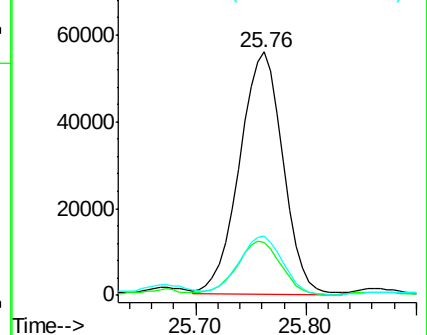
277 24.3 20.2 30.2



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



#93

Dibenzo(a,h)anthracene

Concen: 1.22 ng/ul

RT: 25.87 min Scan# 3873

Delta R.T. 0.09 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

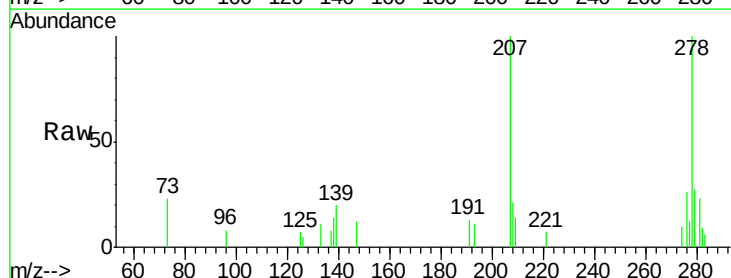
Tgt Ion:278 Resp: 16398

Ion Ratio Lower Upper

278 100

139 19.9 13.9 20.9

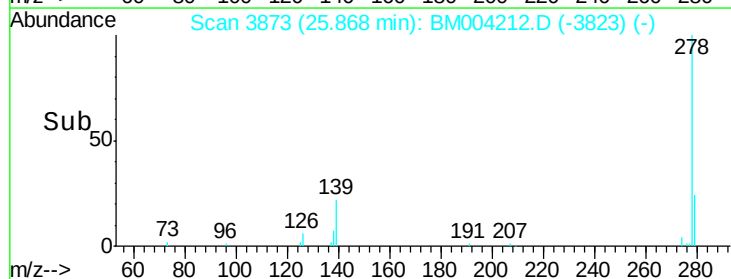
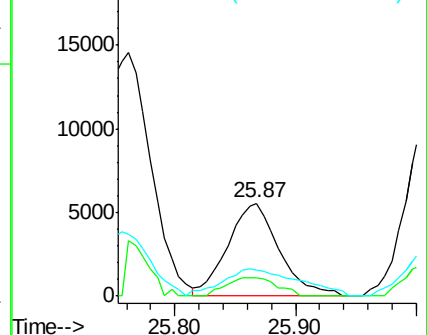
279 27.3 19.0 28.4

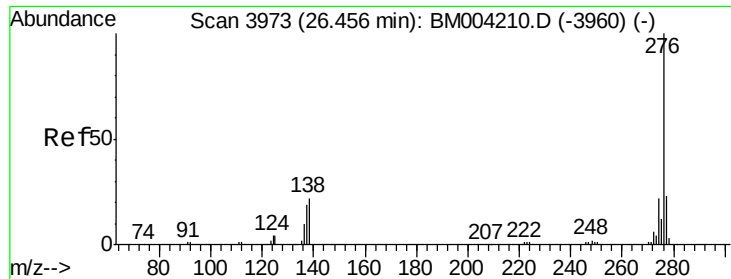


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.90 ng/ul

RT: 26.45 min Scan# 3972

Delta R.T. -0.01 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

Instrument :

BNA_M

ClientSampleId :

C04P4DL

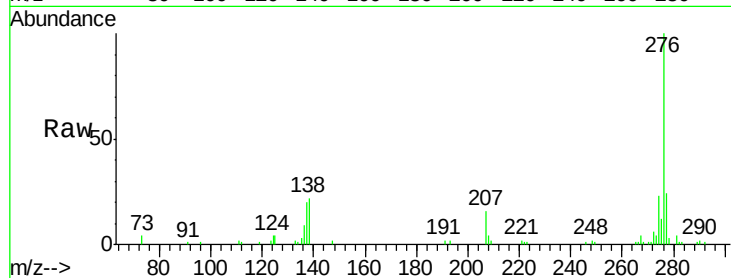
Tgt Ion: 276 Resp: 108829

Ion Ratio Lower Upper

276 100

138 22.4 18.9 28.3

277 24.2 19.2 28.8



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

