

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
 Data File : BM004200.D
 Acq On : 08 Feb 2016 15:11
 Operator : SJ/IZ
 Sample : H1340-16 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C04P4

Quant Time: Feb 09 00:11:25 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 09 00:07:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	26039	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	127212	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	78826	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	187901	20.00	ng/ul	0.00
78) Chrysene-d12	21.29	240	210565	20.00	ng/ul	0.00
86) Perylene-d12	23.52	264	214429	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.84	99	10247	4.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	5136	3.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	8933	4.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	8058	3.70	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	3808	4.04	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	4162	3.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	9036	4.65	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	9697	3.92	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	32815	4.84	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	39245	4.97	ng/ul	0.00
52) 4-Nitrophenol-d4	14.55	143	2382	1.75	ng/ul	0.02
58) Fluorene-d10	15.31	176	31091	5.34	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.46	200	1987	1.72	ng/ul	0.00
71) Anthracene-d10	17.17	188	49288	5.39	ng/ul	0.00
79) Pyrene-d10	19.48	212	56715	6.01	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.38	264	63173	5.65	ng/ul	0.01

Target Compounds

						Qvalue
28) Naphthalene	10.49	128	64450	9.00	ng/ul	100
34) 2-Methylnaphthalene	12.12	142	22727	4.21	ng/ul	99
35) 1-Methylnaphthalene	12.34	142	15011	2.91	ng/ul	98
41) 1,1'-Biphenyl	13.14	154	8644	1.28	ng/ul	98
45) Dimethylphthalate	13.77	163	10734	1.50	ng/ul#	95
50) Acenaphthene	14.38	153	206569	34.95	ng/ul	99
54) Dibenzofuran	14.72	168	122469	14.58	ng/ul	99
59) Fluorene	15.37	166	166239	23.80	ng/ul	100
70) Phenanthrene	17.12	178	1614337	140.77	ng/ul	100
72) Anthracene	17.20	178	486665	41.84	ng/ul	99
75) Carbazole	17.47	167	227785	21.53	ng/ul	100
77) Fluoranthene	19.16	202	2372610	177.76	ng/ul	97
80) Pyrene	19.52	202	2056821	158.87	ng/ul	99
83) Benzo(a)anthracene	21.27	228	1302936	97.20	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.19	149	295062	35.56	ng/ul	99
85) Chrysene	21.33	228	1246185	97.78	ng/ul	97
88) Benzo(b)fluoranthene	22.86	252	1436287	104.93	ng/ul	98
89) Benzo(k)fluoranthene	22.86	252	782045	61.33	ng/ul	97
91) Benzo(a)pyrene	23.43	252	1003838	75.92	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.79	276	558701	35.40	ng/ul	95
93) Dibenzo(a,h)anthracene	25.69	278	33850	2.57	ng/ul	94
94) Benzo(g,h,i)perylene	26.47	276	392898	29.20	ng/ul	99

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Response via : Initial Calibration

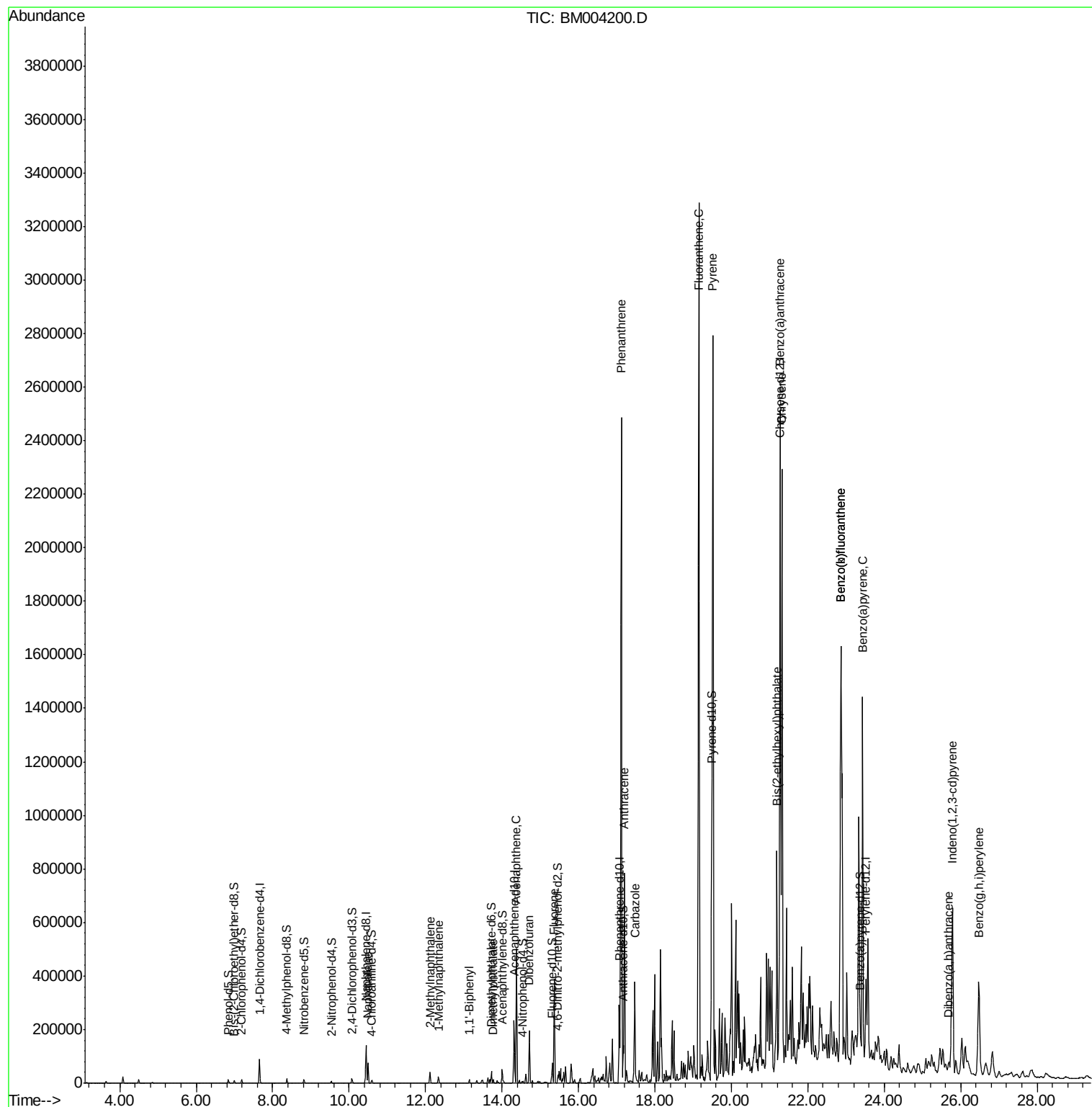
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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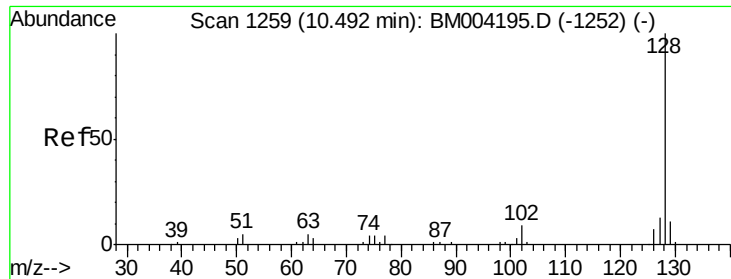
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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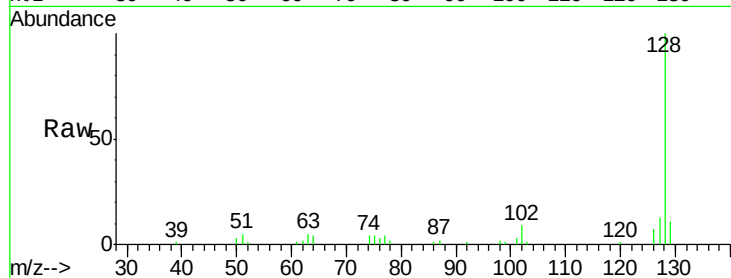




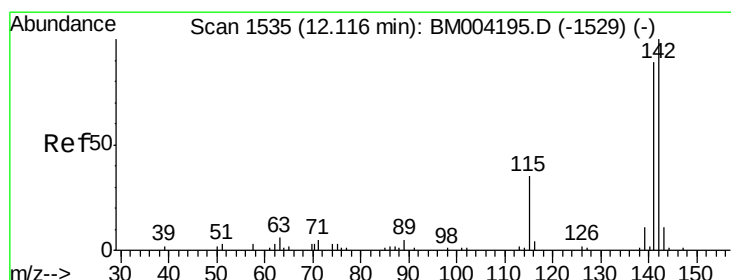
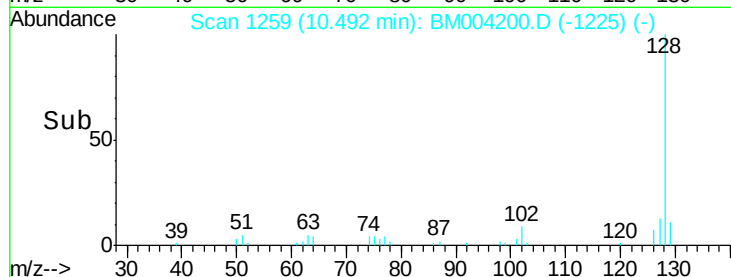
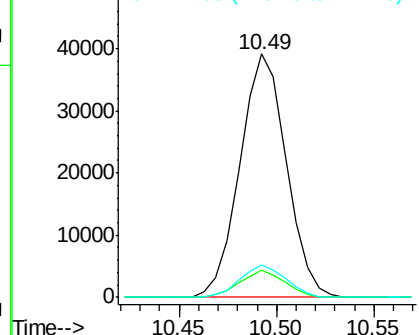
#28
Naphthalene
Concen: 9.00 ng/ul
RT: 10.49 min Scan# 1259
Delta R.T. 0.00 min
Lab File: BM004200.D
Acq: 08 Feb 2016 15:11

Instrument :
BNA_M
ClientSampleId :
C04P4

Tgt Ion:128 Resp: 64450
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.2 10.5 15.7

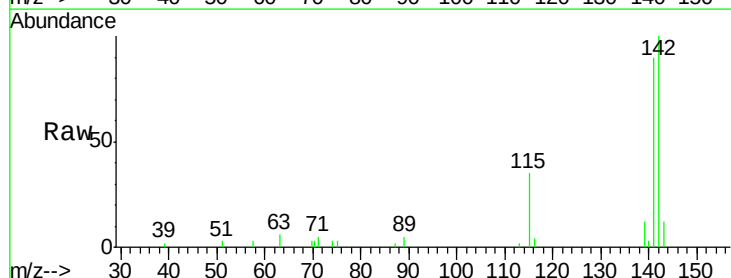


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

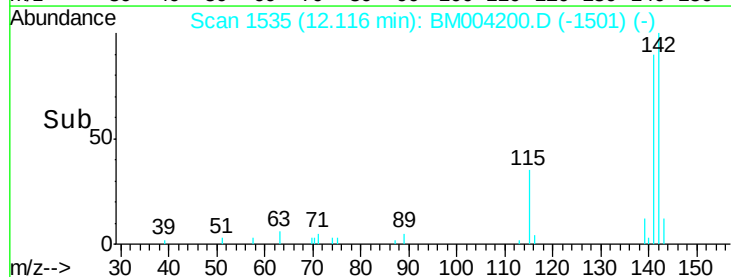
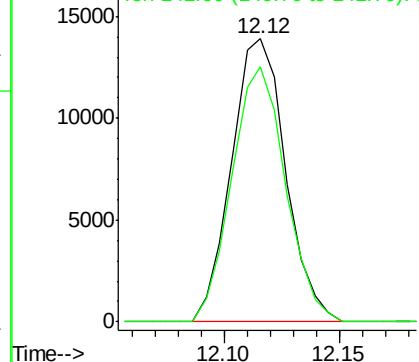


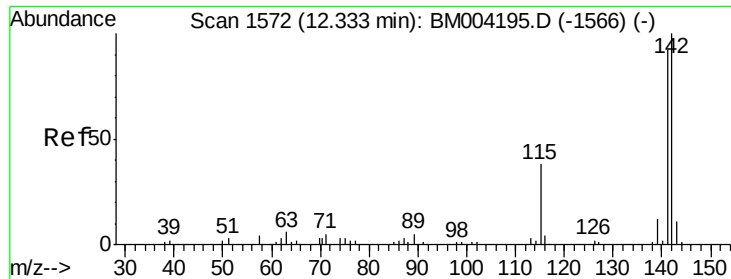
#34
2-Methylnaphthalene
Concen: 4.21 ng/ul
RT: 12.12 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BM004200.D
Acq: 08 Feb 2016 15:11

Tgt Ion:142 Resp: 22727
Ion Ratio Lower Upper
142 100
141 90.2 71.6 107.4



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

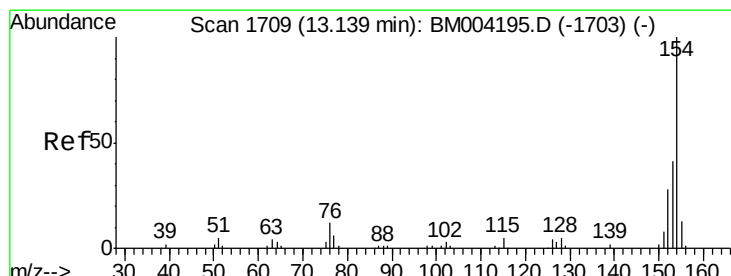
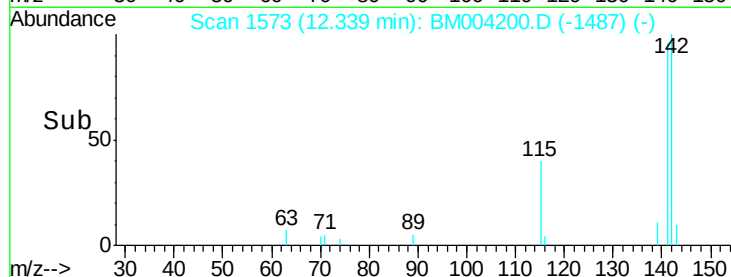
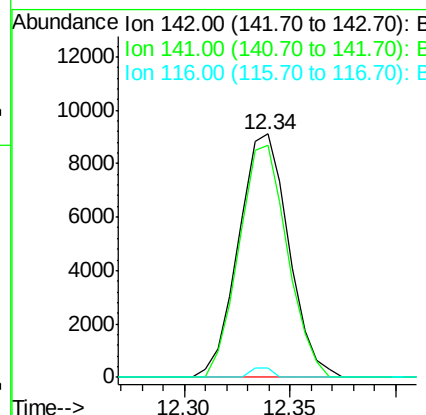
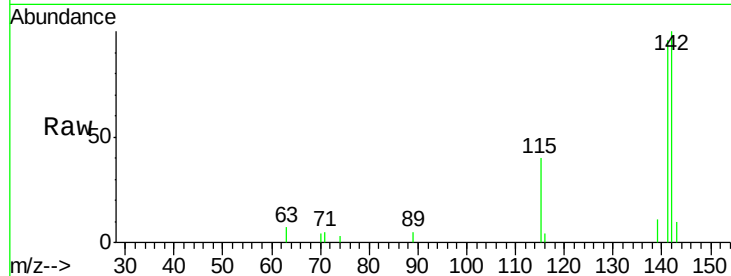




#35
 1-Methylnaphthalene
 Concen: 2.91 ng/ul
 RT: 12.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BM004200.D
 Acq: 08 Feb 2016 15:11

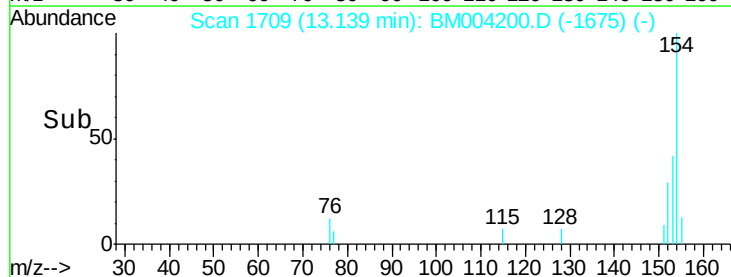
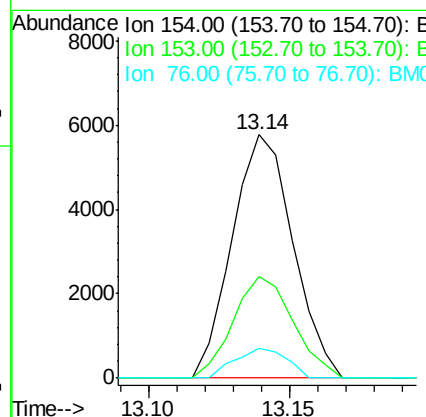
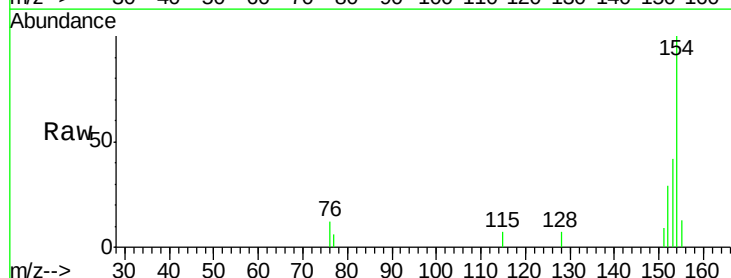
Instrument :
 BNA_M
 ClientSampleId :
 C04P4

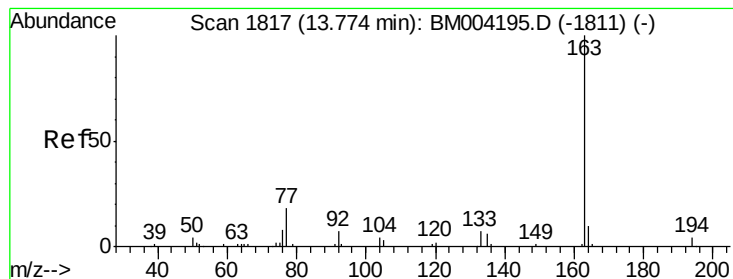
Tgt Ion:142 Resp: 15011
 Ion Ratio Lower Upper
 142 100
 141 95.6 74.9 112.3
 116 3.8 3.1 4.7



#41
 1,1'-Biphenyl
 Concen: 1.28 ng/ul
 RT: 13.14 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BM004200.D
 Acq: 08 Feb 2016 15:11

Tgt Ion:154 Resp: 8644
 Ion Ratio Lower Upper
 154 100
 153 41.7 32.1 48.1
 76 12.2 9.5 14.3





#45

Dimethylphthalate

Concen: 1.50 ng/ul

RT: 13.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BM004200.D

Acq: 08 Feb 2016 15:11

Instrument :

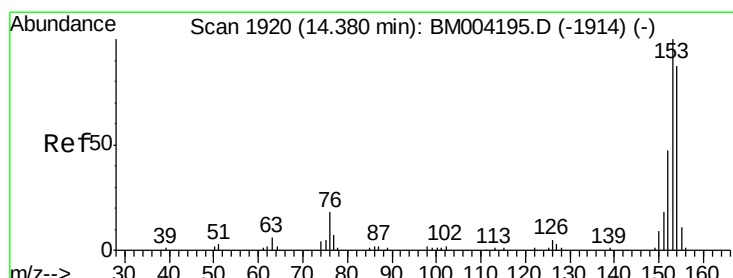
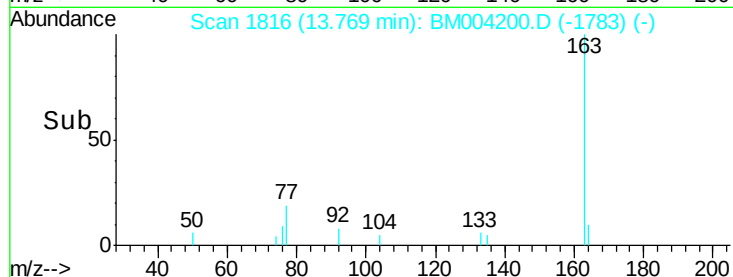
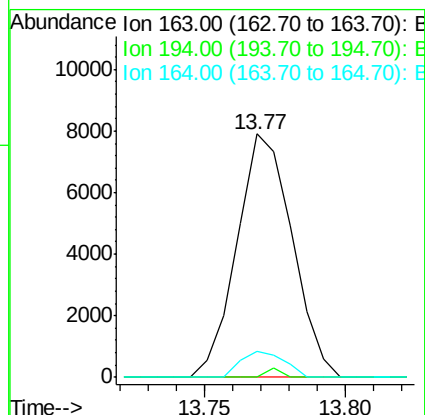
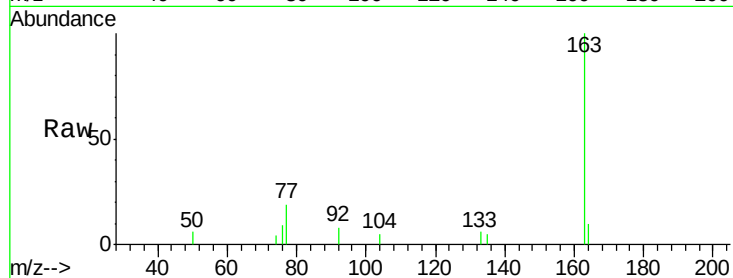
BNA_M

ClientSampleId :

C04P4

Tgt Ion:163 Resp: 10734

Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.2	4.8#
164	10.5	7.8	11.8



#50

Acenaphthene

Concen: 34.95 ng/ul

RT: 14.38 min Scan# 1920

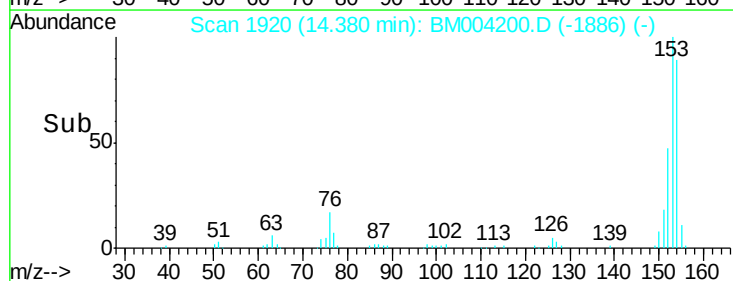
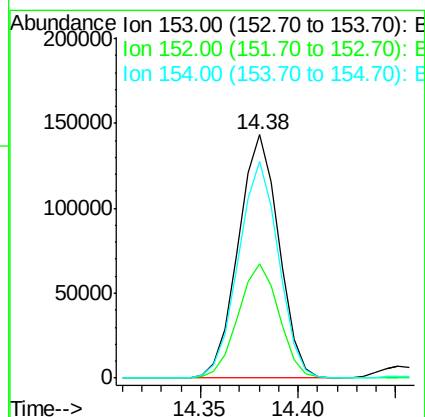
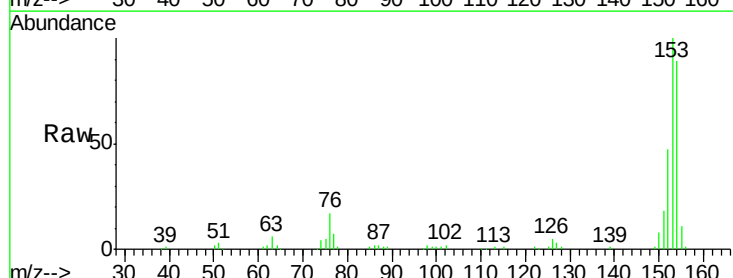
Delta R.T. 0.00 min

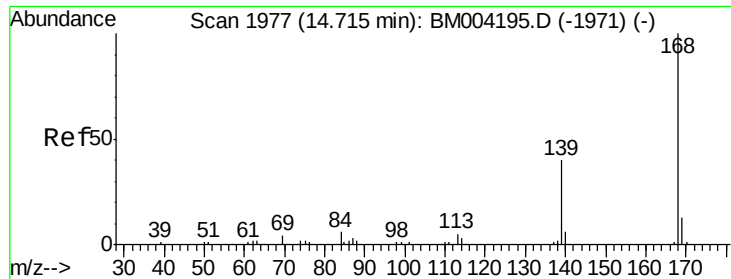
Lab File: BM004200.D

Acq: 08 Feb 2016 15:11

Tgt Ion:153 Resp: 206569

Ion	Ratio	Lower	Upper
153	100		
152	46.8	38.3	57.5
154	88.8	71.8	107.8





#54

Dibenzenofuran

Concen: 14.58 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM004200.D

Acq: 08 Feb 2016 15:11

Instrument :

BNA_M

ClientSampleId :

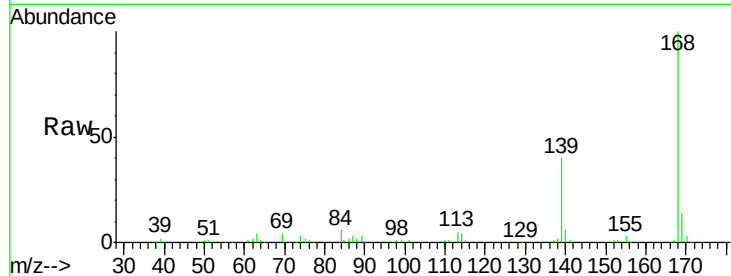
C04P4

Tgt Ion:168 Resp: 122469

Ion Ratio Lower Upper

168 100

139 39.7 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.72

80000

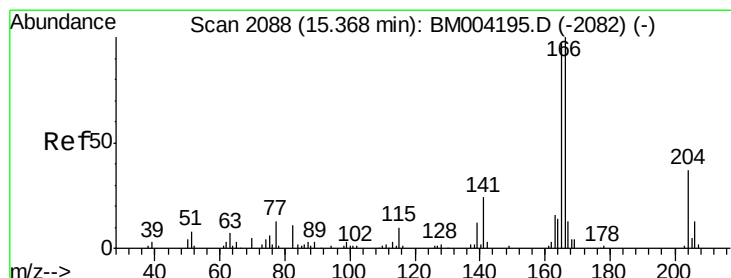
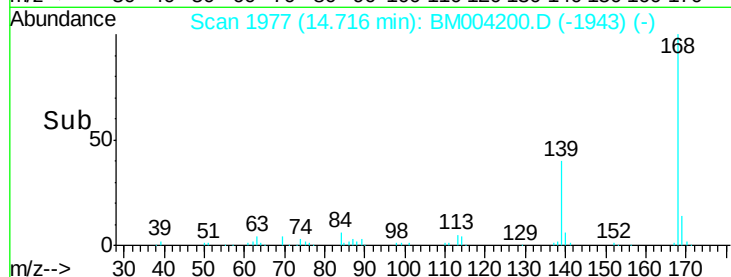
60000

40000

20000

0

Time--> 14.65 14.70 14.75



#59

Fluorene

Concen: 23.80 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM004200.D

Acq: 08 Feb 2016 15:11

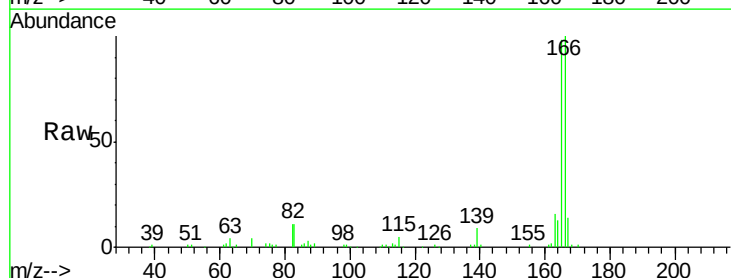
Tgt Ion:166 Resp: 166239

Ion Ratio Lower Upper

166 100

165 97.6 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

15.37

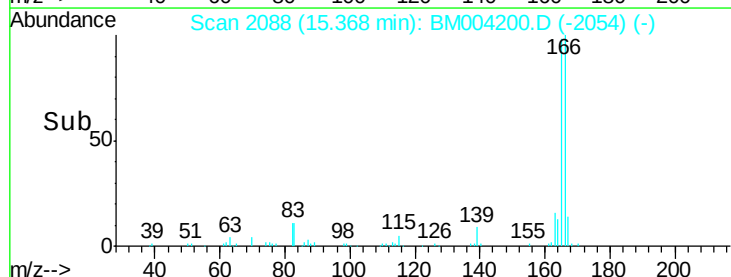
150000

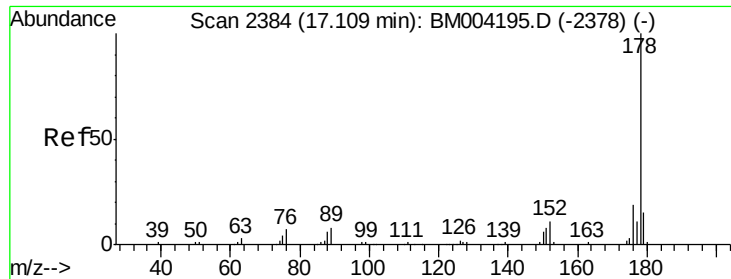
100000

50000

0

Time--> 15.30 15.35 15.40





#70

Phenanthrene

Concen: 140.77 ng/ul

RT: 17.12 min Scan# 2386

Delta R.T. 0.01 min

Lab File: BM004200.D

Acq: 08 Feb 2016 15:11

Instrument :

BNA_M

ClientSampled :

C04P4

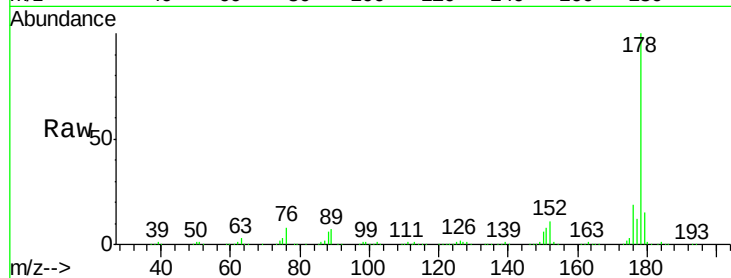
Tgt Ion:178 Resp: 1614337

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

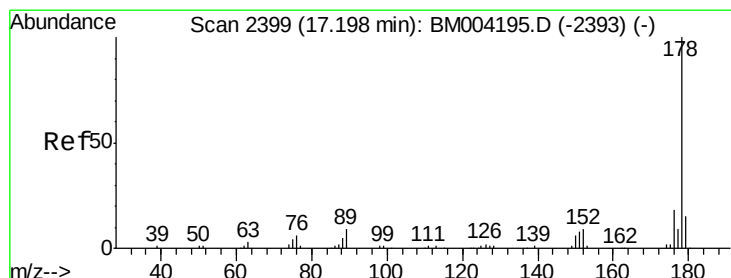
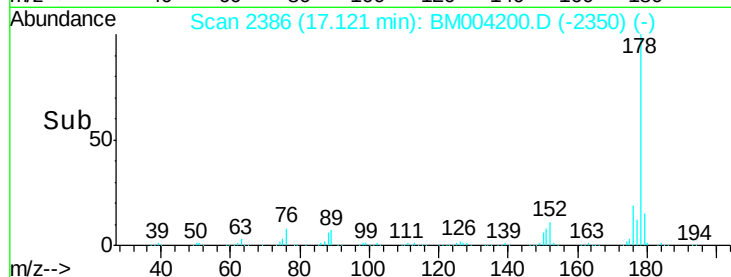
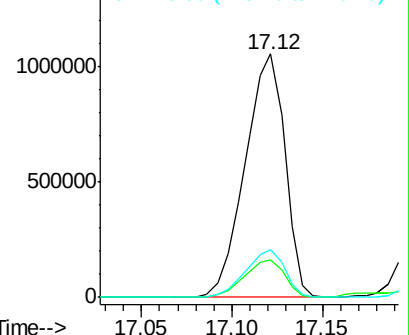
176 19.4 15.6 23.4



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: 41.84 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.01 min

Lab File: BM004200.D

Acq: 08 Feb 2016 15:11

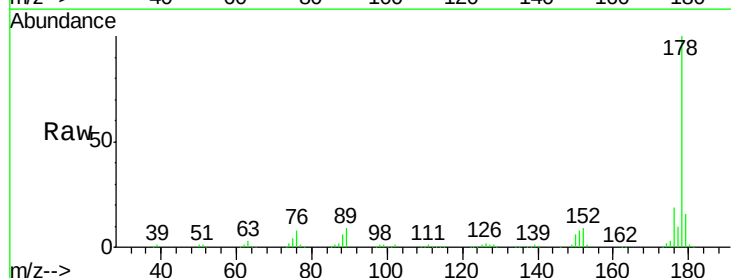
Tgt Ion:178 Resp: 486665

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

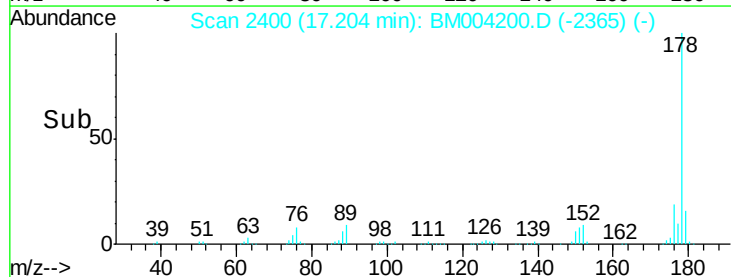
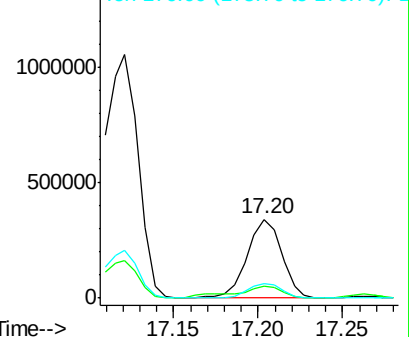
176 18.6 14.8 22.2

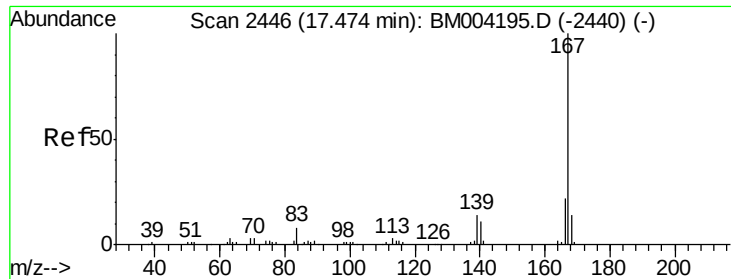


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

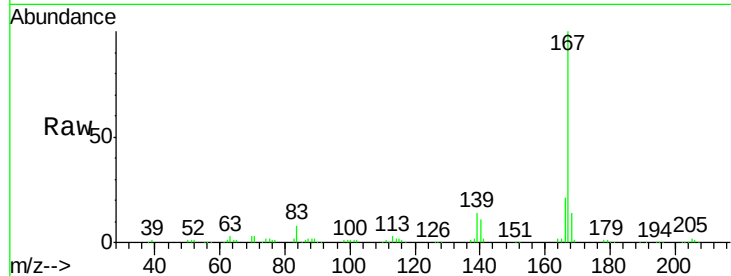




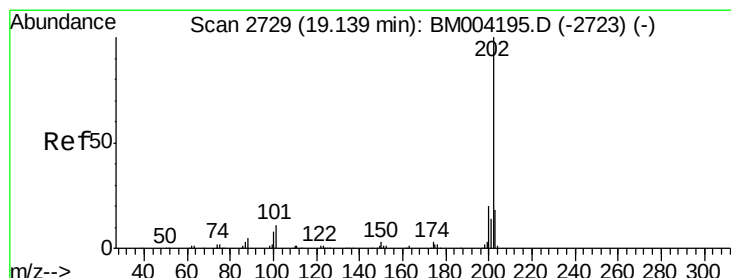
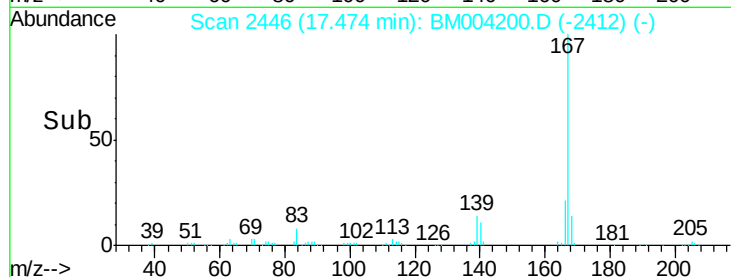
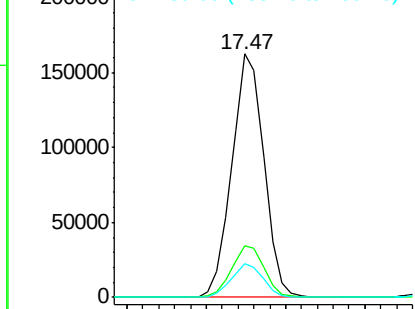
#75
 Carbazole
 Concen: 21.53 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BM004200.D
 Acq: 08 Feb 2016 15:11

Instrument :
 BNA_M
 ClientSampleId :
 C04P4

Tgt Ion:167 Resp: 227785
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 13.8 11.0 16.4

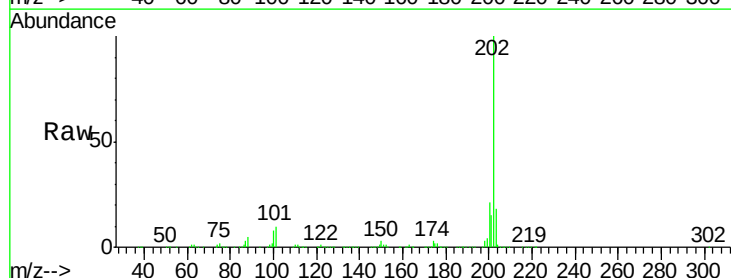


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

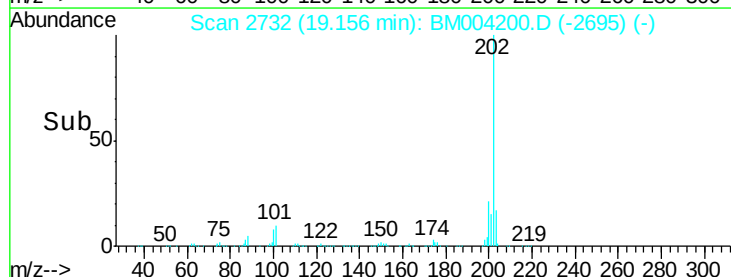
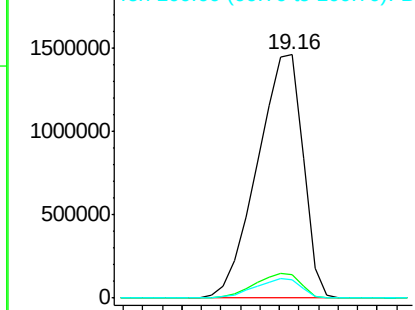


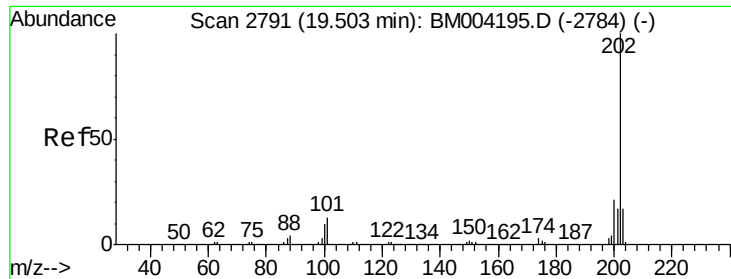
#77
 Fluoranthene
 Concen: 177.76 ng/ul
 RT: 19.16 min Scan# 2732
 Delta R.T. 0.02 min
 Lab File: BM004200.D
 Acq: 08 Feb 2016 15:11

Tgt Ion:202 Resp: 2372610
 Ion Ratio Lower Upper
 202 100
 101 9.7 8.8 13.2
 100 7.6 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

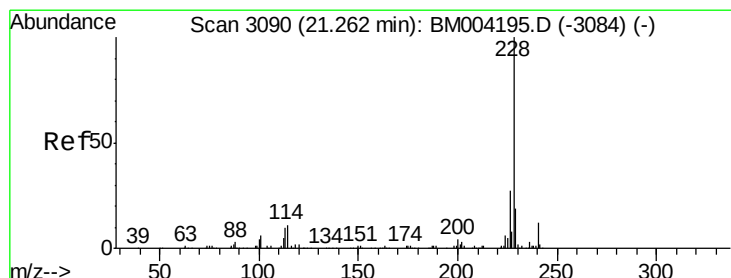
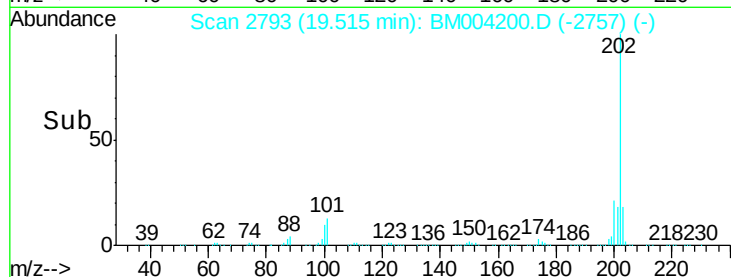
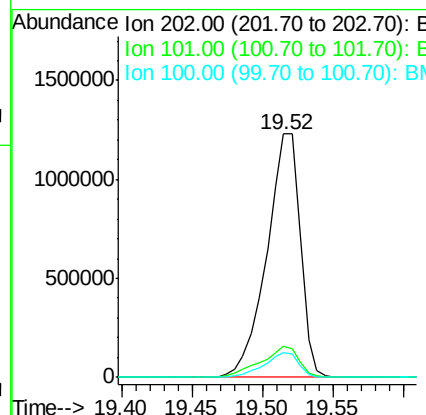
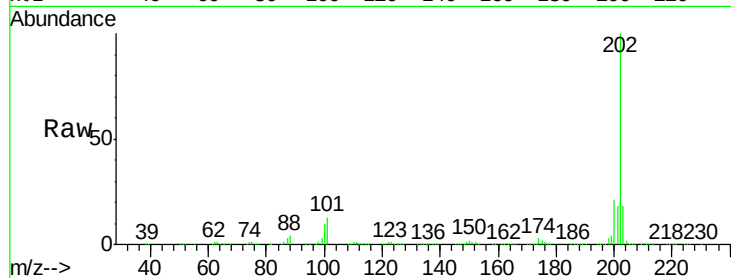




#80
 Pyrene
 Concen: 158.87 ng/ul
 RT: 19.52 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: BM004200.D
 Acq: 08 Feb 2016 15:11

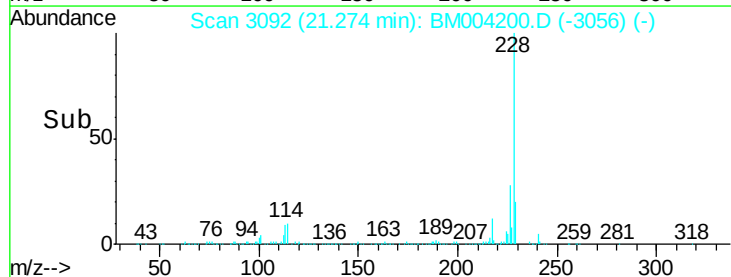
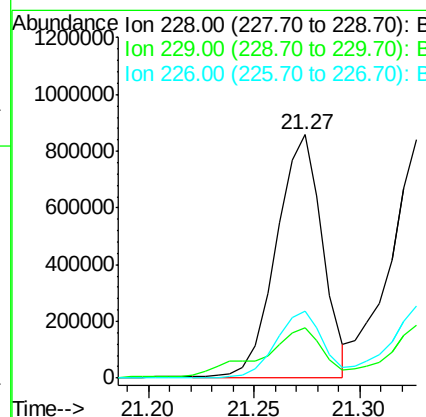
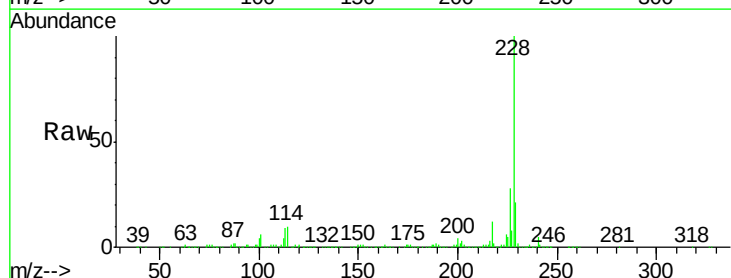
Instrument :
 BNA_M
 ClientSampleId :
 C04P4

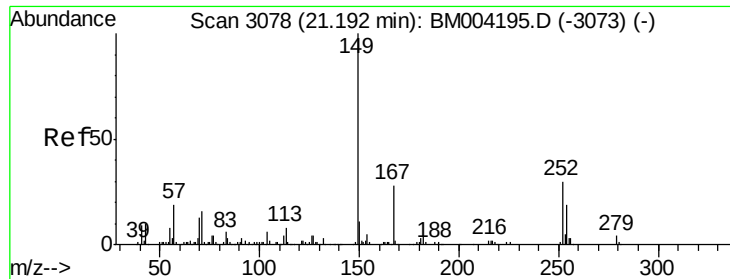
Tgt Ion:202 Resp: 2056821
 Ion Ratio Lower Upper
 202 100
 101 12.6 10.2 15.2
 100 10.3 8.5 12.7



#83
 Benzo(a)anthracene
 Concen: 97.20 ng/ul
 RT: 21.27 min Scan# 3092
 Delta R.T. 0.01 min
 Lab File: BM004200.D
 Acq: 08 Feb 2016 15:11

Tgt Ion:228 Resp: 1302936
 Ion Ratio Lower Upper
 228 100
 229 20.5 15.7 23.5
 226 27.7 21.8 32.6

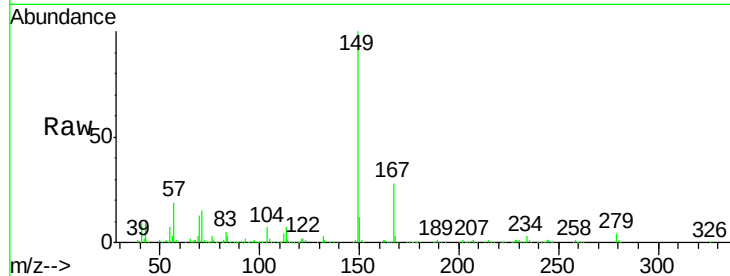




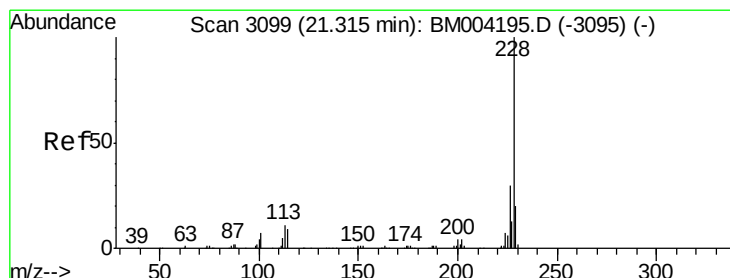
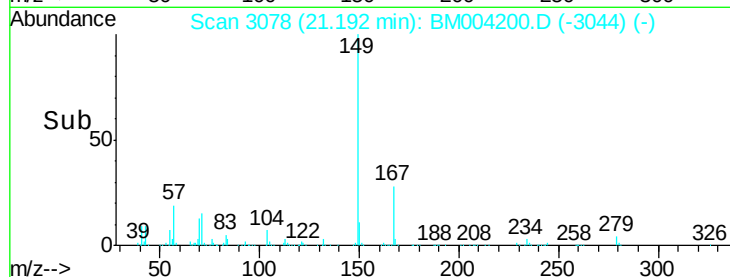
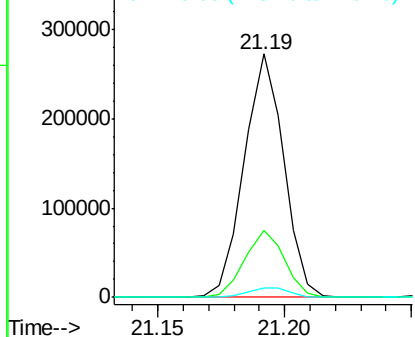
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 35.56 ng/ul
 RT: 21.19 min Scan# 3078
 Delta R.T. 0.00 min
 Lab File: BM004200.D
 Acq: 08 Feb 2016 15:11

Instrument :
 BNA_M
 ClientSampleId :
 C04P4

Tgt Ion:149 Resp: 295062
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.6 32.4
 279 4.0 3.0 4.4

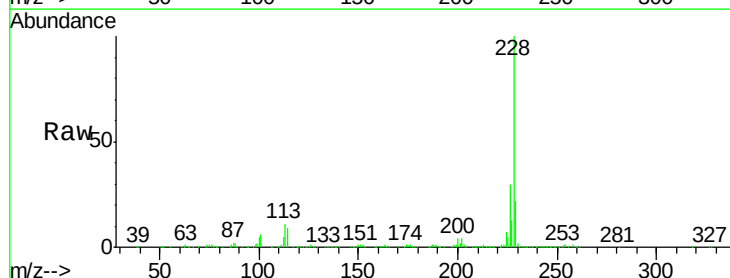


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

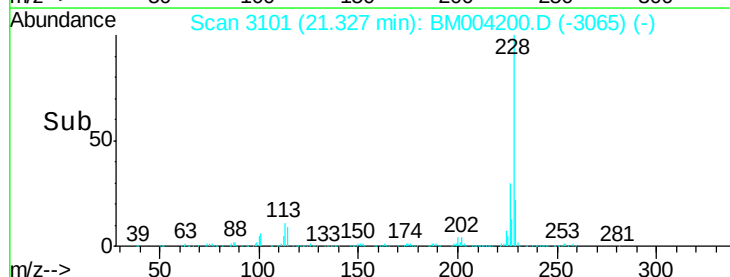
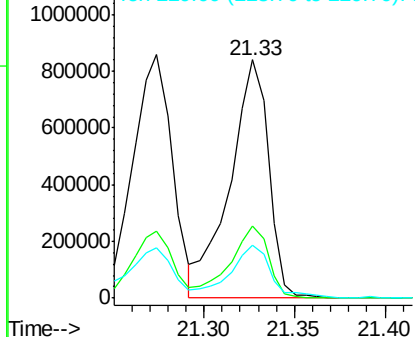


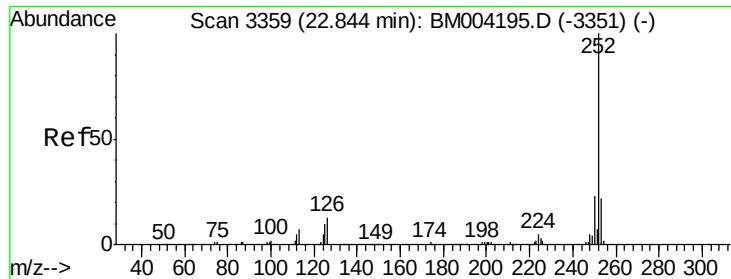
#85
 Chrysene
 Concen: 97.78 ng/ul
 RT: 21.33 min Scan# 3101
 Delta R.T. 0.01 min
 Lab File: BM004200.D
 Acq: 08 Feb 2016 15:11

Tgt Ion:228 Resp: 1246185
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.0 36.0
 229 22.4 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: 104.93 ng/ul

RT: 22.86 min Scan# 3362

Delta R.T. 0.02 min

Lab File: BM004200.D

Acq: 08 Feb 2016 15:11

Instrument :

BNA_M

ClientSampleId :

C04P4

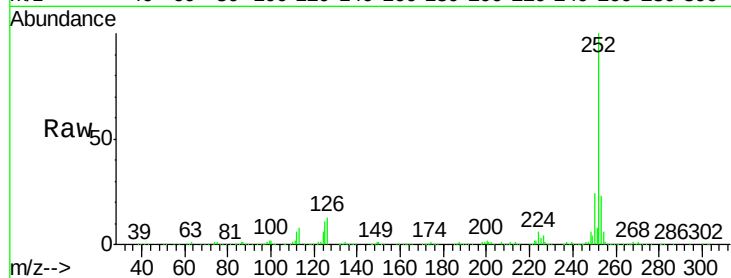
Tgt Ion:252 Resp: 1436287

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

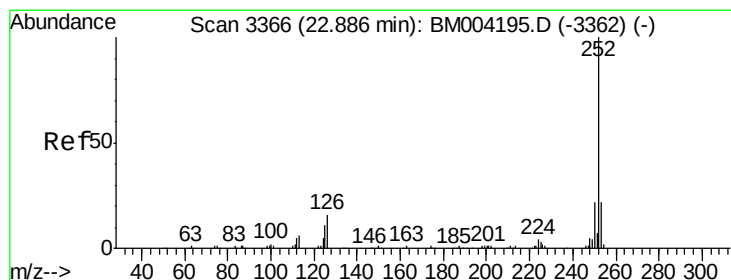
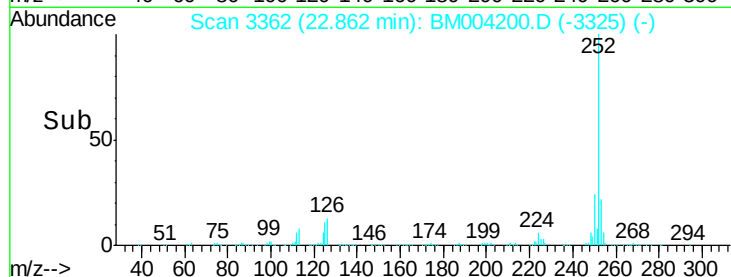
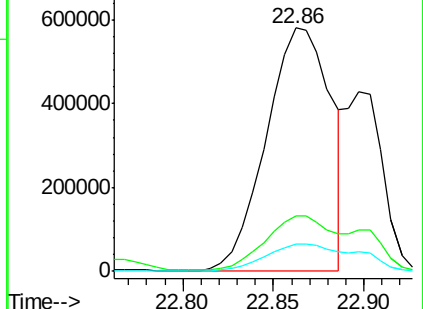
125 11.2 8.5 12.7



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: 61.33 ng/ul

RT: 22.86 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BM004200.D

Acq: 08 Feb 2016 15:11

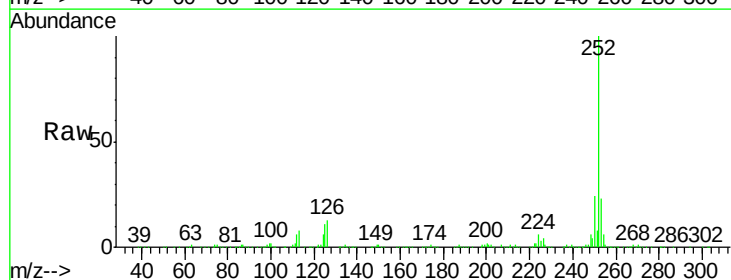
Tgt Ion:252 Resp: 782045

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

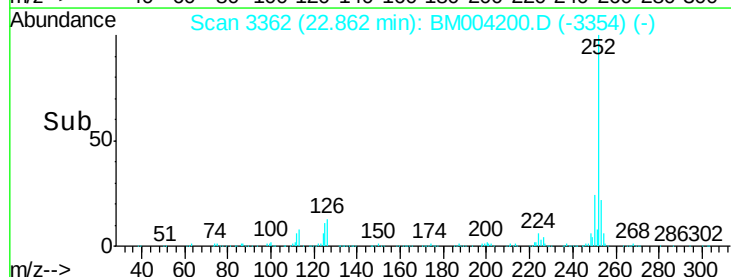
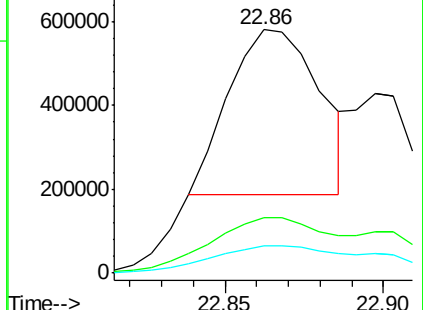
125 11.2 8.2 12.2

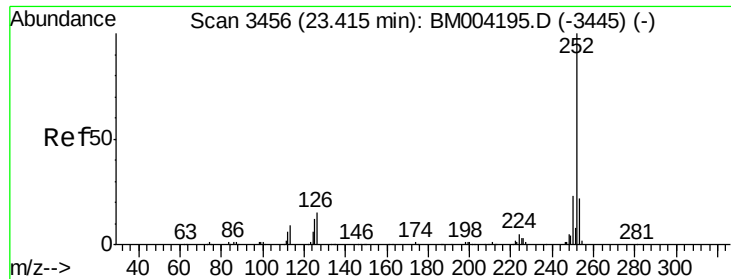


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 75.92 ng/ul

RT: 23.43 min Scan# 3459

Delta R.T. 0.02 min

Lab File: BM004200.D

Acq: 08 Feb 2016 15:11

Instrument :

BNA_M

ClientSampleId :

C04P4

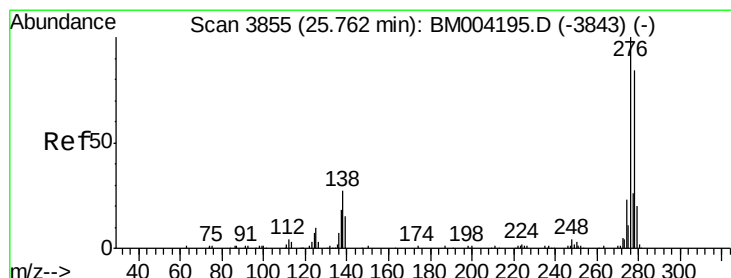
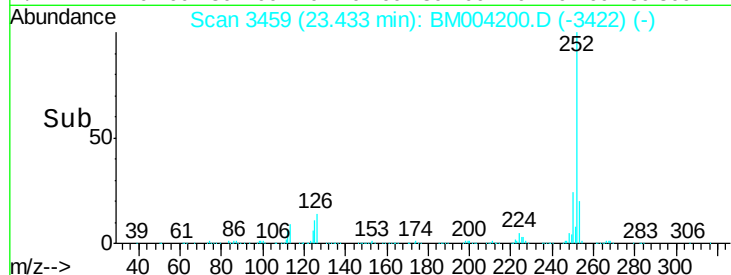
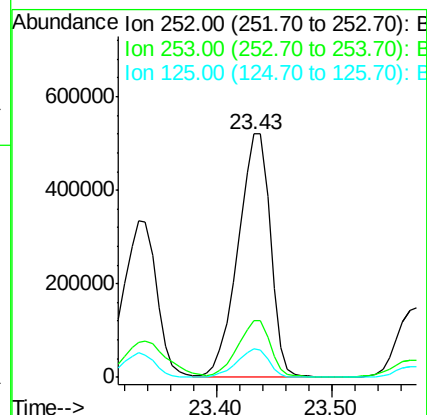
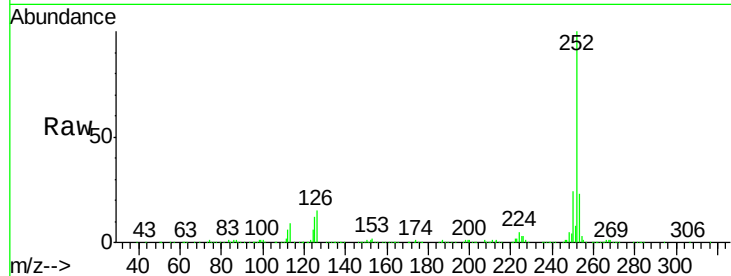
Tgt Ion:252 Resp: 1003838

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

125 11.6 9.0 13.6



#92

Indeno(1,2,3-cd)pyrene

Concen: 35.40 ng/ul

RT: 25.79 min Scan# 3859

Delta R.T. 0.02 min

Lab File: BM004200.D

Acq: 08 Feb 2016 15:11

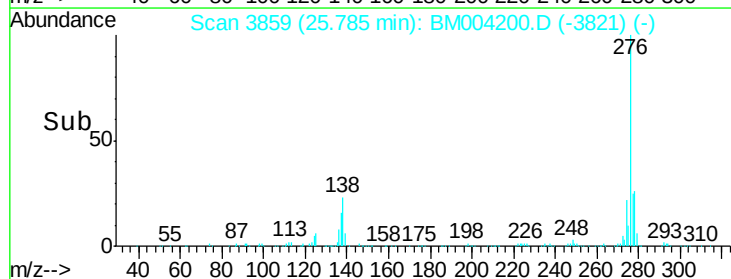
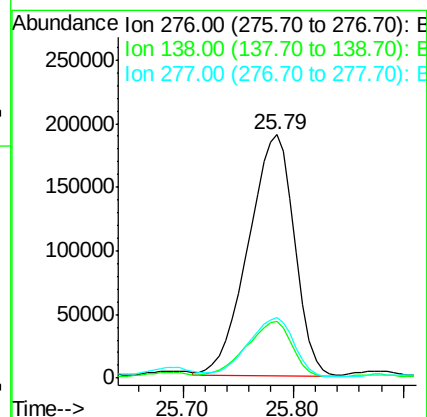
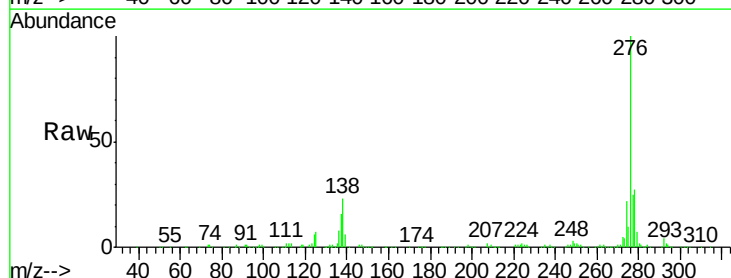
Tgt Ion:276 Resp: 558701

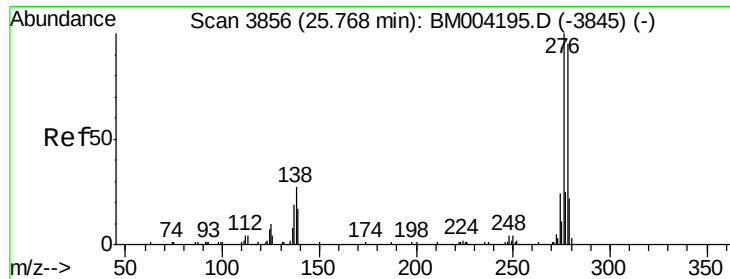
Ion Ratio Lower Upper

276 100

138 23.1 22.3 33.5

277 24.8 20.2 30.2

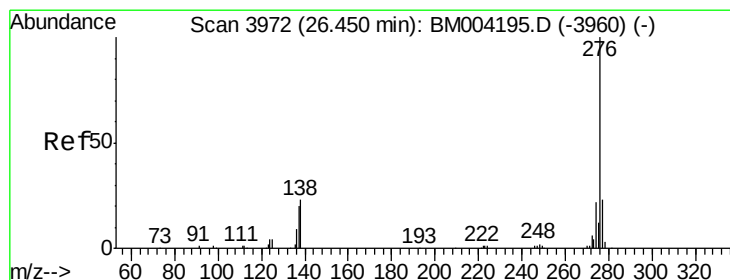
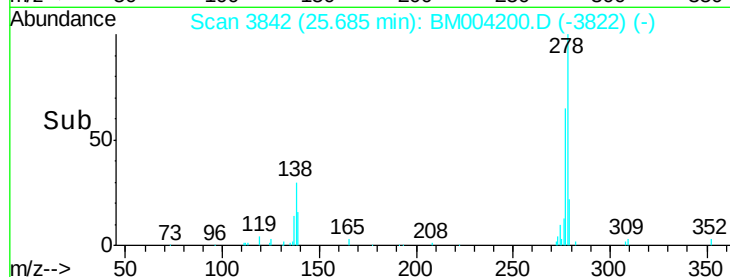
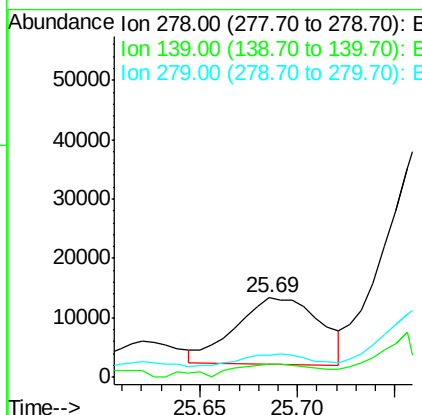
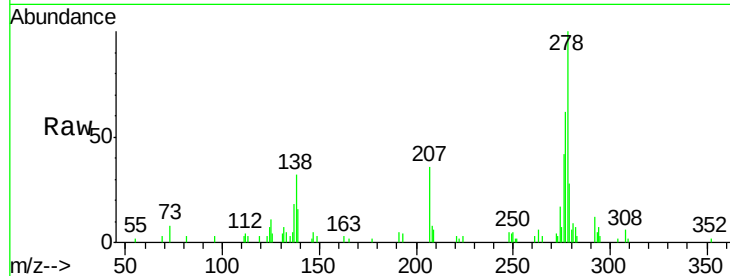




#93
Dibenzo(a,h)anthracene
Concen: 2.57 ng/ul
RT: 25.69 min Scan# 3842
Delta R.T. -0.08 min
Lab File: BM004200.D
Acq: 08 Feb 2016 15:11

Instrument :
BNA_M
ClientSampleId :
C04P4

Tgt Ion:278 Resp: 33850
Ion Ratio Lower Upper
278 100
139 16.0 13.9 20.9
279 27.8 19.0 28.4



#94
Benzo(g,h,i)perylene
Concen: 29.20 ng/ul
RT: 26.47 min Scan# 3976
Delta R.T. 0.02 min
Lab File: BM004200.D
Acq: 08 Feb 2016 15:11

Tgt Ion:276 Resp: 392898
Ion Ratio Lower Upper
276 100
138 22.8 18.9 28.3
277 24.5 19.2 28.8

