

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
 Data File : BM004005.D
 Acq On : 14 Jan 2016 04:03
 Operator : SJ/UM
 Sample : H1098-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 14 12:18:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 13 06:45:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	47341	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	225919	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	132048	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	291186	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	239602	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	208308	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	3151	2.98	ng/uL	0.00
5) Phenol-d5	6.84	99	76358	19.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	46312	20.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	66069	20.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	47515	14.92	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	34020	19.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	37097	19.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	64415	19.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	72279	16.52	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	220321	21.25	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	273812	21.68	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	27173	14.59	ng/ul	0.00
58) Fluorene-d10	15.32	176	197662	22.48	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	21695	13.21	ng/ul	0.00
71) Anthracene-d10	17.17	188	303773	22.56	ng/ul	0.00
79) Pyrene-d10	19.47	212	310634	25.03	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	239108	22.98	ng/ul	0.00

Target Compounds

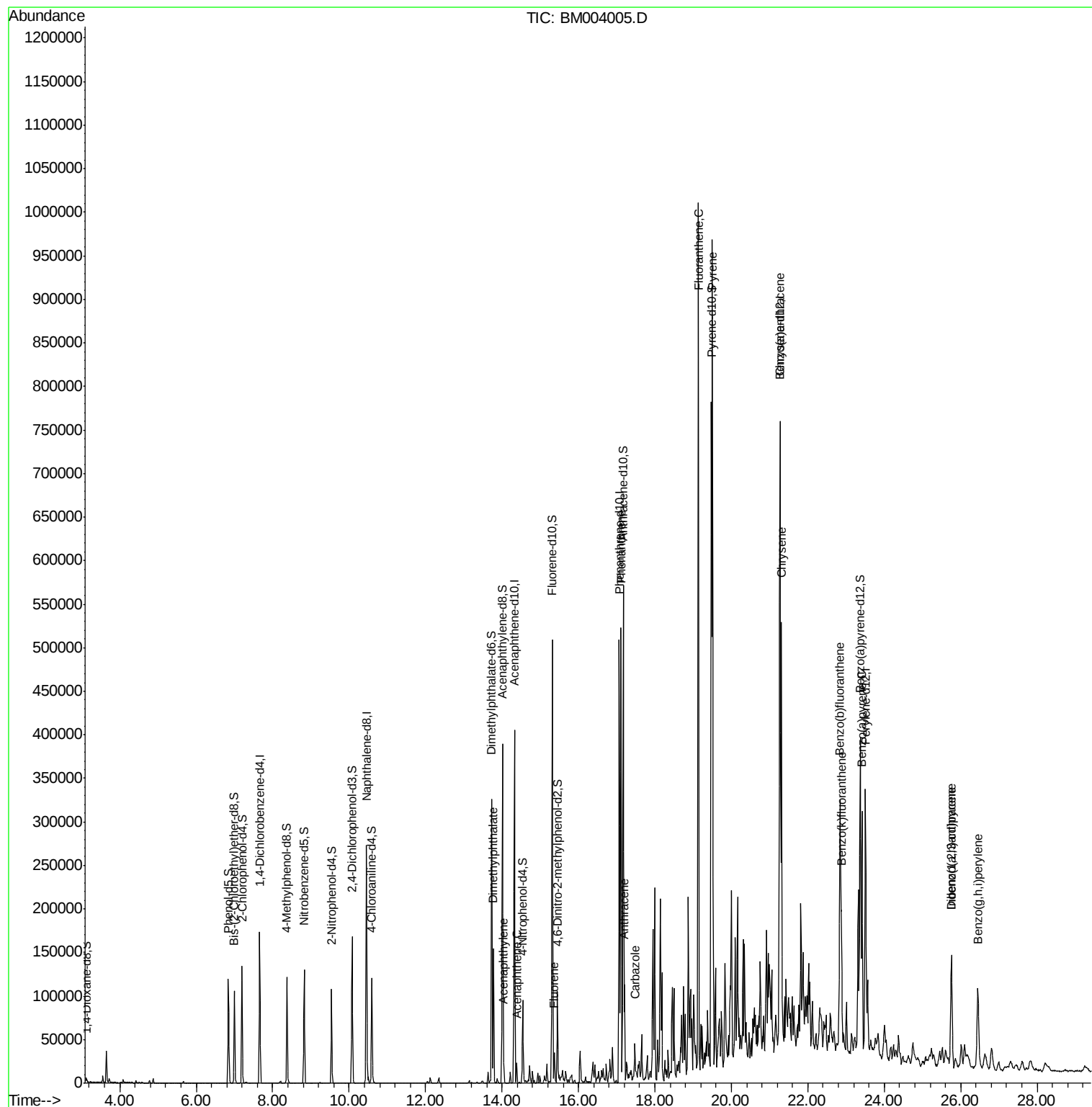
						Qvalue
45) Dimethylphthalate	13.77	163	96512	9.13	ng/ul	99
48) Acenaphthylene	14.04	152	19556	1.41	ng/ul	96
50) Acenaphthene	14.39	153	10877	1.19	ng/ul	98
59) Fluorene	15.37	166	16412	1.62	ng/ul	97
70) Phenanthrene	17.11	178	312442	19.08	ng/ul	99
72) Anthracene	17.20	178	69711	4.15	ng/ul	99
75) Carbazole	17.47	167	23446	1.59	ng/ul	97
77) Fluoranthene	19.14	202	549684	32.30	ng/ul	98
80) Pyrene	19.50	202	574196	35.30	ng/ul	97
83) Benzo(a)anthracene	21.26	228	240411	16.85	ng/ul	97
85) Chrysene	21.31	228	259566	19.15	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	234709	18.53	ng/ul	98
89) Benzo(k)fluoranthene	22.88	252	86302m	7.16	ng/ul	
91) Benzo(a)pyrene	23.42	252	185623	15.46	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.76	276	107151	8.07	ng/ul	97
93) Dibenzo(a,h)anthracene	25.76	278	32750	2.93	ng/ul#	88
94) Benzo(g,h,i)perylene	26.44	276	106955	9.59	ng/ul	97

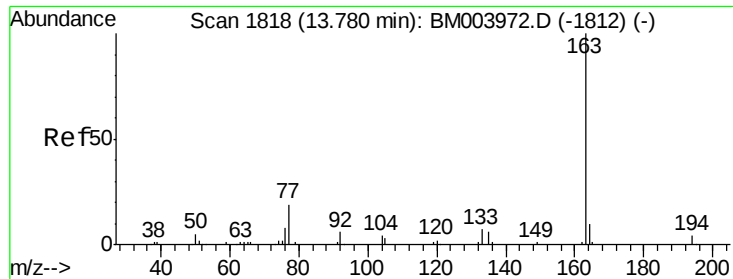
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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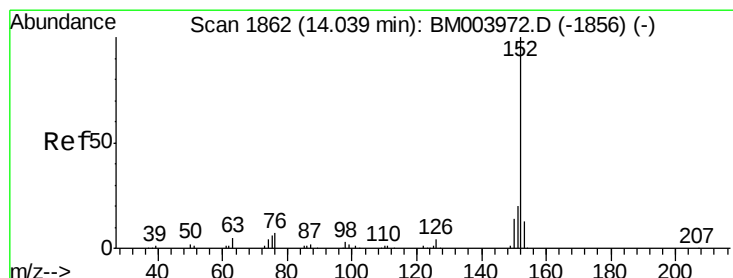
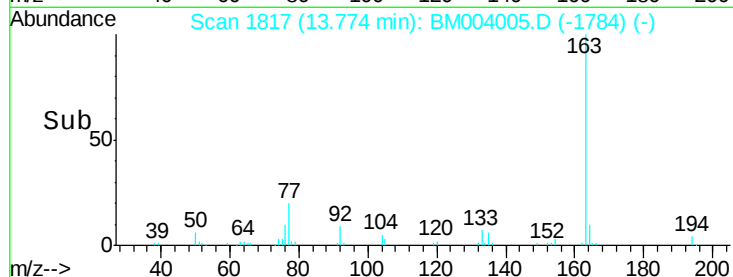
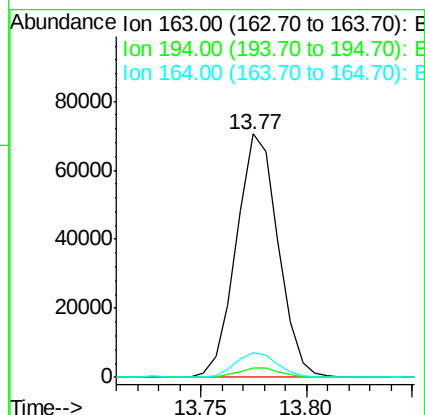
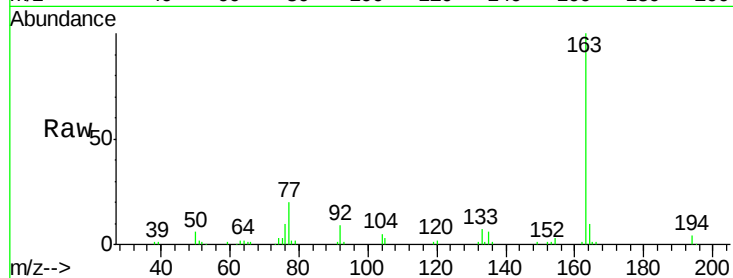




#45
Dimethylphthalate
Concen: 9.13 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM004005.D
Acq: 14 Jan 2016 04:03

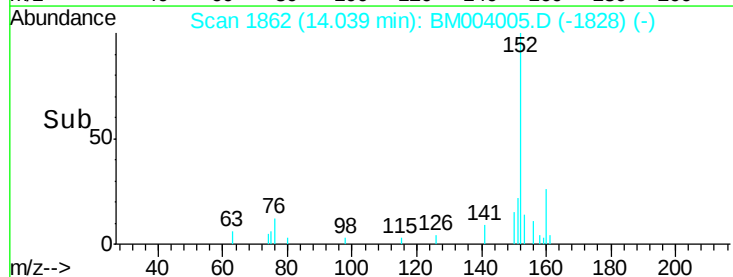
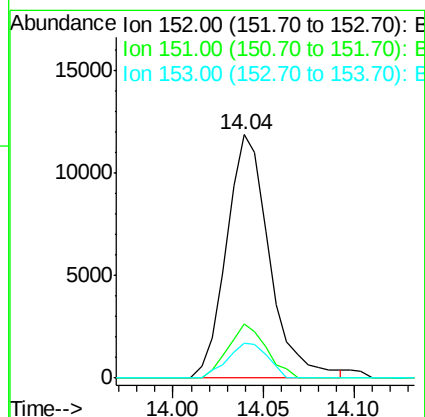
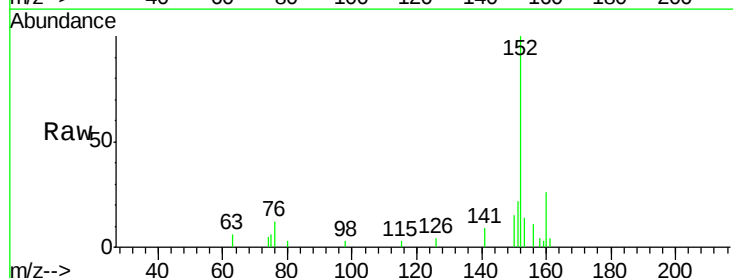
Instrument :
BNA_M
ClientSampleId :

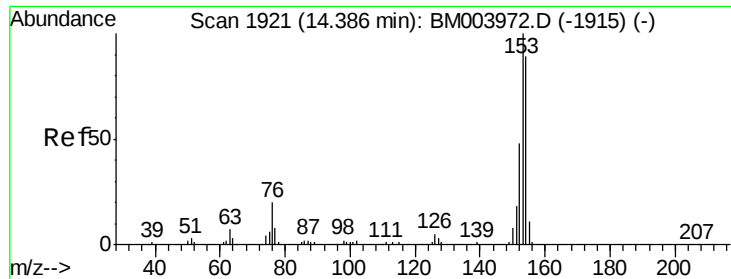
Tgt Ion:163 Resp: 96512
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.1 7.8 11.8



#48
Acenaphthylene
Concen: 1.41 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BM004005.D
Acq: 14 Jan 2016 04:03

Tgt Ion:152 Resp: 19556
Ion Ratio Lower Upper
152 100
151 22.1 15.7 23.5
153 14.3 10.5 15.7





#50

Acenaphthene

Concen: 1.19 ng/ul

RT: 14.39 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

Instrument :

BNA_M

ClientSampleId :

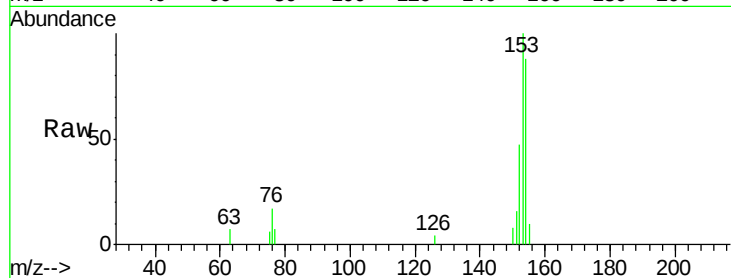
Tgt Ion:153 Resp: 10877

Ion Ratio Lower Upper

153 100

152 46.7 38.3 57.5

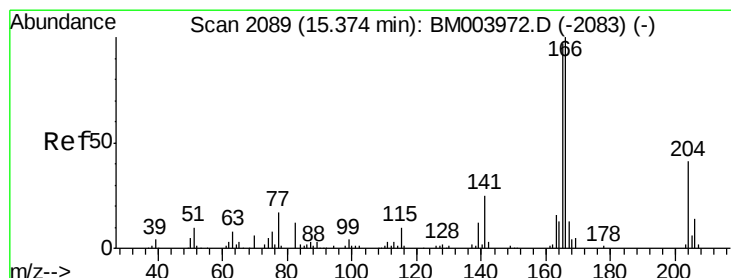
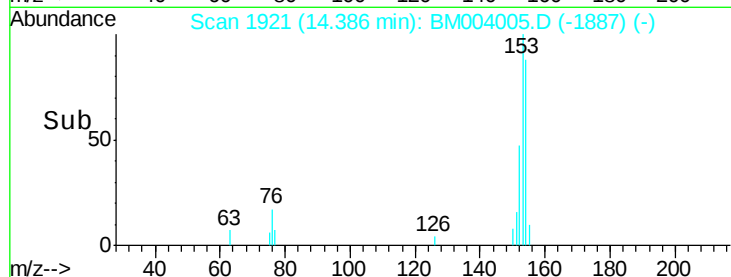
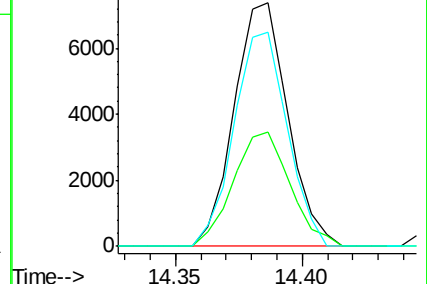
154 88.2 71.8 107.8



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



#59

Fluorene

Concen: 1.62 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

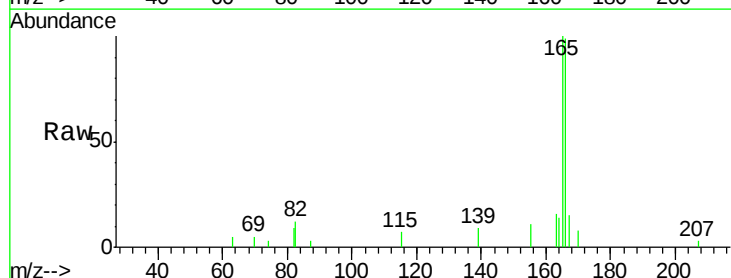
Tgt Ion:166 Resp: 16412

Ion Ratio Lower Upper

166 100

165 101.3 78.5 117.7

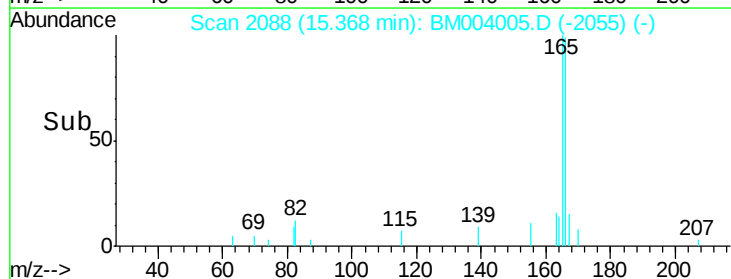
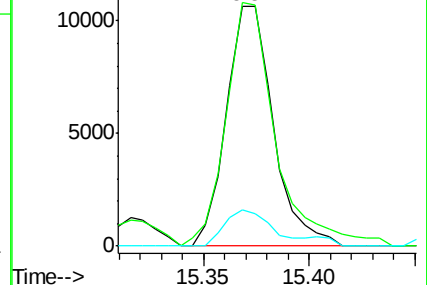
167 15.3 10.7 16.1

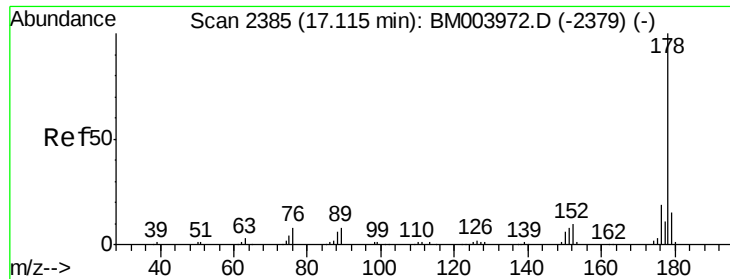


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 19.08 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

Instrument :

BNA_M

ClientSampled :

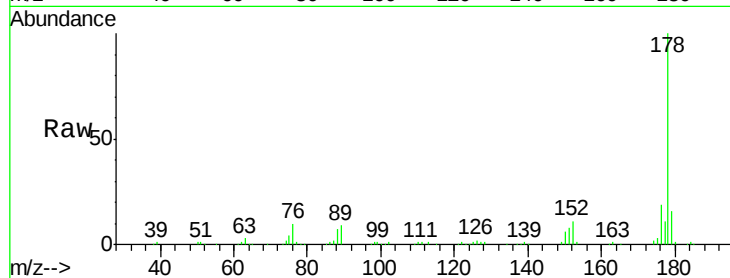
Tgt Ion:178 Resp: 312442

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

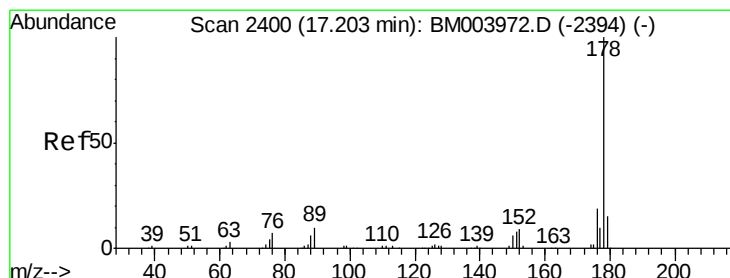
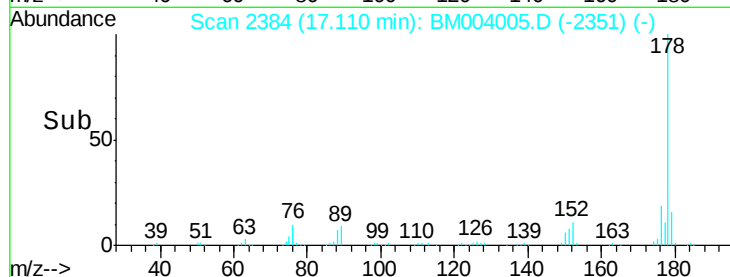
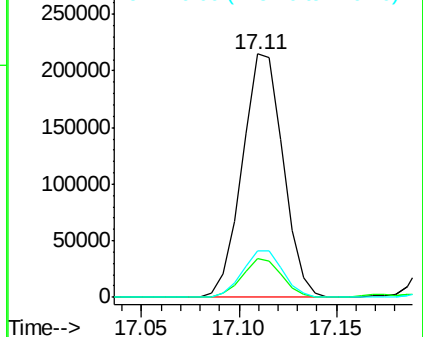
176 19.3 15.6 23.4



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: 4.15 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

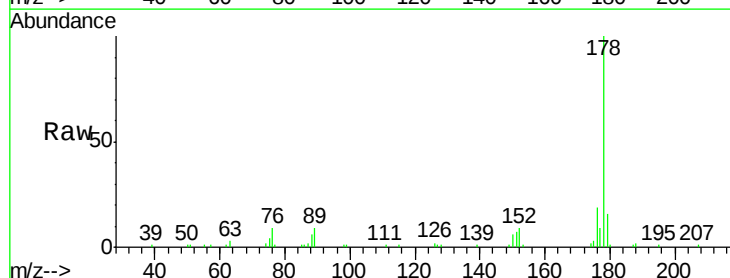
Tgt Ion:178 Resp: 69711

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

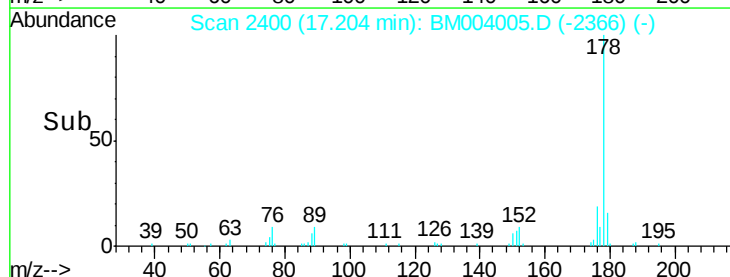
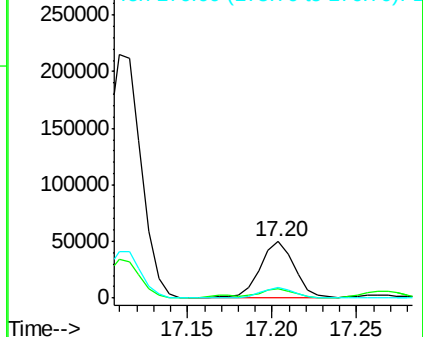
176 18.8 14.8 22.2

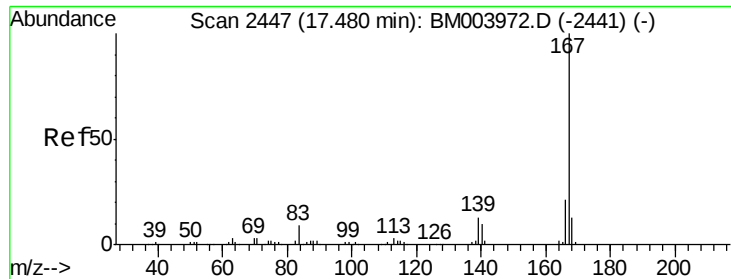


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.59 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

Instrument :

BNA_M

ClientSampleId :

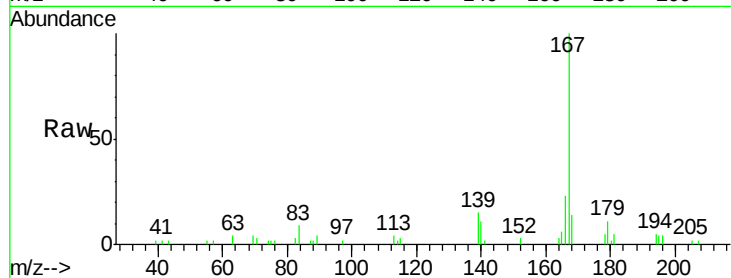
Tgt Ion:167 Resp: 23446

Ion Ratio Lower Upper

167 100

166 22.6 17.0 25.6

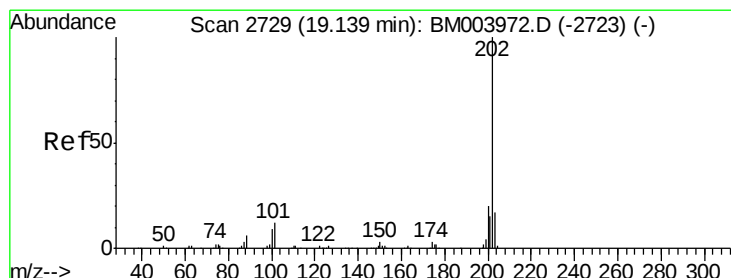
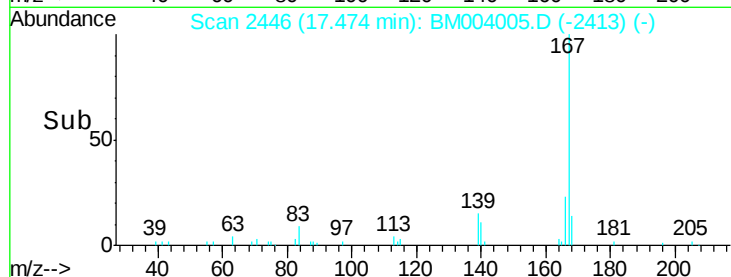
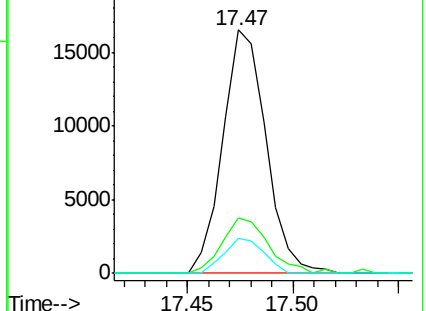
139 14.6 11.0 16.4



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: 32.30 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

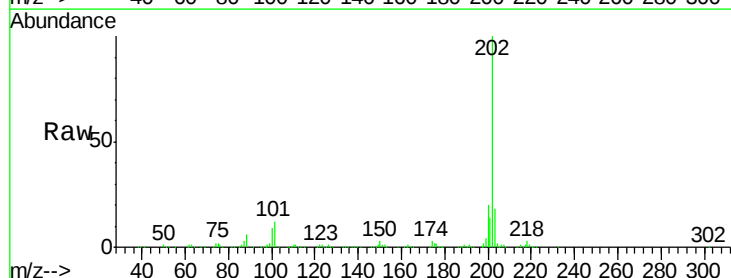
Tgt Ion:202 Resp: 549684

Ion Ratio Lower Upper

202 100

101 11.8 8.8 13.2

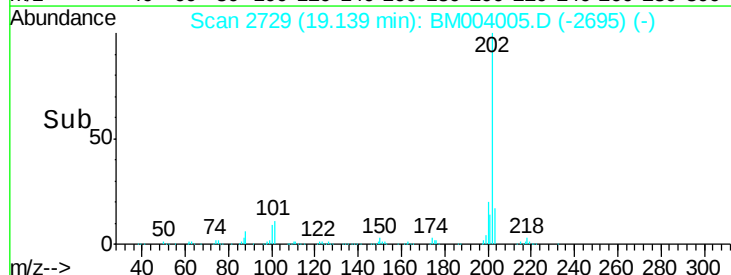
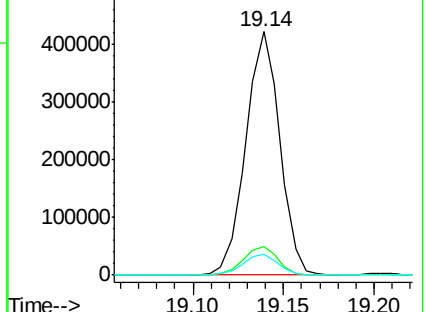
100 8.8 6.6 9.8

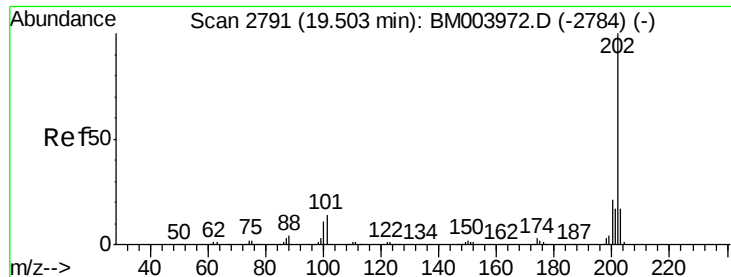


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

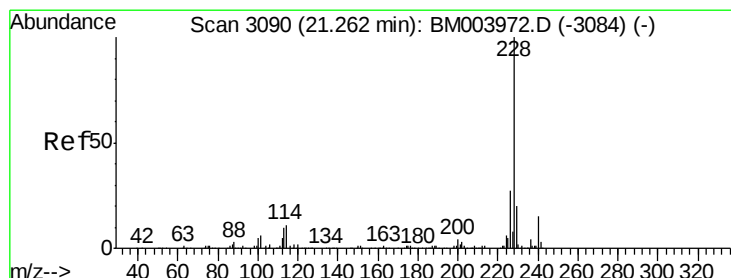
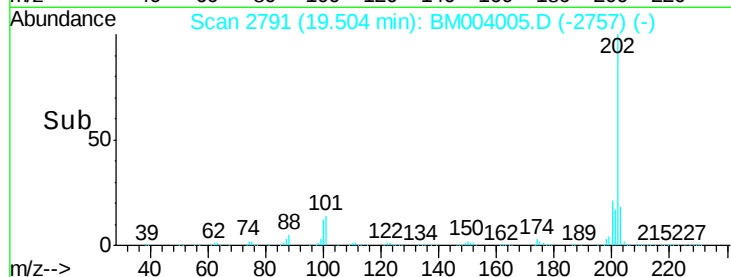
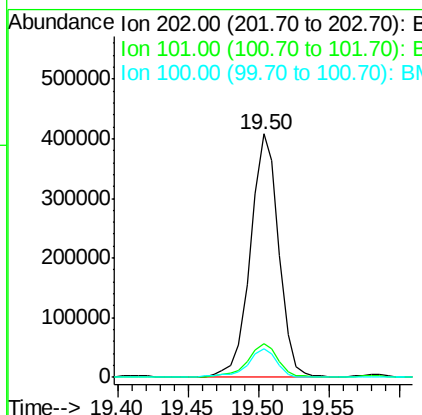
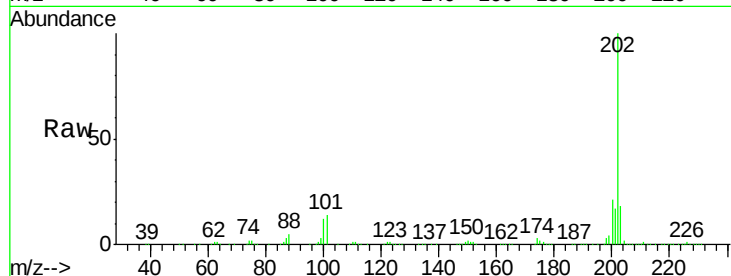




#80
 Pyrene
 Concen: 35.30 ng/ul
 RT: 19.50 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: BM004005.D
 Acq: 14 Jan 2016 04:03

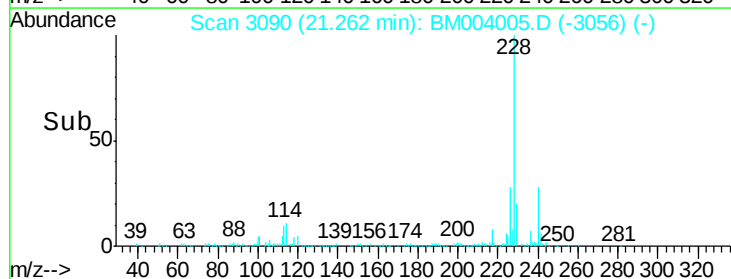
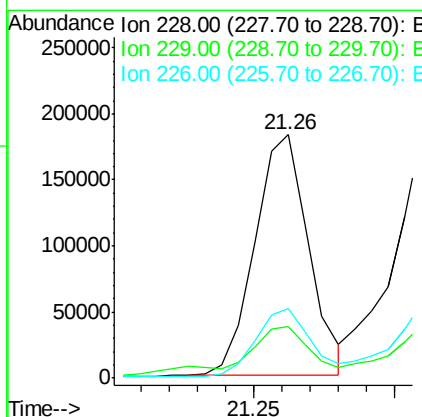
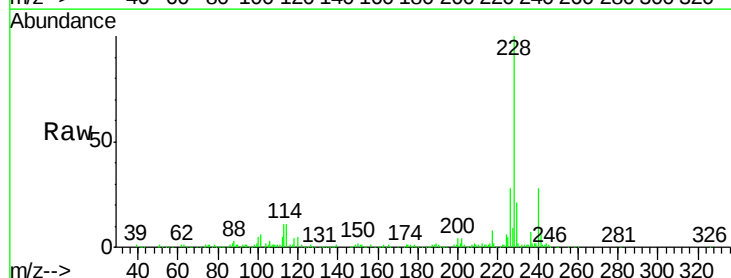
Instrument :
 BNA_M
 ClientSampled :

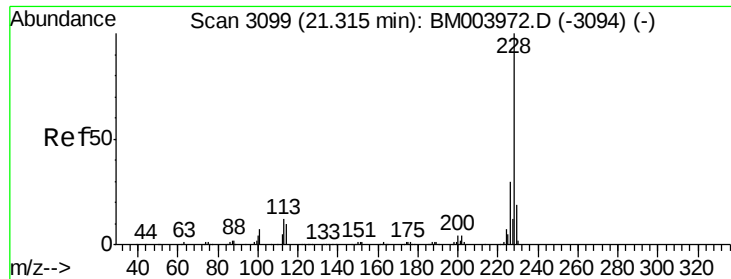
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	10.2	15.2
100	11.6	8.5	12.7



#83
 Benzo(a)anthracene
 Concen: 16.85 ng/ul
 RT: 21.26 min Scan# 3090
 Delta R.T. 0.00 min
 Lab File: BM004005.D
 Acq: 14 Jan 2016 04:03

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.7	23.5
226	28.4	21.8	32.6





#85

Chrysene

Concen: 19.15 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

Instrument :

BNA_M

ClientSampleId :

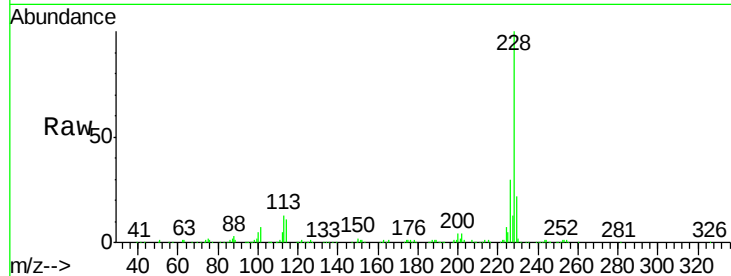
Tgt Ion:228 Resp: 259566

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

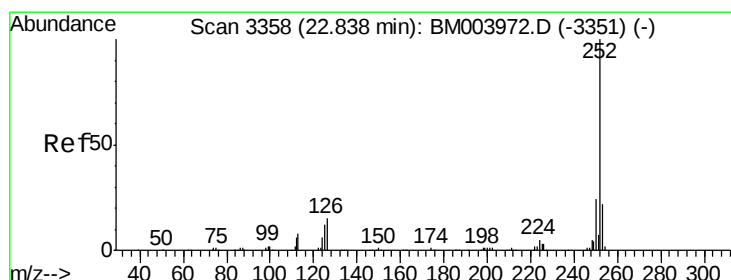
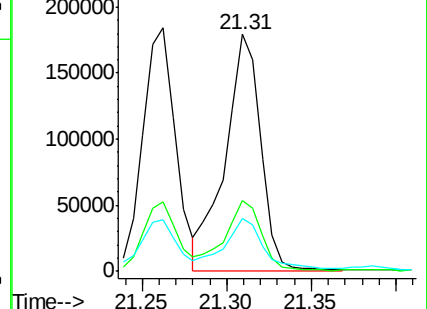
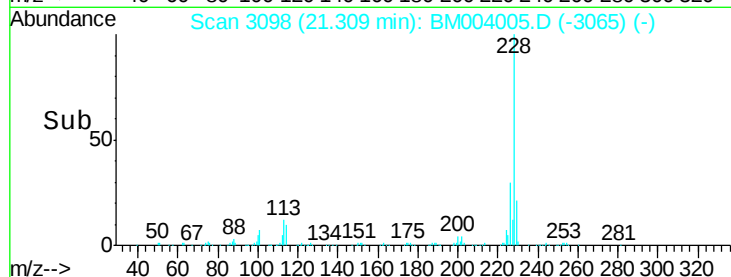
229 22.1 15.6 23.4



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: 18.53 ng/ul

RT: 22.84 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

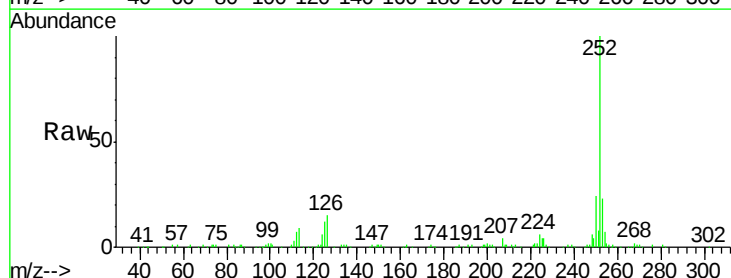
Tgt Ion:252 Resp: 234709

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

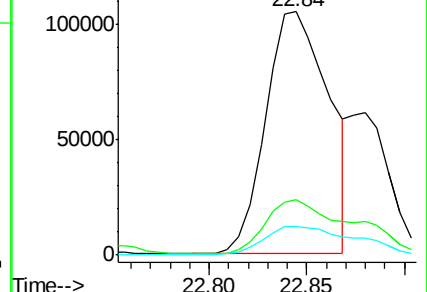
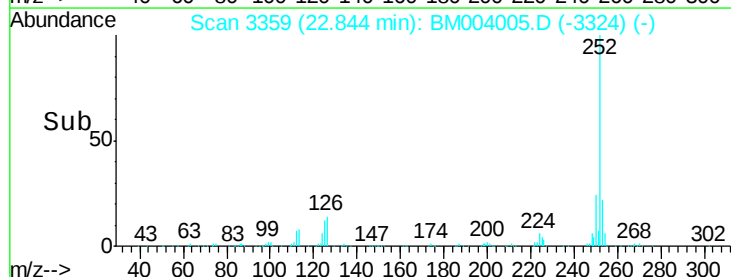
125 12.0 8.5 12.7

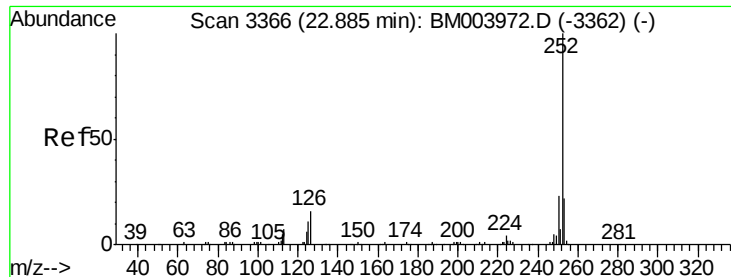


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 7.16 ng/ul m

RT: 22.88 min Scan# 3365

Delta R.T. -0.01 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

Instrument :

BNA_M

ClientSampleId :

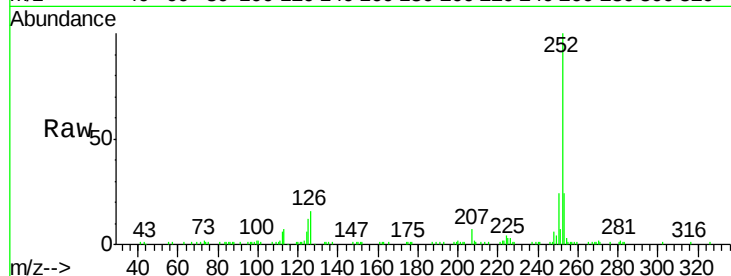
Tgt Ion:252 Resp: 86302

Ion Ratio Lower Upper

252 100

253 23.6 17.3 25.9

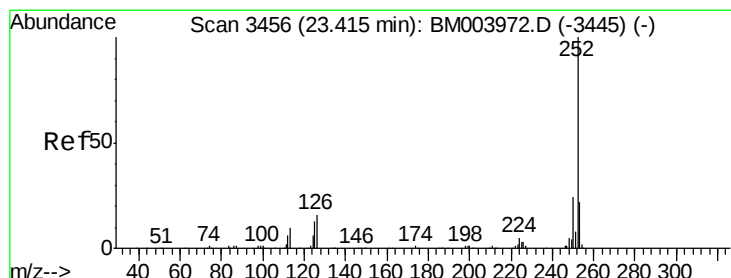
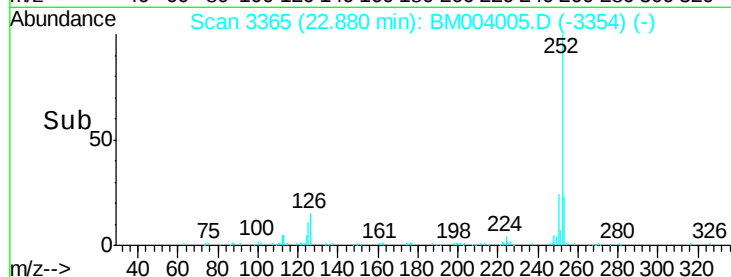
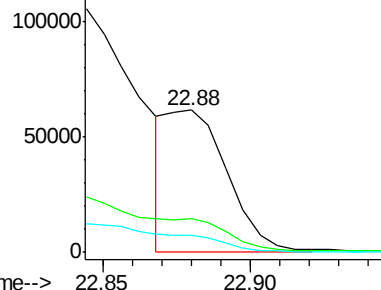
125 11.6 8.2 12.2



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: 15.46 ng/ul

RT: 23.42 min Scan# 3456

Delta R.T. 0.00 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

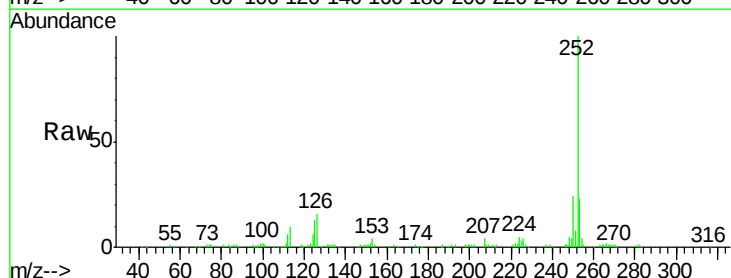
Tgt Ion:252 Resp: 185623

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

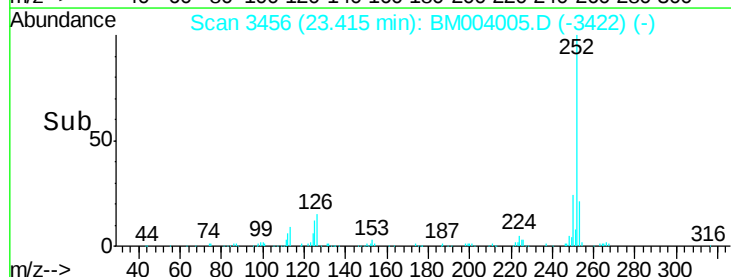
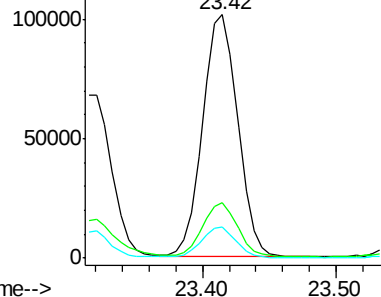
125 12.5 9.0 13.6

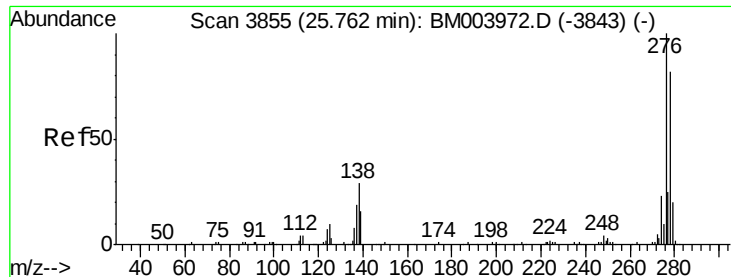


Abundance Ion 252.00 (251.70 to 252.70): E

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: 8.07 ng/ul

RT: 25.76 min Scan# 3854

Delta R.T. -0.01 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

Instrument :

BNA_M

ClientSampleId :

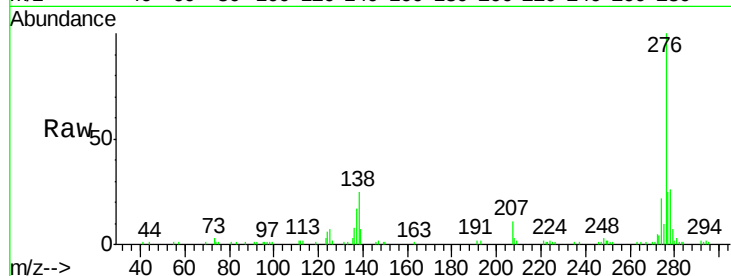
Tgt Ion:276 Resp: 107151

Ion Ratio Lower Upper

276 100

138 24.8 22.3 33.5

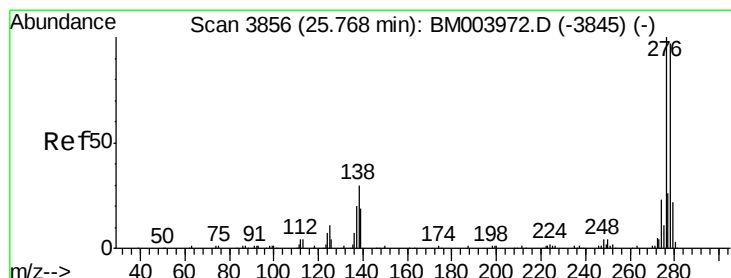
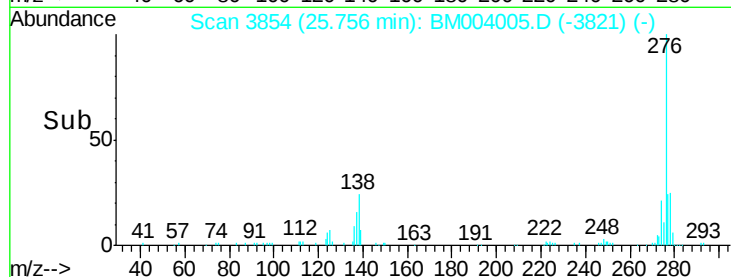
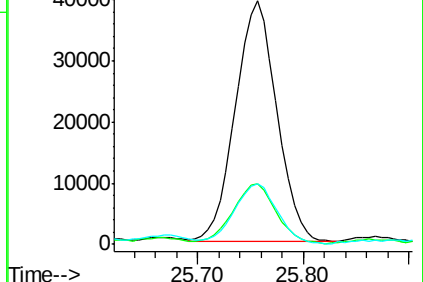
277 25.1 20.2 30.2



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: 2.93 ng/ul

RT: 25.76 min Scan# 3854

Delta R.T. -0.01 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

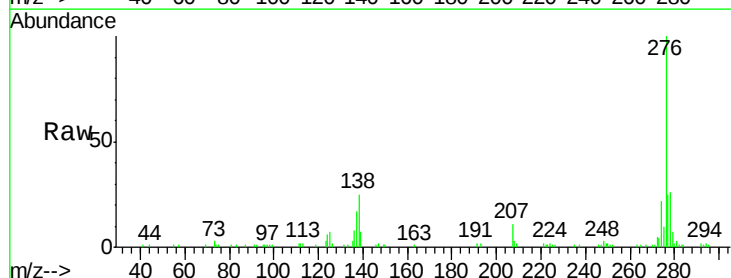
Tgt Ion:278 Resp: 32750

Ion Ratio Lower Upper

278 100

139 25.4 13.9 20.9#

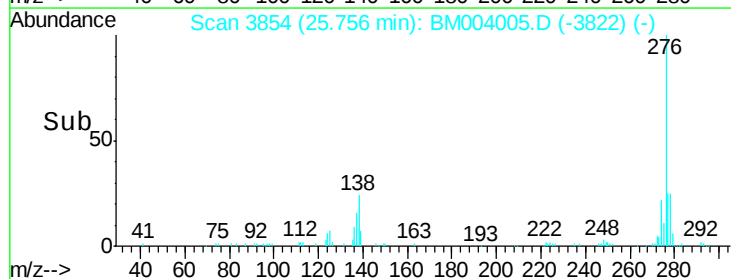
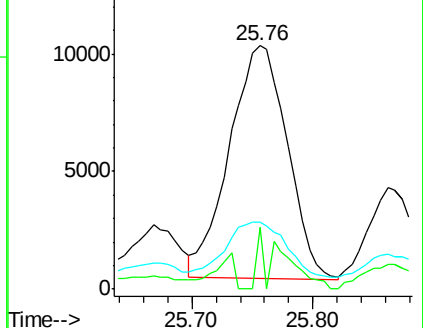
279 27.2 19.0 28.4

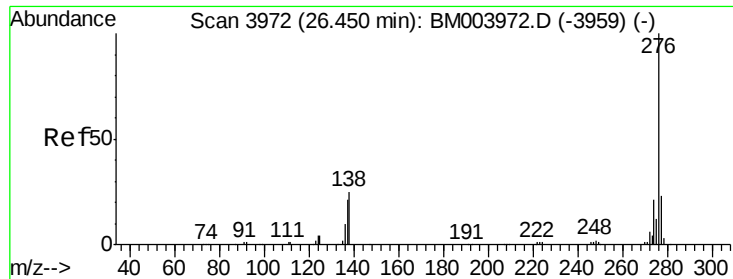


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.59 ng/ul

RT: 26.44 min Scan# 3971

Delta R.T. -0.01 min

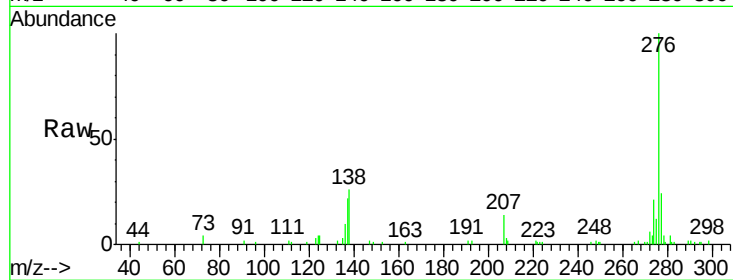
Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:	276	Resp:	106955
Ion	Ratio	Lower	Upper
276	100		
138	25.9	18.9	28.3
277	23.8	19.2	28.8

