

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011316\
 Data File : BM003977.D
 Acq On : 13 Jan 2016 05:05
 Operator : SJ/UM
 Sample : H1095-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC974

Quant Time: Jan 13 06:49:45 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	39357	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	194624	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	118654	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	272409	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	284588	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	232464	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	2998	3.41	ng/uL	0.00
5) Phenol-d5	6.85	99	71730	21.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	41993	22.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	59545	22.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	55814	21.08	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	29108	19.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	31373	19.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	58514	20.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	68956	18.29	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	199831	21.45	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	247720	21.83	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	26321	15.73	ng/ul	0.00
58) Fluorene-d10	15.32	176	181846	23.01	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	22573	14.69	ng/ul	0.00
71) Anthracene-d10	17.17	188	280916	22.30	ng/ul	0.00
79) Pyrene-d10	19.47	212	320477	21.74	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	271483	23.38	ng/ul	0.00

Target Compounds

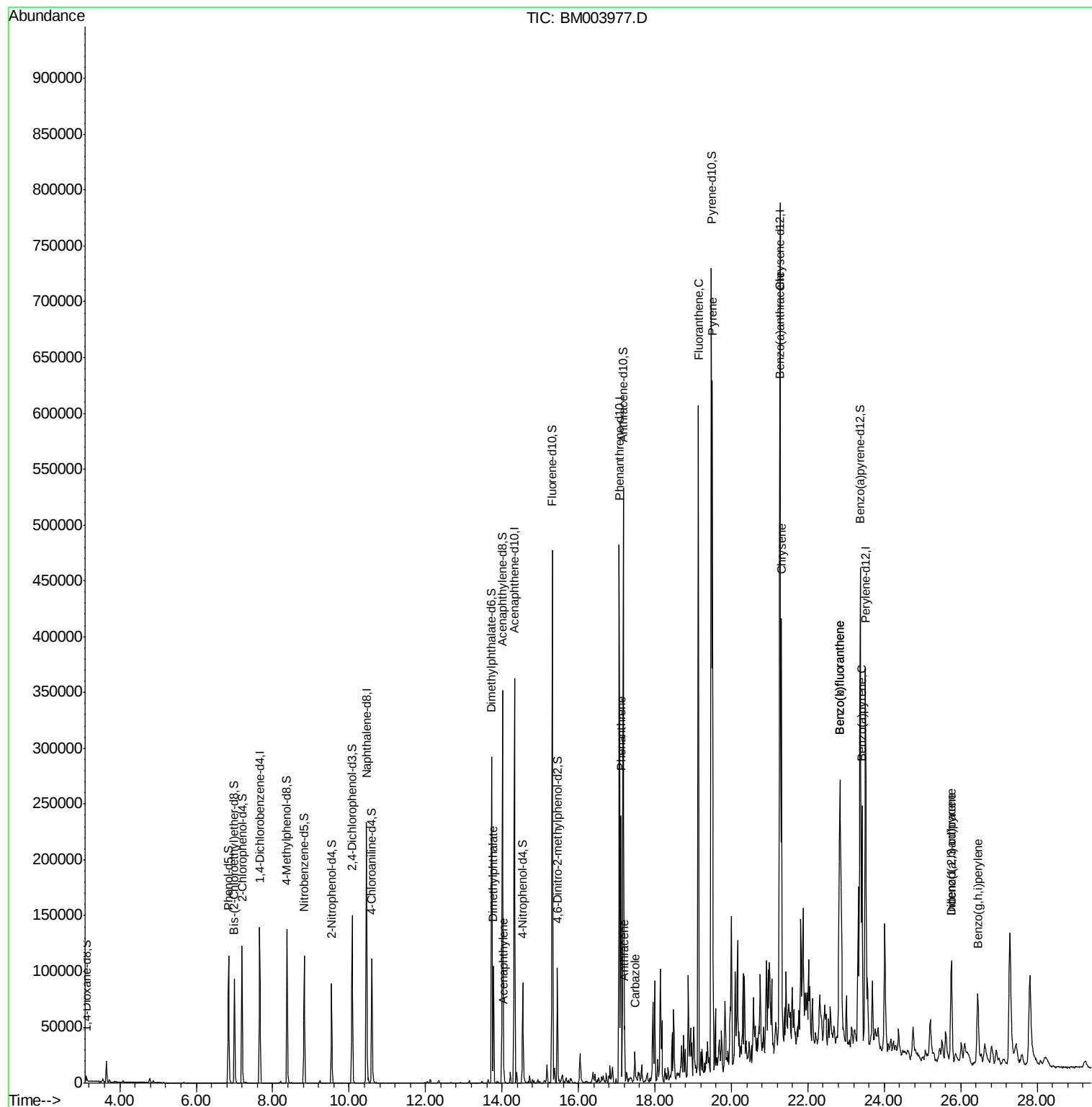
						Qvalue
45) Dimethylphthalate	13.77	163	68251	7.19	ng/ul	98
48) Acenaphthylene	14.04	152	12907	1.04	ng/ul	99
70) Phenanthrene	17.11	178	145507	9.50	ng/ul	99
72) Anthracene	17.20	178	32996	2.10	ng/ul	99
75) Carbazole	17.48	167	16869	1.22	ng/ul	97
77) Fluoranthene	19.14	202	336889	21.16	ng/ul	99
80) Pyrene	19.50	202	359093	18.59	ng/ul	97
83) Benzo(a)anthracene	21.26	228	167668	9.89	ng/ul	97
85) Chrysene	21.31	228	192971	11.98	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	189894	13.44	ng/ul	97
89) Benzo(k)fluoranthene	22.84	252	56229	4.18	ng/ul#	96
91) Benzo(a)pyrene	23.42	252	141847	10.58	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.76	276	79633	5.37	ng/ul	97
93) Dibenzo(a,h)anthracene	25.76	278	23630	1.90	ng/ul#	85
94) Benzo(g,h,i)perylene	26.44	276	79081	6.35	ng/ul	98

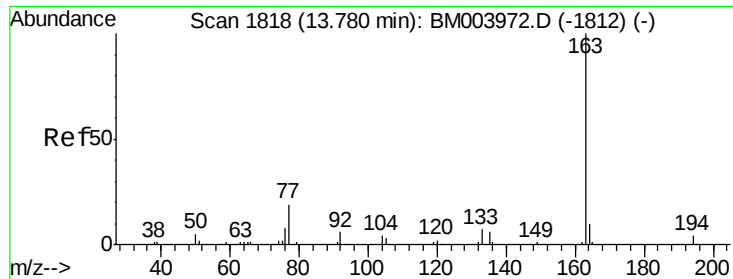
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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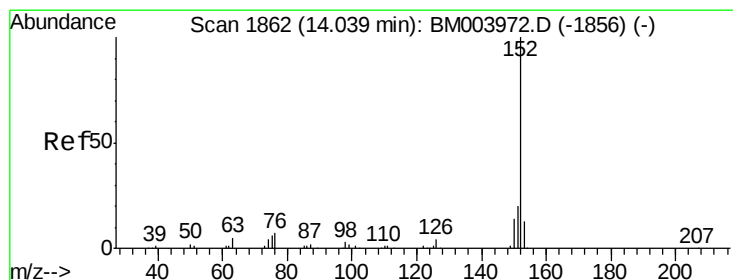
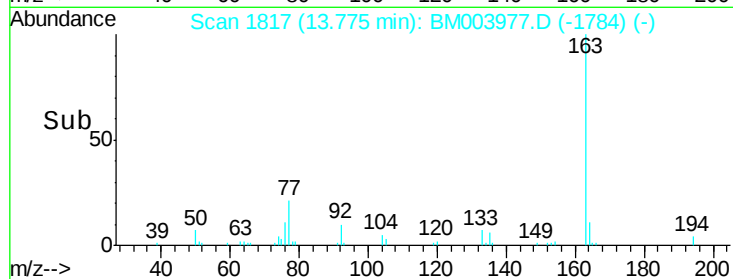
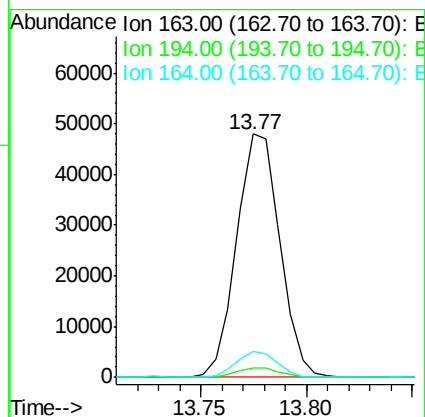
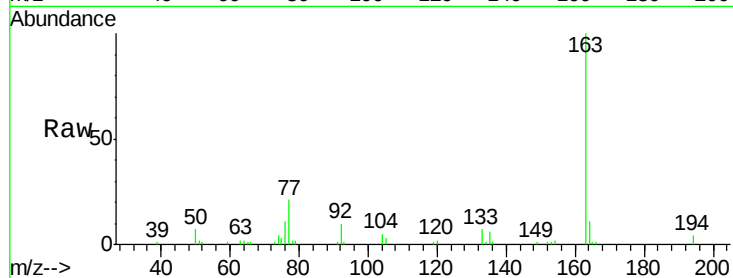




#45
Dimethylphthalate
Concen: 7.19 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM003977.D
Acq: 13 Jan 2016 05:05

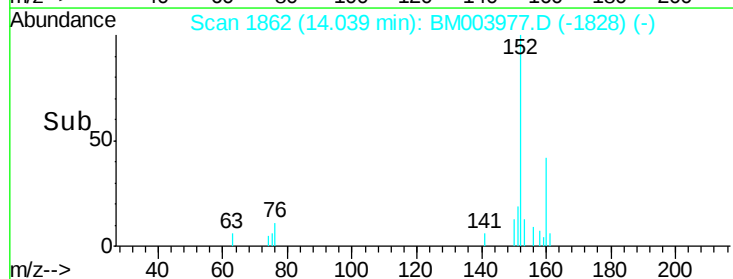
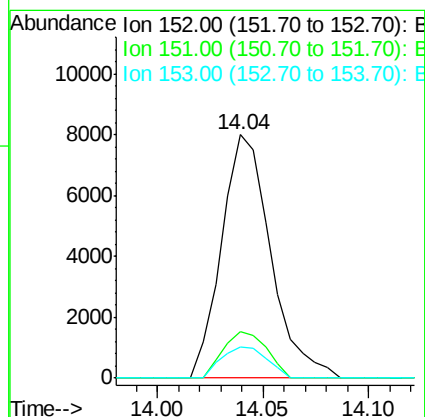
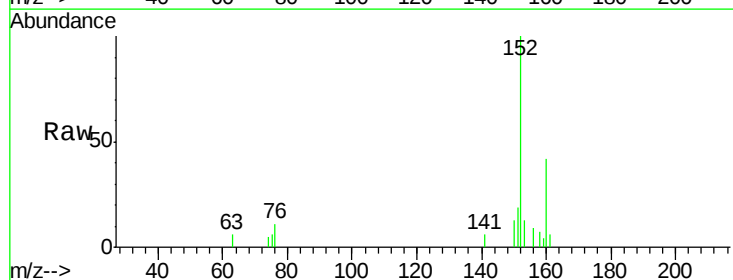
Instrument :
BNA_M
ClientSampleId :
BC974

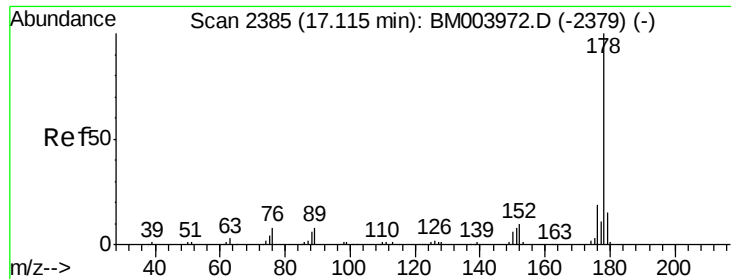
Tgt Ion:163 Resp: 68251
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.5 7.8 11.8



#48
Acenaphthylene
Concen: 1.04 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BM003977.D
Acq: 13 Jan 2016 05:05

Tgt Ion:152 Resp: 12907
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 13.0 10.5 15.7





#70

Phenanthrene

Concen: 9.50 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

Instrument :

BNA_M

ClientSampleId :

BC974

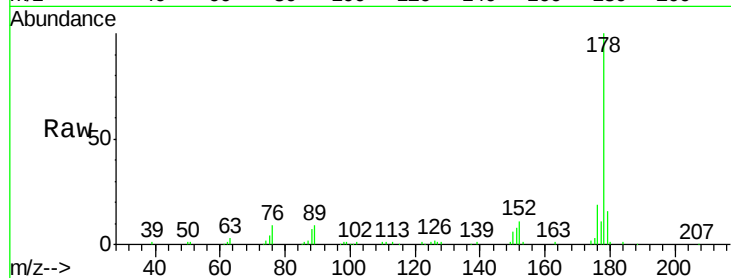
Tgt Ion:178 Resp: 145507

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

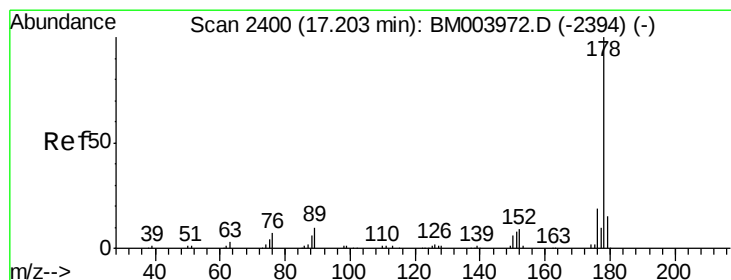
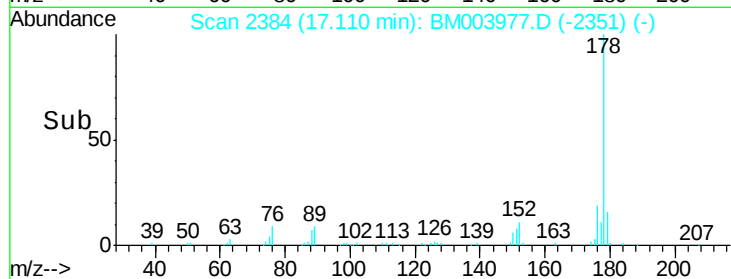
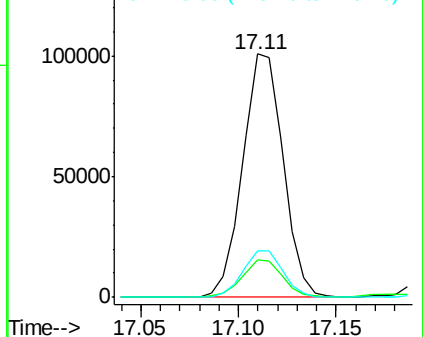
176 18.9 15.6 23.4



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: 2.10 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

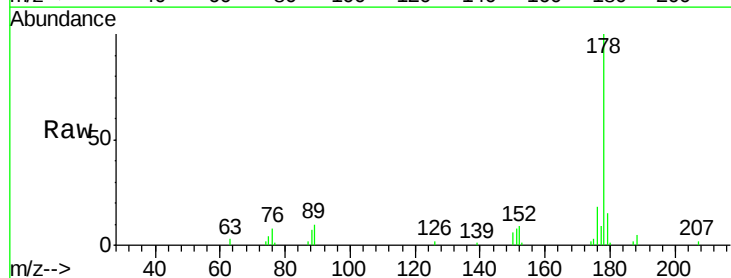
Tgt Ion:178 Resp: 32996

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

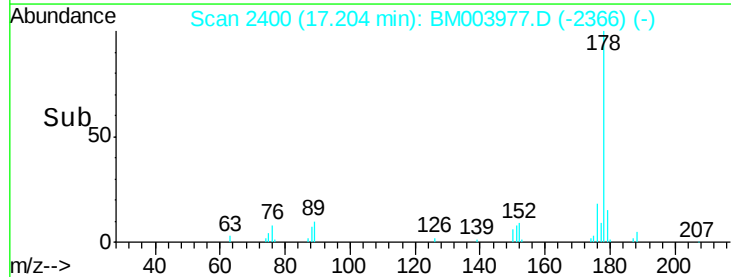
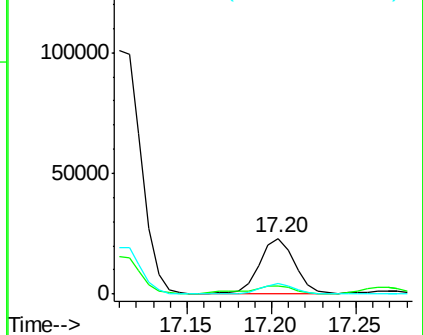
176 18.0 14.8 22.2

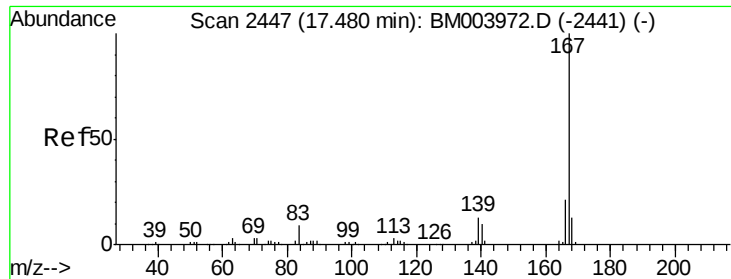


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.22 ng/ul

RT: 17.48 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

Instrument :

BNA_M

ClientSampleId :

BC974

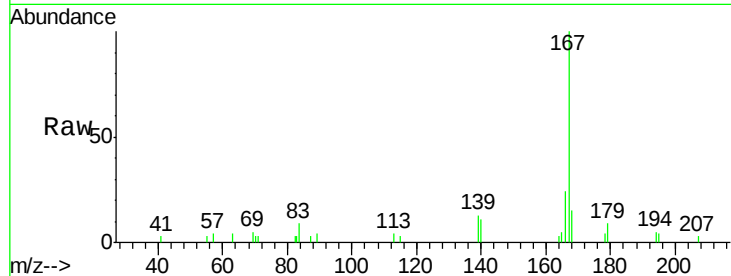
Tgt Ion:167 Resp: 16869

Ion Ratio Lower Upper

167 100

166 23.6 17.0 25.6

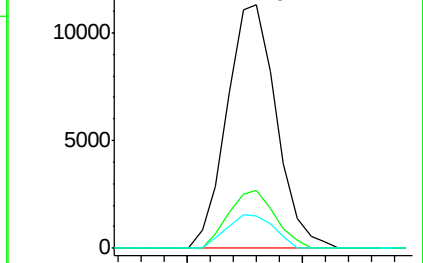
139 13.4 11.0 16.4



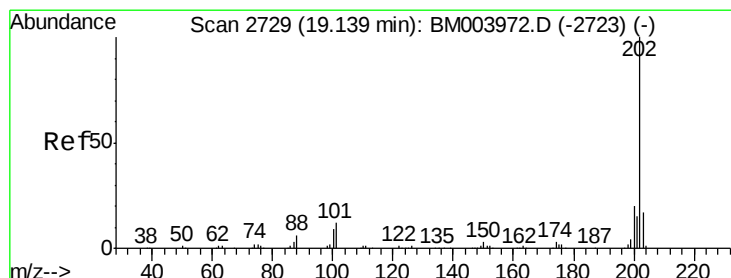
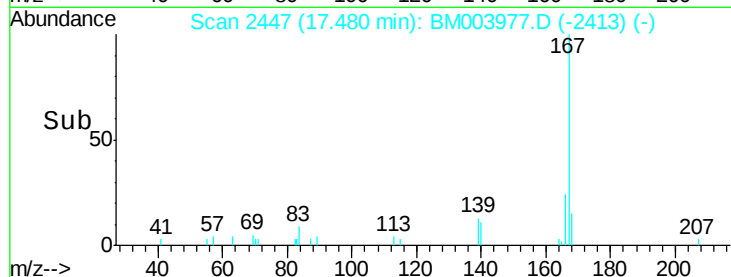
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#77

Fluoranthene

Concen: 21.16 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

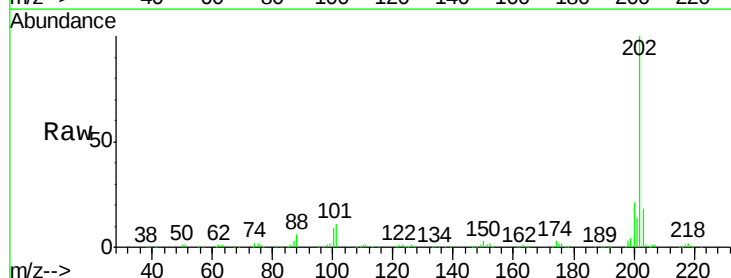
Tgt Ion:202 Resp: 336889

Ion Ratio Lower Upper

202 100

101 11.4 8.8 13.2

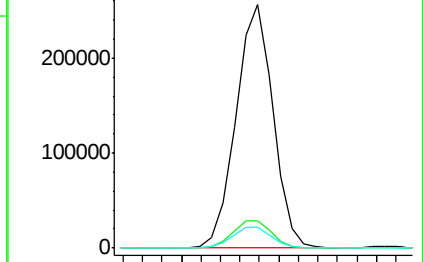
100 8.6 6.6 9.8



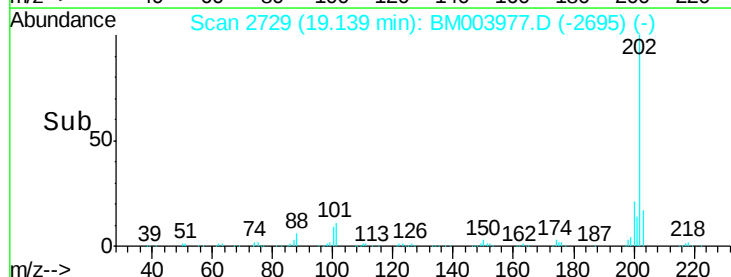
Abundance Ion 202.00 (201.70 to 202.70): E

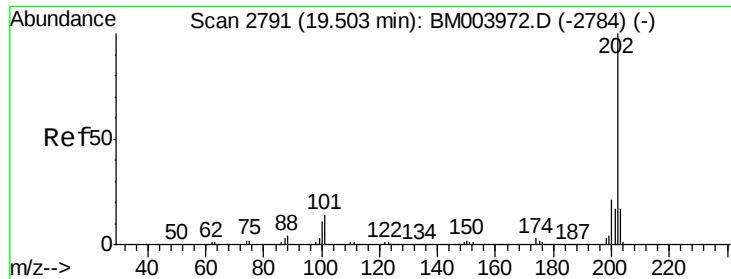
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->

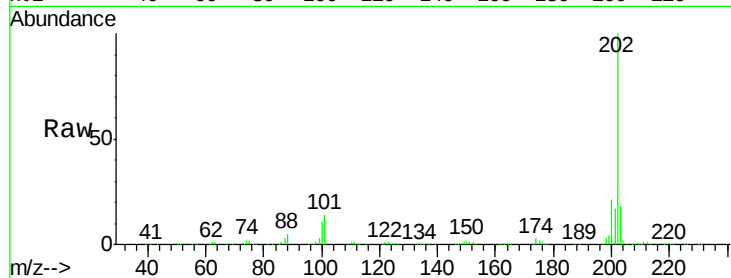




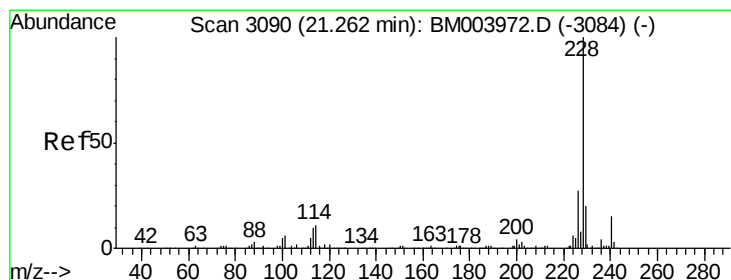
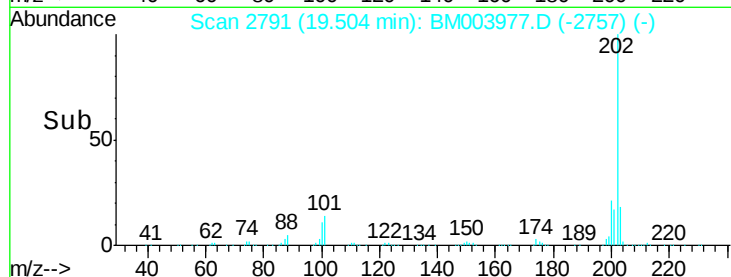
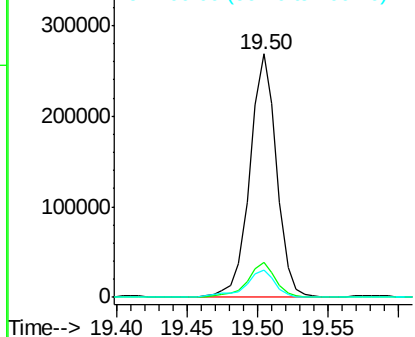
#80
 Pyrene
 Concen: 18.59 ng/u1
 RT: 19.50 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: BM003977.D
 Acq: 13 Jan 2016 05:05

Instrument :
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	10.2	15.2
100	11.1	8.5	12.7

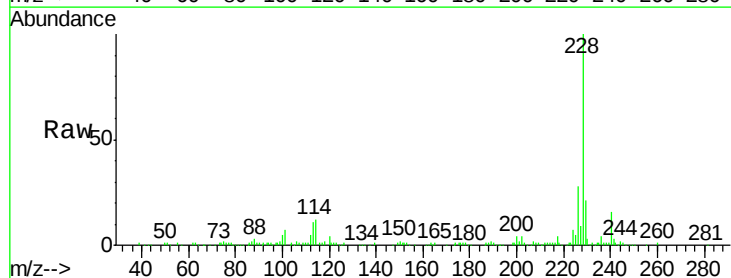


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

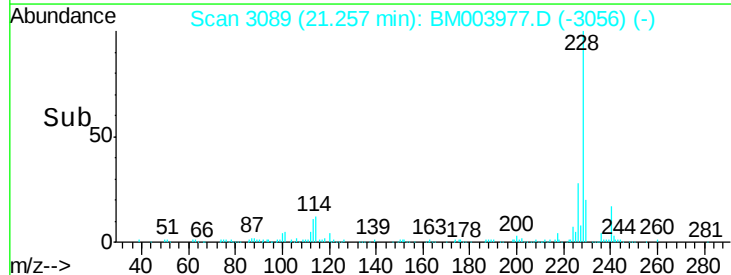
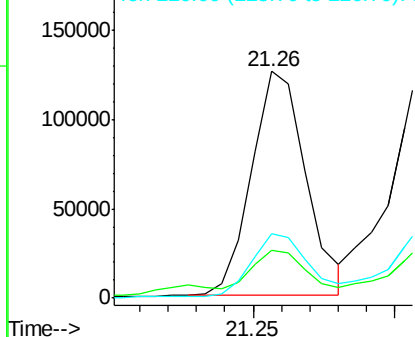


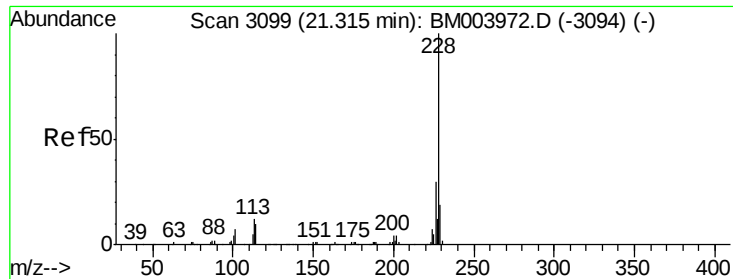
#83
 Benzo(a)anthracene
 Concen: 9.89 ng/u1
 RT: 21.26 min Scan# 3089
 Delta R.T. -0.01 min
 Lab File: BM003977.D
 Acq: 13 Jan 2016 05:05

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.7	23.5
226	28.4	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





#85

Chrysene

Concen: 11.98 ng/u1

RT: 21.31 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

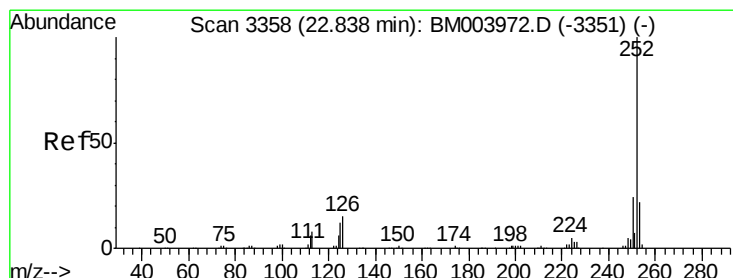
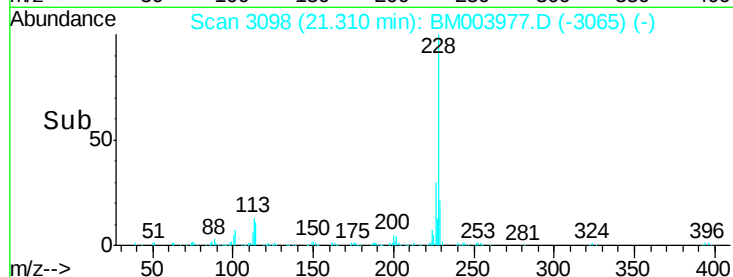
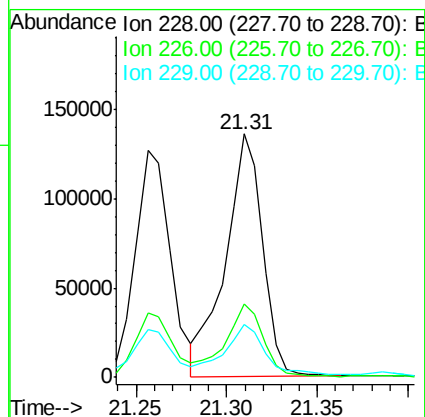
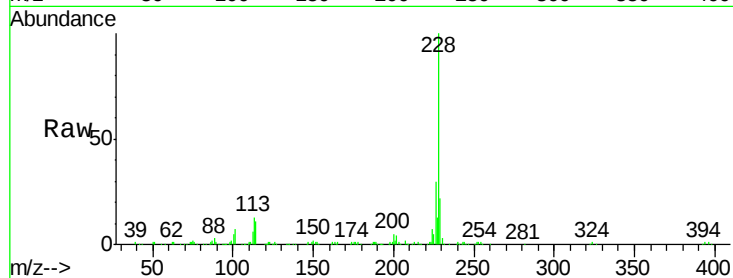
Instrument :

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Tgt Ion:	228	Resp:	192971
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	21.7	15.6	23.4



#88

Benzo(b)fluoranthene

Concen: 13.44 ng/u1

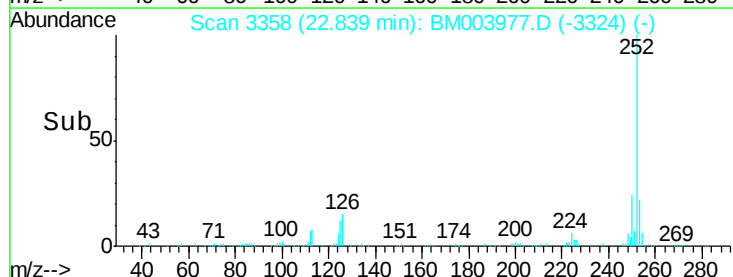
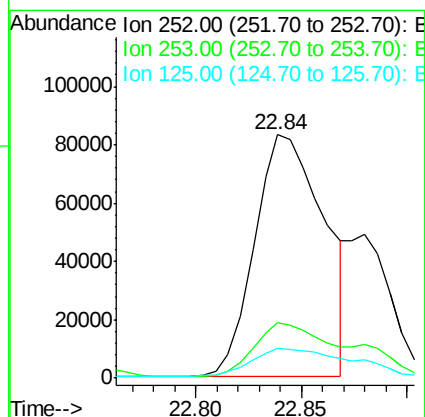
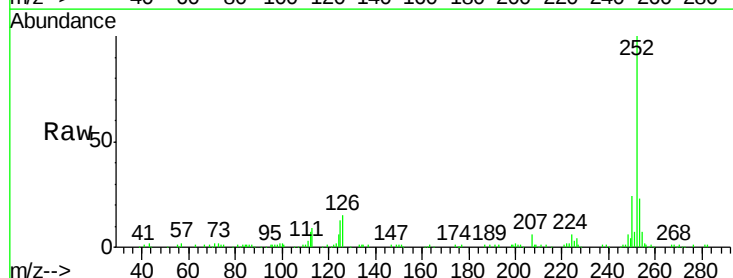
RT: 22.84 min Scan# 3358

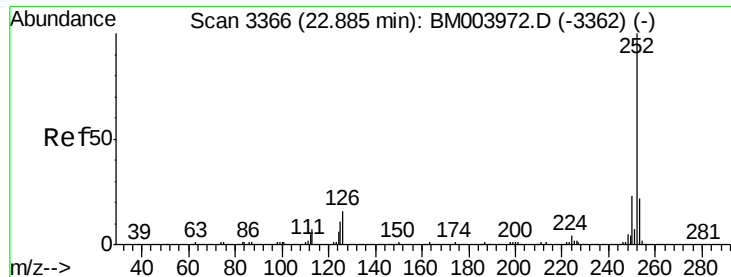
Delta R.T. 0.00 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

Tgt Ion:	252	Resp:	189894
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	12.5	8.5	12.7





#89

Benzo(k)fluoranthene

Concen: 4.18 ng/ul

RT: 22.84 min Scan# 3358

Delta R.T. -0.05 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

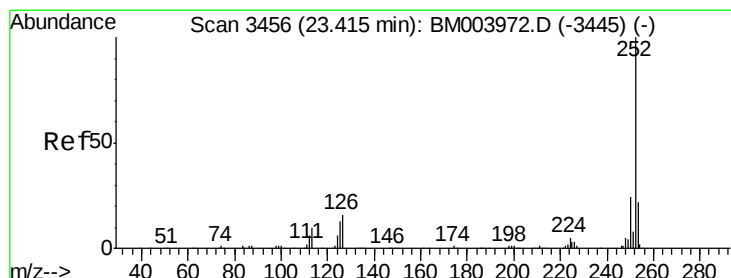
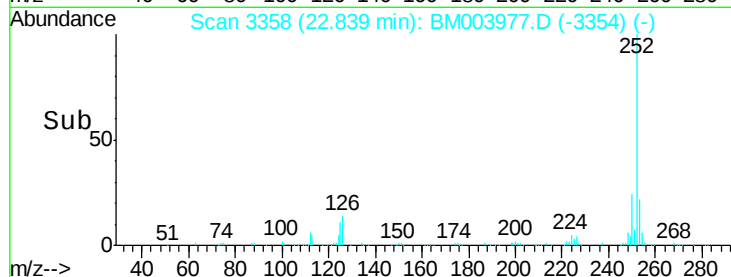
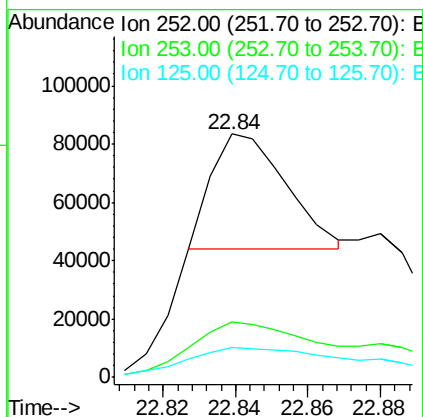
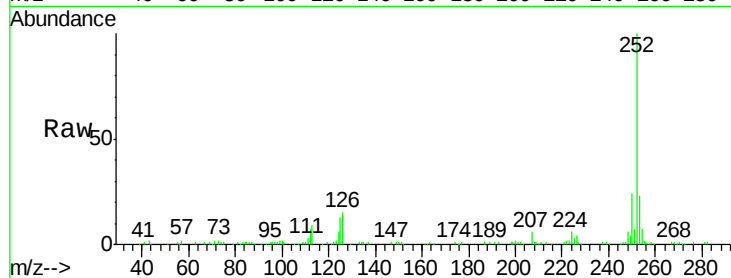
Instrument :

BNA_M

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Tgt Ion:	252	Resp:	56229
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	12.5	8.2	12.2#



#91

Benzo(a)pyrene

Concen: 10.58 ng/ul

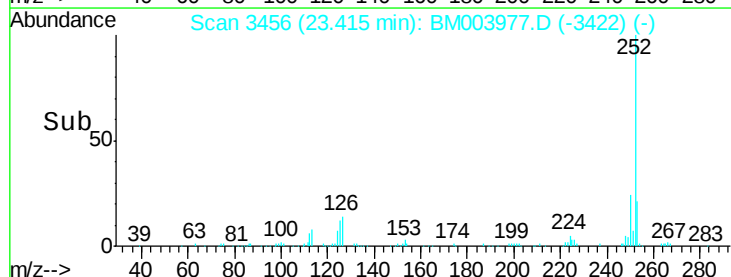
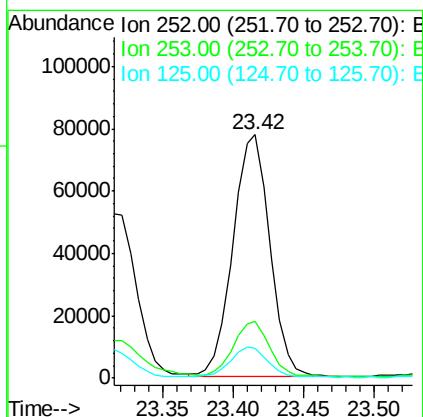
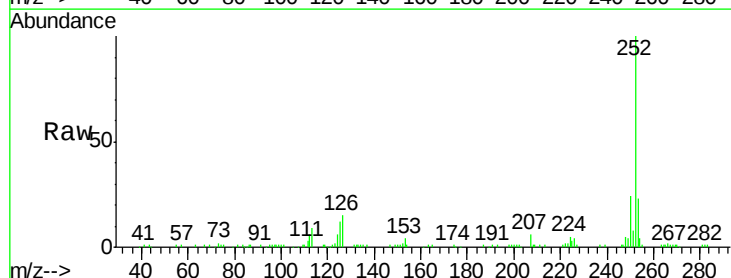
RT: 23.42 min Scan# 3456

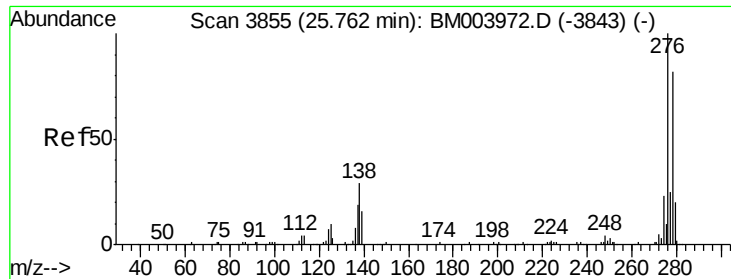
Delta R.T. 0.00 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

Tgt Ion:	252	Resp:	141847
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	12.4	9.0	13.6





#92

Indeno(1,2,3-cd)pyrene

Concen: 5.37 ng/ul

RT: 25.76 min Scan# 3854

Delta R.T. -0.01 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

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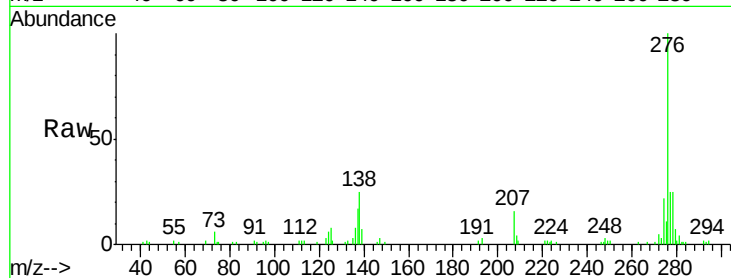
Tgt Ion:276 Resp: 79633

Ion Ratio Lower Upper

276 100

138 24.6 22.3 33.5

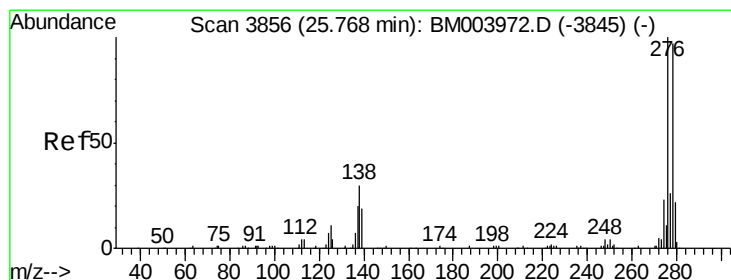
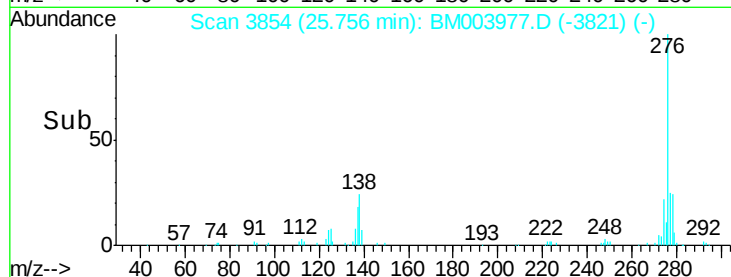
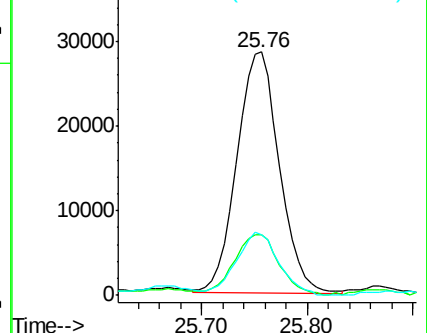
277 25.0 20.2 30.2



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: 1.90 ng/ul

RT: 25.76 min Scan# 3854

Delta R.T. -0.01 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

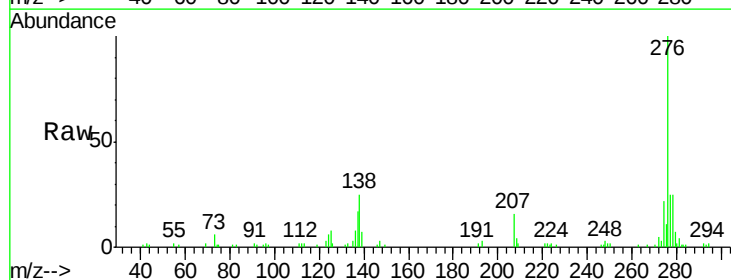
Tgt Ion:278 Resp: 23630

Ion Ratio Lower Upper

278 100

139 26.9 13.9 20.9#

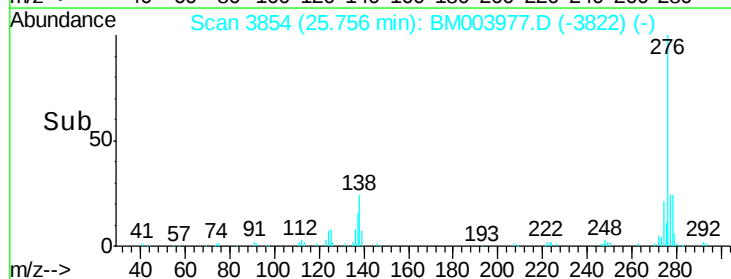
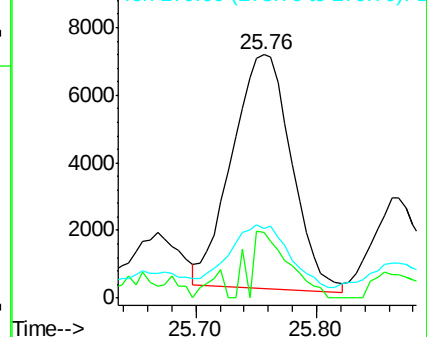
279 28.8 19.0 28.4#

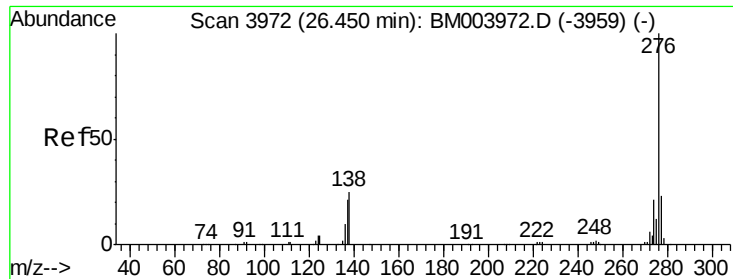


Abundance Ion 278.00 (277.70 to 278.70): E

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: 6.35 ng/ul

RT: 26.44 min Scan# 3971

Delta R.T. -0.01 min

Lab File: BM003977.D

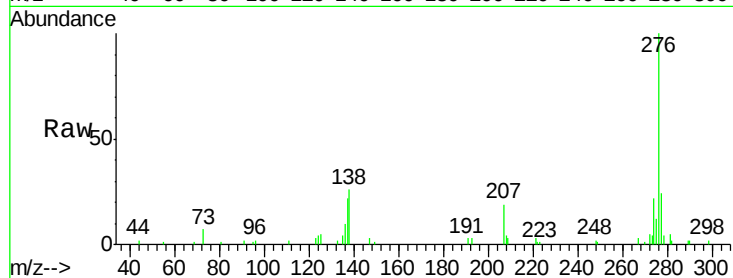
Acq: 13 Jan 2016 05:05

Instrument :

BNA_M

ClientSampleId :

BC974



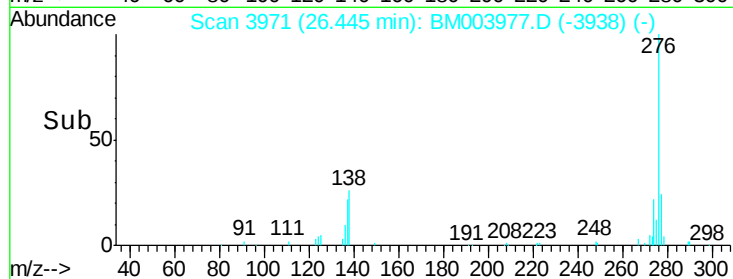
Tgt Ion: 276 Resp: 79081

Ion Ratio Lower Upper

276 100

138 25.9 18.9 28.3

277 23.9 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

