

Data Path : Z:\HPCHEM1\BNA M\DATA\BM070615\
 Data File : BM001873.D
 Acq On : 07 Jul 2015 20:58
 Operator : TP/UM
 Sample : G2861-03
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 08 05:35:06 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 08 05:33:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	66276	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	248087	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	138631	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	301374	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	356609	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	373870	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	1888	1.36	ng/uL	0.00
5) Phenol-d5	6.83	99	42571	8.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	25260	8.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	36436	9.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	31221	7.64	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	16200	9.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	18306	9.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	35367	8.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	25193	6.16	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	94081	9.15	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	126475	9.38	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	10622	5.60	ng/ul	0.00
57) Fluorene-d10	15.32	176	89369	9.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	8993	4.88	ng/ul	0.00
70) Anthracene-d10	17.17	188	129255	9.21	ng/ul	0.00
78) Pyrene-d10	19.47	212	145738	9.65	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.35	264	142077	8.62	ng/ul	0.00

Target Compounds

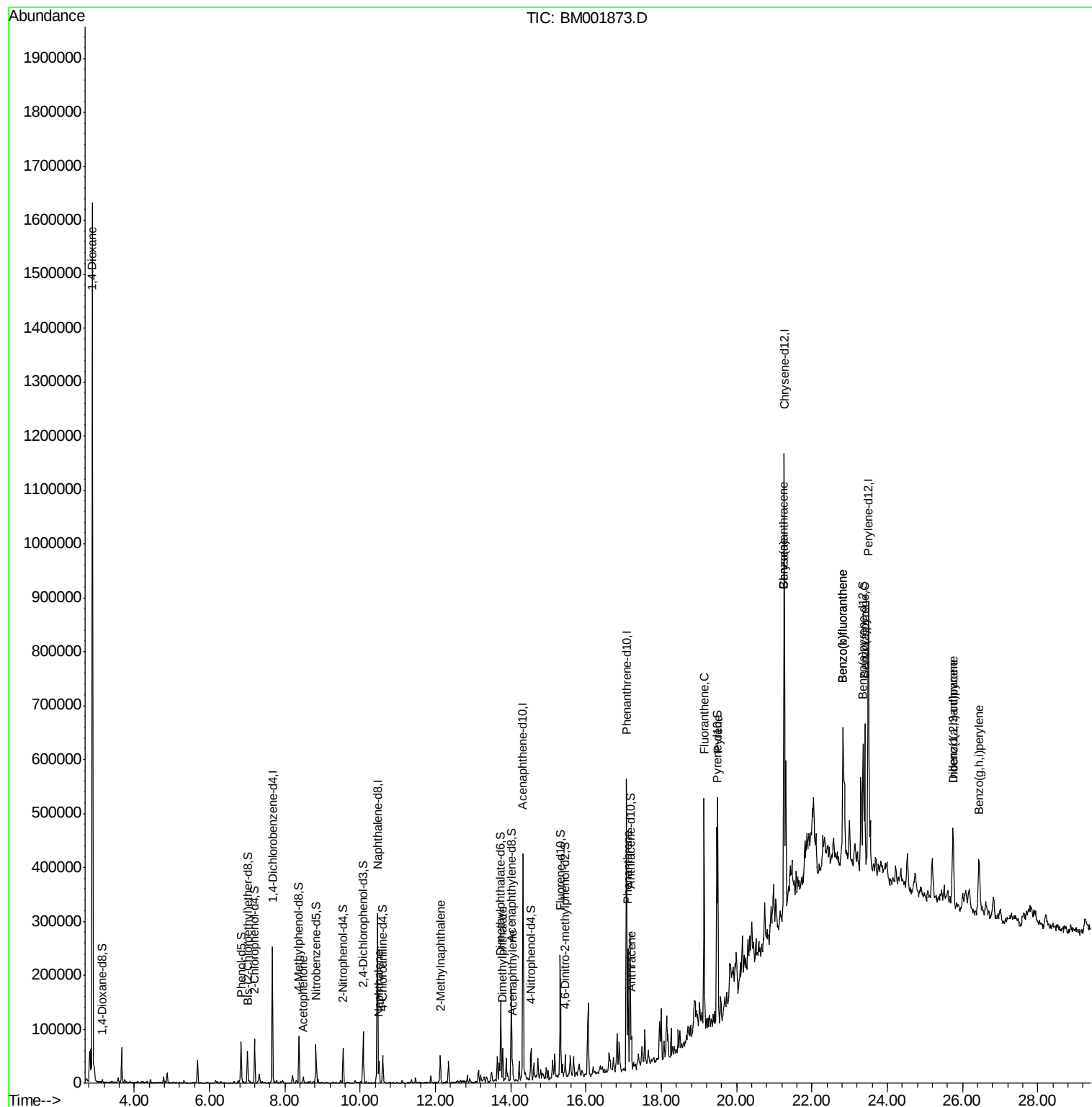
					Ovalue
2) 1,4-Dioxane	2.89	88	12016	7.57 ng/uL#	1
14) Acetophenone	8.49	105	7871	1.21 ng/ul	90
28) Naphthalene	10.50	128	29423	2.35 ng/ul	98
34) 2-Methylnaphthalene	12.13	142	24037	2.65 ng/ul	94
44) Dimethylphthalate	13.78	163	32094	2.86 ng/ul	99
47) Acenaphthylene	14.04	152	19389	1.41 ng/ul#	94
69) Phenanthrene	17.11	178	136940	8.38 ng/ul	99
71) Anthracene	17.20	178	34478	2.05 ng/ul	97
76) Fluoranthene	19.13	202	249082	12.74 ng/ul	98
79) Pyrene	19.50	202	260867	13.19 ng/ul	98
82) Benzo(a)anthracene	21.24	228	161065	7.73 ng/ul	94
84) Chrysene	21.24	228	163242	8.27 ng/ul	98
87) Benzo(b)fluoranthene	22.82	252	241542	11.10 ng/ul	98
88) Benzo(k)fluoranthene	22.82	252	60280	2.87 ng/ul	97
90) Benzo(a)pyrene	23.40	252	177191	8.37 ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.74	276	135177	5.38 ng/ul#	93
92) Dibenzo(a,h)anthracene	25.74	278	36629	1.73 ng/ul#	80
93) Benzo(g,h,i)perylene	26.43	276	132862	6.29 ng/ul	97

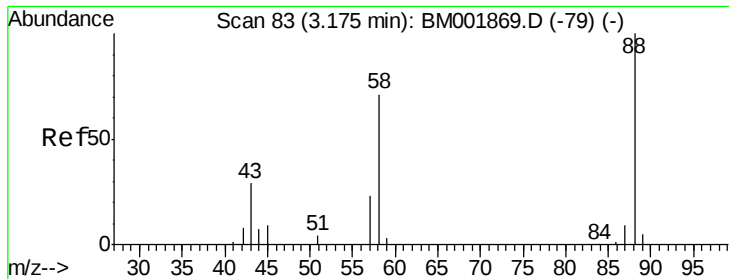
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 7.57 ng/uL

RT: 2.89 min Scan# 34

Delta R.T. -0.29 min

Lab File: BM001873.D

Acq: 07 Jul 2015 20:58

Instrument :

BNA_M

ClientSampleId :

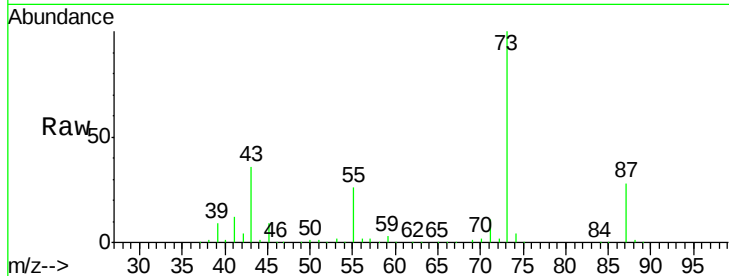
Tot Ion: 88 Resp: 12016

Ion Ratio Lower Upper

88 100

43 2362.6 24.2 36.4#

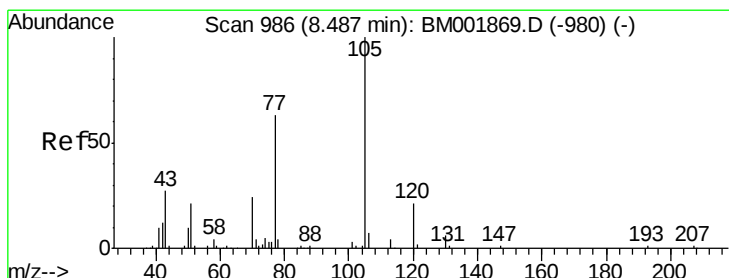
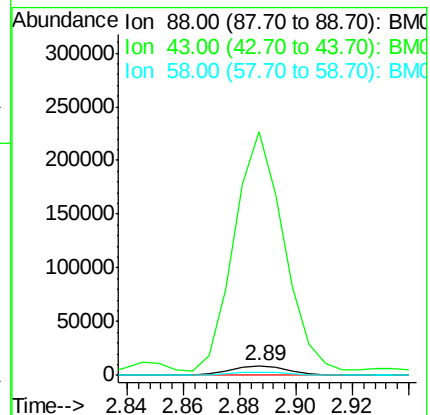
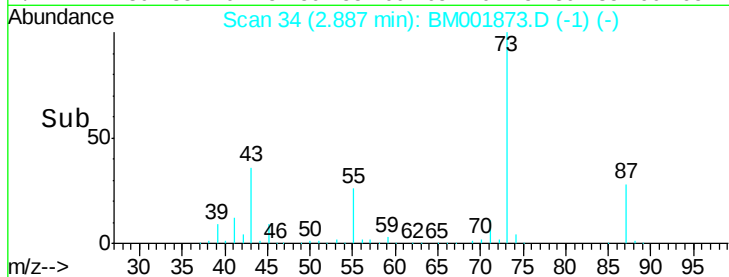
58 29.8 56.2 84.2#



Abundance Ion 88.00 (87.70 to 88.70): BM001869.D (-79) (-)

Ion 43.00 (42.70 to 43.70): BM001869.D (-79) (-)

Ion 58.00 (57.70 to 58.70): BM001869.D (-79) (-)



#14

Acetophenone

Concen: 1.21 ng/uL

RT: 8.49 min Scan# 986

Delta R.T. -0.00 min

Lab File: BM001873.D

Acq: 07 Jul 2015 20:58

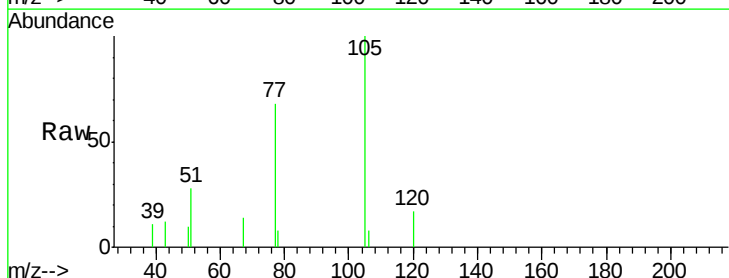
Tgt Ion: 105 Resp: 7871

Ion Ratio Lower Upper

105 100

77 68.4 64.2 96.4

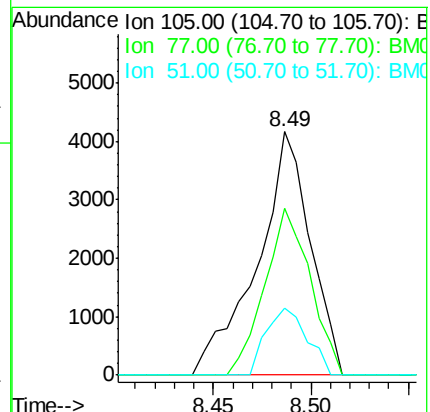
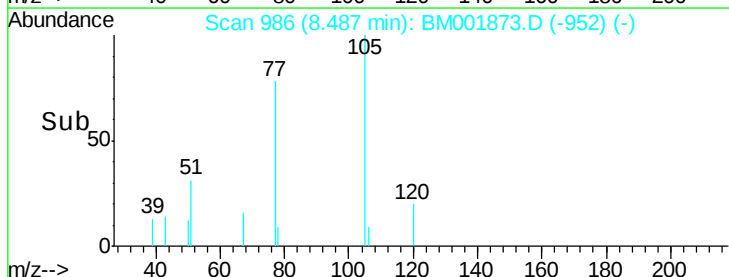
51 27.8 22.0 33.0

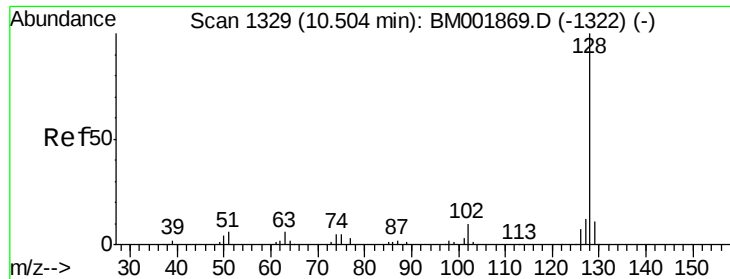


Abundance Ion 105.00 (104.70 to 105.70): BM001869.D (-980) (-)

Ion 77.00 (76.70 to 77.70): BM001869.D (-980) (-)

Ion 51.00 (50.70 to 51.70): BM001869.D (-980) (-)

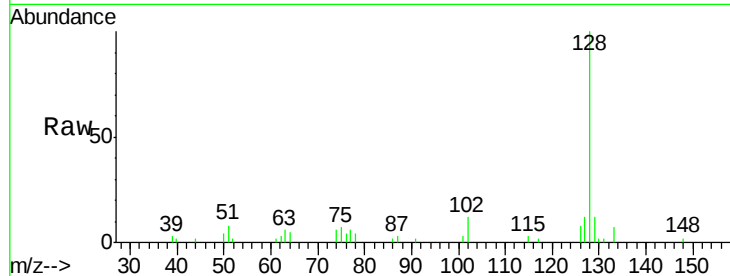




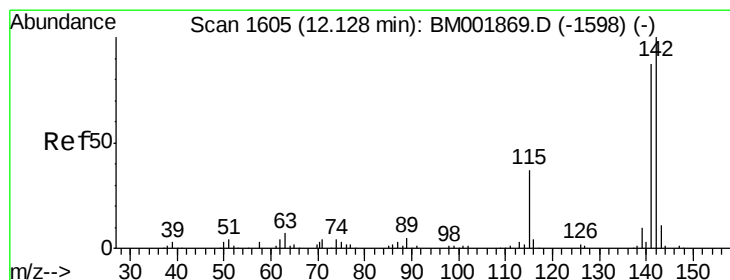
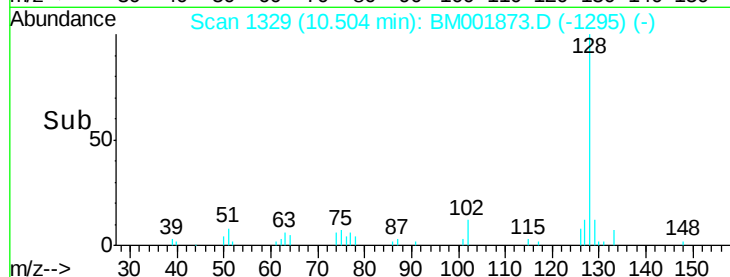
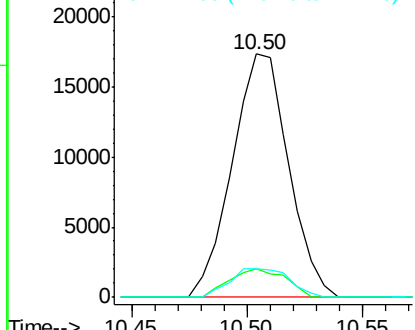
#28
Naphthalene
Concen: 2.35 ng/ul
RT: 10.50 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BM001873.D
Acq: 07 Jul 2015 20:58

Instrument :
BNA_M
ClientSampleId :

Tot Ion:128 Resp: 29423
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 12.0 10.0 15.0

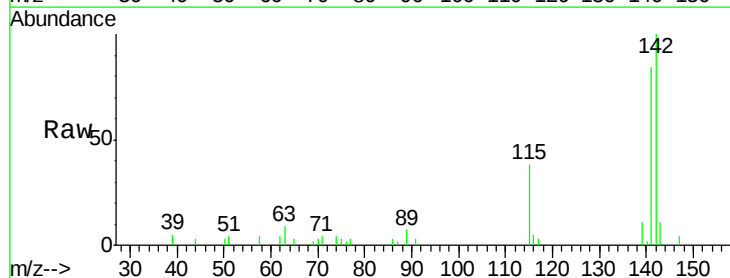


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

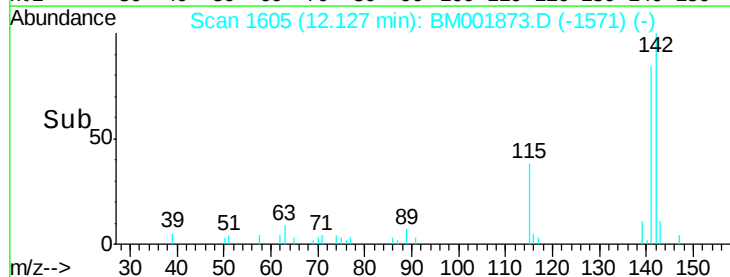
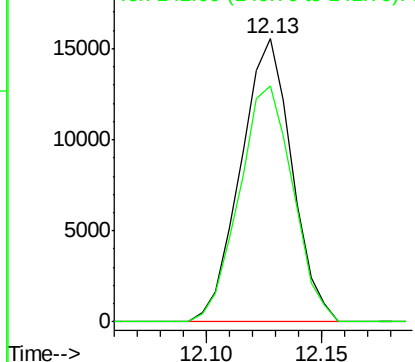


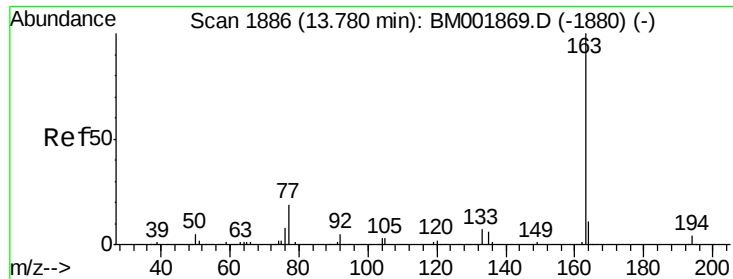
#34
2-Methylnaphthalene
Concen: 2.65 ng/ul
RT: 12.13 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BM001873.D
Acq: 07 Jul 2015 20:58

Tgt Ion:142 Resp: 24037
Ion Ratio Lower Upper
142 100
141 83.5 71.6 107.4



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

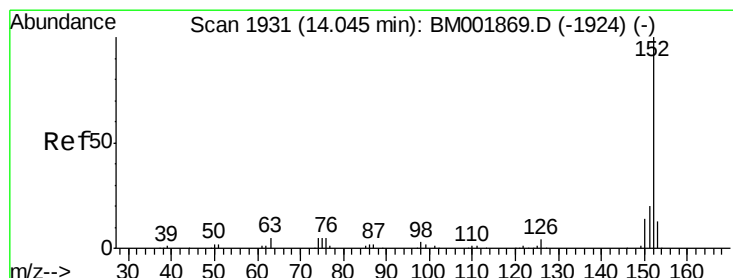
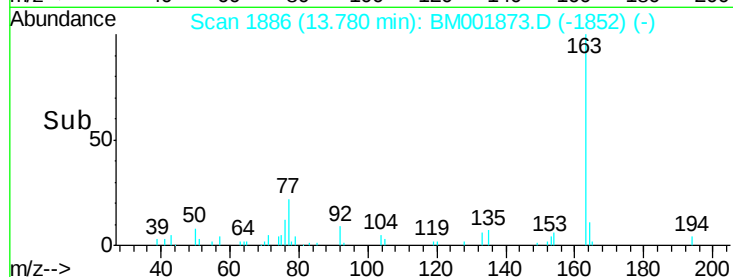
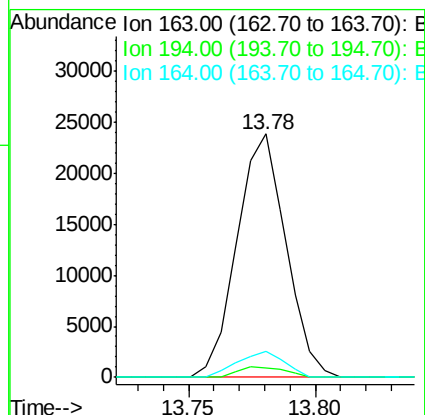
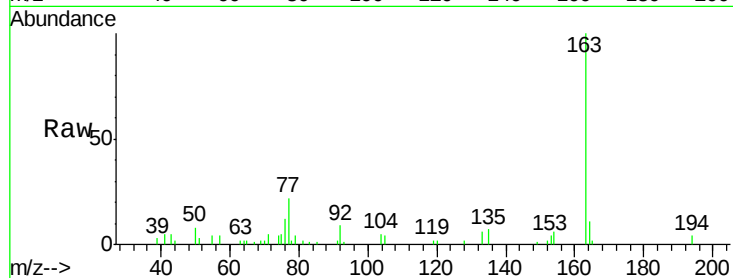




#44
Dimethylphthalate
Concen: 2.86 ng/ul
RT: 13.78 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BM001873.D
Acq: 07 Jul 2015 20:58

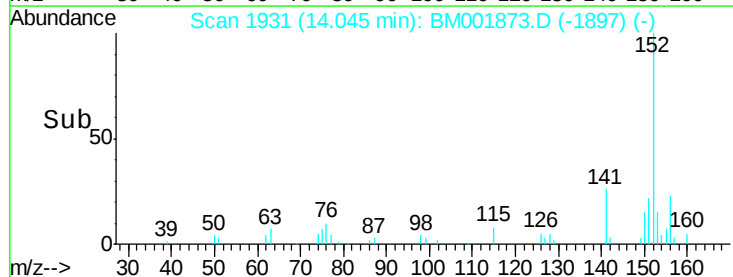
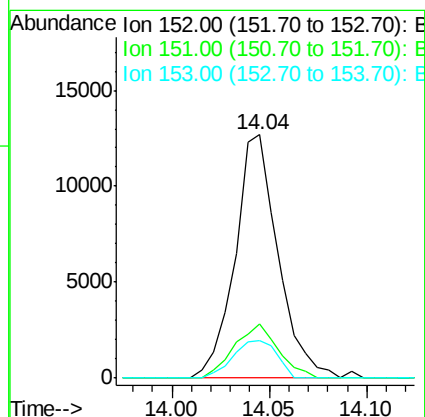
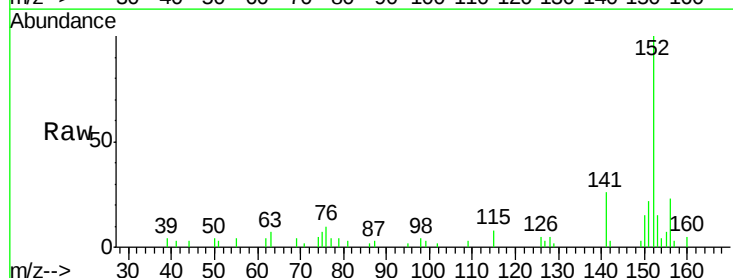
Instrument :
BNA_M
ClientSampleId :

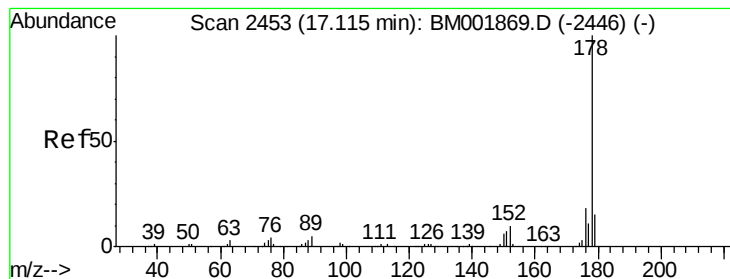
Tot Ion:163 Resp: 32094
Ion Ratio Lower Upper
163 100
194 4.1 3.6 5.4
164 10.6 8.0 12.0



#47
Acenaphthylene
Concen: 1.41 ng/ul
RT: 14.04 min Scan# 1931
Delta R.T. -0.00 min
Lab File: BM001873.D
Acq: 07 Jul 2015 20:58

Tgt Ion:152 Resp: 19389
Ion Ratio Lower Upper
152 100
151 22.3 15.9 23.9
153 15.5 10.0 15.0#





#69

Phenanthrene

Concen: 8.38 ng/ul

RT: 17.11 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BM001873.D

Acq: 07 Jul 2015 20:58

Instrument :

BNA_M

ClientSampleId :

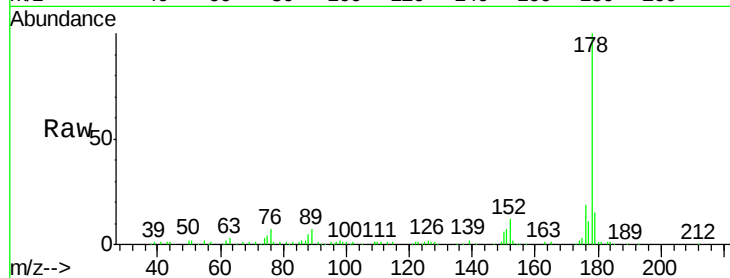
Tot Ion:178 Resp: 136940

Ion Ratio Lower Upper

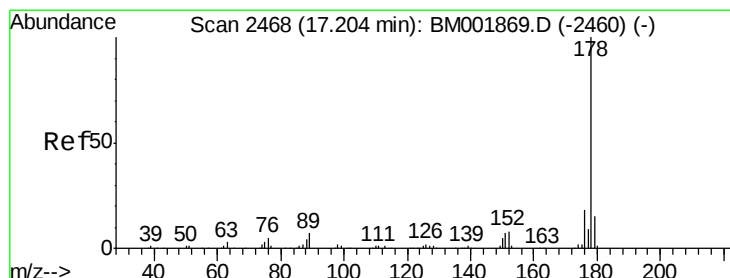
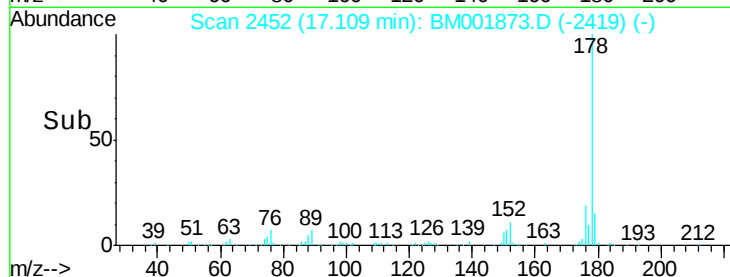
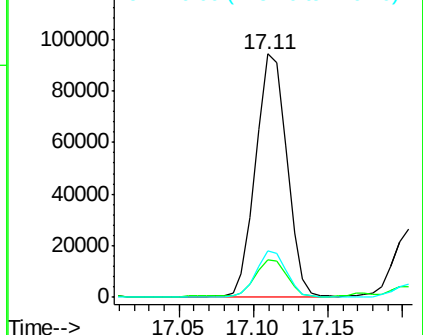
178 100

179 15.3 11.9 17.9

176 19.1 15.2 22.8



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



#71

Anthracene

Concen: 2.05 ng/ul

RT: 17.20 min Scan# 2468

Delta R.T. -0.00 min

Lab File: BM001873.D

Acq: 07 Jul 2015 20:58

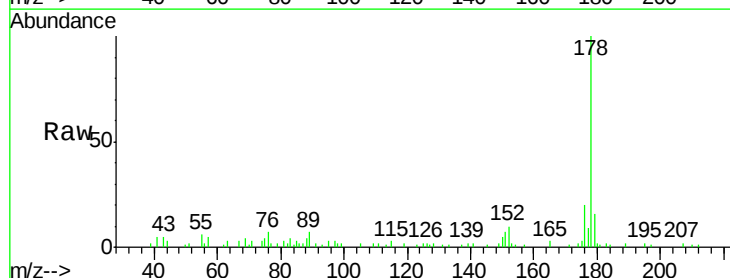
Tgt Ion:178 Resp: 34478

Ion Ratio Lower Upper

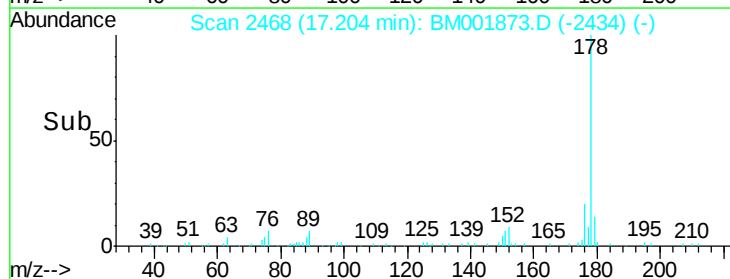
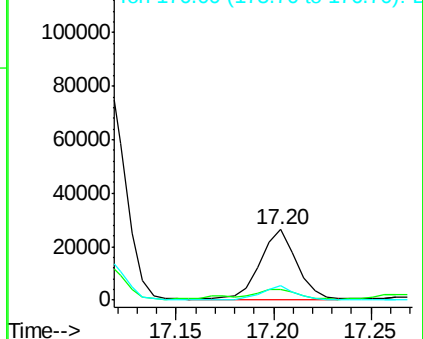
178 100

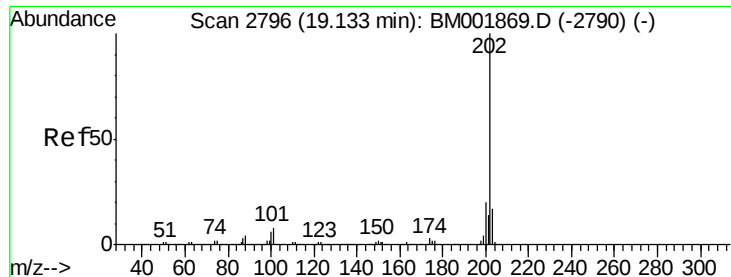
179 15.6 11.8 17.8

176 19.7 14.4 21.6



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





#76

Fluoranthene

Concen: 12.74 ng/ul

RT: 19.13 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BM001873.D

Acq: 07 Jul 2015 20:58

Instrument :

BNA_M

ClientSampleId :

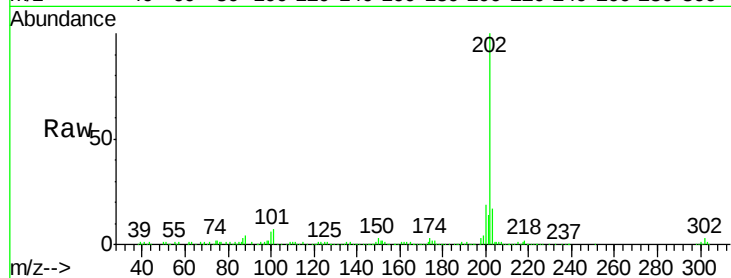
Tot Ion:202 Resp: 249082

Ion Ratio Lower Upper

202 100

101 6.8 6.1 9.1

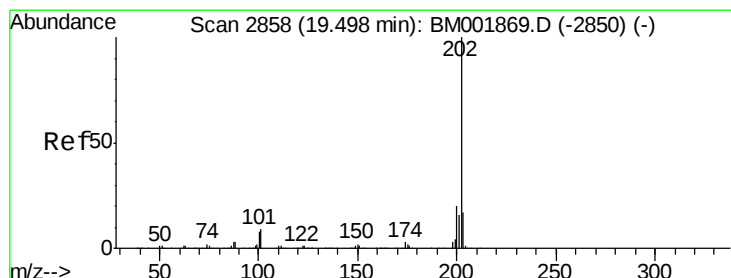
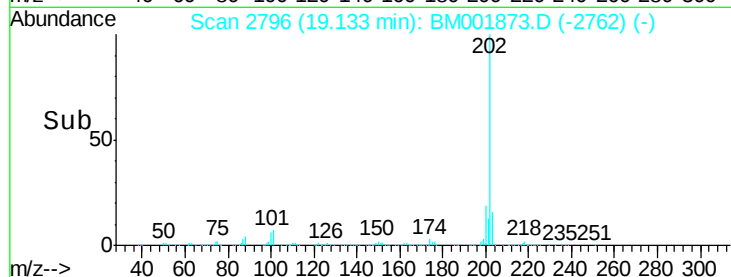
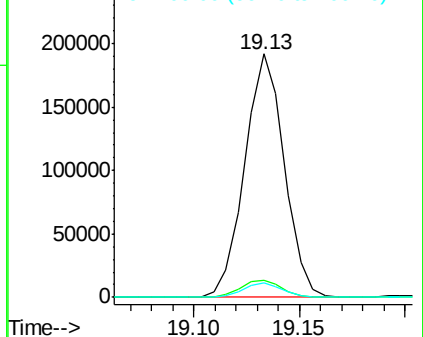
100 5.8 4.8 7.2



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



#79

Pyrene

Concen: 13.19 ng/ul

RT: 19.50 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BM001873.D

Acq: 07 Jul 2015 20:58

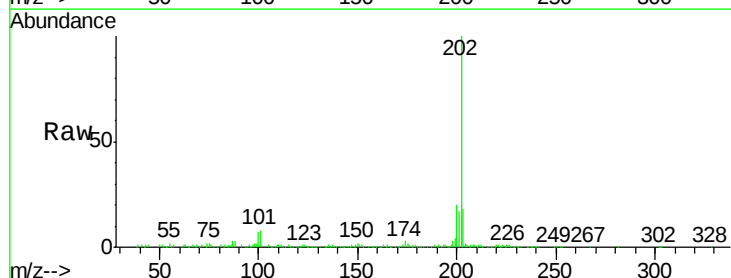
Tgt Ion:202 Resp: 260867

Ion Ratio Lower Upper

202 100

101 8.4 6.9 10.3

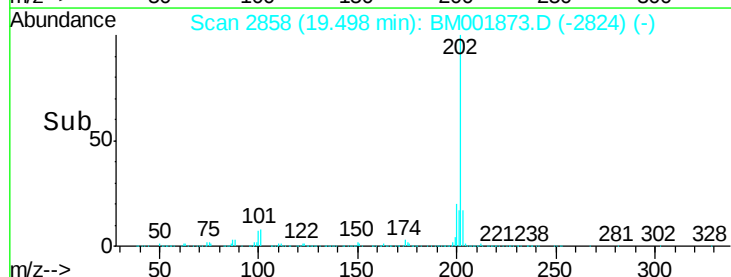
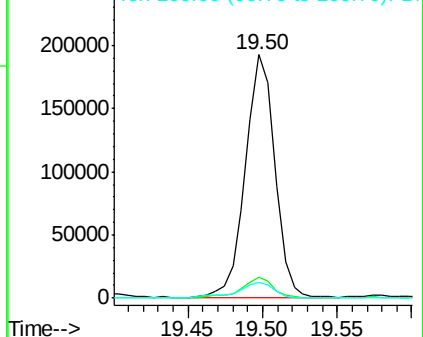
100 6.7 6.2 9.2

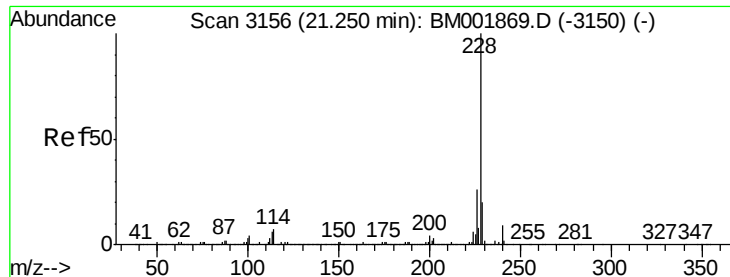


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 7.73 ng/ul

RT: 21.24 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BM001873.D

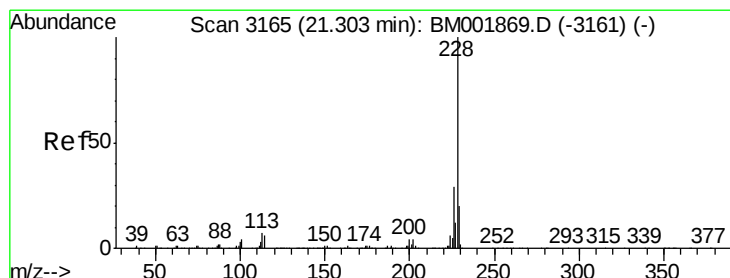
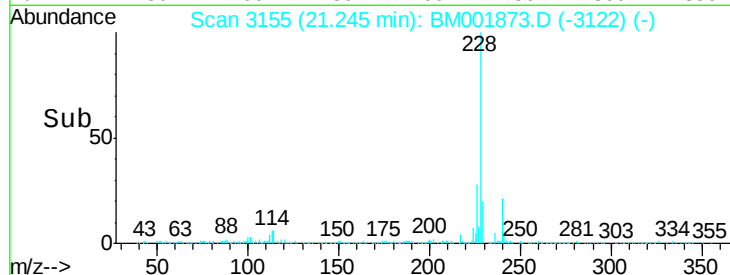
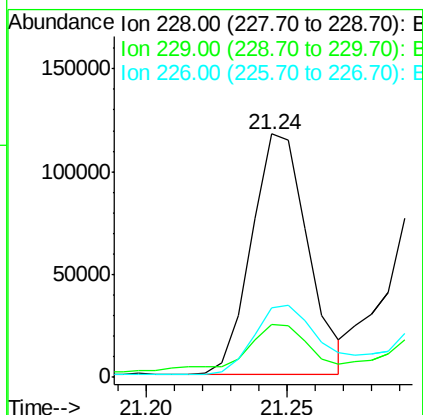
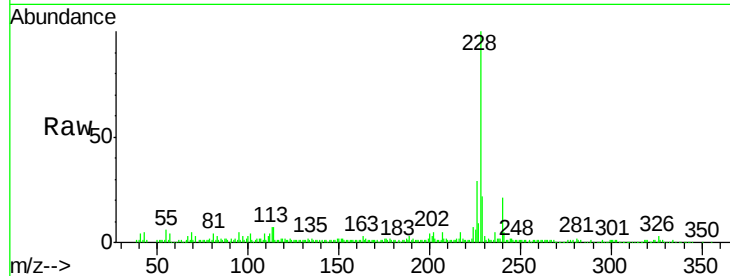
Acq: 07 Jul 2015 20:58

Instrument :

BNA_M

ClientSampleId :

Tot Ion:228	Resp:	161065
Ion	Ratio	Lower Upper
228	100	
229	22.0	15.4 23.0
226	28.8	20.6 30.8



#84

Chrysene

Concen: 8.27 ng/ul

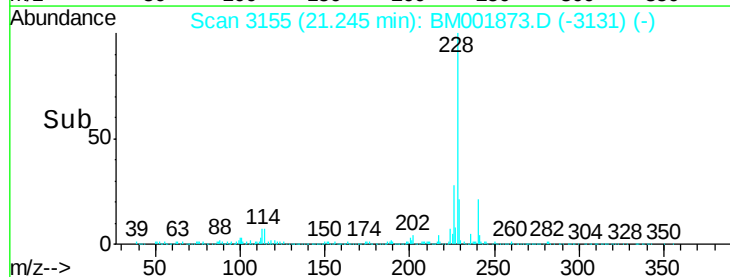
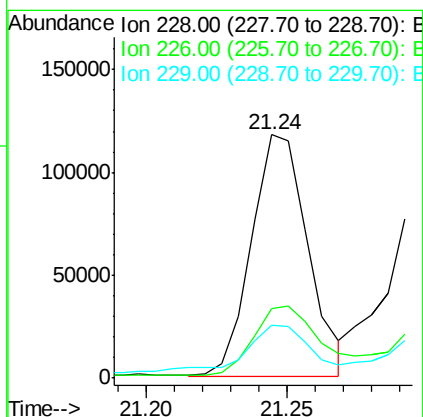
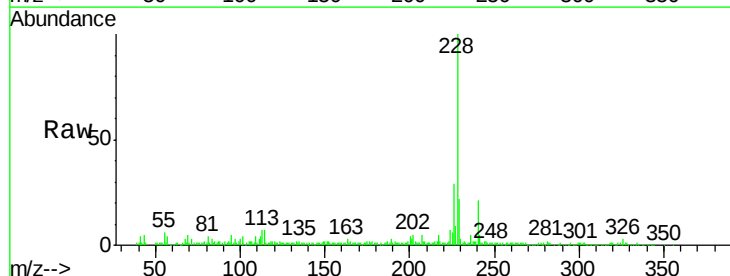
RT: 21.24 min Scan# 3155

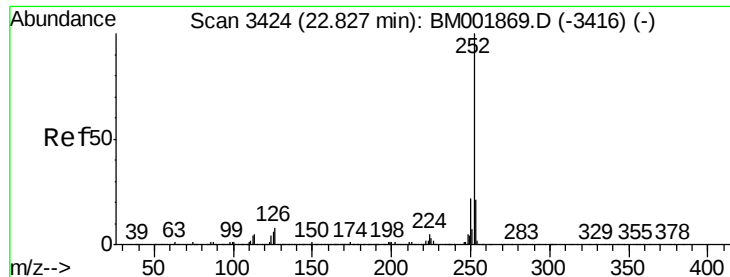
Delta R.T. -0.06 min

Lab File: BM001873.D

Acq: 07 Jul 2015 20:58

Tgt Ion:228	Resp:	163242
Ion	Ratio	Lower Upper
228	100	
226	28.8	23.0 34.4
229	22.0	15.4 23.2





#87

Benzo(b)fluoranthene

Concen: 11.10 ng/ul

RT: 22.82 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BM001873.D

Acq: 07 Jul 2015 20:58

Instrument :

BNA_M

ClientSampleId :

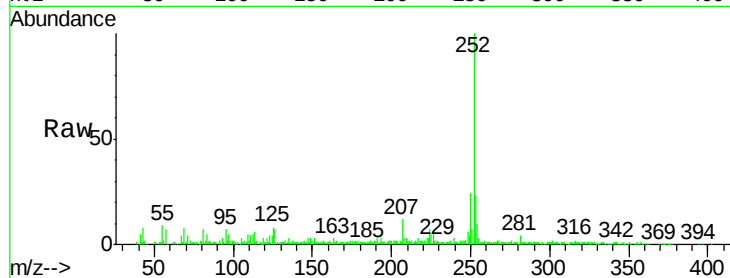
Tot Ion:252 Resp: 241542

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

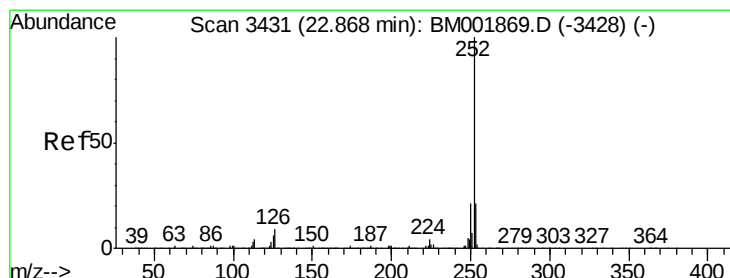
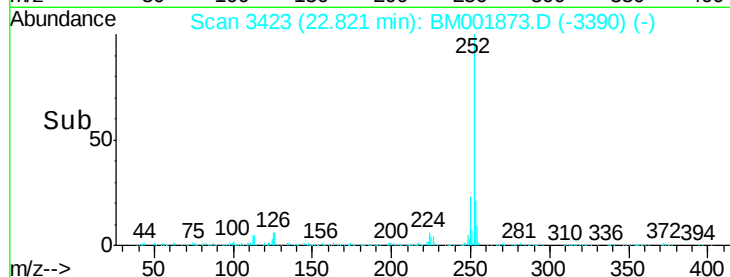
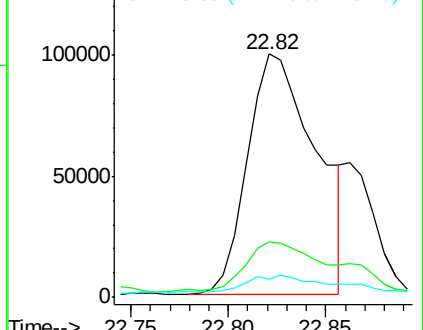
125 7.8 5.3 7.9



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



#88

Benzo(k)fluoranthene

Concen: 2.87 ng/ul

RT: 22.82 min Scan# 3423

Delta R.T. -0.05 min

Lab File: BM001873.D

Acq: 07 Jul 2015 20:58

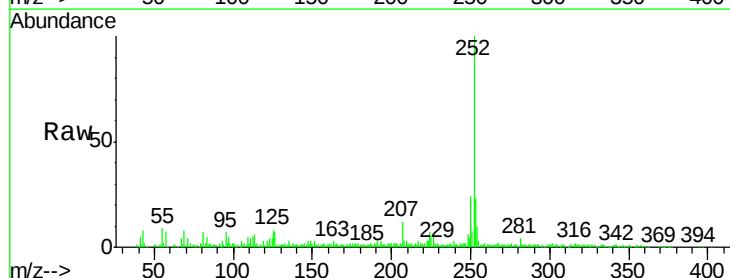
Tgt Ion:252 Resp: 60280

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

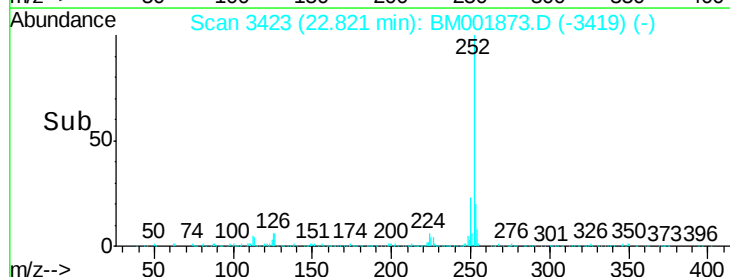
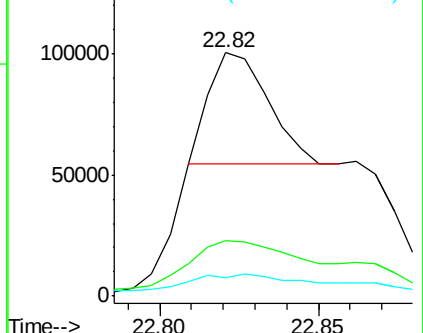
125 7.8 5.3 7.9

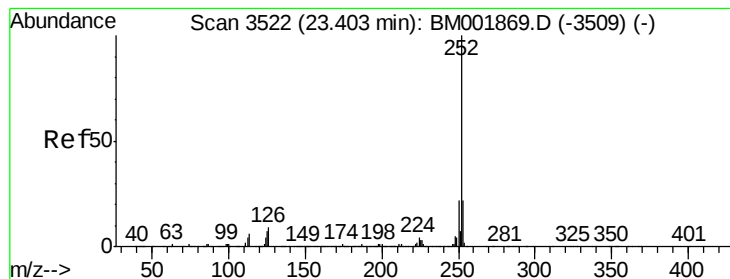


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

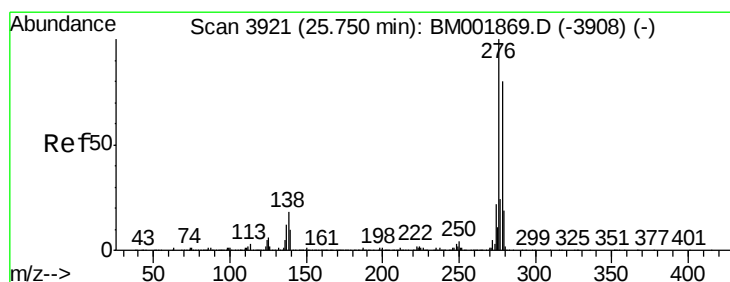
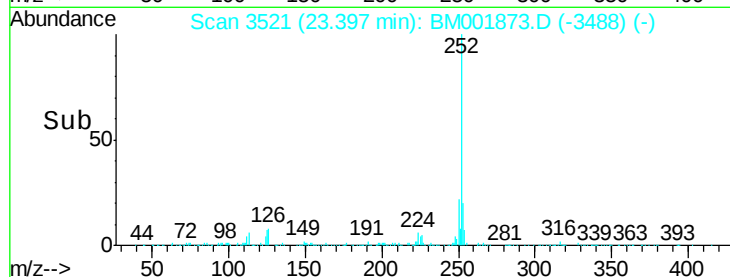
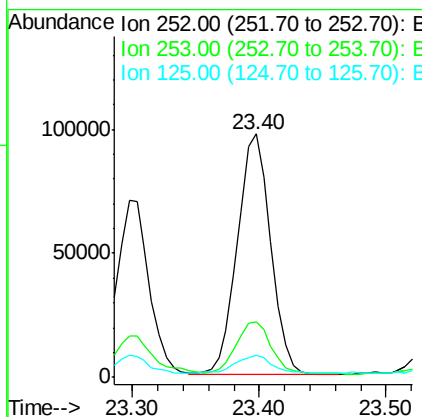
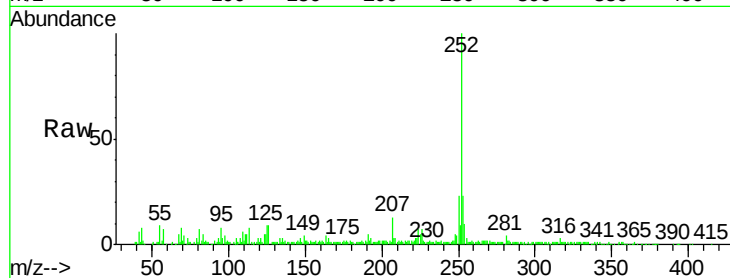




#90
Benzo(a)pyrene
Concen: 8.37 ng/ul
RT: 23.40 min Scan# 3521
Delta R.T. -0.01 min
Lab File: BM001873.D
Acq: 07 Jul 2015 20:58

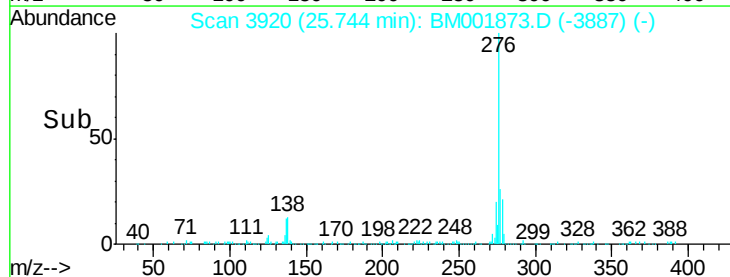
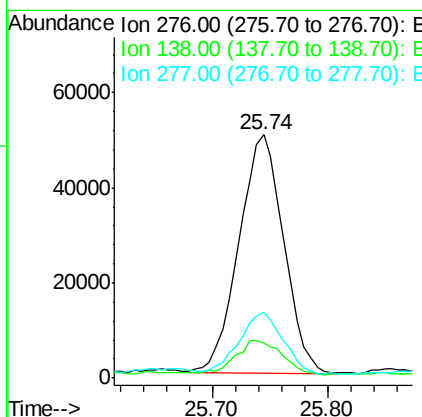
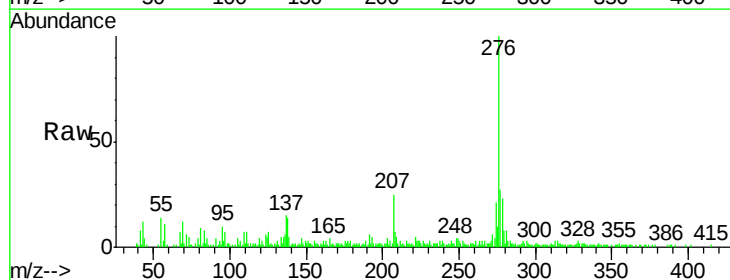
Instrument :
BNA_M
ClientSampled :

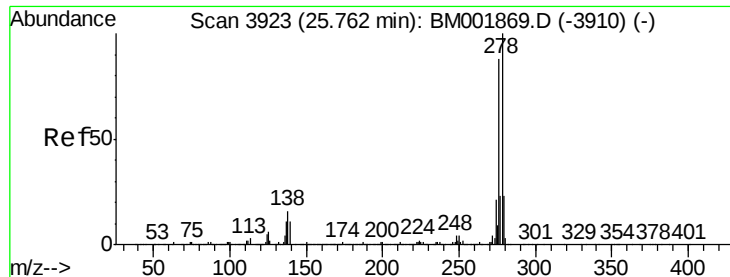
Tot Ion:252 Resp: 177191
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 9.0 6.0 9.0



#91
Indeno(1,2,3-cd)pyrene
Concen: 5.38 ng/ul
RT: 25.74 min Scan# 3920
Delta R.T. -0.01 min
Lab File: BM001873.D
Acq: 07 Jul 2015 20:58

Tgt Ion:276 Resp: 135177
Ion Ratio Lower Upper
276 100
138 14.3 14.7 22.1#
277 27.2 19.7 29.5





#92

Dibenzo(a,h)anthracene

Concen: 1.73 ng/ul

RT: 25.74 min Scan# 3920

Delta R.T. -0.02 min

Lab File: BM001873.D

Acq: 07 Jul 2015 20:58

Instrument :

BNA_M

ClientSampleId :

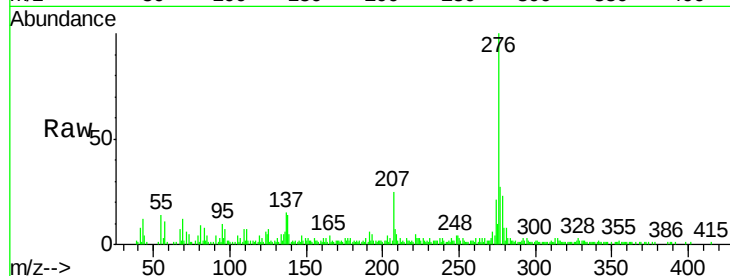
Tot Ion:278 Resp: 36629

Ion Ratio Lower Upper

278 100

139 19.8 9.2 13.8#

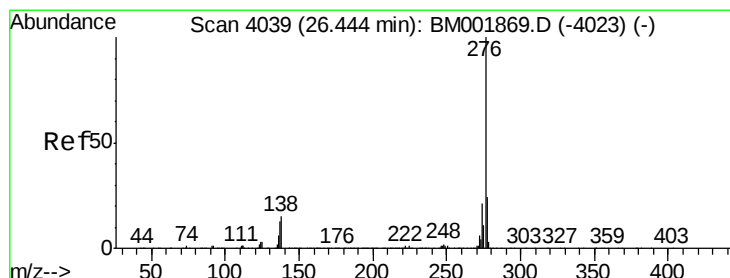
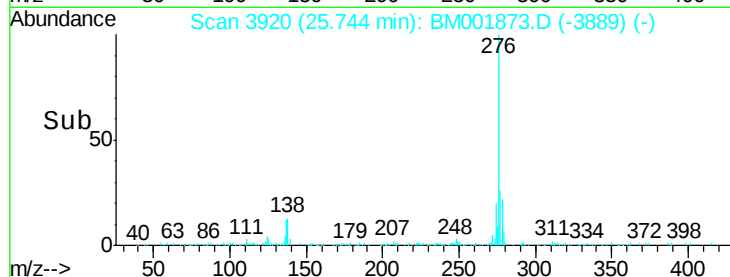
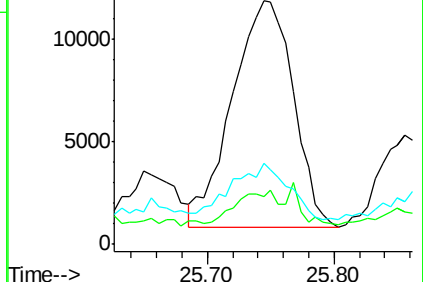
279 33.2 19.1 28.7#



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



#93

Benzo(g,h,i)perylene

Concen: 6.29 ng/ul

RT: 26.43 min Scan# 4037

Delta R.T. -0.01 min

Lab File: BM001873.D

Acq: 07 Jul 2015 20:58

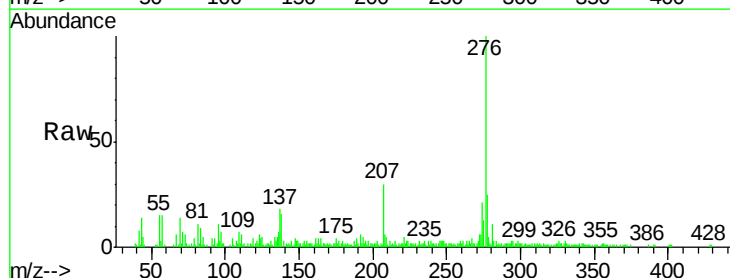
Tgt Ion:276 Resp: 132862

Ion Ratio Lower Upper

276 100

138 16.2 12.6 19.0

277 25.3 18.7 28.1



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

