

Data Path : Z:\HPCHEM1\BNA M\DATA\BM070615\
 Data File : BM001874.D
 Acq On : 07 Jul 2015 21:34
 Operator : TP/UM
 Sample : G2861-01
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 08 05:35:20 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	64321	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	247469	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	139971	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	311047	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	367978	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	385489	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.15	96	3358	2.49	ng/uL	0.00
5) Phenol-d5	6.83	99	69888	14.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	41035	14.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	59193	15.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	45420	11.45	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	27410	16.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	32001	17.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	60792	15.16	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	41277	10.12	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	164878	15.89	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	210049	15.44	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	20974	10.95	ng/ul	0.00
57) Fluorene-d10	15.32	176	148232	15.39	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	17108	9.00	ng/ul	0.00
70) Anthracene-d10	17.17	188	222539	15.36	ng/ul	0.00
78) Pyrene-d10	19.47	212	231410	14.85	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.36	264	204003	12.01	ng/ul	0.00

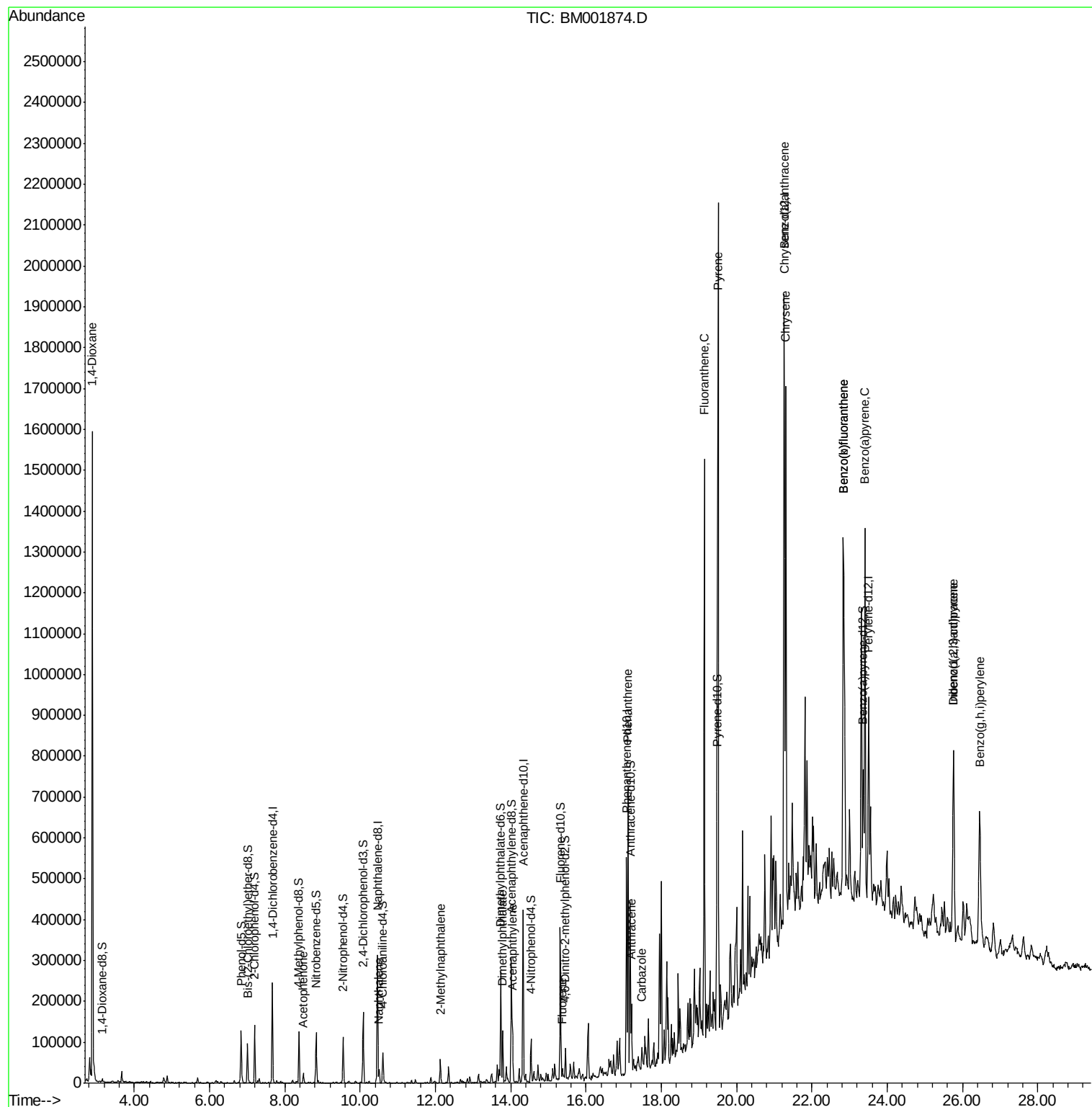
Target Compounds				Ovalue		
2) 1,4-Dioxane	2.89	88	11969	7.77	ng/uL#	1
14) Acetophenone	8.49	105	13652	2.17	ng/ul	87
28) Naphthalene	10.50	128	27459	2.20	ng/ul	98
34) 2-Methylnaphthalene	12.13	142	27344	3.03	ng/ul	96
44) Dimethylphthalate	13.78	163	66374	5.85	ng/ul	99
47) Acenaphthylene	14.04	152	73093	5.27	ng/ul	98
58) Fluorene	15.37	166	11224	1.02	ng/ul#	91
69) Phenanthrene	17.12	178	414694	24.59	ng/ul	99
71) Anthracene	17.20	178	101330	5.85	ng/ul	99
74) Carbazole	17.48	167	22924	1.51	ng/ul#	96
76) Fluoranthene	19.14	202	817112	40.51	ng/ul	99
79) Pyrene	19.50	202	1271636	62.29	ng/ul	99
82) Benzo(a)anthracene	21.25	228	684276	31.83	ng/ul	95
84) Chrysene	21.30	228	732403	35.94	ng/ul	98
87) Benzo(b)fluoranthene	22.83	252	770336	34.33	ng/ul	99
88) Benzo(k)fluoranthene	22.83	252	335378	15.47	ng/ul	98
90) Benzo(a)pyrene	23.41	252	624929	28.63	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.76	276	417225	16.12	ng/ul	97
92) Dibenzo(a,h)anthracene	25.76	278	134728	6.17	ng/ul#	90
93) Benzo(g,h,i)perylene	26.46	276	429099	19.71	ng/ul	98

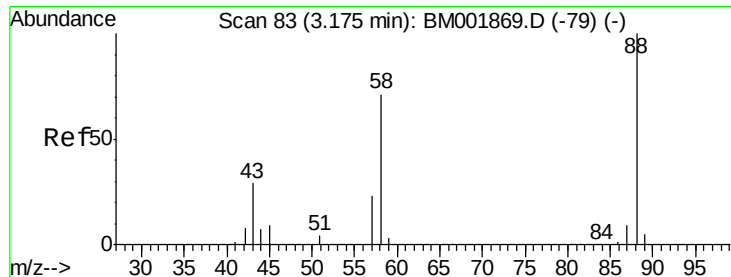
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 7.77 ng/uL

RT: 2.89 min Scan# 34

Delta R.T. -0.29 min

Lab File: BM001874.D

Acq: 07 Jul 2015 21:34

Instrument :

BNA_M

ClientSampled :

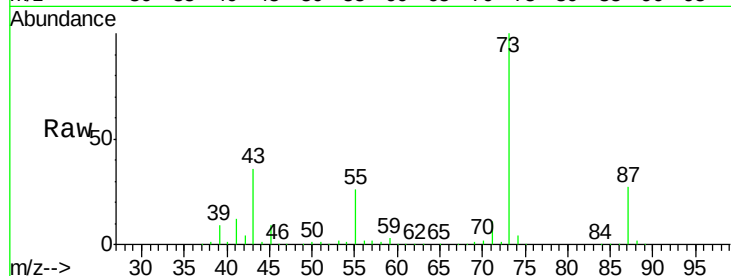
Tot Ion: 88 Resp: 11969

Ion Ratio Lower Upper

88 100

43 2172.5 24.2 36.4#

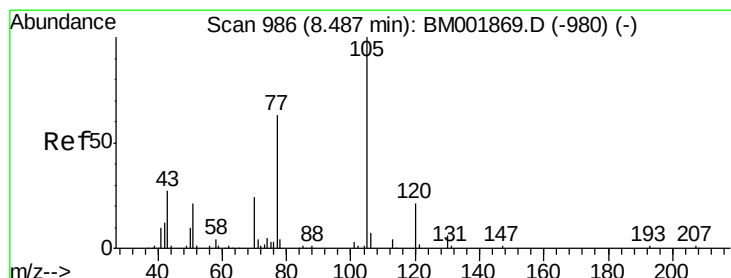
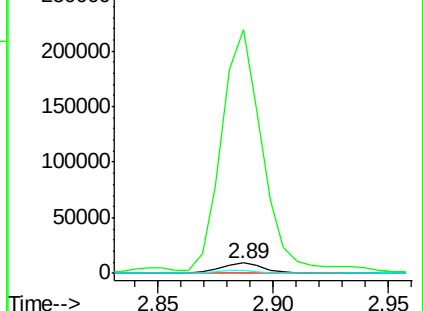
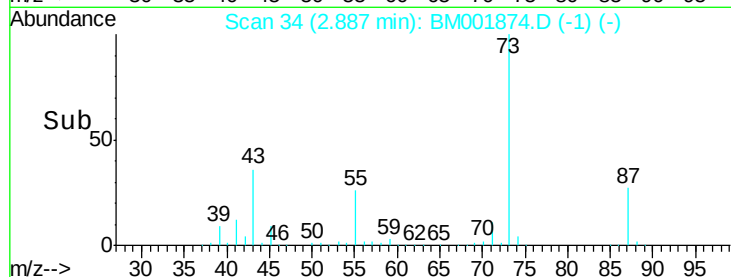
58 28.4 56.2 84.2#



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: 2.17 ng/uL

RT: 8.49 min Scan# 987

Delta R.T. 0.01 min

Lab File: BM001874.D

Acq: 07 Jul 2015 21:34

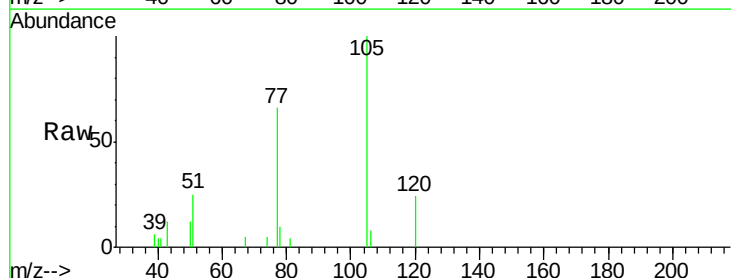
Tgt Ion: 105 Resp: 13652

Ion Ratio Lower Upper

105 100

77 66.5 64.2 96.4

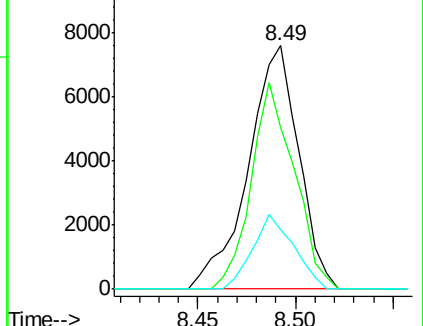
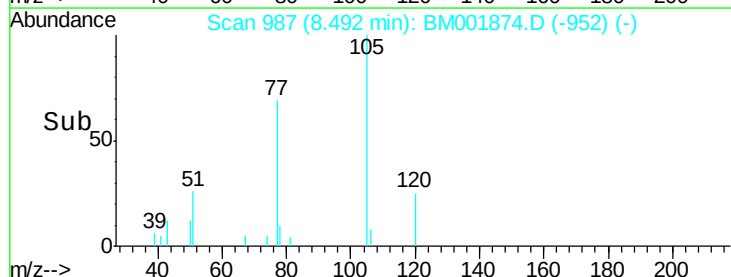
51 24.6 22.0 33.0

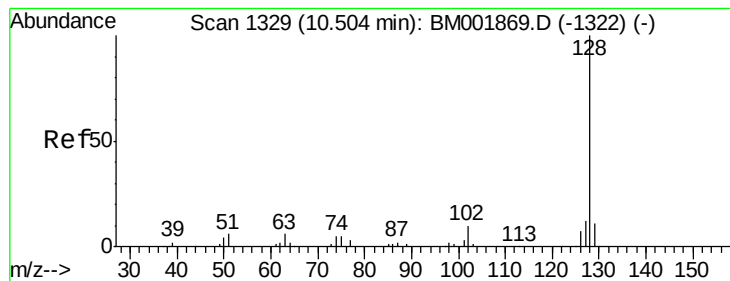


Abundance Ion 105.00 (104.70 to 105.70): BM001869.D (-980) (-)

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: 2.20 ng/ul

RT: 10.50 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM001874.D

Acq: 07 Jul 2015 21:34

Instrument :

BNA_M

ClientSampleId :

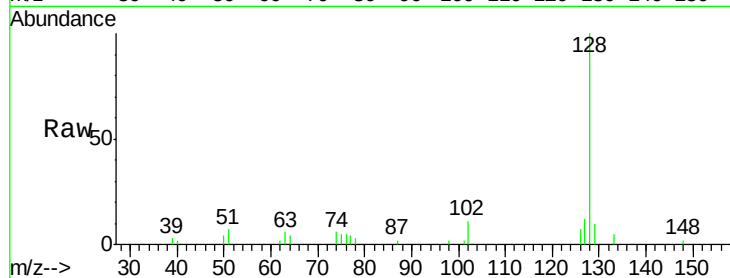
Tot Ion:128 Resp: 27459

Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

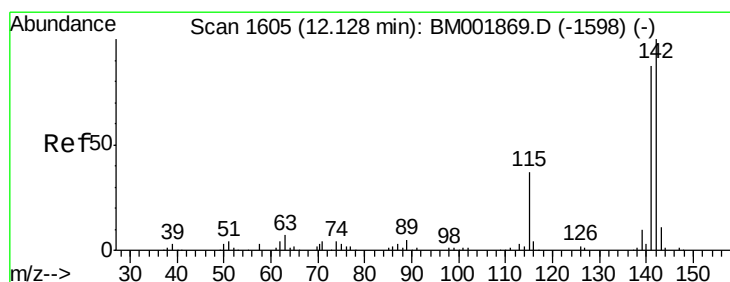
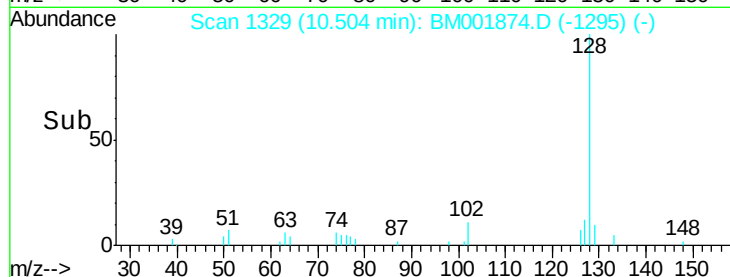
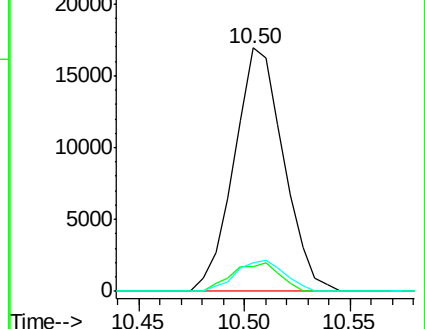
127 11.9 10.0 15.0



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: 3.03 ng/ul

RT: 12.13 min Scan# 1605

Delta R.T. -0.00 min

Lab File: BM001874.D

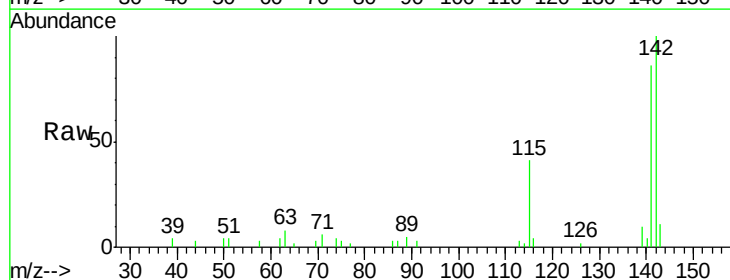
Acq: 07 Jul 2015 21:34

Tgt Ion:142 Resp: 27344

Ion Ratio Lower Upper

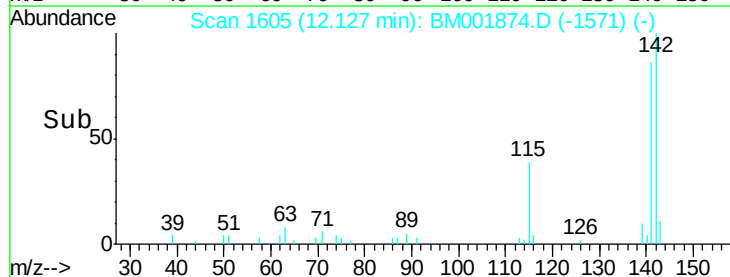
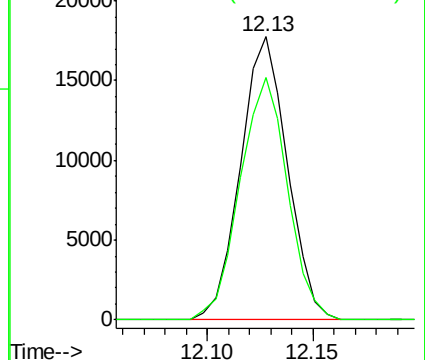
142 100

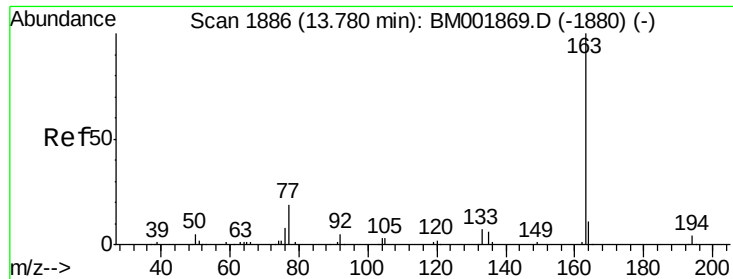
141 85.8 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 5.85 ng/ul

RT: 13.78 min Scan# 1886

Delta R.T. -0.00 min

Lab File: BM001874.D

Acq: 07 Jul 2015 21:34

Instrument :

BNA_M

ClientSampleId :

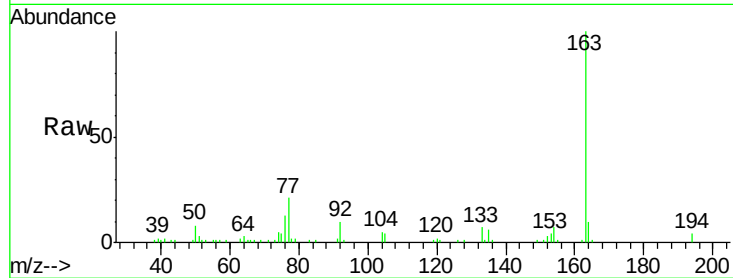
Tot Ion:163 Resp: 66374

Ion Ratio Lower Upper

163 100

194 4.2 3.6 5.4

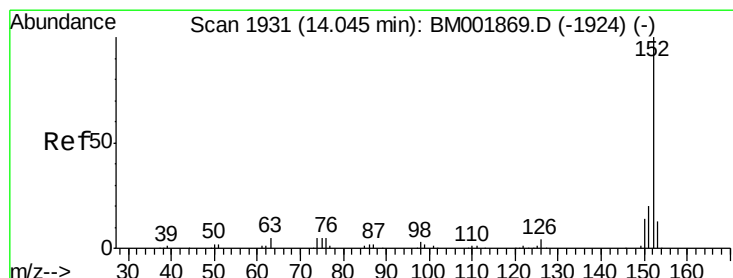
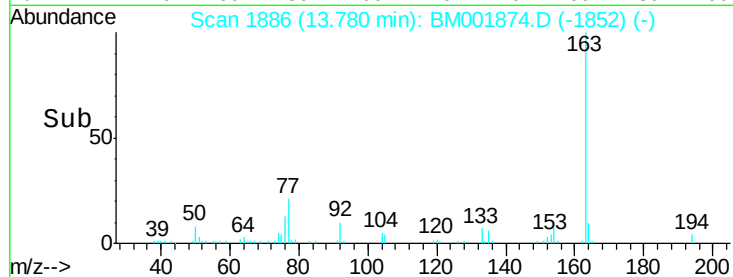
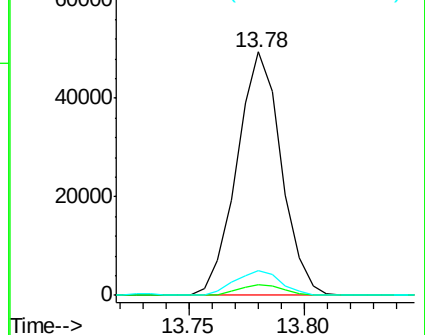
164 10.2 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 5.27 ng/ul

RT: 14.04 min Scan# 1931

Delta R.T. -0.00 min

Lab File: BM001874.D

Acq: 07 Jul 2015 21:34

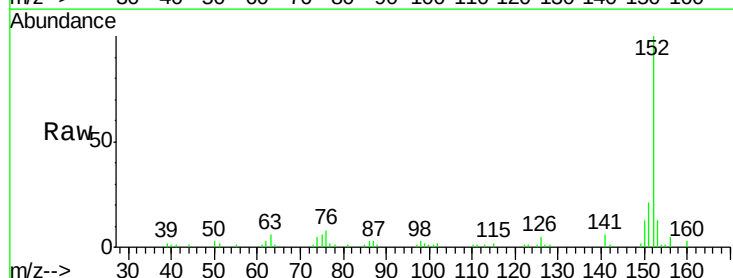
Tgt Ion:152 Resp: 73093

Ion Ratio Lower Upper

152 100

151 21.0 15.9 23.9

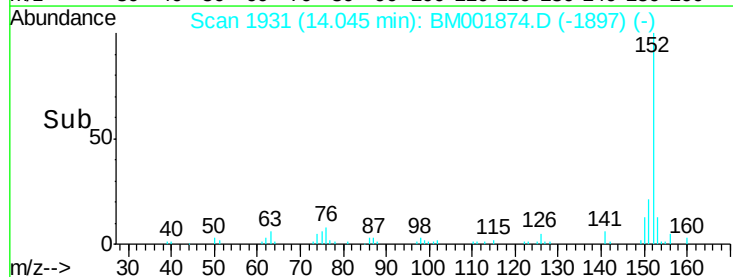
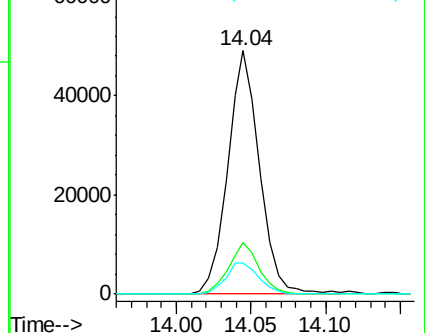
153 13.0 10.0 15.0

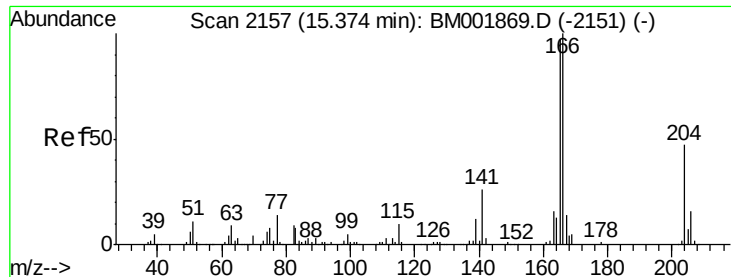


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#58

Fluorene

Concen: 1.02 ng/ul

RT: 15.37 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BM001874.D

Acq: 07 Jul 2015 21:34

Instrument :

BNA_M

ClientSampleId :

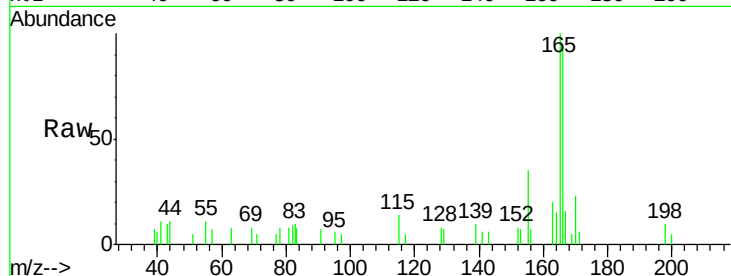
Tot Ion:166 Resp: 11224

Ion Ratio Lower Upper

166 100

165 105.9 77.4 116.2

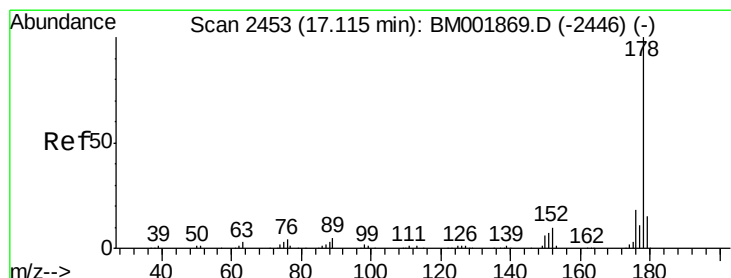
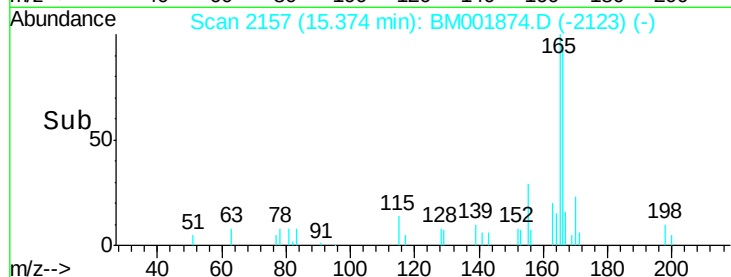
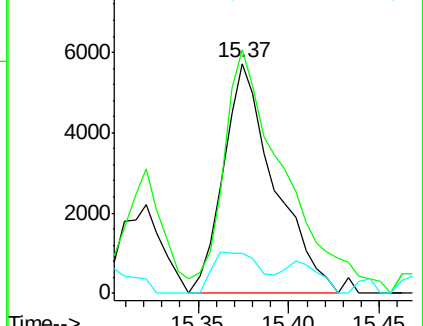
167 17.4 11.3 16.9#



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



#69

Phenanthrene

Concen: 24.59 ng/ul

RT: 17.12 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BM001874.D

Acq: 07 Jul 2015 21:34

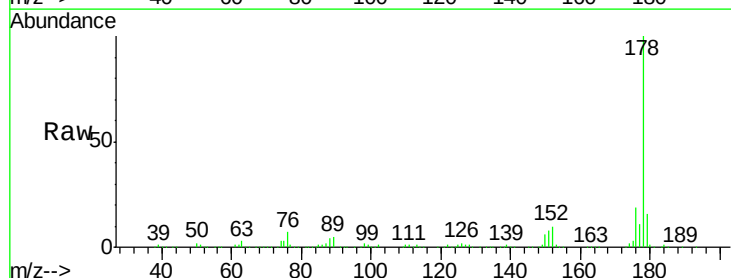
Tgt Ion:178 Resp: 414694

Ion Ratio Lower Upper

178 100

179 15.7 11.9 17.9

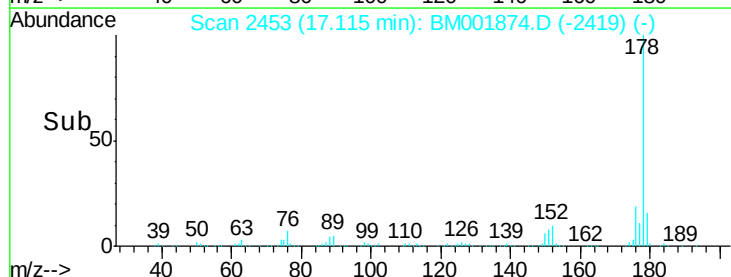
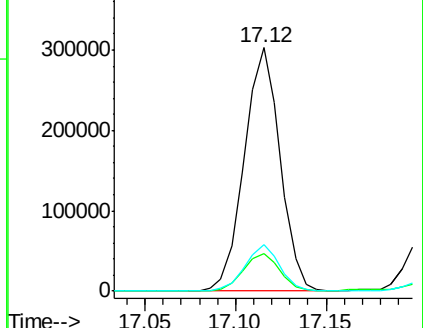
176 19.0 15.2 22.8

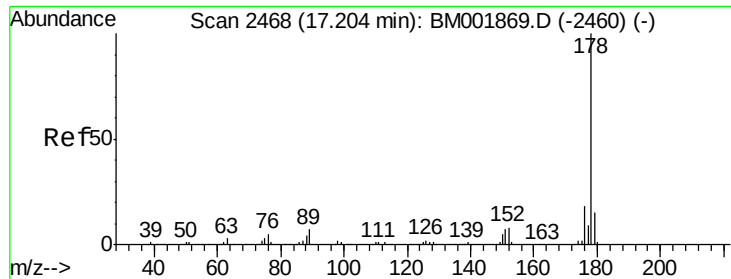


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

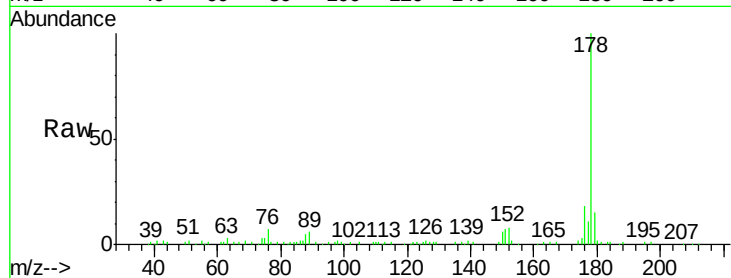




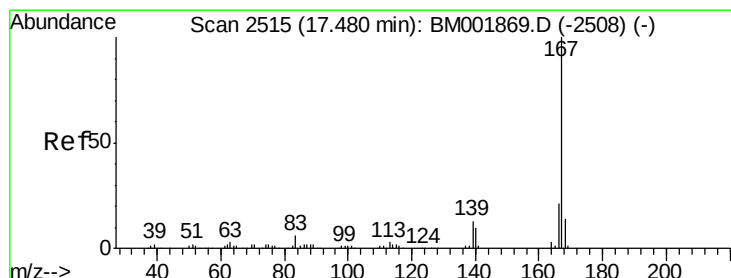
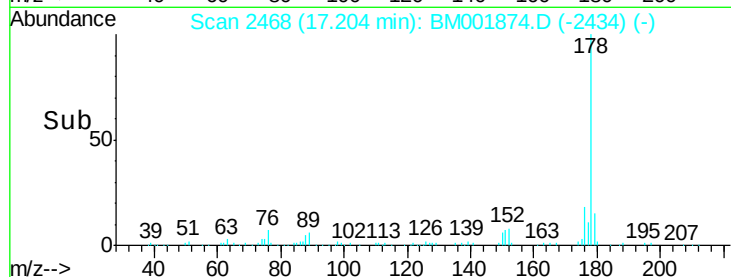
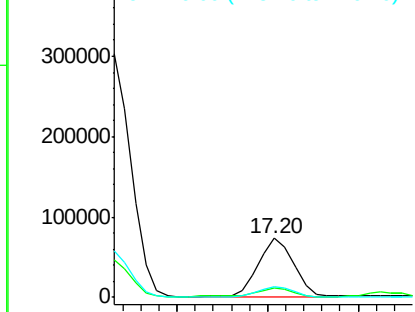
#71
 Anthracene
 Concen: 5.85 ng/ul
 RT: 17.20 min Scan# 2468
 Delta R.T. -0.00 min
 Lab File: BM001874.D
 Acq: 07 Jul 2015 21:34

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 101330
 Ion Ratio Lower Upper
 178 100
 179 15.4 11.8 17.8
 176 17.7 14.4 21.6

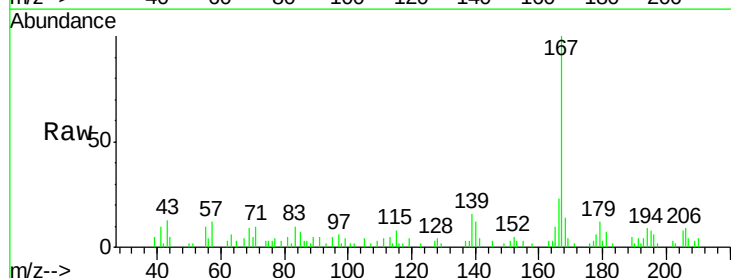


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

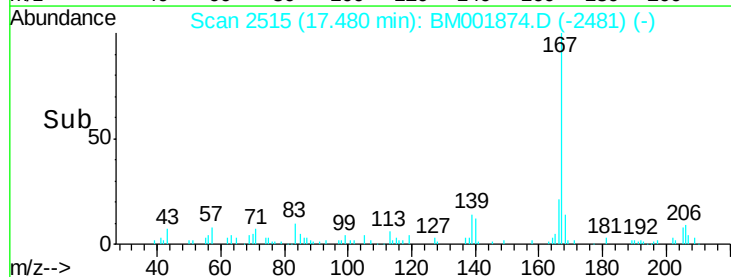
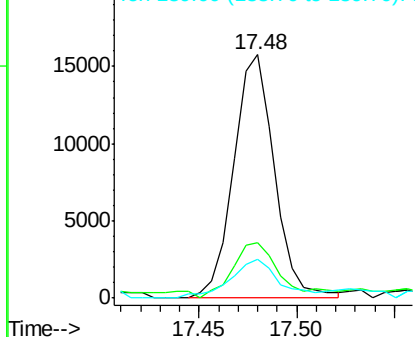


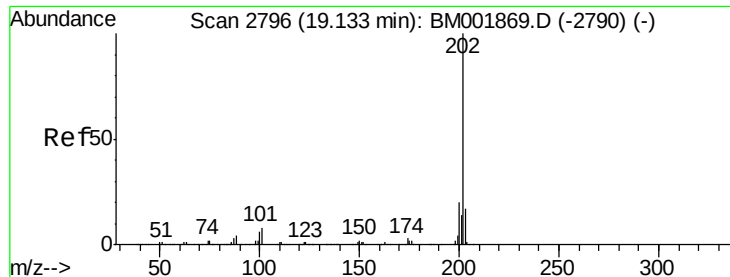
#74
 Carbazole
 Concen: 1.51 ng/ul
 RT: 17.48 min Scan# 2515
 Delta R.T. -0.00 min
 Lab File: BM001874.D
 Acq: 07 Jul 2015 21:34

Tgt Ion:167 Resp: 22924
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.4 26.2
 139 15.8 10.1 15.1#



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

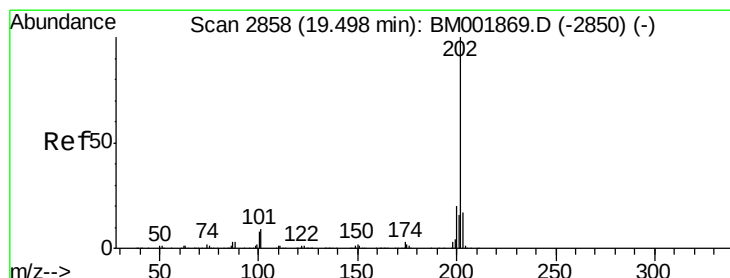
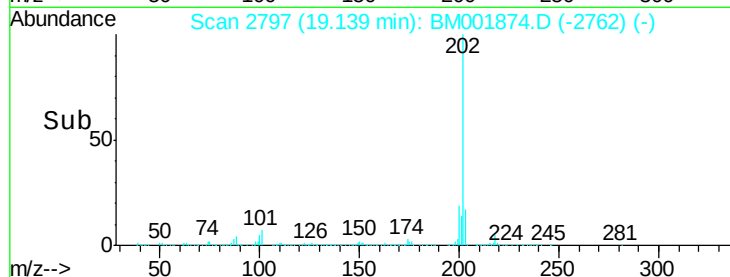
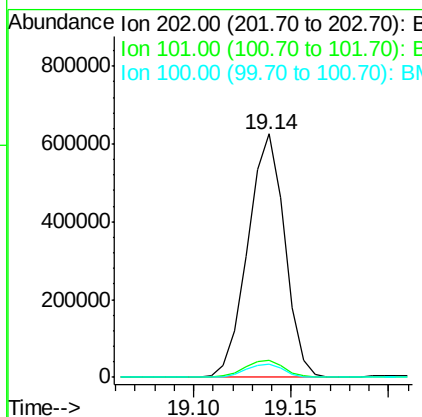
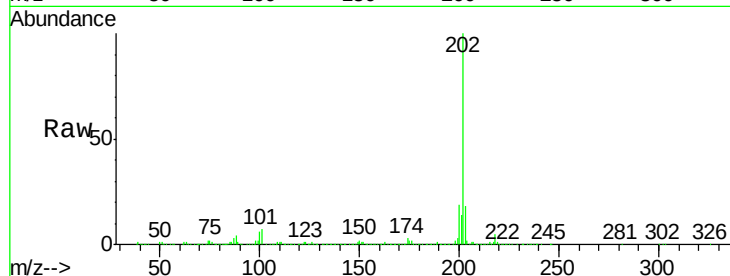




#76
 Fluoranthene
 Concen: 40.51 ng/ul
 RT: 19.14 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: BM001874.D
 Acq: 07 Jul 2015 21:34

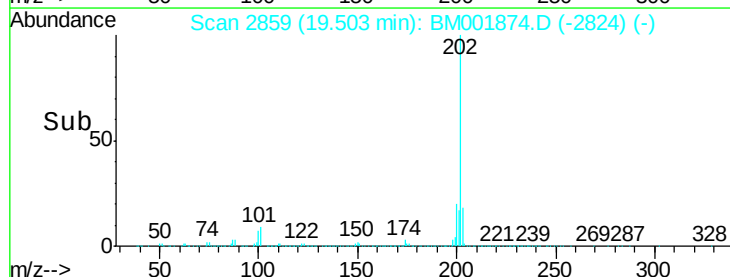
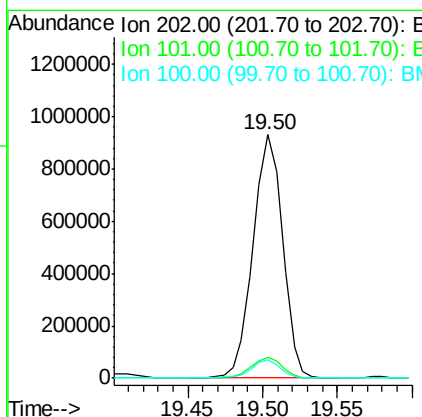
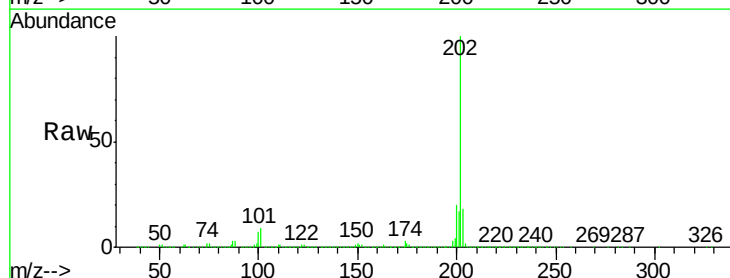
Instrument :
 BNA_M
 ClientSampleId :

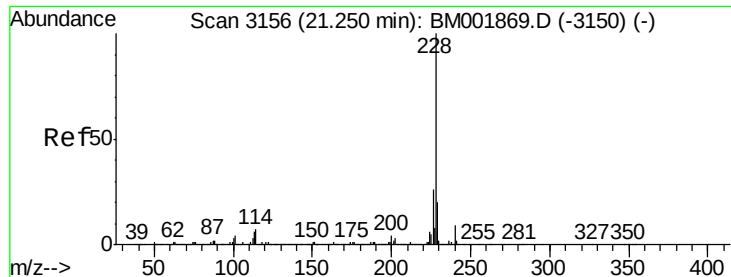
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.2	6.1	9.1
100	5.5	4.8	7.2



#79
 Pyrene
 Concen: 62.29 ng/ul
 RT: 19.50 min Scan# 2859
 Delta R.T. 0.01 min
 Lab File: BM001874.D
 Acq: 07 Jul 2015 21:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	6.9	10.3
100	7.4	6.2	9.2





#82

Benzo(a)anthracene

Concen: 31.83 ng/ul

RT: 21.25 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BM001874.D

Acq: 07 Jul 2015 21:34

Instrument :

BNA_M

ClientSampleId :

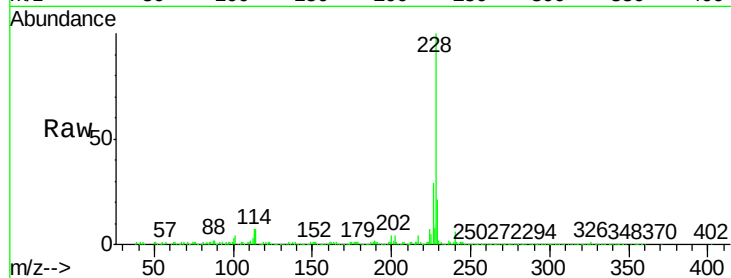
Tot Ion:228 Resp: 684276

Ion Ratio Lower Upper

228 100

229 20.6 15.4 23.0

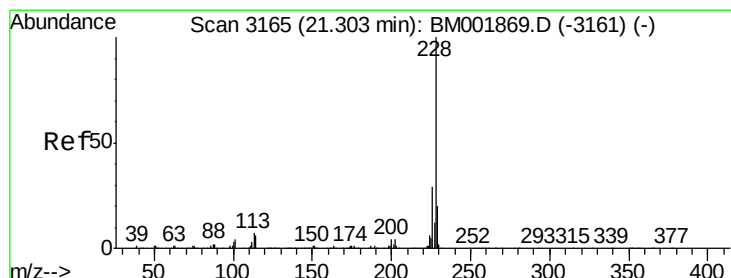
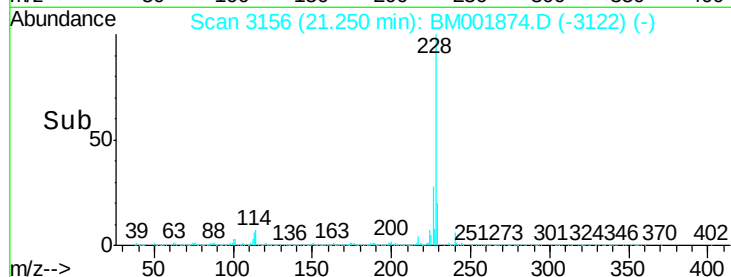
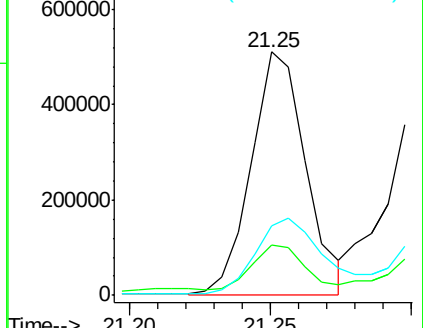
226 28.8 20.6 30.8



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

Chrysene

Concen: 35.94 ng/ul

RT: 21.30 min Scan# 3165

Delta R.T. -0.00 min

Lab File: BM001874.D

Acq: 07 Jul 2015 21:34

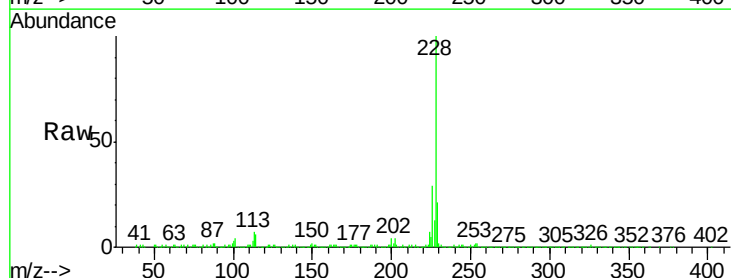
Tgt Ion:228 Resp: 732403

Ion Ratio Lower Upper

228 100

226 29.3 23.0 34.4

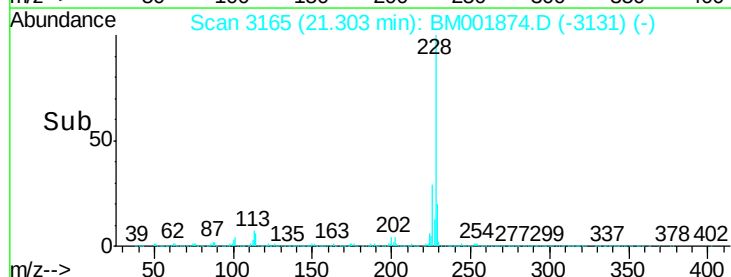
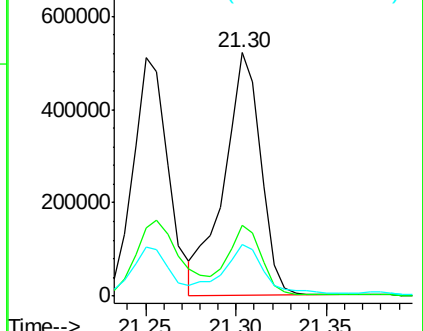
229 21.0 15.4 23.2

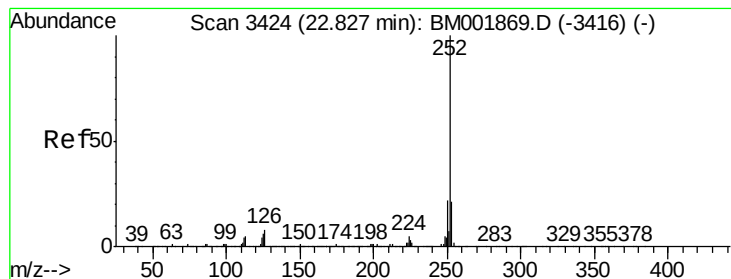


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 34.33 ng/ul

RT: 22.83 min Scan# 3425

Delta R.T. 0.01 min

Lab File: BM001874.D

Acq: 07 Jul 2015 21:34

Instrument :

BNA_M

ClientSampleId :

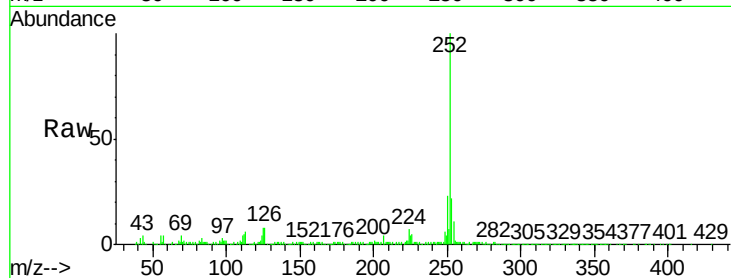
Tot Ion:252 Resp: 770336

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

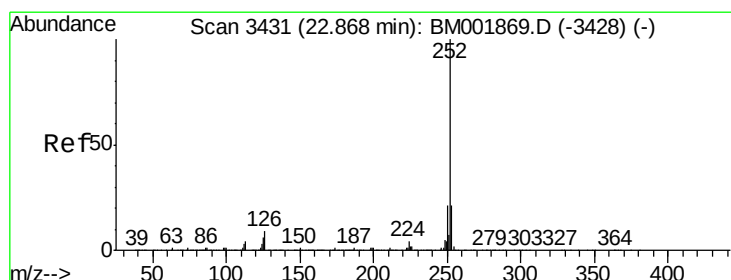
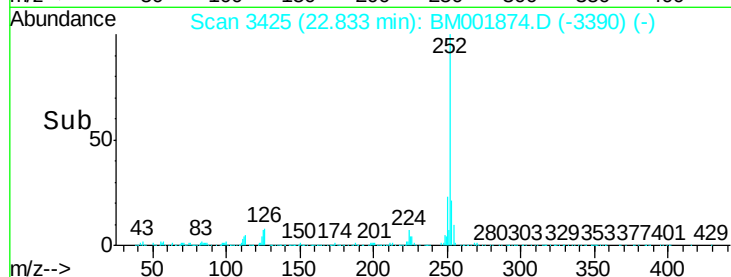
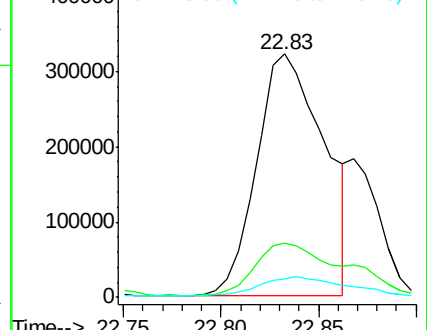
125 7.8 5.3 7.9



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: 15.47 ng/ul

RT: 22.83 min Scan# 3425

Delta R.T. -0.04 min

Lab File: BM001874.D

Acq: 07 Jul 2015 21:34

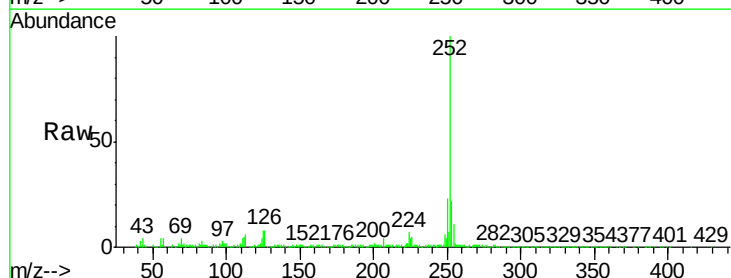
Tgt Ion:252 Resp: 335378

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

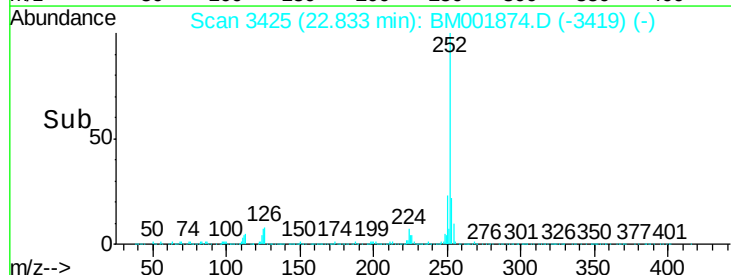
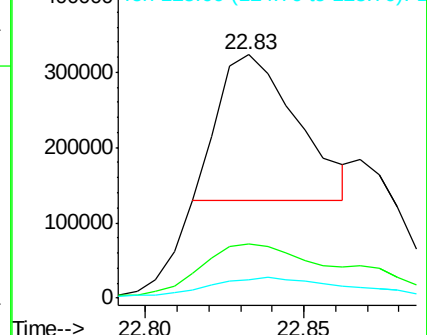
125 7.8 5.3 7.9

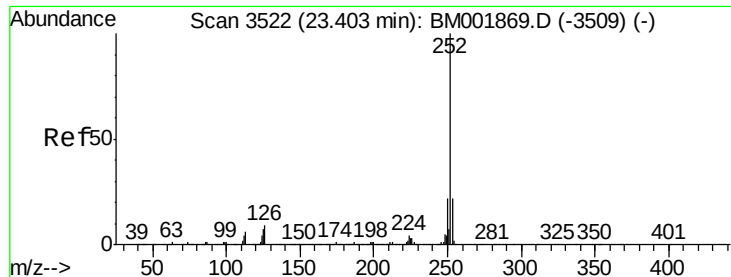


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

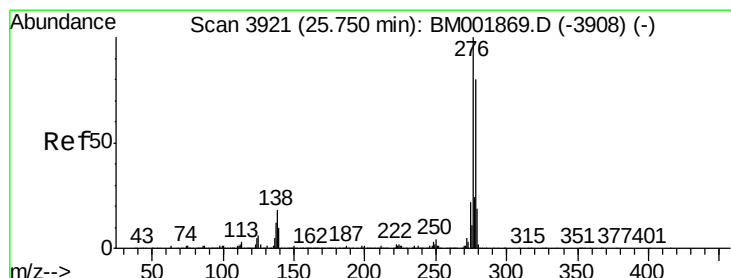
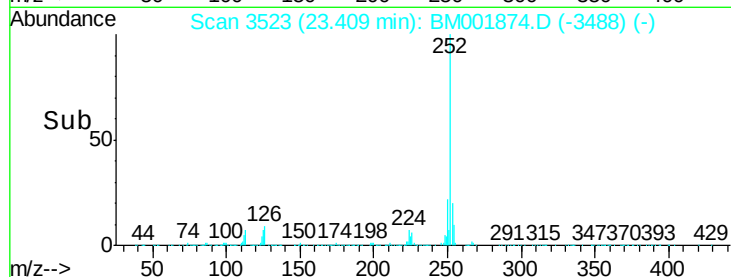
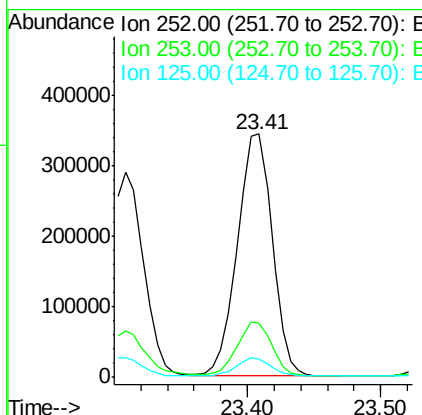
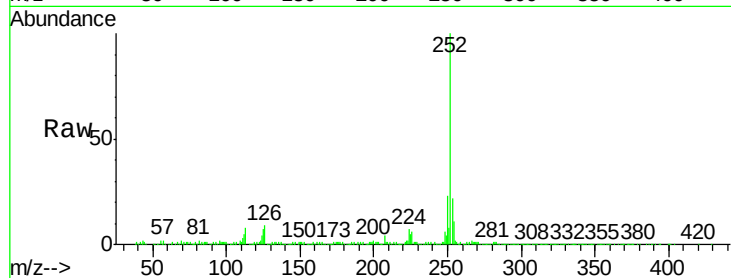




#90
Benzo(a)pyrene
Concen: 28.63 ng/ul
RT: 23.41 min Scan# 3523
Delta R.T. 0.01 min
Lab File: BM001874.D
Acq: 07 Jul 2015 21:34

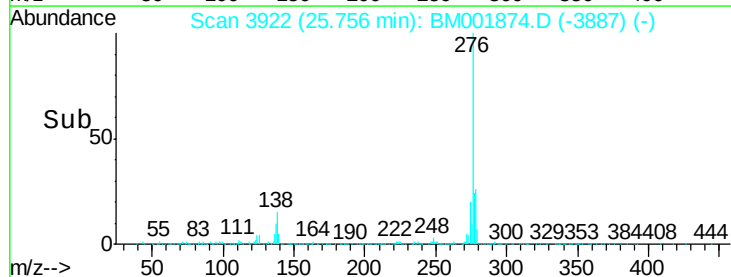
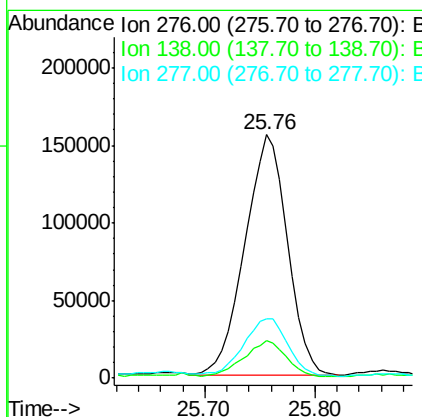
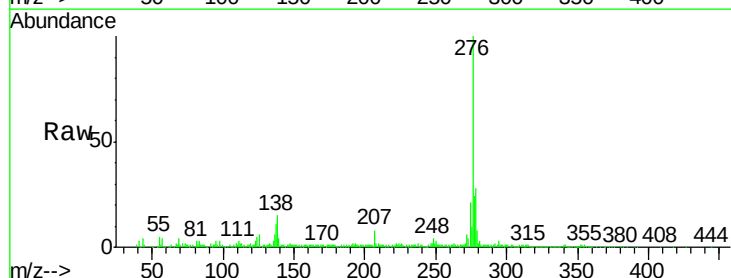
Instrument :
BNA_M
ClientSampleId :

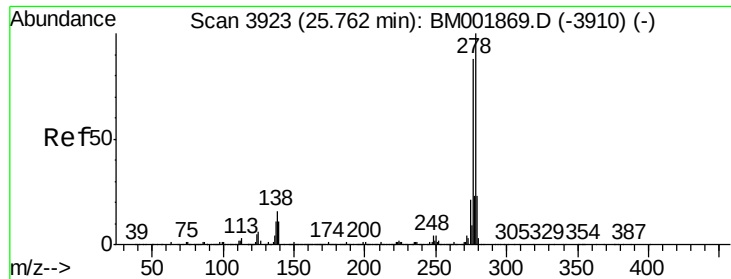
Tot Ion:252 Resp: 624929
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 7.4 6.0 9.0



#91
Indeno(1,2,3-cd)pyrene
Concen: 16.12 ng/ul
RT: 25.76 min Scan# 3922
Delta R.T. 0.01 min
Lab File: BM001874.D
Acq: 07 Jul 2015 21:34

Tgt Ion:276 Resp: 417225
Ion Ratio Lower Upper
276 100
138 15.3 14.7 22.1
277 24.4 19.7 29.5





#92

Dibenzo(a,h)anthracene

Concen: 6.17 ng/ul

RT: 25.76 min Scan# 3922

Delta R.T. -0.01 min

Lab File: BM001874.D

Acq: 07 Jul 2015 21:34

Instrument :

BNA_M

ClientSampleId :

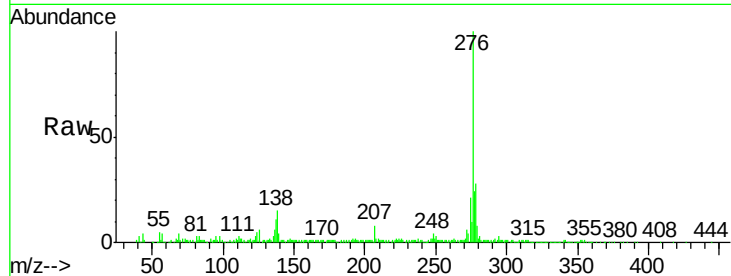
Tot Ion:278 Resp: 134728

Ion Ratio Lower Upper

278 100

139 16.0 9.2 13.8#

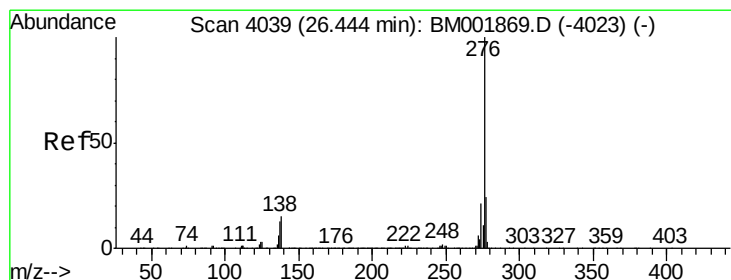
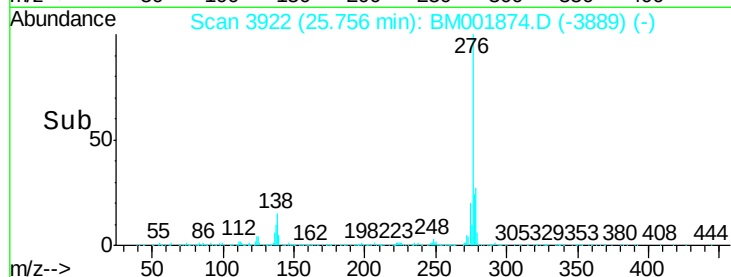
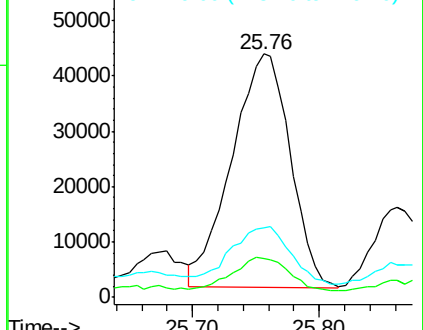
279 28.6 19.1 28.7



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: 19.71 ng/ul

RT: 26.46 min Scan# 4041

Delta R.T. 0.01 min

Lab File: BM001874.D

Acq: 07 Jul 2015 21:34

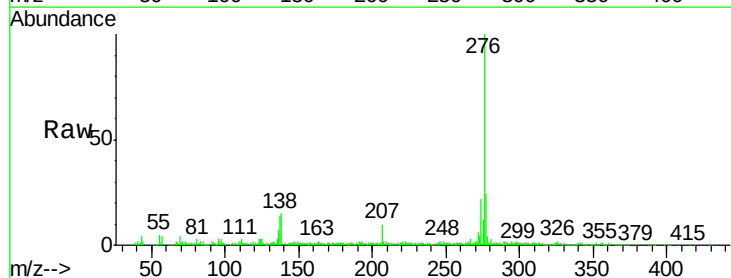
Tgt Ion:276 Resp: 429099

Ion Ratio Lower Upper

276 100

138 14.6 12.6 19.0

277 24.2 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

