

Data Path : Z:\HPCHEM1\BNA M\DATA\BM070615\
 Data File : BM001870.D
 Acq On : 07 Jul 2015 19:08
 Operator : TP/UM
 Sample : G2860-08DL 50X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 08 05:34:17 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	7.66	152	71595	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	287167	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	175909	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	391630	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	386564	20.00	ng/ul	0.00
85) Perylene-d12	23.49	264	363315	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.83	99	1256	0.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	623	0.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	835	0.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	883	0.20	ng/ul	0.00
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	9.55	143	287	0.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	877	0.19	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.60	131	1252	0.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	3756	0.29	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	4108	0.24	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.32	176	4719	0.39	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.17	188	5765	0.32	ng/ul	0.00
78) Pyrene-d10	19.47	212	5175	0.32	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.34	264	5252	0.33	ng/ul	-0.02

Target Compounds

						Ovalue
6) Phenol	6.86	94	6794	1.20	ng/ul	96
11) 2-Methylphenol	8.10	108	5271	1.25	ng/ul	97
16) 4-Methylphenol	8.43	108	10230	2.24	ng/ul	89
24) 2,4-Dimethylphenol	9.64	107	5627	1.02	ng/ul	92
28) Naphthalene	10.51	128	784259	54.09	ng/ul	99
34) 2-Methylnaphthalene	12.13	142	175876	16.77	ng/ul	98
40) 1,1'-Biphenyl	13.15	154	38446	2.68	ng/ul	100
47) Acenaphthylene	14.05	152	107694	6.18	ng/ul	97
49) Acenaphthene	14.39	153	16834	1.44	ng/ul	91
53) Dibenzofuran	14.72	168	63568	3.81	ng/ul	100
58) Fluorene	15.37	166	77264	5.56	ng/ul	98
69) Phenanthrene	17.12	178	457633	21.55	ng/ul	98
71) Anthracene	17.20	178	96203	4.41	ng/ul	99
74) Carbazole	17.47	167	26916	1.41	ng/ul	100
76) Fluoranthene	19.13	202	261096	10.28	ng/ul	98
79) Pyrene	19.50	202	270098	12.59	ng/ul	99
82) Benzo(a)anthracene	21.24	228	84727	3.75	ng/ul	94
84) Chrysene	21.24	228	86189	4.03	ng/ul	97
87) Benzo(b)fluoranthene	22.82	252	77483	3.66	ng/ul	97
88) Benzo(k)fluoranthene	22.82	252	34373	1.68	ng/ul	95
90) Benzo(a)pyrene	23.39	252	71095	3.46	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.73	276	39953	1.64	ng/ul	97
93) Benzo(g,h,i)perylene	26.43	276	25443	1.24	ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 08 05:33:09 2015
Response via : Initial Calibration

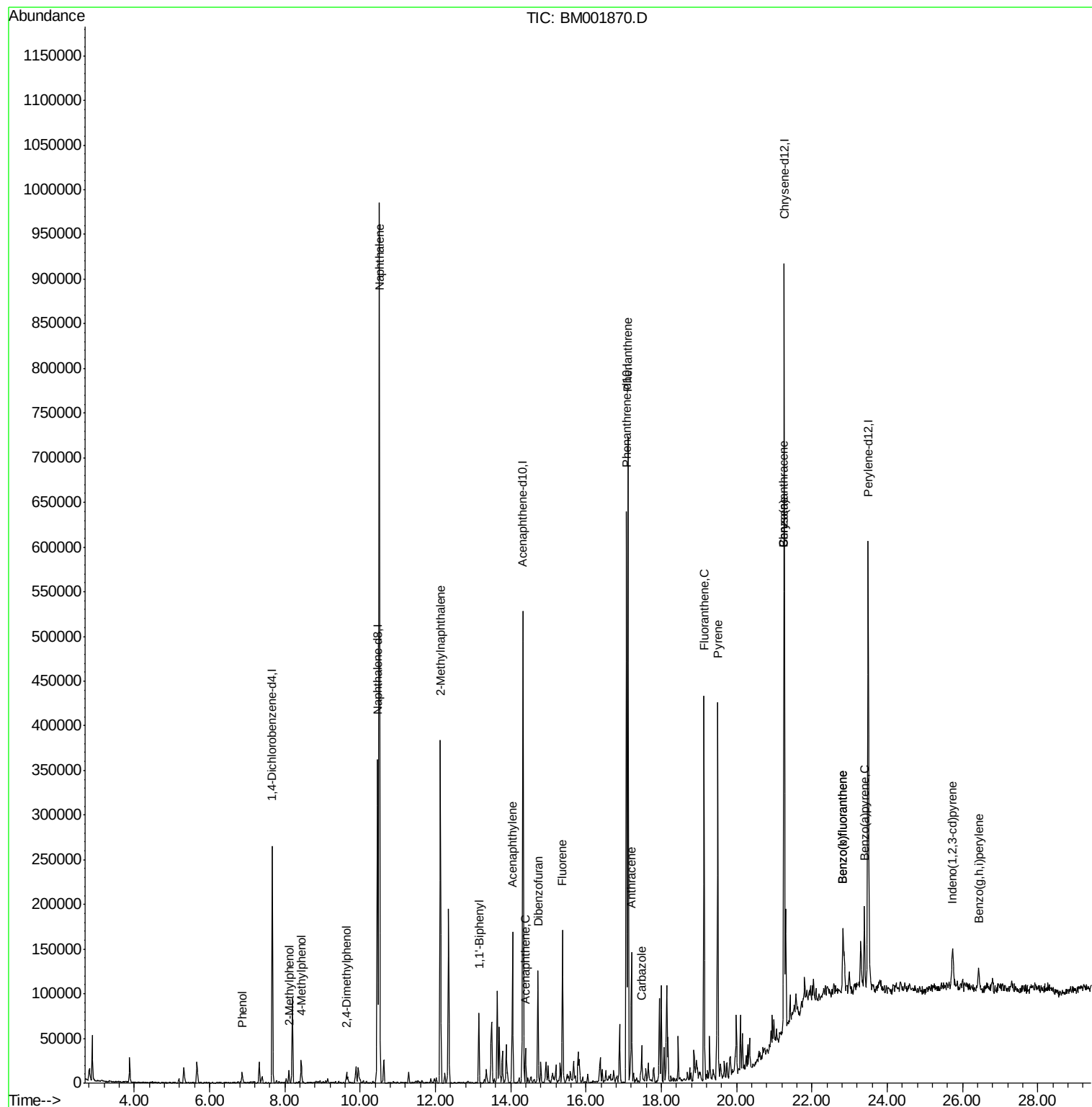
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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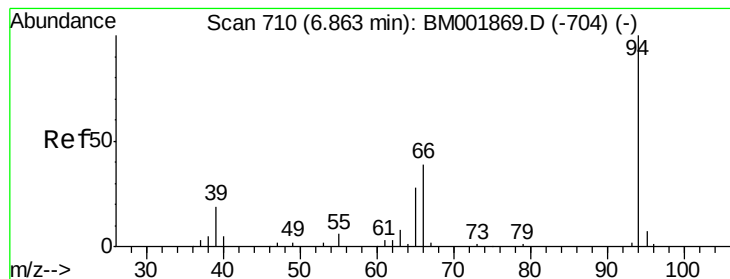
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.20 ng/ul

RT: 6.86 min Scan# 710

Delta R.T. 0.00 min

Lab File: BM001870.D

Acq: 07 Jul 2015 19:08

Instrument :

BNA_M

ClientSampled :

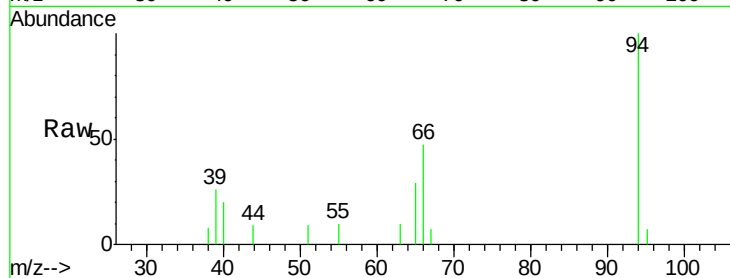
Tot Ion: 94 Resp: 6794

Ion Ratio Lower Upper

94 100

65 28.8 26.1 39.1

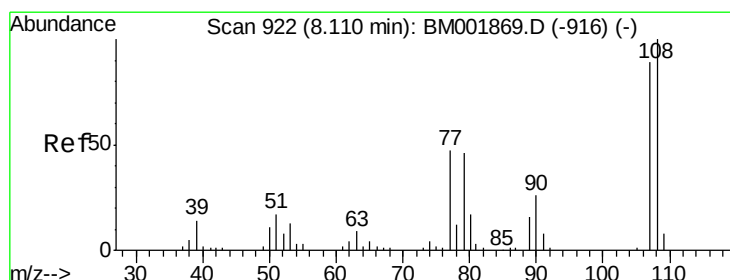
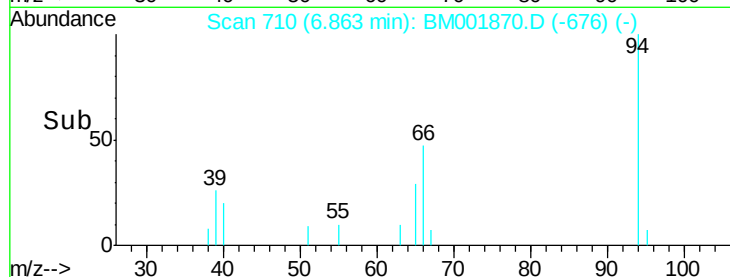
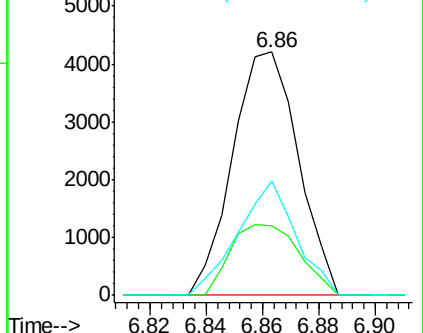
66 46.7 35.9 53.9



Abundance Ion 94.00 (93.70 to 94.70): BM001869.D (-704) (-)

Ion 65.00 (64.70 to 65.70): BM001869.D (-704) (-)

Ion 66.00 (65.70 to 66.70): BM001869.D (-704) (-)



#11

2-Methylphenol

Concen: 1.25 ng/ul

RT: 8.10 min Scan# 921

Delta R.T. -0.01 min

Lab File: BM001870.D

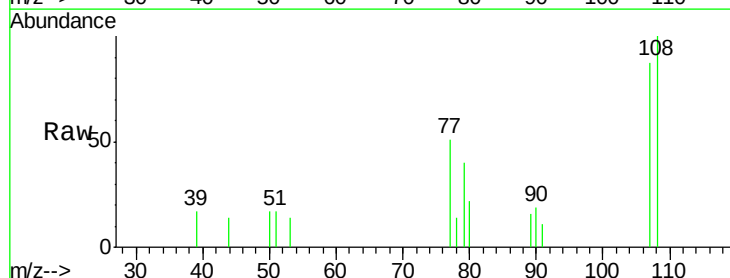
Acq: 07 Jul 2015 19:08

Tgt Ion: 108 Resp: 5271

Ion Ratio Lower Upper

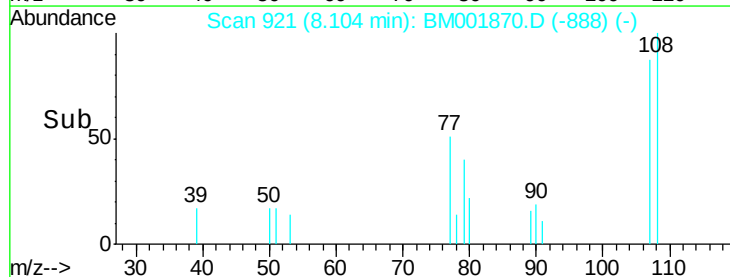
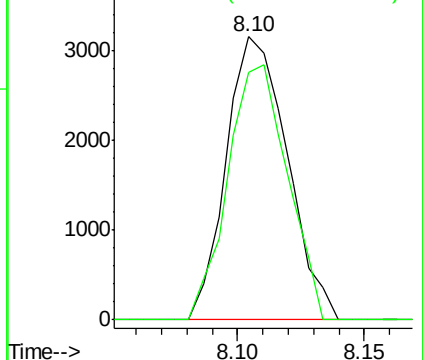
108 100

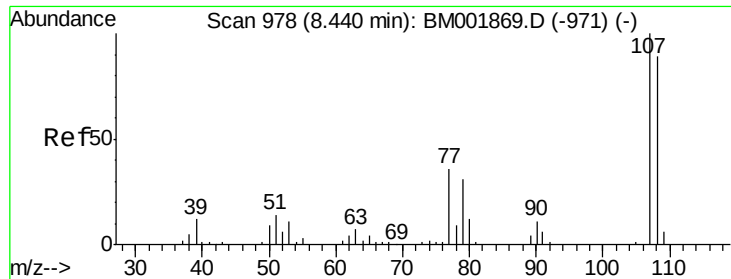
107 87.4 72.1 108.1



Abundance Ion 108.00 (107.70 to 108.70): BM001869.D (-916) (-)

Ion 107.00 (106.70 to 107.70): BM001869.D (-916) (-)

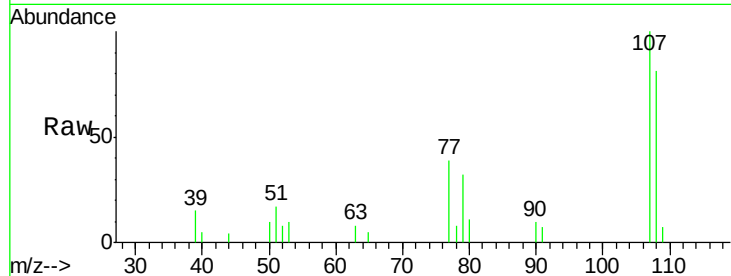




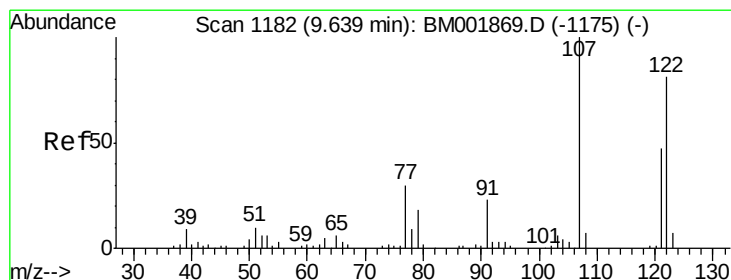
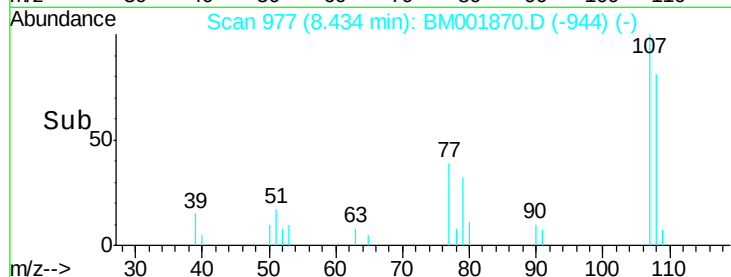
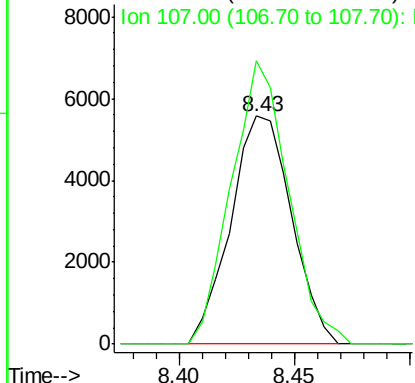
#16
4-Methylphenol
Concen: 2.24 ng/ul
RT: 8.43 min Scan# 977
Delta R.T. -0.01 min
Lab File: BM001870.D
Acq: 07 Jul 2015 19:08

Instrument :
BNA_M
ClientSampleId :

Tot Ion:108 Resp: 10230
Ion Ratio Lower Upper
108 100
107 124.2 89.9 134.9

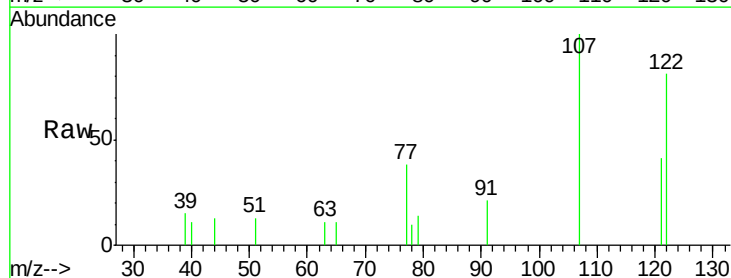


Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

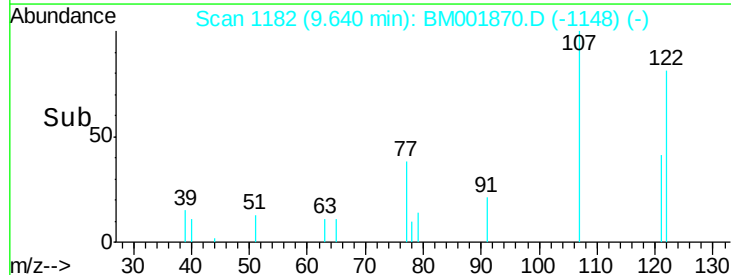
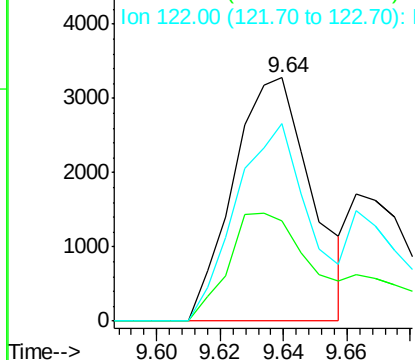


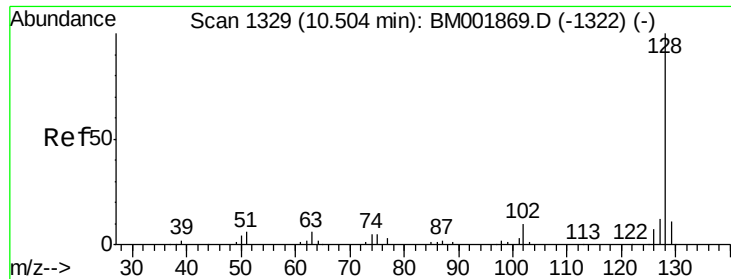
#24
2,4-Dimethylphenol
Concen: 1.02 ng/ul
RT: 9.64 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BM001870.D
Acq: 07 Jul 2015 19:08

Tgt Ion:107 Resp: 5627
Ion Ratio Lower Upper
107 100
121 41.4 37.4 56.2
122 81.2 59.2 88.8



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E
Ion 122.00 (121.70 to 122.70): E

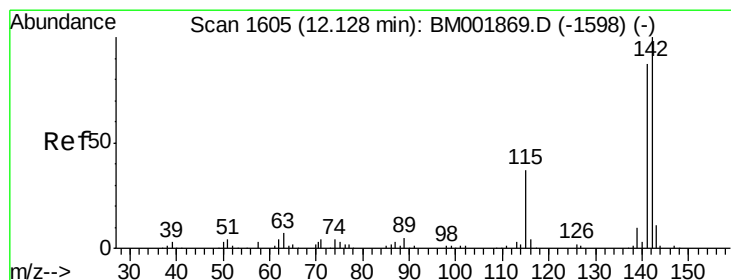
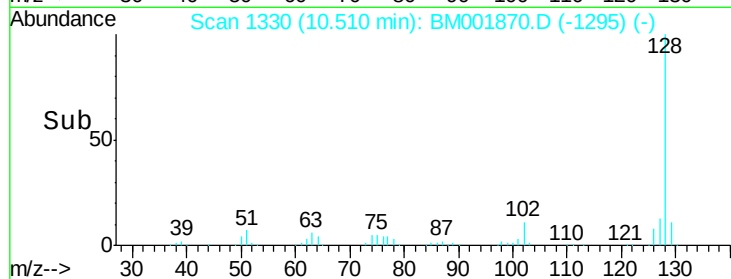
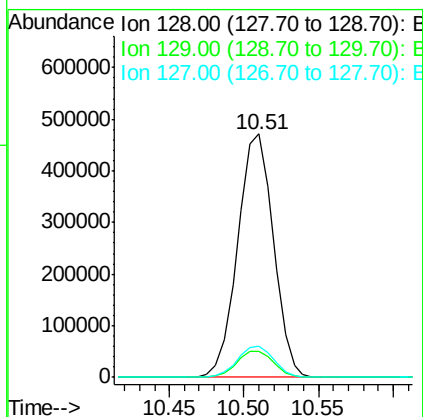
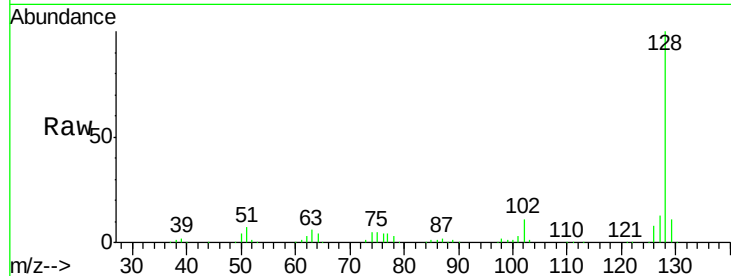




#28
Naphthalene
Concen: 54.09 ng/ul
RT: 10.51 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BM001870.D
Acq: 07 Jul 2015 19:08

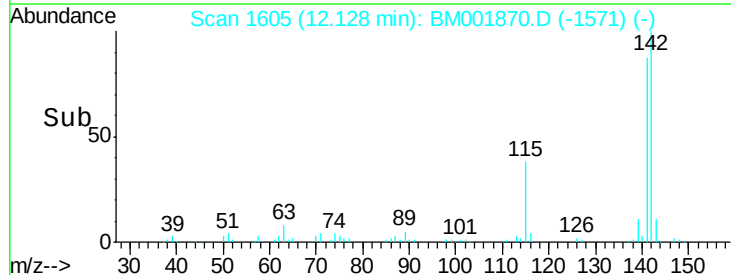
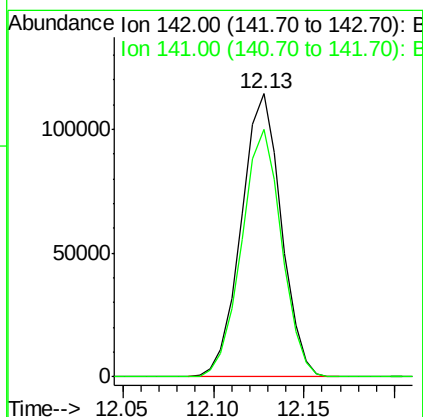
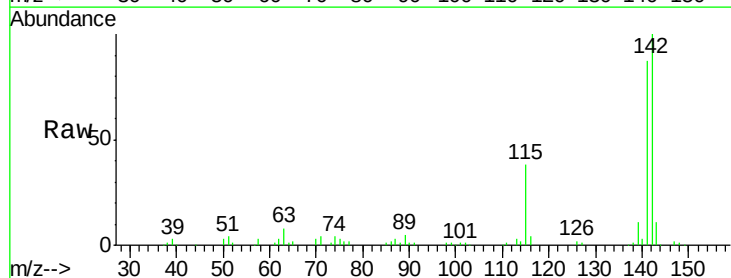
Instrument :
BNA_M
ClientSampleId :

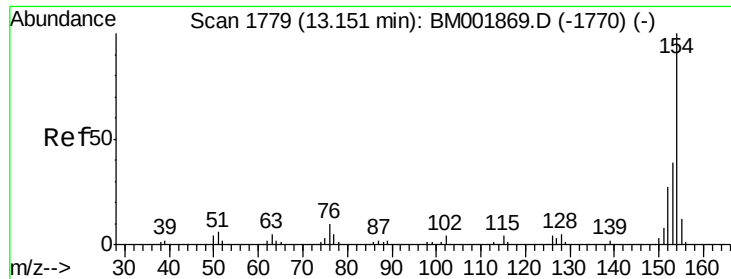
Tot Ion:128 Resp: 784259
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 12.9 10.0 15.0



#34
2-Methylnaphthalene
Concen: 16.77 ng/ul
RT: 12.13 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BM001870.D
Acq: 07 Jul 2015 19:08

Tgt Ion:142 Resp: 175876
Ion Ratio Lower Upper
142 100
141 87.5 71.6 107.4

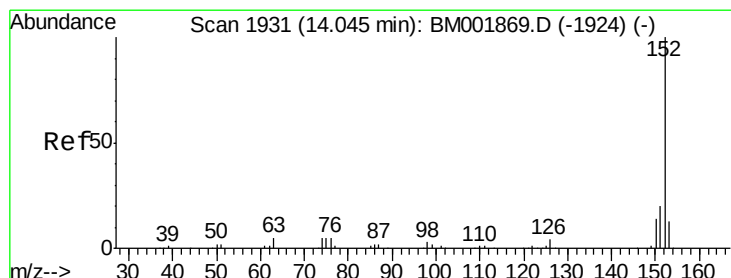
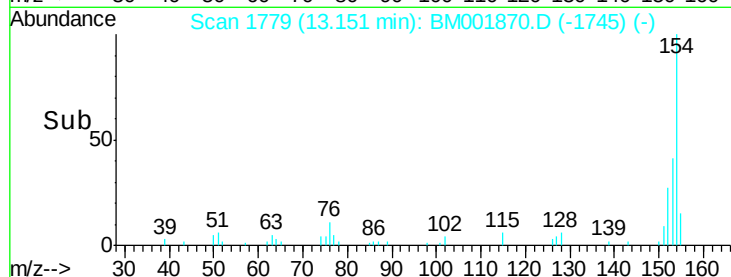
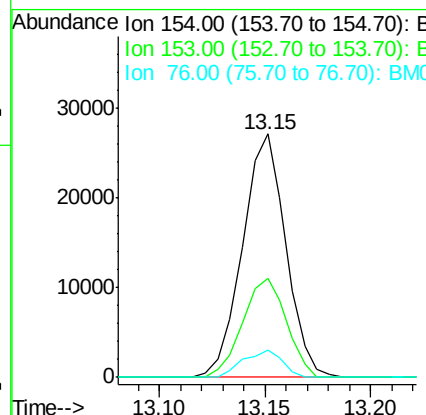
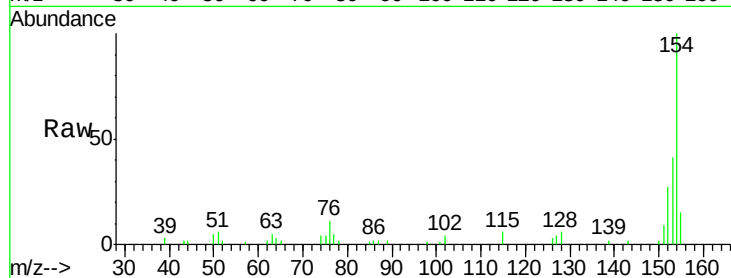




#40
 1,1'-Biphenyl
 Concen: 2.68 ng/ul
 RT: 13.15 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: BM001870.D
 Acq: 07 Jul 2015 19:08

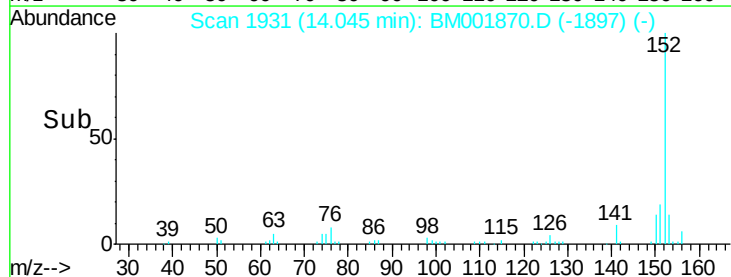
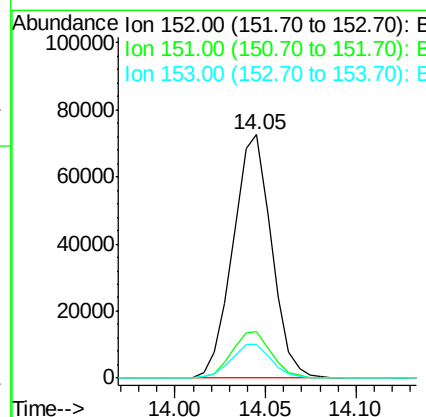
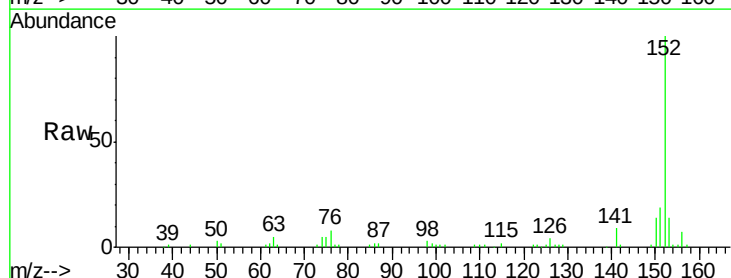
Instrument :
 BNA_M
 ClientSampleId :

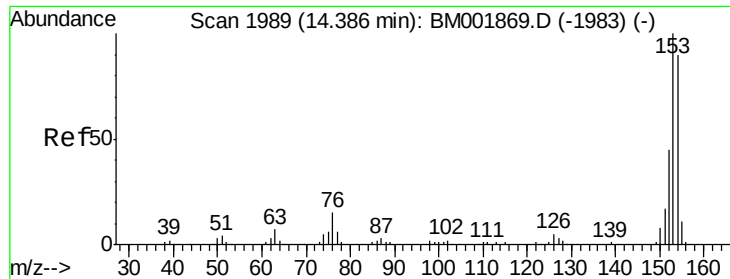
Tot Ion:154 Resp: 38446
 Ion Ratio Lower Upper
 154 100
 153 40.5 32.5 48.7
 76 11.0 9.0 13.6



#47
 Acenaphthylene
 Concen: 6.18 ng/ul
 RT: 14.05 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: BM001870.D
 Acq: 07 Jul 2015 19:08

Tgt Ion:152 Resp: 107694
 Ion Ratio Lower Upper
 152 100
 151 18.9 15.9 23.9
 153 13.8 10.0 15.0





#49

Acenaphthene

Concen: 1.44 ng/ul

RT: 14.39 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BM001870.D

Acq: 07 Jul 2015 19:08

Instrument :

BNA_M

ClientSampleId :

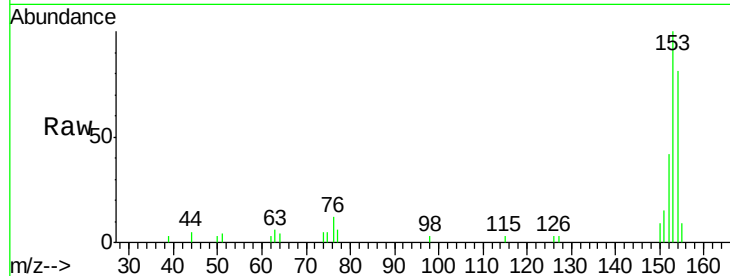
Tot Ion:153 Resp: 16834

Ion Ratio Lower Upper

153 100

152 41.6 36.6 55.0

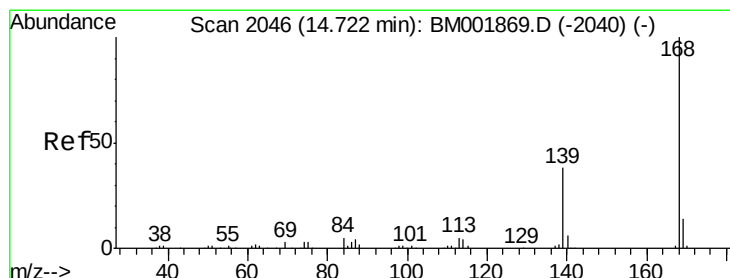
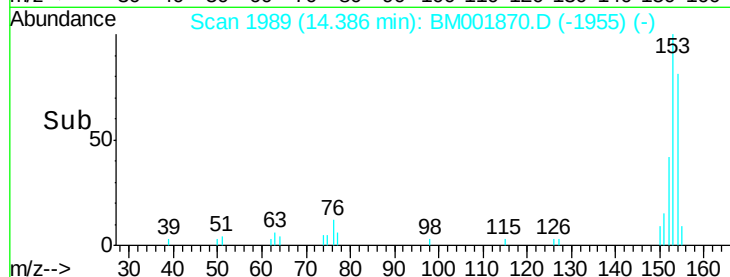
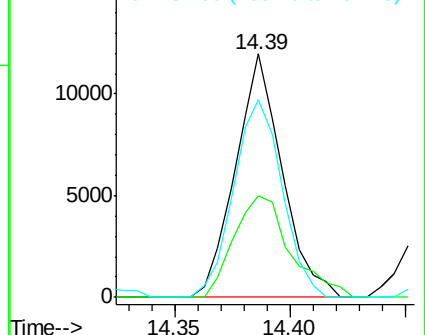
154 81.0 72.6 108.8



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



#53

Dibenzofuran

Concen: 3.81 ng/ul

RT: 14.72 min Scan# 2046

Delta R.T. 0.00 min

Lab File: BM001870.D

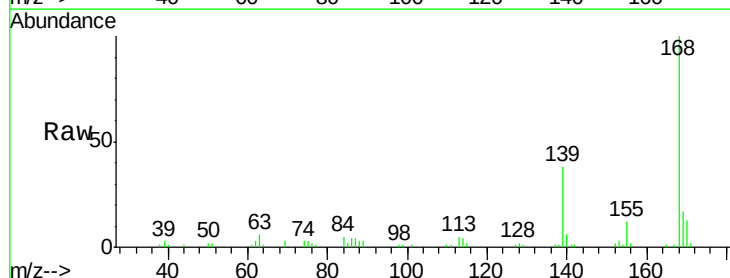
Acq: 07 Jul 2015 19:08

Tgt Ion:168 Resp: 63568

Ion Ratio Lower Upper

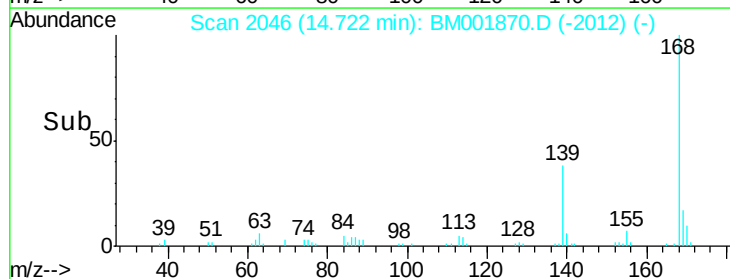
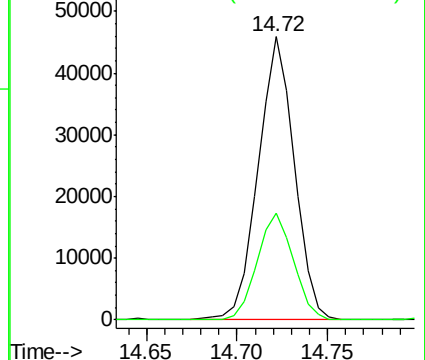
168 100

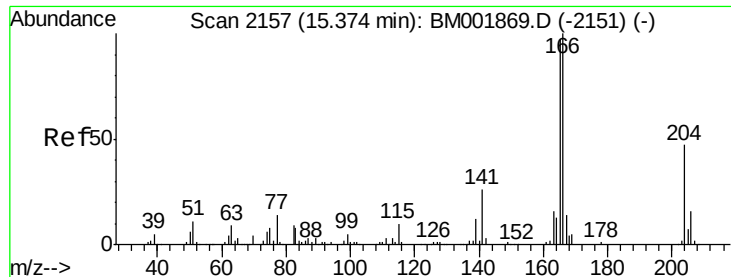
139 37.8 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

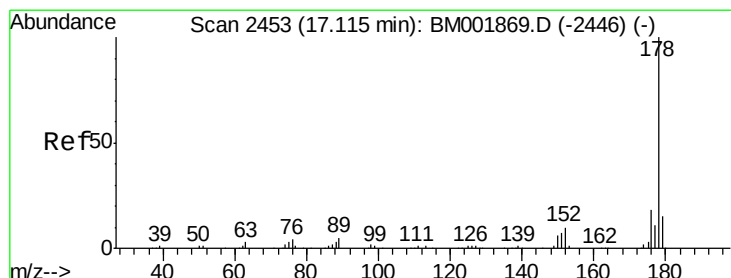
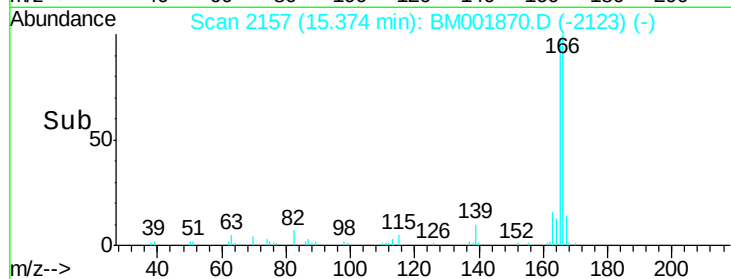
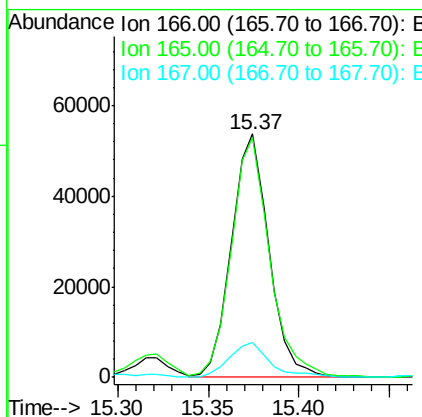
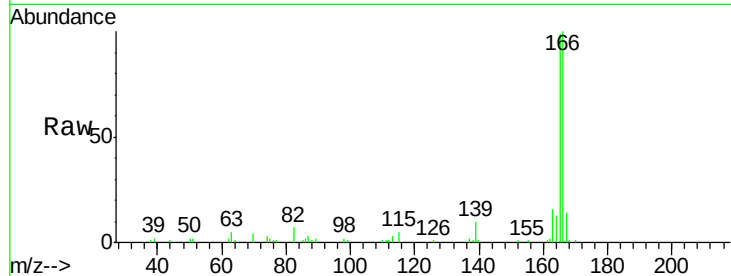




#58
 Fluorene
 Concen: 5.56 ng/ul
 RT: 15.37 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: BM001870.D
 Acq: 07 Jul 2015 19:08

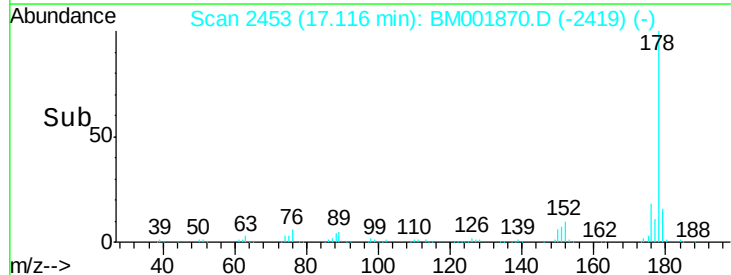
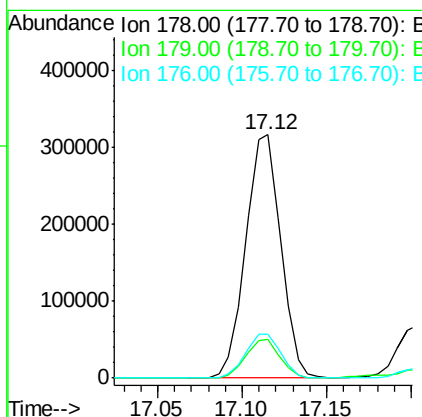
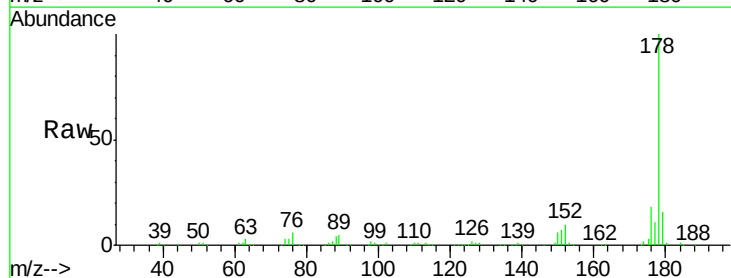
Instrument :
 BNA_M
 ClientSampleId :

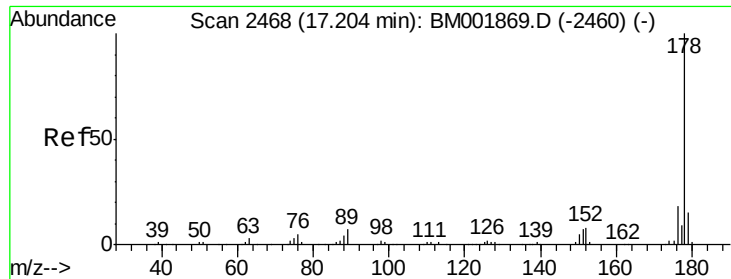
Tot Ion:166 Resp: 77264
 Ion Ratio Lower Upper
 166 100
 165 98.6 77.4 116.2
 167 14.3 11.3 16.9



#69
 Phenanthrene
 Concen: 21.55 ng/ul
 RT: 17.12 min Scan# 2453
 Delta R.T. 0.00 min
 Lab File: BM001870.D
 Acq: 07 Jul 2015 19:08

Tgt Ion:178 Resp: 457633
 Ion Ratio Lower Upper
 178 100
 179 15.8 11.9 17.9
 176 18.0 15.2 22.8

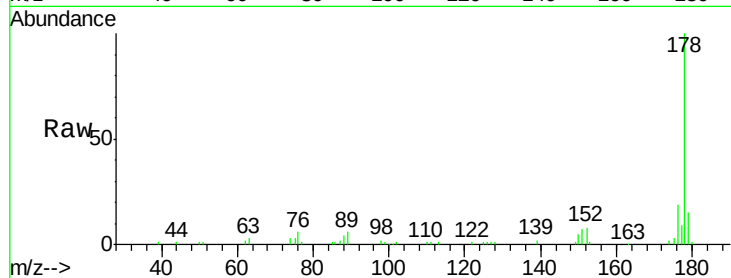




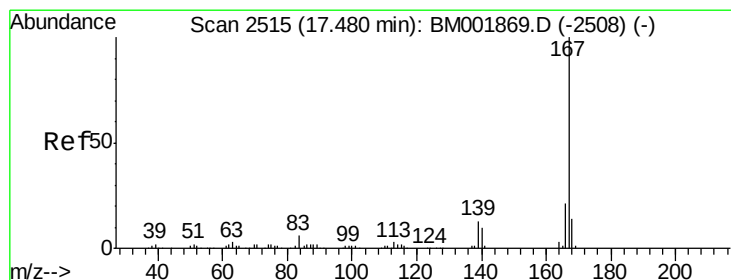
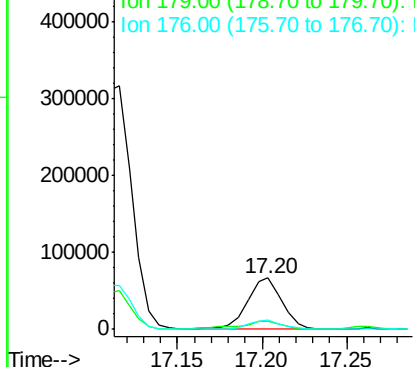
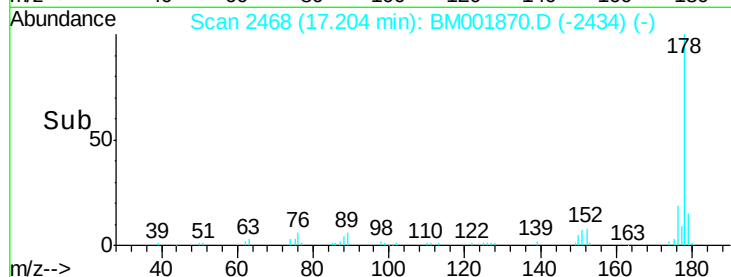
#71
 Anthracene
 Concen: 4.41 ng/ul
 RT: 17.20 min Scan# 2468
 Delta R.T. 0.00 min
 Lab File: BM001870.D
 Acq: 07 Jul 2015 19:08

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 96203
 Ion Ratio Lower Upper
 178 100
 179 15.1 11.8 17.8
 176 18.6 14.4 21.6

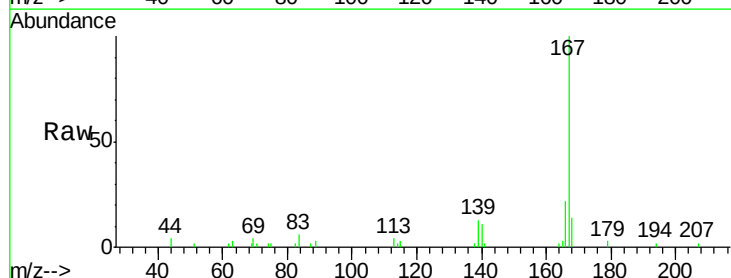


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

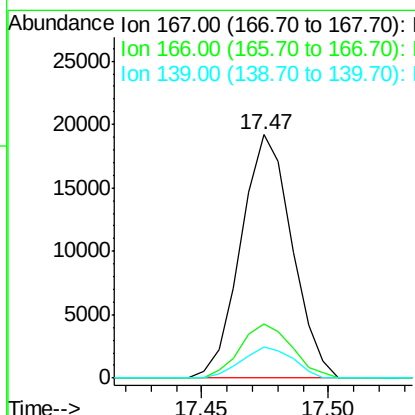
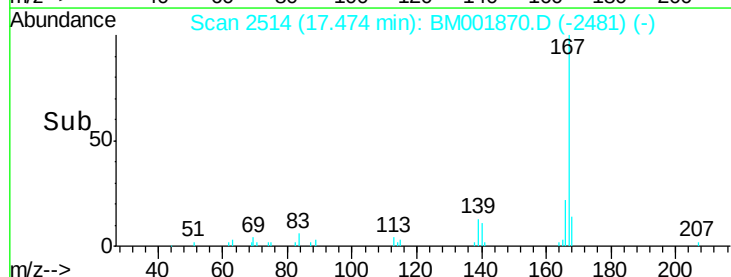


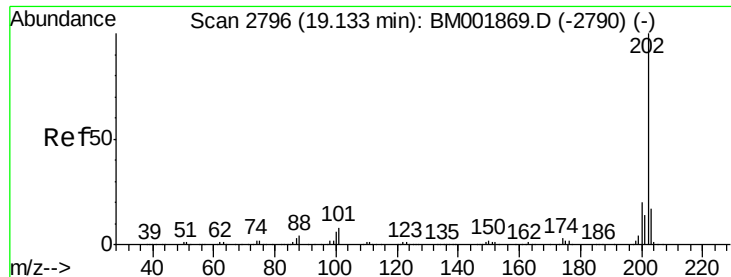
#74
 Carbazole
 Concen: 1.41 ng/ul
 RT: 17.47 min Scan# 2514
 Delta R.T. -0.01 min
 Lab File: BM001870.D
 Acq: 07 Jul 2015 19:08

Tgt Ion:167 Resp: 26916
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.2
 139 12.7 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

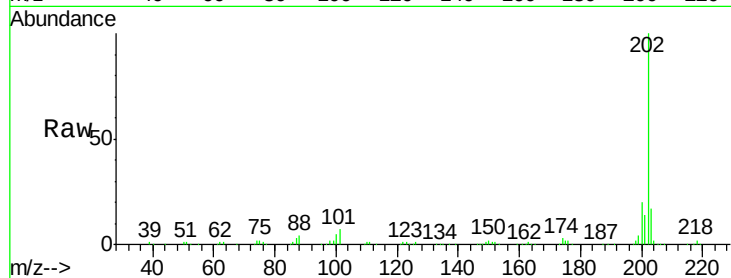




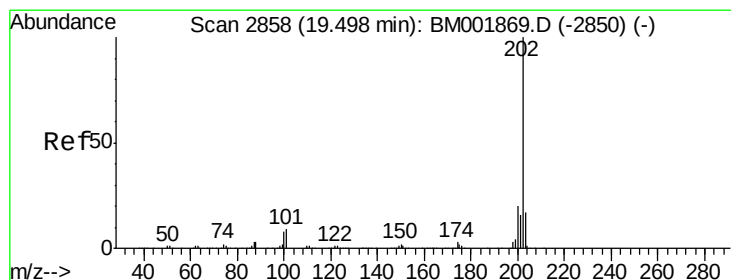
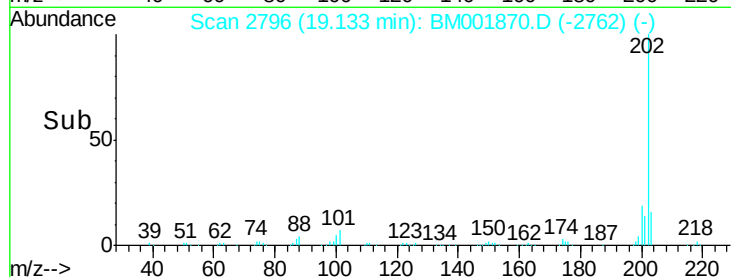
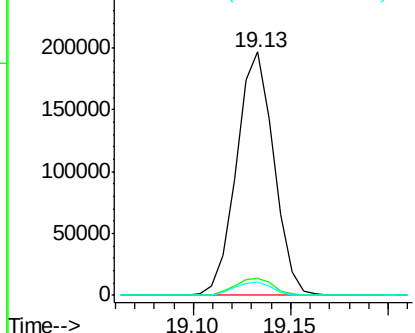
#76
 Fluoranthene
 Concen: 10.28 ng/ul
 RT: 19.13 min Scan# 2796
 Delta R.T. 0.00 min
 Lab File: BM001870.D
 Acq: 07 Jul 2015 19:08

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.0	6.1	9.1
100	5.2	4.8	7.2

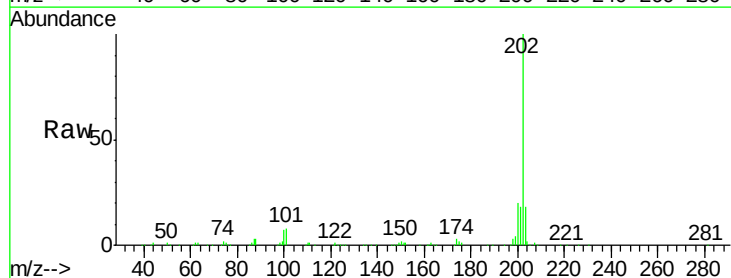


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

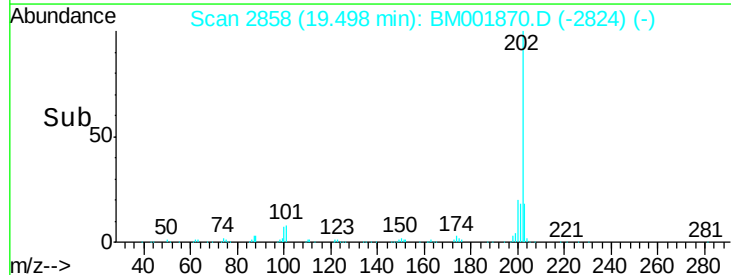
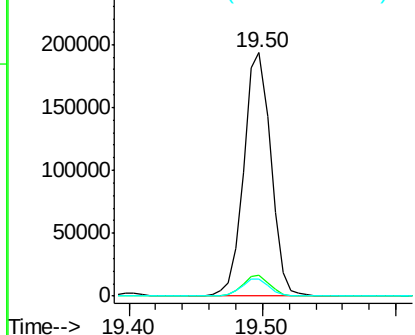


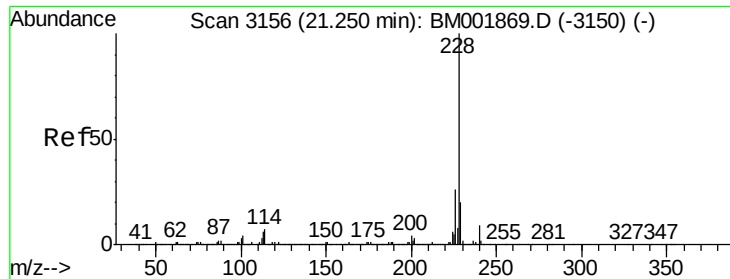
#79
 Pyrene
 Concen: 12.59 ng/ul
 RT: 19.50 min Scan# 2858
 Delta R.T. 0.00 min
 Lab File: BM001870.D
 Acq: 07 Jul 2015 19:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.9	10.3
100	7.2	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: 3.75 ng/ul

RT: 21.24 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BM001870.D

Acq: 07 Jul 2015 19:08

Instrument :

BNA_M

ClientSampleId :

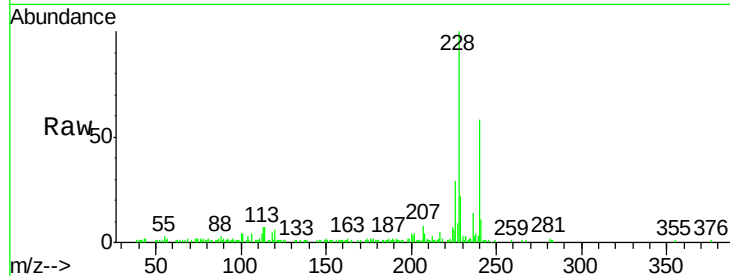
Tot Ion:228 Resp: 84727

Ion Ratio Lower Upper

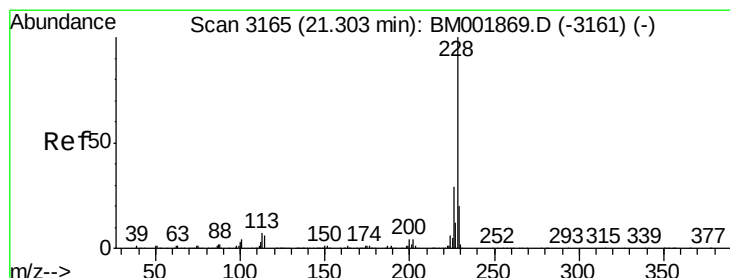
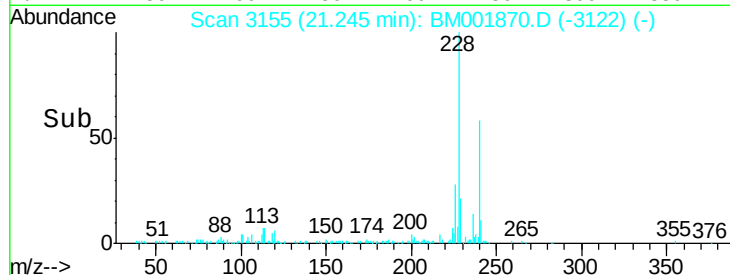
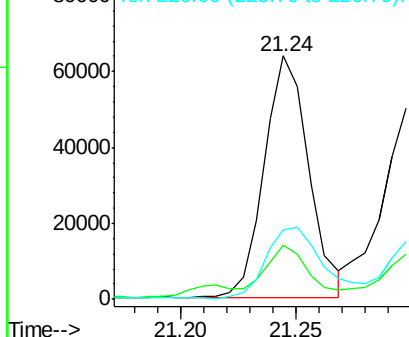
228 100

229 22.2 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: 4.03 ng/ul

RT: 21.24 min Scan# 3155

Delta R.T. -0.06 min

Lab File: BM001870.D

Acq: 07 Jul 2015 19:08

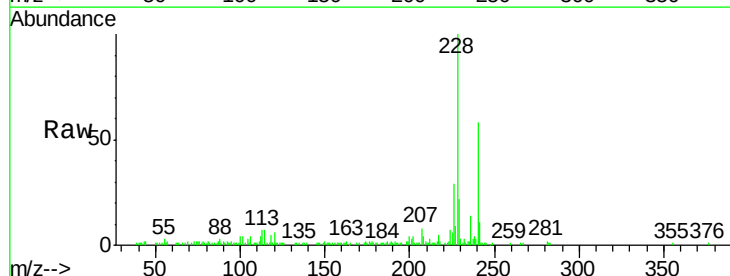
Tgt Ion:228 Resp: 86189

Ion Ratio Lower Upper

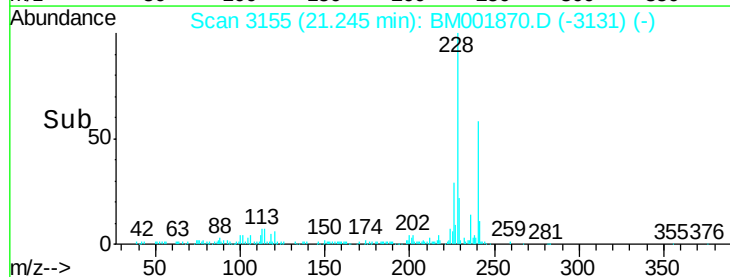
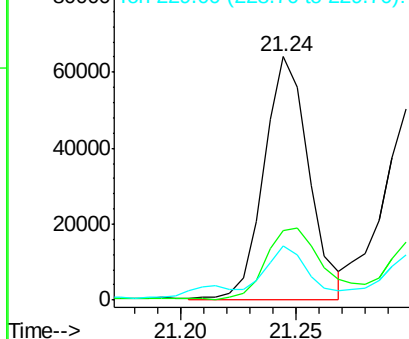
228 100

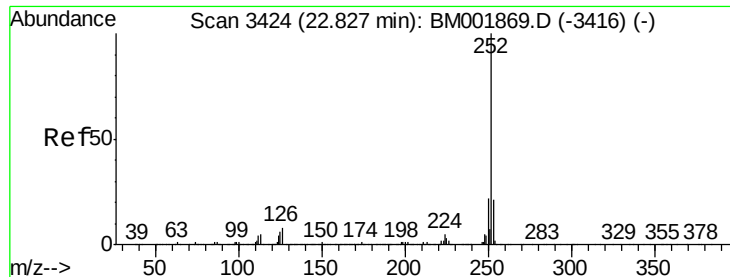
226 28.8 23.0 34.4

229 22.2 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: 3.66 ng/ul

RT: 22.82 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BM001870.D

Acq: 07 Jul 2015 19:08

Instrument :

BNA_M

ClientSampleId :

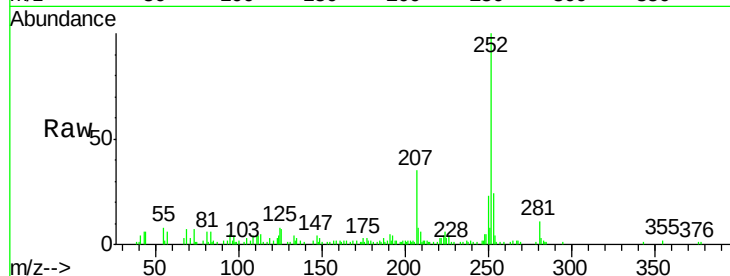
Tot Ion:252 Resp: 77483

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

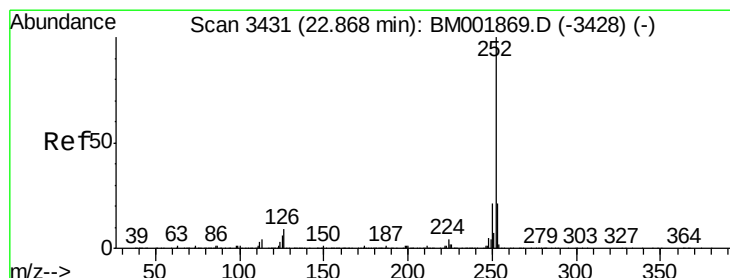
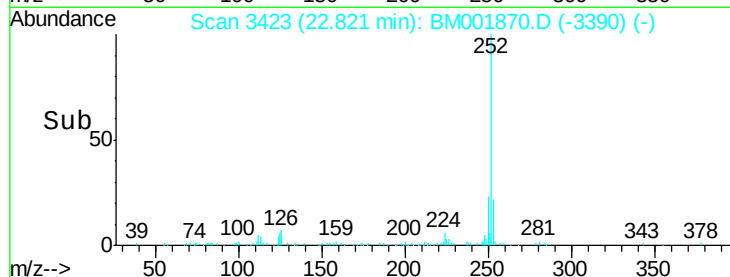
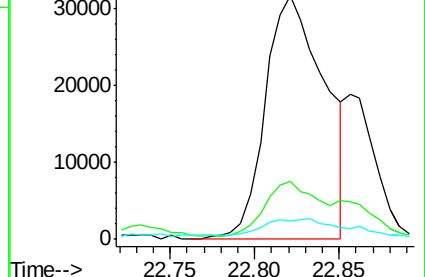
125 7.8 5.3 7.9



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: 1.68 ng/ul

RT: 22.82 min Scan# 3423

Delta R.T. -0.05 min

Lab File: BM001870.D

Acq: 07 Jul 2015 19:08

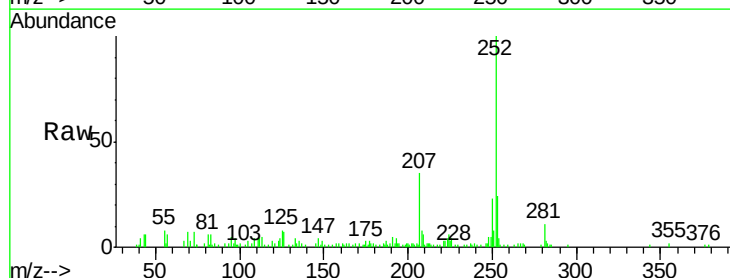
Tgt Ion:252 Resp: 34373

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

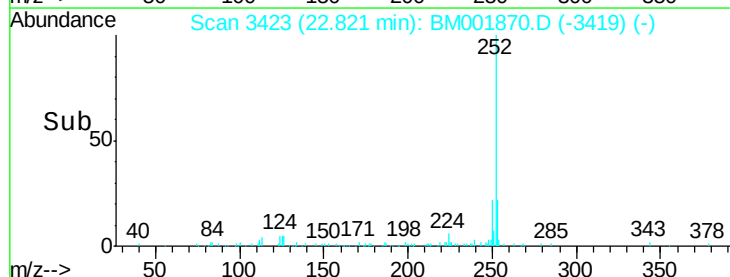
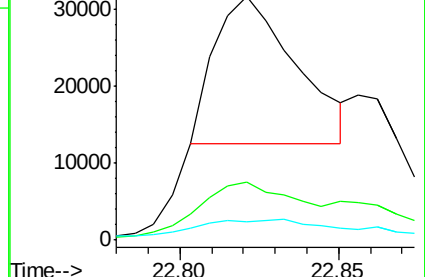
125 7.8 5.3 7.9

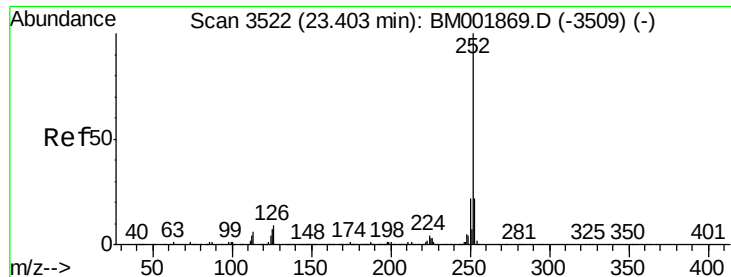


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

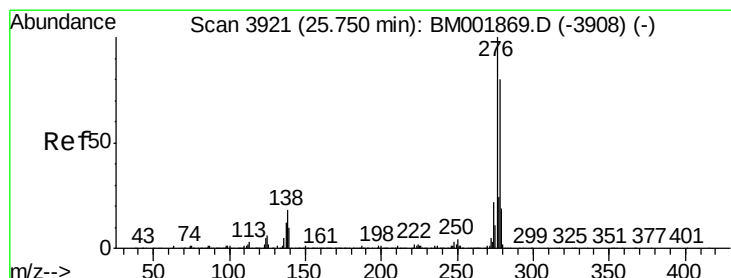
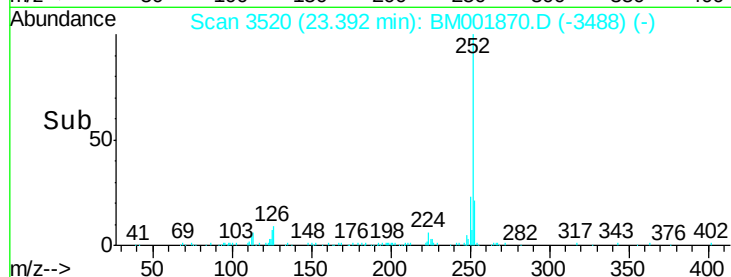
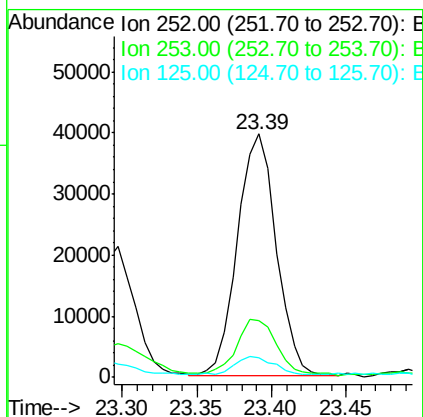
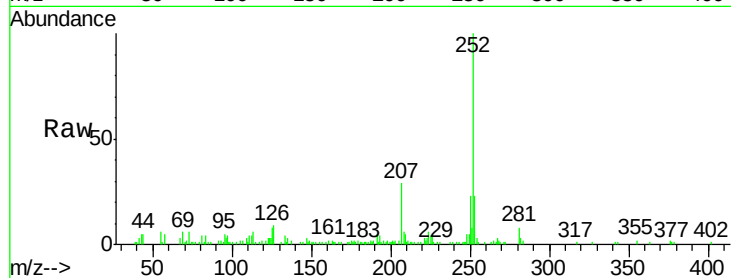




#90
Benzo(a)pyrene
Concen: 3.46 ng/ul
RT: 23.39 min Scan# 3520
Delta R.T. -0.01 min
Lab File: BM001870.D
Acq: 07 Jul 2015 19:08

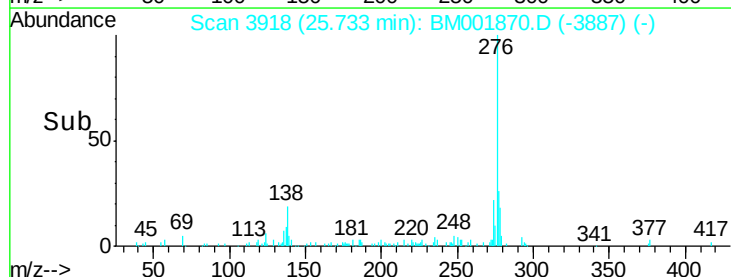
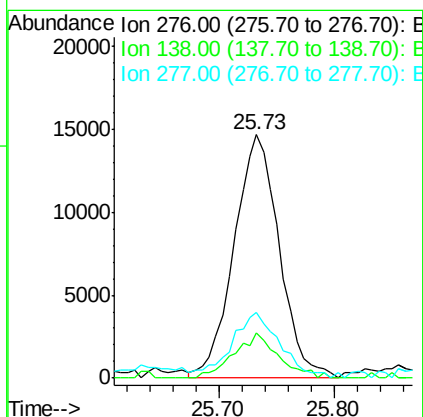
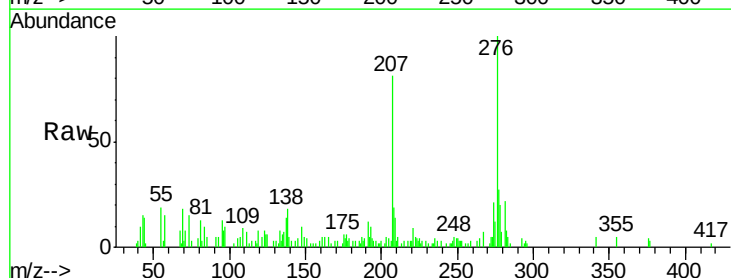
Instrument :
BNA_M
ClientSampleId :

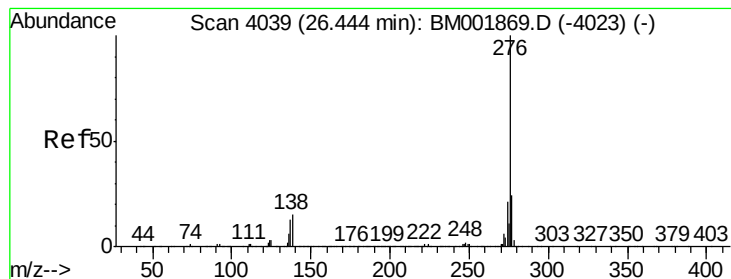
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	8.2	6.0	9.0



#91
Indeno(1,2,3-cd)pyrene
Concen: 1.64 ng/ul
RT: 25.73 min Scan# 3918
Delta R.T. -0.02 min
Lab File: BM001870.D
Acq: 07 Jul 2015 19:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.4	14.7	22.1
277	27.2	19.7	29.5





#93

Benzo(a,h,i)perylene

Concen: 1.24 ng/ul

RT: 26.43 min Scan# 4036

Delta R.T. -0.02 min

Lab File: BM001870.D

Acq: 07 Jul 2015 19:08

Instrument :

BNA_M

ClientSampleId :

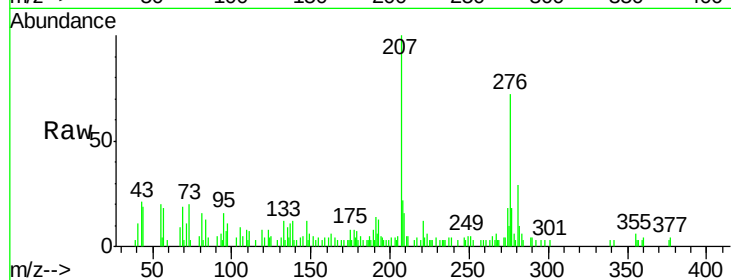
Tot Ion: 276 Resp: 25443

Ion Ratio Lower Upper

276 100

138 16.1 12.6 19.0

277 25.2 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

