

Data Path : Z:\HPCHEM1\BNA M\DATA\BM070615\
 Data File : BM001872.D
 Acq On : 07 Jul 2015 20:21
 Operator : TP/UM
 Sample : G2860-18
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 08 05:34:51 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	89428	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	334656	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	177663	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	351234	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	380860	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	396586	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	4413	2.35	ng/uL	0.00
5) Phenol-d5	6.83	99	97413	14.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	53107	13.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	80454	14.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	78176	14.18	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	36406	15.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	43325	17.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	81384	15.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	63894	11.58	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	198382	15.06	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	264740	15.33	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	30334	12.48	ng/ul	0.00
57) Fluorene-d10	15.32	176	183318	15.00	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	25608	11.94	ng/ul	0.00
70) Anthracene-d10	17.17	188	255669	15.63	ng/ul	0.00
78) Pyrene-d10	19.47	212	264493	16.40	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.36	264	271450	15.53	ng/ul	0.00

Target Compounds

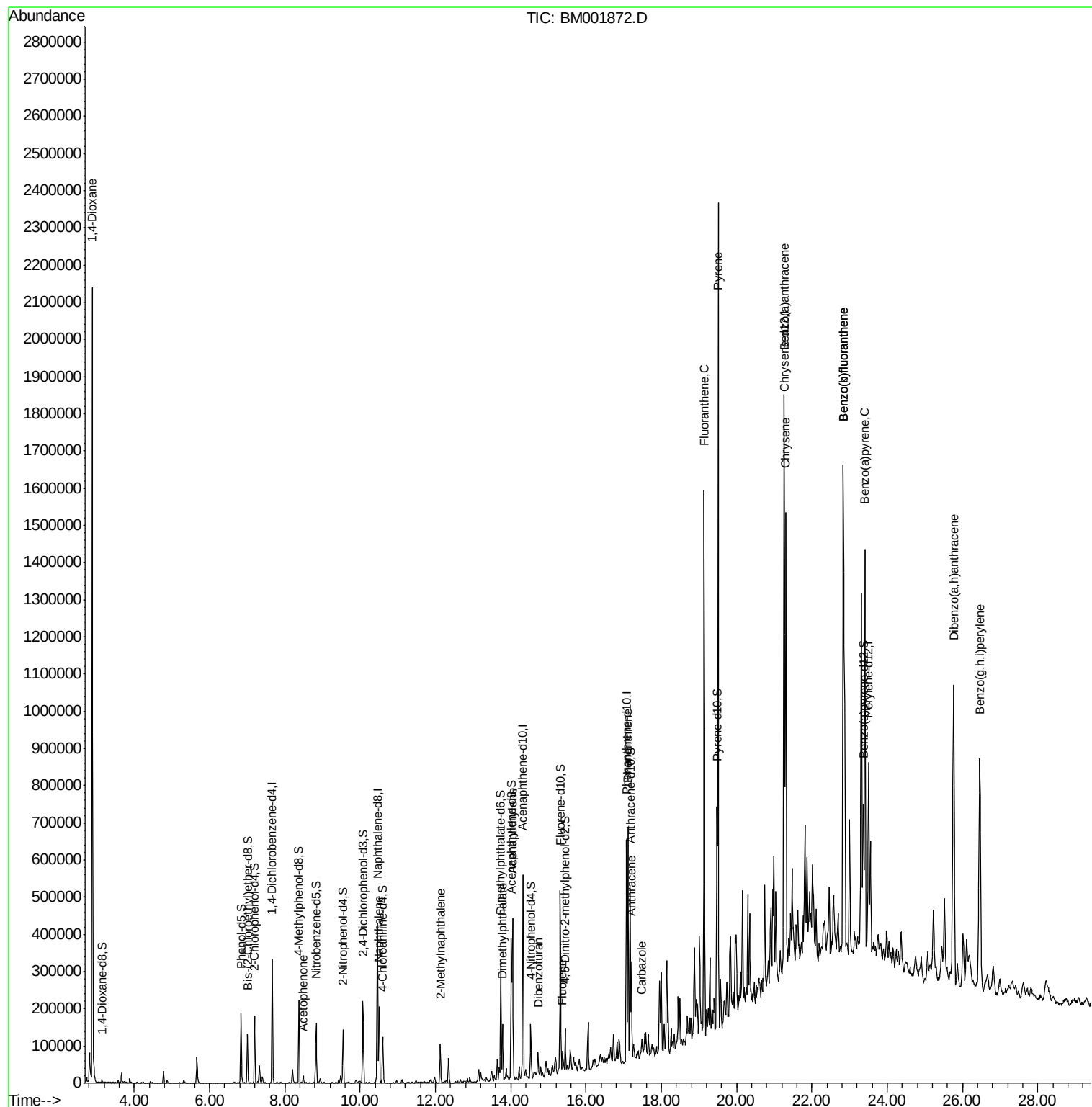
					Ovalue
2) 1,4-Dioxane	2.88	88	14973	6.99 ng/uL#	1
14) Acetophenone	8.49	105	10341	1.18 ng/ul	94
28) Naphthalene	10.50	128	153954	9.11 ng/ul	99
34) 2-Methylnaphthalene	12.13	142	47728	3.91 ng/ul	97
44) Dimethylphthalate	13.78	163	43995	3.06 ng/ul	99
47) Acenaphthylene	14.04	152	299828	17.03 ng/ul	99
53) Dibenzofuran	14.72	168	24362	1.45 ng/ul	94
58) Fluorene	15.37	166	27755	1.98 ng/ul	92
69) Phenanthrene	17.11	178	392767	20.62 ng/ul	97
71) Anthracene	17.20	178	163263	8.35 ng/ul	99
74) Carbazole	17.47	167	19068	1.11 ng/ul	95
76) Fluoranthene	19.13	202	862917	37.88 ng/ul	100
79) Pyrene	19.50	202	1299539	61.50 ng/ul	99
82) Benzo(a)anthracene	21.25	228	697766	31.36 ng/ul	93
84) Chrysene	21.30	228	673852	31.95 ng/ul	97
87) Benzo(b)fluoranthene	22.83	252	1169864	50.67 ng/ul	99
88) Benzo(k)fluoranthene	22.83	252	517309	23.19 ng/ul	99
90) Benzo(a)pyrene	23.40	252	734608	32.71 ng/ul	98
92) Dibenzo(a,h)anthracene	25.76	278	190311	8.47 ng/ul#	89
93) Benzo(g,h,i)perylene	26.46	276	805674	35.98 ng/ul	97

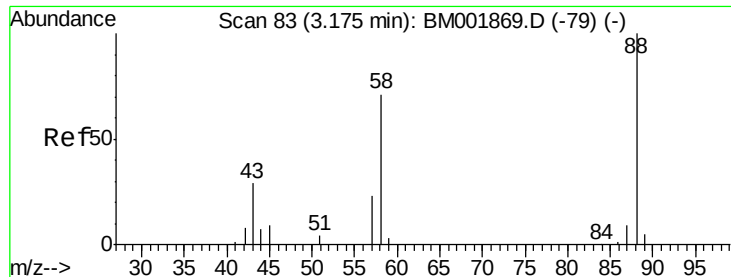
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 6.99 ng/uL

RT: 2.88 min Scan# 33

Delta R.T. -0.29 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

Instrument :

BNA_M

ClientSampleId :

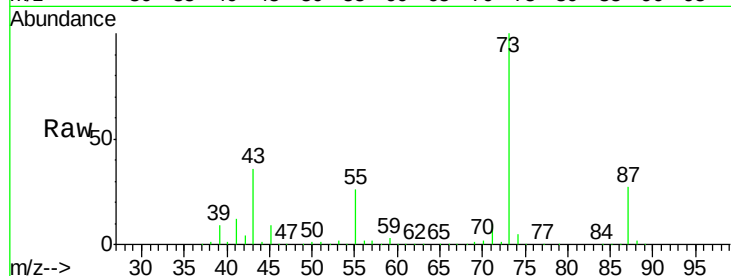
Tot Ion: 88 Resp: 14973

Ion Ratio Lower Upper

88 100

43 2426.6 24.2 36.4#

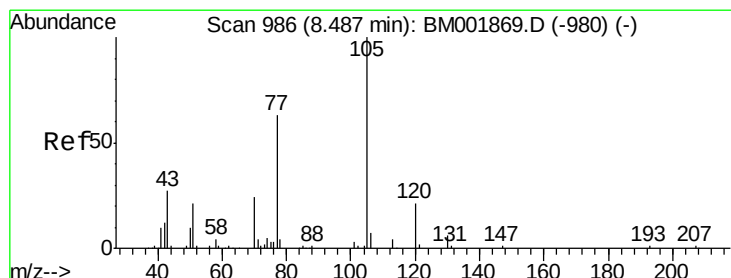
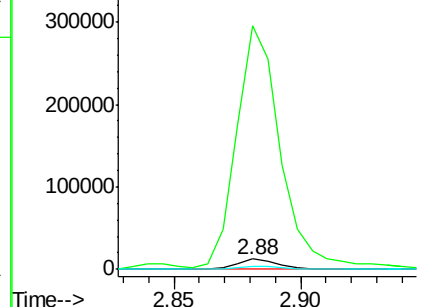
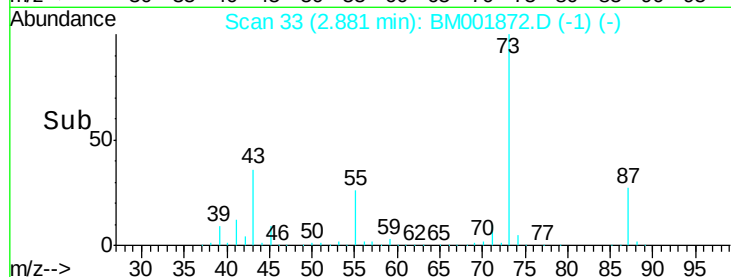
58 31.9 56.2 84.2#



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: 1.18 ng/uL

RT: 8.49 min Scan# 986

Delta R.T. -0.00 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

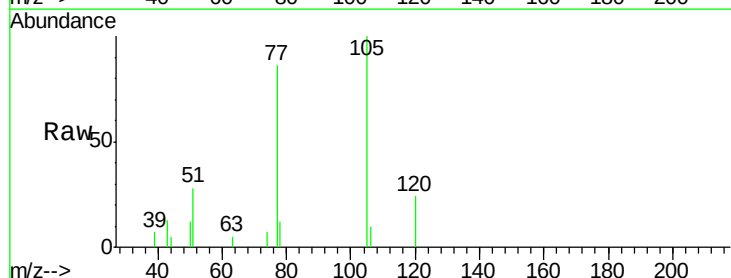
Tgt Ion: 105 Resp: 10341

Ion Ratio Lower Upper

105 100

77 86.5 64.2 96.4

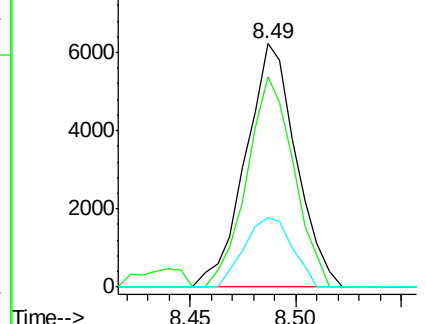
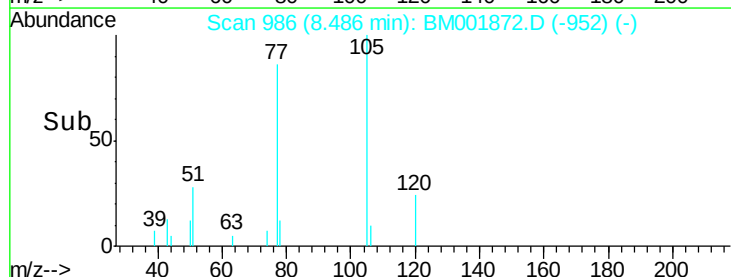
51 28.4 22.0 33.0

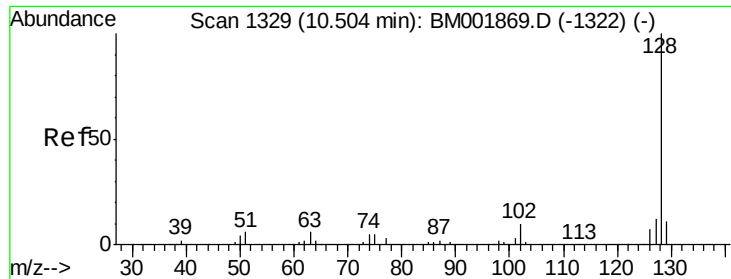


Abundance Ion 105.00 (104.70 to 105.70): BM001869.D (-980) (-)

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

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

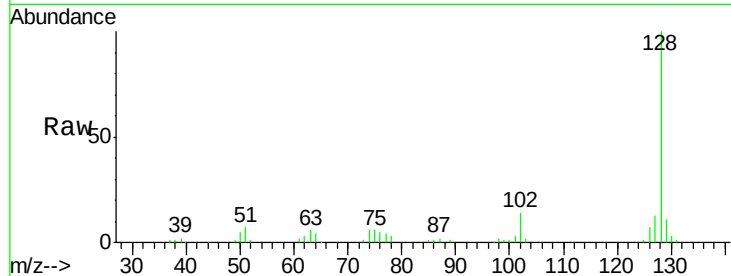




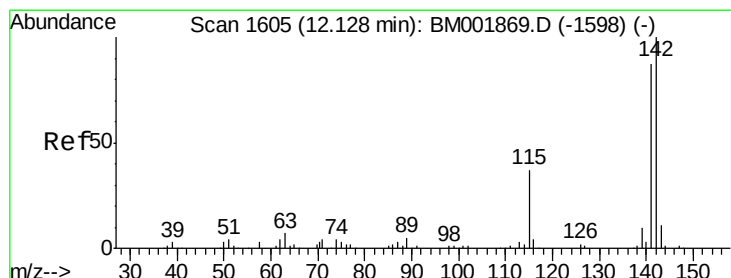
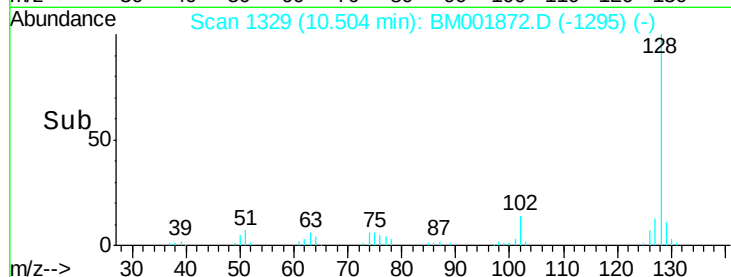
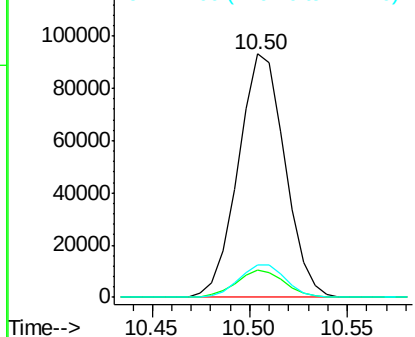
#28
Naphthalene
Concen: 9.11 ng/ul
RT: 10.50 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BM001872.D
Acq: 07 Jul 2015 20:21

Instrument :
BNA_M
ClientSampleId :

Tot Ion:128 Resp: 153954
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.2 10.0 15.0

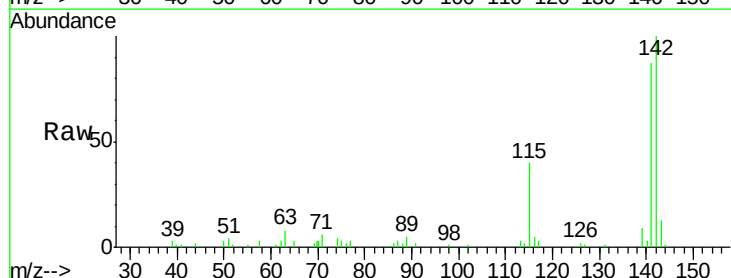


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

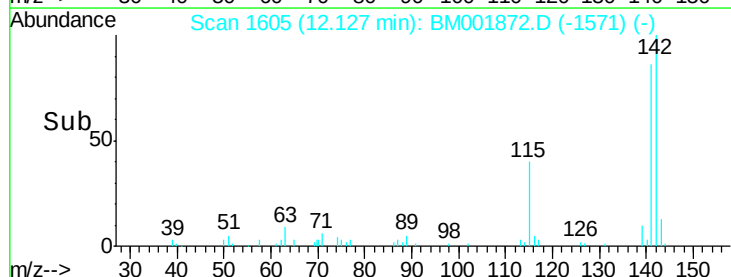
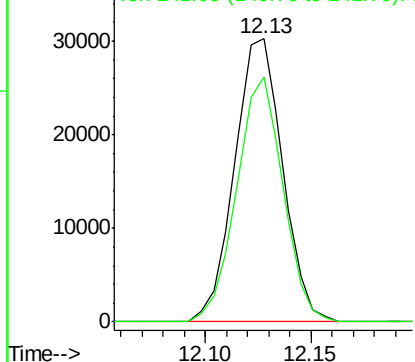


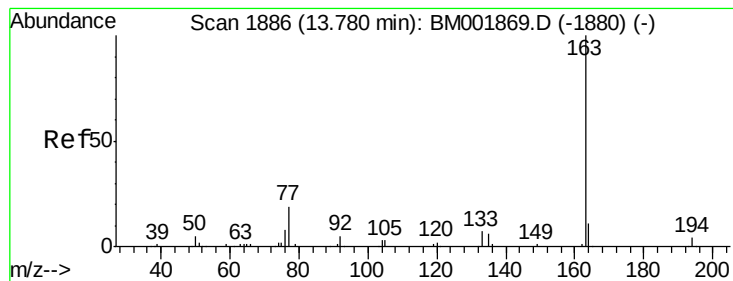
#34
2-Methylnaphthalene
Concen: 3.91 ng/ul
RT: 12.13 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BM001872.D
Acq: 07 Jul 2015 20:21

Tgt Ion:142 Resp: 47728
Ion Ratio Lower Upper
142 100
141 86.6 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: 3.06 ng/ul

RT: 13.78 min Scan# 1886

Delta R.T. -0.00 min

Lab File: BM001872.D

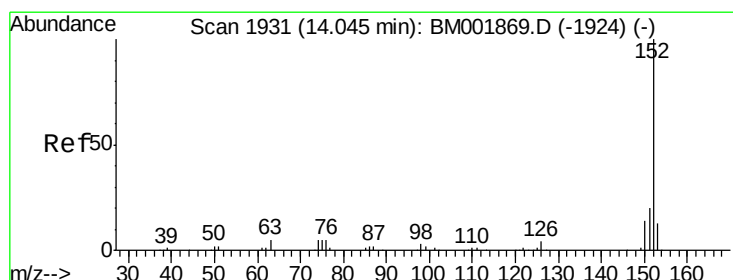
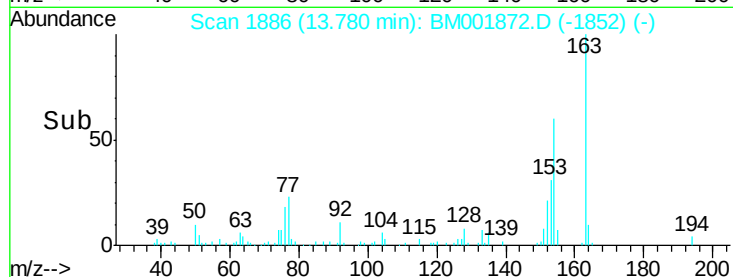
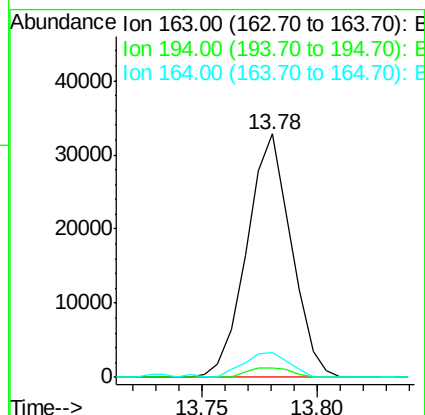
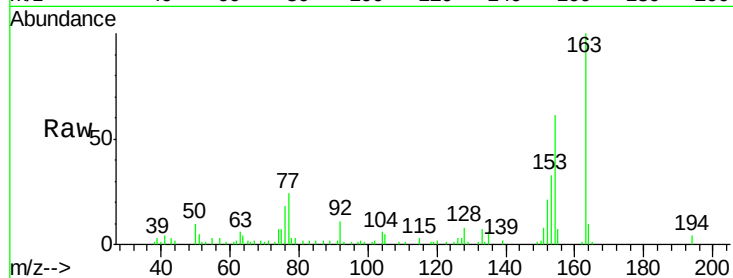
Acq: 07 Jul 2015 20:21

Instrument :

BNA_M

ClientSampled :

Tot Ion:163	Resp:	43995
Ion Ratio	Lower	Upper
163	100	
194	4.0	3.6 5.4
164	10.1	8.0 12.0



#47

Acenaphthylene

Concen: 17.03 ng/ul

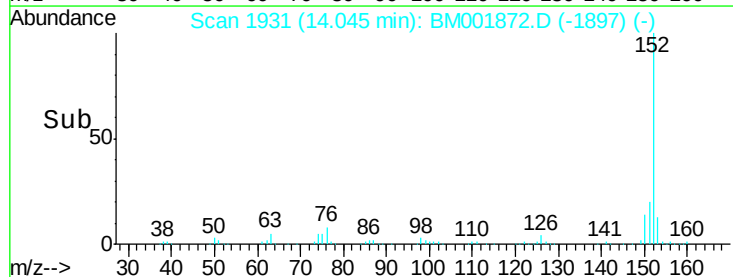
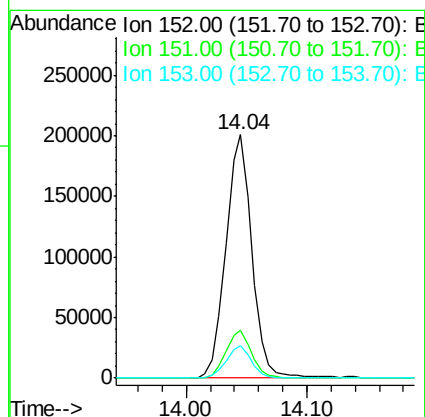
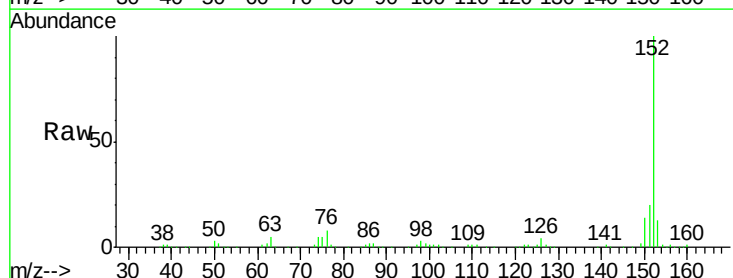
RT: 14.04 min Scan# 1931

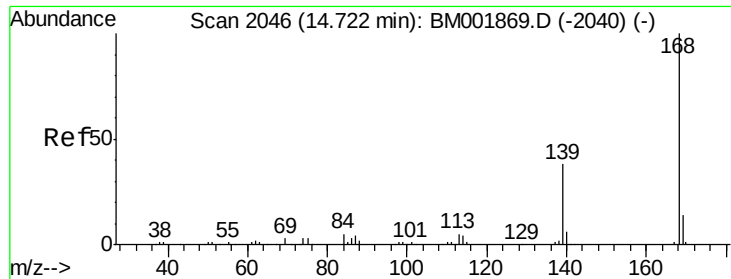
Delta R.T. -0.00 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

Tgt Ion:152	Resp:	299828
Ion Ratio	Lower	Upper
152	100	
151	19.5	15.9 23.9
153	13.3	10.0 15.0





#53

Dibenzenofuran

Concen: 1.45 ng/ul

RT: 14.72 min Scan# 2046

Delta R.T. -0.00 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

Instrument :

BNA_M

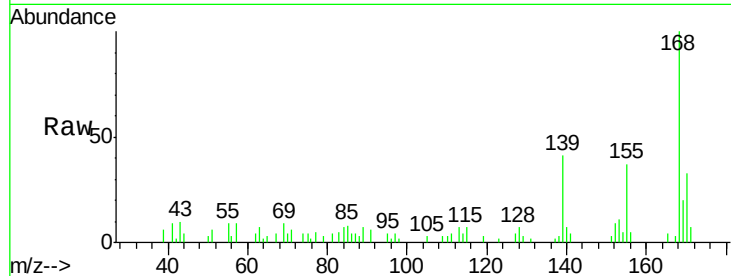
ClientSampleId :

Tot Ion:168 Resp: 24362

Ion Ratio Lower Upper

168 100

139 41.0 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.72

15000

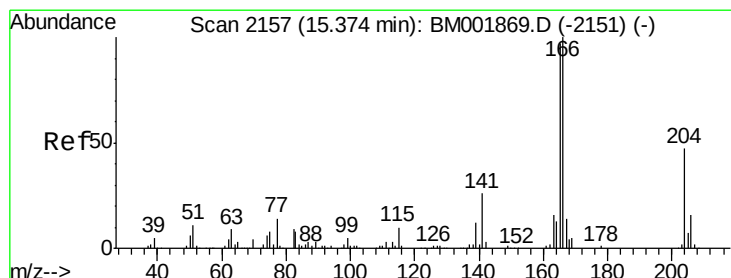
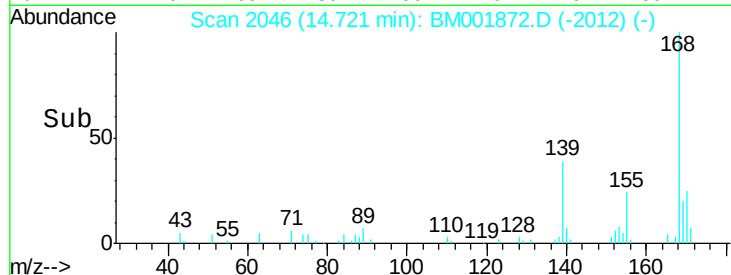
10000

5000

0

Time-->

14.65 14.70 14.75



#58

Fluorene

Concen: 1.98 ng/ul

RT: 15.37 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

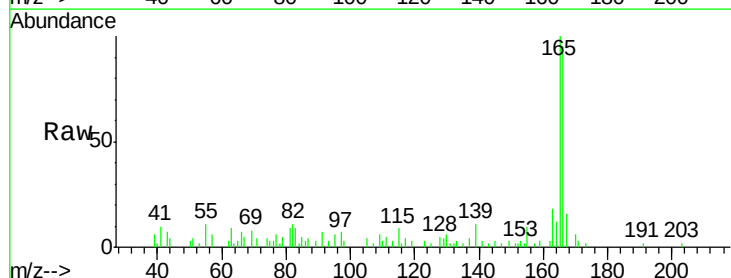
Tgt Ion:166 Resp: 27755

Ion Ratio Lower Upper

166 100

165 105.3 77.4 116.2

167 16.5 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

15.37

20000

15000

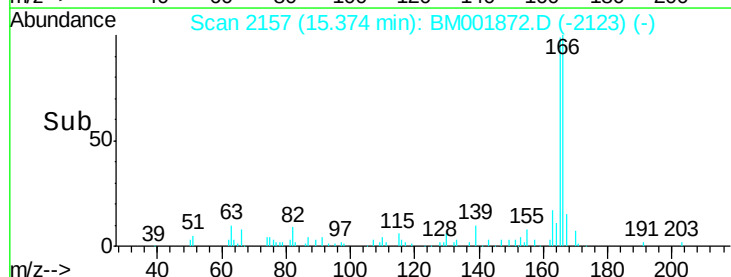
10000

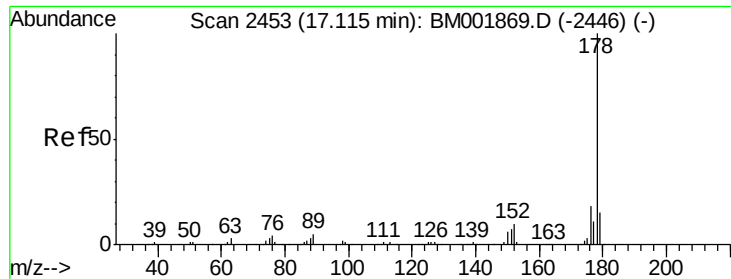
5000

0

Time-->

15.35 15.40 15.45





#69

Phenanthrene

Concen: 20.62 ng/ul

RT: 17.11 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

Instrument :

BNA_M

ClientSampleId :

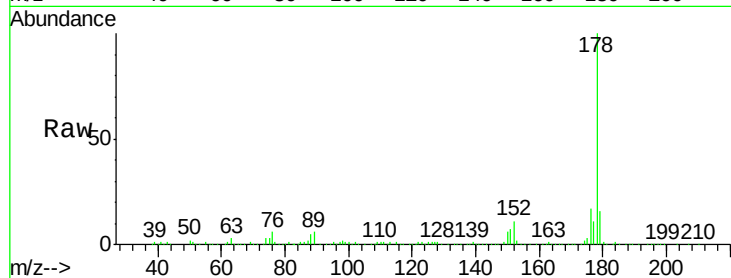
Tot Ion:178 Resp: 392767

Ion Ratio Lower Upper

178 100

179 15.7 11.9 17.9

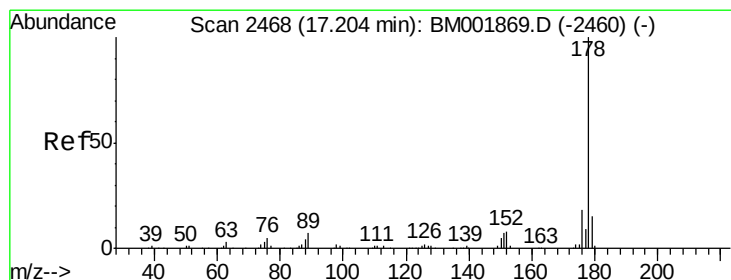
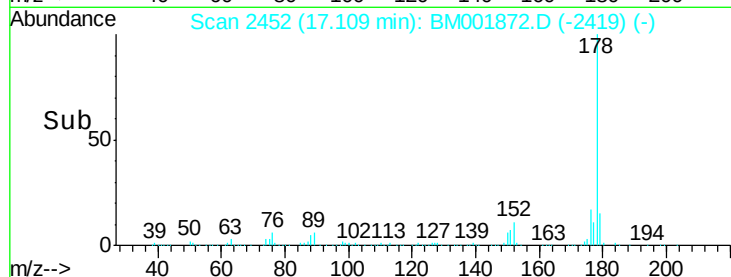
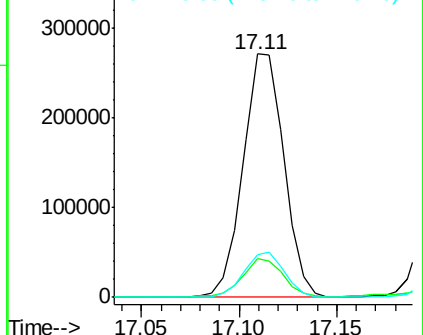
176 17.4 15.2 22.8



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: 8.35 ng/ul

RT: 17.20 min Scan# 2468

Delta R.T. -0.00 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

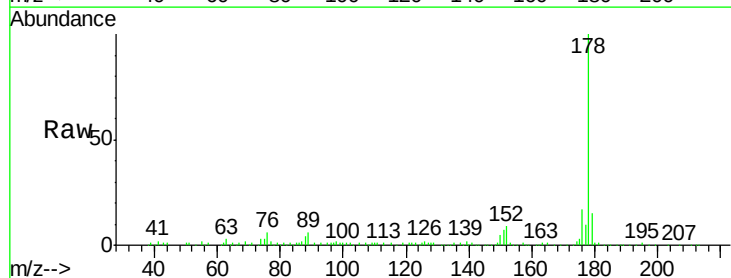
Tgt Ion:178 Resp: 163263

Ion Ratio Lower Upper

178 100

179 15.3 11.8 17.8

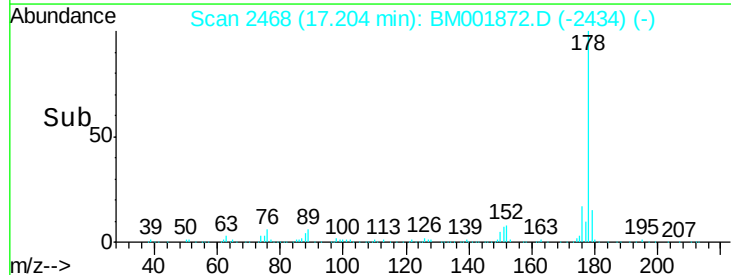
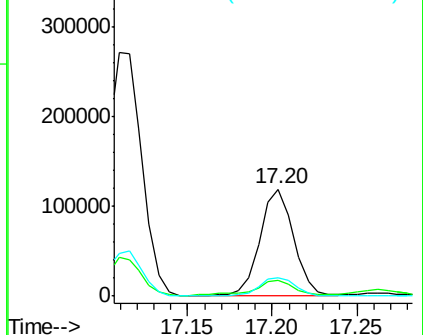
176 17.5 14.4 21.6

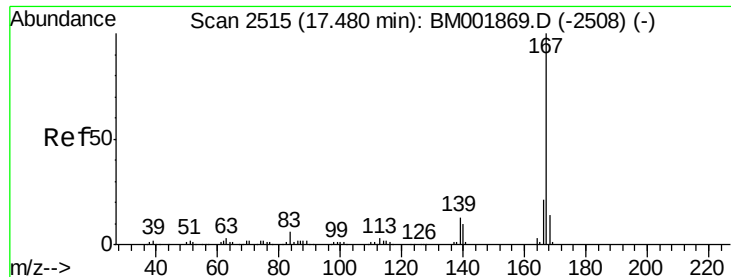


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.11 ng/ul

RT: 17.47 min Scan# 2514

Delta R.T. -0.01 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

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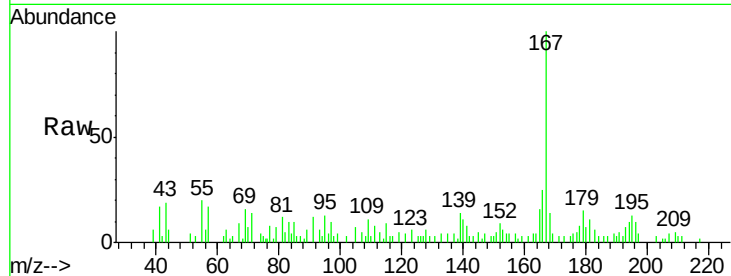
Tot Ion:167 Resp: 19068

Ion Ratio Lower Upper

167 100

166 24.6 17.4 26.2

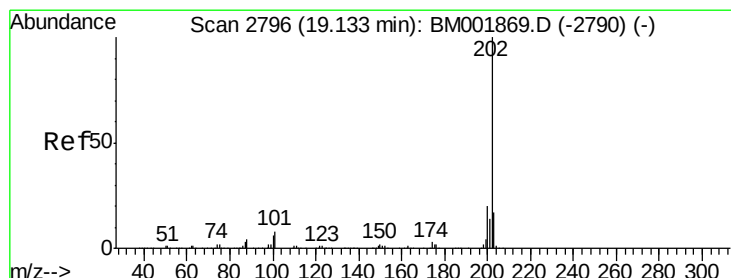
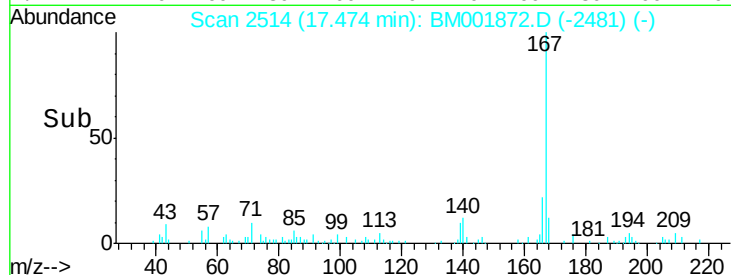
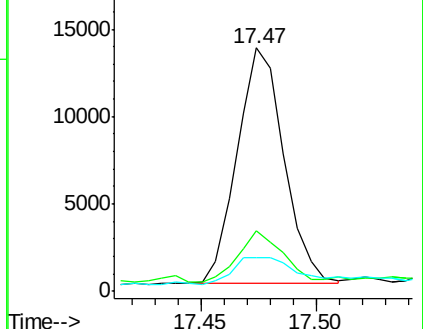
139 13.8 10.1 15.1



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: 37.88 ng/ul

RT: 19.13 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

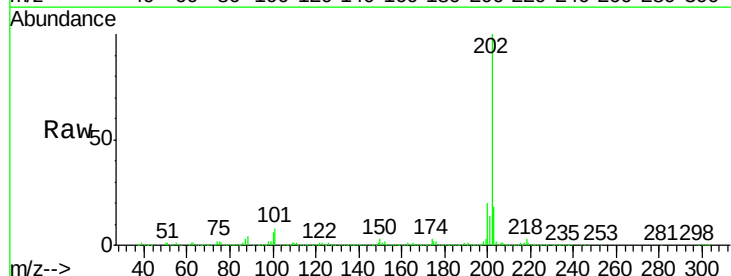
Tgt Ion:202 Resp: 862917

Ion Ratio Lower Upper

202 100

101 7.7 6.1 9.1

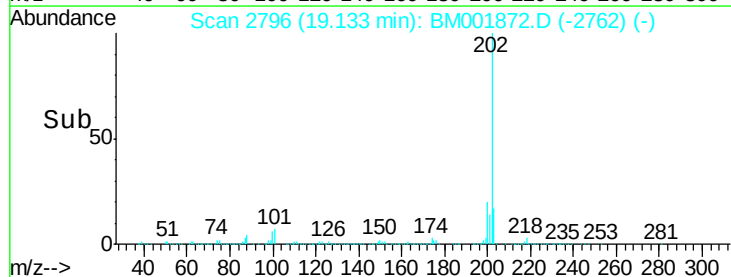
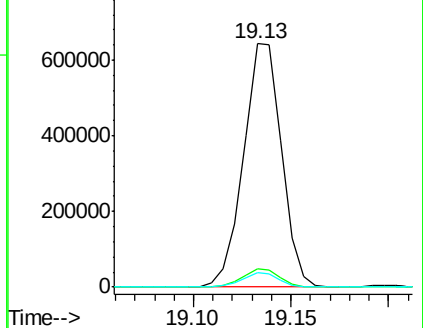
100 5.8 4.8 7.2

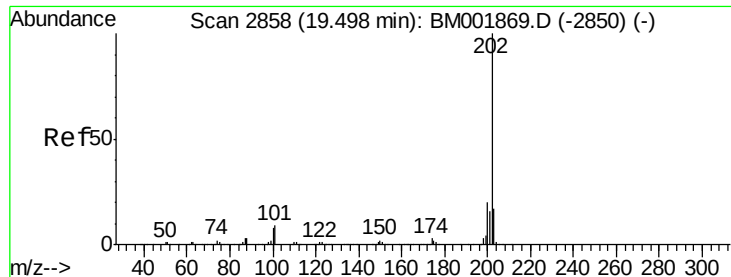


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 61.50 ng/ul

RT: 19.50 min Scan# 2859

Delta R.T. 0.01 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

Instrument :

BNA_M

ClientSampleId :

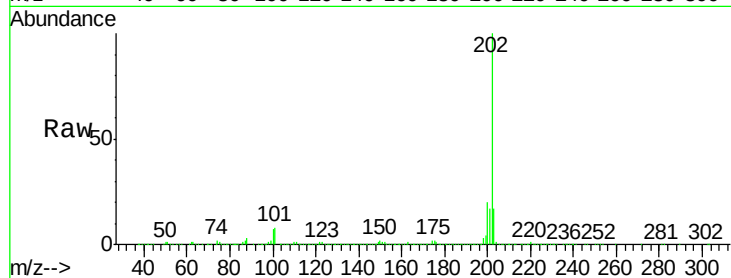
Tot Ion:202 Resp: 1299539

Ion Ratio Lower Upper

202 100

101 8.5 6.9 10.3

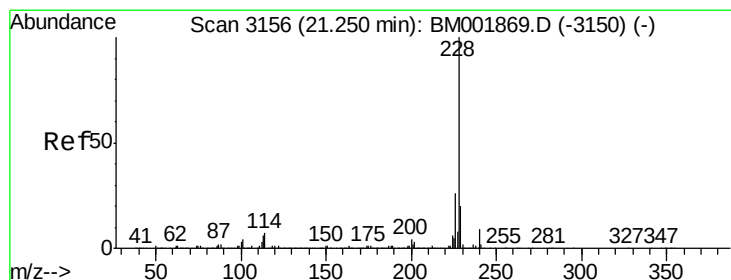
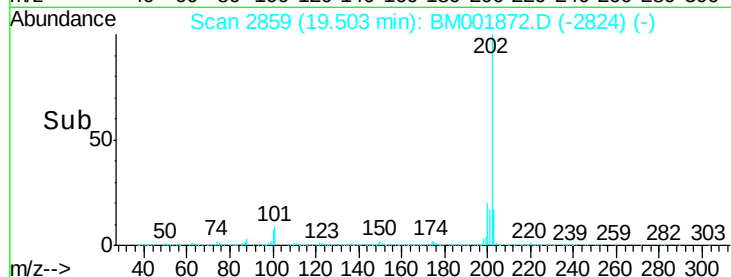
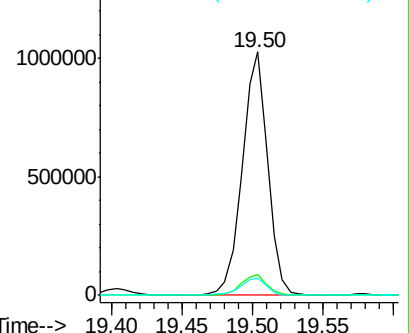
100 7.1 6.2 9.2



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: 31.36 ng/ul

RT: 21.25 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

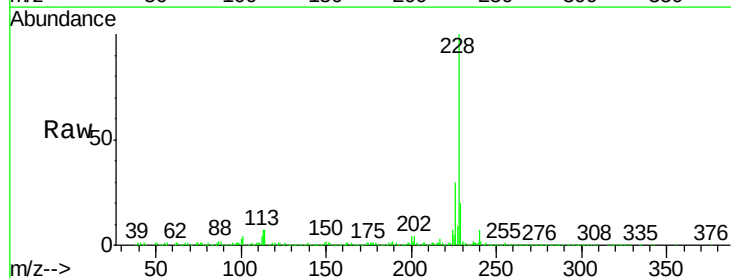
Tgt Ion:228 Resp: 697766

Ion Ratio Lower Upper

228 100

229 20.5 15.4 23.0

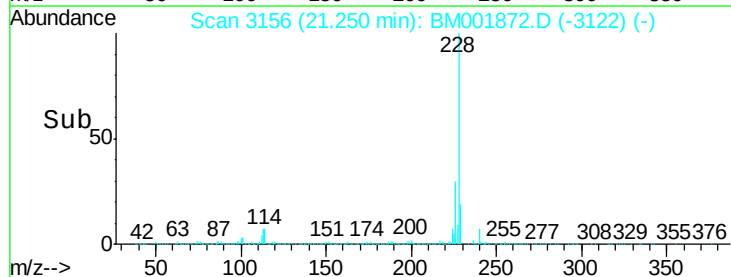
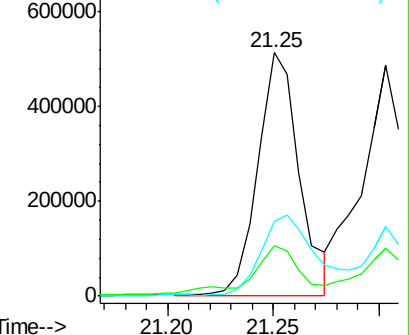
226 30.5 20.6 30.8

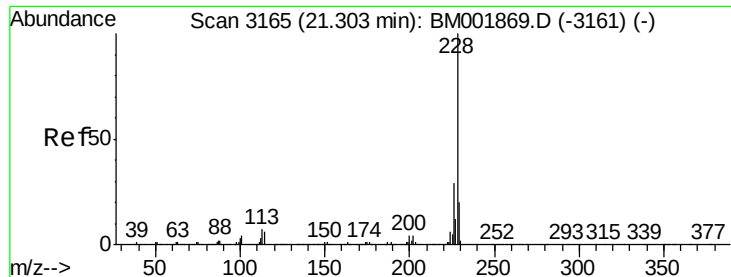


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 31.95 ng/ul

RT: 21.30 min Scan# 3165

Delta R.T. -0.00 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

Instrument :

BNA_M

ClientSampleId :

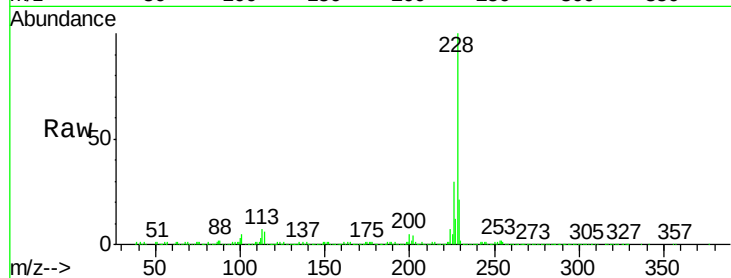
Tot Ion:228 Resp: 673852

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.0	34.4
229	20.9	15.4	23.2

228 100

226 29.9 23.0 34.4

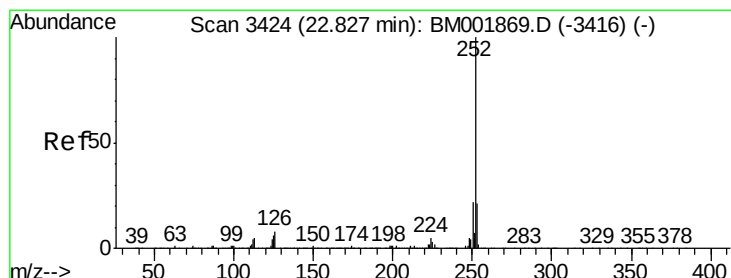
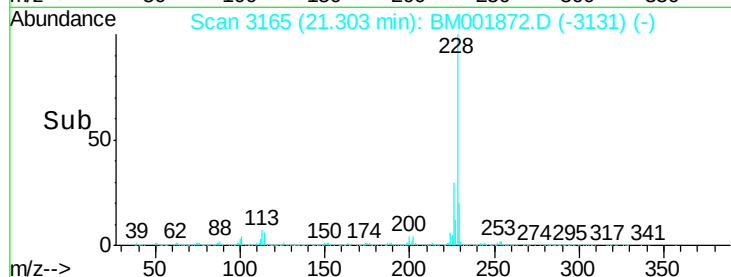
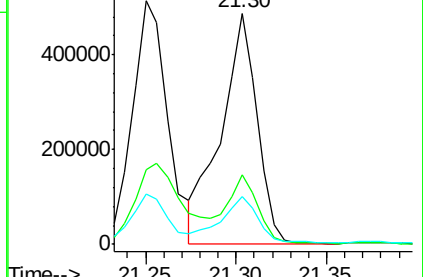
229 20.9 15.4 23.2



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: 50.67 ng/ul

RT: 22.83 min Scan# 3425

Delta R.T. 0.01 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

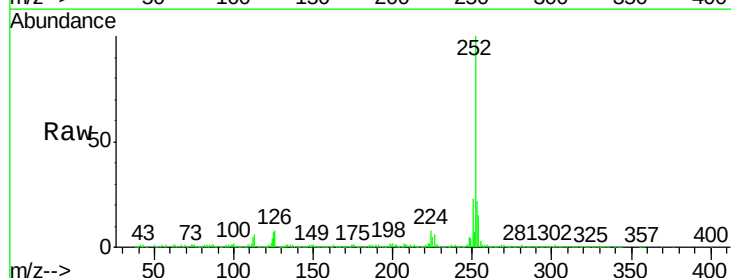
Tgt Ion:252 Resp: 1169864

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	7.3	5.3	7.9

252 100

253 21.9 17.8 26.6

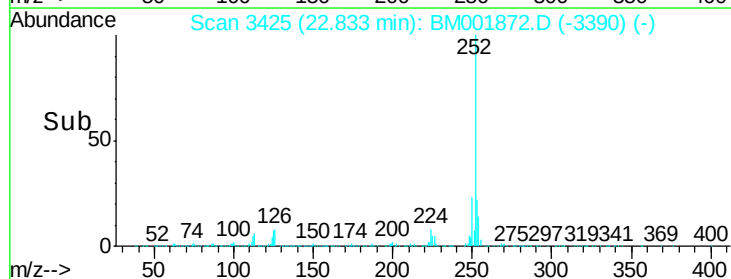
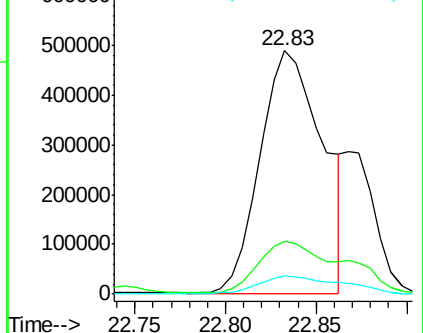
125 7.3 5.3 7.9

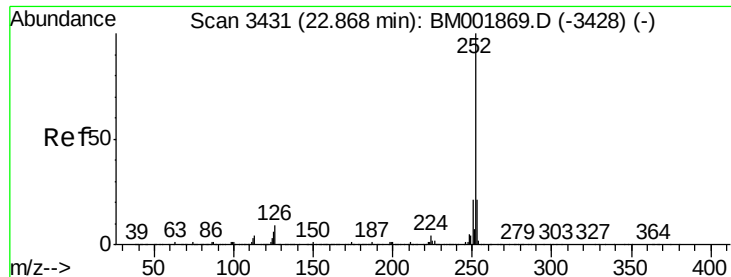


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

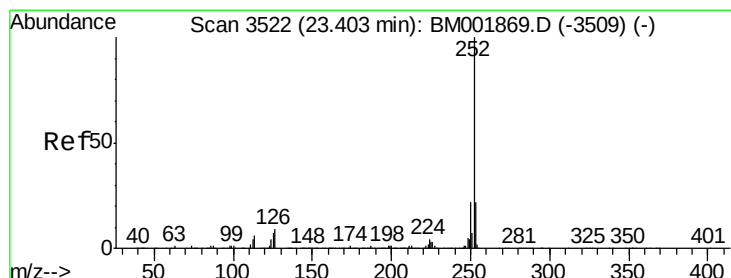
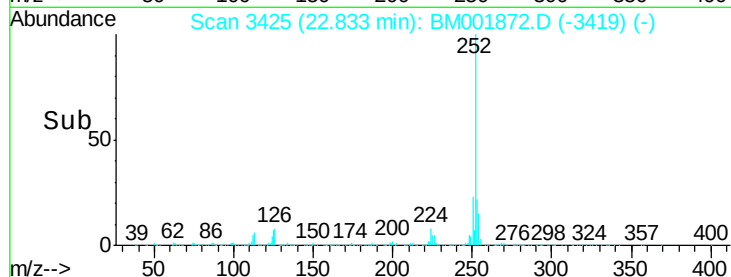
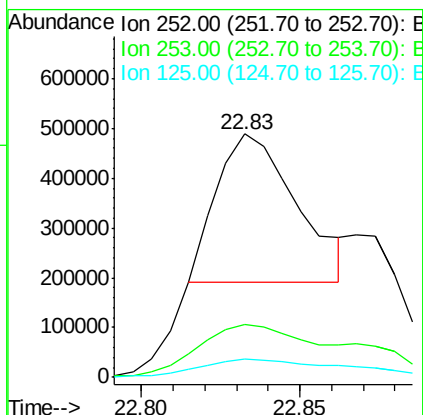
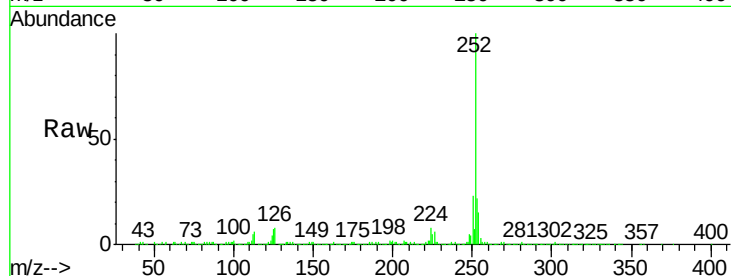




#88
Benzo(k)fluoranthene
Concen: 23.19 ng/ul
RT: 22.83 min Scan# 3425
Delta R.T. -0.04 min
Lab File: BM001872.D
Acq: 07 Jul 2015 20:21

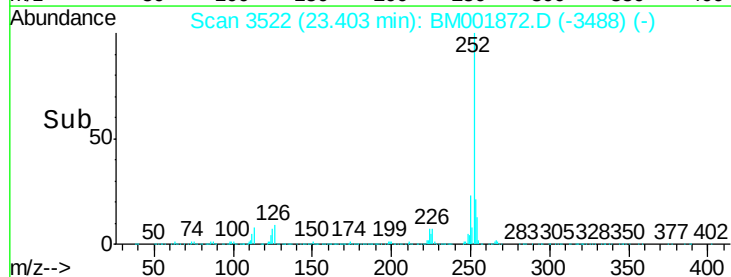
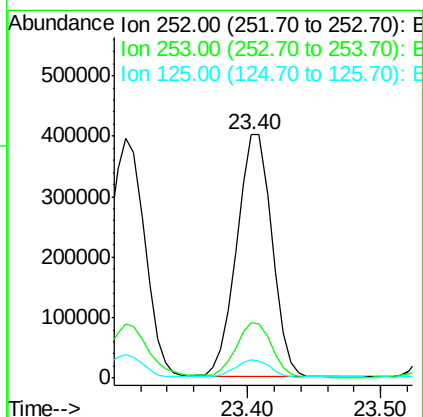
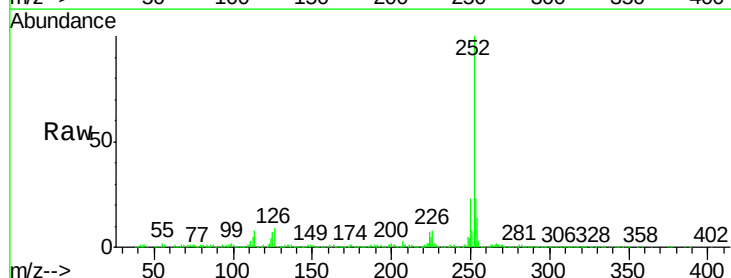
Instrument :
BNA_M
ClientSampleId :

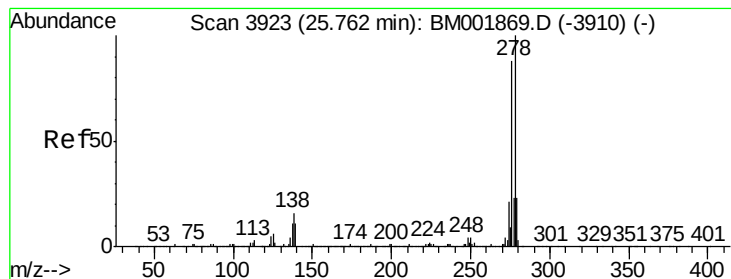
Tot Ion:252 Resp: 517309
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 7.3 5.3 7.9



#90
Benzo(a)pyrene
Concen: 32.71 ng/ul
RT: 23.40 min Scan# 3522
Delta R.T. -0.00 min
Lab File: BM001872.D
Acq: 07 Jul 2015 20:21

Tgt Ion:252 Resp: 734608
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 7.3 6.0 9.0





#92

Dibenzo(a,h)anthracene

Concen: 8.47 ng/ul

RT: 25.76 min Scan# 3923

Delta R.T. -0.00 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

Instrument :

BNA_M

ClientSampleId :

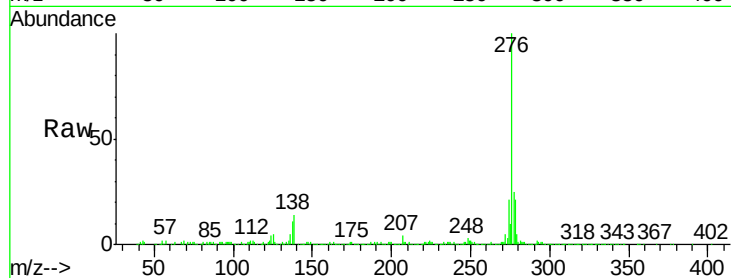
Tot Ion:278 Resp: 190311

Ion Ratio Lower Upper

278 100

139 0.0 9.2 13.8#

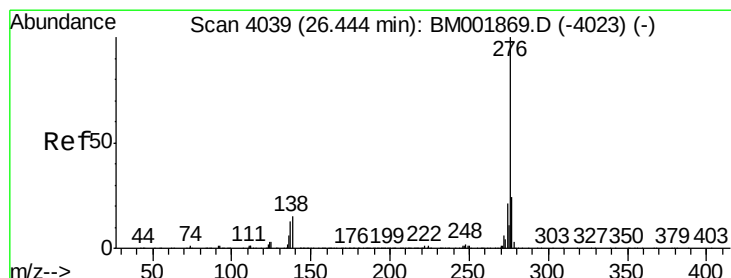
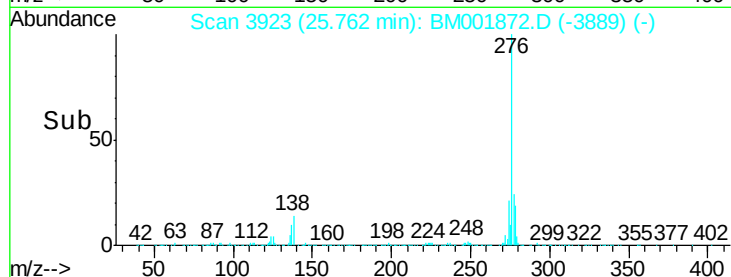
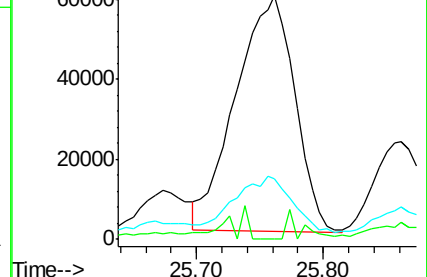
279 24.7 19.1 28.7



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: 35.98 ng/ul

RT: 26.46 min Scan# 4041

Delta R.T. 0.01 min

Lab File: BM001872.D

Acq: 07 Jul 2015 20:21

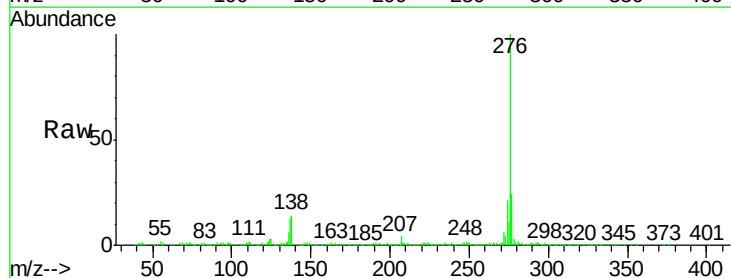
Tgt Ion:276 Resp: 805674

Ion Ratio Lower Upper

276 100

138 14.1 12.6 19.0

277 24.3 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

