

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042915\
 Data File : BM001136.D
 Acq On : 28 Apr 2015 19:57
 Operator : TP/IZ
 Sample : G1998-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1Q42

Quant Time: Apr 29 05:19:21 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 29 05:05:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	157318	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	658623	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.20	164	377010	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	844621	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	955363	20.00	ng/ul	0.00
83) Perylene-d12	23.32	264	944060	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.99	96	15109	4.35	ng/uL	0.00
5) Phenol-d5	6.72	99	355111	27.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.88	67	219748	26.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	279755	27.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	285313	27.06	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	128972	28.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.42	143	143704	29.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	294495	30.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	338821	30.07	ng/ul	0.00
43) Dimethylphthalate-d6	13.62	166	951755	36.51	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	1149747	31.20	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	161648	29.48	ng/ul	0.00
57) Fluorene-d10	15.20	176	888601	34.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	129150	25.52	ng/ul	0.00
70) Anthracene-d10	17.06	188	1491422	38.11	ng/ul	0.00
76) Pyrene-d10	19.36	212	1711806	40.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	1678429	39.21	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.75	94	511203	36.58	ng/ul	99
20) Nitrobenzene	8.73	77	433201	34.77	ng/ul	98
21) Isophorone	9.26	82	1002988	46.85	ng/ul	99
27) 2,4-Dichlorophenol	9.98	162	643311	67.18	ng/ul	99
28) Naphthalene	10.37	128	1736186	49.98	ng/ul	100
32) Caprolactam	11.23	113	11067	3.69	ng/ul	93
38) 2,4,6-Trichlorophenol	12.63	196	458104	65.54	ng/ul	99
39) 2,4,5-Trichlorophenol	12.63	196	458104	58.45	ng/ul	96
41) 2-Chloronaphthalene	13.07	162	1308654	53.52	ng/ul	97
44) Dimethylphthalate	13.67	163	122061	4.12	ng/ul	99
56) Diethylphthalate	15.04	149	1902927	63.25	ng/ul	100
64) N-Nitrosodiphenylamine	15.47	169	897287	35.15	ng/ul	99
66) Hexachlorobenzene	16.27	284	349506	37.52	ng/ul	99
67) Atrazine	16.43	200	455815	51.00	ng/ul	98
69) Phenanthrene	17.00	178	2104710	43.52	ng/ul	100
71) Anthracene	17.00	178	2106473	42.77	ng/ul	99
72) Carbazole	17.37	167	3207264	70.03	ng/ul	98
78) Butylbenzylphthalate	20.30	149	1123928	52.76	ng/ul	100
80) Benzo(a)anthracene	21.20	228	2665223	46.90	ng/ul	96
82) Chrysene	21.20	228	2665223	49.36	ng/ul	100
84) Di-n-octyl phthalate	21.94	149	4340794	68.16	ng/ul	100
85) Benzo(b)fluoranthene	22.68	252	3567516	60.81	ng/ul	100
86) Benzo(k)fluoranthene	22.72	252	2443008	44.60	ng/ul	99

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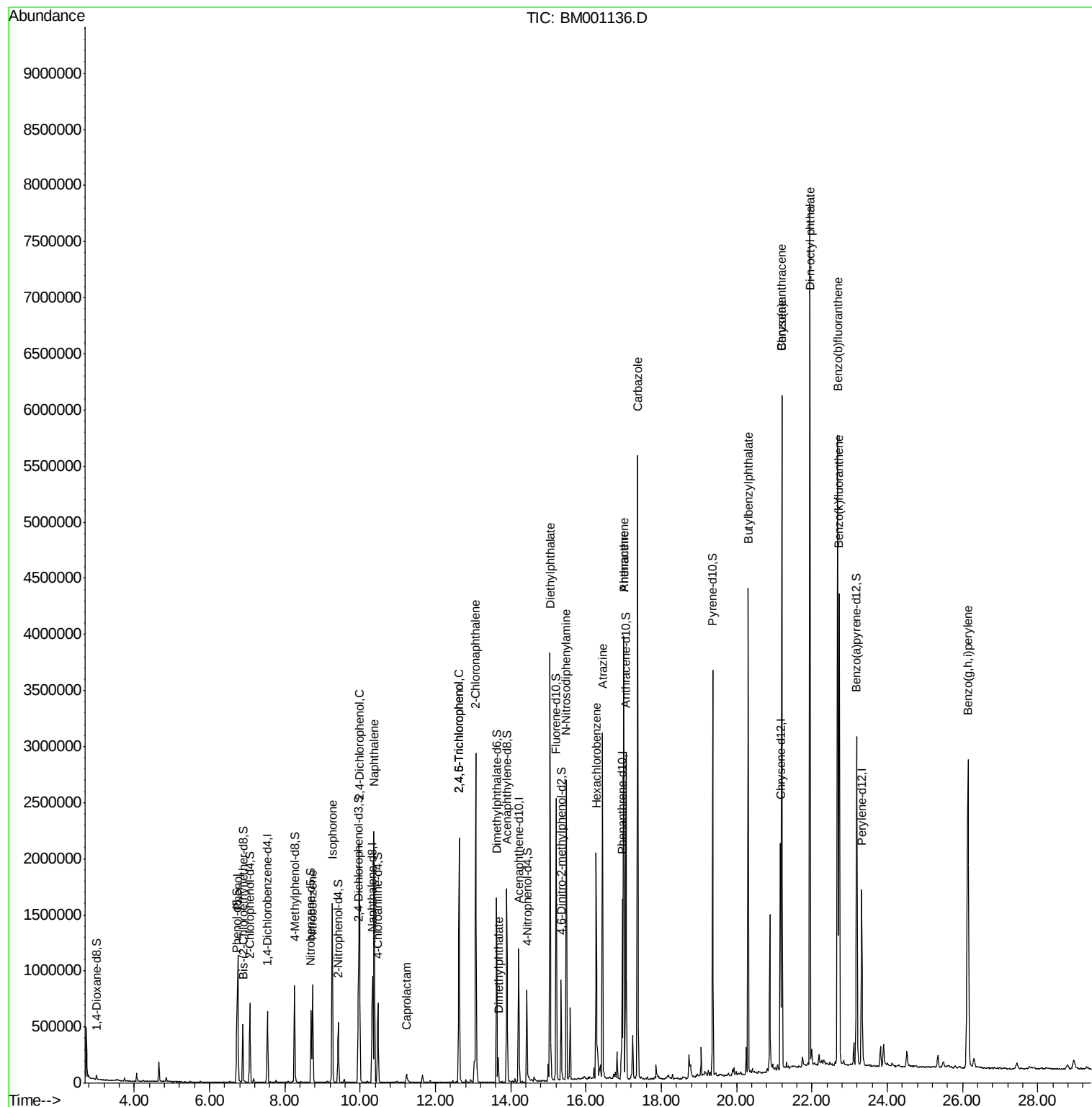
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	26.14	276	3108839	58.98	ng/ul	99

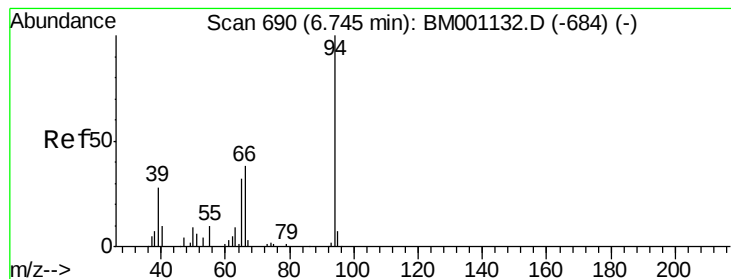
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 36.58 ng/ul

RT: 6.75 min Scan# 691

Delta R.T. 0.01 min

Lab File: BM001136.D

Acq: 28 Apr 2015 19:57

Instrument :

BNA_M

ClientSampleId :

X1Q42

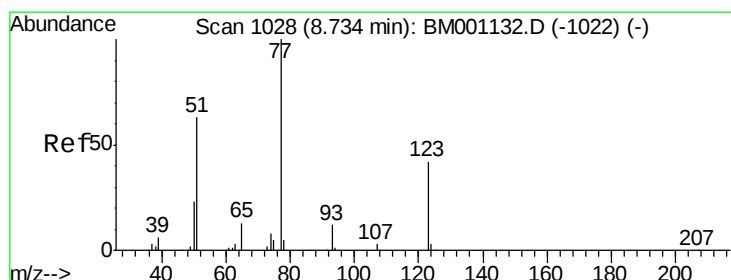
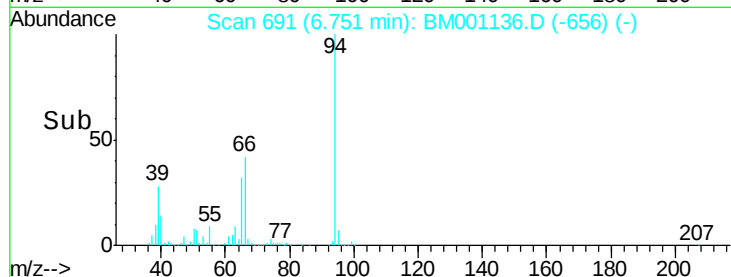
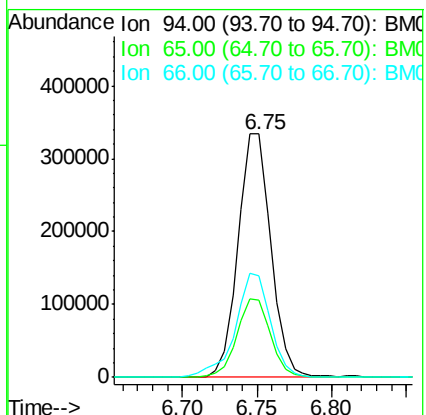
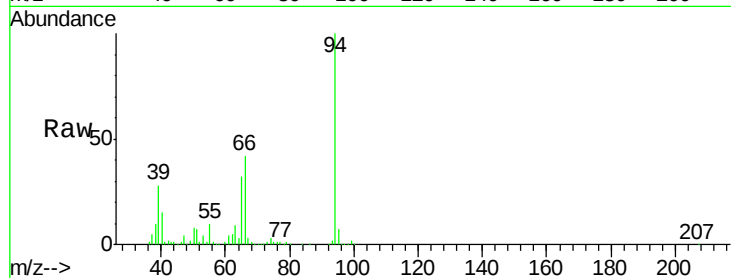
Tgt Ion: 94 Resp: 511203

Ion Ratio Lower Upper

94 100

65 32.0 25.8 38.8

66 41.7 32.3 48.5



#20

Nitrobenzene

Concen: 34.77 ng/ul

RT: 8.73 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BM001136.D

Acq: 28 Apr 2015 19:57

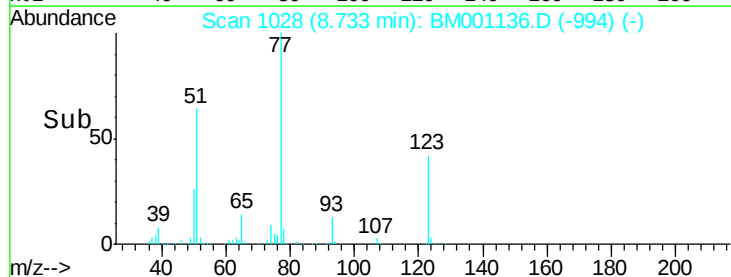
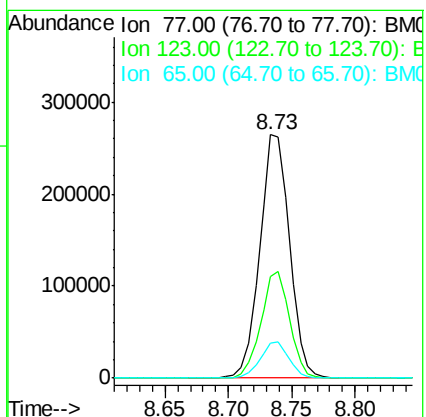
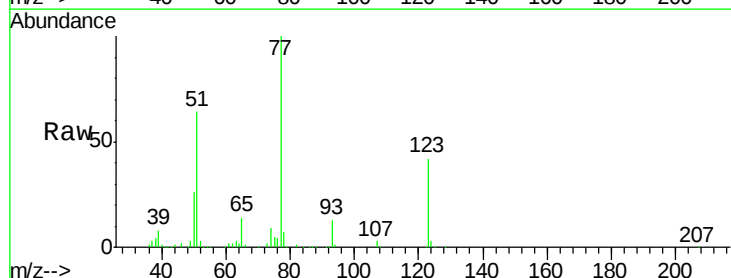
Tgt Ion: 77 Resp: 433201

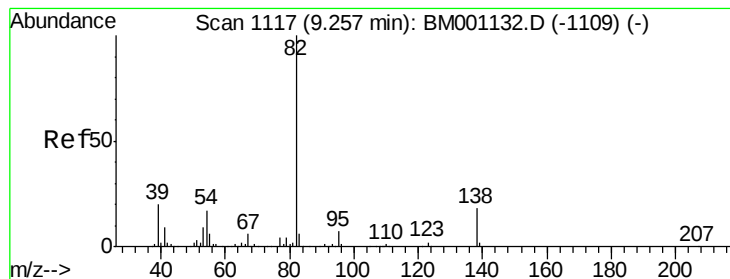
Ion Ratio Lower Upper

77 100

123 41.9 32.3 48.5

65 14.2 11.0 16.6





#21

Isophorone

Concen: 46.85 ng/ul

RT: 9.26 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BM001136.D

Acq: 28 Apr 2015 19:57

Instrument :

BNA_M

ClientSampleId :

X1Q42

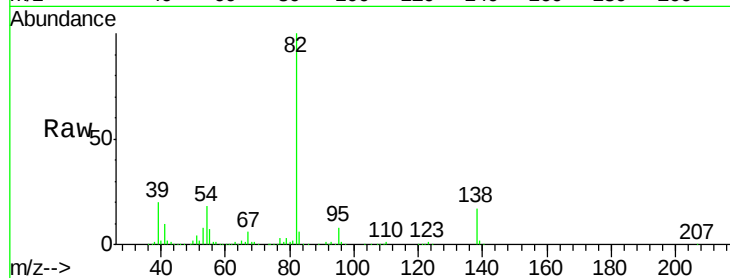
Tgt Ion: 82 Resp: 1002988

Ion Ratio Lower Upper

82 100

95 7.8 5.7 8.5

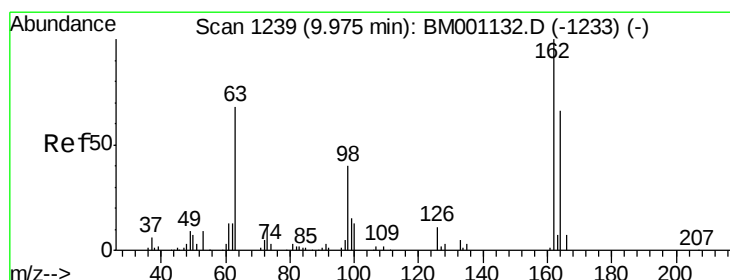
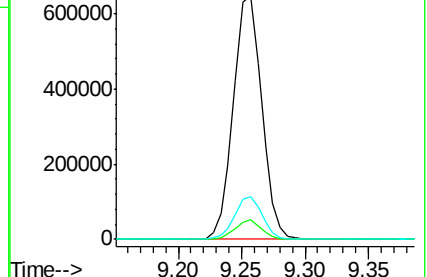
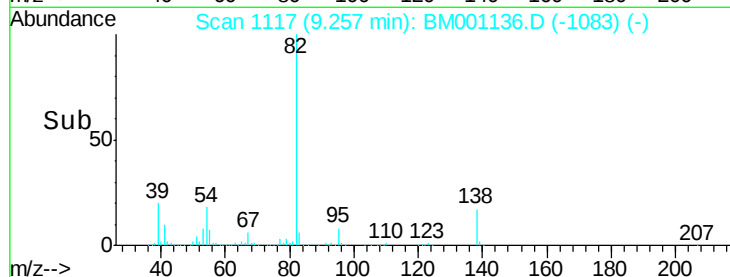
138 17.3 13.7 20.5



Abundance Ion 82.00 (81.70 to 82.70): BM001136.D (-1083) (-)

Ion 95.00 (94.70 to 95.70): BM001136.D (-1083) (-)

Ion 138.00 (137.70 to 138.70): BM001136.D (-1083) (-)



#27

2,4-Dichlorophenol

Concen: 67.18 ng/ul

RT: 9.98 min Scan# 1240

Delta R.T. 0.01 min

Lab File: BM001136.D

Acq: 28 Apr 2015 19:57

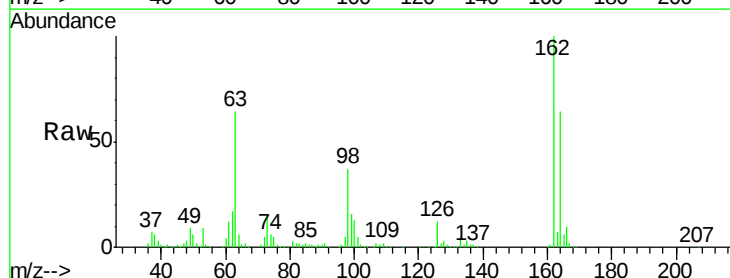
Tgt Ion: 162 Resp: 643311

Ion Ratio Lower Upper

162 100

164 64.4 51.3 76.9

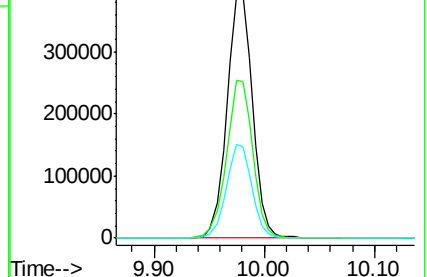
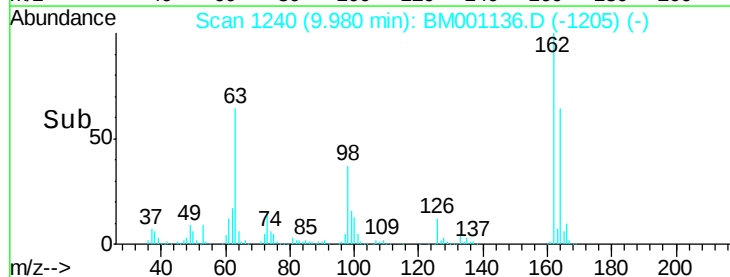
98 37.4 30.8 46.2

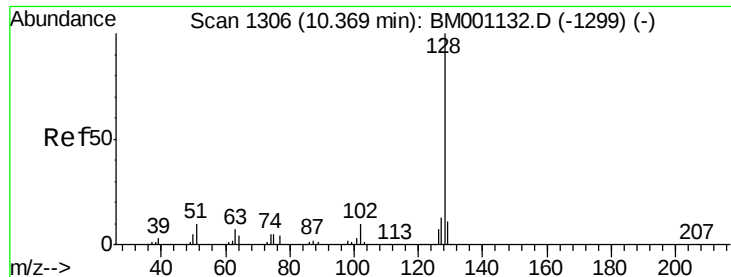


Abundance Ion 162.00 (161.70 to 162.70): BM001136.D (-1205) (-)

Ion 164.00 (163.70 to 164.70): BM001136.D (-1205) (-)

Ion 98.00 (97.70 to 98.70): BM001136.D (-1205) (-)

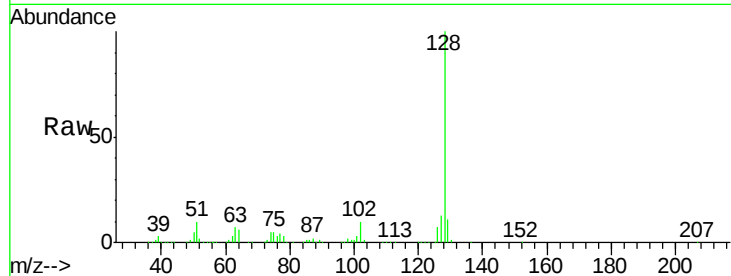




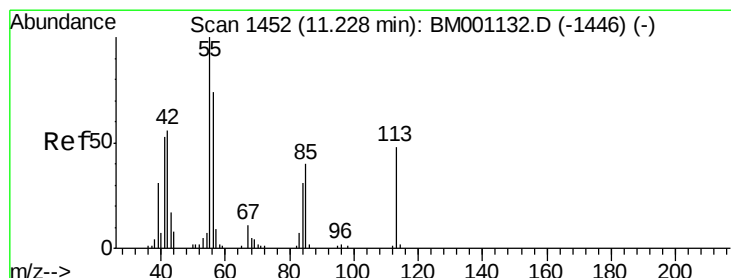
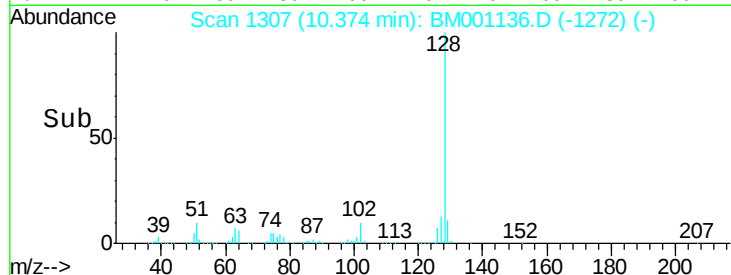
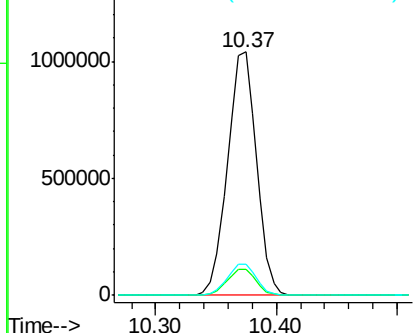
#28
Naphthalene
Concen: 49.98 ng/ul
RT: 10.37 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BM001136.D
Acq: 28 Apr 2015 19:57

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Tgt Ion:128 Resp: 1736186
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 12.8 10.3 15.5

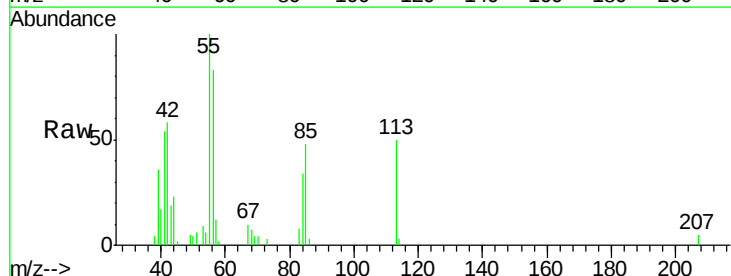


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

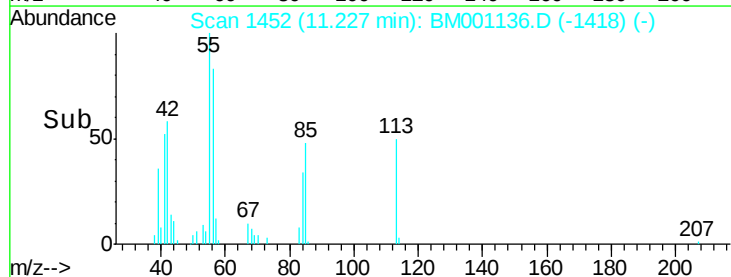
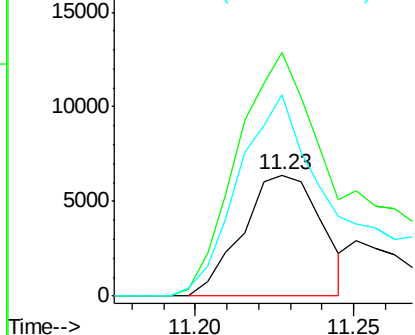


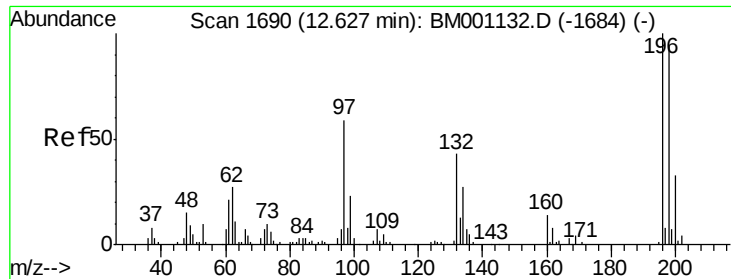
#32
Caprolactam
Concen: 3.69 ng/ul
RT: 11.23 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BM001136.D
Acq: 28 Apr 2015 19:57

Tgt Ion:113 Resp: 11067
Ion Ratio Lower Upper
113 100
55 201.1 164.8 247.2
56 166.0 119.5 179.3



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BM0
Ion 56.00 (55.70 to 56.70): BM0

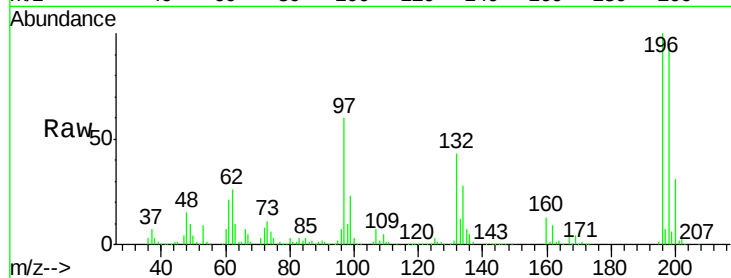




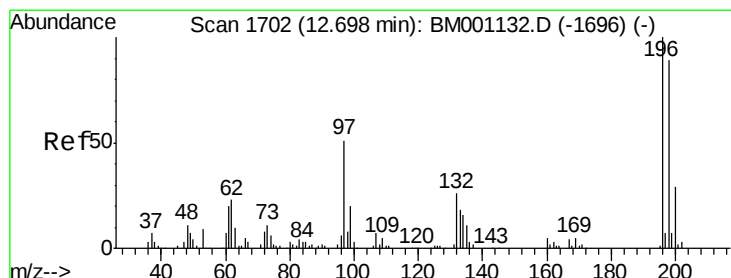
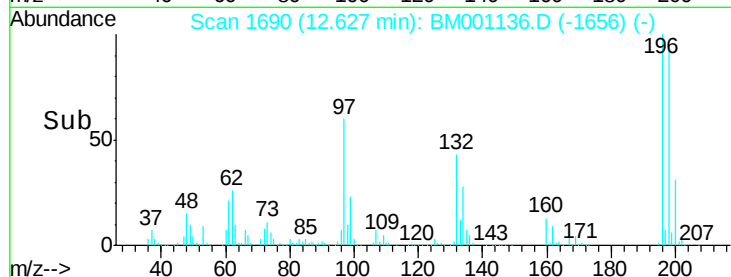
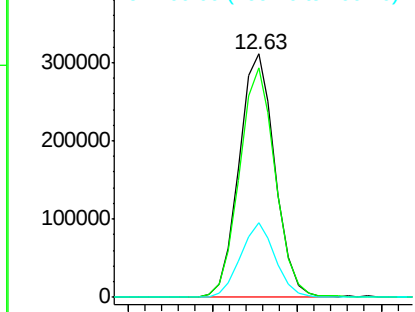
#38
 2,4,6-Trichlorophenol
 Concen: 65.54 ng/ul
 RT: 12.63 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: BM001136.D
 Acq: 28 Apr 2015 19:57

Instrument :
 BNA_M
 ClientSampleId :
 X1Q42

Tgt Ion:196 Resp: 458104
 Ion Ratio Lower Upper
 196 100
 198 94.3 75.4 113.0
 200 30.8 25.8 38.6

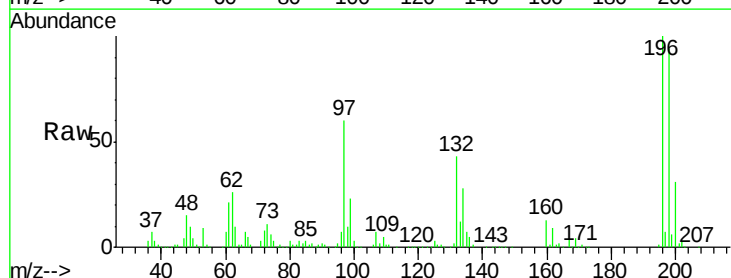


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

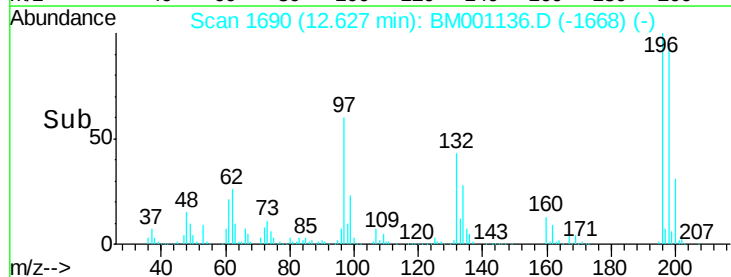
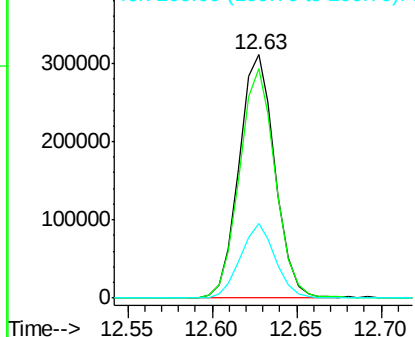


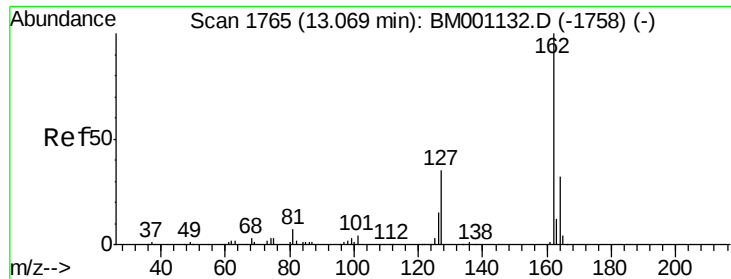
#39
 2,4,5-Trichlorophenol
 Concen: 58.45 ng/ul
 RT: 12.63 min Scan# 1690
 Delta R.T. -0.07 min
 Lab File: BM001136.D
 Acq: 28 Apr 2015 19:57

Tgt Ion:196 Resp: 458104
 Ion Ratio Lower Upper
 196 100
 198 94.3 79.2 118.8
 200 30.8 23.9 35.9



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

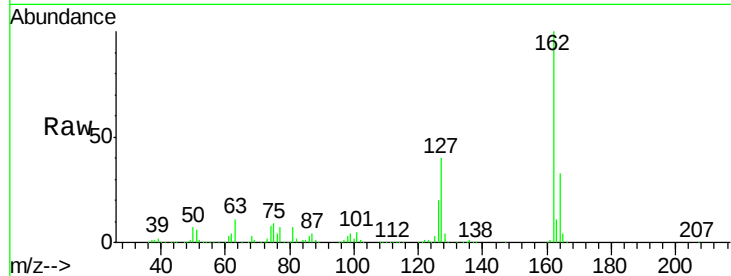




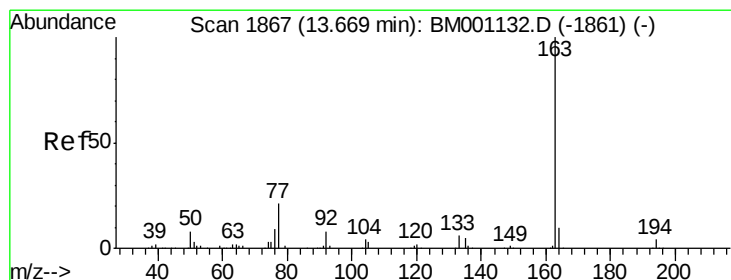
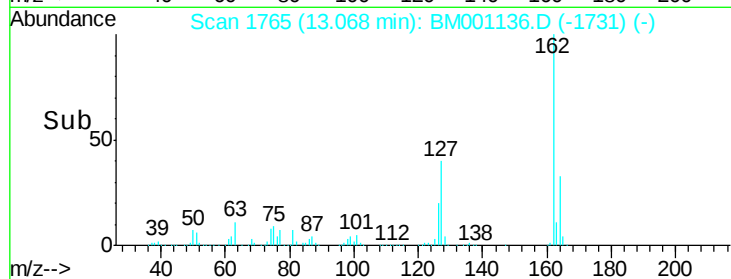
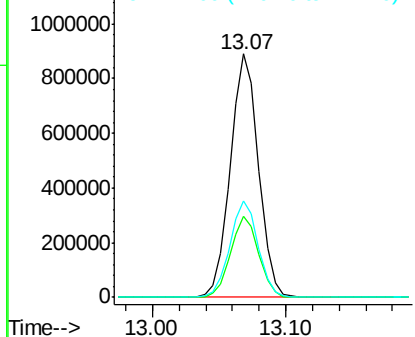
#41
2-Chloronaphthalene
Concen: 53.52 ng/ul
RT: 13.07 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BM001136.D
Acq: 28 Apr 2015 19:57

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Tgt Ion:162 Resp: 1308654
Ion Ratio Lower Upper
162 100
164 33.3 25.4 38.2
127 39.6 30.5 45.7

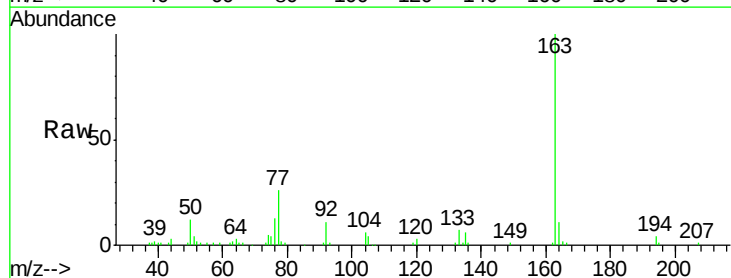


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 127.00 (126.70 to 127.70): E

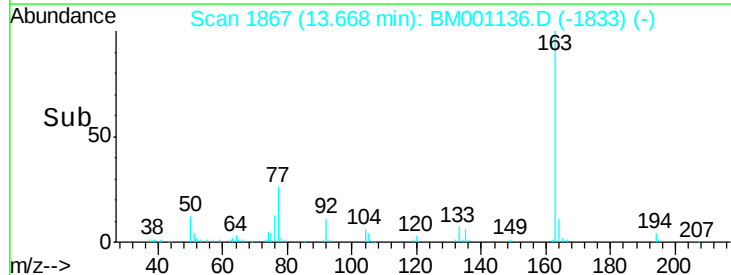
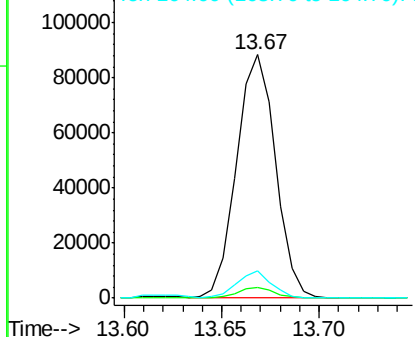


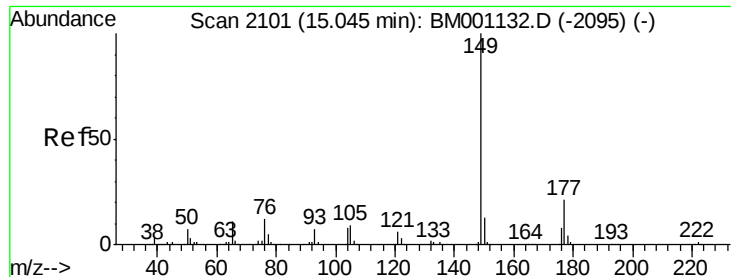
#44
Dimethylphthalate
Concen: 4.12 ng/ul
RT: 13.67 min Scan# 1867
Delta R.T. -0.00 min
Lab File: BM001136.D
Acq: 28 Apr 2015 19:57

Tgt Ion:163 Resp: 122061
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.0
164 11.2 8.4 12.6



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





#56

Diethylphthalate

Concen: 63.25 ng/ul

RT: 15.04 min Scan# 2101

Delta R.T. -0.00 min

Lab File: BM001136.D

Acq: 28 Apr 2015 19:57

Instrument :

BNA_M

ClientSampleId :

X1Q42

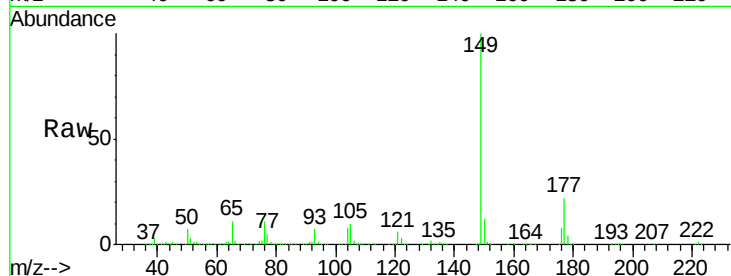
Tgt Ion:149 Resp: 1902927

Ion Ratio Lower Upper

149 100

177 21.5 17.4 26.2

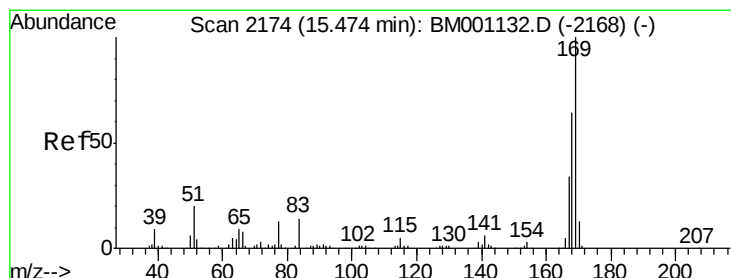
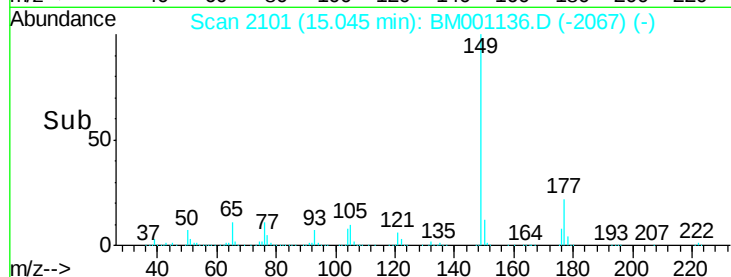
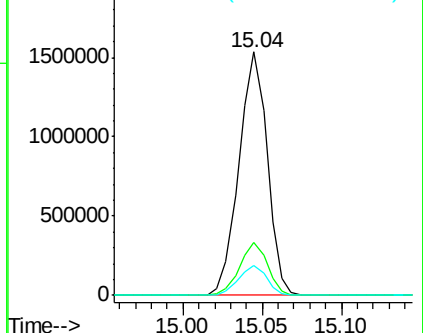
150 12.2 9.8 14.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#64

N-Nitrosodiphenylamine

Concen: 35.15 ng/ul

RT: 15.47 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BM001136.D

Acq: 28 Apr 2015 19:57

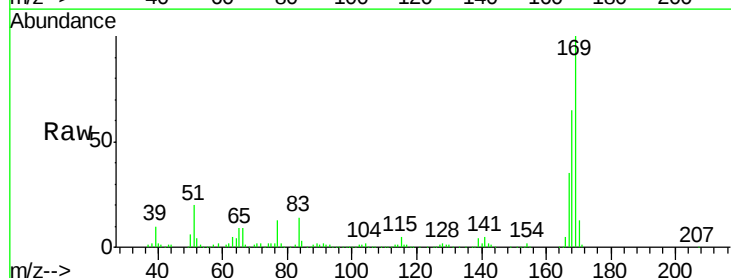
Tgt Ion:169 Resp: 897287

Ion Ratio Lower Upper

169 100

168 65.0 53.0 79.4

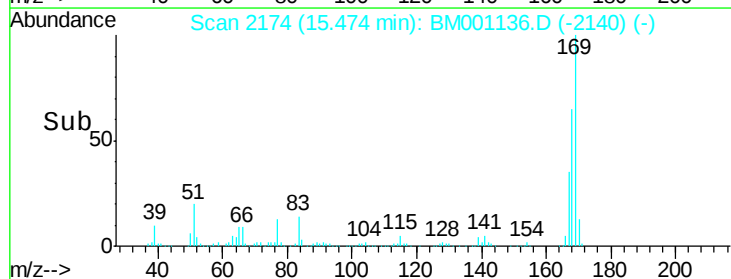
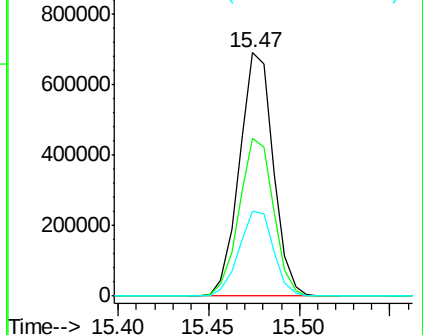
167 35.1 28.0 42.0

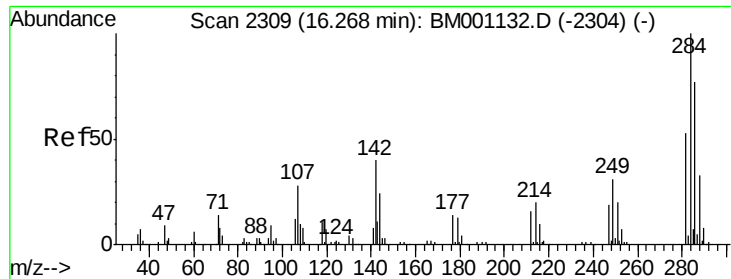


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

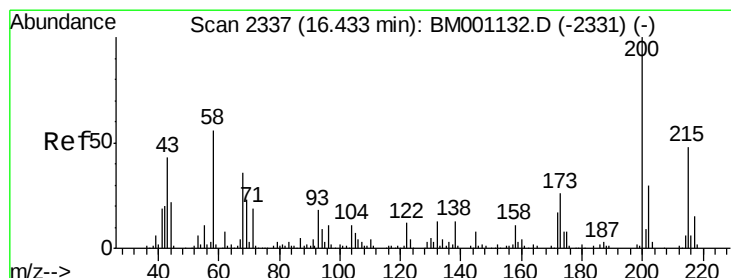
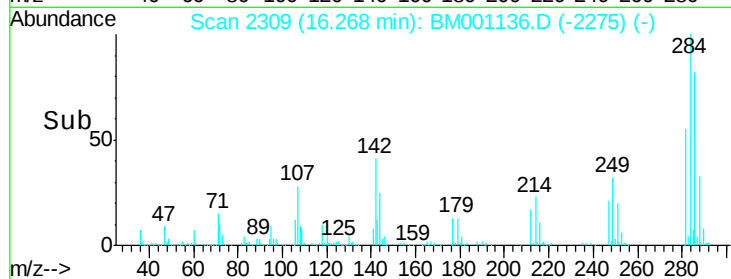
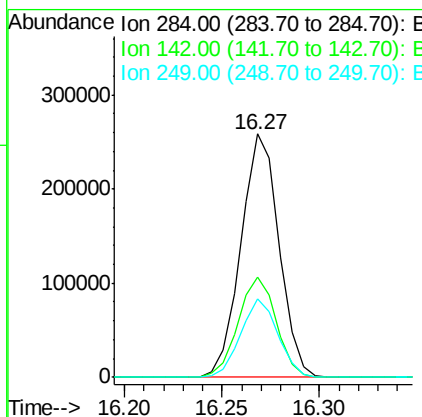
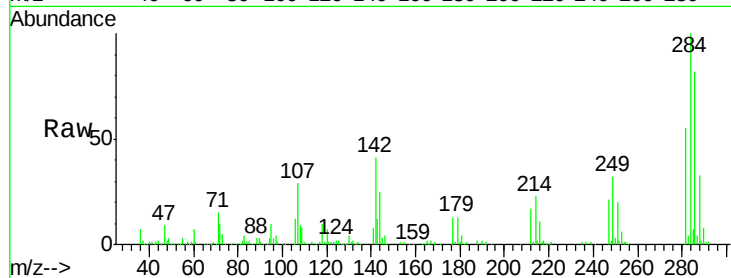




#66
Hexachlorobenzene
Concen: 37.52 ng/ul
RT: 16.27 min Scan# 2309
Delta R.T. -0.00 min
Lab File: BM001136.D
Acq: 28 Apr 2015 19:57

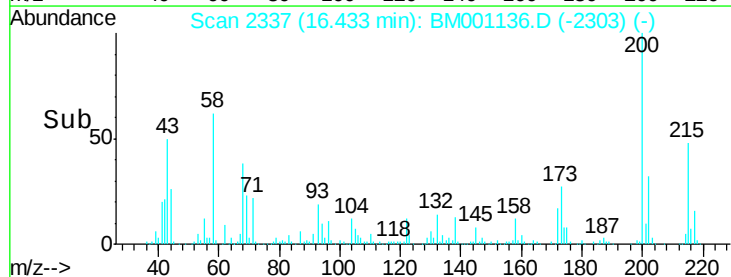
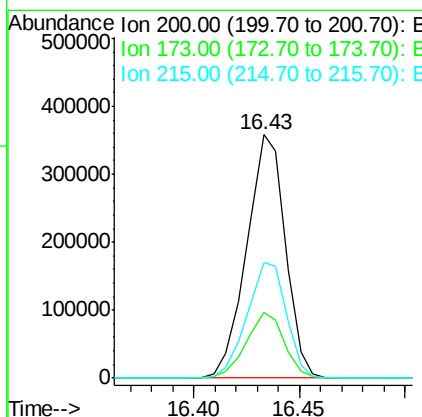
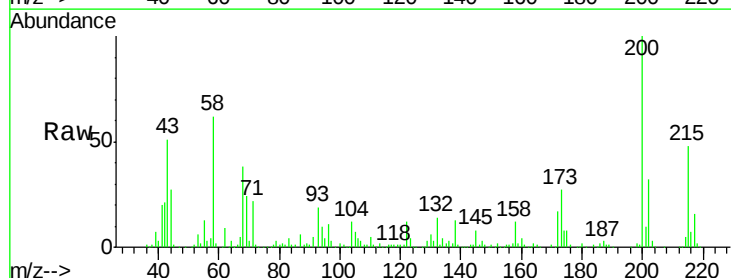
Instrument :
BNA_M
ClientSampleId :
X1Q42

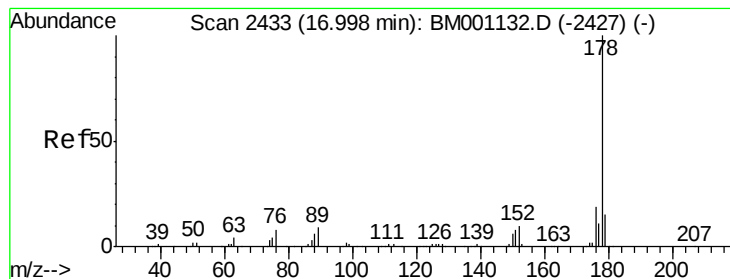
Tgt Ion: 284 Resp: 349506
Ion Ratio Lower Upper
284 100
142 41.4 32.4 48.6
249 32.0 25.8 38.8



#67
Atrazine
Concen: 51.00 ng/ul
RT: 16.43 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BM001136.D
Acq: 28 Apr 2015 19:57

Tgt Ion: 200 Resp: 455815
Ion Ratio Lower Upper
200 100
173 26.8 22.5 33.7
215 47.6 39.4 59.0





#69

Phenanthrene

Concen: 43.52 ng/ul

RT: 17.00 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BM001136.D

Acq: 28 Apr 2015 19:57

Instrument :

BNA_M

ClientSampleId :

X1Q42

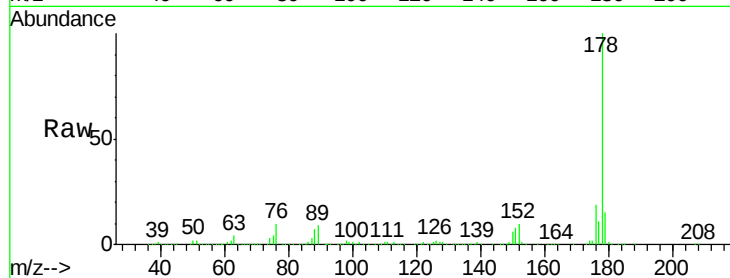
Tgt Ion:178 Resp: 2104710

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	19.0	15.0	22.4

178 100

179 15.3 12.3 18.5

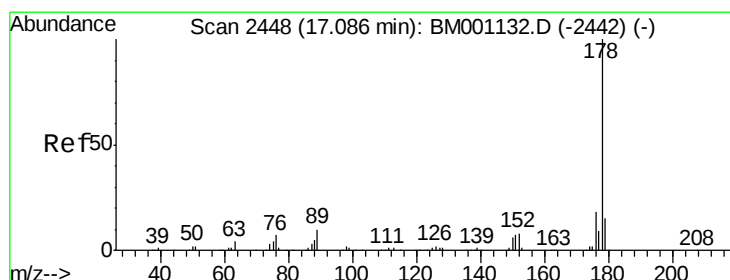
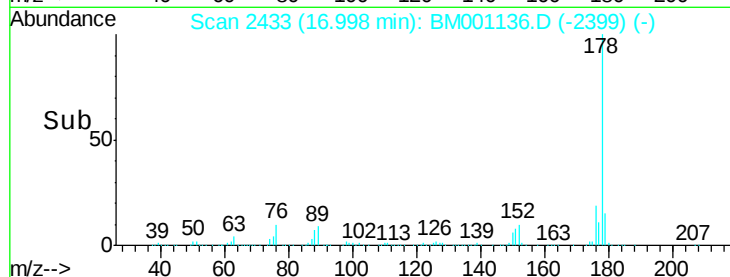
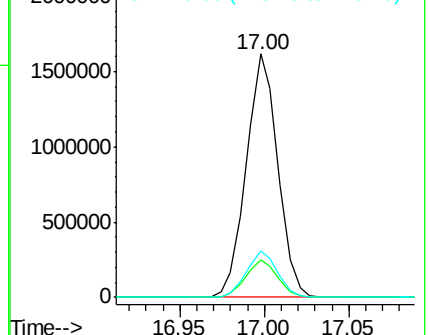
176 19.0 15.0 22.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 42.77 ng/ul

RT: 17.00 min Scan# 2433

Delta R.T. -0.09 min

Lab File: BM001136.D

Acq: 28 Apr 2015 19:57

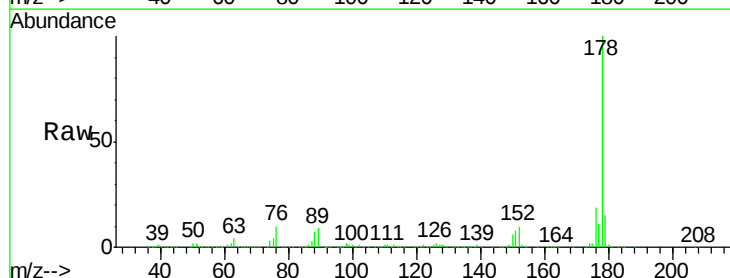
Tgt Ion:178 Resp: 2106473

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	19.0	14.3	21.5

178 100

179 15.3 12.2 18.4

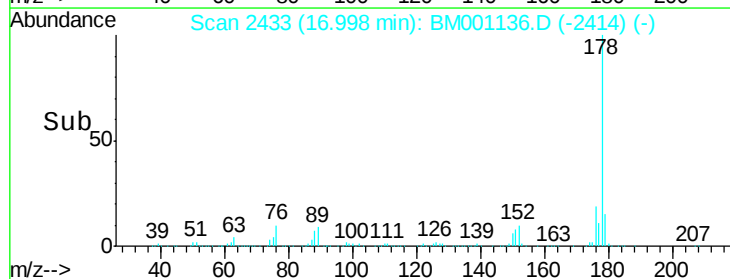
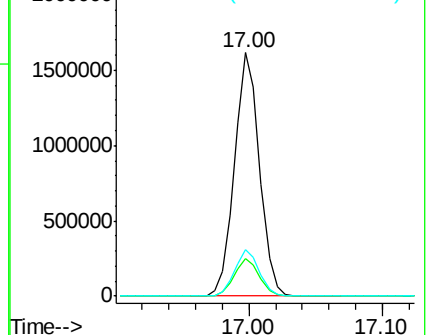
176 19.0 14.3 21.5

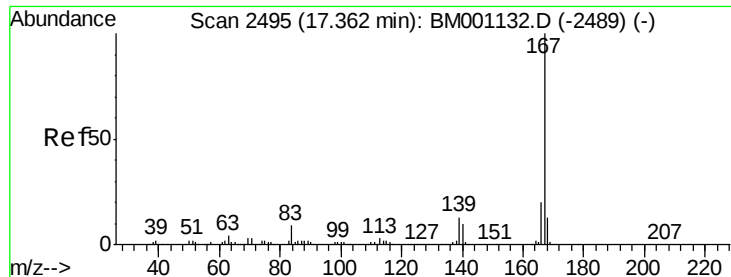


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 70.03 ng/ul

RT: 17.37 min Scan# 2496

Delta R.T. 0.01 min

Lab File: BM001136.D

Acq: 28 Apr 2015 19:57

Instrument :

BNA_M

ClientSampleId :

X1Q42

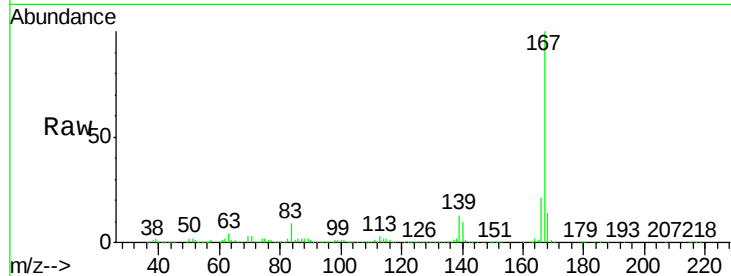
Tgt Ion:167 Resp: 3207264

Ion Ratio Lower Upper

167 100

166 21.2 16.2 24.2

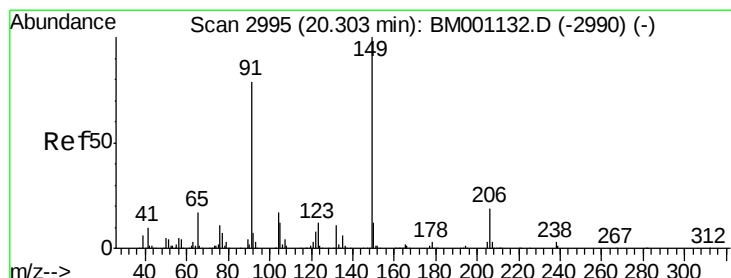
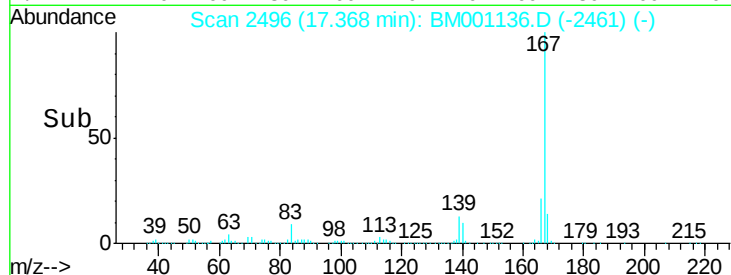
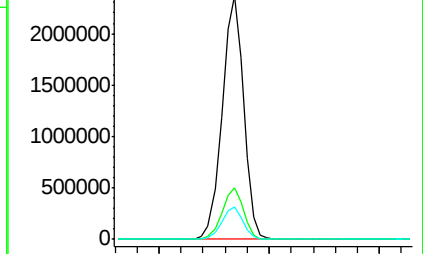
139 13.1 10.2 15.2



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



#78

Butylbenzylphthalate

Concen: 52.76 ng/ul

RT: 20.30 min Scan# 2995

Delta R.T. -0.00 min

Lab File: BM001136.D

Acq: 28 Apr 2015 19:57

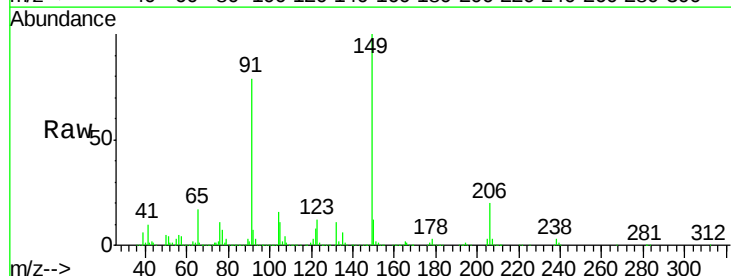
Tgt Ion:149 Resp: 1123928

Ion Ratio Lower Upper

149 100

91 78.8 63.0 94.4

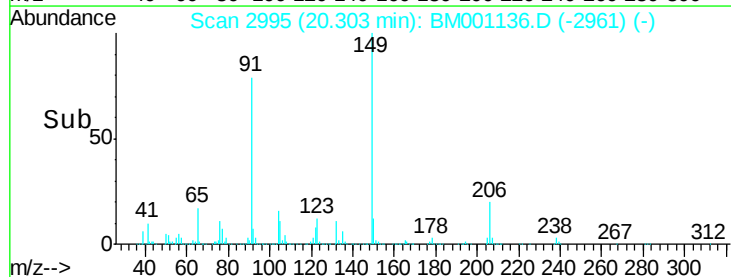
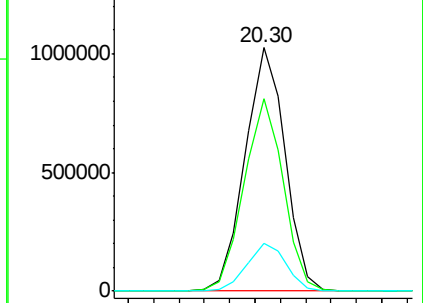
206 19.6 15.7 23.5

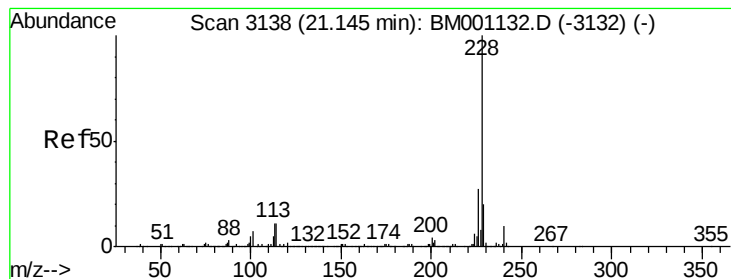


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 46.90 ng/ul

RT: 21.20 min Scan# 3147

Delta R.T. 0.05 min

Lab File: BM001136.D

Acq: 28 Apr 2015 19:57

Instrument :

BNA_M

ClientSampleId :

X1Q42

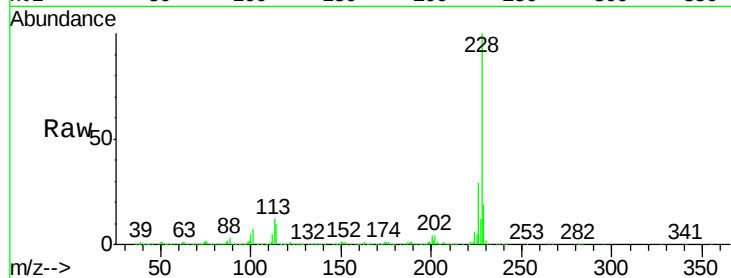
Tgt Ion:228 Resp: 2665223

Ion Ratio Lower Upper

228 100

229 19.3 15.6 23.4

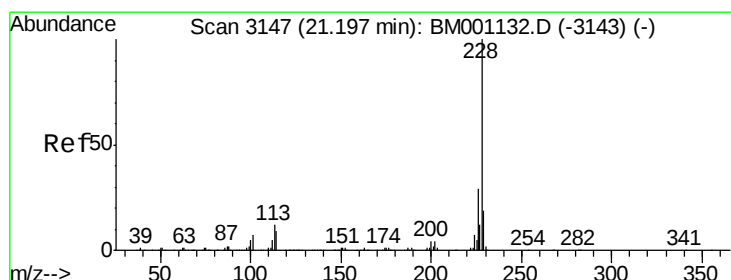
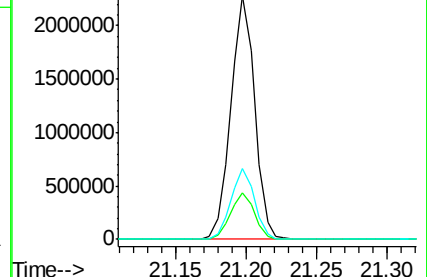
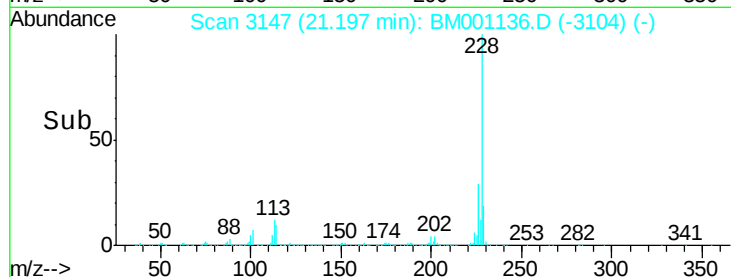
226 29.2 20.7 31.1



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



#82

Chrysene

Concen: 49.36 ng/ul

RT: 21.20 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BM001136.D

Acq: 28 Apr 2015 19:57

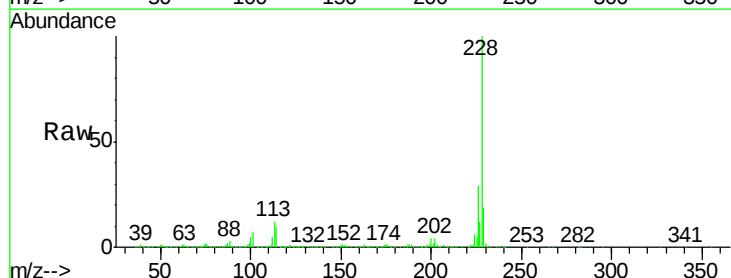
Tgt Ion:228 Resp: 2665223

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.0

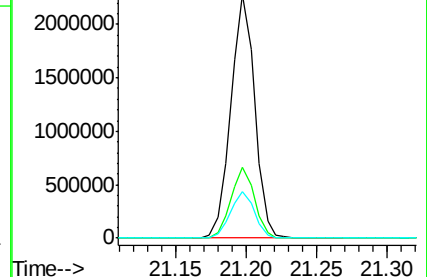
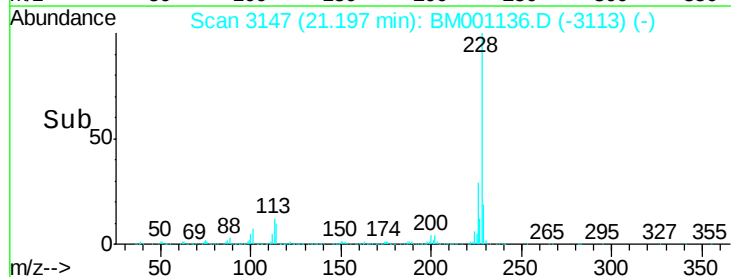
229 19.3 15.0 22.6

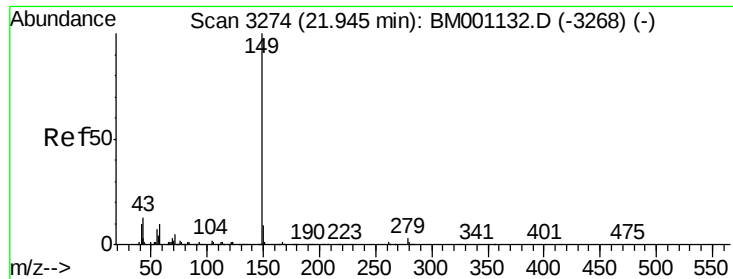


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Di-n-octyl phthalate

Concen: 68.16 ng/ul

RT: 21.94 min Scan# 3274

Delta R.T. -0.00 min

Lab File: BM001136.D

Acq: 28 Apr 2015 19:57

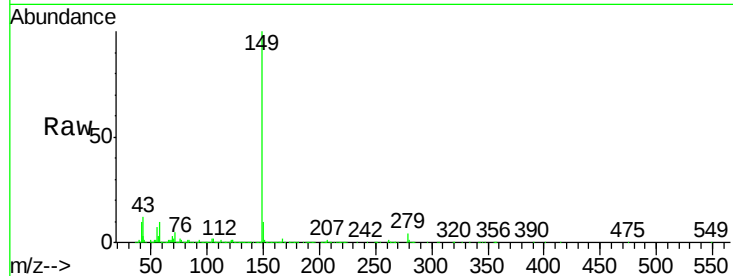
Instrument :

BNA_M

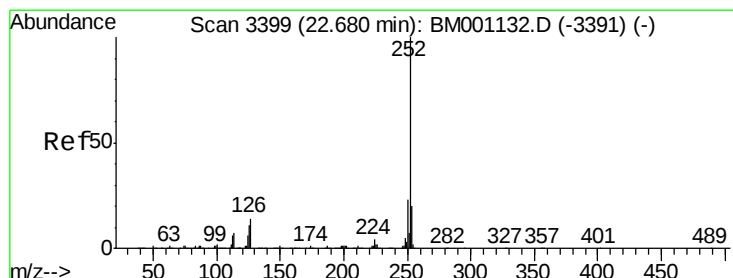
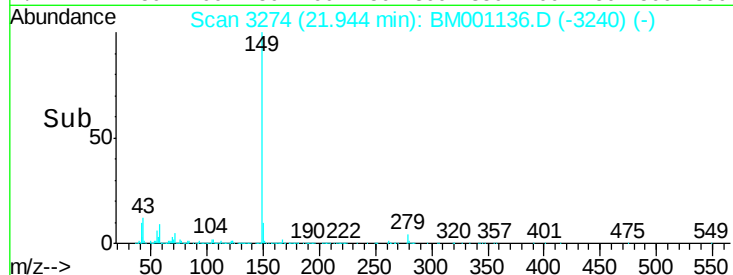
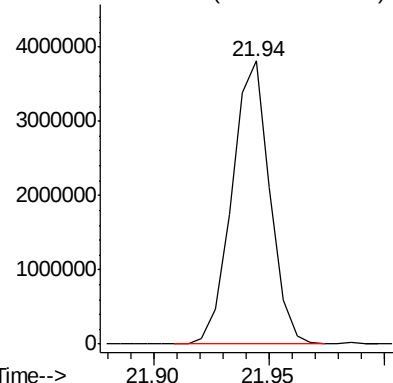
ClientSampleId :

X1Q42

Tgt Ion:149 Resp: 4340794



Abundance Ion 149.00 (148.70 to 149.70): E



#85

Benzo(b)fluoranthene

Concen: 60.81 ng/ul

RT: 22.68 min Scan# 3399

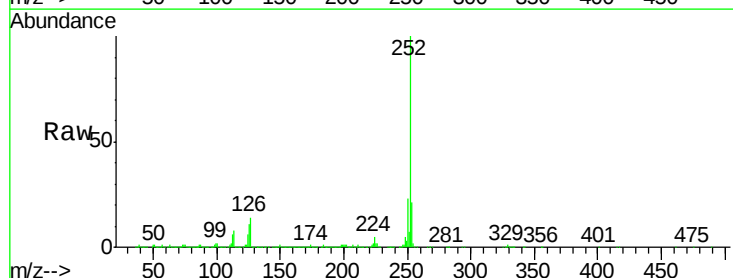
Delta R.T. -0.00 min

Lab File: BM001136.D

Acq: 28 Apr 2015 19:57

Tgt Ion:252 Resp: 3567516

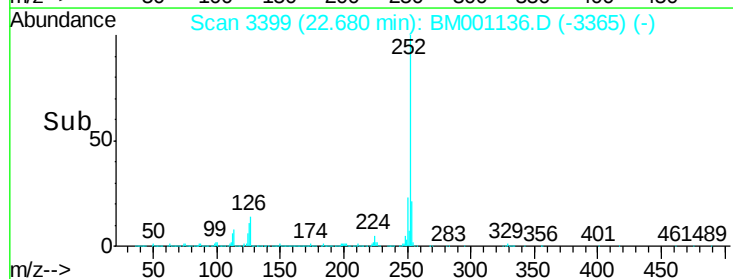
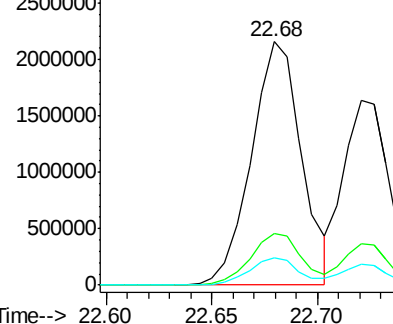
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	11.4	9.4	14.0

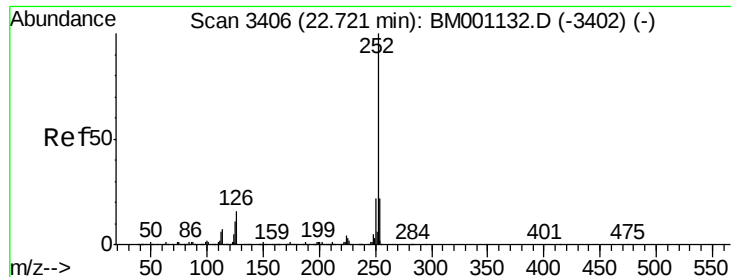


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

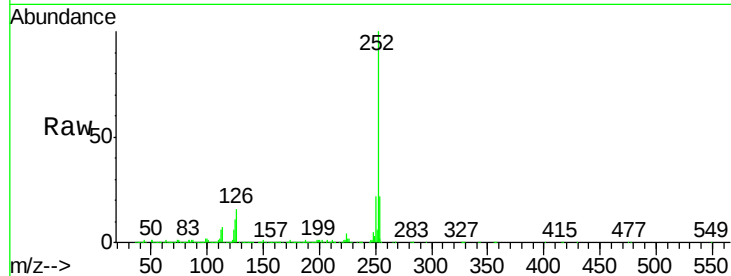




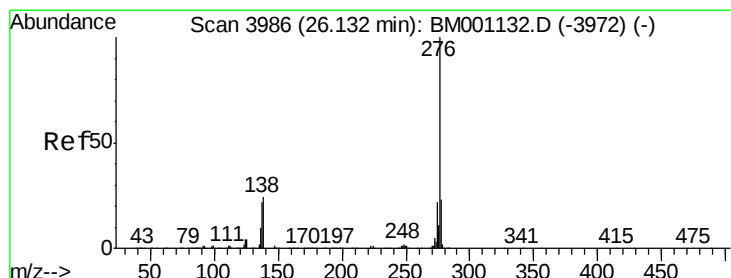
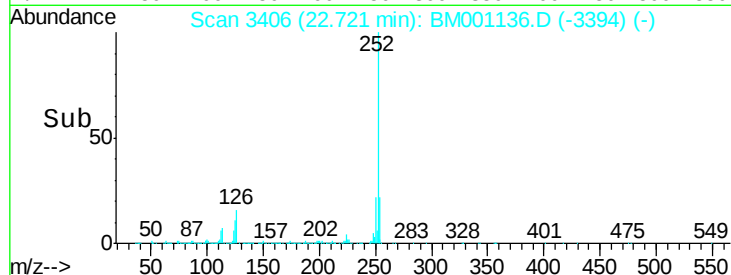
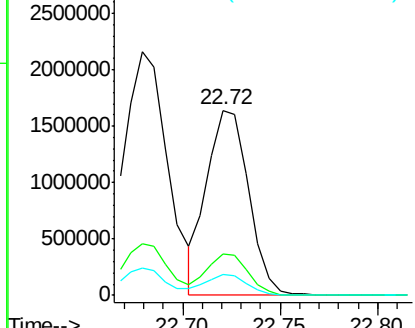
#86
Benzo(k)fluoranthene
Concen: 44.60 ng/ul
RT: 22.72 min Scan# 3406
Delta R.T. -0.00 min
Lab File: BM001136.D
Acq: 28 Apr 2015 19:57

Instrument :
BNA_M
ClientSampleId :
X1Q42

Tgt Ion:252 Resp: 2443008
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 11.3 9.2 13.8

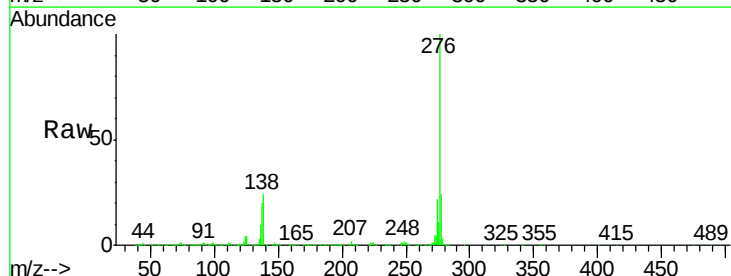


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 58.98 ng/ul
RT: 26.14 min Scan# 3988
Delta R.T. 0.01 min
Lab File: BM001136.D
Acq: 28 Apr 2015 19:57

Tgt Ion:276 Resp: 3108839
Ion Ratio Lower Upper
276 100
138 23.8 19.0 28.6
277 23.7 18.4 27.6



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

