

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061515\
 Data File : BM001703.D
 Acq On : 15 Jun 2015 19:02
 Operator : TP/IZ
 Sample : G2610-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1W53

Quant Time: Jun 16 04:19:11 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 15 19:33:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	63741	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	250335	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	149462	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	340735	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	445462	20.00	ng/ul	0.00
85) Perylene-d12	23.49	264	448760	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	6480	4.85	ng/uL	0.00
5) Phenol-d5	6.83	99	147156	30.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	80434	29.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	115495	29.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	119968	30.53	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	52202	30.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	58889	31.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	133363	32.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	147694	35.79	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	370892	33.46	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	438467	30.18	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	74290	36.33	ng/ul	0.00
57) Fluorene-d10	15.32	176	340979	33.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	67994	32.67	ng/ul	0.00
70) Anthracene-d10	17.17	188	592502	37.33	ng/ul	0.00
78) Pyrene-d10	19.47	212	737222	39.07	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.34	264	797959	40.34	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.86	94	230614	45.64	ng/ul	96
20) Nitrobenzene	8.87	77	181433	38.67	ng/ul	100
21) Isophorone	9.39	82	427276	54.52	ng/ul	99
27) 2,4-Dichlorophenol	10.10	162	294629	74.88	ng/ul	94
28) Naphthalene	10.51	128	686076	54.28	ng/ul	99
32) Caprolactam	11.38	113	61535	52.35	ng/ul	99
38) 2,4,6-Trichlorophenol	12.74	196	221412	68.13	ng/ul	96
41) 2-Chloronaphthalene	13.19	162	542390	56.71	ng/ul	98
44) Dimethylphthalate	13.78	163	105618	8.72	ng/ul	99
56) Diethylphthalate	15.15	149	778482	67.58	ng/ul	99
64) N-Nitrosodiphenylamine	15.59	169	393000	39.48	ng/ul	99
66) Hexachlorobenzene	16.37	284	169468	39.70	ng/ul	98
67) Atrazine	16.54	200	215266	53.68	ng/ul	97
69) Phenanthrene	17.11	178	865673	46.85	ng/ul	99
74) Carbazole	17.48	167	1279849	76.90	ng/ul	99
80) Butylbenzylphthalate	20.40	149	449624	55.77	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.17	149	12771	1.05	ng/ul#	96
84) Chrysene	21.30	228	1278490	51.82	ng/ul	99
86) Di-n-octyl phthalate	22.05	149	1757836	79.70	ng/ul	100
87) Benzo(b)fluoranthene	22.82	252	1789386	68.50	ng/ul	99
88) Benzo(k)fluoranthene	22.87	252	1212982	48.05	ng/ul	100
93) Benzo(g,h,i)perylene	26.43	276	1641731	64.79	ng/ul	100

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Response via : Initial Calibration

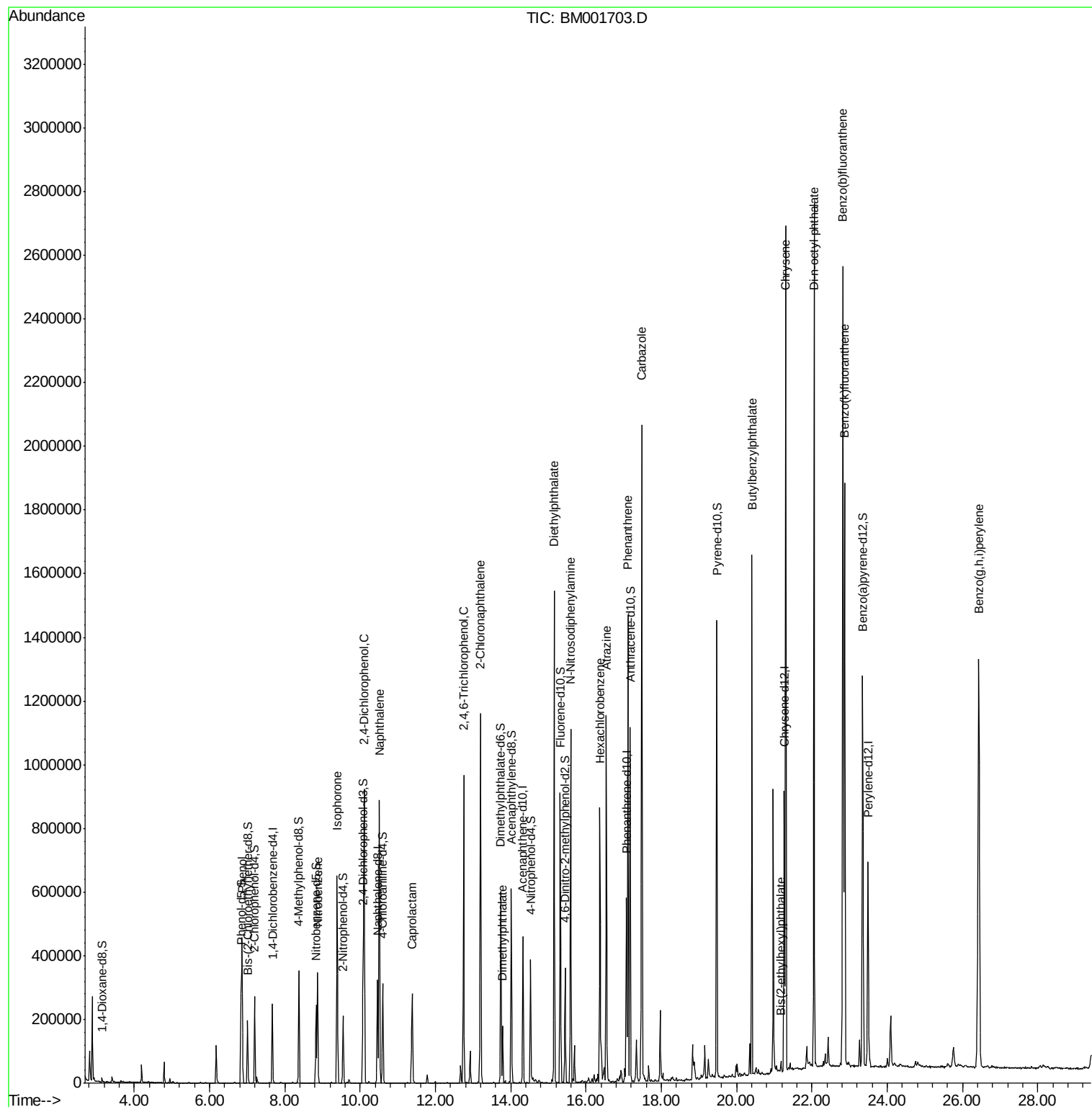
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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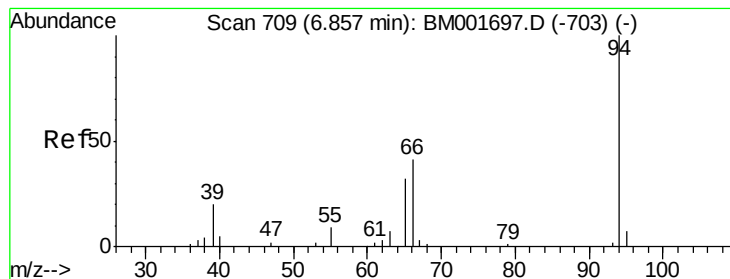
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 45.64 ng/ul

RT: 6.86 min Scan# 710

Delta R.T. 0.01 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

Instrument :

BNA_M

ClientSampleId :

X1W53

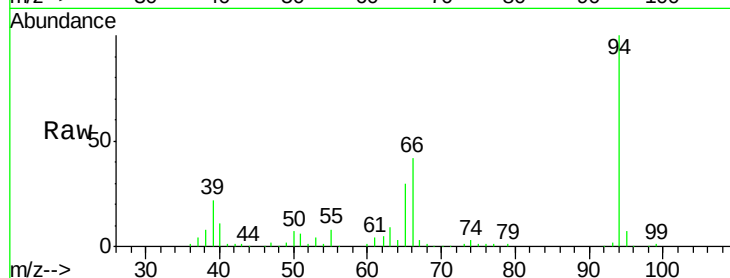
Tgt Ion: 94 Resp: 230614

Ion Ratio Lower Upper

94 100

65 30.1 26.1 39.1

66 42.3 35.9 53.9



Abundance Ion 94.00 (93.70 to 94.70): BM001697.D (-703) (-)

Ion 65.00 (64.70 to 65.70): BM001697.D (-703) (-)

Ion 66.00 (65.70 to 66.70): BM001697.D (-703) (-)

200000

150000

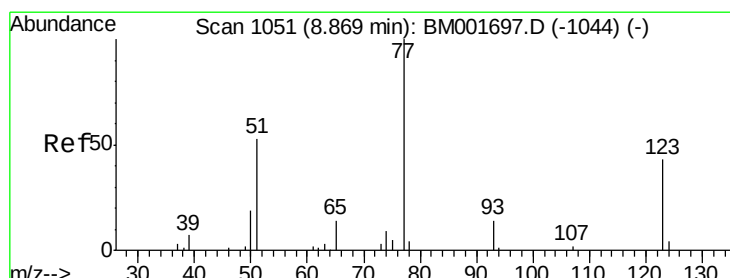
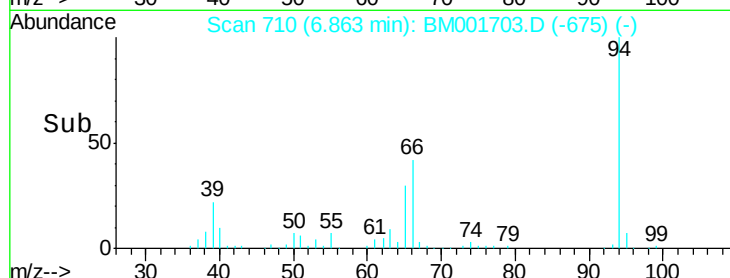
100000

50000

0

6.80 6.85 6.90

Time-->



#20

Nitrobenzene

Concen: 38.67 ng/ul

RT: 8.87 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

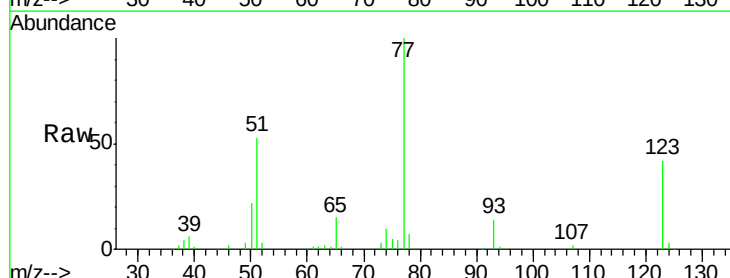
Tgt Ion: 77 Resp: 181433

Ion Ratio Lower Upper

77 100

123 42.3 34.0 51.0

65 14.5 11.3 16.9



Abundance Ion 77.00 (76.70 to 77.70): BM001697.D (-1044) (-)

Ion 123.00 (122.70 to 123.70): BM001697.D (-1044) (-)

Ion 65.00 (64.70 to 65.70): BM001697.D (-1044) (-)

150000

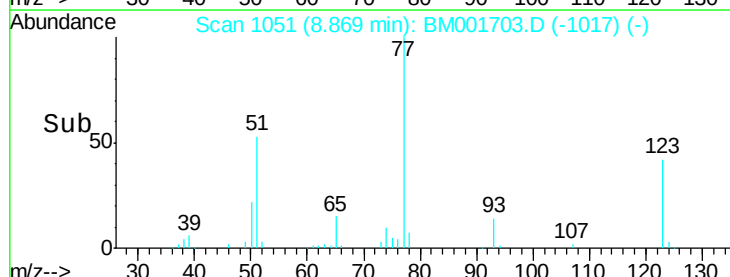
100000

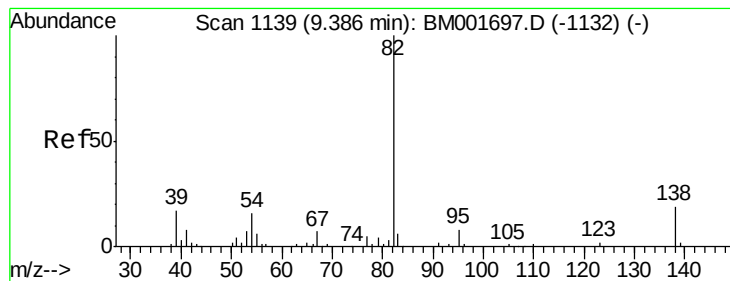
50000

0

8.80 8.85 8.90 8.95

Time-->





#21

Isophorone

Concen: 54.52 ng/ul

RT: 9.39 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

Instrument :

BNA_M

ClientSampleId :

X1W53

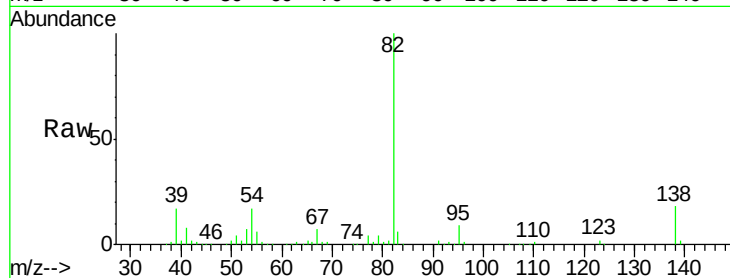
Tgt Ion: 82 Resp: 427276

Ion Ratio Lower Upper

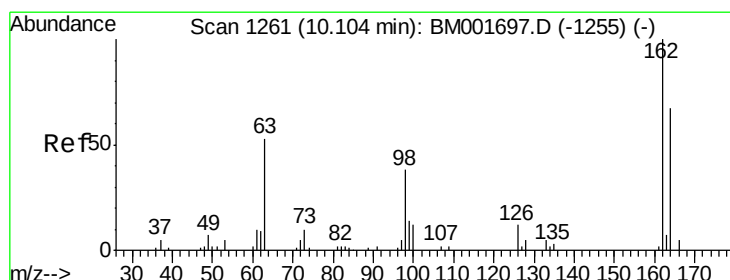
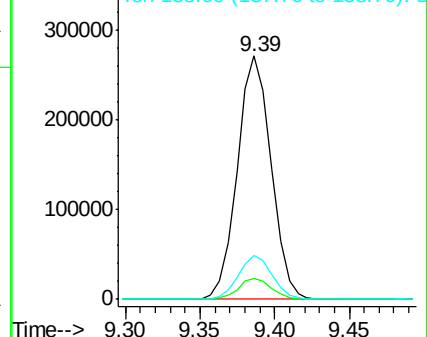
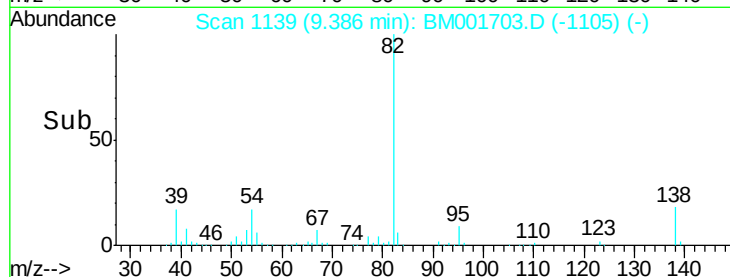
82 100

95 8.6 6.3 9.5

138 18.2 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BM001703.D (-1105) (-)



#27

2,4-Dichlorophenol

Concen: 74.88 ng/ul

RT: 10.10 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

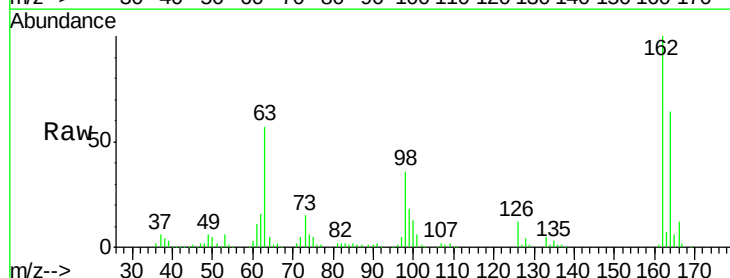
Tgt Ion: 162 Resp: 294629

Ion Ratio Lower Upper

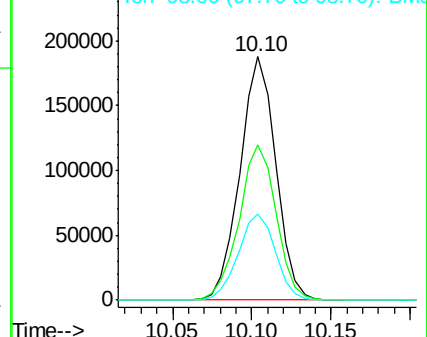
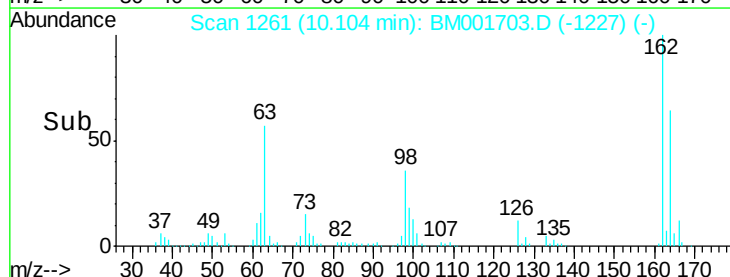
162 100

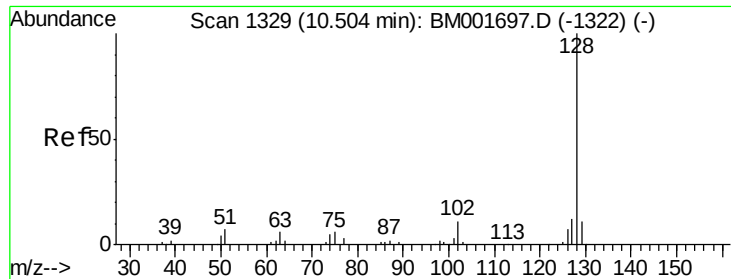
164 63.6 55.1 82.7

98 35.5 30.8 46.2



Abundance Ion 162.00 (161.70 to 162.70): BM001703.D (-1227) (-)





#28

Naphthalene

Concen: 54.28 ng/ul

RT: 10.51 min Scan# 1330

Delta R.T. 0.01 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

Instrument :

BNA_M

ClientSampled :

X1W53

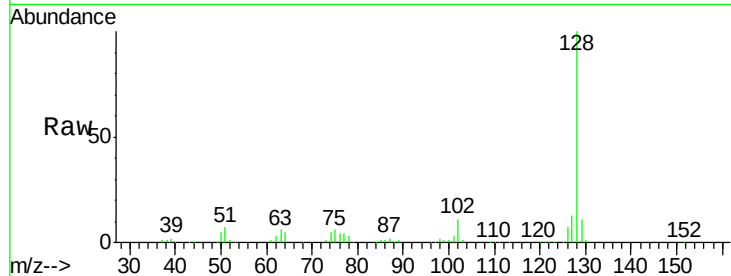
Tgt Ion:128 Resp: 686076

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

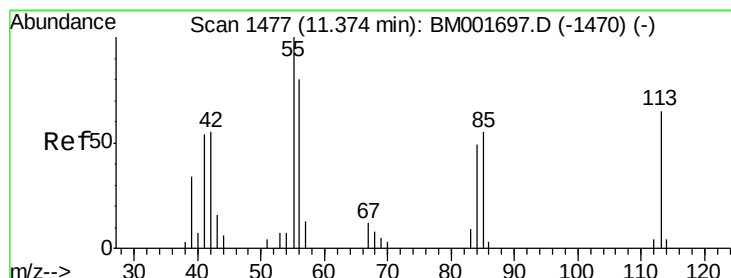
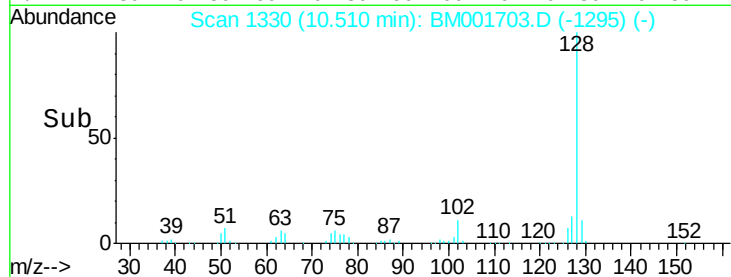
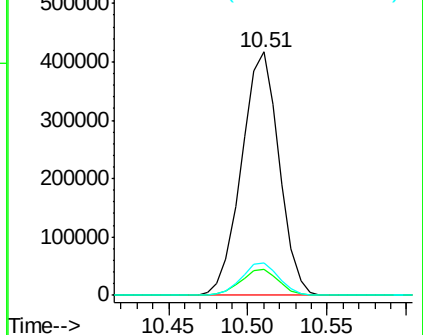
127 13.3 10.0 15.0



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



#32

Caprolactam

Concen: 52.35 ng/ul

RT: 11.38 min Scan# 1478

Delta R.T. 0.01 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

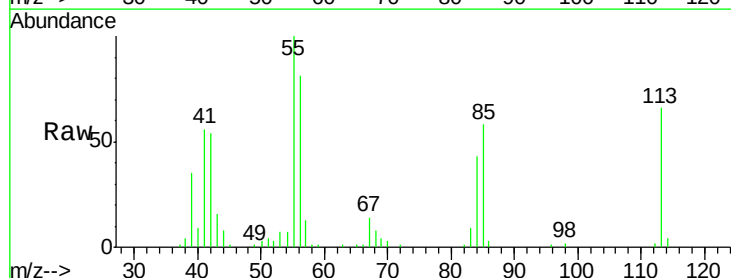
Tgt Ion:113 Resp: 61535

Ion Ratio Lower Upper

113 100

55 151.1 123.3 184.9

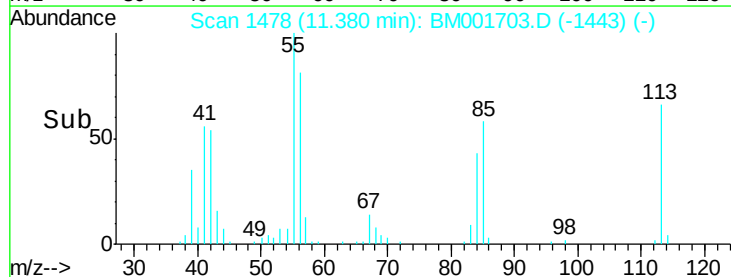
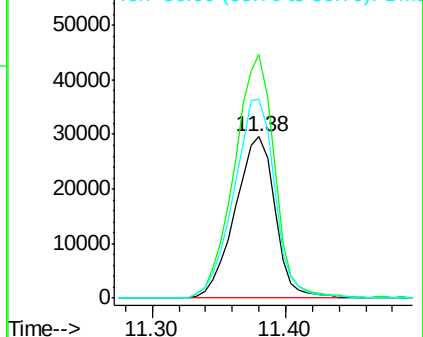
56 123.1 98.6 147.8

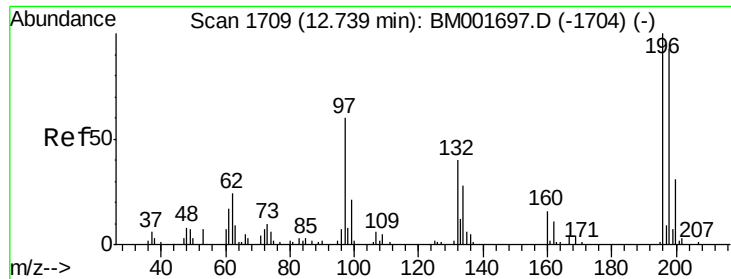


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0

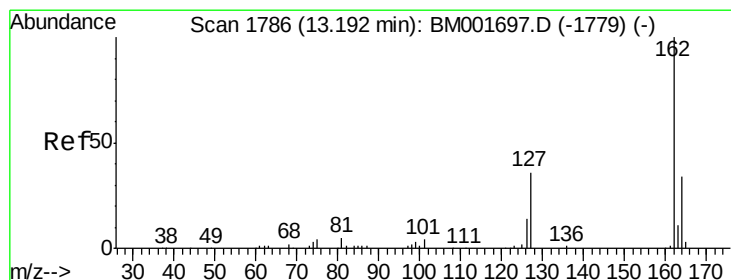
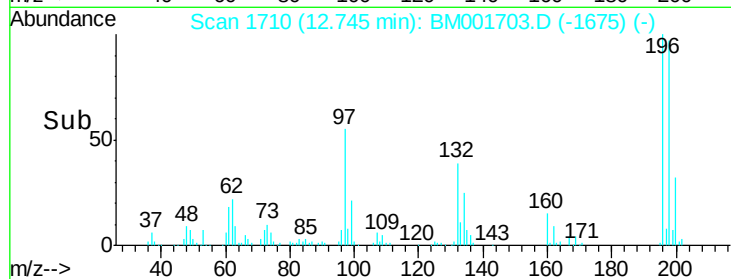
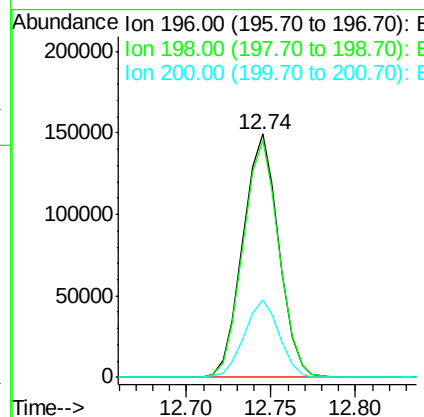
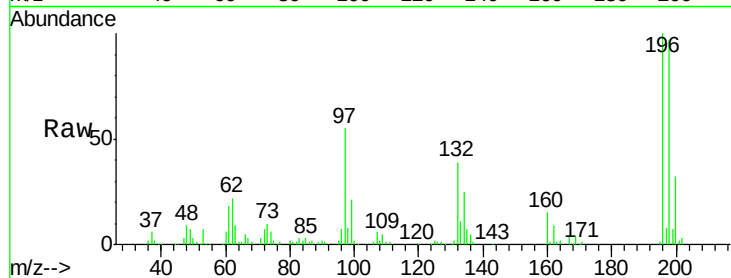




#38
 2,4,6-Trichlorophenol
 Concen: 68.13 ng/ul
 RT: 12.74 min Scan# 1710
 Delta R.T. 0.01 min
 Lab File: BM001703.D
 Acq: 15 Jun 2015 19:02

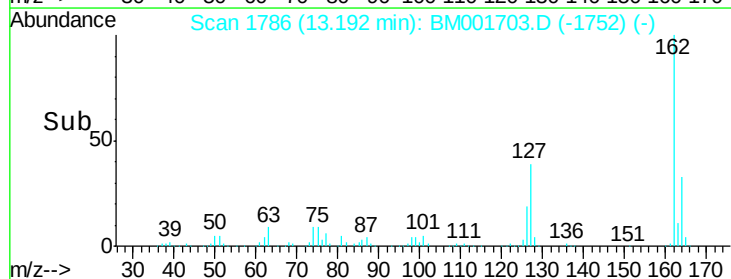
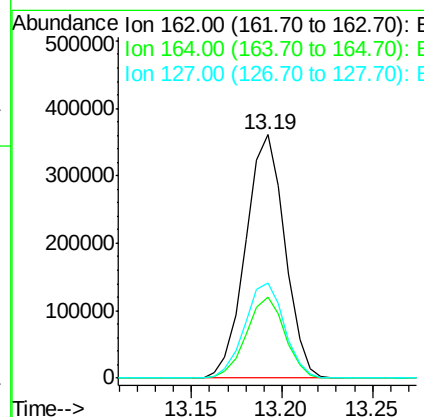
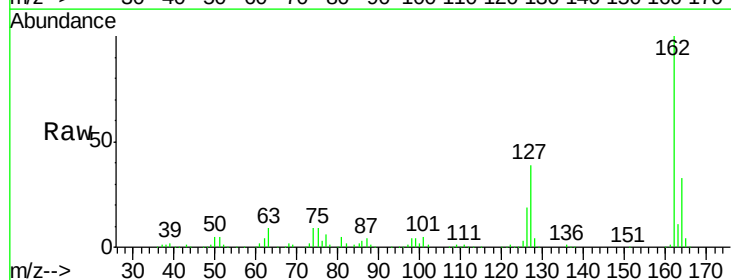
Instrument :
 BNA_M
 ClientSampleId :
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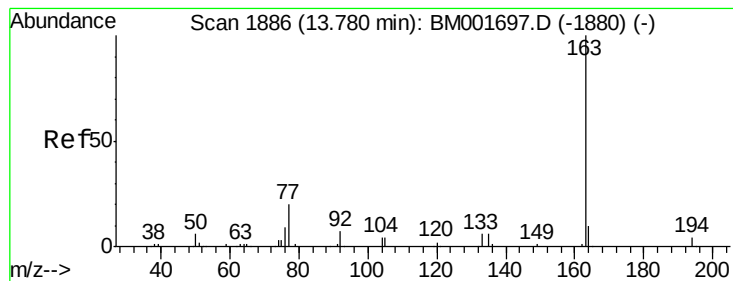
Tgt Ion:196 Resp: 221412
 Ion Ratio Lower Upper
 196 100
 198 97.5 74.4 111.6
 200 31.8 25.0 37.4



#41
 2-Chloronaphthalene
 Concen: 56.71 ng/ul
 RT: 13.19 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BM001703.D
 Acq: 15 Jun 2015 19:02

Tgt Ion:162 Resp: 542390
 Ion Ratio Lower Upper
 162 100
 164 33.3 27.2 40.8
 127 39.2 32.6 49.0





#44

Dimethylphthalate

Concen: 8.72 ng/ul

RT: 13.78 min Scan# 1886

Delta R.T. 0.00 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

Instrument :

BNA_M

ClientSampleId :

X1W53

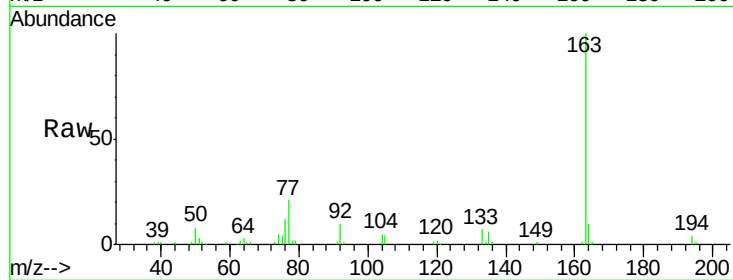
Tgt Ion:163 Resp: 105618

Ion Ratio Lower Upper

163 100

194 4.1 3.6 5.4

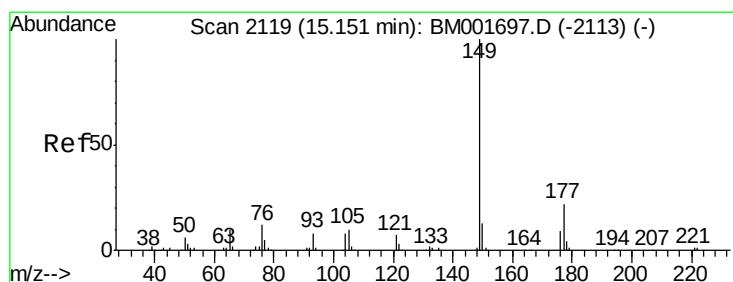
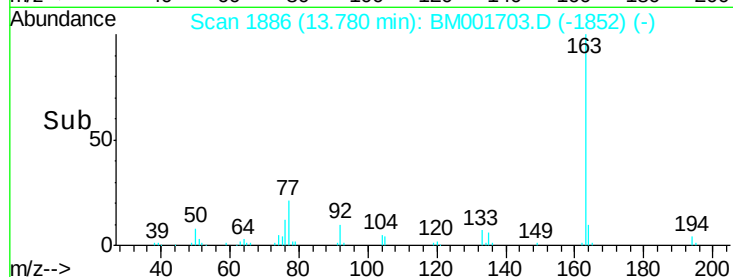
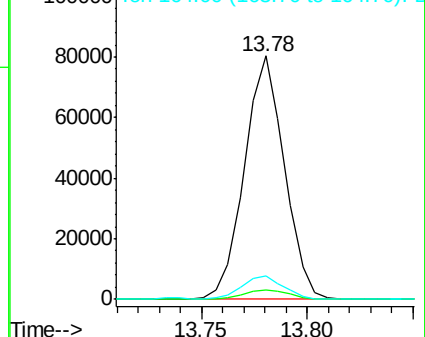
164 9.8 8.0 12.0



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



#56

Diethylphthalate

Concen: 67.58 ng/ul

RT: 15.15 min Scan# 2119

Delta R.T. 0.00 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

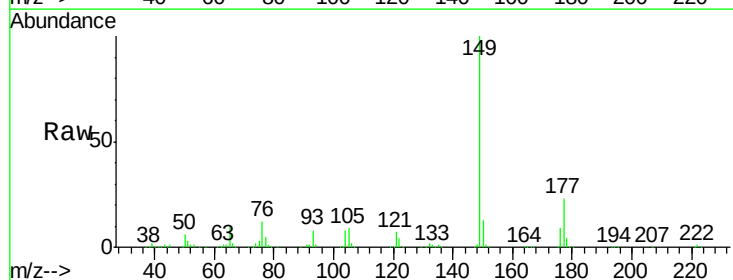
Tgt Ion:149 Resp: 778482

Ion Ratio Lower Upper

149 100

177 22.5 17.3 25.9

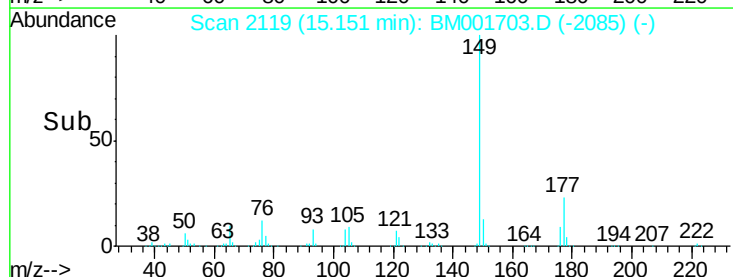
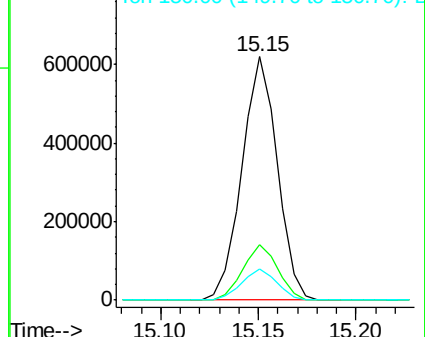
150 12.6 10.1 15.1

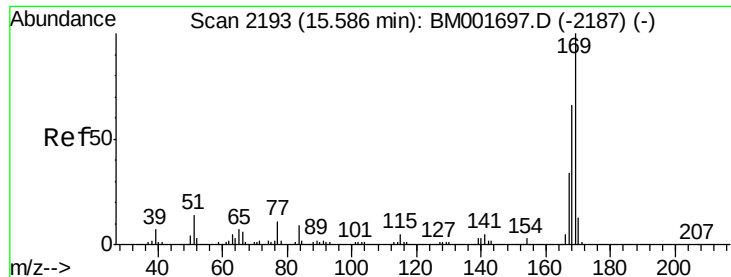


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#64

N-Nitrosodiphenylamine

Concen: 39.48 ng/ul

RT: 15.59 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

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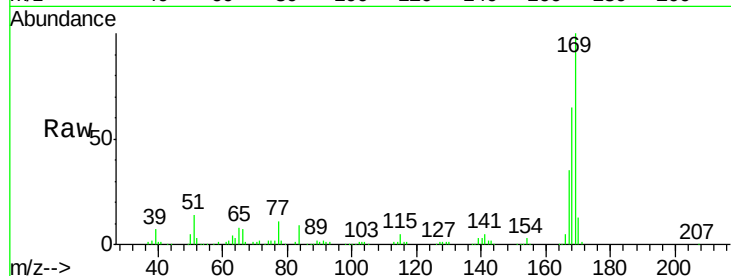
Tgt Ion:169 Resp: 393000

Ion Ratio Lower Upper

169 100

168 64.7 52.9 79.3

167 34.7 27.5 41.3



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

15.59

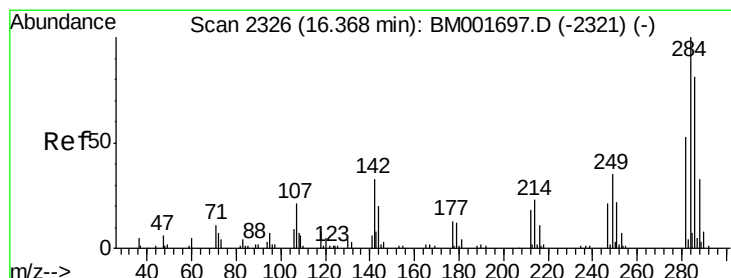
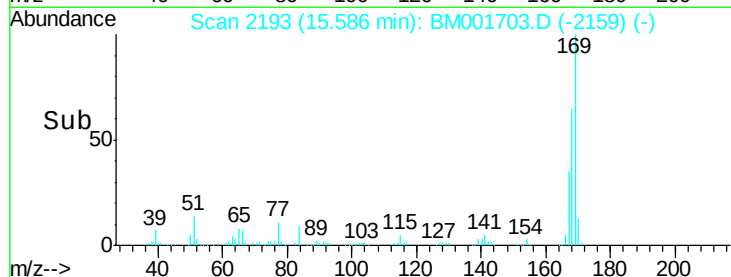
300000

200000

100000

0

Time-->



#66

Hexachlorobenzene

Concen: 39.70 ng/ul

RT: 16.37 min Scan# 2326

Delta R.T. -0.00 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

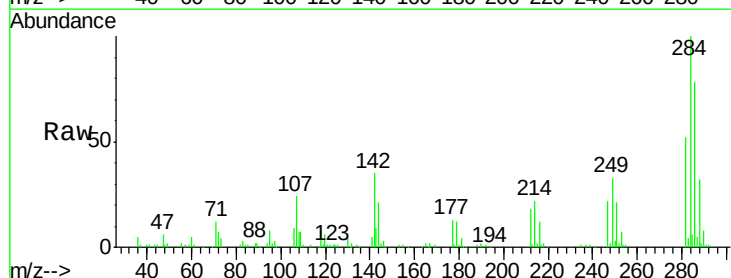
Tgt Ion:284 Resp: 169468

Ion Ratio Lower Upper

284 100

142 34.5 26.6 39.8

249 33.2 27.7 41.5



Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

16.37

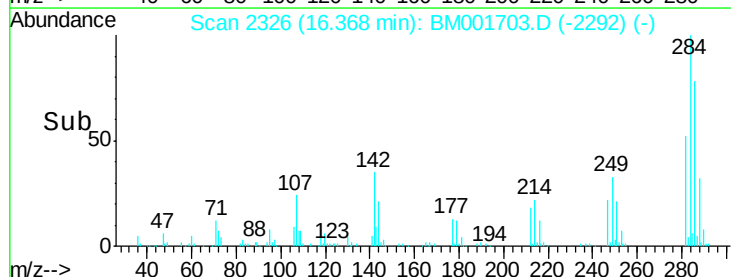
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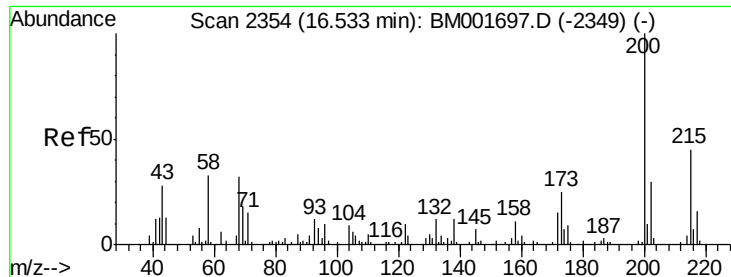
100000

50000

0

Time-->

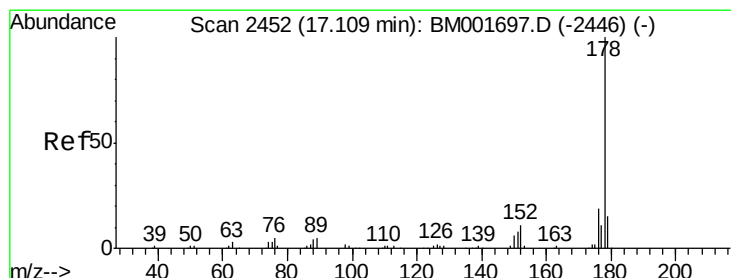
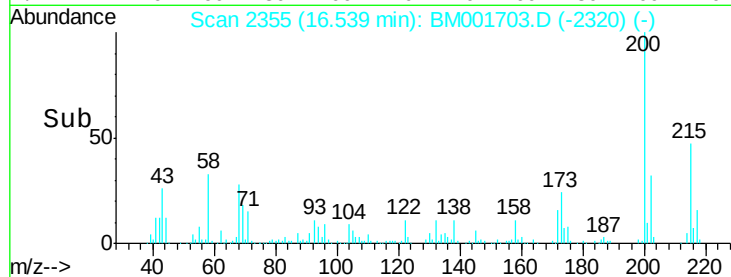
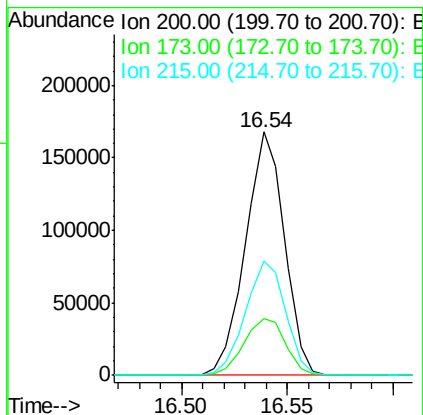
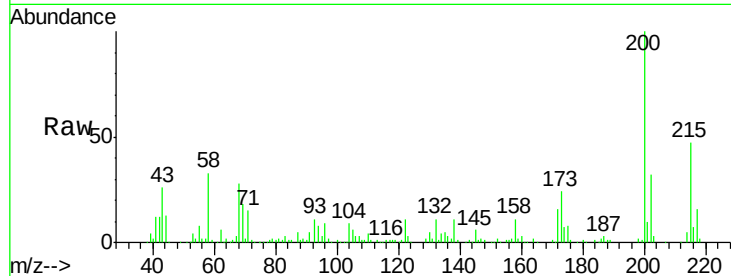




#67
 Atrazine
 Concen: 53.68 ng/ul
 RT: 16.54 min Scan# 2355
 Delta R.T. 0.01 min
 Lab File: BM001703.D
 Acq: 15 Jun 2015 19:02

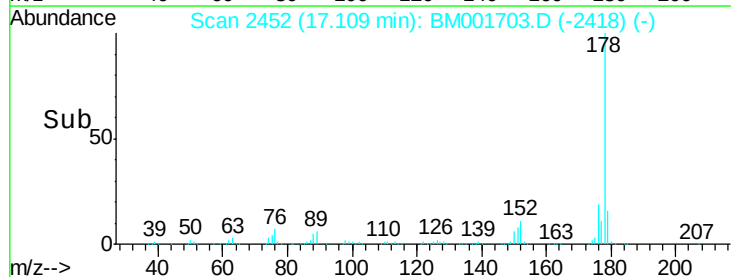
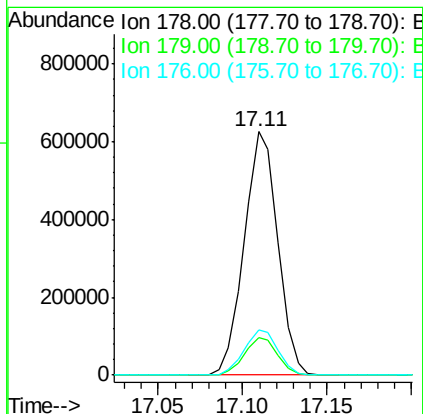
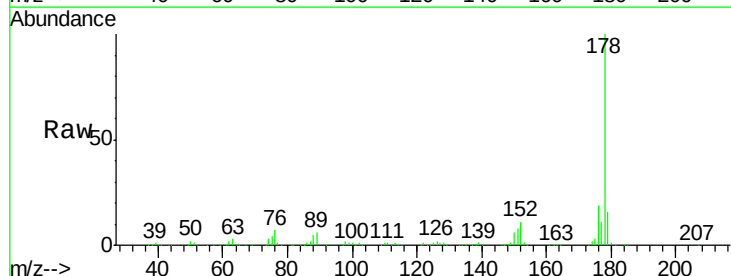
Instrument :
 BNA_M
 ClientSampleId :
 X1W53

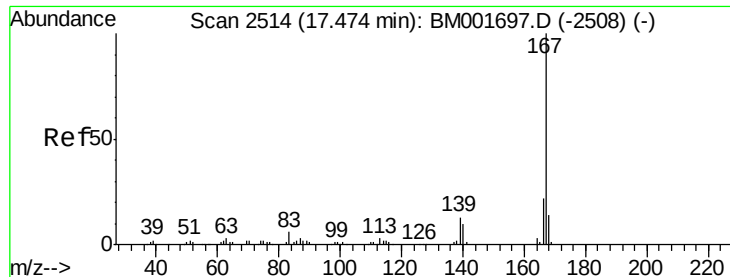
Tgt Ion	Ratio	Lower	Upper
200	100		
173	23.5	19.6	29.4
215	47.2	36.2	54.4



#69
 Phenanthrene
 Concen: 46.85 ng/ul
 RT: 17.11 min Scan# 2452
 Delta R.T. 0.00 min
 Lab File: BM001703.D
 Acq: 15 Jun 2015 19:02

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.9	17.9
176	18.7	15.2	22.8





#74

Carbazole

Concen: 76.90 ng/ul

RT: 17.48 min Scan# 2515

Delta R.T. 0.01 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

Instrument :

BNA_M

ClientSampleId :

X1W53

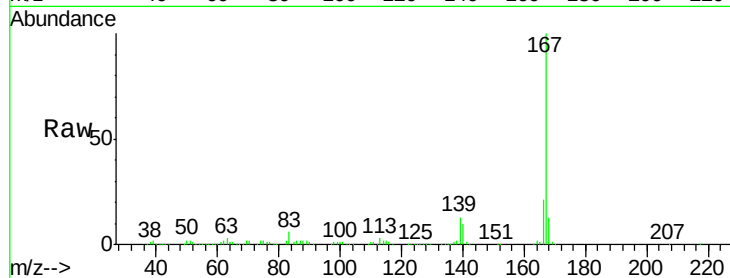
Tgt Ion:167 Resp: 1279849

Ion Ratio Lower Upper

167 100

166 20.9 17.4 26.2

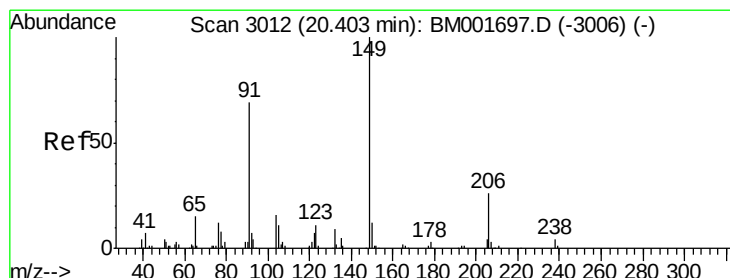
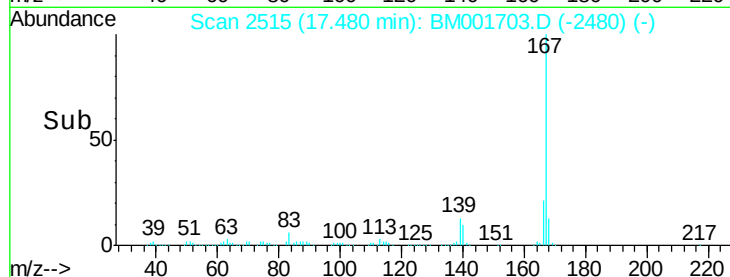
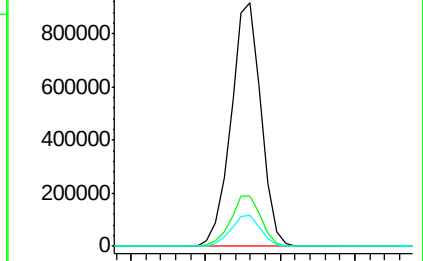
139 12.6 10.1 15.1



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



#80

Butylbenzylphthalate

Concen: 55.77 ng/ul

RT: 20.40 min Scan# 3012

Delta R.T. 0.00 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

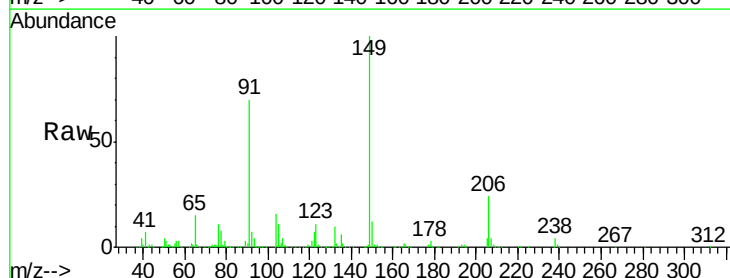
Tgt Ion:149 Resp: 449624

Ion Ratio Lower Upper

149 100

91 70.3 55.0 82.6

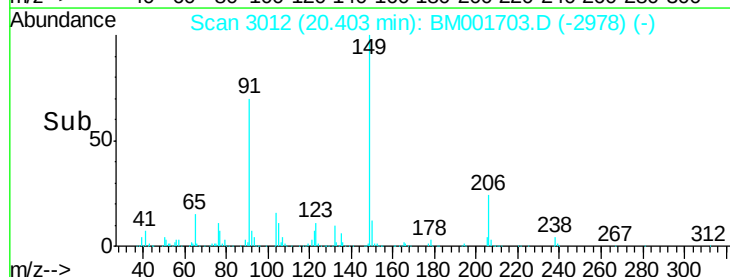
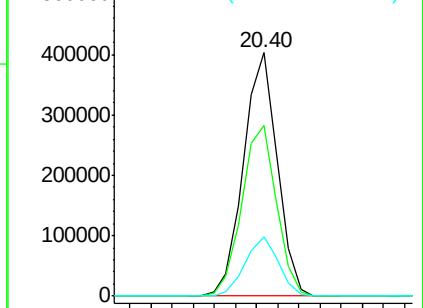
206 24.2 20.8 31.2

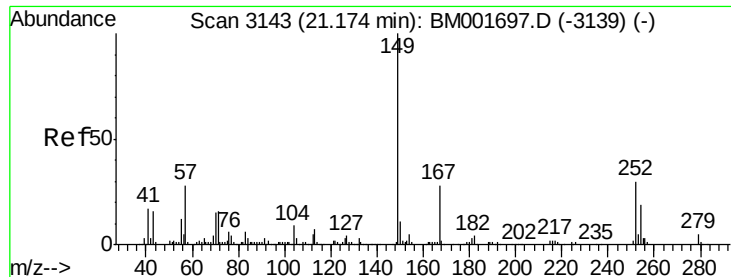


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

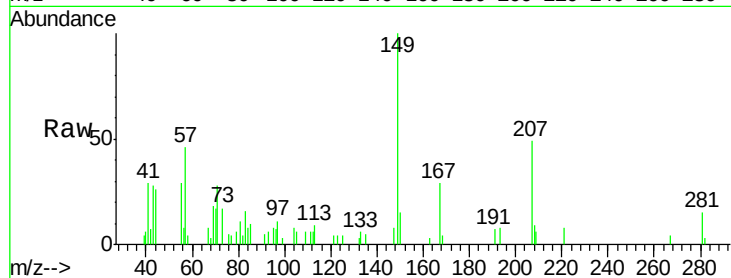




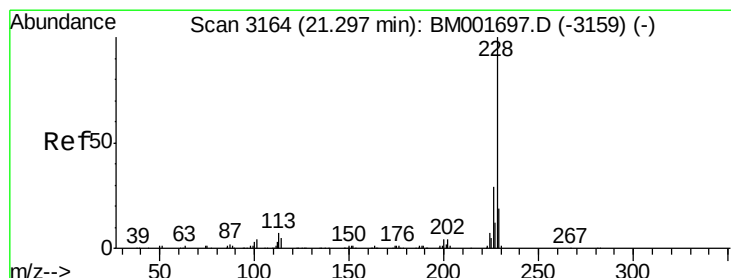
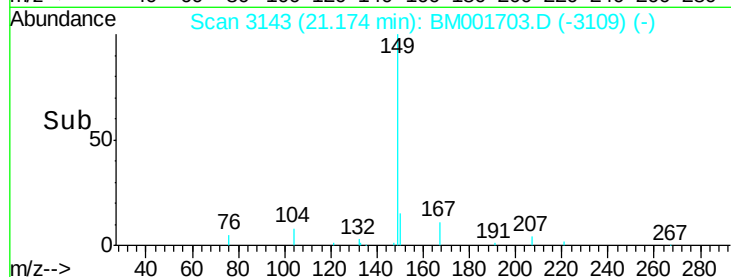
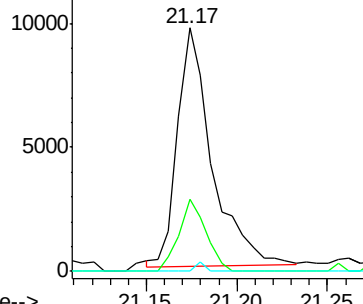
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.05 ng/ul
 RT: 21.17 min Scan# 3143
 Delta R.T. -0.00 min
 Lab File: BM001703.D
 Acq: 15 Jun 2015 19:02

Instrument :
 BNA_M
 ClientSampleId :
 X1W53

Tgt Ion:149 Resp: 12771
 Ion Ratio Lower Upper
 149 100
 167 29.4 22.7 34.1
 279 0.0 3.8 5.8#

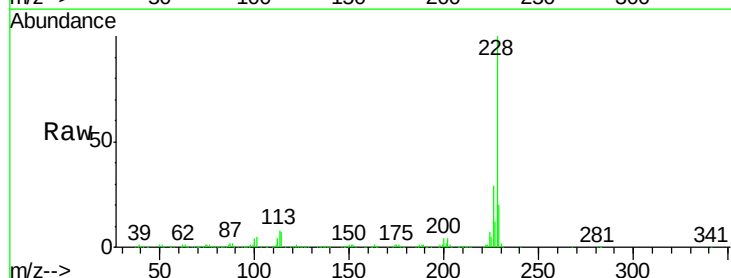


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

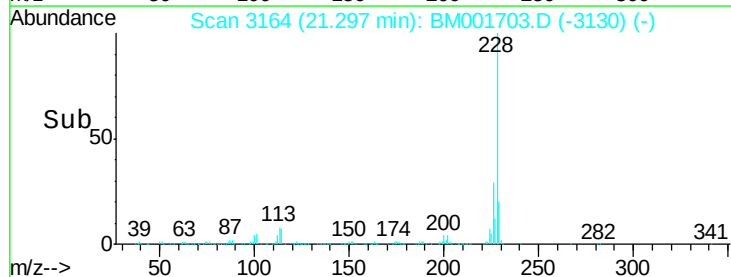
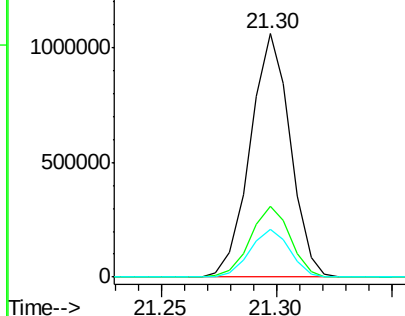


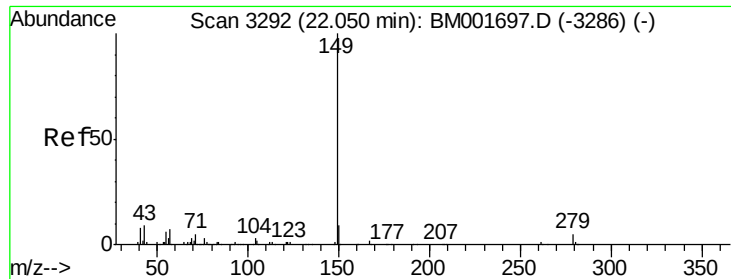
#84
 Chrysene
 Concen: 51.82 ng/ul
 RT: 21.30 min Scan# 3164
 Delta R.T. 0.00 min
 Lab File: BM001703.D
 Acq: 15 Jun 2015 19:02

Tgt Ion:228 Resp: 1278490
 Ion Ratio Lower Upper
 228 100
 226 29.1 23.0 34.4
 229 19.7 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





#86

Di-n-octyl phthalate

Concen: 79.70 ng/ul

RT: 22.05 min Scan# 3292

Delta R.T. -0.00 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

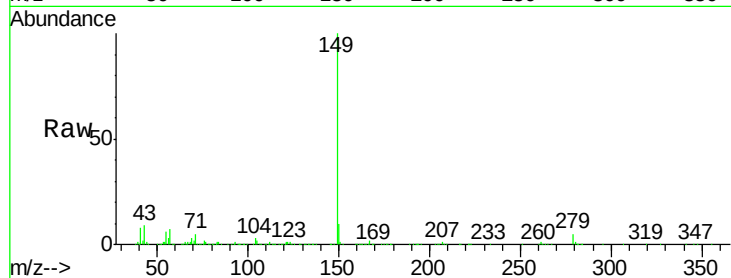
Instrument :

BNA_M

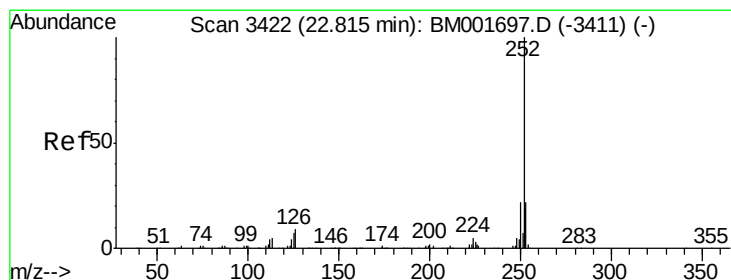
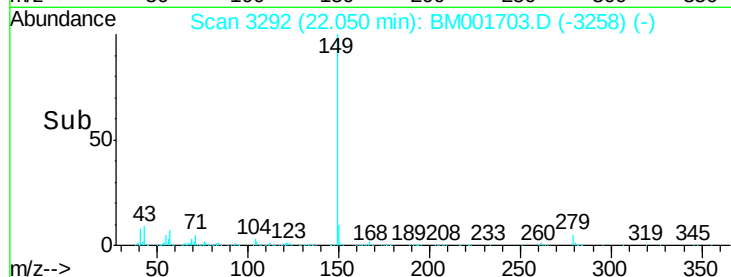
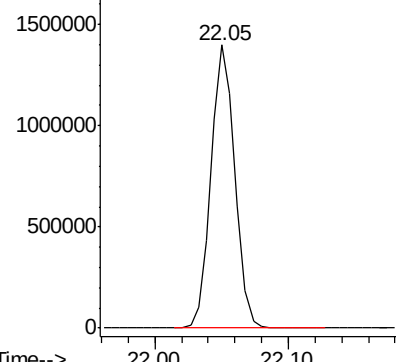
ClientSampleId :

X1W53

Tgt Ion:149 Resp: 1757836



Abundance Ion 149.00 (148.70 to 149.70): E



#87

Benzo(b)fluoranthene

Concen: 68.50 ng/ul

RT: 22.82 min Scan# 3423

Delta R.T. 0.01 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

Tgt Ion:252 Resp: 1789386

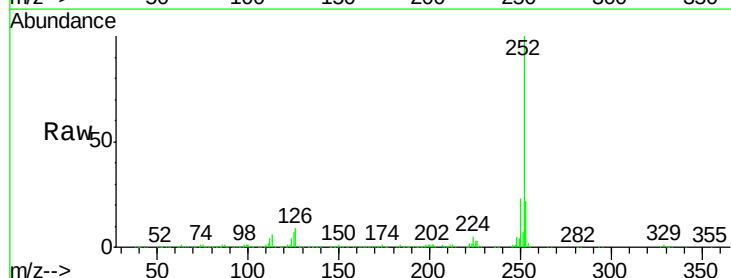
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	7.4	5.3	7.9

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

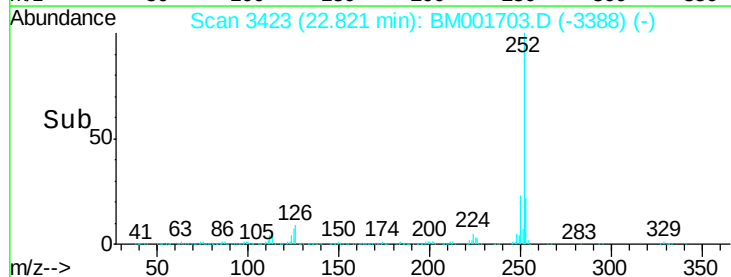
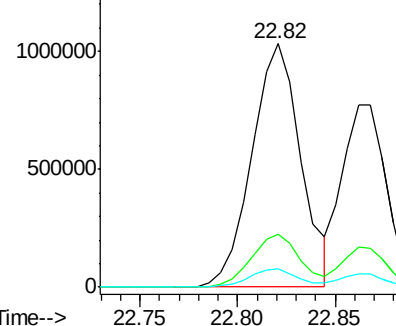
125 7.4 5.3 7.9

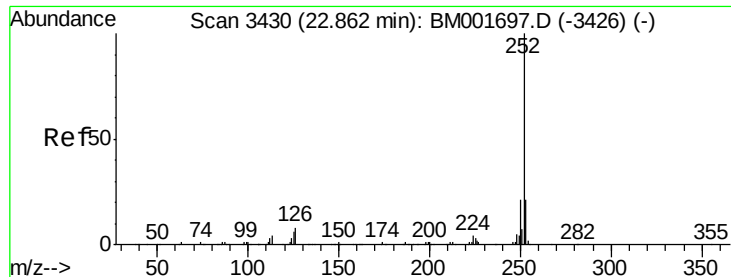


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 48.05 ng/ul

RT: 22.87 min Scan# 3431

Delta R.T. 0.01 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

Instrument :

BNA_M

ClientSampleId :

X1W53

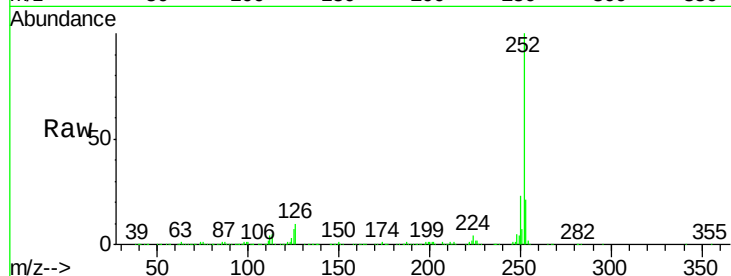
Tgt Ion:252 Resp: 1212982

Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

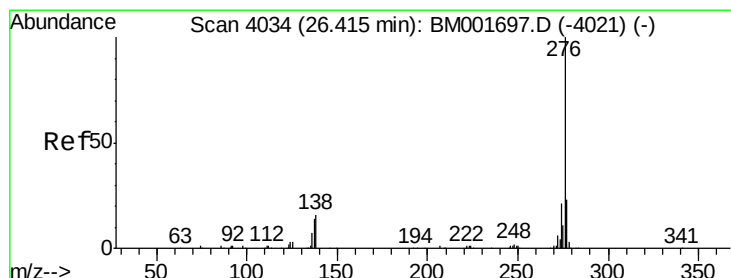
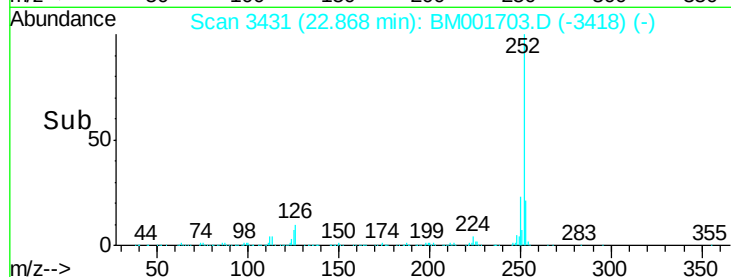
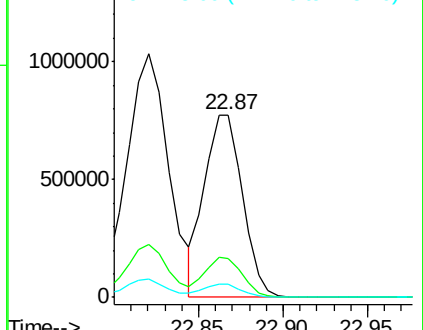
125 7.0 5.3 7.9



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



#93

Benzo(g,h,i)perylene

Concen: 64.79 ng/ul

RT: 26.43 min Scan# 4037

Delta R.T. 0.02 min

Lab File: BM001703.D

Acq: 15 Jun 2015 19:02

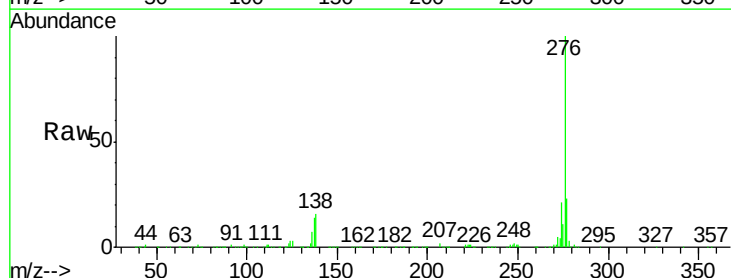
Tgt Ion:276 Resp: 1641731

Ion Ratio Lower Upper

276 100

138 16.0 12.6 19.0

277 23.2 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

