

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072015\
 Data File : BM001990.D
 Acq On : 21 Jul 2015 01:02
 Operator : TP/UM
 Sample : G3000-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02J3

Quant Time: Jul 21 01:47:12 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 21 01:37:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	108449	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	458714	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	279105	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	593988	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	503537	20.00	ng/ul	0.00
85) Perylene-d12	23.49	264	467545	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	2925	1.32	ng/uL	0.00
5) Phenol-d5	6.83	99	81845	9.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	46893	9.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	69471	9.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	57740	7.94	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	33671	9.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	33719	8.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	76786	10.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	66505	8.42	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	251556	11.17	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	274007	10.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	33280	8.73	ng/ul	0.00
57) Fluorene-d10	15.31	176	195432	10.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	3141	0.82	ng/ul	0.00
70) Anthracene-d10	17.16	188	282243	10.12	ng/ul	0.00
78) Pyrene-d10	19.46	212	258161	11.22	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.34	264	194603	8.23	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	8.48	105	33824	2.94	ng/ul	96
28) Naphthalene	10.49	128	136179	5.88	ng/ul	98
34) 2-Methylnaphthalene	12.12	142	39793	2.31	ng/ul	99
44) Dimethylphthalate	13.77	163	235725	10.29	ng/ul	98
49) Acenaphthene	14.37	153	52356	2.83	ng/ul	99
53) Dibenzofuran	14.71	168	36040	1.35	ng/ul	91
58) Fluorene	15.36	166	51390	2.30	ng/ul#	98
69) Phenanthrene	17.10	178	328077	10.19	ng/ul	98
71) Anthracene	17.20	178	70129	2.11	ng/ul	96
74) Carbazole	17.47	167	38755	1.35	ng/ul#	89
75) Di-n-butylphthalate	18.03	149	353218	10.23	ng/ul	99
76) Fluoranthene	19.13	202	370194	9.84	ng/ul	100
79) Pyrene	19.49	202	339387	11.27	ng/ul	97
82) Benzo(a)anthracene	21.24	228	121267	4.05	ng/ul#	94
83) Bis(2-ethylhexyl)phthalate	21.17	149	93760	5.58	ng/ul	97
84) Chrysene	21.30	228	134600	4.80	ng/ul#	92
87) Benzo(b)fluoranthene	22.82	252	159516	5.57	ng/ul#	87
88) Benzo(k)fluoranthene	22.82	252	59692	2.17	ng/ul#	86
90) Benzo(a)pyrene	23.39	252	104871	3.90	ng/ul#	86
91) Indeno(1,2,3-cd)pyrene	25.73	276	78697	2.78	ng/ul	98
93) Benzo(g,h,i)perylene	26.43	276	75082	3.23	ng/ul#	91

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Response via : Initial Calibration

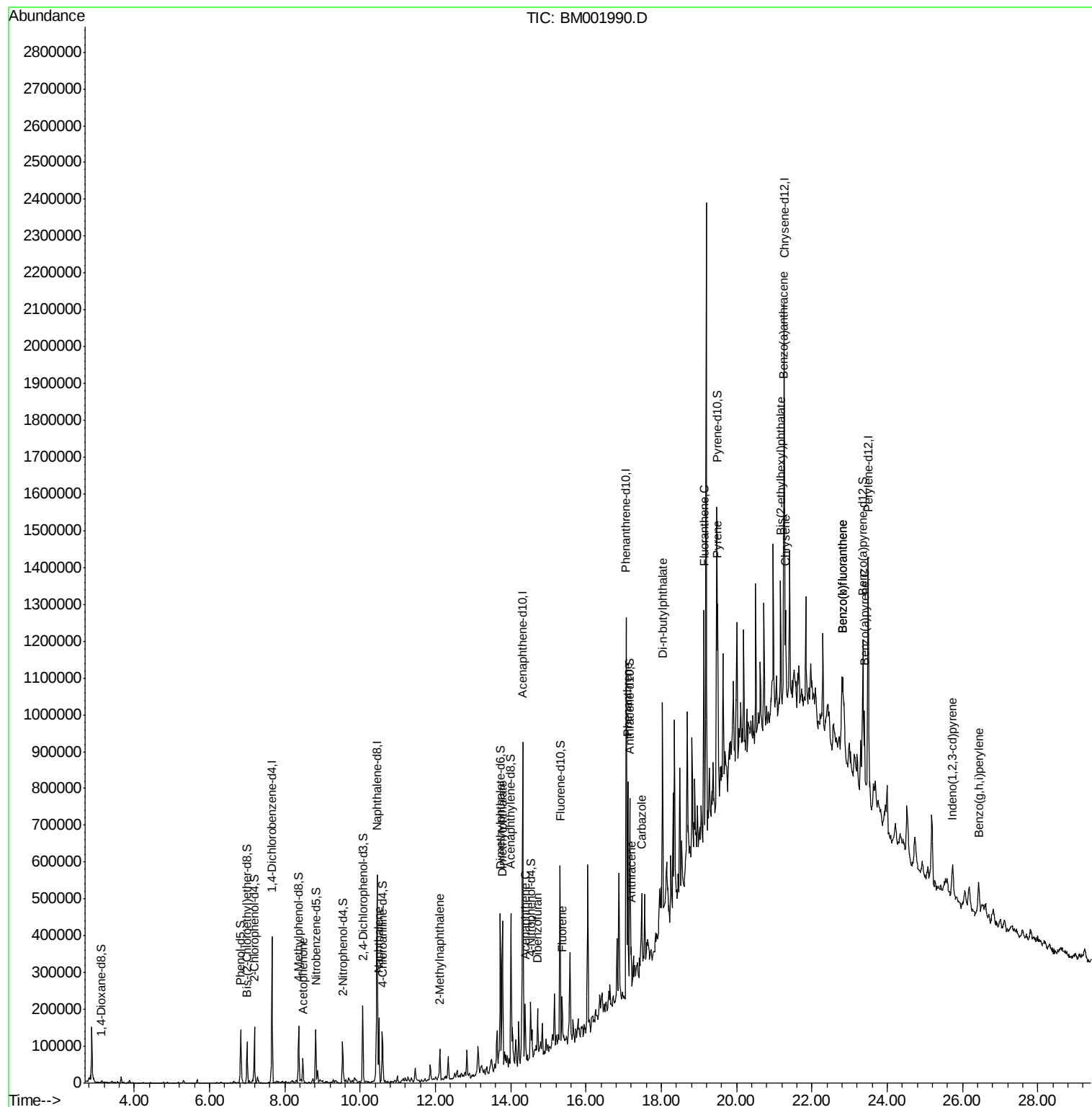
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

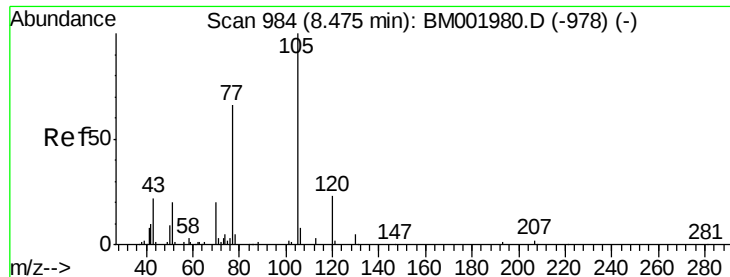
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#14

Acetophenone

Concen: 2.94 ng/ul

RT: 8.48 min Scan# 985

Delta R.T. 0.01 min

Lab File: BM001990.D

Acq: 21 Jul 2015 01:02

Instrument :

BNA_M

ClientSampleId :

C02J3

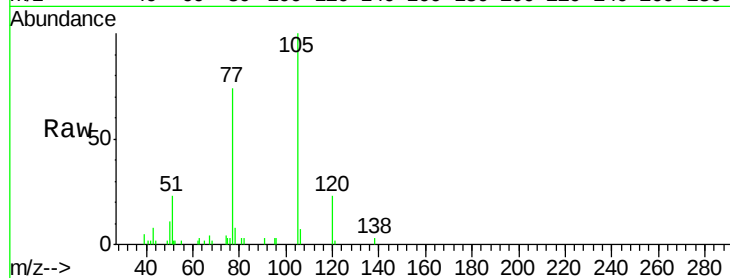
Tgt Ion:105 Resp: 33824

Ion Ratio Lower Upper

105 100

77 74.0 61.7 92.5

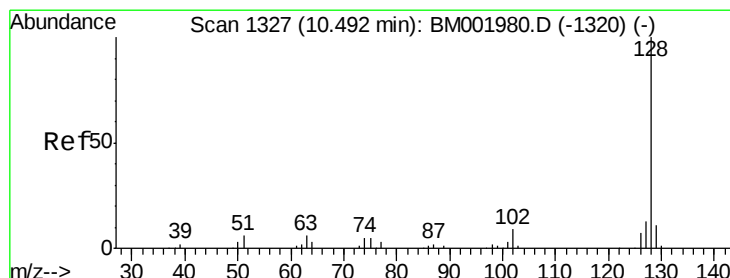
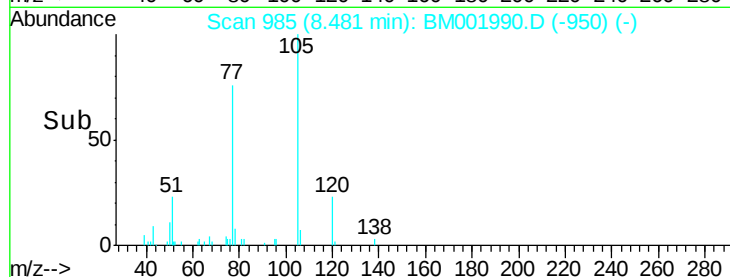
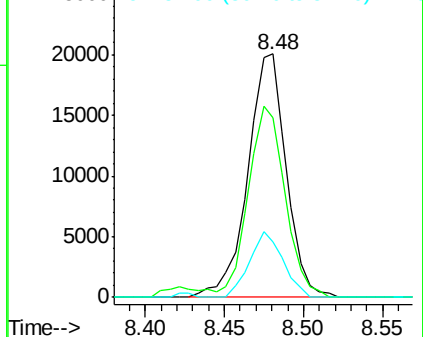
51 22.9 20.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#28

Naphthalene

Concen: 5.88 ng/ul

RT: 10.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BM001990.D

Acq: 21 Jul 2015 01:02

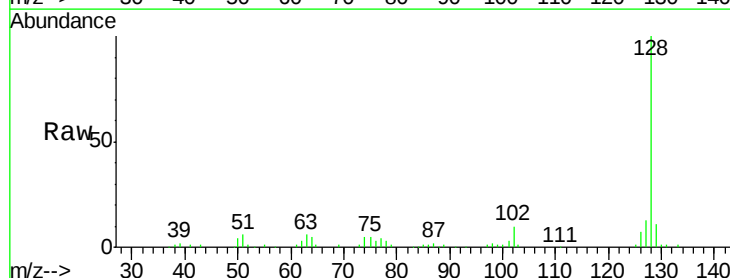
Tgt Ion:128 Resp: 136179

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

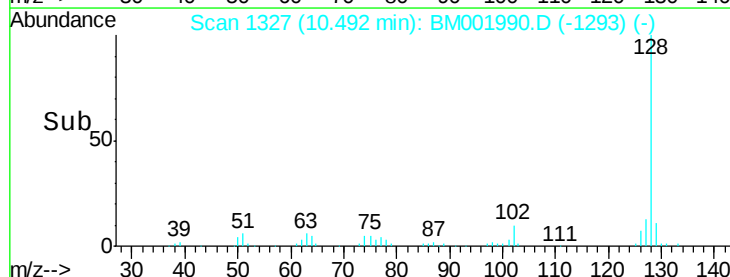
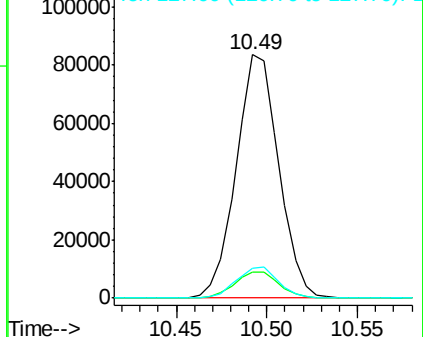
127 12.5 10.7 16.1

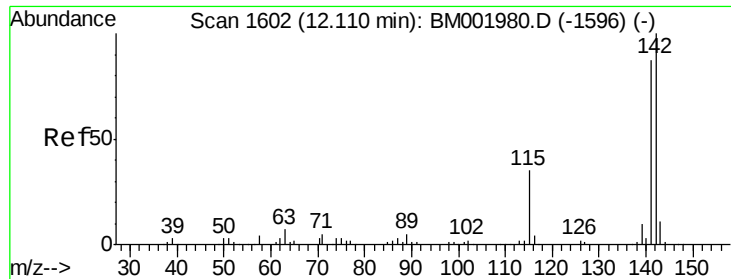


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

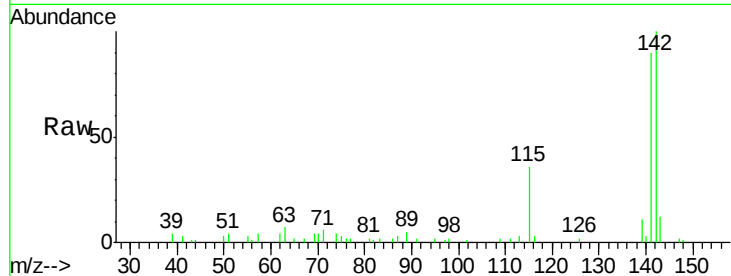




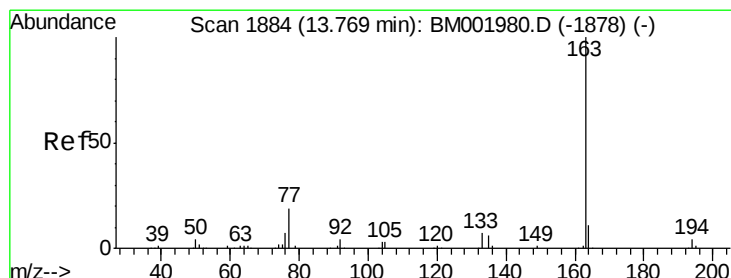
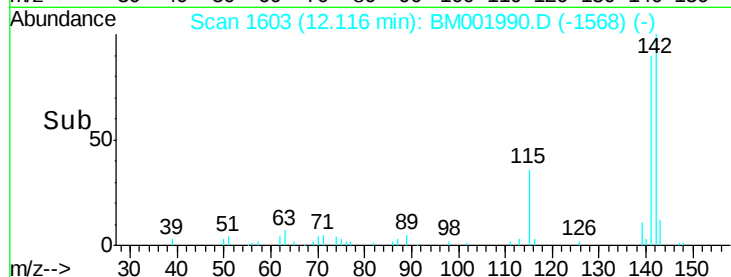
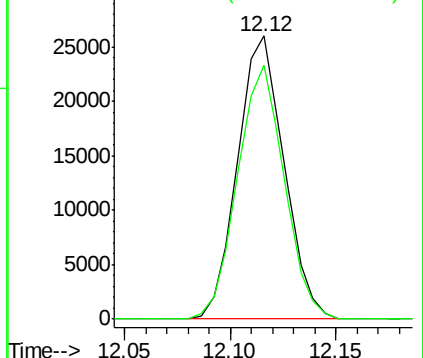
#34
 2-Methylnaphthalene
 Concen: 2.31 ng/ul
 RT: 12.12 min Scan# 1603
 Delta R.T. 0.01 min
 Lab File: BM001990.D
 Acq: 21 Jul 2015 01:02

Instrument :
 BNA_M
 ClientSampleId :
 C02J3

Tgt Ion:142 Resp: 39793
 Ion Ratio Lower Upper
 142 100
 141 89.8 71.3 106.9

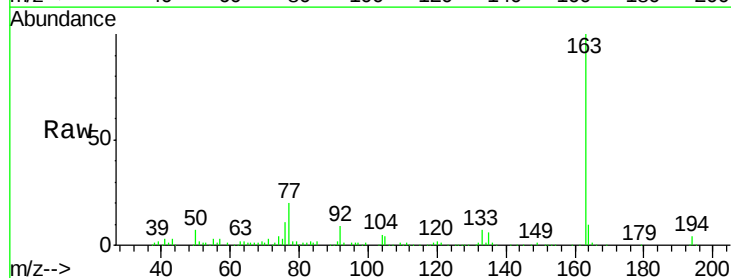


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

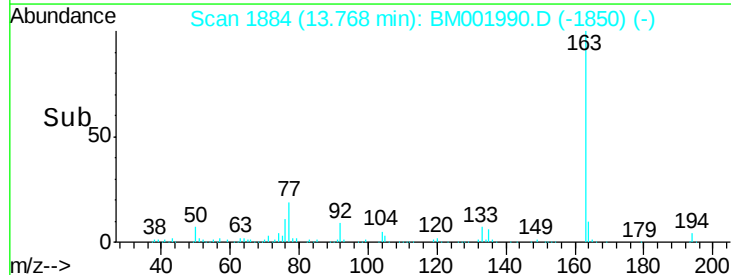
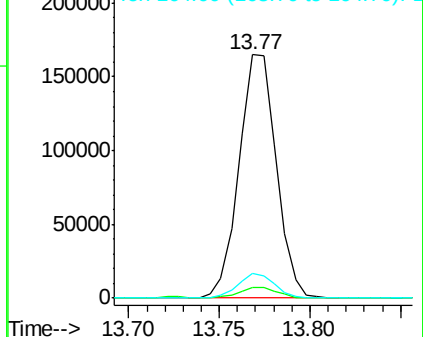


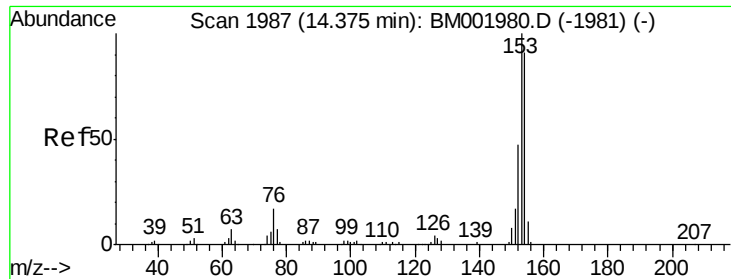
#44
 Dimethylphthalate
 Concen: 10.29 ng/ul
 RT: 13.77 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: BM001990.D
 Acq: 21 Jul 2015 01:02

Tgt Ion:163 Resp: 235725
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.3 4.9
 164 10.3 7.6 11.4



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





#49

Acenaphthene

Concen: 2.83 ng/ul

RT: 14.37 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BM001990.D

Acq: 21 Jul 2015 01:02

Instrument :

BNA_M

ClientSampleId :

C02J3

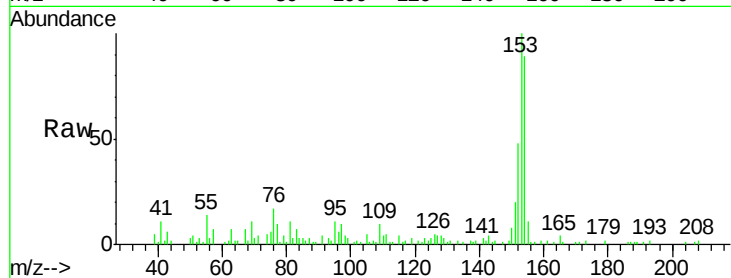
Tgt Ion:153 Resp: 52356

Ion Ratio Lower Upper

153 100

152 48.1 36.6 55.0

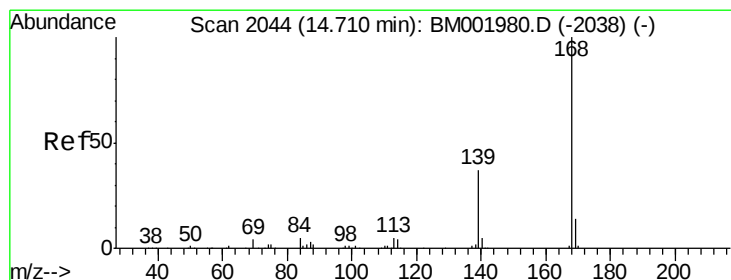
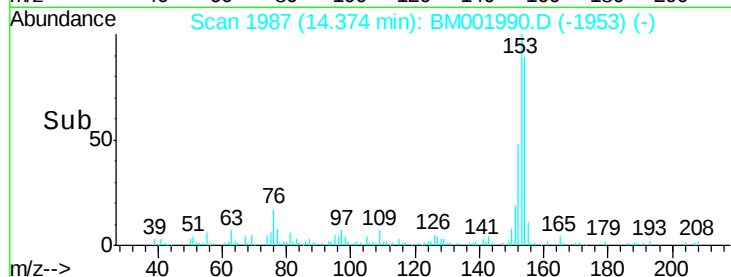
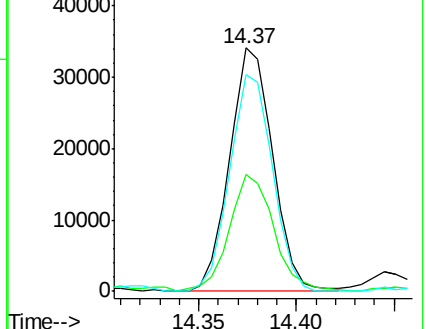
154 88.8 71.1 106.7



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: 1.35 ng/ul

RT: 14.71 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BM001990.D

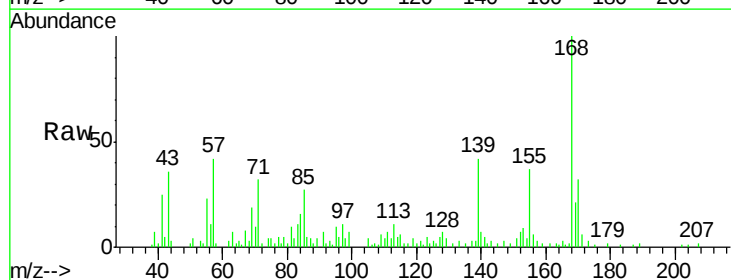
Acq: 21 Jul 2015 01:02

Tgt Ion:168 Resp: 36040

Ion Ratio Lower Upper

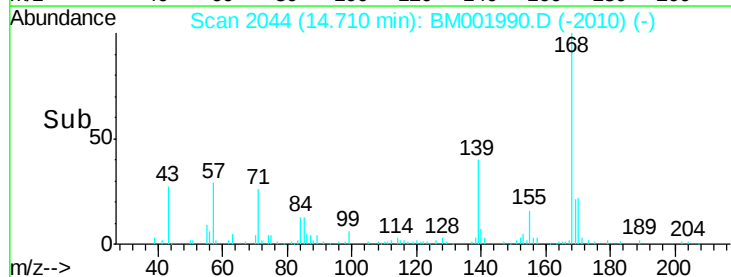
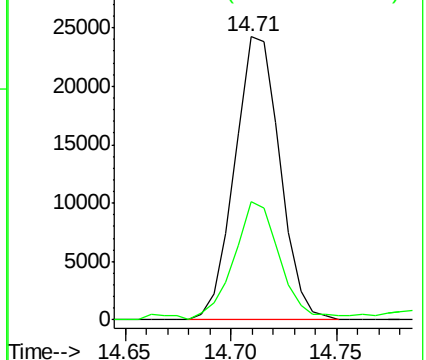
168 100

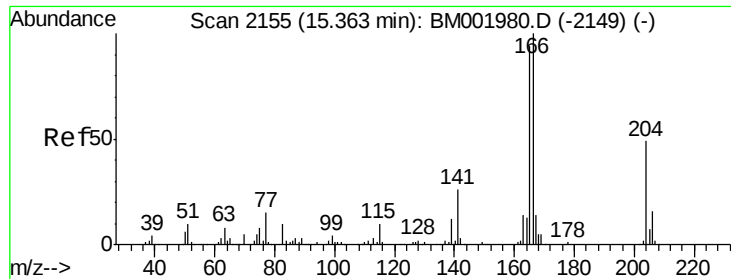
139 41.9 29.2 43.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.30 ng/ul

RT: 15.36 min Scan# 2155

Delta R.T. -0.00 min

Lab File: BM001990.D

Acq: 21 Jul 2015 01:02

Instrument :

BNA_M

ClientSampleId :

C02J3

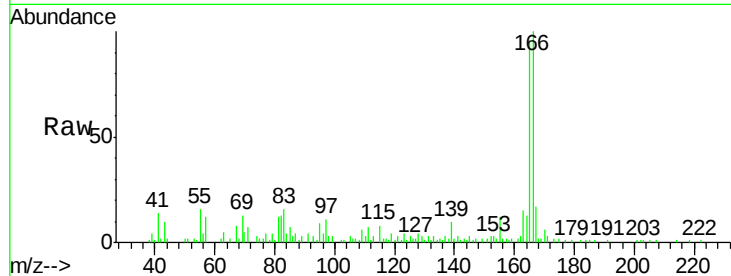
Tgt Ion:166 Resp: 51390

Ion Ratio Lower Upper

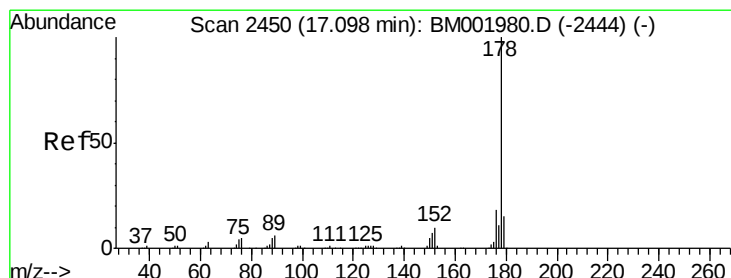
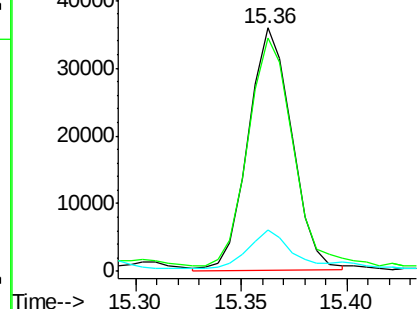
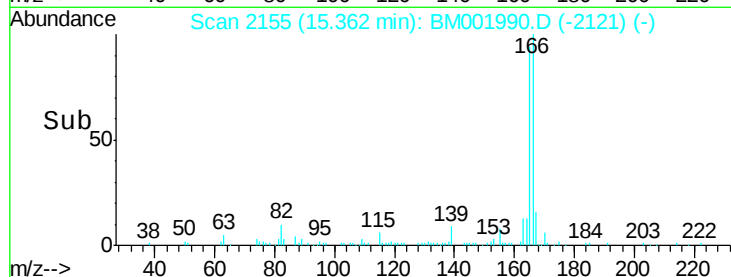
166 100

165 96.1 75.8 113.8

167 17.2 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 10.19 ng/ul

RT: 17.10 min Scan# 2451

Delta R.T. 0.01 min

Lab File: BM001990.D

Acq: 21 Jul 2015 01:02

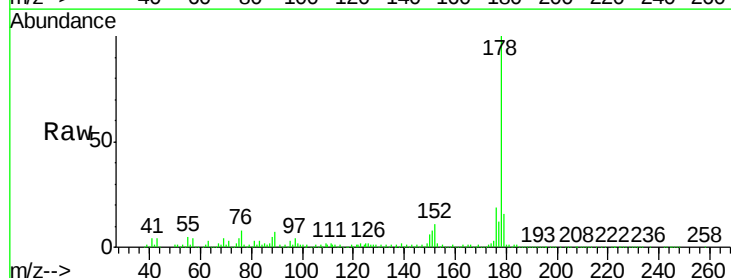
Tgt Ion:178 Resp: 328077

Ion Ratio Lower Upper

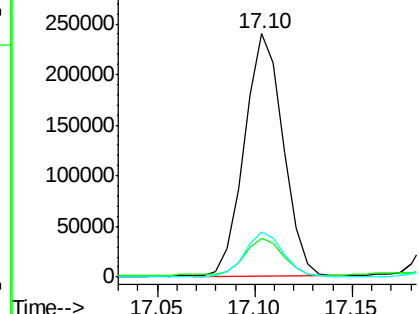
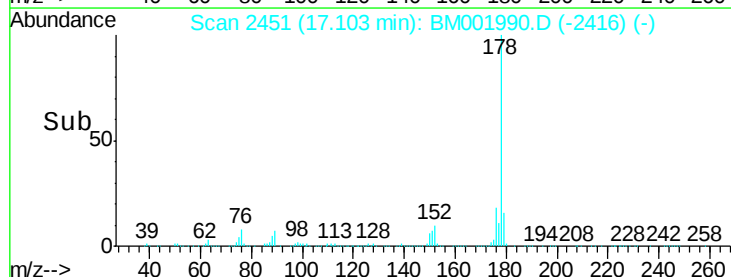
178 100

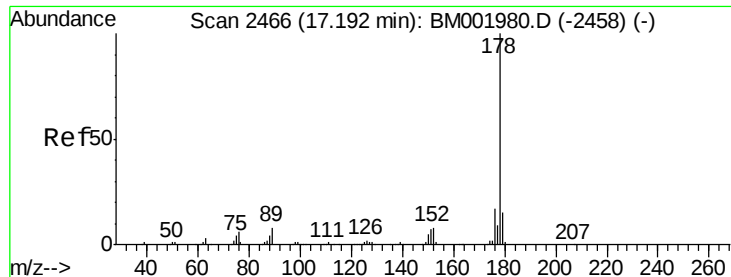
179 16.1 12.2 18.2

176 18.6 14.5 21.7



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

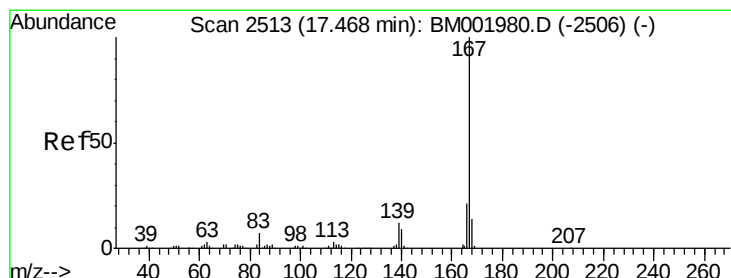
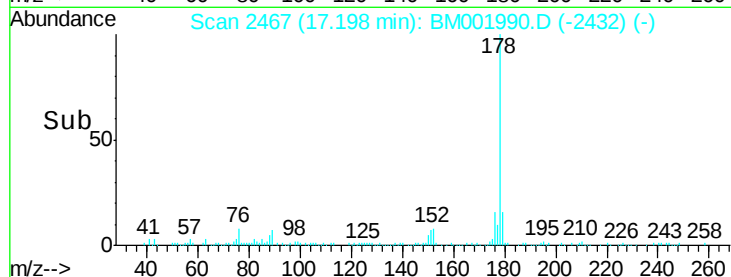
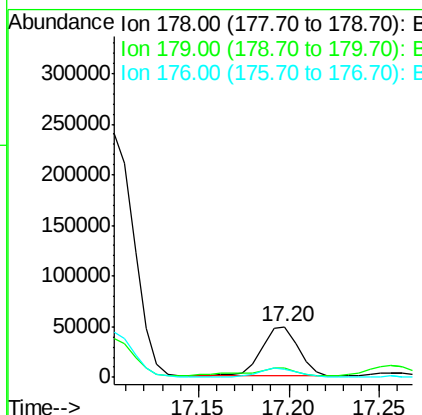
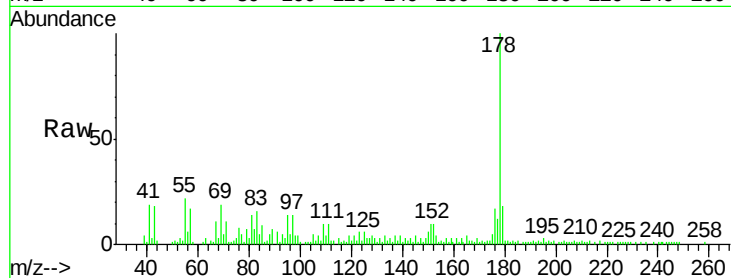




#71
 Anthracene
 Concen: 2.11 ng/ul
 RT: 17.20 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BM001990.D
 Acq: 21 Jul 2015 01:02

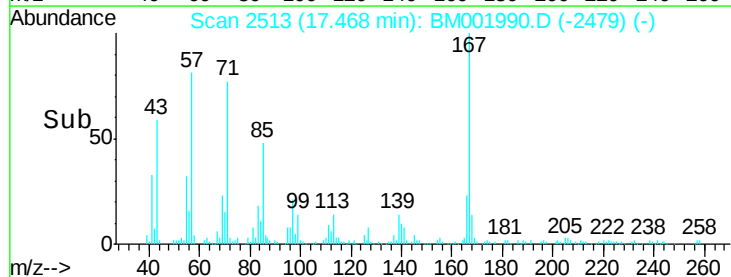
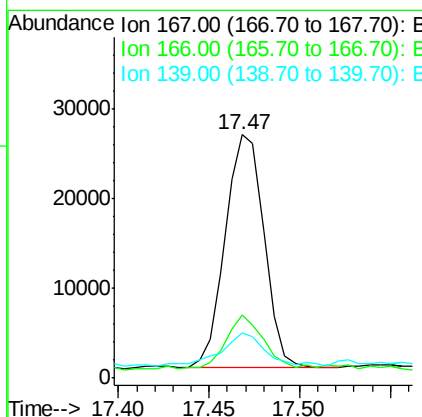
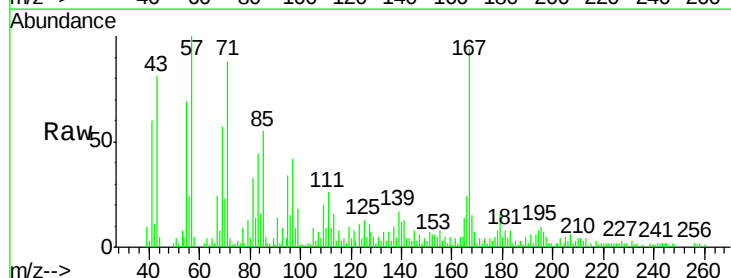
Instrument :
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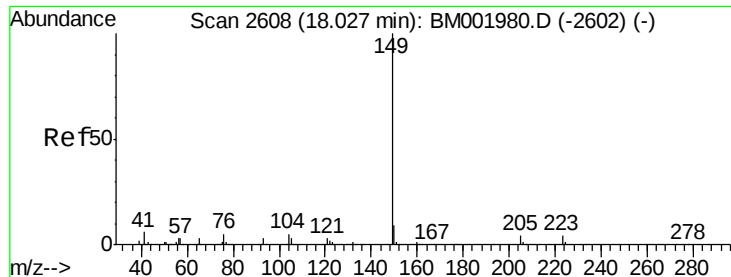
Tgt Ion:178 Resp: 70129
 Ion Ratio Lower Upper
 178 100
 179 17.8 12.4 18.6
 176 16.7 14.2 21.4



#74
 Carbazole
 Concen: 1.35 ng/ul
 RT: 17.47 min Scan# 2513
 Delta R.T. -0.00 min
 Lab File: BM001990.D
 Acq: 21 Jul 2015 01:02

Tgt Ion:167 Resp: 38755
 Ion Ratio Lower Upper
 167 100
 166 25.9 17.1 25.7#
 139 18.4 10.0 15.0#





#75

Di-n-butylphthalate

Concen: 10.23 ng/ul

RT: 18.03 min Scan# 2608

Delta R.T. -0.00 min

Lab File: BM001990.D

Acq: 21 Jul 2015 01:02

Instrument :

BNA_M

ClientSampleId :

C02J3

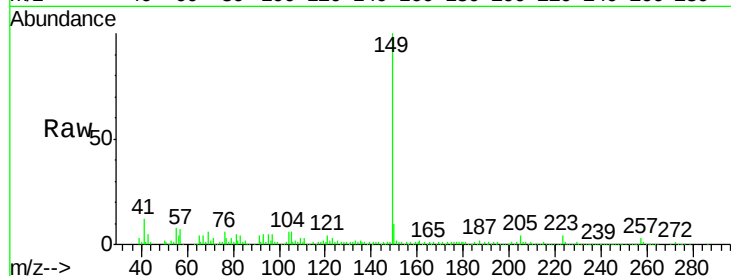
Tgt Ion:149 Resp: 353218

Ion Ratio Lower Upper

149 100

150 9.6 7.3 10.9

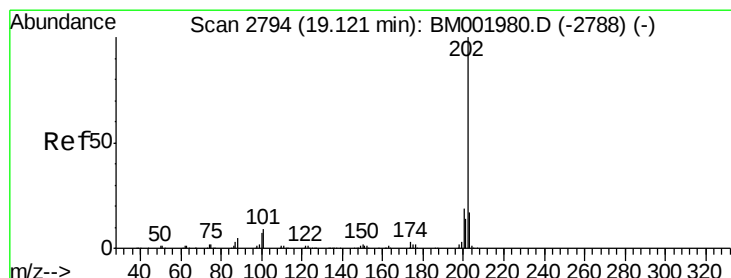
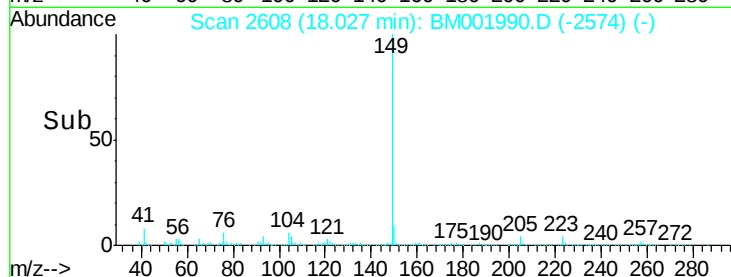
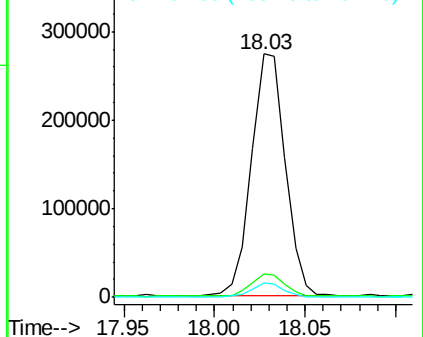
104 5.7 4.5 6.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Fluoranthene

Concen: 9.84 ng/ul

RT: 19.13 min Scan# 2795

Delta R.T. 0.01 min

Lab File: BM001990.D

Acq: 21 Jul 2015 01:02

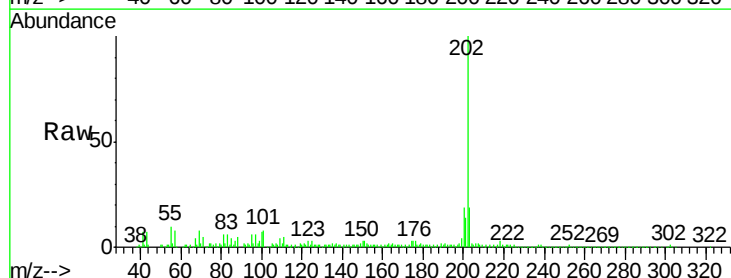
Tgt Ion:202 Resp: 370194

Ion Ratio Lower Upper

202 100

101 8.4 6.6 9.8

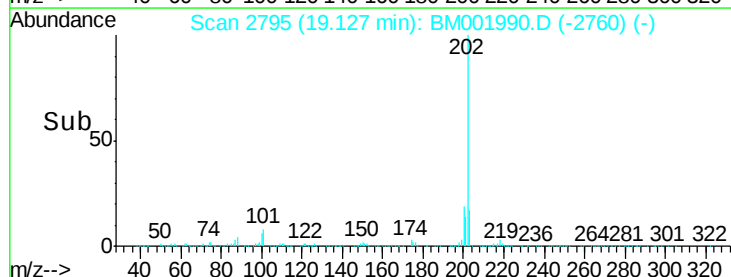
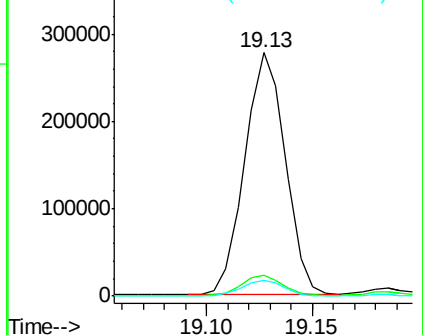
100 6.6 5.2 7.8

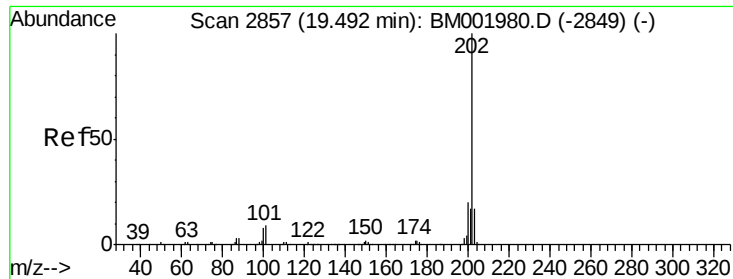


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

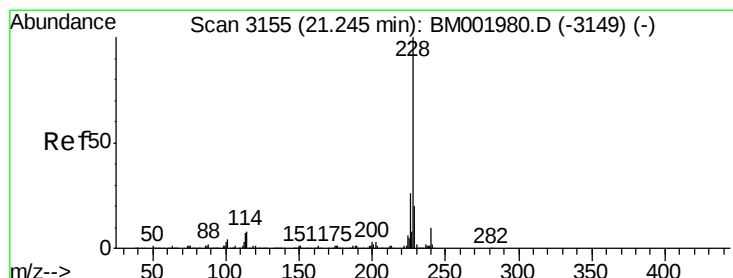
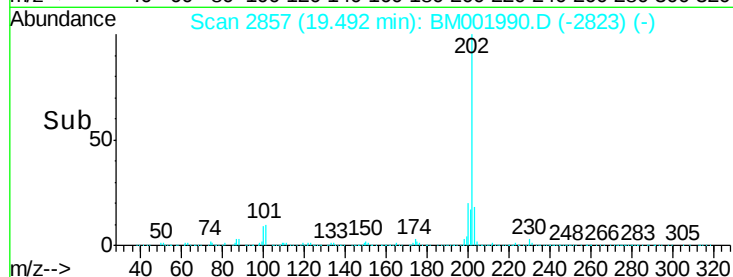
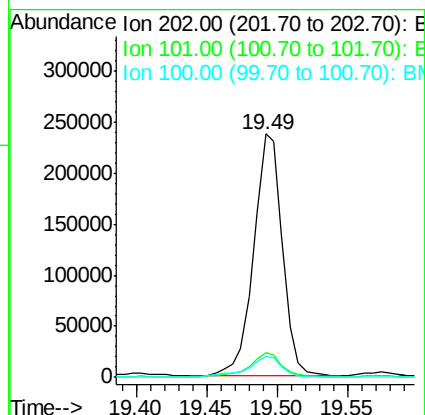
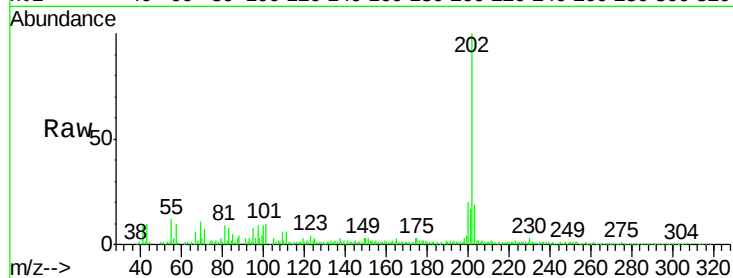




#79
Pyrene
Concen: 11.27 ng/ul
RT: 19.49 min Scan# 2857
Delta R.T. -0.00 min
Lab File: BM001990.D
Acq: 21 Jul 2015 01:02

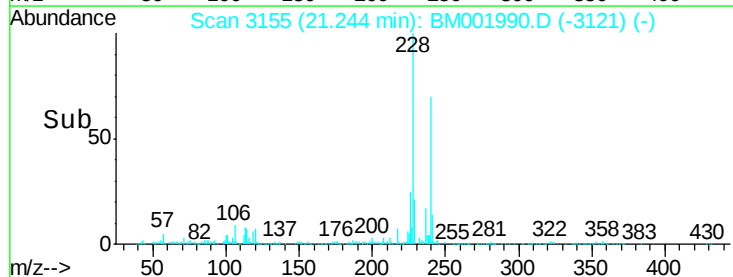
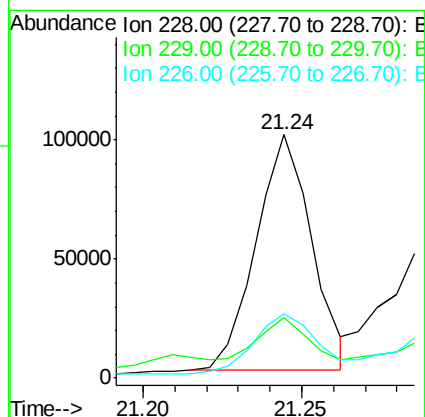
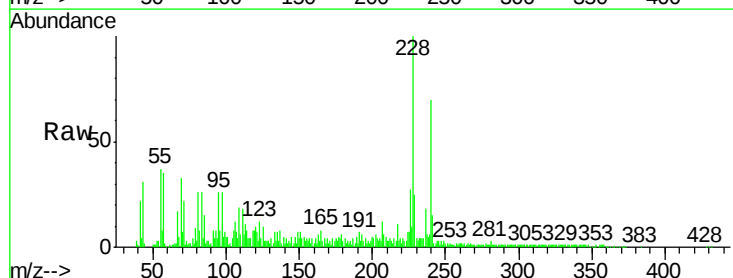
Instrument :
BNA_M
ClientSampleId :
C02J3

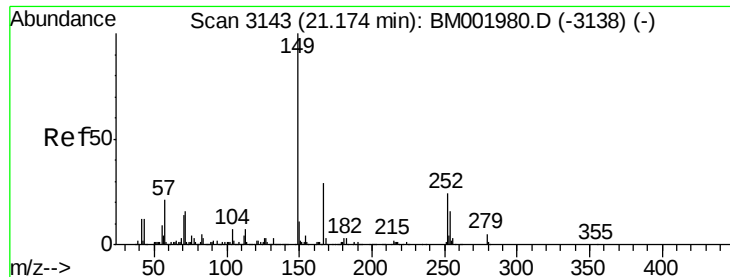
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.4	11.0
100	8.6	5.9	8.9



#82
Benzo(a)anthracene
Concen: 4.05 ng/ul
RT: 21.24 min Scan# 3155
Delta R.T. -0.00 min
Lab File: BM001990.D
Acq: 21 Jul 2015 01:02

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.9	15.2	22.8#
226	26.7	20.8	31.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.58 ng/ul

RT: 21.17 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BM001990.D

Acq: 21 Jul 2015 01:02

Instrument :

BNA_M

ClientSampleId :

C02J3

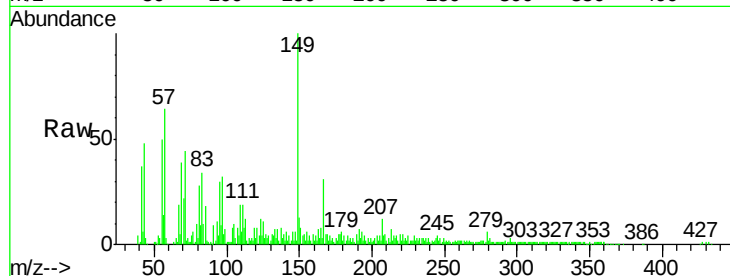
Tgt Ion:149 Resp: 93760

Ion Ratio Lower Upper

149 100

167 31.1 23.4 35.0

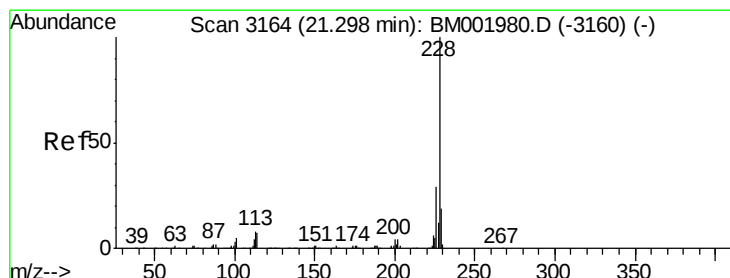
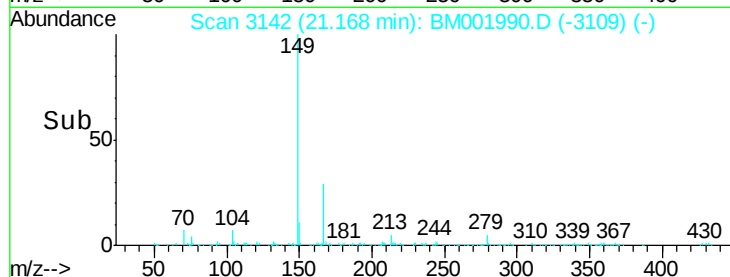
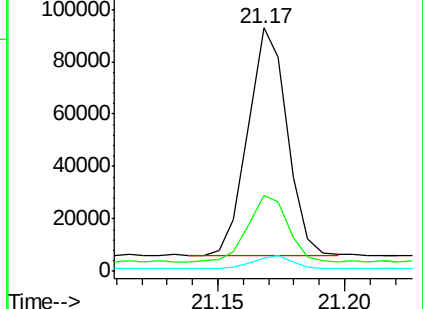
279 5.6 4.0 6.0



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: 4.80 ng/ul

RT: 21.30 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BM001990.D

Acq: 21 Jul 2015 01:02

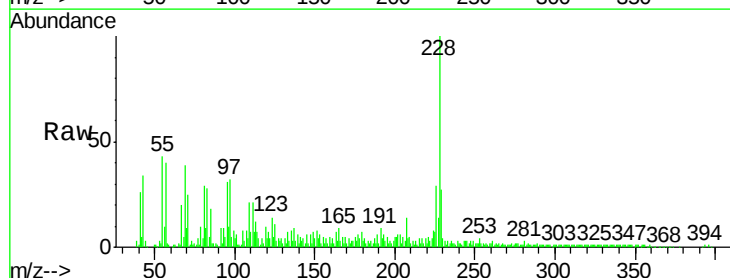
Tgt Ion:228 Resp: 134600

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

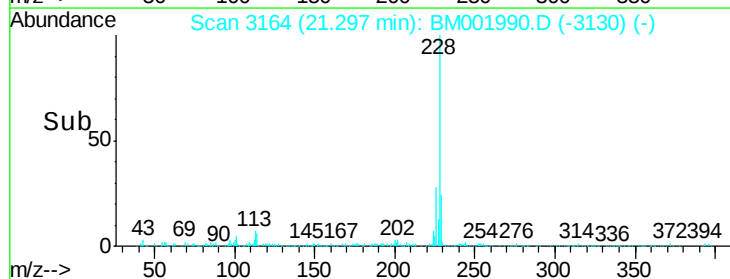
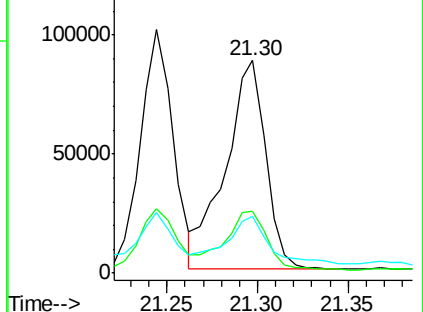
229 26.5 15.4 23.0#

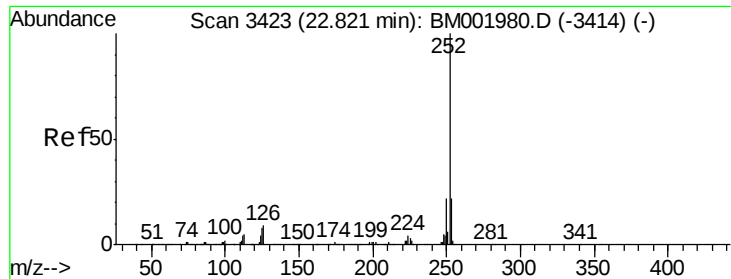


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

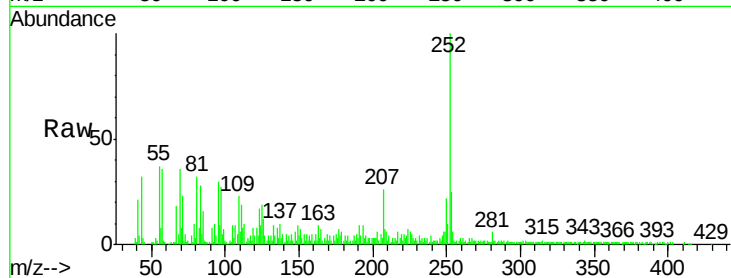




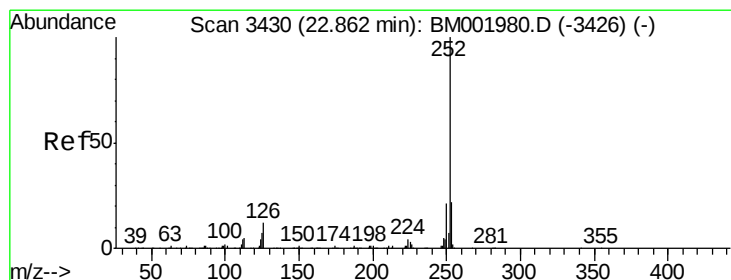
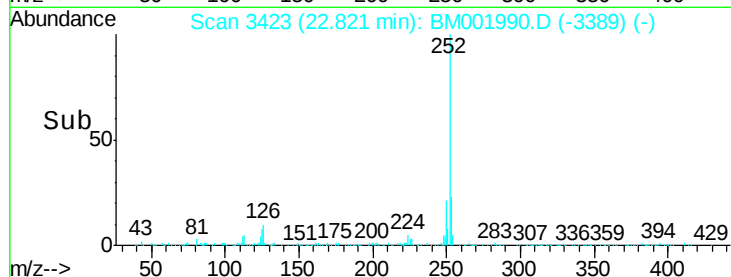
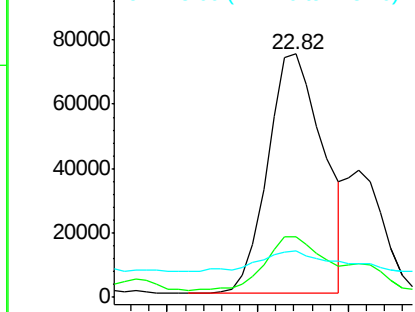
#87
Benzo(b)fluoranthene
Concen: 5.57 ng/ul
RT: 22.82 min Scan# 3423
Delta R.T. -0.00 min
Lab File: BM001990.D
Acq: 21 Jul 2015 01:02

Instrument :
BNA_M
ClientSampleId :
C02J3

Tgt Ion:252 Resp: 159516
Ion Ratio Lower Upper
252 100
253 24.9 17.6 26.4
125 18.9 6.1 9.1#

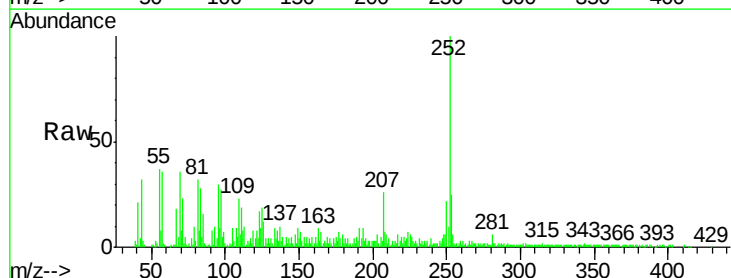


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

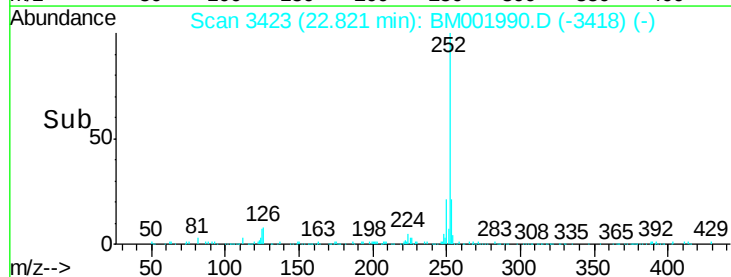
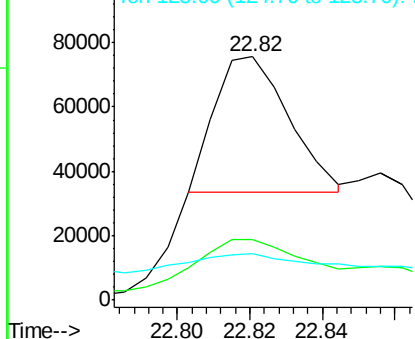


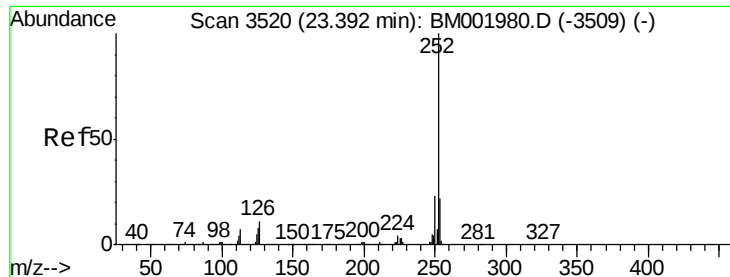
#88
Benzo(k)fluoranthene
Concen: 2.17 ng/ul
RT: 22.82 min Scan# 3423
Delta R.T. -0.04 min
Lab File: BM001990.D
Acq: 21 Jul 2015 01:02

Tgt Ion:252 Resp: 59692
Ion Ratio Lower Upper
252 100
253 24.9 17.1 25.7
125 18.9 5.6 8.4#



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: 3.90 ng/ul

RT: 23.39 min Scan# 3520

Delta R.T. -0.00 min

Lab File: BM001990.D

Acq: 21 Jul 2015 01:02

Instrument :

BNA_M

ClientSampleId :

C02J3

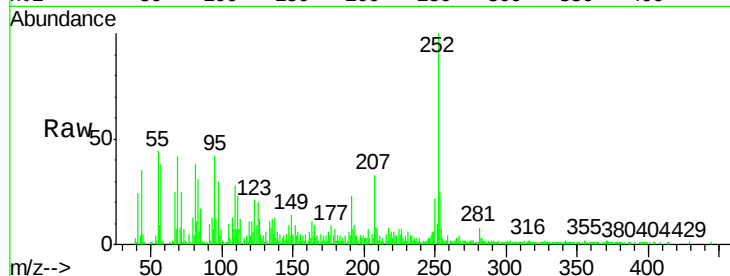
Tgt Ion:252 Resp: 104871

Ion Ratio Lower Upper

252 100

253 24.9 17.4 26.2

125 19.9 6.4 9.6#

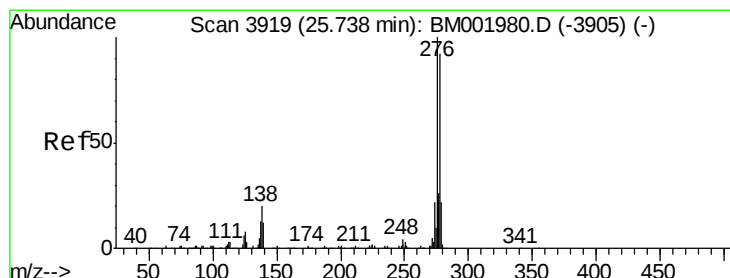
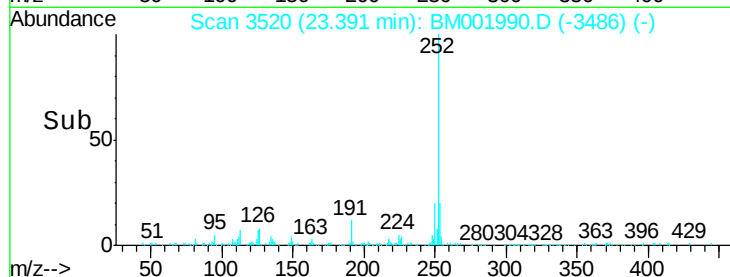
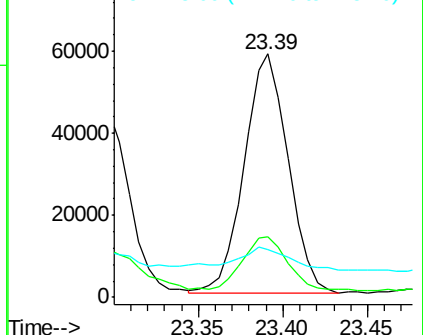


Abundance

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

Indeno(1,2,3-cd)pyrene

Concen: 2.78 ng/ul

RT: 25.73 min Scan# 3918

Delta R.T. -0.01 min

Lab File: BM001990.D

Acq: 21 Jul 2015 01:02

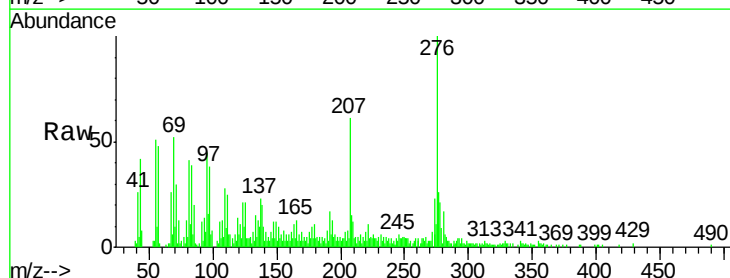
Tgt Ion:276 Resp: 78697

Ion Ratio Lower Upper

276 100

138 20.0 15.4 23.0

277 26.2 19.9 29.9

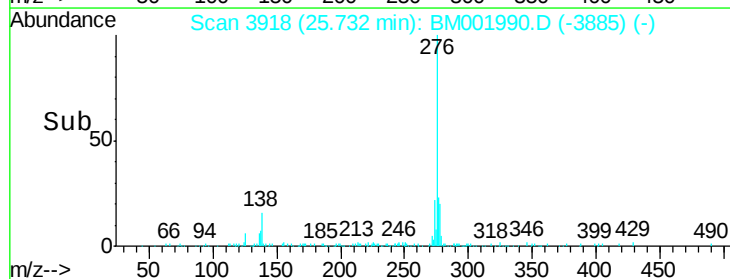
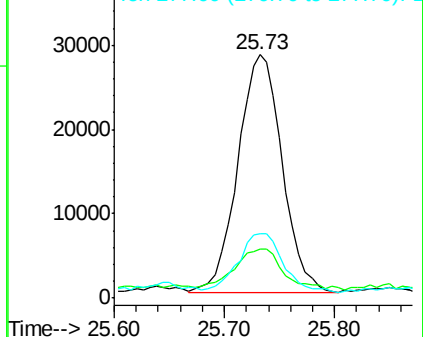


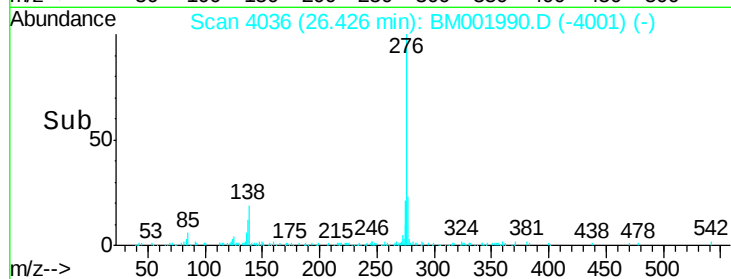
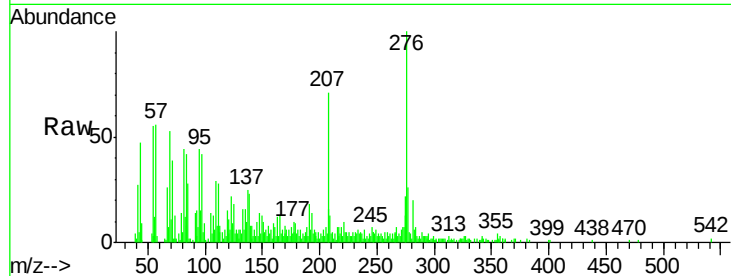
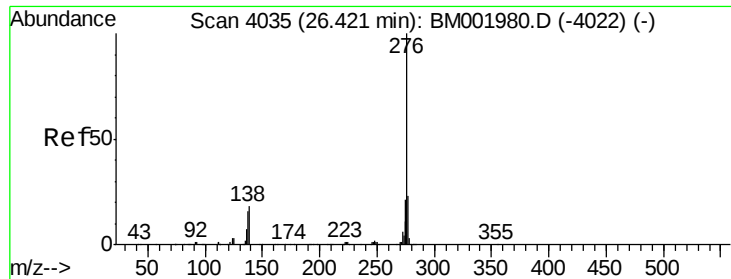
Abundance

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





#93

Benzo(g,h,i)perylene

Concen: 3.23 ng/ul

RT: 26.43 min Scan# 4036

Delta R.T. 0.01 min

Lab File: BM001990.D

Acq: 21 Jul 2015 01:02

Instrument :

BNA_M

ClientSampleId :

C02J3

Tgt Ion:276 Resp: 75082

Ion Ratio Lower Upper

276 100

138 23.0 13.3 19.9#

277 25.6 18.6 27.8

