

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071615\
 Data File : BM001962.D
 Acq On : 17 Jul 2015 00:45
 Operator : TP/UM
 Sample : G2998-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01H0

Quant Time: Jul 17 03:04:15 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 17 01:40:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	87537	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	373775	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.31	164	232051	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	525650	20.00	ng/ul	0.00
77) Chrysene-d12	21.25	240	520568	20.00	ng/ul	0.00
85) Perylene-d12	23.47	264	406897	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	3837	2.14	ng/uL	0.00
5) Phenol-d5	6.82	99	94948	13.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	53965	13.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	76518	13.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	79987	13.63	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	38048	13.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	42795	13.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	85327	13.64	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	61428	9.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.72	166	251960	13.46	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	304279	13.52	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	37165	11.73	ng/ul	0.00
57) Fluorene-d10	15.30	176	215789	13.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	16980	4.99	ng/ul	0.00
70) Anthracene-d10	17.16	188	317118	12.85	ng/ul	0.00
78) Pyrene-d10	19.46	212	335207	14.10	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	218645	10.63	ng/ul	0.00

Target Compounds

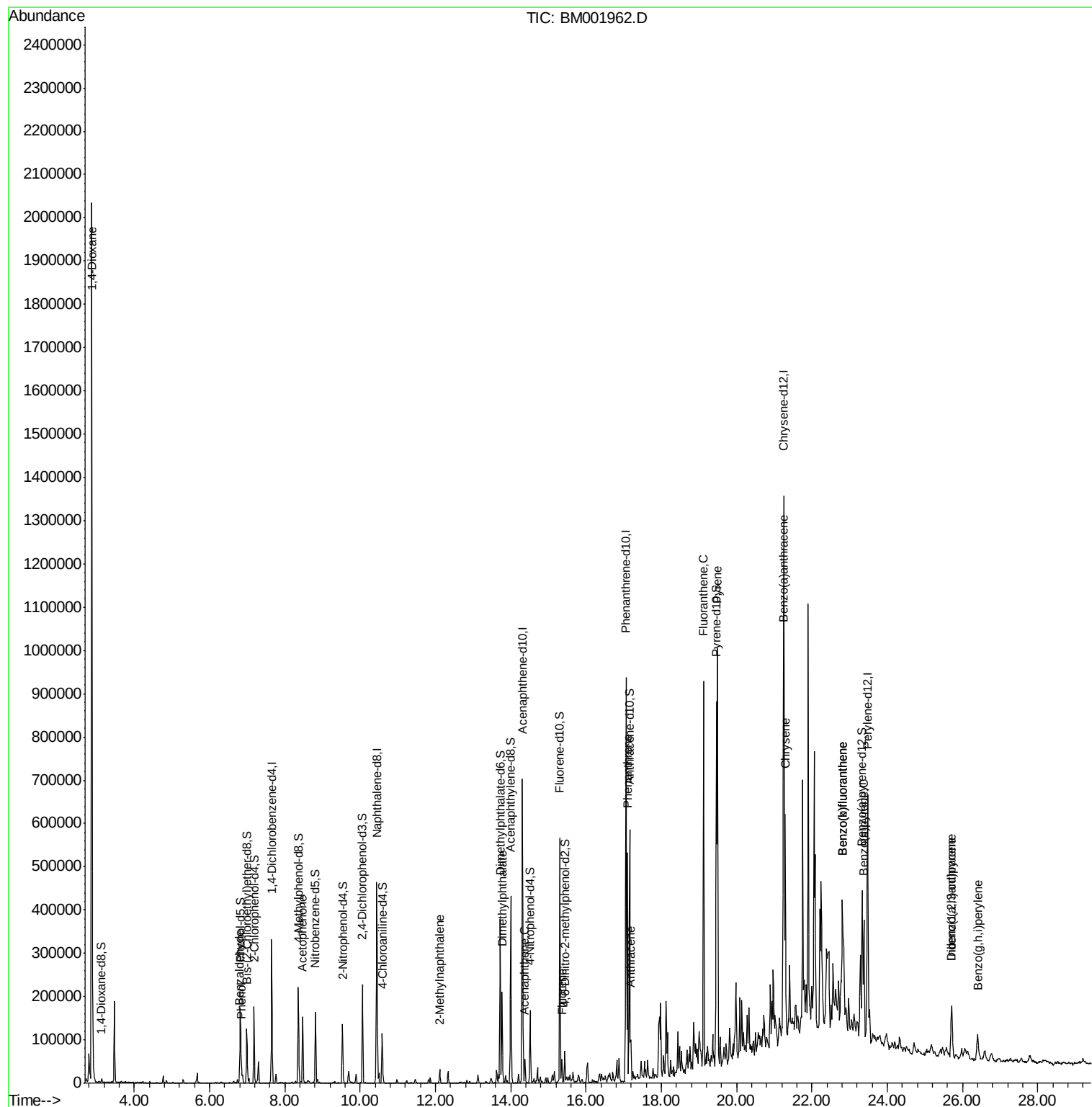
					Qvalue
2) 1,4-Dioxane	2.87	88	15769	8.35 ng/uL#	1
4) Benzaldehyde	6.80	77	5419	1.57 ng/ul#	81
6) Phenol	6.85	94	15426	2.09 ng/ul	92
14) Acetophenone	8.47	105	83091	8.96 ng/ul	99
34) 2-Methylnaphthalene	12.11	142	16522	1.18 ng/ul	96
44) Dimethylphthalate	13.77	163	134028	7.04 ng/ul	99
49) Acenaphthene	14.37	153	23453	1.52 ng/ul	98
58) Fluorene	15.36	166	19941	1.07 ng/ul	99
69) Phenanthrene	17.10	178	326995	11.48 ng/ul	100
71) Anthracene	17.19	178	66759	2.27 ng/ul	98
76) Fluoranthene	19.12	202	516005	15.50 ng/ul	99
79) Pyrene	19.49	202	602869	19.36 ng/ul	99
82) Benzo(a)anthracene	21.23	228	257129	8.30 ng/ul	97
84) Chrysene	21.29	228	269883	9.30 ng/ul	97
87) Benzo(b)fluoranthene	22.80	252	267404	10.72 ng/ul	98
88) Benzo(k)fluoranthene	22.80	252	182314	7.60 ng/ul#	96
90) Benzo(a)pyrene	23.37	252	193012	8.24 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.71	276	110716	4.50 ng/ul	97
92) Dibenzo(a,h)anthracene	25.71	278	30520	1.47 ng/ul#	85
93) Benzo(g,h,i)perylene	26.40	276	76134	3.77 ng/ul	99

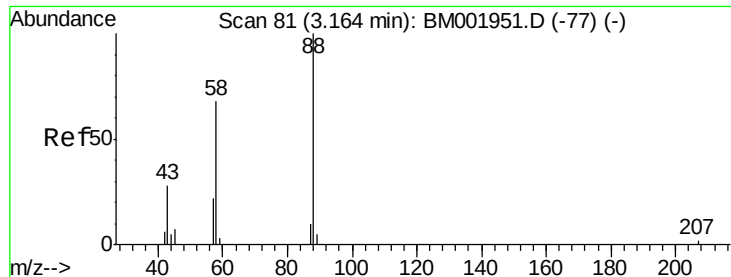
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 8.35 ng/uL

RT: 2.87 min Scan# 31

Delta R.T. -0.29 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

Instrument :

BNA_M

ClientSampled :

C01H0

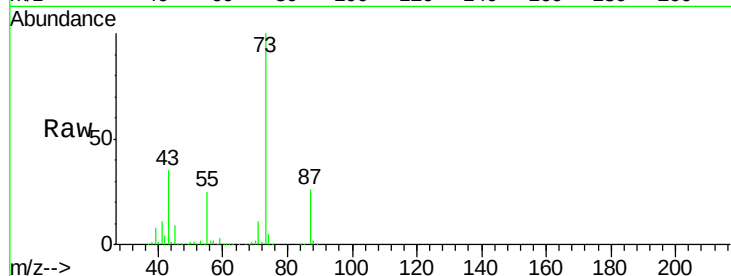
Tgt Ion: 88 Resp: 15769

Ion Ratio Lower Upper

88 100

43 2330.3 22.1 33.1#

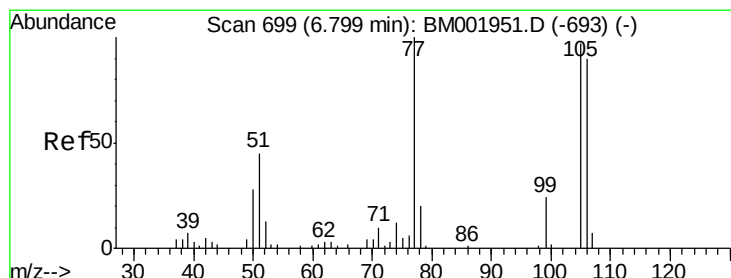
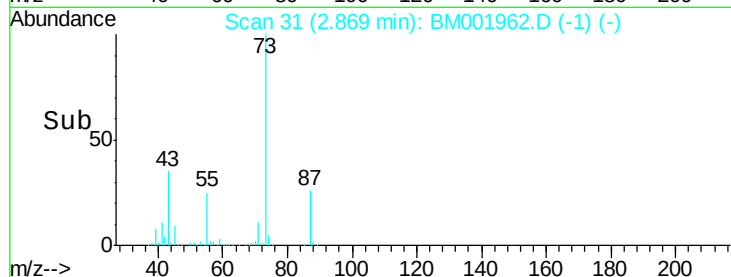
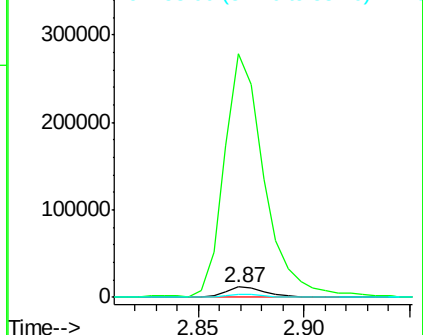
58 29.0 54.9 82.3#



Abundance Ion 88.00 (87.70 to 88.70): BM001951.D (-77) (-)

Ion 43.00 (42.70 to 43.70): BM001951.D (-77) (-)

Ion 58.00 (57.70 to 58.70): BM001951.D (-77) (-)



#4

Benzaldehyde

Concen: 1.57 ng/uL

RT: 6.80 min Scan# 699

Delta R.T. -0.00 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

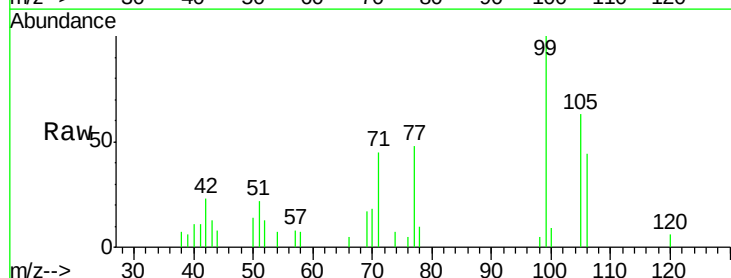
Tgt Ion: 77 Resp: 5419

Ion Ratio Lower Upper

77 100

105 131.9 77.1 115.7#

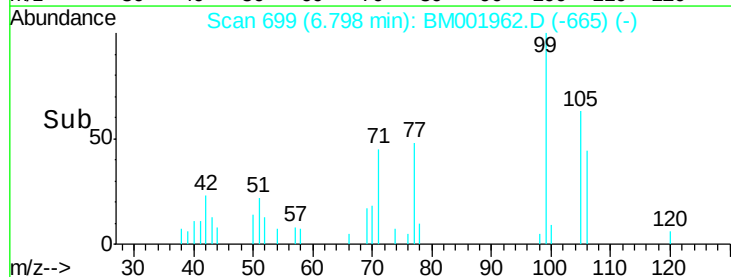
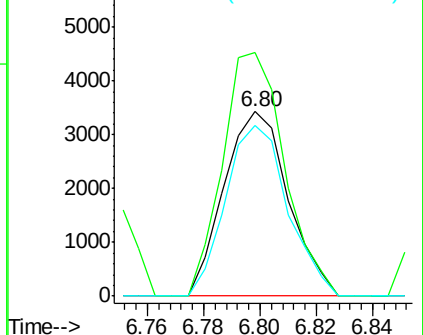
106 92.2 73.1 109.7

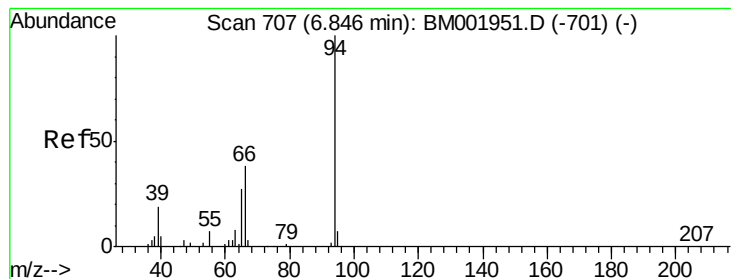


Abundance Ion 77.00 (76.70 to 77.70): BM001951.D (-693) (-)

Ion 105.00 (104.70 to 105.70): BM001951.D (-693) (-)

Ion 106.00 (105.70 to 106.70): BM001951.D (-693) (-)





#6

Phenol

Concen: 2.09 ng/ul

RT: 6.85 min Scan# 707

Delta R.T. -0.00 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

Instrument :

BNA_M

ClientSampleId :

C01H0

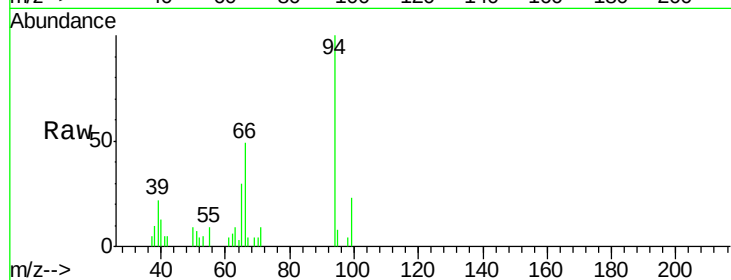
Tgt Ion: 94 Resp: 15426

Ion Ratio Lower Upper

94 100

65 30.2 23.6 35.4

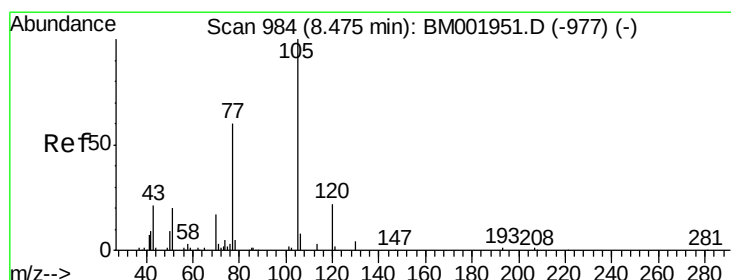
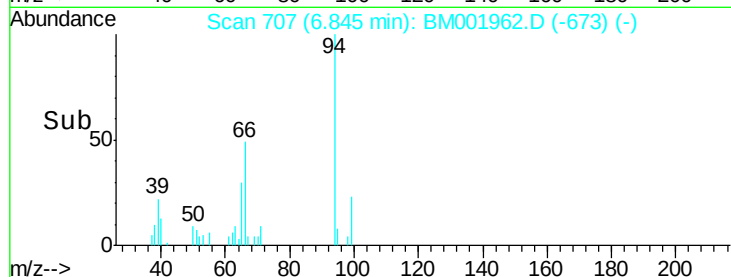
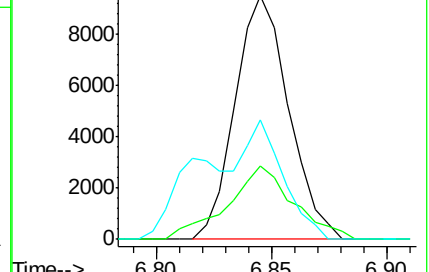
66 49.1 33.0 49.6



Abundance Ion 94.00 (93.70 to 94.70): BM001951.D (-701) (-)

Ion 65.00 (64.70 to 65.70): BM001951.D (-701) (-)

Ion 66.00 (65.70 to 66.70): BM001951.D (-701) (-)



#14

Acetophenone

Concen: 8.96 ng/ul

RT: 8.47 min Scan# 984

Delta R.T. -0.00 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

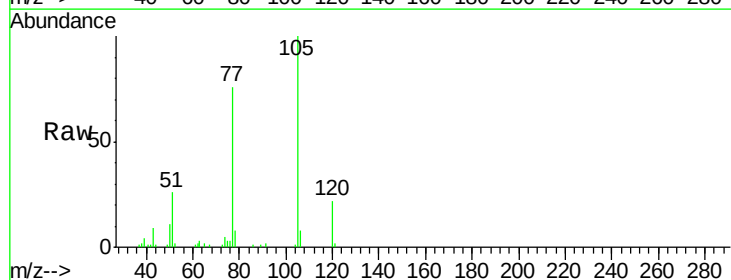
Tgt Ion: 105 Resp: 83091

Ion Ratio Lower Upper

105 100

77 76.4 61.7 92.5

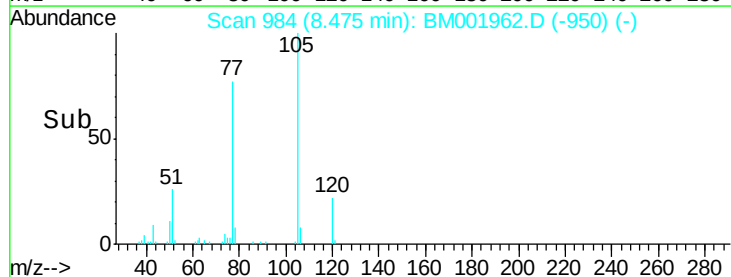
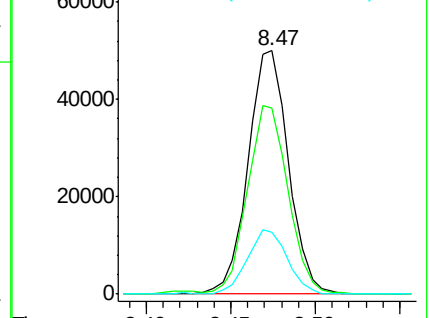
51 25.6 20.2 30.4

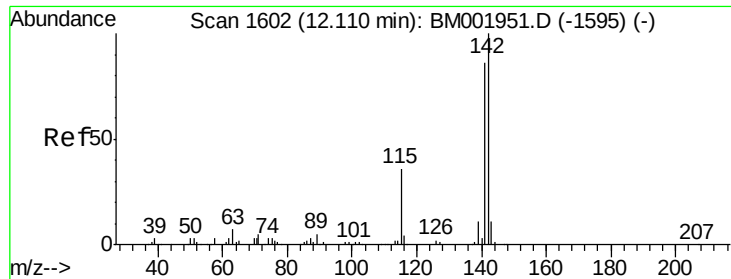


Abundance Ion 105.00 (104.70 to 105.70): BM001951.D (-977) (-)

Ion 77.00 (76.70 to 77.70): BM001951.D (-977) (-)

Ion 51.00 (50.70 to 51.70): BM001951.D (-977) (-)





#34

2-Methylnaphthalene

Concen: 1.18 ng/ul

RT: 12.11 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

Instrument :

BNA_M

ClientSampled :

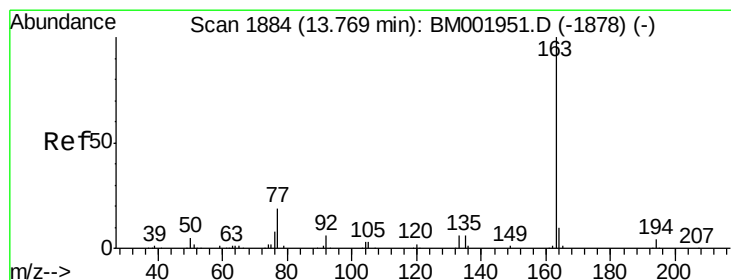
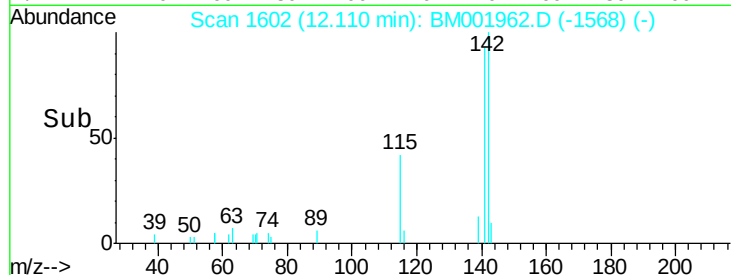
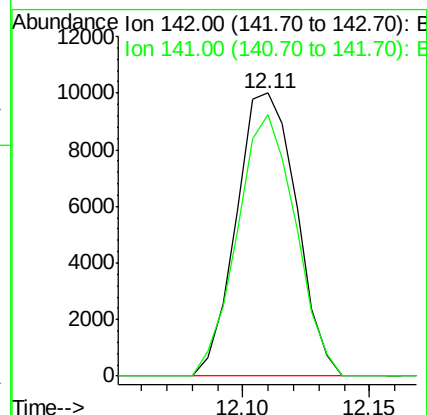
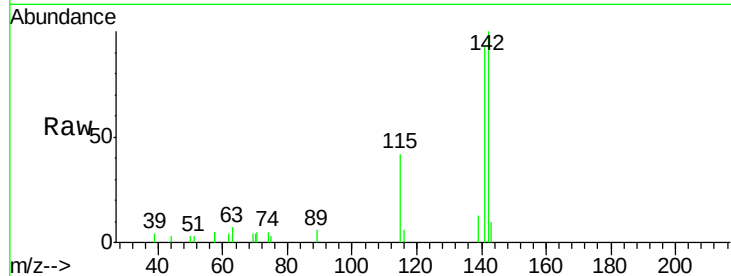
C01H0

Tgt Ion:142 Resp: 16522

Ion Ratio Lower Upper

142 100

141 92.6 71.3 106.9



#44

Dimethylphthalate

Concen: 7.04 ng/ul

RT: 13.77 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

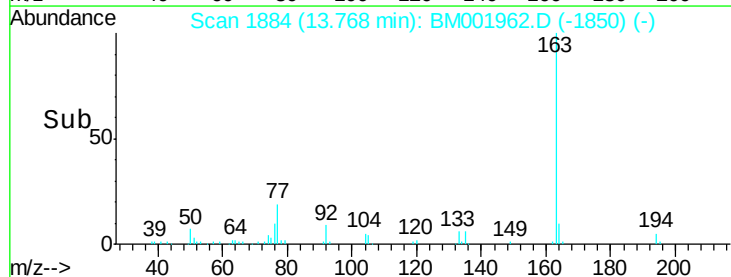
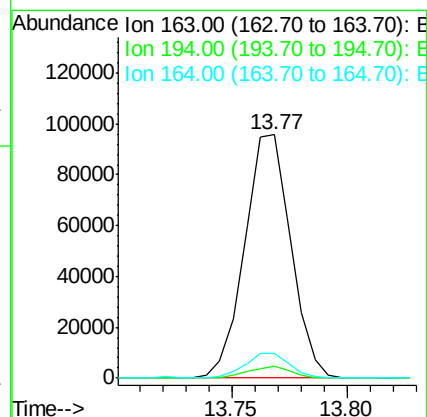
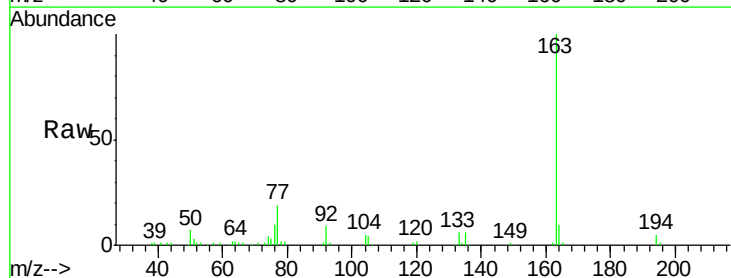
Tgt Ion:163 Resp: 134028

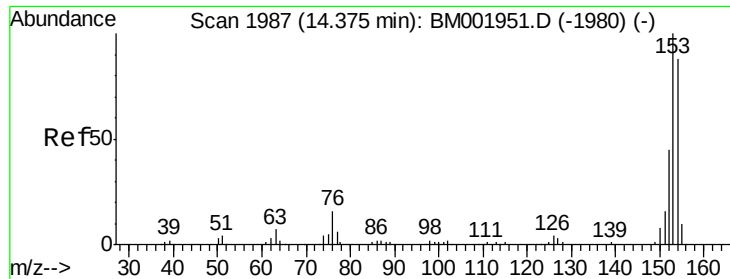
Ion Ratio Lower Upper

163 100

194 4.7 3.3 4.9

164 9.9 7.6 11.4





#49

Acenaphthene

Concen: 1.52 ng/ul

RT: 14.37 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

Instrument :

BNA_M

ClientSampleId :

C01H0

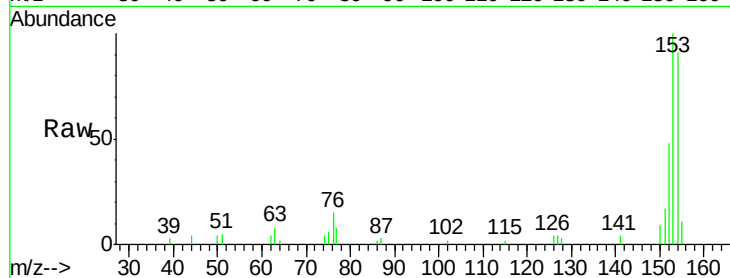
Tgt Ion:153 Resp: 23453

Ion Ratio Lower Upper

153 100

152 47.6 36.6 55.0

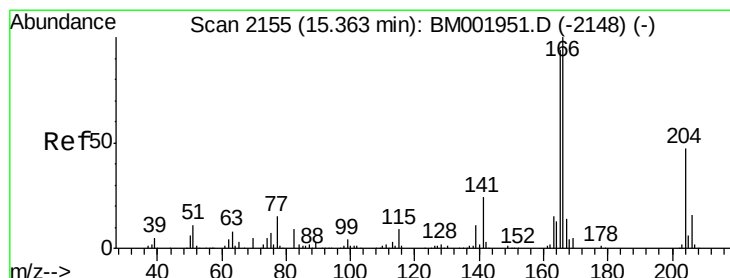
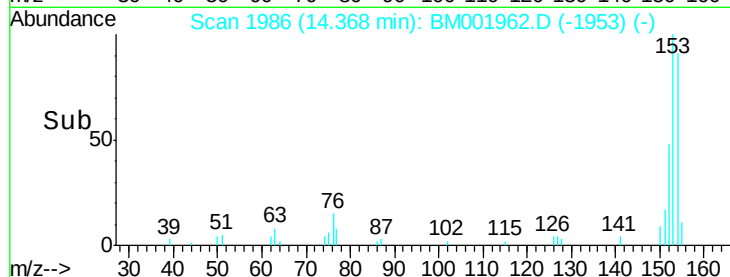
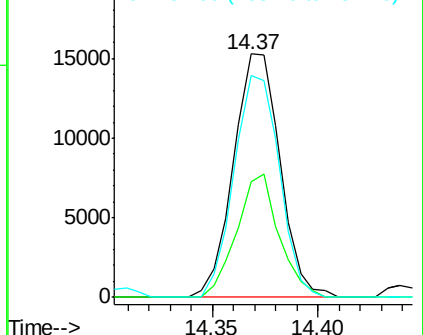
154 91.1 71.1 106.7



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



#58

Fluorene

Concen: 1.07 ng/ul

RT: 15.36 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

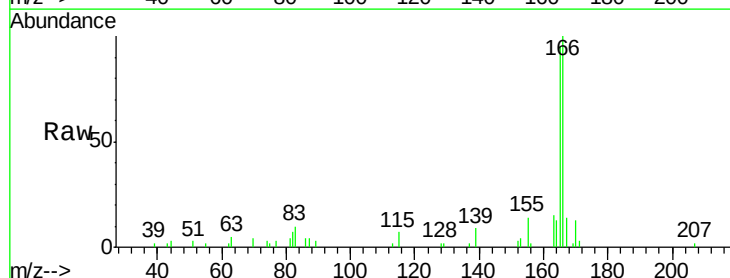
Tgt Ion:166 Resp: 19941

Ion Ratio Lower Upper

166 100

165 95.3 75.8 113.8

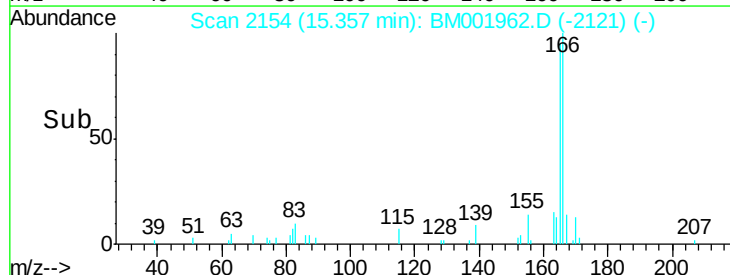
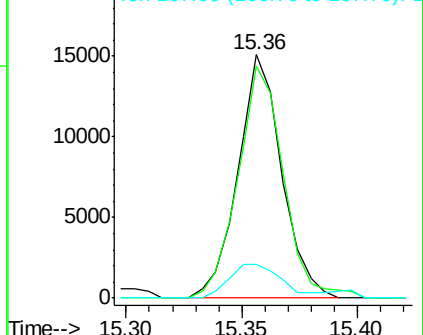
167 14.0 10.7 16.1

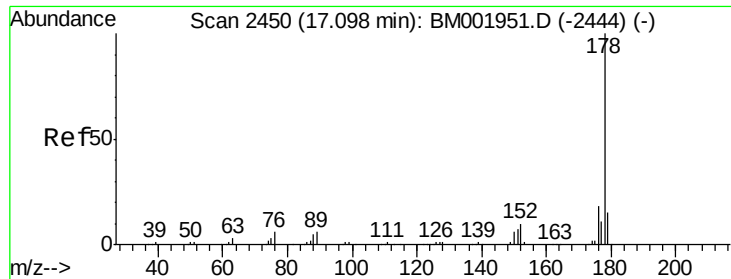


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 11.48 ng/ul

RT: 17.10 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

Instrument :

BNA_M

ClientSampleId :

C01H0

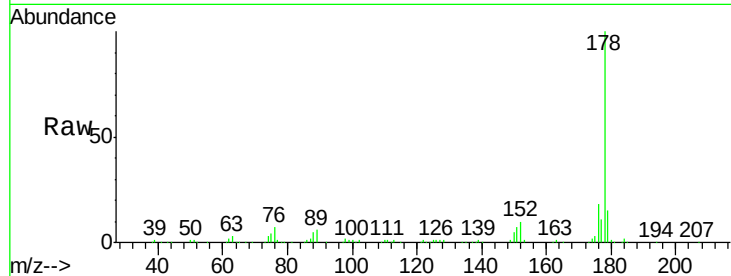
Tgt Ion:178 Resp: 326995

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

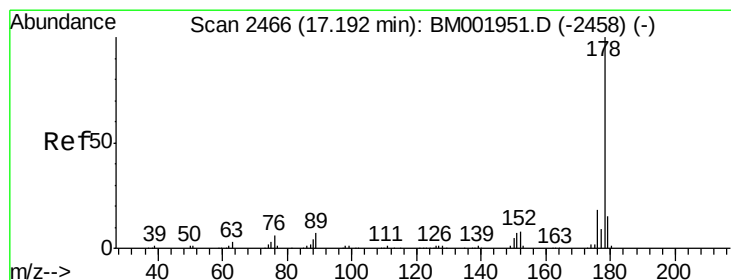
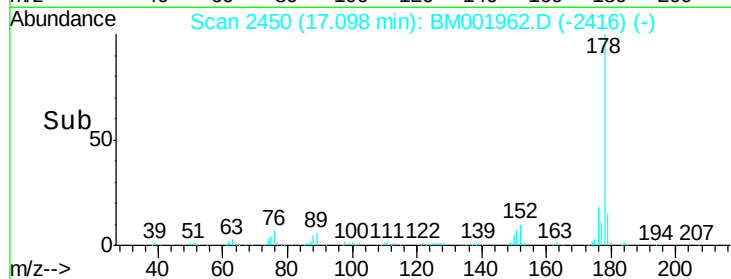
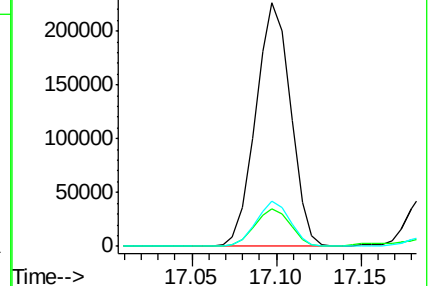
176 18.4 14.5 21.7



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: 2.27 ng/ul

RT: 17.19 min Scan# 2465

Delta R.T. -0.01 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

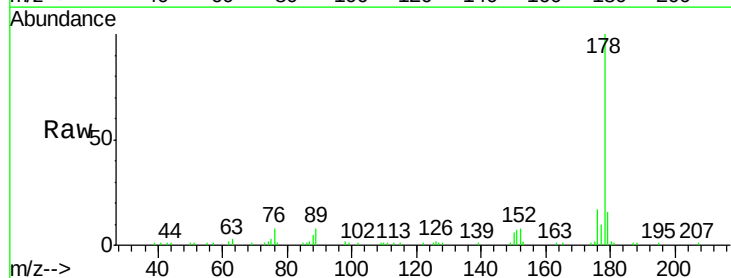
Tgt Ion:178 Resp: 66759

Ion Ratio Lower Upper

178 100

179 16.0 12.4 18.6

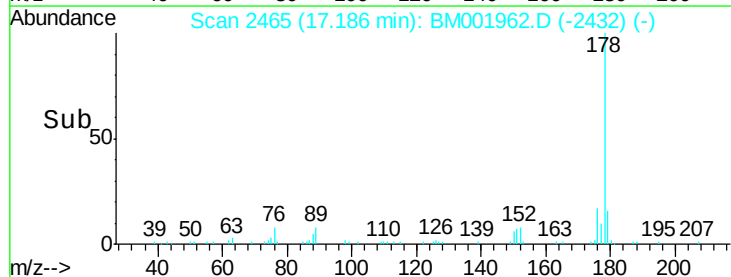
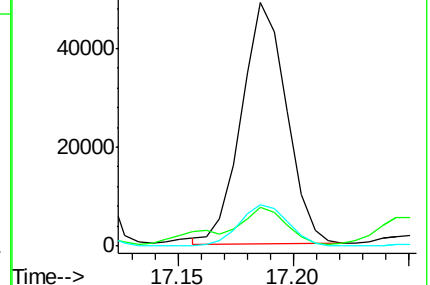
176 16.8 14.2 21.4

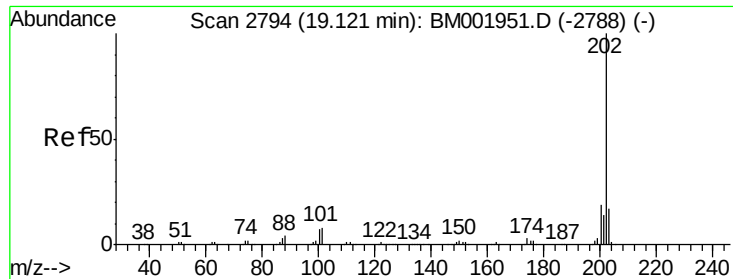


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 15.50 ng/ul

RT: 19.12 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

Instrument :

BNA_M

ClientSampleId :

C01H0

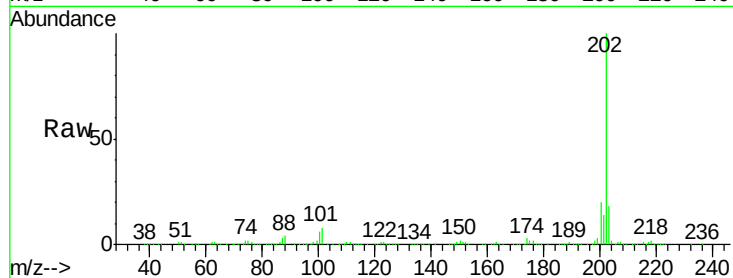
Tgt Ion:202 Resp: 516005

Ion Ratio Lower Upper

202 100

101 7.9 6.6 9.8

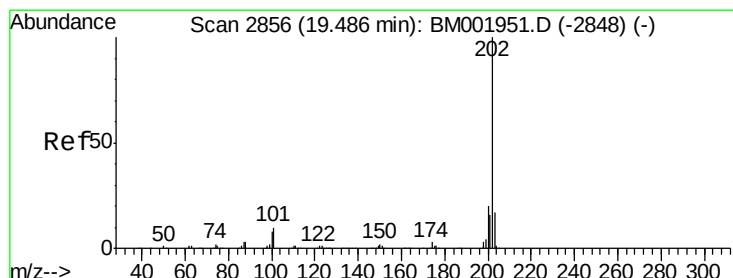
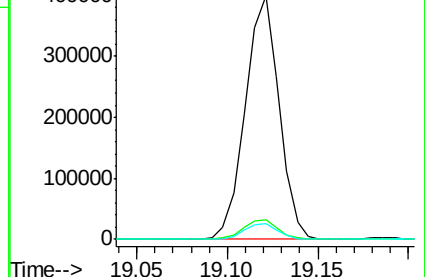
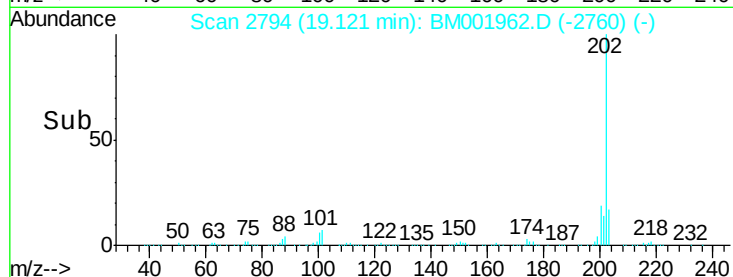
100 6.2 5.2 7.8



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: 19.36 ng/ul

RT: 19.49 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

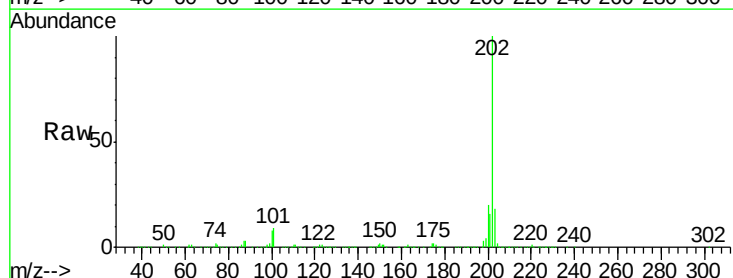
Tgt Ion:202 Resp: 602869

Ion Ratio Lower Upper

202 100

101 9.3 7.4 11.0

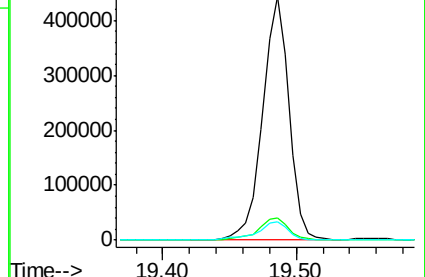
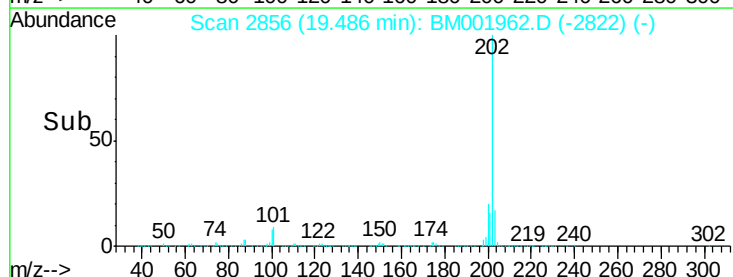
100 7.7 5.9 8.9

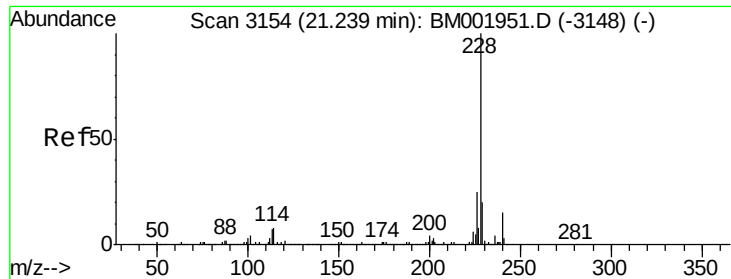


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

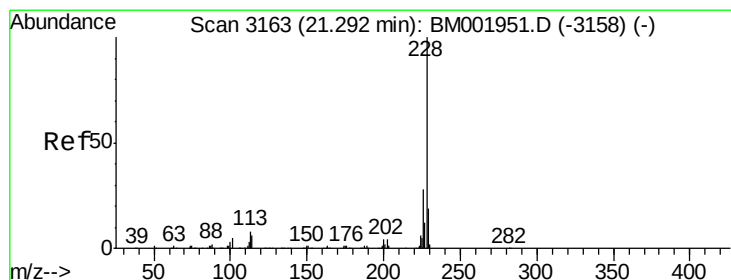
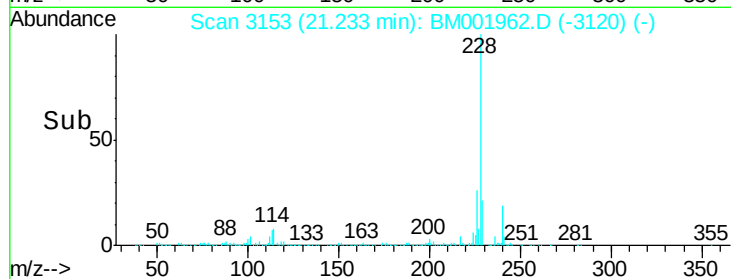
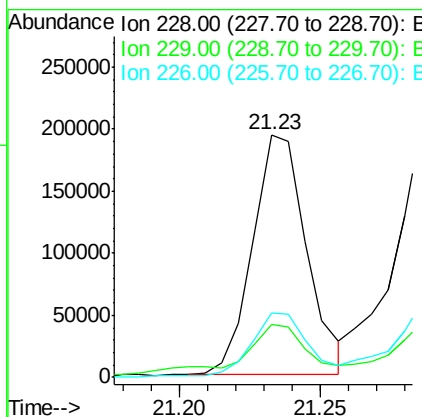
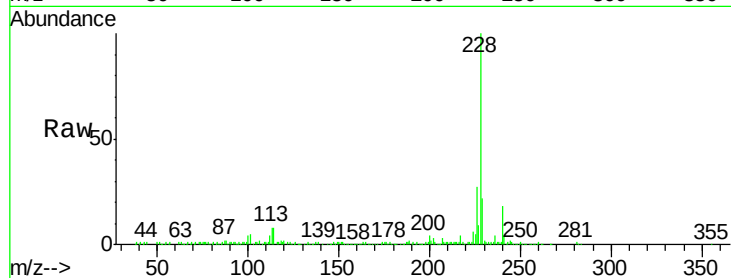




#82
Benzo(a)anthracene
Concen: 8.30 ng/ul
RT: 21.23 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BM001962.D
Acq: 17 Jul 2015 00:45

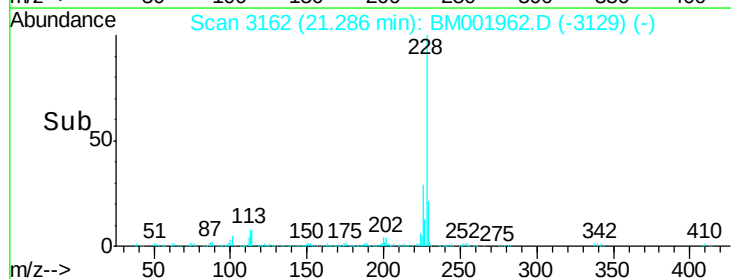
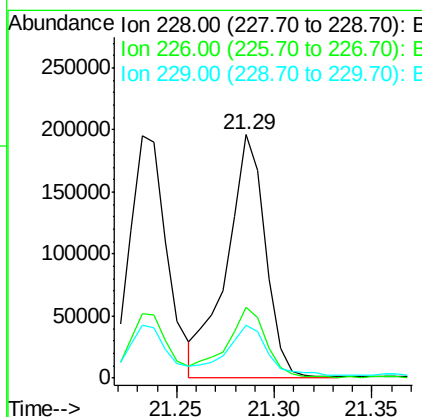
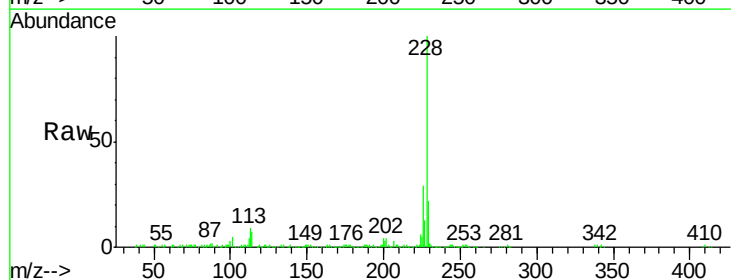
Instrument :
BNA_M
ClientSampleId :
C01H0

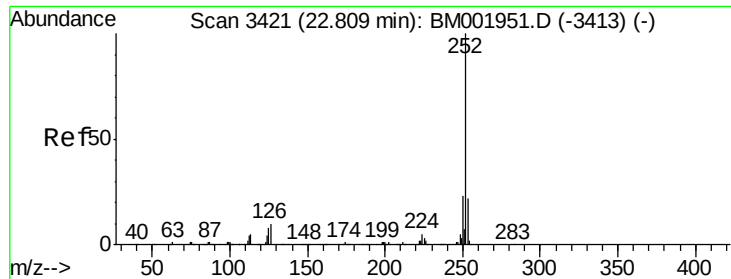
Tgt Ion:228 Resp: 257129
Ion Ratio Lower Upper
228 100
229 21.9 15.2 22.8
226 26.6 20.8 31.2



#84
Chrysene
Concen: 9.30 ng/ul
RT: 21.29 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BM001962.D
Acq: 17 Jul 2015 00:45

Tgt Ion:228 Resp: 269883
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 21.9 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 10.72 ng/ul

RT: 22.80 min Scan# 3420

Delta R.T. -0.01 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

Instrument :

BNA_M

ClientSampleId :

C01H0

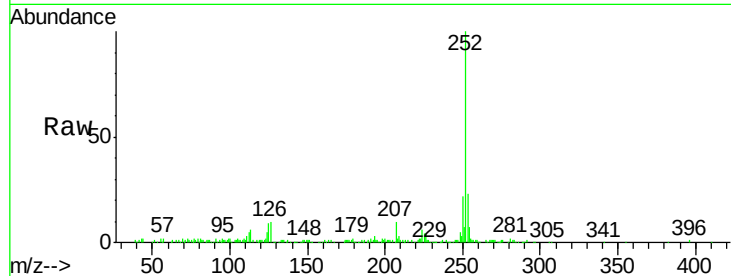
Tgt Ion:252 Resp: 267404

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

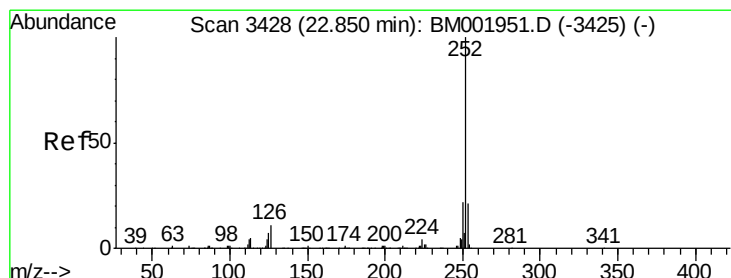
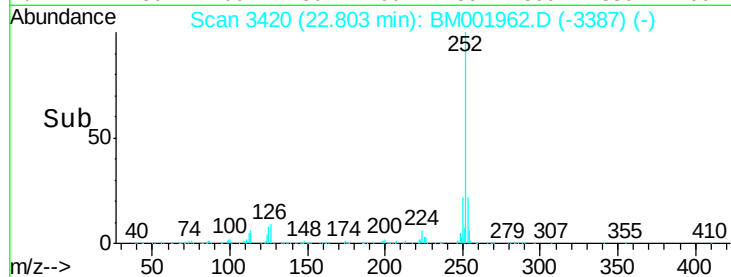
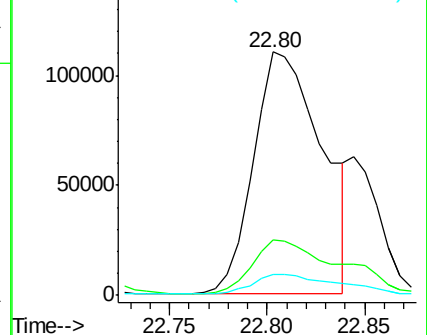
125 8.6 6.1 9.1



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: 7.60 ng/ul

RT: 22.80 min Scan# 3420

Delta R.T. -0.05 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

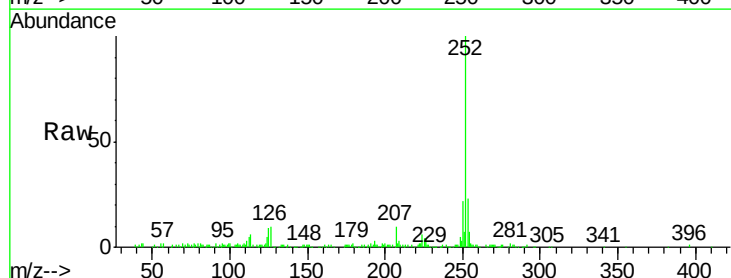
Tgt Ion:252 Resp: 182314

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

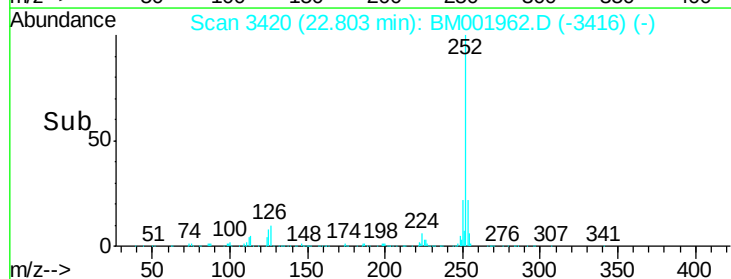
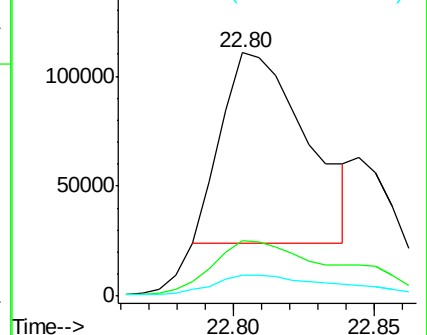
125 8.6 5.6 8.4#

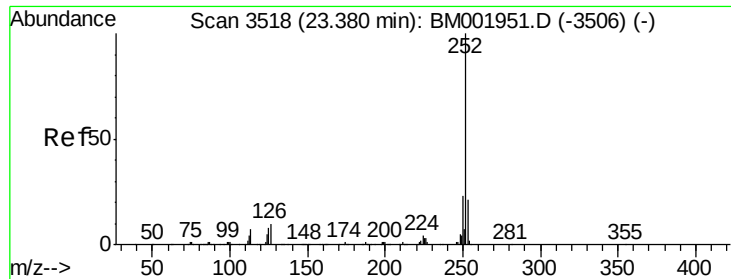


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 8.24 ng/ul

RT: 23.37 min Scan# 3517

Delta R.T. -0.01 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

Instrument :

BNA_M

ClientSampleId :

C01H0

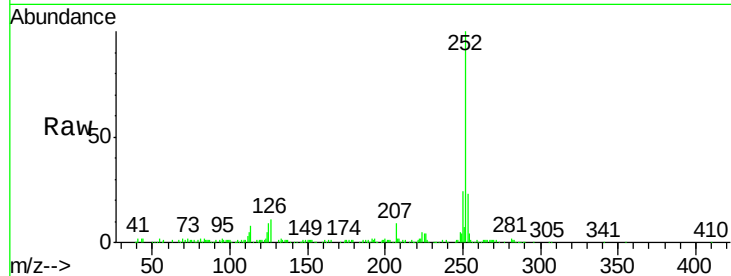
Tgt Ion:252 Resp: 193012

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

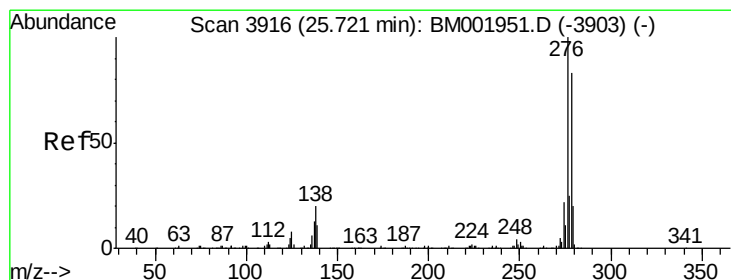
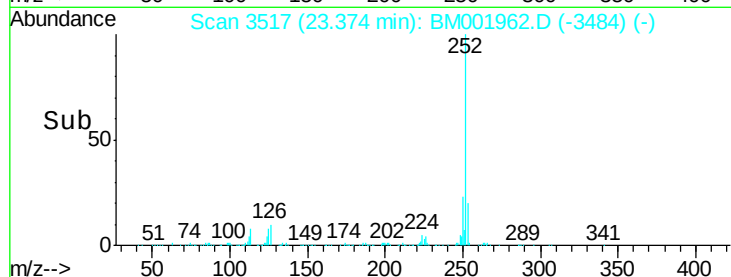
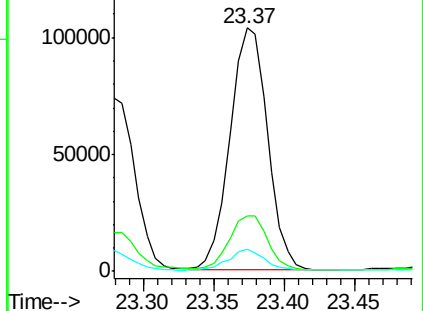
125 8.9 6.4 9.6



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: 4.50 ng/ul

RT: 25.71 min Scan# 3914

Delta R.T. -0.01 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

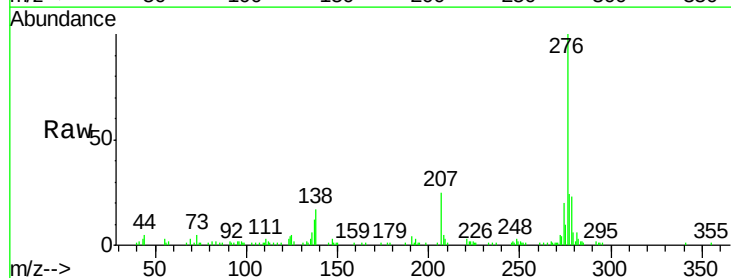
Tgt Ion:276 Resp: 110716

Ion Ratio Lower Upper

276 100

138 17.1 15.4 23.0

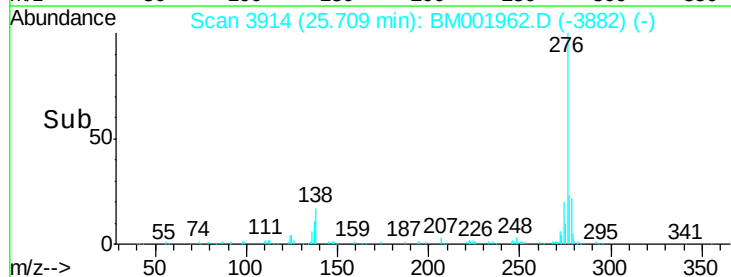
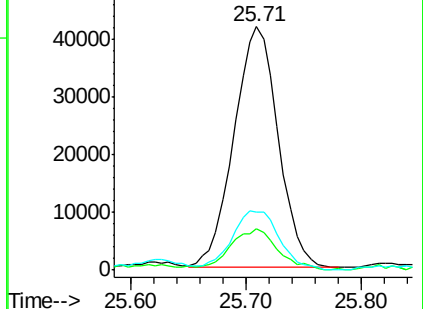
277 23.7 19.9 29.9

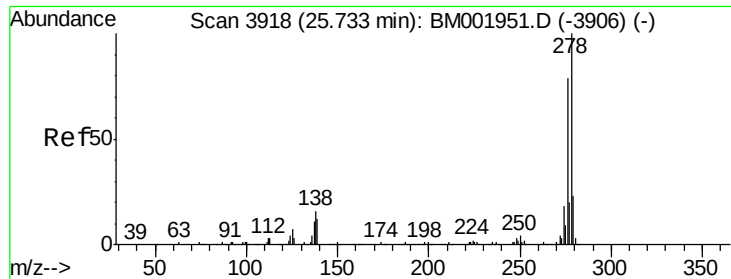


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 1.47 ng/ul

RT: 25.71 min Scan# 3914

Delta R.T. -0.02 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

Instrument :

BNA_M

ClientSampleId :

C01H0

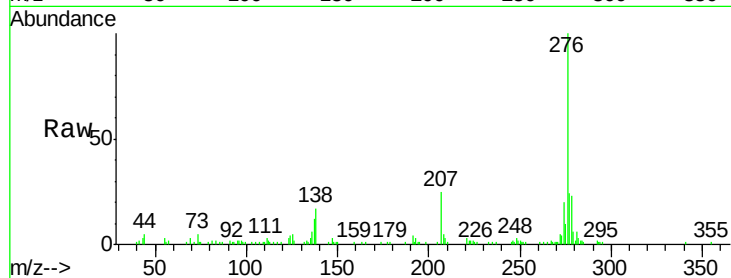
Tgt Ion:278 Resp: 30520

Ion Ratio Lower Upper

278 100

139 0.0 9.6 14.4#

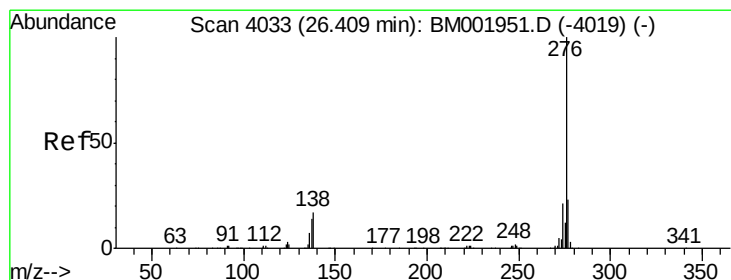
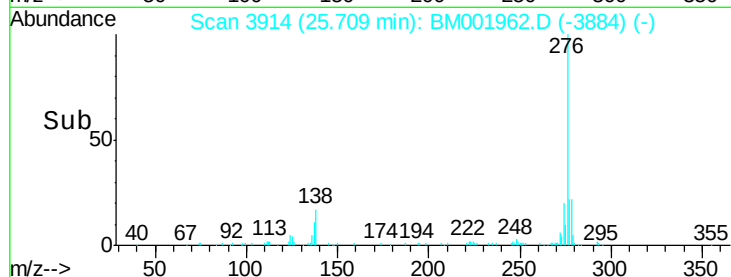
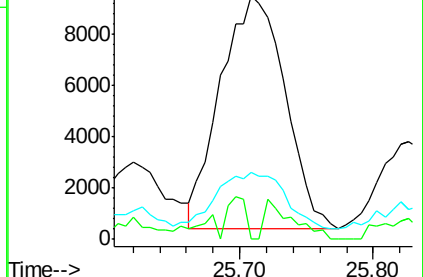
279 27.7 19.4 29.2



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: 3.77 ng/ul

RT: 26.40 min Scan# 4031

Delta R.T. -0.01 min

Lab File: BM001962.D

Acq: 17 Jul 2015 00:45

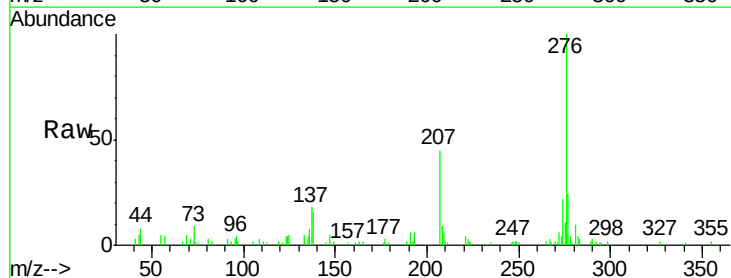
Tgt Ion:276 Resp: 76134

Ion Ratio Lower Upper

276 100

138 16.4 13.3 19.9

277 24.2 18.6 27.8



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

