

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072815\
 Data File : BM002104.D
 Acq On : 28 Jul 2015 21:23
 Operator : TP/UM
 Sample : G3030-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01M1

Quant Time: Jul 29 00:47:15 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 00:46:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	27714	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	105713	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	60912	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.00	188	140722	20.00	ng/ul	0.00
78) Chrysene-d12	21.20	240	181024	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	188132	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	1952	3.64	ng/uL	0.00
5) Phenol-d5	6.77	99	38105	19.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	22589	20.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	33595	20.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	25486	16.18	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	15354	20.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	17292	20.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	29910	18.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	29777	16.85	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	103247	23.14	ng/ul	0.00
47) Acenaphthylene-d8	13.94	160	85543	15.33	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	4134	5.55	ng/ul	0.00
58) Fluorene-d10	15.26	176	56644	14.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	8580	9.97	ng/ul	0.00
71) Anthracene-d10	17.10	188	86060	13.70	ng/ul	0.00
79) Pyrene-d10	19.41	212	85136	11.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	85397	9.36	ng/ul	0.00

Target Compounds

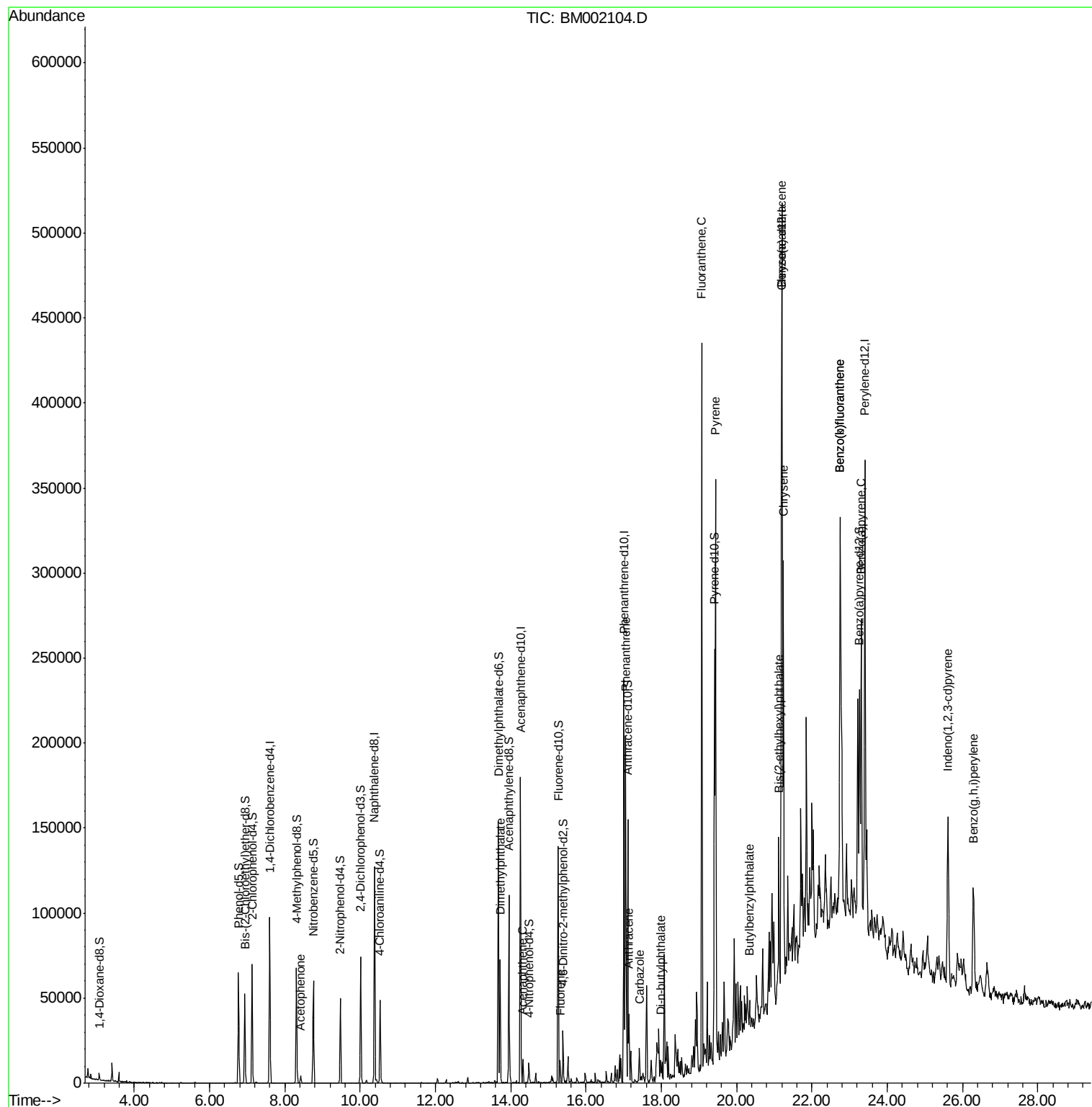
						Qvalue
14) Acetophenone	8.42	105	3057	1.23	ng/ul	93
45) Dimethylphthalate	13.72	163	48588	10.91	ng/ul	97
50) Acenaphthene	14.33	153	7266	1.93	ng/ul	91
59) Fluorene	15.31	166	6419	1.44	ng/ul#	96
70) Phenanthrene	17.05	178	123830	16.99	ng/ul	99
72) Anthracene	17.14	178	28985	3.89	ng/ul	98
75) Carbazole	17.42	167	14205	2.23	ng/ul	96
76) Di-n-butylphthalate	17.97	149	9187	1.21	ng/ul#	94
77) Fluoranthene	19.07	202	261664	31.09	ng/ul	99
80) Pyrene	19.44	202	224917	22.83	ng/ul	98
81) Butylbenzylphthalate	20.34	149	4068	1.08	ng/ul	97
83) Benzo(a)anthracene	21.19	228	128718	12.83	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.12	149	34158	5.93	ng/ul	97
85) Chrysene	21.24	228	137185	14.61	ng/ul	96
88) Benzo(b)fluoranthene	22.74	252	195063	18.45	ng/ul	97
89) Benzo(k)fluoranthene	22.74	252	115828	11.36	ng/ul	98
91) Benzo(a)pyrene	23.31	252	123192	12.07	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.61	276	91586	7.79	ng/ul#	94
94) Benzo(g,h,i)perylene	26.29	276	79421	8.06	ng/ul	97

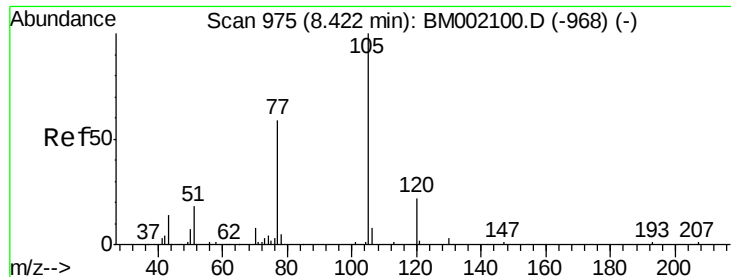
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 1.23 ng/ul

RT: 8.42 min Scan# 975

Delta R.T. -0.00 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

Instrument :

BNA_M

ClientSampled :

C01M1

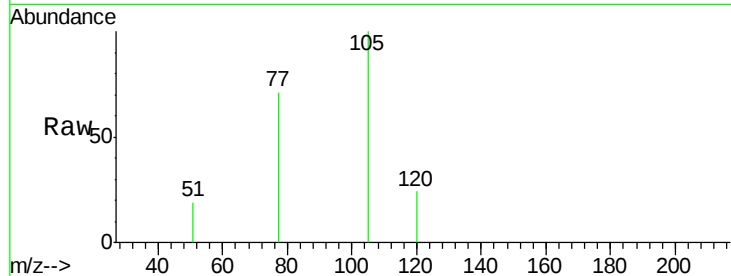
Tgt Ion:105 Resp: 3057

Ion Ratio Lower Upper

105 100

77 71.2 61.8 92.8

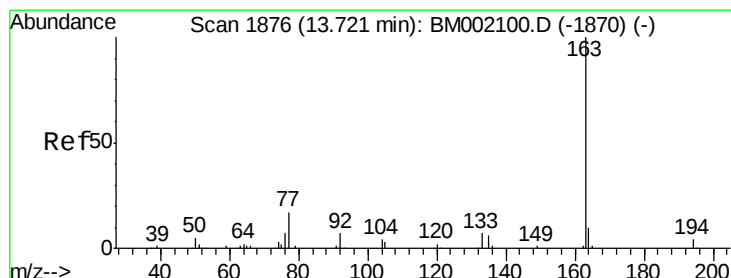
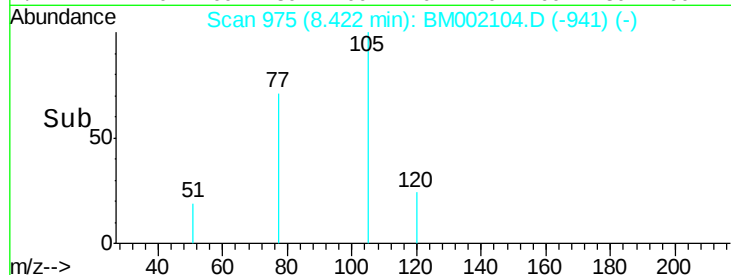
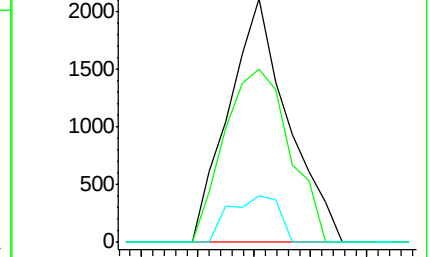
51 19.3 18.5 27.7



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 51.00 (50.70 to 51.70): BM



#45

Dimethylphthalate

Concen: 10.91 ng/ul

RT: 13.72 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

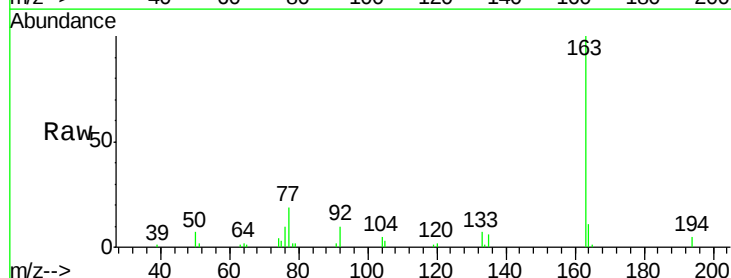
Tgt Ion:163 Resp: 48588

Ion Ratio Lower Upper

163 100

194 5.2 3.5 5.3

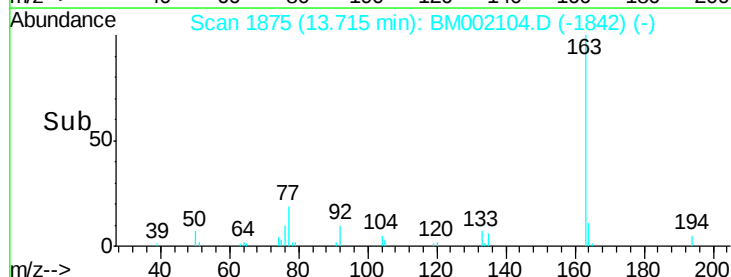
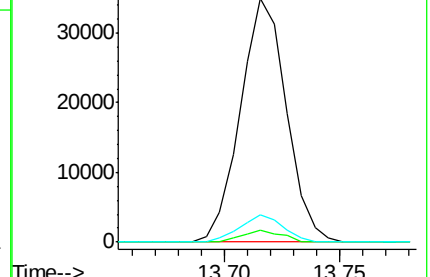
164 11.2 8.0 12.0

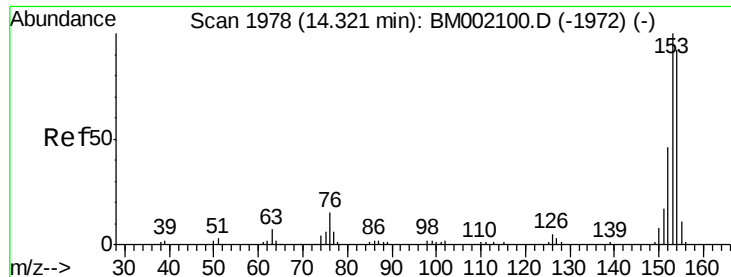


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 1.93 ng/ul

RT: 14.33 min Scan# 1979

Delta R.T. 0.01 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

Instrument :

BNA_M

ClientSampleId :

C01M1

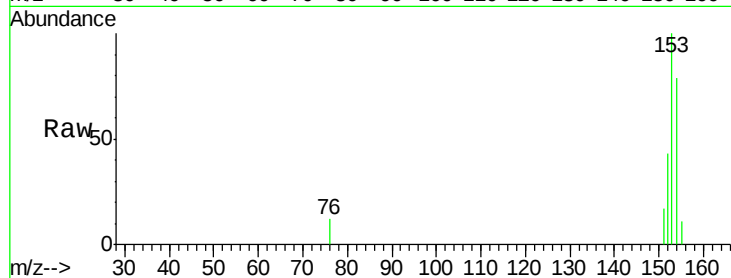
Tgt Ion:153 Resp: 7266

Ion Ratio Lower Upper

153 100

152 43.2 37.3 55.9

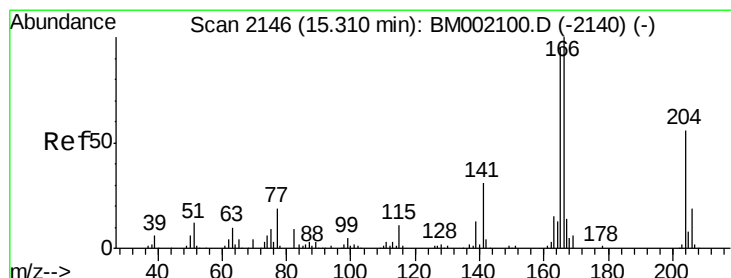
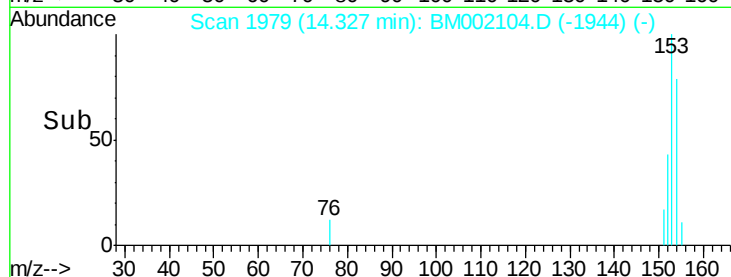
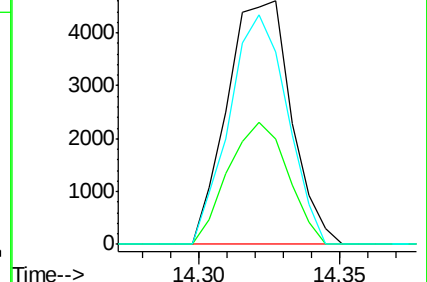
154 79.2 71.4 107.2



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



#59

Fluorene

Concen: 1.44 ng/ul

RT: 15.31 min Scan# 2146

Delta R.T. -0.00 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

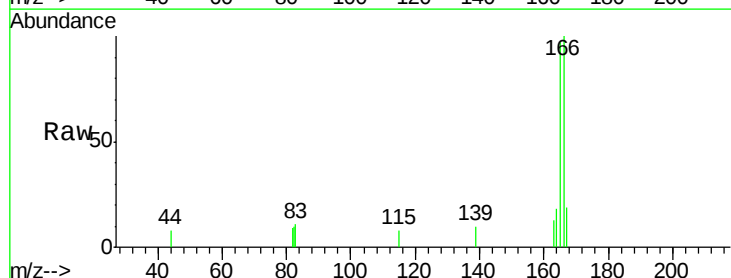
Tgt Ion:166 Resp: 6419

Ion Ratio Lower Upper

166 100

165 96.7 75.6 113.4

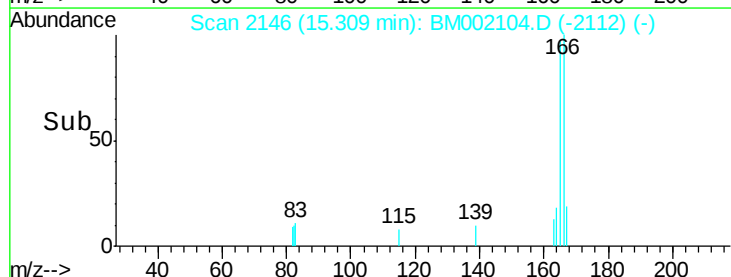
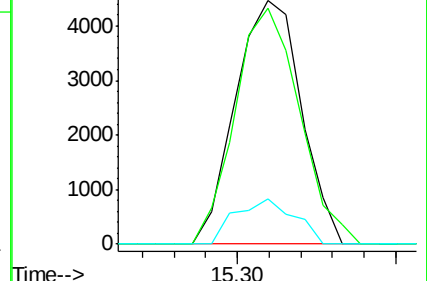
167 18.6 10.5 15.7#

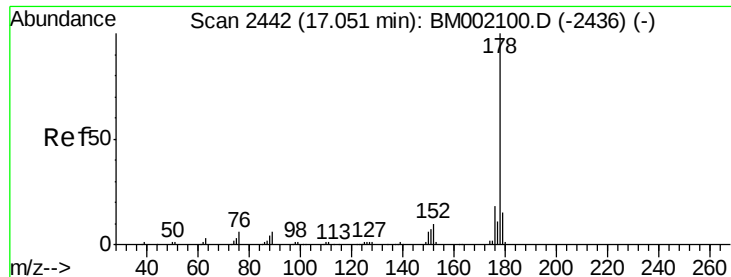


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 16.99 ng/ul

RT: 17.05 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

Instrument :

BNA_M

ClientSampleId :

C01M1

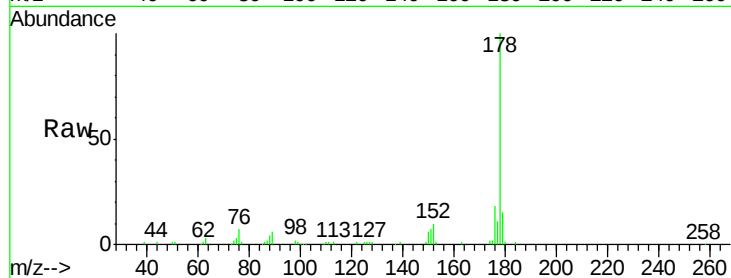
Tgt Ion:178 Resp: 123830

Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

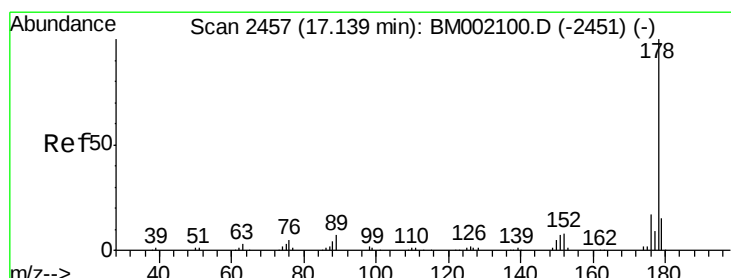
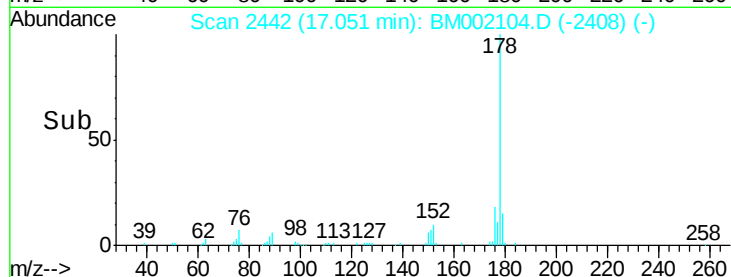
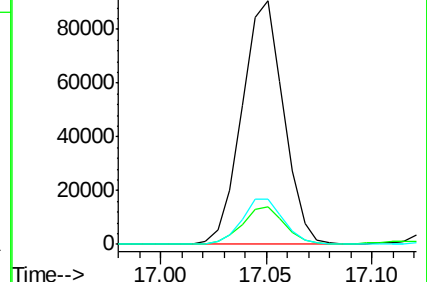
176 18.4 14.2 21.4



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



#72

Anthracene

Concen: 3.89 ng/ul

RT: 17.14 min Scan# 2457

Delta R.T. -0.00 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

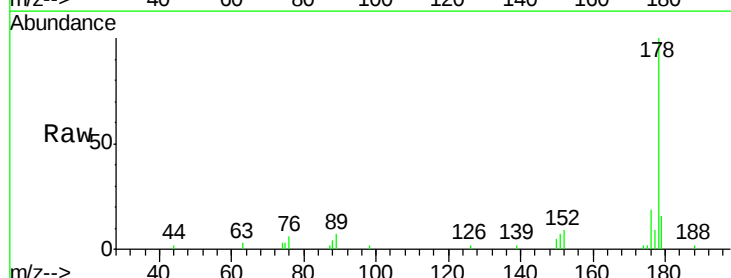
Tgt Ion:178 Resp: 28985

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

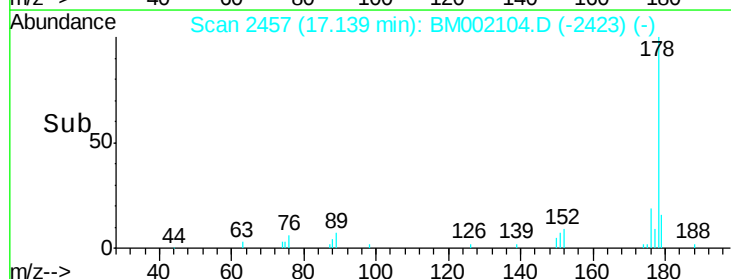
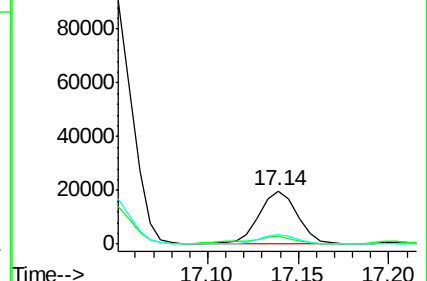
176 18.7 14.1 21.1

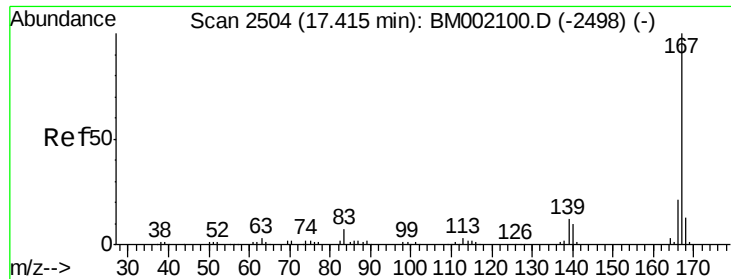


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.23 ng/ul

RT: 17.42 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

Instrument :

BNA_M

ClientSampleId :

C01M1

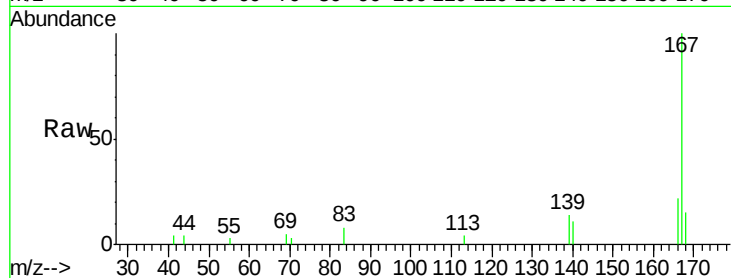
Tgt Ion:167 Resp: 14205

Ion Ratio Lower Upper

167 100

166 21.9 16.2 24.4

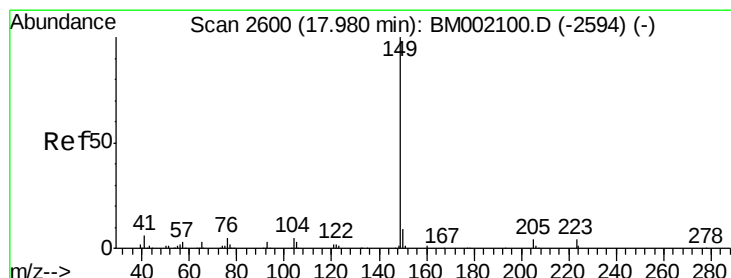
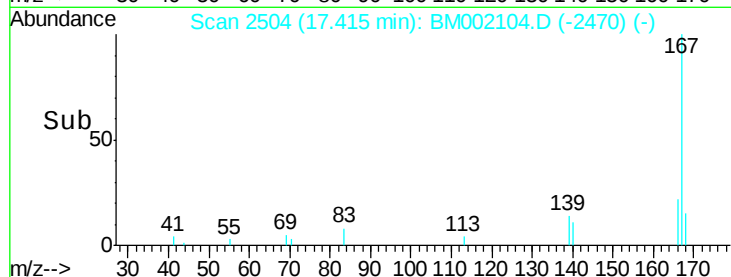
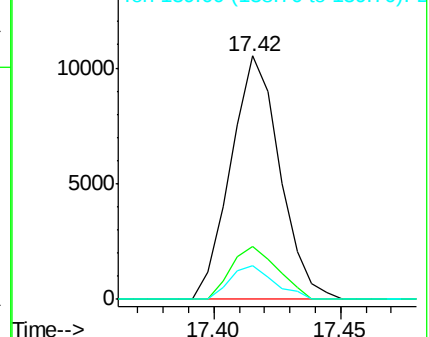
139 14.0 9.6 14.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Di-n-butylphthalate

Concen: 1.21 ng/ul

RT: 17.97 min Scan# 2599

Delta R.T. -0.01 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

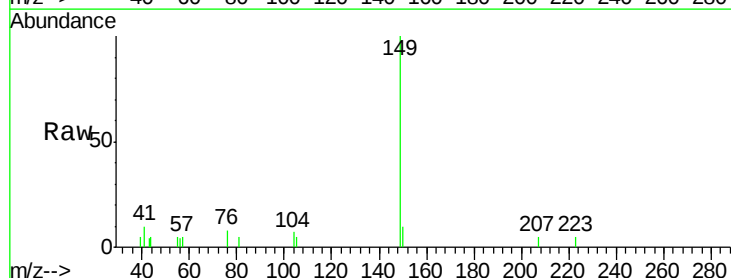
Tgt Ion:149 Resp: 9187

Ion Ratio Lower Upper

149 100

150 10.5 7.0 10.4#

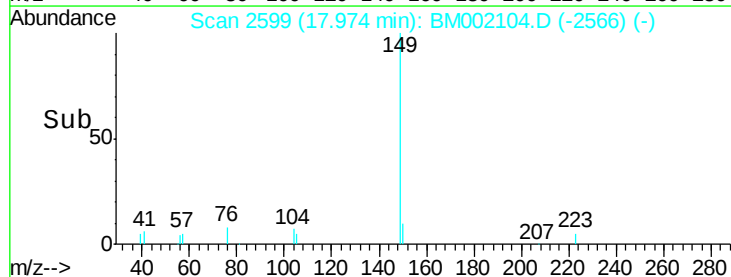
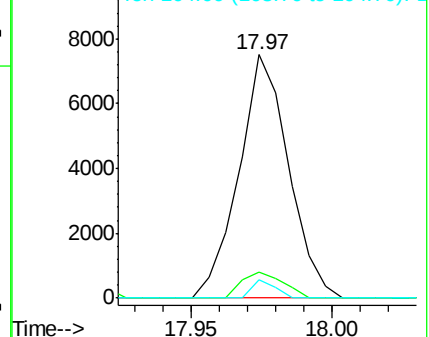
104 7.4 4.2 6.2#

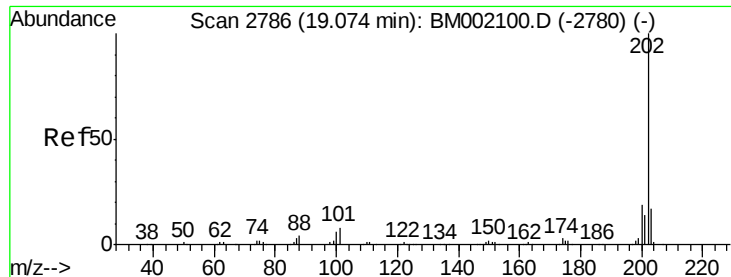


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

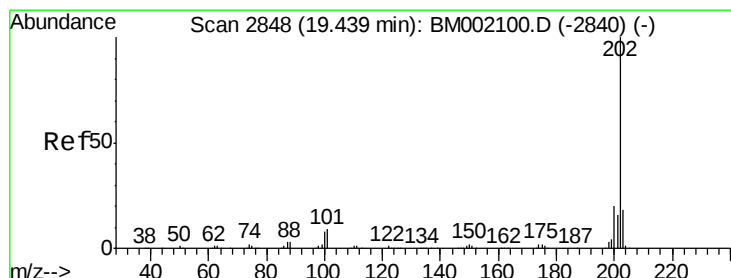
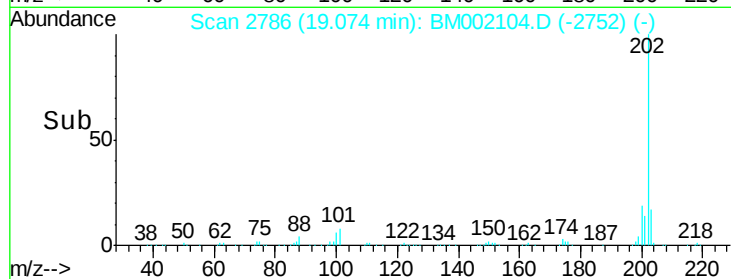
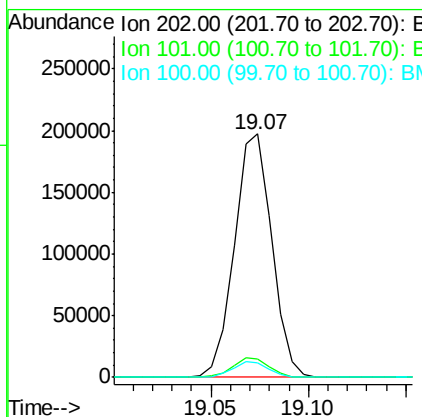
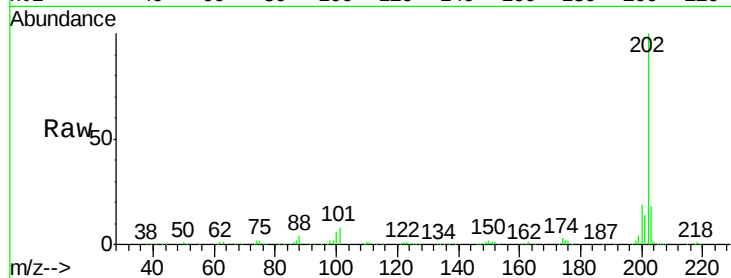




#77
 Fluoranthene
 Concen: 31.09 ng/ul
 RT: 19.07 min Scan# 2786
 Delta R.T. -0.00 min
 Lab File: BM002104.D
 Acq: 28 Jul 2015 21:23

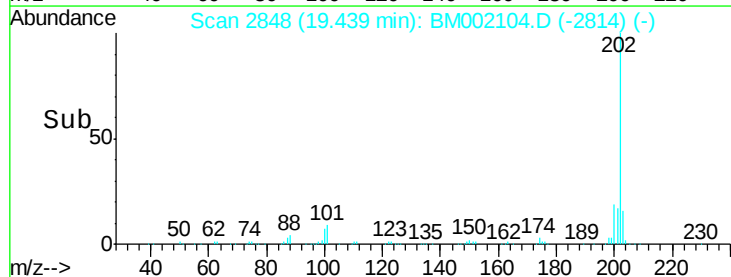
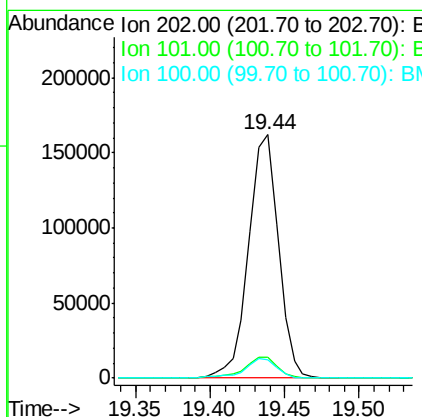
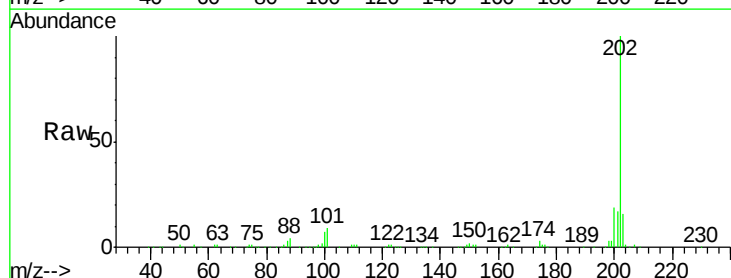
Instrument :
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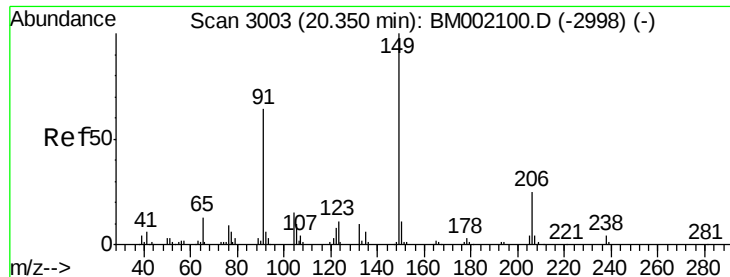
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.2	9.4
100	6.1	5.2	7.8



#80
 Pyrene
 Concen: 22.83 ng/ul
 RT: 19.44 min Scan# 2848
 Delta R.T. -0.00 min
 Lab File: BM002104.D
 Acq: 28 Jul 2015 21:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.4	11.2
100	7.3	6.3	9.5

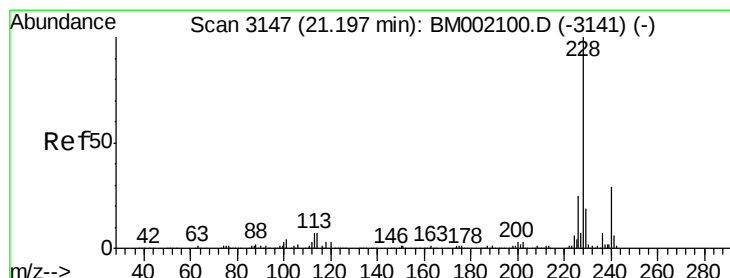
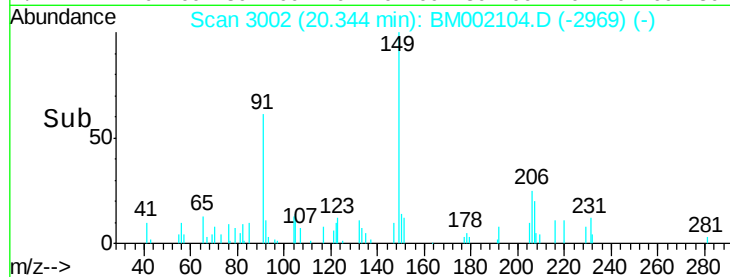
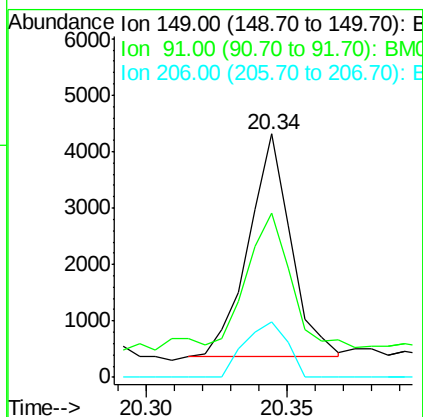
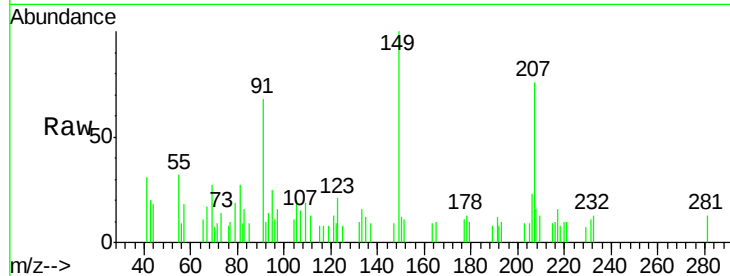




#81
Butylbenzylphthalate
Concen: 1.08 ng/ul
RT: 20.34 min Scan# 3002
Delta R.T. -0.01 min
Lab File: BM002104.D
Acq: 28 Jul 2015 21:23

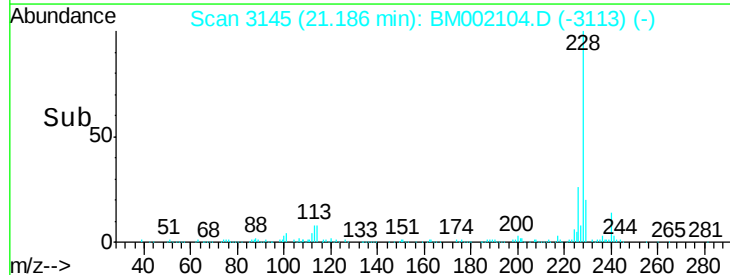
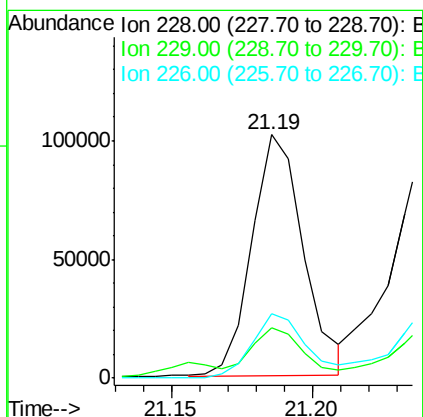
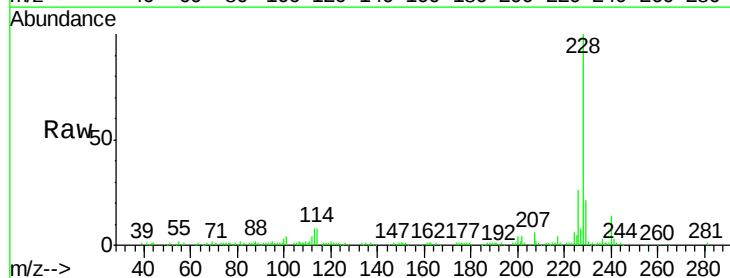
Instrument :
BNA_M
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C01M1

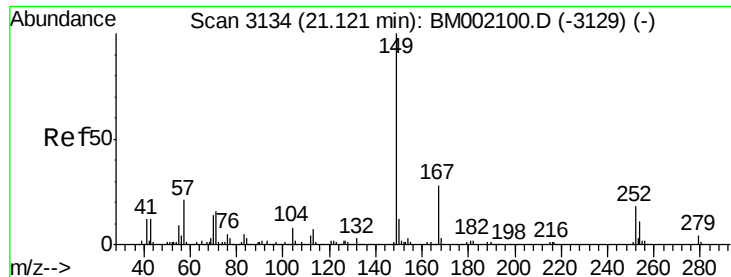
Tgt Ion:149 Resp: 4068
Ion Ratio Lower Upper
149 100
91 67.6 52.4 78.6
206 22.6 19.9 29.9



#83
Benzo(a)anthracene
Concen: 12.83 ng/ul
RT: 21.19 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BM002104.D
Acq: 28 Jul 2015 21:23

Tgt Ion:228 Resp: 128718
Ion Ratio Lower Upper
228 100
229 20.6 15.4 23.2
226 26.3 20.5 30.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.93 ng/ul

RT: 21.12 min Scan# 3134

Delta R.T. -0.00 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

Instrument :

BNA_M

ClientSampleId :

C01M1

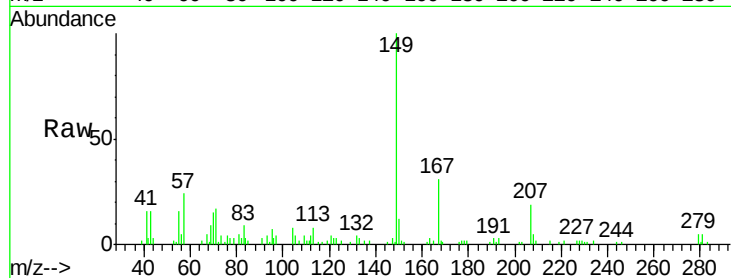
Tgt Ion:149 Resp: 34158

Ion Ratio Lower Upper

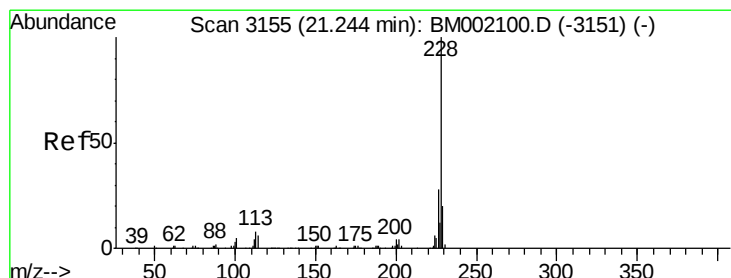
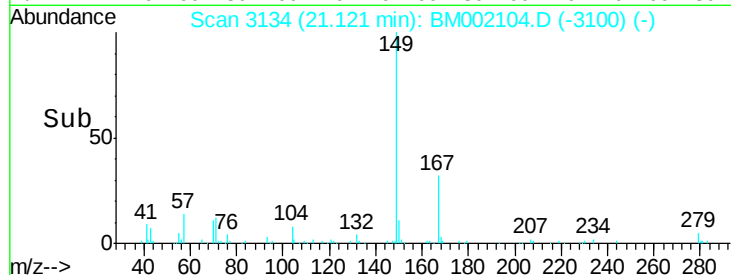
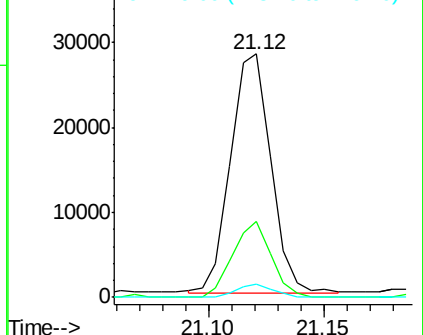
149 100

167 31.4 23.6 35.4

279 5.3 4.2 6.4



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



#85

Chrysene

Concen: 14.61 ng/ul

RT: 21.24 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

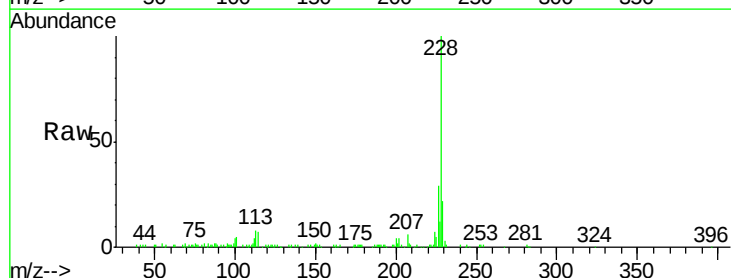
Tgt Ion:228 Resp: 137185

Ion Ratio Lower Upper

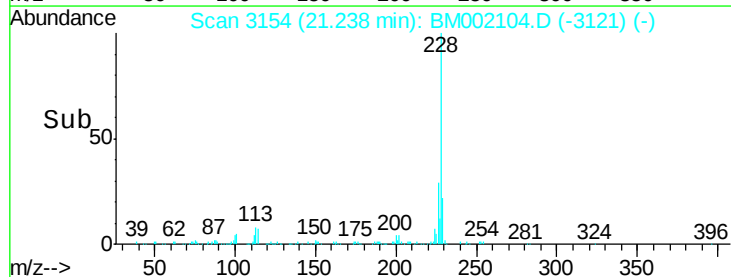
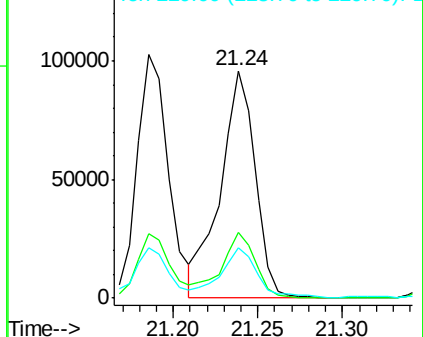
228 100

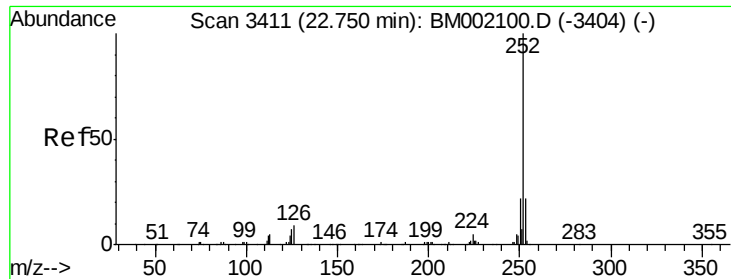
226 29.0 22.3 33.5

229 22.1 15.5 23.3



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

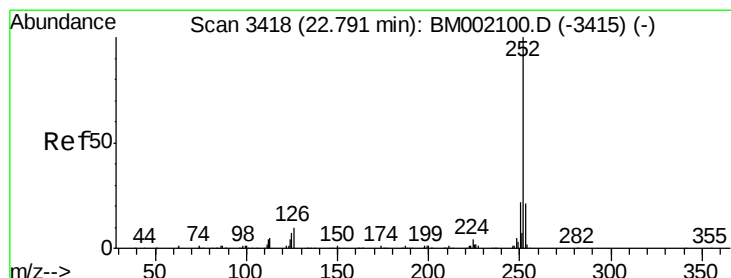
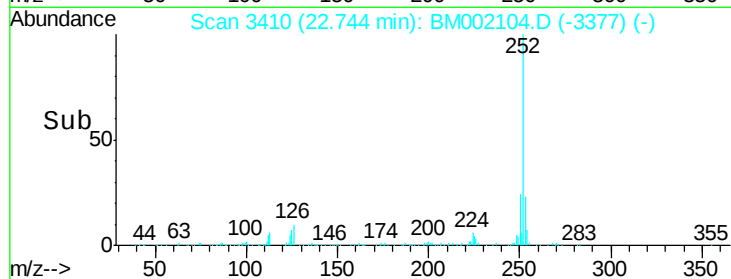
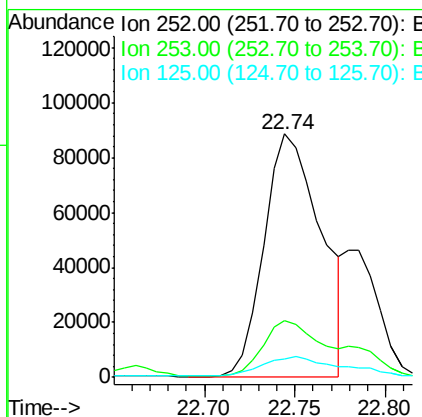
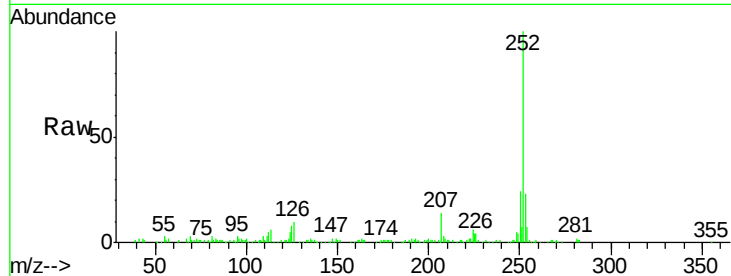




#88
Benzo(b)fluoranthene
Concen: 18.45 ng/ul
RT: 22.74 min Scan# 3410
Delta R.T. -0.01 min
Lab File: BM002104.D
Acq: 28 Jul 2015 21:23

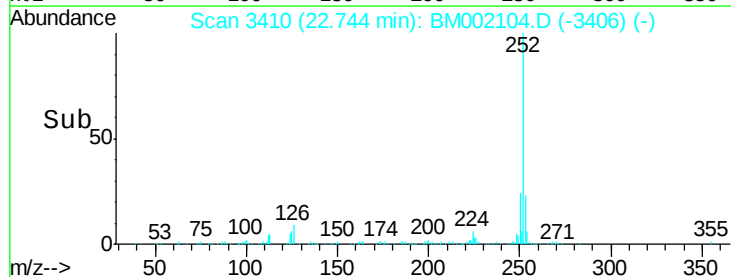
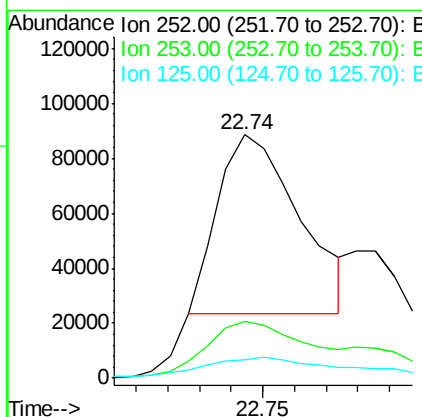
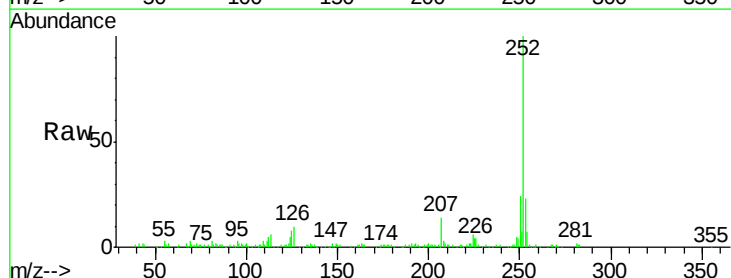
Instrument :
BNA_M
ClientSampleID :
C01M1

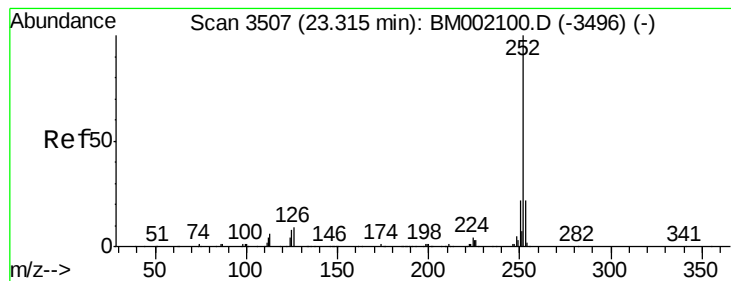
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.9	25.3
125	7.7	6.2	9.2



#89
Benzo(k)fluoranthene
Concen: 11.36 ng/ul
RT: 22.74 min Scan# 3410
Delta R.T. -0.05 min
Lab File: BM002104.D
Acq: 28 Jul 2015 21:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	7.7	6.2	9.4





#91

Benzo(a)pyrene

Concen: 12.07 ng/ul

RT: 23.31 min Scan# 3506

Delta R.T. -0.01 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

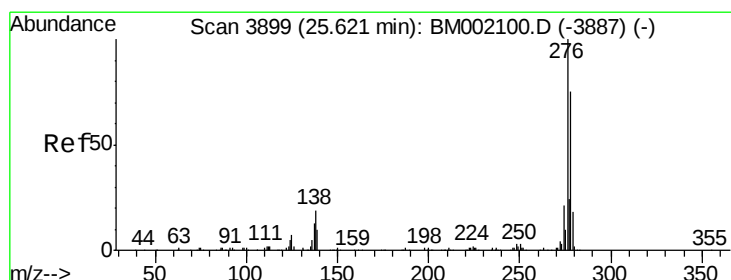
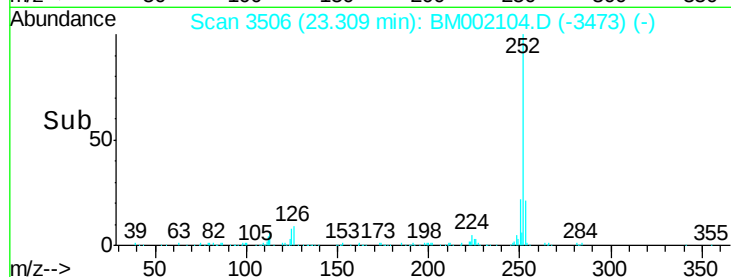
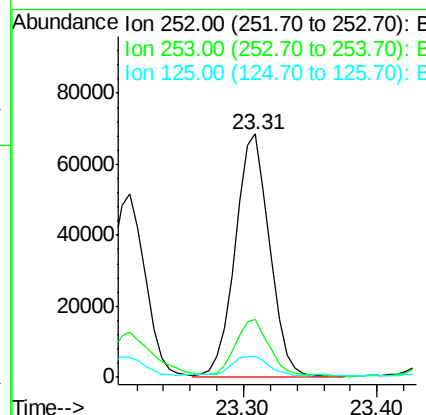
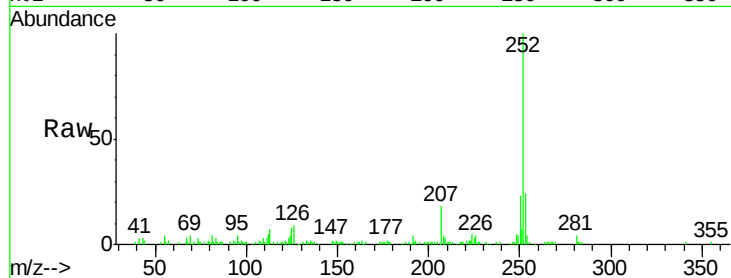
Instrument :

BNA_M

ClientSampleId :

C01M1

Tgt Ion:	252	Resp:	123192
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	8.4	6.6	10.0



#92

Indeno(1,2,3-cd)pyrene

Concen: 7.79 ng/ul

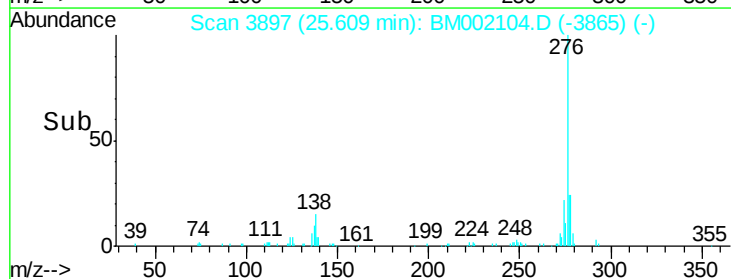
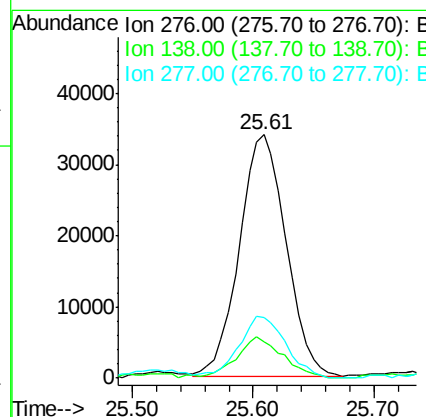
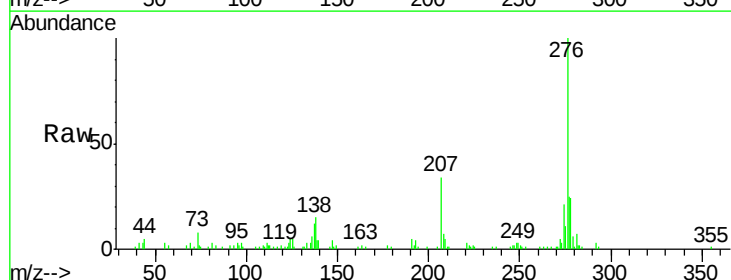
RT: 25.61 min Scan# 3897

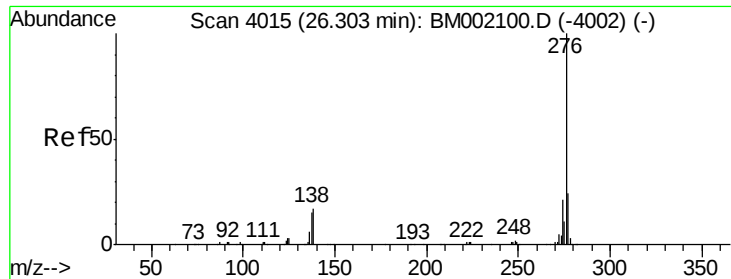
Delta R.T. -0.01 min

Lab File: BM002104.D

Acq: 28 Jul 2015 21:23

Tgt Ion:	276	Resp:	91586
Ion	Ratio	Lower	Upper
276	100		
138	14.7	16.2	24.2#
277	25.1	19.8	29.8





#94

Benzo(g,h,i)perylene

Concen: 8.06 ng/ul

RT: 26.29 min Scan# 4013

Delta R.T. -0.01 min

Lab File: BM002104.D

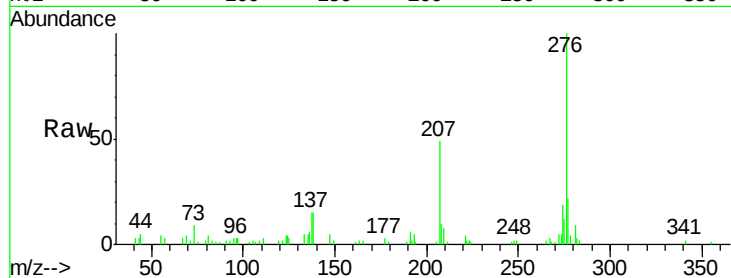
Acq: 28 Jul 2015 21:23

Instrument :

BNA_M

ClientSampleId :

C01M1



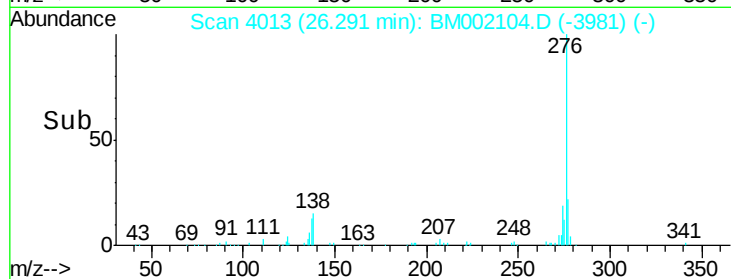
Tgt Ion: 276 Resp: 79421

Ion Ratio Lower Upper

276 100

138 15.5 13.8 20.6

277 22.0 18.2 27.2



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

