

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
 Data File : BM004056.D
 Acq On : 15 Jan 2016 20:13
 Operator : SJ/UM
 Sample : H1100-18
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC9G6

Quant Time: Jan 16 03:06:21 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 16 03:00:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	45710	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	211324	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	117581	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	233370	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	187264	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	187051	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	3601	3.52	ng/uL	0.00
5) Phenol-d5	6.85	99	84100	22.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	52754	24.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	76568	24.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	53691	17.46	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	39875	25.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	43843	25.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	74059	23.89	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	83771	20.47	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	242818	26.30	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	299355	26.62	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	25322	15.27	ng/ul	0.00
58) Fluorene-d10	15.32	176	210440	26.88	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	20938	15.91	ng/ul	0.00
71) Anthracene-d10	17.17	188	294426	27.28	ng/ul	0.00
79) Pyrene-d10	19.47	212	277914	28.66	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	264120	28.27	ng/ul	0.00

Target Compounds

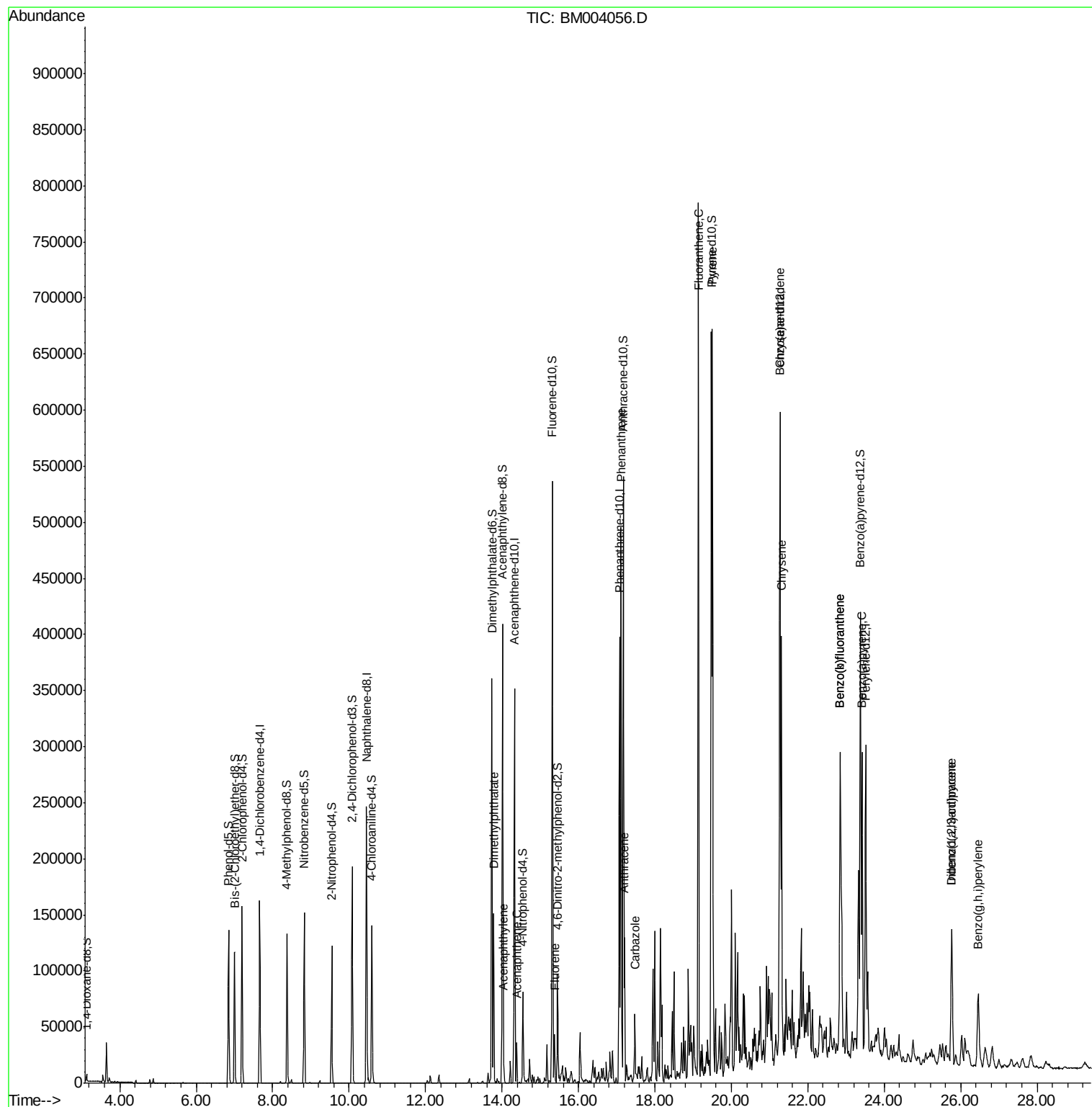
					Qvalue
45) Dimethylphthalate	13.78	163	97998	10.41 ng/ul	100
48) Acenaphthylene	14.04	152	13436	1.09 ng/ul	97
50) Acenaphthene	14.39	153	16006	1.96 ng/ul	97
59) Fluorene	15.37	166	20430	2.26 ng/ul	99
70) Phenanthrene	17.12	178	286268	21.81 ng/ul	99
72) Anthracene	17.20	178	77246	5.74 ng/ul	100
75) Carbazole	17.48	167	35013	2.96 ng/ul	98
77) Fluoranthene	19.14	202	448004	32.85 ng/ul	98
80) Pyrene	19.50	202	405930	31.93 ng/ul	98
83) Benzo(a)anthracene	21.26	228	198193	17.77 ng/ul	98
85) Chrysene	21.32	228	205610	19.40 ng/ul	97
88) Benzo(b)fluoranthene	22.84	252	233057	20.49 ng/ul	98
89) Benzo(k)fluoranthene	22.84	252	124400	11.50 ng/ul	97
91) Benzo(a)pyrene	23.41	252	172847	16.03 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.76	276	103419	8.67 ng/ul	96
93) Dibenzo(a,h)anthracene	25.76	278	32197	3.21 ng/ul#	85
94) Benzo(g,h,i)perylene	26.46	276	76799	7.67 ng/ul	98

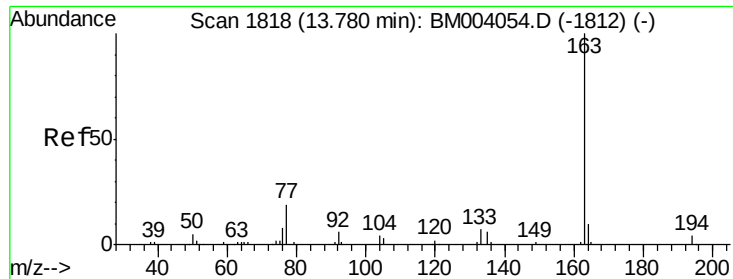
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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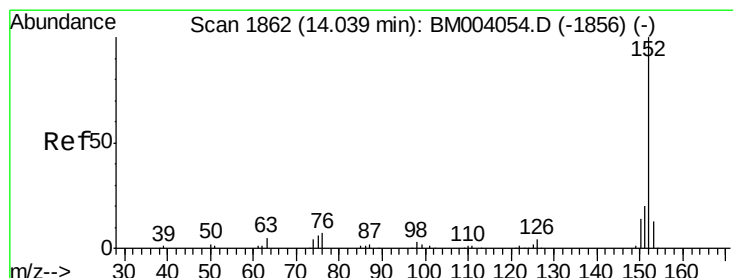
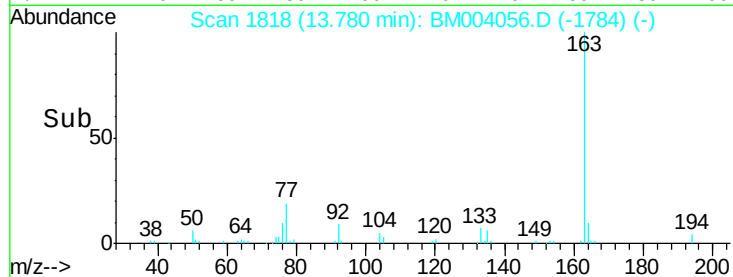
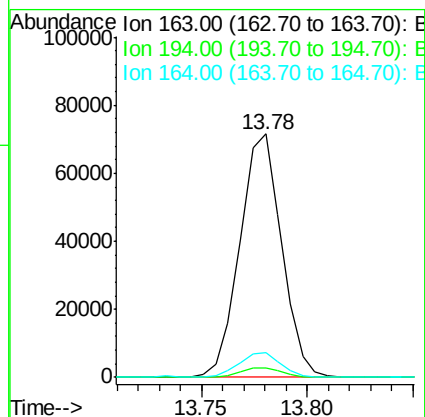
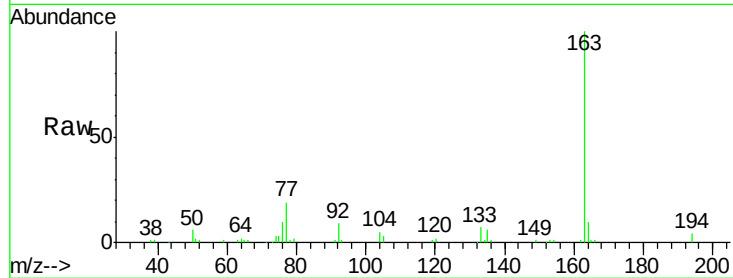




#45
Dimethylphthalate
Concen: 10.41 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BM004056.D
Acq: 15 Jan 2016 20:13

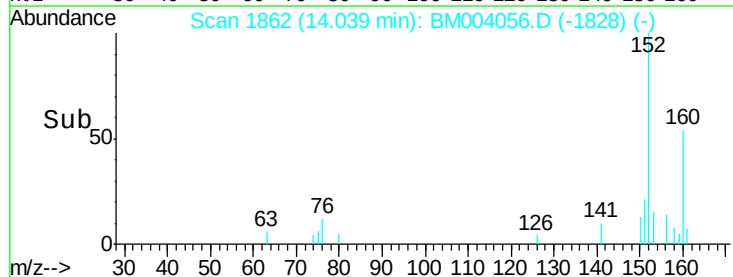
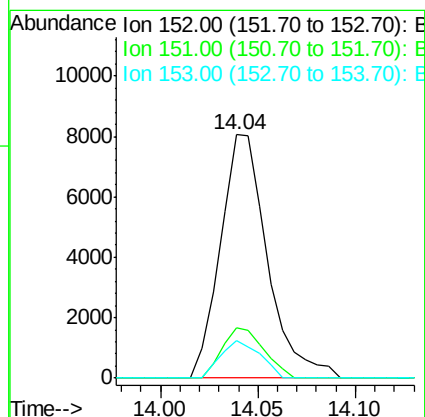
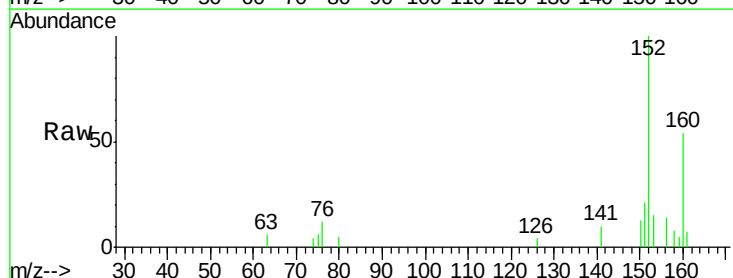
Instrument :
BNA_M
ClientSampleId :
BC9G6

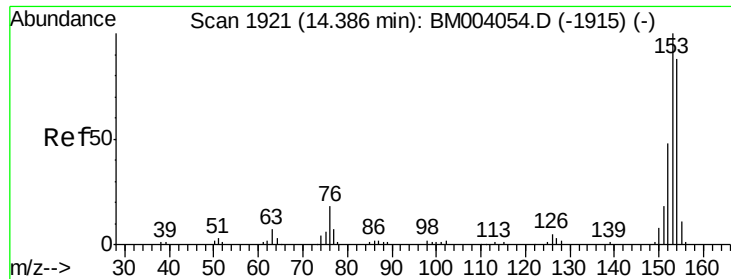
Tgt Ion:163 Resp: 97998
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 9.9 7.8 11.8



#48
Acenaphthylene
Concen: 1.09 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. -0.00 min
Lab File: BM004056.D
Acq: 15 Jan 2016 20:13

Tgt Ion:152 Resp: 13436
Ion Ratio Lower Upper
152 100
151 20.5 15.7 23.5
153 15.3 10.5 15.7





#50

Acenaphthene

Concen: 1.96 ng/ul

RT: 14.39 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BM004056.D

Acq: 15 Jan 2016 20:13

Instrument :

BNA_M

ClientSampleId :

BC9G6

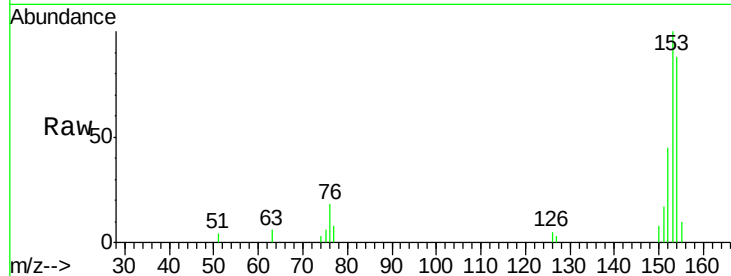
Tgt Ion:153 Resp: 16006

Ion Ratio Lower Upper

153 100

152 45.1 38.3 57.5

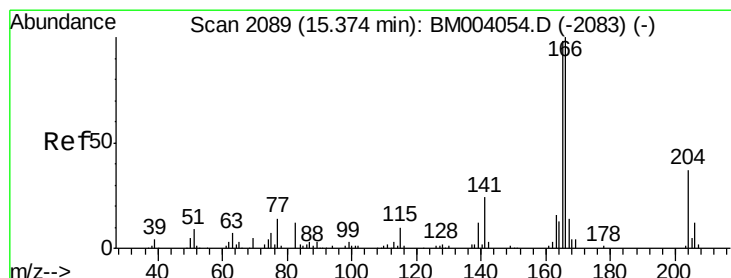
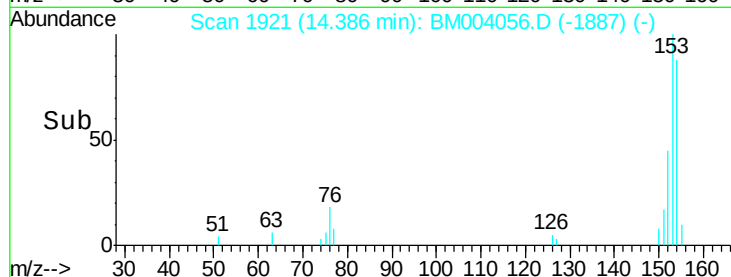
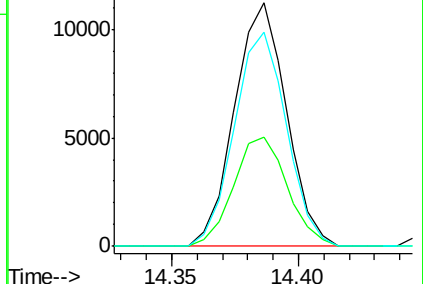
154 87.9 71.8 107.8



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: 2.26 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BM004056.D

Acq: 15 Jan 2016 20:13

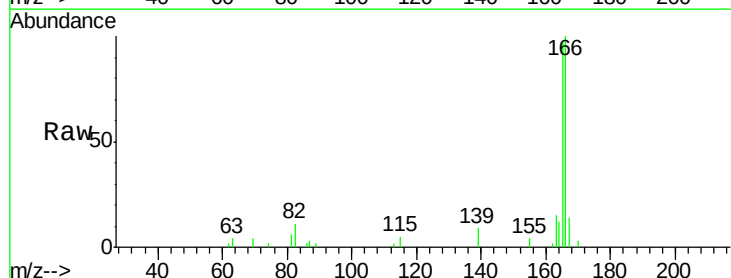
Tgt Ion:166 Resp: 20430

Ion Ratio Lower Upper

166 100

165 96.8 78.5 117.7

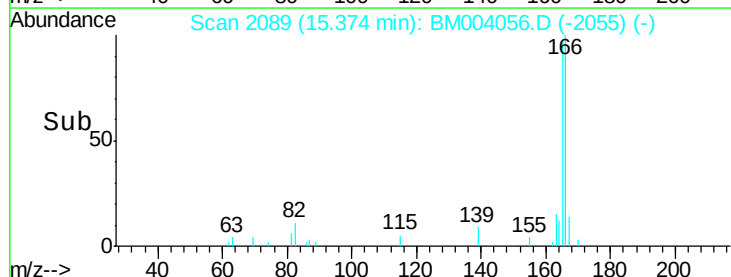
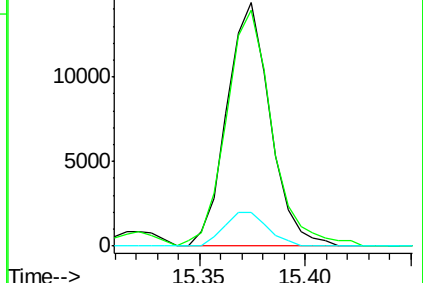
167 13.6 10.7 16.1

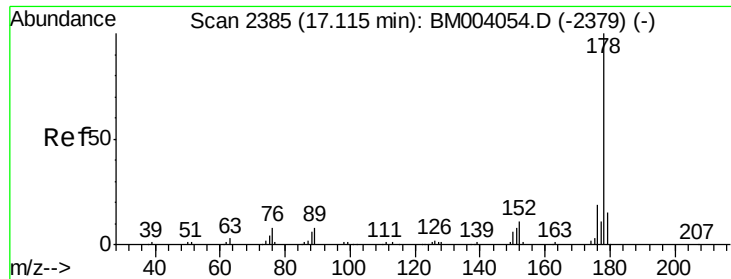


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 21.81 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BM004056.D

Acq: 15 Jan 2016 20:13

Instrument :

BNA_M

ClientSampleId :

BC9G6

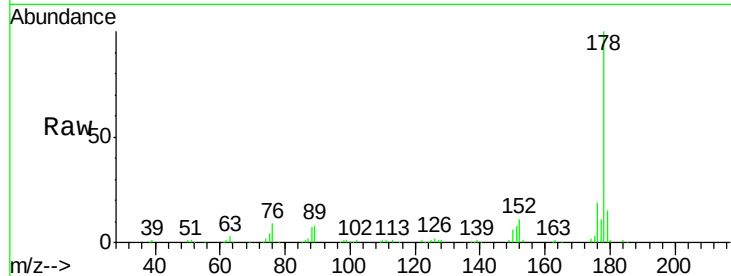
Tgt Ion:178 Resp: 286268

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.4

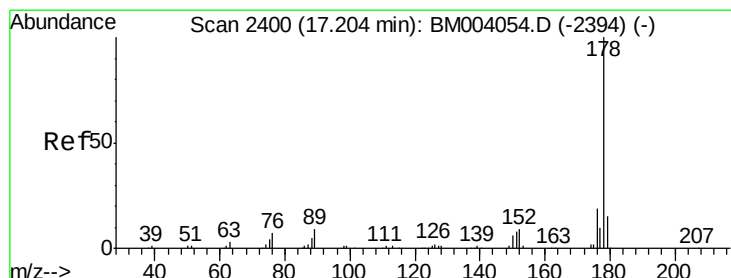
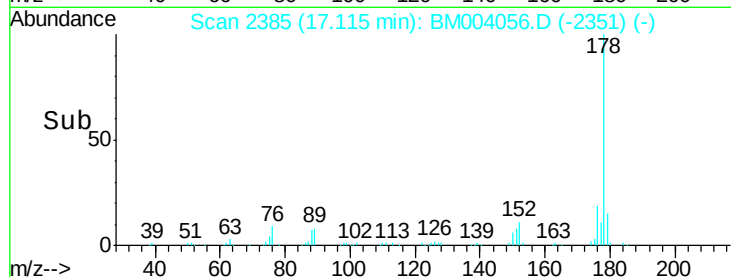
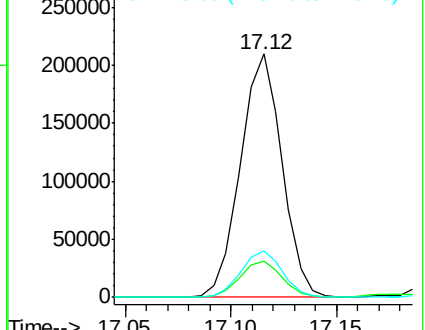
176 19.2 15.6 23.4



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: 5.74 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM004056.D

Acq: 15 Jan 2016 20:13

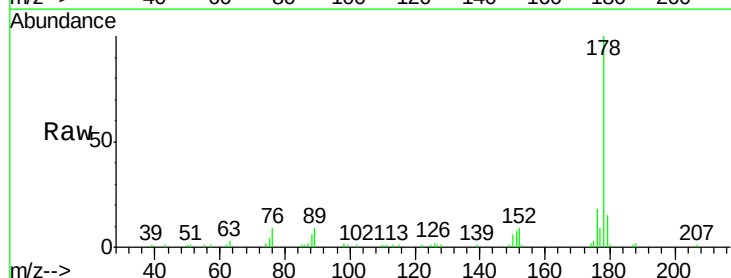
Tgt Ion:178 Resp: 77246

Ion Ratio Lower Upper

178 100

179 15.1 12.1 18.1

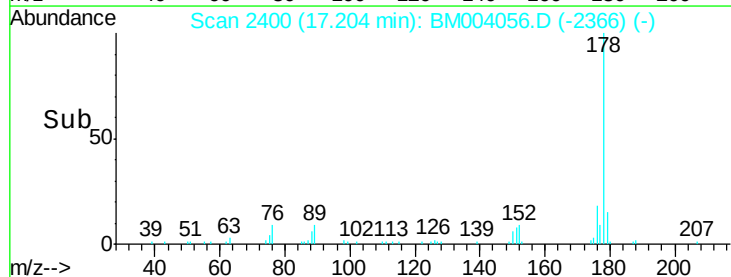
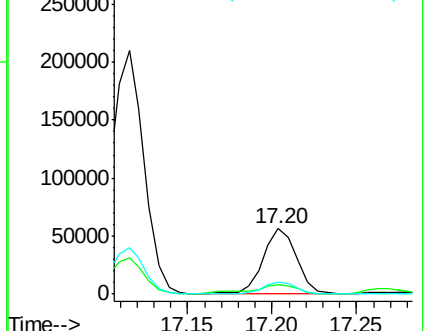
176 18.2 14.8 22.2

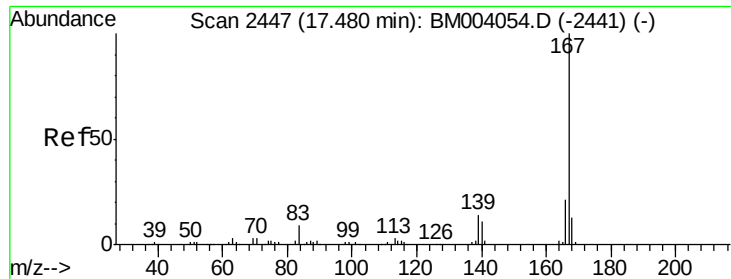


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.96 ng/ul

RT: 17.48 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BM004056.D

Acq: 15 Jan 2016 20:13

Instrument :

BNA_M

ClientSampleId :

BC9G6

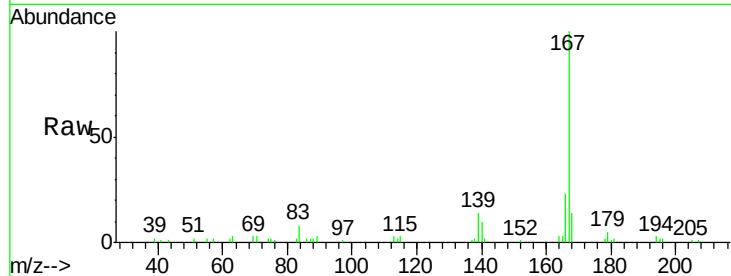
Tgt Ion:167 Resp: 35013

Ion Ratio Lower Upper

167 100

166 22.5 17.0 25.6

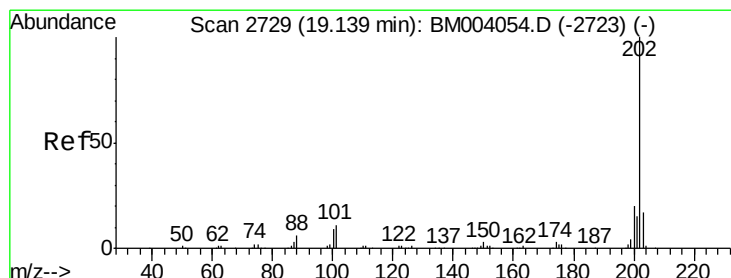
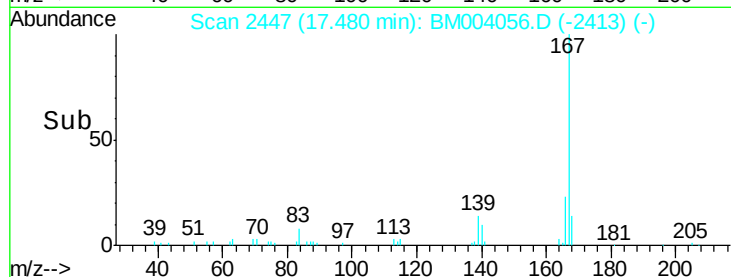
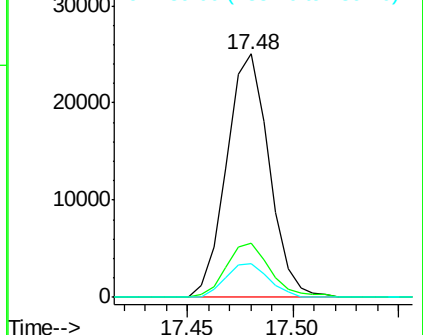
139 13.9 11.0 16.4



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



#77

Fluoranthene

Concen: 32.85 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BM004056.D

Acq: 15 Jan 2016 20:13

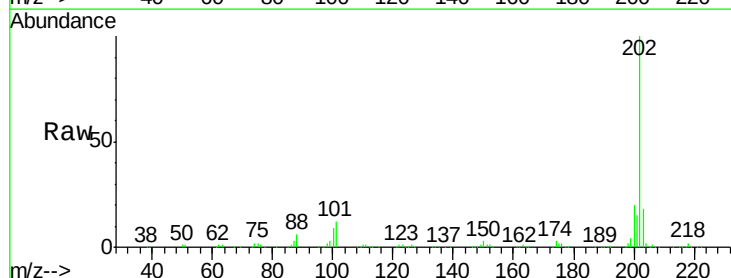
Tgt Ion:202 Resp: 448004

Ion Ratio Lower Upper

202 100

101 11.8 8.8 13.2

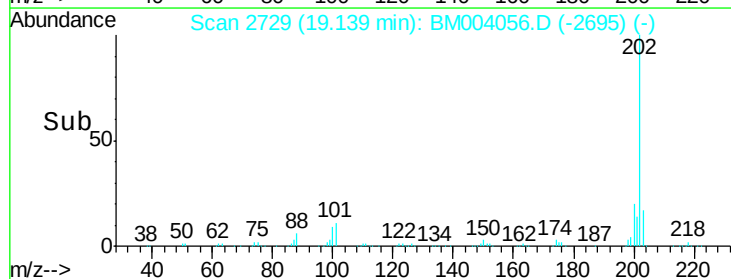
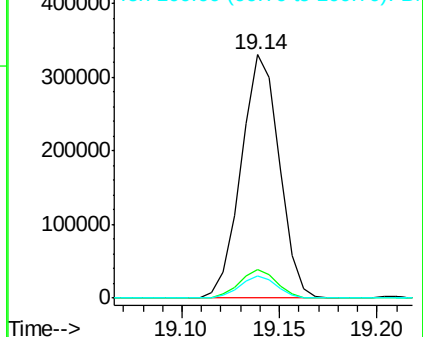
100 9.0 6.6 9.8

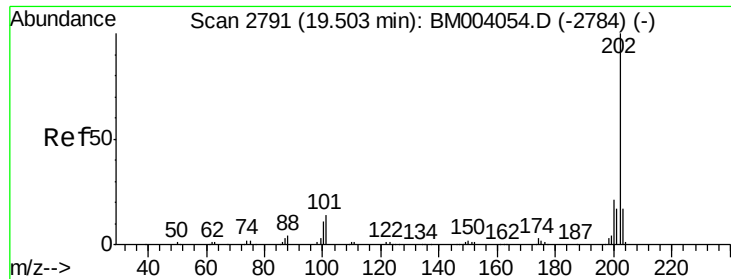


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

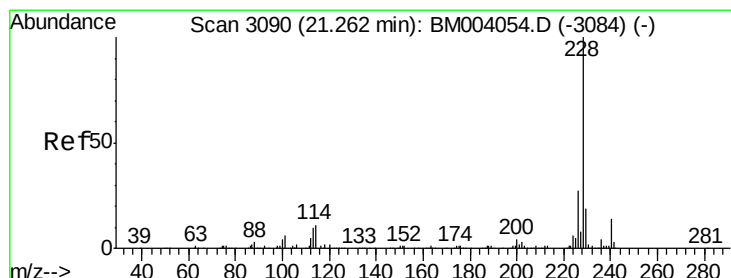
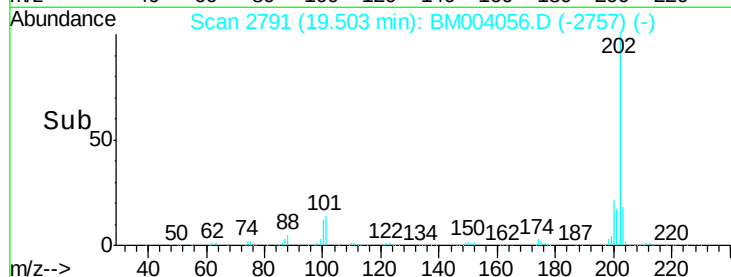
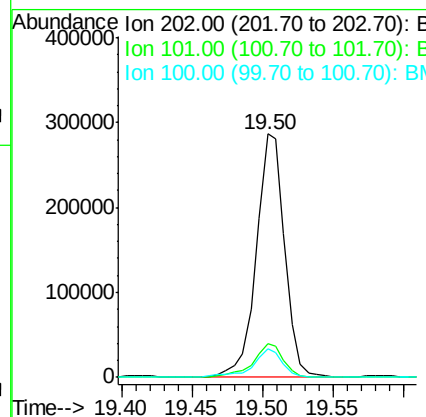
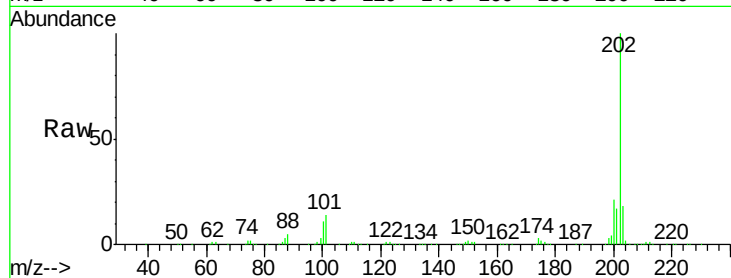




#80
 Pyrene
 Concen: 31.93 ng/ul
 RT: 19.50 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: BM004056.D
 Acq: 15 Jan 2016 20:13

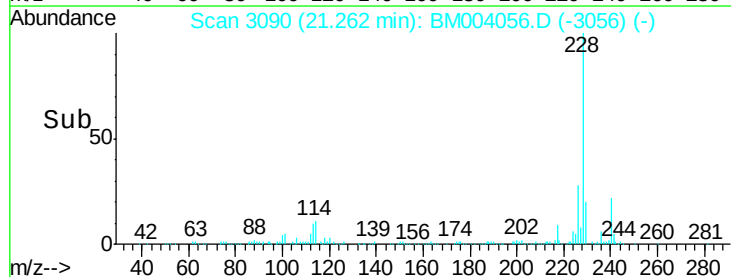
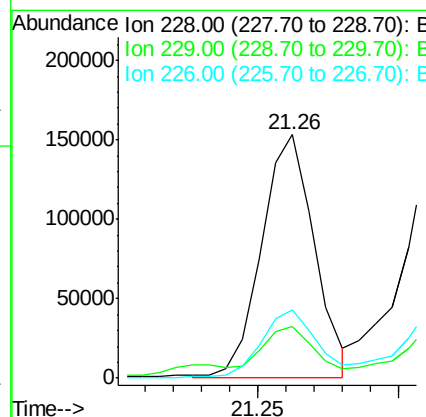
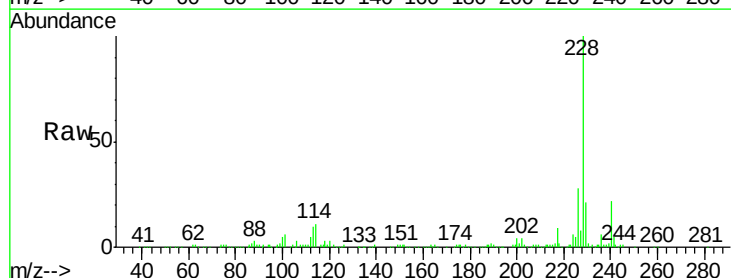
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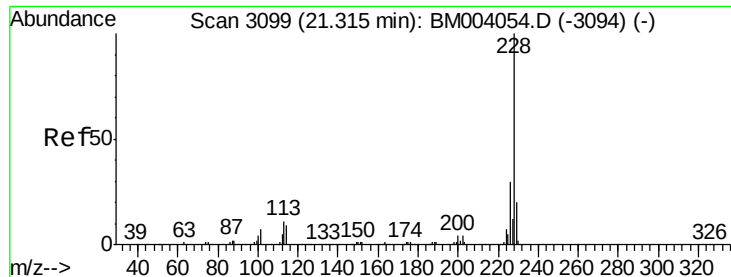
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	10.2	15.2
100	11.5	8.5	12.7



#83
 Benzo(a)anthracene
 Concen: 17.77 ng/ul
 RT: 21.26 min Scan# 3090
 Delta R.T. -0.00 min
 Lab File: BM004056.D
 Acq: 15 Jan 2016 20:13

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.7	23.5
226	28.1	21.8	32.6





#85

Chrysene

Concen: 19.40 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. -0.00 min

Lab File: BM004056.D

Acq: 15 Jan 2016 20:13

Instrument :

BNA_M

ClientSampleId :

BC9G6

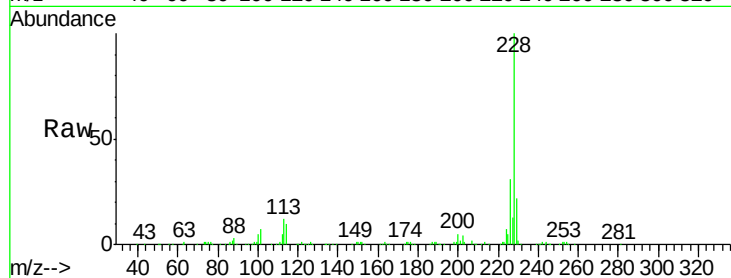
Tgt Ion:228 Resp: 205610

Ion Ratio Lower Upper

228 100

226 30.7 24.0 36.0

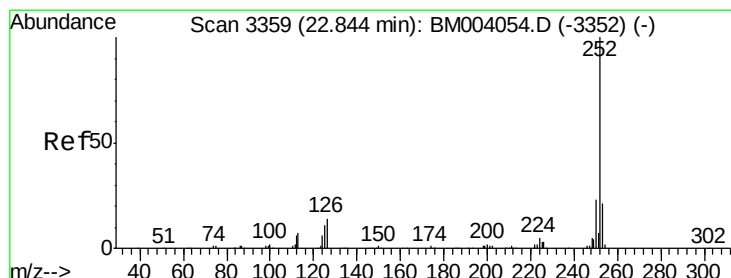
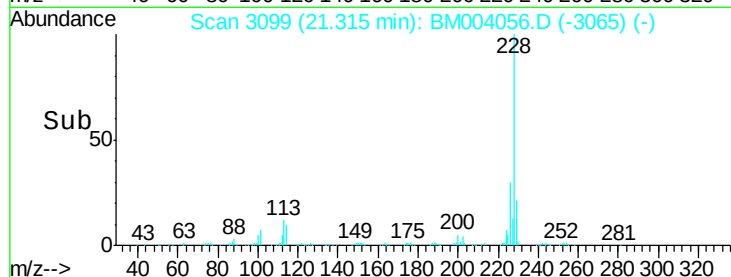
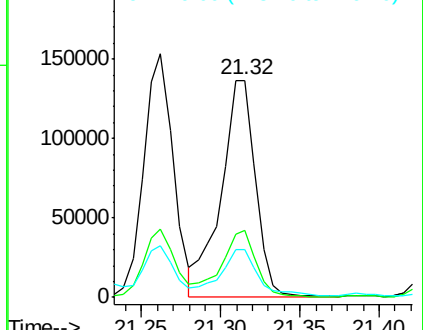
229 22.0 15.6 23.4



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: 20.49 ng/ul

RT: 22.84 min Scan# 3359

Delta R.T. -0.00 min

Lab File: BM004056.D

Acq: 15 Jan 2016 20:13

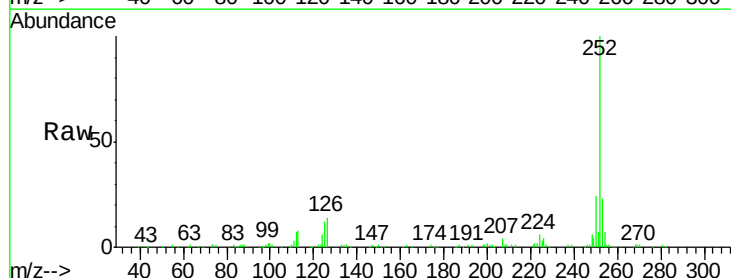
Tgt Ion:252 Resp: 233057

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

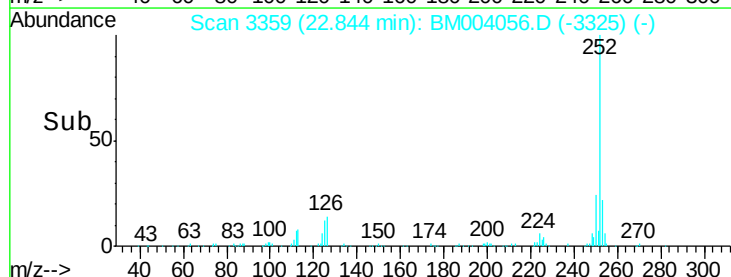
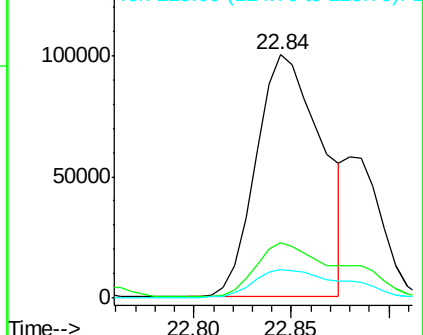
125 11.6 8.5 12.7

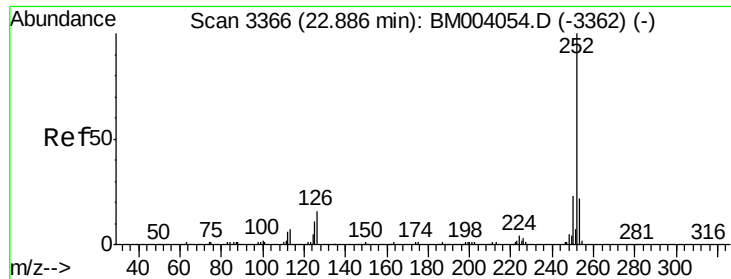


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 11.50 ng/ul

RT: 22.84 min Scan# 3359

Delta R.T. -0.04 min

Lab File: BM004056.D

Acq: 15 Jan 2016 20:13

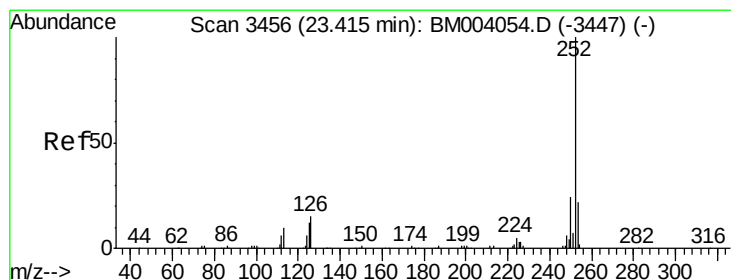
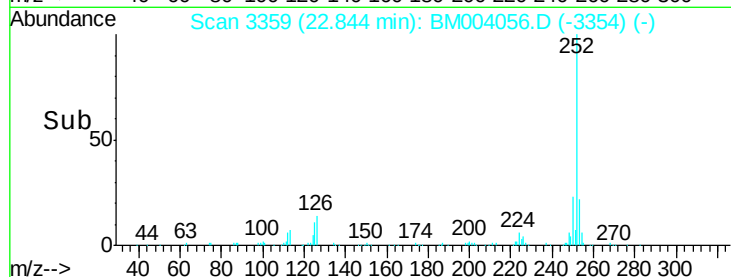
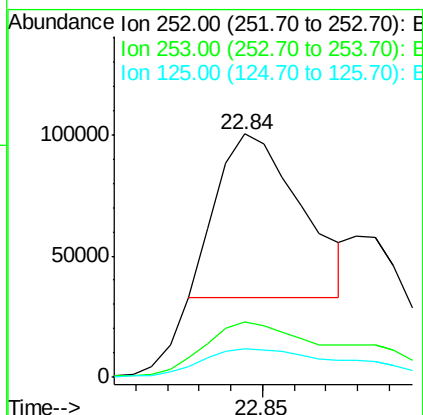
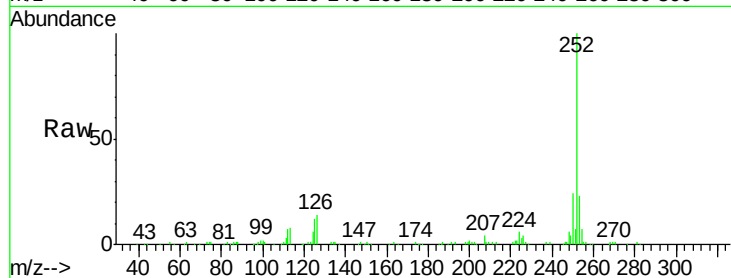
Instrument :

BNA_M

ClientSampleId :

BC9G6

Tgt Ion:	252	Resp:	124400
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.3	25.9
125	11.6	8.2	12.2



#91

Benzo(a)pyrene

Concen: 16.03 ng/ul

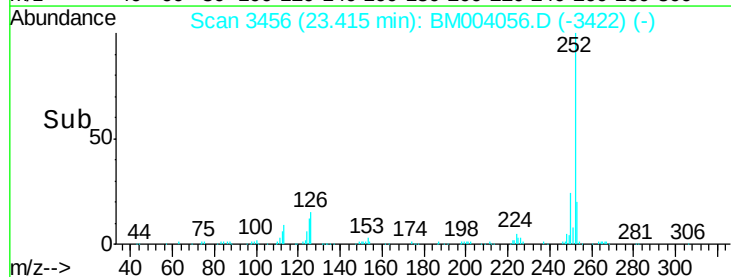
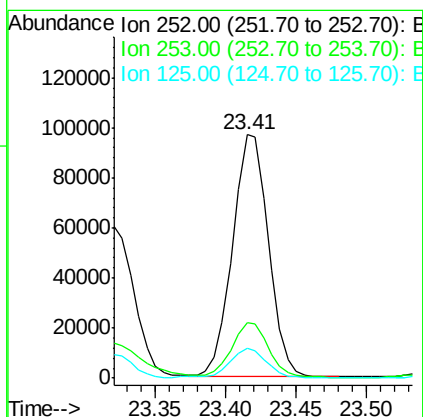
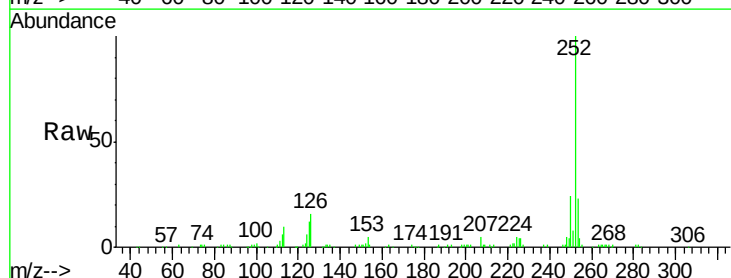
RT: 23.41 min Scan# 3456

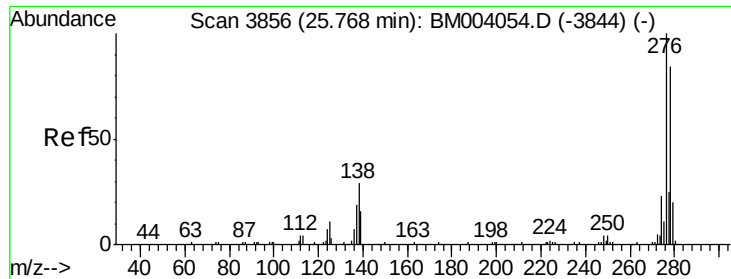
Delta R.T. -0.00 min

Lab File: BM004056.D

Acq: 15 Jan 2016 20:13

Tgt Ion:	252	Resp:	172847
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	12.3	9.0	13.6





#92

Indeno(1,2,3-cd)pyrene

Concen: 8.67 ng/ul

RT: 25.76 min Scan# 3855

Delta R.T. -0.01 min

Lab File: BM004056.D

Acq: 15 Jan 2016 20:13

Instrument :

BNA_M

ClientSampleId :

BC9G6

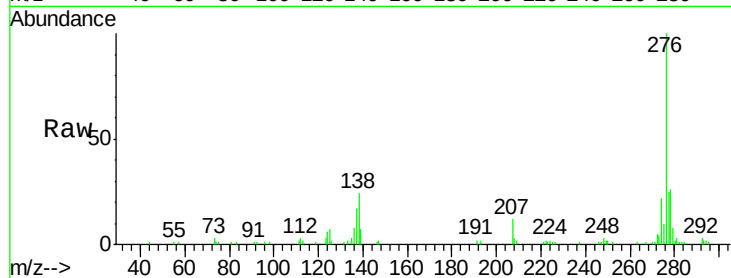
Tgt Ion:276 Resp: 103419

Ion Ratio Lower Upper

276 100

138 24.1 22.3 33.5

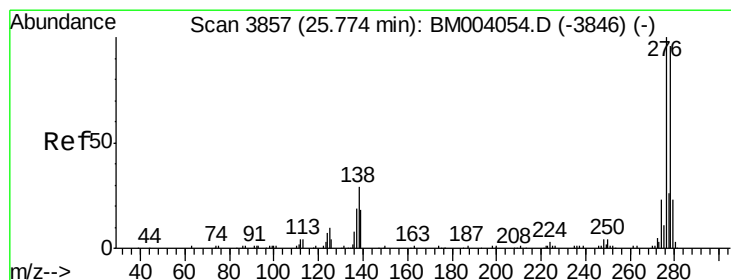
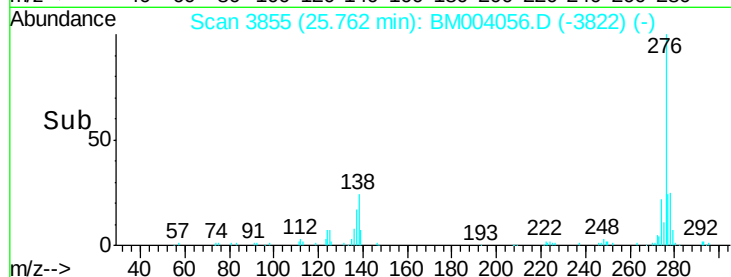
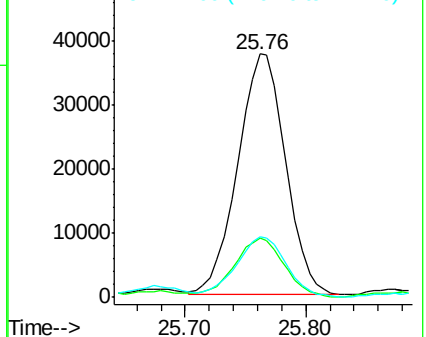
277 25.0 20.2 30.2



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



#93

Dibenzo(a,h)anthracene

Concen: 3.21 ng/ul

RT: 25.76 min Scan# 3855

Delta R.T. -0.01 min

Lab File: BM004056.D

Acq: 15 Jan 2016 20:13

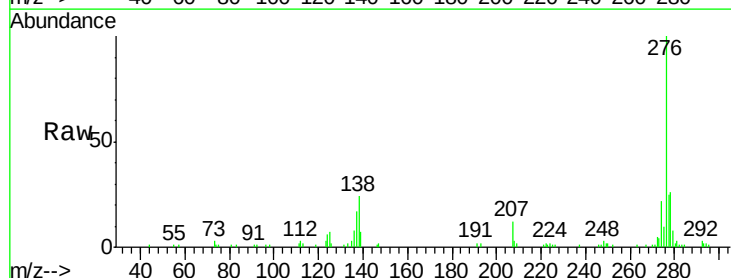
Tgt Ion:278 Resp: 32197

Ion Ratio Lower Upper

278 100

139 25.2 13.9 20.9#

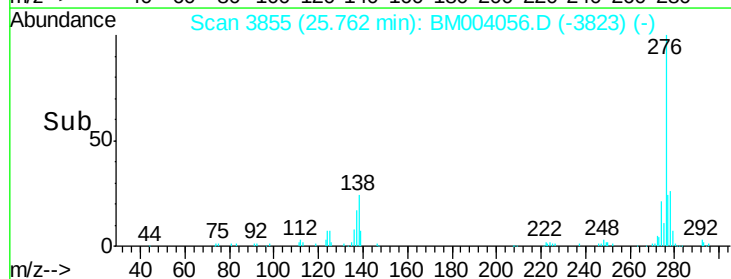
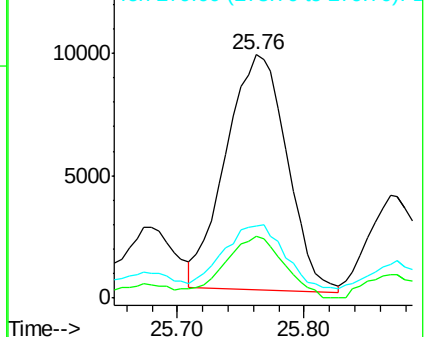
279 29.8 19.0 28.4#

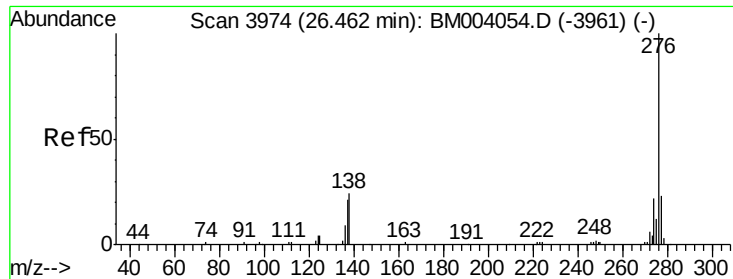


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 7.67 ng/ul

RT: 26.46 min Scan# 3973

Delta R.T. -0.01 min

Lab File: BM004056.D

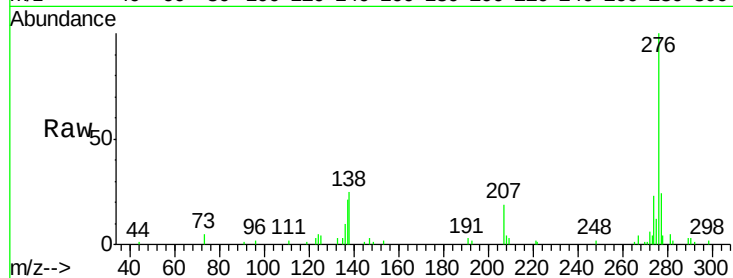
Acq: 15 Jan 2016 20:13

Instrument :

BNA_M

ClientSampleId :

BC9G6



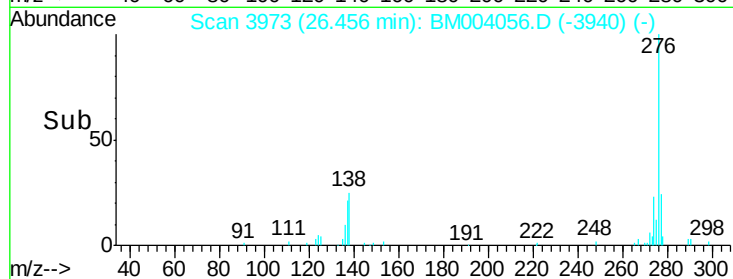
Tgt Ion: 276 Resp: 76799

Ion Ratio Lower Upper

276 100

138 24.9 18.9 28.3

277 24.4 19.2 28.8



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

