

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
 Data File : BM004002.D
 Acq On : 14 Jan 2016 02:16
 Operator : SJ/UM
 Sample : H1098-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC9D2

Quant Time: Jan 14 11:42:56 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 13 06:45:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	42192	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	204016	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	121036	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	271870	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	247575	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	206169	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	2904	3.08	ng/uL	0.00
5) Phenol-d5	6.84	99	68137	19.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	42265	21.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	59703	20.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	48306	17.02	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	30040	19.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	33259	19.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	59074	19.74	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	73511	18.60	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	208026	21.89	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	255285	22.05	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	24707	14.48	ng/ul	0.00
58) Fluorene-d10	15.32	176	187154	23.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	20950	13.66	ng/ul	0.00
71) Anthracene-d10	17.17	188	293550	23.35	ng/ul	0.00
79) Pyrene-d10	19.47	212	311495	24.29	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	244626	23.76	ng/ul	0.00

Target Compounds

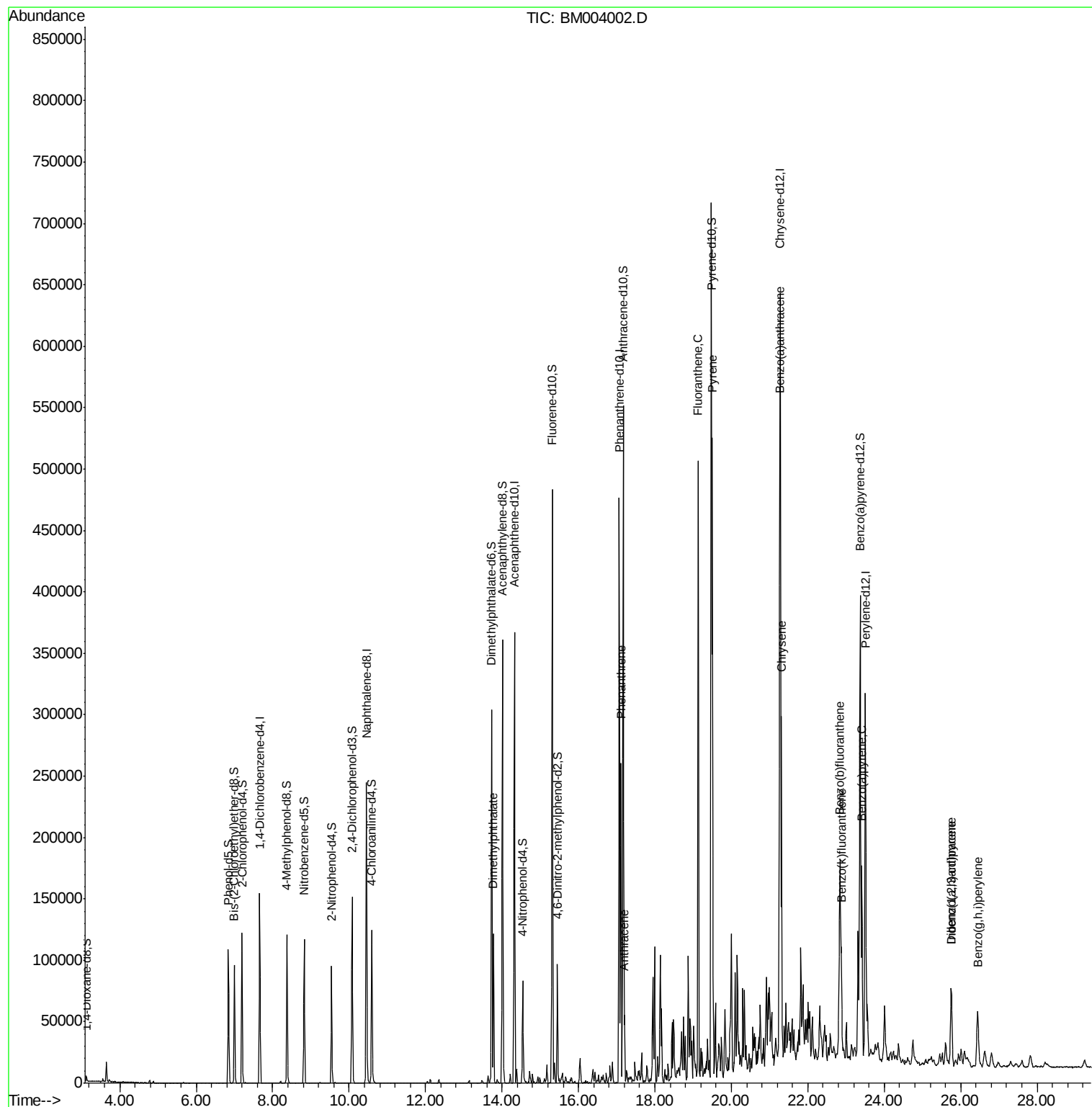
						Qvalue
45) Dimethylphthalate	13.77	163	77775	8.03	ng/ul	99
70) Phenanthrene	17.11	178	152603	9.98	ng/ul	99
72) Anthracene	17.20	178	36246	2.31	ng/ul	100
77) Fluoranthene	19.14	202	291547	18.35	ng/ul	100
80) Pyrene	19.50	202	310421	18.47	ng/ul	99
83) Benzo(a)anthracene	21.26	228	142073	9.64	ng/ul	98
85) Chrysene	21.31	228	148182	10.58	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	137744	10.99	ng/ul	98
89) Benzo(k)fluoranthene	22.87	252	44754m	3.75	ng/ul	
91) Benzo(a)pyrene	23.41	252	105015	8.83	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.76	276	59101	4.49	ng/ul	96
93) Dibenzo(a,h)anthracene	25.75	278	19180	1.74	ng/ul#	89
94) Benzo(g,h,i)perylene	26.44	276	58604	5.31	ng/ul	99

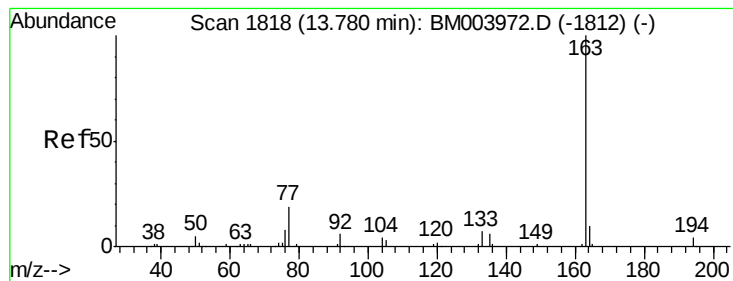
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 13 06:45:02 2016
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 8.03 ng/ul

RT: 13.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BM004002.D

Acq: 14 Jan 2016 02:16

Instrument :

BNA_M

ClientSampleId :

BC9D2

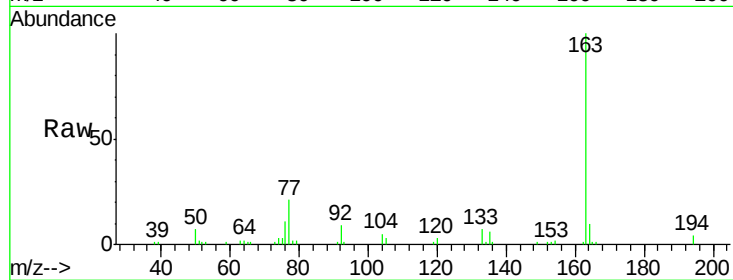
Tgt Ion:163 Resp: 77775

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

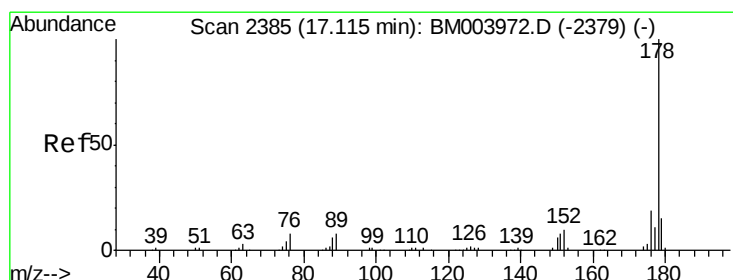
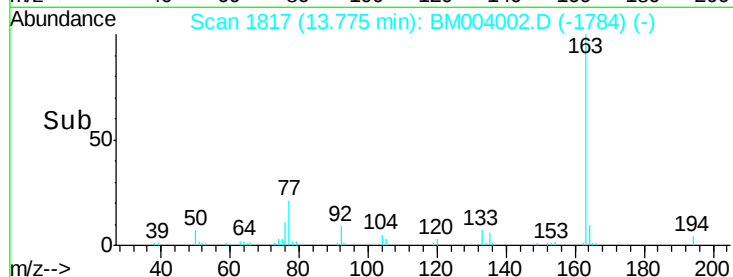
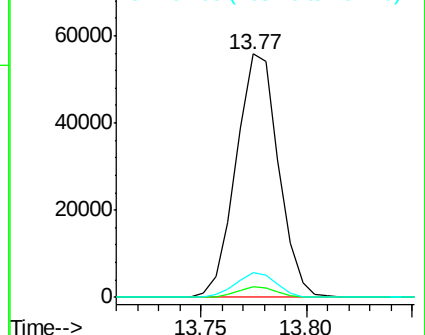
164 10.1 7.8 11.8



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



#70

Phenanthrene

Concen: 9.98 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM004002.D

Acq: 14 Jan 2016 02:16

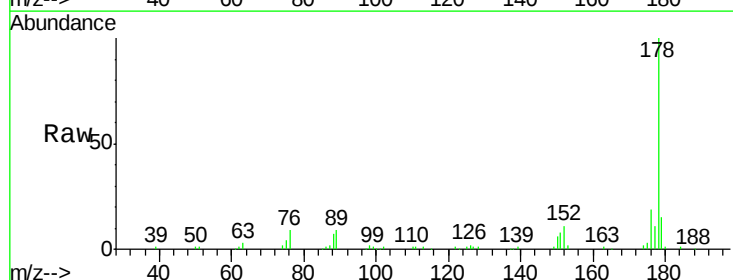
Tgt Ion:178 Resp: 152603

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

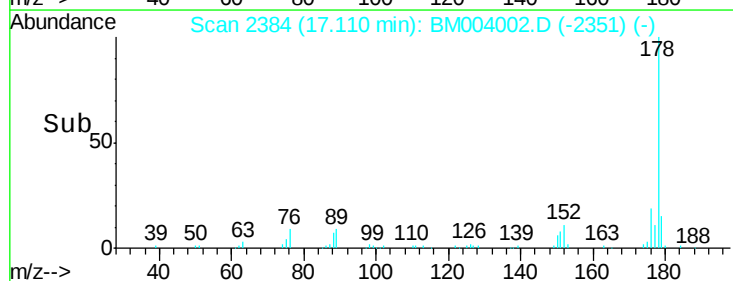
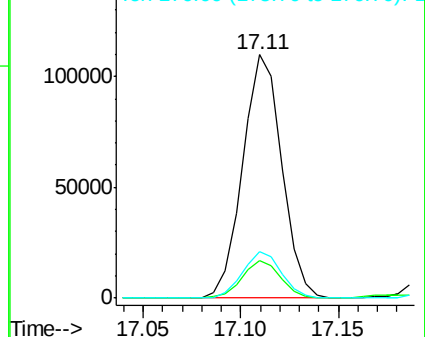
176 18.9 15.6 23.4

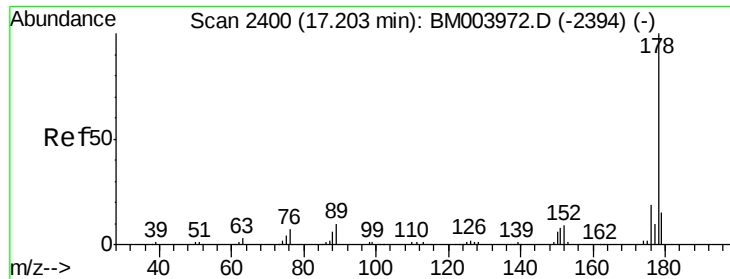


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.31 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM004002.D

Acq: 14 Jan 2016 02:16

Instrument :

BNA_M

ClientSampleId :

BC9D2

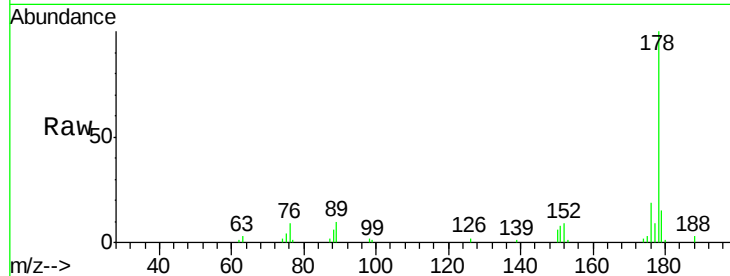
Tgt Ion:178 Resp: 36246

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

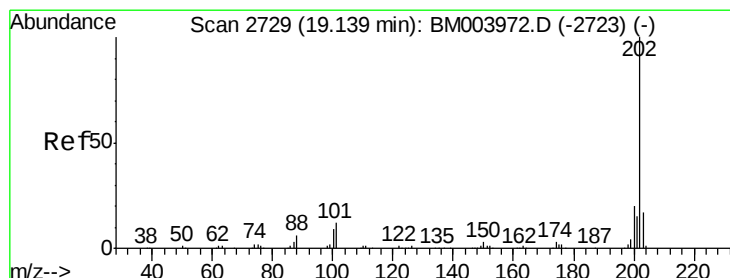
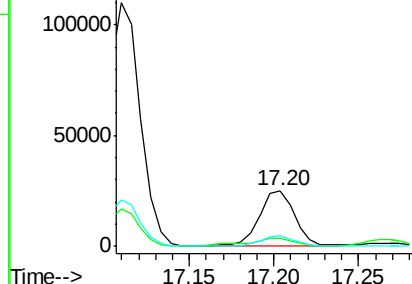
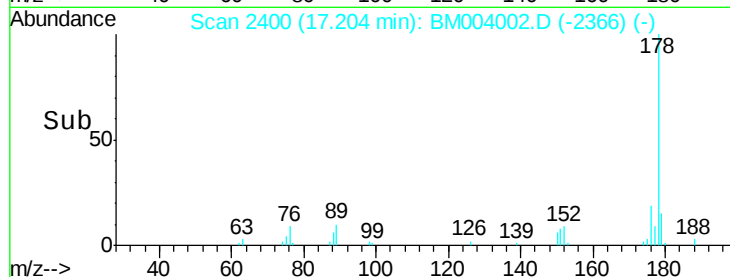
176 18.7 14.8 22.2



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



#77

Fluoranthene

Concen: 18.35 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM004002.D

Acq: 14 Jan 2016 02:16

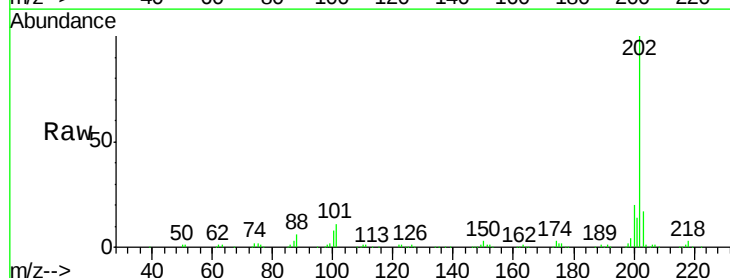
Tgt Ion:202 Resp: 291547

Ion Ratio Lower Upper

202 100

101 11.2 8.8 13.2

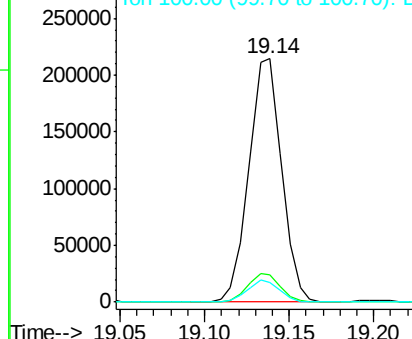
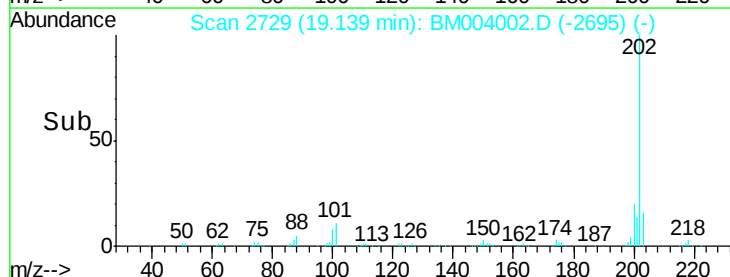
100 8.2 6.6 9.8

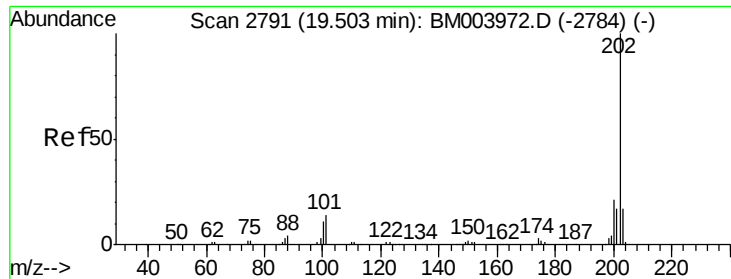


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

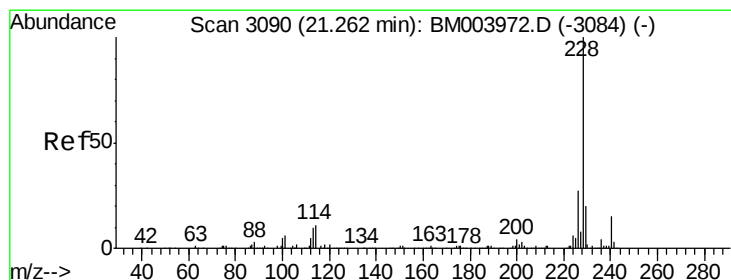
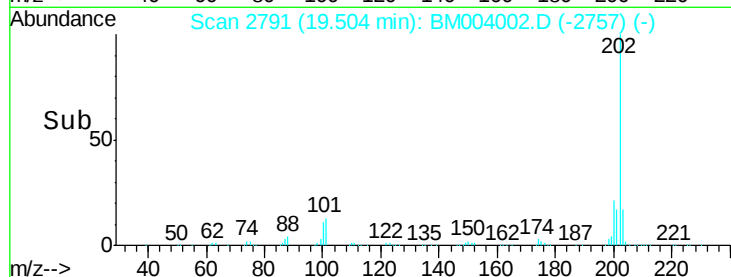
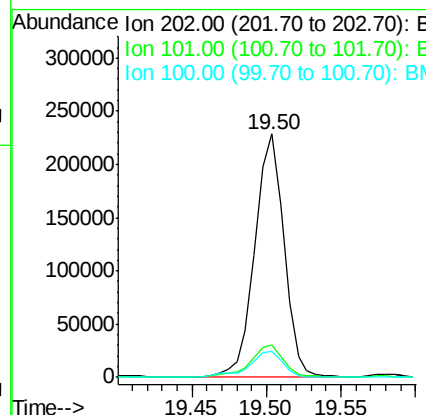
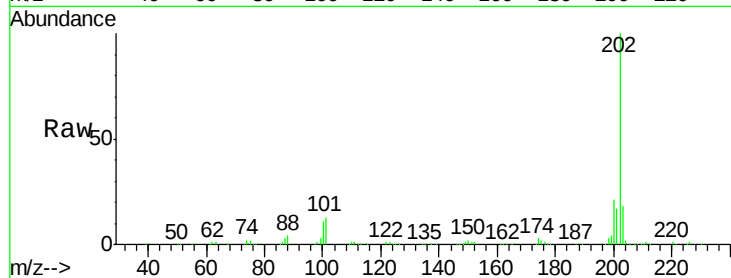




#80
 Pyrene
 Concen: 18.47 ng/u1
 RT: 19.50 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: BM004002.D
 Acq: 14 Jan 2016 02:16

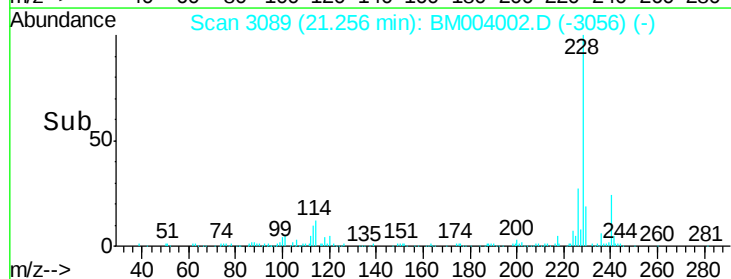
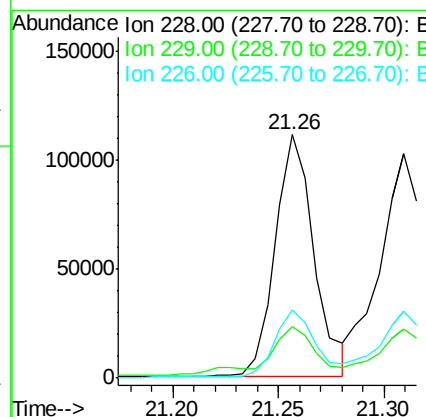
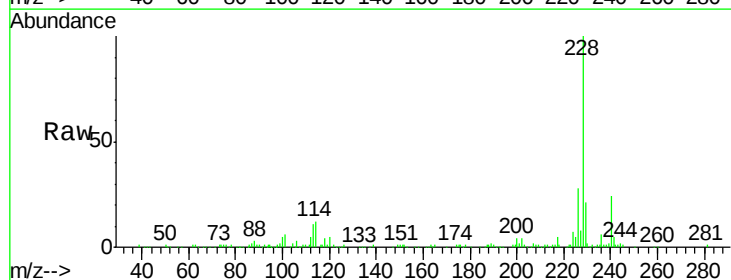
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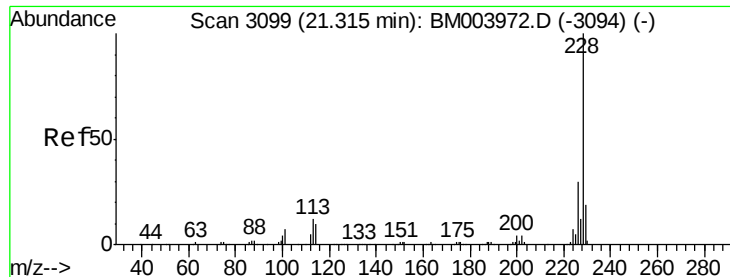
Tgt Ion:202 Resp: 310421
 Ion Ratio Lower Upper
 202 100
 101 13.2 10.2 15.2
 100 10.8 8.5 12.7



#83
 Benzo(a)anthracene
 Concen: 9.64 ng/u1
 RT: 21.26 min Scan# 3089
 Delta R.T. -0.01 min
 Lab File: BM004002.D
 Acq: 14 Jan 2016 02:16

Tgt Ion:228 Resp: 142073
 Ion Ratio Lower Upper
 228 100
 229 21.0 15.7 23.5
 226 27.9 21.8 32.6





#85

Chrysene

Concen: 10.58 ng/u1

RT: 21.31 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM004002.D

Acq: 14 Jan 2016 02:16

Instrument :

BNA_M

ClientSampled :

BC9D2

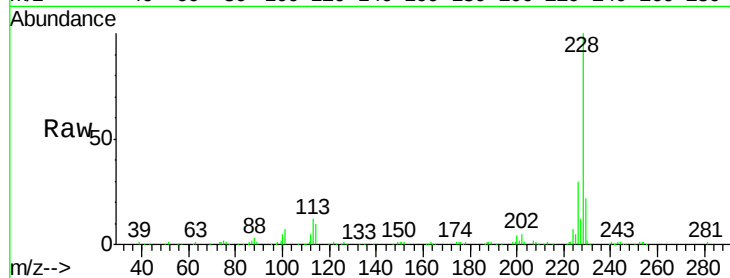
Tgt Ion:228 Resp: 148182

Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

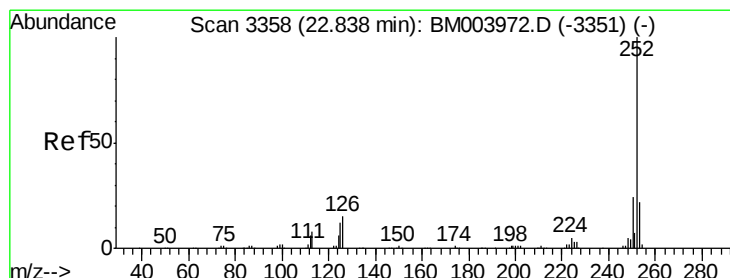
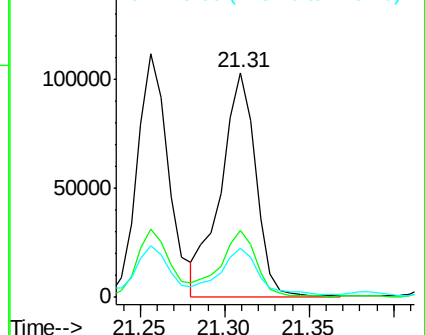
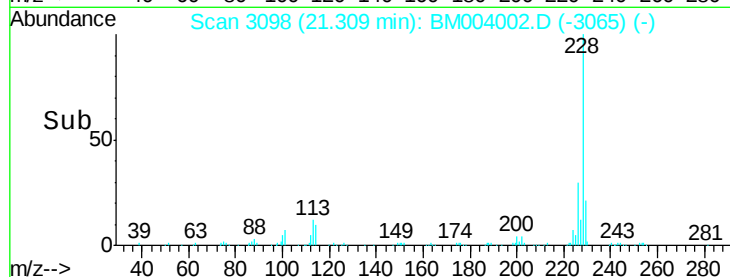
229 21.9 15.6 23.4



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: 10.99 ng/u1

RT: 22.84 min Scan# 3358

Delta R.T. 0.00 min

Lab File: BM004002.D

Acq: 14 Jan 2016 02:16

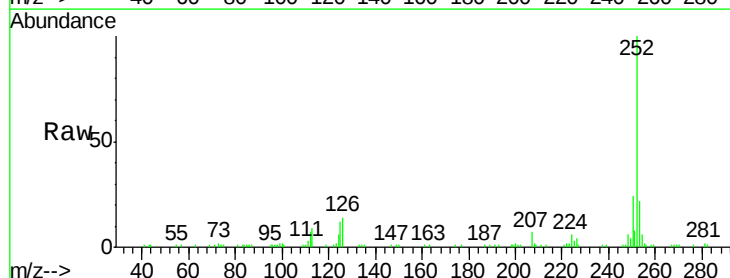
Tgt Ion:252 Resp: 137744

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

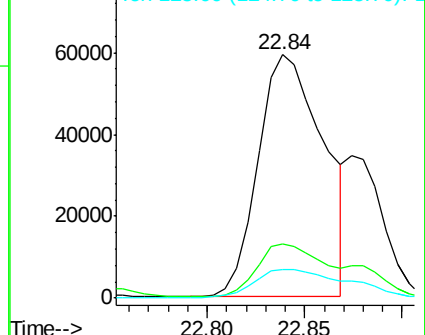
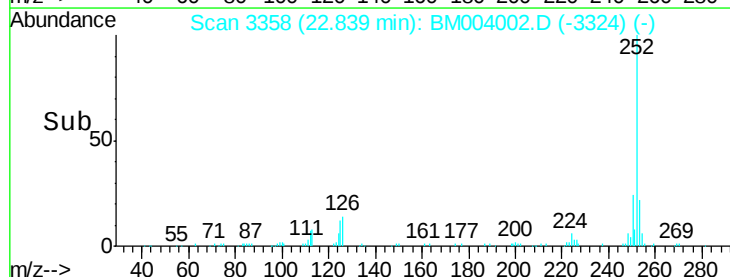
125 11.8 8.5 12.7

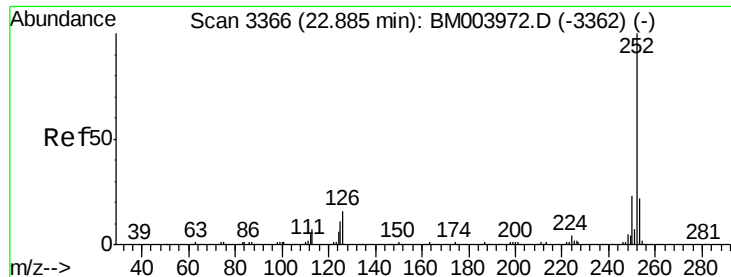


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.75 ng/ul m

RT: 22.87 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BM004002.D

Acq: 14 Jan 2016 02:16

Instrument :

BNA_M

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BC9D2

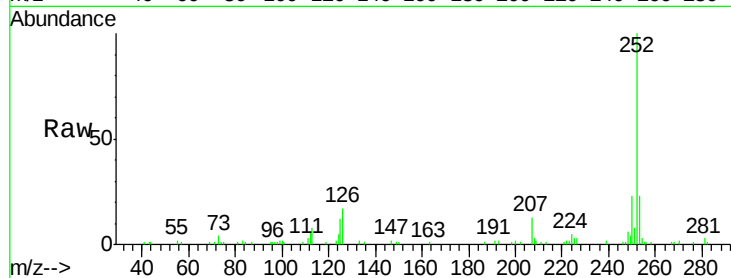
Tgt Ion:252 Resp: 44754

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

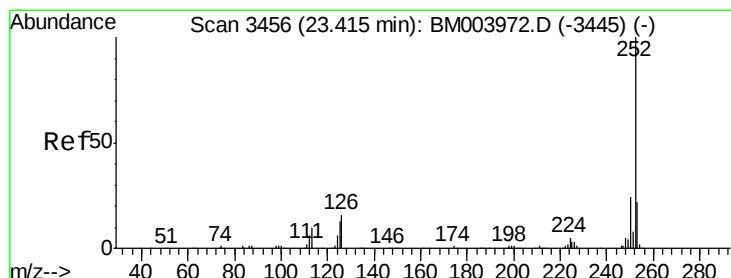
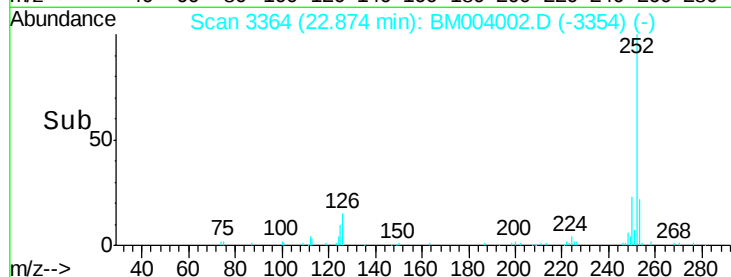
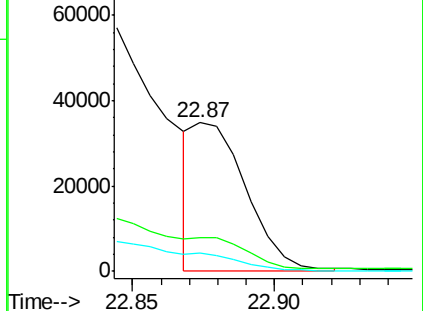
125 12.3 8.2 12.2#



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

Benzo(a)pyrene

Concen: 8.83 ng/ul

RT: 23.41 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM004002.D

Acq: 14 Jan 2016 02:16

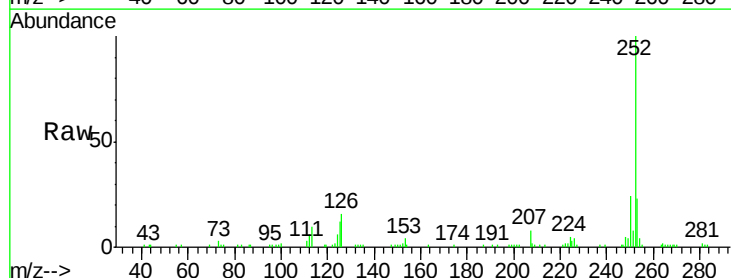
Tgt Ion:252 Resp: 105015

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

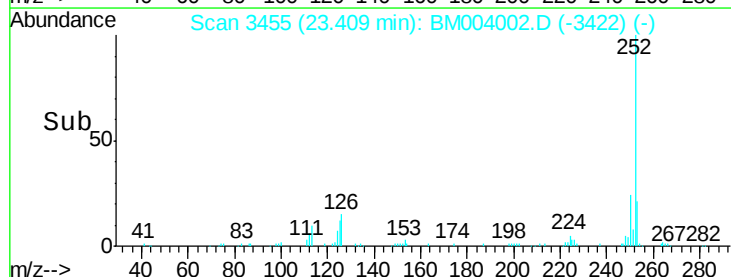
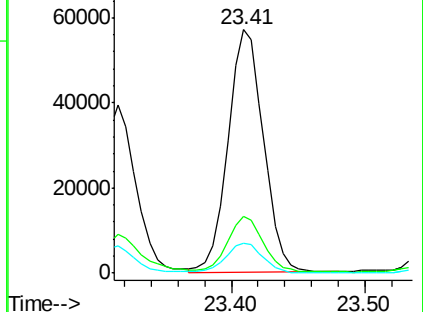
125 12.4 9.0 13.6

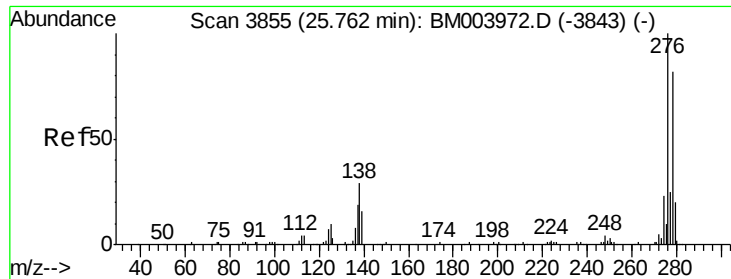


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 4.49 ng/ul

RT: 25.76 min Scan# 3854

Delta R.T. -0.01 min

Lab File: BM004002.D

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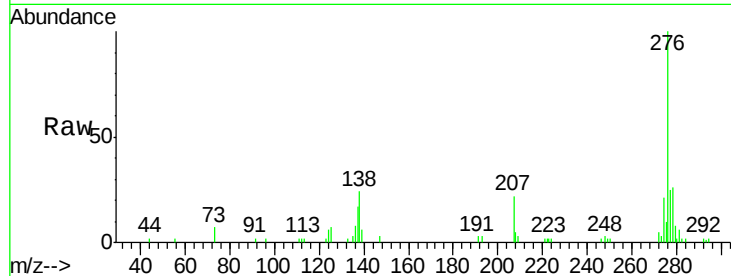
Tgt Ion:276 Resp: 59101

Ion Ratio Lower Upper

276 100

138 23.8 22.3 33.5

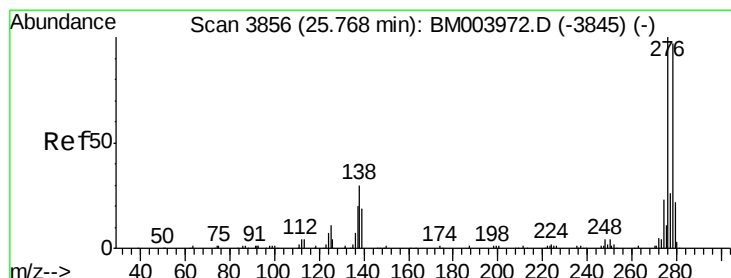
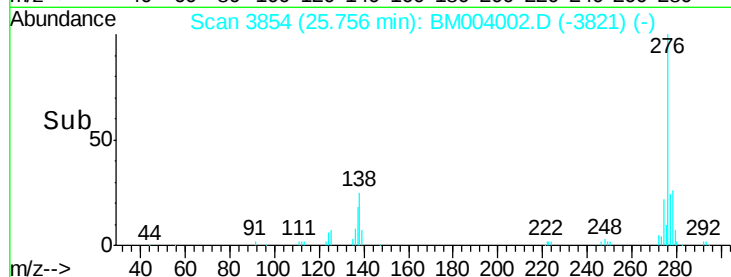
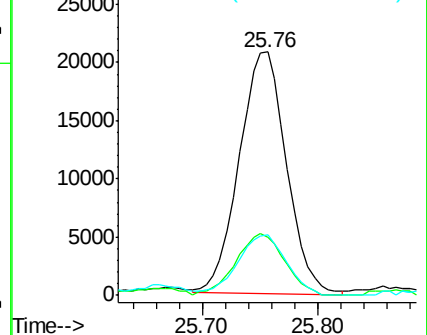
277 24.9 20.2 30.2



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: 1.74 ng/ul

RT: 25.75 min Scan# 3853

Delta R.T. -0.02 min

Lab File: BM004002.D

Acq: 14 Jan 2016 02:16

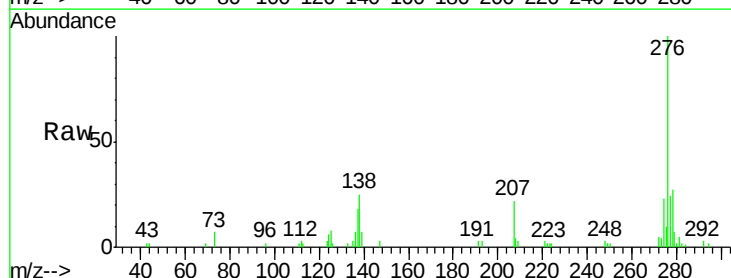
Tgt Ion:278 Resp: 19180

Ion Ratio Lower Upper

278 100

139 24.6 13.9 20.9#

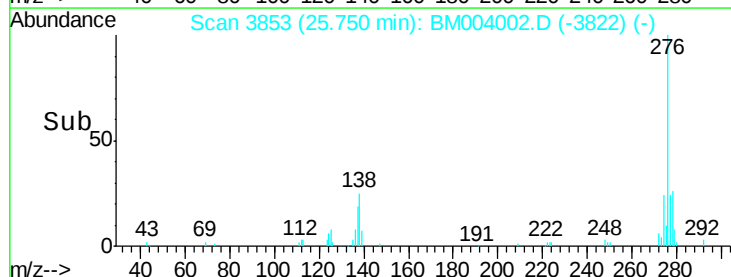
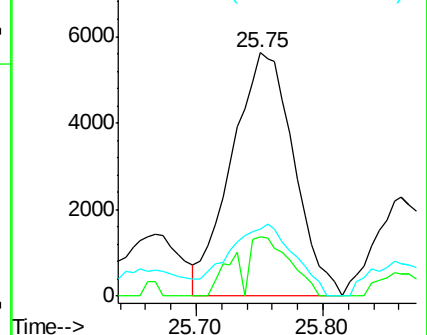
279 27.4 19.0 28.4

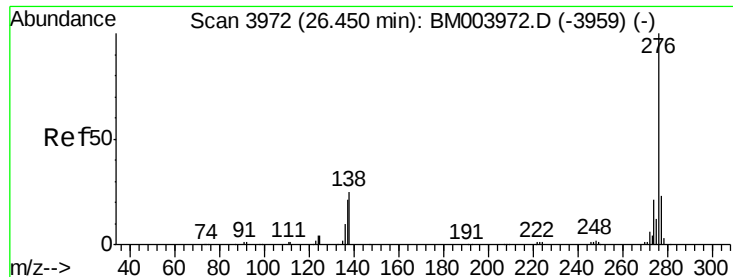


Abundance Ion 278.00 (277.70 to 278.70): E

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: 5.31 ng/ul

RT: 26.44 min Scan# 3971

Delta R.T. -0.01 min

Lab File: BM004002.D

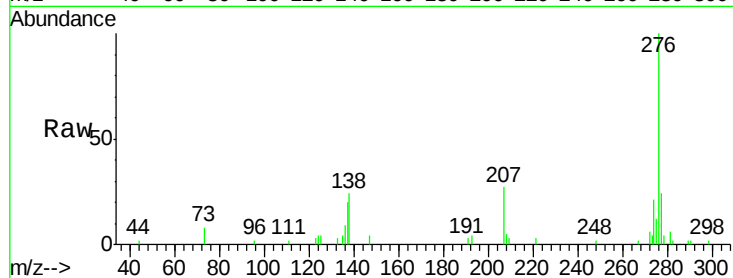
Acq: 14 Jan 2016 02:16

Instrument :

BNA_M

ClientSampleId :

BC9D2



Tgt Ion:	276	Resp:	58604
Ion	Ratio	Lower	Upper
276	100		
138	24.3	18.9	28.3
277	24.2	19.2	28.8

