

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
 Data File : BM011660.D
 Acq On : 21 Sep 2017 19:01
 Operator : SJ/JU
 Sample : I5283-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 22 03:52:44 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 22 03:47:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	320522	20.00	ng/ul	0.00
18) Naphthalene-d8	10.77	136	1481588	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	837225	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	1849085	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	2019905	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1683024	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	1140	0.16	ng/uL	0.01
5) Phenol-d5	7.12	99	38241	1.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.29	67	106979	5.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	49620	2.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	39955	1.66	ng/ul	0.00
19) Nitrobenzene-d5	9.13	128	49427	4.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	2767	0.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.39	165	23177	0.98	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	383	0.01	ng/ul	-0.03
44) Dimethylphthalate-d6	13.99	166	38523	0.54	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	419486	4.90	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.58	176	348175	5.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.43	188	516948	5.68	ng/ul	0.00
79) Pyrene-d10	19.72	212	622888	6.59	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.72	264	469314	5.85	ng/ul	0.00

Target Compounds

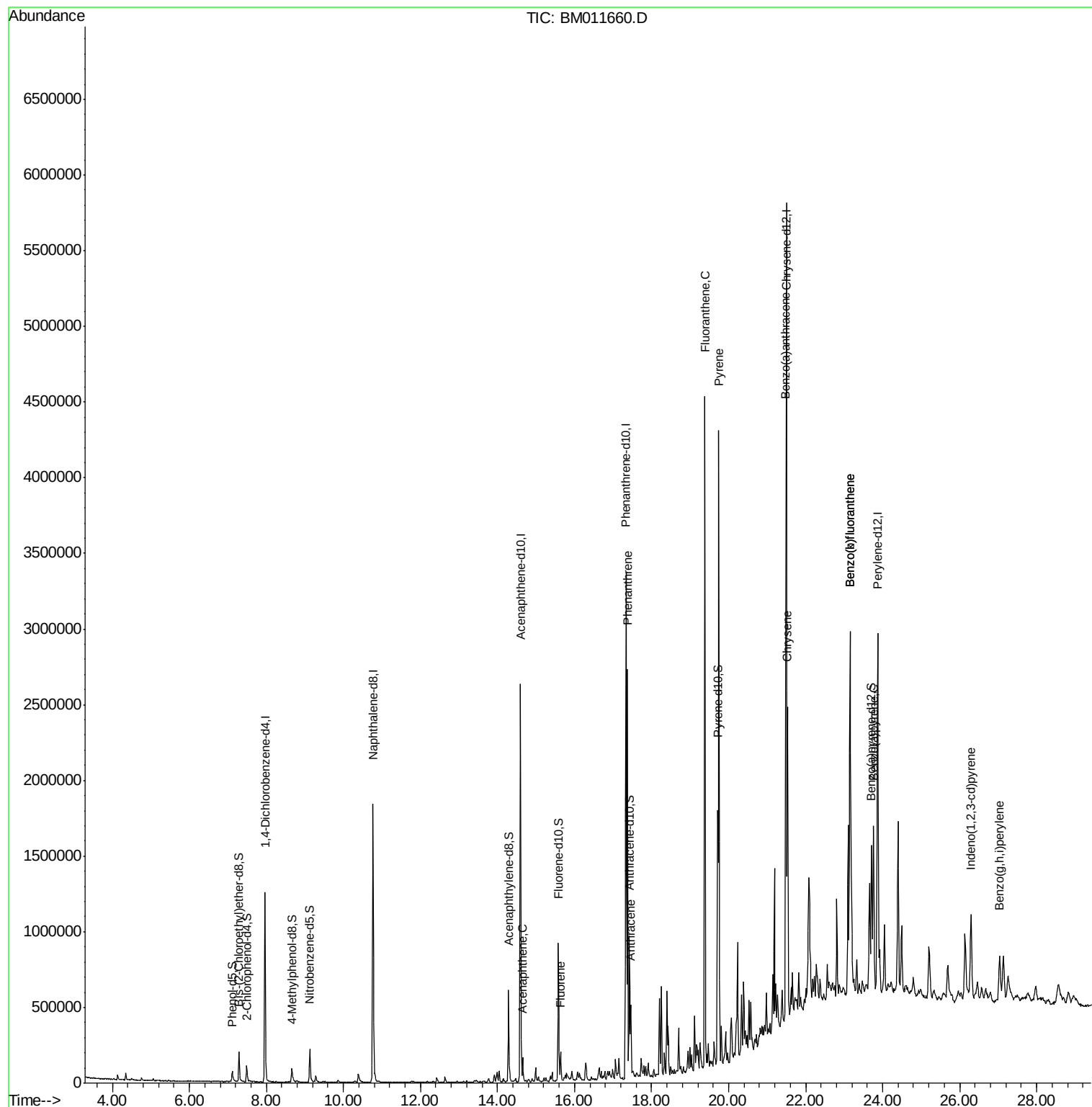
					Ovalue	
50) Acenaphthene	14.66	153	58443	1.004	ng/ul	95
59) Fluorene	15.64	166	78002	1.143	ng/ul	100
70) Phenanthrene	17.37	178	1495751	14.512	ng/ul	99
72) Anthracene	17.46	178	272934	2.581	ng/ul	98
77) Fluoranthene	19.38	202	2446286	23.076	ng/ul#	90
80) Pyrene	19.74	202	2360511	20.030	ng/ul#	89
83) Benzo(a)anthracene	21.48	228	1221277	10.981	ng/ul	98
85) Chrysene	21.53	228	1094062	10.851	ng/ul	99
88) Benzo(b)fluoranthene	23.15	252	1224319	12.092	ng/ul#	94
89) Benzo(k)fluoranthene	23.15	252	1224319	12.591	ng/ul#	94
91) Benzo(a)pyrene	23.76	252	776499	8.125	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	26.29	276	409103	3.891	ng/ul#	89
94) Benzo(g,h,i)perylene	27.04	276	364156	4.277	ng/ul#	87

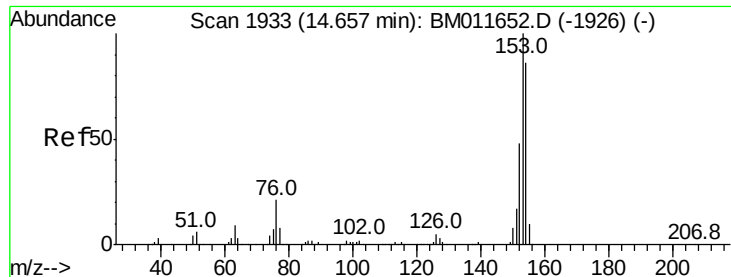
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
Data File : BM011660.D
Acq On : 21 Sep 2017 19:01
Operator : SJ/JU
Sample : I5283-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Sep 22 03:52:44 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 22 03:47:29 2017
Response via : Initial Calibration





#50

Acenaphthene

Concen: 1.004 ng/ul

RT: 14.66 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

Instrument :

BNA_M

ClientSampleId :

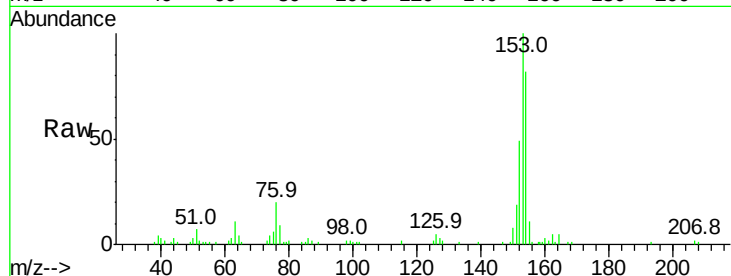
Tot Ion:153 Resp: 58443

Ion Ratio Lower Upper

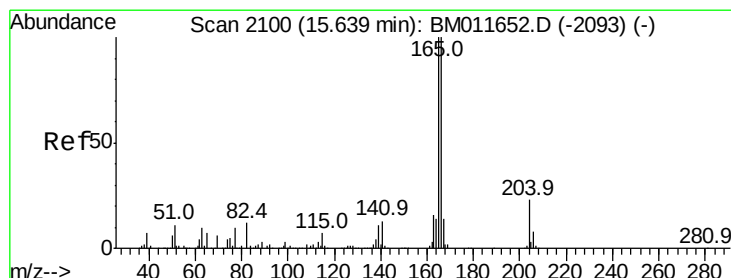
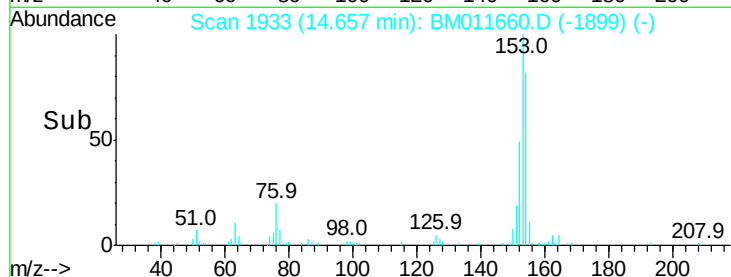
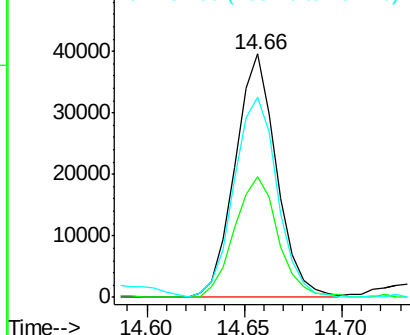
153 100

152 49.5 37.9 56.9

154 82.0 69.8 104.6



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: 1.143 ng/ul

RT: 15.64 min Scan# 2100

Delta R.T. 0.00 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

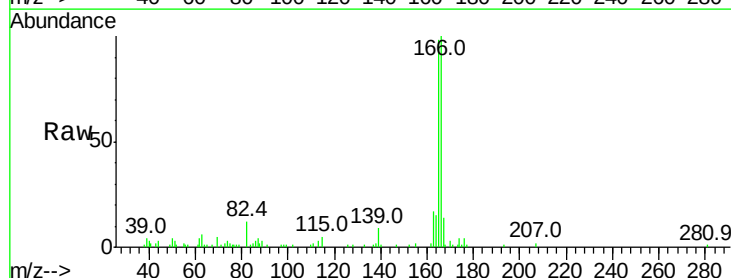
Tgt Ion:166 Resp: 78002

Ion Ratio Lower Upper

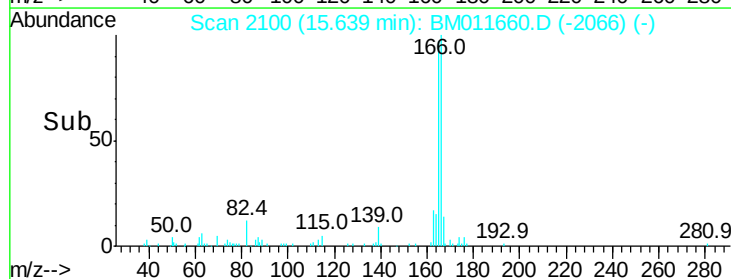
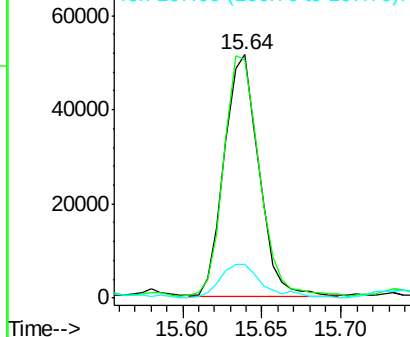
166 100

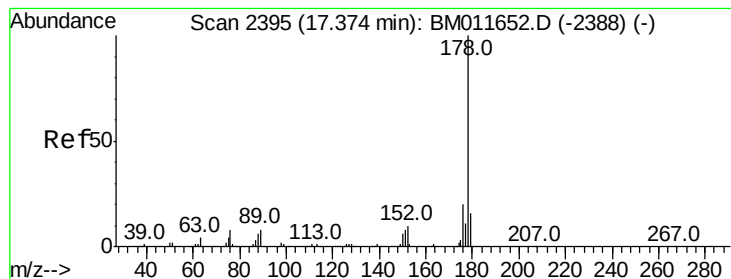
165 98.1 78.4 117.6

167 14.1 11.1 16.7



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: 14.512 ng/ul

RT: 17.37 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

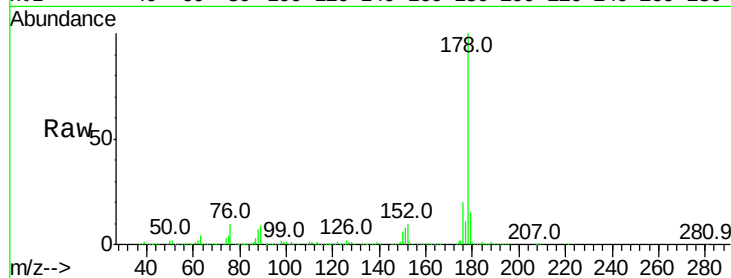
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1495751

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	19.7	15.4	23.0

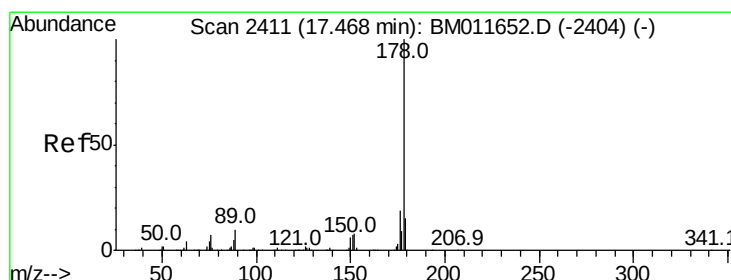
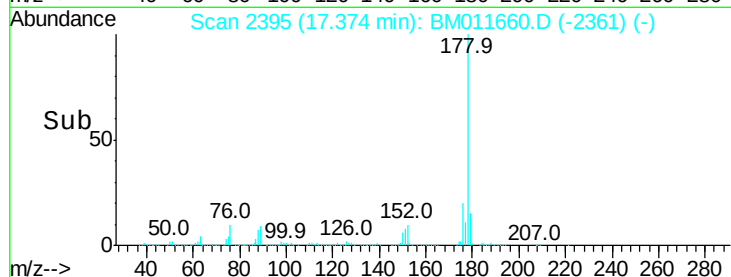
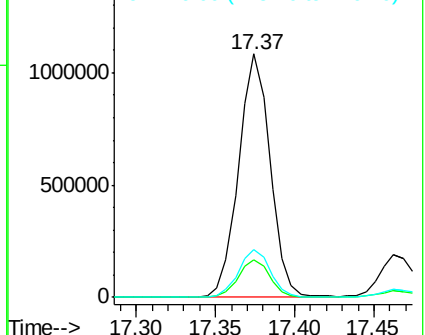


Abundance

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: 2.581 ng/ul

RT: 17.46 min Scan# 2410

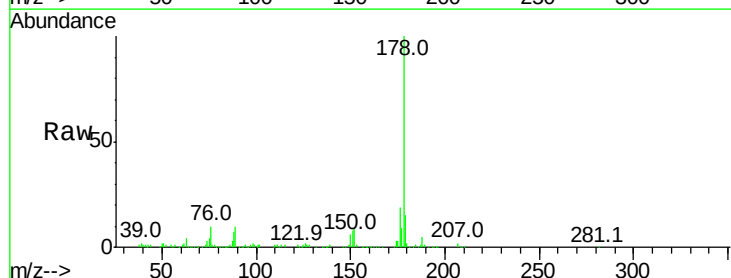
Delta R.T. -0.01 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

Tgt Ion:178 Resp: 272934

Ion	Ratio	Lower	Upper
178	100		
179	15.3	13.4	20.2
176	19.1	15.4	23.0

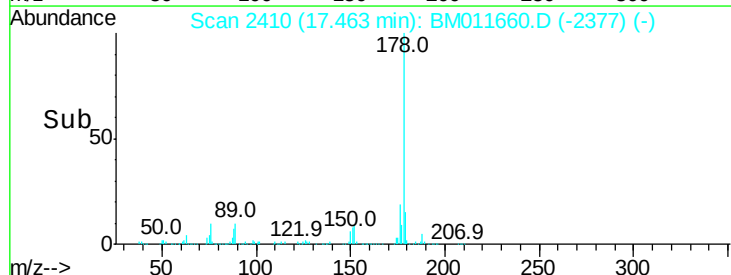
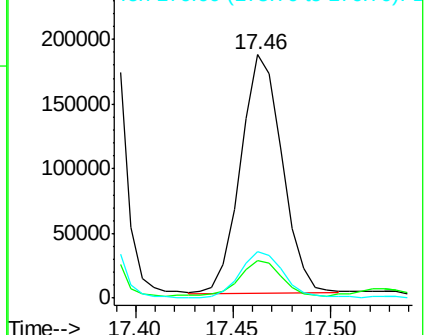


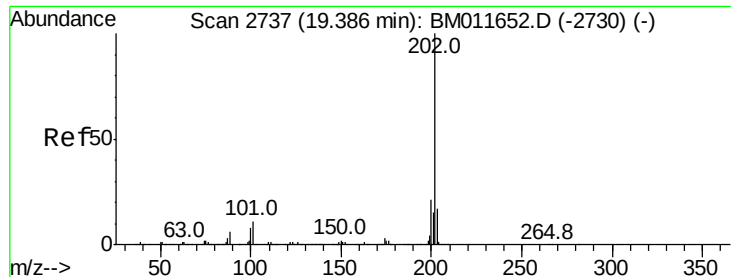
Abundance

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

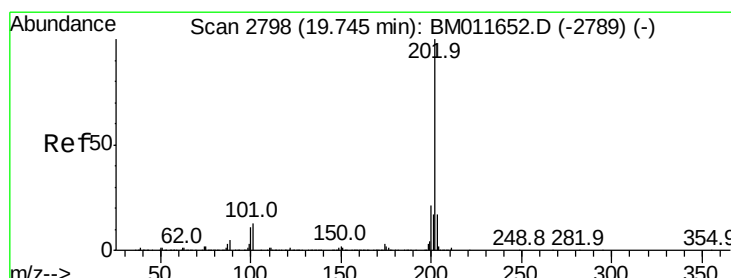
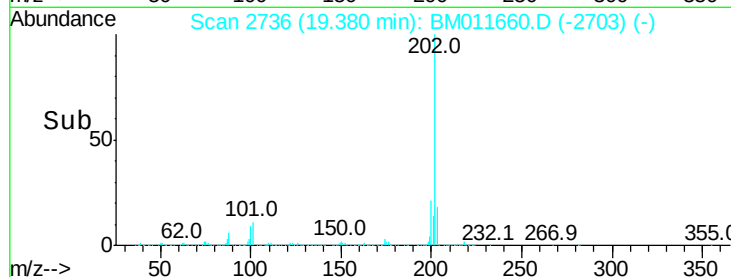
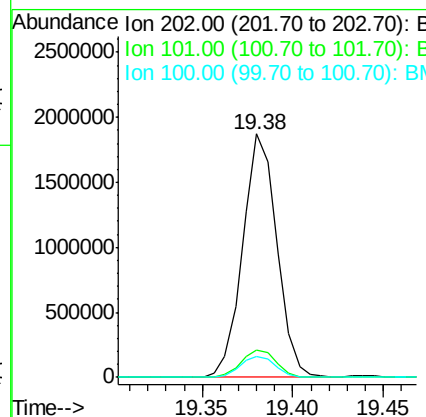
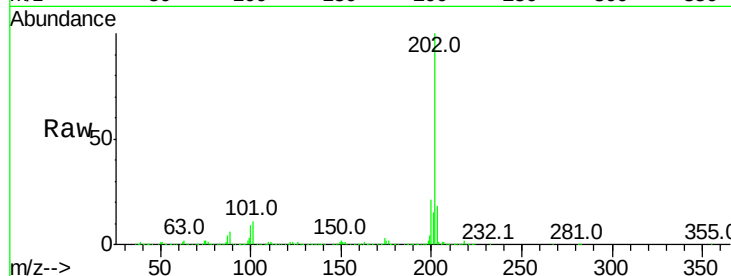




#77
 Fluoranthene
 Concen: 23.076 ng/ul
 RT: 19.38 min Scan# 2736
 Delta R.T. -0.01 min
 Lab File: BM011660.D
 Acq: 21 Sep 2017 19:01

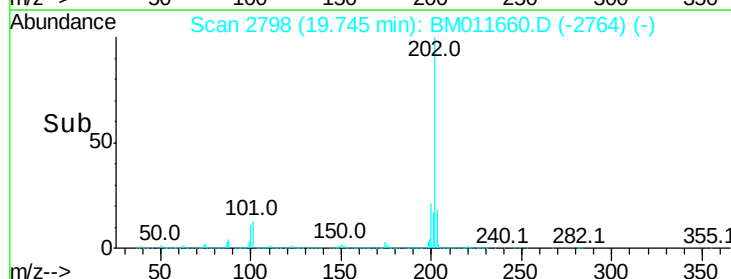
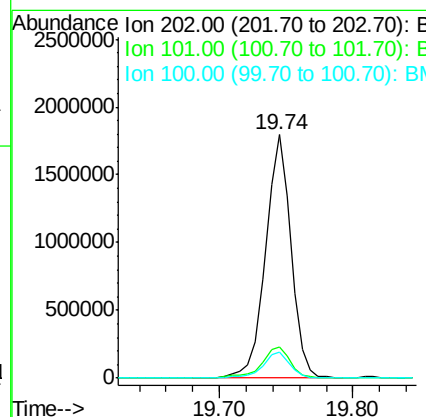
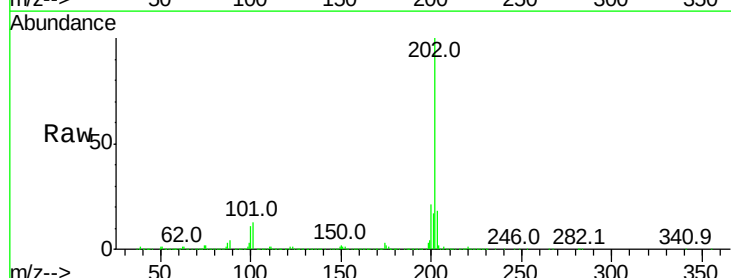
Instrument :
 BNA_M
 ClientSampled :

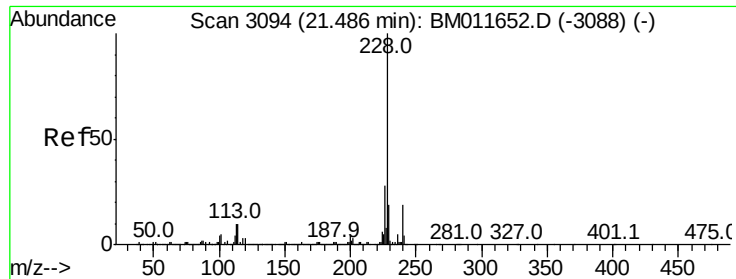
Tot Ion:202 Resp: 2446286
 Ion Ratio Lower Upper
 202 100
 101 11.5 6.1 9.1#
 100 8.8 4.6 7.0#



#80
 Pyrene
 Concen: 20.030 ng/ul
 RT: 19.74 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BM011660.D
 Acq: 21 Sep 2017 19:01

Tgt Ion:202 Resp: 2360511
 Ion Ratio Lower Upper
 202 100
 101 13.0 6.9 10.3#
 100 10.6 5.6 8.4#

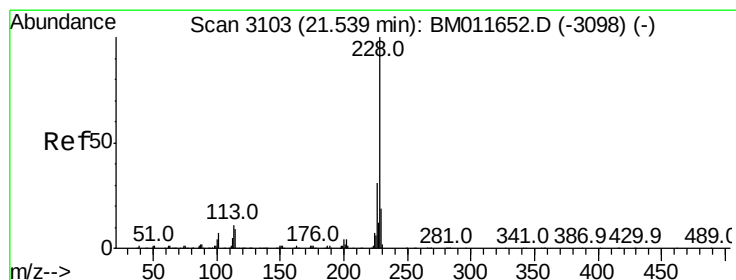
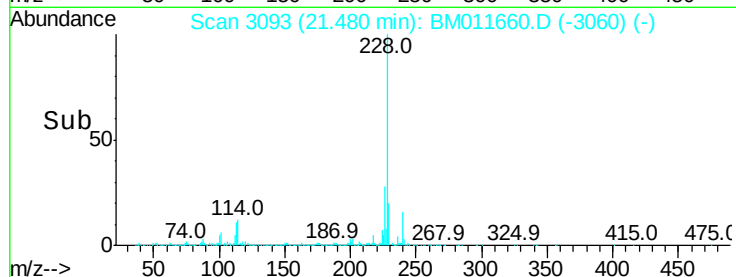
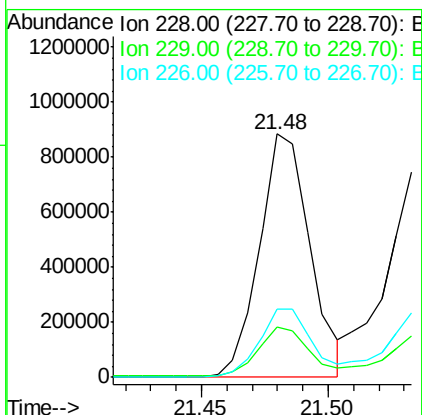
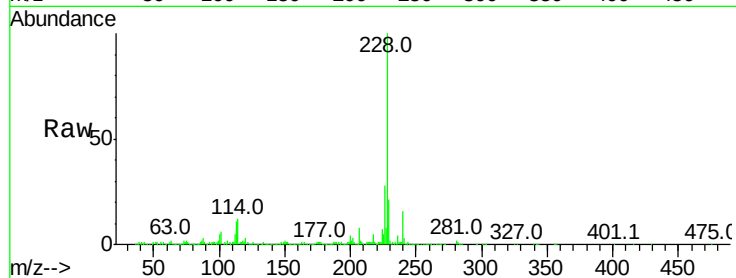




#83
Benzo(a)anthracene
Concen: 10.981 ng/ul
RT: 21.48 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM011660.D
Acq: 21 Sep 2017 19:01

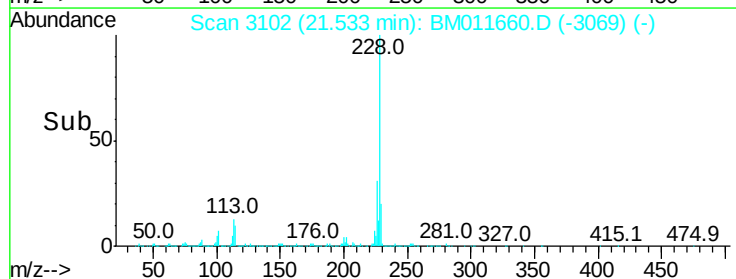
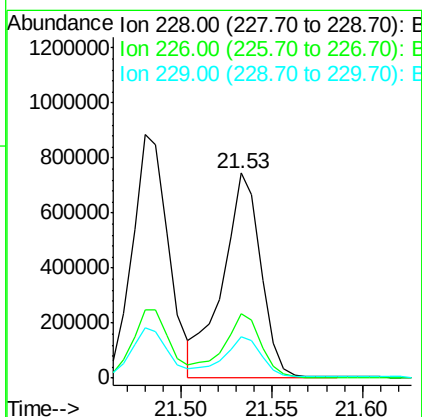
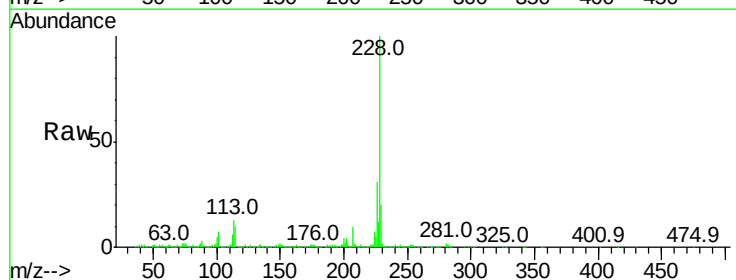
Instrument :
BNA_M
ClientSampleId :

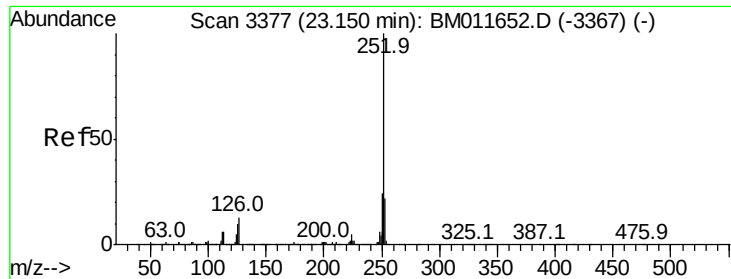
Tot Ion:228 Resp: 1221277
Ion Ratio Lower Upper
228 100
229 20.9 16.0 24.0
226 28.1 21.8 32.8



#85
Chrysene
Concen: 10.851 ng/ul
RT: 21.53 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM011660.D
Acq: 21 Sep 2017 19:01

Tgt Ion:228 Resp: 1094062
Ion Ratio Lower Upper
228 100
226 31.4 24.1 36.1
229 19.9 16.0 24.0





#88

Benzo(b)fluoranthene

Concen: 12.092 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. 0.00 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

Instrument :

BNA_M

ClientSampleId :

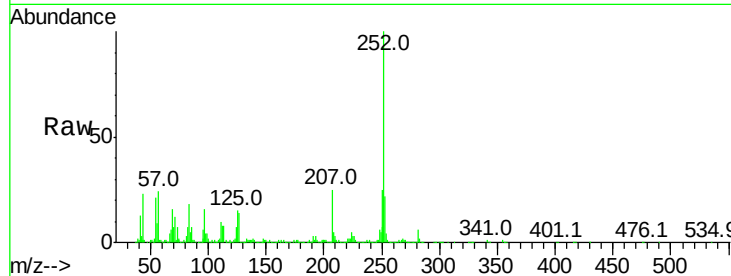
Tot Ion:252 Resp: 1224319

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

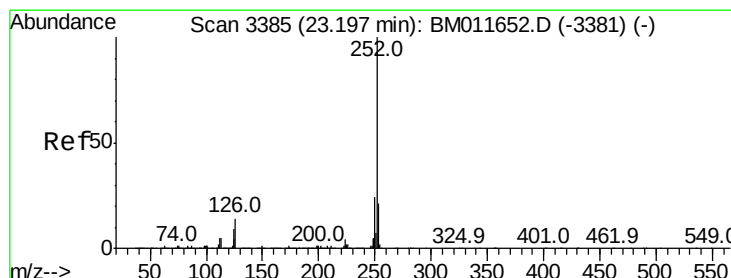
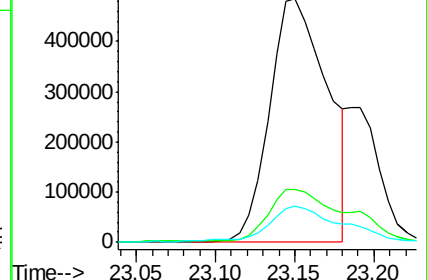
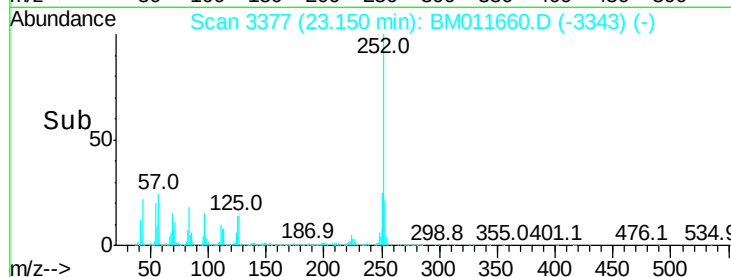
125 14.8 4.9 7.3#



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: 12.591 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. -0.05 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

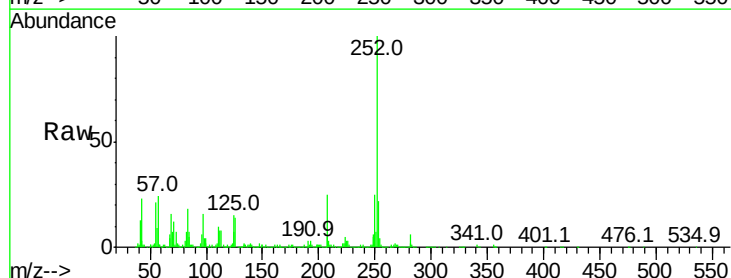
Tgt Ion:252 Resp: 1224319

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

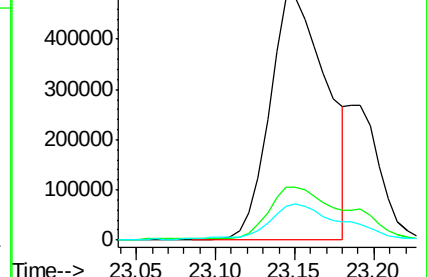
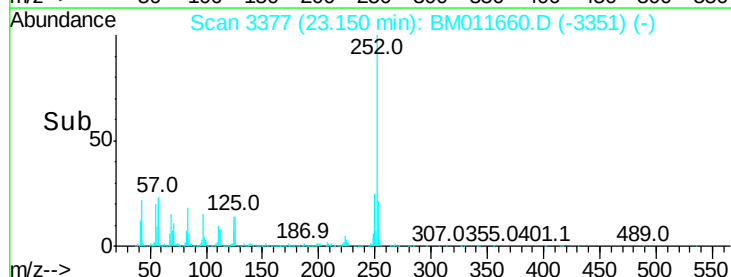
125 14.8 5.4 8.0#

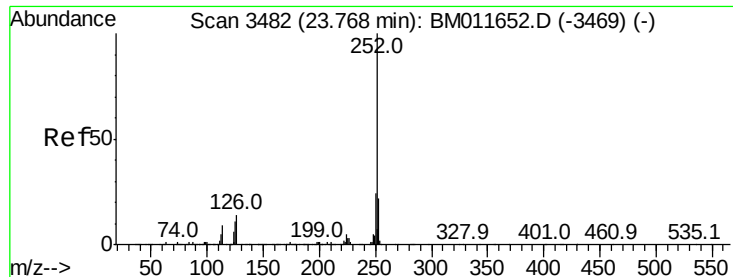


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 8.125 ng/ul

RT: 23.76 min Scan# 3481

Delta R.T. -0.01 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

Instrument :

BNA_M

ClientSampleId :

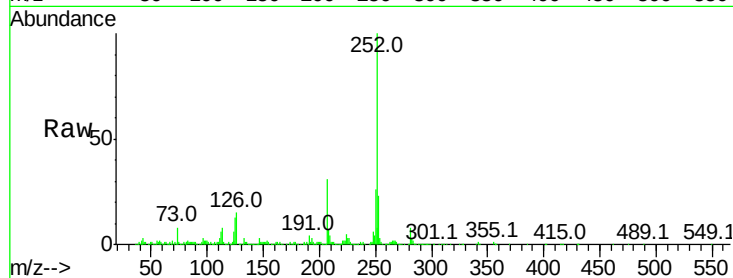
Tot Ion:252 Resp: 776499

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

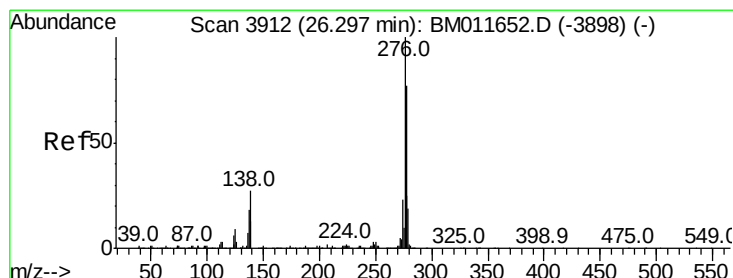
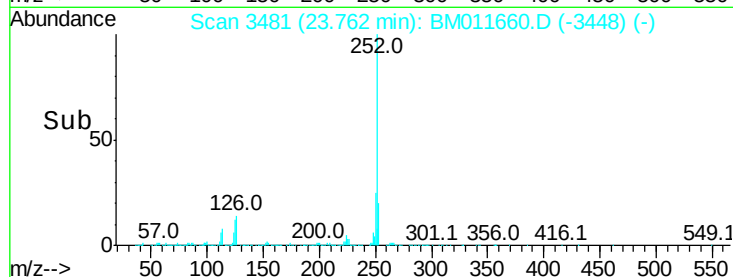
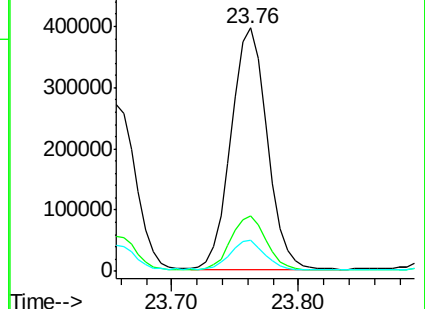
125 12.9 5.8 8.6#



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: 3.891 ng/ul

RT: 26.29 min Scan# 3910

Delta R.T. -0.01 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

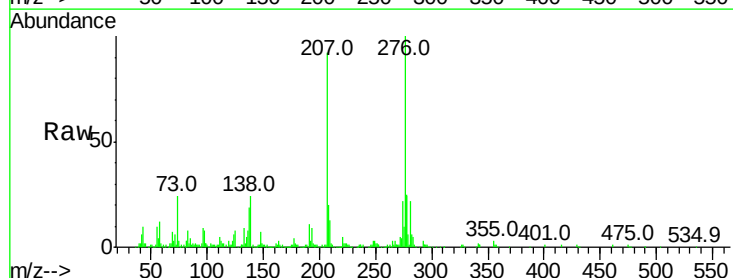
Tgt Ion:276 Resp: 409103

Ion Ratio Lower Upper

276 100

138 23.5 10.9 16.3#

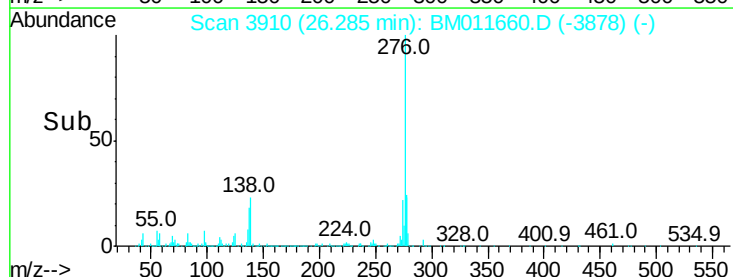
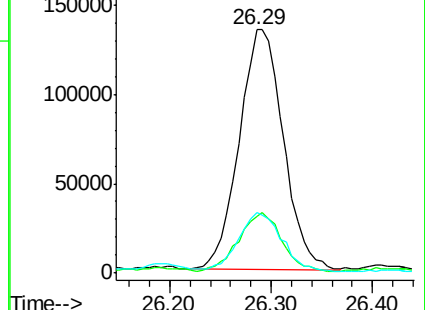
277 24.9 18.9 28.3

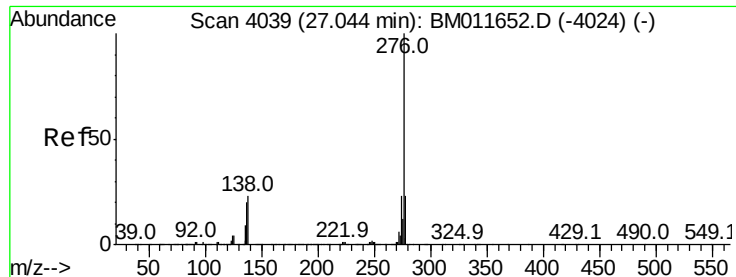


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(a,h,i)perylene

Concen: 4.277 ng/ul

RT: 27.04 min Scan# 4038

Delta R.T. -0.01 min

Lab File: BM011660.D

Acq: 21 Sep 2017 19:01

Instrument :

BNA_M

ClientSampleId :

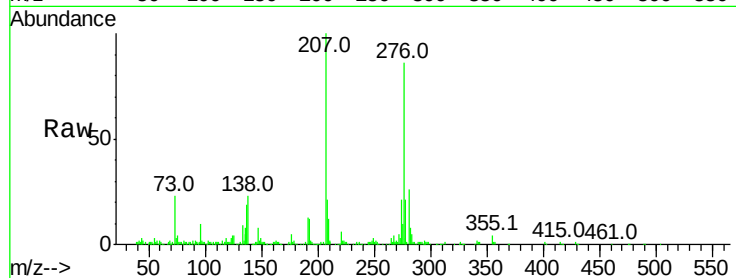
Tot Ion:276 Resp: 364156

Ion Ratio Lower Upper

276 100

138 26.3 11.2 16.8#

277 24.8 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

150000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

