

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070116\
 Data File : BM006177.D
 Acq On : 01 Jul 2016 11:50
 Operator : UM/SJ
 Sample : H3780-04MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YF4MS

Quant Time: Jul 01 17:31:55 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	340722	20.00	ng/ul	0.00
7) Naphthalene-d8	10.45	136	1616249	20.00	ng/ul	0.01
15) Acenaphthene-d10	14.32	164	943959	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.07	188	2085372	20.00	ng/ul	0.02
29) Chrysene-d12	21.27	240	1691602	20.00	ng/ul	0.02
34) Perylene-d12	23.50	264	1655864	20.00	ng/ul	0.04

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.16	96	7448	1.02	ng/uL	0.00
3) Phenol-d5	6.84	99	461046	16.56	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	7.00	67	272330	16.59	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	348881	16.33	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	381827	17.04	ng/ul	0.01
8) Nitrobenzene-d5	8.82	128	184343	16.93	ng/ul	0.01
9) 2-Nitrophenol-d4	9.53	143	212055	17.02	ng/ul	0.01
10) 2,4-Dichlorophenol-d3	10.07	165	371856	16.36	ng/ul	0.01
12) 4-Chloroaniline-d4	10.59	131	304437	16.94	ng/ul	0.01
16) Dimethylphthalate-d6	13.72	166	1140583	16.86	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1450235	17.66	ng/ul	0.01
20) 4-Nitrophenol-d4	14.54	143	226138	17.61	ng/ul	0.03
21) Fluorene-d10	15.31	176	1004857	17.40	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.45	200	185284	25.09	ng/ul	0.02
26) Anthracene-d10	17.16	188	1571892	18.79	ng/ul	0.01
30) Pyrene-d10	19.47	212	1599450	23.48	ng/ul	0.02
37) Benzo(a)pyrene-d12	23.36	264	1226354	18.61	ng/ul	0.04

Target Compounds

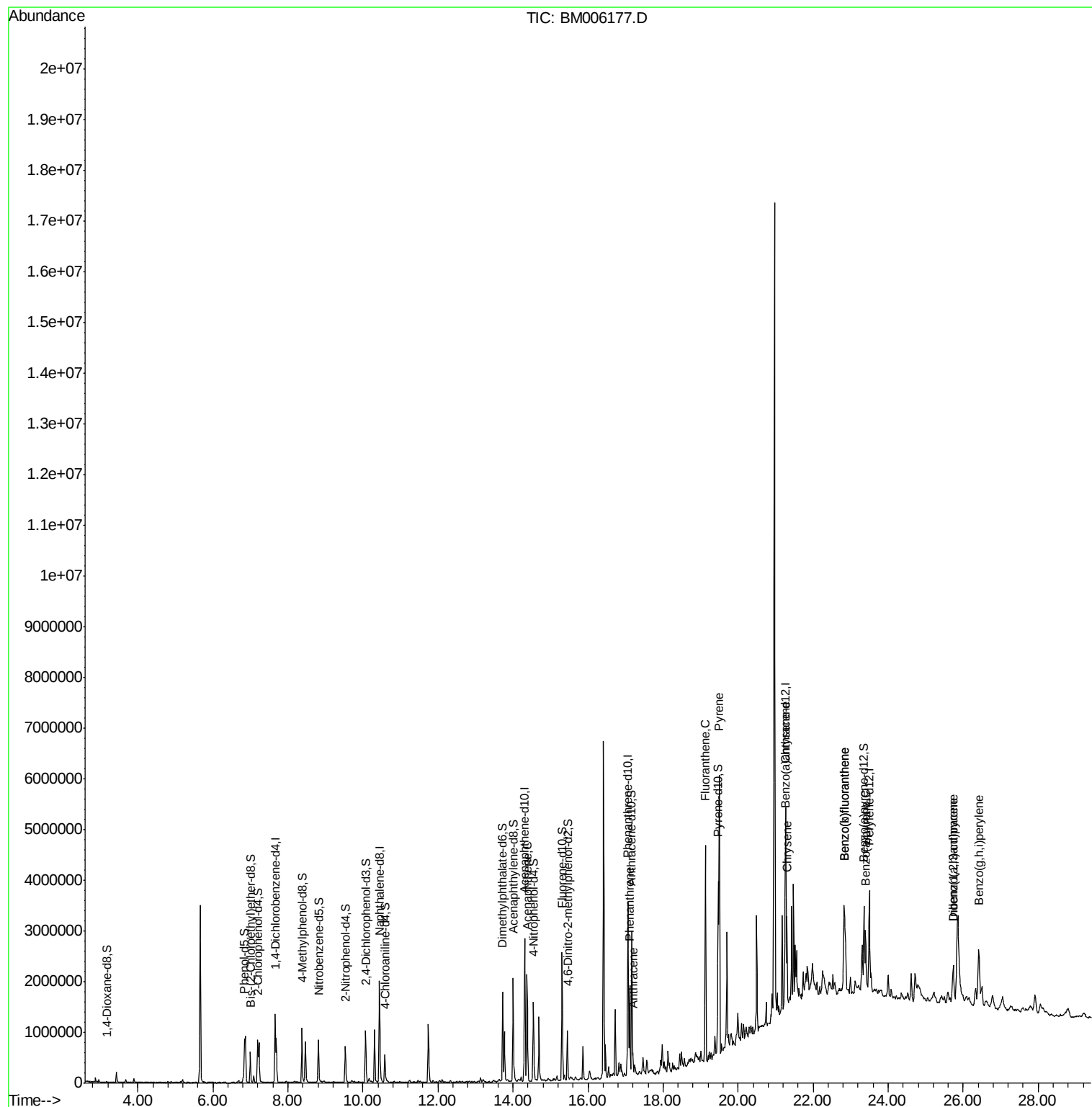
						Qvalue
19) Acenaphthene	14.38	153	876851	15.98	ng/ul	100
25) Phenanthrene	17.11	178	1056505	10.71	ng/ul	99
27) Anthracene	17.20	178	239611	2.36	ng/ul	99
28) Fluoranthene	19.13	202	2724111	22.54	ng/ul	98
31) Pyrene	19.50	202	3613491	40.50	ng/ul	95
32) Benzo(a)anthracene	21.25	228	1048668	11.92	ng/ul	98
33) Chrysene	21.30	228	1124263	13.88	ng/ul	97
35) Benzo(b)fluoranthene	22.83	252	1467415	17.08	ng/ul	98
36) Benzo(k)fluoranthene	22.83	252	1467415	18.20	ng/ul	98
38) Benzo(a)pyrene	23.40	252	953483	11.74	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.74	276	760258	9.01	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.73	278	203099	2.91	ng/ul#	75
41) Benzo(g,h,i)perylene	26.43	276	683341	9.67	ng/ul	98

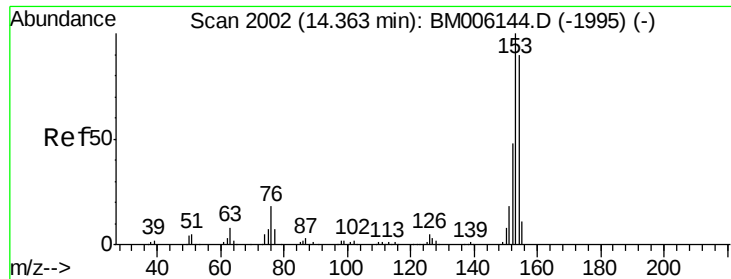
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#19

Acenaphthene

Concen: 15.98 ng/ul

RT: 14.38 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BM006177.D

Acq: 01 Jul 2016 11:50

Instrument :

BNA_M

ClientSampleId :

D9YF4MS

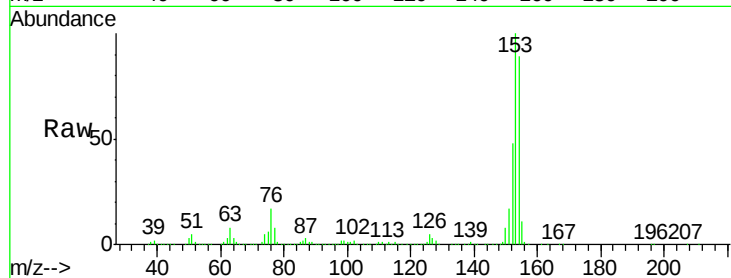
Tgt Ion:153 Resp: 876851

Ion Ratio Lower Upper

153 100

152 47.8 38.1 57.1

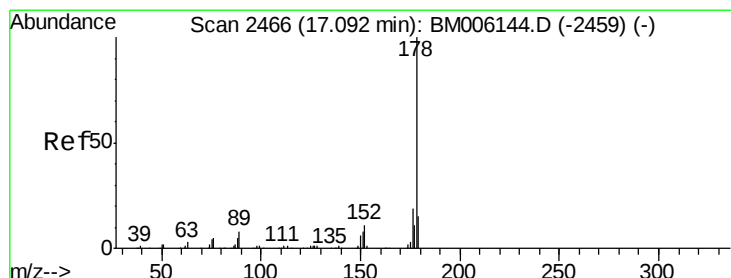
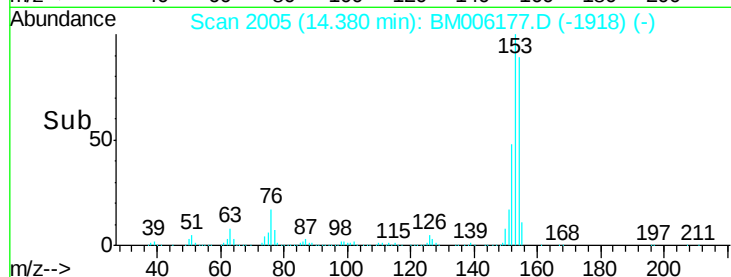
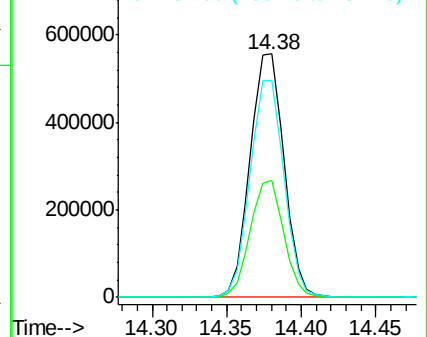
154 89.1 71.6 107.4



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



#25

Phenanthrene

Concen: 10.71 ng/ul

RT: 17.11 min Scan# 2469

Delta R.T. 0.02 min

Lab File: BM006177.D

Acq: 01 Jul 2016 11:50

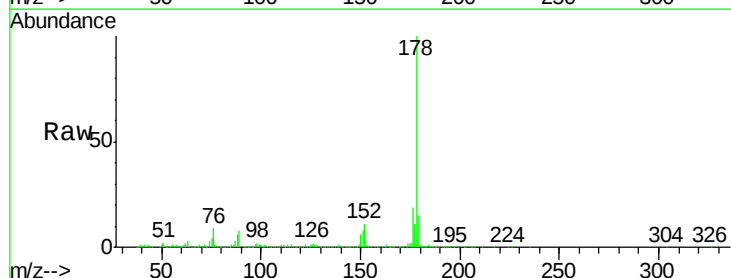
Tgt Ion:178 Resp: 1056505

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.2

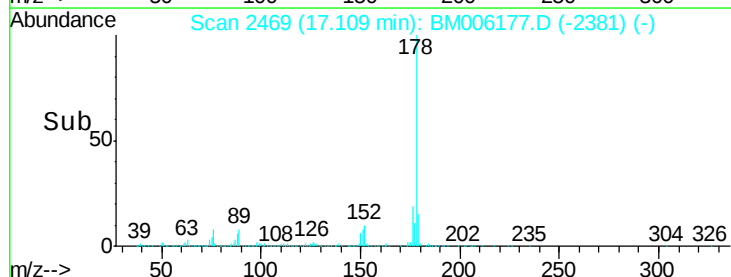
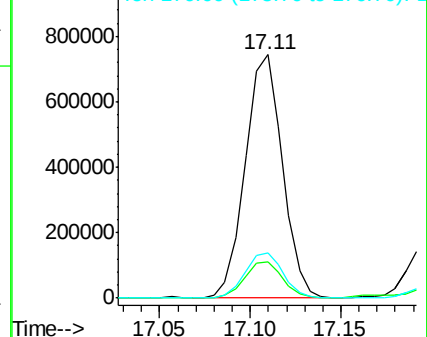
176 18.7 15.3 22.9

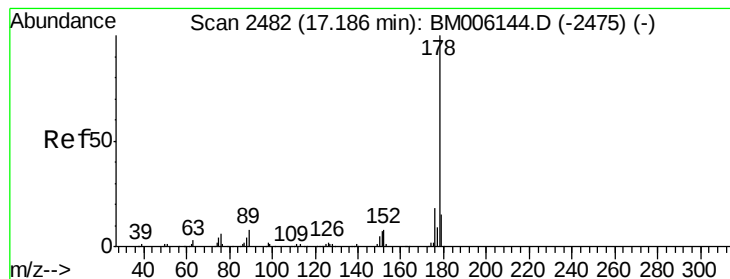


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 2.36 ng/ul

RT: 17.20 min Scan# 2484

Delta R.T. 0.01 min

Lab File: BM006177.D

Acq: 01 Jul 2016 11:50

Instrument :

BNA_M

ClientSampleId :

D9YF4MS

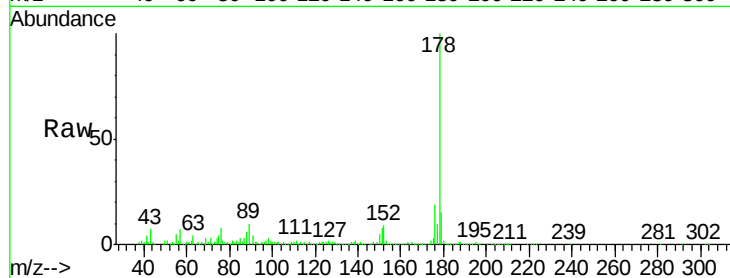
Tgt Ion:178 Resp: 239611

Ion Ratio Lower Upper

178 100

179 15.0 12.3 18.5

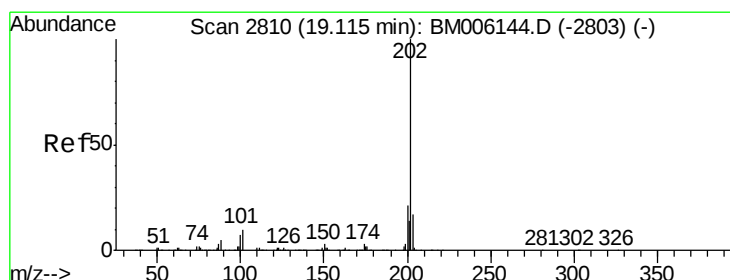
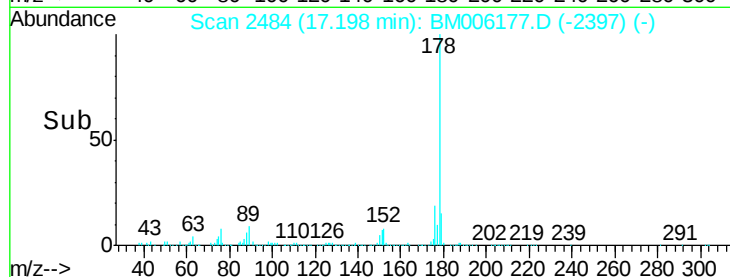
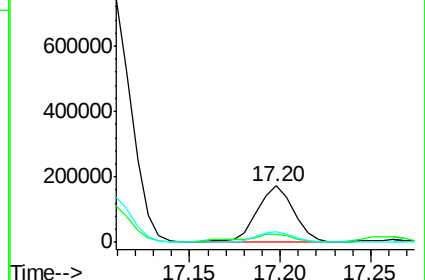
176 18.7 14.6 22.0



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



#28

Fluoranthene

Concen: 22.54 ng/ul

RT: 19.13 min Scan# 2813

Delta R.T. 0.02 min

Lab File: BM006177.D

Acq: 01 Jul 2016 11:50

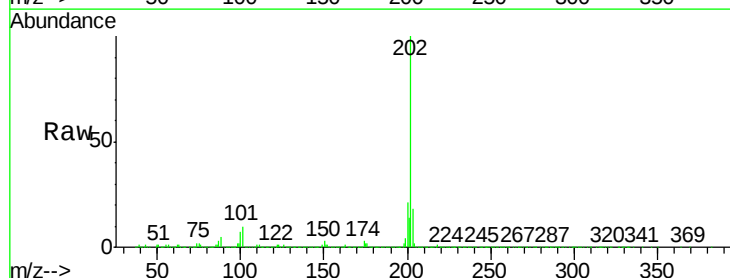
Tgt Ion:202 Resp: 2724111

Ion Ratio Lower Upper

202 100

101 9.8 8.5 12.7

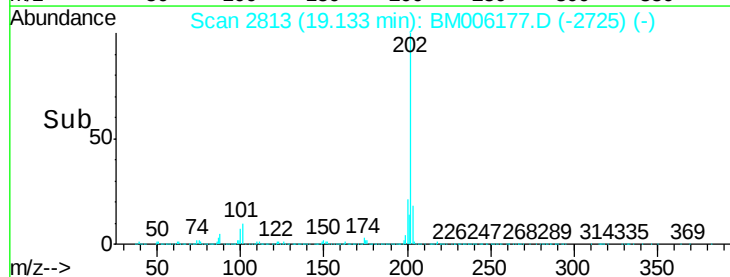
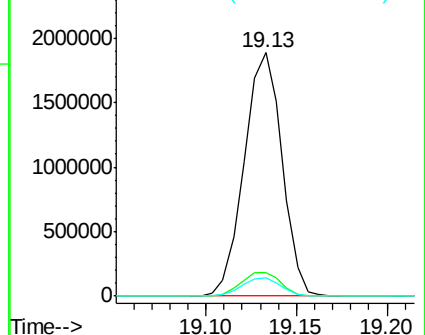
100 7.4 6.5 9.7

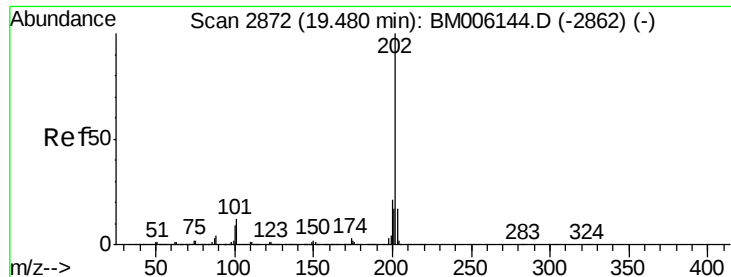


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

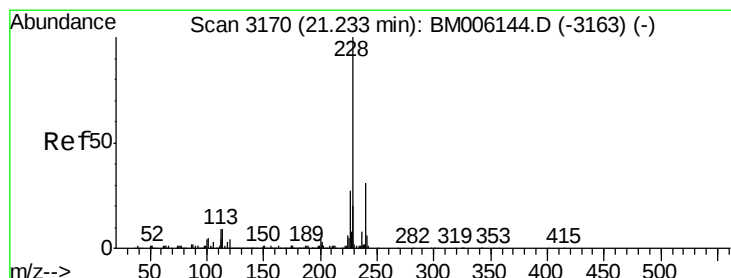
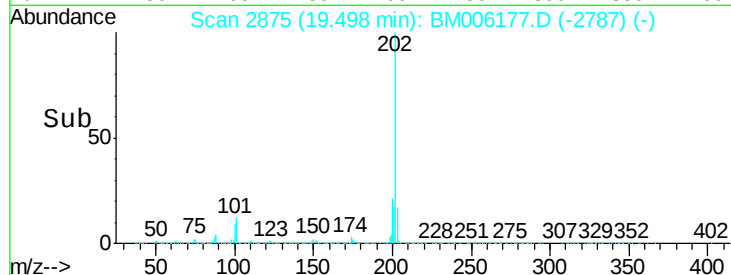
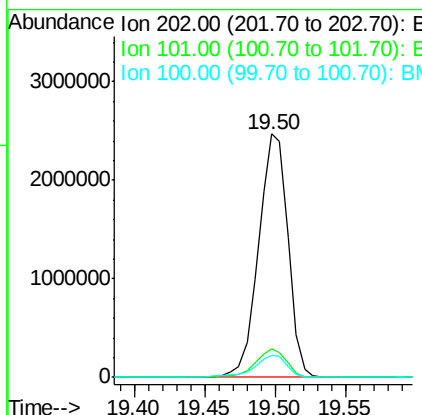
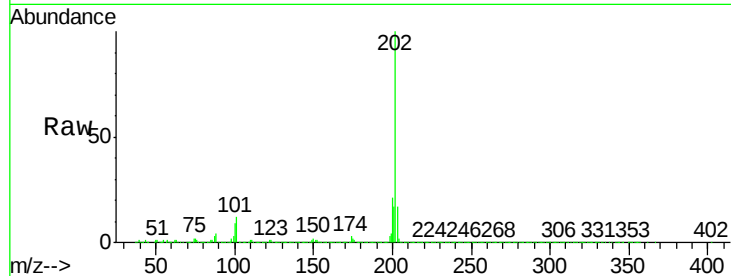




#31
 Pyrene
 Concen: 40.50 ng/ul
 RT: 19.50 min Scan# 2875
 Delta R.T. 0.02 min
 Lab File: BM006177.D
 Acq: 01 Jul 2016 11:50

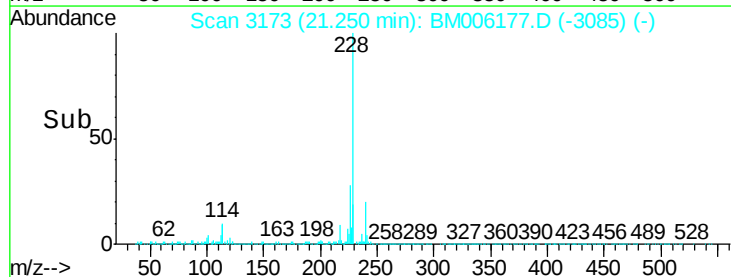
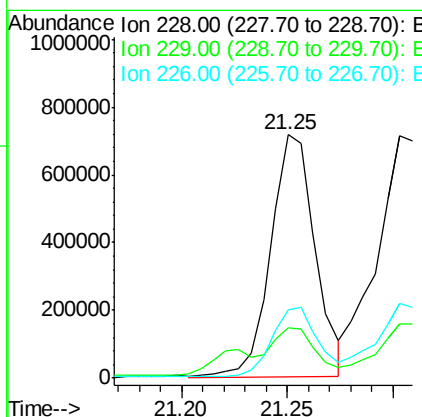
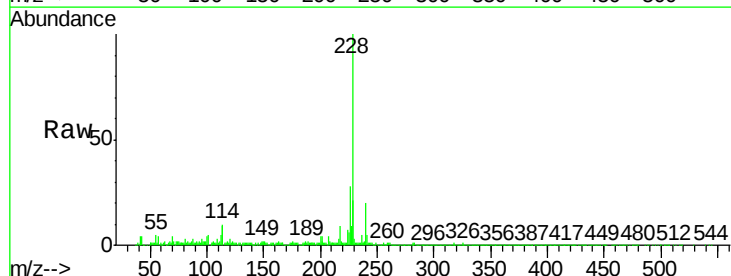
Instrument :
 BNA_M
 ClientSampleId :
 D9YF4MS

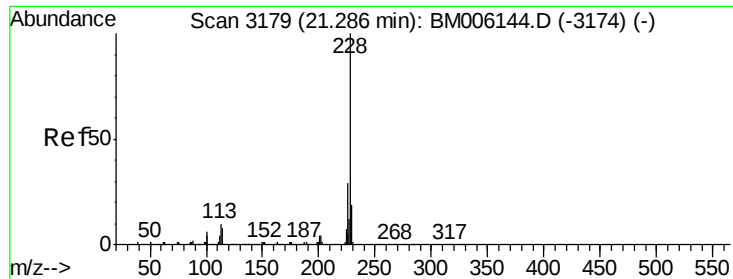
Tgt Ion:202 Resp: 3613491
 Ion Ratio Lower Upper
 202 100
 101 11.7 11.0 16.4
 100 9.1 8.9 13.3



#32
 Benzo(a)anthracene
 Concen: 11.92 ng/ul
 RT: 21.25 min Scan# 3173
 Delta R.T. 0.02 min
 Lab File: BM006177.D
 Acq: 01 Jul 2016 11:50

Tgt Ion:228 Resp: 1048668
 Ion Ratio Lower Upper
 228 100
 229 20.6 15.6 23.4
 226 28.0 21.6 32.4





#33

Chrysene

Concen: 13.88 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. 0.02 min

Lab File: BM006177.D

Acq: 01 Jul 2016 11:50

Instrument :

BNA_M

ClientSampleId :

D9YF4MS

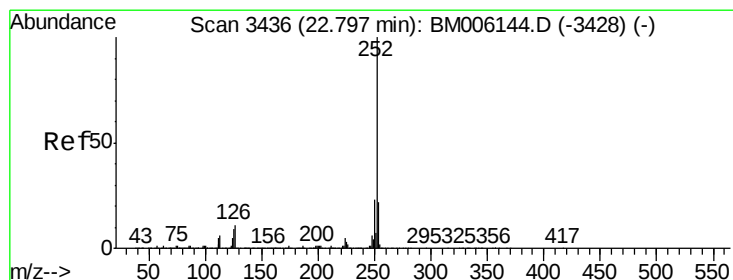
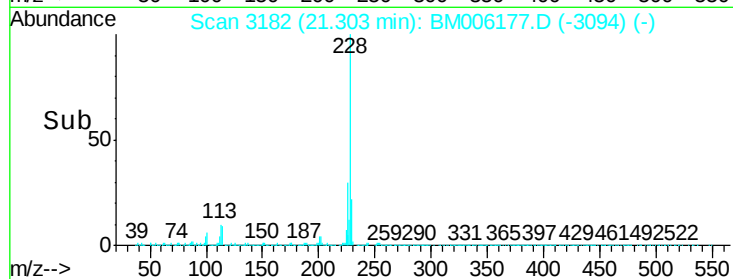
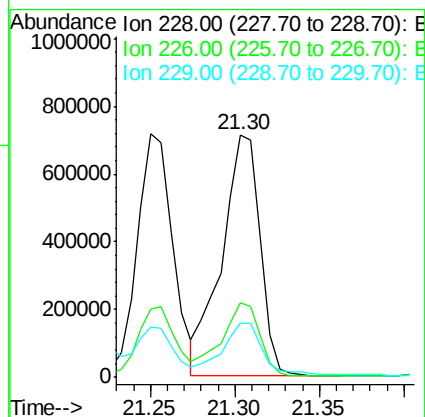
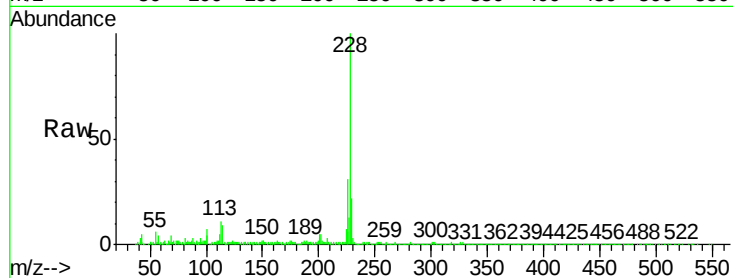
Tgt Ion:228 Resp: 1124263

Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.6

229 22.2 15.8 23.6



#35

Benzo(b)fluoranthene

Concen: 17.08 ng/ul

RT: 22.83 min Scan# 3442

Delta R.T. 0.04 min

Lab File: BM006177.D

Acq: 01 Jul 2016 11:50

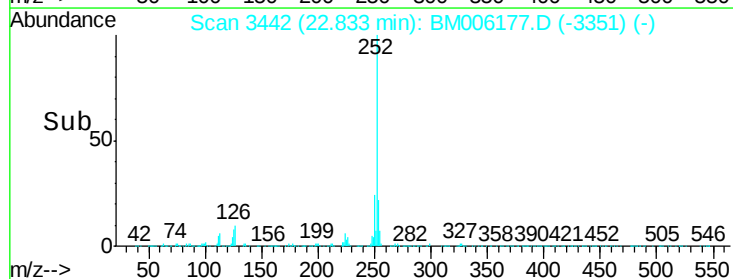
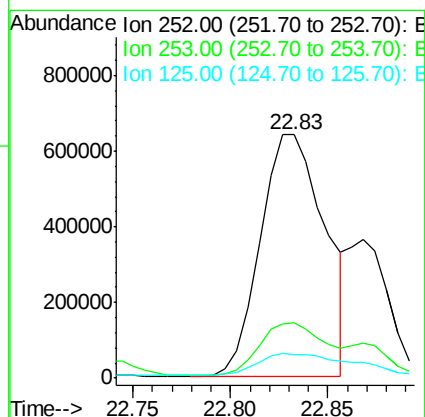
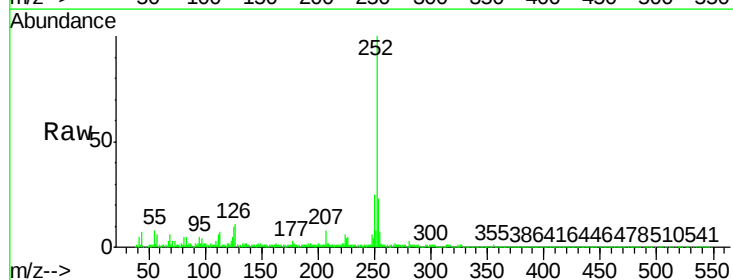
Tgt Ion:252 Resp: 1467415

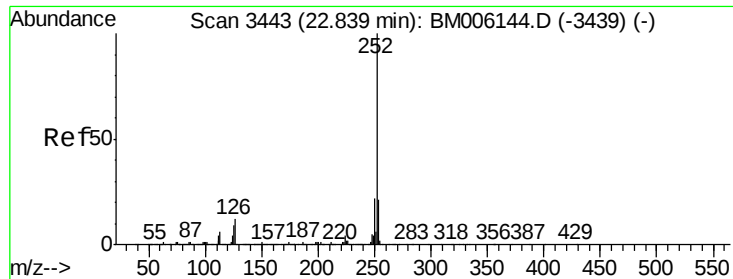
Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

125 9.7 7.8 11.6

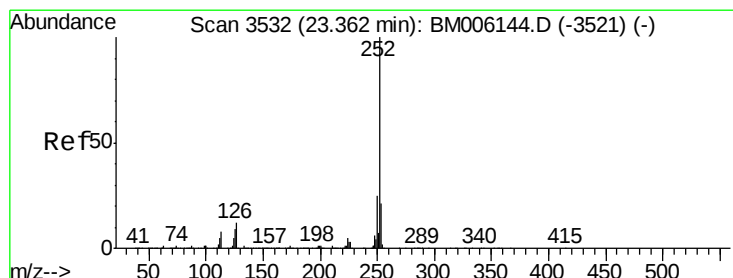
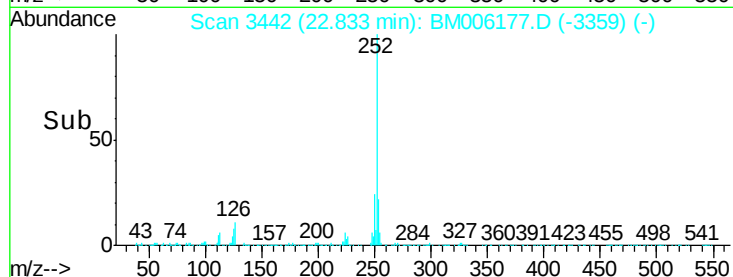
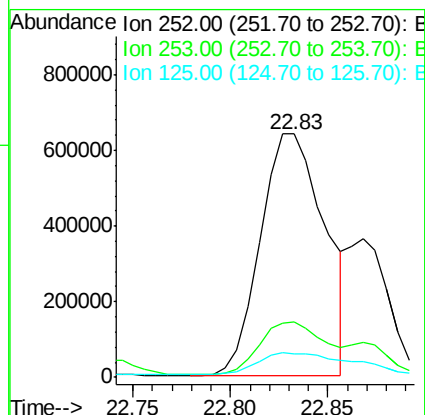
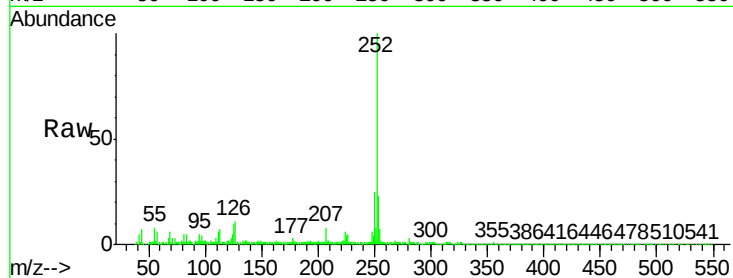




#36
Benzo(k)fluoranthene
Concen: 18.20 ng/ul
RT: 22.83 min Scan# 3442
Delta R.T. -0.01 min
Lab File: BM006177.D
Acq: 01 Jul 2016 11:50

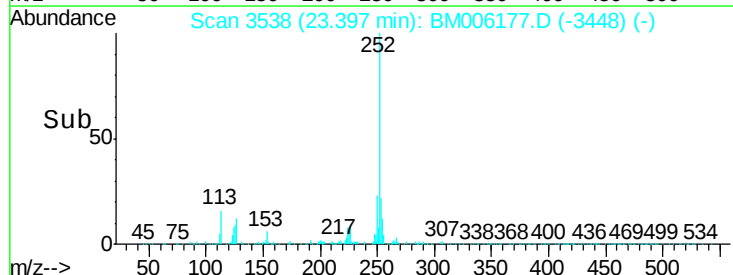
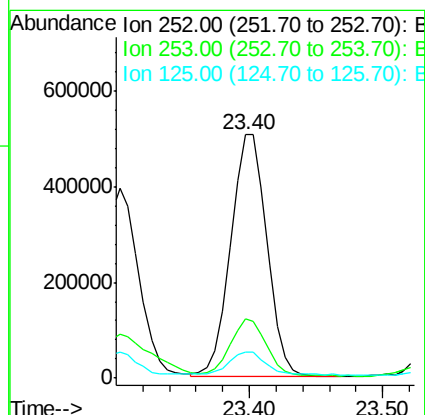
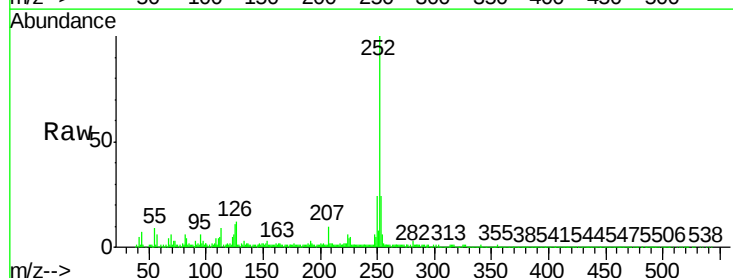
Instrument :
BNA_M
ClientSampleId :
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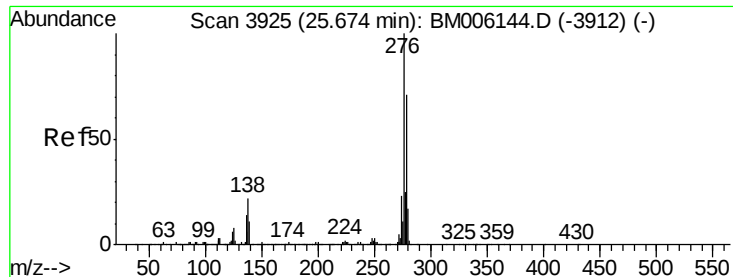
Tgt Ion:252 Resp: 1467415
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 9.7 8.1 12.1



#38
Benzo(a)pyrene
Concen: 11.74 ng/ul
RT: 23.40 min Scan# 3538
Delta R.T. 0.03 min
Lab File: BM006177.D
Acq: 01 Jul 2016 11:50

Tgt Ion:252 Resp: 953483
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 10.5 8.7 13.1





#39

Indeno(1,2,3-cd)pyrene

Concen: 9.01 ng/ul

RT: 25.74 min Scan# 3936

Delta R.T. 0.05 min

Lab File: BM006177.D

Acq: 01 Jul 2016 11:50

Instrument :

BNA_M

ClientSampleId :

D9YF4MS

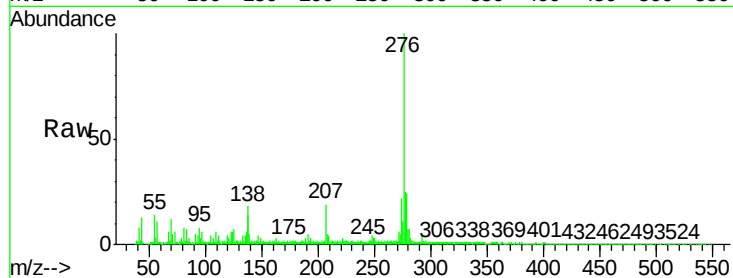
Tgt Ion:276 Resp: 760258

Ion Ratio Lower Upper

276 100

138 18.2 20.4 30.6#

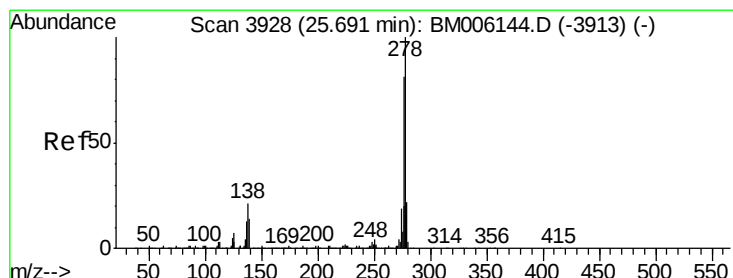
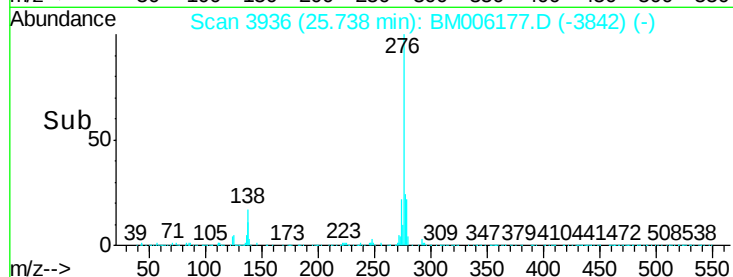
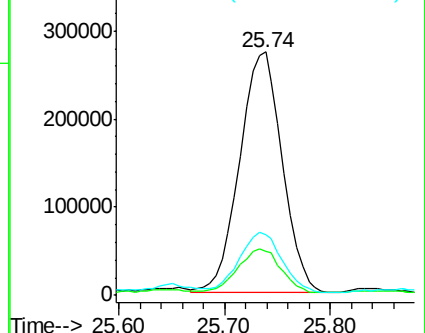
277 25.1 20.6 30.8



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



#40

Dibenzo(a,h)anthracene

Concen: 2.91 ng/ul

RT: 25.73 min Scan# 3935

Delta R.T. 0.04 min

Lab File: BM006177.D

Acq: 01 Jul 2016 11:50

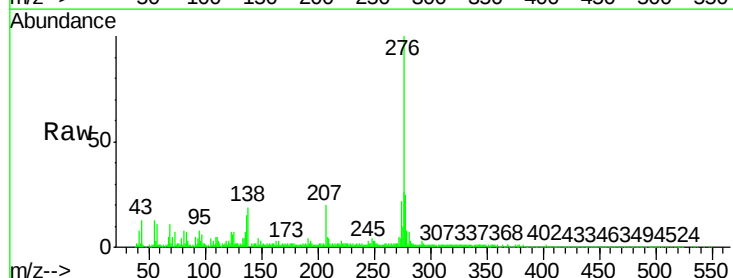
Tgt Ion:278 Resp: 203099

Ion Ratio Lower Upper

278 100

139 0.0 13.0 19.4#

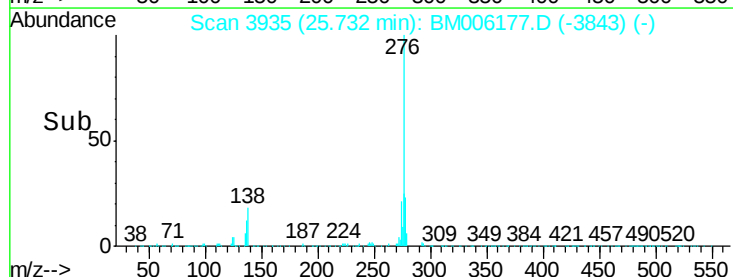
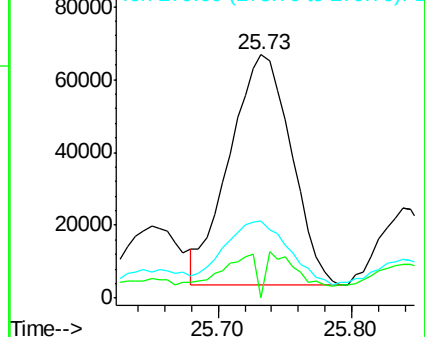
279 31.7 18.8 28.2#

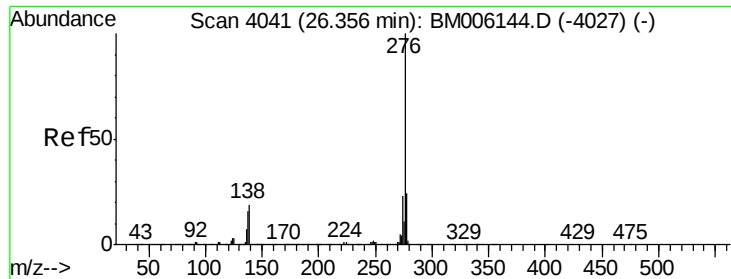


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(g,h,i)perylene

Concen: 9.67 ng/ul

RT: 26.43 min Scan# 4053

Delta R.T. 0.07 min

Lab File: BM006177.D

Acq: 01 Jul 2016 11:50

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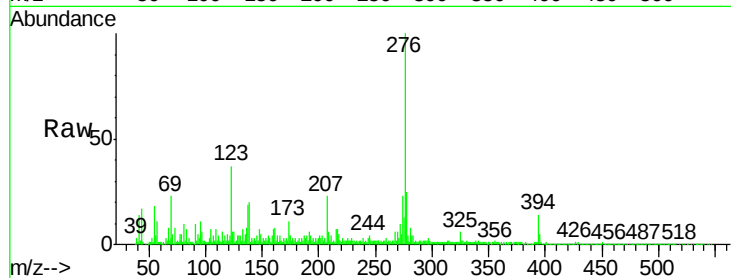
Tgt Ion: 276 Resp: 683341

Ion Ratio Lower Upper

276 100

138 20.1 16.6 25.0

277 25.2 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

