

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006642.D
 Acq On : 23 Jul 2016 02:09
 Operator : UM/SJ
 Sample : H4076-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YP3

Quant Time: Jul 23 03:13:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	189462	20.00	ng/ul	0.01
7) Naphthalene-d8	10.40	136	795332	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	436398	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.03	188	985297	20.00	ng/ul	0.01
29) Chrysene-d12	21.23	240	1030596	20.00	ng/ul	0.00
34) Perylene-d12	23.44	264	1076999	20.00	ng/ul	0.02

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	11667	2.49	ng/uL	0.00
3) Phenol-d5	6.81	99	449410	27.88	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	6.96	67	272649	27.31	ng/ul	0.00
5) 2-Chlorophenol-d4	7.16	132	356871	27.71	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	350754	28.06	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	170482	28.32	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	181203	28.30	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	332860	27.51	ng/ul	0.01
12) 4-Chloroaniline-d4	10.55	131	220847	16.58	ng/ul	0.01
16) Dimethylphthalate-d6	13.69	166	941811	27.53	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1245898	28.53	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	142371	23.96	ng/ul	0.02
21) Fluorene-d10	15.27	176	855731	27.96	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.42	200	79188	15.48	ng/ul	0.01
26) Anthracene-d10	17.13	188	1310412	28.01	ng/ul	0.01
30) Pyrene-d10	19.43	212	1422136	30.28	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	1383185	27.92	ng/ul	0.02

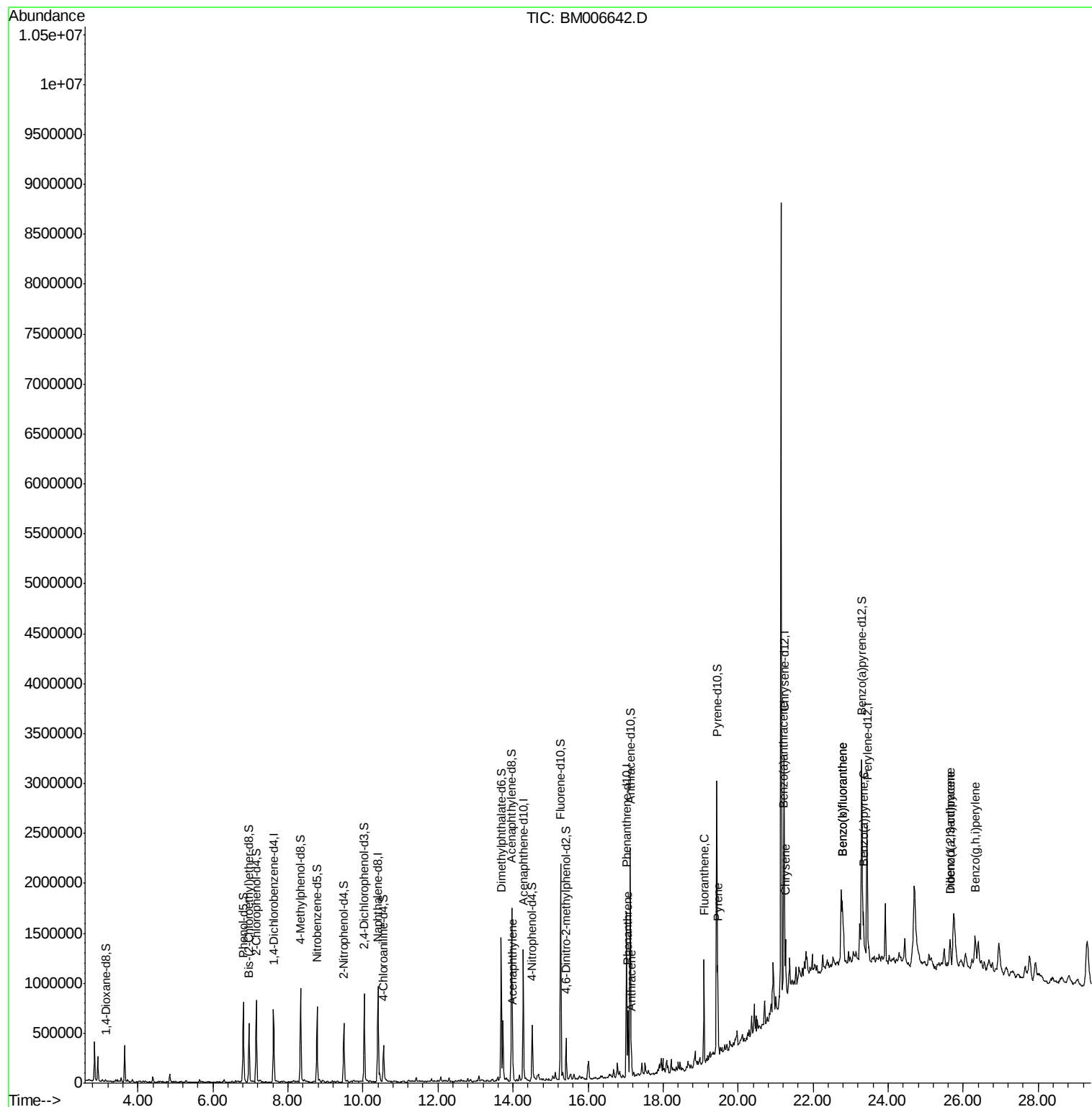
Target Compounds				Qvalue		
18) Acenaphthylene	13.99	152	66000	1.41	ng/ul	98
25) Phenanthrene	17.07	178	388287	7.01	ng/ul	100
27) Anthracene	17.16	178	101005	1.77	ng/ul	99
28) Fluoranthene	19.09	202	614625	9.44	ng/ul	99
31) Pyrene	19.46	202	506308	8.11	ng/ul	96
32) Benzo(a)anthracene	21.21	228	315965	5.06	ng/ul	97
33) Chrysene	21.26	228	334605	5.81	ng/ul	97
35) Benzo(b)fluoranthene	22.77	252	512318	7.94	ng/ul#	97
36) Benzo(k)fluoranthene	22.77	252	512318	8.21	ng/ul	97
38) Benzo(a)pyrene	23.34	252	316533	5.04	ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	25.65	276	275196	3.78	ng/ul	97
40) Dibenzo(a,h)anthracene	25.65	278	79735	1.32	ng/ul#	80
41) Benzo(g,h,i)perylene	26.33	276	257954	4.14	ng/ul	96

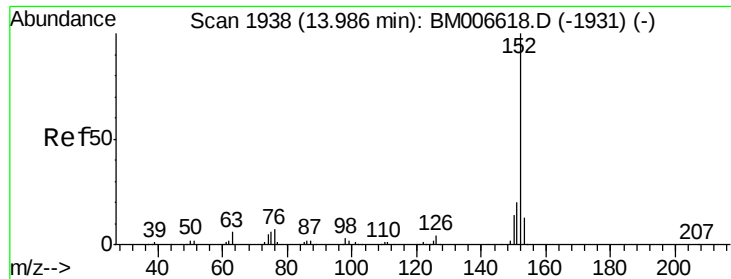
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#18

Acenaphthylene

Concen: 1.41 ng/ul

RT: 13.99 min Scan# 1939

Delta R.T. 0.01 min

Lab File: BM006642.D

Acq: 23 Jul 2016 02:09

Instrument :

BNA_M

ClientSampleId :

D9YP3

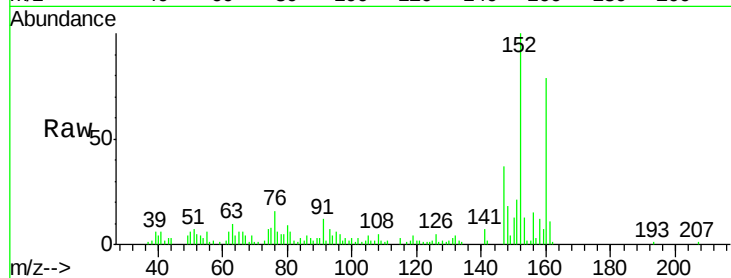
Tgt Ion:152 Resp: 66000

Ion Ratio Lower Upper

152 100

151 21.2 17.3 25.9

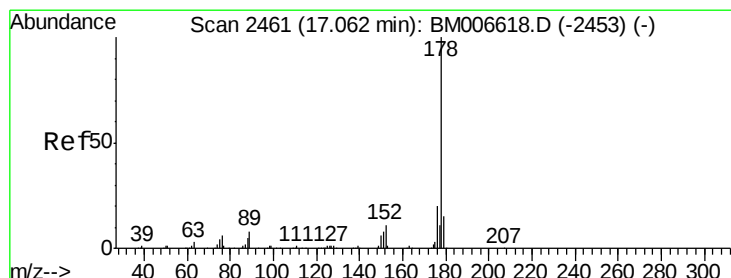
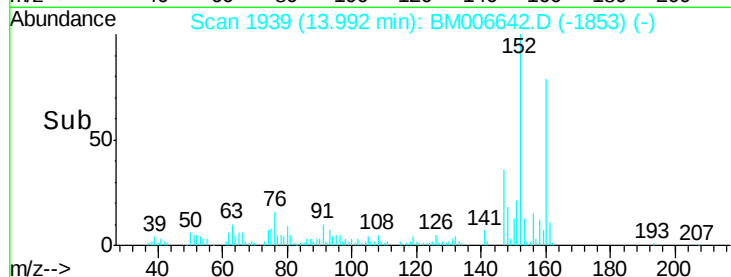
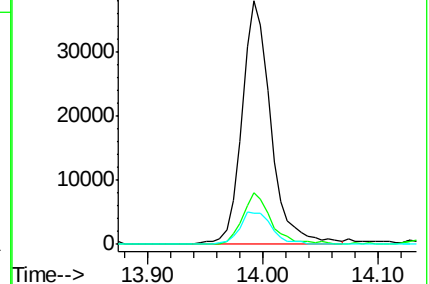
153 12.7 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#25

Phenanthrene

Concen: 7.01 ng/ul

RT: 17.07 min Scan# 2462

Delta R.T. 0.01 min

Lab File: BM006642.D

Acq: 23 Jul 2016 02:09

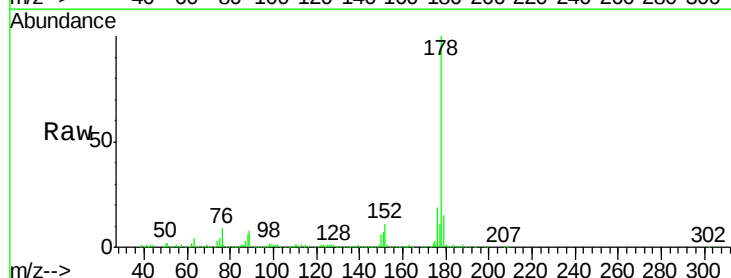
Tgt Ion:178 Resp: 388287

Ion Ratio Lower Upper

178 100

179 15.0 11.8 17.8

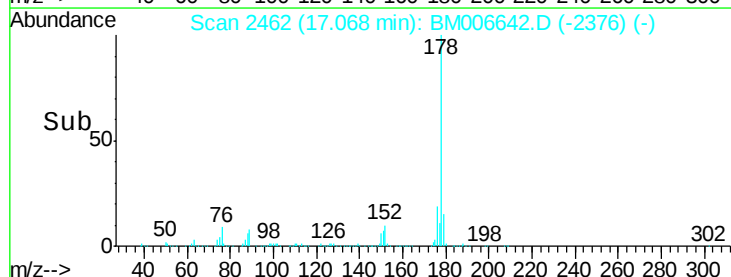
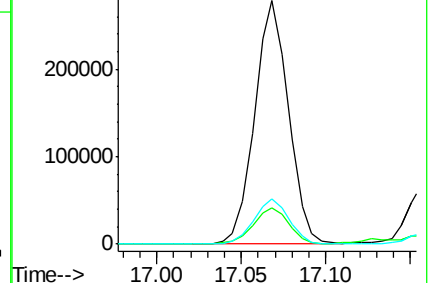
176 18.5 14.8 22.2

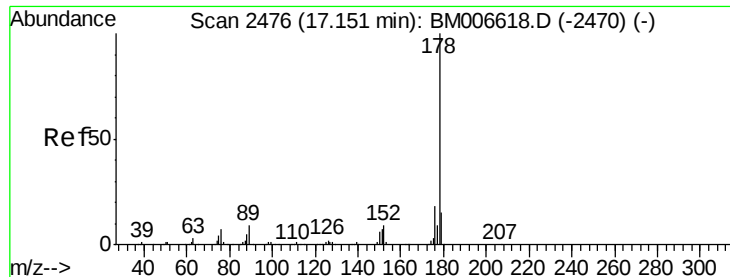


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

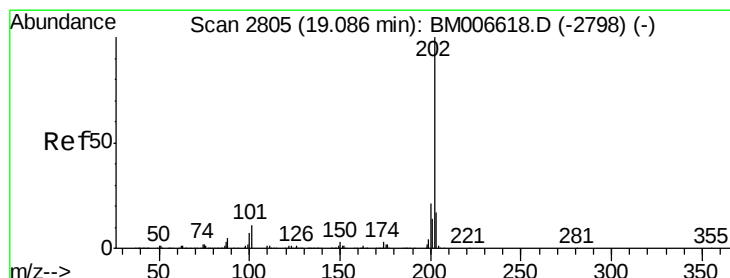
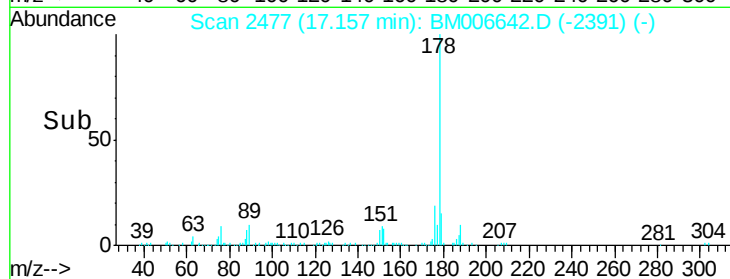
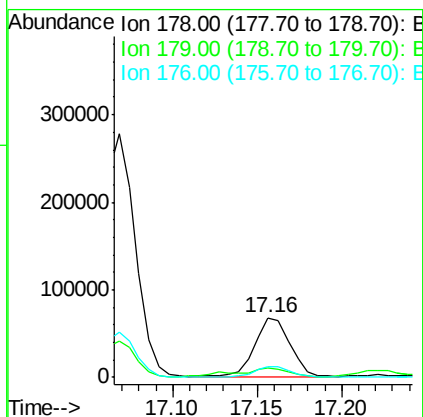
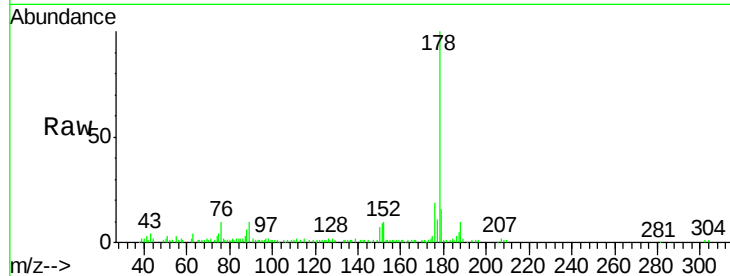




#27
 Anthracene
 Concen: 1.77 ng/ul
 RT: 17.16 min Scan# 2477
 Delta R.T. 0.01 min
 Lab File: BM006642.D
 Acq: 23 Jul 2016 02:09

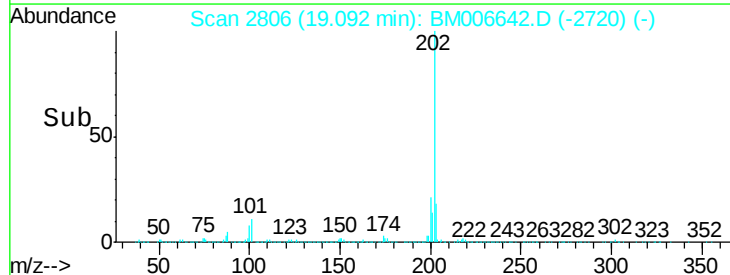
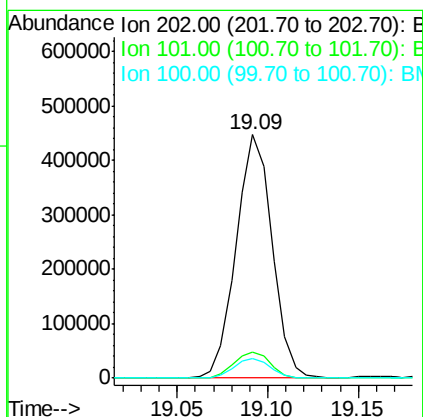
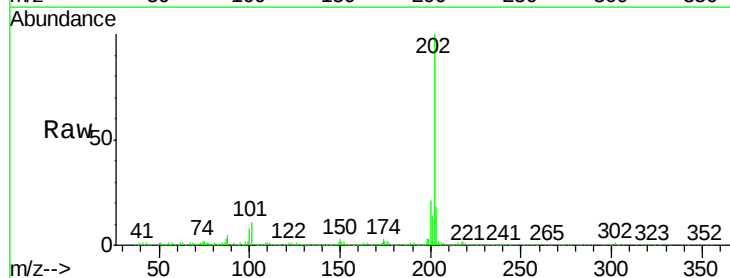
Instrument :
 BNA_M
 ClientSampleId :
 D9YP3

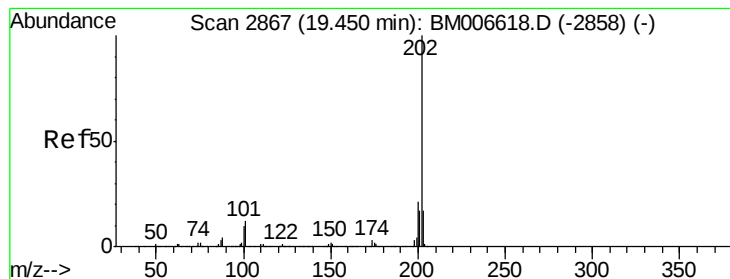
Tgt Ion:178 Resp: 101005
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.9 19.3
 176 18.7 15.6 23.4



#28
 Fluoranthene
 Concen: 9.44 ng/ul
 RT: 19.09 min Scan# 2806
 Delta R.T. 0.01 min
 Lab File: BM006642.D
 Acq: 23 Jul 2016 02:09

Tgt Ion:202 Resp: 614625
 Ion Ratio Lower Upper
 202 100
 101 10.9 8.9 13.3
 100 8.1 7.0 10.4





#31

Pyrene

Concen: 8.11 ng/ul

RT: 19.46 min Scan# 2868

Delta R.T. 0.01 min

Lab File: BM006642.D

Acq: 23 Jul 2016 02:09

Instrument :

BNA_M

ClientSampleId :

D9YP3

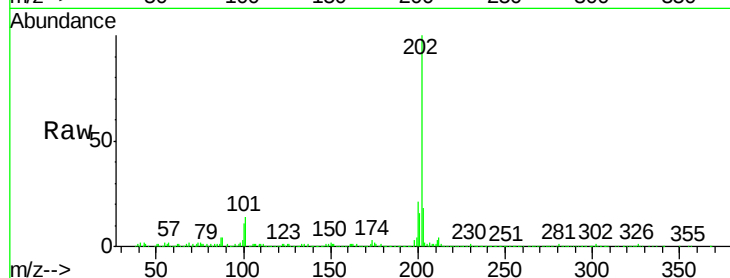
Tgt Ion:202 Resp: 506308

Ion Ratio Lower Upper

202 100

101 14.1 9.8 14.8

100 10.5 9.3 13.9

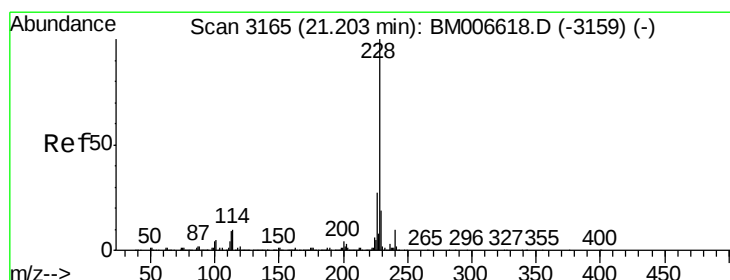
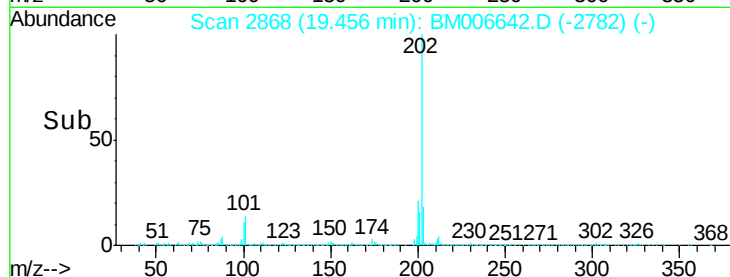
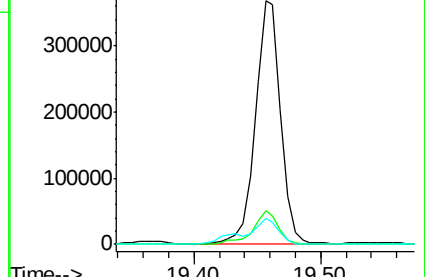


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

19.46



#32

Benzo(a)anthracene

Concen: 5.06 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BM006642.D

Acq: 23 Jul 2016 02:09

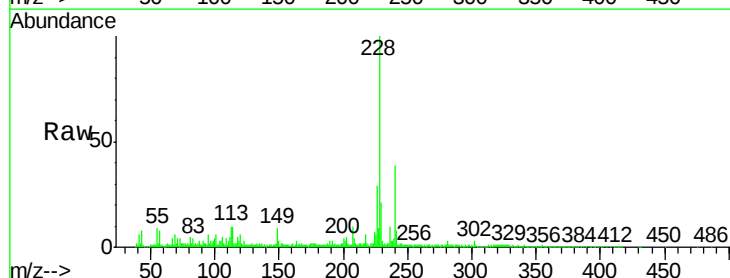
Tgt Ion:228 Resp: 315965

Ion Ratio Lower Upper

228 100

229 21.2 16.6 25.0

226 28.8 21.0 31.4

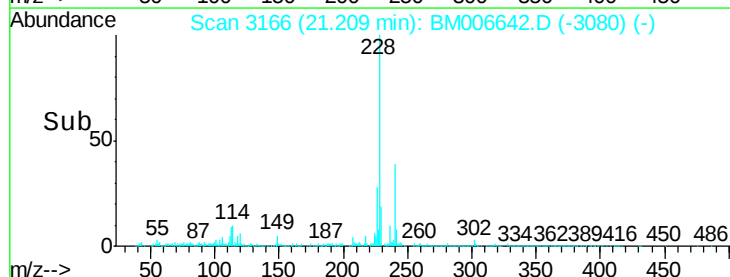
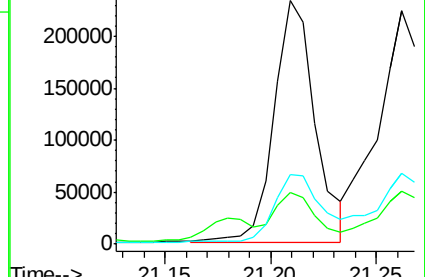


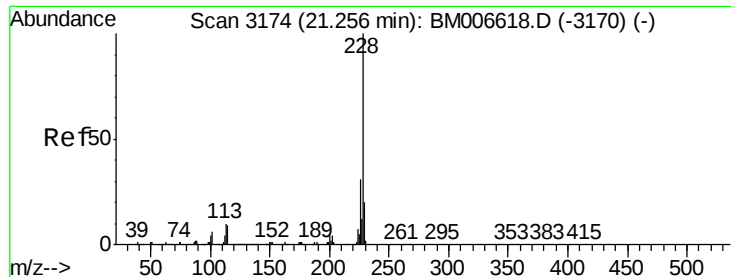
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

21.21





#33

Chrysene

Concen: 5.81 ng/ul

RT: 21.26 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BM006642.D

Acq: 23 Jul 2016 02:09

Instrument :

BNA_M

ClientSampleId :

D9YP3

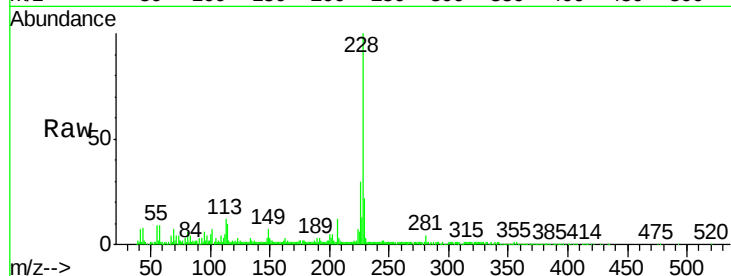
Tgt Ion:228 Resp: 334605

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

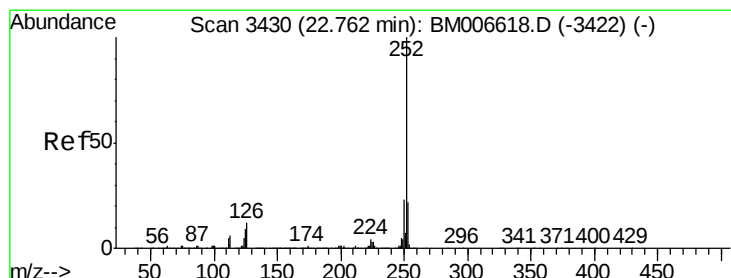
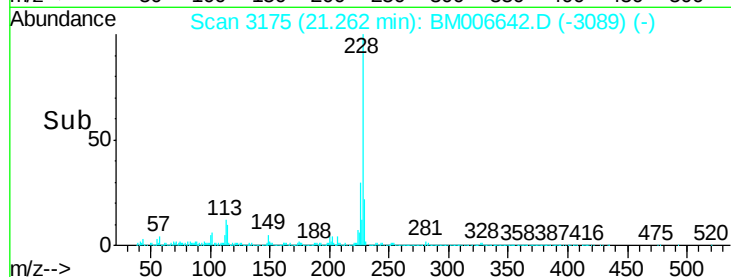
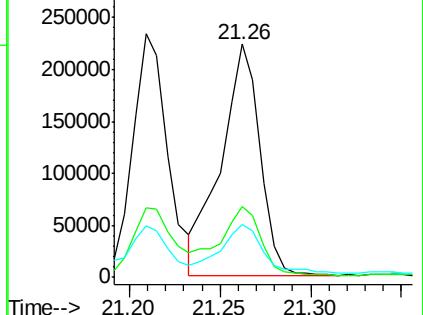
229 22.5 16.2 24.2



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



#35

Benzo(b)fluoranthene

Concen: 7.94 ng/ul

RT: 22.77 min Scan# 3432

Delta R.T. 0.01 min

Lab File: BM006642.D

Acq: 23 Jul 2016 02:09

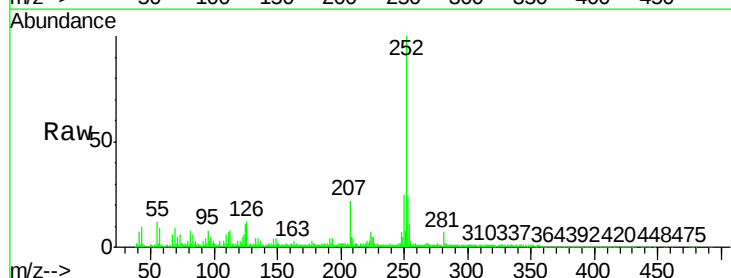
Tgt Ion:252 Resp: 512318

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

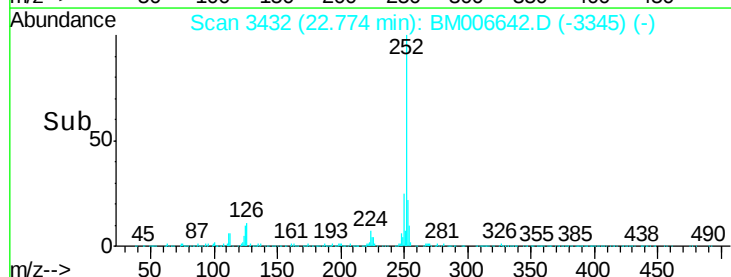
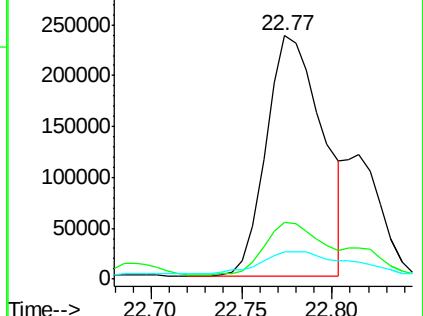
125 11.4 7.6 11.4#

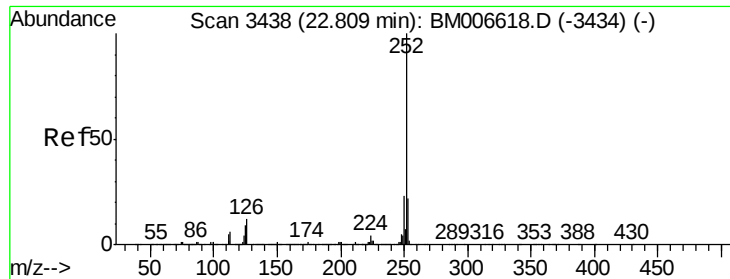


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

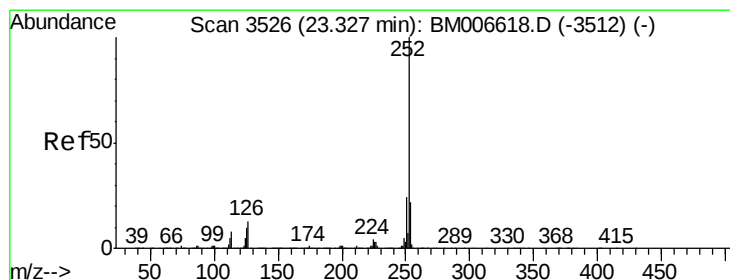
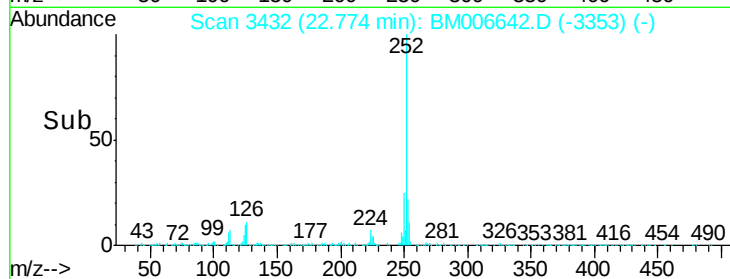
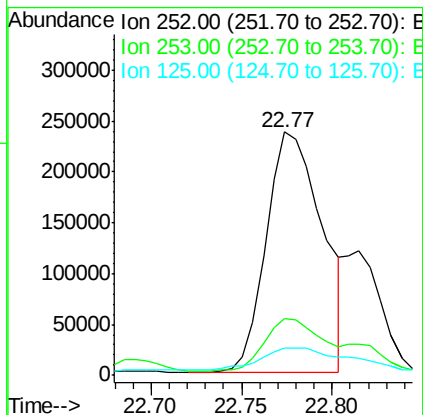
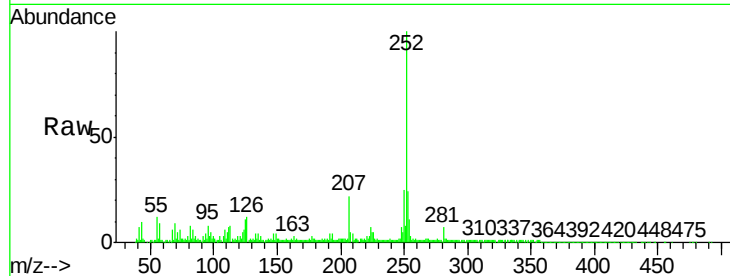




#36
Benzo(k)fluoranthene
Concen: 8.21 ng/ul
RT: 22.77 min Scan# 3432
Delta R.T. -0.04 min
Lab File: BM006642.D
Acq: 23 Jul 2016 02:09

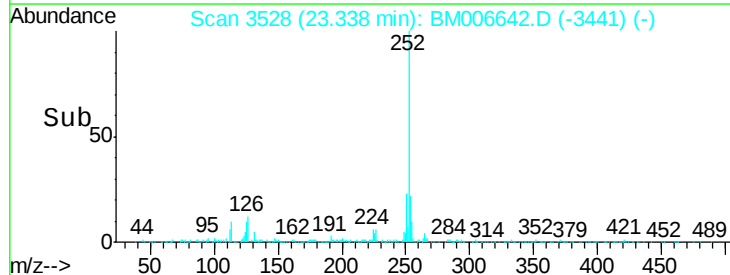
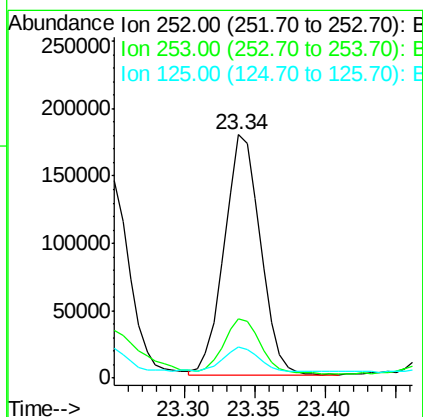
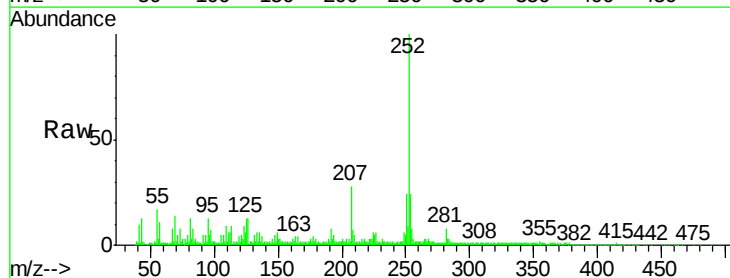
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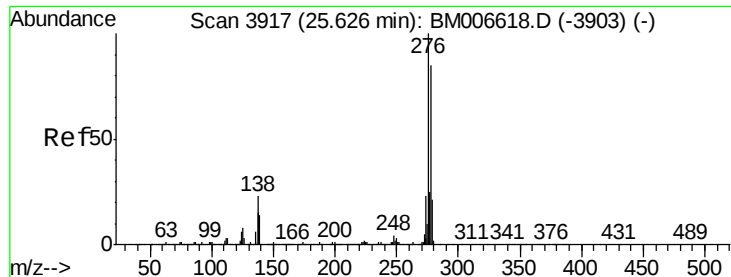
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	11.4	7.7	11.5



#38
Benzo(a)pyrene
Concen: 5.04 ng/ul
RT: 23.34 min Scan# 3528
Delta R.T. 0.01 min
Lab File: BM006642.D
Acq: 23 Jul 2016 02:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	12.5	8.2	12.2#





#39

Indeno(1,2,3-cd)pyrene

Concen: 3.78 ng/ul

RT: 25.65 min Scan# 3921

Delta R.T. 0.02 min

Lab File: BM006642.D

Acq: 23 Jul 2016 02:09

Instrument :

BNA_M

ClientSampleId :

D9YP3

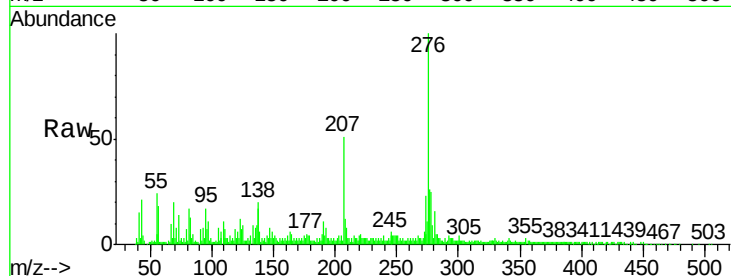
Tgt Ion:276 Resp: 275196

Ion Ratio Lower Upper

276 100

138 19.6 15.8 23.6

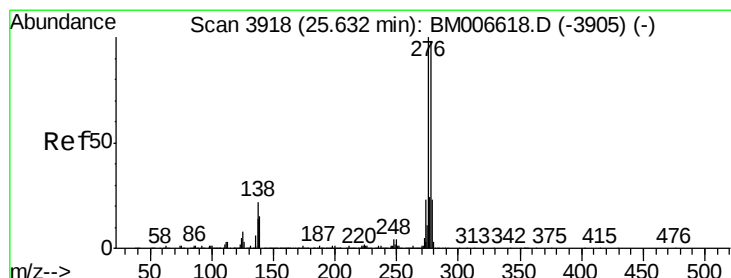
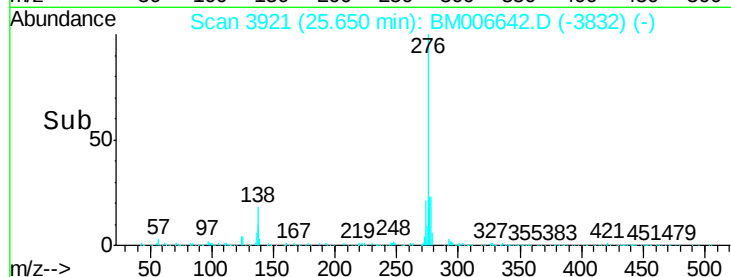
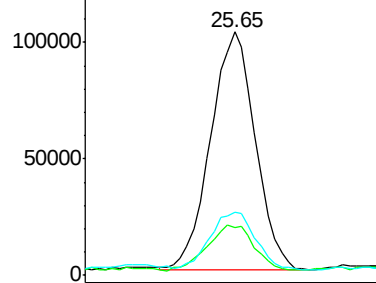
277 26.2 19.0 28.6



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: 1.32 ng/ul

RT: 25.65 min Scan# 3921

Delta R.T. 0.02 min

Lab File: BM006642.D

Acq: 23 Jul 2016 02:09

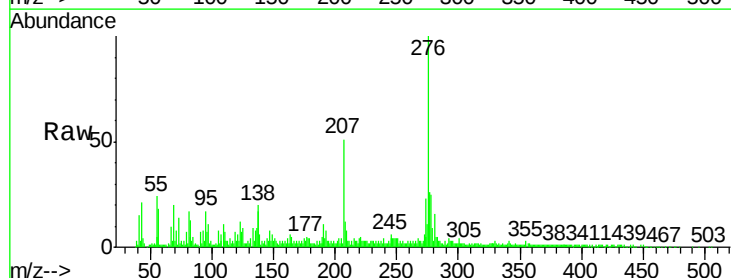
Tgt Ion:278 Resp: 79735

Ion Ratio Lower Upper

278 100

139 22.5 12.1 18.1#

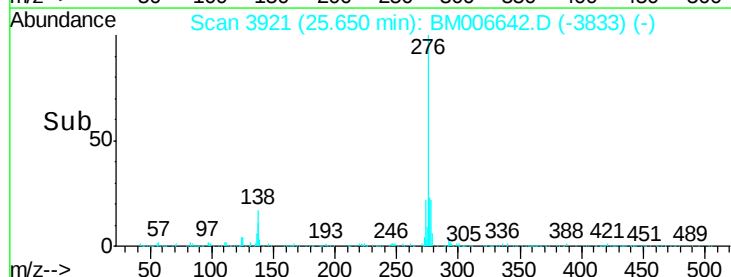
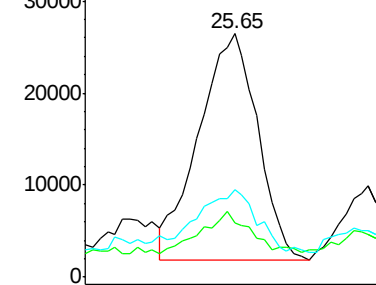
279 35.8 19.8 29.8#

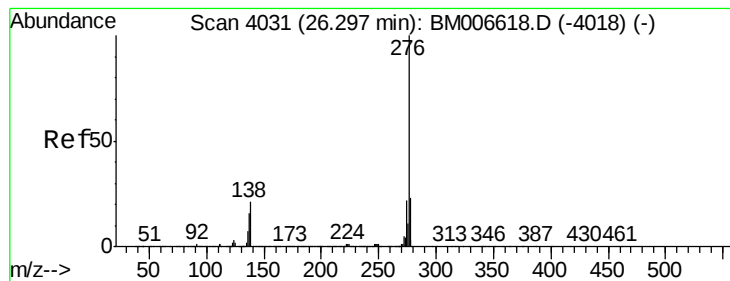


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.14 ng/ul

RT: 26.33 min Scan# 4037

Delta R.T. 0.04 min

Lab File: BM006642.D

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D9YP3

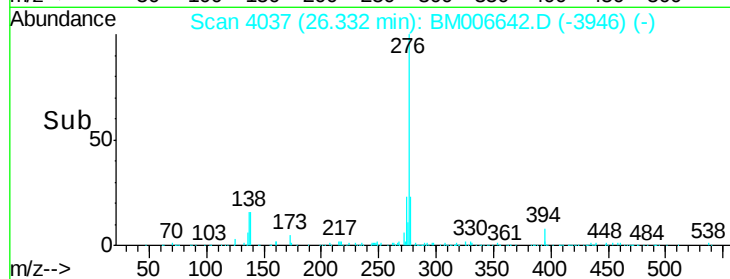
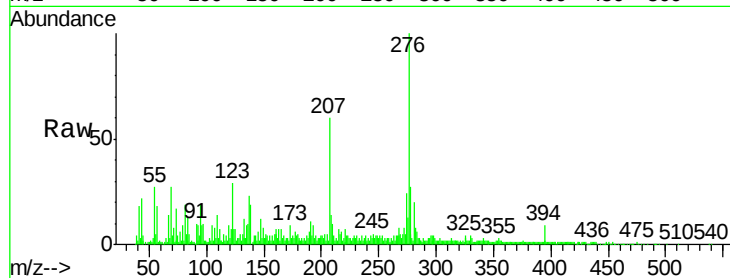
Tgt Ion: 276 Resp: 257954

Ion Ratio Lower Upper

276 100

138 18.8 13.9 20.9

277 26.7 19.8 29.6



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

