

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006641.D
 Acq On : 23 Jul 2016 01:32
 Operator : UM/SJ
 Sample : H4076-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YP9

Quant Time: Jul 23 03:13:17 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	197565	20.00	ng/ul	0.01
7) Naphthalene-d8	10.40	136	815458	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	440269	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.03	188	978600	20.00	ng/ul	0.01
29) Chrysene-d12	21.23	240	1059433	20.00	ng/ul	0.00
34) Perylene-d12	23.44	264	1109724	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	10479	2.15	ng/uL	0.00
3) Phenol-d5	6.81	99	408181	24.28	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	6.96	67	252979	24.30	ng/ul	0.01
5) 2-Chlorophenol-d4	7.16	132	316964	23.60	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	316422	24.27	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	152580	24.72	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	162456	24.75	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	299214	24.12	ng/ul	0.01
12) 4-Chloroaniline-d4	10.55	131	287920	21.08	ng/ul	0.01
16) Dimethylphthalate-d6	13.69	166	846051	24.51	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1112103	25.24	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	140870	23.50	ng/ul	0.02
21) Fluorene-d10	15.27	176	761171	24.65	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.42	200	58919	11.60	ng/ul	0.01
26) Anthracene-d10	17.12	188	1169737	25.17	ng/ul	0.00
30) Pyrene-d10	19.43	212	1290119	26.72	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	1300663	25.48	ng/ul	0.02

Target Compounds

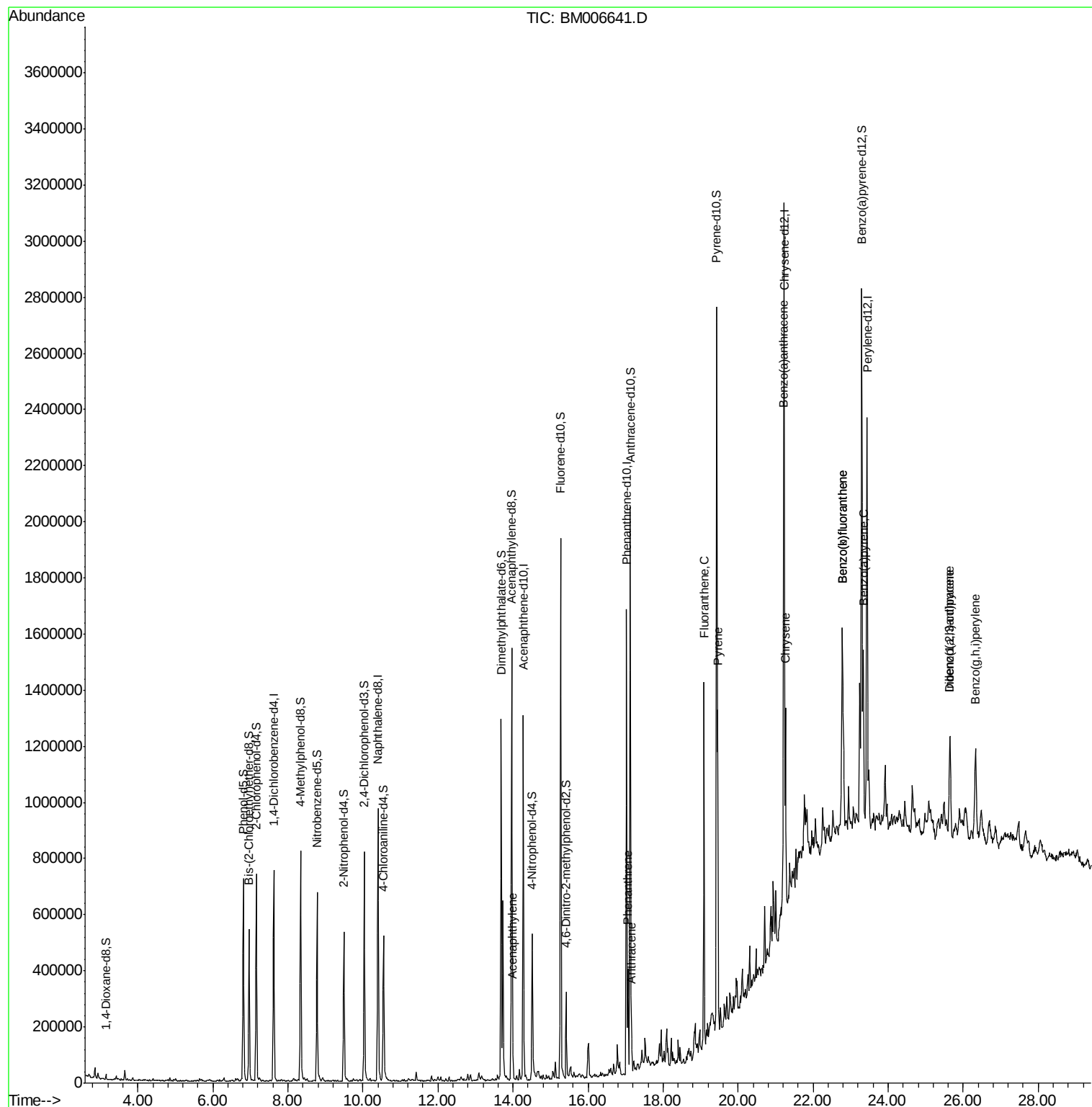
						Qvalue
18) Acenaphthylene	13.99	152	49709	1.05	ng/ul	99
25) Phenanthrene	17.07	178	214564	3.90	ng/ul	98
27) Anthracene	17.16	178	73262	1.29	ng/ul	95
28) Fluoranthene	19.09	202	744688	11.52	ng/ul	99
31) Pyrene	19.46	202	664970	10.37	ng/ul	96
32) Benzo(a)anthracene	21.21	228	413959	6.45	ng/ul	97
33) Chrysene	21.26	228	420274	7.10	ng/ul	96
35) Benzo(b)fluoranthene	22.78	252	628557	9.45	ng/ul	98
36) Benzo(k)fluoranthene	22.78	252	628557	9.77	ng/ul	98
38) Benzo(a)pyrene	23.34	252	434527	6.71	ng/ul#	96
39) Indeno(1,2,3-cd)pyrene	25.65	276	356458	4.75	ng/ul	98
40) Dibenzo(a,h)anthracene	25.64	278	113739	1.83	ng/ul#	84
41) Benzo(g,h,i)perylene	26.33	276	396162	6.16	ng/ul	97

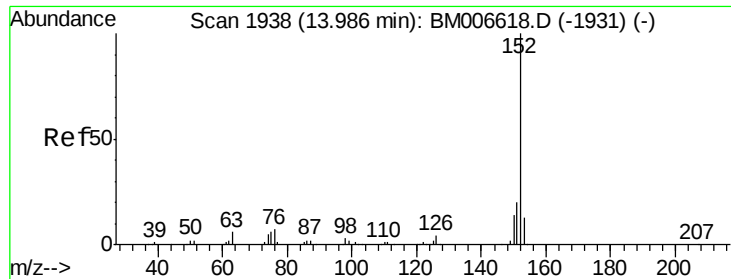
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 23 00:16:38 2016
Response via : Initial Calibration





#18

Acenaphthylene

Concen: 1.05 ng/ul

RT: 13.99 min Scan# 1939

Delta R.T. 0.01 min

Lab File: BM006641.D

Acq: 23 Jul 2016 01:32

Instrument :

BNA_M

ClientSampleId :

D9YP9

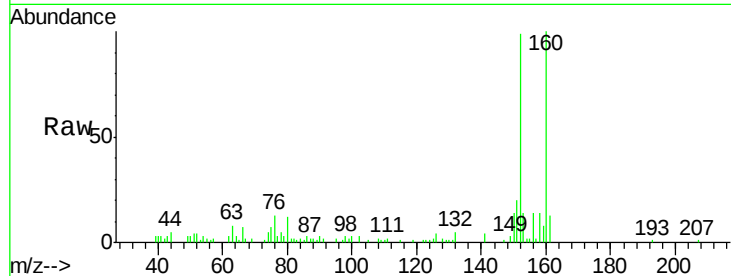
Tgt Ion:152 Resp: 49709

Ion Ratio Lower Upper

152 100

151 20.5 17.3 25.9

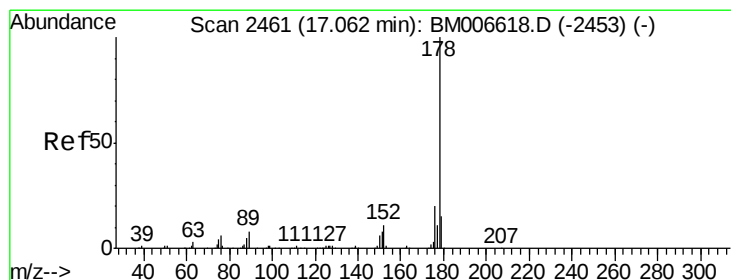
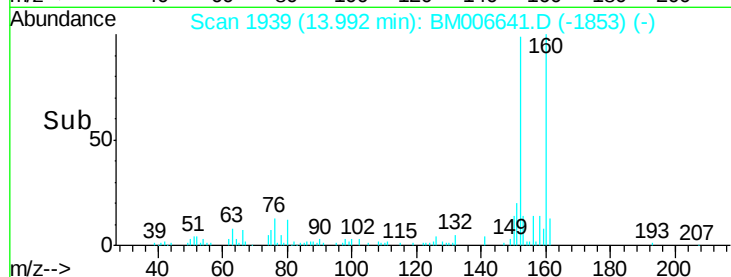
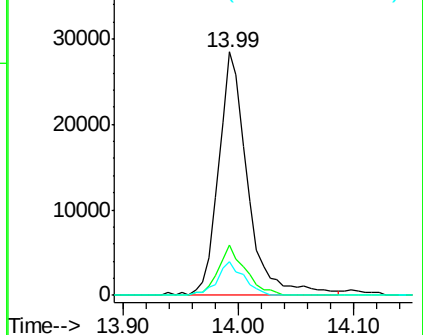
153 13.9 11.1 16.7



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: 3.90 ng/ul

RT: 17.07 min Scan# 2462

Delta R.T. 0.01 min

Lab File: BM006641.D

Acq: 23 Jul 2016 01:32

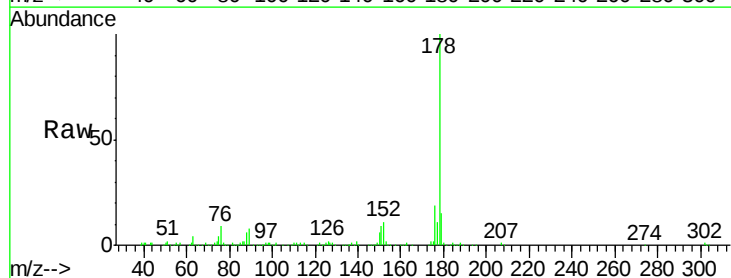
Tgt Ion:178 Resp: 214564

Ion Ratio Lower Upper

178 100

179 15.2 11.8 17.8

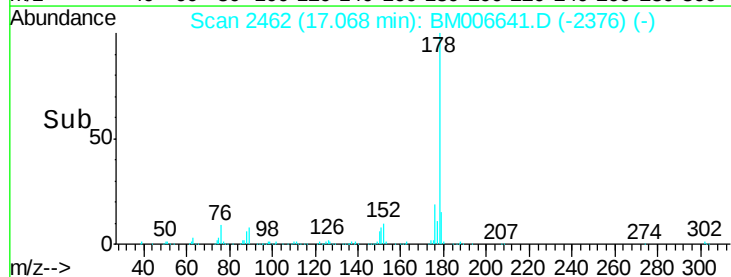
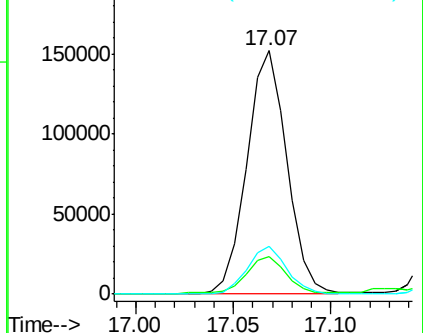
176 19.4 14.8 22.2

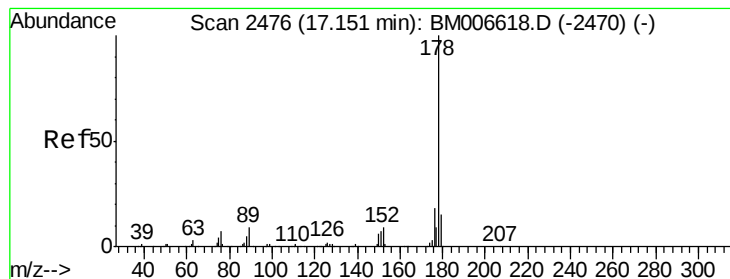


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 1.29 ng/ul

RT: 17.16 min Scan# 2477

Delta R.T. 0.01 min

Lab File: BM006641.D

Acq: 23 Jul 2016 01:32

Instrument :

BNA_M

ClientSampleId :

D9YP9

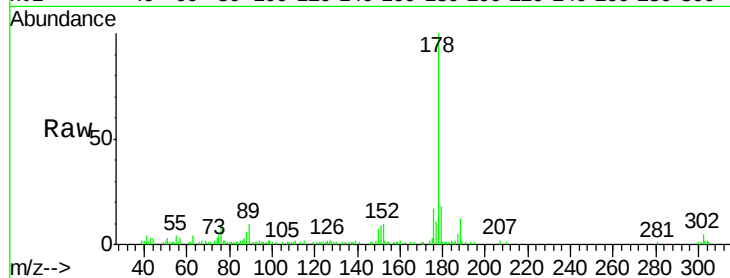
Tgt Ion:178 Resp: 73262

Ion Ratio Lower Upper

178 100

179 17.8 12.9 19.3

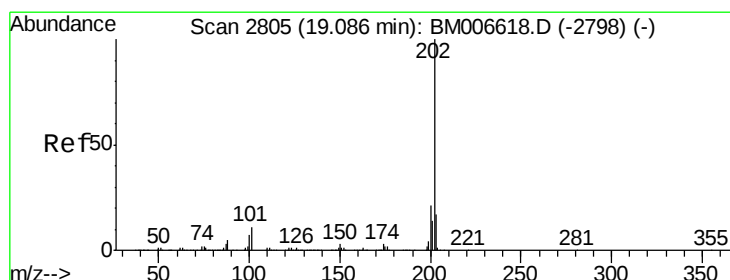
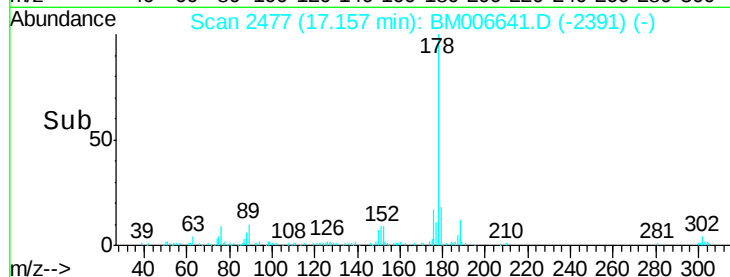
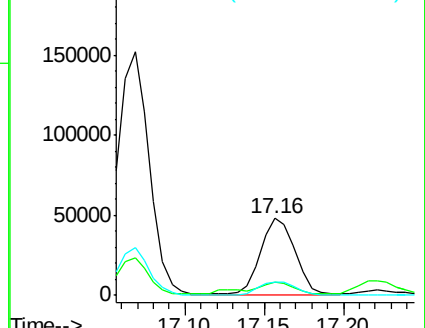
176 17.2 15.6 23.4



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



#28

Fluoranthene

Concen: 11.52 ng/ul

RT: 19.09 min Scan# 2806

Delta R.T. 0.01 min

Lab File: BM006641.D

Acq: 23 Jul 2016 01:32

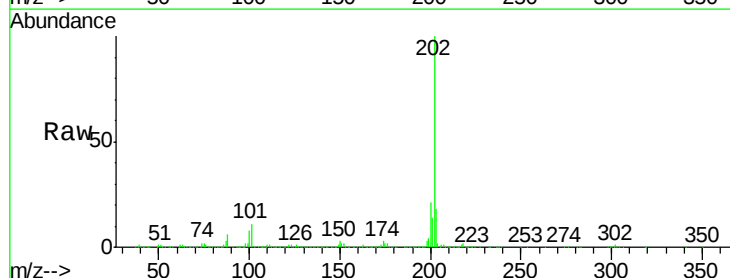
Tgt Ion:202 Resp: 744688

Ion Ratio Lower Upper

202 100

101 10.8 8.9 13.3

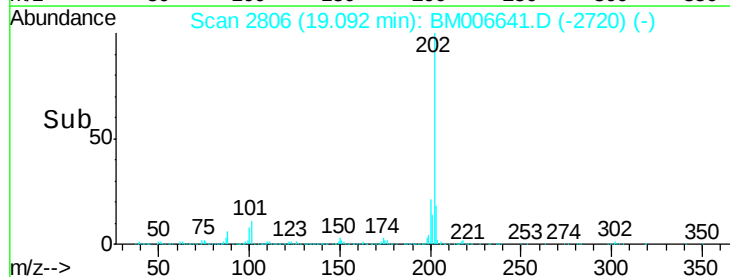
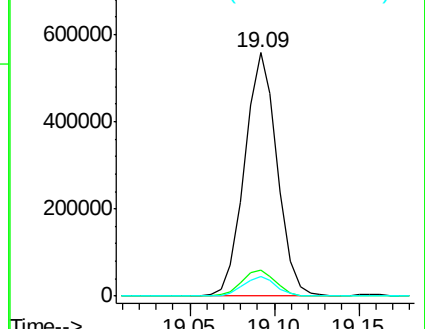
100 8.0 7.0 10.4

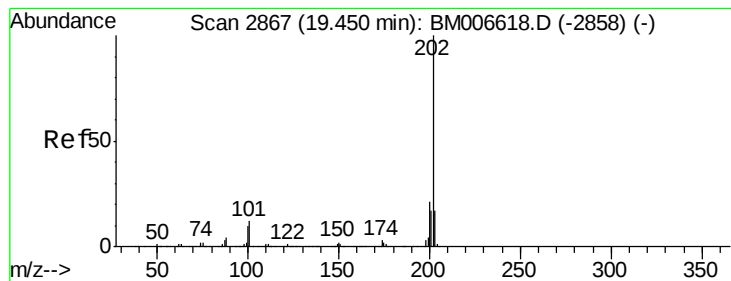


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 10.37 ng/ul

RT: 19.46 min Scan# 2868

Delta R.T. 0.01 min

Lab File: BM006641.D

Acq: 23 Jul 2016 01:32

Instrument :

BNA_M

ClientSampleId :

D9YP9

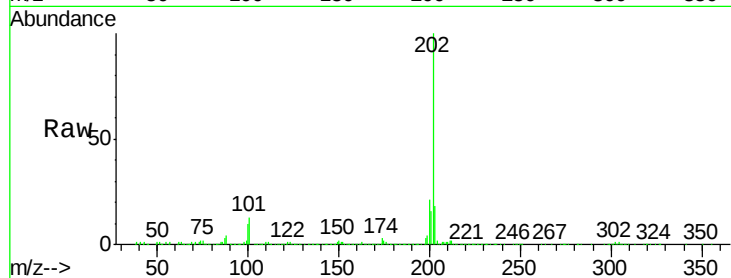
Tgt Ion:202 Resp: 664970

Ion Ratio Lower Upper

202 100

101 13.3 9.8 14.8

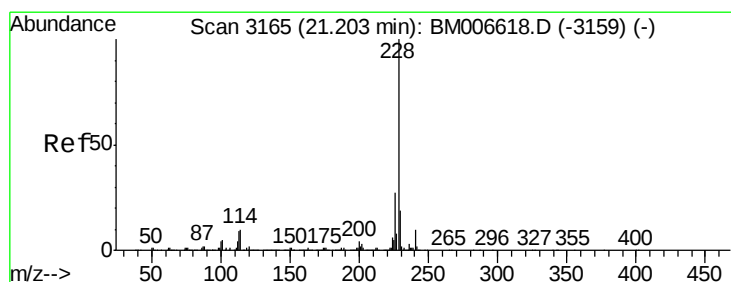
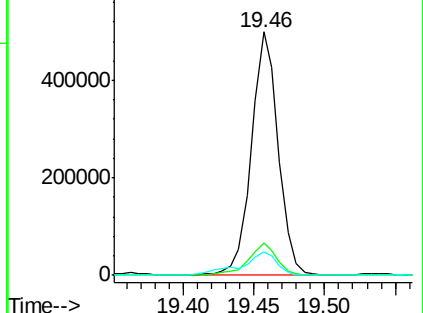
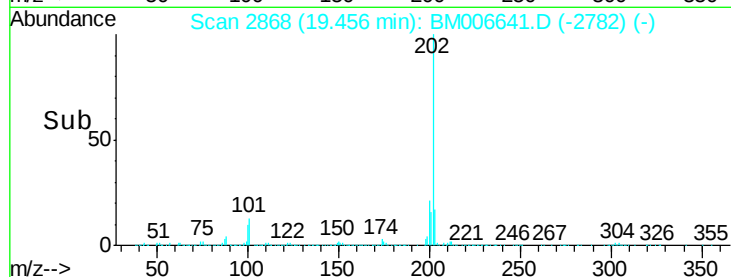
100 9.7 9.3 13.9



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): B



#32

Benzo(a)anthracene

Concen: 6.45 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BM006641.D

Acq: 23 Jul 2016 01:32

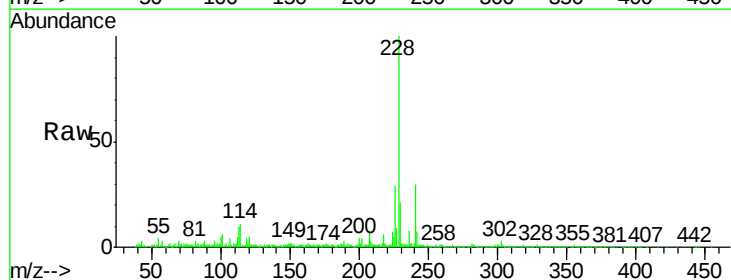
Tgt Ion:228 Resp: 413959

Ion Ratio Lower Upper

228 100

229 20.6 16.6 25.0

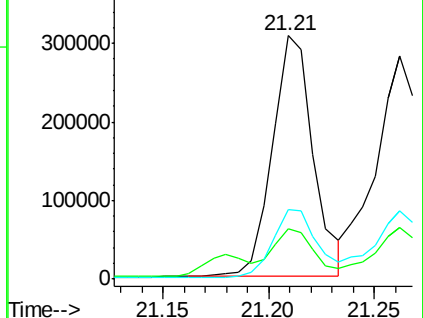
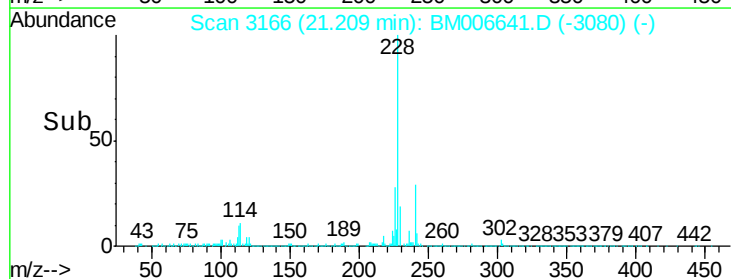
226 28.6 21.0 31.4

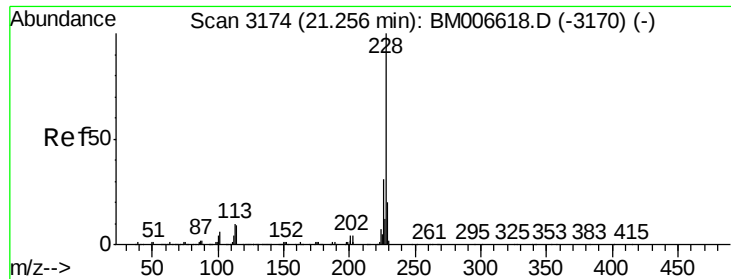


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 7.10 ng/ul

RT: 21.26 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BM006641.D

Acq: 23 Jul 2016 01:32

Instrument :

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ClientSampleId :

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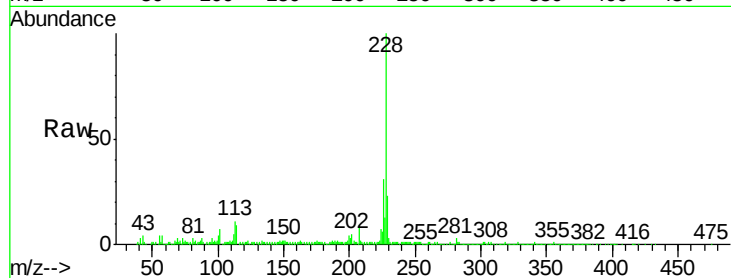
Tgt Ion:228 Resp: 420274

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

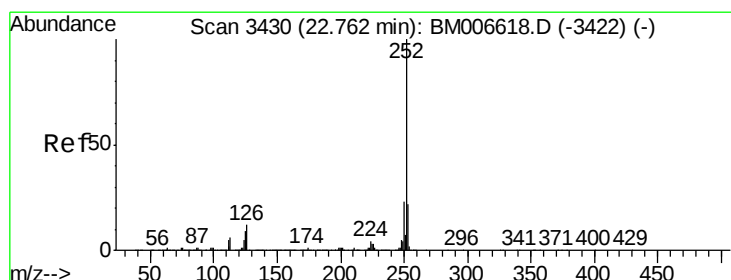
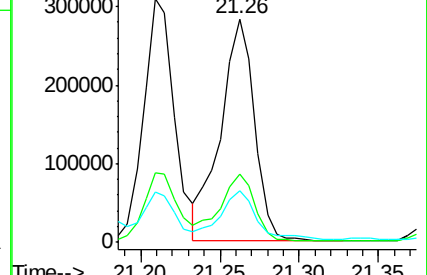
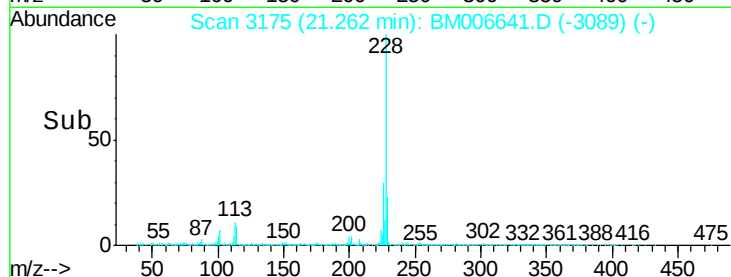
229 23.1 16.2 24.2



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: 9.45 ng/ul

RT: 22.78 min Scan# 3433

Delta R.T. 0.02 min

Lab File: BM006641.D

Acq: 23 Jul 2016 01:32

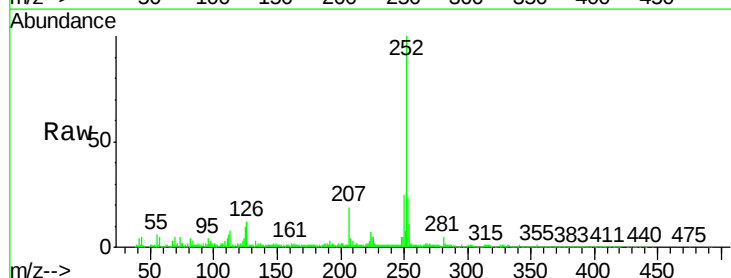
Tgt Ion:252 Resp: 628557

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

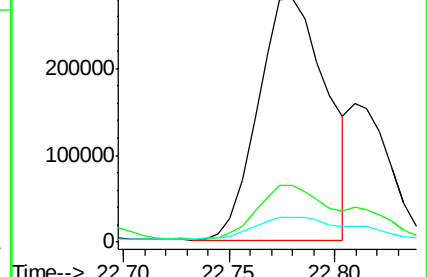
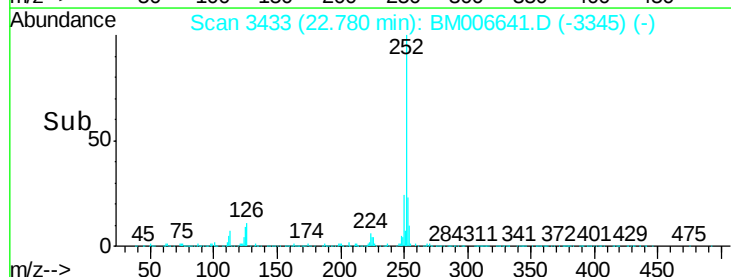
125 10.3 7.6 11.4

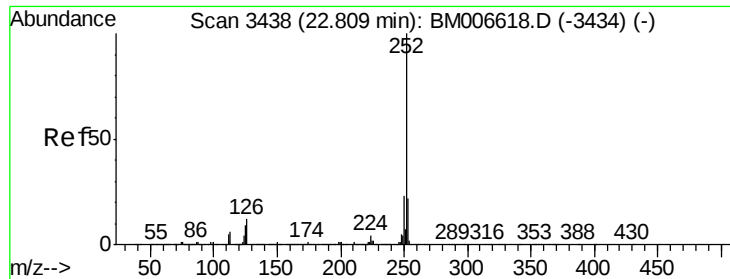


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 9.77 ng/ul

RT: 22.78 min Scan# 3433

Delta R.T. -0.03 min

Lab File: BM006641.D

Acq: 23 Jul 2016 01:32

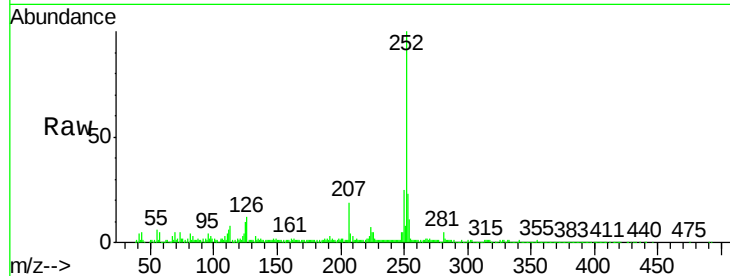
Instrument :

BNA_M

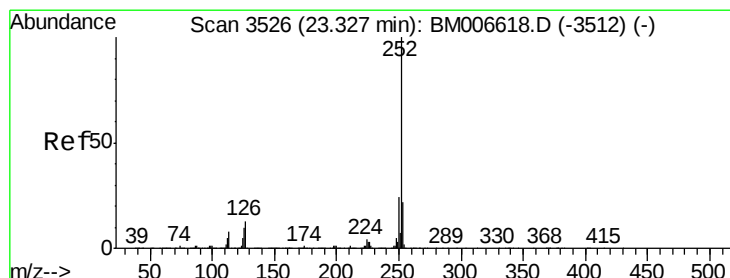
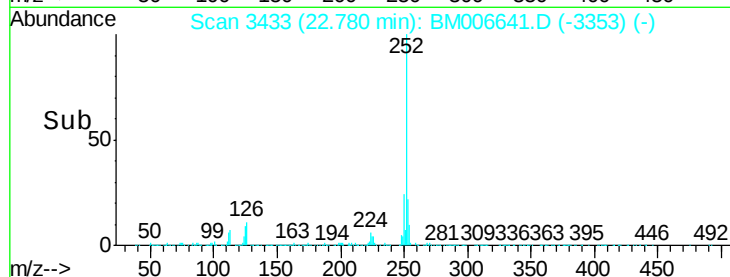
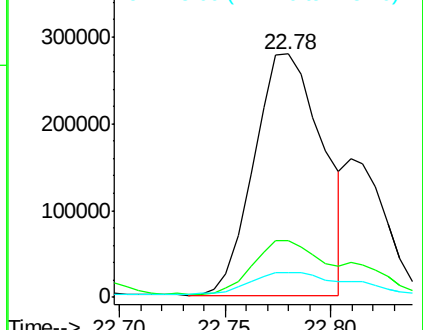
ClientSampleId :

D9YP9

Tgt Ion:	252	Resp:	628557
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	10.3	7.7	11.5



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



#38

Benzo(a)pyrene

Concen: 6.71 ng/ul

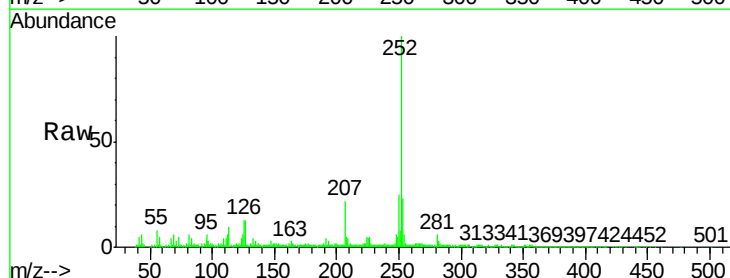
RT: 23.34 min Scan# 3528

Delta R.T. 0.01 min

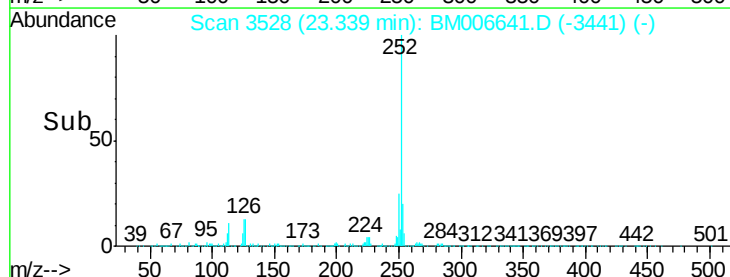
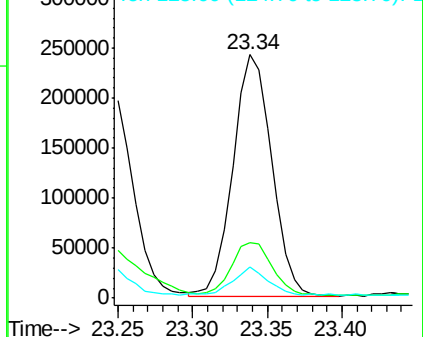
Lab File: BM006641.D

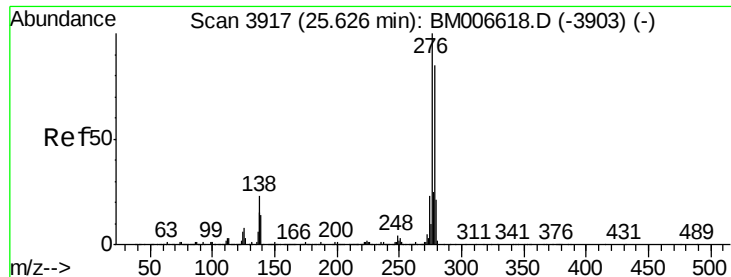
Acq: 23 Jul 2016 01:32

Tgt Ion:	252	Resp:	434527
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	12.6	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





#39

Indeno(1,2,3-cd)pyrene

Concen: 4.75 ng/ul

RT: 25.65 min Scan# 3921

Delta R.T. 0.02 min

Lab File: BM006641.D

Acq: 23 Jul 2016 01:32

Instrument :

BNA_M

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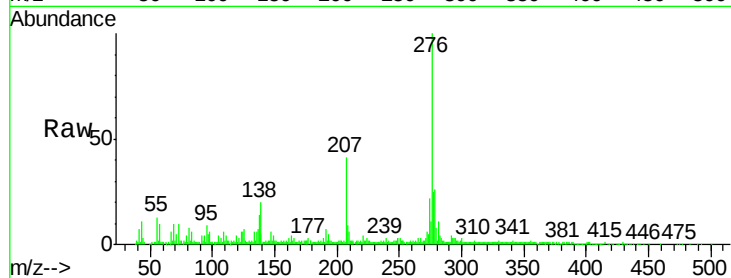
Tgt Ion:276 Resp: 356458

Ion Ratio Lower Upper

276 100

138 20.3 15.8 23.6

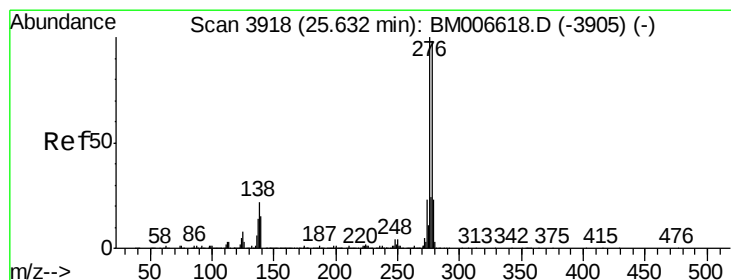
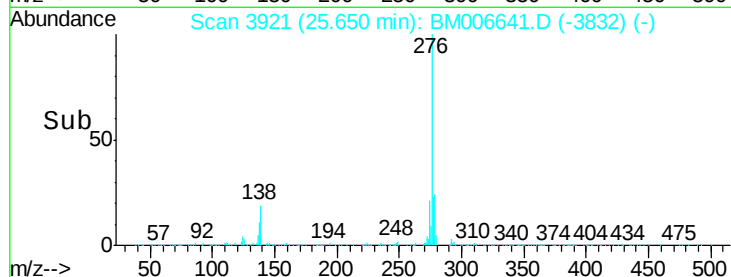
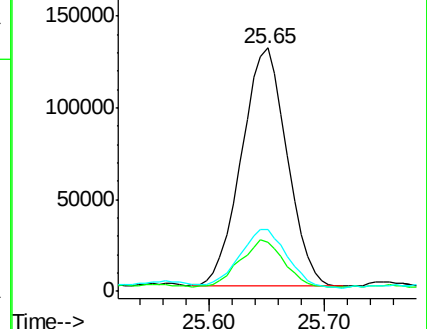
277 25.3 19.0 28.6



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: 1.83 ng/ul

RT: 25.64 min Scan# 3920

Delta R.T. 0.01 min

Lab File: BM006641.D

Acq: 23 Jul 2016 01:32

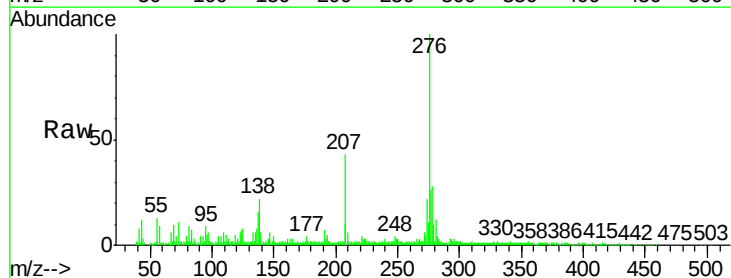
Tgt Ion:278 Resp: 113739

Ion Ratio Lower Upper

278 100

139 20.3 12.1 18.1#

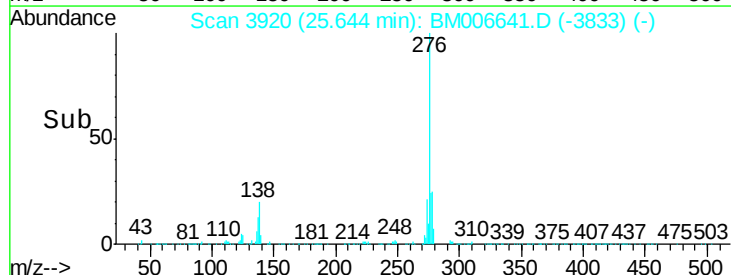
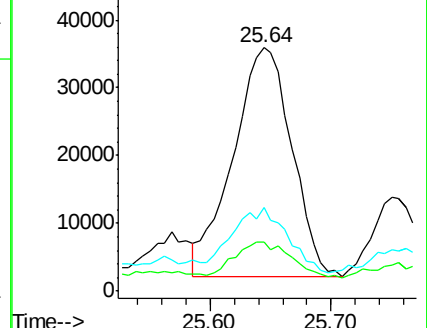
279 34.1 19.8 29.8#

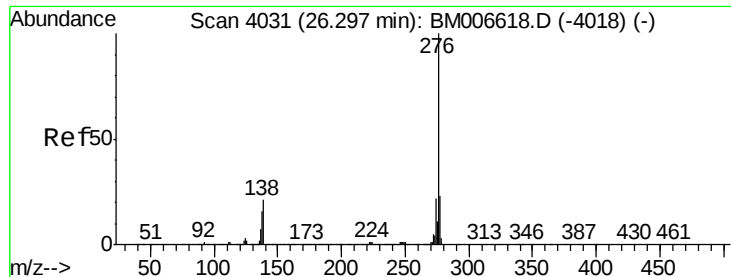


Abundance Ion 278.00 (277.70 to 278.70): E

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: 6.16 ng/ul

RT: 26.33 min Scan# 4037

Delta R.T. 0.04 min

Lab File: BM006641.D

Acq: 23 Jul 2016 01:32

Instrument :

BNA_M

ClientSampleId :

D9YP9

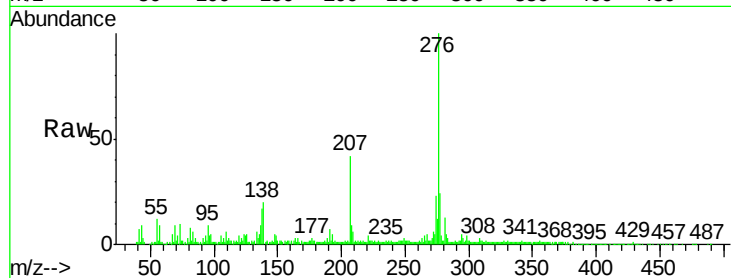
Tgt Ion: 276 Resp: 396162

Ion Ratio Lower Upper

276 100

138 19.7 13.9 20.9

277 24.1 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

