

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072116\
 Data File : BM006608.D
 Acq On : 22 Jul 2016 04:18
 Operator : UM/SJ
 Sample : H4078-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YS3

Quant Time: Jul 22 07:19:22 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 22 01:56:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	163560	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	688917	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	366328	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	822239	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	959456	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1033039	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	7220	1.79	ng/uL	0.00
3) Phenol-d5	6.79	99	227483	16.35	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	163843	19.01	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	199360	17.93	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	148421	13.75	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	96256	18.46	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	103944	18.74	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	180398	17.21	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	163075	14.13	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	541716	18.86	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	698085	19.04	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	59515	11.93	ng/ul	0.01
21) Fluorene-d10	15.26	176	480600	18.71	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	46103	10.80	ng/ul	0.00
26) Anthracene-d10	17.11	188	736237	18.86	ng/ul	0.00
30) Pyrene-d10	19.42	212	839805	19.21	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	908933	19.13	ng/ul	0.00

Target Compounds

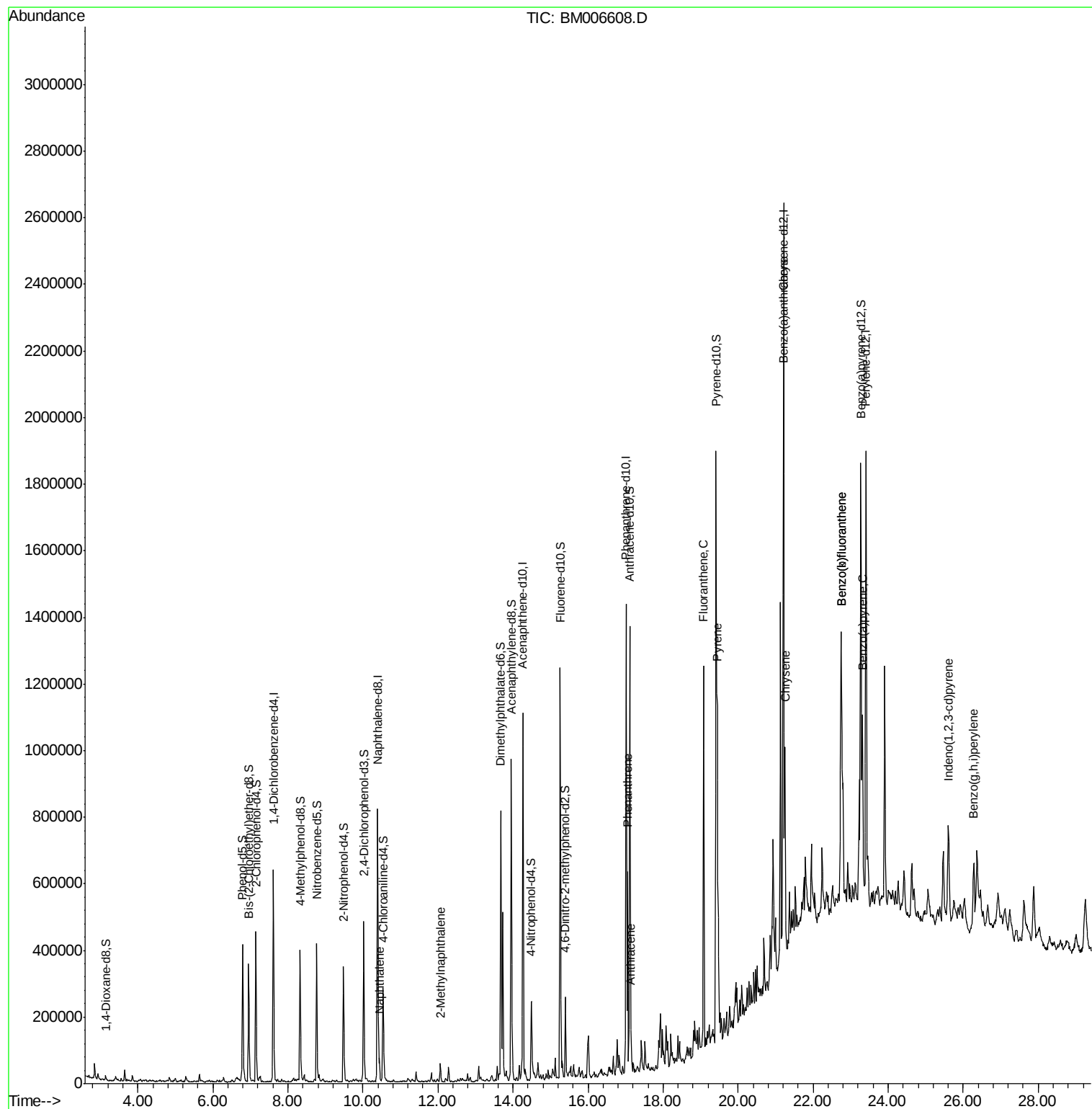
						Qvalue
11) Naphthalene	10.44	128	39961	1.12	ng/ul	98
13) 2-Methylnaphthalene	12.06	142	27616	1.06	ng/ul	97
25) Phenanthrene	17.06	178	350555	7.58	ng/ul	99
27) Anthracene	17.14	178	69416	1.46	ng/ul	98
28) Fluoranthene	19.08	202	670879	12.35	ng/ul	98
31) Pyrene	19.44	202	578515	9.96	ng/ul	97
32) Benzo(a)anthracene	21.20	228	350490	6.03	ng/ul	97
33) Chrysene	21.25	228	374704	6.99	ng/ul	95
35) Benzo(b)fluoranthene	22.76	252	565925	9.14	ng/ul	99
36) Benzo(k)fluoranthene	22.76	252	565925	9.45	ng/ul	100
38) Benzo(a)pyrene	23.32	252	358092	5.94	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.60	276	276697	3.96	ng/ul	96
41) Benzo(g,h,i)perylene	26.29	276	258886	4.33	ng/ul	98

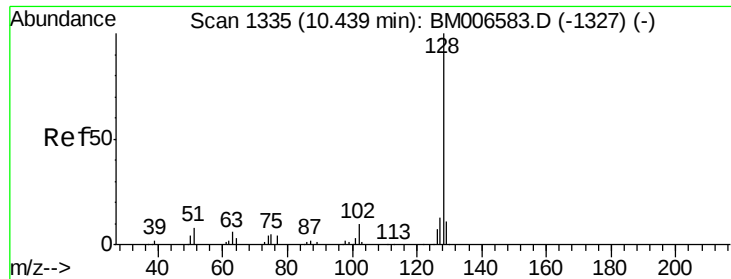
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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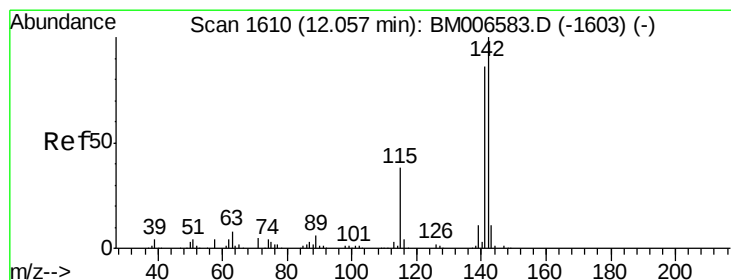
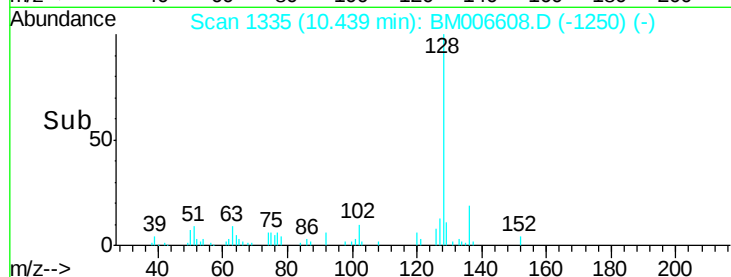
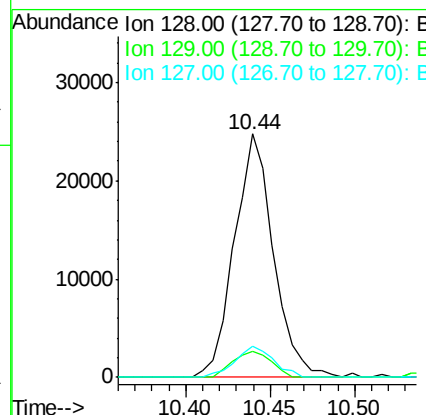
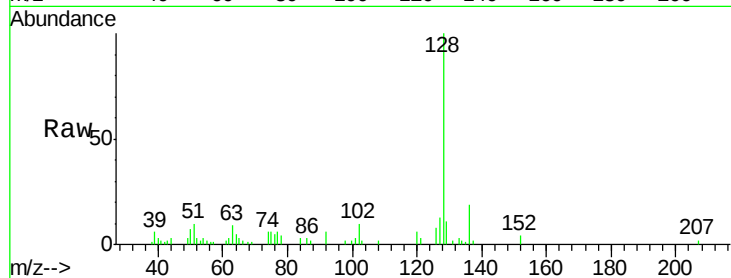




#11
Naphthalene
Concen: 1.12 ng/ul
RT: 10.44 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BM006608.D
Acq: 22 Jul 2016 04:18

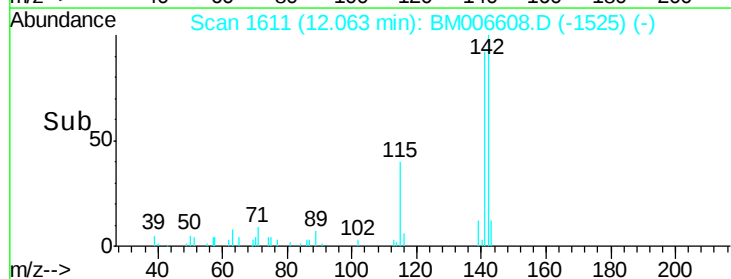
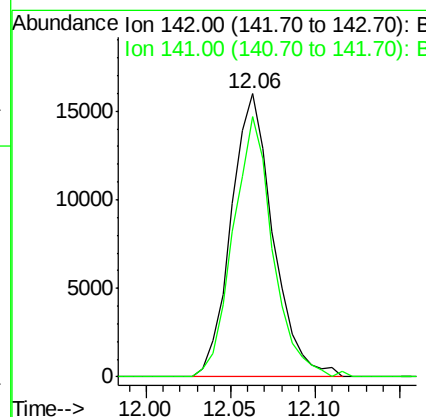
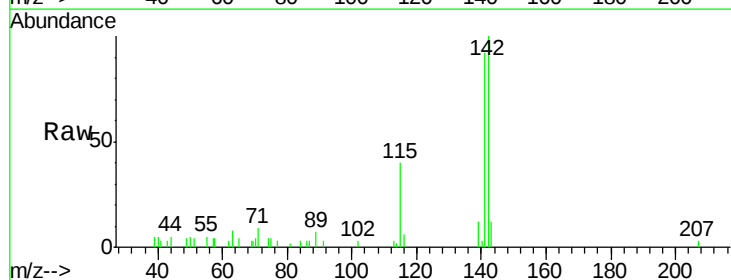
Instrument :
BNA_M
ClientSampleId :
D9YS3

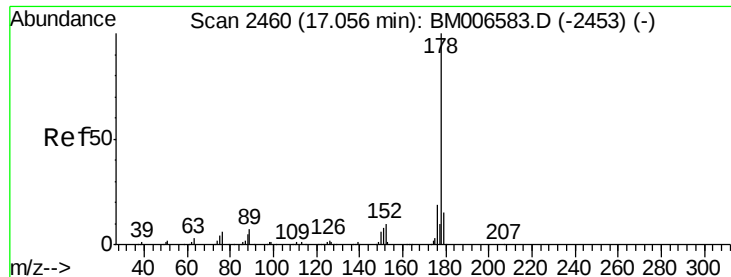
Tgt Ion:128 Resp: 39961
Ion Ratio Lower Upper
128 100
129 10.6 8.3 12.5
127 12.6 10.8 16.2



#13
2-Methylnaphthalene
Concen: 1.06 ng/ul
RT: 12.06 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BM006608.D
Acq: 22 Jul 2016 04:18

Tgt Ion:142 Resp: 27616
Ion Ratio Lower Upper
142 100
141 91.8 71.3 106.9





#25

Phenanthrene

Concen: 7.58 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM006608.D

Acq: 22 Jul 2016 04:18

Instrument :

BNA_M

ClientSampleId :

D9YS3

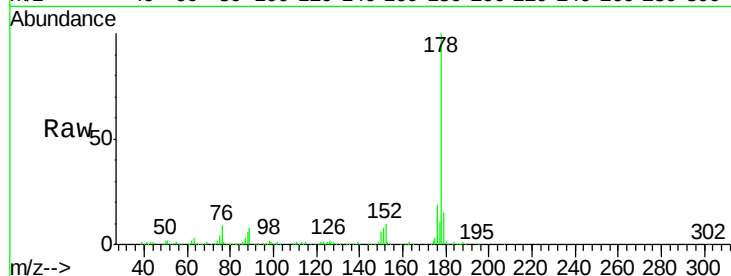
Tgt Ion:178 Resp: 350555

Ion Ratio Lower Upper

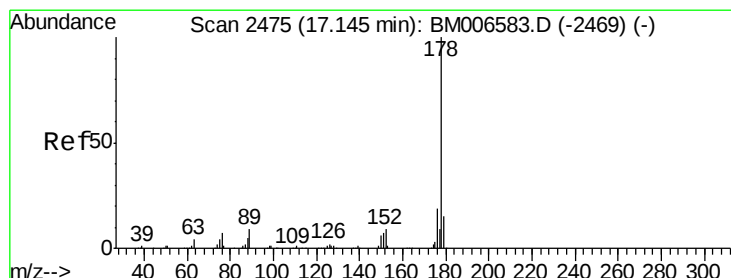
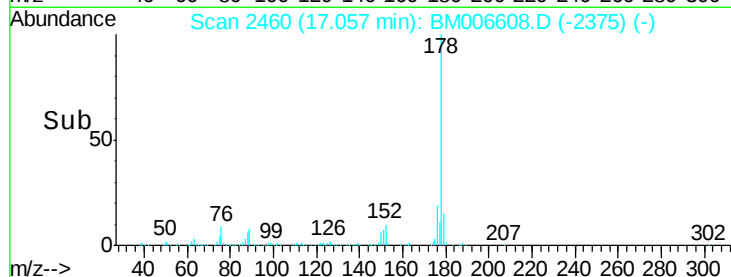
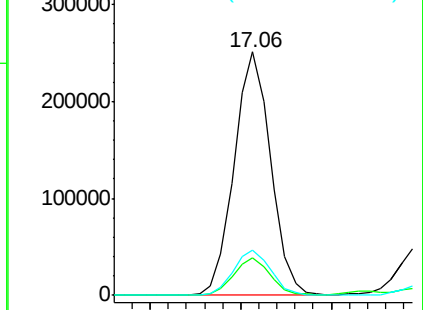
178 100

179 15.2 11.8 17.8

176 18.6 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: 1.46 ng/ul

RT: 17.14 min Scan# 2475

Delta R.T. 0.00 min

Lab File: BM006608.D

Acq: 22 Jul 2016 04:18

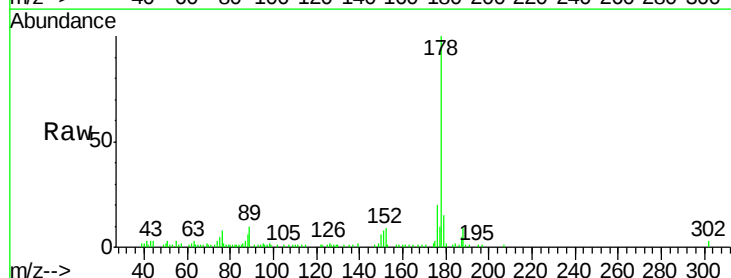
Tgt Ion:178 Resp: 69416

Ion Ratio Lower Upper

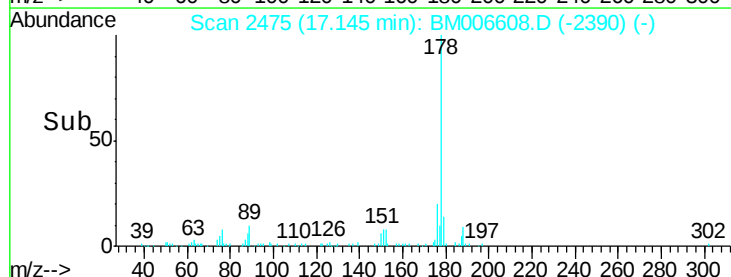
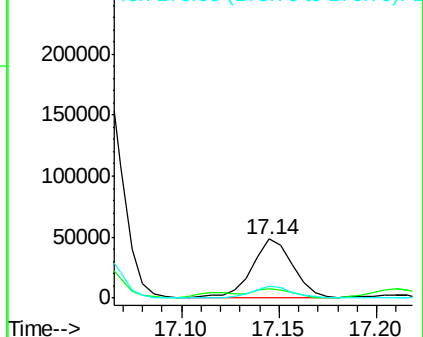
178 100

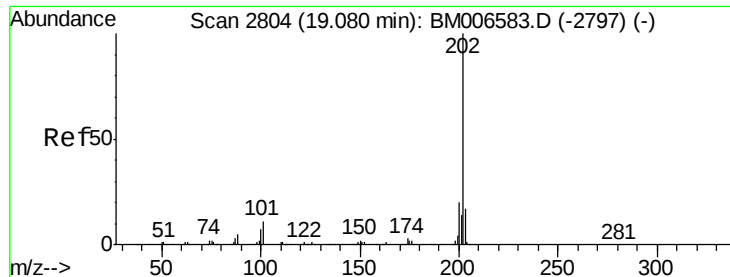
179 14.9 12.9 19.3

176 20.1 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: 12.35 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006608.D

Acq: 22 Jul 2016 04:18

Instrument :

BNA_M

ClientSampleId :

D9YS3

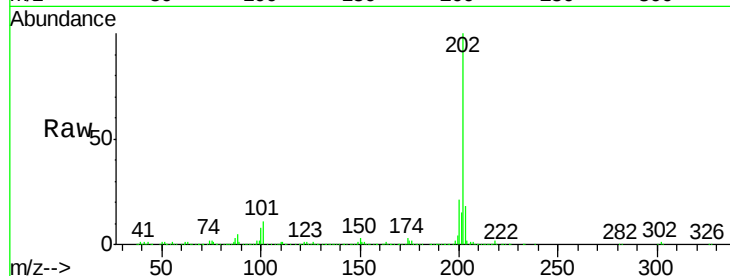
Tgt Ion:202 Resp: 670879

Ion Ratio Lower Upper

202 100

101 10.6 8.9 13.3

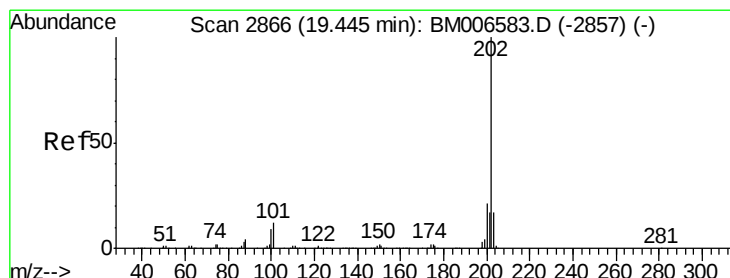
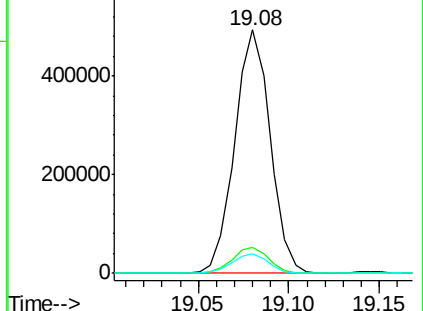
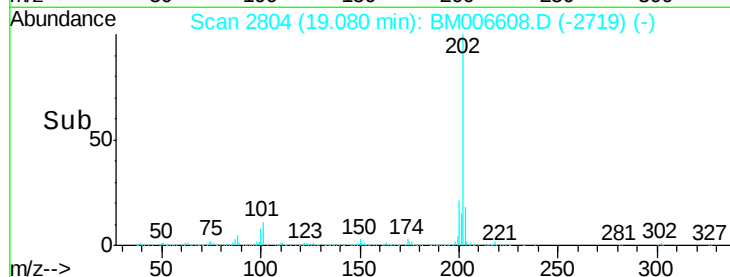
100 7.9 7.0 10.4



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: 9.96 ng/ul

RT: 19.44 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BM006608.D

Acq: 22 Jul 2016 04:18

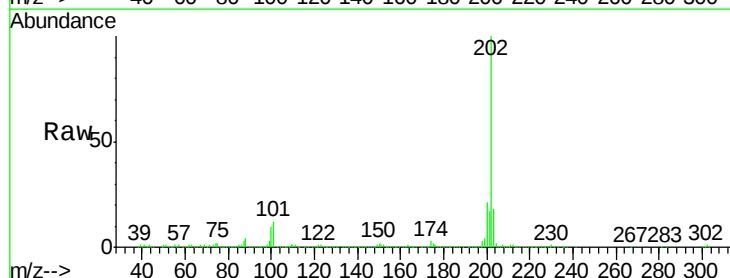
Tgt Ion:202 Resp: 578515

Ion Ratio Lower Upper

202 100

101 11.7 9.8 14.8

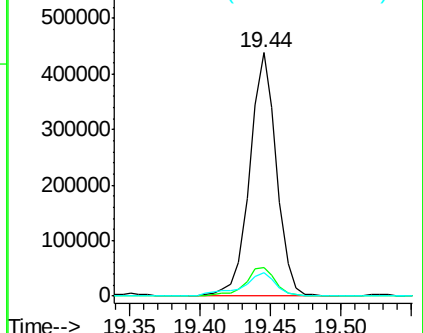
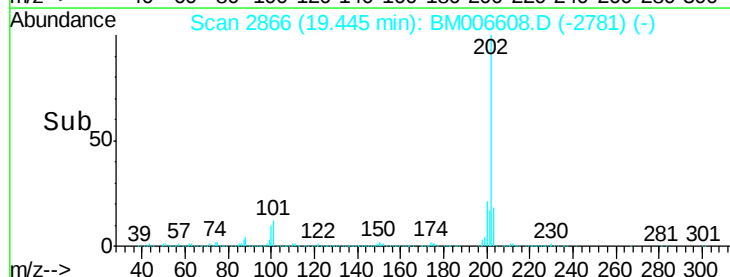
100 9.5 9.3 13.9

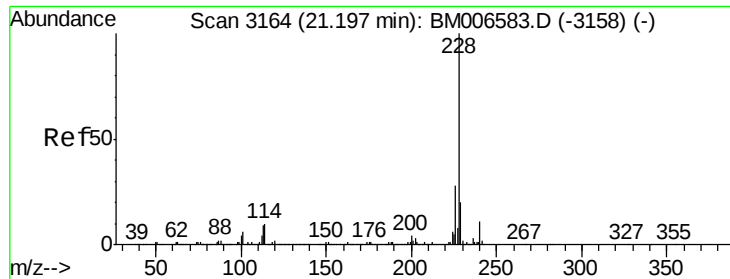


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 6.03 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006608.D

Acq: 22 Jul 2016 04:18

Instrument :

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ClientSampleId :

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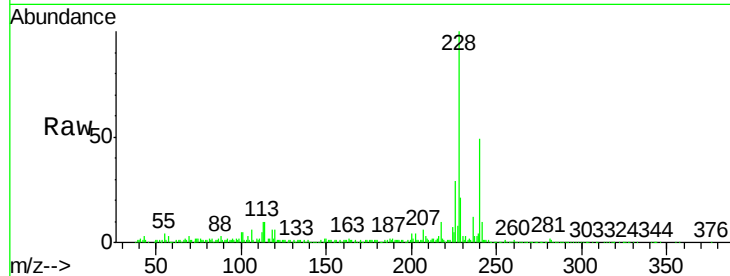
Tgt Ion:228 Resp: 350490

Ion Ratio Lower Upper

228 100

229 21.1 16.6 25.0

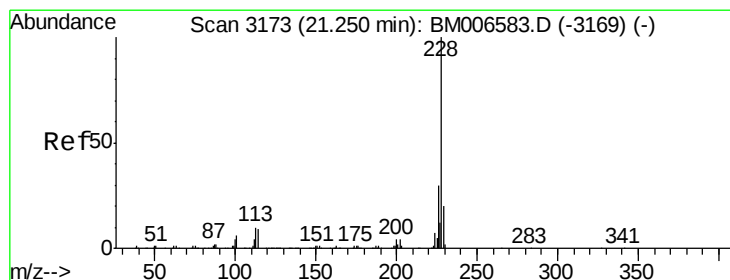
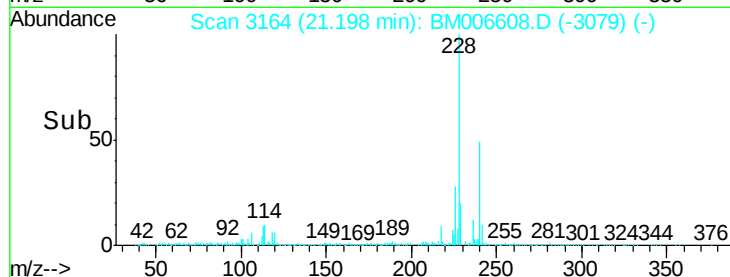
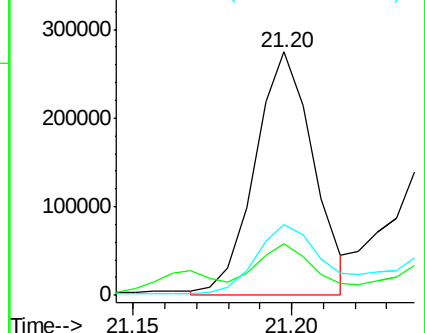
226 28.9 21.0 31.4



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: 6.99 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BM006608.D

Acq: 22 Jul 2016 04:18

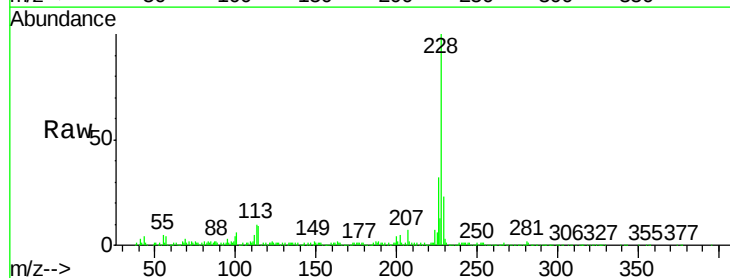
Tgt Ion:228 Resp: 374704

Ion Ratio Lower Upper

228 100

226 31.8 23.4 35.2

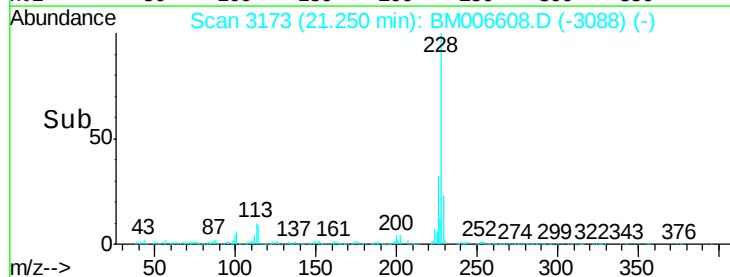
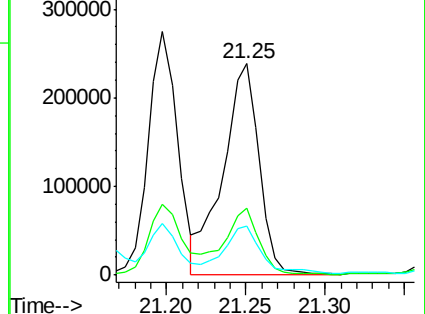
229 23.2 16.2 24.2

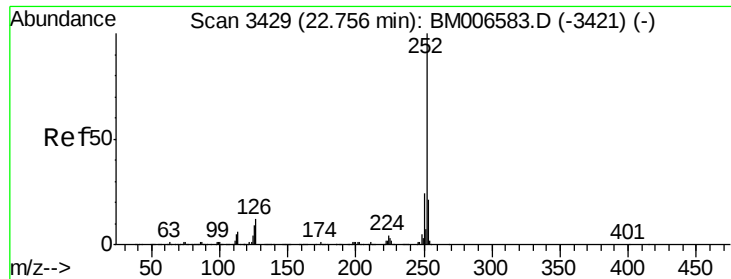


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

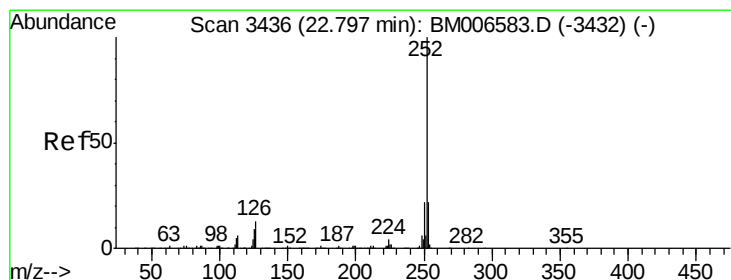
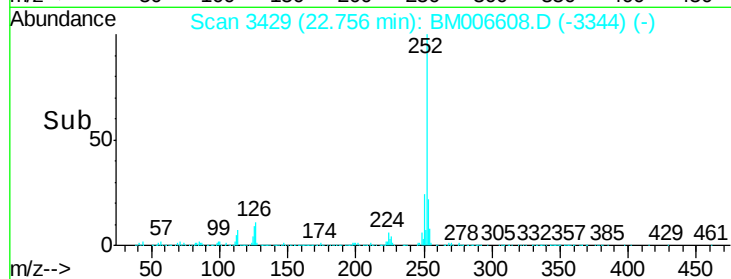
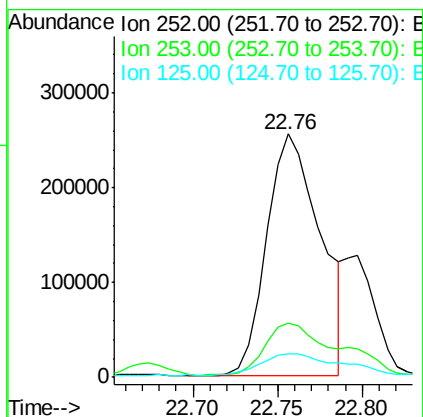
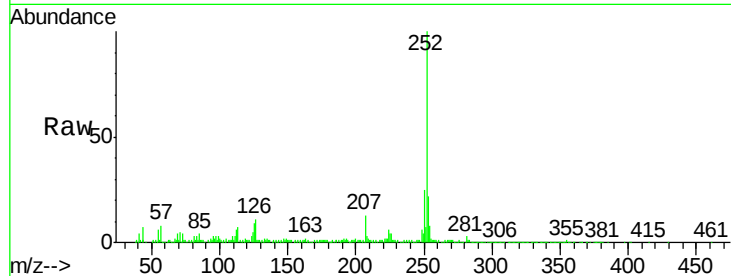




#35
Benzo(b)fluoranthene
Concen: 9.14 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. 0.00 min
Lab File: BM006608.D
Acq: 22 Jul 2016 04:18

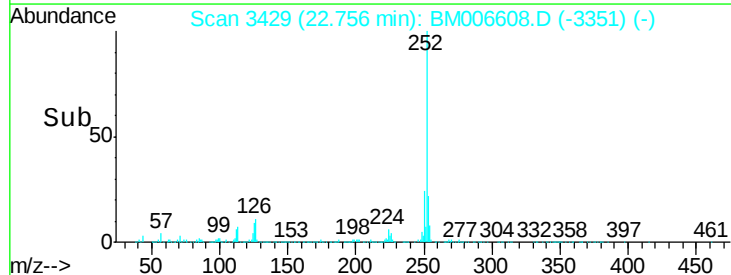
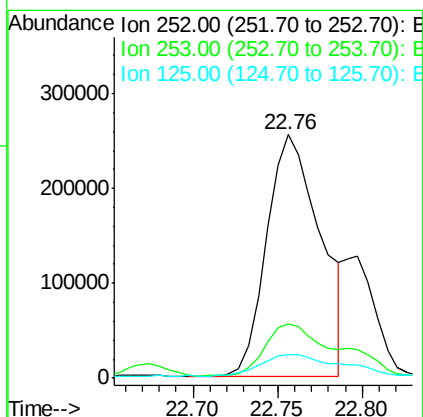
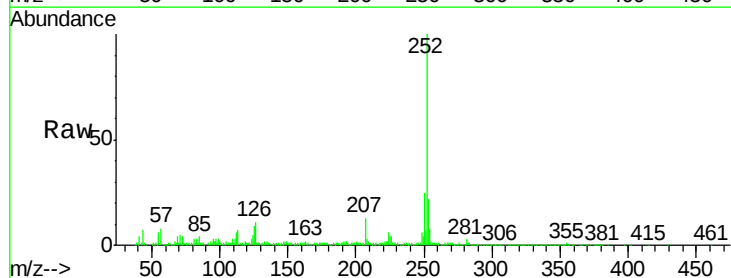
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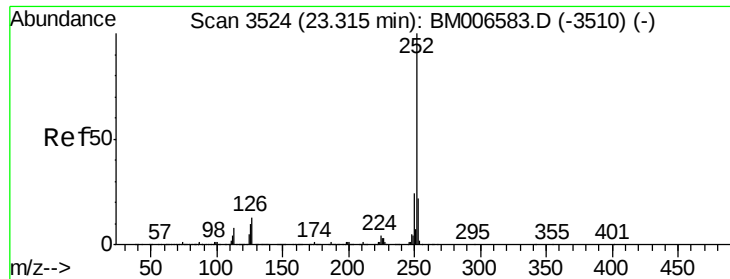
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	9.4	7.6	11.4



#36
Benzo(k)fluoranthene
Concen: 9.45 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. -0.04 min
Lab File: BM006608.D
Acq: 22 Jul 2016 04:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	9.4	7.7	11.5





#38

Benzo(a)pyrene

Concen: 5.94 ng/ul

RT: 23.32 min Scan# 3524

Delta R.T. 0.00 min

Lab File: BM006608.D

Acq: 22 Jul 2016 04:18

Instrument :

BNA_M

ClientSampleId :

D9YS3

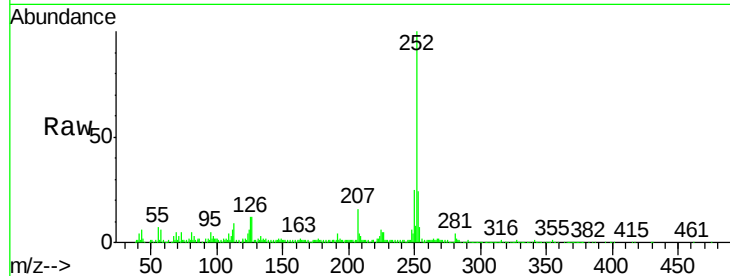
Tgt Ion:252 Resp: 358092

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

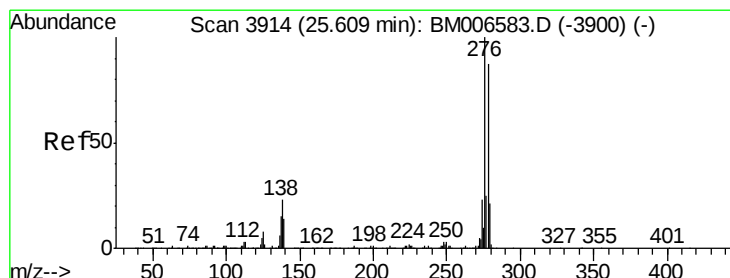
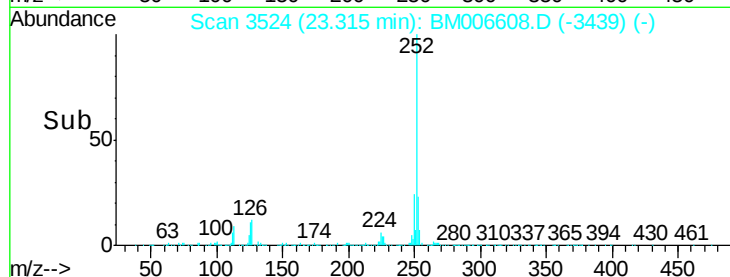
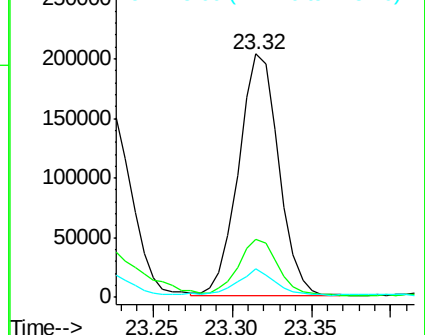
125 11.6 8.2 12.2



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: 3.96 ng/ul

RT: 25.60 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BM006608.D

Acq: 22 Jul 2016 04:18

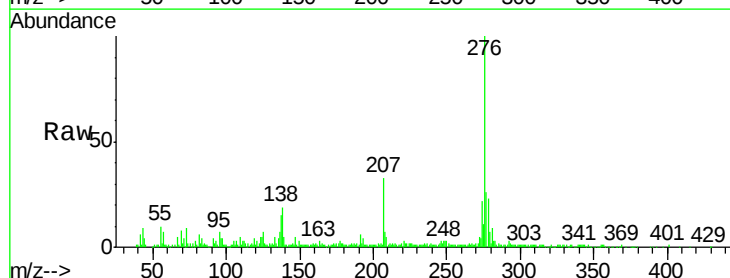
Tgt Ion:276 Resp: 276697

Ion Ratio Lower Upper

276 100

138 18.9 15.8 23.6

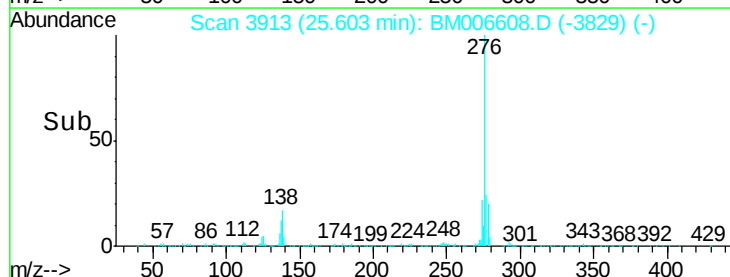
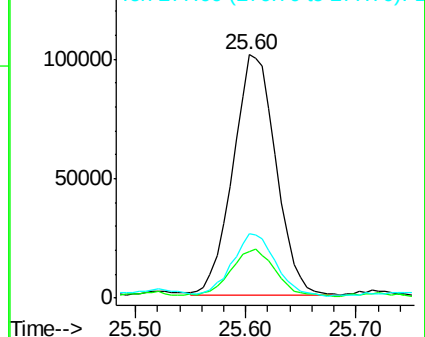
277 26.4 19.0 28.6

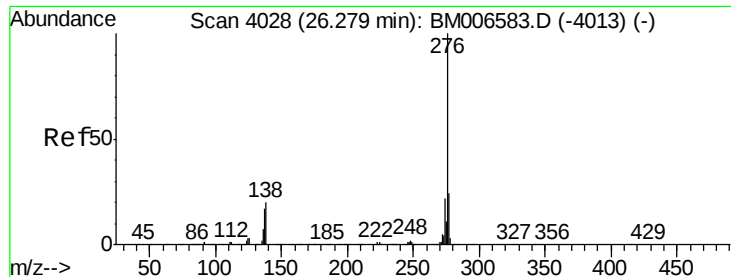


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#41

Benzo(g,h,i)perylene

Concen: 4.33 ng/ul

RT: 26.29 min Scan# 4029

Delta R.T. 0.01 min

Lab File: BM006608.D

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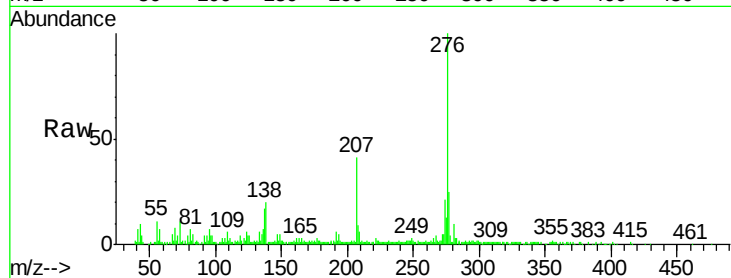
Tgt Ion: 276 Resp: 258886

Ion Ratio Lower Upper

276 100

138 19.9 13.9 20.9

277 24.7 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

