

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072116\
 Data File : BM006607.D
 Acq On : 22 Jul 2016 03:42
 Operator : UM/SJ
 Sample : H4077-14
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YS8

Quant Time: Jul 22 07:19:13 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	173942	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	739276	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	401990	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	909314	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1078455	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1143940	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	7983	1.86	ng/uL	0.00
3) Phenol-d5	6.79	99	311793	21.07	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	200429	21.86	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	252952	21.39	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	215708	18.80	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	125562	22.44	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	130816	21.98	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	235736	20.96	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	275938	22.28	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	699126	22.18	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	923169	22.95	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	90547	16.54	ng/ul	0.00
21) Fluorene-d10	15.26	176	632721	22.45	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	61546	13.04	ng/ul	0.00
26) Anthracene-d10	17.12	188	956312	22.15	ng/ul	0.00
30) Pyrene-d10	19.42	212	1127953	22.95	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	1193885	22.69	ng/ul	0.00

Target Compounds

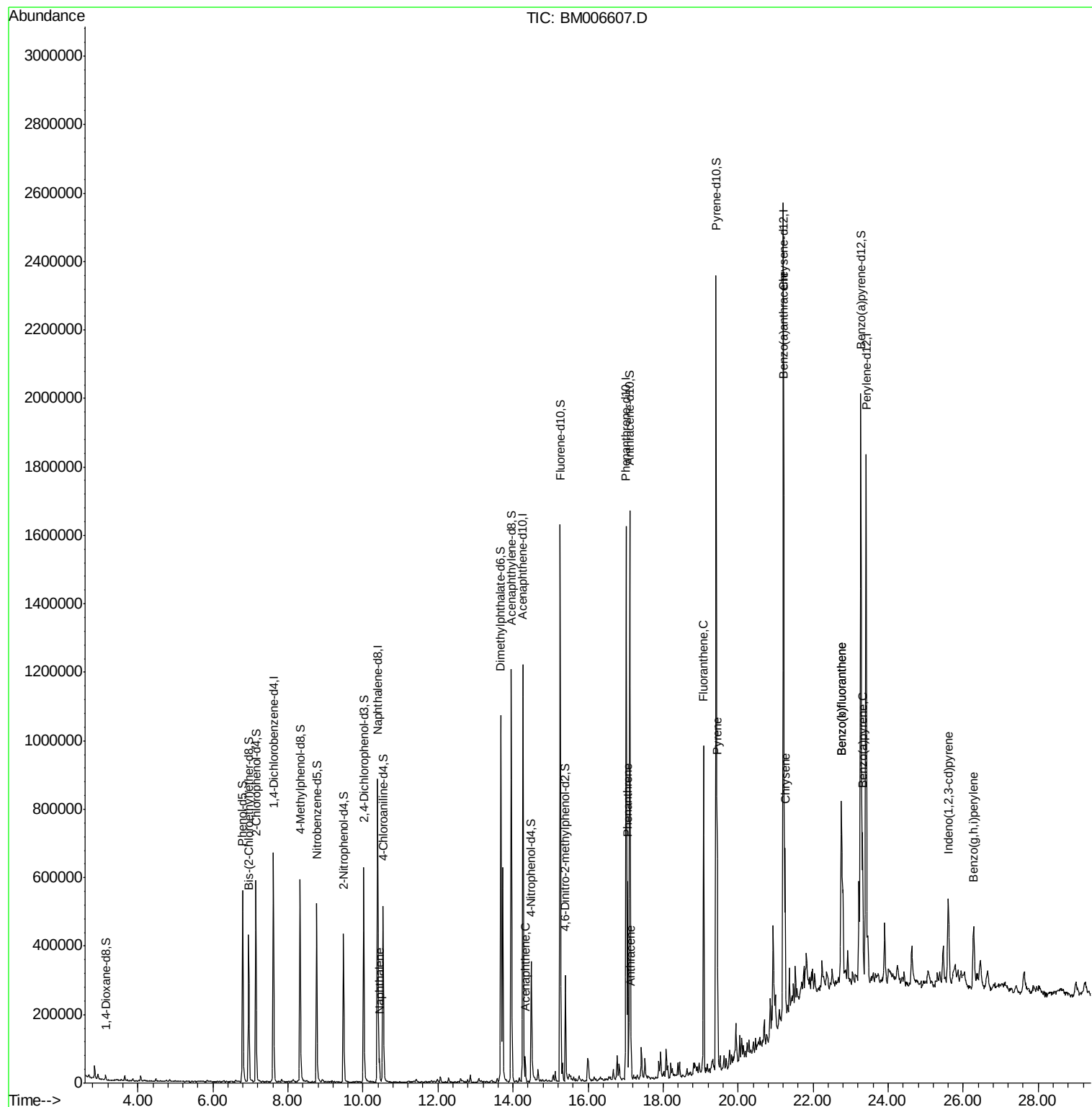
						Qvalue
11) Naphthalene	10.44	128	47065	1.23	ng/ul	98
19) Acenaphthene	14.33	153	30389	1.10	ng/ul	96
25) Phenanthrene	17.06	178	338572	6.62	ng/ul	98
27) Anthracene	17.14	178	62480	1.19	ng/ul	99
28) Fluoranthene	19.08	202	549428	9.15	ng/ul	99
31) Pyrene	19.44	202	462644	7.08	ng/ul	97
32) Benzo(a)anthracene	21.20	228	265894	4.07	ng/ul	97
33) Chrysene	21.25	228	280102	4.65	ng/ul	98
35) Benzo(b)fluoranthene	22.76	252	459329	6.70	ng/ul	99
36) Benzo(k)fluoranthene	22.76	252	459329	6.93	ng/ul	100
38) Benzo(a)pyrene	23.31	252	300584	4.50	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.60	276	244941	3.17	ng/ul	98
41) Benzo(g,h,i)perylene	26.29	276	224769	3.39	ng/ul	98

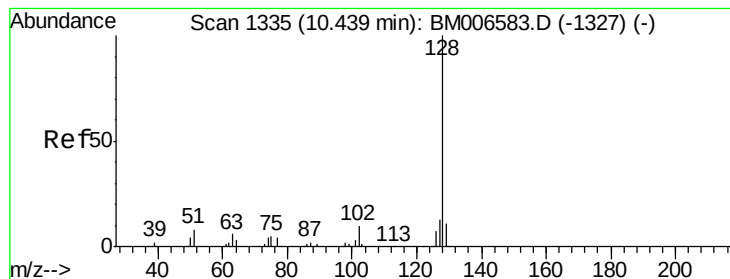
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Naphthalene

Concen: 1.23 ng/ul

RT: 10.44 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BM006607.D

Acq: 22 Jul 2016 03:42

Instrument :

BNA_M

ClientSampleId :

D9YS8

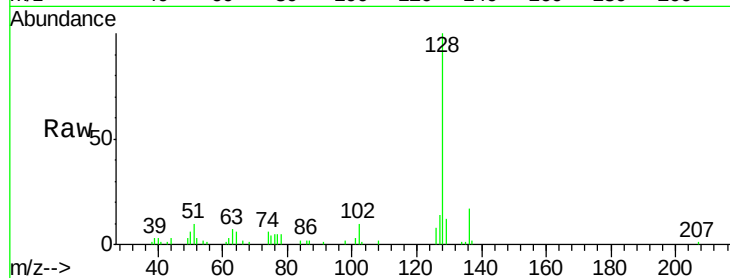
Tgt Ion:128 Resp: 47065

Ion Ratio Lower Upper

128 100

129 11.5 8.3 12.5

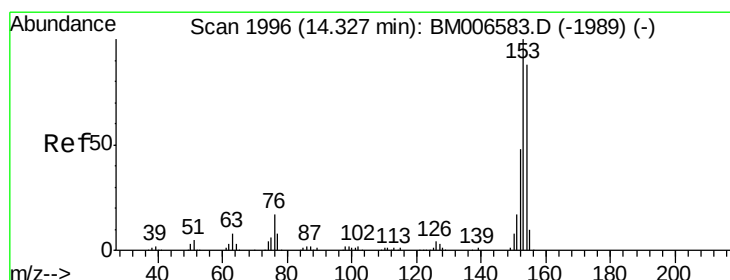
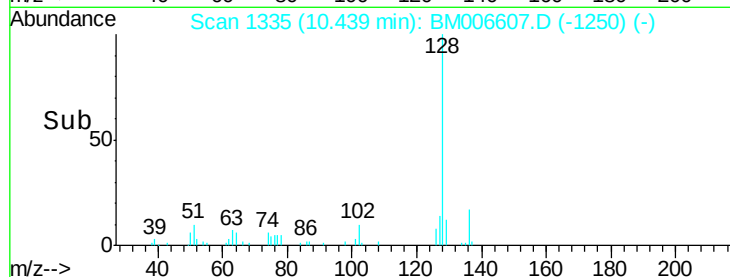
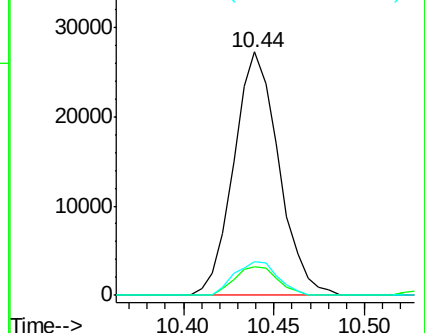
127 13.9 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#19

Acenaphthene

Concen: 1.10 ng/ul

RT: 14.33 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BM006607.D

Acq: 22 Jul 2016 03:42

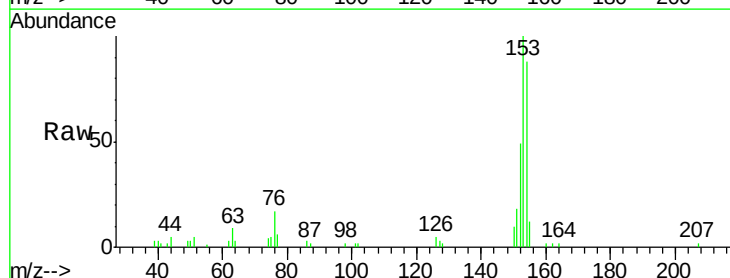
Tgt Ion:153 Resp: 30389

Ion Ratio Lower Upper

153 100

152 48.7 36.5 54.7

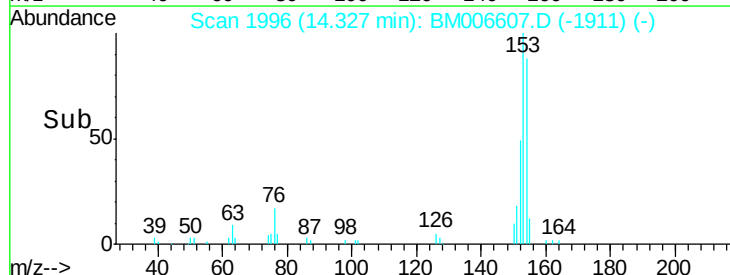
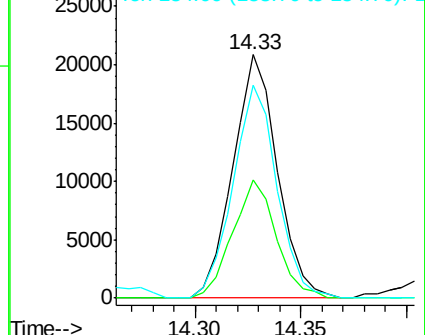
154 87.6 67.3 100.9

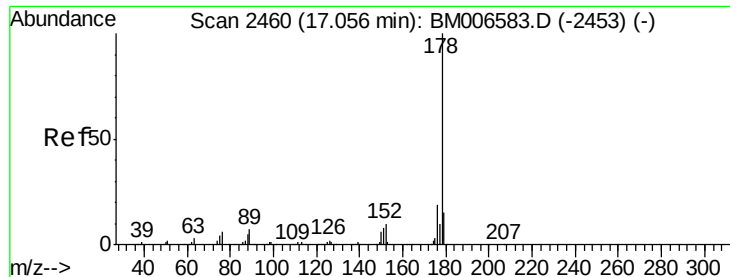


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#25

Phenanthrene

Concen: 6.62 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM006607.D

Acq: 22 Jul 2016 03:42

Instrument :

BNA_M

ClientSampleId :

D9YS8

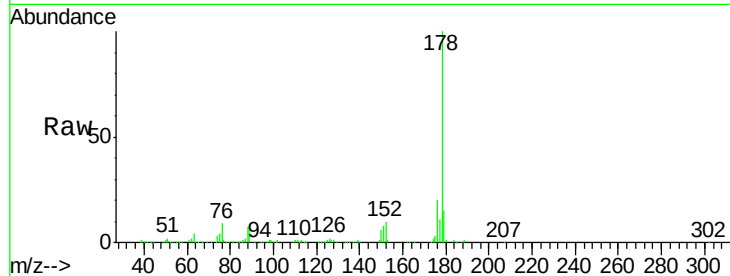
Tgt Ion:178 Resp: 338572

Ion Ratio Lower Upper

178 100

179 15.1 11.8 17.8

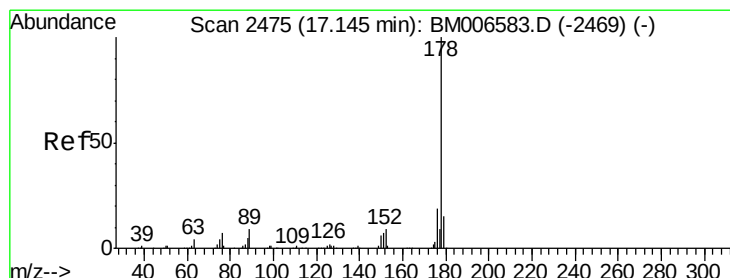
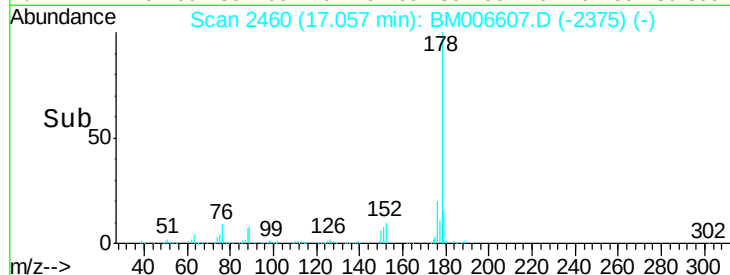
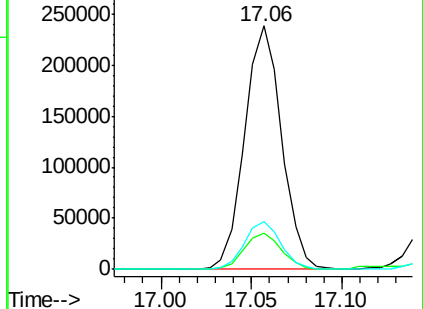
176 19.7 14.8 22.2



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: 1.19 ng/ul

RT: 17.14 min Scan# 2475

Delta R.T. 0.00 min

Lab File: BM006607.D

Acq: 22 Jul 2016 03:42

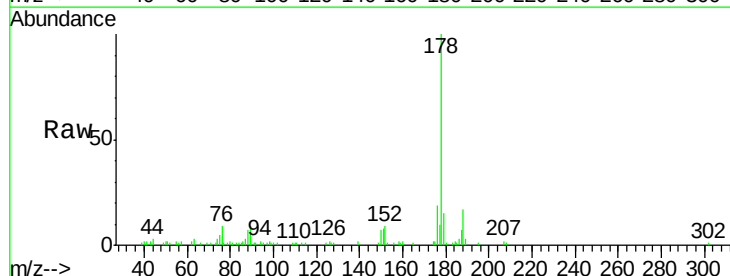
Tgt Ion:178 Resp: 62480

Ion Ratio Lower Upper

178 100

179 15.2 12.9 19.3

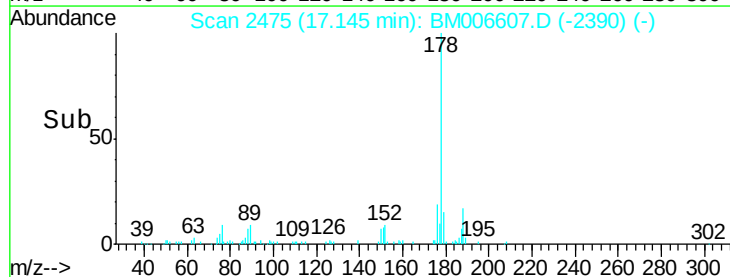
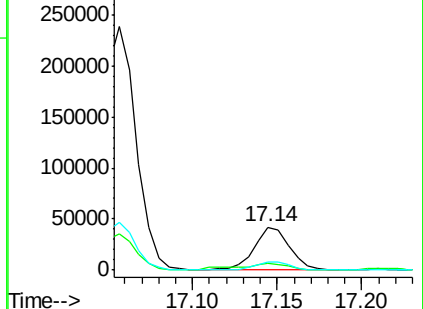
176 19.3 15.6 23.4

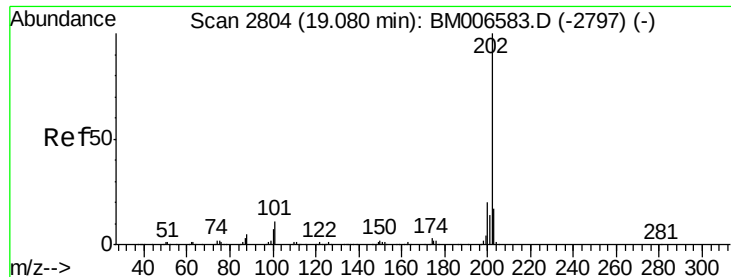


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 9.15 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006607.D

Acq: 22 Jul 2016 03:42

Instrument :

BNA_M

ClientSampleId :

D9YS8

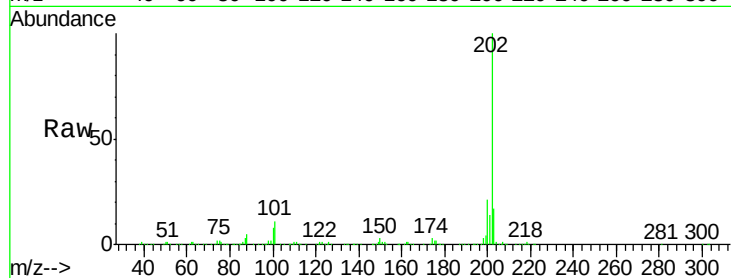
Tgt Ion:202 Resp: 549428

Ion Ratio Lower Upper

202 100

101 10.9 8.9 13.3

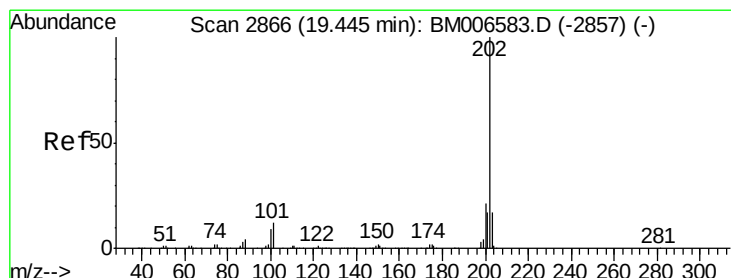
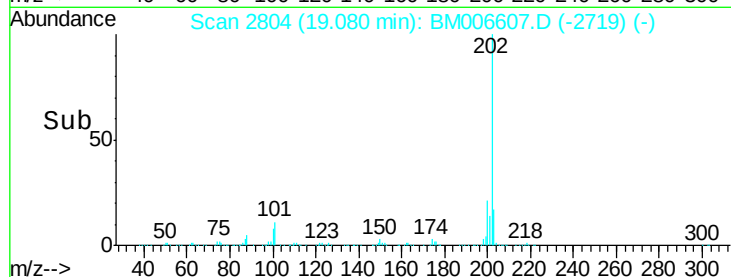
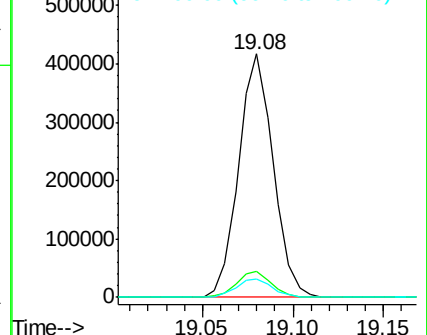
100 7.8 7.0 10.4



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: 7.08 ng/ul

RT: 19.44 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BM006607.D

Acq: 22 Jul 2016 03:42

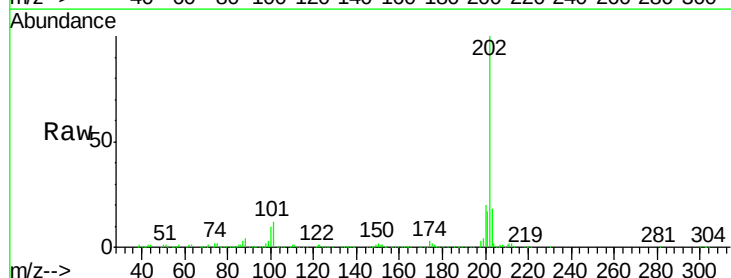
Tgt Ion:202 Resp: 462644

Ion Ratio Lower Upper

202 100

101 11.6 9.8 14.8

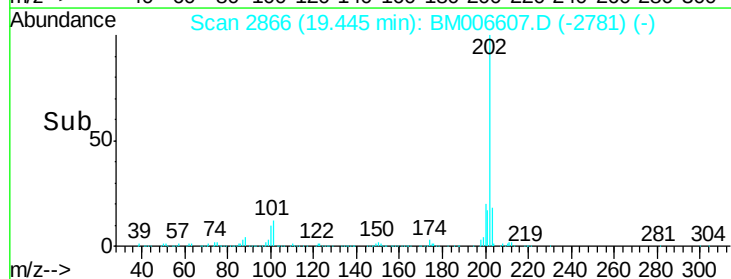
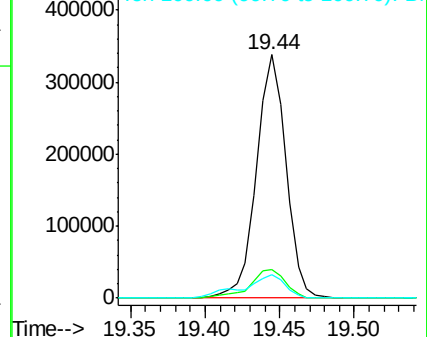
100 9.7 9.3 13.9

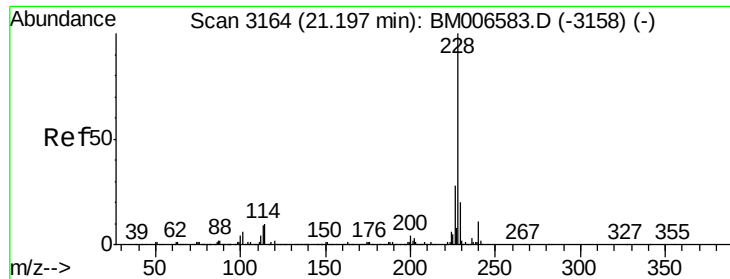


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 4.07 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006607.D

Acq: 22 Jul 2016 03:42

Instrument :

BNA_M

ClientSampleId :

D9YS8

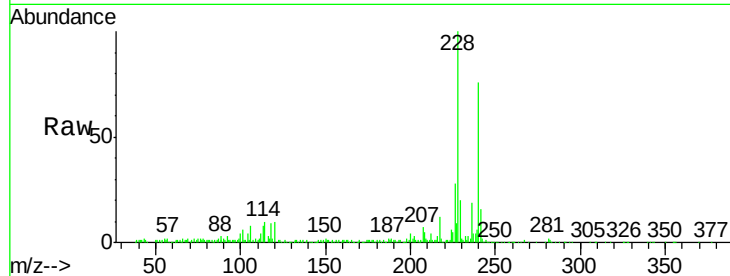
Tgt Ion:228 Resp: 265894

Ion Ratio Lower Upper

228 100

229 20.2 16.6 25.0

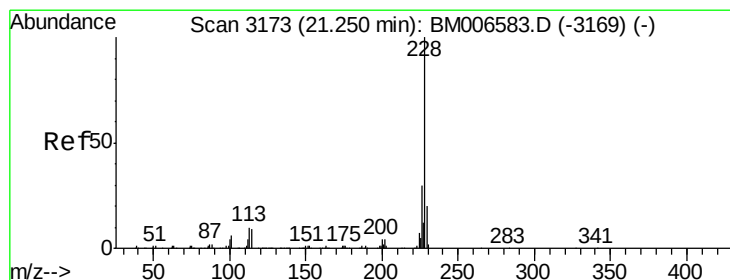
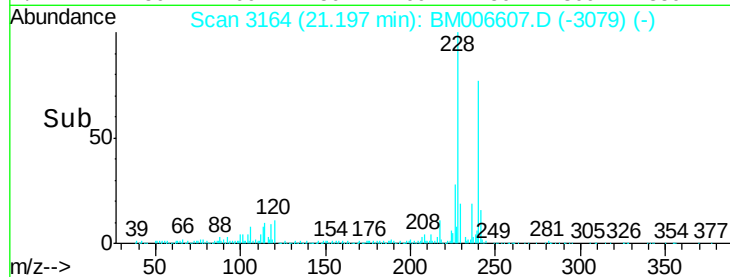
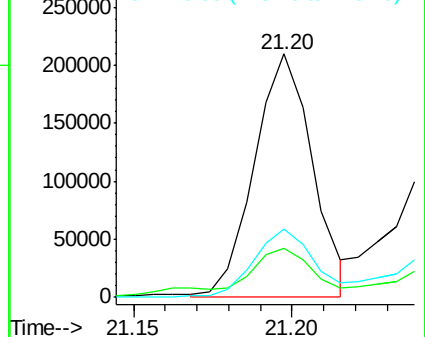
226 28.0 21.0 31.4



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: 4.65 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BM006607.D

Acq: 22 Jul 2016 03:42

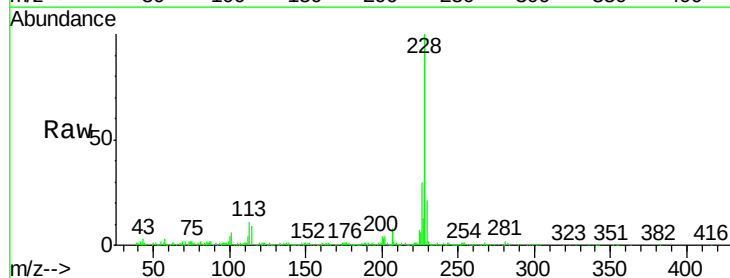
Tgt Ion:228 Resp: 280102

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

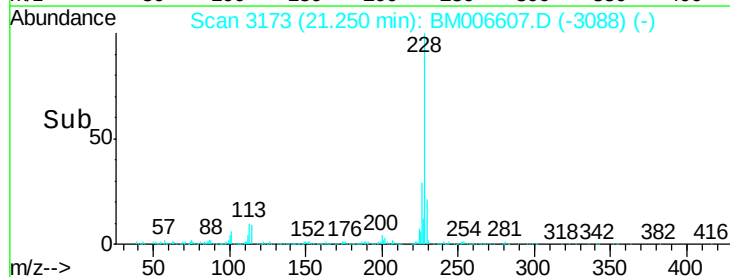
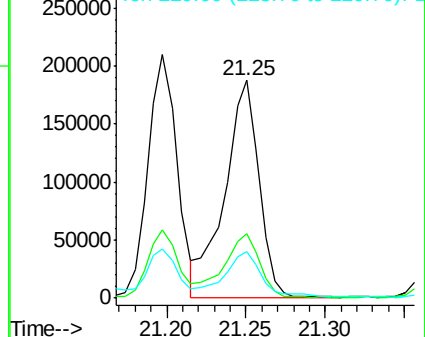
229 21.4 16.2 24.2

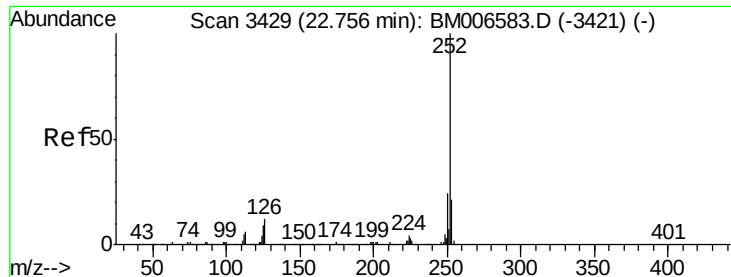


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 6.70 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. 0.00 min

Lab File: BM006607.D

Acq: 22 Jul 2016 03:42

Instrument :

BNA_M

ClientSampled :

D9YS8

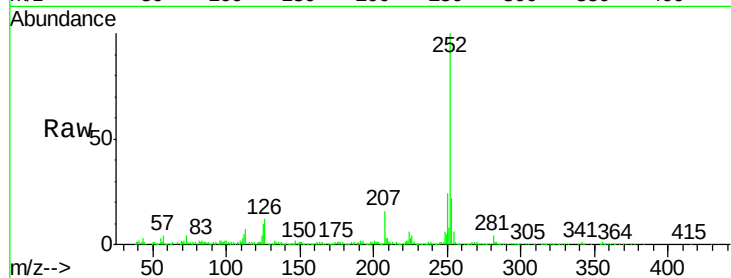
Tgt Ion:252 Resp: 459329

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

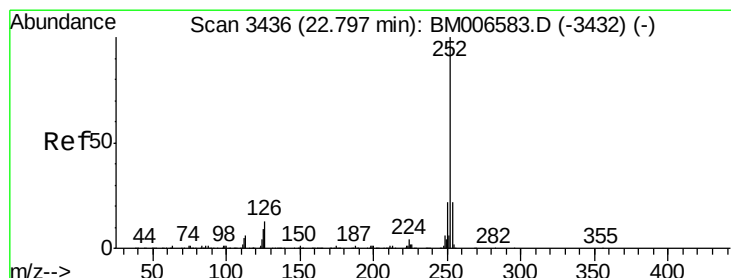
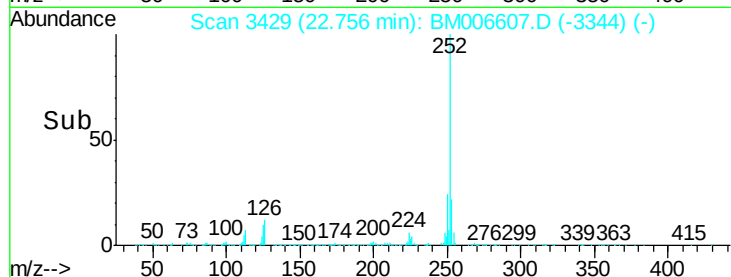
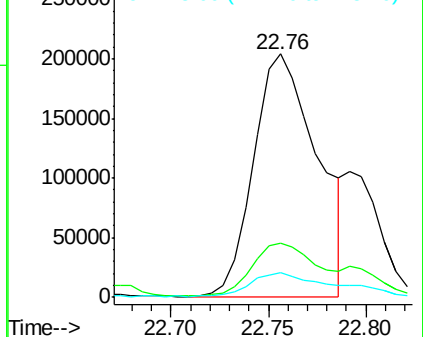
125 10.1 7.6 11.4



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: 6.93 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. -0.04 min

Lab File: BM006607.D

Acq: 22 Jul 2016 03:42

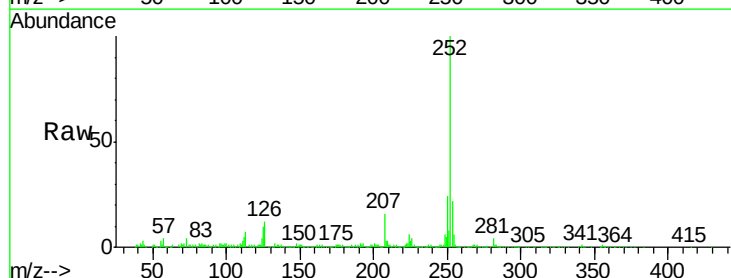
Tgt Ion:252 Resp: 459329

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

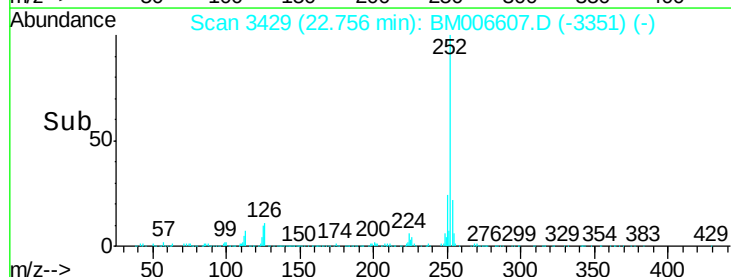
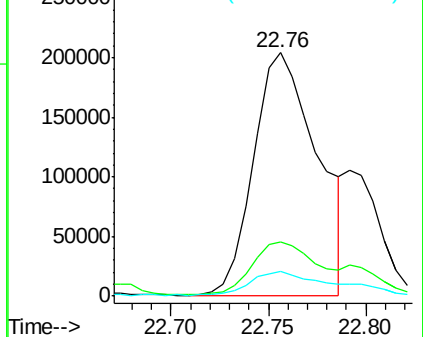
125 10.1 7.7 11.5

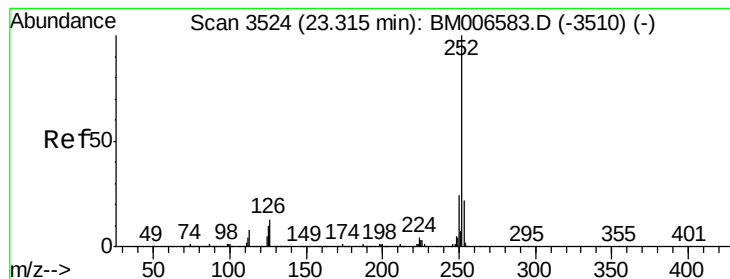


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 4.50 ng/ul

RT: 23.31 min Scan# 3524

Delta R.T. 0.00 min

Lab File: BM006607.D

Acq: 22 Jul 2016 03:42

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D9YS8

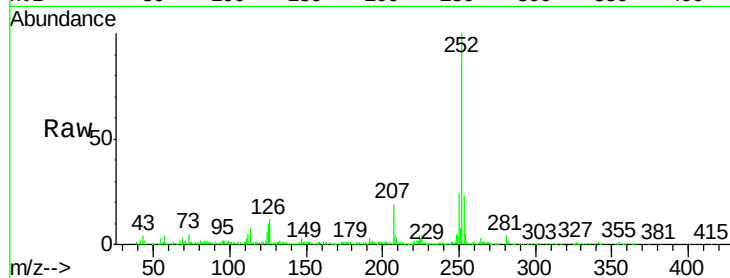
Tgt Ion:252 Resp: 300584

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

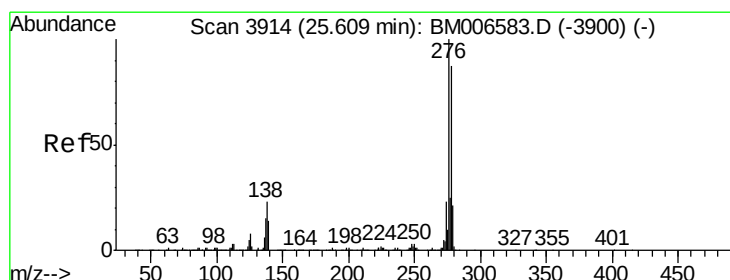
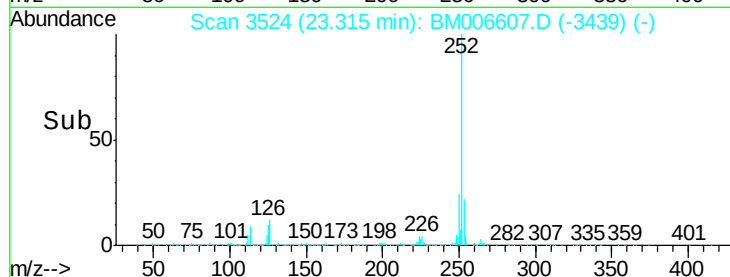
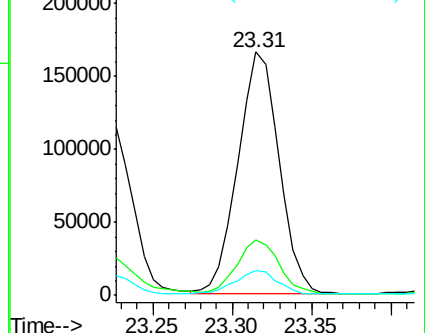
125 10.1 8.2 12.2



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: 3.17 ng/ul

RT: 25.60 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BM006607.D

Acq: 22 Jul 2016 03:42

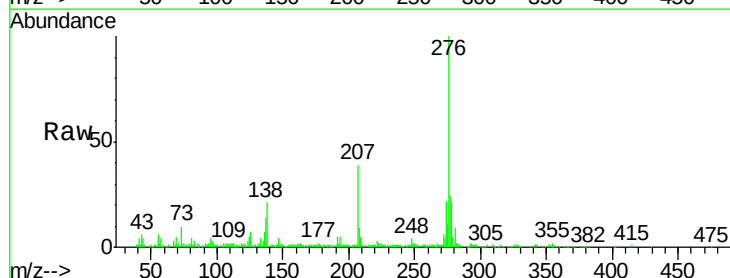
Tgt Ion:276 Resp: 244941

Ion Ratio Lower Upper

276 100

138 21.1 15.8 23.6

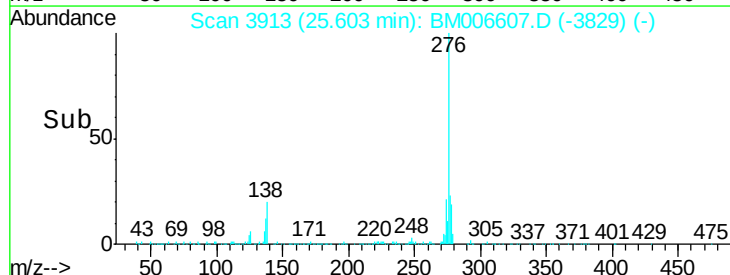
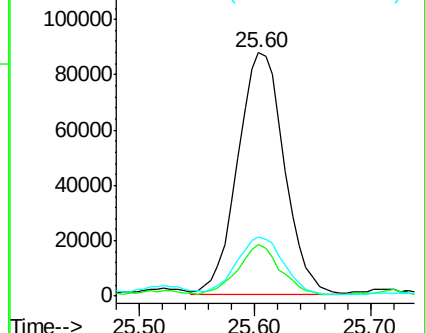
277 24.4 19.0 28.6

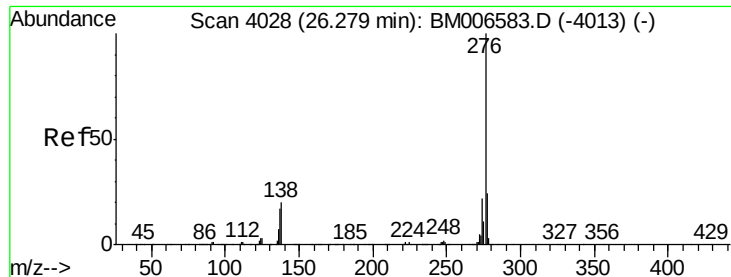


Abundance Ion 276.00 (275.70 to 276.70): E

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: 3.39 ng/ul

RT: 26.29 min Scan# 4029

Delta R.T. 0.01 min

Lab File: BM006607.D

Acq: 22 Jul 2016 03:42

Instrument :

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ClientSampleId :

D9YS8

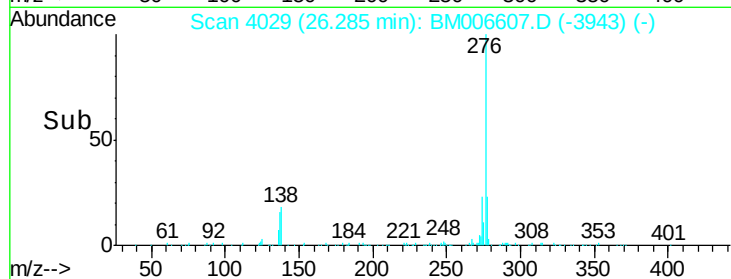
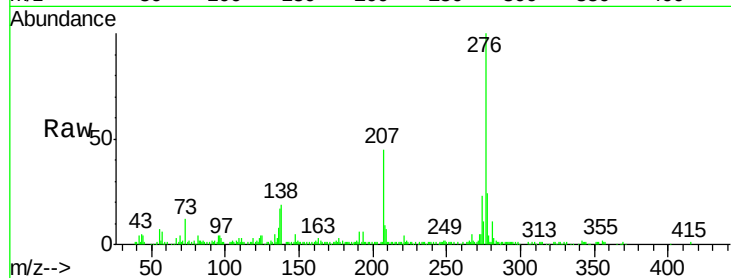
Tgt Ion: 276 Resp: 224769

Ion Ratio Lower Upper

276 100

138 18.9 13.9 20.9

277 24.2 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

