

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006055.D
 Acq On : 27 Jun 2016 00:35
 Operator : UM/SJ
 Sample : H3671-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y94

Quant Time: Jun 27 05:19:21 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 05:15:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	359358	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1711006	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	975892	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	2102682	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	1693342	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1427421	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	12516	1.56	ng/uL	0.00
3) Phenol-d5	6.83	99	639931	16.93	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	406190	19.31	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	511166	19.41	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	444081	13.92	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	271545	20.85	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	301814	20.82	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	531489	19.11	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	378067	12.53	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1601323	19.17	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	2059562	21.26	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	163607	9.18	ng/ul	0.00
21) Fluorene-d10	15.30	176	1393212	19.53	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	144086	12.34	ng/ul	0.00
26) Anthracene-d10	17.16	188	2040202	21.12	ng/ul	0.00
30) Pyrene-d10	19.46	212	2061070	27.79	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.33	264	1338313	20.77	ng/ul	0.00

Target Compounds

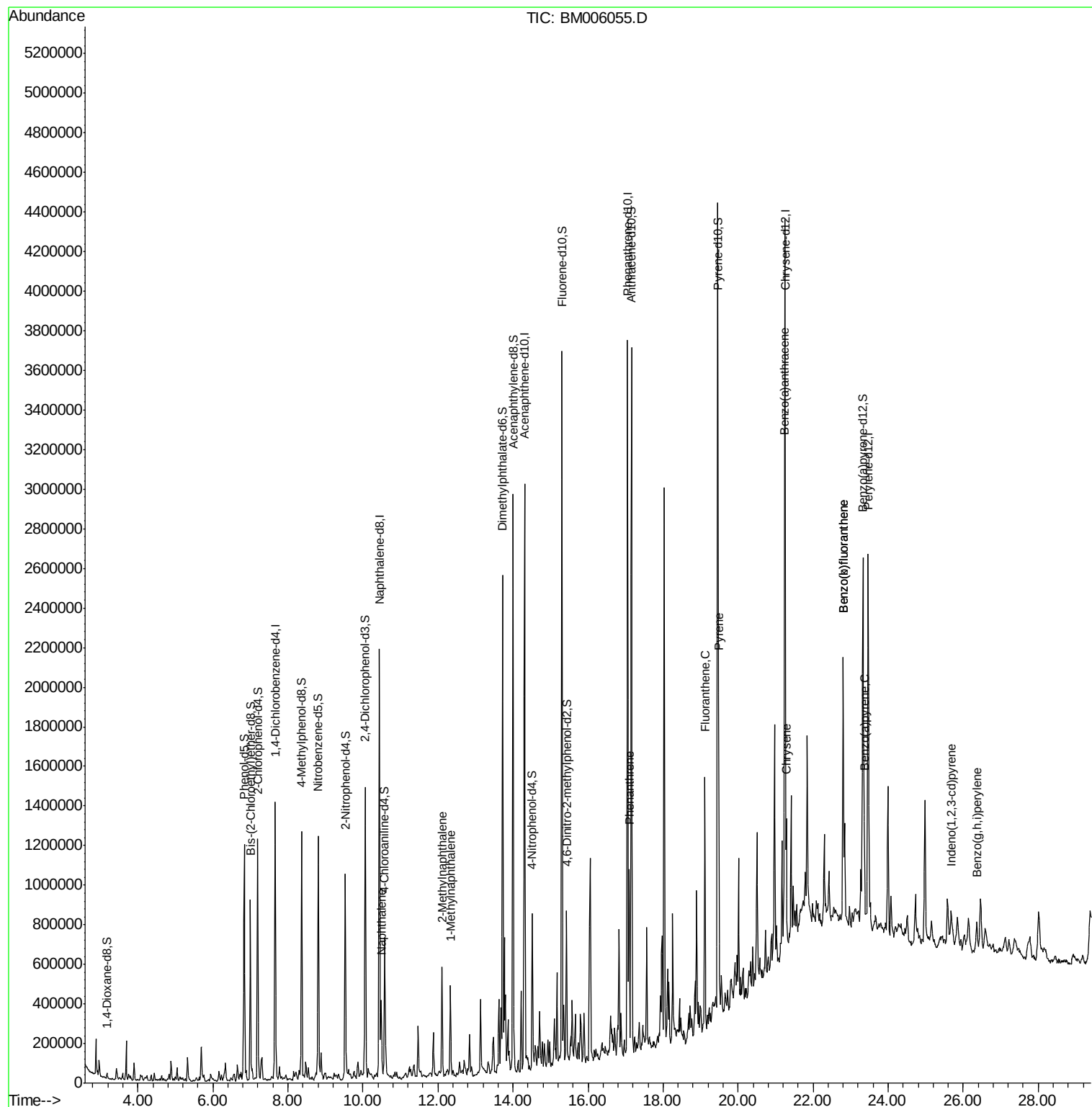
						Qvalue
11) Naphthalene	10.49	128	257097	3.01	ng/ul	98
13) 2-Methylnaphthalene	12.11	142	262118	3.81	ng/ul	98
14) 1-Methylnaphthalene	12.33	142	214254	3.25	ng/ul	98
25) Phenanthrene	17.10	178	543208	4.80	ng/ul	100
28) Fluoranthene	19.12	202	728898	5.03	ng/ul	99
31) Pyrene	19.49	202	610194	6.29	ng/ul	98
32) Benzo(a)anthracene	21.23	228	312819	3.11	ng/ul	96
33) Chrysene	21.29	228	373011	4.06	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	389993	4.70	ng/ul#	93
36) Benzo(k)fluoranthene	22.80	252	389993	5.06	ng/ul#	94
38) Benzo(a)pyrene	23.37	252	250355	3.15	ng/ul#	94
39) Indeno(1,2,3-cd)pyrene	25.68	276	191719	2.02	ng/ul	98
41) Benzo(g,h,i)perylene	26.36	276	179584	2.19	ng/ul	95

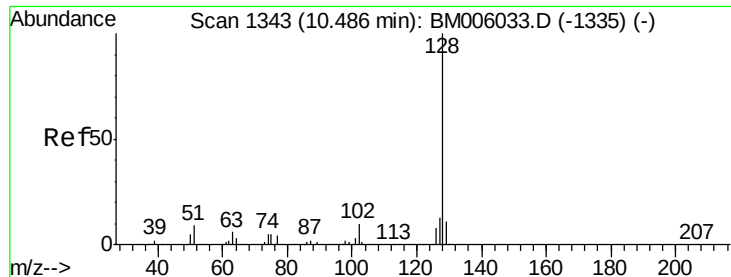
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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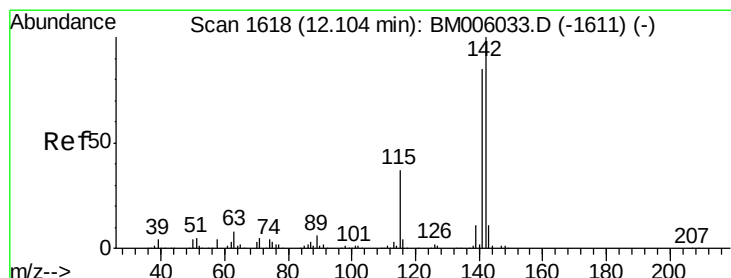
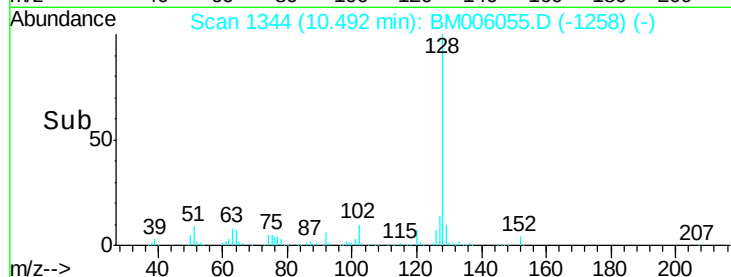
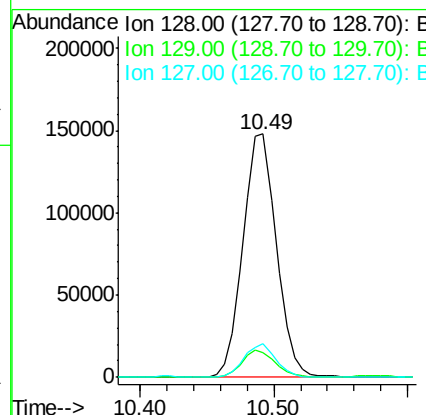
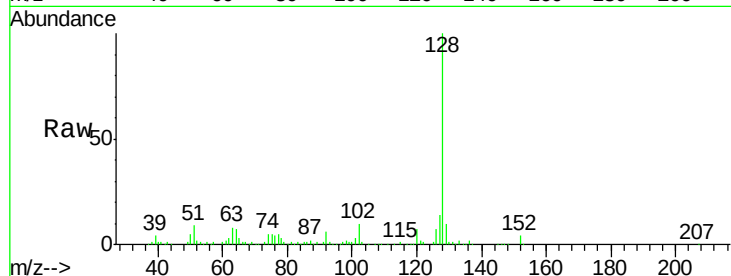




#11
Naphthalene
Concen: 3.01 ng/ul
RT: 10.49 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BM006055.D
Acq: 27 Jun 2016 00:35

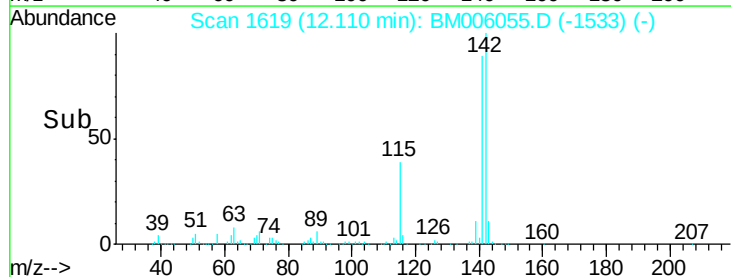
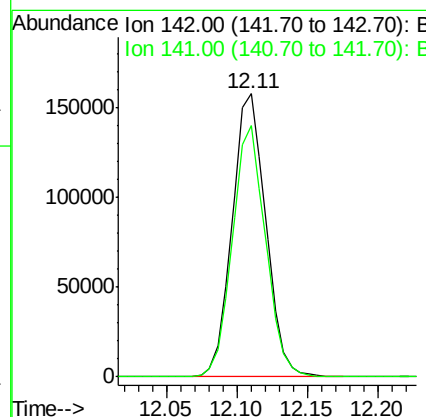
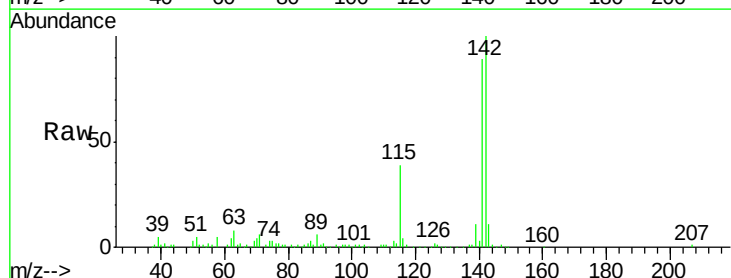
Instrument :
BNA_M
ClientSampleId :
D9Y94

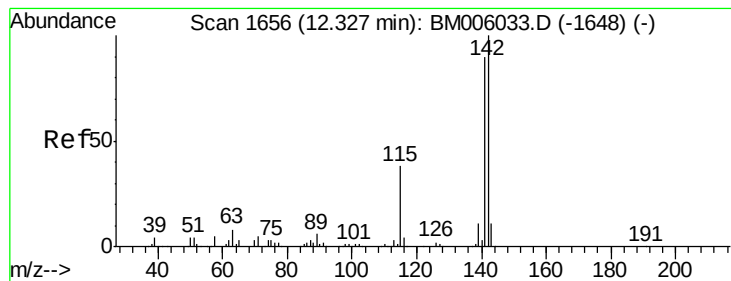
Tgt Ion:128 Resp: 257097
Ion Ratio Lower Upper
128 100
129 10.2 8.6 13.0
127 13.7 10.2 15.4



#13
2-Methylnaphthalene
Concen: 3.81 ng/ul
RT: 12.11 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BM006055.D
Acq: 27 Jun 2016 00:35

Tgt Ion:142 Resp: 262118
Ion Ratio Lower Upper
142 100
141 88.9 69.4 104.2





#14

1-Methylnaphthalene

Concen: 3.25 ng/ul

RT: 12.33 min Scan# 1657

Delta R.T. 0.01 min

Lab File: BM006055.D

Acq: 27 Jun 2016 00:35

Instrument :

BNA_M

ClientSampleId :

D9Y94

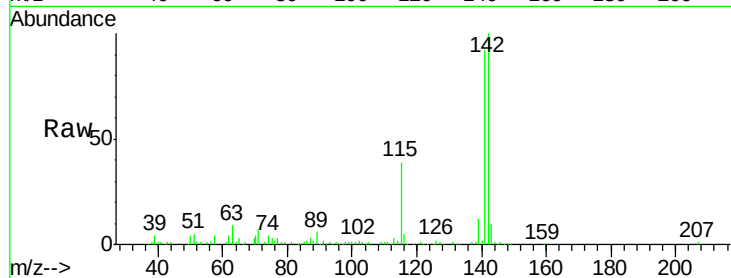
Tgt Ion:142 Resp: 214254

Ion Ratio Lower Upper

142 100

141 92.4 72.3 108.5

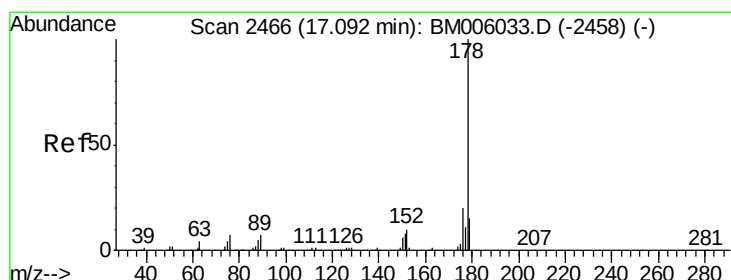
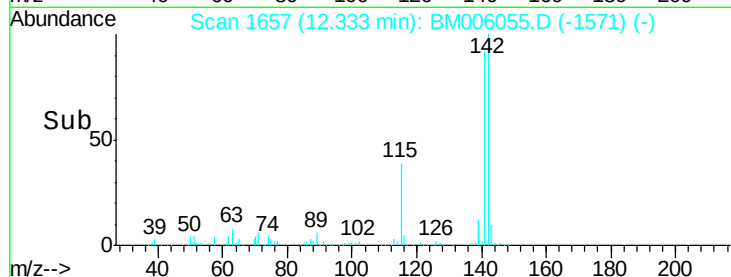
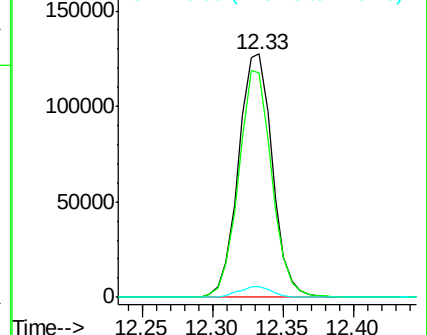
116 4.6 3.4 5.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#25

Phenanthrene

Concen: 4.80 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BM006055.D

Acq: 27 Jun 2016 00:35

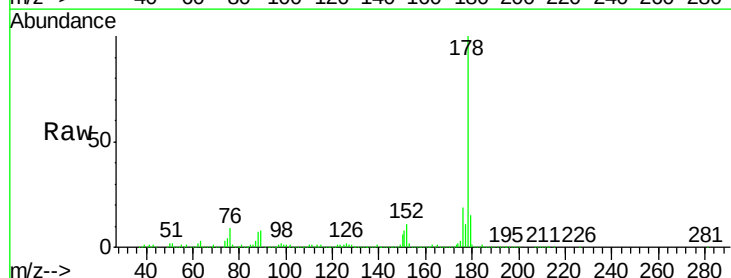
Tgt Ion:178 Resp: 543208

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

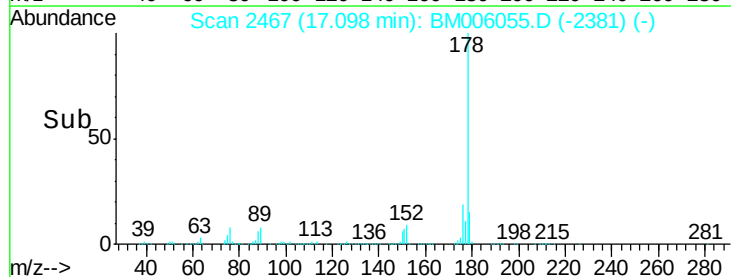
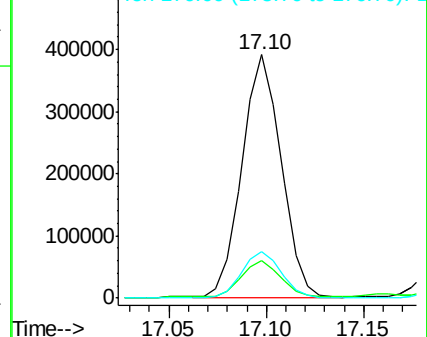
176 19.0 15.4 23.0

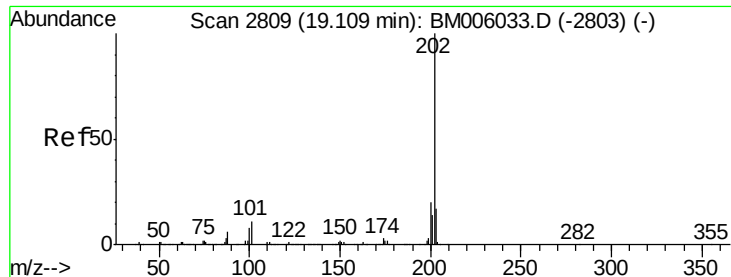


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

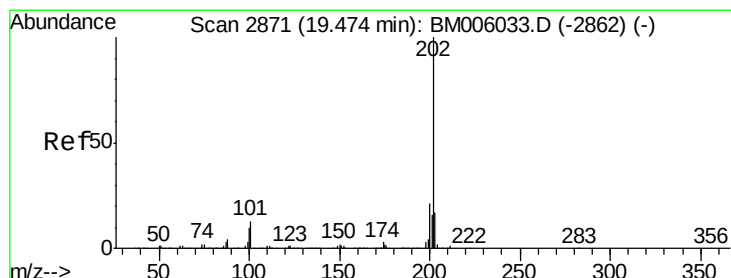
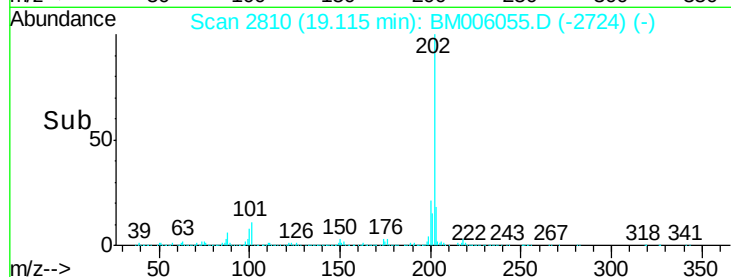
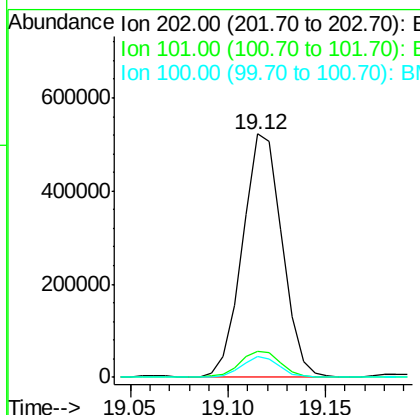
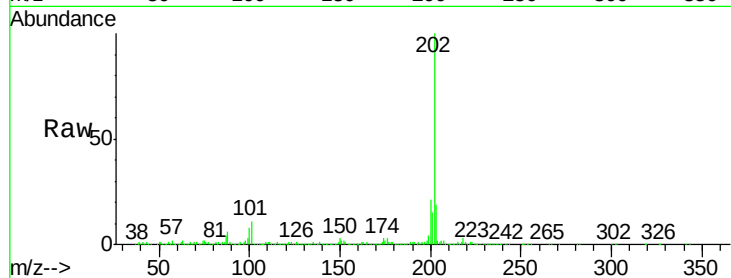




#28
Fluoranthene
Concen: 5.03 ng/ul
RT: 19.12 min Scan# 2810
Delta R.T. 0.01 min
Lab File: BM006055.D
Acq: 27 Jun 2016 00:35

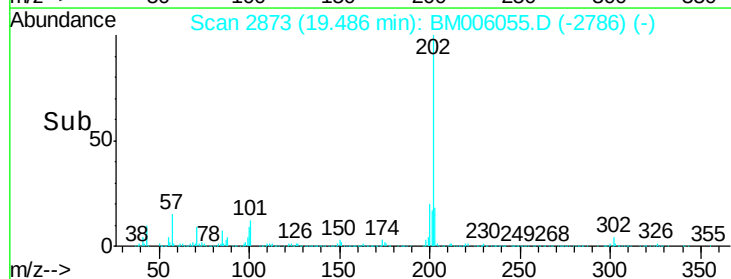
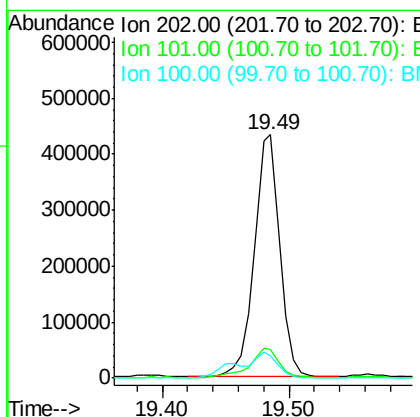
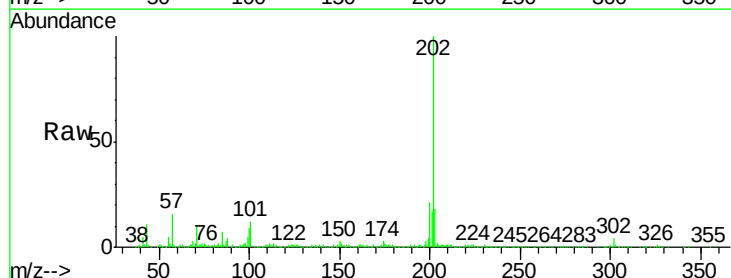
Instrument :
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ClientSampleId :
D9Y94

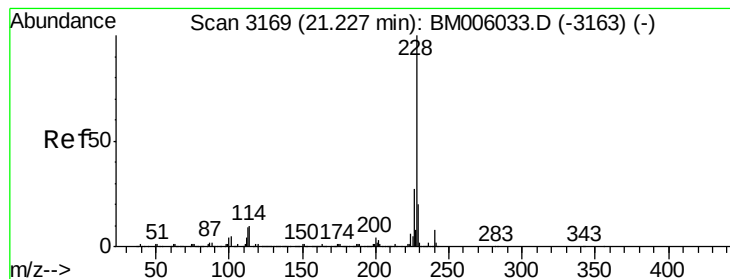
Tgt Ion:	202	Resp:	728898
Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.2	12.4
100	8.4	6.3	9.5



#31
Pyrene
Concen: 6.29 ng/ul
RT: 19.49 min Scan# 2873
Delta R.T. 0.01 min
Lab File: BM006055.D
Acq: 27 Jun 2016 00:35

Tgt Ion:	202	Resp:	610194
Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.8	14.6
100	9.1	8.2	12.2





#32

Benzo(a)anthracene

Concen: 3.11 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BM006055.D

Acq: 27 Jun 2016 00:35

Instrument :

BNA_M

ClientSampleId :

D9Y94

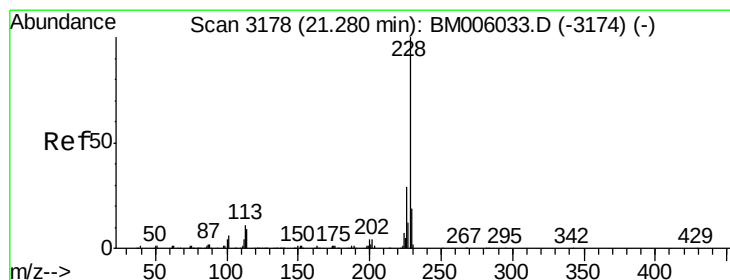
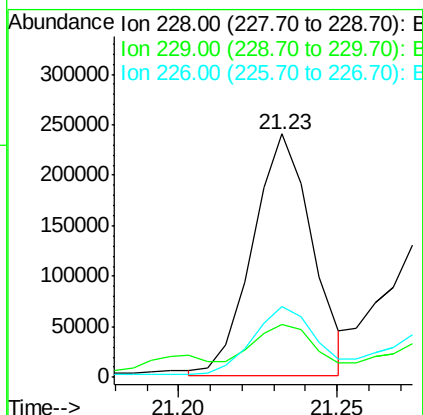
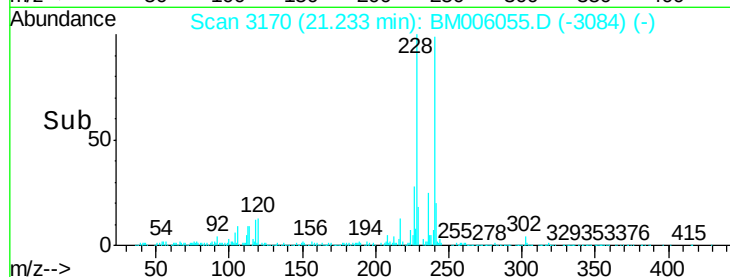
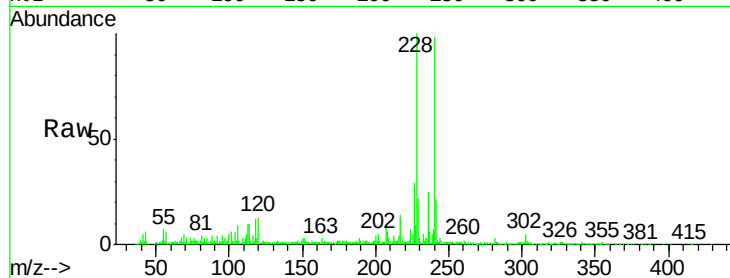
Tgt Ion:228 Resp: 312819

Ion Ratio Lower Upper

228 100

229 22.0 15.8 23.6

226 28.9 21.5 32.3



#33

Chrysene

Concen: 4.06 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. 0.01 min

Lab File: BM006055.D

Acq: 27 Jun 2016 00:35

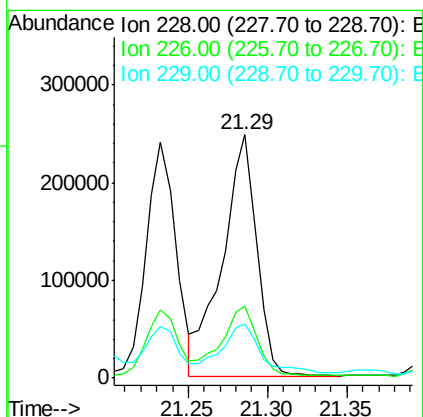
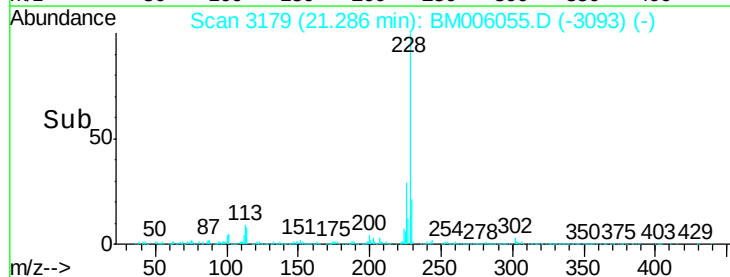
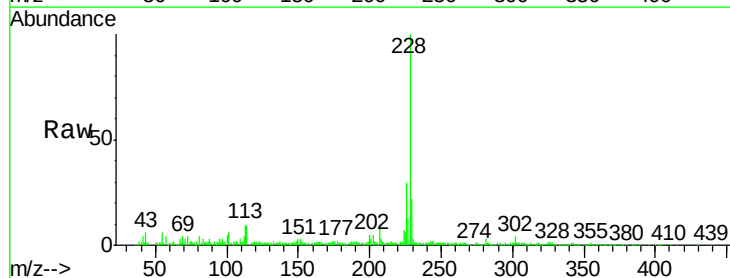
Tgt Ion:228 Resp: 373011

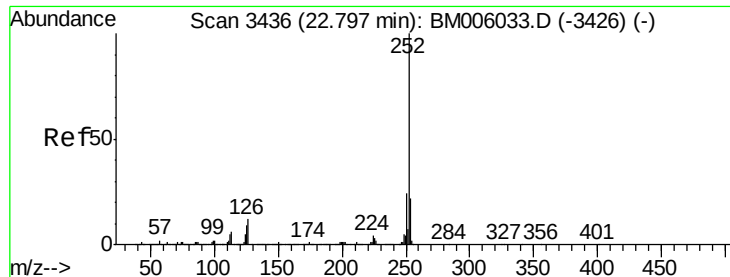
Ion Ratio Lower Upper

228 100

226 29.6 24.3 36.5

229 22.2 15.4 23.2





#35

Benzo(b)fluoranthene

Concen: 4.70 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. 0.01 min

Lab File: BM006055.D

Acq: 27 Jun 2016 00:35

Instrument :

BNA_M

ClientSampleId :

D9Y94

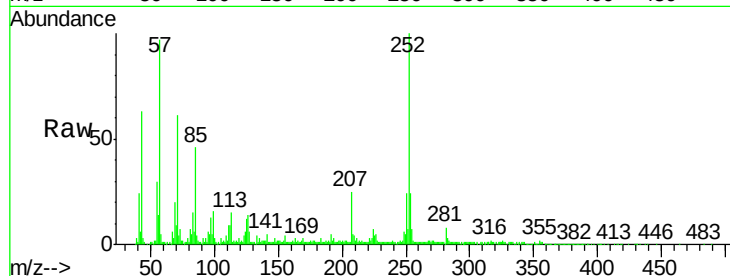
Tgt Ion:252 Resp: 389993

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

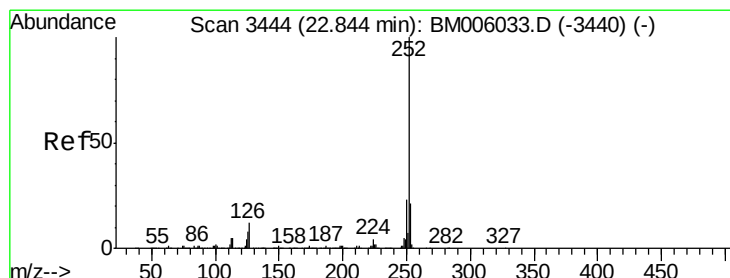
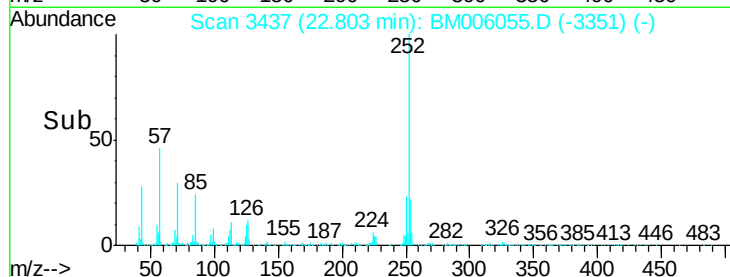
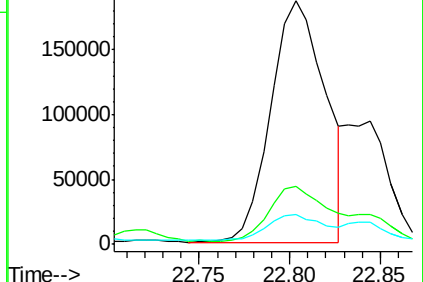
125 12.4 6.8 10.2#



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



#36

Benzo(k)fluoranthene

Concen: 5.06 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. -0.04 min

Lab File: BM006055.D

Acq: 27 Jun 2016 00:35

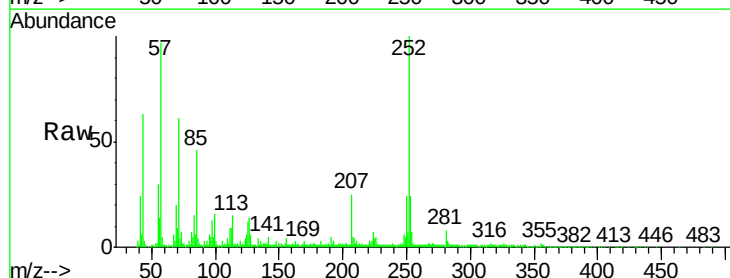
Tgt Ion:252 Resp: 389993

Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

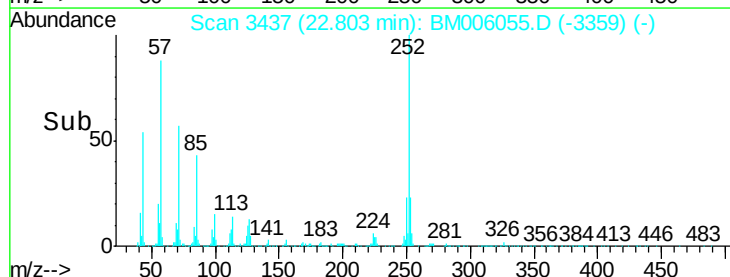
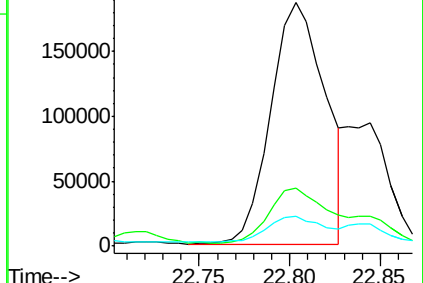
125 12.4 7.0 10.4#

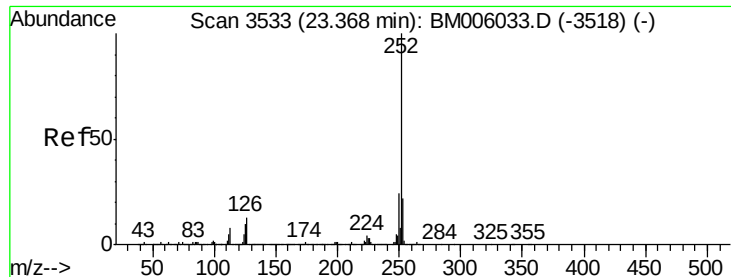


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 3.15 ng/ul

RT: 23.37 min Scan# 3533

Delta R.T. -0.00 min

Lab File: BM006055.D

Acq: 27 Jun 2016 00:35

Instrument :

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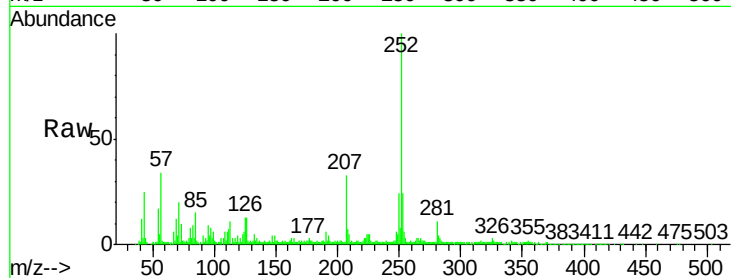
Tgt Ion:252 Resp: 250355

Ion Ratio Lower Upper

252 100

253 24.3 17.6 26.4

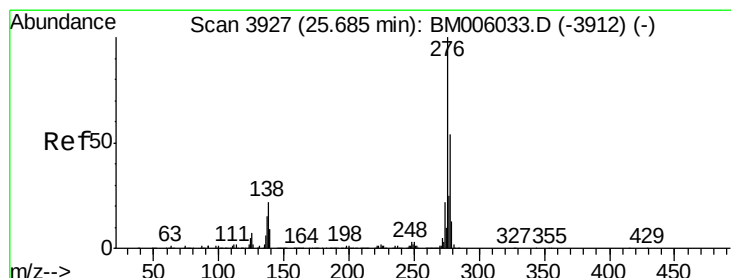
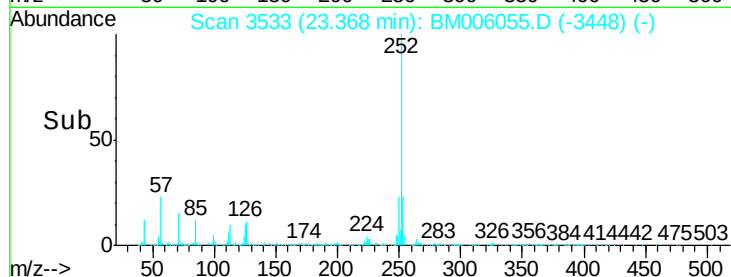
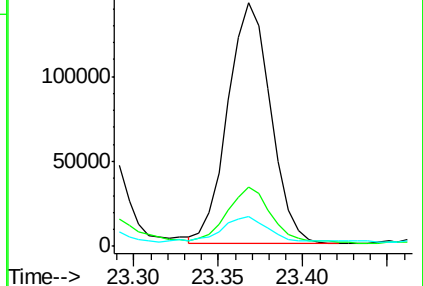
125 12.5 7.8 11.6#



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: 2.02 ng/ul

RT: 25.68 min Scan# 3926

Delta R.T. -0.01 min

Lab File: BM006055.D

Acq: 27 Jun 2016 00:35

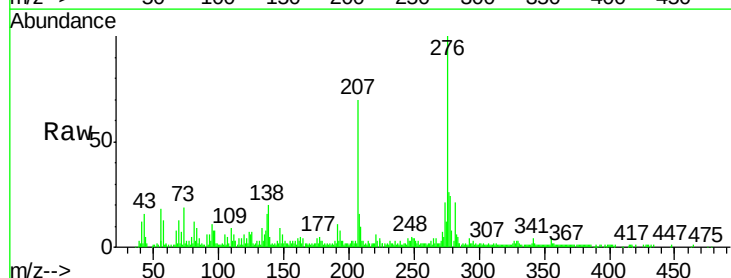
Tgt Ion:276 Resp: 191719

Ion Ratio Lower Upper

276 100

138 20.0 16.6 25.0

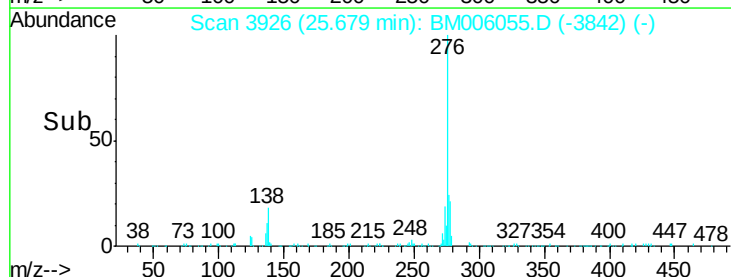
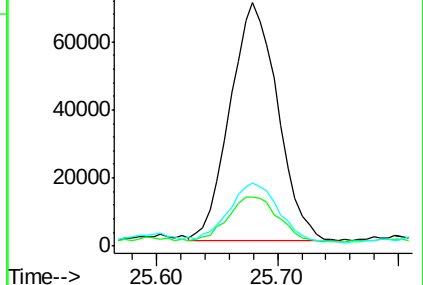
277 25.8 19.6 29.4

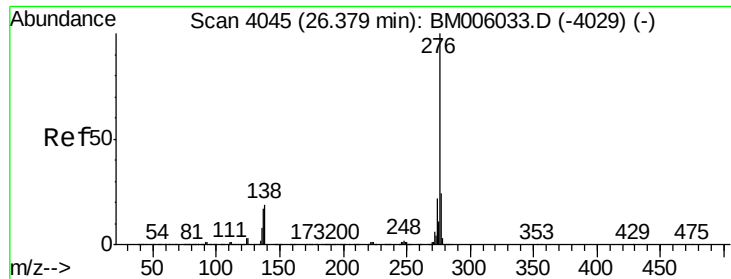


Abundance Ion 276.00 (275.70 to 276.70): E

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: 2.19 ng/ul

RT: 26.36 min Scan# 4042

Delta R.T. -0.02 min

Lab File: BM006055.D

Acq: 27 Jun 2016 00:35

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D9Y94

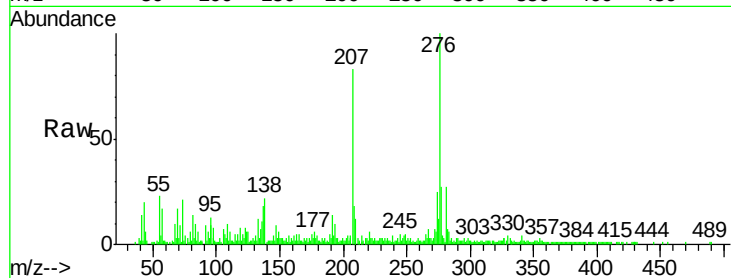
Tgt Ion:276 Resp: 179584

Ion Ratio Lower Upper

276 100

138 22.1 15.9 23.9

277 26.9 19.2 28.8



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

