

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
 Data File : BM005679.D
 Acq On : 06 Jun 2016 20:51
 Operator : UM/SJ
 Sample : H3412-06MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XS5MSD

Quant Time: Jun 07 04:27:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 07 04:25:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	111119	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	459404	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	228865	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	461756	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	469823	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	489301	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.22	96	3707	1.40	ng/uL	0.00
3) Phenol-d5	6.94	99	106082	10.86	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	82434	13.87	ng/ul	0.00
5) 2-Chlorophenol-d4	7.29	132	100145	12.43	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	46733	6.05	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	49366	13.99	ng/ul	0.00
9) 2-Nitrophenol-d4	9.64	143	50945	13.50	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.18	165	80531	12.00	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	78662	9.87	ng/ul	0.00
16) Dimethylphthalate-d6	13.81	166	260805	14.82	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	332856	14.55	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	15476	6.14	ng/ul	0.00
21) Fluorene-d10	15.39	176	228063	15.09	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	13616	6.26	ng/ul	0.00
26) Anthracene-d10	17.24	188	320504	14.62	ng/ul	0.00
30) Pyrene-d10	19.54	212	343513	14.55	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	333136	14.79	ng/ul	0.00

Target Compounds

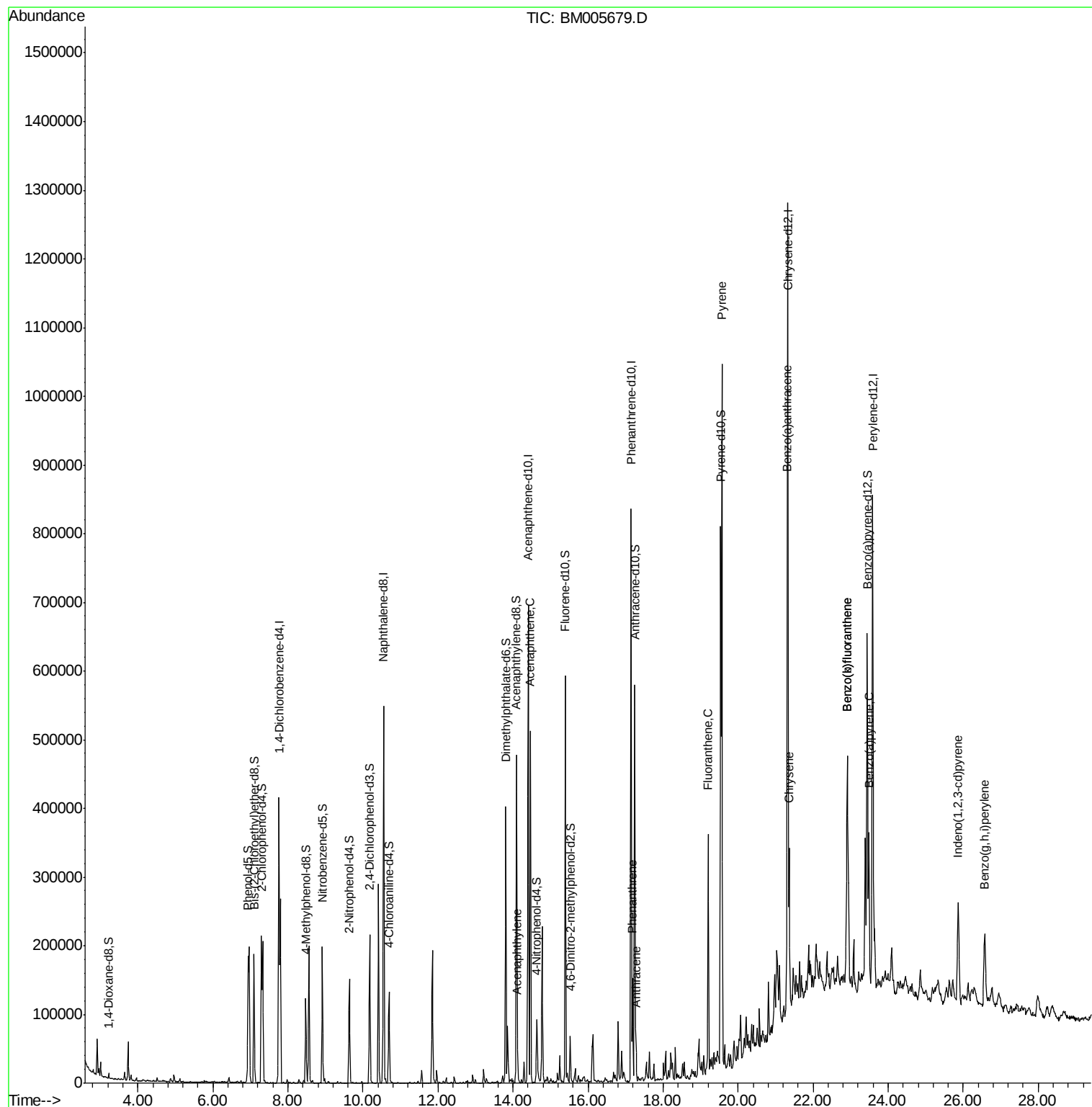
						Qvalue
18) Acenaphthylene	14.12	152	29770	1.26	ng/ul	97
19) Acenaphthene	14.46	153	209227	13.61	ng/ul	94
25) Phenanthrene	17.19	178	89258	3.50	ng/ul	98
27) Anthracene	17.28	178	28093	1.08	ng/ul	99
28) Fluoranthene	19.20	202	194412	7.46	ng/ul	99
31) Pyrene	19.57	202	580248	19.57	ng/ul	97
32) Benzo(a)anthracene	21.31	228	121739	4.42	ng/ul	96
33) Chrysene	21.36	228	144811	5.56	ng/ul	96
35) Benzo(b)fluoranthene	22.91	252	274738	9.31	ng/ul	99
36) Benzo(k)fluoranthene	22.91	252	274738	9.92	ng/ul	98
38) Benzo(a)pyrene	23.49	252	153373	5.40	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.87	276	130276	3.88	ng/ul	96
41) Benzo(g,h,i)perylene	26.57	276	124649	4.42	ng/ul#	93

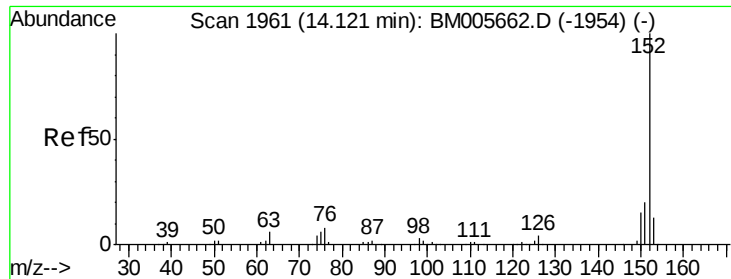
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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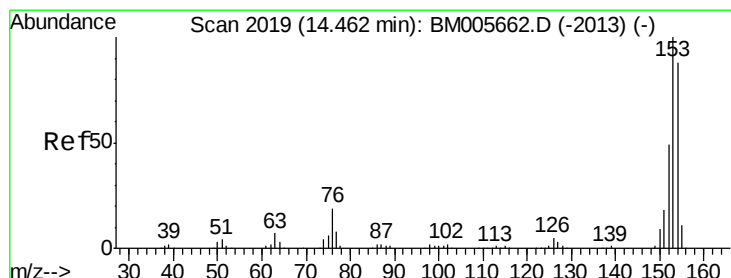
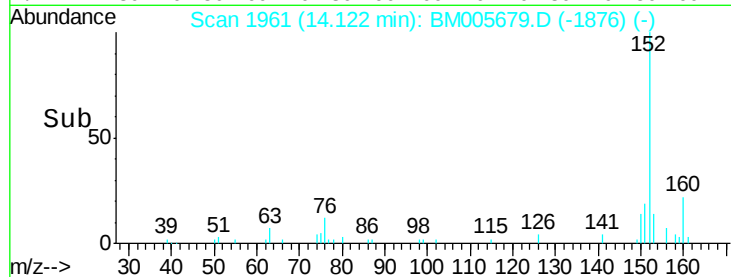
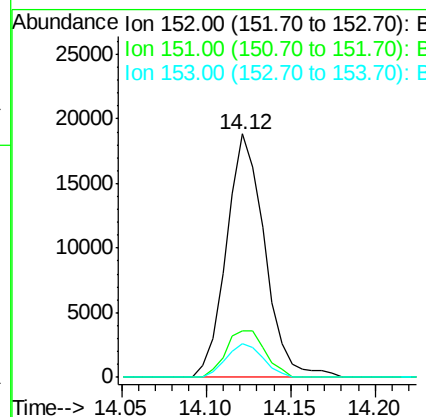
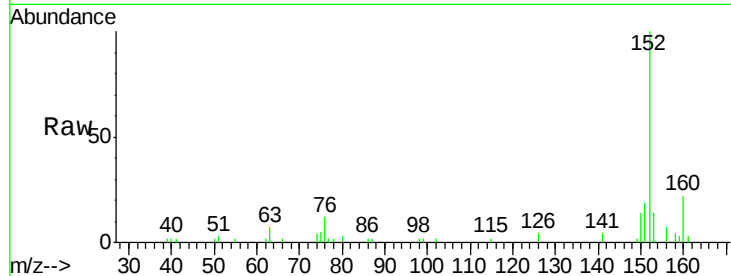




#18
Acenaphthylene
Concen: 1.26 ng/ul
RT: 14.12 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

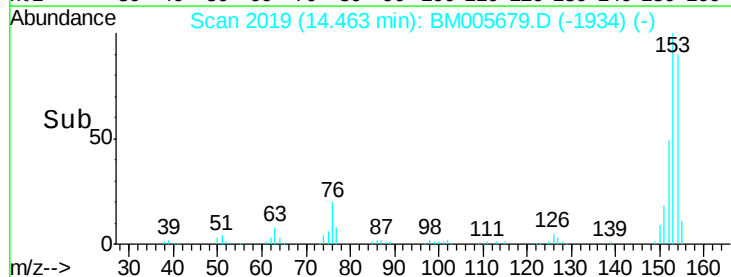
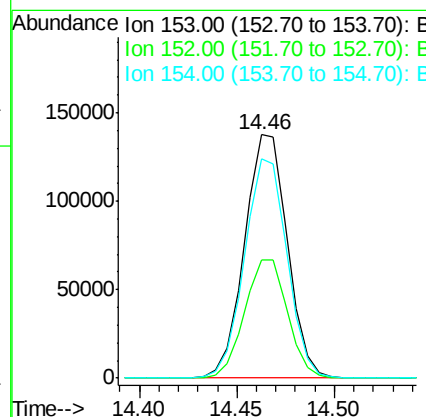
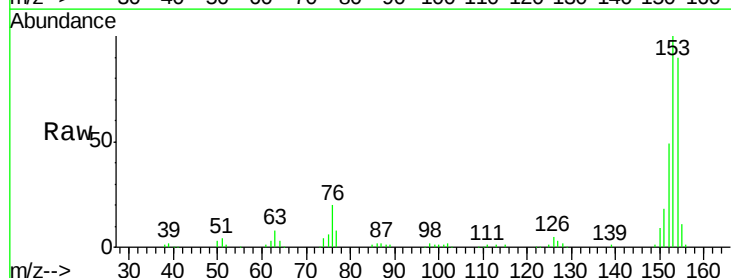
Instrument :
BNA_M
ClientSampleId :
D9XS5MSD

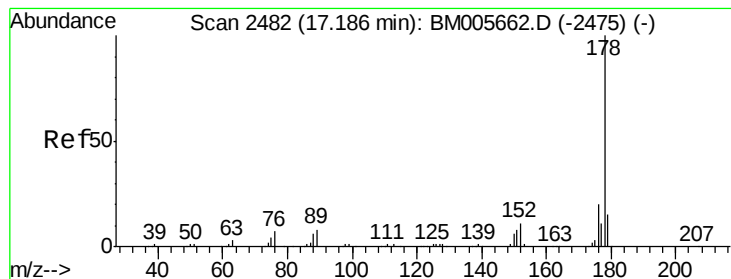
Tgt Ion:152 Resp: 29770
Ion Ratio Lower Upper
152 100
151 19.2 17.3 25.9
153 14.0 11.1 16.7



#19
Acenaphthene
Concen: 13.61 ng/ul
RT: 14.46 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM005679.D
Acq: 06 Jun 2016 20:51

Tgt Ion:153 Resp: 209227
Ion Ratio Lower Upper
153 100
152 48.7 36.5 54.7
154 90.1 67.3 100.9





#25

Phenanthrene

Concen: 3.50 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BM005679.D

Acq: 06 Jun 2016 20:51

Instrument :

BNA_M

ClientSampleId :

D9XS5MSD

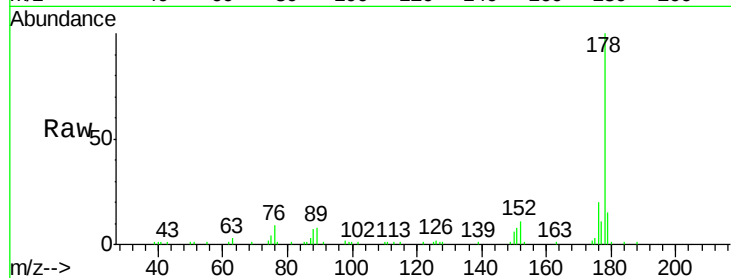
Tgt Ion:178 Resp: 89258

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

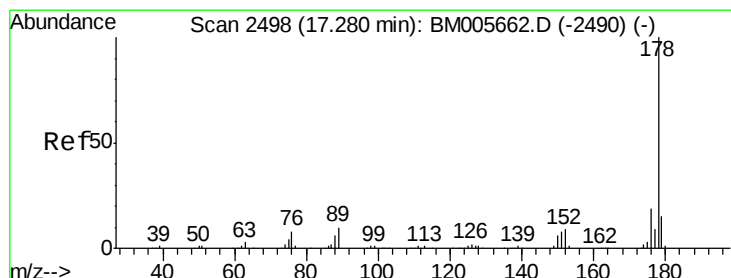
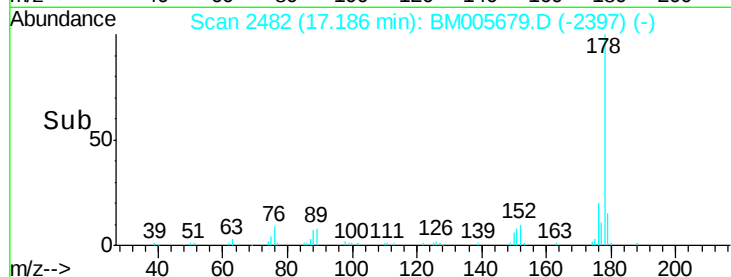
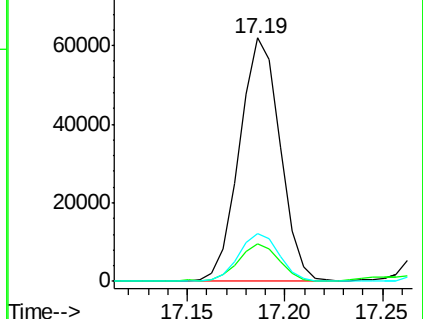
176 19.7 14.8 22.2



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: 1.08 ng/ul

RT: 17.28 min Scan# 2498

Delta R.T. 0.00 min

Lab File: BM005679.D

Acq: 06 Jun 2016 20:51

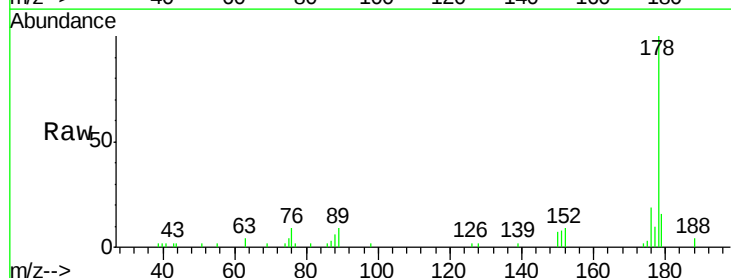
Tgt Ion:178 Resp: 28093

Ion Ratio Lower Upper

178 100

179 16.4 12.9 19.3

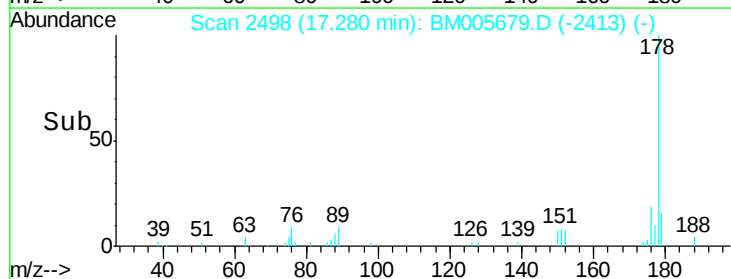
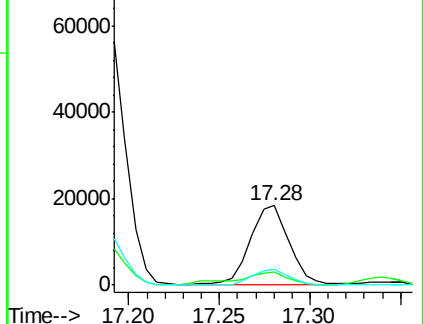
176 19.2 15.6 23.4

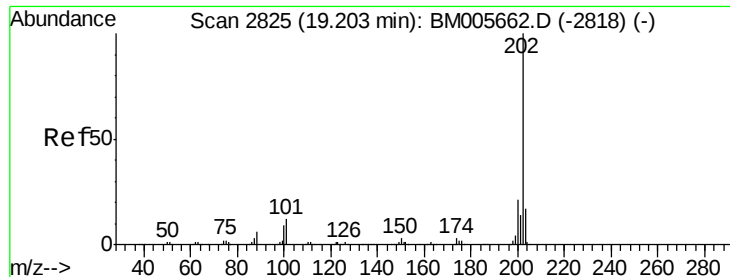


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 7.46 ng/ul

RT: 19.20 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM005679.D

Acq: 06 Jun 2016 20:51

Instrument :

BNA_M

ClientSampleId :

D9XS5MSD

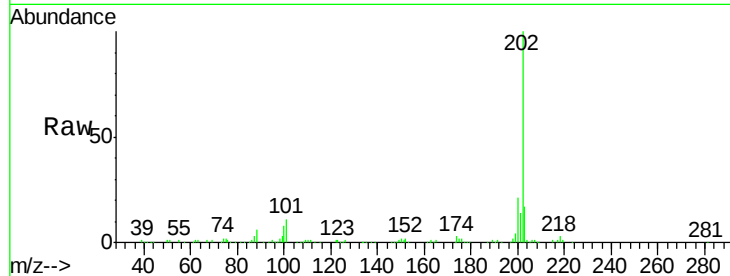
Tgt Ion:202 Resp: 194412

Ion Ratio Lower Upper

202 100

101 11.5 8.9 13.3

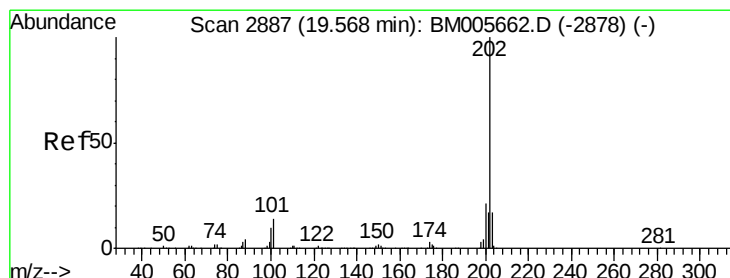
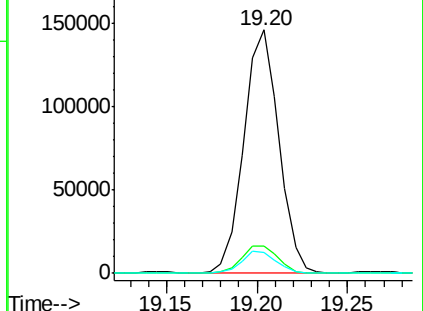
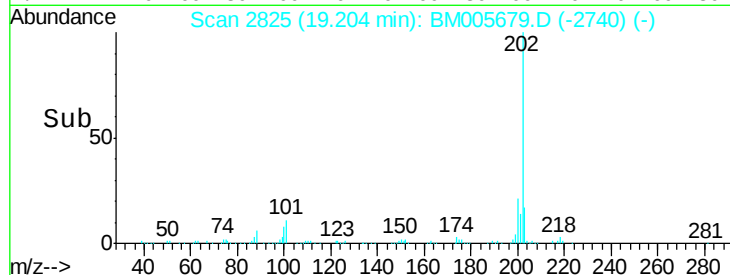
100 8.3 7.0 10.4



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: 19.57 ng/ul

RT: 19.57 min Scan# 2887

Delta R.T. 0.00 min

Lab File: BM005679.D

Acq: 06 Jun 2016 20:51

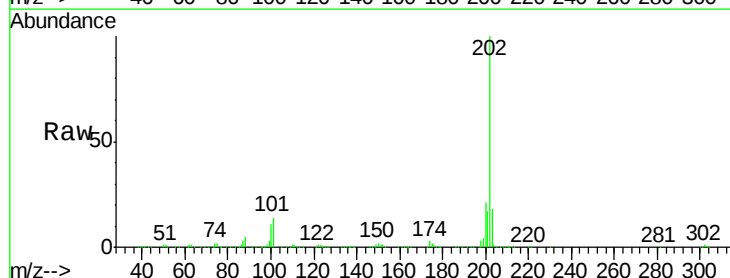
Tgt Ion:202 Resp: 580248

Ion Ratio Lower Upper

202 100

101 14.0 9.8 14.8

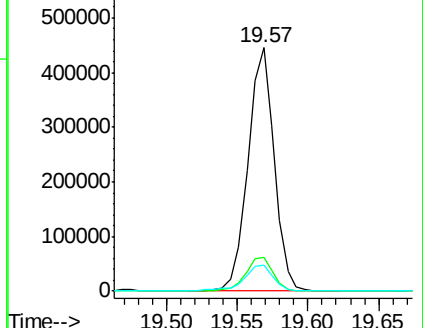
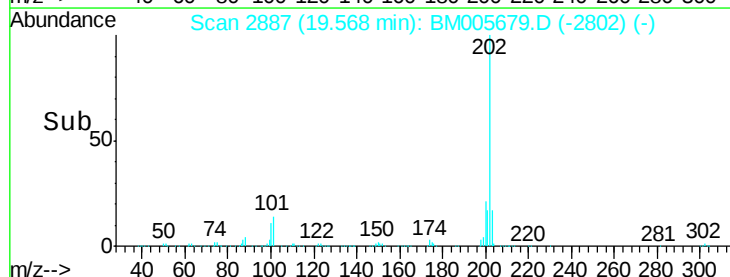
100 10.7 9.3 13.9

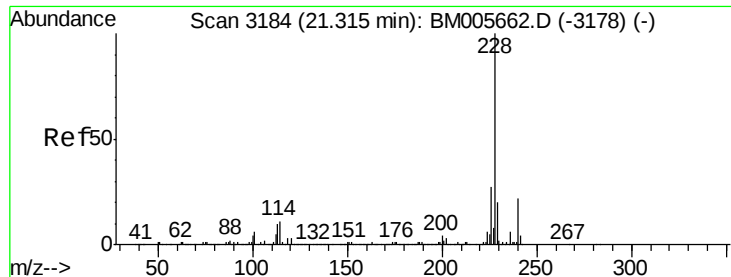


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 4.42 ng/ul

RT: 21.31 min Scan# 3183

Delta R.T. -0.01 min

Lab File: BM005679.D

Acq: 06 Jun 2016 20:51

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D9XS5MSD

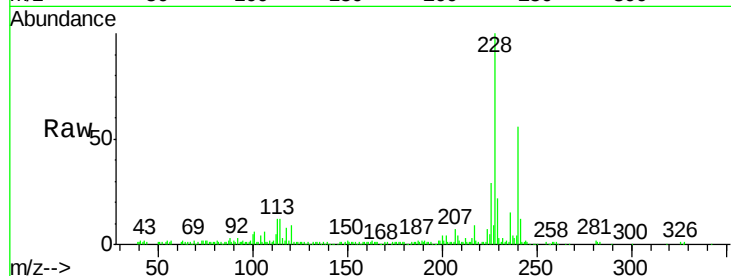
Tgt Ion:228 Resp: 121739

Ion Ratio Lower Upper

228 100

229 21.6 16.6 25.0

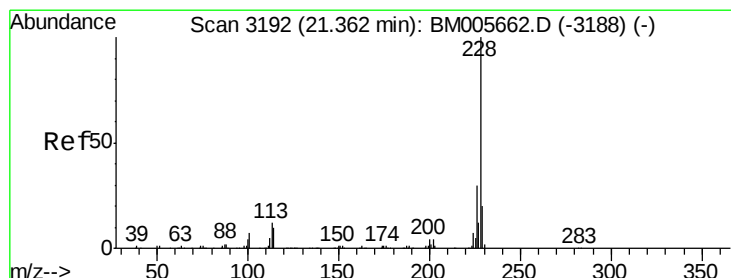
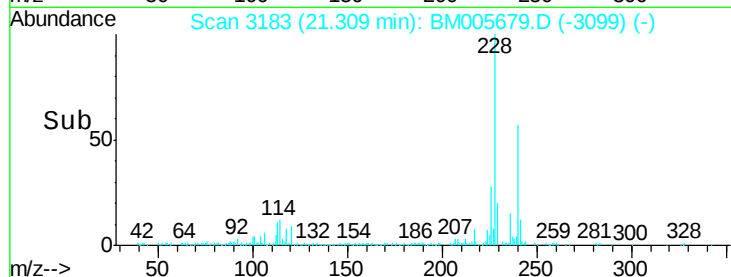
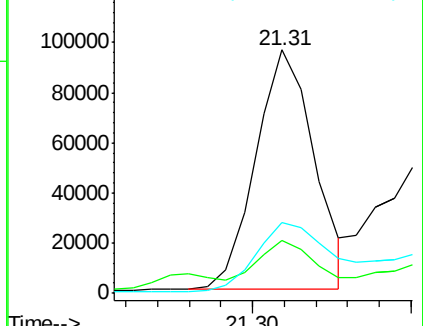
226 28.9 21.0 31.4



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: 5.56 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. 0.00 min

Lab File: BM005679.D

Acq: 06 Jun 2016 20:51

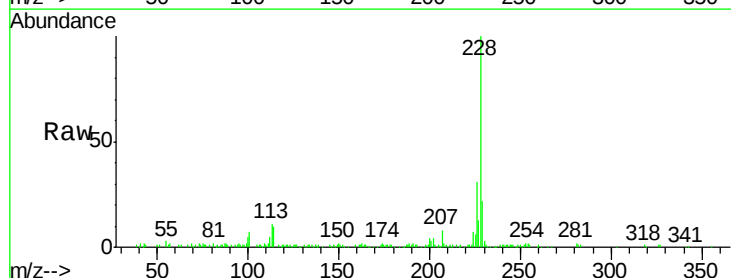
Tgt Ion:228 Resp: 144811

Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.2

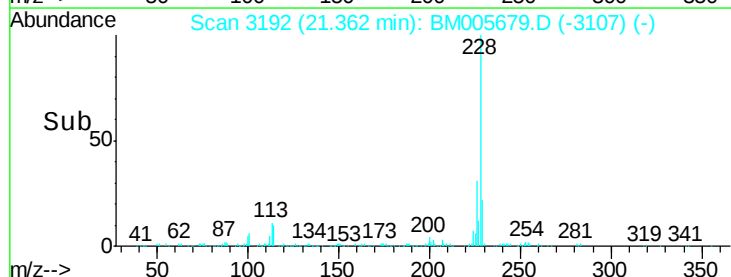
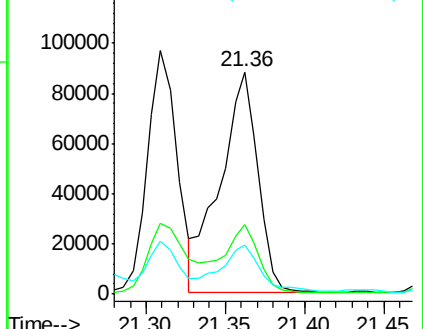
229 22.2 16.2 24.2

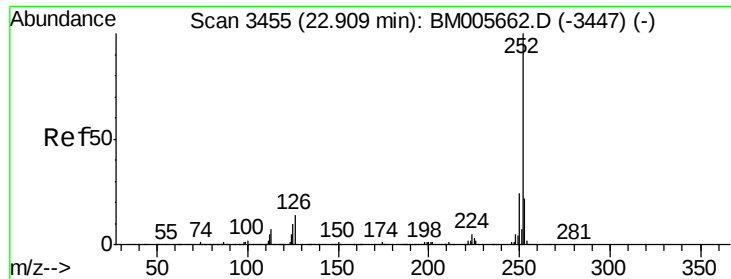


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 9.31 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. 0.00 min

Lab File: BM005679.D

Acq: 06 Jun 2016 20:51

Instrument :

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ClientSampleId :

D9XS5MSD

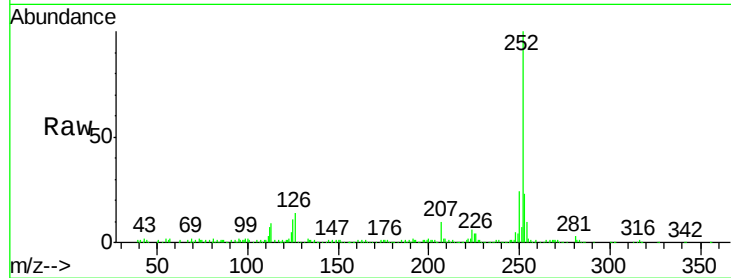
Tgt Ion:252 Resp: 274738

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

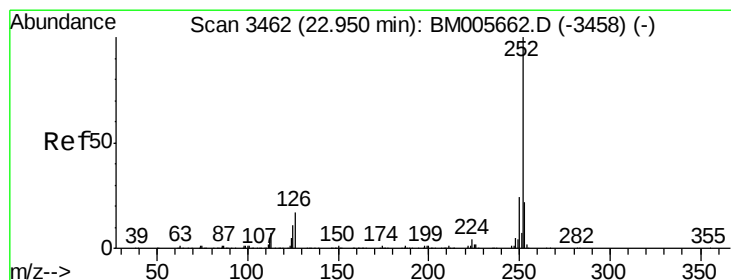
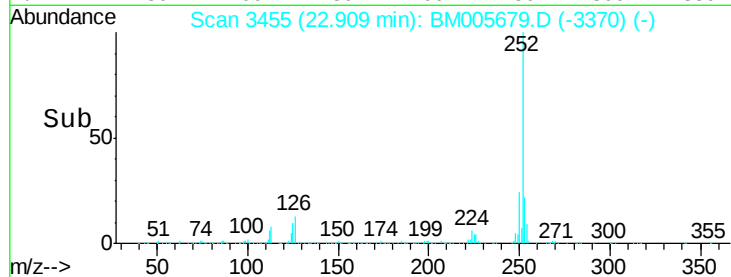
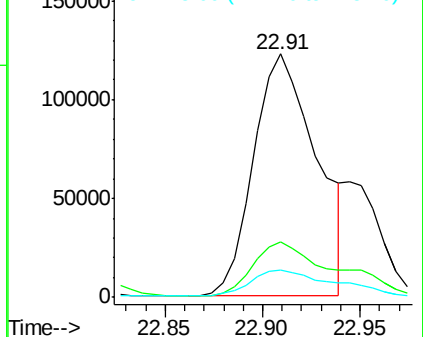
125 11.0 7.6 11.4



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: 9.92 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. -0.04 min

Lab File: BM005679.D

Acq: 06 Jun 2016 20:51

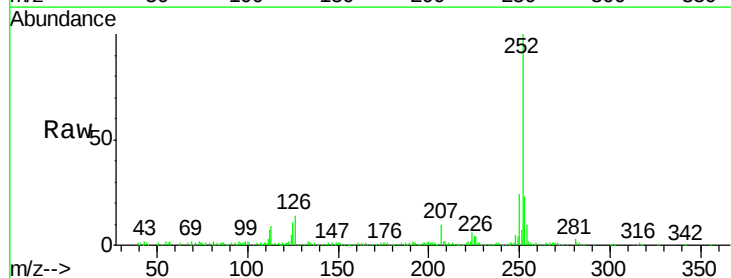
Tgt Ion:252 Resp: 274738

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

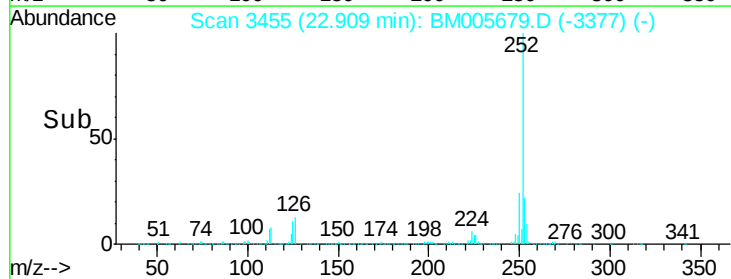
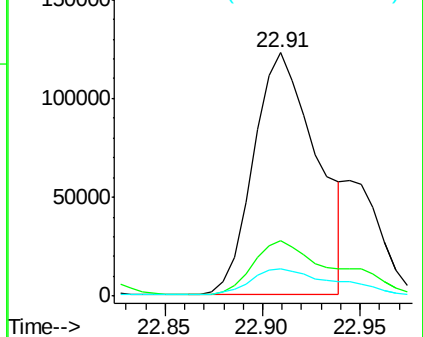
125 11.0 7.7 11.5

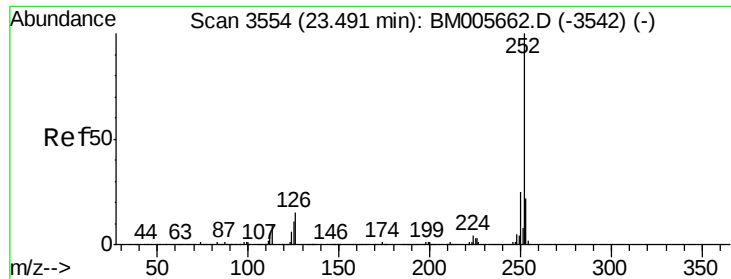


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 5.40 ng/ul

RT: 23.49 min Scan# 3554

Delta R.T. 0.00 min

Lab File: BM005679.D

Acq: 06 Jun 2016 20:51

Instrument :

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ClientSampled :

D9XS5MSD

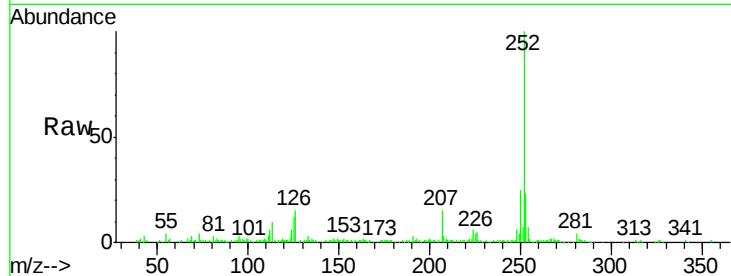
Tgt Ion:252 Resp: 153373

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

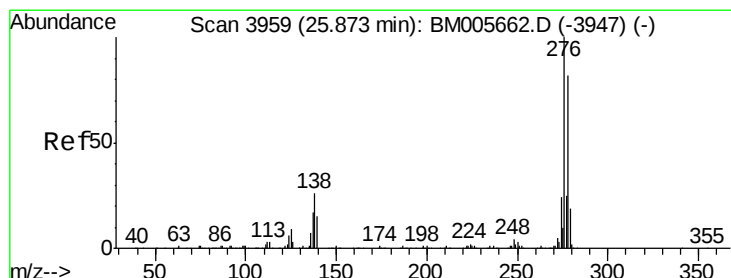
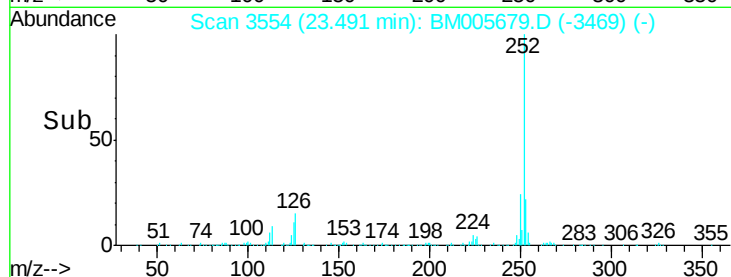
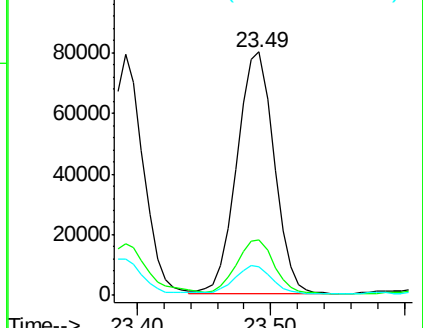
125 11.9 8.2 12.2



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: 3.88 ng/ul

RT: 25.87 min Scan# 3958

Delta R.T. -0.01 min

Lab File: BM005679.D

Acq: 06 Jun 2016 20:51

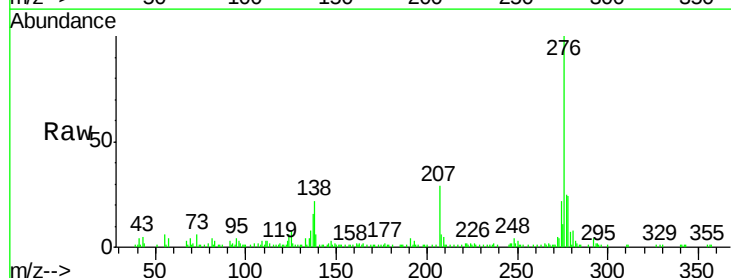
Tgt Ion:276 Resp: 130276

Ion Ratio Lower Upper

276 100

138 22.4 15.8 23.6

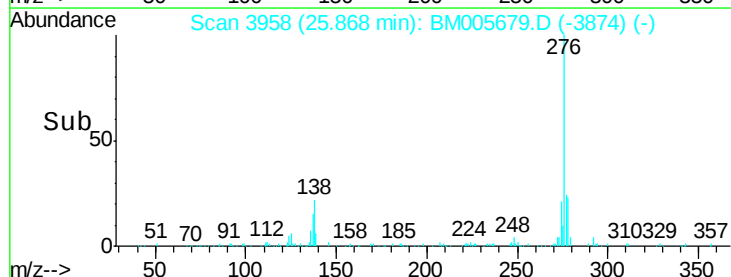
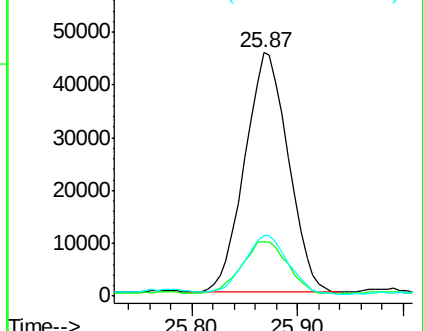
277 24.8 19.0 28.6

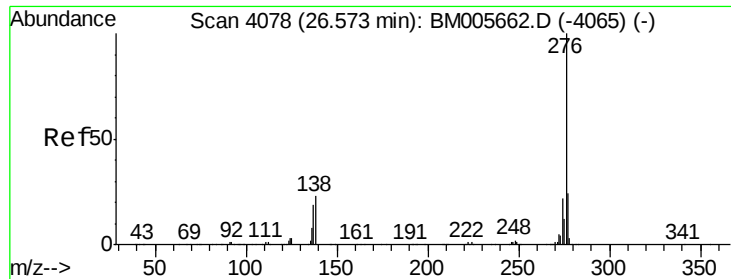


Abundance Ion 276.00 (275.70 to 276.70): E

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: 4.42 ng/ul

RT: 26.57 min Scan# 4078

Delta R.T. 0.00 min

Lab File: BM005679.D

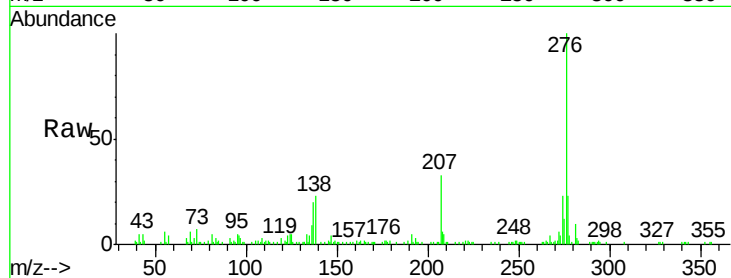
Acq: 06 Jun 2016 20:51

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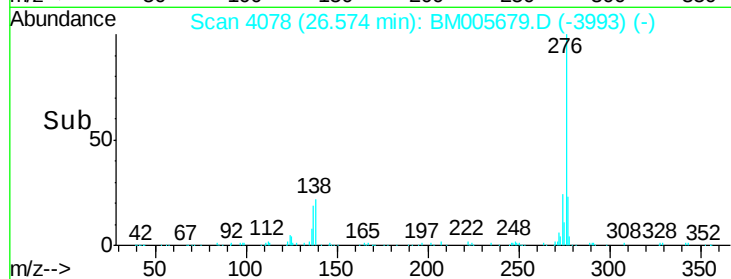
Tgt Ion: 276 Resp: 124649

Ion Ratio Lower Upper

276 100

138 22.9 13.9 20.9#

277 23.5 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

