

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006051.D
 Acq On : 26 Jun 2016 22:11
 Operator : UM/SJ
 Sample : H3670-15MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y98MS

Quant Time: Jun 27 05:18:27 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	317459	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1538493	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	916355	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	2074330	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	1940047	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1592899	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	7468	1.05	ng/uL	0.00
3) Phenol-d5	6.83	99	403259	12.07	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	258387	13.91	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	312237	13.42	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	281426	9.98	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	171837	14.67	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	190285	14.60	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	351457	14.06	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	298954	11.02	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1119382	14.27	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1442202	15.85	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	163672	9.78	ng/ul	0.00
21) Fluorene-d10	15.30	176	992842	14.82	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	108679	9.44	ng/ul	0.00
26) Anthracene-d10	17.15	188	1513058	15.88	ng/ul	0.00
30) Pyrene-d10	19.45	212	1643894	19.34	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1150173	15.99	ng/ul	0.00

Target Compounds

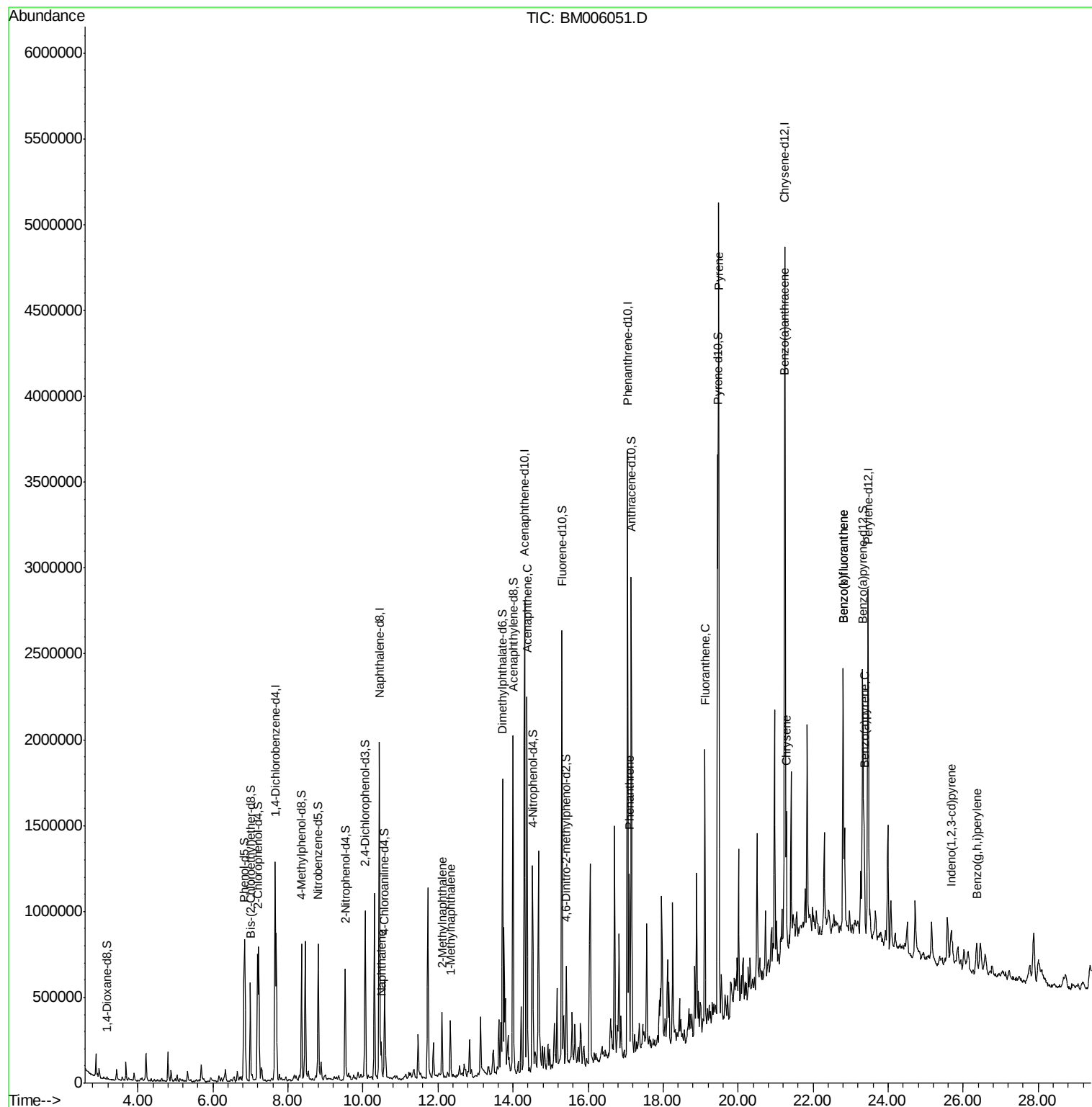
						Qvalue
11) Naphthalene	10.49	128	156517	2.04	ng/ul	98
13) 2-Methylnaphthalene	12.11	142	178539	2.89	ng/ul	96
14) 1-Methylnaphthalene	12.33	142	153178	2.59	ng/ul	99
19) Acenaphthene	14.37	153	895286	14.69	ng/ul	99
25) Phenanthrene	17.10	178	624736	5.60	ng/ul	100
28) Fluoranthene	19.12	202	893018	6.25	ng/ul	99
31) Pyrene	19.48	202	2589520	23.32	ng/ul	99
32) Benzo(a)anthracene	21.23	228	448145	3.89	ng/ul	95
33) Chrysene	21.29	228	512904	4.87	ng/ul	96
35) Benzo(b)fluoranthene	22.80	252	553998	5.99	ng/ul#	93
36) Benzo(k)fluoranthene	22.80	252	553998	6.43	ng/ul#	93
38) Benzo(a)pyrene	23.37	252	316780	3.57	ng/ul	95
39) Indeno(1,2,3-cd)pyrene	25.67	276	215418	2.04	ng/ul	97
41) Benzo(g,h,i)perylene	26.36	276	217930	2.38	ng/ul	98

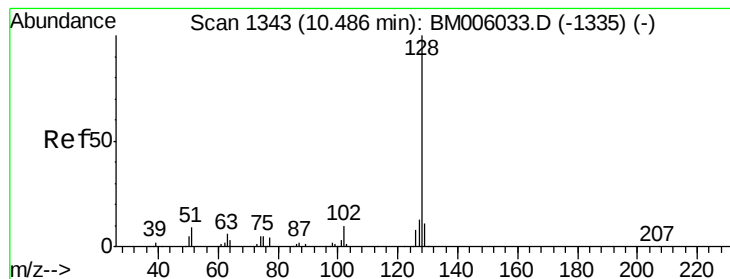
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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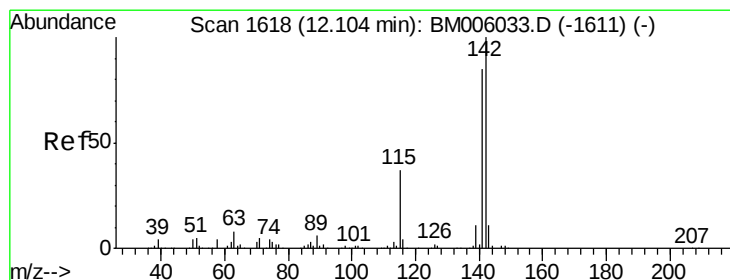
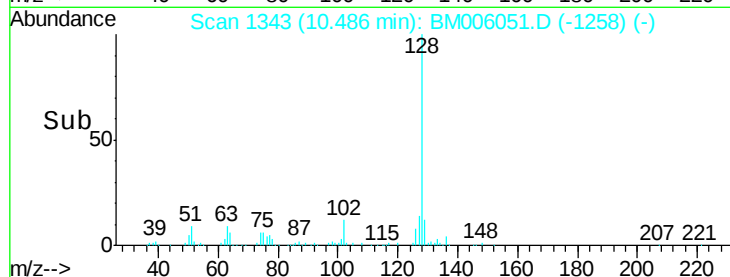
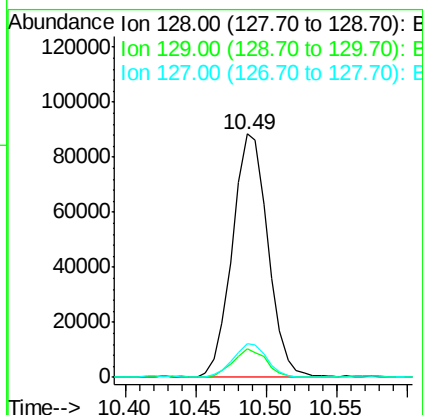
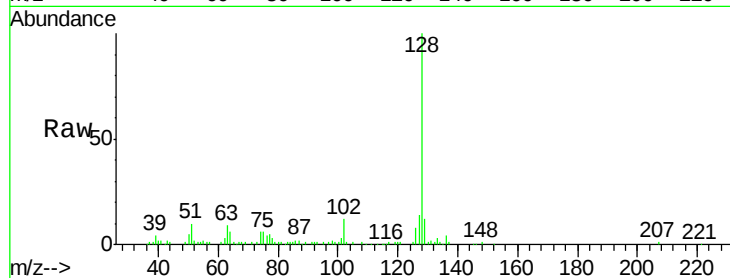




#11
Naphthalene
Concen: 2.04 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006051.D
Acq: 26 Jun 2016 22:11

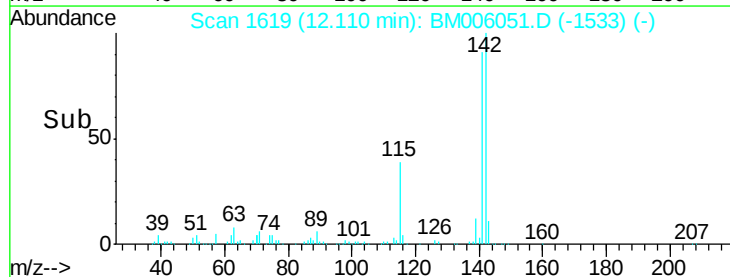
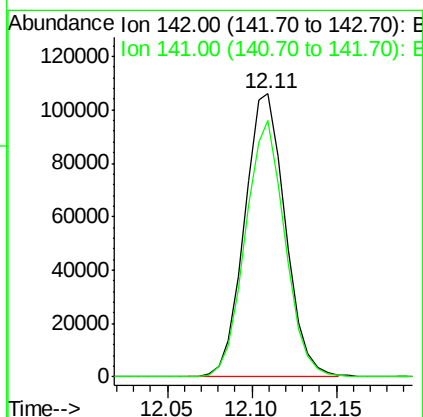
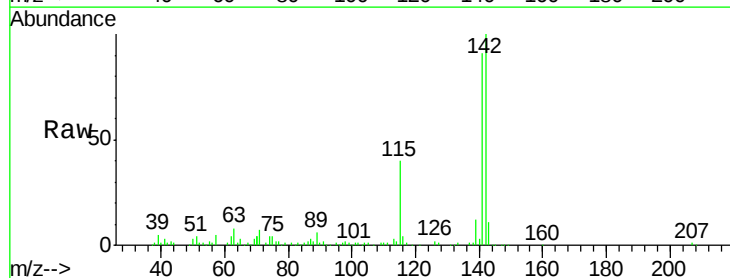
Instrument :
BNA_M
ClientSampleId :
D9Y98MS

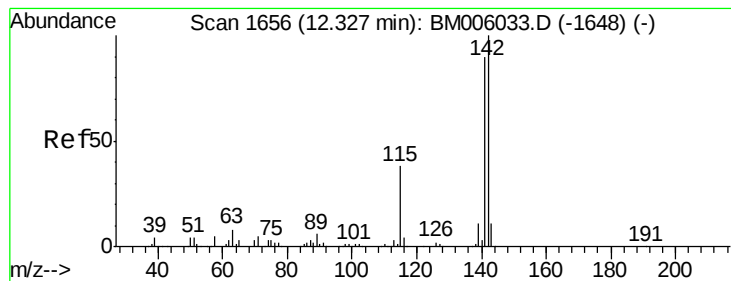
Tgt Ion:128 Resp: 156517
Ion Ratio Lower Upper
128 100
129 11.7 8.6 13.0
127 13.7 10.2 15.4



#13
2-Methylnaphthalene
Concen: 2.89 ng/ul
RT: 12.11 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BM006051.D
Acq: 26 Jun 2016 22:11

Tgt Ion:142 Resp: 178539
Ion Ratio Lower Upper
142 100
141 90.7 69.4 104.2





#14

1-Methylnaphthalene

Concen: 2.59 ng/ul

RT: 12.33 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BM006051.D

Acq: 26 Jun 2016 22:11

Instrument :

BNA_M

ClientSampleId :

D9Y98MS

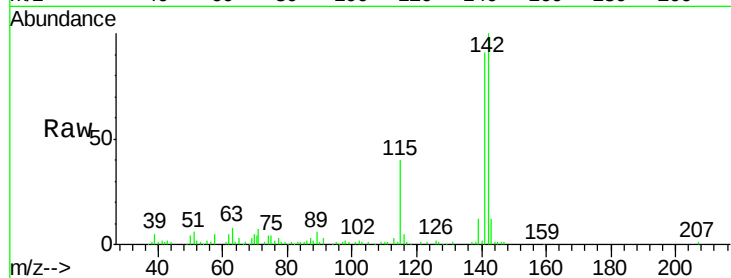
Tgt Ion:142 Resp: 153178

Ion Ratio Lower Upper

142 100

141 91.1 72.3 108.5

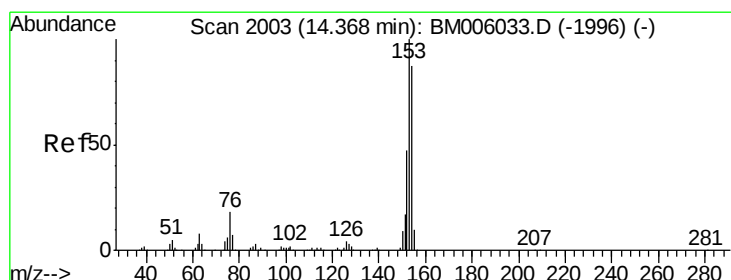
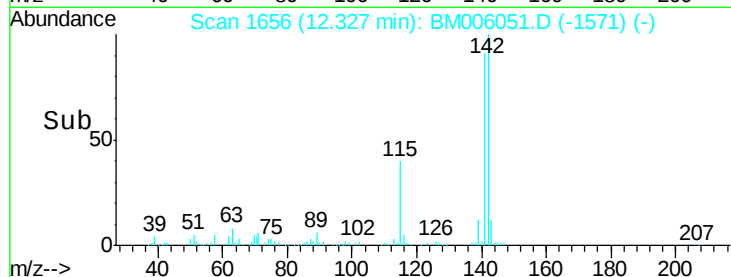
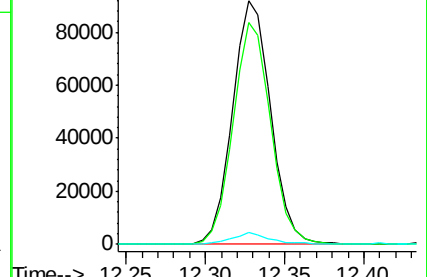
116 4.8 3.4 5.0



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



#19

Acenaphthene

Concen: 14.69 ng/ul

RT: 14.37 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BM006051.D

Acq: 26 Jun 2016 22:11

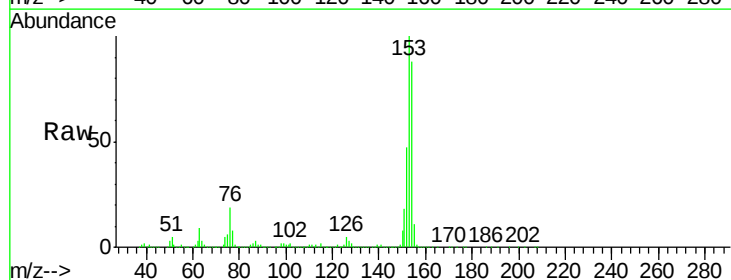
Tgt Ion:153 Resp: 895286

Ion Ratio Lower Upper

153 100

152 46.6 38.6 57.8

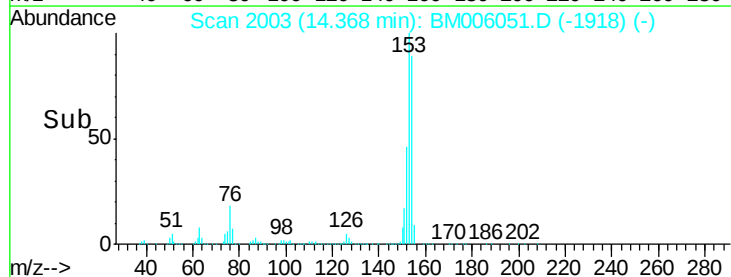
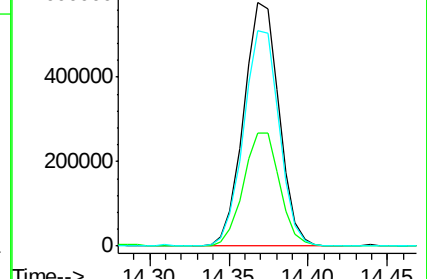
154 88.5 70.7 106.1

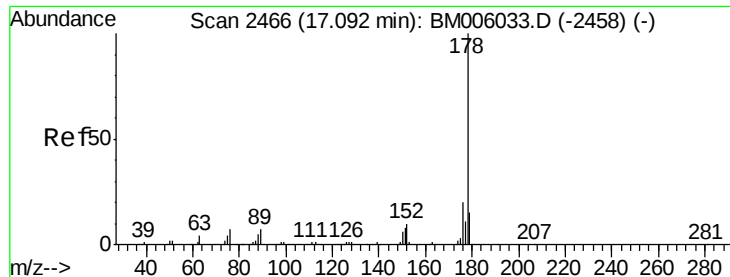


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#25

Phenanthrene

Concen: 5.60 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BM006051.D

Acq: 26 Jun 2016 22:11

Instrument :

BNA_M

ClientSampleId :

D9Y98MS

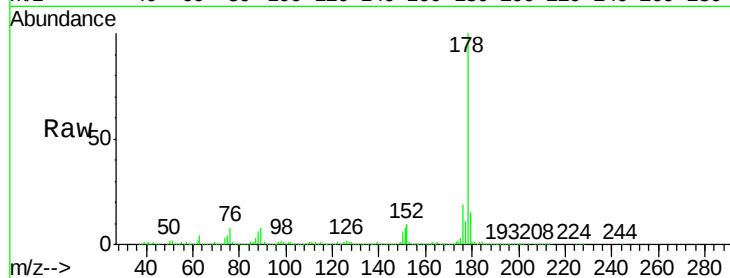
Tgt Ion:178 Resp: 624736

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

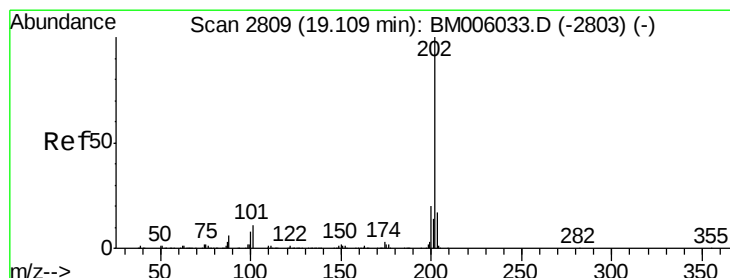
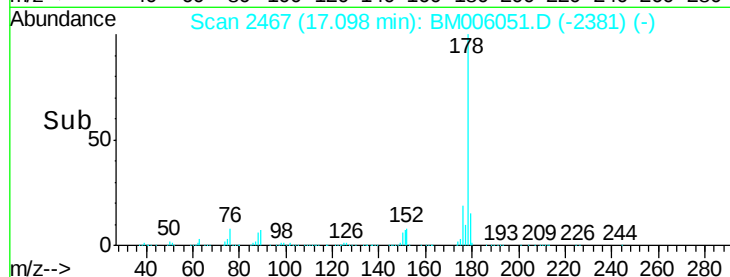
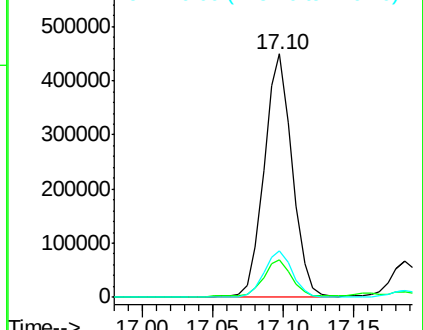
176 19.1 15.4 23.0



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: 6.25 ng/ul

RT: 19.12 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BM006051.D

Acq: 26 Jun 2016 22:11

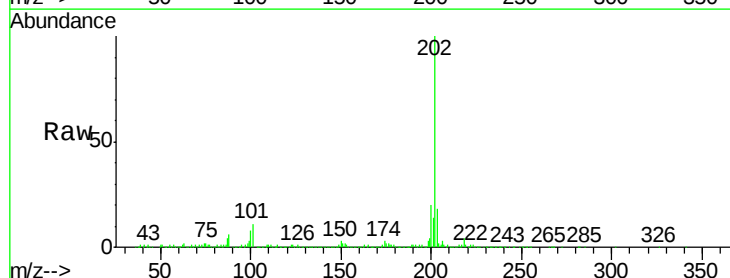
Tgt Ion:202 Resp: 893018

Ion Ratio Lower Upper

202 100

101 10.9 8.2 12.4

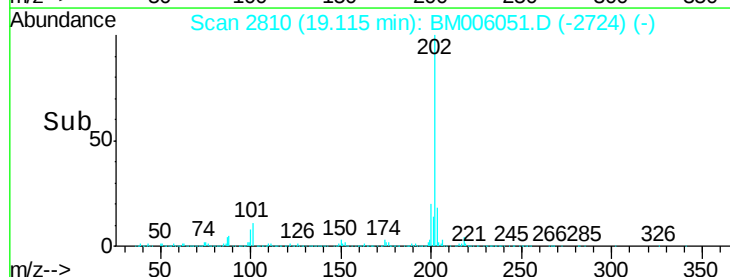
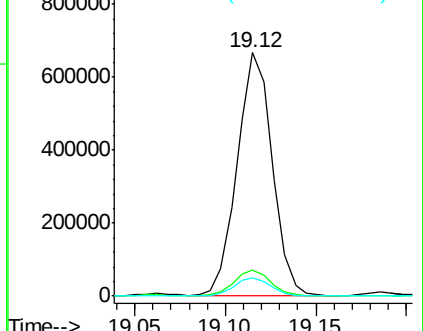
100 7.8 6.3 9.5

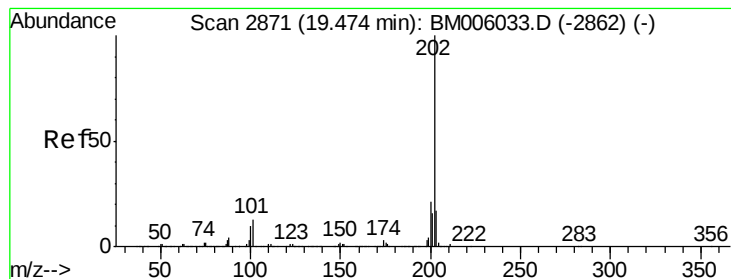


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

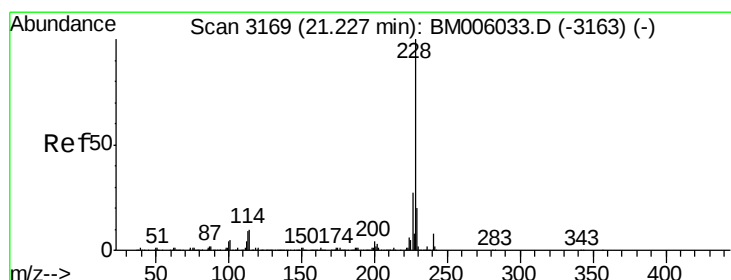
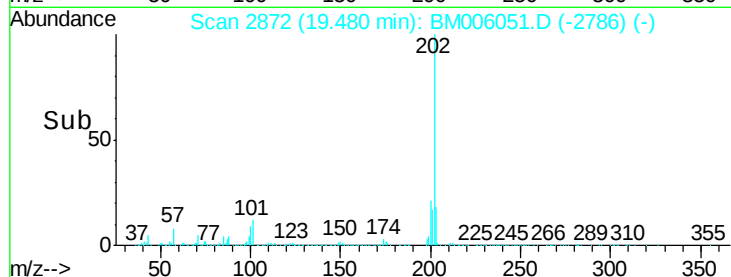
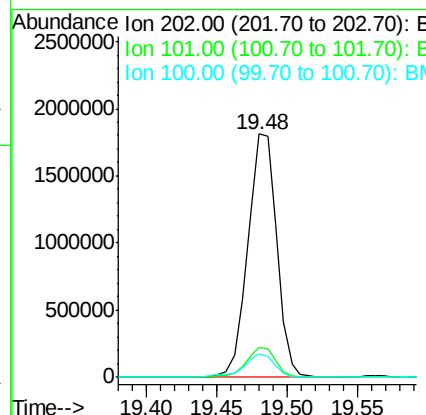
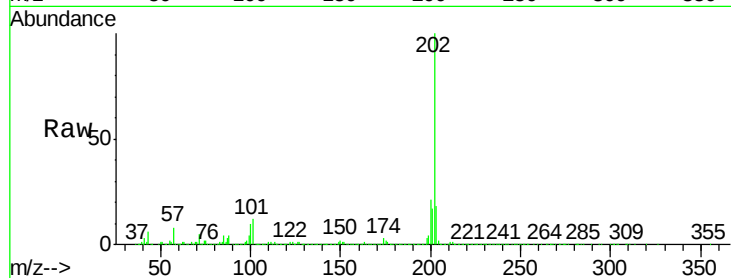




#31
 Pyrene
 Concen: 23.32 ng/ul
 RT: 19.48 min Scan# 2872
 Delta R.T. 0.01 min
 Lab File: BM006051.D
 Acq: 26 Jun 2016 22:11

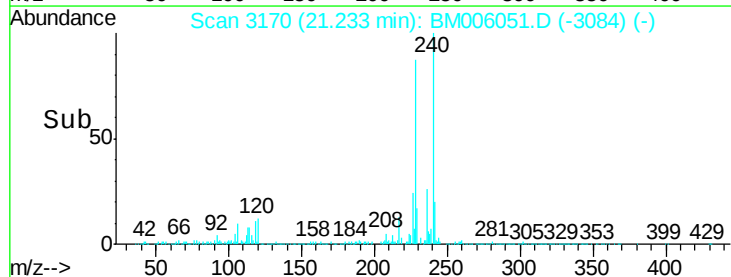
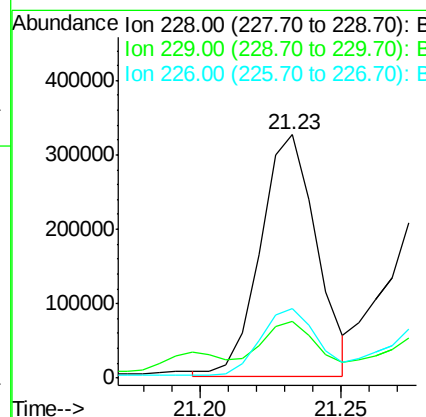
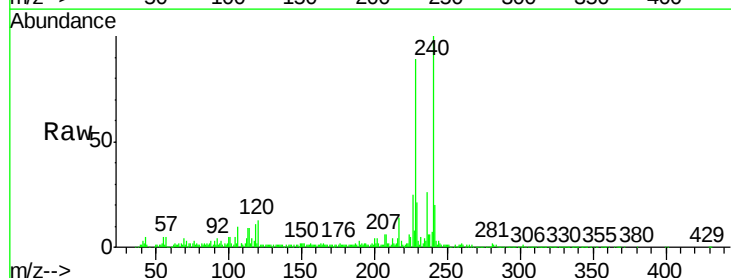
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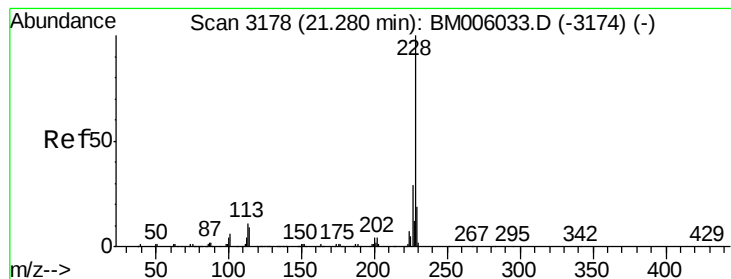
Tgt Ion:202 Resp: 2589520
 Ion Ratio Lower Upper
 202 100
 101 12.2 9.8 14.6
 100 9.5 8.2 12.2



#32
 Benzo(a)anthracene
 Concen: 3.89 ng/ul
 RT: 21.23 min Scan# 3170
 Delta R.T. 0.01 min
 Lab File: BM006051.D
 Acq: 26 Jun 2016 22:11

Tgt Ion:228 Resp: 448145
 Ion Ratio Lower Upper
 228 100
 229 23.4 15.8 23.6
 226 28.4 21.5 32.3





#33

Chrysene

Concen: 4.87 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. 0.01 min

Lab File: BM006051.D

Acq: 26 Jun 2016 22:11

Instrument :

BNA_M

ClientSampleId :

D9Y98MS

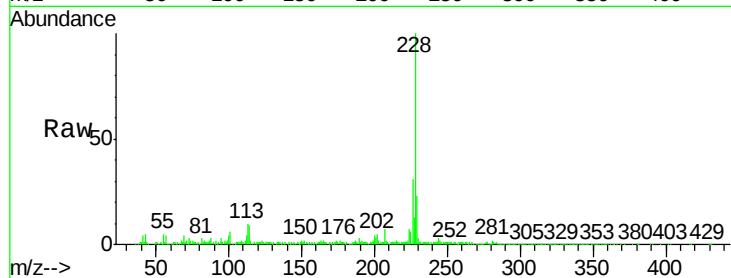
Tgt Ion:228 Resp: 512904

Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

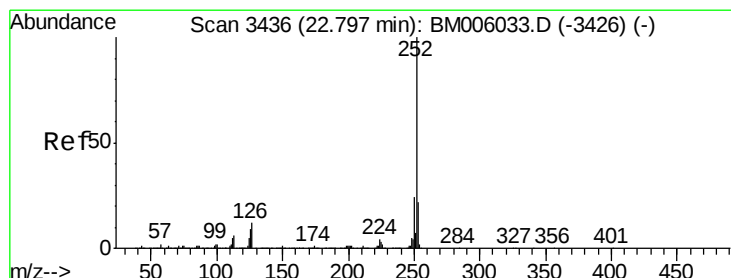
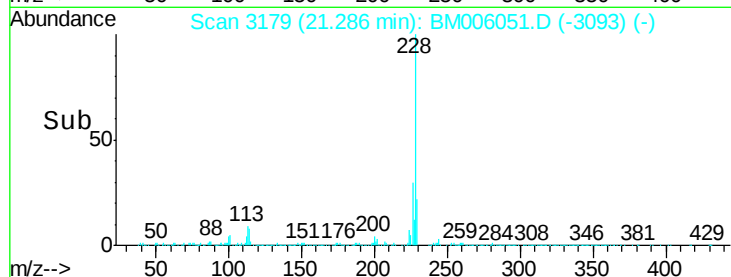
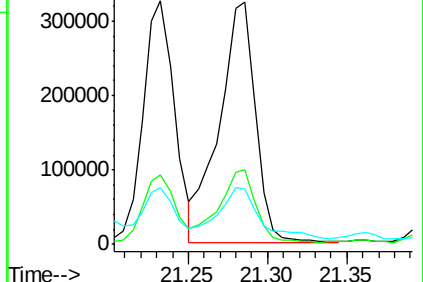
229 23.1 15.4 23.2



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: 5.99 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006051.D

Acq: 26 Jun 2016 22:11

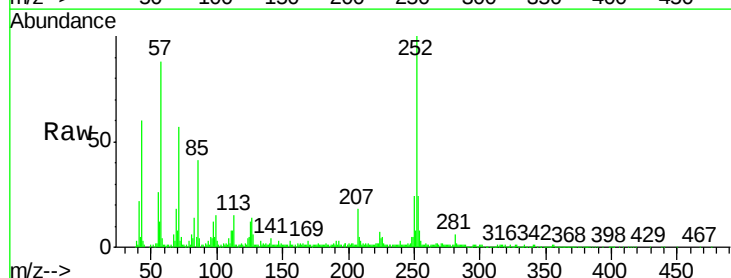
Tgt Ion:252 Resp: 553998

Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

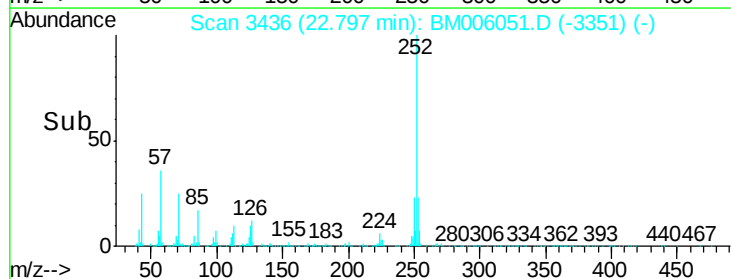
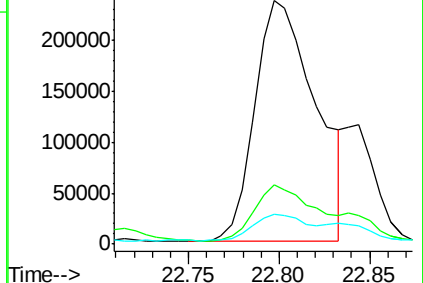
125 12.5 6.8 10.2#

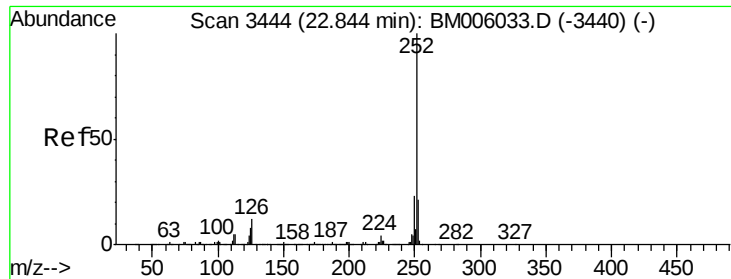


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 6.43 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.05 min

Lab File: BM006051.D

Acq: 26 Jun 2016 22:11

Instrument :

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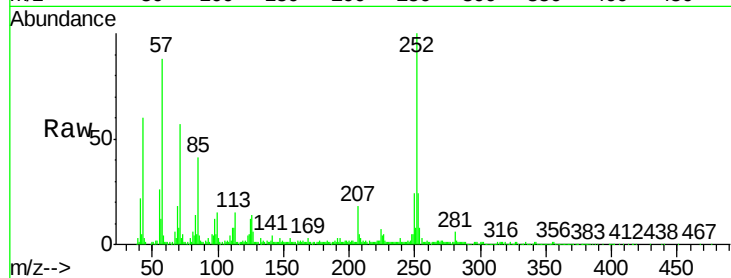
Tgt Ion:252 Resp: 553998

Ion Ratio Lower Upper

252 100

253 24.3 17.3 25.9

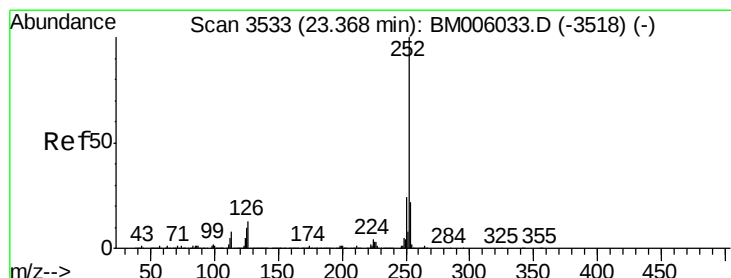
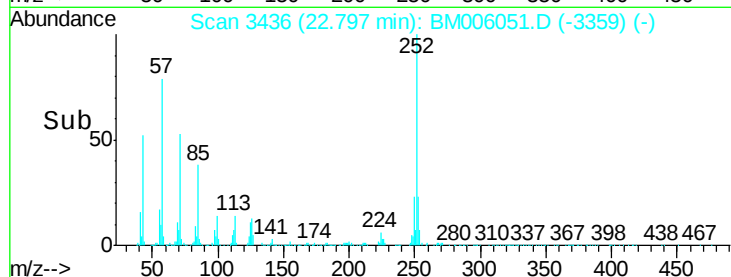
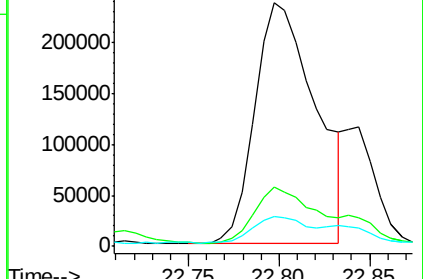
125 12.5 7.0 10.4#



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: 3.57 ng/ul

RT: 23.37 min Scan# 3533

Delta R.T. -0.00 min

Lab File: BM006051.D

Acq: 26 Jun 2016 22:11

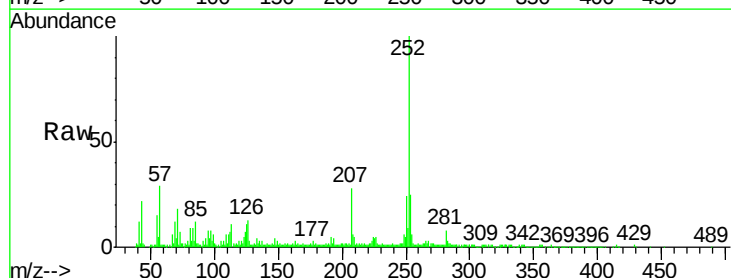
Tgt Ion:252 Resp: 316780

Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

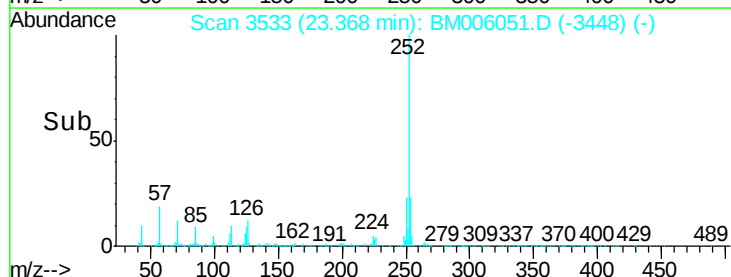
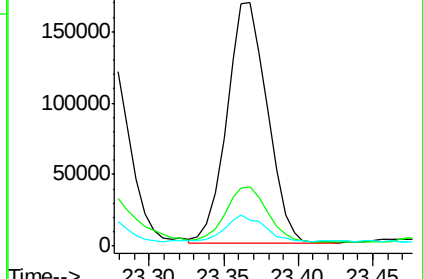
125 10.8 7.8 11.6

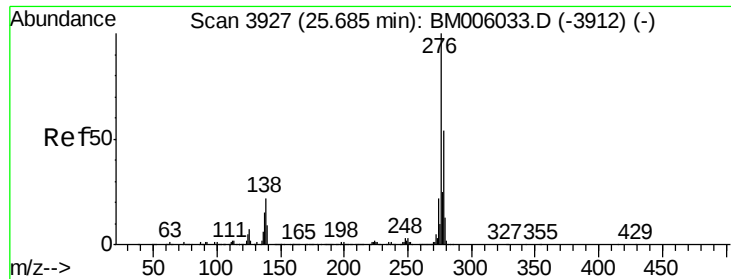


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.04 ng/ul

RT: 25.67 min Scan# 3925

Delta R.T. -0.01 min

Lab File: BM006051.D

Acq: 26 Jun 2016 22:11

Instrument :

BNA_M

ClientSampleId :

D9Y98MS

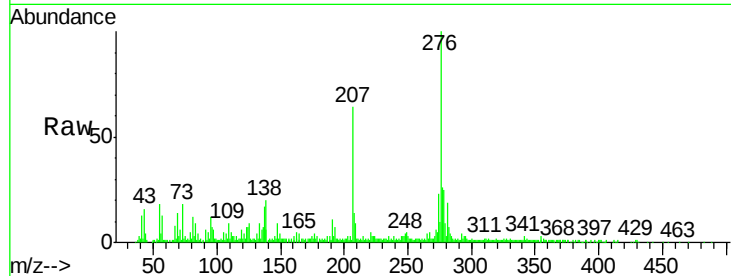
Tgt Ion:276 Resp: 215418

Ion Ratio Lower Upper

276 100

138 19.7 16.6 25.0

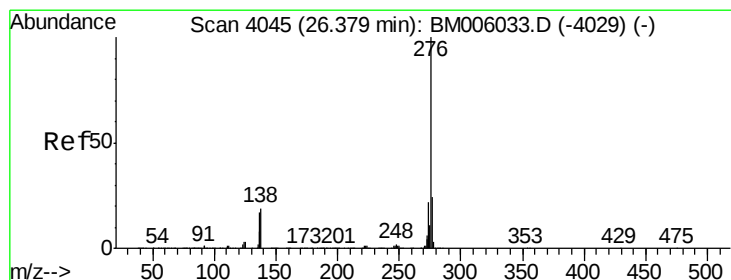
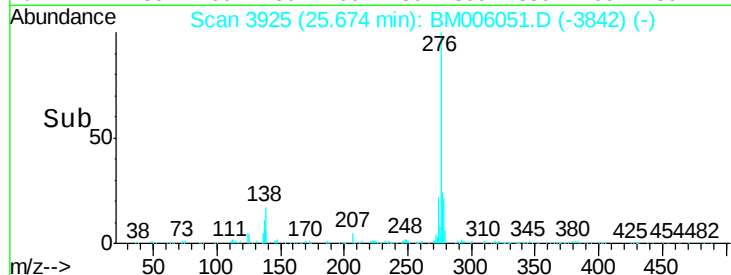
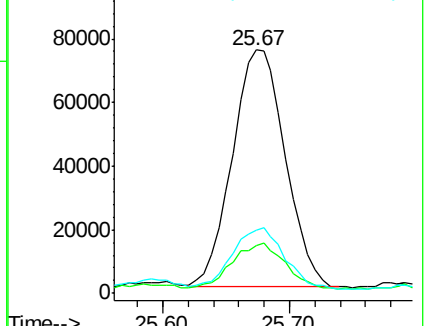
277 26.2 19.6 29.4



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: 2.38 ng/ul

RT: 26.36 min Scan# 4042

Delta R.T. -0.02 min

Lab File: BM006051.D

Acq: 26 Jun 2016 22:11

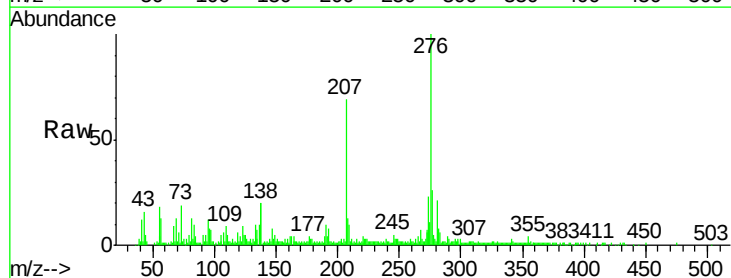
Tgt Ion:276 Resp: 217930

Ion Ratio Lower Upper

276 100

138 20.0 15.9 23.9

277 26.0 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

