

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
 Data File : BM006086.D
 Acq On : 28 Jun 2016 00:57
 Operator : UM/SJ
 Sample : H3779-05MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YD4MSD

Quant Time: Jun 28 02:15:14 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 28 02:11:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	223709	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1166207	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	772329	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1944125	20.00	ng/ul	0.00
29) Chrysene-d12	21.27	240	1459034	20.00	ng/ul	0.01
34) Perylene-d12	23.49	264	1743422	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	5128	1.02	ng/uL	0.00
3) Phenol-d5	6.83	99	342648	14.56	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	181577	13.87	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	246078	15.01	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	285250	14.36	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	131581	14.82	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	139593	14.13	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	296324	15.64	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	323493	15.73	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	934608	14.14	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1222105	15.94	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	193580	13.72	ng/ul	0.00
21) Fluorene-d10	15.30	176	887626	15.72	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.44	200	41540	3.85	ng/ul	0.00
26) Anthracene-d10	17.16	188	1488602	16.67	ng/ul	0.00
30) Pyrene-d10	19.46	212	1498465	23.45	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.35	264	1282527	16.29	ng/ul	0.01

Target Compounds

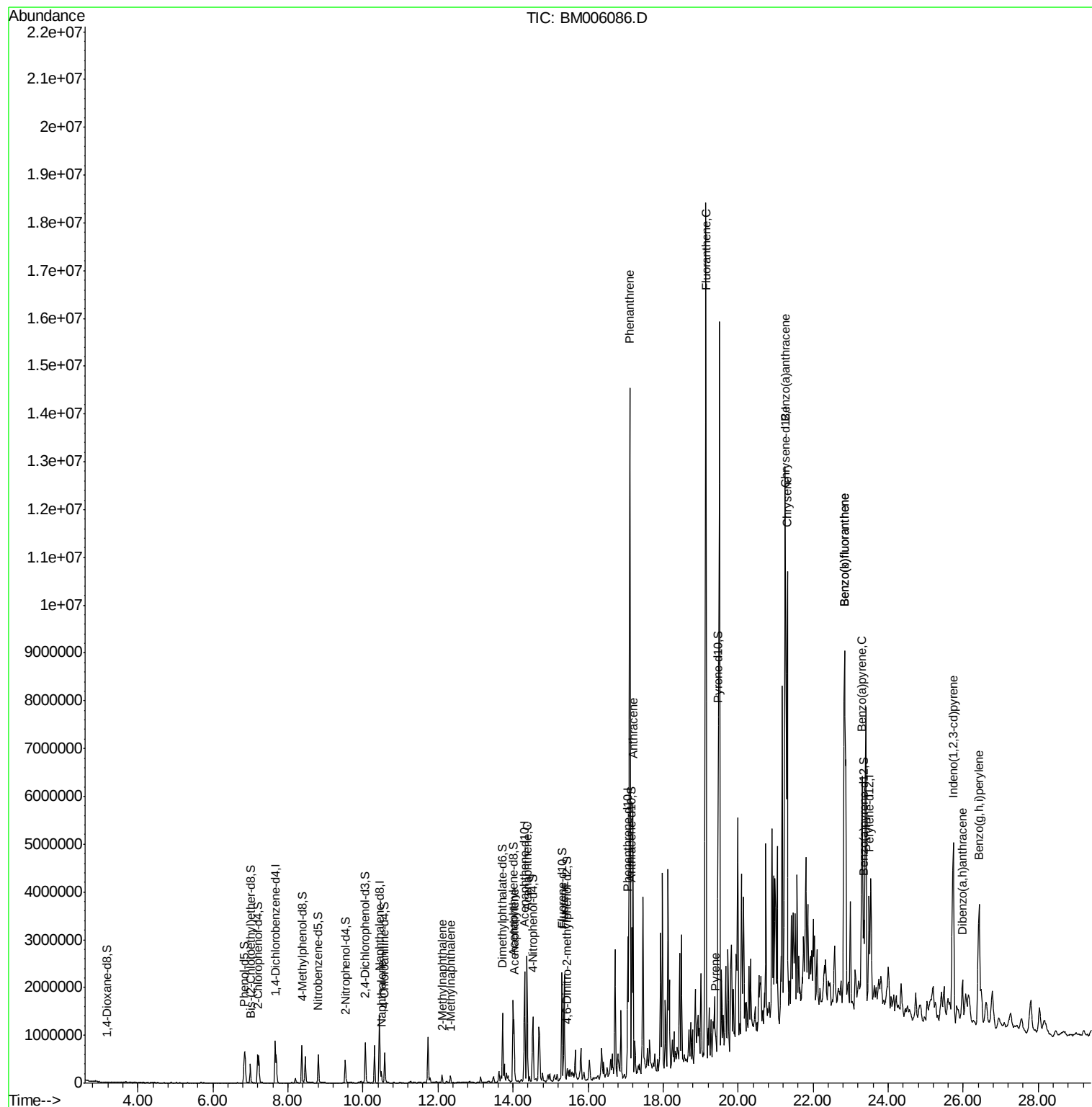
						Qvalue
11) Naphthalene	10.49	128	181855	3.12	ng/ul	99
13) 2-Methylnaphthalene	12.11	142	76758	1.64	ng/ul	100
14) 1-Methylnaphthalene	12.33	142	68347	1.52	ng/ul#	96
18) Acenaphthylene	14.03	152	936874	11.59	ng/ul	99
19) Acenaphthene	14.37	153	1048102	20.41	ng/ul	99
22) Fluorene	15.36	166	993761	16.06	ng/ul	98
25) Phenanthrene	17.12	178	10442553	99.86	ng/ul	97
27) Anthracene	17.20	178	3433956	31.81	ng/ul	100
28) Fluoranthene	19.14	202	14392050	107.45	ng/ul	99
31) Pyrene	19.40	202	124846	1.49	ng/ul	96
32) Benzo(a)anthracene	21.25	228	6784676	78.28	ng/ul	94
33) Chrysene	21.31	228	6333354	79.99	ng/ul	95
35) Benzo(b)fluoranthene	22.84	252	8146898	80.42	ng/ul	96
36) Benzo(k)fluoranthene	22.84	252	8146898	86.46	ng/ul	96
38) Benzo(a)pyrene	23.30	252	4133238	42.56	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.73	276	3973216	34.32	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.98	278	895318	9.30	ng/ul	93
41) Benzo(g,h,i)perylene	26.43	276	3360873	33.56	ng/ul	97

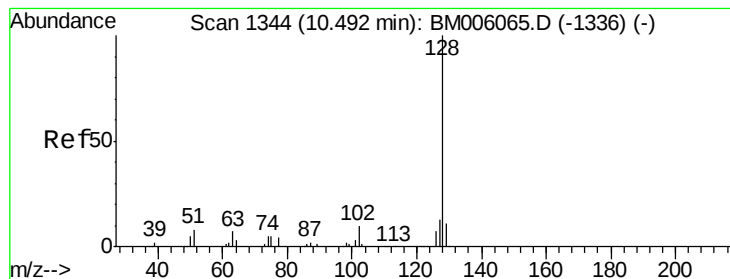
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Naphthalene

Concen: 3.12 ng/ul

RT: 10.49 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

Instrument :

BNA_M

ClientSampleId :

D9YD4MSD

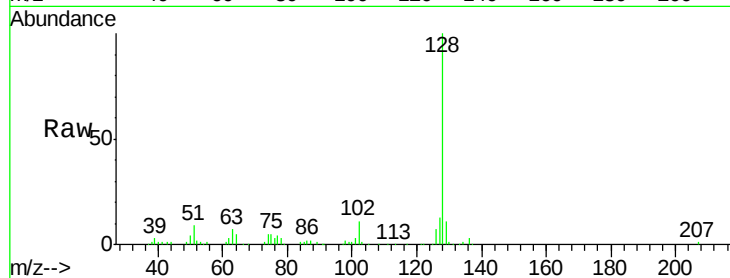
Tgt Ion:128 Resp: 181855

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

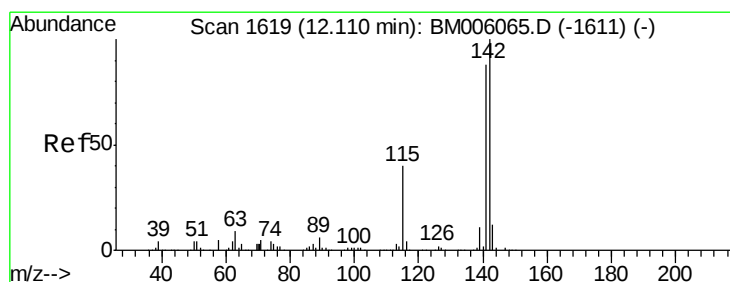
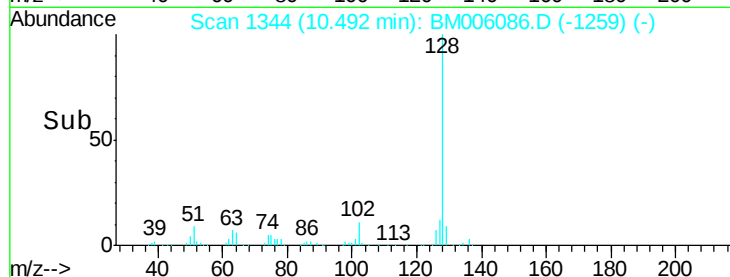
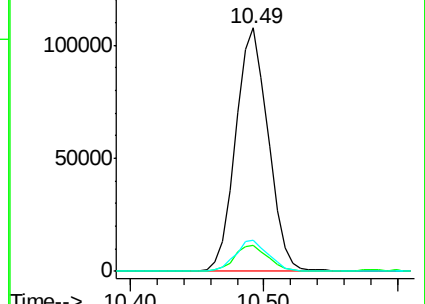
127 12.6 10.5 15.7



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



#13

2-Methylnaphthalene

Concen: 1.64 ng/ul

RT: 12.11 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BM006086.D

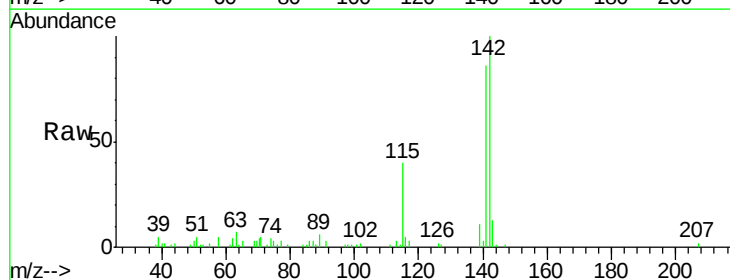
Acq: 28 Jun 2016 00:57

Tgt Ion:142 Resp: 76758

Ion Ratio Lower Upper

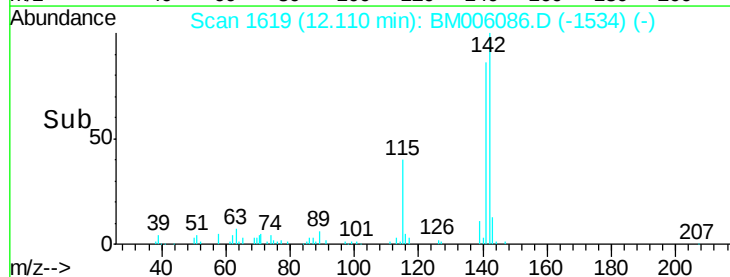
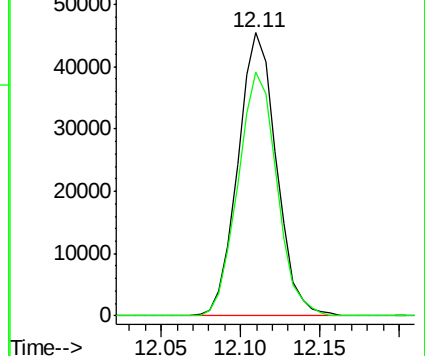
142 100

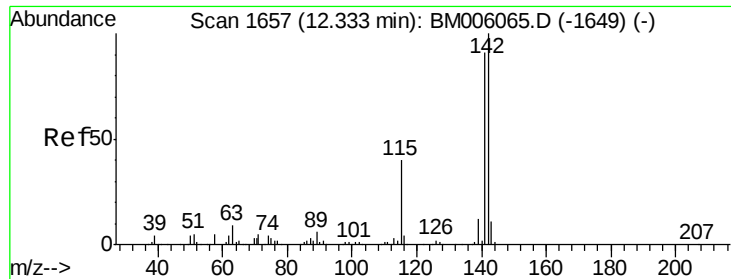
141 85.9 69.0 103.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

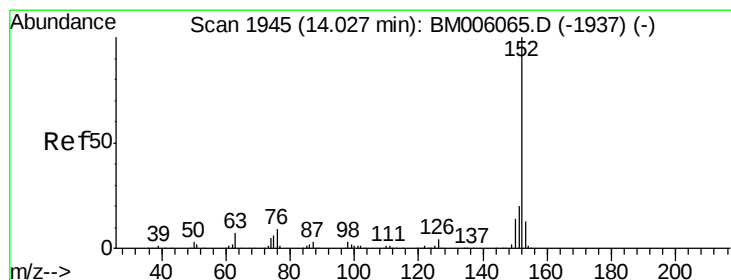
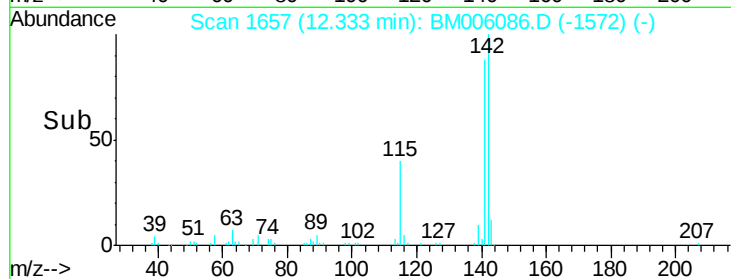
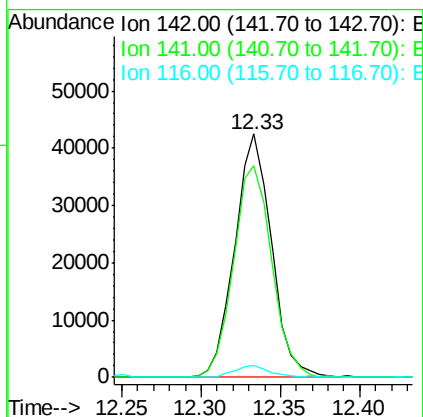
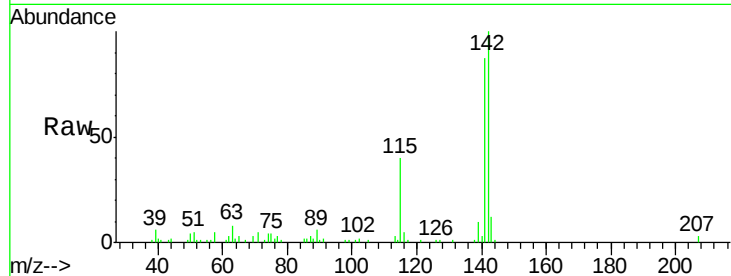




#14
 1-Methylnaphthalene
 Concen: 1.52 ng/ul
 RT: 12.33 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: BM006086.D
 Acq: 28 Jun 2016 00:57

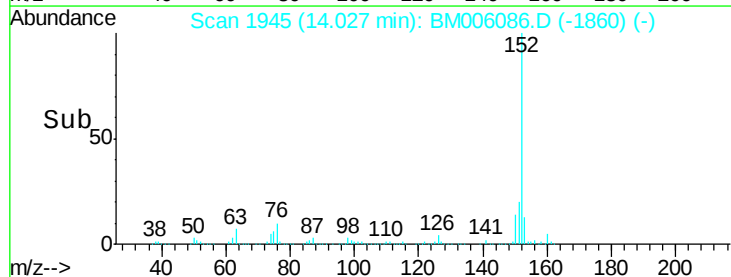
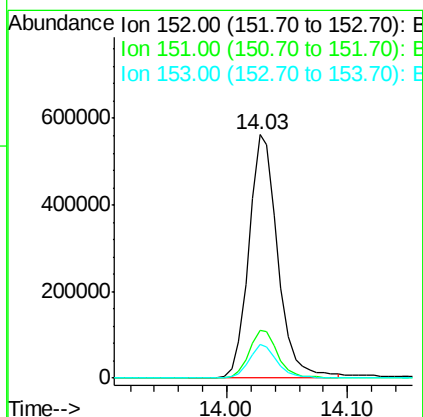
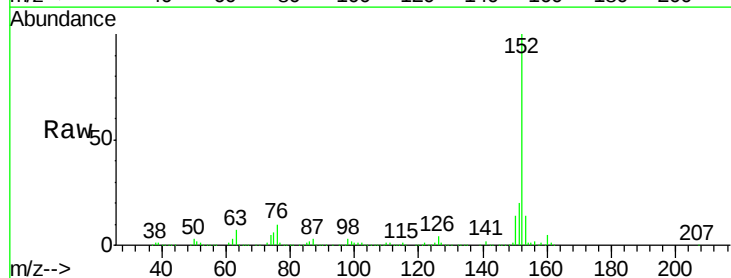
Instrument :
 BNA_M
 ClientSampled :
 D9YD4MSD

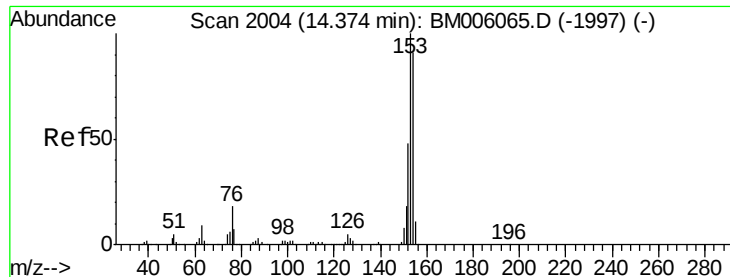
Tgt Ion:142 Resp: 68347
 Ion Ratio Lower Upper
 142 100
 141 87.0 73.0 109.4
 116 5.0 3.0 4.6#



#18
 Acenaphthylene
 Concen: 11.59 ng/ul
 RT: 14.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: BM006086.D
 Acq: 28 Jun 2016 00:57

Tgt Ion:152 Resp: 936874
 Ion Ratio Lower Upper
 152 100
 151 19.6 15.8 23.6
 153 13.6 10.3 15.5





#19

Acenaphthene

Concen: 20.41 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

Instrument :

BNA_M

ClientSampleId :

D9YD4MSD

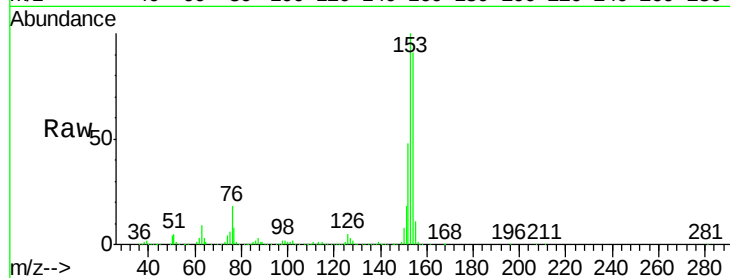
Tgt Ion:153 Resp: 1048102

Ion Ratio Lower Upper

153 100

152 47.6 38.1 57.1

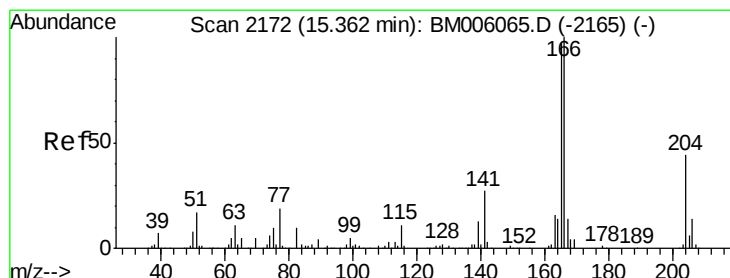
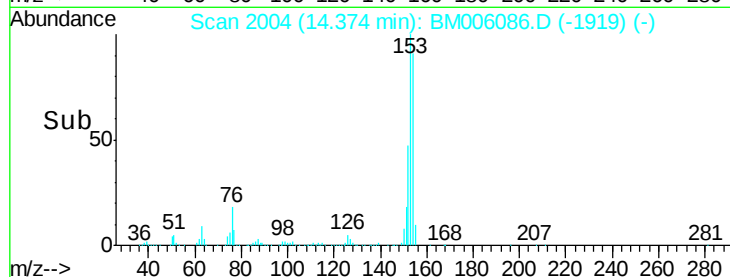
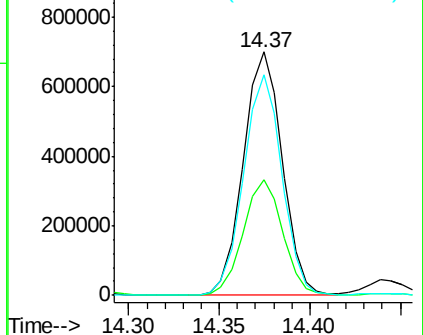
154 90.5 71.6 107.4



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



#22

Fluorene

Concen: 16.06 ng/ul

RT: 15.36 min Scan# 2172

Delta R.T. 0.00 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

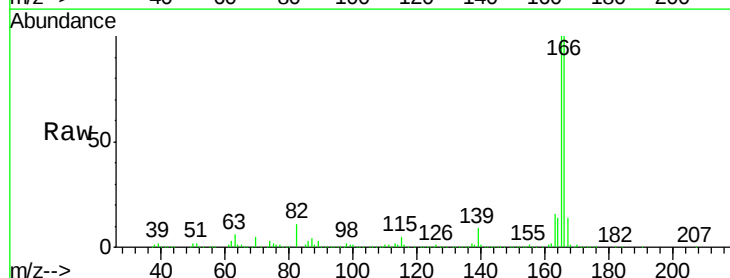
Tgt Ion:166 Resp: 993761

Ion Ratio Lower Upper

166 100

165 99.6 78.4 117.6

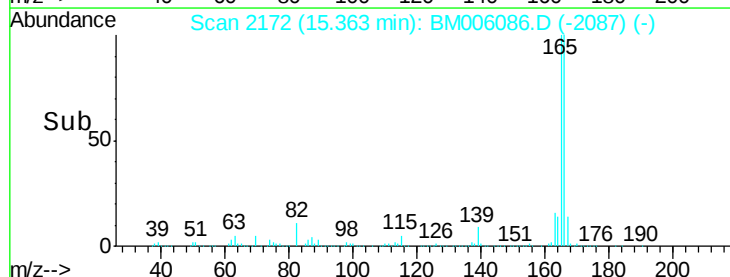
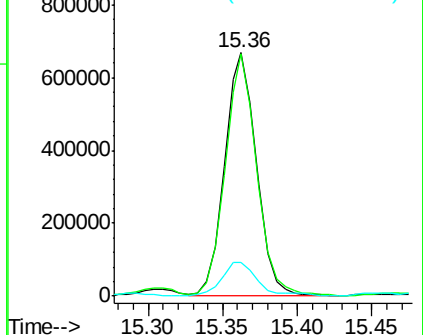
167 14.0 10.6 16.0

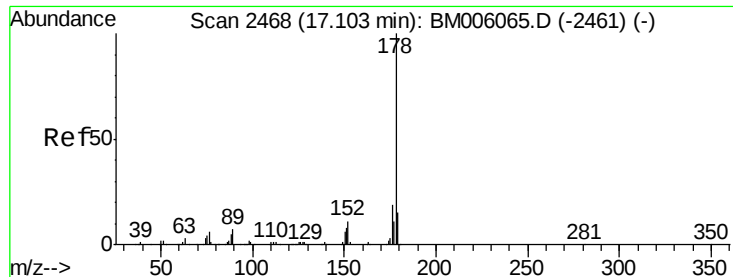


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 99.86 ng/ul

RT: 17.12 min Scan# 2470

Delta R.T. 0.01 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

Instrument :

BNA_M

ClientSampleId :

D9YD4MSD

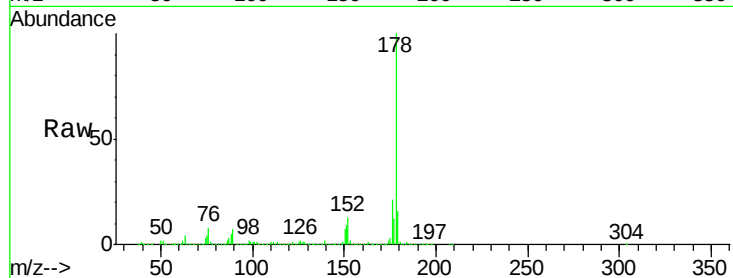
Tgt Ion:178 Resp:10442553

Ion Ratio Lower Upper

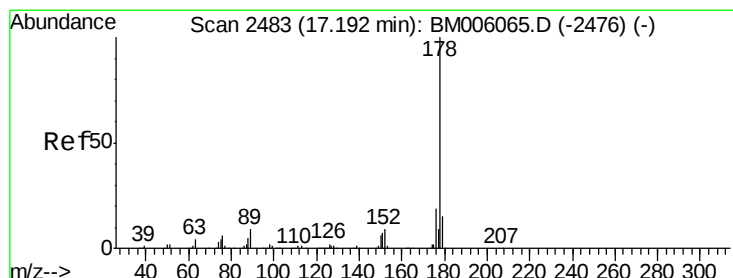
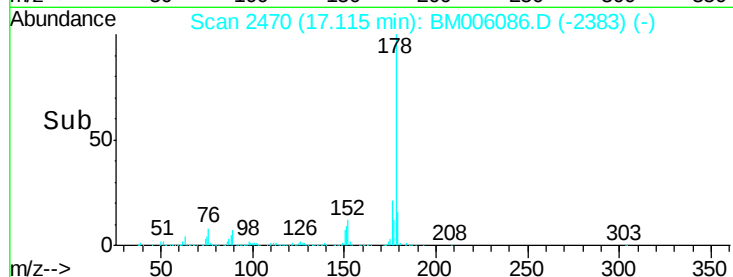
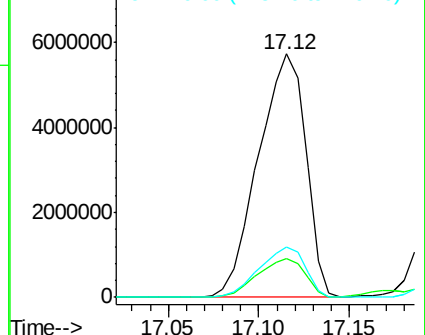
178 100

179 15.9 12.2 18.2

176 20.7 15.3 22.9



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: 31.81 ng/ul

RT: 17.20 min Scan# 2484

Delta R.T. 0.01 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

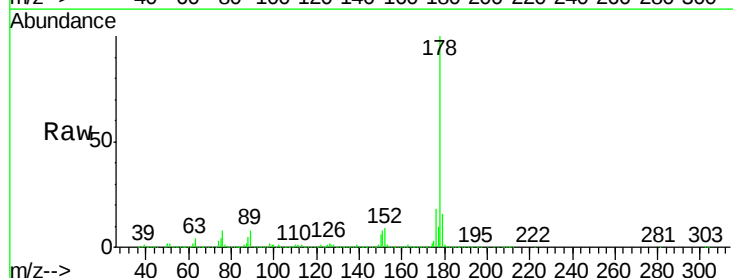
Tgt Ion:178 Resp: 3433956

Ion Ratio Lower Upper

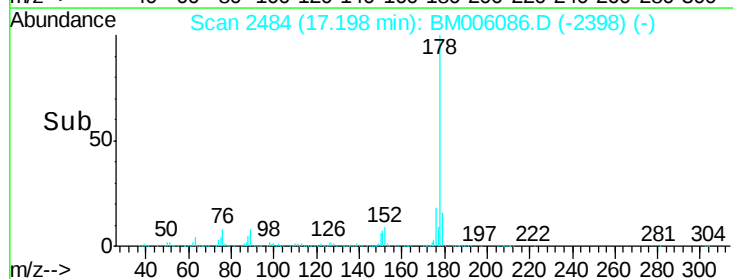
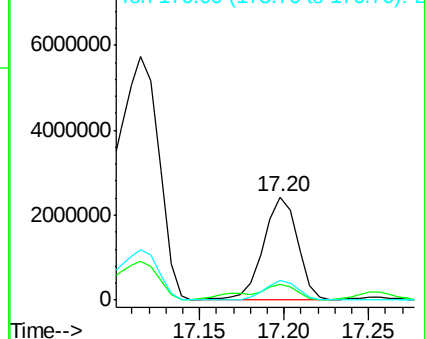
178 100

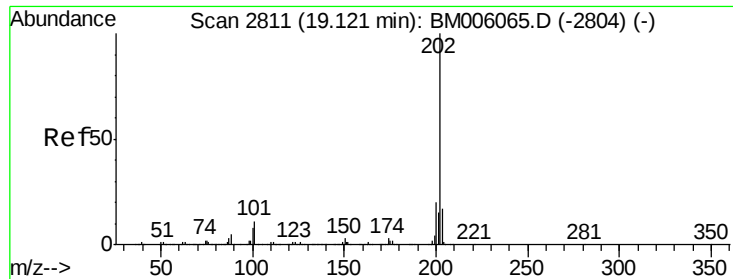
179 15.6 12.3 18.5

176 18.4 14.6 22.0



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: 107.45 ng/ul

RT: 19.14 min Scan# 2815

Delta R.T. 0.02 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

Instrument :

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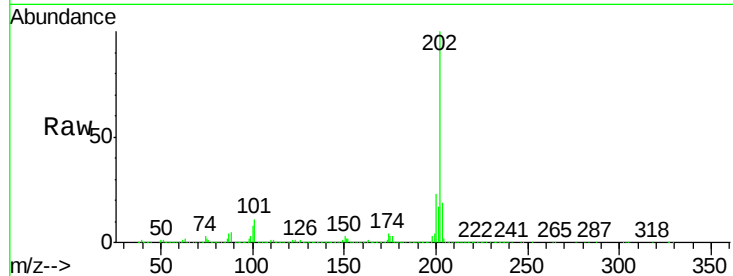
Tgt Ion:202 Resp:14392050

Ion Ratio Lower Upper

202 100

101 11.0 8.5 12.7

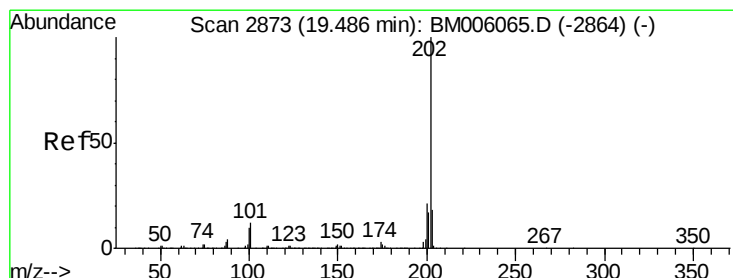
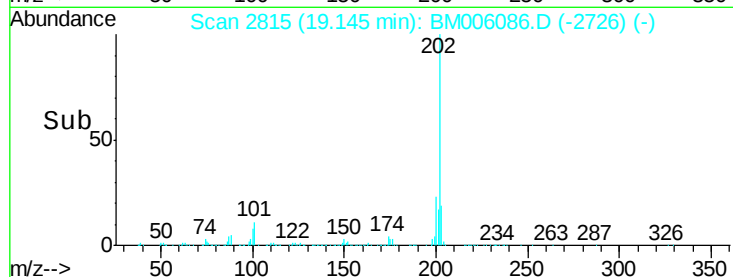
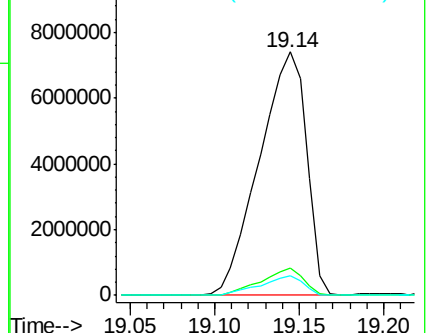
100 8.1 6.5 9.7



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: 1.49 ng/ul

RT: 19.40 min Scan# 2858

Delta R.T. -0.09 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

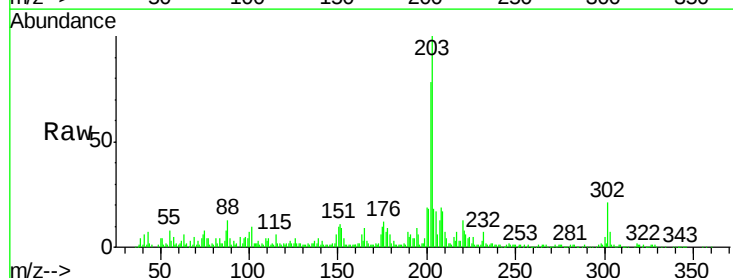
Tgt Ion:202 Resp: 124846

Ion Ratio Lower Upper

202 100

101 12.5 11.0 16.4

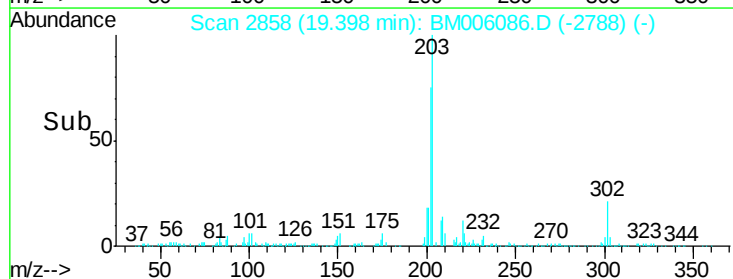
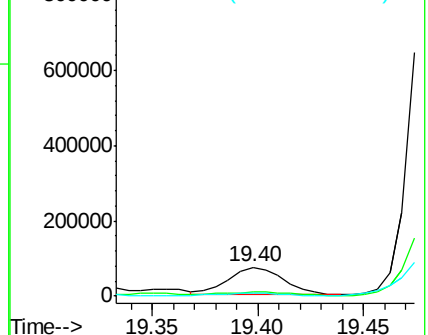
100 9.4 8.9 13.3

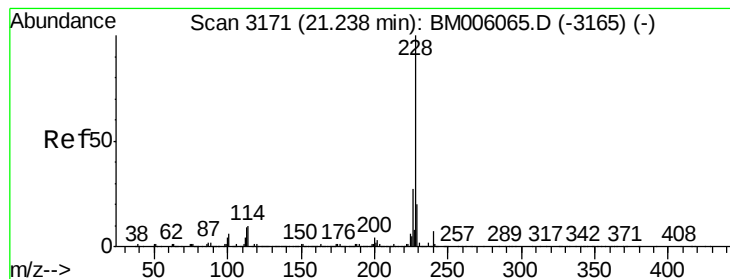


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 78.28 ng/u1

RT: 21.25 min Scan# 3173

Delta R.T. 0.01 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

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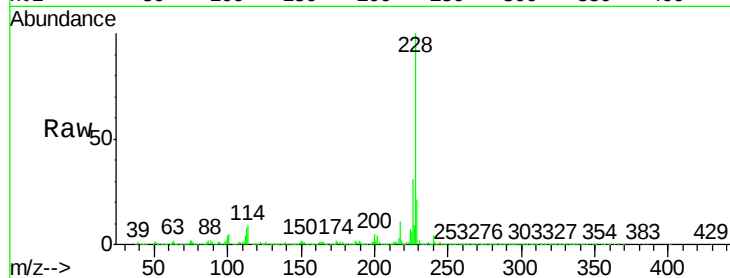
Tgt Ion:228 Resp: 6784676

Ion Ratio Lower Upper

228 100

229 21.3 15.6 23.4

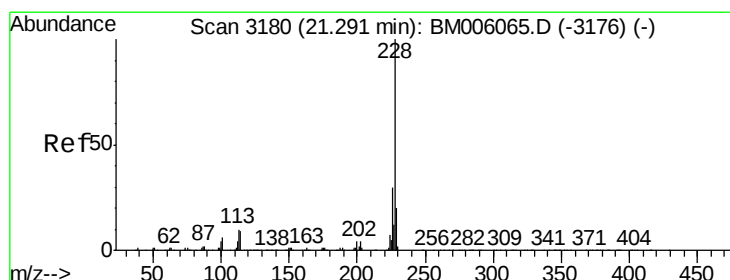
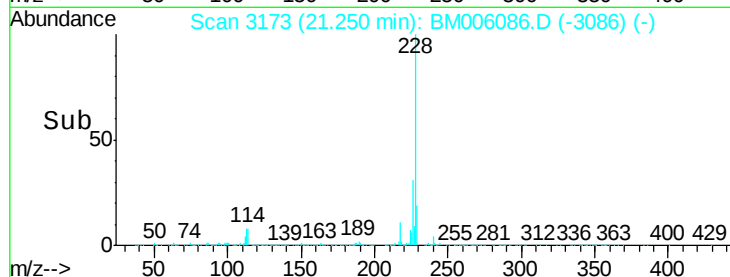
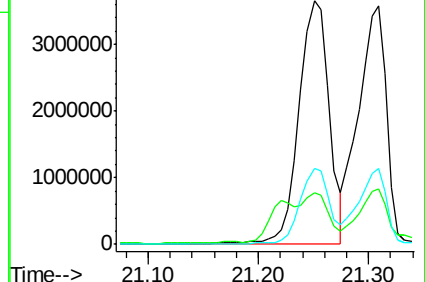
226 31.1 21.6 32.4



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: 79.99 ng/u1

RT: 21.31 min Scan# 3183

Delta R.T. 0.02 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

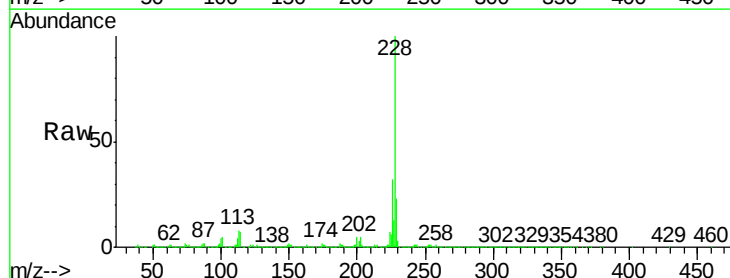
Tgt Ion:228 Resp: 6333354

Ion Ratio Lower Upper

228 100

226 31.8 23.8 35.6

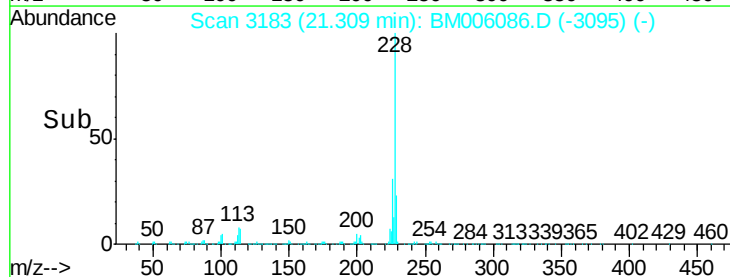
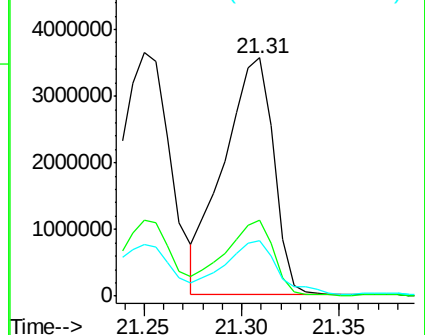
229 23.3 15.8 23.6

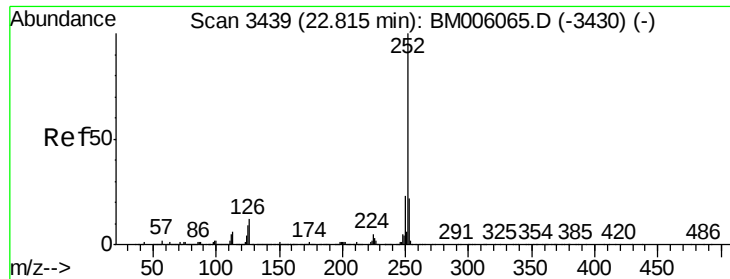


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 80.42 ng/ul

RT: 22.84 min Scan# 3443

Delta R.T. 0.02 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

Instrument :

BNA_M

ClientSampleId :

D9YD4MSD

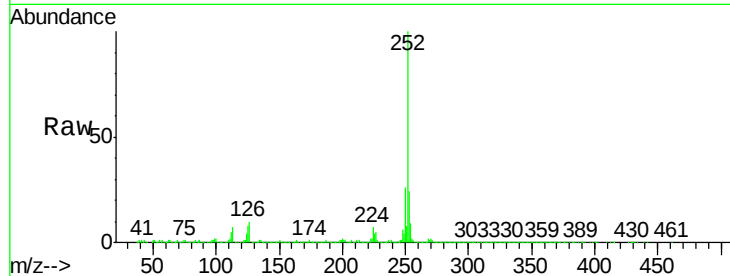
Tgt Ion:252 Resp: 8146898

Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

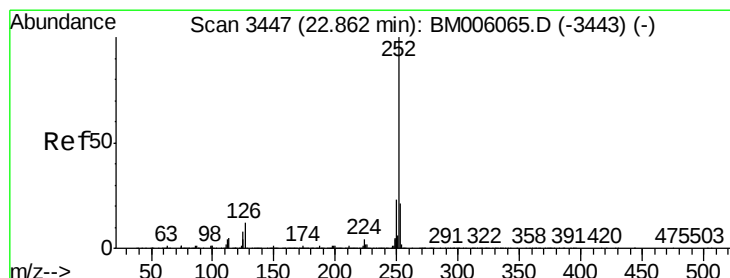
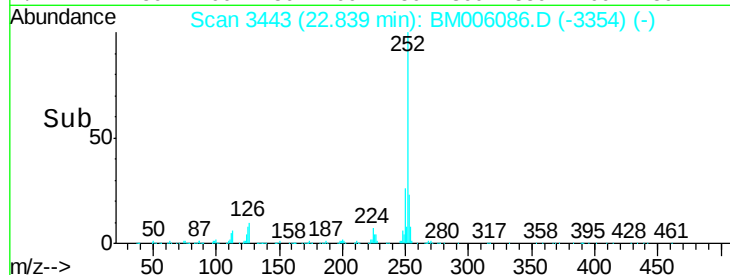
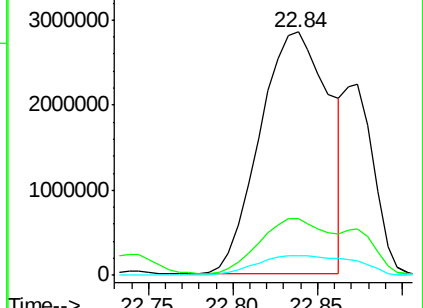
125 8.3 7.8 11.6



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



#36

Benzo(k)fluoranthene

Concen: 86.46 ng/ul

RT: 22.84 min Scan# 3443

Delta R.T. -0.02 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

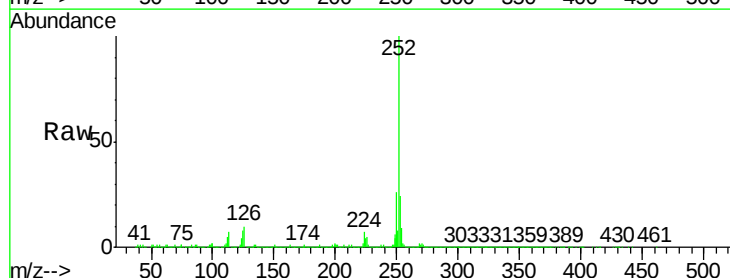
Tgt Ion:252 Resp: 8146898

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

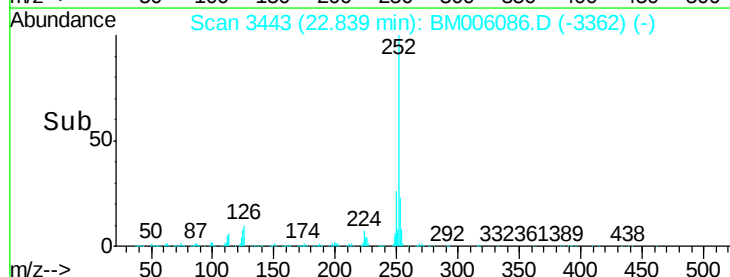
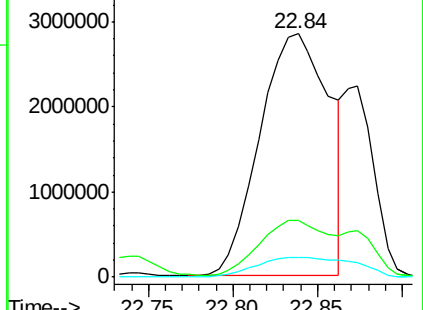
125 8.3 8.1 12.1

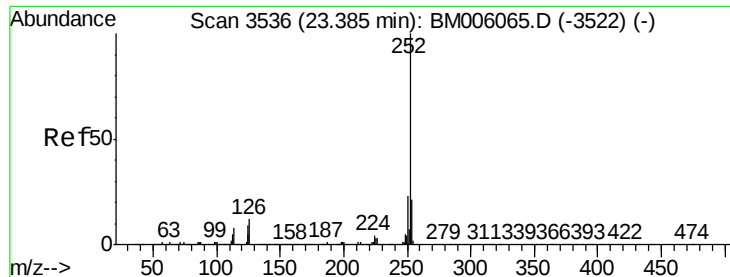


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 42.56 ng/ul

RT: 23.30 min Scan# 3522

Delta R.T. -0.08 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

Instrument :

BNA_M

ClientSampleId :

D9YD4MSD

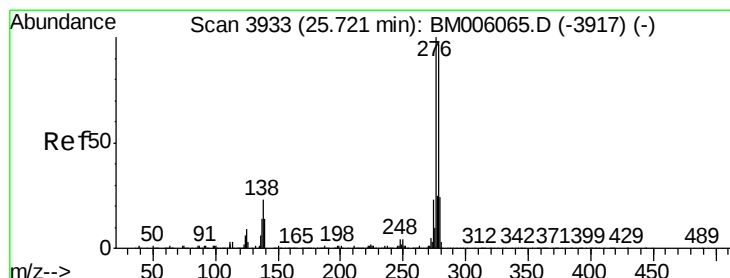
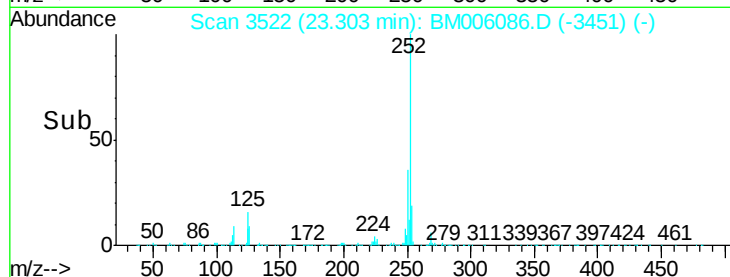
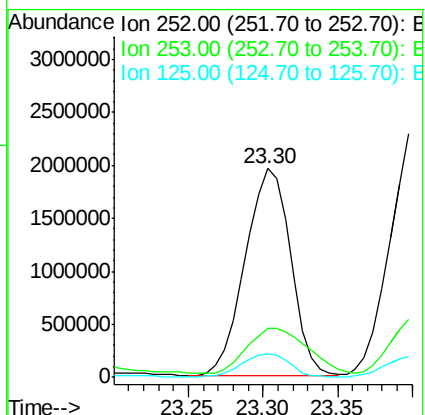
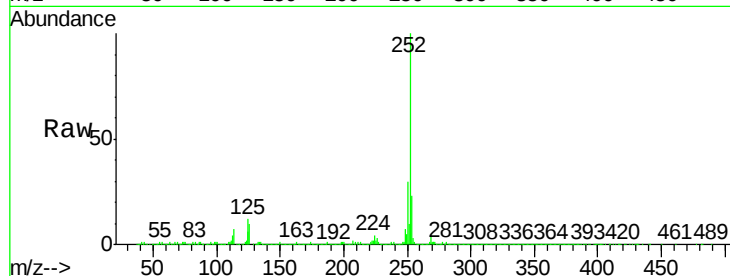
Tgt Ion:252 Resp: 4133238

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 11.6 8.7 13.1



#39

Indeno(1,2,3-cd)pyrene

Concen: 34.32 ng/ul

RT: 25.73 min Scan# 3935

Delta R.T. 0.01 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

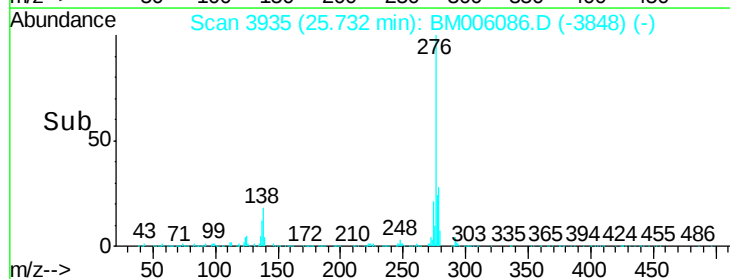
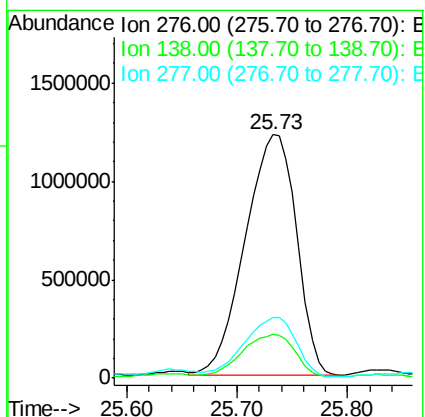
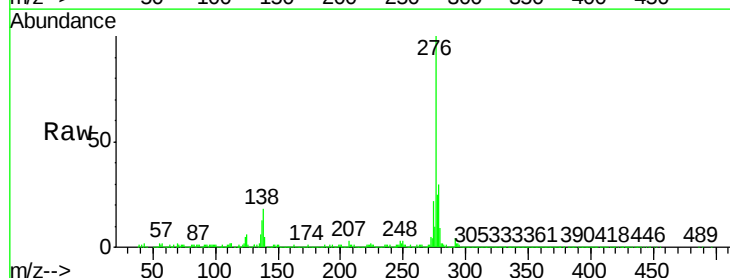
Tgt Ion:276 Resp: 3973216

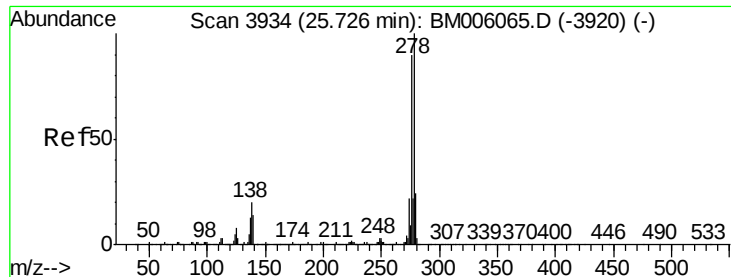
Ion Ratio Lower Upper

276 100

138 18.2 20.4 30.6#

277 24.9 20.6 30.8





#40

Dibenzo(a,h)anthracene

Concen: 9.30 ng/ul

RT: 25.98 min Scan# 3977

Delta R.T. 0.25 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

Instrument :

BNA_M

ClientSampleId :

D9YD4MSD

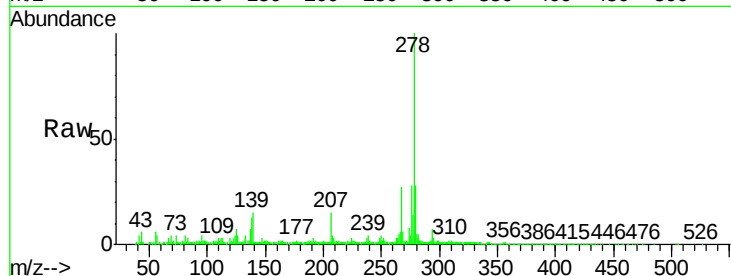
Tgt Ion:278 Resp: 895318

Ion Ratio Lower Upper

278 100

139 14.5 13.0 19.4

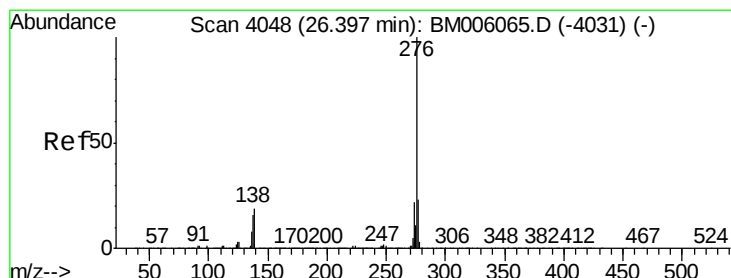
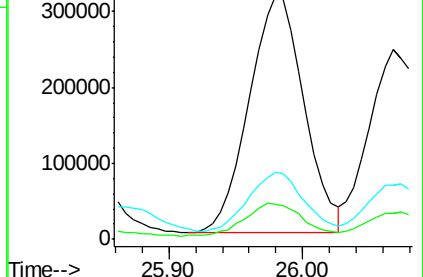
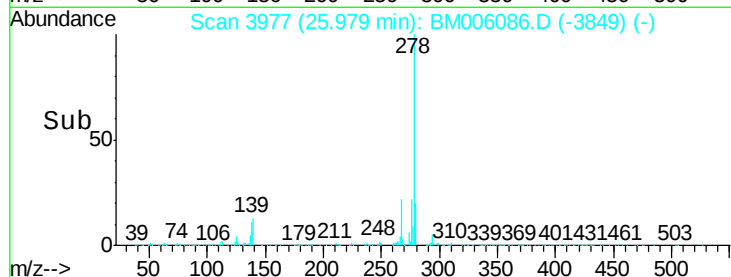
279 27.7 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#41

Benzo(g,h,i)perylene

Concen: 33.56 ng/ul

RT: 26.43 min Scan# 4053

Delta R.T. 0.03 min

Lab File: BM006086.D

Acq: 28 Jun 2016 00:57

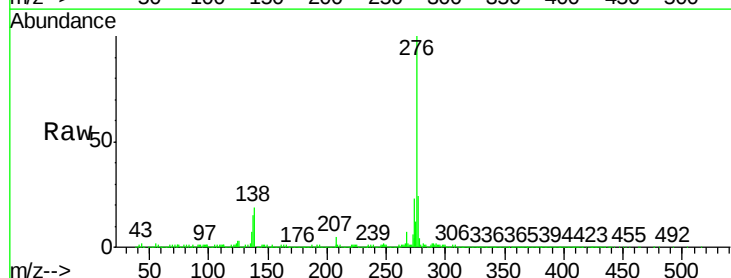
Tgt Ion:276 Resp: 3360873

Ion Ratio Lower Upper

276 100

138 19.1 16.6 25.0

277 24.5 18.9 28.3



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

