

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
 Data File : BM006085.D
 Acq On : 28 Jun 2016 00:21
 Operator : UM/SJ
 Sample : H3779-04MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YD4MS

Quant Time: Jun 28 02:15:02 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	296368	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1505546	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	948150	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	2171246	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	1732976	20.00	ng/ul	0.00
34) Perylene-d12	23.48	264	1636866	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	8397	1.27	ng/uL	0.00
3) Phenol-d5	6.83	99	534865	17.16	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	295036	17.01	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	390712	17.99	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	443650	16.86	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	205638	17.94	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	222106	17.41	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	448278	18.32	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	436517	16.44	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1390160	17.13	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1788740	19.00	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	246892	14.26	ng/ul	0.00
21) Fluorene-d10	15.30	176	1269237	18.31	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	108236	8.98	ng/ul	0.00
26) Anthracene-d10	17.16	188	2008270	20.14	ng/ul	0.00
30) Pyrene-d10	19.46	212	2045317	26.94	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.34	264	1472747	19.93	ng/ul	0.00

Target Compounds

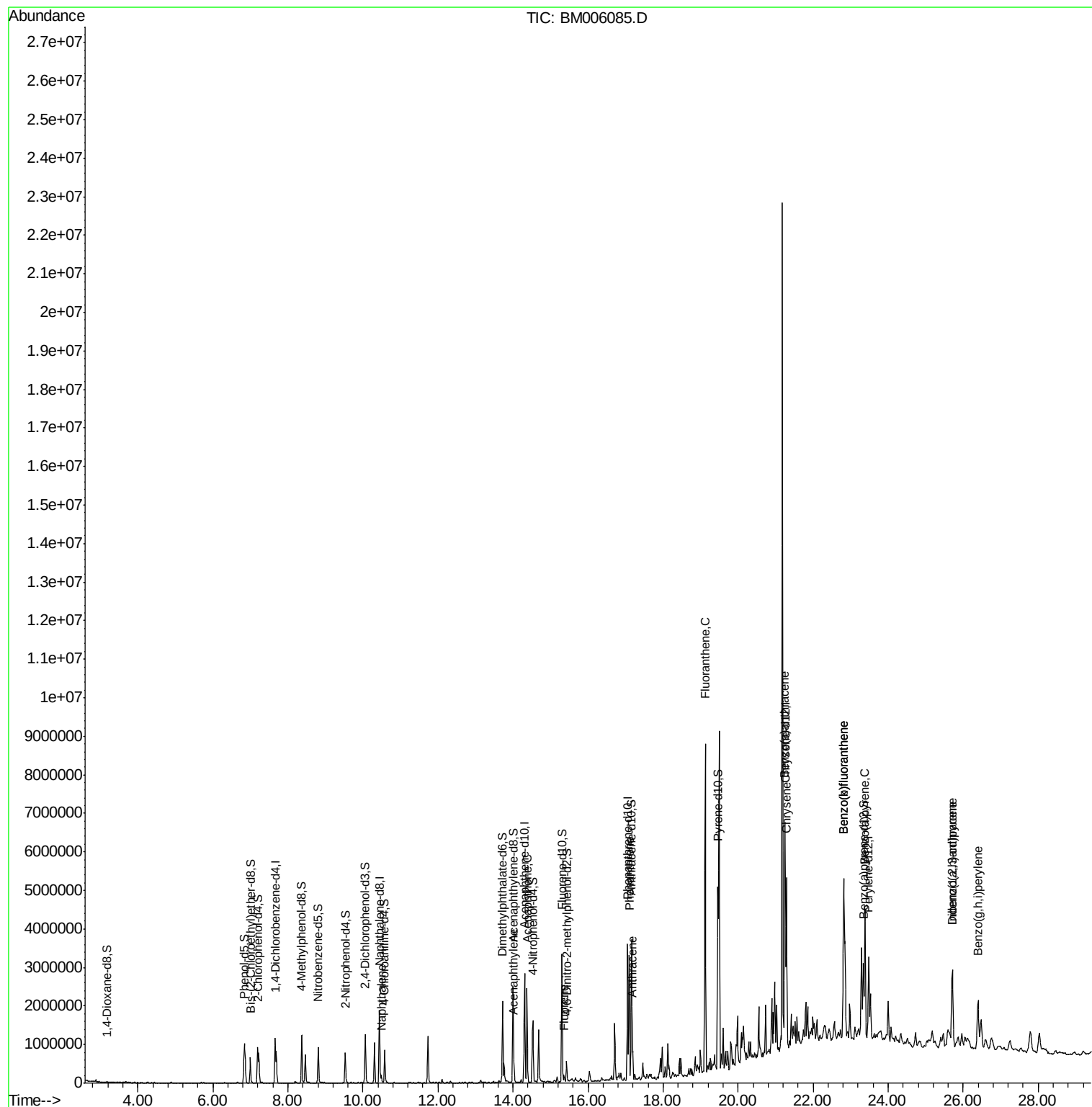
						Qvalue
11) Naphthalene	10.49	128	148343	1.97	ng/ul	99
18) Acenaphthylene	14.03	152	346154	3.49	ng/ul	100
19) Acenaphthene	14.37	153	966773	15.33	ng/ul	99
22) Fluorene	15.36	166	78577	1.03	ng/ul	98
25) Phenanthrene	17.10	178	1901708	16.28	ng/ul	100
27) Anthracene	17.19	178	596091	4.94	ng/ul	99
28) Fluoranthene	19.13	202	5438846	36.36	ng/ul	97
32) Benzo(a)anthracene	21.24	228	2738681	26.60	ng/ul	96
33) Chrysene	21.29	228	2726079	28.99	ng/ul	98
35) Benzo(b)fluoranthene	22.82	252	3721862	39.13	ng/ul	97
36) Benzo(k)fluoranthene	22.82	252	3721862	42.07	ng/ul	98
38) Benzo(a)pyrene	23.39	252	2442645	26.79	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.71	276	1921998	17.68	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.71	278	523050	5.79	ng/ul	93
41) Benzo(g,h,i)perylene	26.39	276	1599451	17.01	ng/ul	97

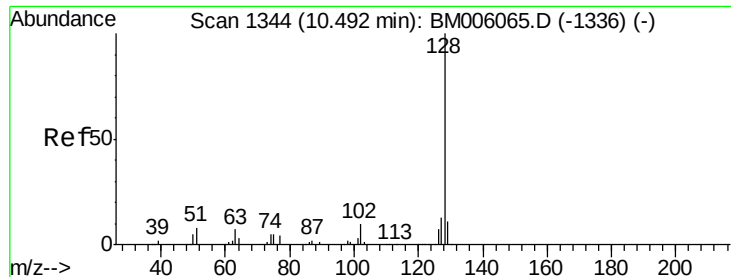
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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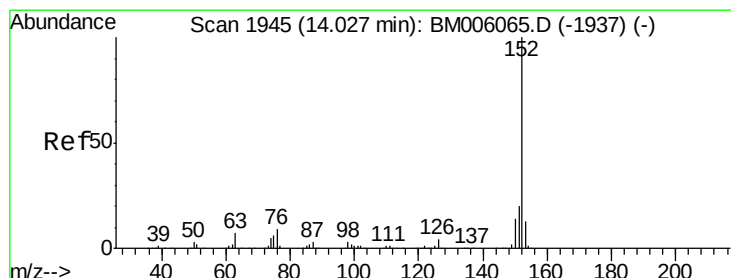
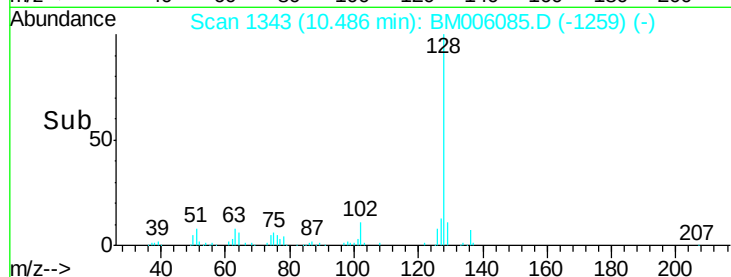
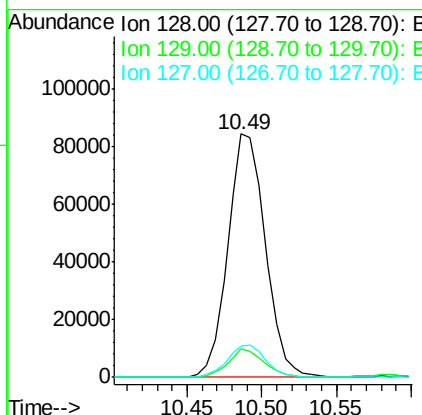
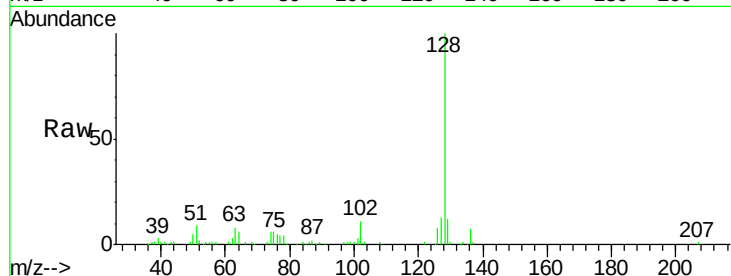




#11
Naphthalene
Concen: 1.97 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BM006085.D
Acq: 28 Jun 2016 00:21

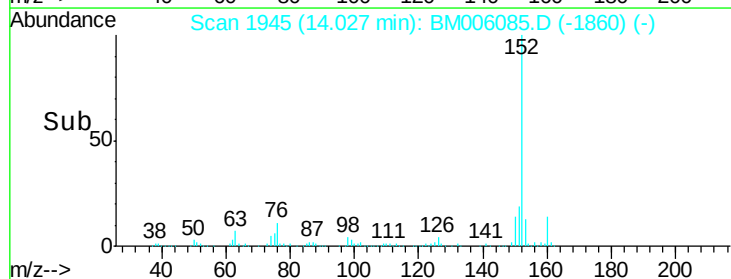
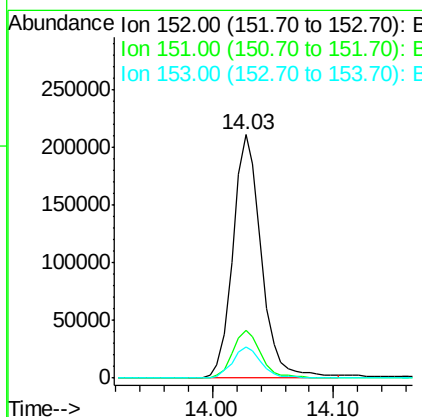
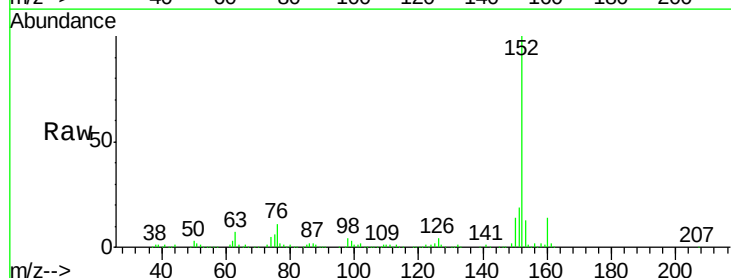
Instrument :
BNA_M
ClientSampleId :
D9YD4MS

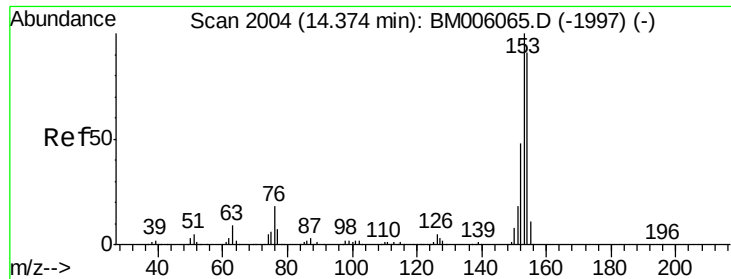
Tgt Ion:128 Resp: 148343
Ion Ratio Lower Upper
128 100
129 11.6 8.9 13.3
127 12.8 10.5 15.7



#18
Acenaphthylene
Concen: 3.49 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: BM006085.D
Acq: 28 Jun 2016 00:21

Tgt Ion:152 Resp: 346154
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.6
153 12.9 10.3 15.5





#19

Acenaphthene

Concen: 15.33 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

Instrument :

BNA_M

ClientSampleId :

D9YD4MS

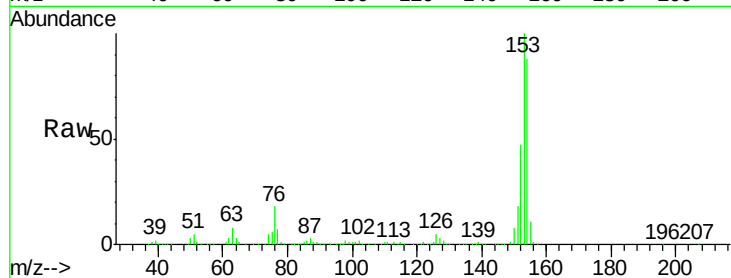
Tgt Ion:153 Resp: 966773

Ion Ratio Lower Upper

153 100

152 46.7 38.1 57.1

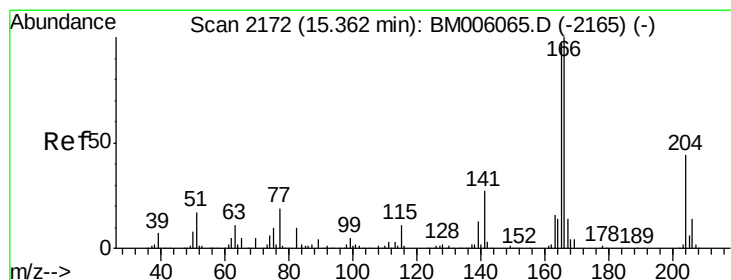
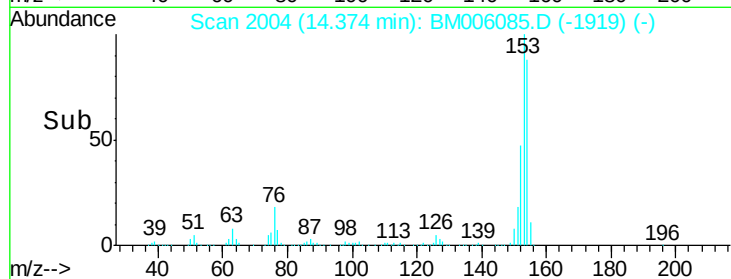
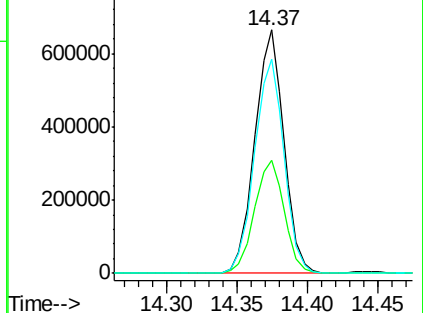
154 88.1 71.6 107.4



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: 1.03 ng/ul

RT: 15.36 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

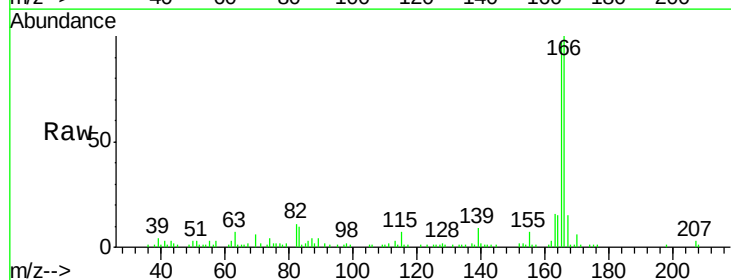
Tgt Ion:166 Resp: 78577

Ion Ratio Lower Upper

166 100

165 96.7 78.4 117.6

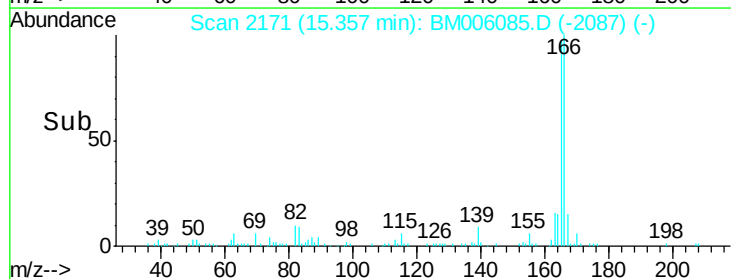
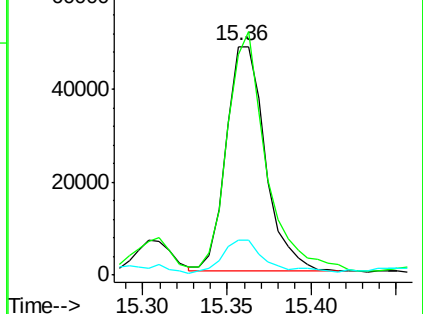
167 15.3 10.6 16.0

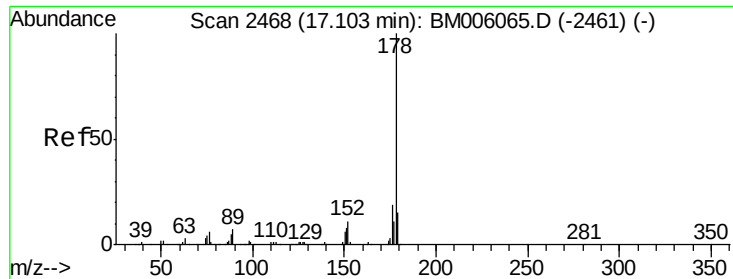


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 16.28 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

Instrument :

BNA_M

ClientSampleId :

D9YD4MS

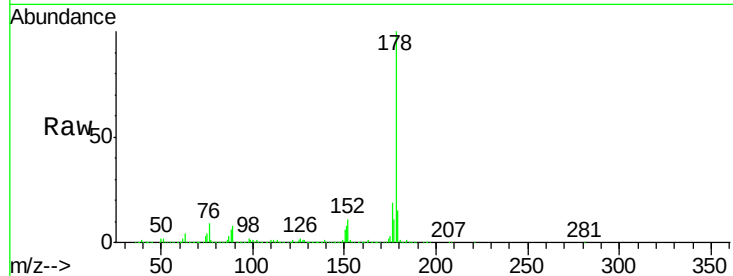
Tgt Ion:178 Resp: 1901708

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

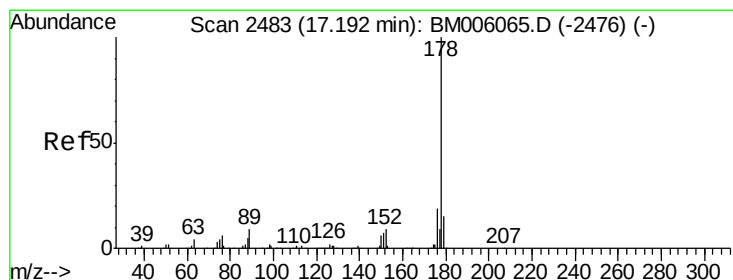
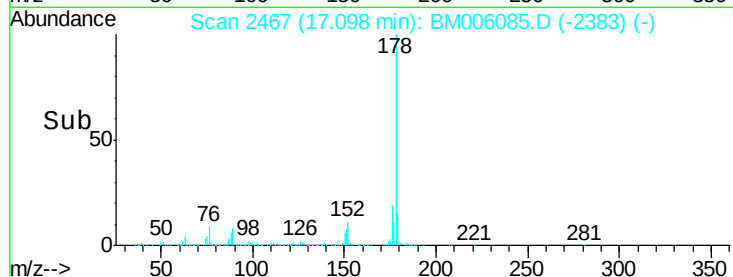
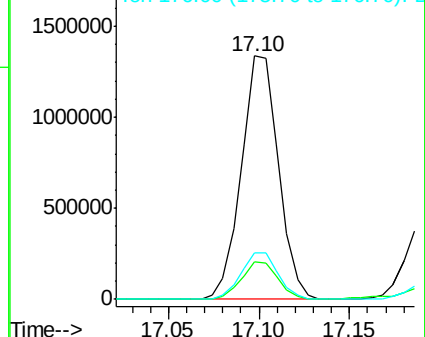
176 19.1 15.3 22.9



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: 4.94 ng/ul

RT: 17.19 min Scan# 2483

Delta R.T. 0.00 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

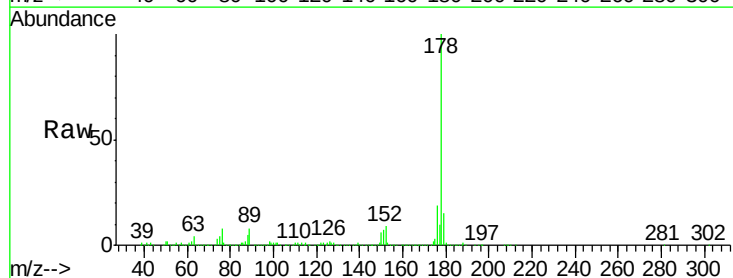
Tgt Ion:178 Resp: 596091

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

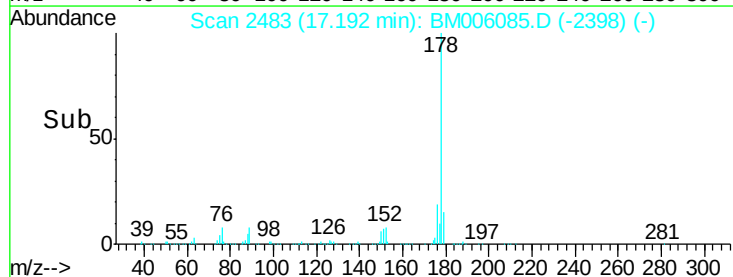
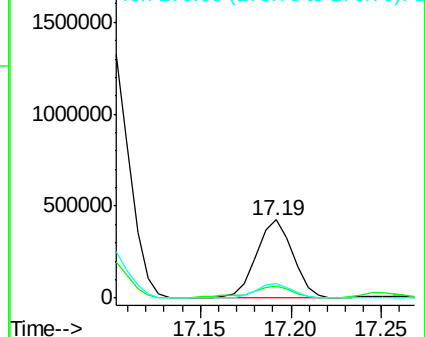
176 18.6 14.6 22.0

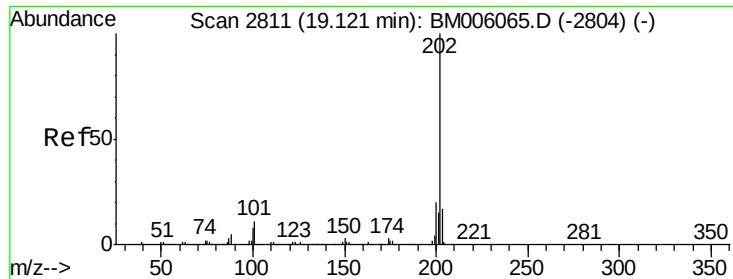


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 36.36 ng/ul

RT: 19.13 min Scan# 2812

Delta R.T. 0.01 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

Instrument :

BNA_M

ClientSampleId :

D9YD4MS

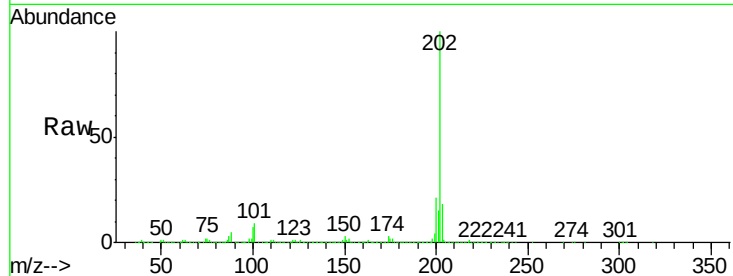
Tgt Ion:202 Resp: 5438846

Ion Ratio Lower Upper

202 100

101 9.3 8.5 12.7

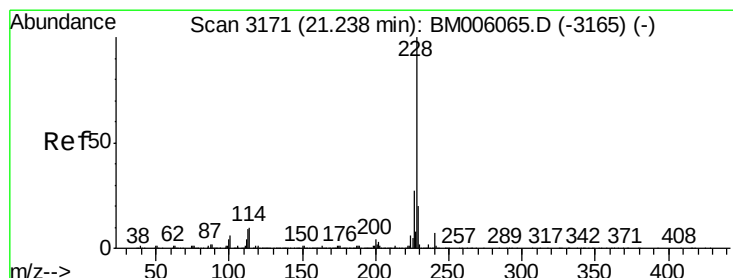
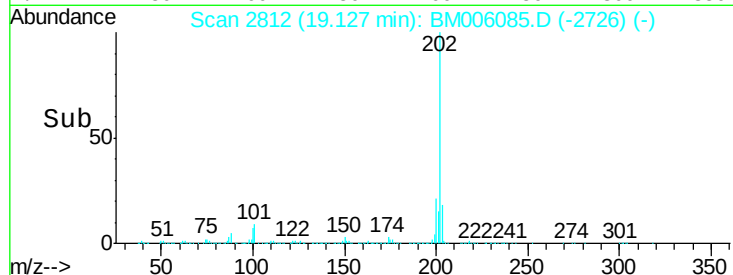
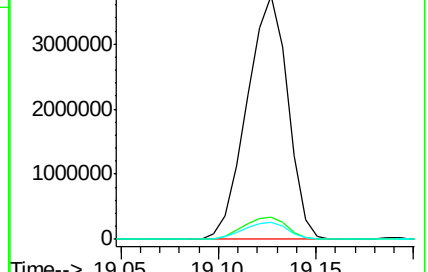
100 6.9 6.5 9.7



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



#32

Benzo(a)anthracene

Concen: 26.60 ng/ul

RT: 21.24 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

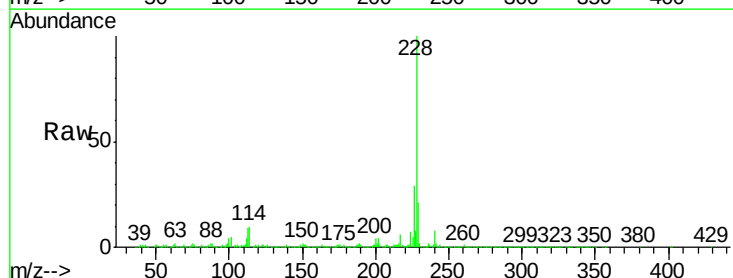
Tgt Ion:228 Resp: 2738681

Ion Ratio Lower Upper

228 100

229 20.9 15.6 23.4

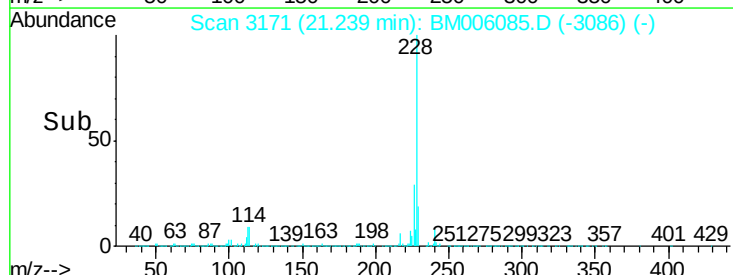
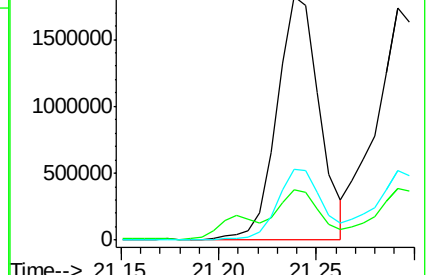
226 29.0 21.6 32.4

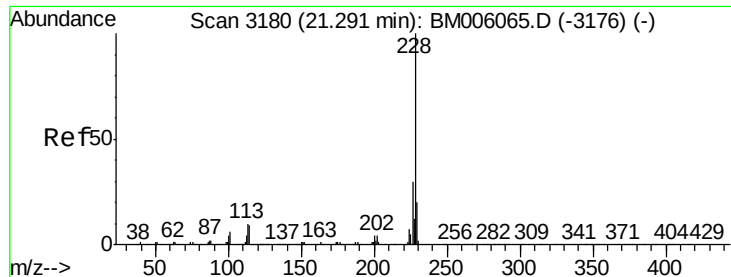


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 28.99 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BM006085.D

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Instrument :

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ClientSampleId :

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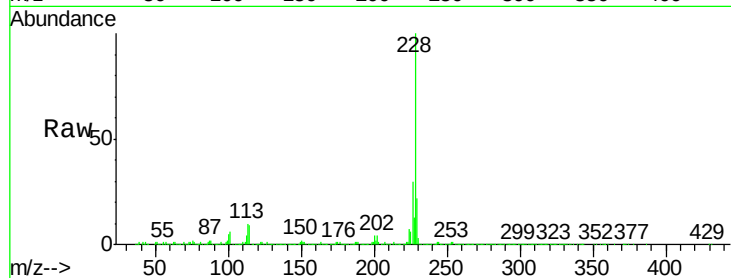
Tgt Ion:228 Resp: 2726079

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.6

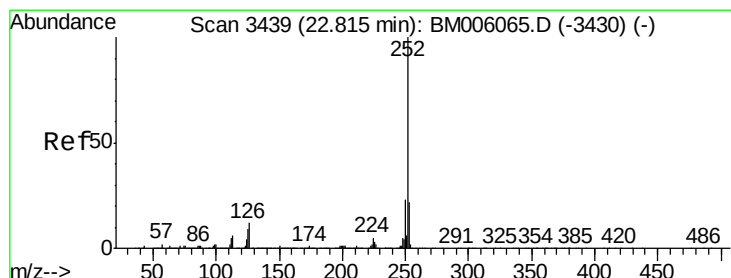
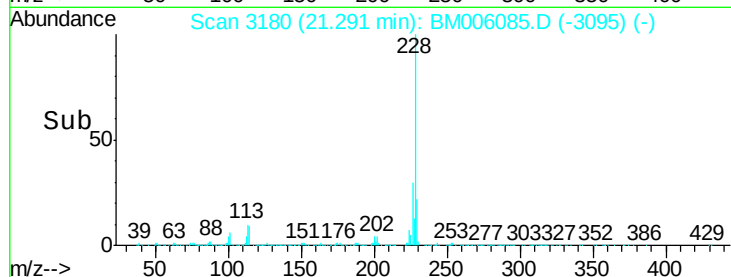
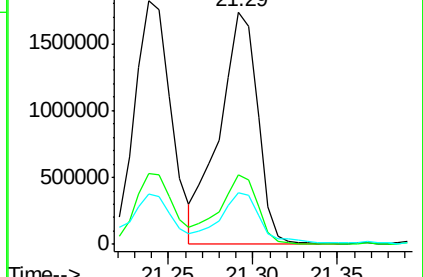
229 22.3 15.8 23.6



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: 39.13 ng/ul

RT: 22.82 min Scan# 3440

Delta R.T. 0.01 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

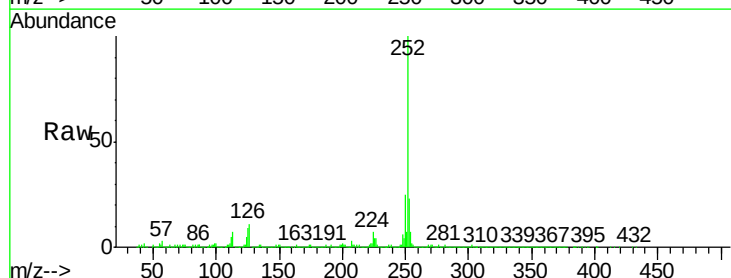
Tgt Ion:252 Resp: 3721862

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

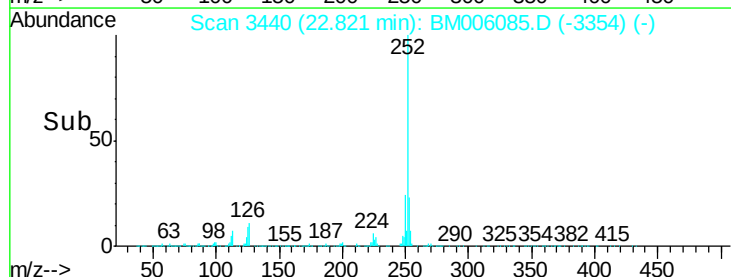
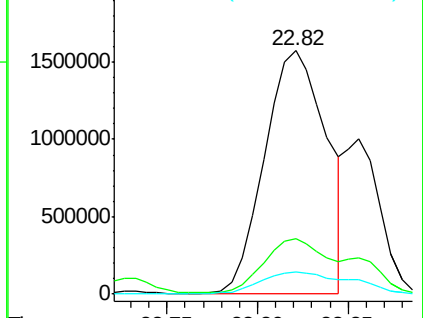
125 9.1 7.8 11.6

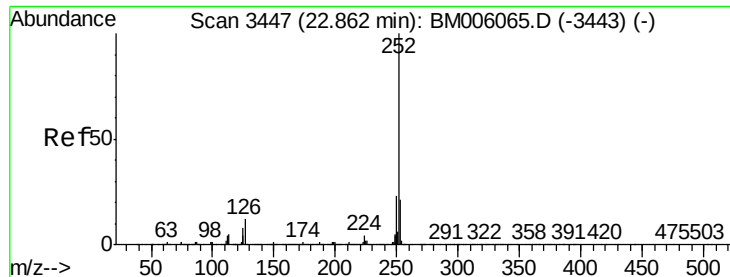


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

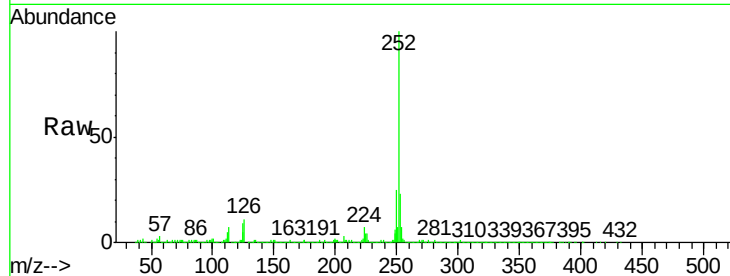




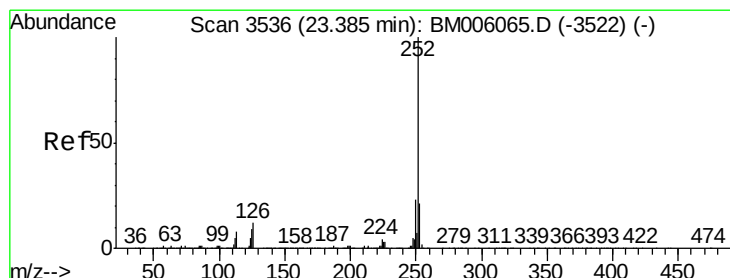
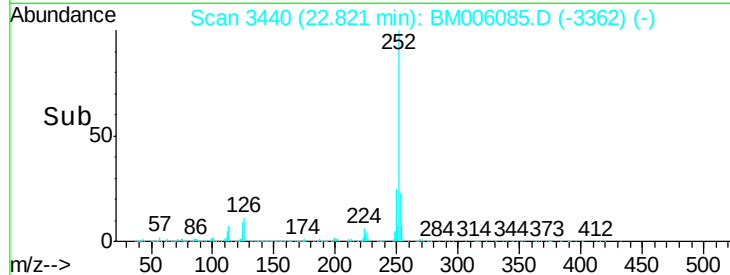
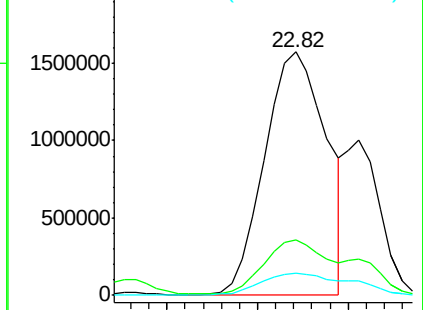
#36
Benzo(k)fluoranthene
Concen: 42.07 ng/ul
RT: 22.82 min Scan# 3440
Delta R.T. -0.04 min
Lab File: BM006085.D
Acq: 28 Jun 2016 00:21

Instrument :
BNA_M
ClientSampleId :
D9YD4MS

Tgt Ion:252 Resp: 3721862
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 9.1 8.1 12.1

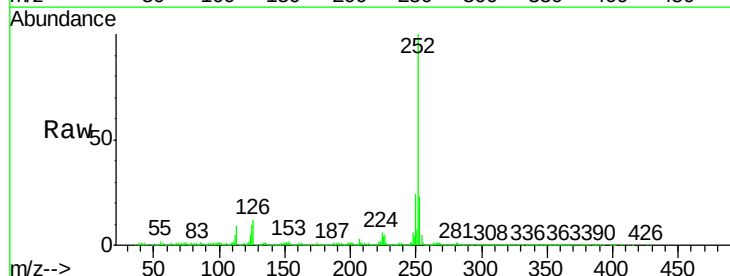


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

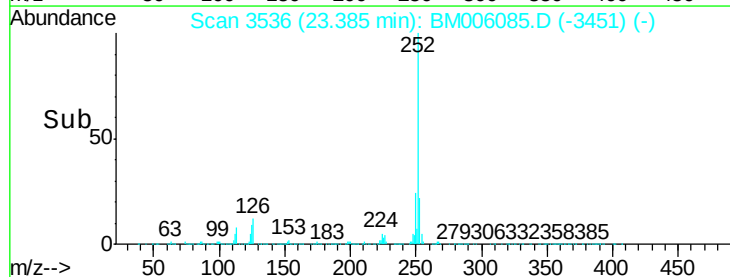
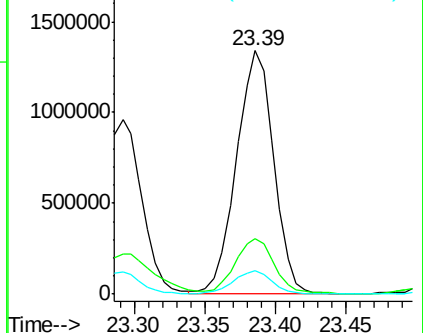


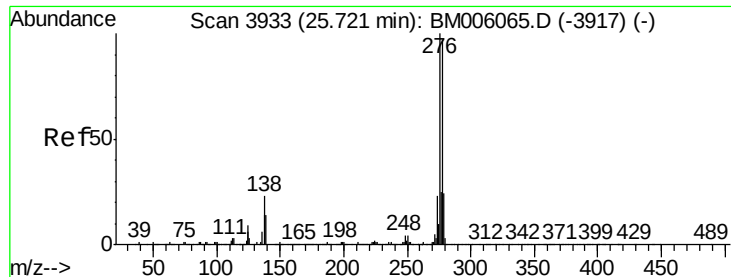
#38
Benzo(a)pyrene
Concen: 26.79 ng/ul
RT: 23.39 min Scan# 3536
Delta R.T. 0.00 min
Lab File: BM006085.D
Acq: 28 Jun 2016 00:21

Tgt Ion:252 Resp: 2442645
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 9.6 8.7 13.1



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





#39

Indeno(1,2,3-cd)pyrene

Concen: 17.68 ng/ul

RT: 25.71 min Scan# 3931

Delta R.T. -0.01 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

Instrument :

BNA_M

ClientSampleId :

D9YD4MS

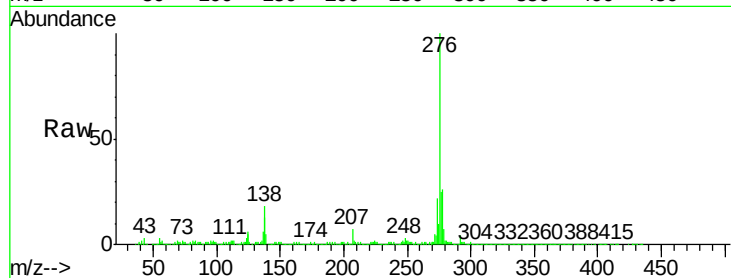
Tgt Ion:276 Resp: 1921998

Ion Ratio Lower Upper

276 100

138 18.2 20.4 30.6#

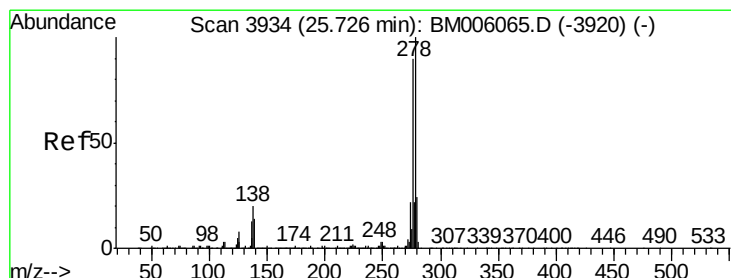
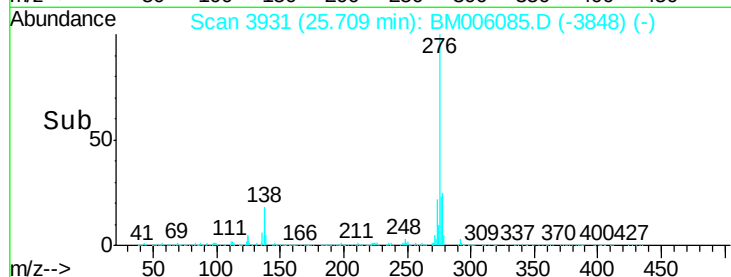
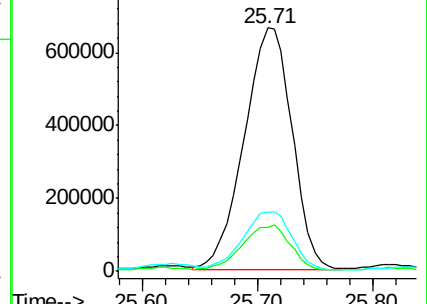
277 24.5 20.6 30.8



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



#40

Dibenzo(a,h)anthracene

Concen: 5.79 ng/ul

RT: 25.71 min Scan# 3932

Delta R.T. -0.01 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

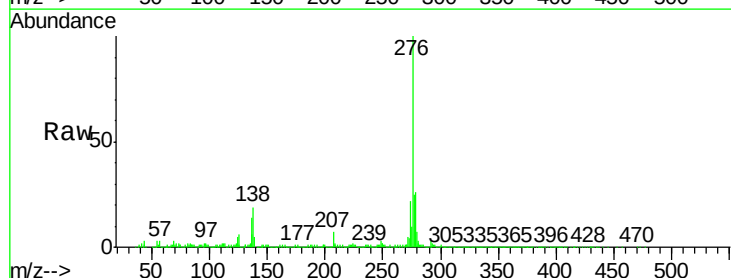
Tgt Ion:278 Resp: 523050

Ion Ratio Lower Upper

278 100

139 17.8 13.0 19.4

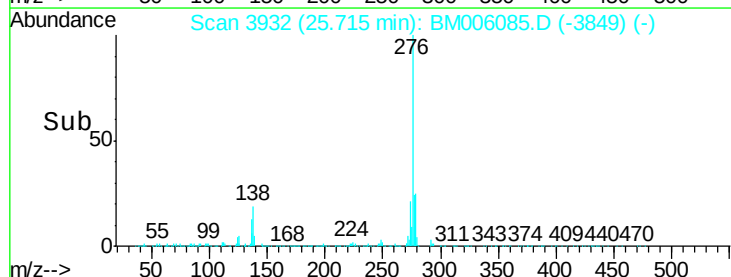
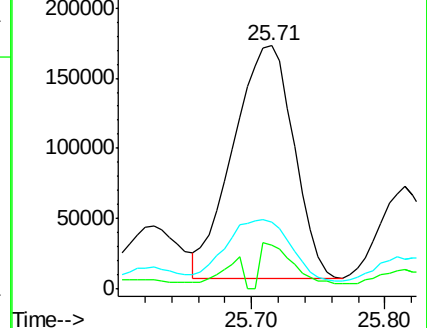
279 27.7 18.8 28.2

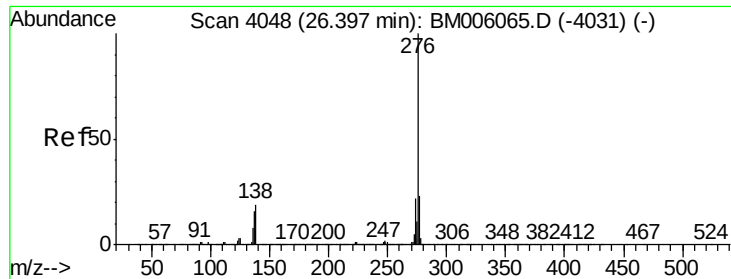


Abundance Ion 278.00 (277.70 to 278.70): E

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: 17.01 ng/ul

RT: 26.39 min Scan# 4047

Delta R.T. -0.01 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

Instrument :

BNA_M

ClientSampleId :

D9YD4MS

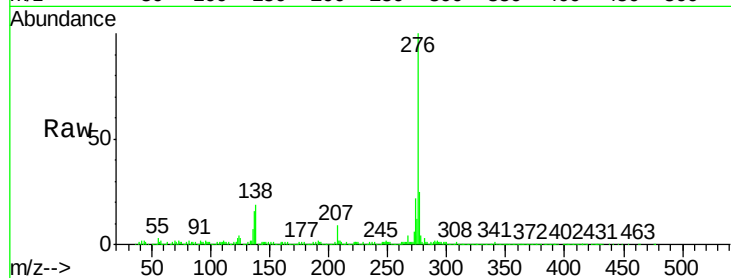
Tgt Ion:276 Resp: 1599451

Ion Ratio Lower Upper

276 100

138 18.7 16.6 25.0

277 24.7 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

