

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM063016\
 Data File : BM006165.D
 Acq On : 30 Jun 2016 19:48
 Operator : UM/SJ
 Sample : H3780-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YF4

Quant Time: Jul 01 00:58:59 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	213824	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	843296	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	415615	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	869790	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	868570	20.00	ng/ul	0.00
34) Perylene-d12	23.48	264	1007708	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	9024	1.96	ng/uL	0.00
3) Phenol-d5	6.83	99	368949	21.12	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	226653	22.01	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	285380	21.28	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	279708	19.90	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	134048	23.60	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	146282	22.50	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	252373	21.28	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	199184	21.25	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	692892	23.26	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	883023	24.42	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	128523	22.74	ng/ul	0.01
21) Fluorene-d10	15.30	176	592660	23.31	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	78430	25.46	ng/ul	0.00
26) Anthracene-d10	17.16	188	892681	25.58	ng/ul	0.00
30) Pyrene-d10	19.46	212	927523	26.52	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.34	264	1022817	25.51	ng/ul	0.02

Target Compounds

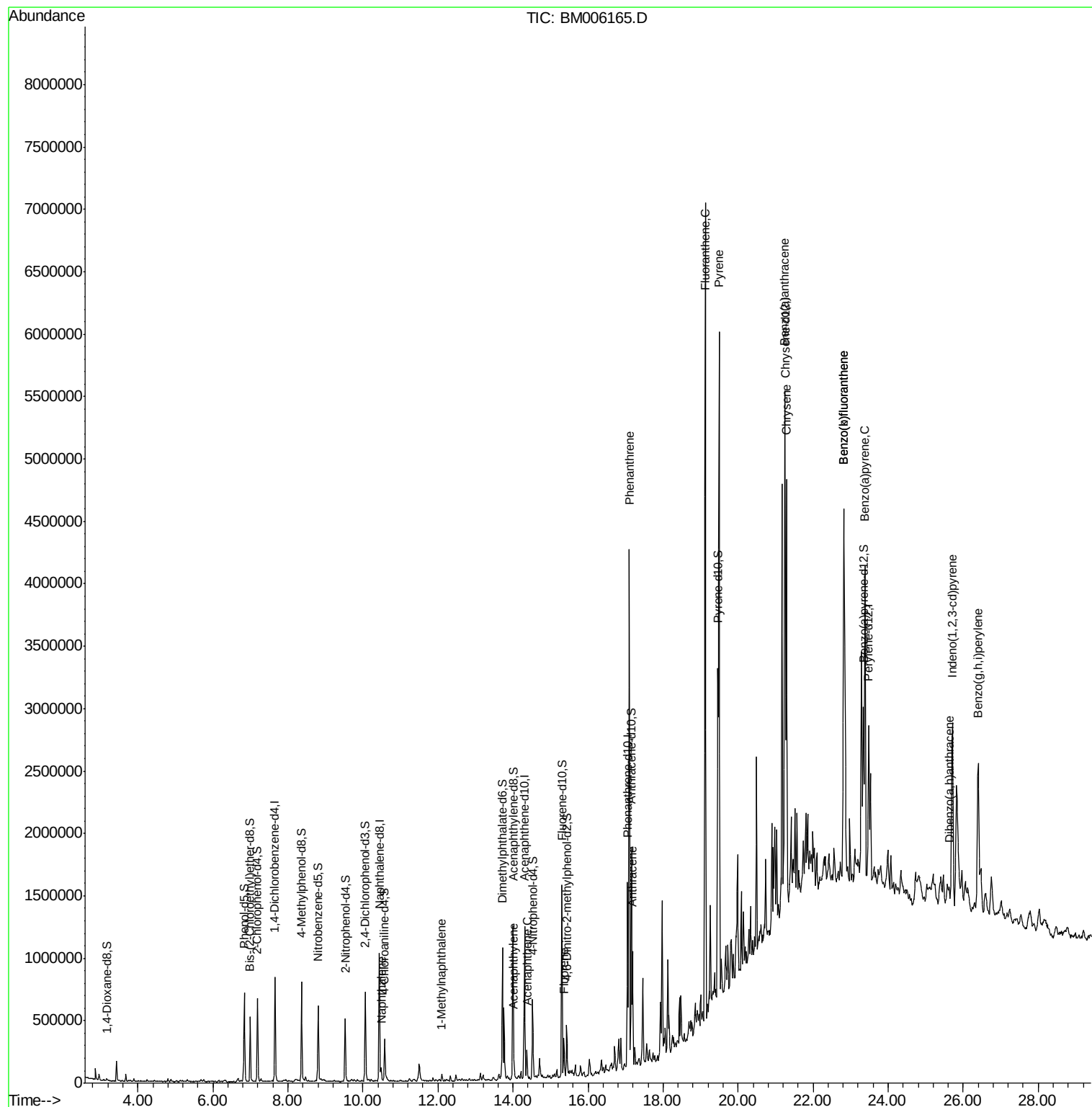
						Qvalue
11) Naphthalene	10.49	128	76611	2.08	ng/ul	97
14) 1-Methylnaphthalene	12.10	142	27386	1.03	ng/ul	91
18) Acenaphthylene	14.03	152	83993	2.22	ng/ul	97
19) Acenaphthene	14.37	153	91867	3.80	ng/ul	97
22) Fluorene	15.36	166	135266	4.92	ng/ul	96
25) Phenanthrene	17.10	178	2663466	64.71	ng/ul	100
27) Anthracene	17.19	178	566353	13.39	ng/ul	98
28) Fluoranthene	19.13	202	4362526	86.54	ng/ul	97
31) Pyrene	19.49	202	3585199	78.26	ng/ul#	94
32) Benzo(a)anthracene	21.24	228	1954028	43.26	ng/ul	97
33) Chrysene	21.29	228	2015952	48.48	ng/ul	97
35) Benzo(b)fluoranthene	22.81	252	2846396	54.43	ng/ul	98
36) Benzo(k)fluoranthene	22.81	252	2846396	58.02	ng/ul	98
38) Benzo(a)pyrene	23.39	252	1929076	39.04	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.71	276	1517467	29.55	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.63	278	65255	1.54	ng/ul	93
41) Benzo(g,h,i)perylene	26.40	276	1453882	33.82	ng/ul	98

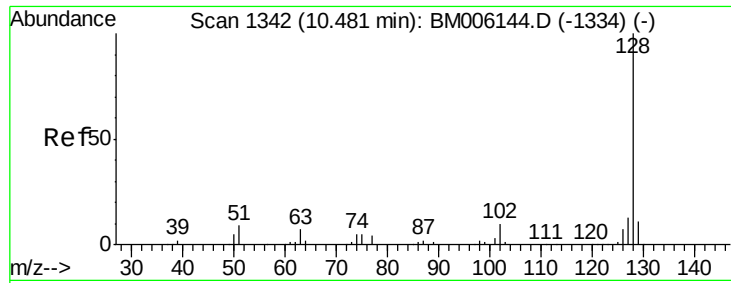
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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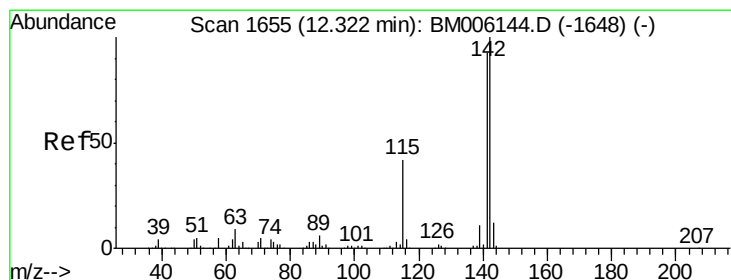
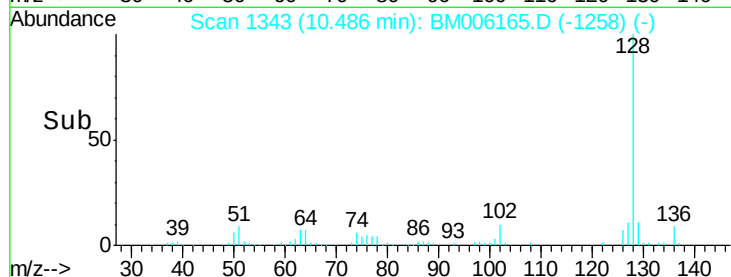
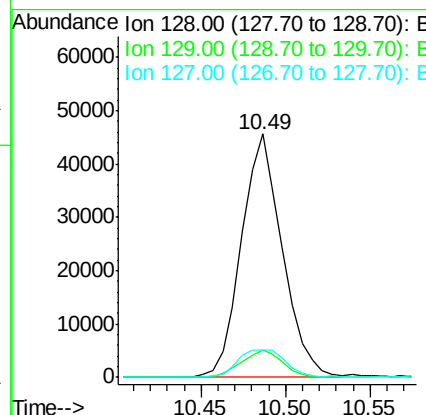
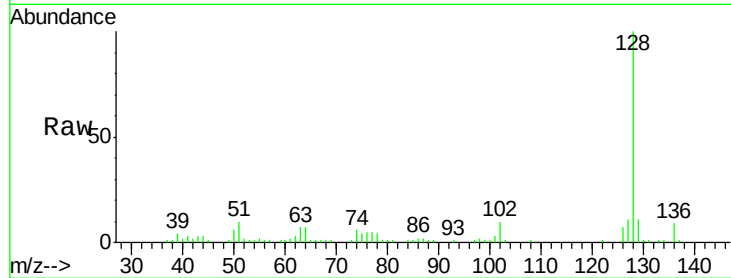




#11
Naphthalene
Concen: 2.08 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006165.D
Acq: 30 Jun 2016 19:48

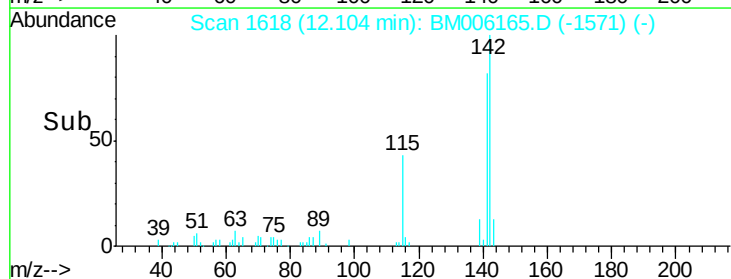
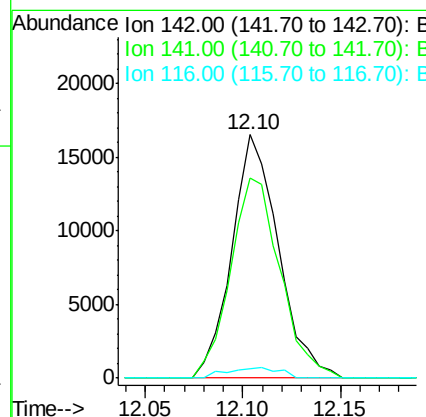
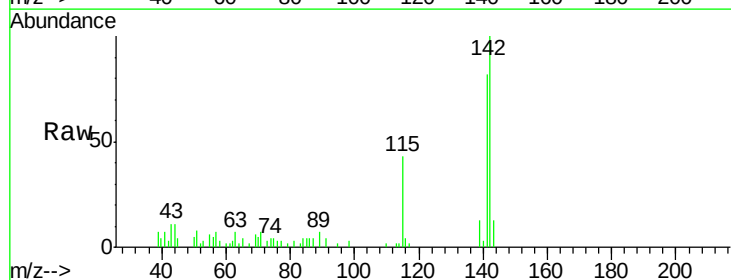
Instrument :
BNA_M
ClientSampleId :
D9YF4

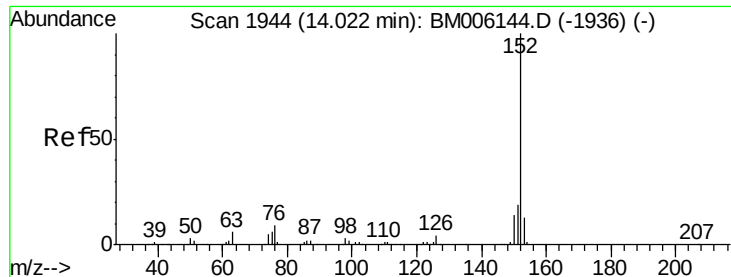
Tgt Ion:128 Resp: 76611
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 11.1 10.5 15.7



#14
1-Methylnaphthalene
Concen: 1.03 ng/ul
RT: 12.10 min Scan# 1618
Delta R.T. -0.22 min
Lab File: BM006165.D
Acq: 30 Jun 2016 19:48

Tgt Ion:142 Resp: 27386
Ion Ratio Lower Upper
142 100
141 82.0 73.0 109.4
116 3.8 3.0 4.6

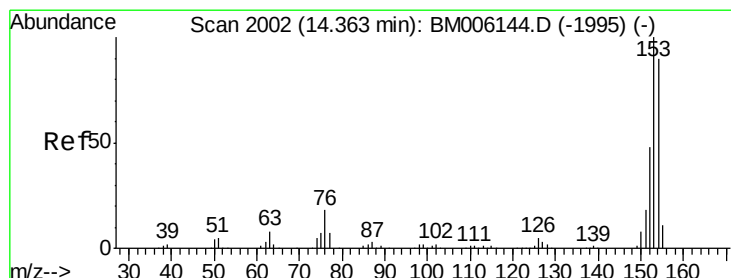
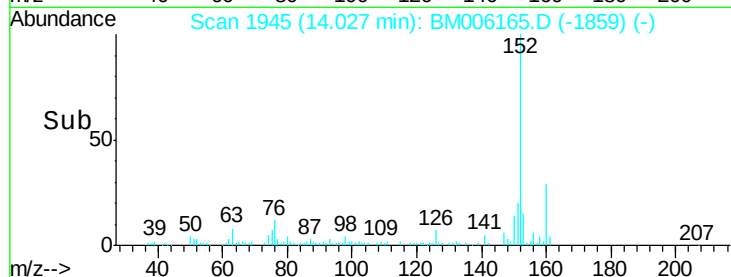
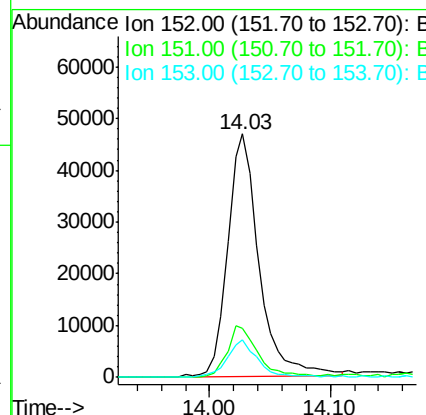
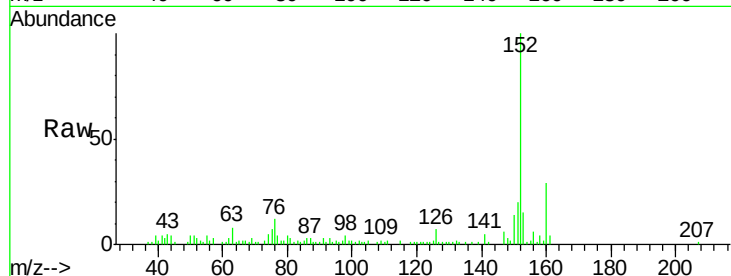




#18
Acenaphthylene
Concen: 2.22 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.01 min
Lab File: BM006165.D
Acq: 30 Jun 2016 19:48

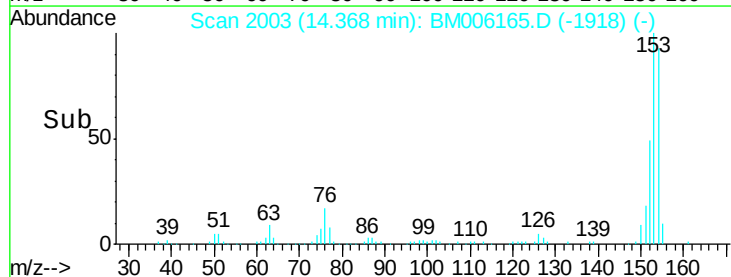
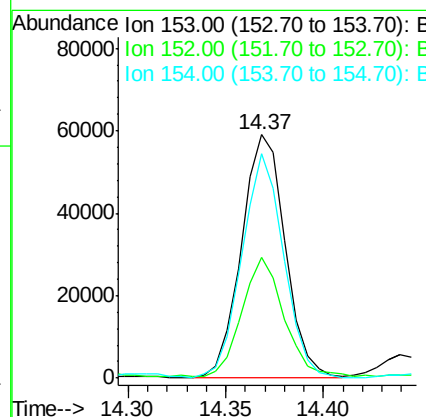
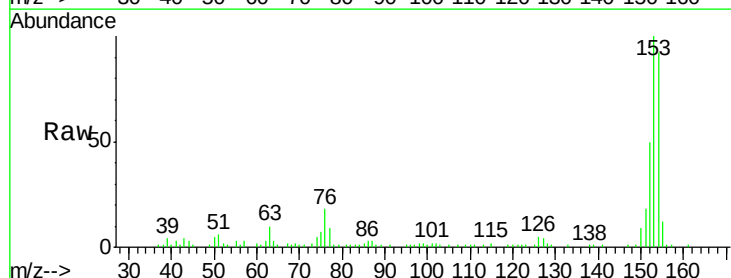
Instrument :
BNA_M
ClientSampleId :
D9YF4

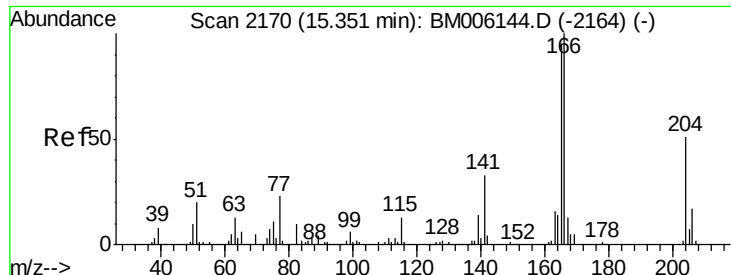
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	15.2	10.3	15.5



#19
Acenaphthene
Concen: 3.80 ng/ul
RT: 14.37 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BM006165.D
Acq: 30 Jun 2016 19:48

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.7	38.1	57.1
154	92.3	71.6	107.4

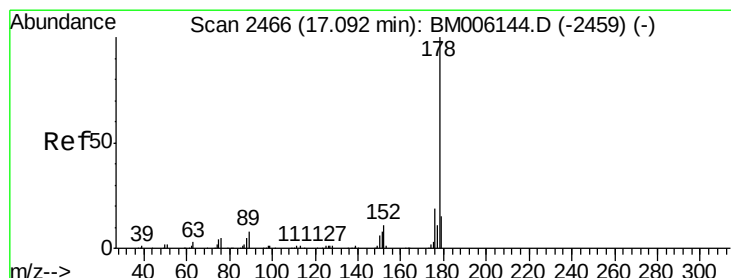
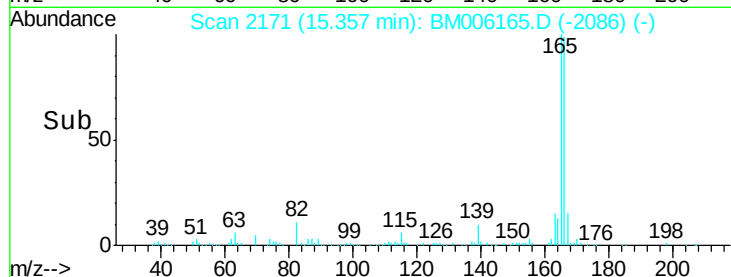
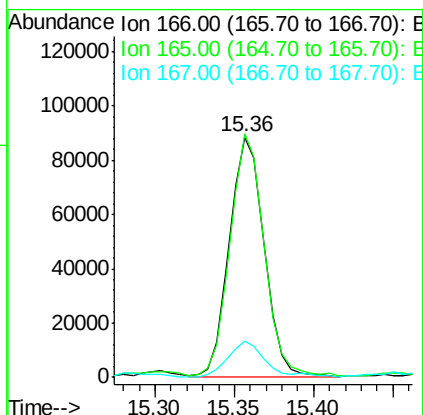
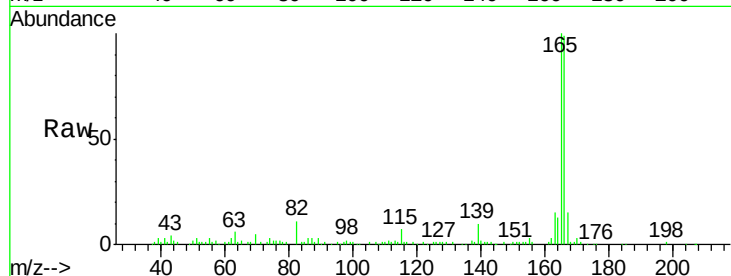




#22
 Fluorene
 Concen: 4.92 ng/ul
 RT: 15.36 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: BM006165.D
 Acq: 30 Jun 2016 19:48

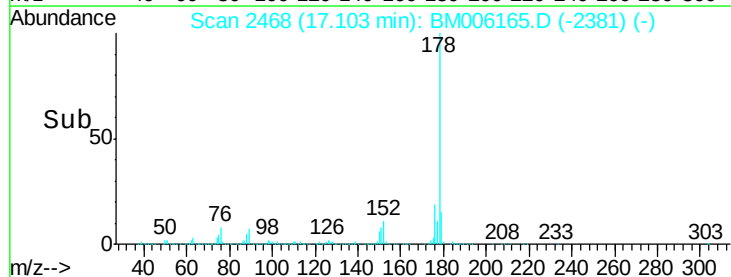
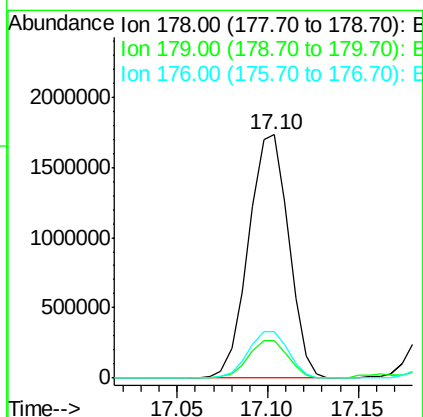
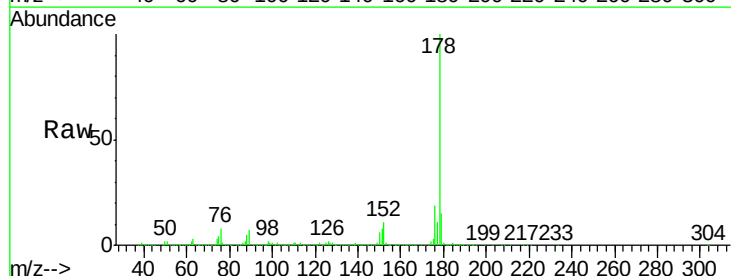
Instrument :
 BNA_M
 ClientSampleId :
 D9YF4

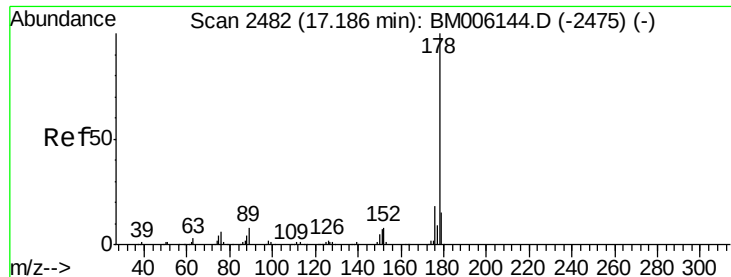
Tgt Ion:166 Resp: 135266
 Ion Ratio Lower Upper
 166 100
 165 101.5 78.4 117.6
 167 15.0 10.6 16.0



#25
 Phenanthrene
 Concen: 64.71 ng/ul
 RT: 17.10 min Scan# 2468
 Delta R.T. 0.01 min
 Lab File: BM006165.D
 Acq: 30 Jun 2016 19:48

Tgt Ion:178 Resp: 2663466
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.2 18.2
 176 19.2 15.3 22.9





#27

Anthracene

Concen: 13.39 ng/ul

RT: 17.19 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BM006165.D

Acq: 30 Jun 2016 19:48

Instrument :

BNA_M

ClientSampleId :

D9YF4

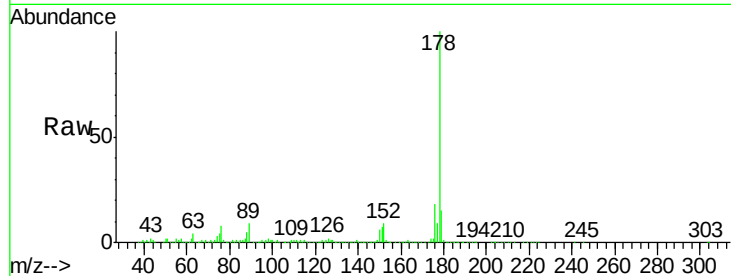
Tgt Ion:178 Resp: 566353

Ion Ratio Lower Upper

178 100

179 14.7 12.3 18.5

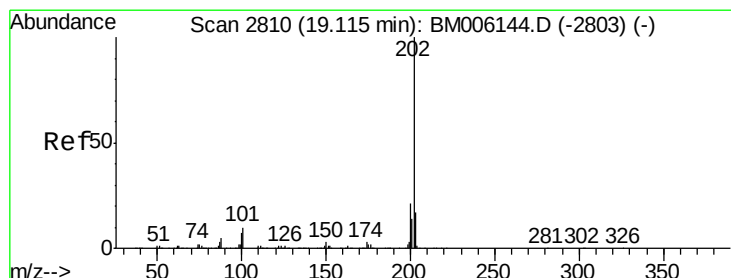
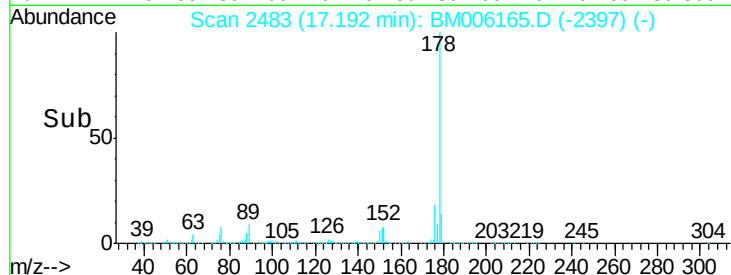
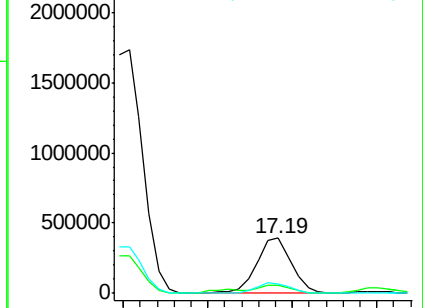
176 17.7 14.6 22.0



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: 86.54 ng/ul

RT: 19.13 min Scan# 2812

Delta R.T. 0.01 min

Lab File: BM006165.D

Acq: 30 Jun 2016 19:48

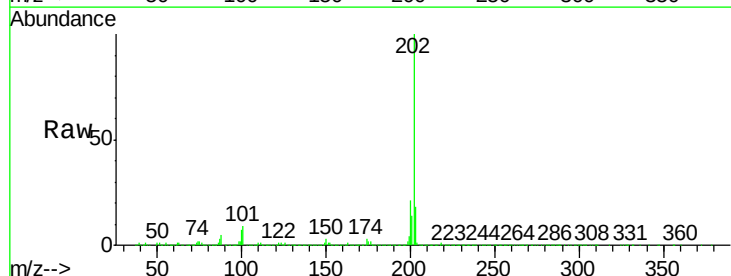
Tgt Ion:202 Resp: 4362526

Ion Ratio Lower Upper

202 100

101 9.4 8.5 12.7

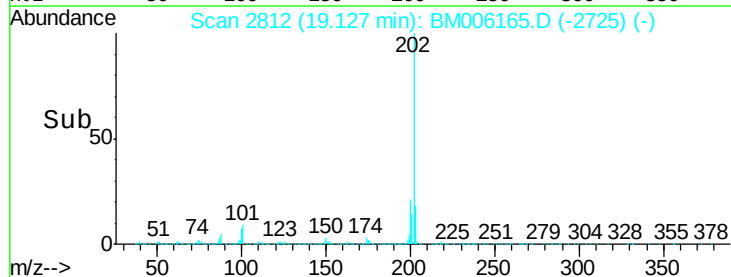
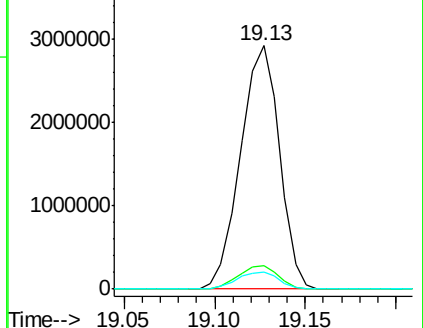
100 6.8 6.5 9.7

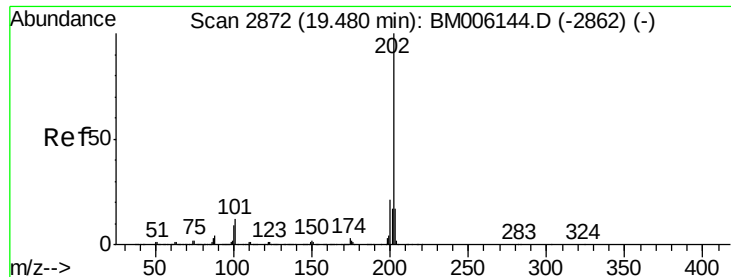


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

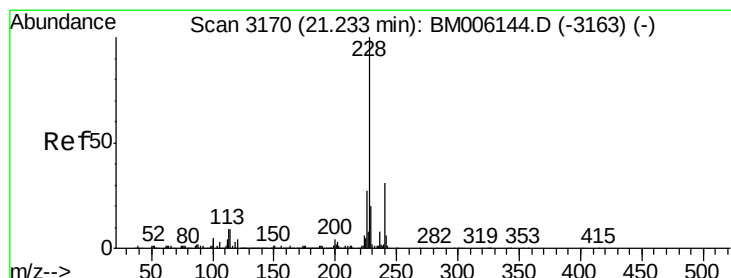
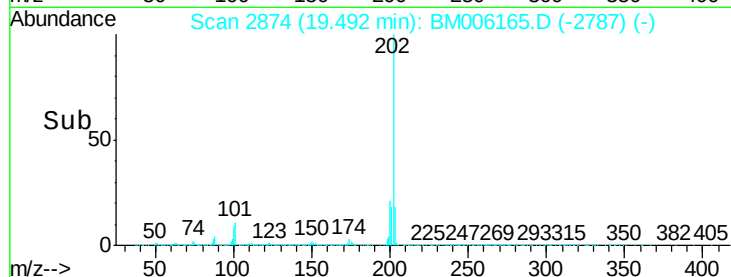
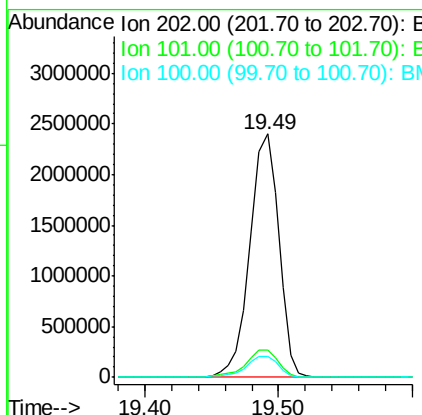
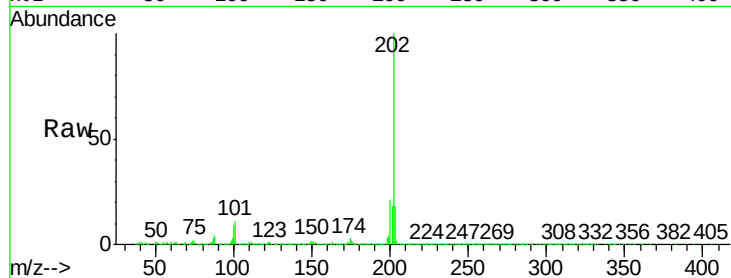




#31
 Pyrene
 Concen: 78.26 ng/ul
 RT: 19.49 min Scan# 2874
 Delta R.T. 0.01 min
 Lab File: BM006165.D
 Acq: 30 Jun 2016 19:48

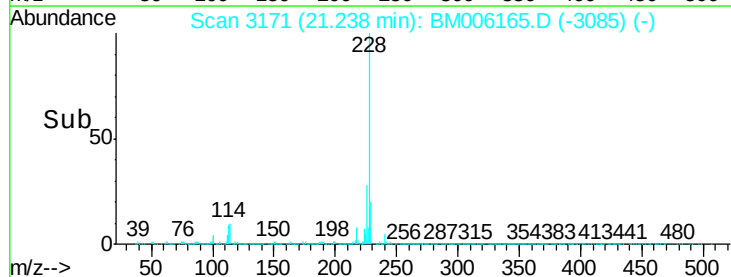
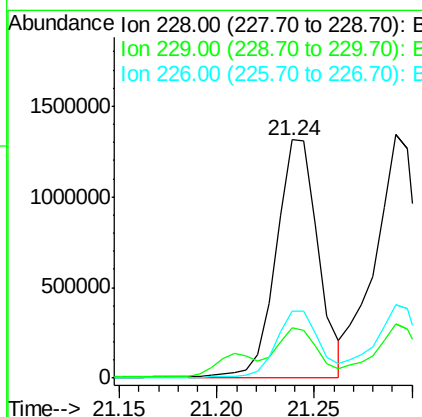
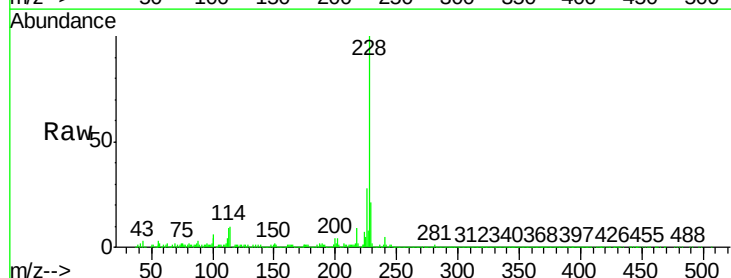
Instrument :
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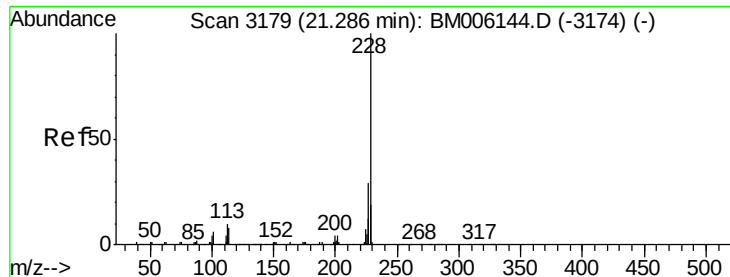
Tgt Ion:202 Resp: 3585199
 Ion Ratio Lower Upper
 202 100
 101 11.4 11.0 16.4
 100 8.8 8.9 13.3#



#32
 Benzo(a)anthracene
 Concen: 43.26 ng/ul
 RT: 21.24 min Scan# 3171
 Delta R.T. 0.01 min
 Lab File: BM006165.D
 Acq: 30 Jun 2016 19:48

Tgt Ion:228 Resp: 1954028
 Ion Ratio Lower Upper
 228 100
 229 21.1 15.6 23.4
 226 28.3 21.6 32.4





#33

Chrysene

Concen: 48.48 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.01 min

Lab File: BM006165.D

Acq: 30 Jun 2016 19:48

Instrument :

BNA_M

ClientSampleId :

D9YF4

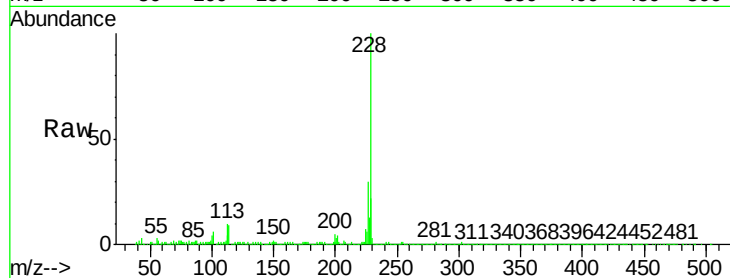
Tgt Ion:228 Resp: 2015952

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.6

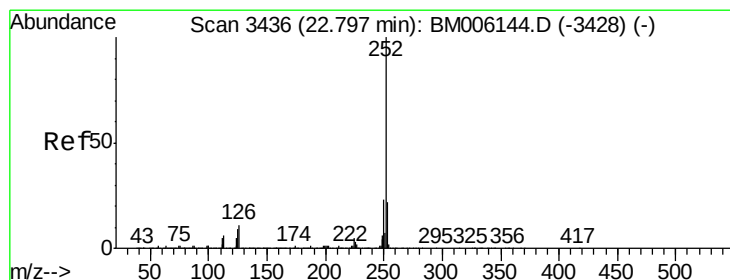
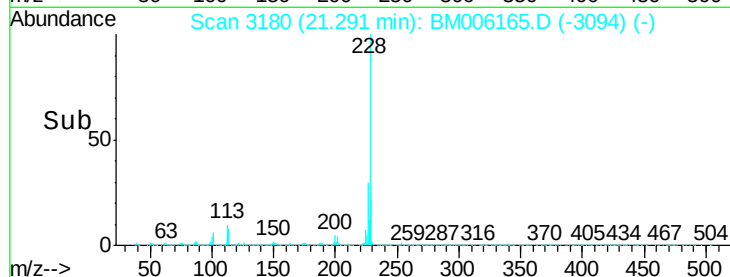
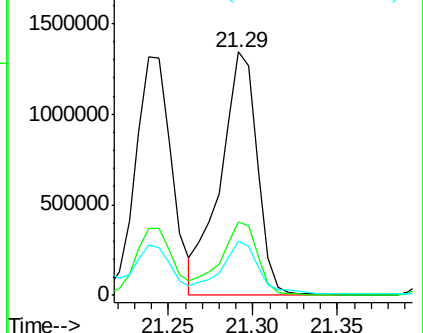
229 22.5 15.8 23.6



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: 54.43 ng/ul

RT: 22.81 min Scan# 3439

Delta R.T. 0.02 min

Lab File: BM006165.D

Acq: 30 Jun 2016 19:48

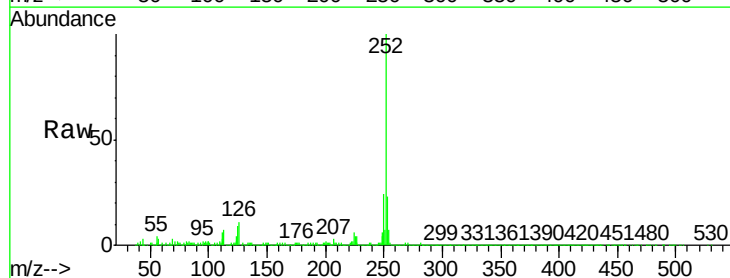
Tgt Ion:252 Resp: 2846396

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

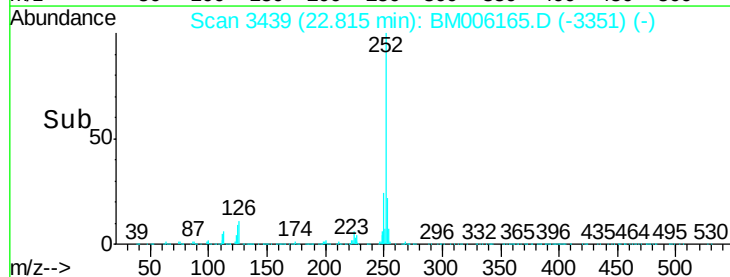
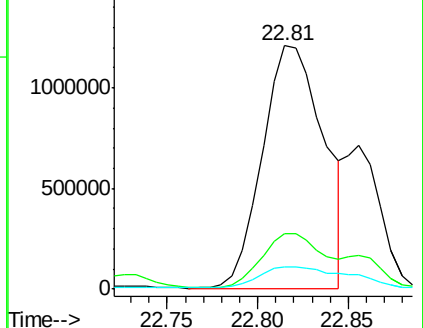
125 9.3 7.8 11.6

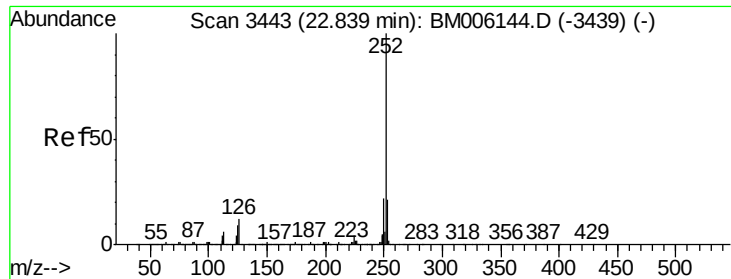


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 58.02 ng/ul

RT: 22.81 min Scan# 3439

Delta R.T. -0.03 min

Lab File: BM006165.D

Acq: 30 Jun 2016 19:48

Instrument :

BNA_M

ClientSampleId :

D9YF4

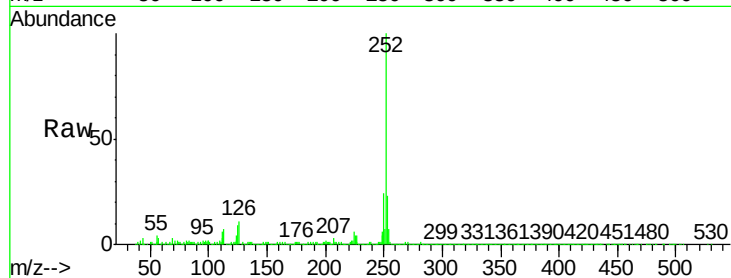
Tgt Ion:252 Resp: 2846396

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

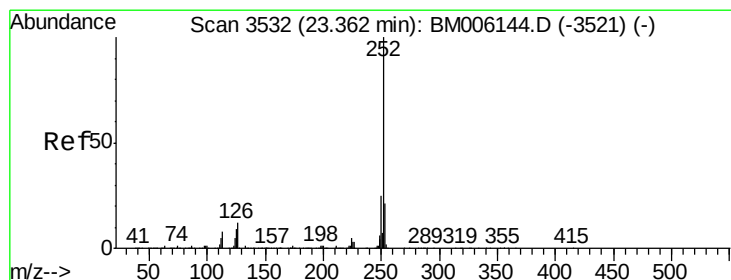
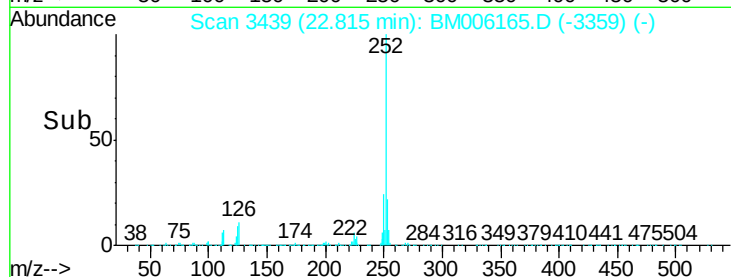
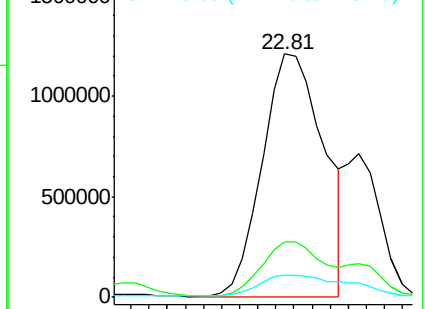
125 9.3 8.1 12.1



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: 39.04 ng/ul

RT: 23.39 min Scan# 3536

Delta R.T. 0.02 min

Lab File: BM006165.D

Acq: 30 Jun 2016 19:48

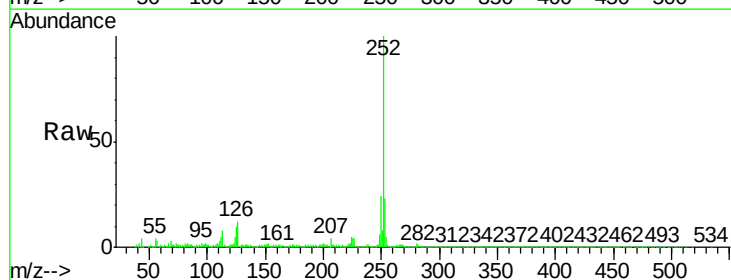
Tgt Ion:252 Resp: 1929076

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

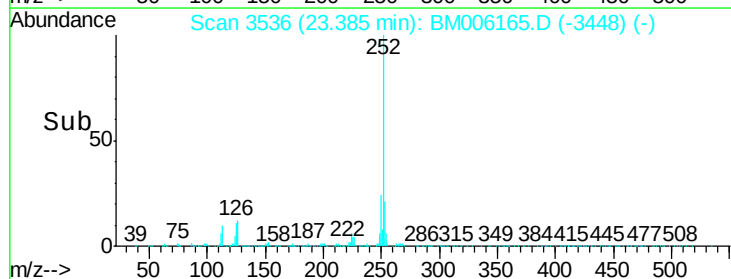
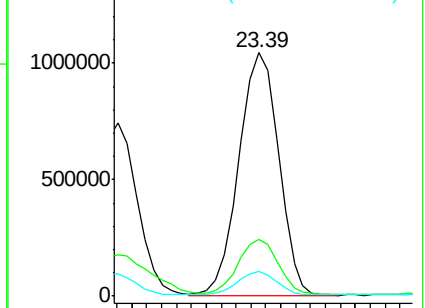
125 9.9 8.7 13.1

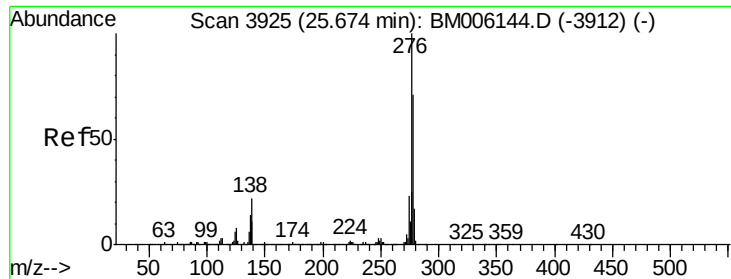


Abundance Ion 252.00 (251.70 to 252.70): E

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: 29.55 ng/ul

RT: 25.71 min Scan# 3932

Delta R.T. 0.03 min

Lab File: BM006165.D

Acq: 30 Jun 2016 19:48

Instrument :

BNA_M

ClientSampleId :

D9YF4

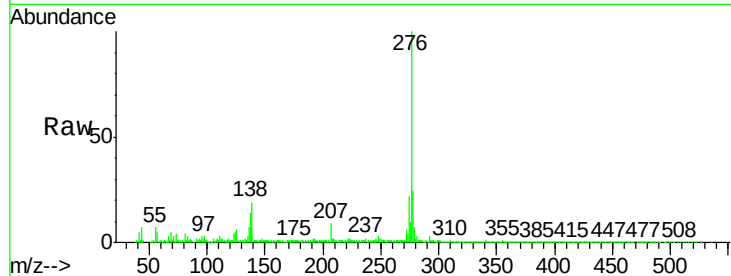
Tgt Ion:276 Resp: 1517467

Ion Ratio Lower Upper

276 100

138 18.6 20.4 30.6#

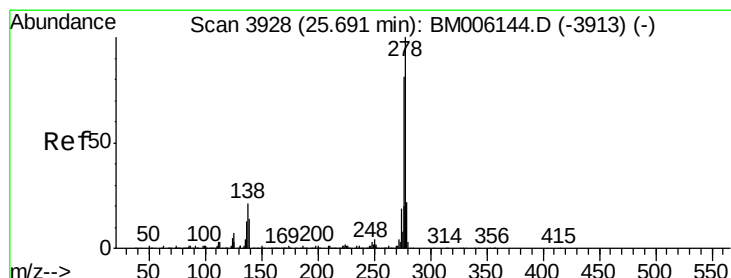
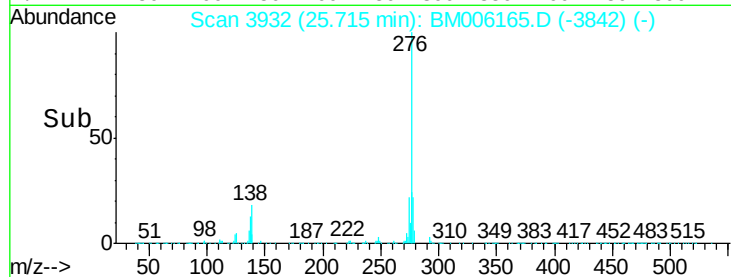
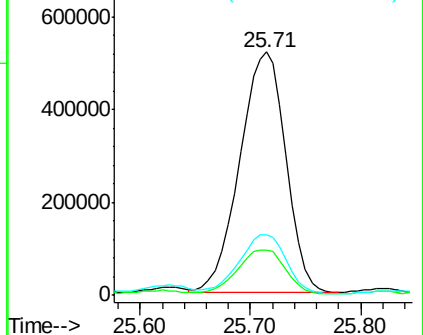
277 24.9 20.6 30.8



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: 1.54 ng/ul

RT: 25.63 min Scan# 3917

Delta R.T. -0.06 min

Lab File: BM006165.D

Acq: 30 Jun 2016 19:48

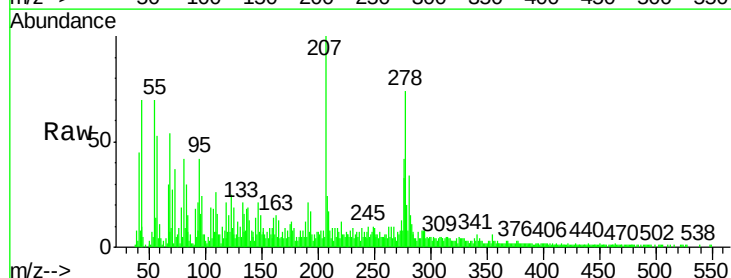
Tgt Ion:278 Resp: 65255

Ion Ratio Lower Upper

278 100

139 18.3 13.0 19.4

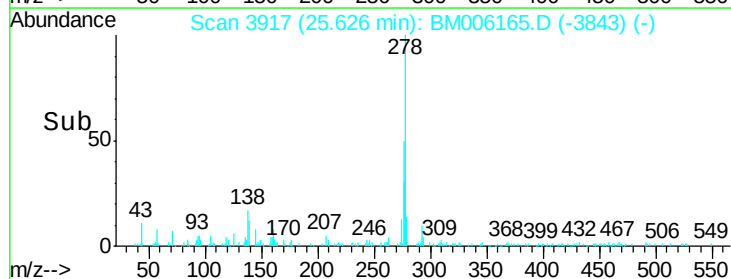
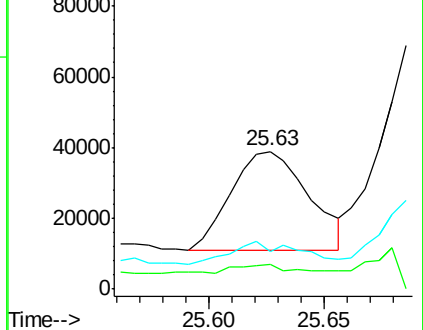
279 27.7 18.8 28.2

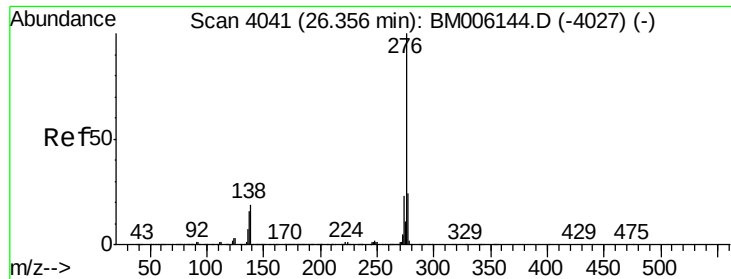


Abundance Ion 278.00 (277.70 to 278.70): E

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: 33.82 ng/ul

RT: 26.40 min Scan# 4049

Delta R.T. 0.05 min

Lab File: BM006165.D

Acq: 30 Jun 2016 19:48

Instrument :

BNA_M

ClientSampleId :

D9YF4

Tgt Ion:276 Resp: 1453882

Ion Ratio Lower Upper

276 100

138 19.1 16.6 25.0

277 24.2 18.9 28.3

