

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
 Data File : BM007010.D
 Acq On : 10 Aug 2016 21:11
 Operator : UM/SJ
 Sample : H4303-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0H5

Quant Time: Aug 11 03:17:20 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 10 01:30:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	367940	20.00	ng/ul	0.00
7) Naphthalene-d8	10.60	136	1666489	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	1016453	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.19	188	2356352	20.00	ng/ul	0.00
29) Chrysene-d12	21.37	240	2353274	20.00	ng/ul	0.00
34) Perylene-d12	23.65	264	1993914	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	7735	0.96	ng/uL	0.00
3) Phenol-d5	6.97	99	293769	8.97	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.15	67	201372	11.00	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	256262	10.32	ng/ul	0.00
6) 4-Methylphenol-d8	8.51	113	191285	6.90	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	135552	10.65	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	140731	9.65	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	294444	10.34	ng/ul	0.00
12) 4-Chloroaniline-d4	10.73	131	264752	7.95	ng/ul	0.00
16) Dimethylphthalate-d6	13.86	166	977898	11.26	ng/ul	-0.01
17) Acenaphthylene-d8	14.14	160	1217243	11.96	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	98410	6.31	ng/ul	0.00
21) Fluorene-d10	15.44	176	867612	11.75	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.55	200	77977	6.11	ng/ul	0.00
26) Anthracene-d10	17.29	188	1355546	12.35	ng/ul	0.00
30) Pyrene-d10	19.58	212	1518440	14.19	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.51	264	1135033	12.38	ng/ul	0.00

Target Compounds

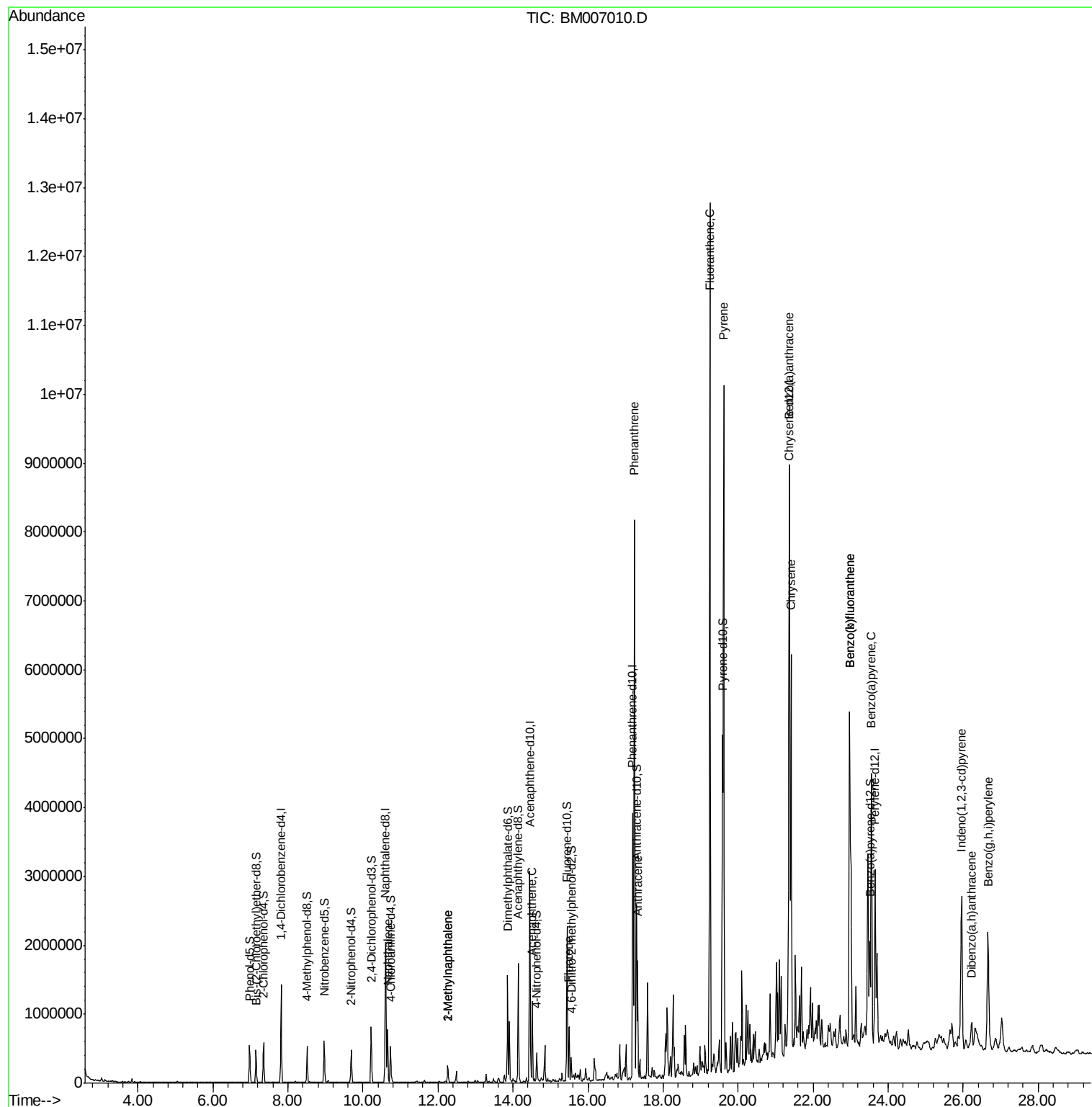
						Qvalue
11) Naphthalene	10.66	128	624050	7.47	ng/ul	99
13) 2-Methylnaphthalene	12.27	142	111705	1.69	ng/ul	99
14) 1-Methylnaphthalene	12.27	142	111705	1.76	ng/ul	95
19) Acenaphthene	14.51	153	468324	6.89	ng/ul	100
22) Fluorene	15.50	166	347576	4.31	ng/ul	97
25) Phenanthrene	17.24	178	5117358	40.54	ng/ul	99
27) Anthracene	17.33	178	1094263	8.39	ng/ul	99
28) Fluoranthene	19.25	202	7856649	49.41	ng/ul	99
31) Pyrene	19.62	202	6535998	47.88	ng/ul	98
32) Benzo(a)anthracene	21.36	228	3561421	25.70	ng/ul	99
33) Chrysene	21.41	228	3305531	26.28	ng/ul	97
35) Benzo(b)fluoranthene	22.97	252	4460287	36.01	ng/ul	98
36) Benzo(k)fluoranthene	22.97	252	4460287	38.12	ng/ul	99
38) Benzo(a)pyrene	23.56	252	3025198	26.55	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.96	276	2366444	20.94	ng/ul	97
40) Dibenzo(a,h)anthracene	26.23	278	397607	4.25	ng/ul	95
41) Benzo(g,h,i)perylene	26.66	276	2304185	24.80	ng/ul	99

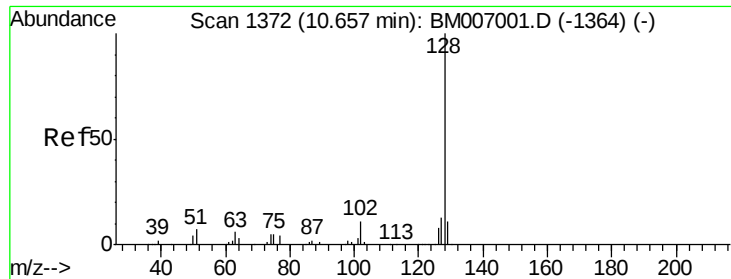
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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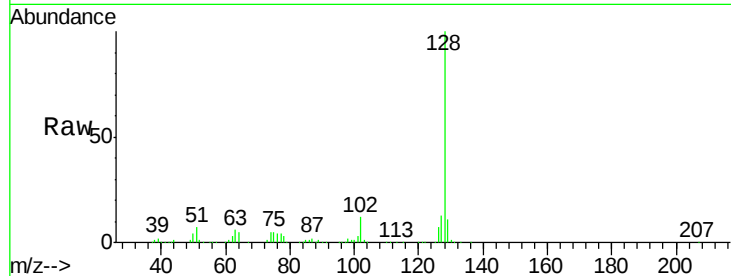




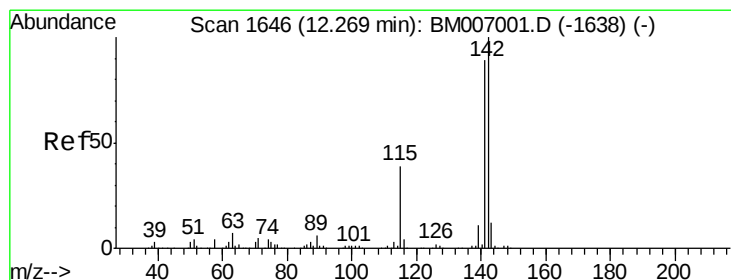
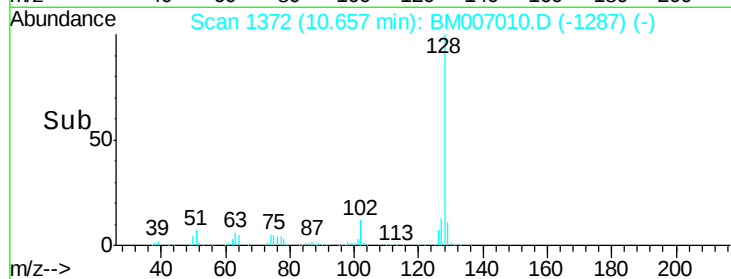
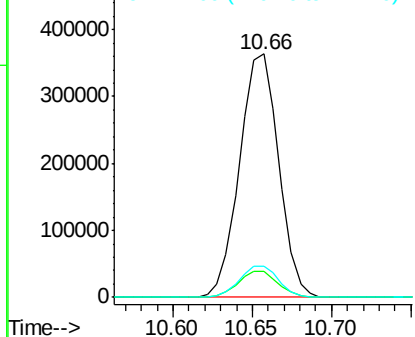
#11
Naphthalene
Concen: 7.47 ng/ul
RT: 10.66 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BM007010.D
Acq: 10 Aug 2016 21:11

Instrument :
BNA_M
ClientSampleId :
DA0H5

Tgt Ion:128 Resp: 624050
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 12.9 10.4 15.6

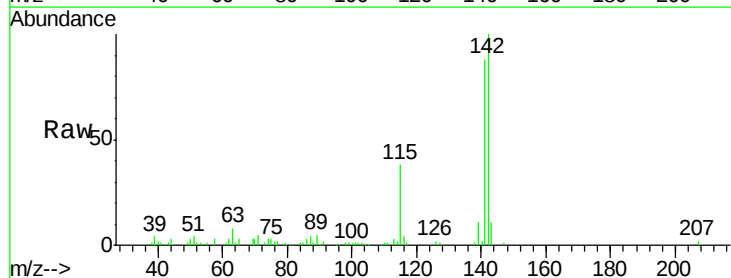


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

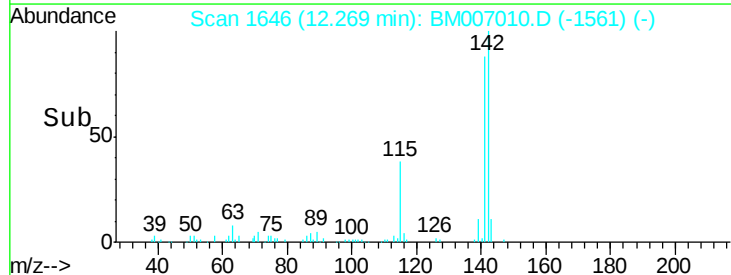
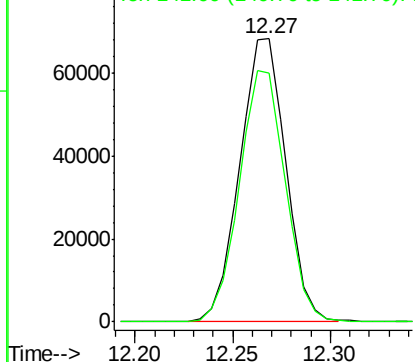


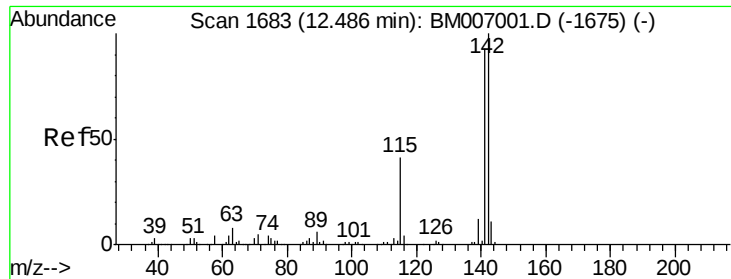
#13
2-Methylnaphthalene
Concen: 1.69 ng/ul
RT: 12.27 min Scan# 1646
Delta R.T. 0.00 min
Lab File: BM007010.D
Acq: 10 Aug 2016 21:11

Tgt Ion:142 Resp: 111705
Ion Ratio Lower Upper
142 100
141 87.7 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

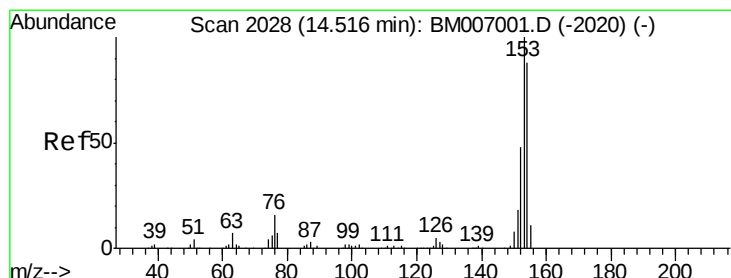
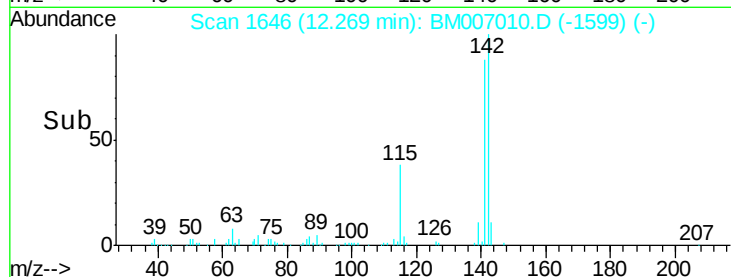
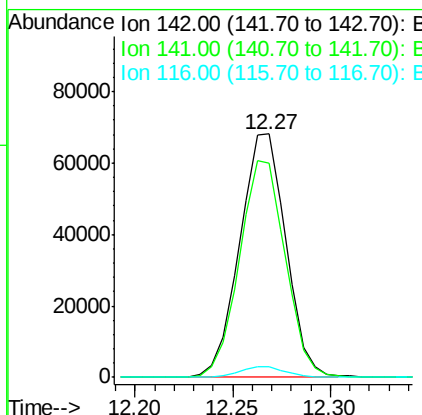
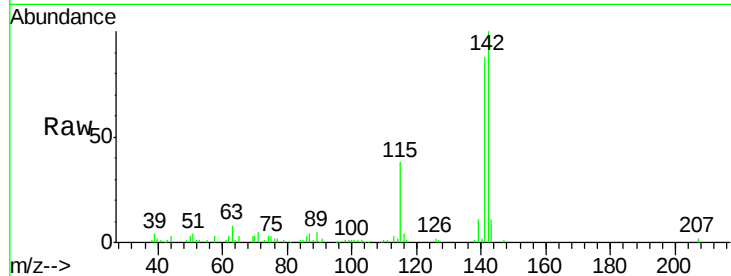




#14
1-Methylnaphthalene
Concen: 1.76 ng/ul
RT: 12.27 min Scan# 1646
Delta R.T. -0.22 min
Lab File: BM007010.D
Acq: 10 Aug 2016 21:11

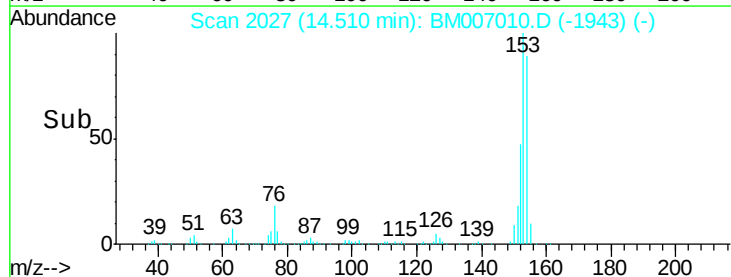
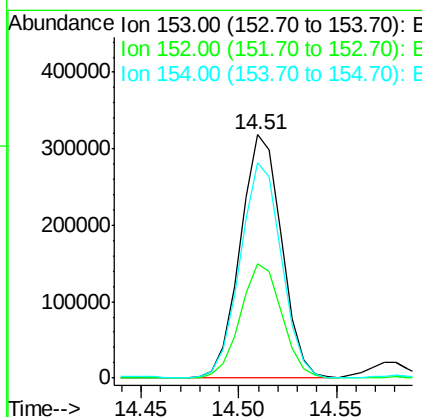
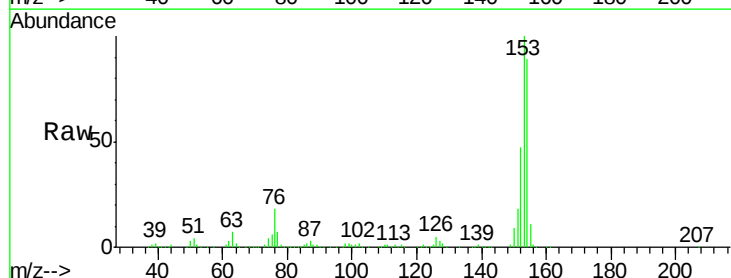
Instrument :
BNA_M
ClientSampleId :
DA0H5

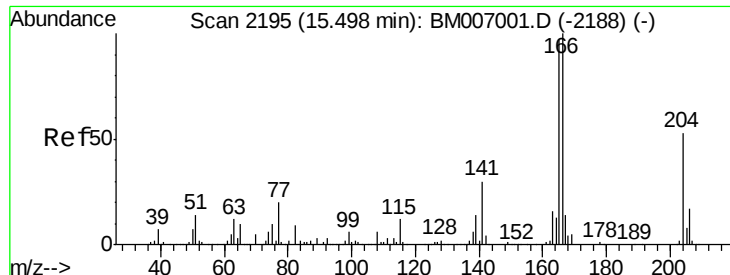
Tgt Ion:142 Resp: 111705
Ion Ratio Lower Upper
142 100
141 87.7 74.4 111.6
116 4.4 3.2 4.8



#19
Acenaphthene
Concen: 6.89 ng/ul
RT: 14.51 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BM007010.D
Acq: 10 Aug 2016 21:11

Tgt Ion:153 Resp: 468324
Ion Ratio Lower Upper
153 100
152 47.0 37.0 55.6
154 88.5 70.9 106.3





#22

Fluorene

Concen: 4.31 ng/ul

RT: 15.50 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BM007010.D

Acq: 10 Aug 2016 21:11

Instrument :

BNA_M

ClientSampleId :

DA0H5

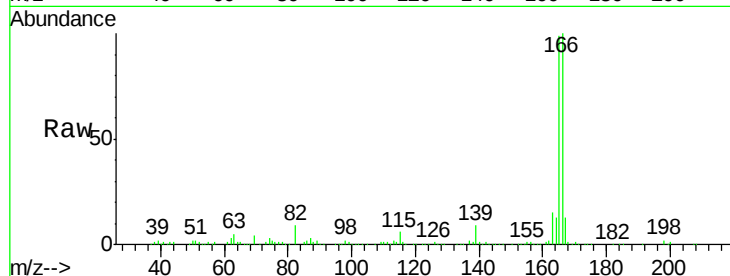
Tgt Ion:166 Resp: 347576

Ion Ratio Lower Upper

166 100

165 98.7 76.6 115.0

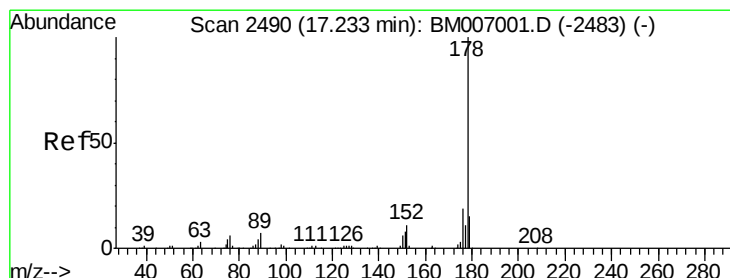
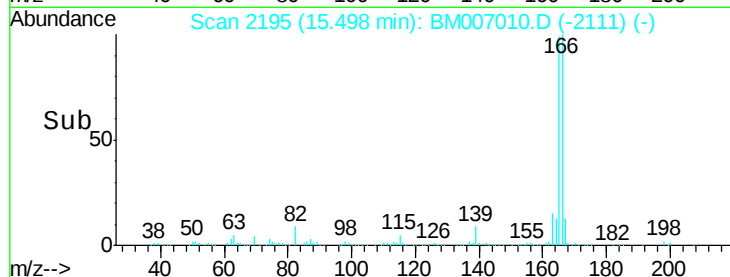
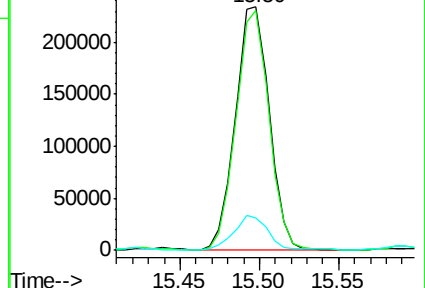
167 13.2 10.7 16.1



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: 40.54 ng/ul

RT: 17.24 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BM007010.D

Acq: 10 Aug 2016 21:11

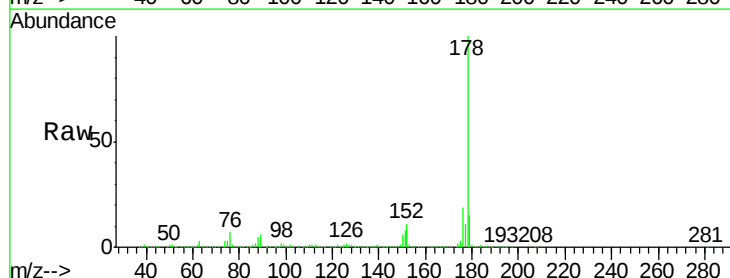
Tgt Ion:178 Resp: 5117358

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

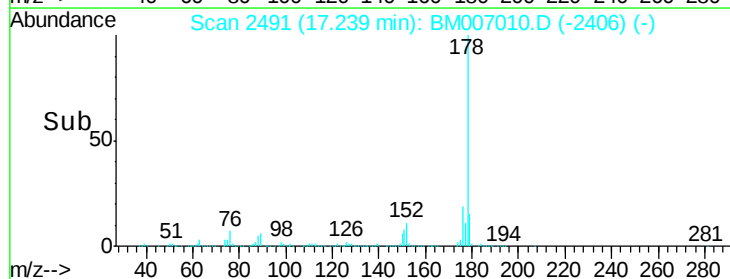
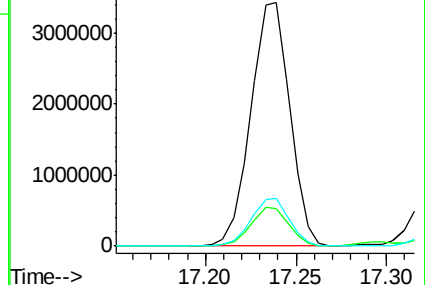
176 19.5 15.2 22.8

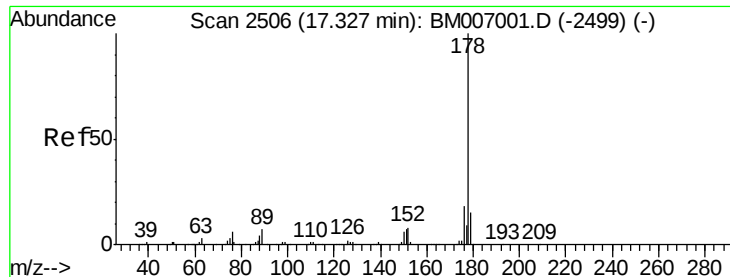


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

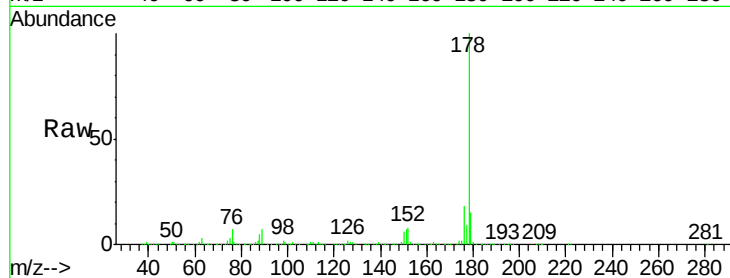




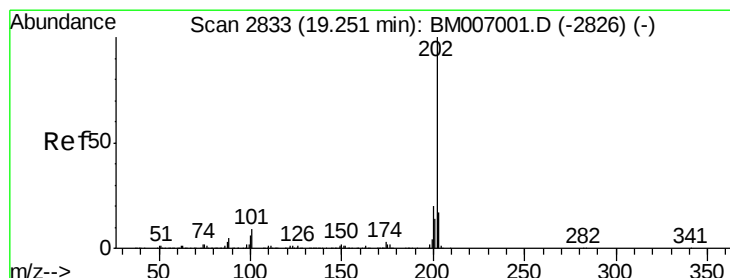
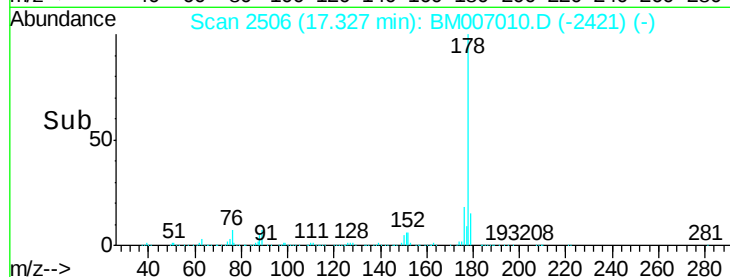
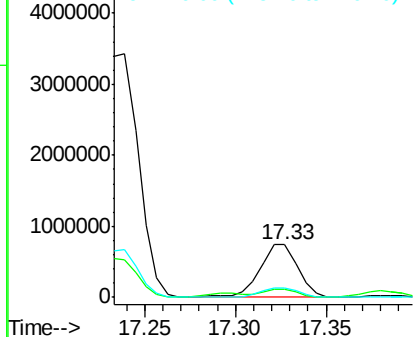
#27
 Anthracene
 Concen: 8.39 ng/ul
 RT: 17.33 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: BM007010.D
 Acq: 10 Aug 2016 21:11

Instrument :
 BNA_M
 ClientSampleId :
 DA0H5

Tgt Ion:178 Resp: 1094263
 Ion Ratio Lower Upper
 178 100
 179 14.8 12.5 18.7
 176 18.4 15.0 22.4

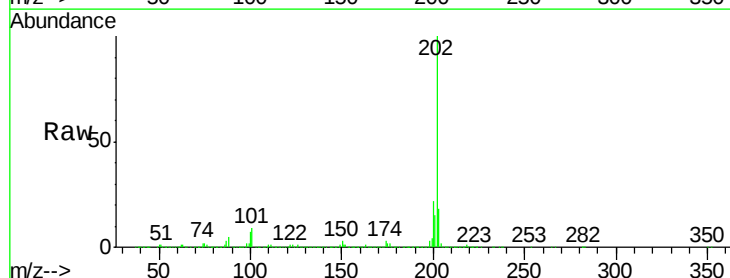


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

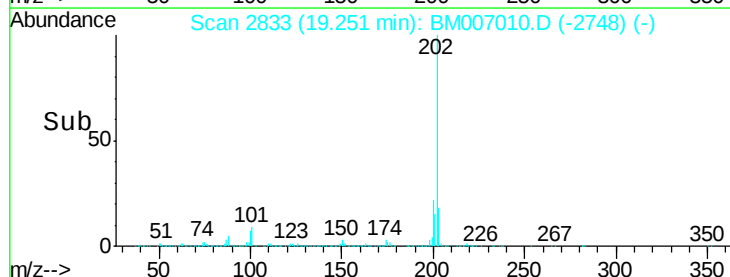
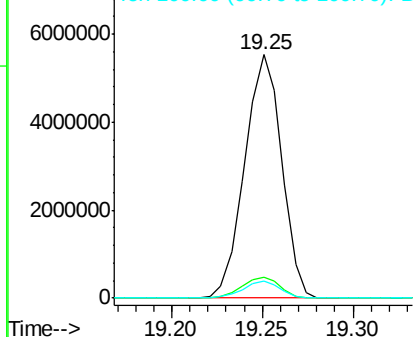


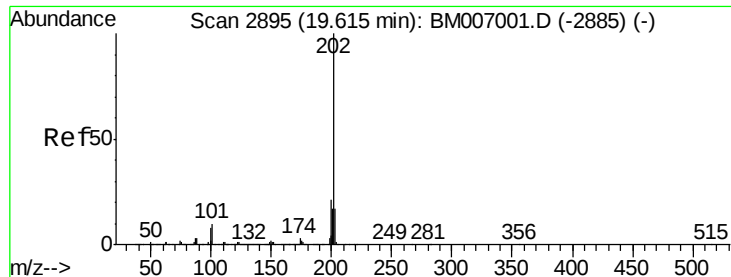
#28
 Fluoranthene
 Concen: 49.41 ng/ul
 RT: 19.25 min Scan# 2833
 Delta R.T. 0.00 min
 Lab File: BM007010.D
 Acq: 10 Aug 2016 21:11

Tgt Ion:202 Resp: 7856649
 Ion Ratio Lower Upper
 202 100
 101 8.7 7.4 11.2
 100 6.8 5.8 8.6



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

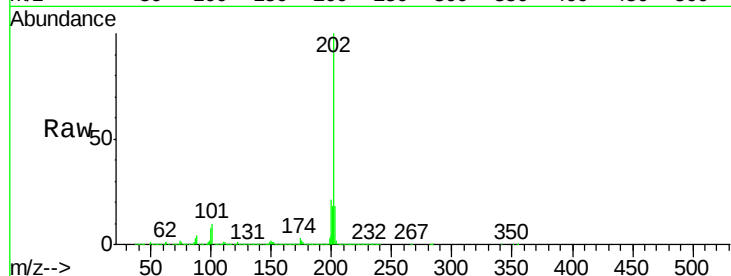




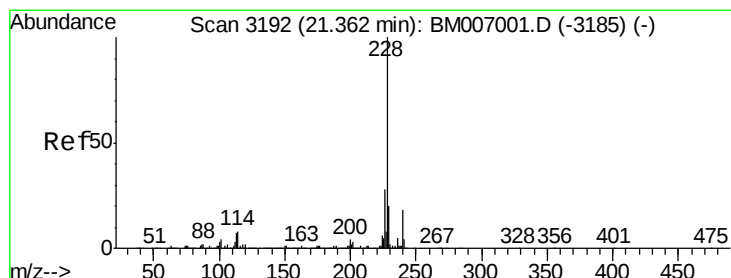
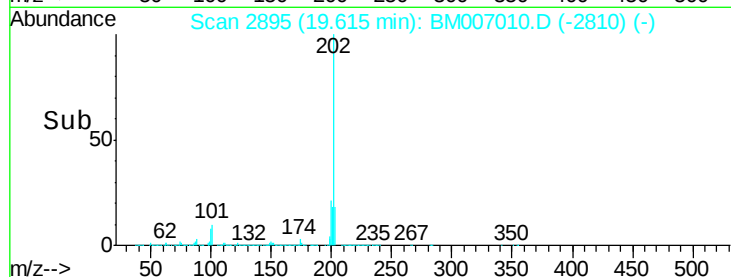
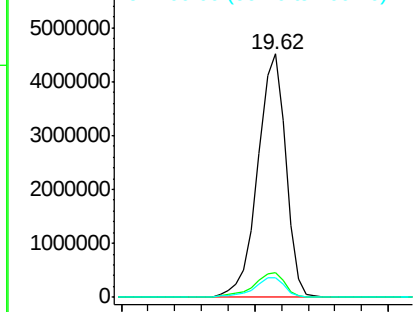
#31
 Pyrene
 Concen: 47.88 ng/ul
 RT: 19.62 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: BM007010.D
 Acq: 10 Aug 2016 21:11

Instrument :
 BNA_M
 ClientSampleId :
 DA0H5

Tgt Ion:202 Resp: 6535998
 Ion Ratio Lower Upper
 202 100
 101 10.0 8.5 12.7
 100 8.1 7.1 10.7

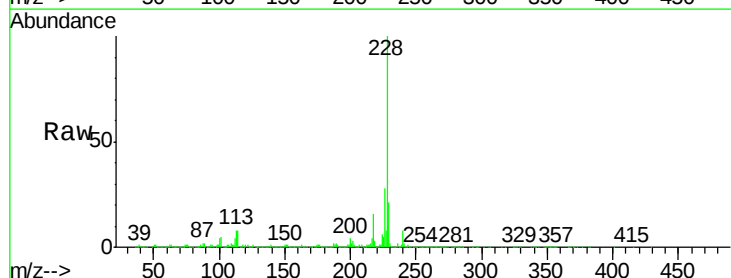


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

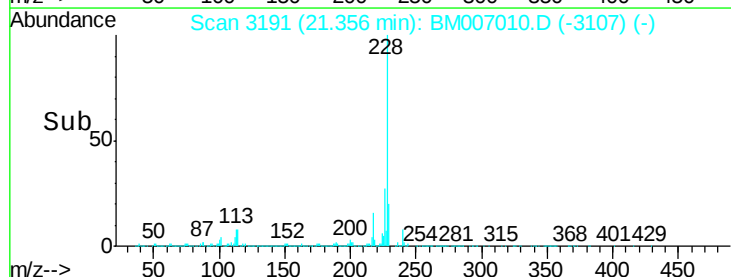
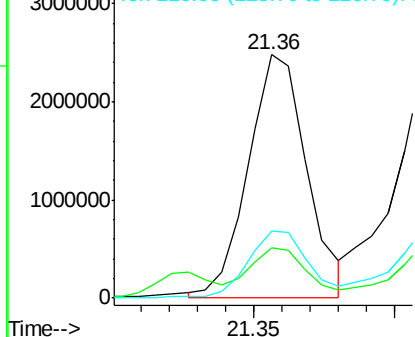


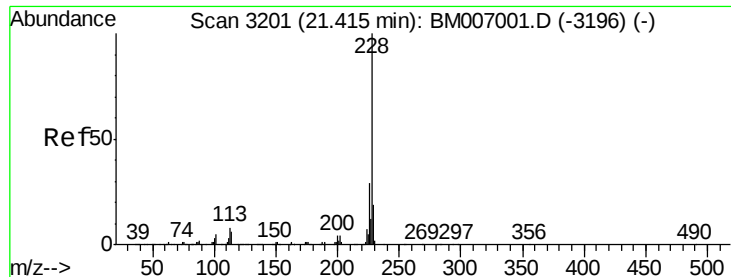
#32
 Benzo(a)anthracene
 Concen: 25.70 ng/ul
 RT: 21.36 min Scan# 3191
 Delta R.T. -0.01 min
 Lab File: BM007010.D
 Acq: 10 Aug 2016 21:11

Tgt Ion:228 Resp: 3561421
 Ion Ratio Lower Upper
 228 100
 229 20.9 15.8 23.6
 226 27.7 21.9 32.9



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: 26.28 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. -0.01 min

Lab File: BM007010.D

Acq: 10 Aug 2016 21:11

Instrument :

BNA_M

ClientSampleId :

DA0H5

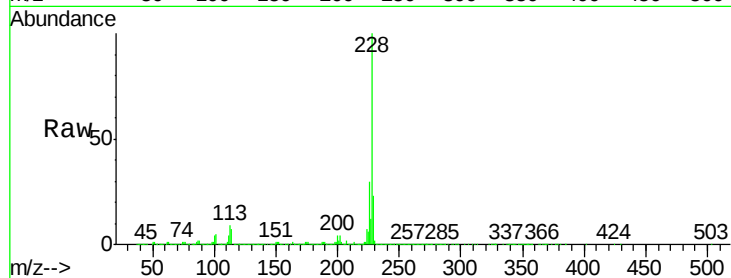
Tgt Ion:228 Resp: 3305531

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.4

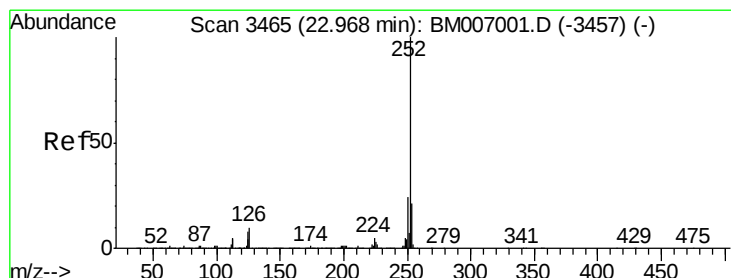
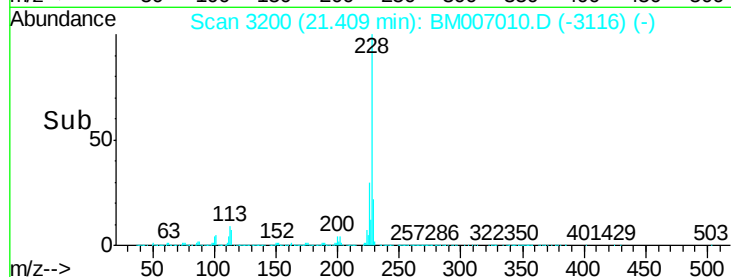
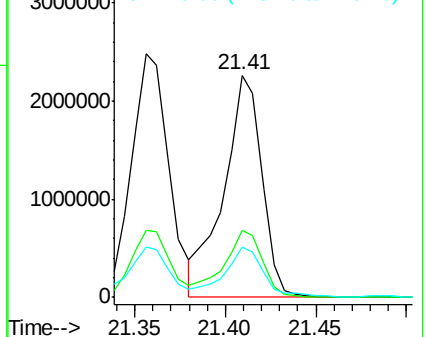
229 22.6 15.9 23.9



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: 36.01 ng/ul

RT: 22.97 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BM007010.D

Acq: 10 Aug 2016 21:11

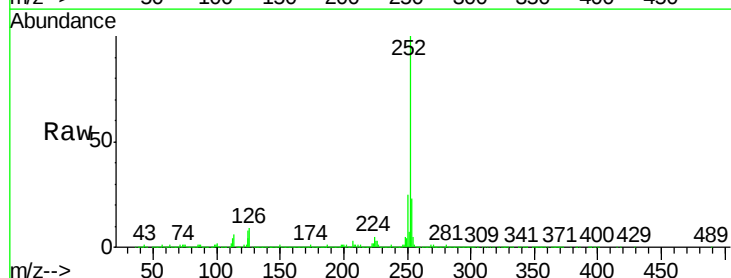
Tgt Ion:252 Resp: 4460287

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

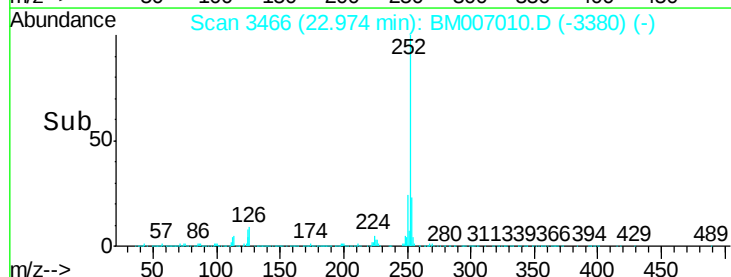
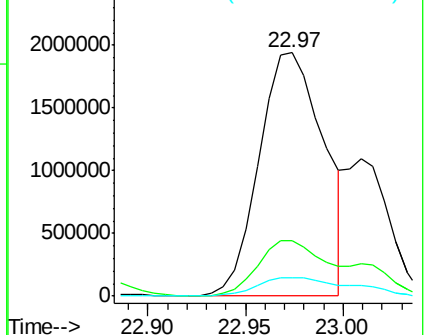
125 7.7 6.0 9.0

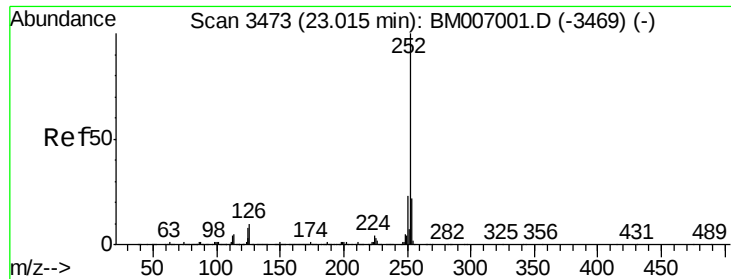


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

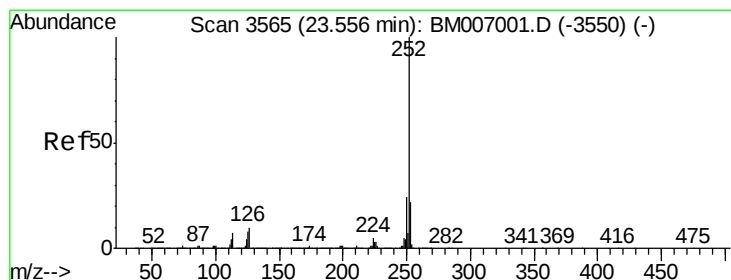
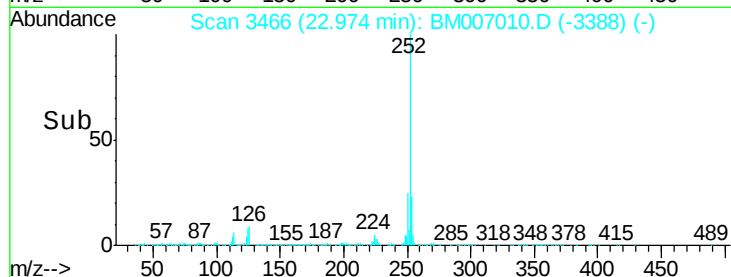
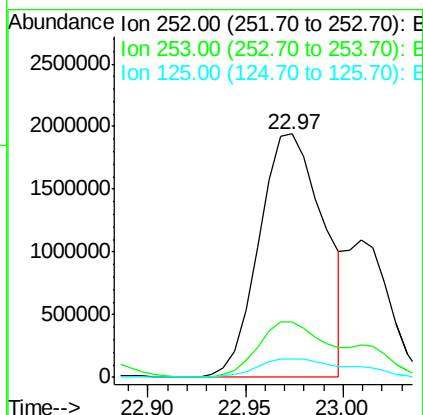
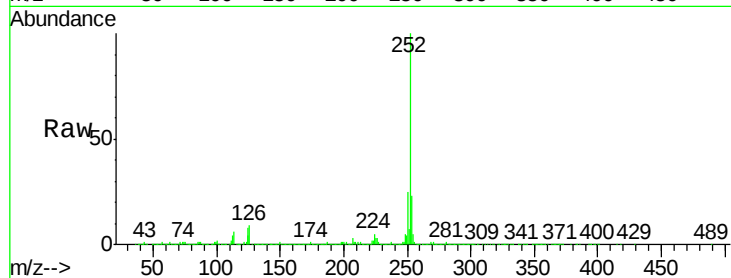




#36
Benzo(k)fluoranthene
Concen: 38.12 ng/ul
RT: 22.97 min Scan# 3466
Delta R.T. -0.04 min
Lab File: BM007010.D
Acq: 10 Aug 2016 21:11

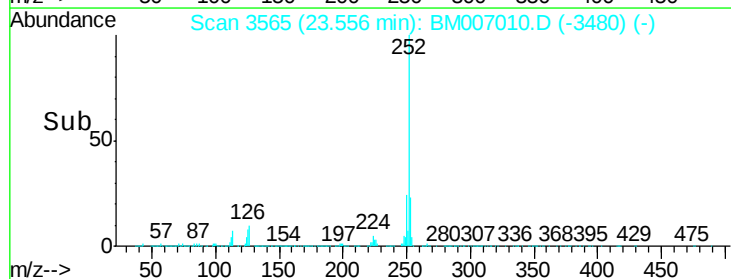
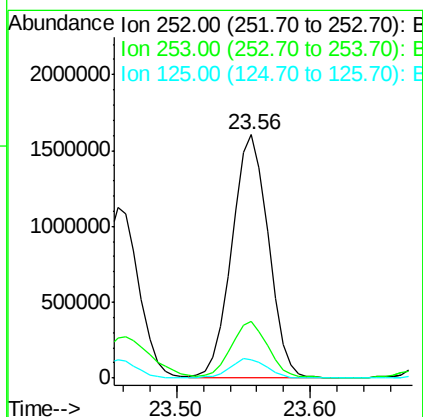
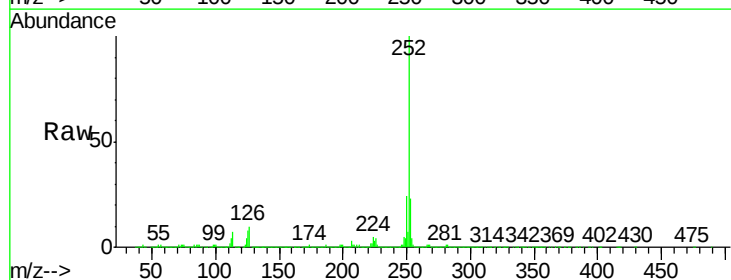
Instrument :
BNA_M
ClientSampleId :
DA0H5

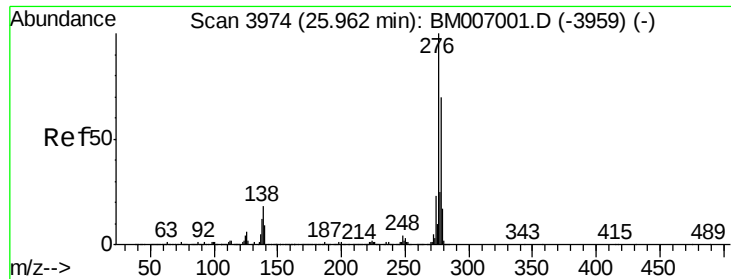
Tgt Ion:252 Resp: 4460287
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 7.7 6.2 9.4



#38
Benzo(a)pyrene
Concen: 26.55 ng/ul
RT: 23.56 min Scan# 3565
Delta R.T. 0.00 min
Lab File: BM007010.D
Acq: 10 Aug 2016 21:11

Tgt Ion:252 Resp: 3025198
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 7.7 6.8 10.2



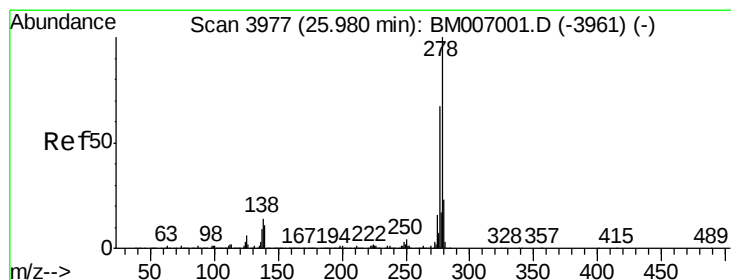
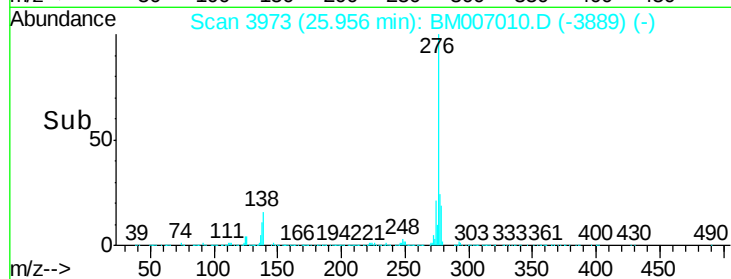
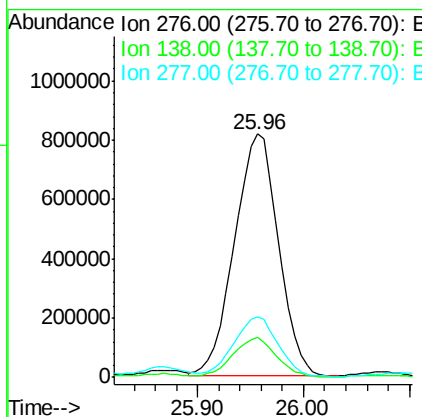
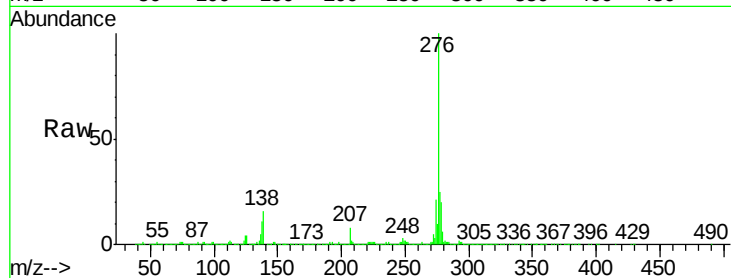


#39

Indeno(1,2,3-cd)pyrene
Concen: 20.94 ng/ul
RT: 25.96 min Scan# 3973
Delta R.T. -0.01 min
Lab File: BM007010.D
Acq: 10 Aug 2016 21:11

Instrument :
BNA_M
ClientSampleId :
DA0H5

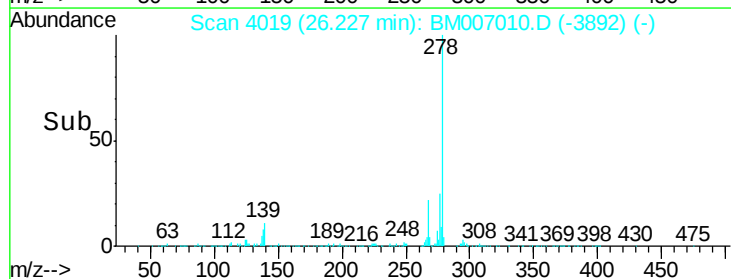
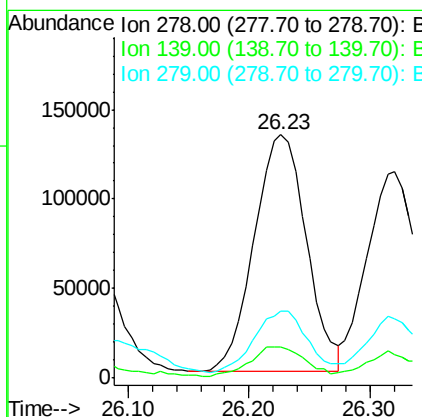
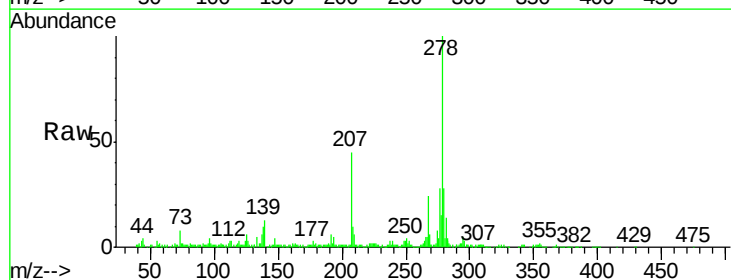
Tgt Ion:276 Resp: 2366444
Ion Ratio Lower Upper
276 100
138 16.3 14.9 22.3
277 25.0 19.8 29.6

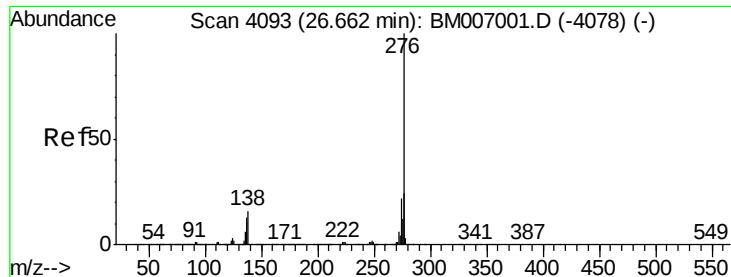


#40

Dibenzo(a,h)anthracene
Concen: 4.25 ng/ul
RT: 26.23 min Scan# 4019
Delta R.T. 0.25 min
Lab File: BM007010.D
Acq: 10 Aug 2016 21:11

Tgt Ion:278 Resp: 397607
Ion Ratio Lower Upper
278 100
139 12.9 10.3 15.5
279 27.6 18.8 28.2





#41

Benzo(g,h,i)perylene

Concen: 24.80 ng/ul

RT: 26.66 min Scan# 4093

Delta R.T. 0.00 min

Lab File: BM007010.D

Acq: 10 Aug 2016 21:11

Instrument :

BNA_M

ClientSampleId :

DA0H5

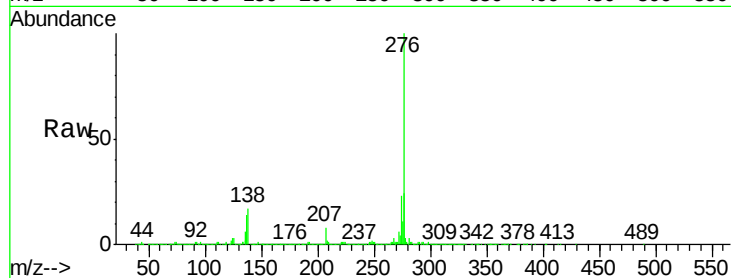
Tgt Ion: 276 Resp: 2304185

Ion Ratio Lower Upper

276 100

138 16.9 14.0 21.0

277 24.1 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

