

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
 Data File : BM007002.D
 Acq On : 10 Aug 2016 16:22
 Operator : UM/SJ
 Sample : H4301-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0J8

Quant Time: Aug 10 18:33:02 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	285339	20.00	ng/ul	0.00
7) Naphthalene-d8	10.60	136	1342408	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	875779	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.19	188	2150490	20.00	ng/ul	0.00
29) Chrysene-d12	21.37	240	2836159	20.00	ng/ul	0.00
34) Perylene-d12	23.65	264	3117916	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	15043	2.40	ng/uL	0.00
3) Phenol-d5	6.97	99	529773	20.86	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.15	67	326572	23.01	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	419314	21.77	ng/ul	0.00
6) 4-Methylphenol-d8	8.51	113	460665	21.43	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	221035	21.56	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	197133	16.79	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	479632	20.91	ng/ul	0.00
12) 4-Chloroaniline-d4	10.73	131	113090	4.22	ng/ul	0.00
16) Dimethylphthalate-d6	13.86	166	1062753	14.20	ng/ul	-0.01
17) Acenaphthylene-d8	14.14	160	2219646	25.32	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	251598	18.73	ng/ul	0.00
21) Fluorene-d10	15.44	176	1706060	26.82	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.55	200	95879	8.23	ng/ul	0.00
26) Anthracene-d10	17.29	188	3091801	30.86	ng/ul	0.00
30) Pyrene-d10	19.59	212	3842600	29.80	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.51	264	4547475	31.73	ng/ul	0.00

Target Compounds

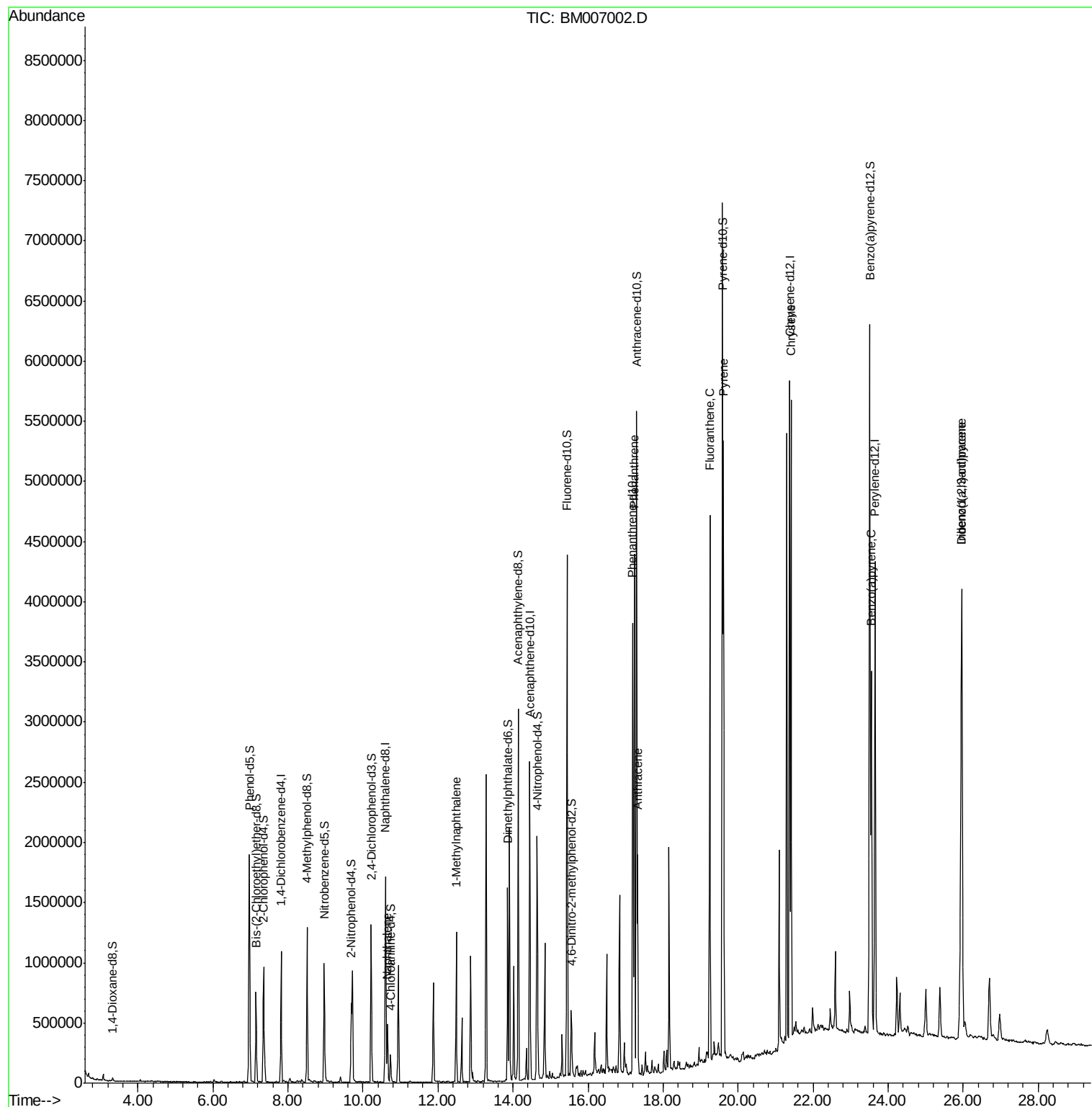
						Qvalue
11) Naphthalene	10.65	128	386092	5.73	ng/ul	99
14) 1-Methylnaphthalene	12.49	142	565445	11.06	ng/ul	100
25) Phenanthrene	17.23	178	2662863	23.11	ng/ul	100
27) Anthracene	17.32	178	1135138	9.54	ng/ul	99
28) Fluoranthene	19.24	202	2873724	19.80	ng/ul	99
31) Pyrene	19.61	202	3024434	18.38	ng/ul	99
33) Chrysene	21.41	228	2672418	17.63	ng/ul	100
38) Benzo(a)pyrene	23.55	252	2255930	12.66	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.96	276	3510120	19.87	ng/ul	98
40) Dibenzo(a,h)anthracene	25.97	278	1866608	12.76	ng/ul	99

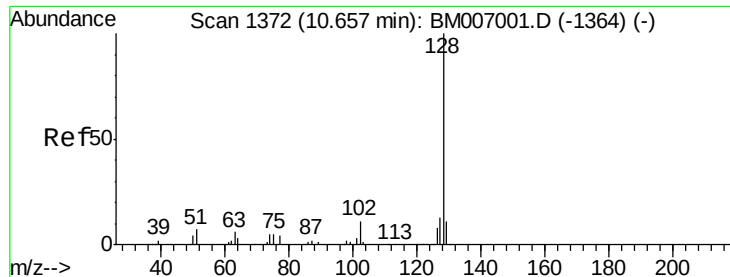
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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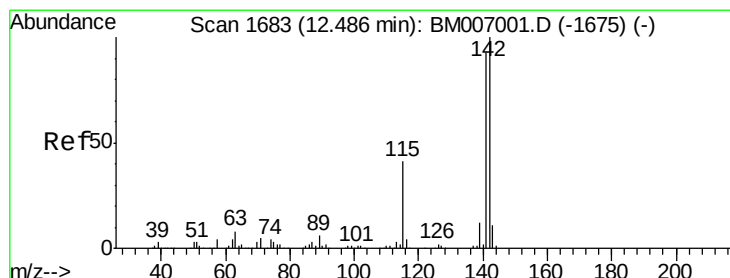
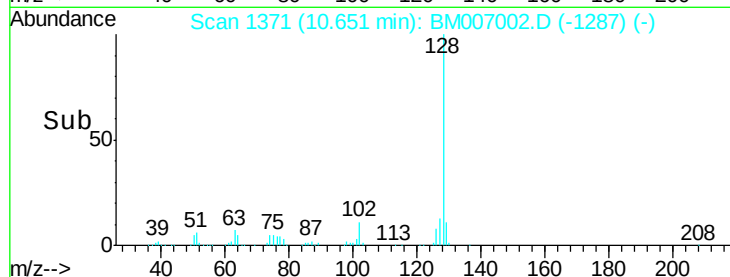
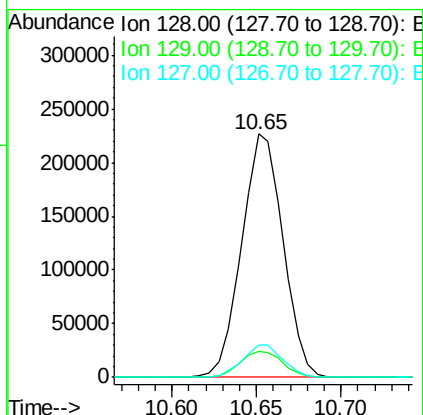
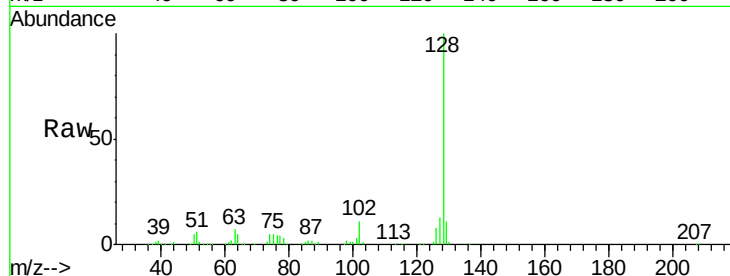




#11
Naphthalene
Concen: 5.73 ng/ul
RT: 10.65 min Scan# 1371
Delta R.T. -0.01 min
Lab File: BM007002.D
Acq: 10 Aug 2016 16:22

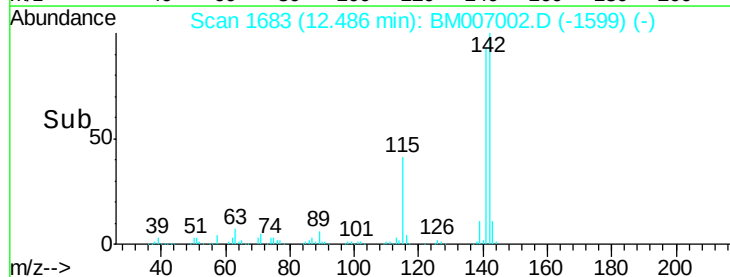
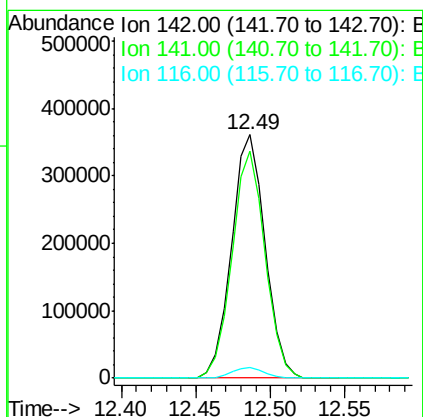
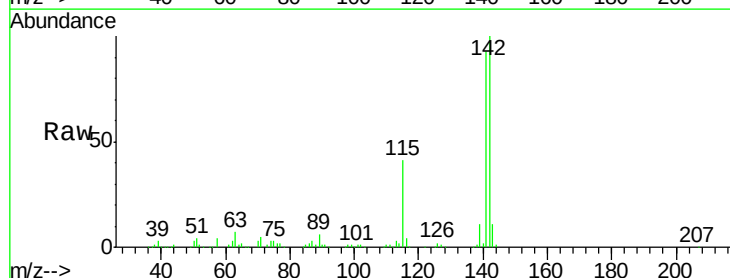
Instrument :
BNA_M
ClientSampleId :
DA0J8

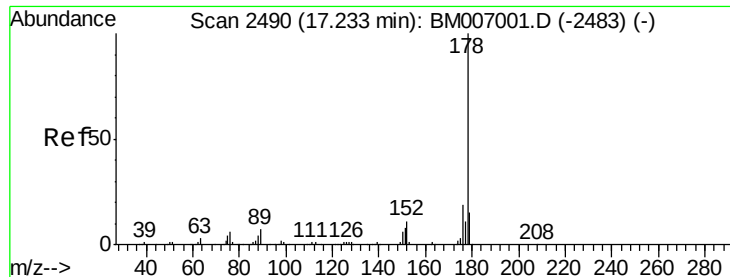
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	13.1	10.4	15.6



#14
1-Methylnaphthalene
Concen: 11.06 ng/ul
RT: 12.49 min Scan# 1683
Delta R.T. -0.01 min
Lab File: BM007002.D
Acq: 10 Aug 2016 16:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	74.4	111.6
116	4.4	3.2	4.8





#25

Phenanthrene

Concen: 23.11 ng/ul

RT: 17.23 min Scan# 2490

Delta R.T. -0.01 min

Lab File: BM007002.D

Acq: 10 Aug 2016 16:22

Instrument :

BNA_M

ClientSampleId :

DA0J8

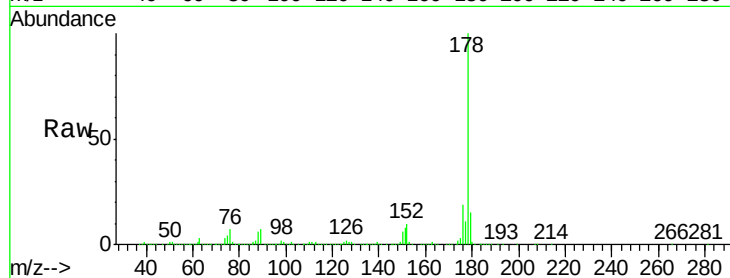
Tgt Ion:178 Resp: 2662863

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

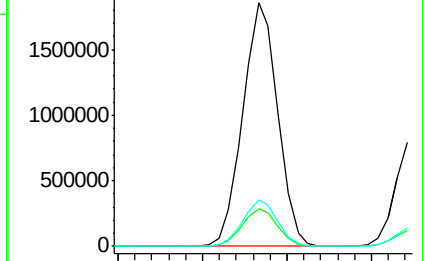
176 19.3 15.2 22.8



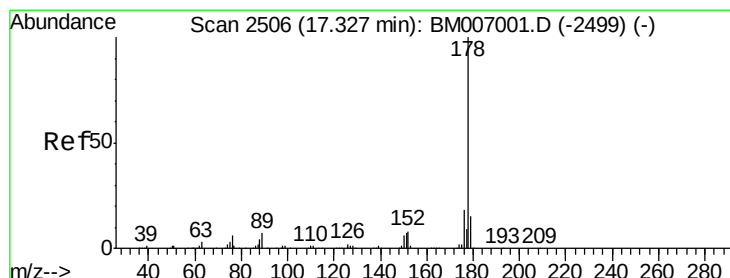
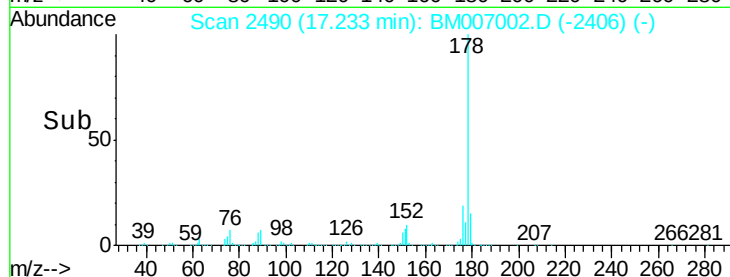
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.15 17.20 17.25 17.30



#27

Anthracene

Concen: 9.54 ng/ul

RT: 17.32 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BM007002.D

Acq: 10 Aug 2016 16:22

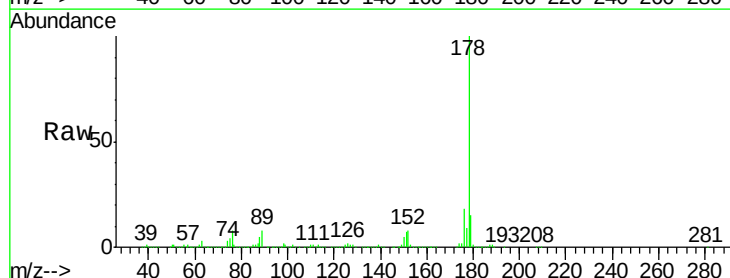
Tgt Ion:178 Resp: 1135138

Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

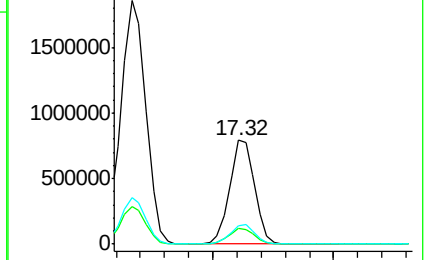
176 18.3 15.0 22.4



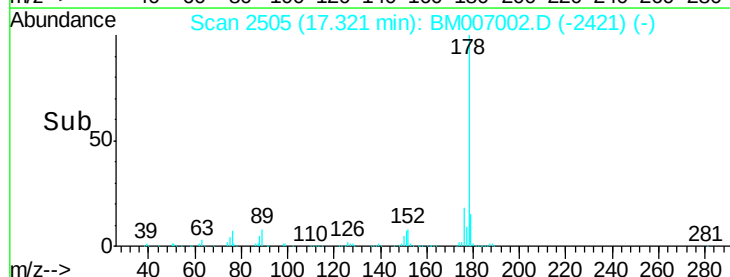
Abundance Ion 178.00 (177.70 to 178.70): E

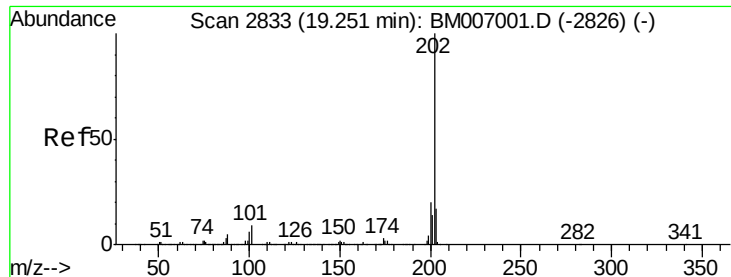
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.30 17.40





#28

Fluoranthene

Concen: 19.80 ng/ul

RT: 19.24 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BM007002.D

Acq: 10 Aug 2016 16:22

Instrument :

BNA_M

ClientSampleId :

DA0J8

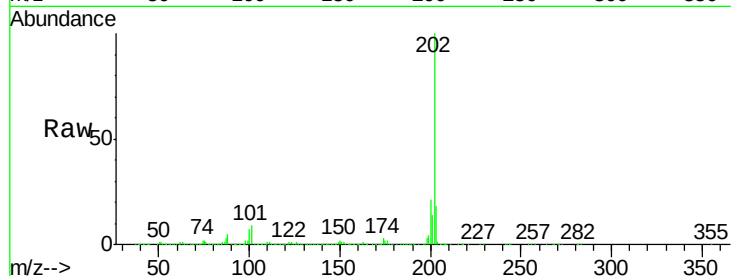
Tgt Ion:202 Resp: 2873724

Ion Ratio Lower Upper

202 100

101 8.9 7.4 11.2

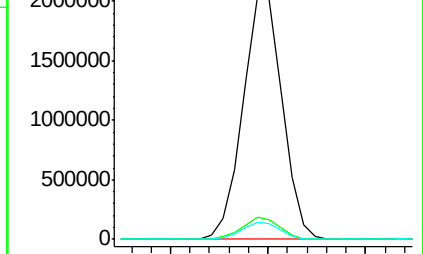
100 6.8 5.8 8.6



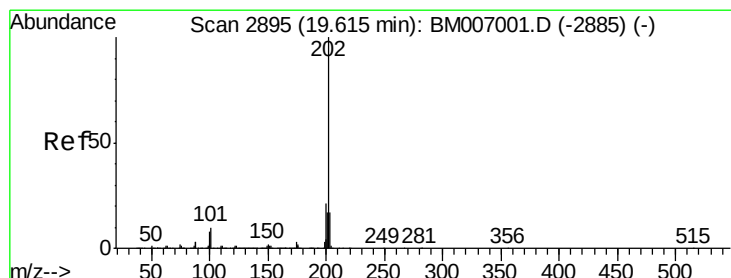
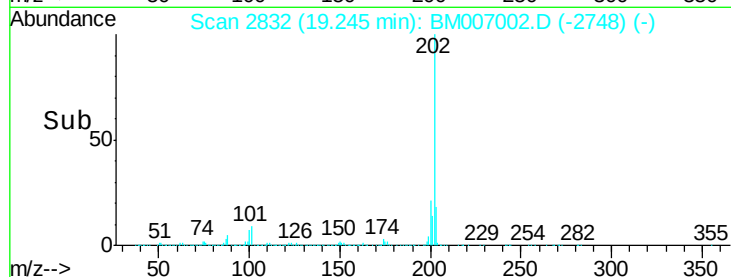
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#31

Pyrene

Concen: 18.38 ng/ul

RT: 19.61 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BM007002.D

Acq: 10 Aug 2016 16:22

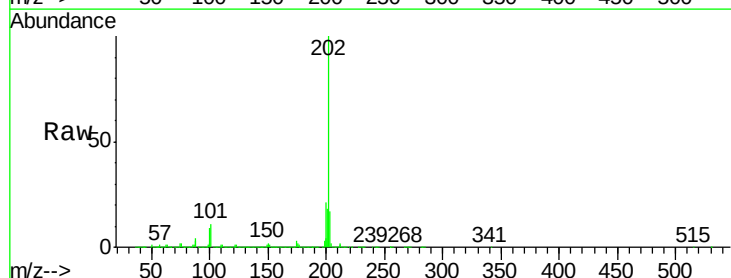
Tgt Ion:202 Resp: 3024434

Ion Ratio Lower Upper

202 100

101 10.9 8.5 12.7

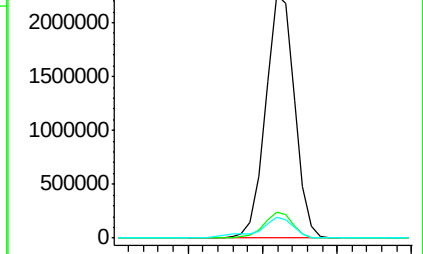
100 8.7 7.1 10.7



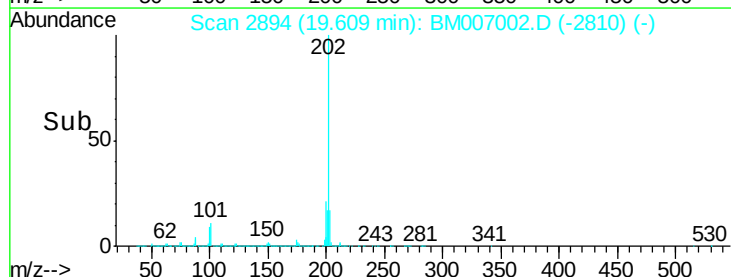
Abundance Ion 202.00 (201.70 to 202.70): E

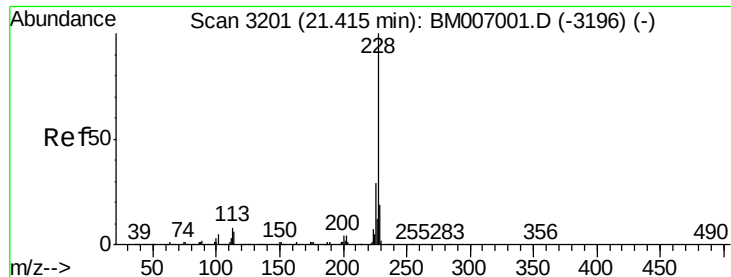
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#33

Chrysene

Concen: 17.63 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. -0.01 min

Lab File: BM007002.D

Acq: 10 Aug 2016 16:22

Instrument :

BNA_M

ClientSampleId :

DA0J8

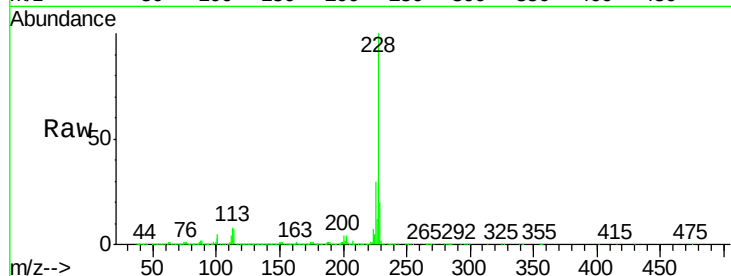
Tgt Ion:228 Resp: 2672418

Ion Ratio Lower Upper

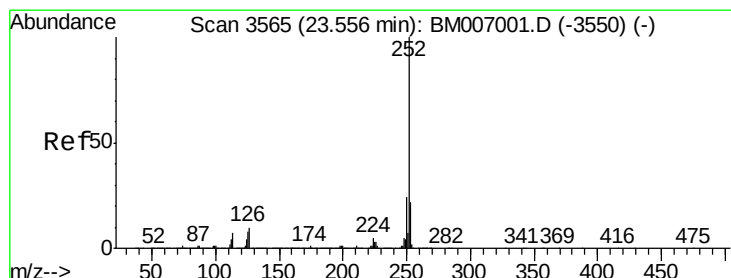
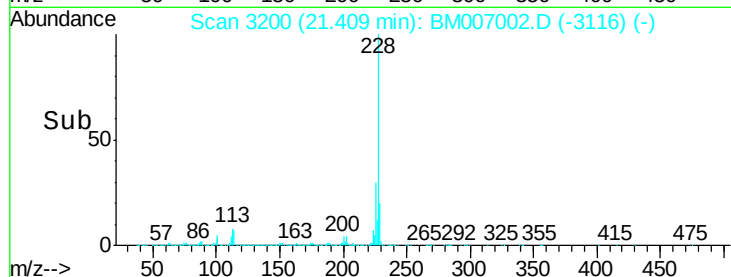
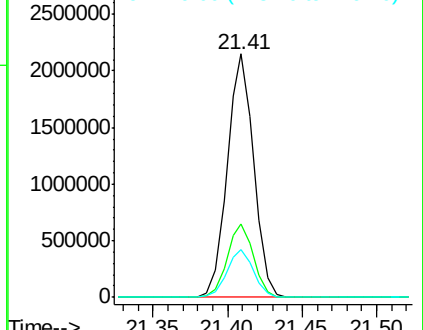
228 100

226 30.2 24.2 36.4

229 19.6 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



#38

Benzo(a)pyrene

Concen: 12.66 ng/ul

RT: 23.55 min Scan# 3564

Delta R.T. -0.01 min

Lab File: BM007002.D

Acq: 10 Aug 2016 16:22

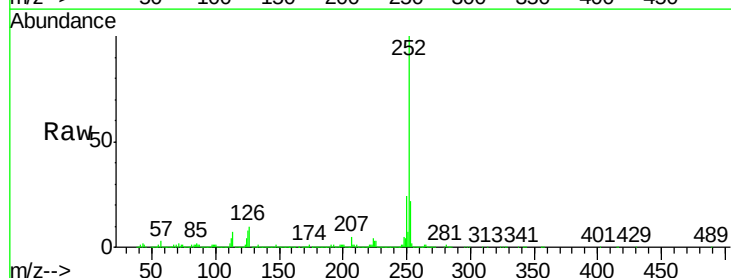
Tgt Ion:252 Resp: 2255930

Ion Ratio Lower Upper

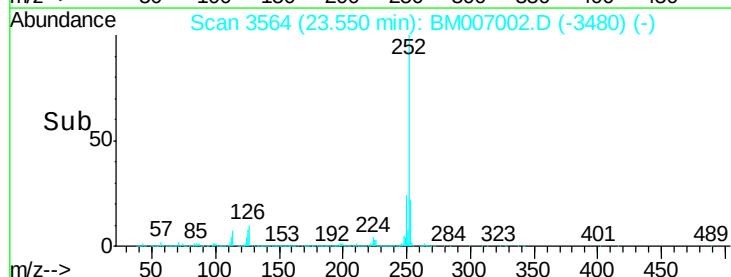
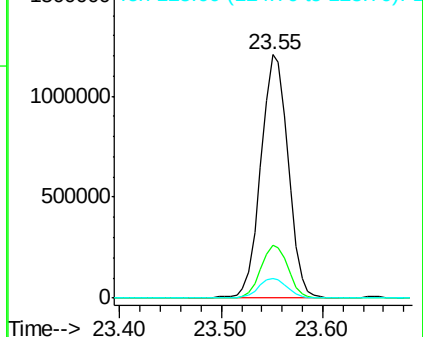
252 100

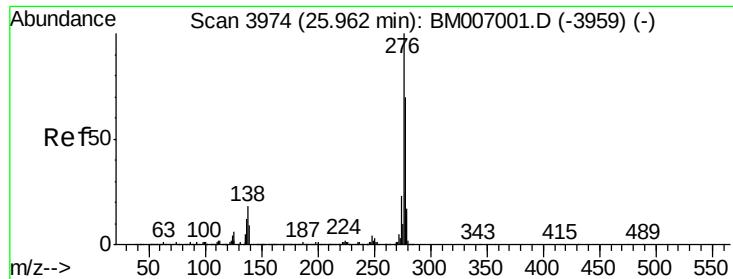
253 21.6 17.7 26.5

125 8.1 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





#39

Indeno(1,2,3-cd)pyrene

Concen: 19.87 ng/ul

RT: 25.96 min Scan# 3973

Delta R.T. -0.01 min

Lab File: BM007002.D

Acq: 10 Aug 2016 16:22

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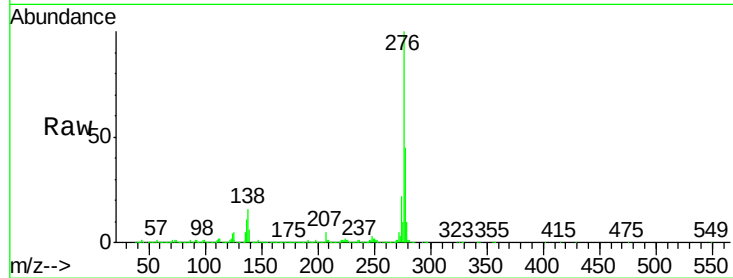
Tgt Ion:276 Resp: 3510120

Ion Ratio Lower Upper

276 100

138 16.4 14.9 22.3

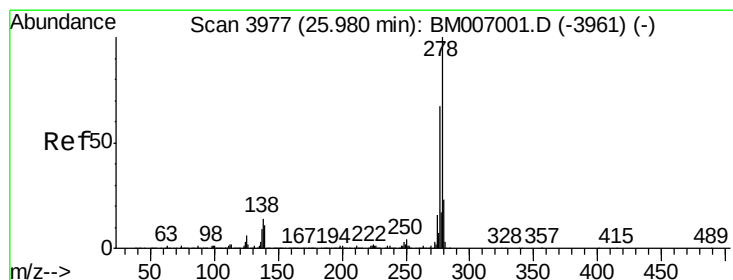
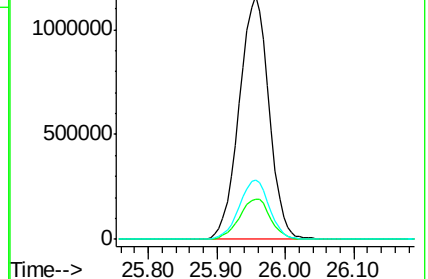
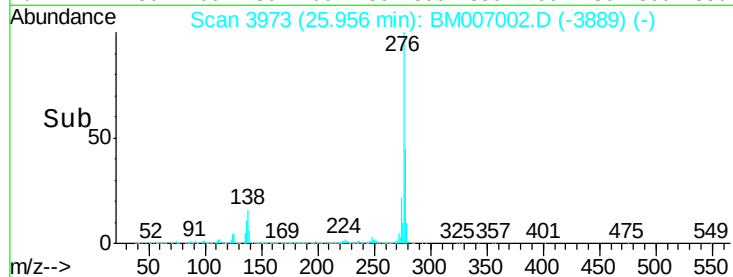
277 24.5 19.8 29.6



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: 12.76 ng/ul

RT: 25.97 min Scan# 3975

Delta R.T. -0.01 min

Lab File: BM007002.D

Acq: 10 Aug 2016 16:22

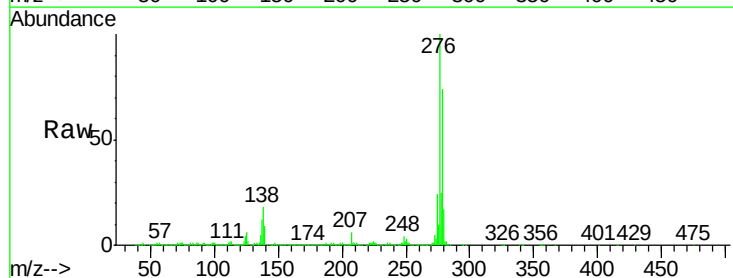
Tgt Ion:278 Resp: 1866608

Ion Ratio Lower Upper

278 100

139 12.2 10.3 15.5

279 23.3 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

