

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061816\
 Data File : BM005859.D
 Acq On : 17 Jun 2016 13:34
 Operator : UM/SJ
 Sample : H3535-22
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y12

Quant Time: Jun 17 14:43:12 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 17 10:48:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	22643	20.00	ng/ul	0.00
7) Naphthalene-d8	10.52	136	104886	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.37	164	66294	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.12	188	156040	20.00	ng/ul	0.00
29) Chrysene-d12	21.30	240	182758	20.00	ng/ul	0.00
34) Perylene-d12	23.56	264	155259	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	492	2.81	ng/uL	0.00
3) Phenol-d5	6.92	99	28389	14.98	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.06	67	17116	17.42	ng/ul	0.00
5) 2-Chlorophenol-d4	7.26	132	28172	17.82	ng/ul	0.00
6) 4-Methylphenol-d8	8.45	113	20020	11.82	ng/ul	0.00
8) Nitrobenzene-d5	8.89	128	14360	19.40	ng/ul	0.00
9) 2-Nitrophenol-d4	9.61	143	17746	19.62	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	31954	17.88	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	16996	14.06	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	113750	18.14	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	139476	19.30	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	5661	7.49	ng/ul	0.02
21) Fluorene-d10	15.37	176	101155	18.93	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	8636	8.20	ng/ul	0.00
26) Anthracene-d10	17.22	188	156193	19.17	ng/ul	0.00
30) Pyrene-d10	19.52	212	186756	21.56	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.41	264	150017	19.33	ng/ul	0.00

Target Compounds

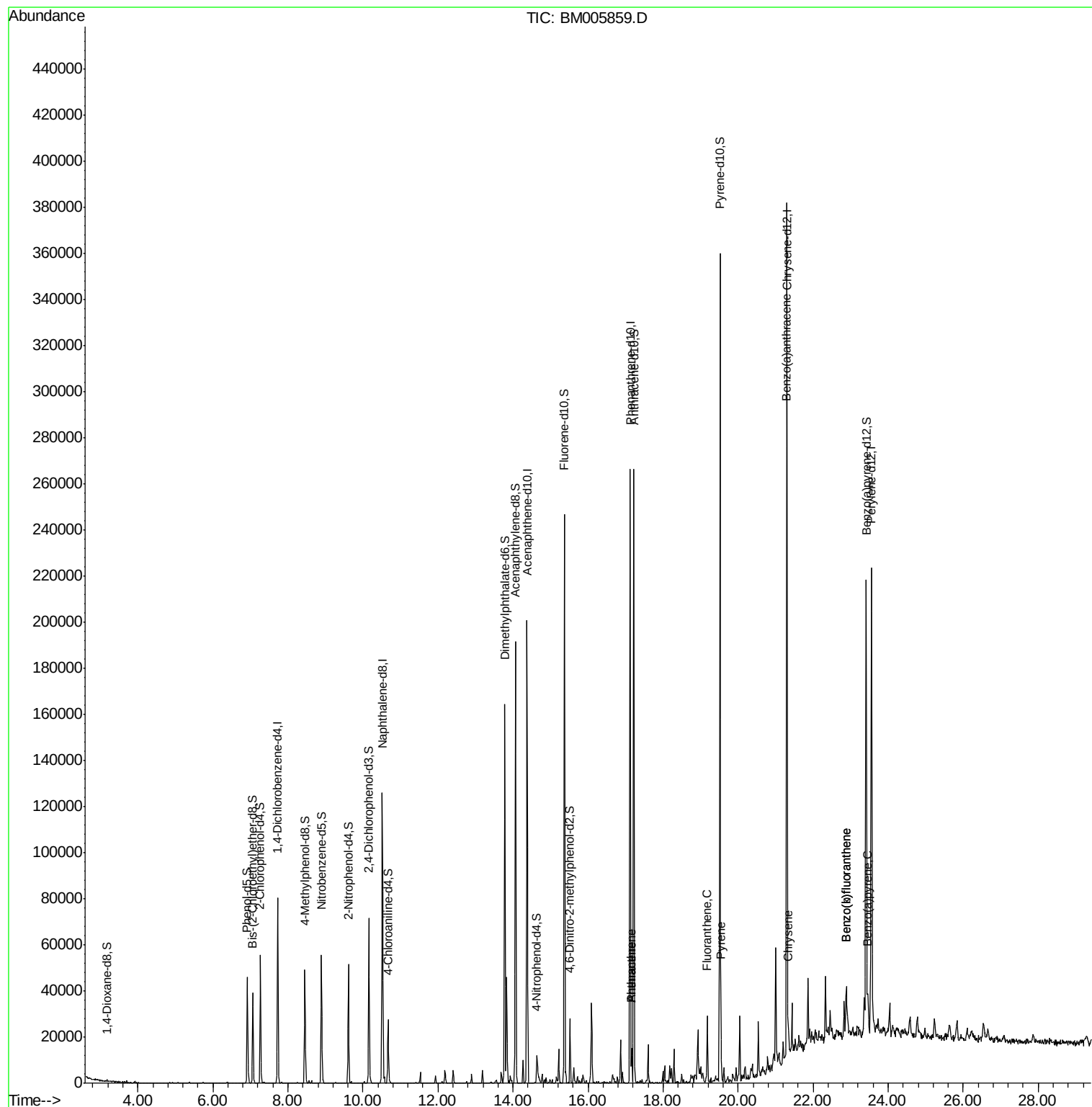
					Qvalue
25) Phenanthrene	17.16	178	11401	1.23 ng/ul	96
27) Anthracene	17.16	178	11401	1.20 ng/ul	96
28) Fluoranthene	19.18	202	18759	1.61 ng/ul	99
31) Pyrene	19.54	202	18497	1.71 ng/ul	98
32) Benzo(a)anthracene	21.29	228	12593	1.10 ng/ul#	95
33) Chrysene	21.34	228	14851	1.35 ng/ul#	92
35) Benzo(b)fluoranthene	22.88	252	24173	2.50 ng/ul#	98
36) Benzo(k)fluoranthene	22.88	252	24173	2.59 ng/ul#	99
38) Benzo(a)pyrene	23.46	252	12477	1.31 ng/ul#	96

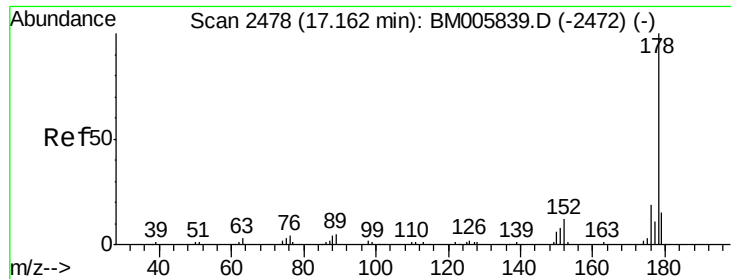
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061816\
Data File : BM005859.D
Acq On : 17 Jun 2016 13:34
Operator : UM/SJ
Sample : H3535-22
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9Y12

Quant Time: Jun 17 14:43:12 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 17 10:48:37 2016
Response via : Initial Calibration

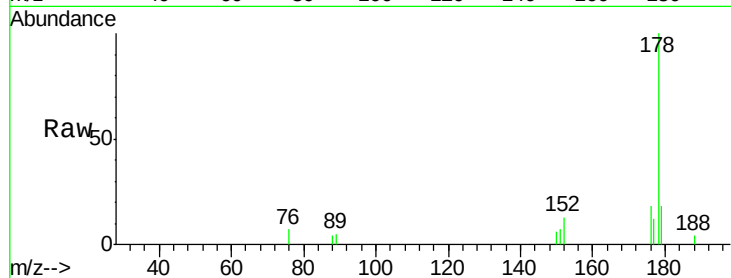




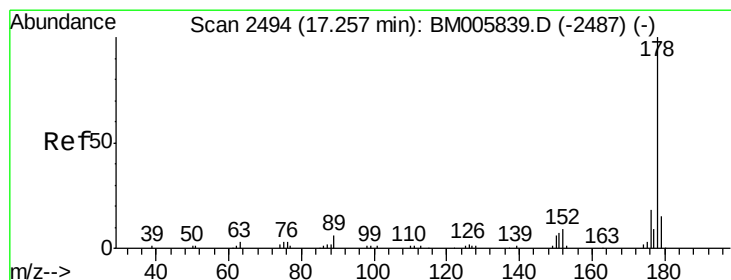
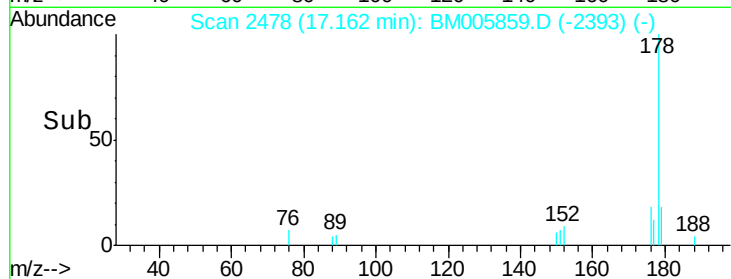
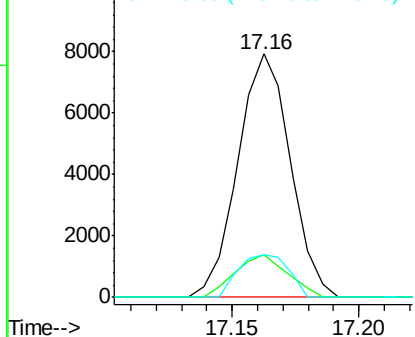
#25
Phenanthrene
Concen: 1.23 ng/ul
RT: 17.16 min Scan# 2478
Delta R.T. -0.00 min
Lab File: BM005859.D
Acq: 17 Jun 2016 13:34

Instrument :
BNA_M
ClientSampleId :
D9Y12

Tgt Ion:178 Resp: 11401
Ion Ratio Lower Upper
178 100
179 17.7 12.0 18.0
176 17.7 14.9 22.3

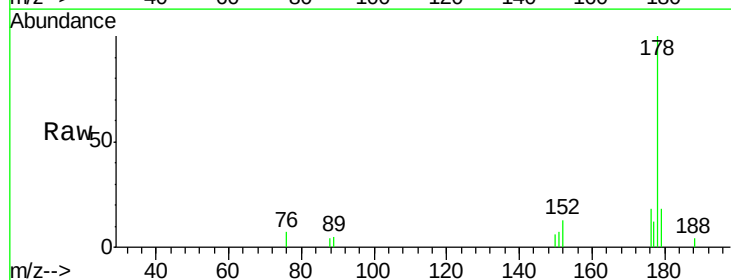


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

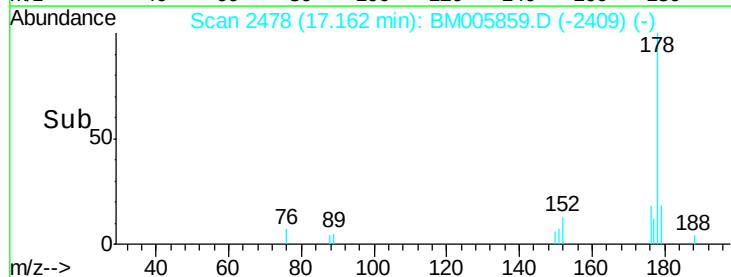
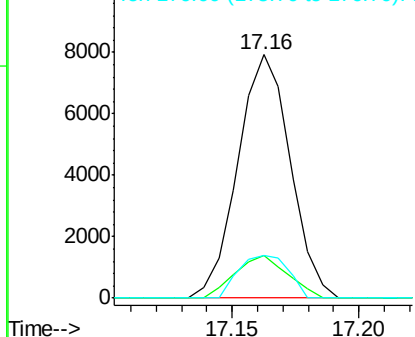


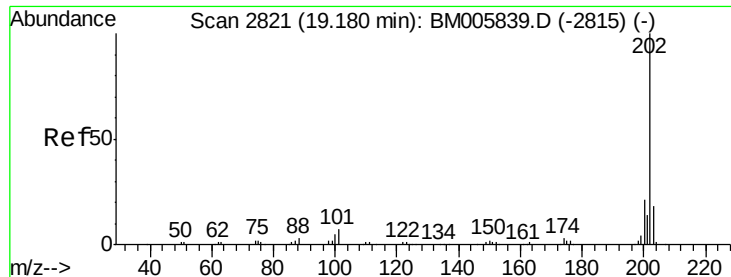
#27
Anthracene
Concen: 1.20 ng/ul
RT: 17.16 min Scan# 2478
Delta R.T. -0.09 min
Lab File: BM005859.D
Acq: 17 Jun 2016 13:34

Tgt Ion:178 Resp: 11401
Ion Ratio Lower Upper
178 100
179 17.7 11.9 17.9
176 17.7 14.8 22.2



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: 1.61 ng/ul

RT: 19.18 min Scan# 2821

Delta R.T. -0.00 min

Lab File: BM005859.D

Acq: 17 Jun 2016 13:34

Instrument :

BNA_M

ClientSampleId :

D9Y12

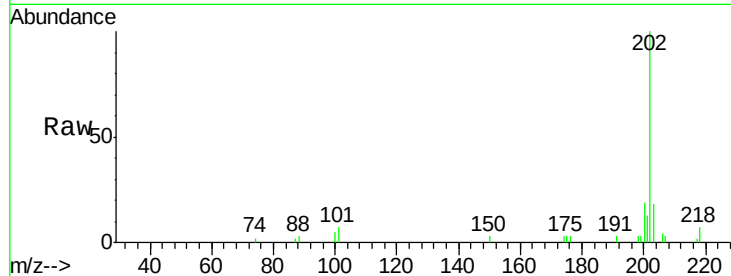
Tgt Ion:202 Resp: 18759

Ion Ratio Lower Upper

202 100

101 7.2 6.1 9.1

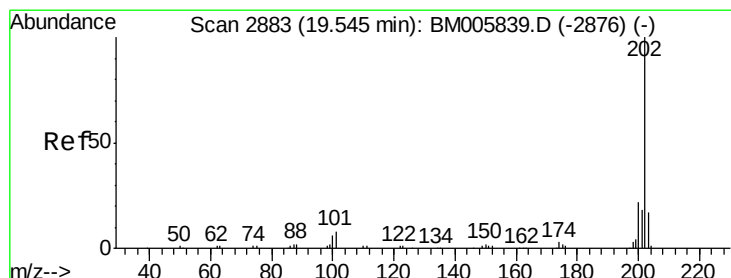
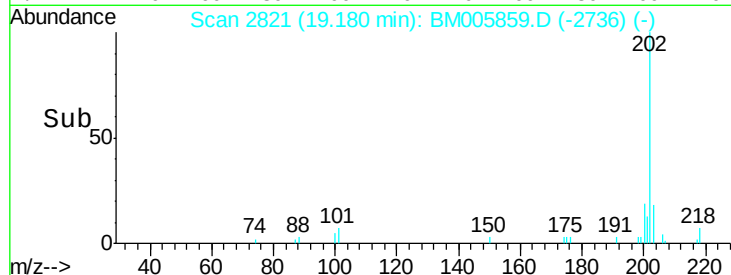
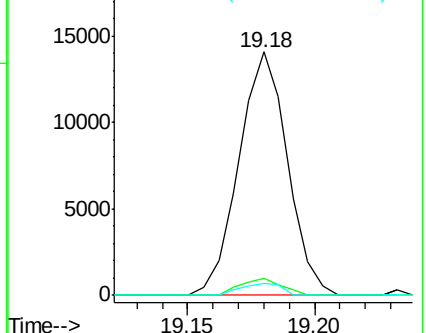
100 4.8 4.2 6.2



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: 1.71 ng/ul

RT: 19.54 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BM005859.D

Acq: 17 Jun 2016 13:34

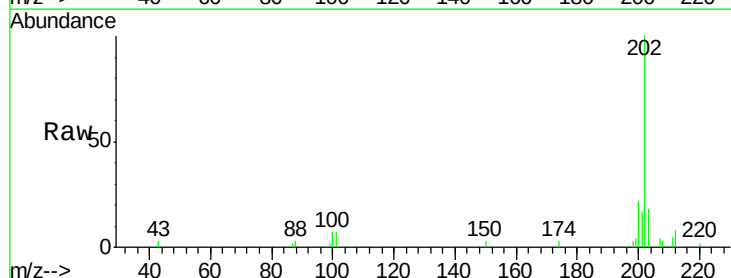
Tgt Ion:202 Resp: 18497

Ion Ratio Lower Upper

202 100

101 6.9 6.5 9.7

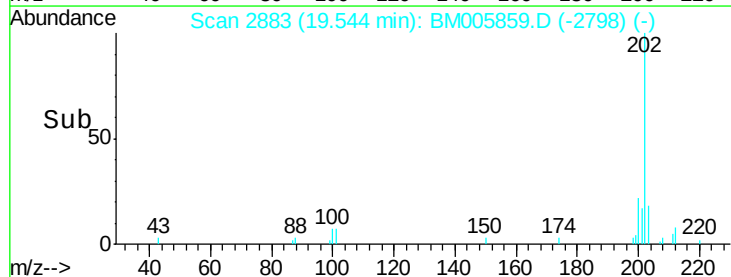
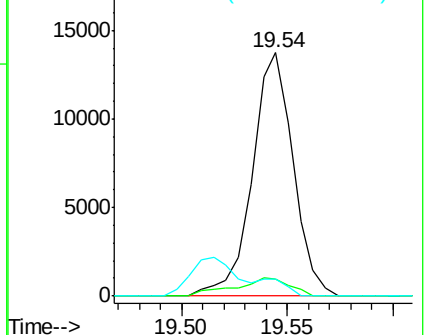
100 7.0 5.4 8.2

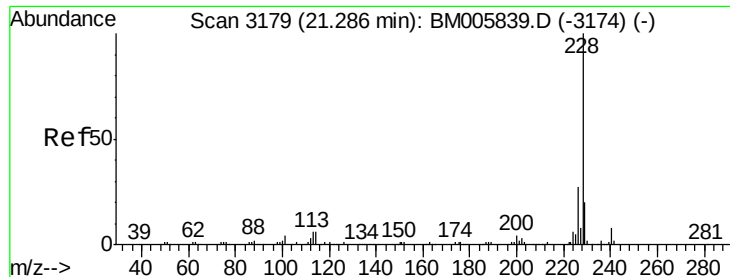


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 1.10 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.01 min

Lab File: BM005859.D

Acq: 17 Jun 2016 13:34

Instrument :

BNA_M

ClientSampleId :

D9Y12

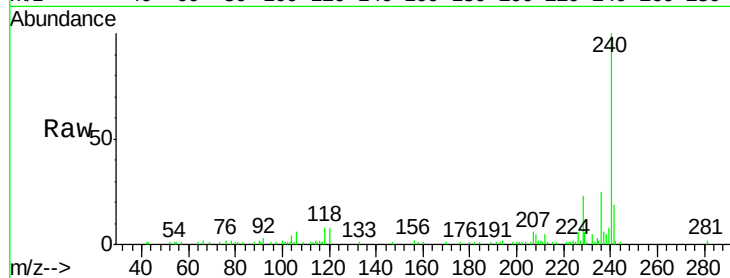
Tgt Ion:228 Resp: 12593

Ion Ratio Lower Upper

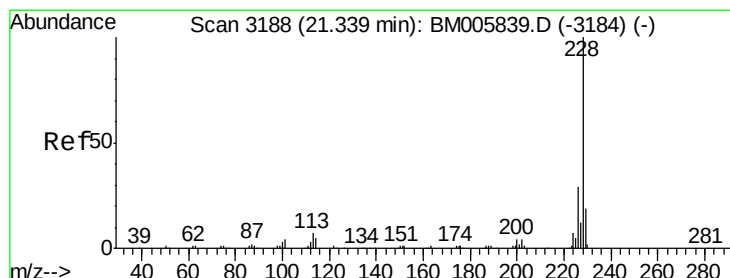
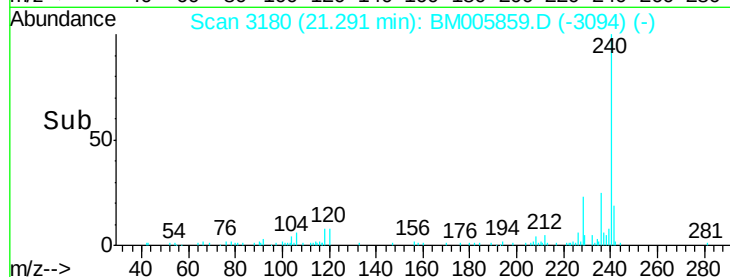
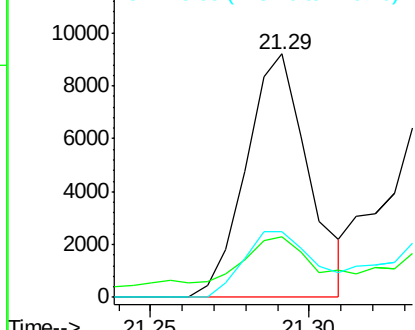
228 100

229 24.7 15.8 23.6#

226 27.2 21.8 32.6



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: 1.35 ng/ul

RT: 21.34 min Scan# 3188

Delta R.T. -0.00 min

Lab File: BM005859.D

Acq: 17 Jun 2016 13:34

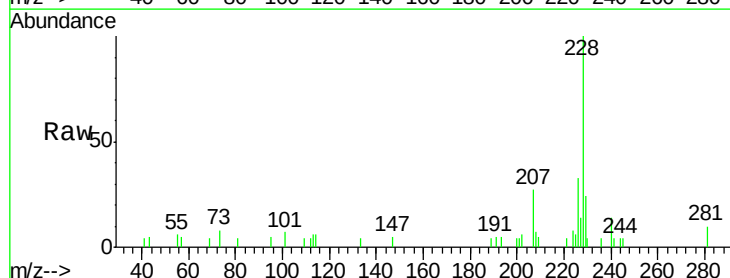
Tgt Ion:228 Resp: 14851

Ion Ratio Lower Upper

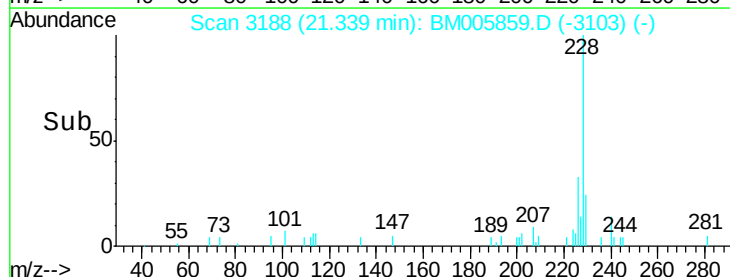
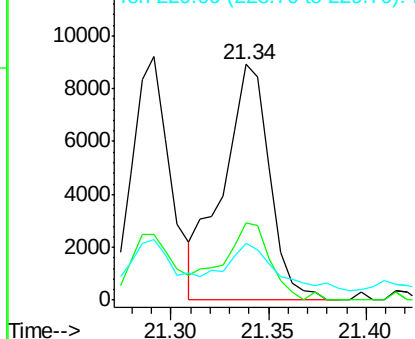
228 100

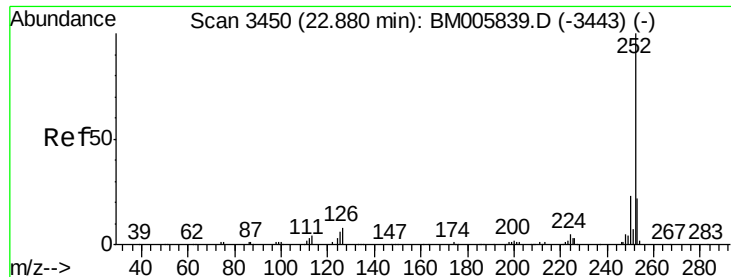
226 32.6 23.5 35.3

229 23.9 15.4 23.0#



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: 2.50 ng/ul

RT: 22.88 min Scan# 3450

Delta R.T. -0.00 min

Lab File: BM005859.D

Acq: 17 Jun 2016 13:34

Instrument :

BNA_M

ClientSampleId :

D9Y12

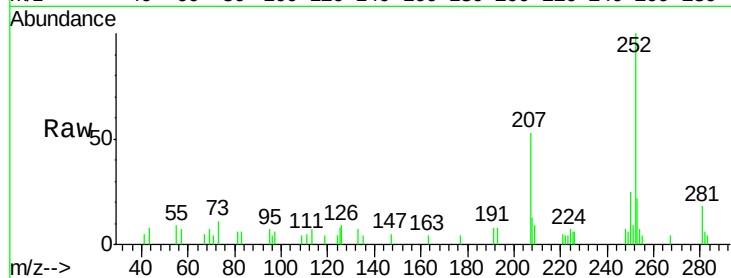
Tgt Ion:252 Resp: 24173

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

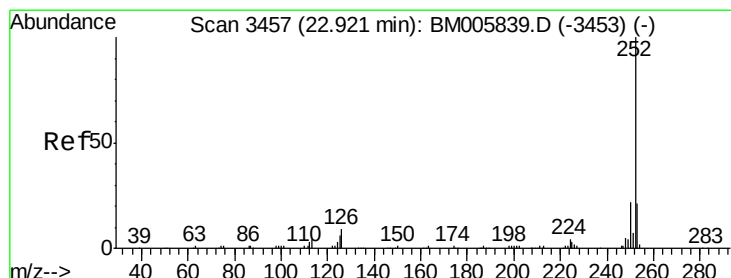
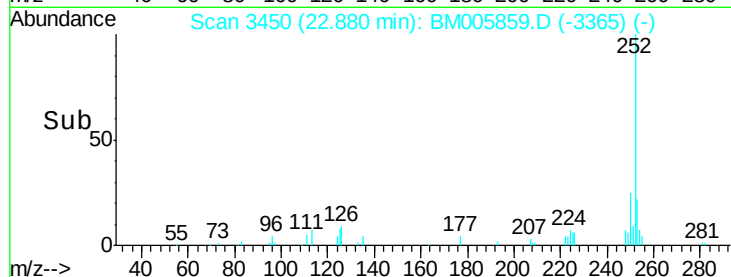
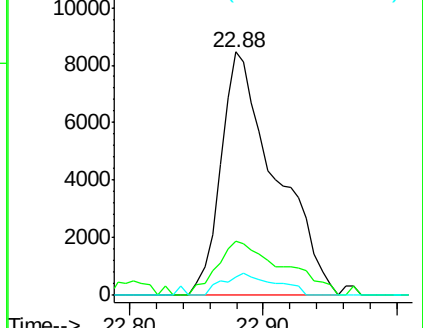
125 7.5 4.9 7.3#



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: 2.59 ng/ul

RT: 22.88 min Scan# 3450

Delta R.T. -0.04 min

Lab File: BM005859.D

Acq: 17 Jun 2016 13:34

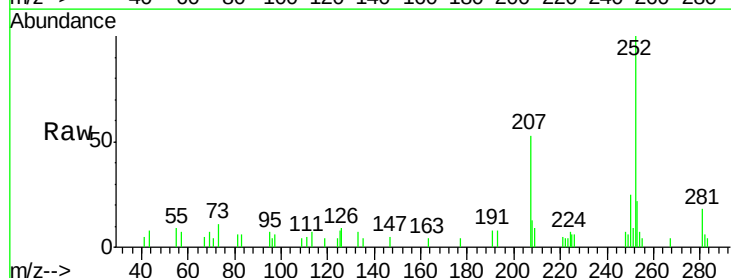
Tgt Ion:252 Resp: 24173

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

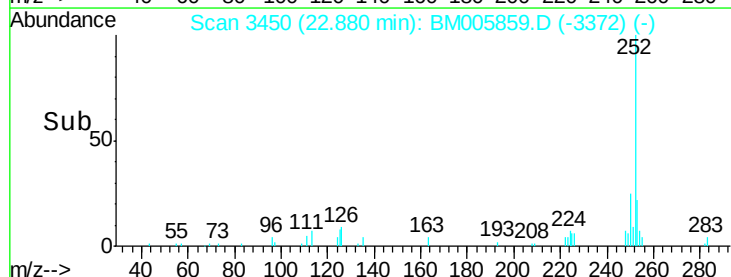
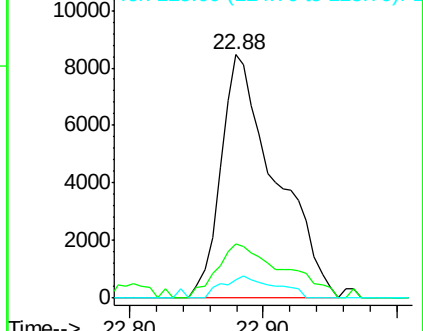
125 7.5 4.8 7.2#

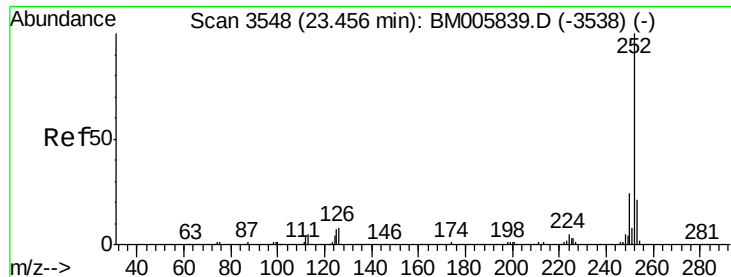


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 1.31 ng/ul

RT: 23.46 min Scan# 3548

Delta R.T. -0.00 min

Lab File: BM005859.D

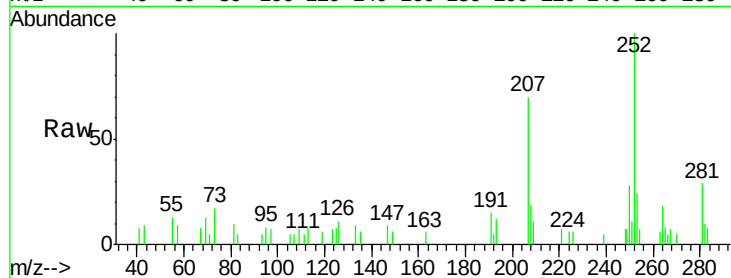
Acq: 17 Jun 2016 13:34

Instrument :

BNA_M

ClientSampleId :

D9Y12



Tgt Ion:	252	Resp:	12477
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.0	27.0
125	8.0	5.1	7.7#

