

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061716\
 Data File : BM005852.D
 Acq On : 17 Jun 2016 05:50
 Operator : UM/SJ
 Sample : H3537-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y43

Quant Time: Jun 17 07:12:39 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 17 01:56:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	33117	20.00	ng/ul	0.00
7) Naphthalene-d8	10.52	136	154298	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.37	164	95461	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.12	188	216733	20.00	ng/ul	0.00
29) Chrysene-d12	21.31	240	217729	20.00	ng/ul	0.00
34) Perylene-d12	23.56	264	197276	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	846	3.31	ng/uL	0.00
3) Phenol-d5	6.92	99	49992	18.03	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.06	67	27781	19.33	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	47047	19.94	ng/ul	0.00
6) 4-Methylphenol-d8	8.45	113	37950	15.31	ng/ul	0.00
8) Nitrobenzene-d5	8.89	128	23074	21.19	ng/ul	0.00
9) 2-Nitrophenol-d4	9.61	143	27646	20.77	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	50887	19.36	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	31074	17.47	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	170955	18.93	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	211582	20.34	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	11566	10.63	ng/ul	0.01
21) Fluorene-d10	15.37	176	150613	19.57	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	14885	10.18	ng/ul	0.00
26) Anthracene-d10	17.22	188	228456	20.19	ng/ul	0.00
30) Pyrene-d10	19.52	212	259801	25.17	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.42	264	198266	20.10	ng/ul	0.00

Target Compounds

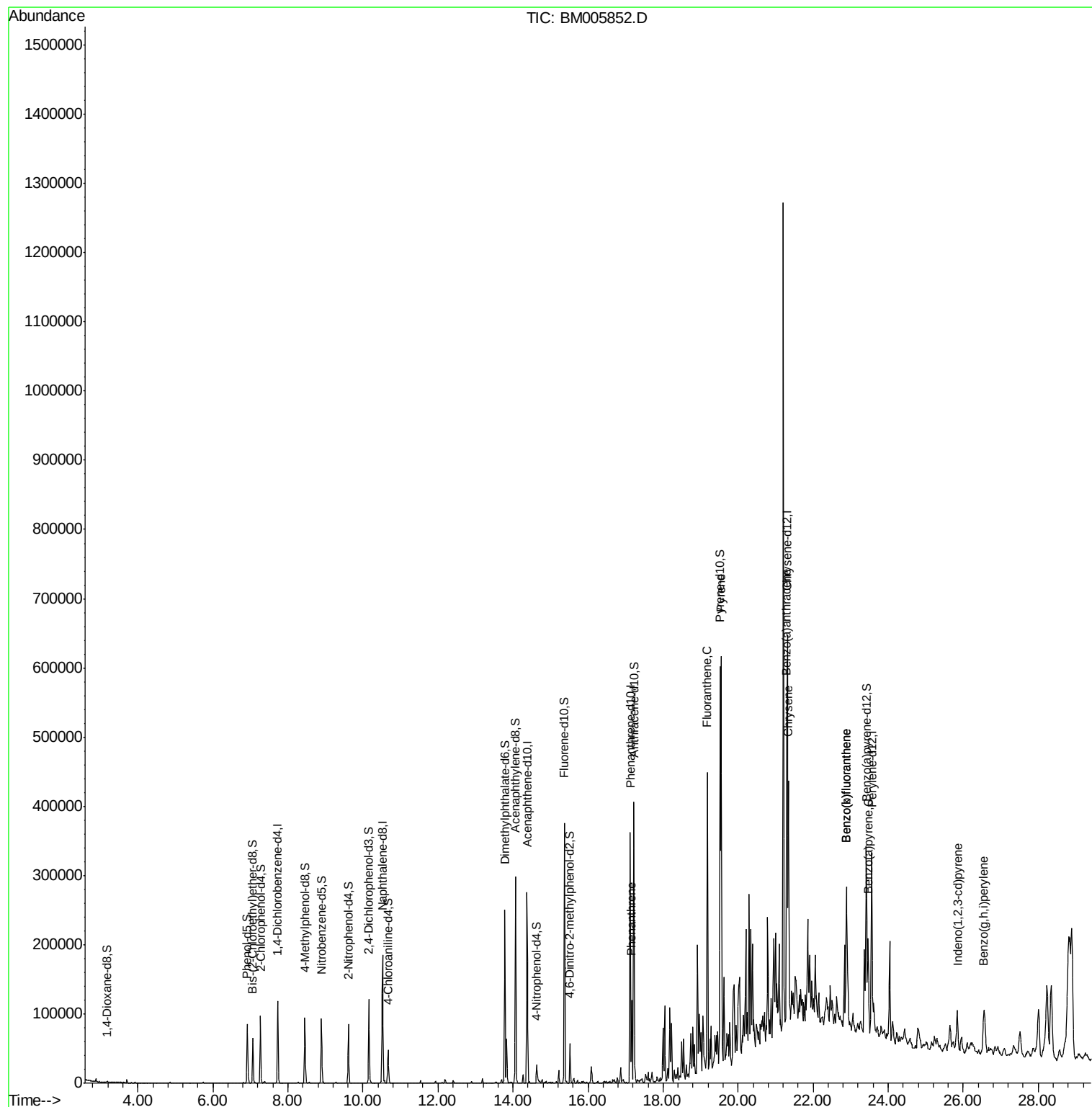
						Qvalue
25) Phenanthrene	17.16	178	73445	5.69	ng/ul	96
28) Fluoranthene	19.19	202	248243	15.31	ng/ul	98
31) Pyrene	19.55	202	358530	27.86	ng/ul	99
32) Benzo(a)anthracene	21.29	228	162867	11.98	ng/ul	97
33) Chrysene	21.34	228	197846	15.11	ng/ul	97
35) Benzo(b)fluoranthene	22.89	252	149229	12.15	ng/ul#	95
36) Benzo(k)fluoranthene	22.89	252	149229	12.58	ng/ul#	96
38) Benzo(a)pyrene	23.47	252	99759	8.27	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.84	276	59076	4.01	ng/ul	99
41) Benzo(g,h,i)perylene	26.55	276	58956	4.70	ng/ul	98

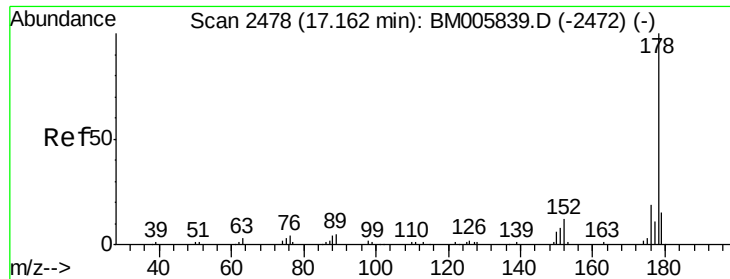
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 5.69 ng/ul

RT: 17.16 min Scan# 2478

Delta R.T. -0.00 min

Lab File: BM005852.D

Acq: 17 Jun 2016 05:50

Instrument :

BNA_M

ClientSampleId :

D9Y43

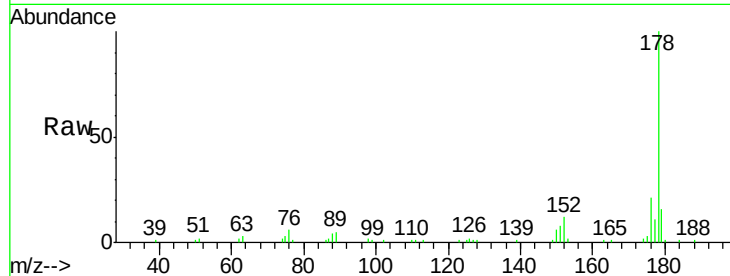
Tgt Ion:178 Resp: 73445

Ion Ratio Lower Upper

178 100

179 16.0 12.0 18.0

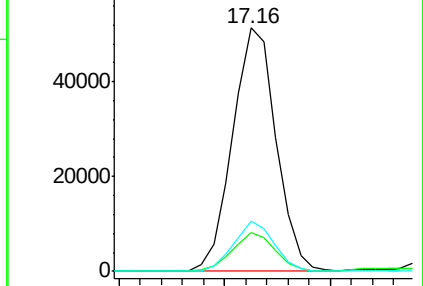
176 20.7 14.9 22.3



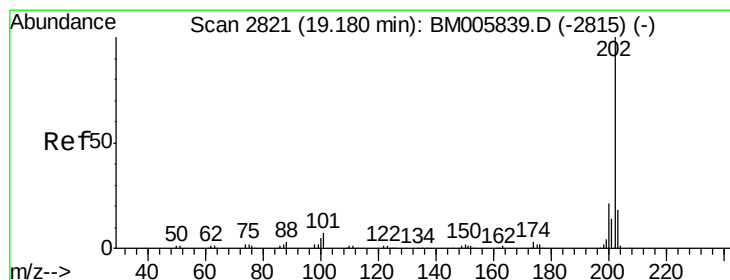
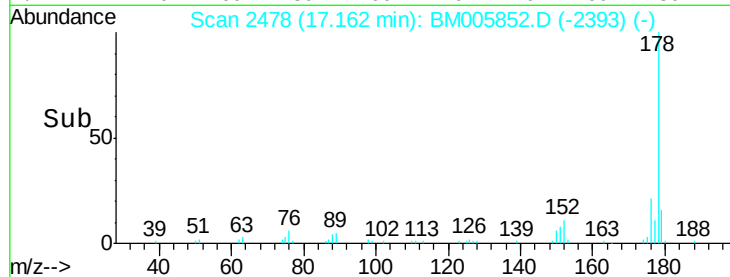
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.10 17.15 17.20



#28

Fluoranthene

Concen: 15.31 ng/ul

RT: 19.19 min Scan# 2822

Delta R.T. 0.01 min

Lab File: BM005852.D

Acq: 17 Jun 2016 05:50

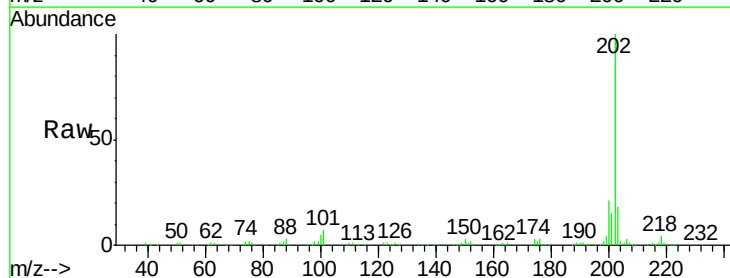
Tgt Ion:202 Resp: 248243

Ion Ratio Lower Upper

202 100

101 6.8 6.1 9.1

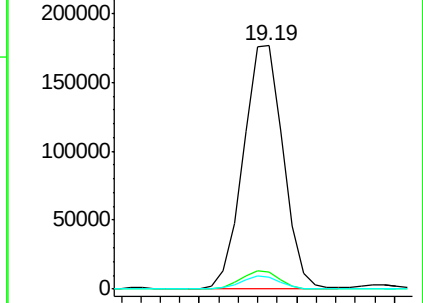
100 4.7 4.2 6.2



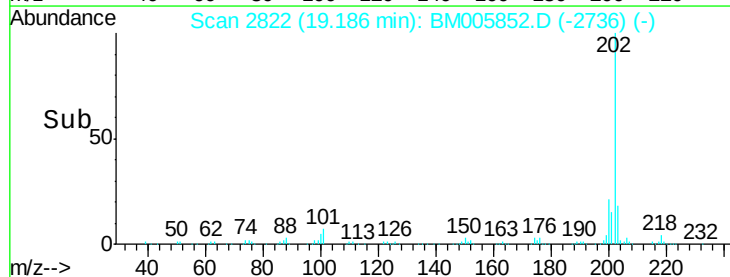
Abundance Ion 202.00 (201.70 to 202.70): E

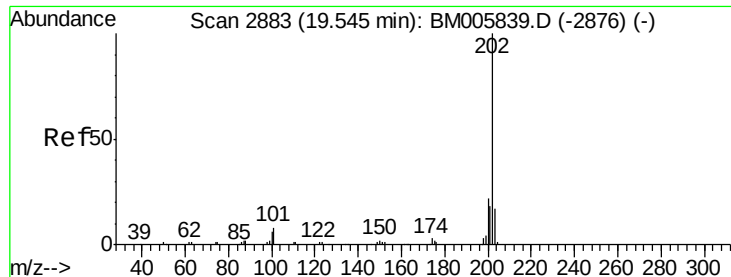
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.15 19.20

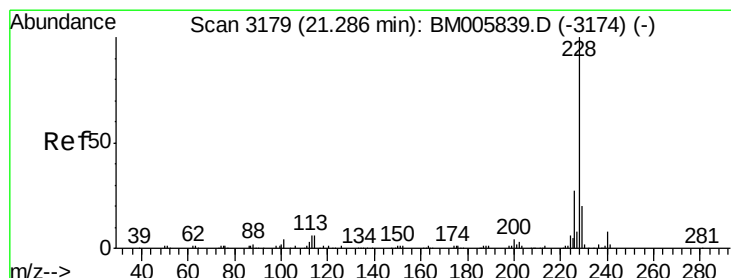
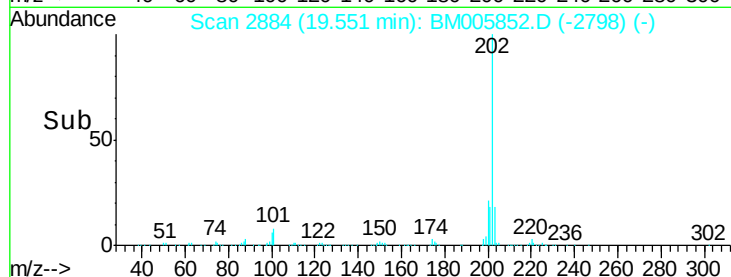
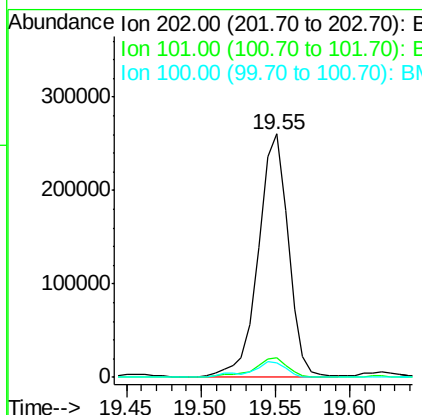
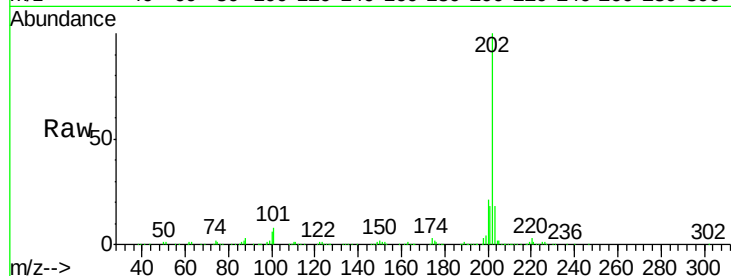




#31
 Pyrene
 Concen: 27.86 ng/ul
 RT: 19.55 min Scan# 2884
 Delta R.T. 0.01 min
 Lab File: BM005852.D
 Acq: 17 Jun 2016 05:50

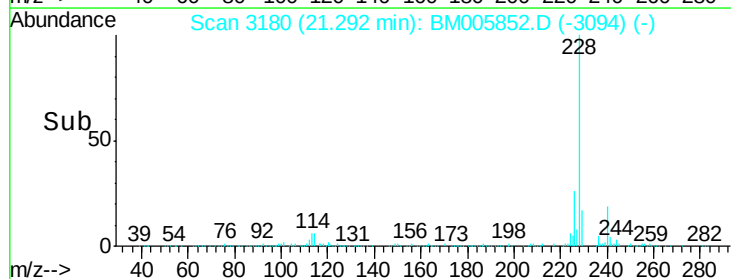
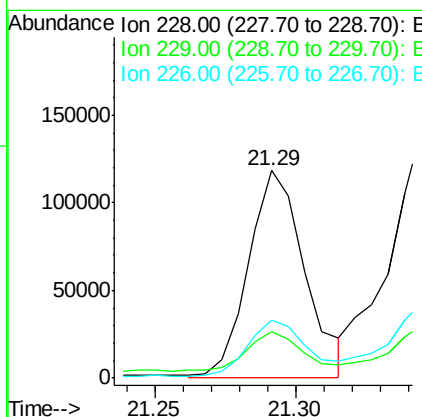
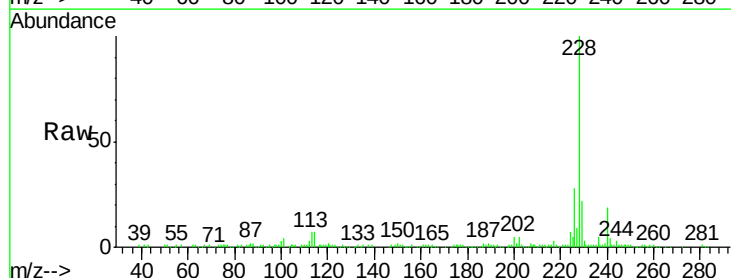
Instrument :
 BNA_M
 ClientSampleId :
 D9Y43

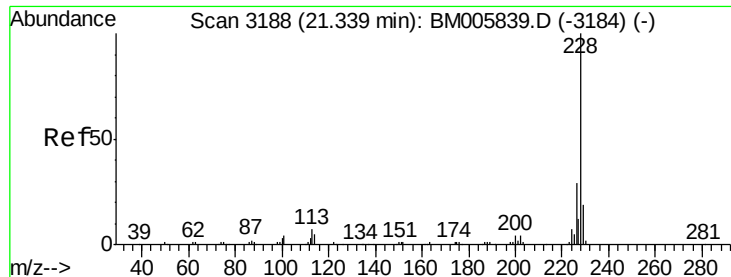
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	6.5	9.7
100	6.1	5.4	8.2



#32
 Benzo(a)anthracene
 Concen: 11.98 ng/ul
 RT: 21.29 min Scan# 3180
 Delta R.T. 0.01 min
 Lab File: BM005852.D
 Acq: 17 Jun 2016 05:50

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.3	15.8	23.6
226	27.9	21.8	32.6





#33

Chrysene

Concen: 15.11 ng/ul

RT: 21.34 min Scan# 3189

Delta R.T. 0.01 min

Lab File: BM005852.D

Acq: 17 Jun 2016 05:50

Instrument :

BNA_M

ClientSampleId :

D9Y43

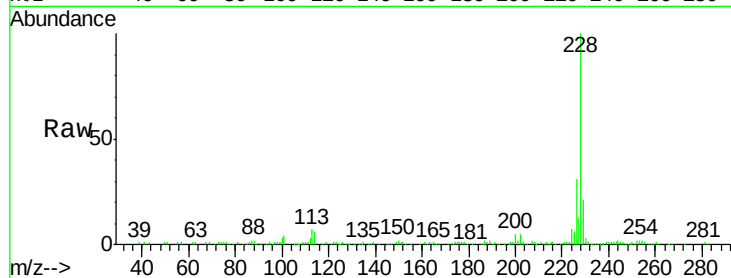
Tgt Ion:228 Resp: 197846

Ion Ratio Lower Upper

228 100

226 30.7 23.5 35.3

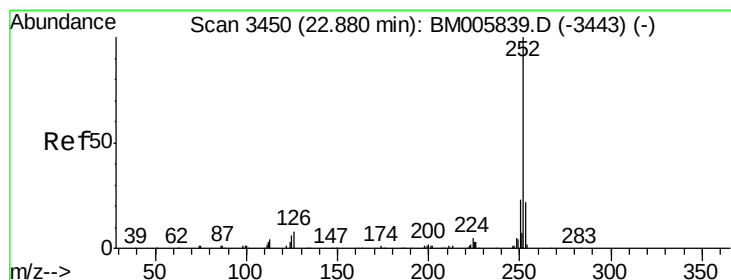
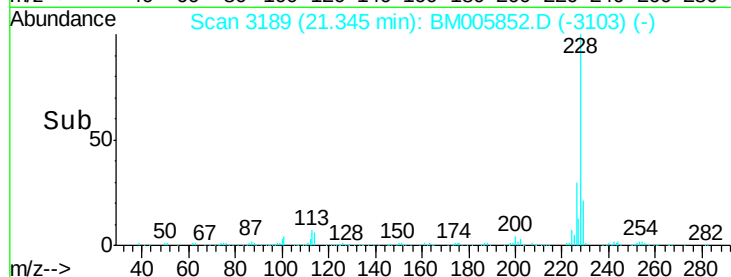
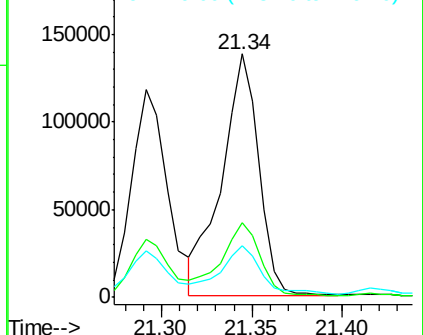
229 21.4 15.4 23.0



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: 12.15 ng/ul

RT: 22.89 min Scan# 3451

Delta R.T. 0.01 min

Lab File: BM005852.D

Acq: 17 Jun 2016 05:50

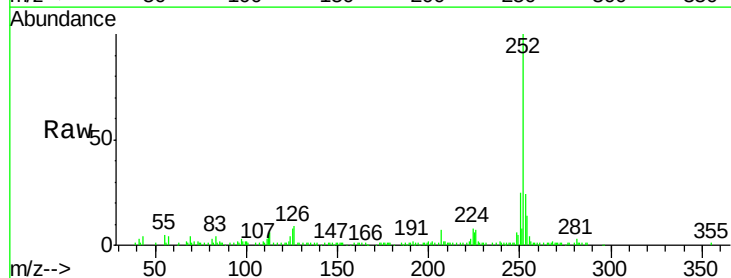
Tgt Ion:252 Resp: 149229

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

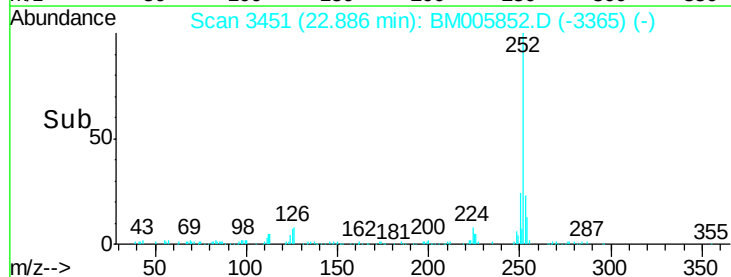
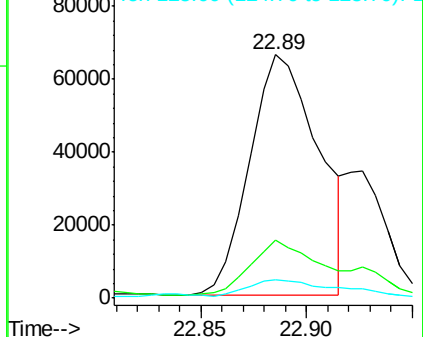
125 7.5 4.9 7.3#

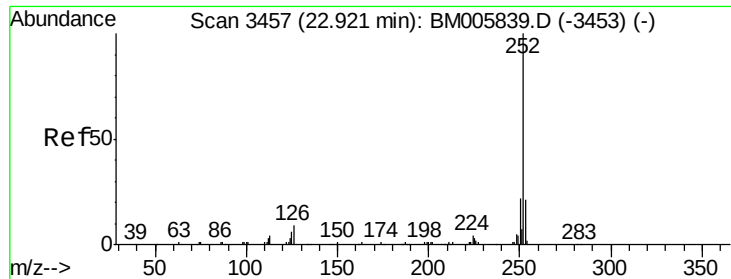


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

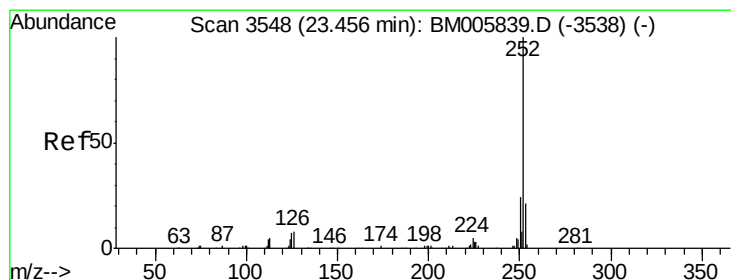
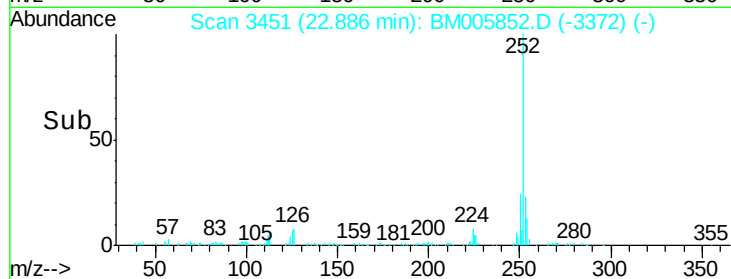
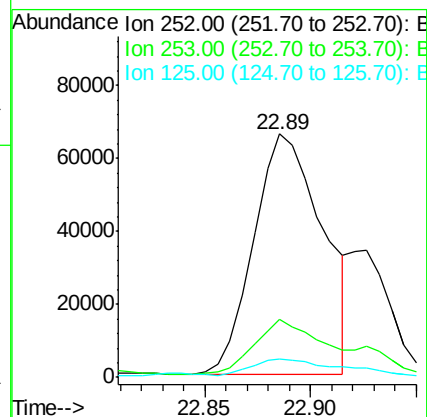
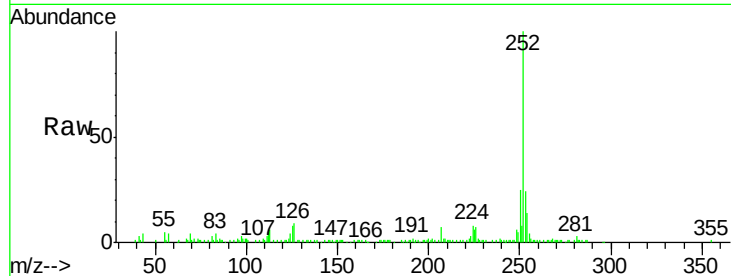




#36
Benzo(k)fluoranthene
Concen: 12.58 ng/ul
RT: 22.89 min Scan# 3451
Delta R.T. -0.04 min
Lab File: BM005852.D
Acq: 17 Jun 2016 05:50

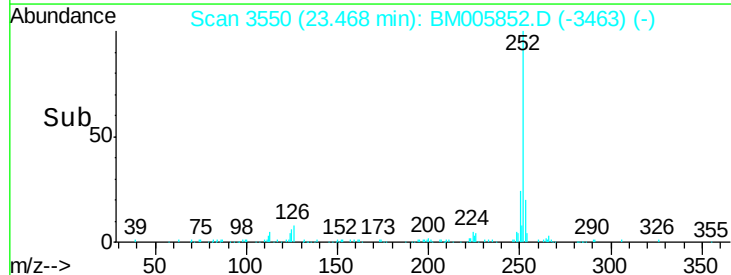
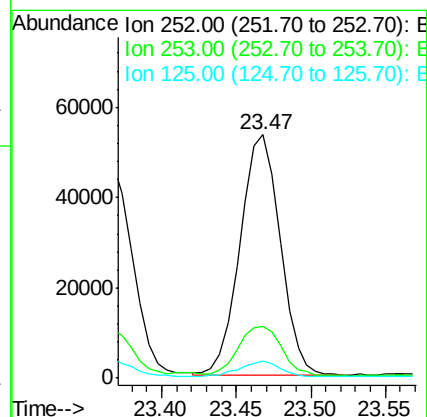
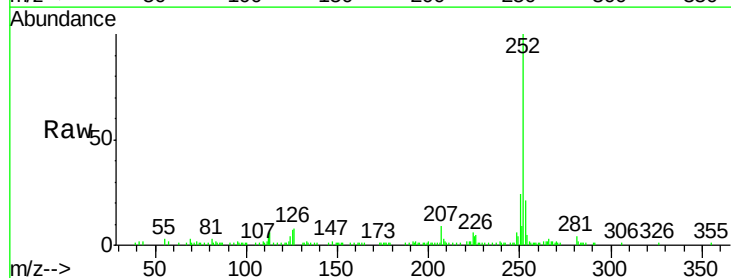
Instrument :
BNA_M
ClientSampleId :
D9Y43

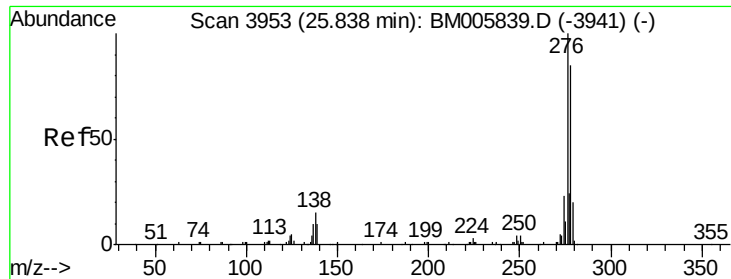
Tgt Ion:252 Resp: 149229
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 7.5 4.8 7.2#



#38
Benzo(a)pyrene
Concen: 8.27 ng/ul
RT: 23.47 min Scan# 3550
Delta R.T. 0.01 min
Lab File: BM005852.D
Acq: 17 Jun 2016 05:50

Tgt Ion:252 Resp: 99759
Ion Ratio Lower Upper
252 100
253 21.4 18.0 27.0
125 6.9 5.1 7.7





#39

Indeno(1,2,3-cd)pyrene

Concen: 4.01 ng/ul

RT: 25.84 min Scan# 3954

Delta R.T. 0.01 min

Lab File: BM005852.D

Acq: 17 Jun 2016 05:50

Instrument :

BNA_M

ClientSampleId :

D9Y43

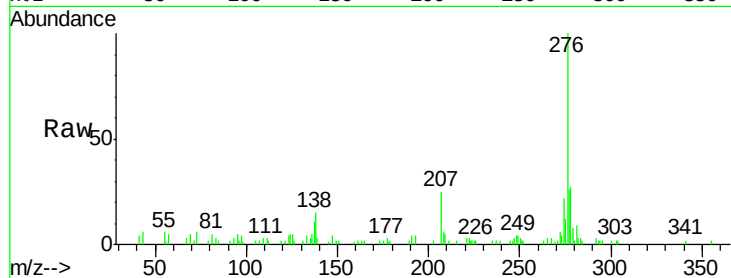
Tgt Ion:276 Resp: 59076

Ion Ratio Lower Upper

276 100

138 15.2 11.9 17.9

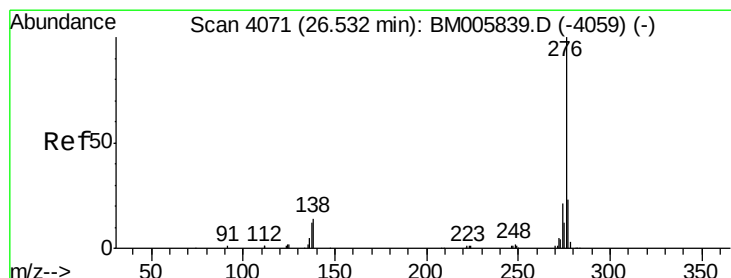
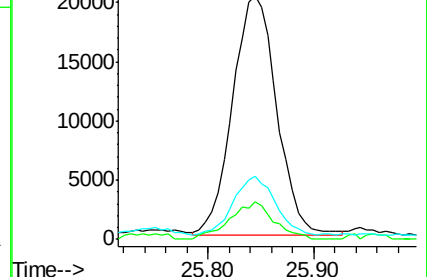
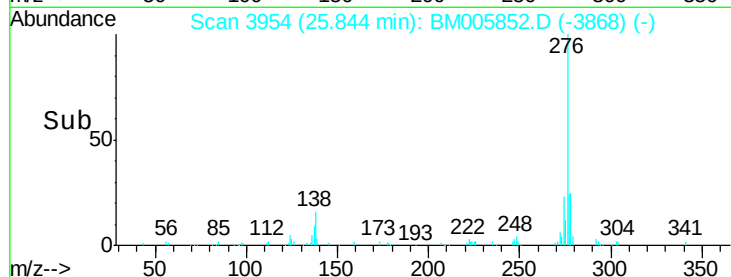
277 25.7 21.0 31.6



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



#41

Benzo(g,h,i)perylene

Concen: 4.70 ng/ul

RT: 26.55 min Scan# 4074

Delta R.T. 0.02 min

Lab File: BM005852.D

Acq: 17 Jun 2016 05:50

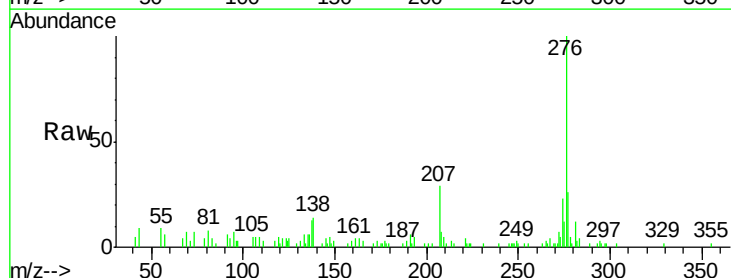
Tgt Ion:276 Resp: 58956

Ion Ratio Lower Upper

276 100

138 14.2 10.6 15.8

277 25.7 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

