

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061816\
 Data File : BM005870.D
 Acq On : 17 Jun 2016 20:35
 Operator : UM/SJ
 Sample : H3537-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y43

Quant Time: Jun 17 23:18:53 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	17722	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	79945	20.00	ng/ul	0.01
15) Acenaphthene-d10	14.39	164	50626	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.13	188	118810	20.00	ng/ul	0.01
29) Chrysene-d12	21.32	240	120520	20.00	ng/ul	0.01
34) Perylene-d12	23.58	264	106126	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	449	3.28	ng/uL	0.00
3) Phenol-d5	6.93	99	29822	20.10	ng/ul	0.02
4) Bis-(2-Chloroethyl)ether-d	7.07	67	16333	21.24	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	28063	22.68	ng/ul	0.01
6) 4-Methylphenol-d8	8.46	113	23513	17.73	ng/ul	0.01
8) Nitrobenzene-d5	8.90	128	13944	24.71	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	16611	24.09	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	32506	23.87	ng/ul	0.01
12) 4-Chloroaniline-d4	10.67	131	19585	21.25	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	117043	24.44	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	140606	25.48	ng/ul	0.00
20) 4-Nitrophenol-d4	14.66	143	6416	11.12	ng/ul	0.04
21) Fluorene-d10	15.38	176	101662	24.91	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.54	200	6926	8.64	ng/ul	0.02
26) Anthracene-d10	17.23	188	156407	25.21	ng/ul	0.01
30) Pyrene-d10	19.53	212	171801	30.07	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.43	264	138556	26.11	ng/ul	0.02

Target Compounds

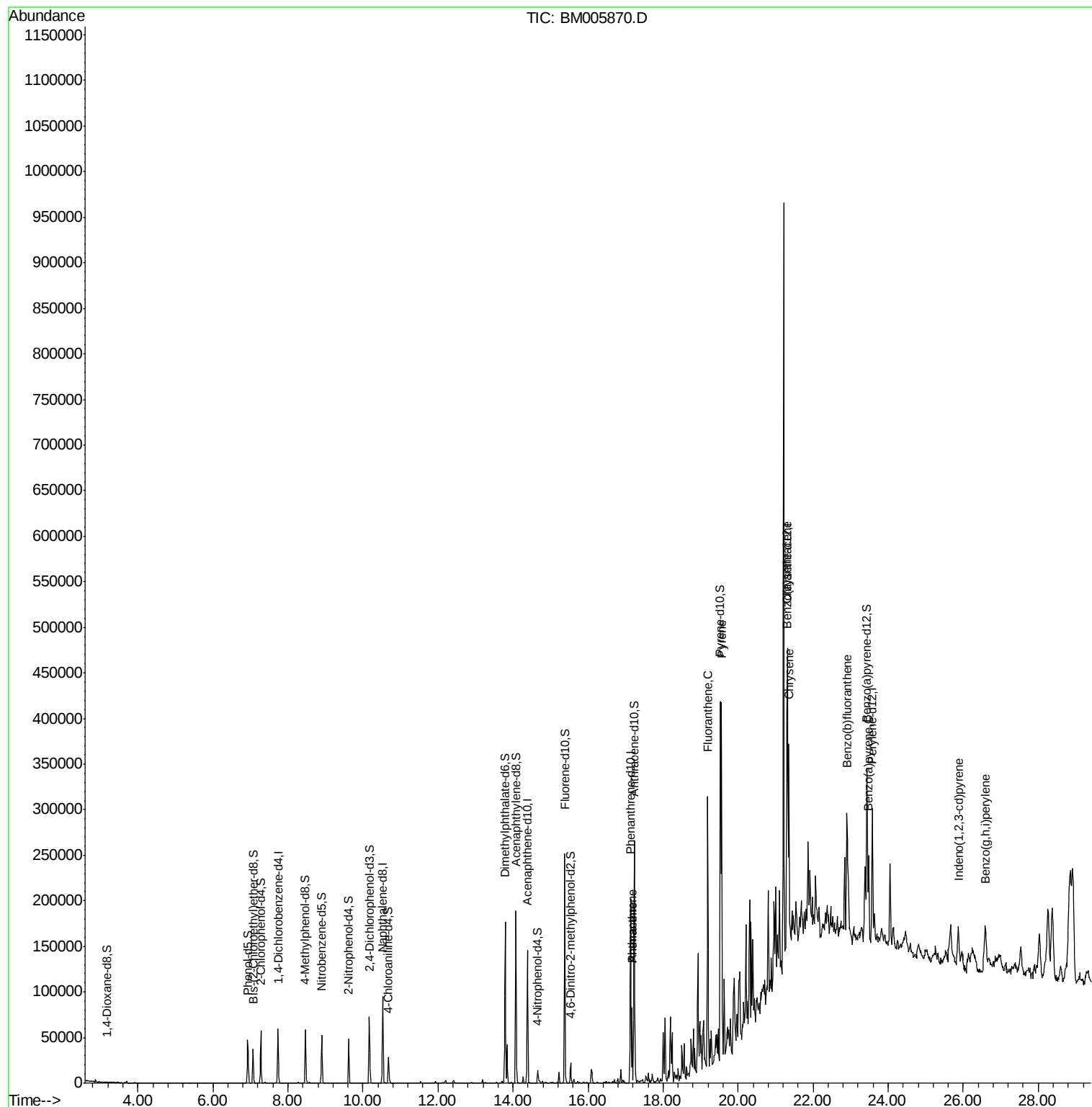
						Qvalue
25) Phenanthrene	17.17	178	50999	7.21	ng/ul	99
27) Anthracene	17.17	178	50999	7.05	ng/ul	99
28) Fluoranthene	19.19	202	166311	18.71	ng/ul	99
31) Pyrene	19.56	202	239132	33.57	ng/ul	99
32) Benzo(a)anthracene	21.30	228	107516	14.28	ng/ul	97
33) Chrysene	21.36	228	135049	18.63	ng/ul	95
35) Benzo(b)fluoranthene	22.90	252	109726	16.61	ng/ul#	97
38) Benzo(a)pyrene	23.48	252	70603	10.89	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.87	276	39834	5.02	ng/ul	99
41) Benzo(g,h,i)perylene	26.58	276	38266	5.67	ng/ul	97

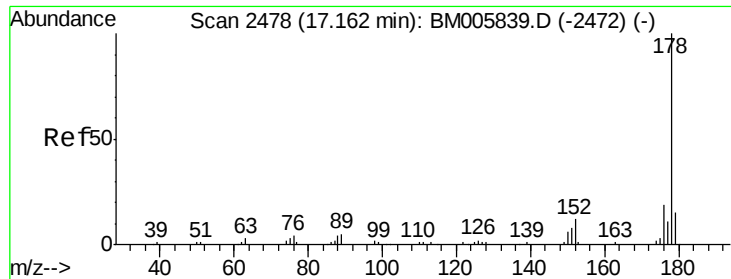
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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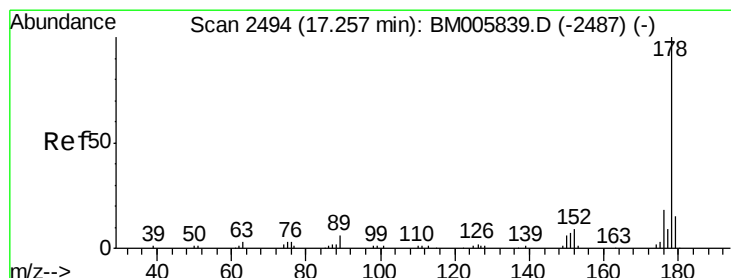
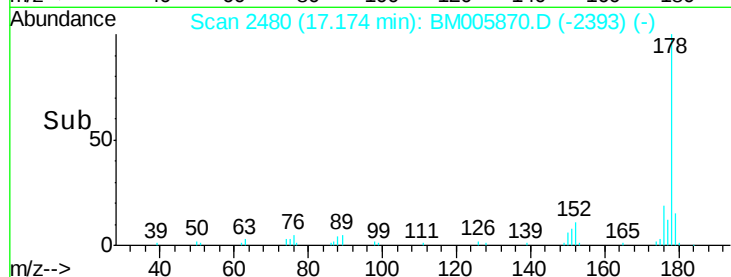
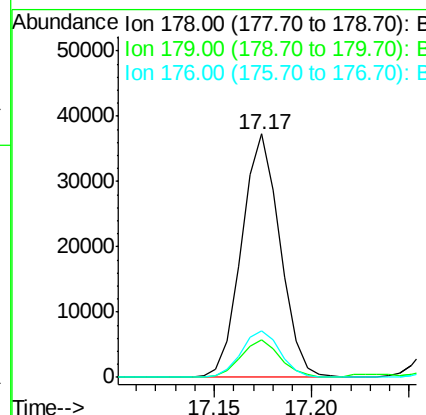
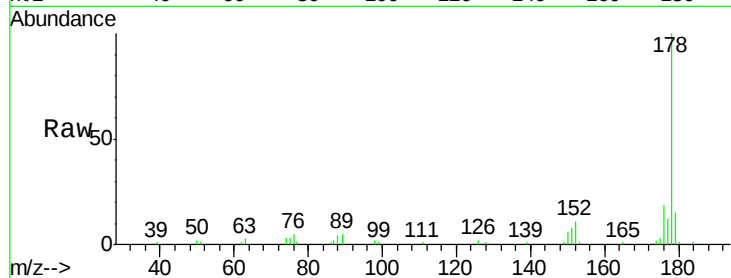




#25
Phenanthrene
Concen: 7.21 ng/ul
RT: 17.17 min Scan# 2480
Delta R.T. 0.01 min
Lab File: BM005870.D
Acq: 17 Jun 2016 20:35

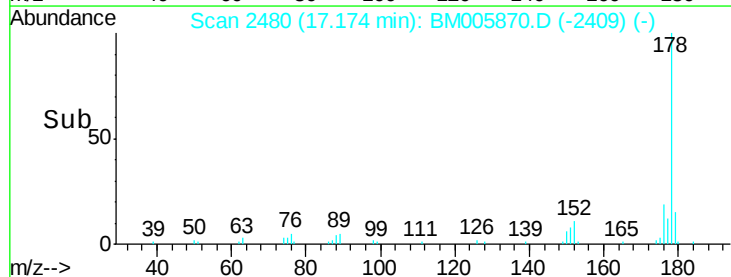
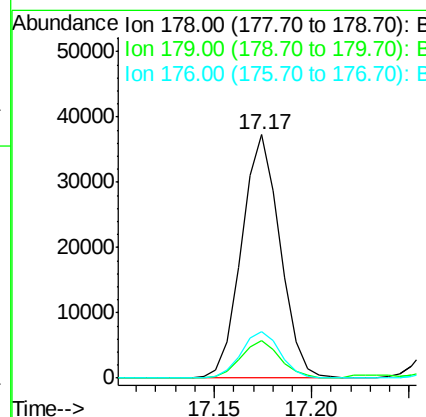
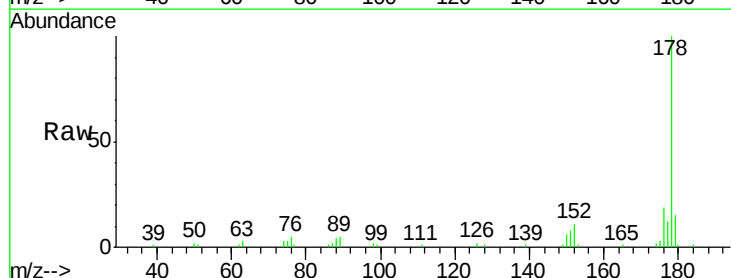
Instrument :
BNA_M
ClientSampleId :
D9Y43

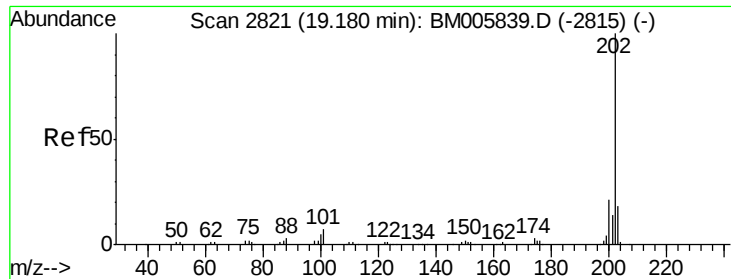
Tgt Ion:178 Resp: 50999
Ion Ratio Lower Upper
178 100
179 15.3 12.0 18.0
176 19.1 14.9 22.3



#27
Anthracene
Concen: 7.05 ng/ul
RT: 17.17 min Scan# 2480
Delta R.T. -0.08 min
Lab File: BM005870.D
Acq: 17 Jun 2016 20:35

Tgt Ion:178 Resp: 50999
Ion Ratio Lower Upper
178 100
179 15.3 11.9 17.9
176 19.1 14.8 22.2

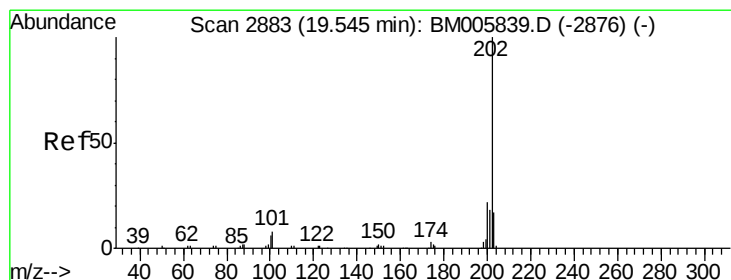
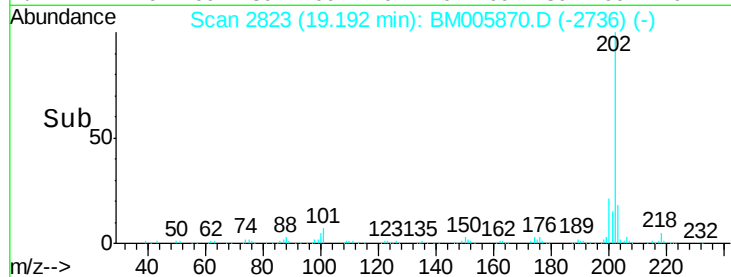
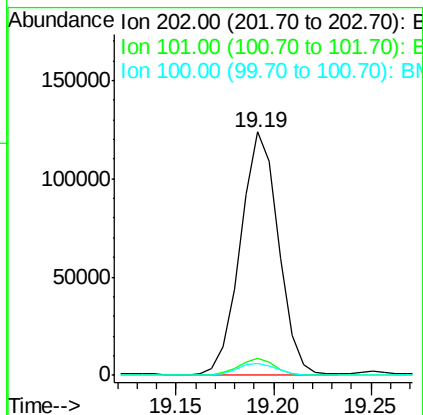
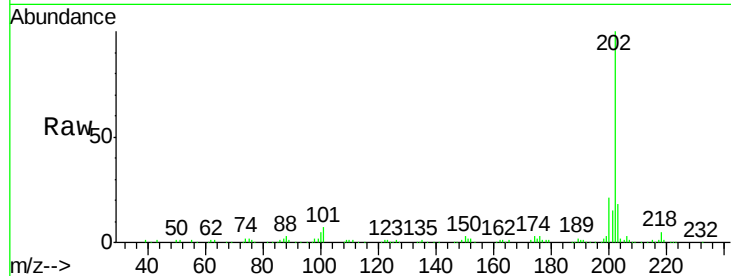




#28
Fluoranthene
Concen: 18.71 ng/ul
RT: 19.19 min Scan# 2823
Delta R.T. 0.01 min
Lab File: BM005870.D
Acq: 17 Jun 2016 20:35

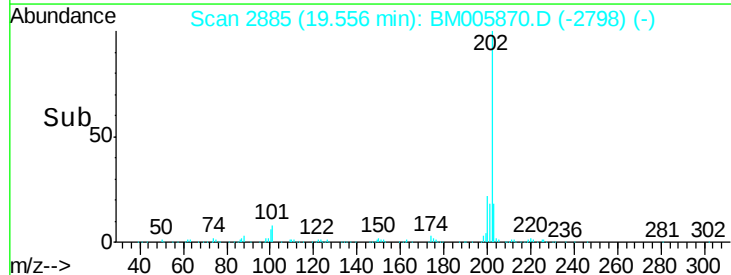
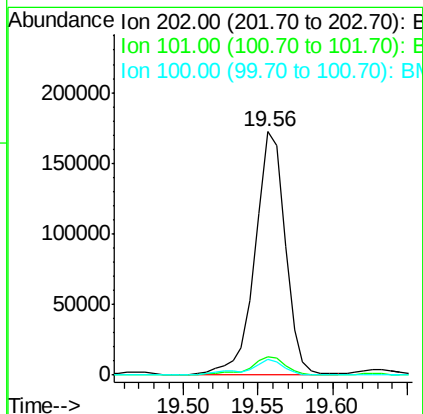
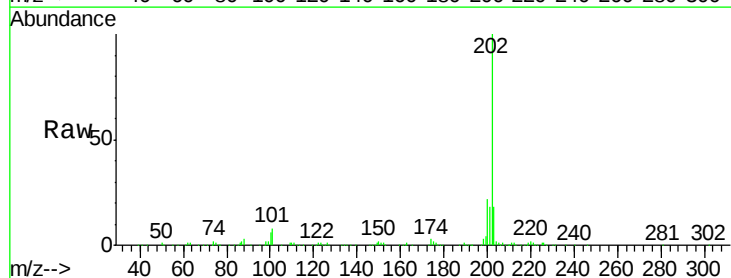
Instrument :
BNA_M
ClientSampleId :
D9Y43

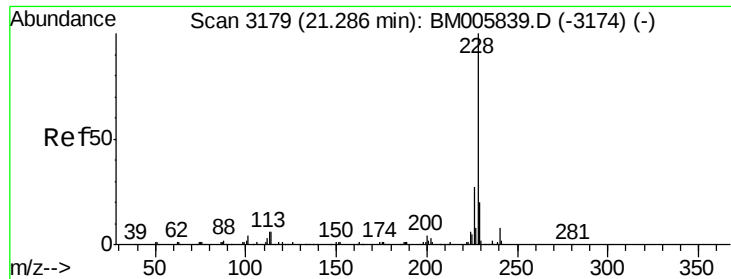
Tgt Ion: 202 Resp: 166311
Ion Ratio Lower Upper
202 100
101 6.8 6.1 9.1
100 5.1 4.2 6.2



#31
Pyrene
Concen: 33.57 ng/ul
RT: 19.56 min Scan# 2885
Delta R.T. 0.01 min
Lab File: BM005870.D
Acq: 17 Jun 2016 20:35

Tgt Ion: 202 Resp: 239132
Ion Ratio Lower Upper
202 100
101 7.7 6.5 9.7
100 6.2 5.4 8.2





#32

Benzo(a)anthracene

Concen: 14.28 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. 0.02 min

Lab File: BM005870.D

Acq: 17 Jun 2016 20:35

Instrument :

BNA_M

ClientSampleId :

D9Y43

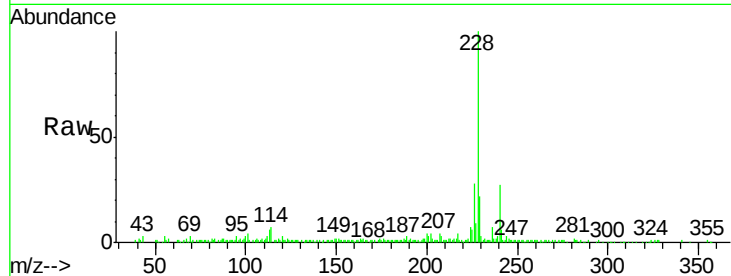
Tgt Ion:228 Resp: 107516

Ion Ratio Lower Upper

228 100

229 22.3 15.8 23.6

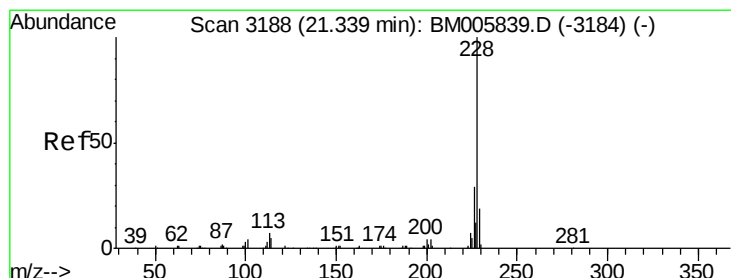
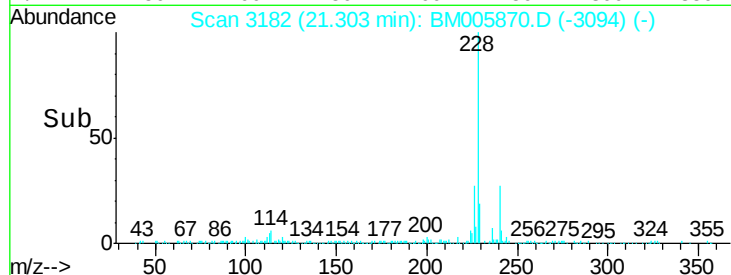
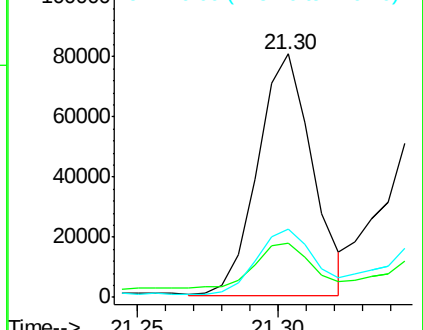
226 27.9 21.8 32.6



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: 18.63 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. 0.02 min

Lab File: BM005870.D

Acq: 17 Jun 2016 20:35

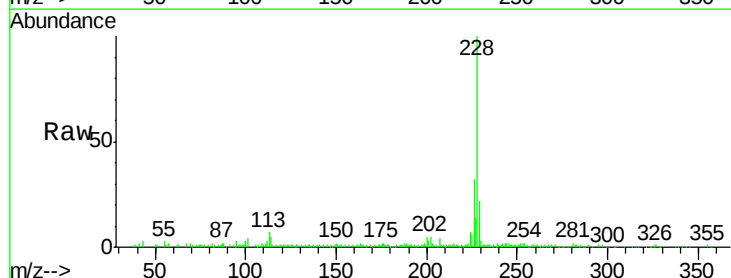
Tgt Ion:228 Resp: 135049

Ion Ratio Lower Upper

228 100

226 31.8 23.5 35.3

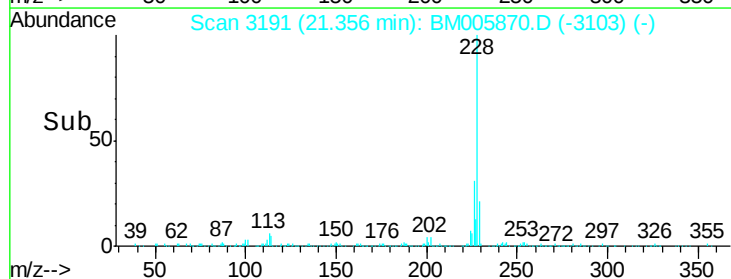
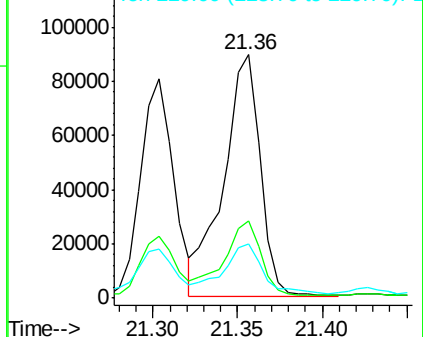
229 22.0 15.4 23.0

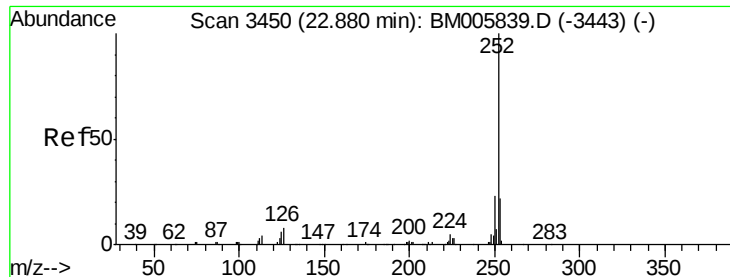


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 16.61 ng/ul

RT: 22.90 min Scan# 3453

Delta R.T. 0.02 min

Lab File: BM005870.D

Acq: 17 Jun 2016 20:35

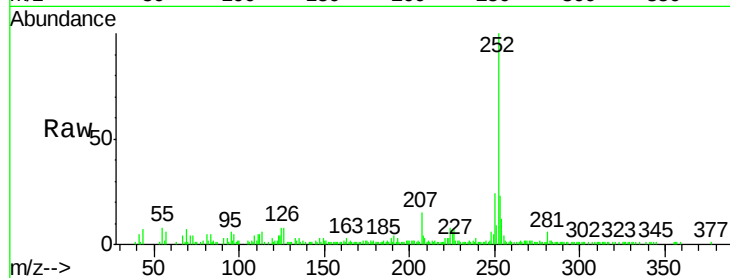
Instrument :

BNA_M

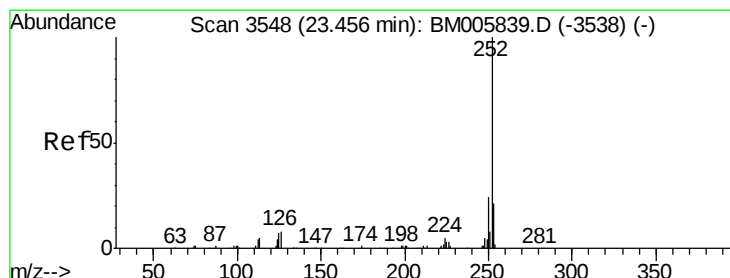
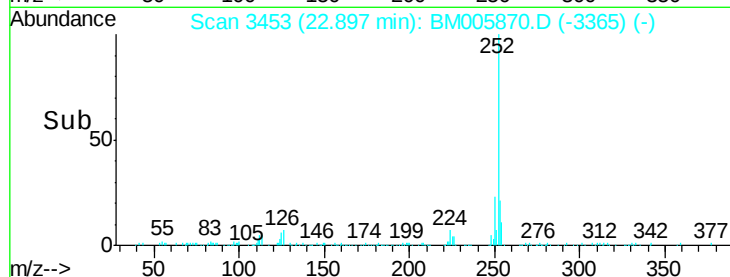
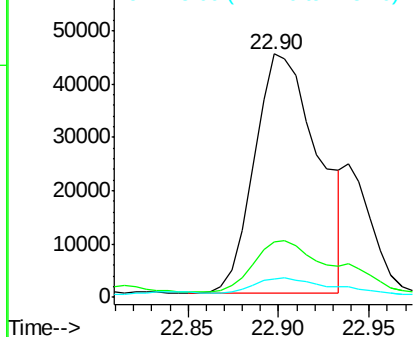
ClientSampleId :

D9Y43

Tgt Ion:	252	Resp:	109726
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.1	25.7
125	7.7	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



#38

Benzo(a)pyrene

Concen: 10.89 ng/ul

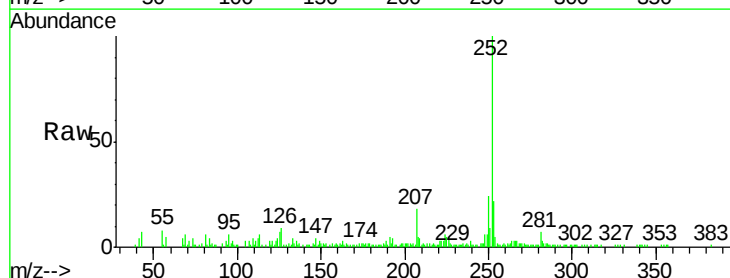
RT: 23.48 min Scan# 3552

Delta R.T. 0.02 min

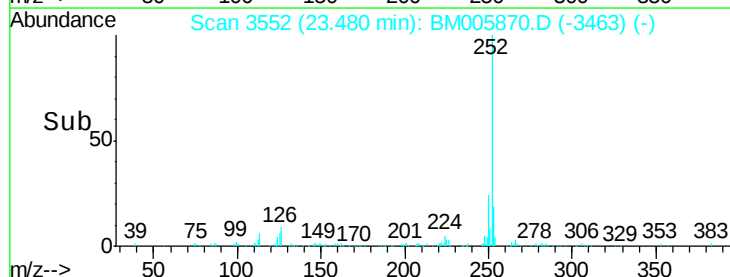
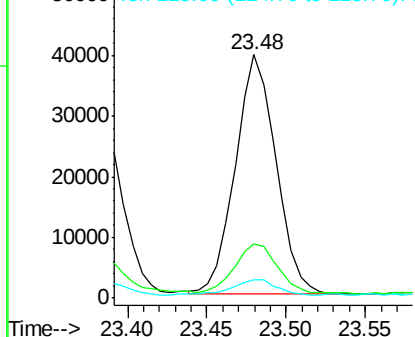
Lab File: BM005870.D

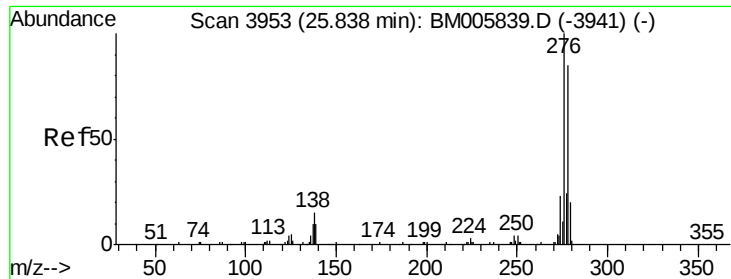
Acq: 17 Jun 2016 20:35

Tgt Ion:	252	Resp:	70603
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.0	27.0
125	7.5	5.1	7.7



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: 5.02 ng/ul

RT: 25.87 min Scan# 3959

Delta R.T. 0.04 min

Lab File: BM005870.D

Acq: 17 Jun 2016 20:35

Instrument :

BNA_M

ClientSampleId :

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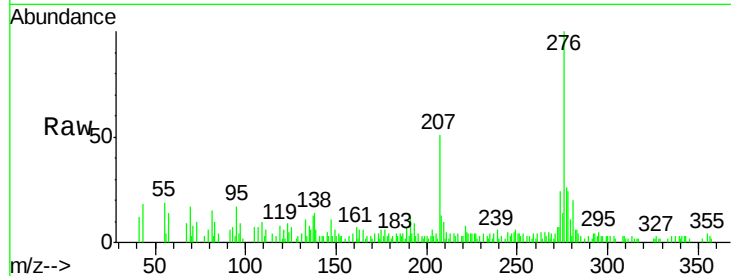
Tgt Ion:276 Resp: 39834

Ion Ratio Lower Upper

276 100

138 13.9 11.9 17.9

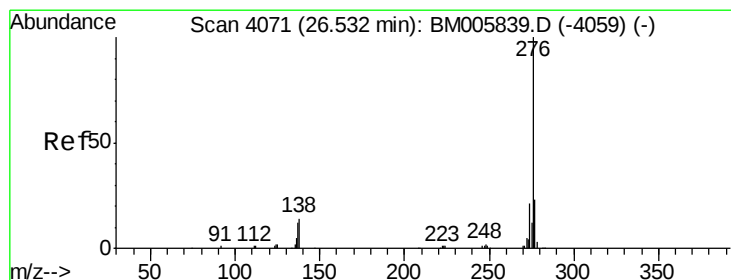
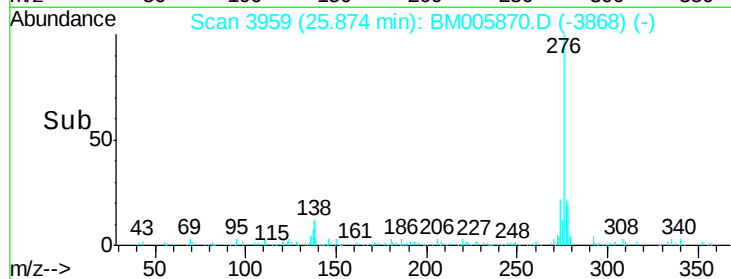
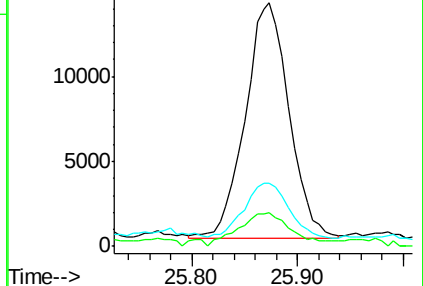
277 25.9 21.0 31.6



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: 5.67 ng/ul

RT: 26.58 min Scan# 4079

Delta R.T. 0.05 min

Lab File: BM005870.D

Acq: 17 Jun 2016 20:35

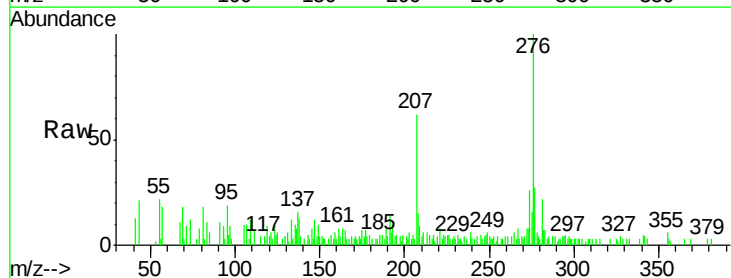
Tgt Ion:276 Resp: 38266

Ion Ratio Lower Upper

276 100

138 13.1 10.6 15.8

277 26.5 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

