

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
 Data File : BM006089.D
 Acq On : 28 Jun 2016 02:46
 Operator : UM/SJ
 Sample : H3779-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YE0

Quant Time: Jun 28 04:18:39 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 28 02:11:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	291287	20.00	ng/ul	0.00
7) Naphthalene-d8	10.45	136	1437405	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.32	164	896654	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	2138949	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	1968224	20.00	ng/ul	0.00
34) Perylene-d12	23.49	264	1754464	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	5052	0.77	ng/uL	0.00
3) Phenol-d5	6.84	99	319606	10.43	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	190475	11.17	ng/ul	0.00
5) 2-Chlorophenol-d4	7.20	132	243149	11.39	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	268892	10.40	ng/ul	0.00
8) Nitrobenzene-d5	8.82	128	126064	11.52	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	129304	10.62	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.07	165	266807	11.42	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	286920	11.32	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	825489	10.75	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1096118	12.31	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	146097	8.92	ng/ul	0.00
21) Fluorene-d10	15.31	176	768587	11.73	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.44	200	32061	2.70	ng/ul	0.00
26) Anthracene-d10	17.16	188	1225993	12.48	ng/ul	0.00
30) Pyrene-d10	19.46	212	1354413	15.71	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.34	264	961001	12.13	ng/ul	0.00

Target Compounds

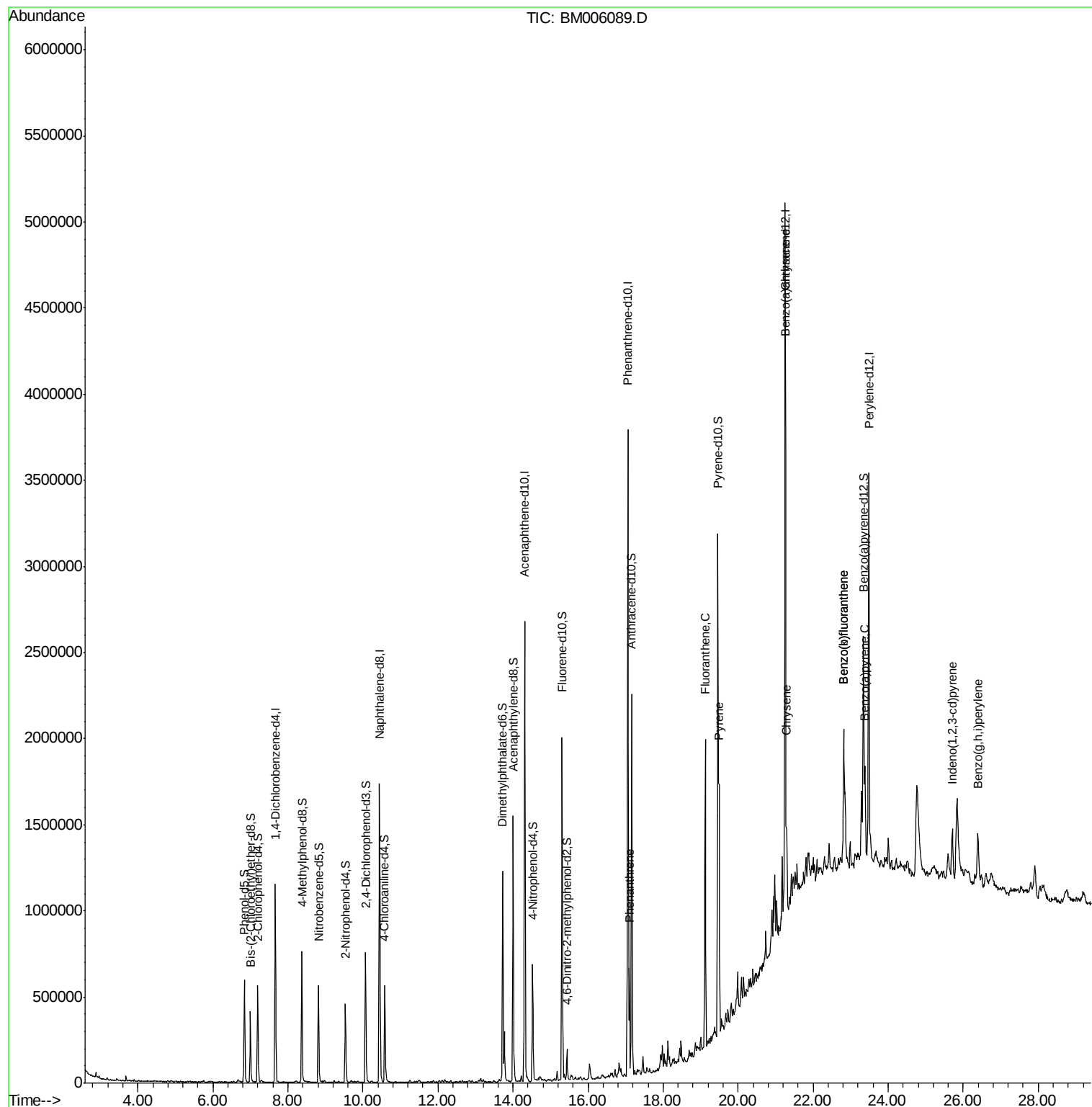
						Qvalue
25) Phenanthrene	17.10	178	365615	3.18	ng/ul	100
28) Fluoranthene	19.13	202	1090688	7.40	ng/ul	99
31) Pyrene	19.49	202	862641	7.66	ng/ul	95
32) Benzo(a)anthracene	21.24	228	431738	3.69	ng/ul	95
33) Chrysene	21.30	228	474020	4.44	ng/ul	97
35) Benzo(b)fluoranthene	22.82	252	650341	6.38	ng/ul	98
36) Benzo(k)fluoranthene	22.82	252	650341	6.86	ng/ul	99
38) Benzo(a)pyrene	23.39	252	369406	3.78	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.71	276	288659	2.48	ng/ul#	93
41) Benzo(g,h,i)perylene	26.39	276	256697	2.55	ng/ul	96

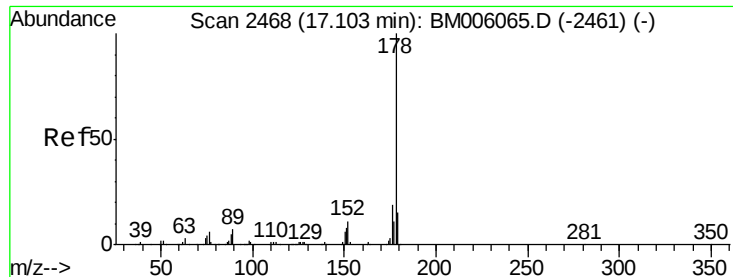
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 3.18 ng/ul

RT: 17.10 min Scan# 2468

Delta R.T. 0.00 min

Lab File: BM006089.D

Acq: 28 Jun 2016 02:46

Instrument :

BNA_M

ClientSampleId :

D9YE0

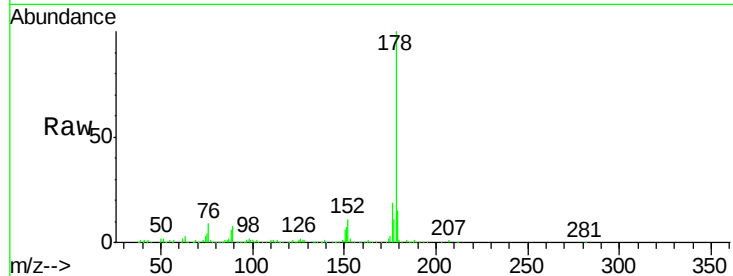
Tgt Ion:178 Resp: 365615

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

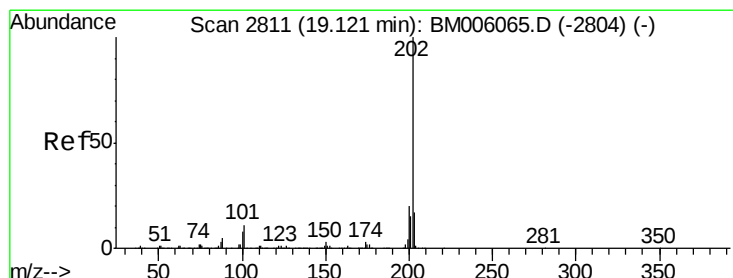
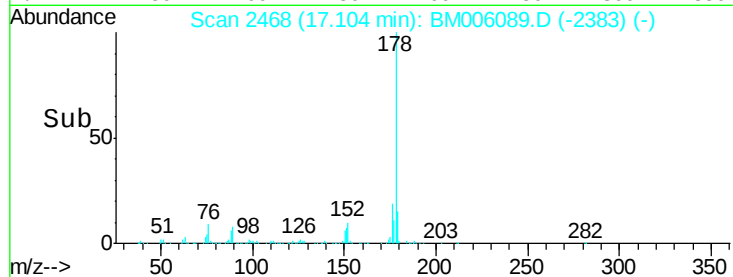
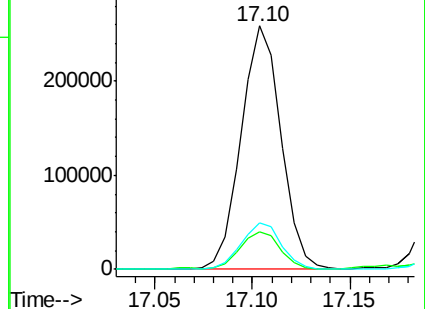
176 19.3 15.3 22.9



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: 7.40 ng/ul

RT: 19.13 min Scan# 2812

Delta R.T. 0.01 min

Lab File: BM006089.D

Acq: 28 Jun 2016 02:46

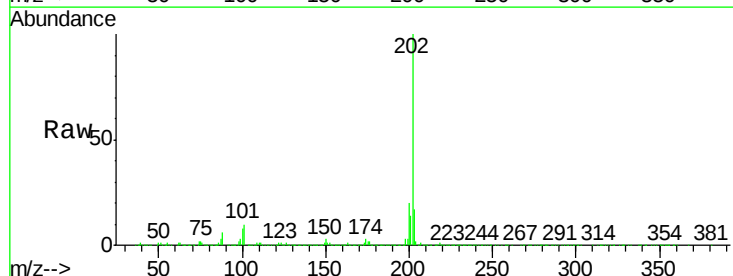
Tgt Ion:202 Resp: 1090688

Ion Ratio Lower Upper

202 100

101 10.3 8.5 12.7

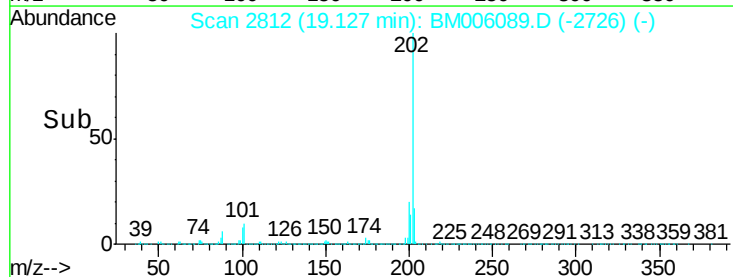
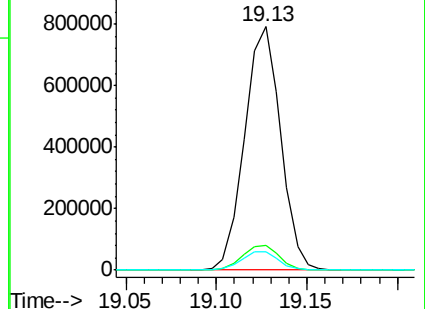
100 7.6 6.5 9.7

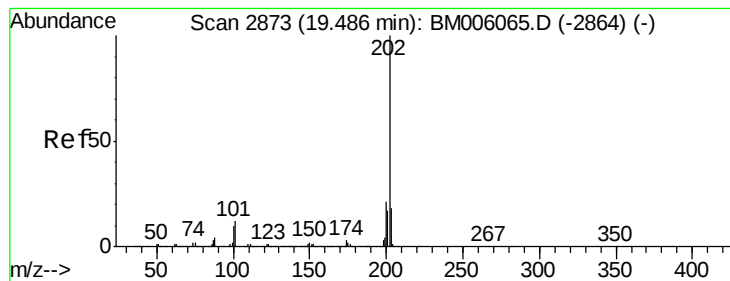


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 7.66 ng/ul

RT: 19.49 min Scan# 2874

Delta R.T. 0.01 min

Lab File: BM006089.D

Acq: 28 Jun 2016 02:46

Instrument :

BNA_M

ClientSampleId :

D9YE0

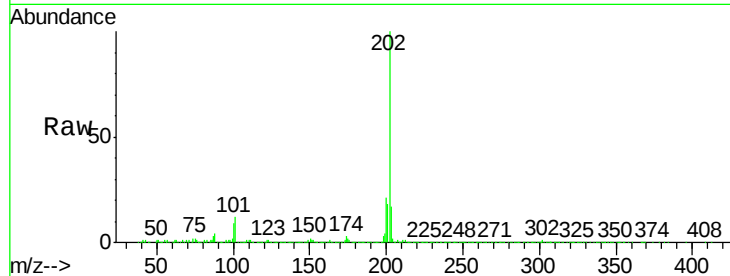
Tgt Ion:202 Resp: 862641

Ion Ratio Lower Upper

202 100

101 11.5 11.0 16.4

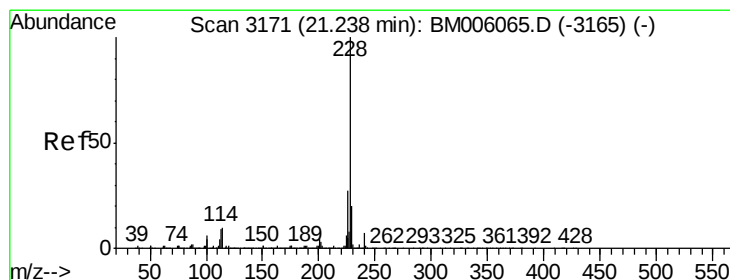
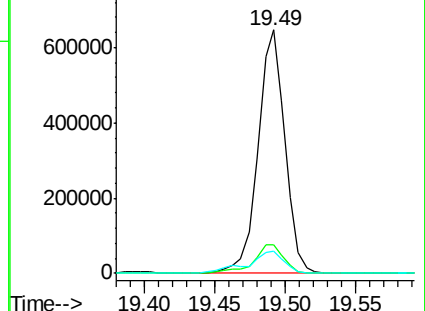
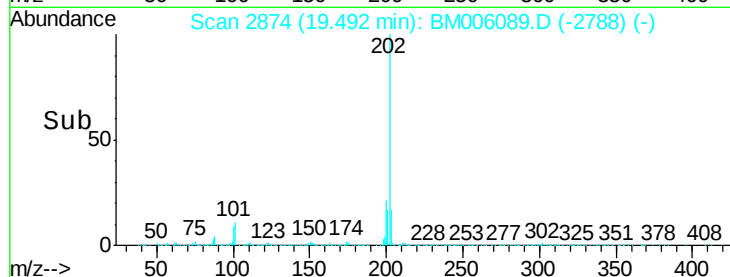
100 9.4 8.9 13.3



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: 3.69 ng/ul

RT: 21.24 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BM006089.D

Acq: 28 Jun 2016 02:46

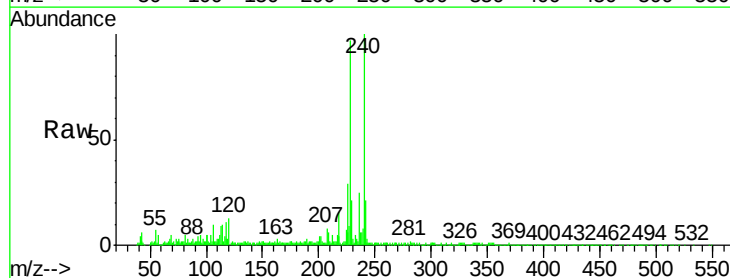
Tgt Ion:228 Resp: 431738

Ion Ratio Lower Upper

228 100

229 21.6 15.6 23.4

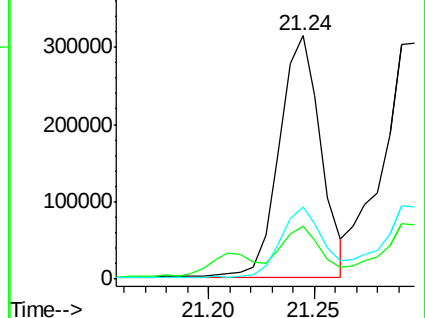
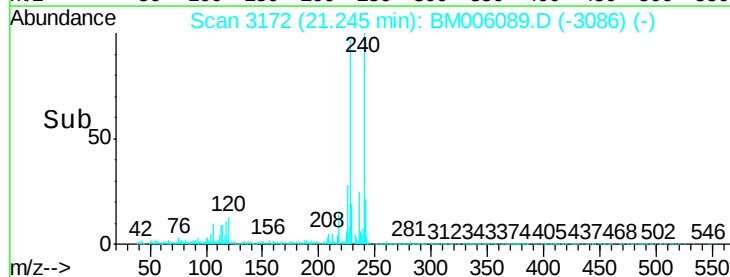
226 29.7 21.6 32.4

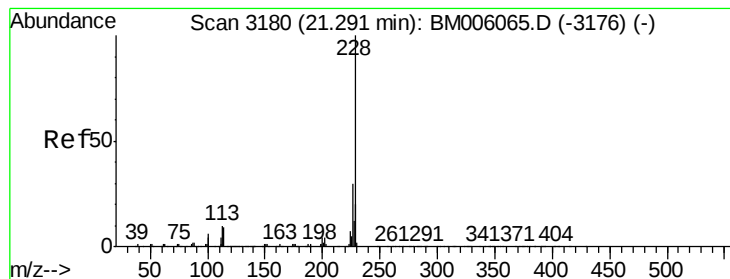


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 4.44 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. 0.01 min

Lab File: BM006089.D

Acq: 28 Jun 2016 02:46

Instrument :

BNA_M

ClientSampleId :

D9YE0

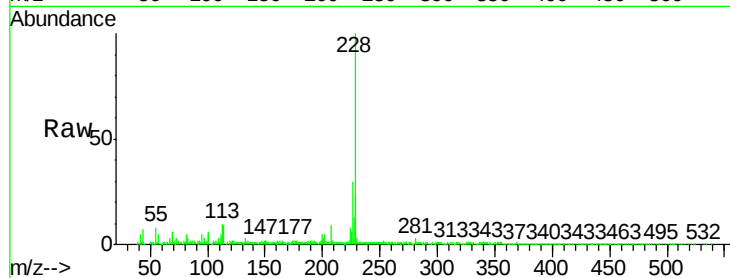
Tgt Ion:228 Resp: 474020

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.6

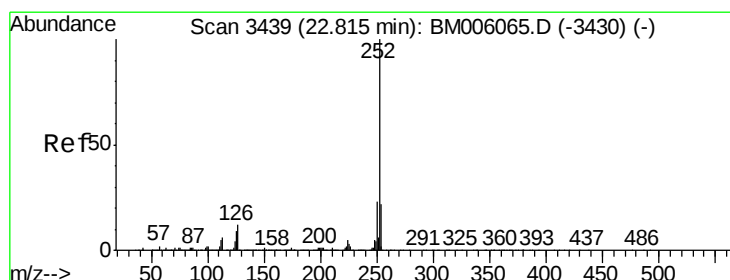
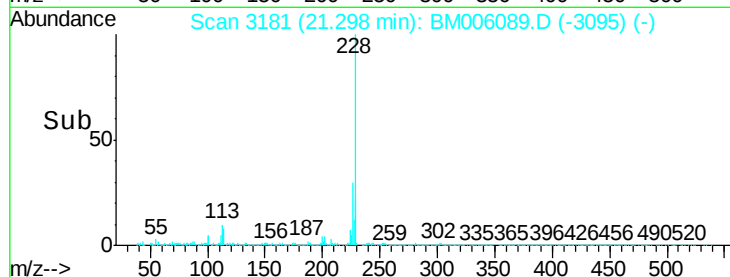
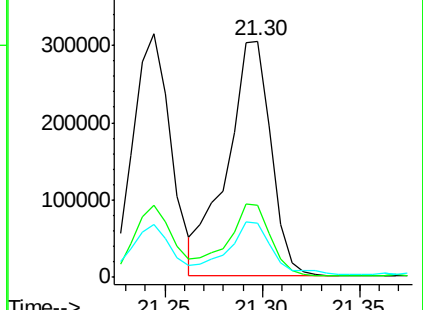
229 22.7 15.8 23.6



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: 6.38 ng/ul

RT: 22.82 min Scan# 3440

Delta R.T. 0.01 min

Lab File: BM006089.D

Acq: 28 Jun 2016 02:46

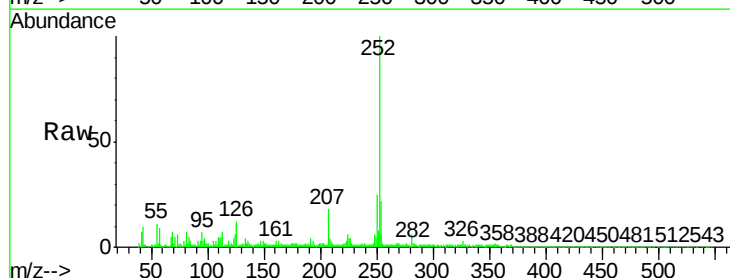
Tgt Ion:252 Resp: 650341

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

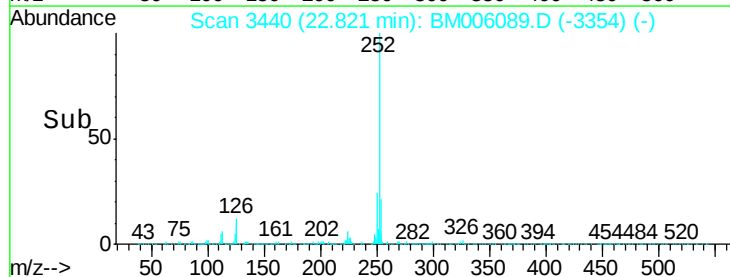
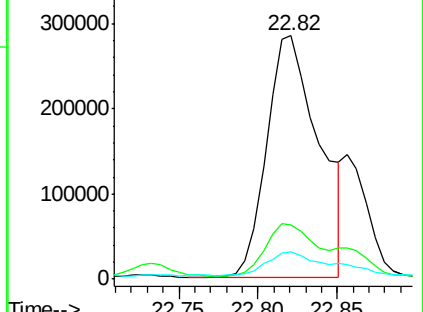
125 11.0 7.8 11.6

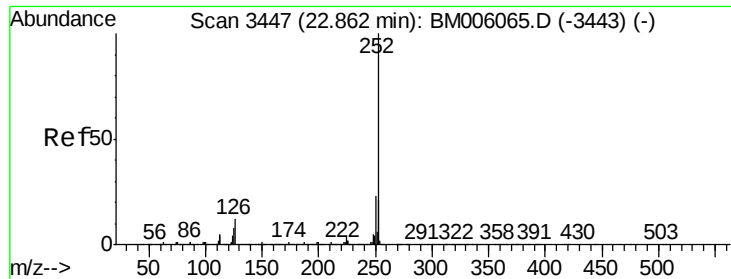


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

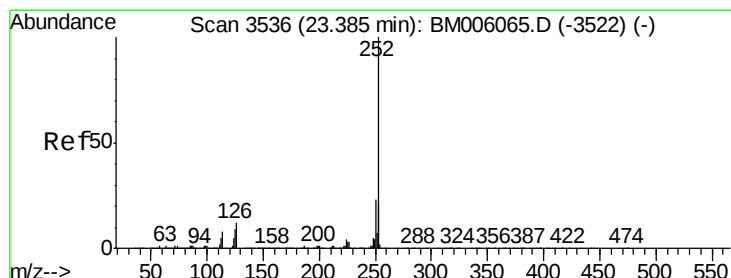
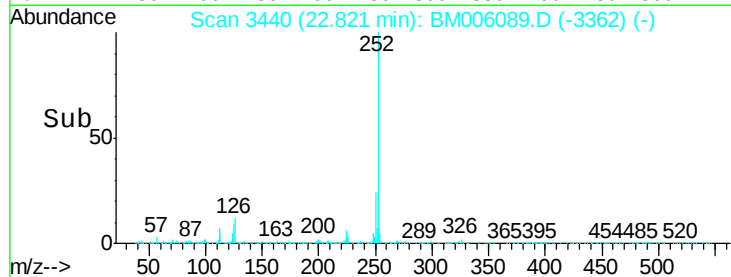
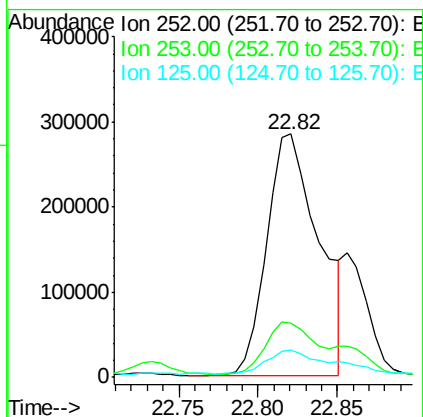
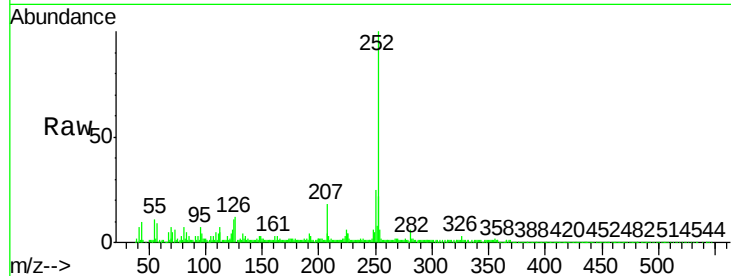




#36
Benzo(k)fluoranthene
Concen: 6.86 ng/ul
RT: 22.82 min Scan# 3440
Delta R.T. -0.04 min
Lab File: BM006089.D
Acq: 28 Jun 2016 02:46

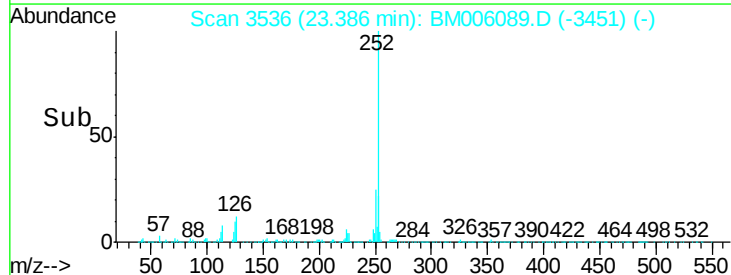
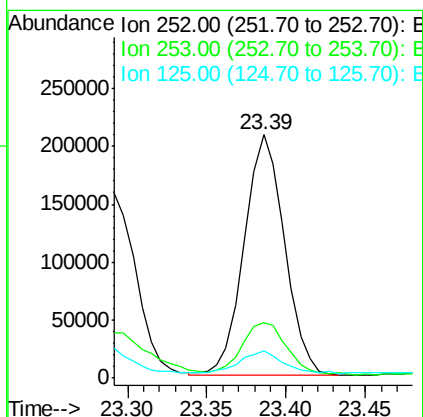
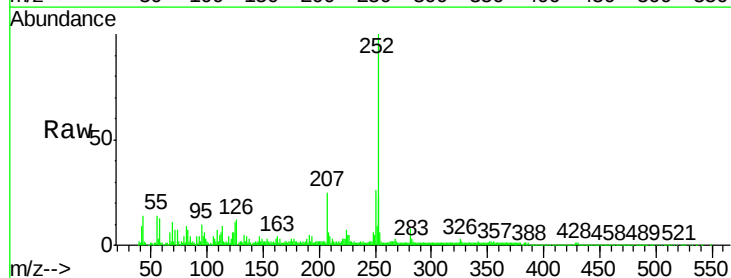
Instrument :
BNA_M
ClientSampleId :
D9YE0

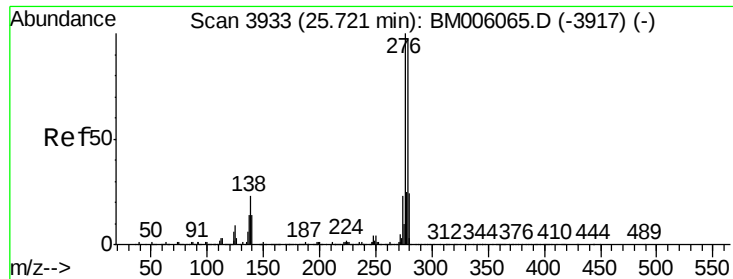
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	11.0	8.1	12.1



#38
Benzo(a)pyrene
Concen: 3.78 ng/ul
RT: 23.39 min Scan# 3536
Delta R.T. 0.00 min
Lab File: BM006089.D
Acq: 28 Jun 2016 02:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	11.4	8.7	13.1





#39

Indeno(1,2,3-cd)pyrene

Concen: 2.48 ng/ul

RT: 25.71 min Scan# 3931

Delta R.T. -0.01 min

Lab File: BM006089.D

Acq: 28 Jun 2016 02:46

Instrument :

BNA_M

ClientSampleId :

D9YE0

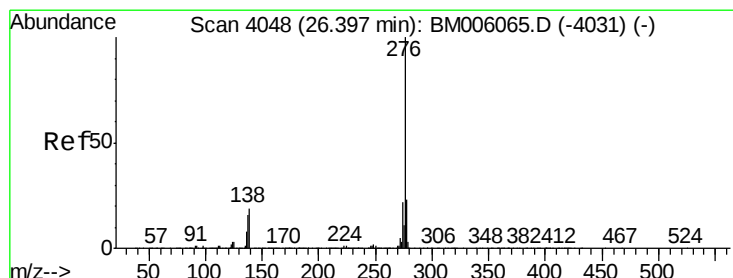
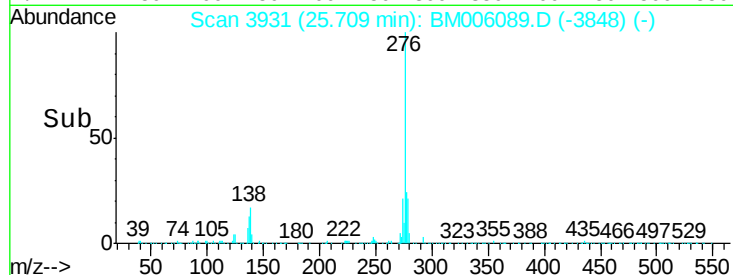
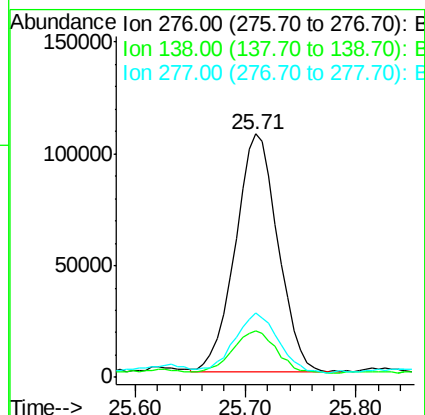
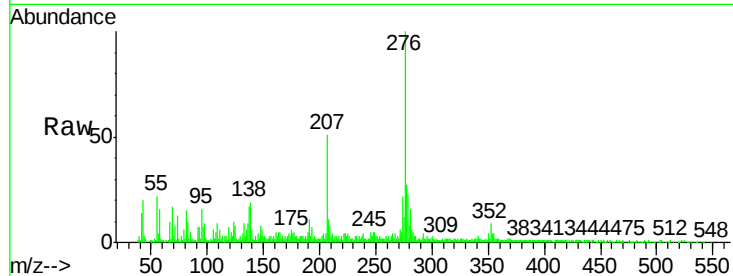
Tgt Ion:276 Resp: 288659

Ion Ratio Lower Upper

276 100

138 19.0 20.4 30.6#

277 26.6 20.6 30.8



#41

Benzo(g,h,i)perylene

Concen: 2.55 ng/ul

RT: 26.39 min Scan# 4047

Delta R.T. -0.01 min

Lab File: BM006089.D

Acq: 28 Jun 2016 02:46

Tgt Ion:276 Resp: 256697

Ion Ratio Lower Upper

276 100

138 21.2 16.6 25.0

277 27.0 18.9 28.3

