

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006044.D
 Acq On : 26 Jun 2016 17:24
 Operator : UM/SJ
 Sample : H3670-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y95

Quant Time: Jun 27 05:17:10 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 05:15:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	162000	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	852218	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	608316	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1591795	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	2014504	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	2051176	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	4479	1.23	ng/uL	0.00
3) Phenol-d5	6.83	99	210336	12.34	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	141371	14.91	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	159957	13.48	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	129674	9.01	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	97421	15.01	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	110556	15.31	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	202140	14.60	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	216748	14.43	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	828990	15.92	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1024563	16.96	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	131210	11.81	ng/ul	0.00
21) Fluorene-d10	15.30	176	775500	17.44	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	97345	11.02	ng/ul	0.00
26) Anthracene-d10	17.15	188	1270665	17.38	ng/ul	0.00
30) Pyrene-d10	19.45	212	1603459	18.17	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1643036	17.74	ng/ul	0.00

Target Compounds

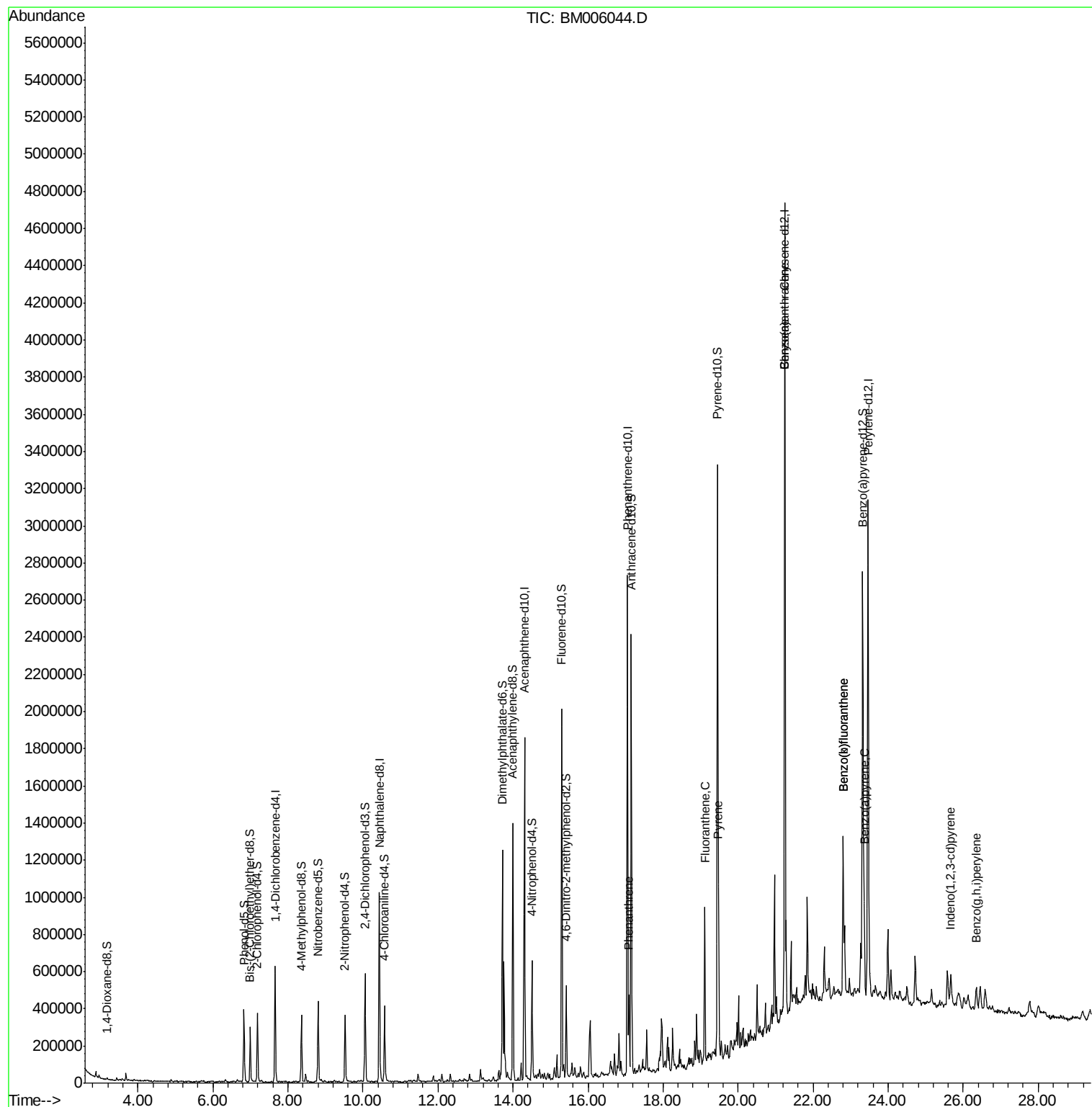
						Qvalue
25) Phenanthrene	17.09	178	254512	2.97	ng/ul	100
28) Fluoranthene	19.12	202	480108	4.38	ng/ul	99
31) Pyrene	19.48	202	403668	3.50	ng/ul	100
32) Benzo(a)anthracene	21.23	228	281435	2.35	ng/ul	95
33) Chrysene	21.23	228	280792	2.57	ng/ul	98
35) Benzo(b)fluoranthene	22.80	252	445150	3.74	ng/ul#	93
36) Benzo(k)fluoranthene	22.80	252	445150	4.02	ng/ul#	93
38) Benzo(a)pyrene	23.37	252	265188	2.32	ng/ul#	96
39) Indeno(1,2,3-cd)pyrene	25.67	276	170041	1.25	ng/ul	100
41) Benzo(g,h,i)perylene	26.34	276	150805	1.28	ng/ul	96

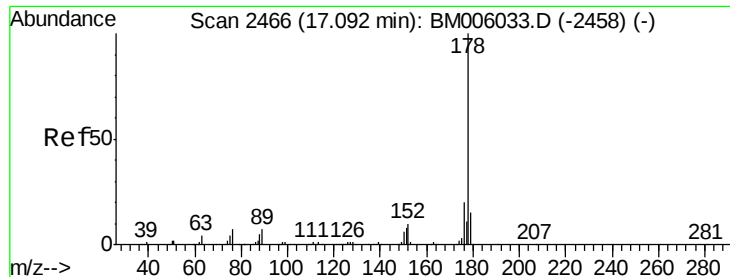
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 2.97 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BM006044.D

Acq: 26 Jun 2016 17:24

Instrument :

BNA_M

ClientSampleId :

D9Y95

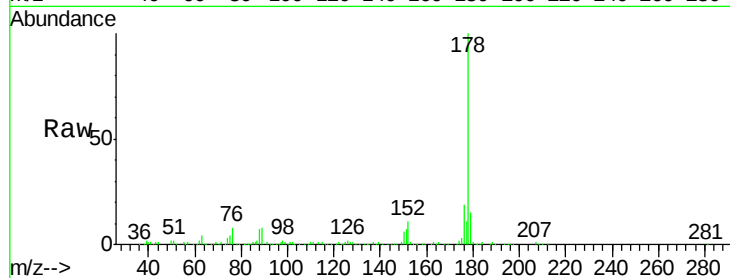
Tgt Ion:178 Resp: 254512

Ion Ratio Lower Upper

178 100

179 15.2 12.1 18.1

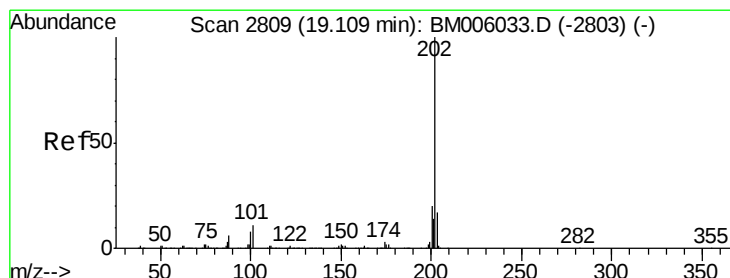
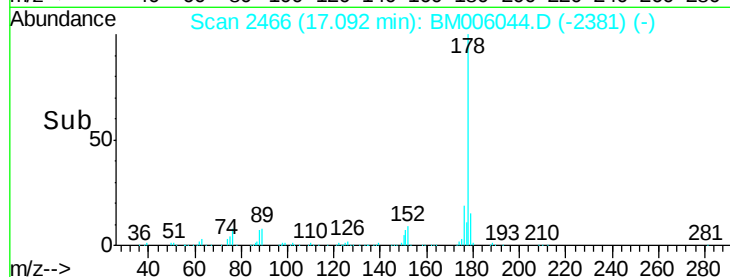
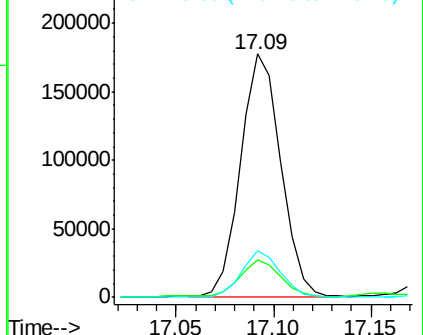
176 18.9 15.4 23.0



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: 4.38 ng/ul

RT: 19.12 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BM006044.D

Acq: 26 Jun 2016 17:24

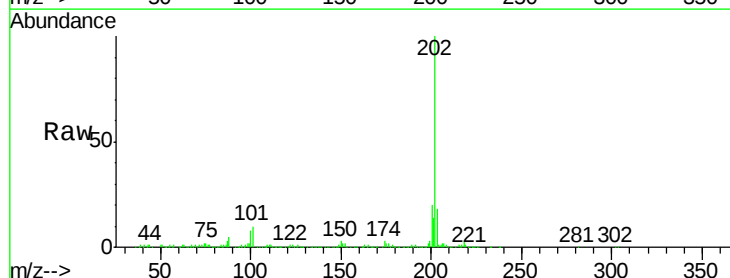
Tgt Ion:202 Resp: 480108

Ion Ratio Lower Upper

202 100

101 10.0 8.2 12.4

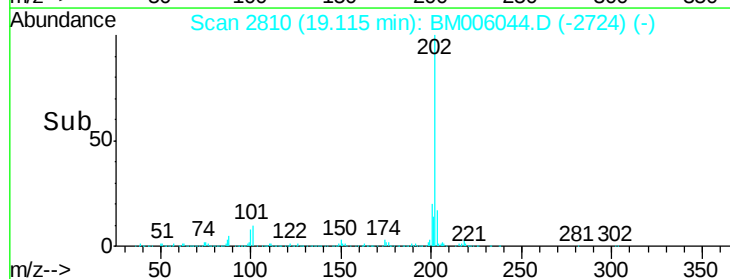
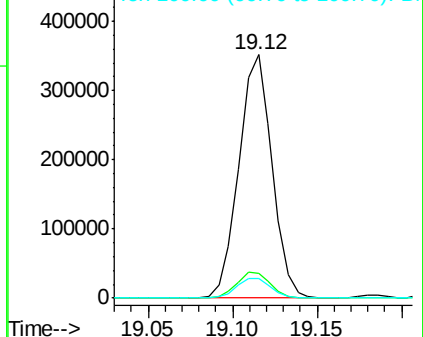
100 7.9 6.3 9.5

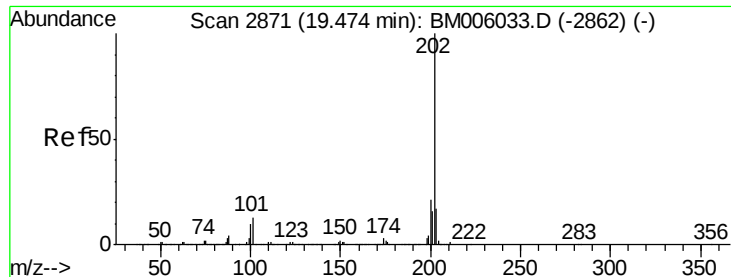


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

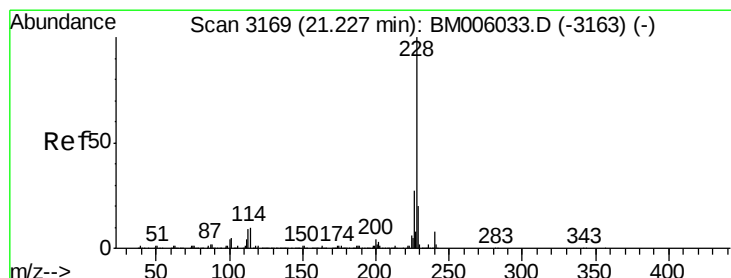
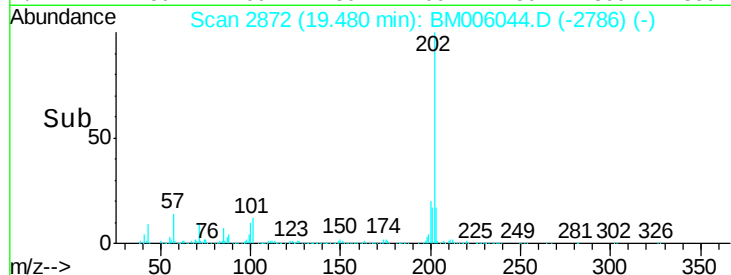
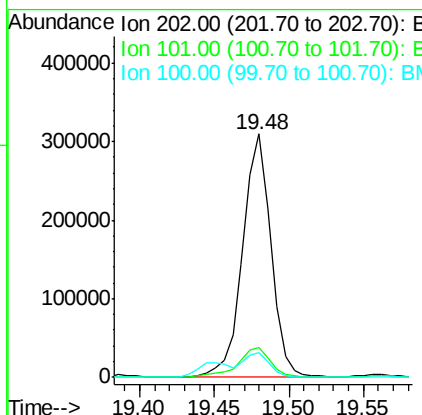
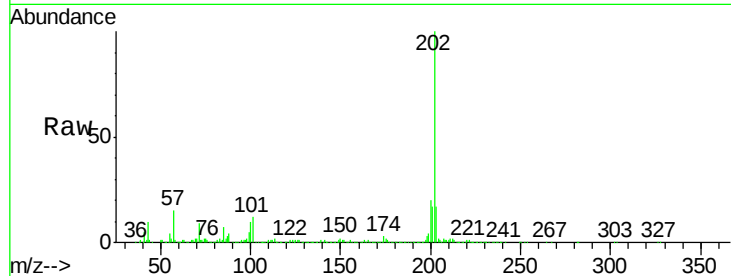




#31
 Pyrene
 Concen: 3.50 ng/ul
 RT: 19.48 min Scan# 2872
 Delta R.T. 0.01 min
 Lab File: BM006044.D
 Acq: 26 Jun 2016 17:24

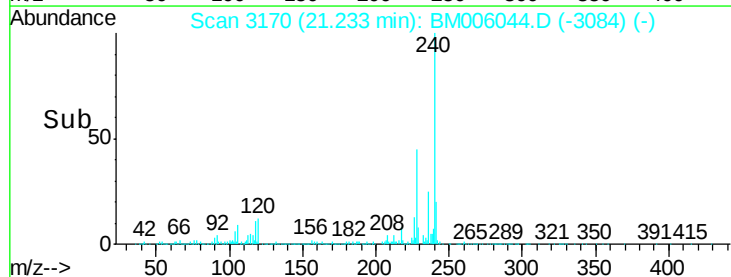
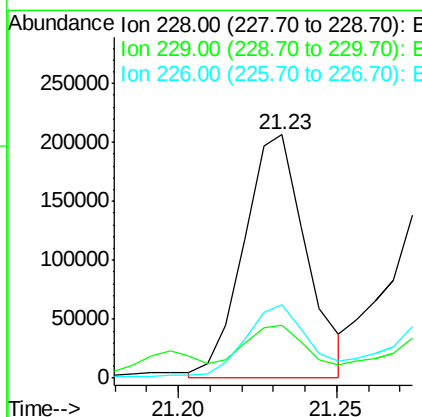
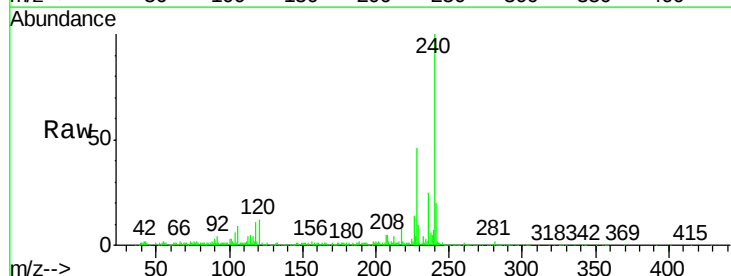
Instrument :
 BNA_M
 ClientSampleId :
 D9Y95

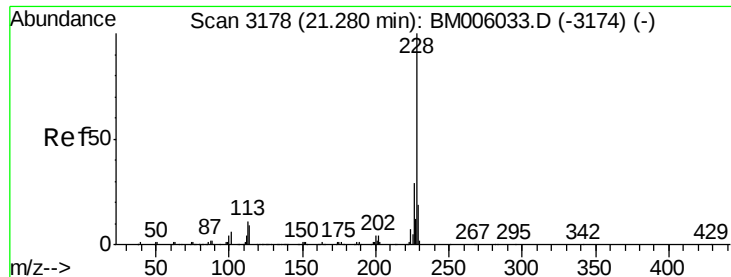
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.8	14.6
100	10.3	8.2	12.2



#32
 Benzo(a)anthracene
 Concen: 2.35 ng/ul
 RT: 21.23 min Scan# 3170
 Delta R.T. 0.01 min
 Lab File: BM006044.D
 Acq: 26 Jun 2016 17:24

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.8	23.6
226	29.9	21.5	32.3





#33

Chrysene

Concen: 2.57 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. -0.05 min

Lab File: BM006044.D

Acq: 26 Jun 2016 17:24

Instrument :

BNA_M

ClientSampleId :

D9Y95

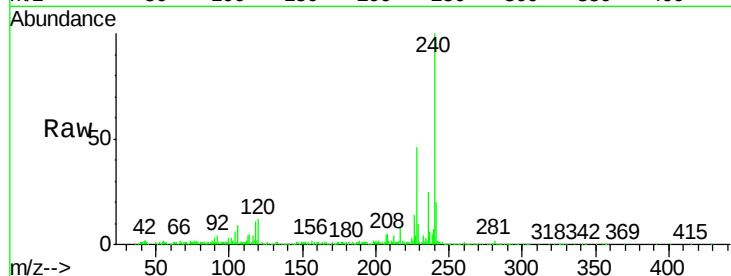
Tgt Ion:228 Resp: 280792

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

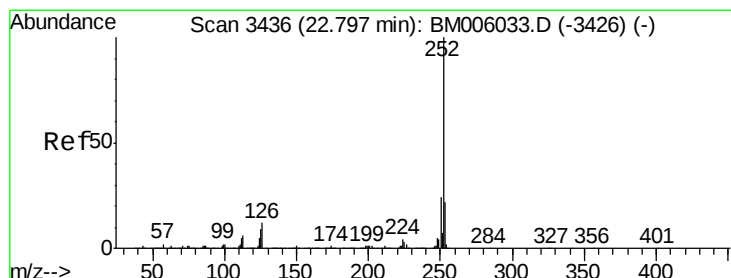
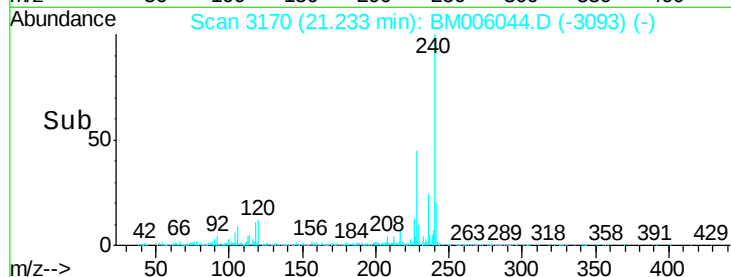
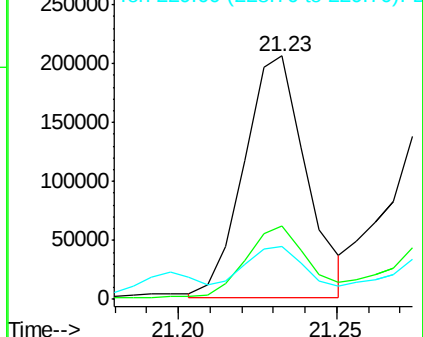
229 21.6 15.4 23.2



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: 3.74 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006044.D

Acq: 26 Jun 2016 17:24

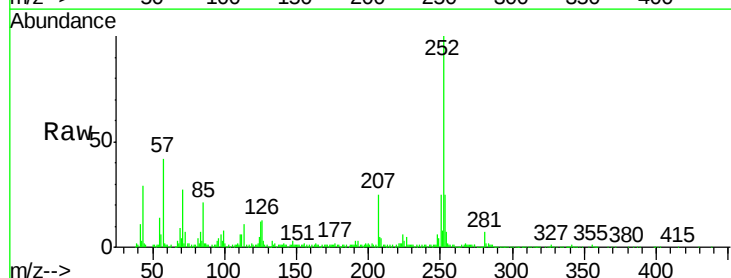
Tgt Ion:252 Resp: 445150

Ion Ratio Lower Upper

252 100

253 24.5 17.2 25.8

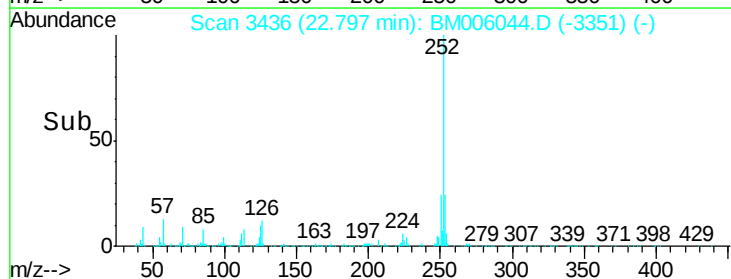
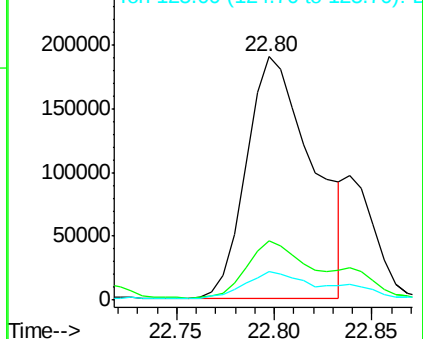
125 12.0 6.8 10.2#

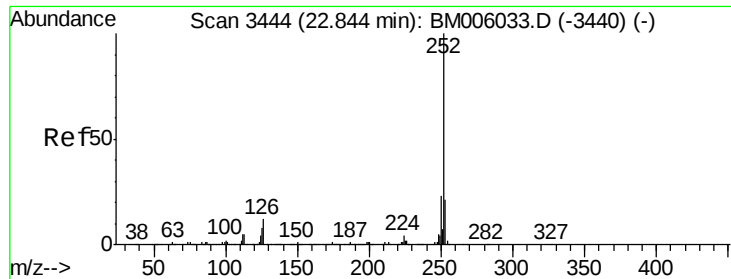


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

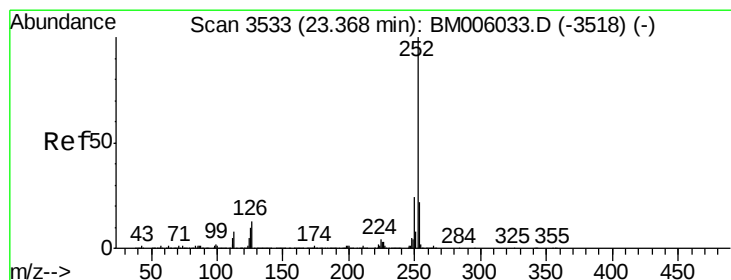
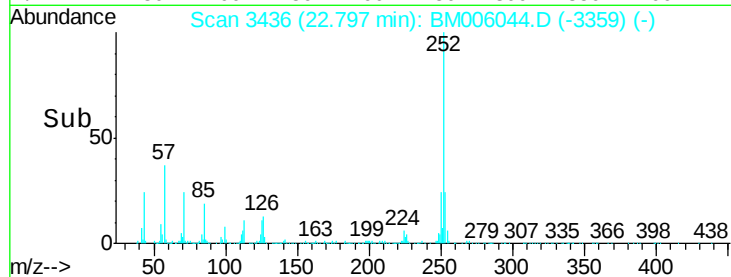
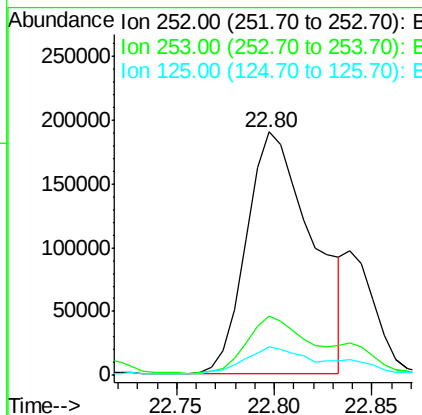
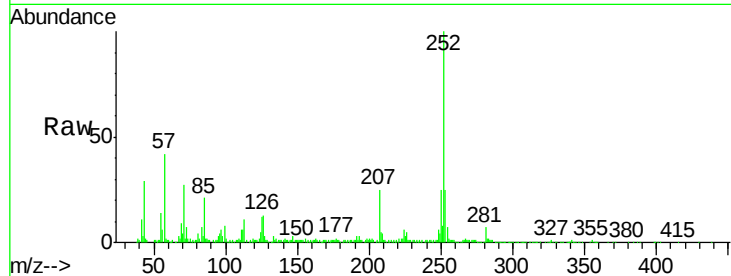




#36
Benzo(k)fluoranthene
Concen: 4.02 ng/ul
RT: 22.80 min Scan# 3436
Delta R.T. -0.05 min
Lab File: BM006044.D
Acq: 26 Jun 2016 17:24

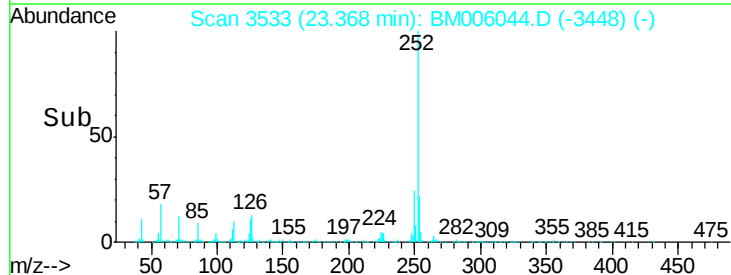
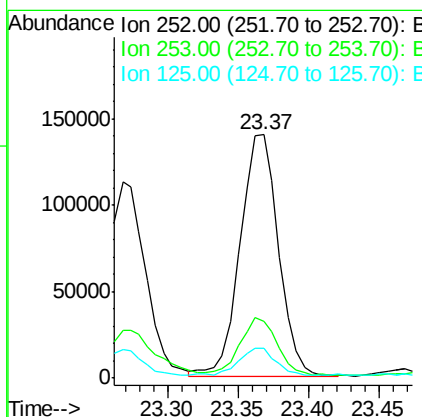
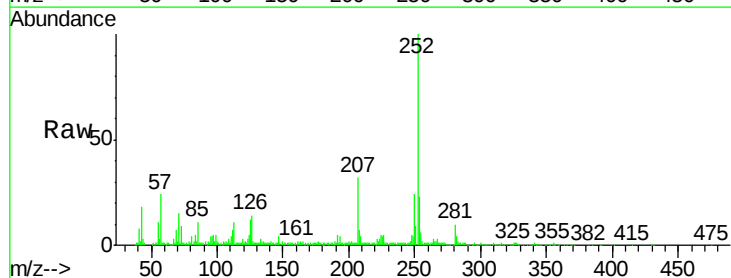
Instrument :
BNA_M
ClientSampleId :
D9Y95

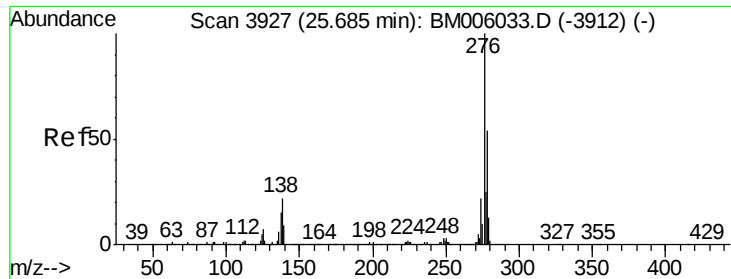
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.3	25.9
125	12.0	7.0	10.4



#38
Benzo(a)pyrene
Concen: 2.32 ng/ul
RT: 23.37 min Scan# 3533
Delta R.T. -0.00 min
Lab File: BM006044.D
Acq: 26 Jun 2016 17:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	12.1	7.8	11.6





#39

Indeno(1,2,3-cd)pyrene

Concen: 1.25 ng/ul

RT: 25.67 min Scan# 3925

Delta R.T. -0.01 min

Lab File: BM006044.D

Acq: 26 Jun 2016 17:24

Instrument :

BNA_M

ClientSampleId :

D9Y95

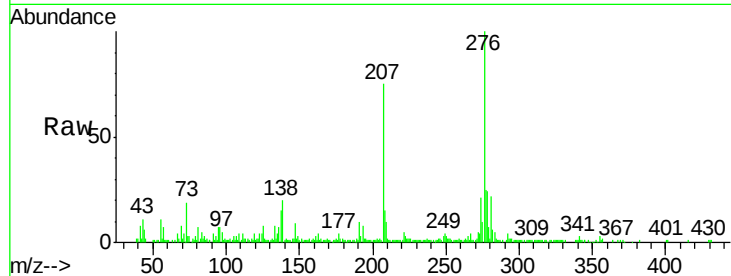
Tgt Ion:276 Resp: 170041

Ion Ratio Lower Upper

276 100

138 20.3 16.6 25.0

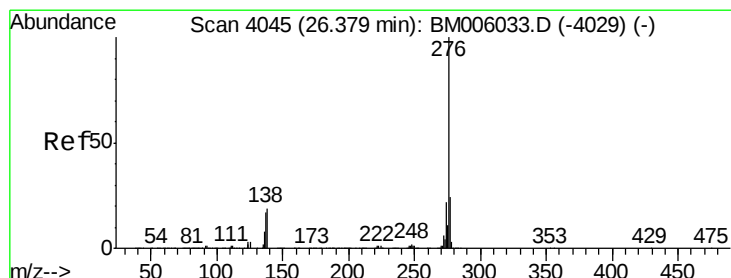
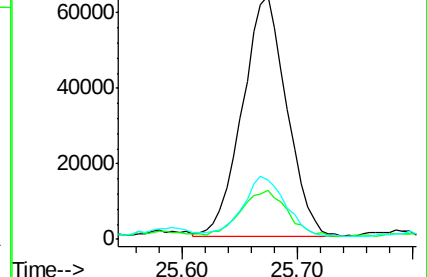
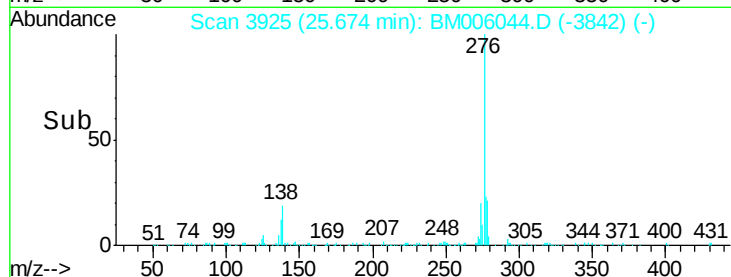
277 24.5 19.6 29.4



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



#41

Benzo(g,h,i)perylene

Concen: 1.28 ng/ul

RT: 26.34 min Scan# 4039

Delta R.T. -0.04 min

Lab File: BM006044.D

Acq: 26 Jun 2016 17:24

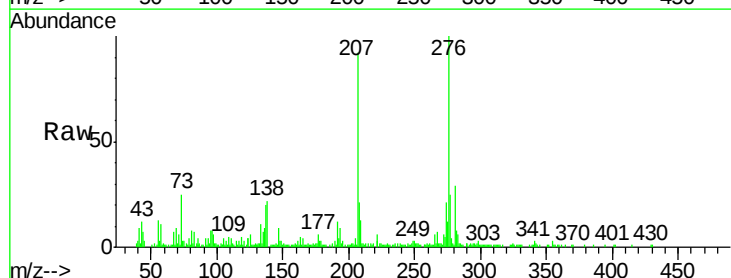
Tgt Ion:276 Resp: 150805

Ion Ratio Lower Upper

276 100

138 22.2 15.9 23.9

277 25.4 19.2 28.8



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

