

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006046.D
 Acq On : 26 Jun 2016 18:36
 Operator : UM/SJ
 Sample : H3670-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y79

Quant Time: Jun 27 05:17:32 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	216688	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1045341	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	651595	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1611262	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	2010298	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1882491	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	5295	1.09	ng/uL	0.00
3) Phenol-d5	6.83	99	270946	11.89	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	155758	12.28	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	202334	12.74	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	199908	10.39	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	98673	12.40	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	109629	12.38	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	220132	12.96	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	226229	12.27	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	682452	12.23	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	888591	13.73	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	127174	10.69	ng/ul	0.00
21) Fluorene-d10	15.30	176	640315	13.44	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	69581	7.78	ng/ul	0.00
26) Anthracene-d10	17.15	188	1043921	14.11	ng/ul	0.00
30) Pyrene-d10	19.45	212	1324862	15.04	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1227468	14.44	ng/ul	0.00

Target Compounds

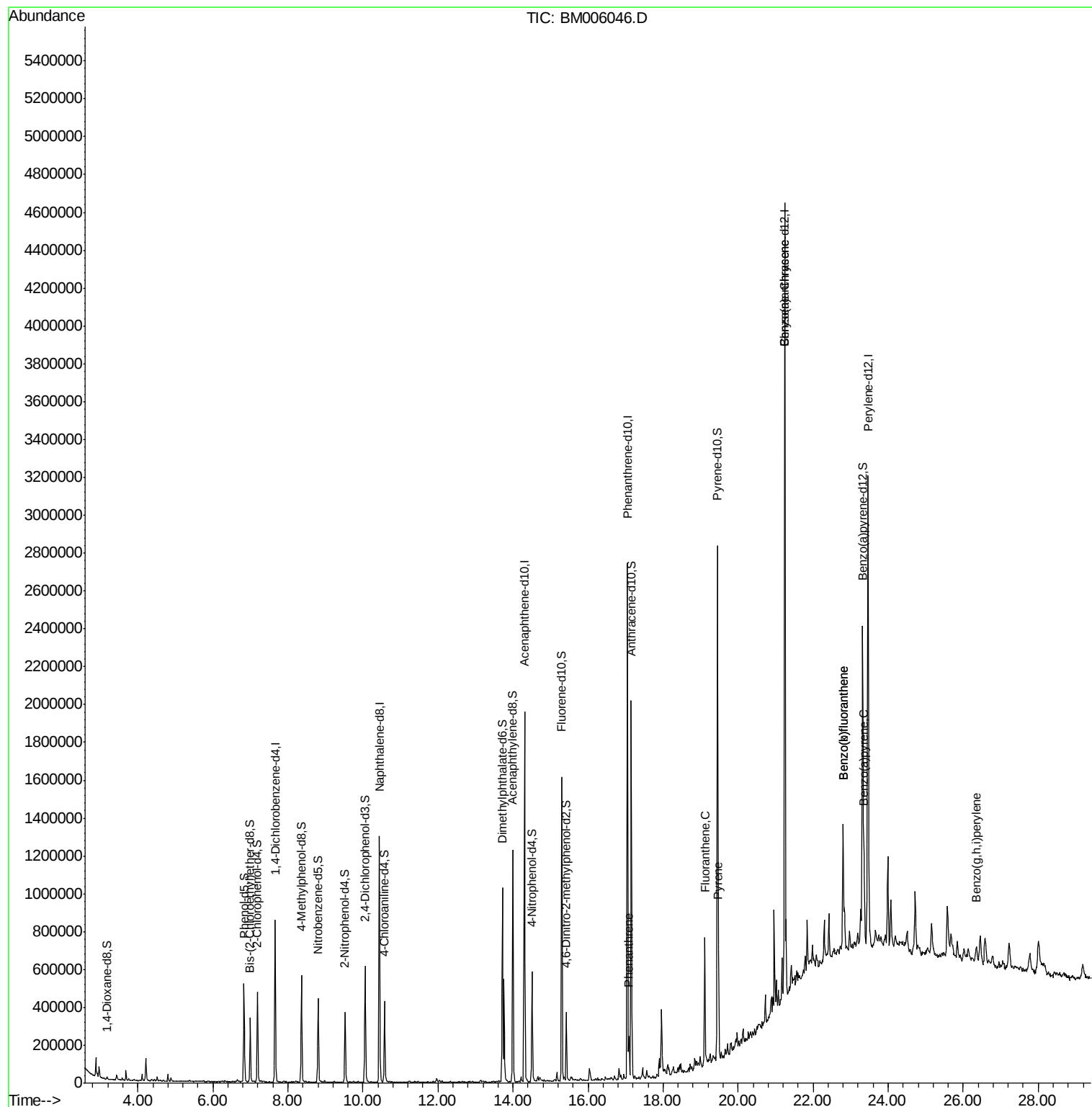
						Qvalue
25) Phenanthrene	17.09	178	139325	1.61	ng/ul	98
28) Fluoranthene	19.12	202	377786	3.40	ng/ul	98
31) Pyrene	19.48	202	321127	2.79	ng/ul	99
32) Benzo(a)anthracene	21.23	228	229712	1.92	ng/ul	97
33) Chrysene	21.23	228	229791	2.11	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	300980	2.75	ng/ul#	92
36) Benzo(k)fluoranthene	22.80	252	300980	2.96	ng/ul#	93
38) Benzo(a)pyrene	23.36	252	173718	1.66	ng/ul#	93
41) Benzo(g,h,i)perylene	26.35	276	110866	1.03	ng/ul	99

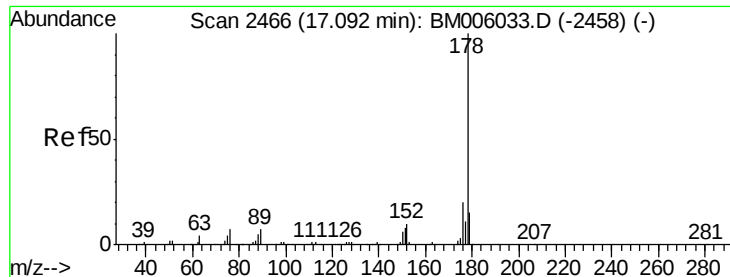
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 1.61 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BM006046.D

Acq: 26 Jun 2016 18:36

Instrument :

BNA_M

ClientSampleId :

D9Y79

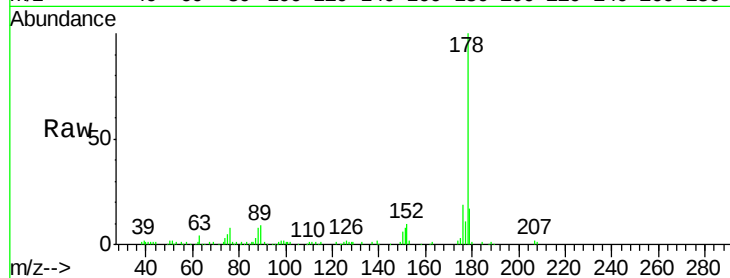
Tgt Ion:178 Resp: 139325

Ion Ratio Lower Upper

178 100

179 16.6 12.1 18.1

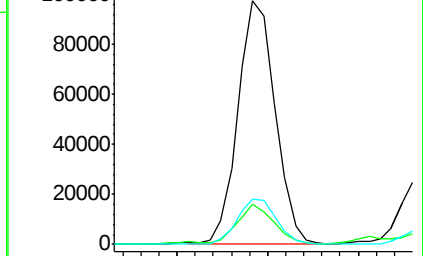
176 18.6 15.4 23.0



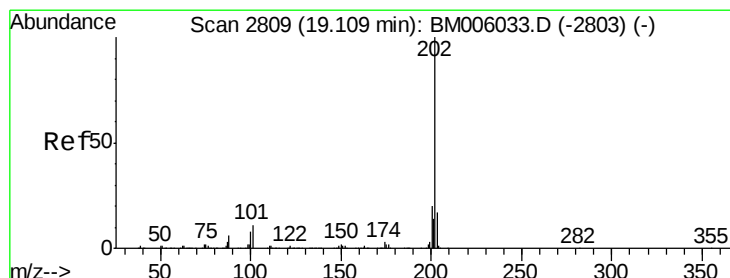
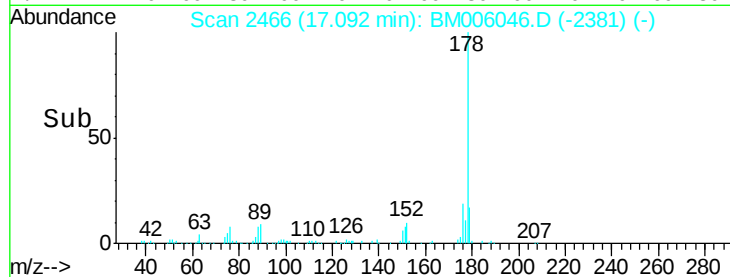
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#28

Fluoranthene

Concen: 3.40 ng/ul

RT: 19.12 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BM006046.D

Acq: 26 Jun 2016 18:36

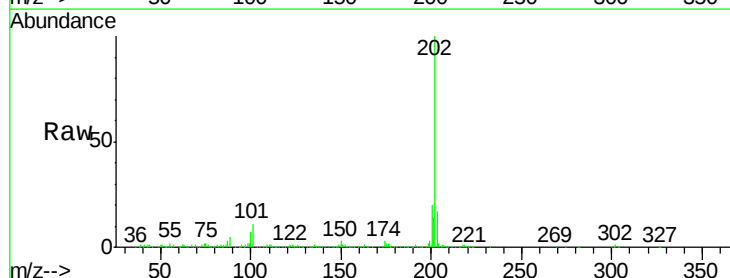
Tgt Ion:202 Resp: 377786

Ion Ratio Lower Upper

202 100

101 10.7 8.2 12.4

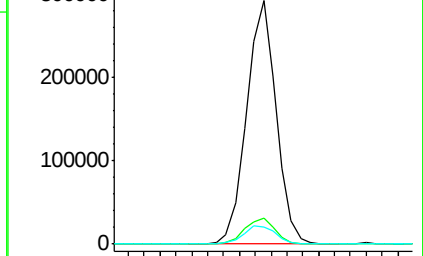
100 7.0 6.3 9.5



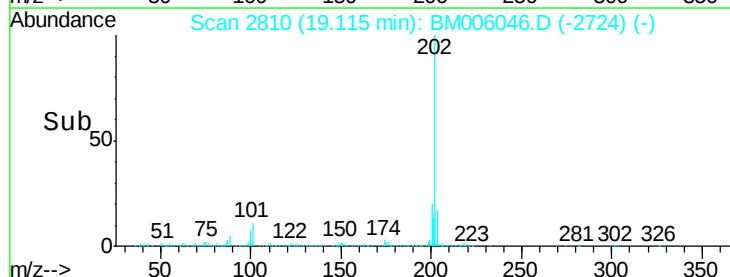
Abundance Ion 202.00 (201.70 to 202.70): E

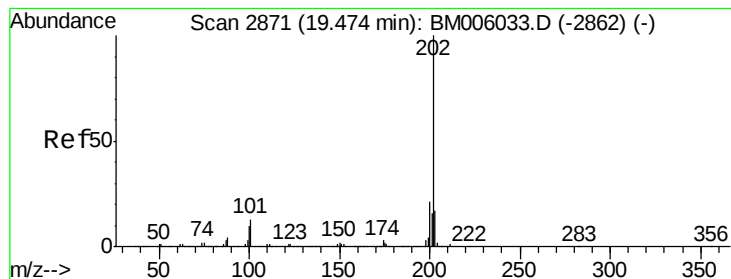
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#31

Pyrene

Concen: 2.79 ng/ul

RT: 19.48 min Scan# 2872

Delta R.T. 0.01 min

Lab File: BM006046.D

Acq: 26 Jun 2016 18:36

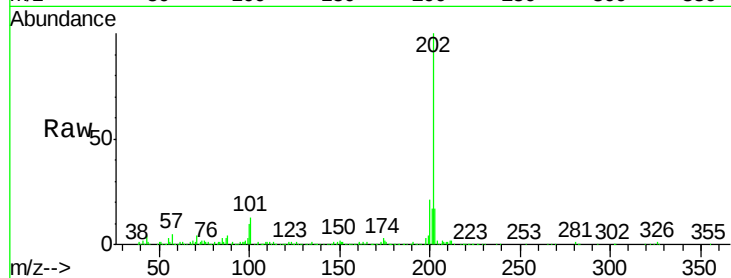
Instrument :

BNA_M

ClientSampleId :

D9Y79

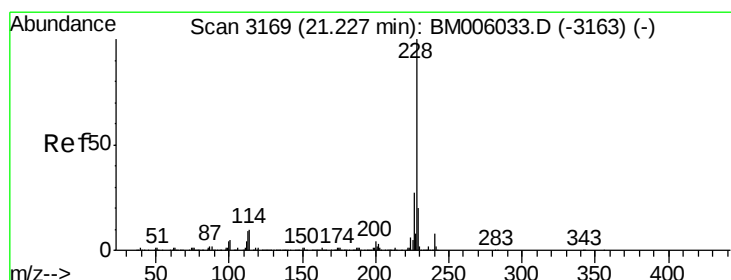
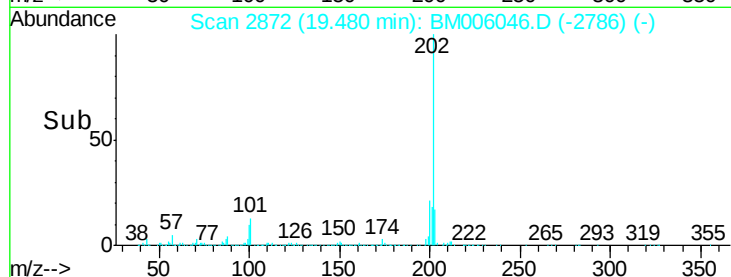
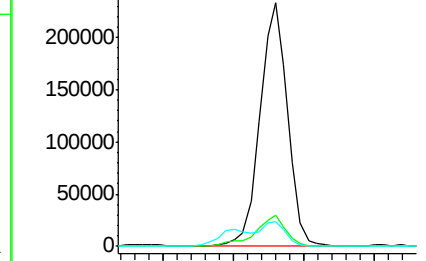
Tgt Ion:	202	Resp:	321127
Ion	Ratio	Lower	Upper
202	100		
101	12.9	9.8	14.6
100	10.4	8.2	12.2



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): E



#32

Benzo(a)anthracene

Concen: 1.92 ng/ul

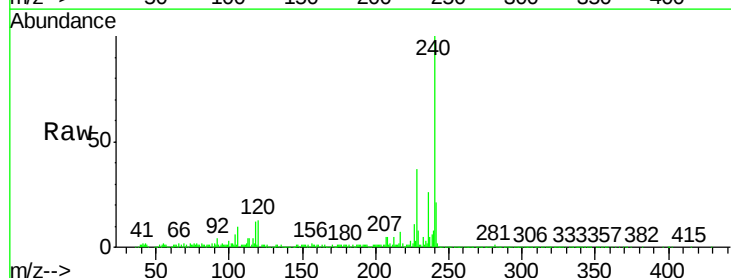
RT: 21.23 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BM006046.D

Acq: 26 Jun 2016 18:36

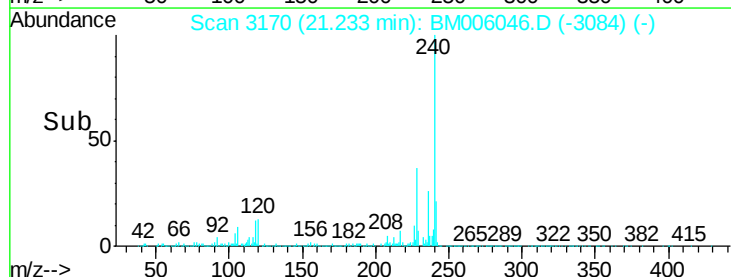
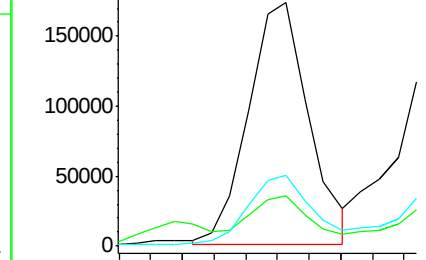
Tgt Ion:	228	Resp:	229712
Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.6
226	28.8	21.5	32.3

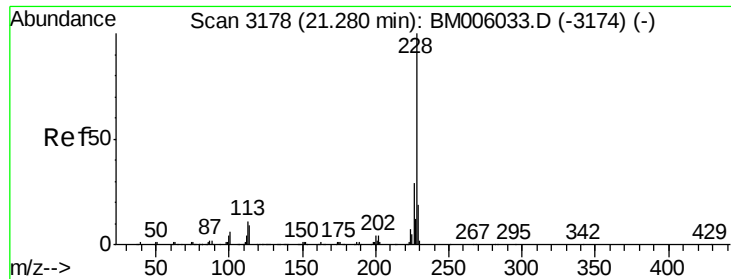


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 2.11 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. -0.05 min

Lab File: BM006046.D

Acq: 26 Jun 2016 18:36

Instrument :

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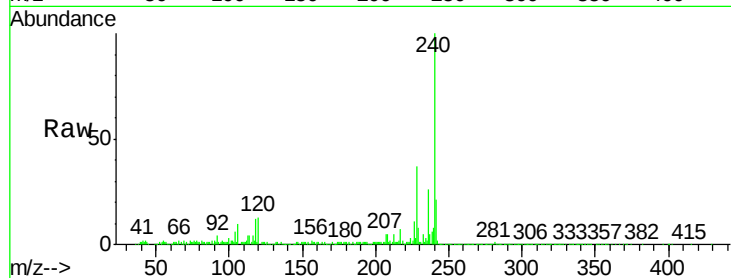
Tgt Ion:228 Resp: 229791

Ion Ratio Lower Upper

228 100

226 28.8 24.3 36.5

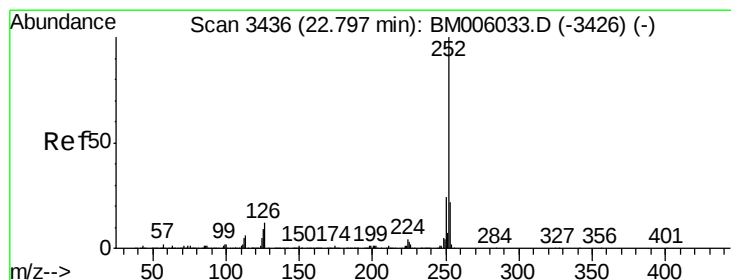
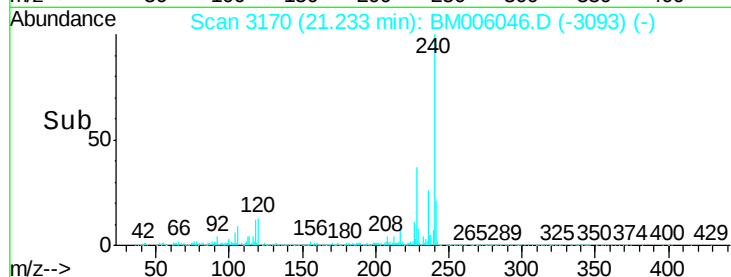
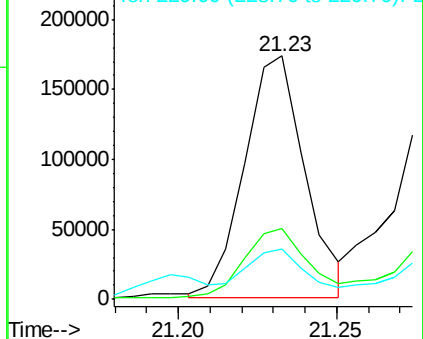
229 20.8 15.4 23.2



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: 2.75 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006046.D

Acq: 26 Jun 2016 18:36

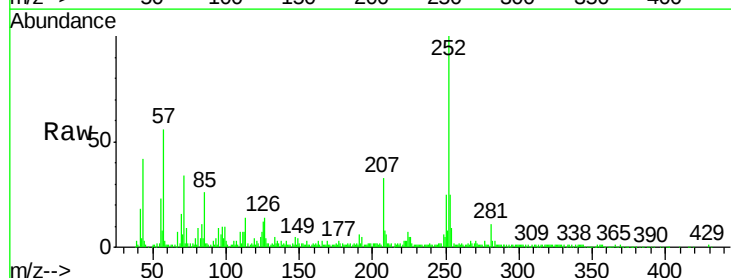
Tgt Ion:252 Resp: 300980

Ion Ratio Lower Upper

252 100

253 24.9 17.2 25.8

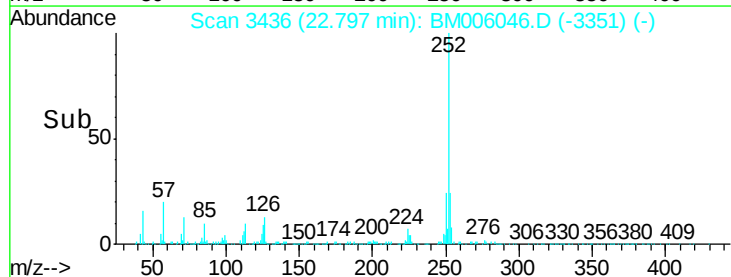
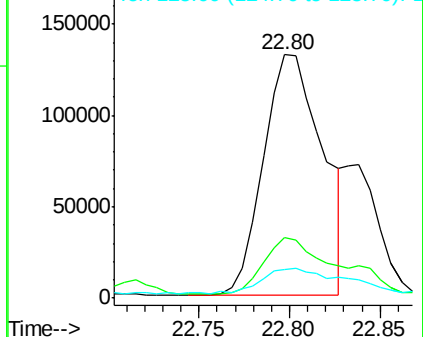
125 11.8 6.8 10.2#

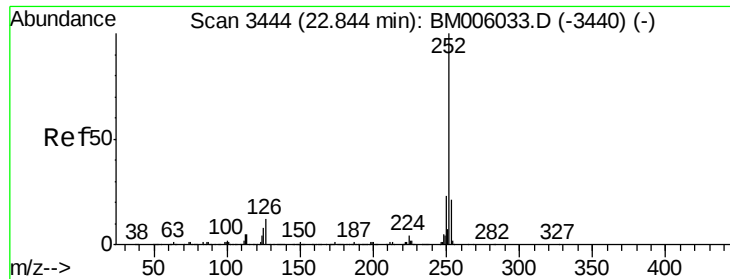


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

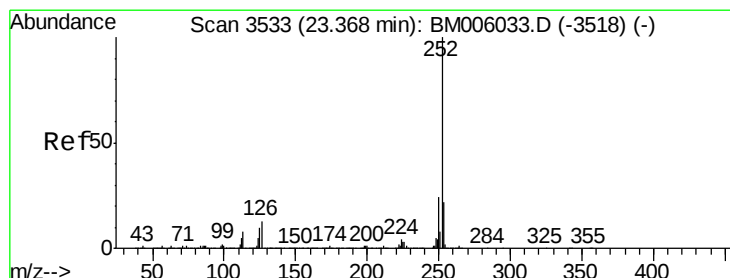
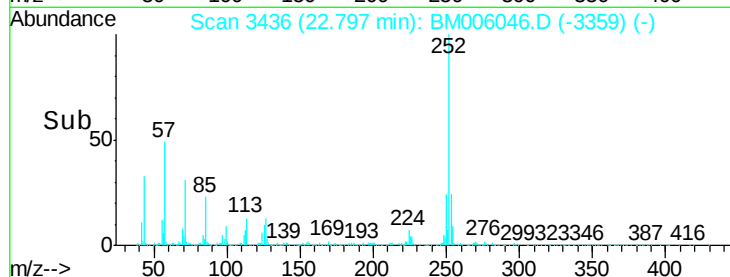
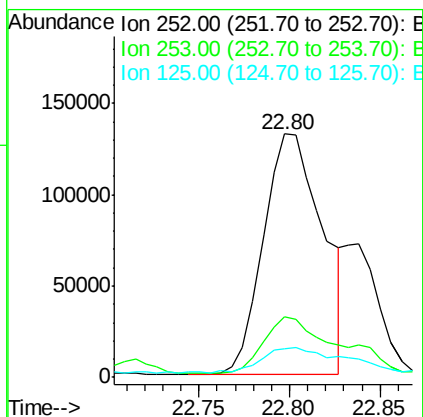
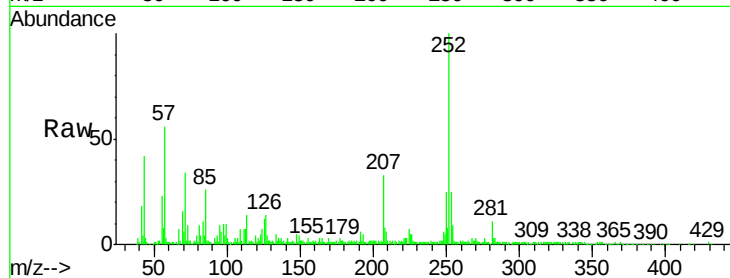




#36
Benzo(k)fluoranthene
Concen: 2.96 ng/u1
RT: 22.80 min Scan# 3436
Delta R.T. -0.05 min
Lab File: BM006046.D
Acq: 26 Jun 2016 18:36

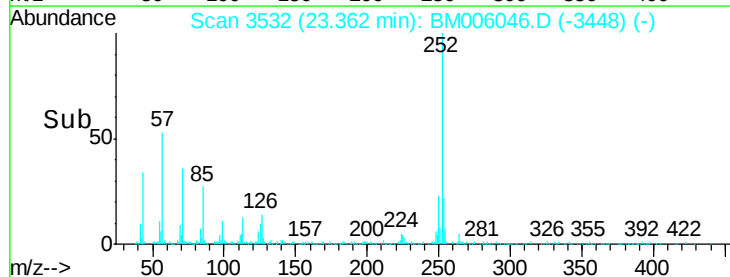
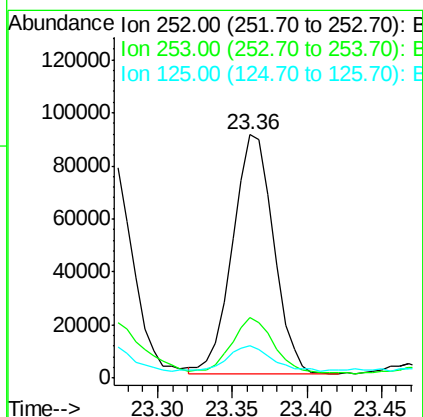
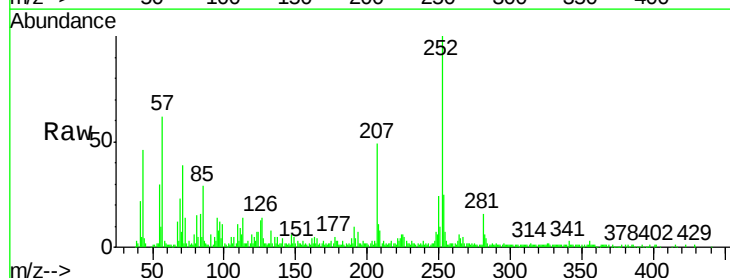
Instrument :
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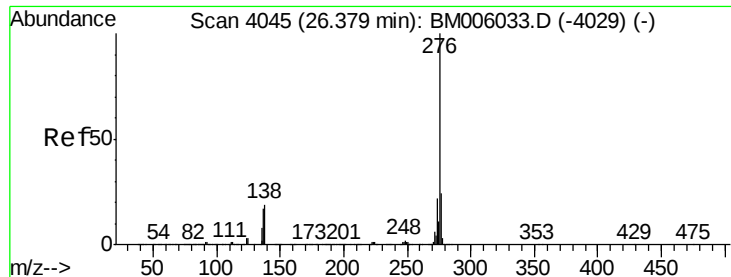
Tgt Ion:252 Resp: 300980
Ion Ratio Lower Upper
252 100
253 24.9 17.3 25.9
125 11.8 7.0 10.4#



#38
Benzo(a)pyrene
Concen: 1.66 ng/u1
RT: 23.36 min Scan# 3532
Delta R.T. -0.01 min
Lab File: BM006046.D
Acq: 26 Jun 2016 18:36

Tgt Ion:252 Resp: 173718
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 13.3 7.8 11.6#





#41

Benzo(g,h,i)perylene

Concen: 1.03 ng/ul

RT: 26.35 min Scan# 4040

Delta R.T. -0.03 min

Lab File: BM006046.D

Acq: 26 Jun 2016 18:36

Instrument :

BNA_M

ClientSampleId :

D9Y79

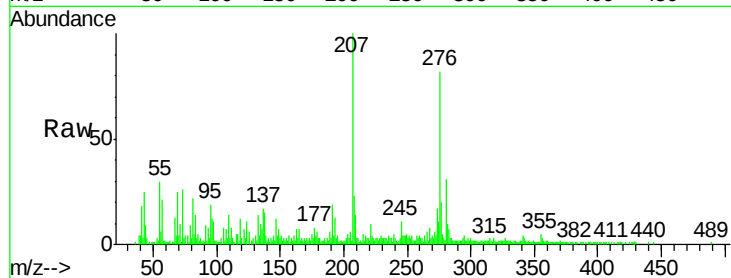
Tgt Ion: 276 Resp: 110866

Ion Ratio Lower Upper

276 100

138 18.6 15.9 23.9

277 24.1 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

