

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM063016\
 Data File : BM006170.D
 Acq On : 30 Jun 2016 22:48
 Operator : UM/SJ
 Sample : H3777-15MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YC4MS

Quant Time: Jul 01 00:59:59 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	197610	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	798470	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	416019	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	896926	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	970952	20.00	ng/ul	0.00
34) Perylene-d12	23.49	264	1036875	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	7195	1.69	ng/uL	0.00
3) Phenol-d5	6.84	99	307127	19.02	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	6.99	67	195515	20.54	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	247086	19.94	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	203713	15.68	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	121294	22.55	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	131185	21.31	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.07	165	230809	20.55	ng/ul	0.01
12) 4-Chloroaniline-d4	10.58	131	154137	17.36	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	657439	22.04	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	840684	23.23	ng/ul	0.00
20) 4-Nitrophenol-d4	14.53	143	105484	18.64	ng/ul	0.02
21) Fluorene-d10	15.30	176	571479	22.46	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.44	200	68867	21.68	ng/ul	0.01
26) Anthracene-d10	17.16	188	853934	23.73	ng/ul	0.00
30) Pyrene-d10	19.46	212	939557	24.03	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.34	264	957488	23.20	ng/ul	0.02

Target Compounds

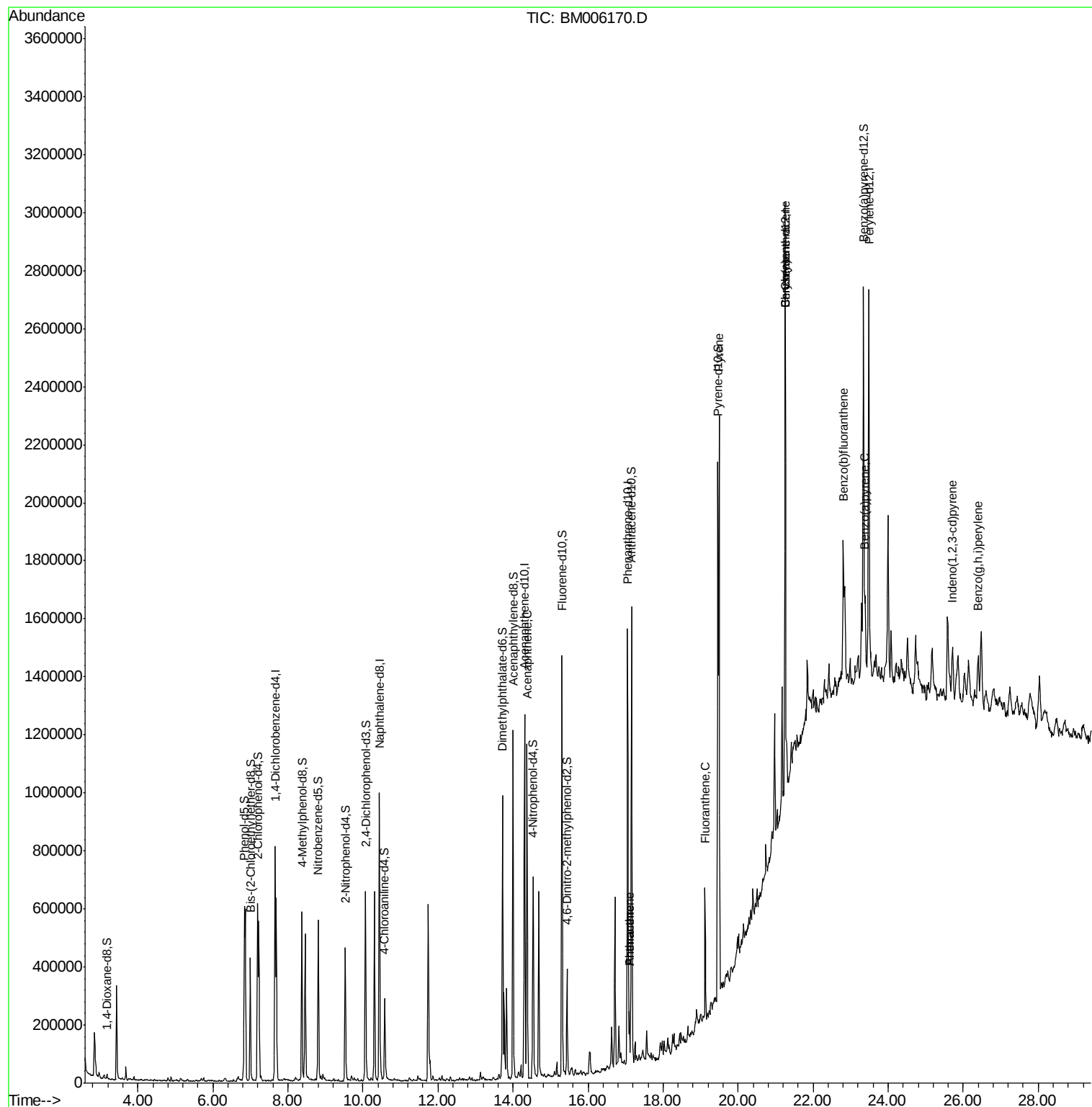
						Qvalue
19) Acenaphthene	14.37	153	475843	19.68	ng/ul	99
25) Phenanthrene	17.10	178	104177	2.45	ng/ul	99
27) Anthracene	17.10	178	104177	2.39	ng/ul	98
28) Fluoranthene	19.12	202	272439	5.24	ng/ul	98
31) Pyrene	19.49	202	1225741	23.93	ng/ul	96
32) Benzo(a)anthracene	21.24	228	157210	3.11	ng/ul#	91
33) Chrysene	21.24	228	155954	3.35	ng/ul	94
35) Benzo(b)fluoranthene	22.81	252	245500	4.56	ng/ul#	91
38) Benzo(a)pyrene	23.39	252	165635	3.26	ng/ul#	90
39) Indeno(1,2,3-cd)pyrene	25.71	276	135282	2.56	ng/ul	97
41) Benzo(g,h,i)perylene	26.40	276	182202	4.12	ng/ul	95

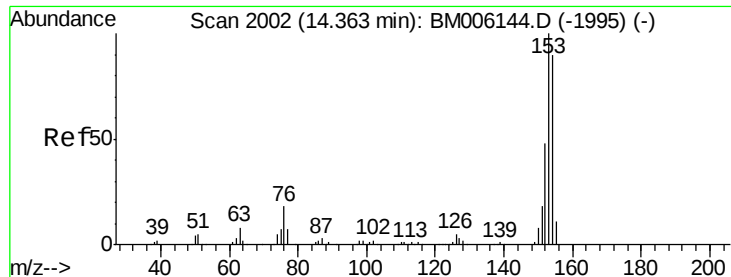
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#19

Acenaphthene

Concen: 19.68 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BM006170.D

Acq: 30 Jun 2016 22:48

Instrument :

BNA_M

ClientSampleId :

D9YC4MS

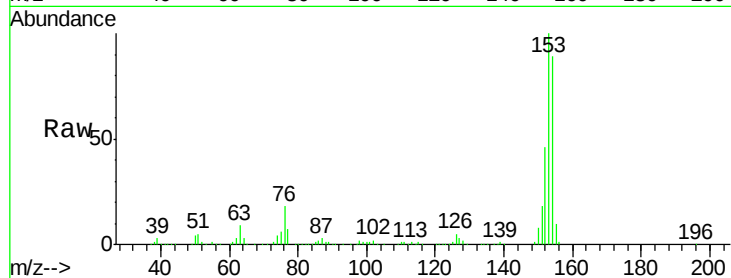
Tgt Ion:153 Resp: 475843

Ion Ratio Lower Upper

153 100

152 46.5 38.1 57.1

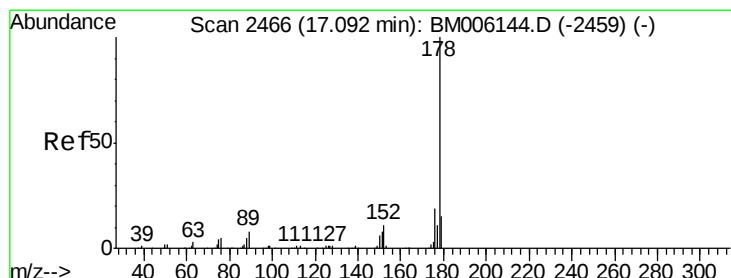
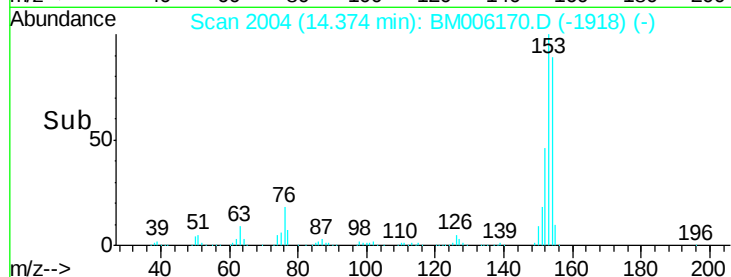
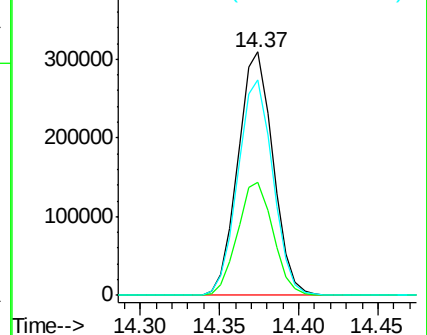
154 88.6 71.6 107.4



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#25

Phenanthrene

Concen: 2.45 ng/ul

RT: 17.10 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BM006170.D

Acq: 30 Jun 2016 22:48

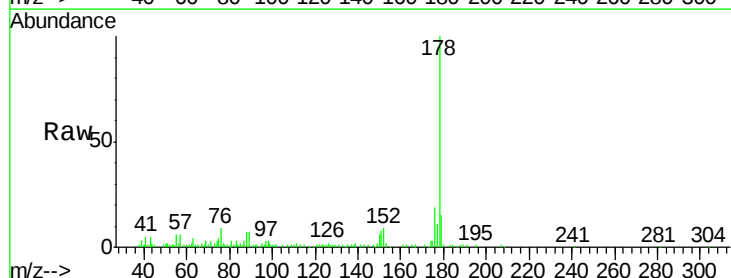
Tgt Ion:178 Resp: 104177

Ion Ratio Lower Upper

178 100

179 14.8 12.2 18.2

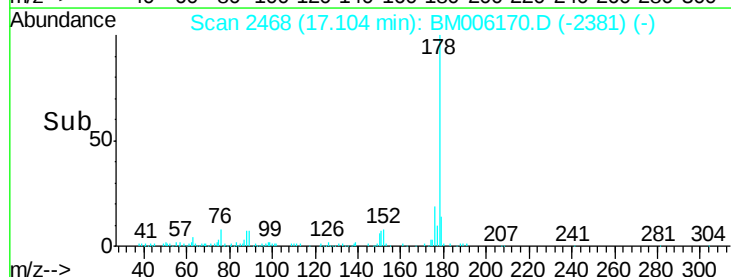
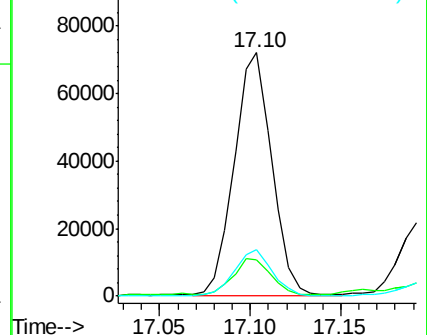
176 19.2 15.3 22.9

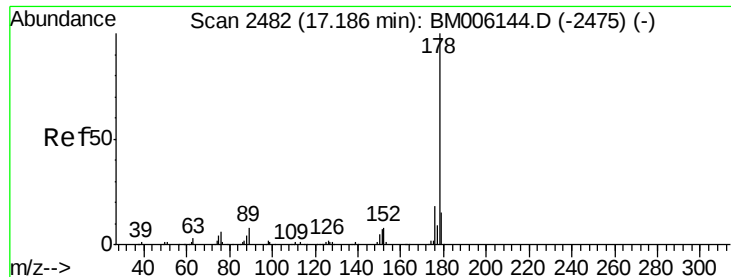


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 2.39 ng/ul

RT: 17.10 min Scan# 2468

Delta R.T. -0.08 min

Lab File: BM006170.D

Acq: 30 Jun 2016 22:48

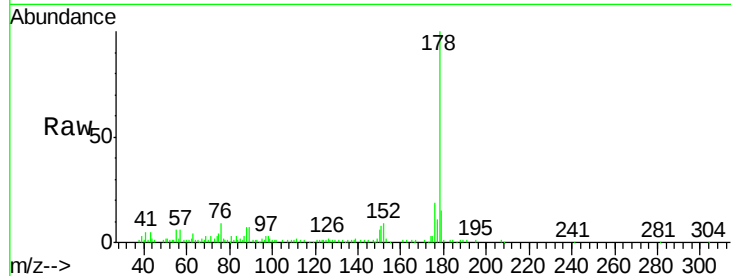
Instrument :

BNA_M

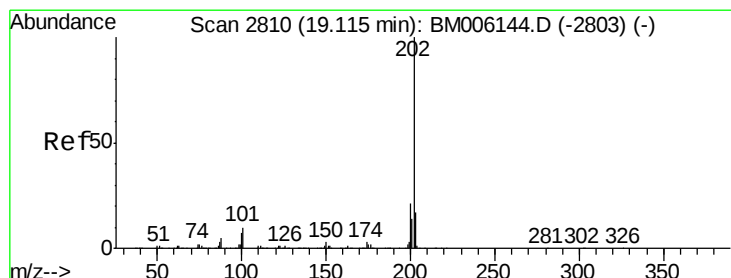
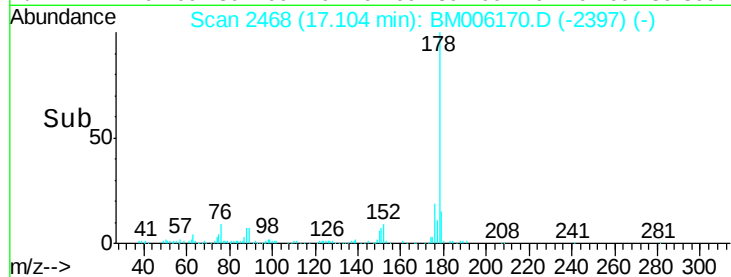
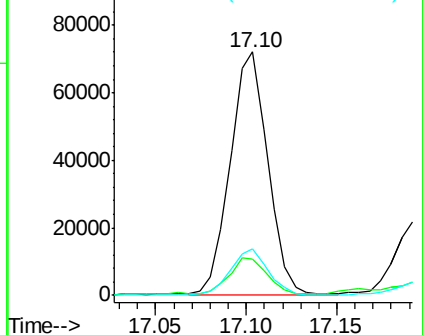
ClientSampleId :

D9YC4MS

Tgt Ion:	178	Resp:	104177
Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.3	18.5
176	19.2	14.6	22.0



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: 5.24 ng/ul

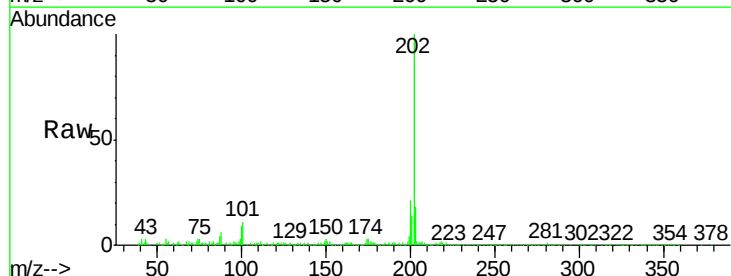
RT: 19.12 min Scan# 2811

Delta R.T. 0.01 min

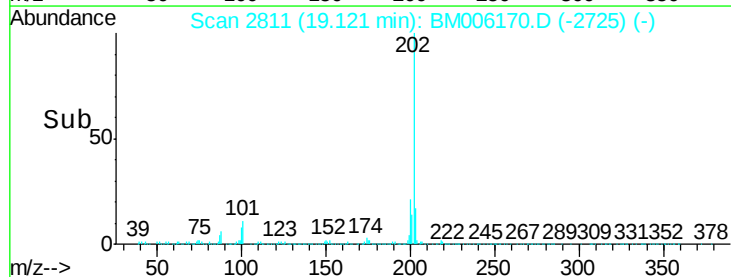
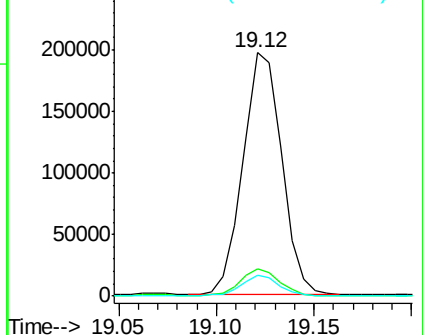
Lab File: BM006170.D

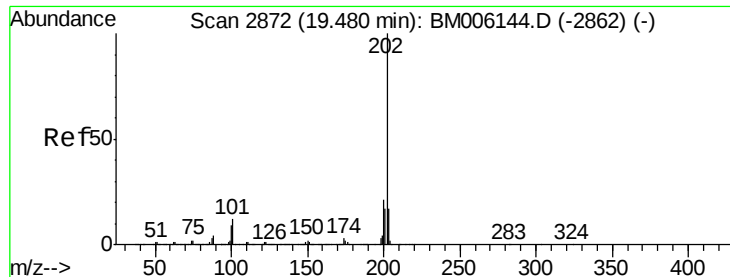
Acq: 30 Jun 2016 22:48

Tgt Ion:	202	Resp:	272439
Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.5	12.7
100	8.5	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

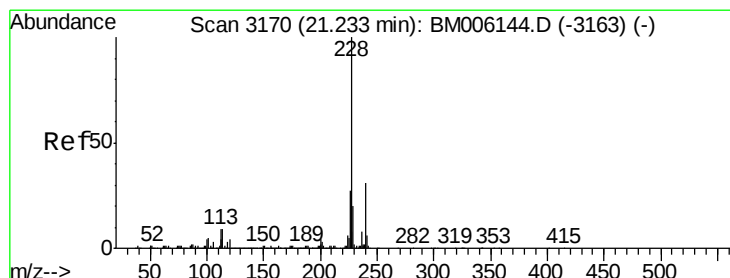
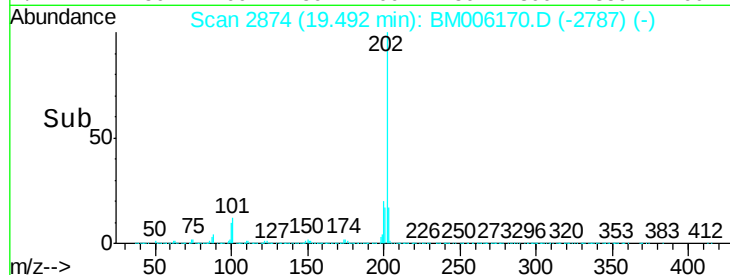
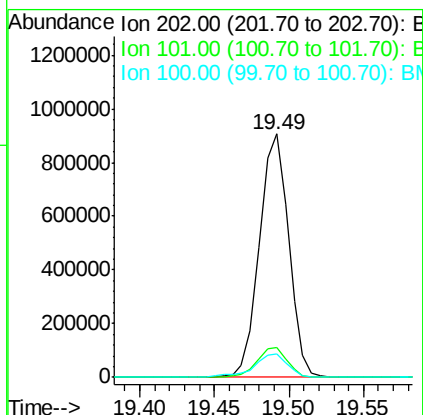
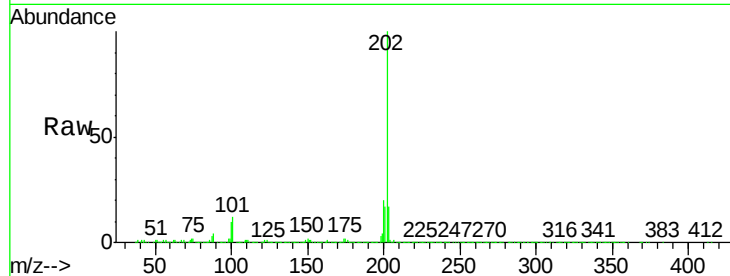




#31
 Pyrene
 Concen: 23.93 ng/ul
 RT: 19.49 min Scan# 2874
 Delta R.T. 0.01 min
 Lab File: BM006170.D
 Acq: 30 Jun 2016 22:48

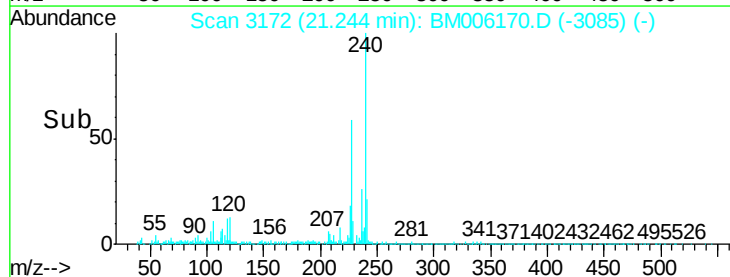
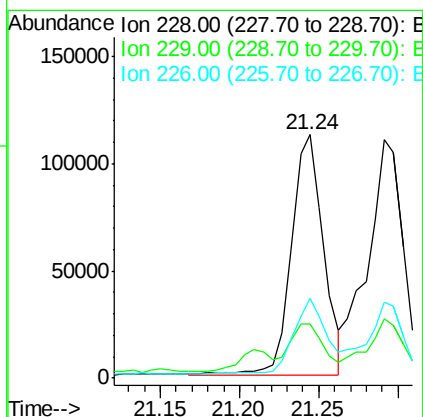
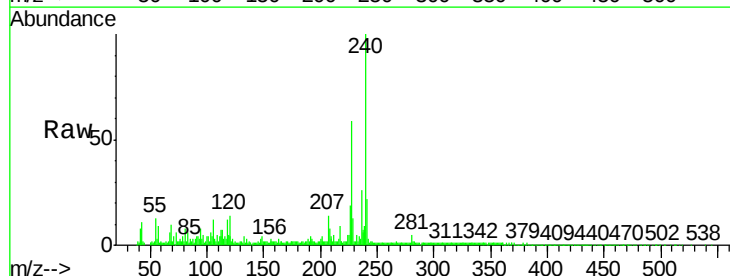
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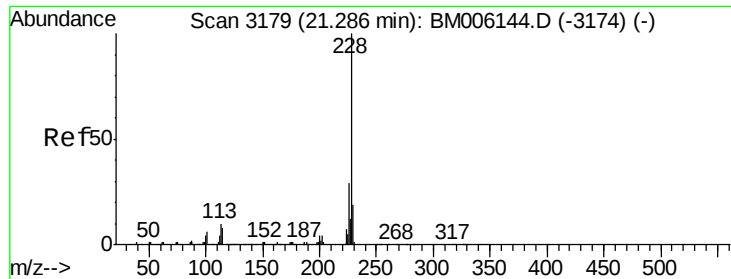
Tgt Ion:202 Resp: 1225741
 Ion Ratio Lower Upper
 202 100
 101 12.2 11.0 16.4
 100 9.6 8.9 13.3



#32
 Benzo(a)anthracene
 Concen: 3.11 ng/ul
 RT: 21.24 min Scan# 3172
 Delta R.T. 0.01 min
 Lab File: BM006170.D
 Acq: 30 Jun 2016 22:48

Tgt Ion:228 Resp: 157210
 Ion Ratio Lower Upper
 228 100
 229 22.5 15.6 23.4
 226 32.5 21.6 32.4#





#33

Chrysene

Concen: 3.35 ng/ul

RT: 21.24 min Scan# 3172

Delta R.T. -0.04 min

Lab File: BM006170.D

Acq: 30 Jun 2016 22:48

Instrument :

BNA_M

ClientSampleId :

D9YC4MS

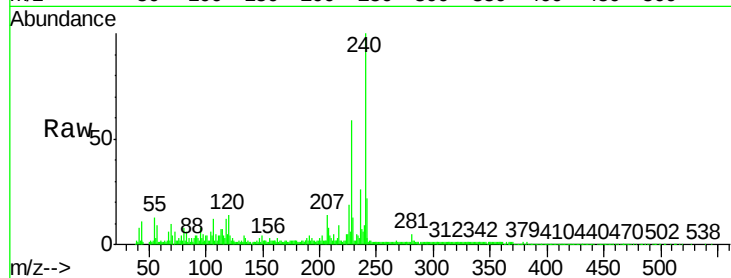
Tgt Ion:228 Resp: 155954

Ion Ratio Lower Upper

228 100

226 32.5 23.8 35.6

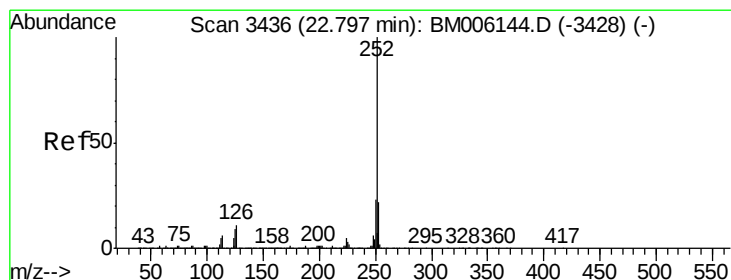
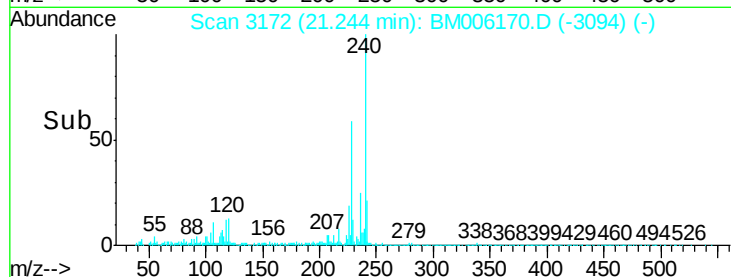
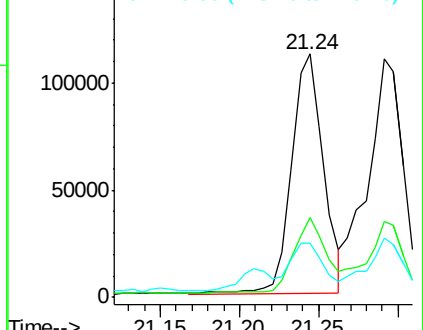
229 22.5 15.8 23.6



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: 4.56 ng/ul

RT: 22.81 min Scan# 3439

Delta R.T. 0.02 min

Lab File: BM006170.D

Acq: 30 Jun 2016 22:48

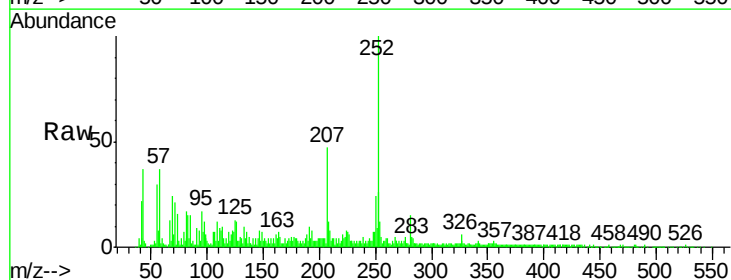
Tgt Ion:252 Resp: 245500

Ion Ratio Lower Upper

252 100

253 25.7 17.2 25.8

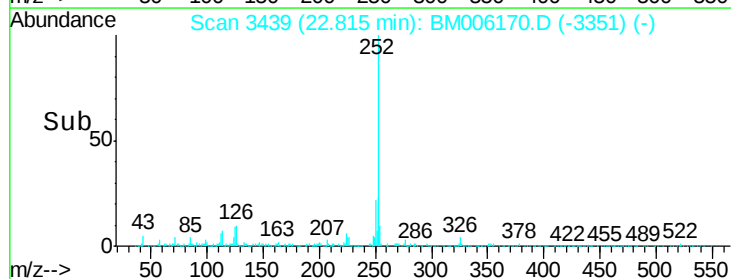
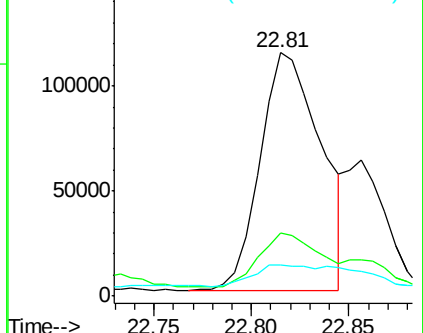
125 12.6 7.8 11.6#

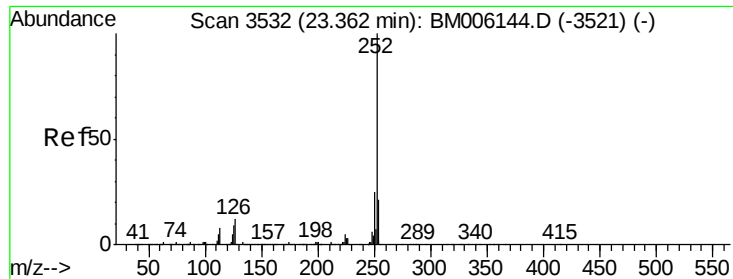


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 3.26 ng/ul

RT: 23.39 min Scan# 3536

Delta R.T. 0.02 min

Lab File: BM006170.D

Acq: 30 Jun 2016 22:48

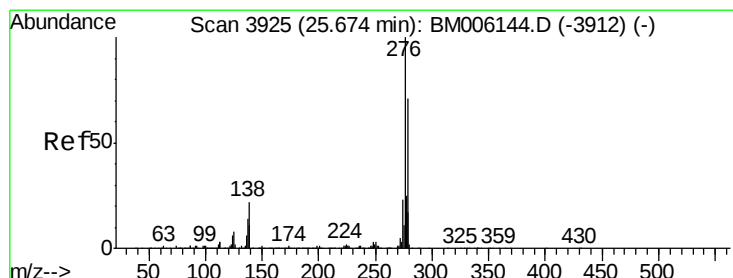
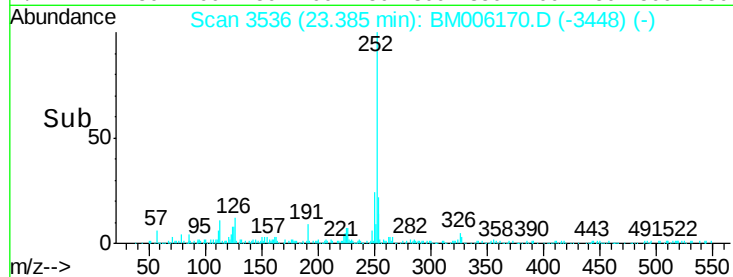
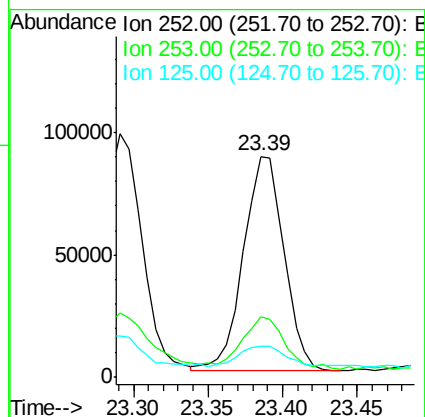
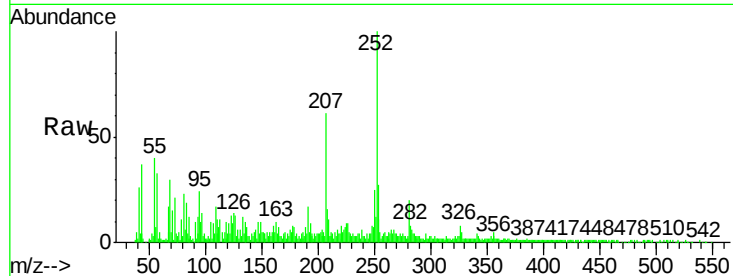
Instrument :

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Tgt Ion:	252	Resp:	165635
Ion Ratio	Lower	Upper	
252	100		
253	27.2	17.8	26.6#
125	14.3	8.7	13.1#



#39

Indeno(1,2,3-cd)pyrene

Concen: 2.56 ng/ul

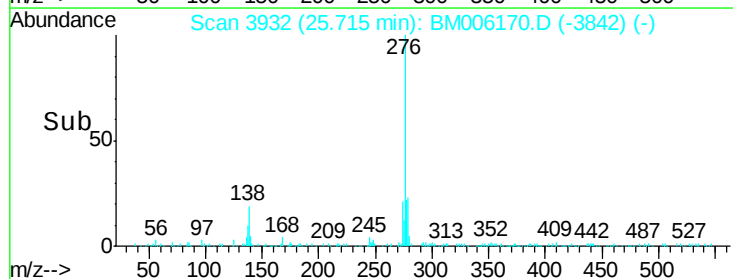
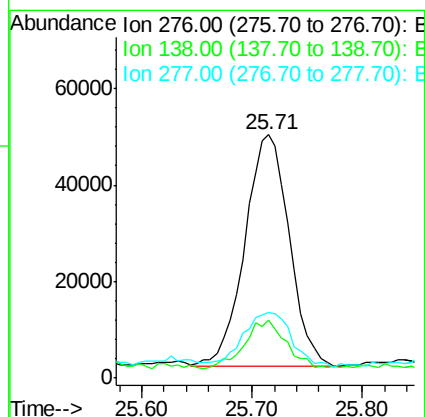
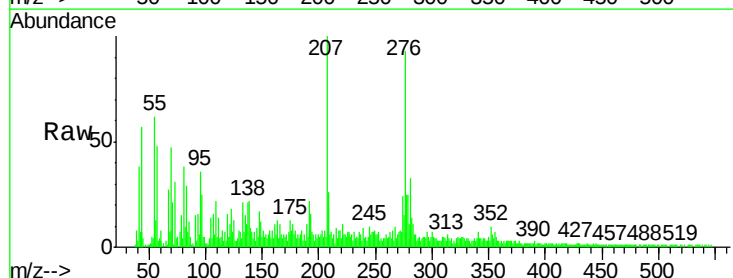
RT: 25.71 min Scan# 3932

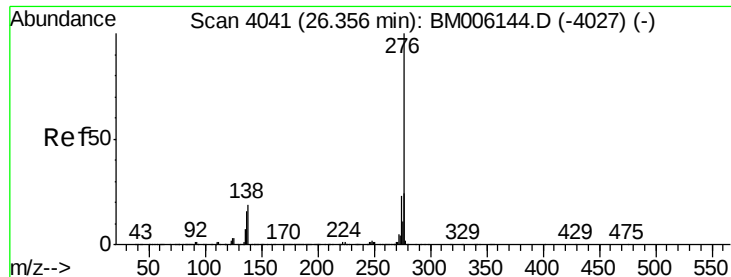
Delta R.T. 0.03 min

Lab File: BM006170.D

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Tgt Ion:	276	Resp:	135282
Ion Ratio	Lower	Upper	
276	100		
138	23.9	20.4	30.6
277	27.1	20.6	30.8





#41

Benzo(g,h,i)perylene

Concen: 4.12 ng/ul

RT: 26.40 min Scan# 4049

Delta R.T. 0.05 min

Lab File: BM006170.D

Acq: 30 Jun 2016 22:48

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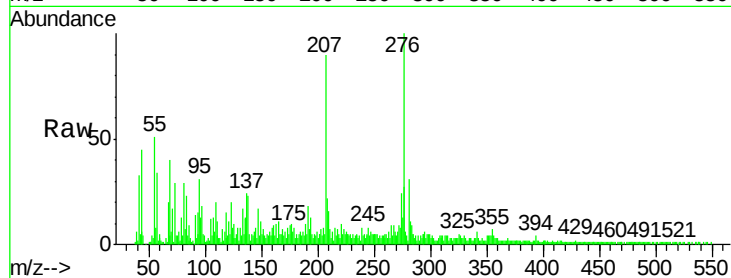
Tgt Ion: 276 Resp: 182202

Ion Ratio Lower Upper

276 100

138 22.8 16.6 25.0

277 26.8 18.9 28.3



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

