

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
 Data File : BM006076.D
 Acq On : 27 Jun 2016 18:57
 Operator : UM/SJ
 Sample : H3671-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YA6

Quant Time: Jun 28 02:13:34 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	230143	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1211139	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	795556	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1901250	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	1903624	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1638151	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	9083	1.76	ng/uL	0.00
3) Phenol-d5	6.83	99	380834	15.73	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	277280	20.59	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	319755	18.96	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	177360	8.68	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	186756	20.25	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	205823	20.06	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	363463	18.47	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	415718	19.47	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1325568	19.46	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1694496	21.45	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	184935	12.73	ng/ul	-0.01
21) Fluorene-d10	15.30	176	1208138	20.78	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	98828	9.36	ng/ul	-0.01
26) Anthracene-d10	17.16	188	1979313	22.66	ng/ul	0.00
30) Pyrene-d10	19.46	212	2303349	27.62	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	1752306	23.69	ng/ul	-0.01

Target Compounds

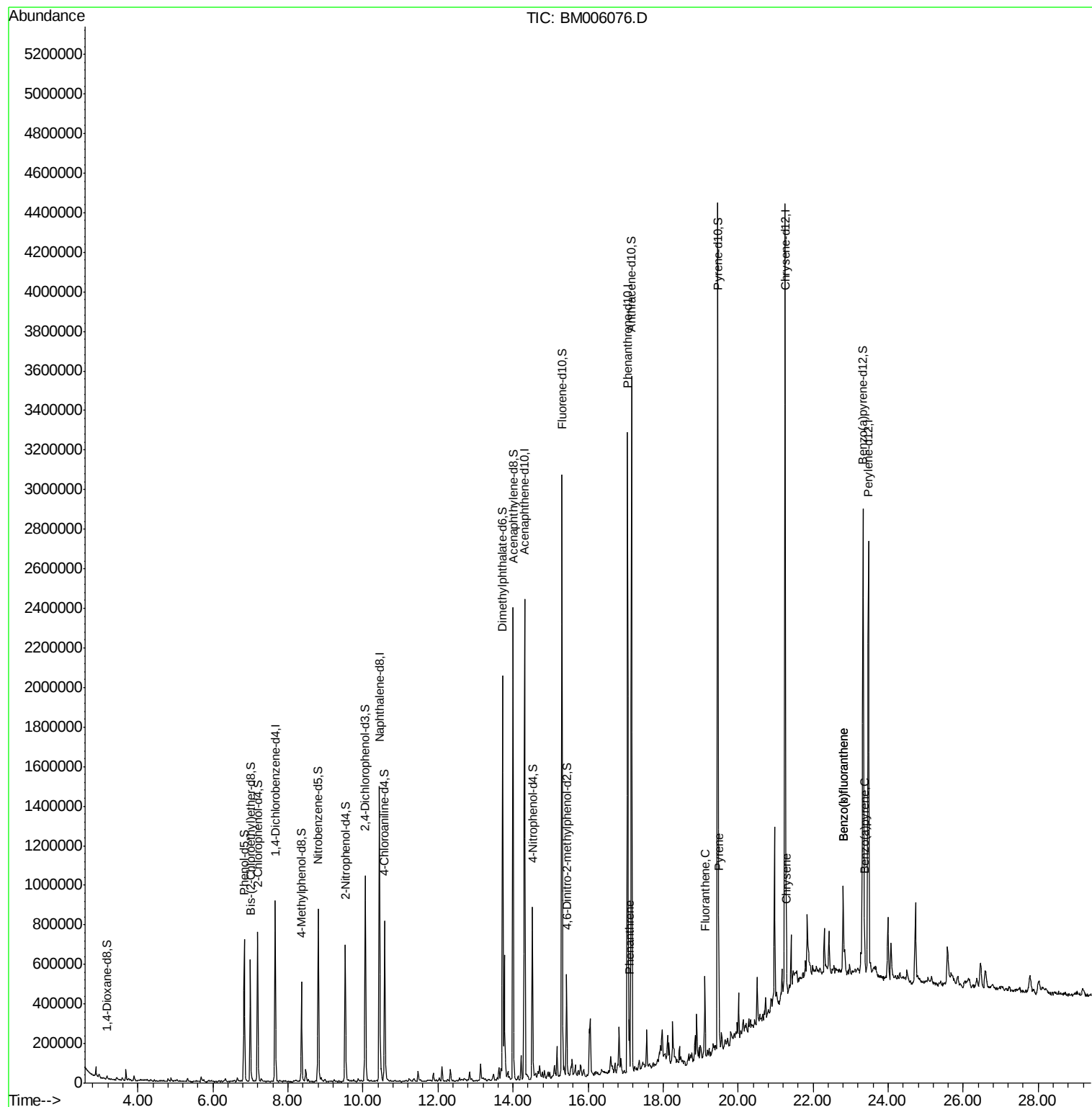
						Qvalue
25) Phenanthrene	17.10	178	154301	1.51	ng/ul	99
28) Fluoranthene	19.12	202	218439	1.67	ng/ul	99
31) Pyrene	19.49	202	208067	1.91	ng/ul	96
33) Chrysene	21.29	228	133566	1.29	ng/ul#	95
35) Benzo(b)fluoranthene	22.80	252	150607	1.58	ng/ul#	96
36) Benzo(k)fluoranthene	22.80	252	150607	1.70	ng/ul#	97
38) Benzo(a)pyrene	23.37	252	92453	1.01	ng/ul#	95

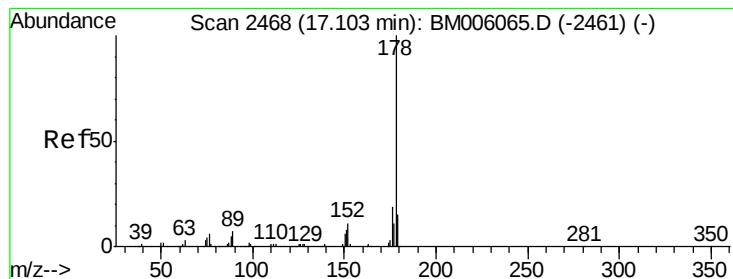
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 1.51 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BM006076.D

Acq: 27 Jun 2016 18:57

Instrument :

BNA_M

ClientSampleId :

D9YA6

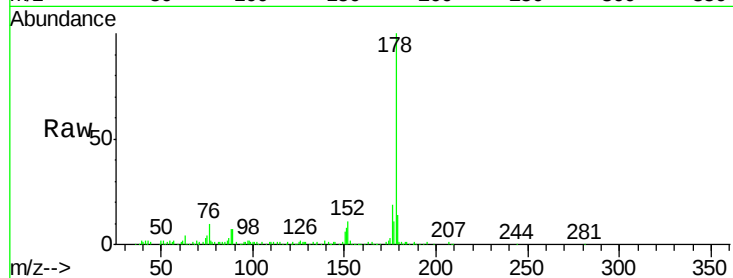
Tgt Ion:178 Resp: 154301

Ion Ratio Lower Upper

178 100

179 14.0 12.2 18.2

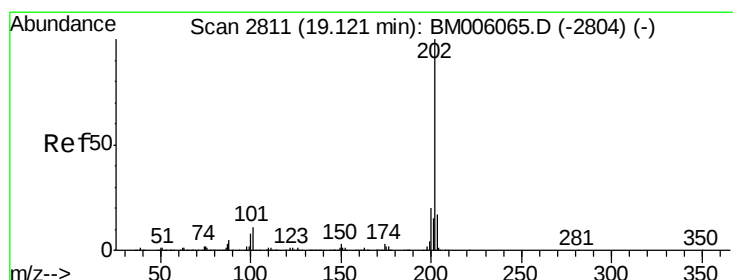
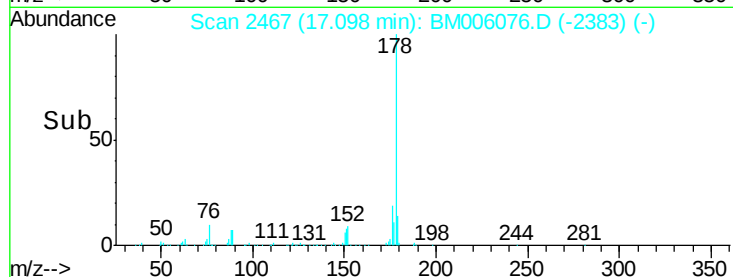
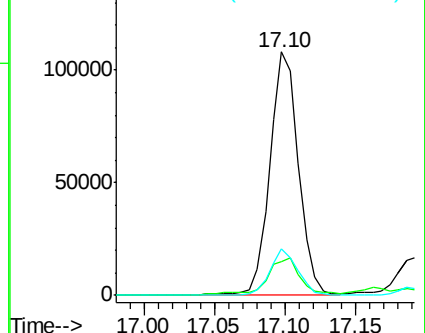
176 19.3 15.3 22.9



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: 1.67 ng/ul

RT: 19.12 min Scan# 2811

Delta R.T. 0.00 min

Lab File: BM006076.D

Acq: 27 Jun 2016 18:57

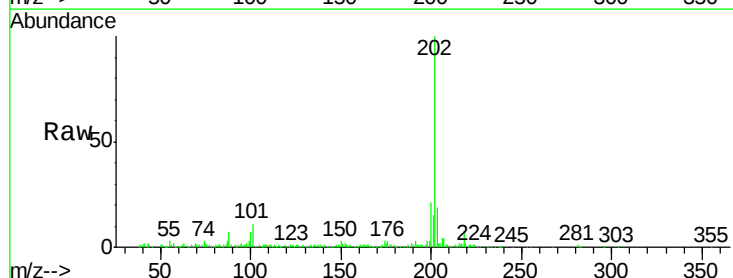
Tgt Ion:202 Resp: 218439

Ion Ratio Lower Upper

202 100

101 10.9 8.5 12.7

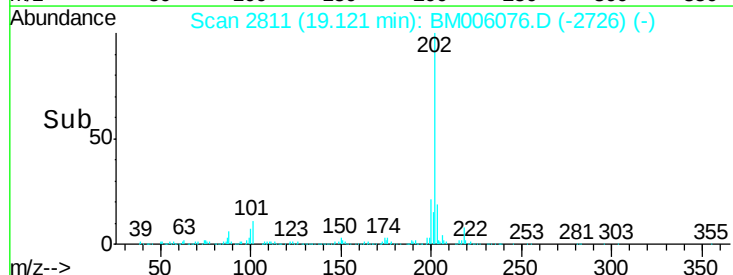
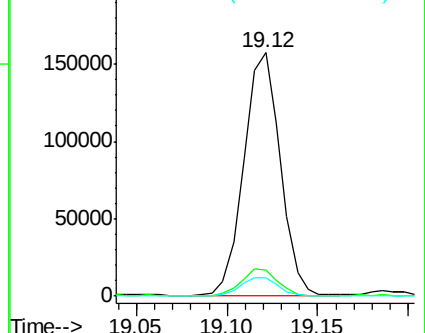
100 7.4 6.5 9.7

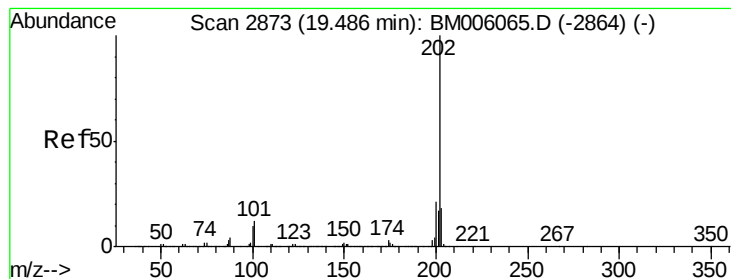


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 1.91 ng/ul

RT: 19.49 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BM006076.D

Acq: 27 Jun 2016 18:57

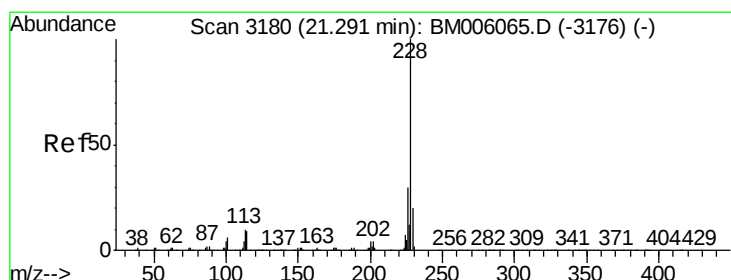
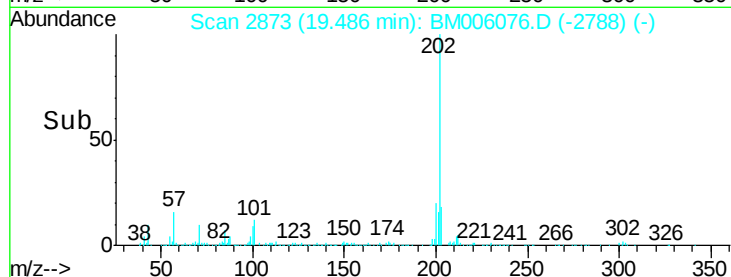
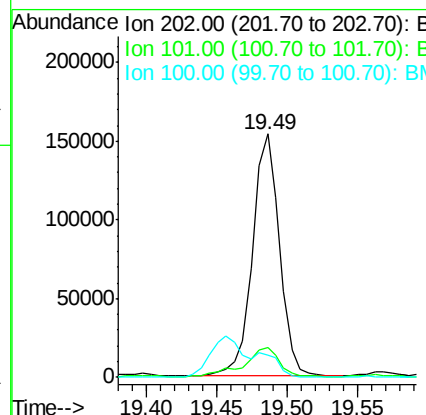
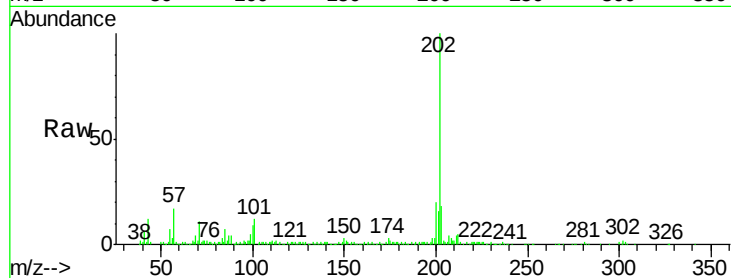
Instrument :

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Tgt Ion:	202	Resp:	208067
Ion	Ratio	Lower	Upper
202	100		
101	12.3	11.0	16.4
100	9.4	8.9	13.3



#33

Chrysene

Concen: 1.29 ng/ul

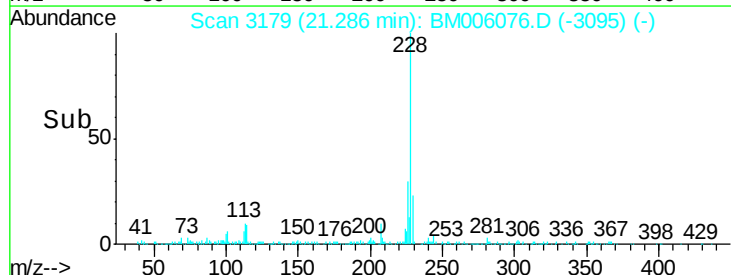
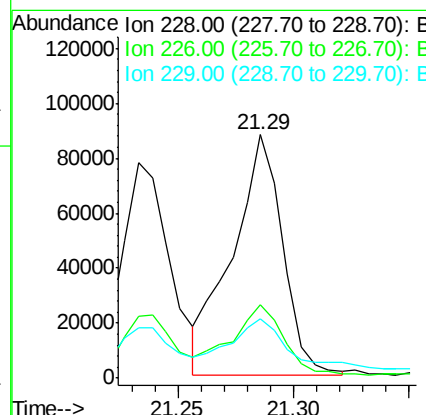
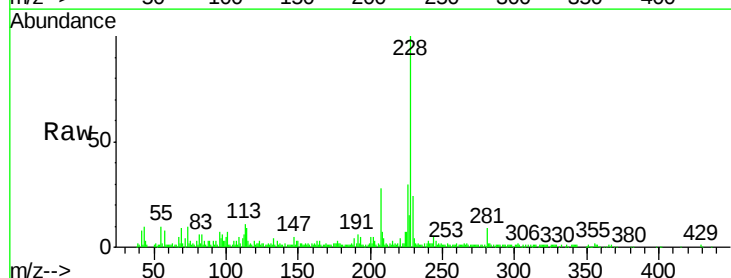
RT: 21.29 min Scan# 3179

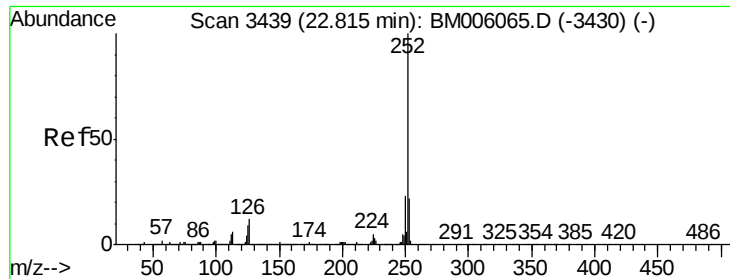
Delta R.T. -0.01 min

Lab File: BM006076.D

Acq: 27 Jun 2016 18:57

Tgt Ion:	228	Resp:	133566
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.8	35.6
229	24.2	15.8	23.6#





#35

Benzo(b)fluoranthene

Concen: 1.58 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. -0.01 min

Lab File: BM006076.D

Acq: 27 Jun 2016 18:57

Instrument :

BNA_M

ClientSampleId :

D9YA6

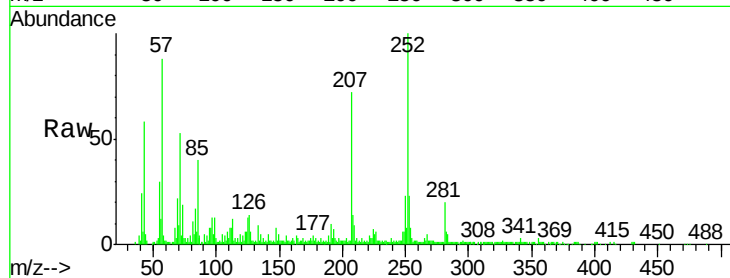
Tgt Ion:252 Resp: 150607

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

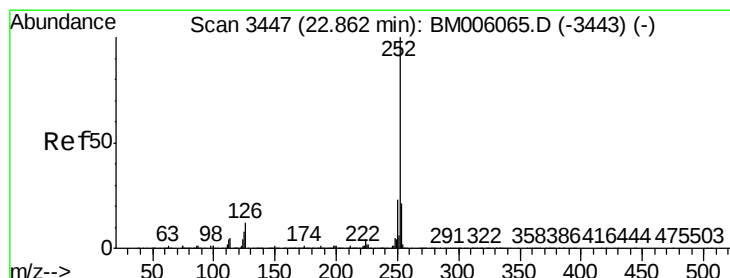
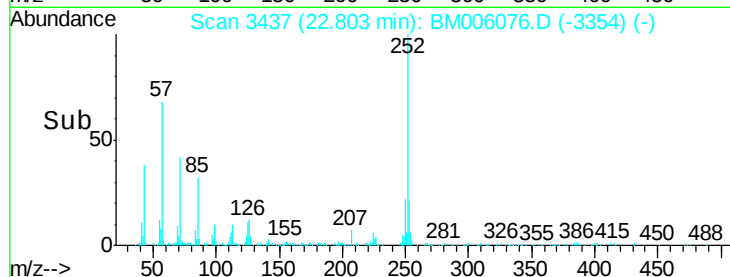
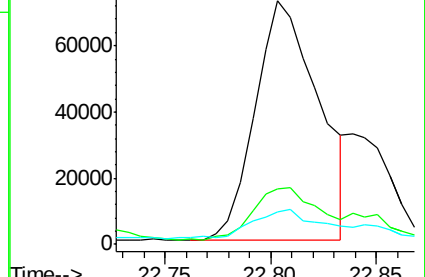
125 13.2 7.8 11.6#



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: 1.70 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. -0.06 min

Lab File: BM006076.D

Acq: 27 Jun 2016 18:57

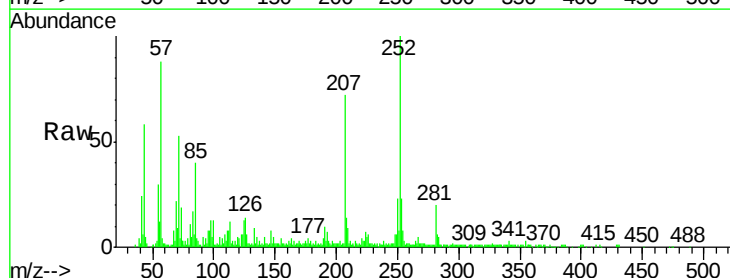
Tgt Ion:252 Resp: 150607

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

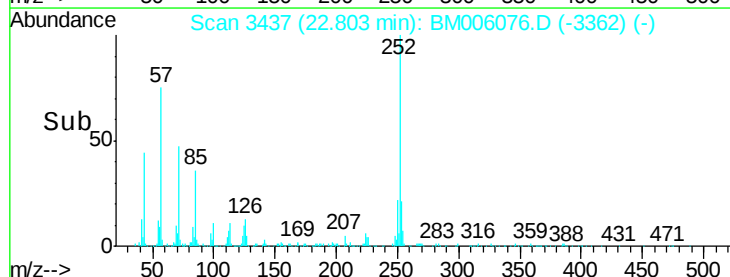
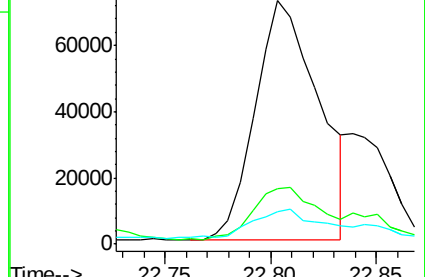
125 13.2 8.1 12.1#

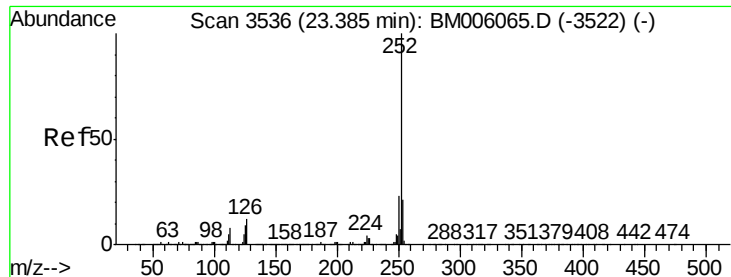


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 1.01 ng/ul

RT: 23.37 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BM006076.D

Acq: 27 Jun 2016 18:57

Instrument :

BNA_M

ClientSampleId :

D9YA6

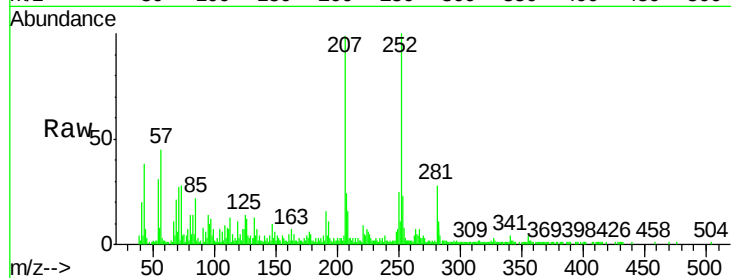
Tgt Ion:252 Resp: 92453

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 14.4 8.7 13.1#



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

