

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062916\
 Data File : BM006143.D
 Acq On : 30 Jun 2016 01:51
 Operator : UM/SJ
 Sample : H3777-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YB6

Quant Time: Jun 30 03:32:07 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	7.65	152	244590	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1172165	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	707396	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1583345	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1355741	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1143168	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	8757	1.66	ng/uL	0.00
3) Phenol-d5	6.82	99	417422	20.89	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	290172	24.63	ng/ul	0.00
5) 2-Chlorophenol-d4	7.18	132	343577	22.40	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	290126	18.04	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	187396	23.74	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	210491	23.29	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	364274	22.09	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	410992	31.54	ng/ul	0.00
16) Dimethylphthalate-d6	13.71	166	1187679	23.42	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1492619	24.26	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	149888	15.58	ng/ul	0.00
21) Fluorene-d10	15.30	176	1036238	23.95	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	152079	27.12	ng/ul	0.00
26) Anthracene-d10	17.14	188	1538788	24.23	ng/ul	0.00
30) Pyrene-d10	19.45	212	1653826	30.29	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1120337	24.63	ng/ul	0.00

Target Compounds

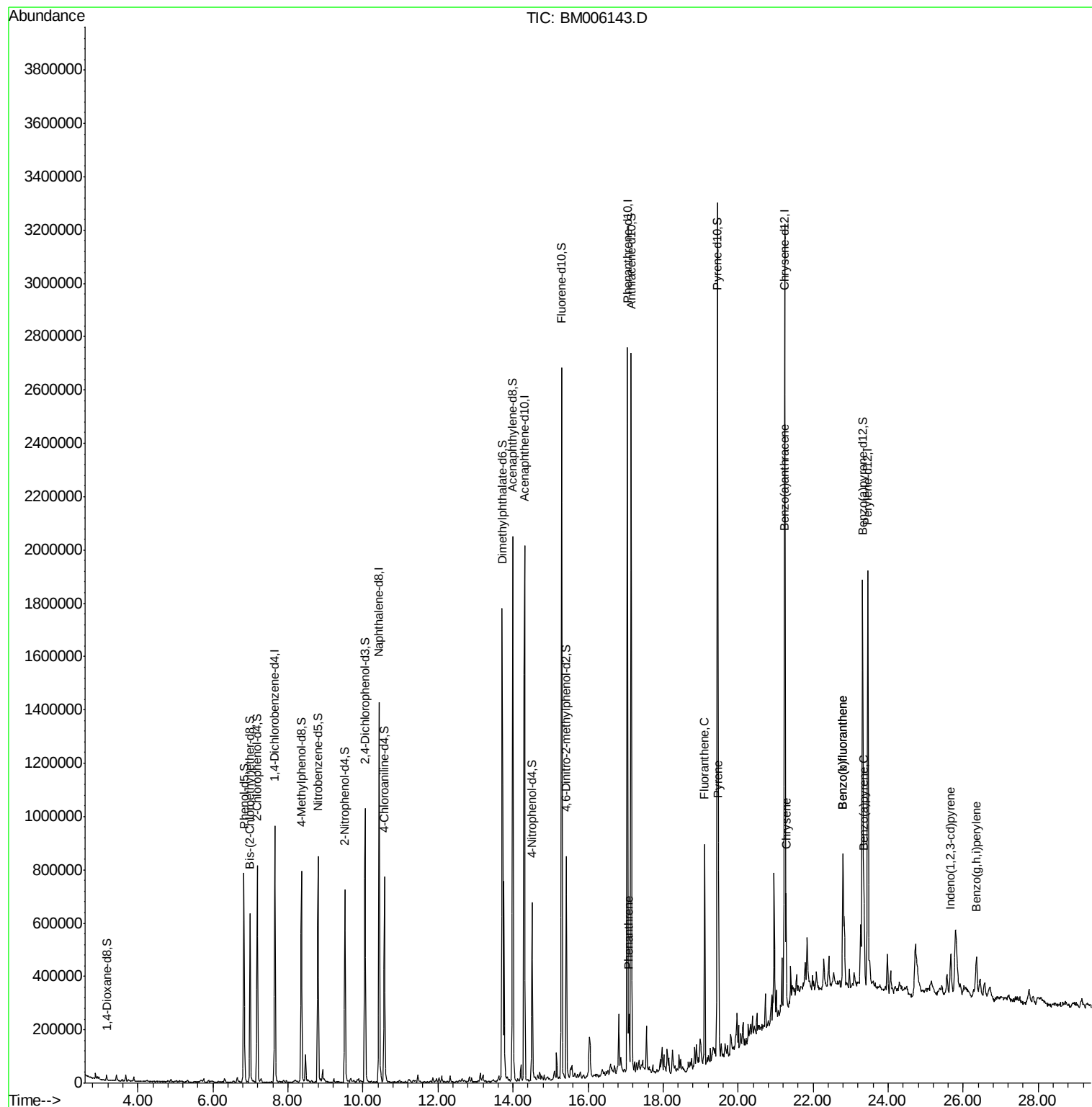
						Qvalue
25) Phenanthrene	17.09	178	121655	1.62	ng/ul	99
28) Fluoranthene	19.11	202	488248	5.32	ng/ul	97
31) Pyrene	19.48	202	414046	5.79	ng/ul	97
32) Benzo(a)anthracene	21.23	228	246744	3.50	ng/ul	96
33) Chrysene	21.28	228	256286	3.95	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	355181	5.99	ng/ul	98
36) Benzo(k)fluoranthene	22.80	252	355181	6.38	ng/ul	99
38) Benzo(a)pyrene	23.36	252	208711	3.72	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.67	276	161888	2.78	ng/ul#	92
41) Benzo(g,h,i)perylene	26.35	276	146255	3.00	ng/ul	95

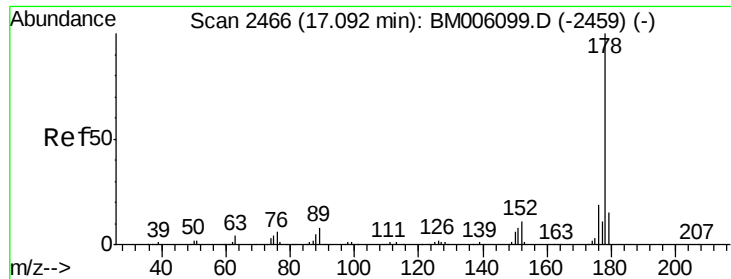
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 1.62 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BM006143.D

Acq: 30 Jun 2016 01:51

Instrument :

BNA_M

ClientSampleId :

D9YB6

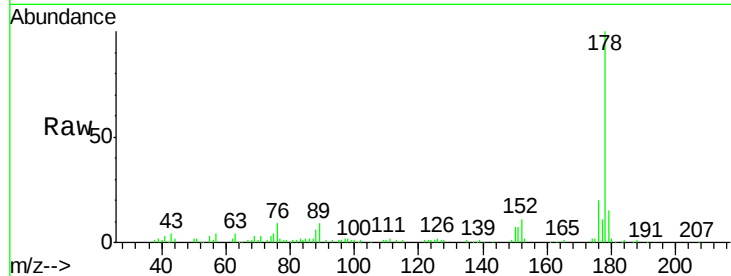
Tgt Ion:178 Resp: 121655

Ion Ratio Lower Upper

178 100

179 15.0 12.2 18.2

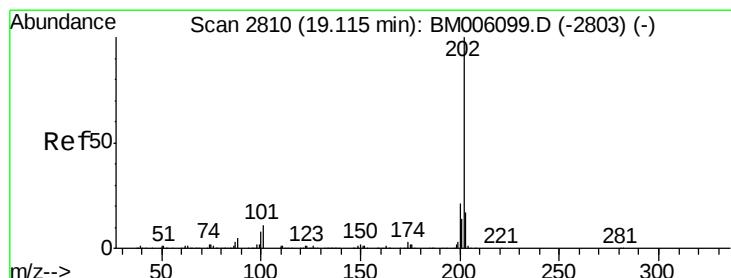
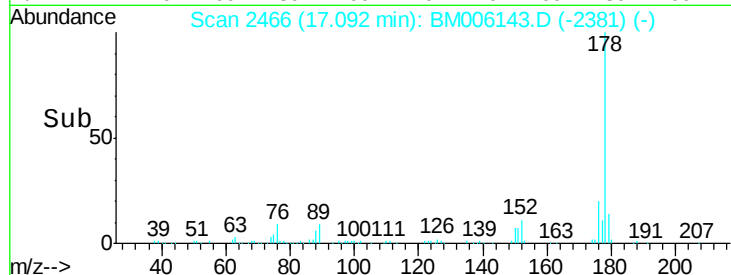
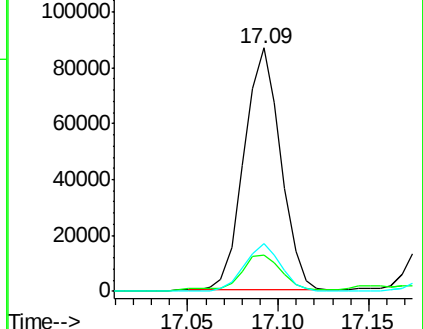
176 19.7 15.3 22.9



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: 5.32 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BM006143.D

Acq: 30 Jun 2016 01:51

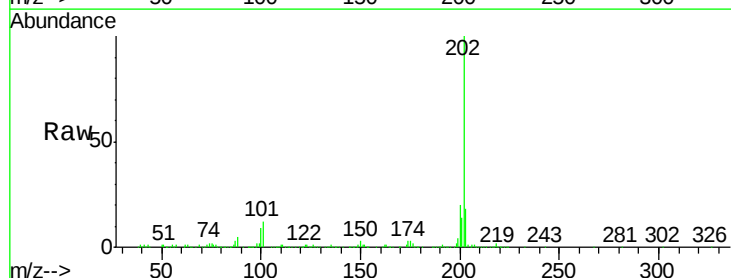
Tgt Ion:202 Resp: 488248

Ion Ratio Lower Upper

202 100

101 12.1 8.5 12.7

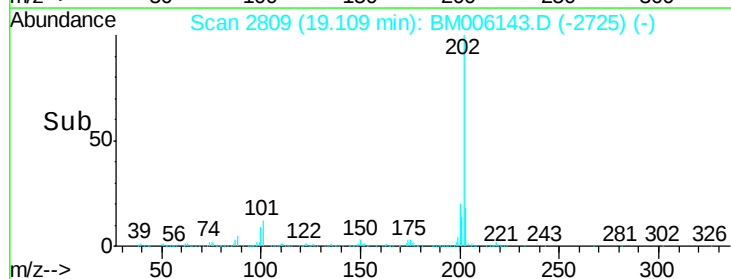
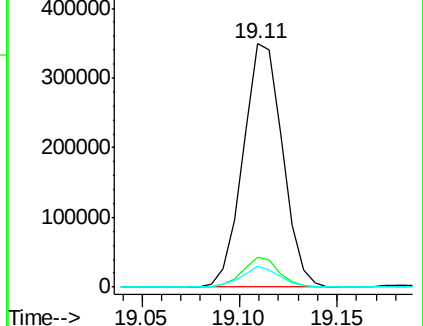
100 8.8 6.5 9.7

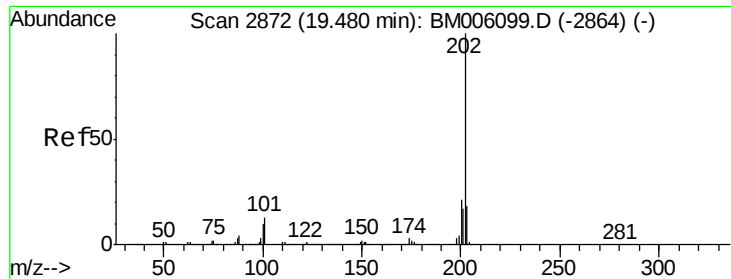


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 5.79 ng/ul

RT: 19.48 min Scan# 2872

Delta R.T. -0.00 min

Lab File: BM006143.D

Acq: 30 Jun 2016 01:51

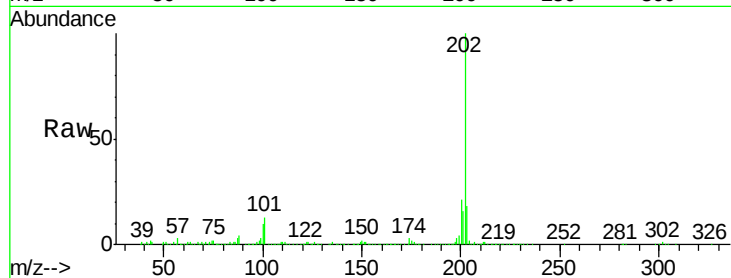
Instrument :

BNA_M

ClientSampleId :

D9YB6

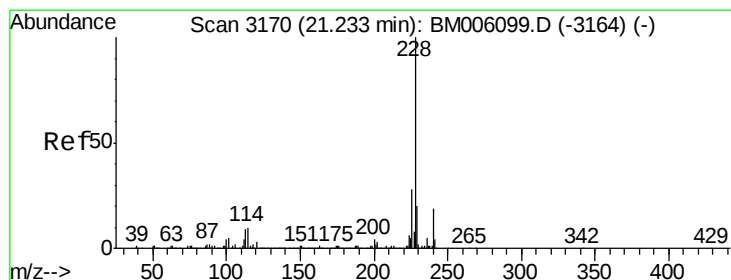
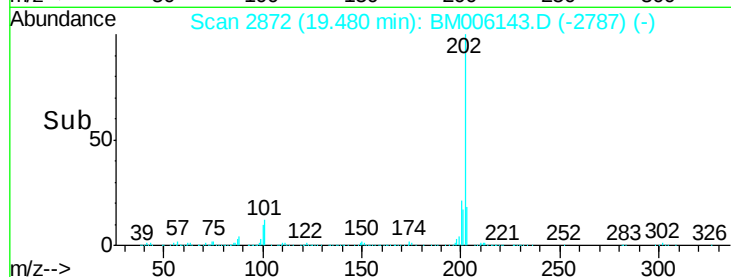
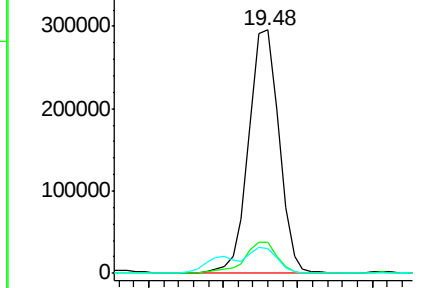
Tgt Ion:	202	Resp:	414046
Ion	Ratio	Lower	Upper
202	100		
101	12.6	11.0	16.4
100	10.0	8.9	13.3



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: 3.50 ng/ul

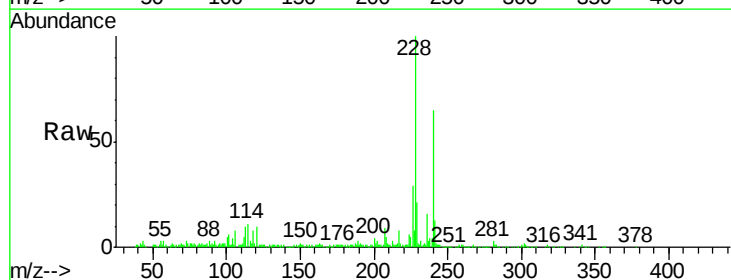
RT: 21.23 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BM006143.D

Acq: 30 Jun 2016 01:51

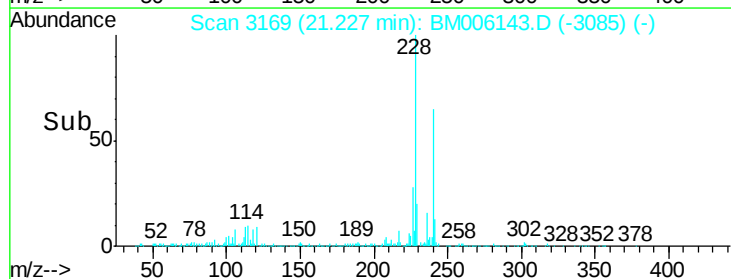
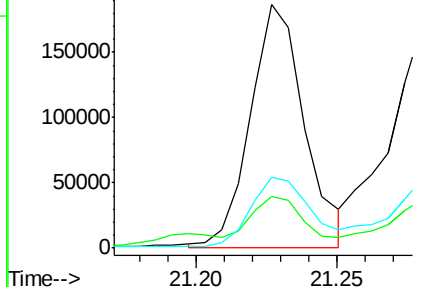
Tgt Ion:	228	Resp:	246744
Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.6	23.4
226	28.9	21.6	32.4

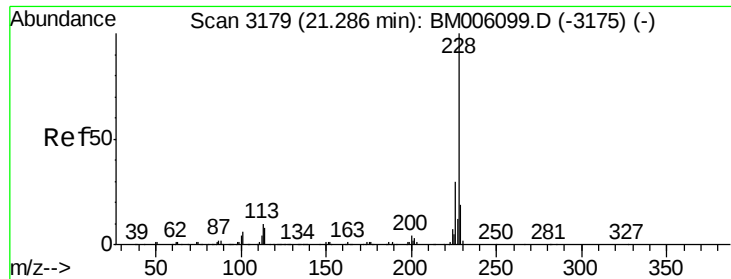


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 3.95 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006143.D

Acq: 30 Jun 2016 01:51

Instrument :

BNA_M

ClientSampleId :

D9YB6

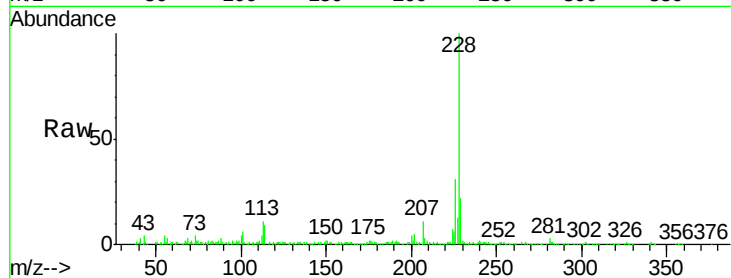
Tgt Ion:228 Resp: 256286

Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.6

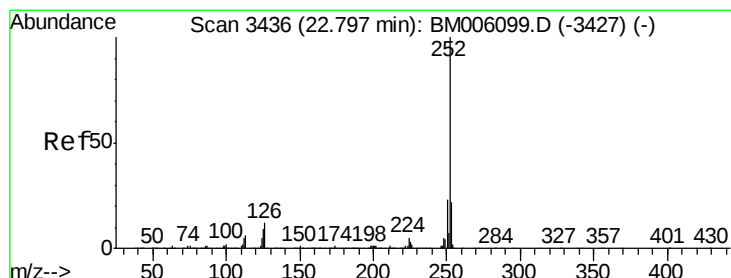
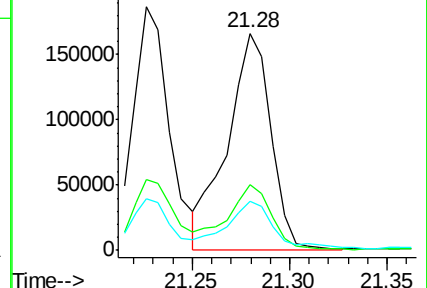
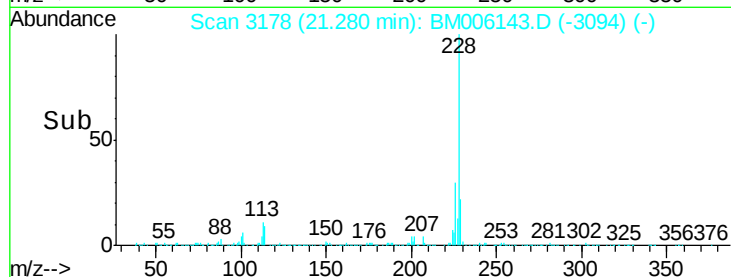
229 22.4 15.8 23.6



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: 5.99 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006143.D

Acq: 30 Jun 2016 01:51

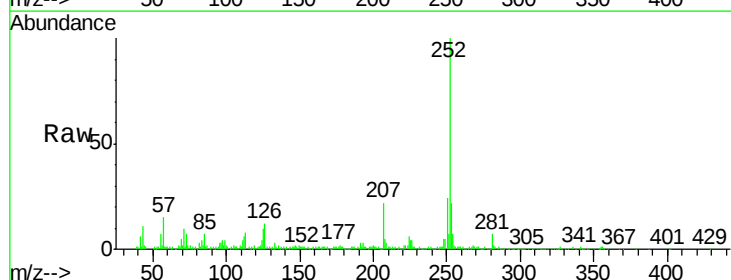
Tgt Ion:252 Resp: 355181

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

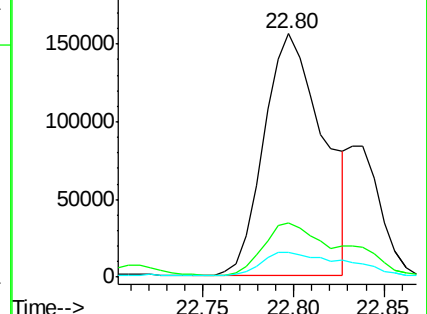
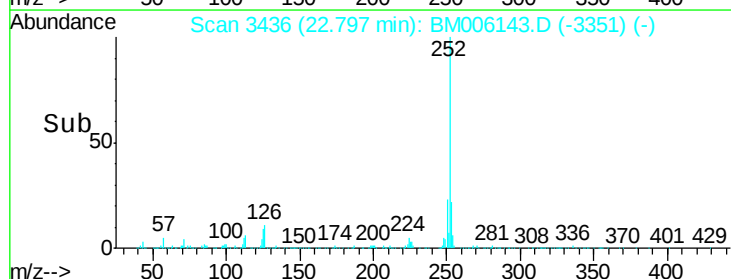
125 10.4 7.8 11.6

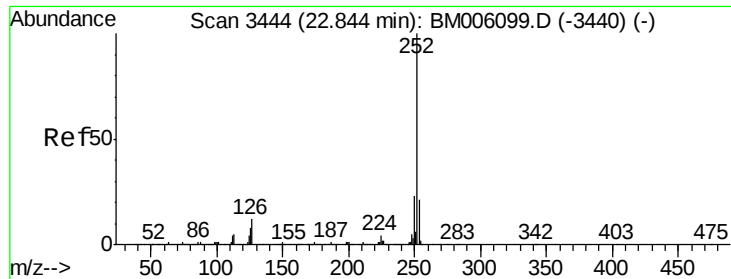


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

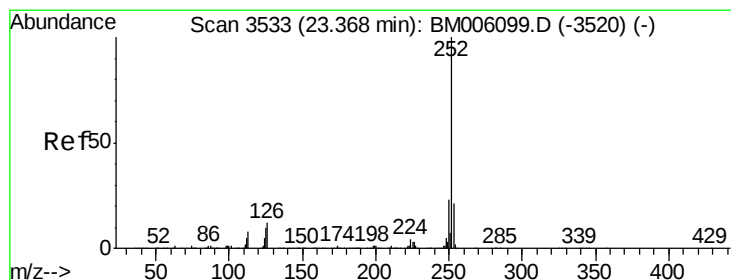
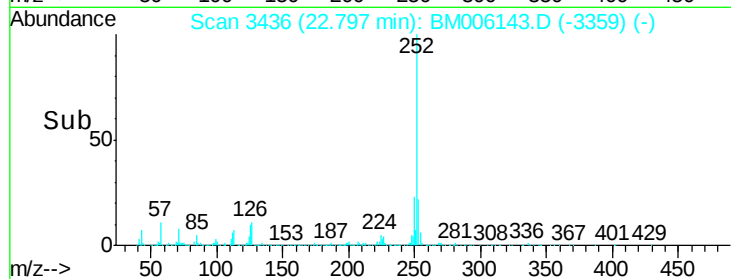
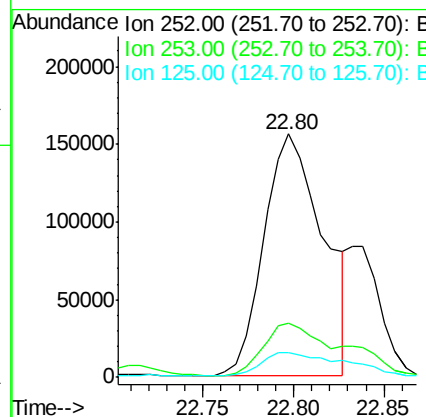
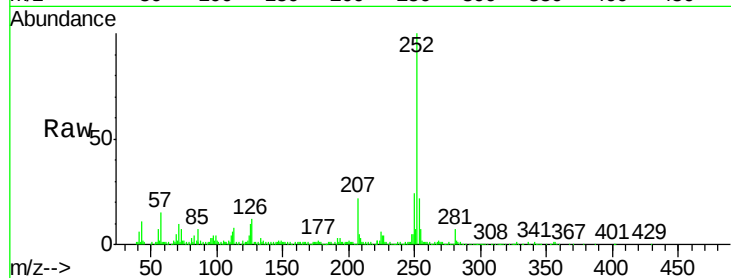




#36
Benzo(k)fluoranthene
Concen: 6.38 ng/ul
RT: 22.80 min Scan# 3436
Delta R.T. -0.05 min
Lab File: BM006143.D
Acq: 30 Jun 2016 01:51

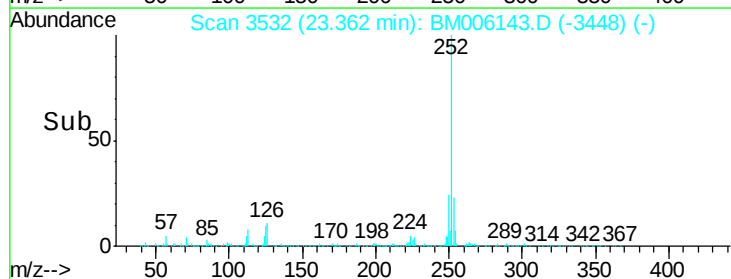
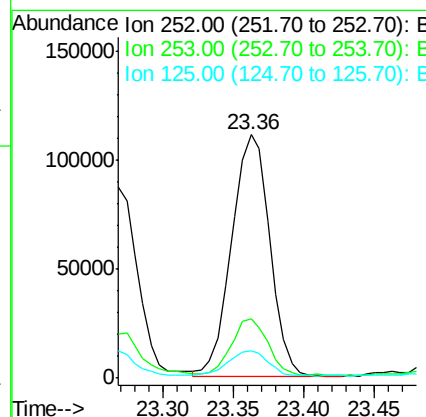
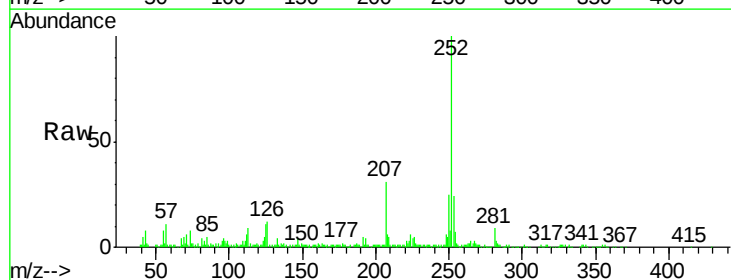
Instrument :
BNA_M
ClientSampleId :
D9YB6

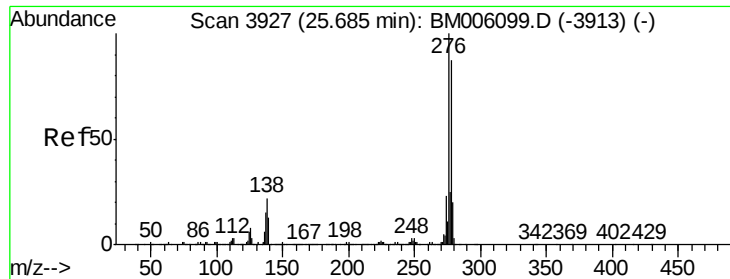
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	10.4	8.1	12.1



#38
Benzo(a)pyrene
Concen: 3.72 ng/ul
RT: 23.36 min Scan# 3532
Delta R.T. -0.01 min
Lab File: BM006143.D
Acq: 30 Jun 2016 01:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	11.2	8.7	13.1





#39

Indeno(1,2,3-cd)pyrene

Concen: 2.78 ng/ul

RT: 25.67 min Scan# 3924

Delta R.T. -0.02 min

Lab File: BM006143.D

Acq: 30 Jun 2016 01:51

Instrument :

BNA_M

ClientSampleId :

D9YB6

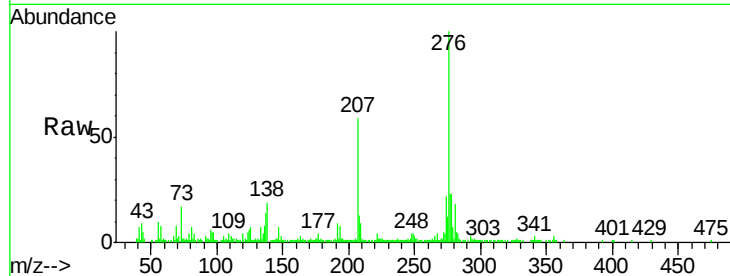
Tgt Ion:276 Resp: 161888

Ion Ratio Lower Upper

276 100

138 19.1 20.4 30.6#

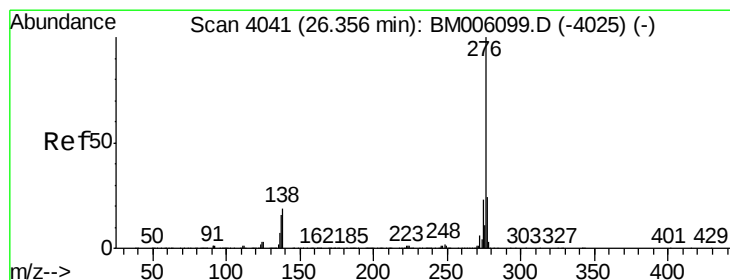
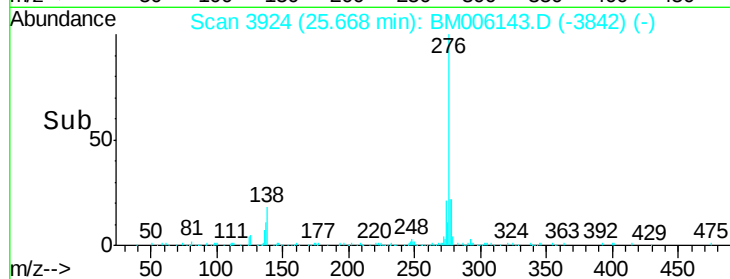
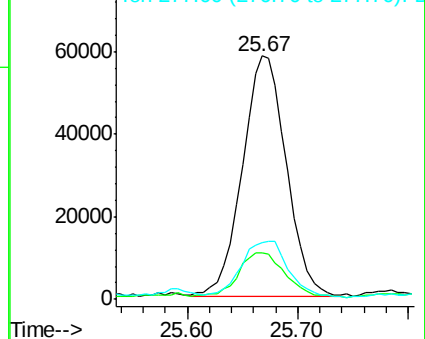
277 23.5 20.6 30.8



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



#41

Benzo(g,h,i)perylene

Concen: 3.00 ng/ul

RT: 26.35 min Scan# 4040

Delta R.T. -0.01 min

Lab File: BM006143.D

Acq: 30 Jun 2016 01:51

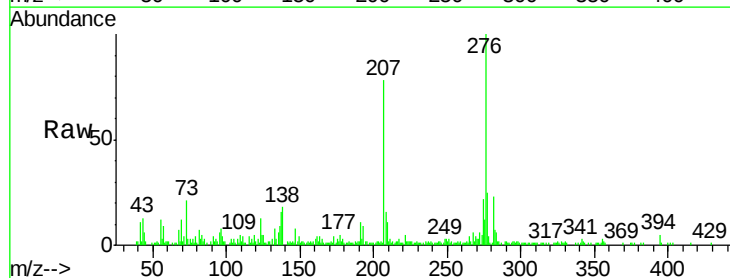
Tgt Ion:276 Resp: 146255

Ion Ratio Lower Upper

276 100

138 18.0 16.6 25.0

277 25.4 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

