

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062916\
 Data File : BM006140.D
 Acq On : 30 Jun 2016 00:03
 Operator : UM/SJ
 Sample : H3780-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YG0

Quant Time: Jun 30 03:31:34 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	201078	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1003712	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	610743	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1434524	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1606731	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1421517	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.16	96	5659	1.31	ng/uL	0.00
3) Phenol-d5	6.82	99	343487	20.91	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	220917	22.81	ng/ul	0.00
5) 2-Chlorophenol-d4	7.18	132	264106	20.95	ng/ul	0.00
6) 4-Methylphenol-d8	8.35	113	288922	21.85	ng/ul	-0.01
8) Nitrobenzene-d5	8.80	128	146951	21.74	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	160031	20.68	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.05	165	297043	21.04	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	252386	22.62	ng/ul	0.00
16) Dimethylphthalate-d6	13.71	166	976341	22.30	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1251803	23.56	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	95884	11.54	ng/ul	0.00
21) Fluorene-d10	15.30	176	882751	23.63	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	119432	23.51	ng/ul	0.00
26) Anthracene-d10	17.14	188	1357836	23.60	ng/ul	0.00
30) Pyrene-d10	19.45	212	1591971	24.61	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1356108	23.97	ng/ul	0.00

Target Compounds

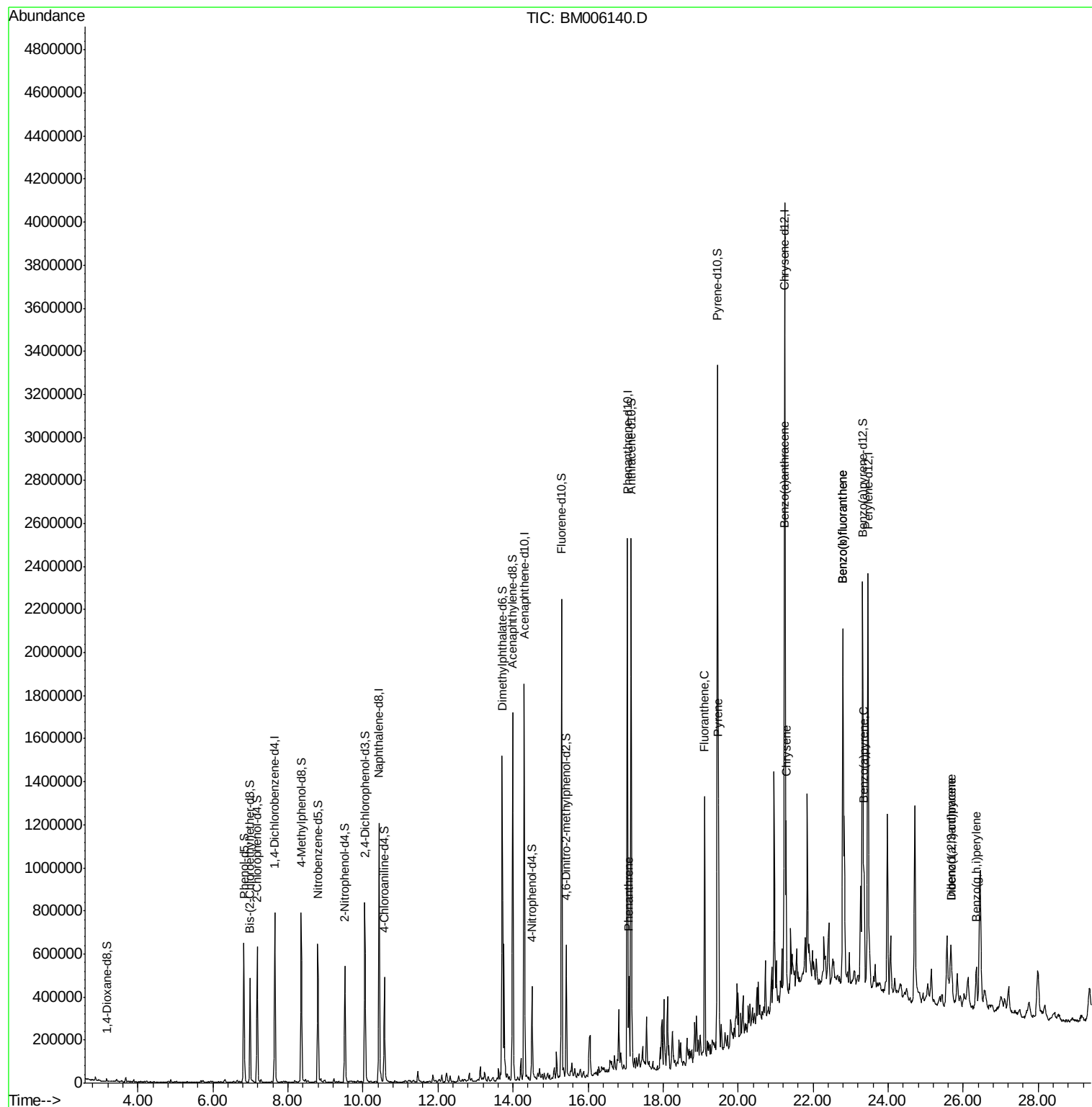
						Qvalue
25) Phenanthrene	17.09	178	240692	3.55	ng/ul	99
28) Fluoranthene	19.11	202	697126	8.38	ng/ul	99
31) Pyrene	19.48	202	667523	7.88	ng/ul	96
32) Benzo(a)anthracene	21.23	228	413827	4.95	ng/ul	97
33) Chrysene	21.28	228	488031	6.34	ng/ul	98
35) Benzo(b)fluoranthene	22.80	252	691853	9.38	ng/ul	98
36) Benzo(k)fluoranthene	22.80	252	691853	10.00	ng/ul	99
38) Benzo(a)pyrene	23.36	252	396816	5.69	ng/ul	100
39) Indeno(1,2,3-cd)pyrene	25.67	276	264414	3.65	ng/ul#	93
40) Dibenzo(a,h)anthracene	25.68	278	76093	1.27	ng/ul	94
41) Benzo(g,h,i)perylene	26.35	276	252695	4.17	ng/ul	99

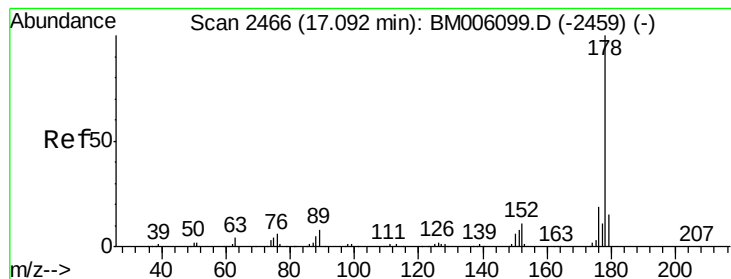
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 3.55 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM006140.D

Acq: 30 Jun 2016 00:03

Instrument :

BNA_M

ClientSampleId :

D9YG0

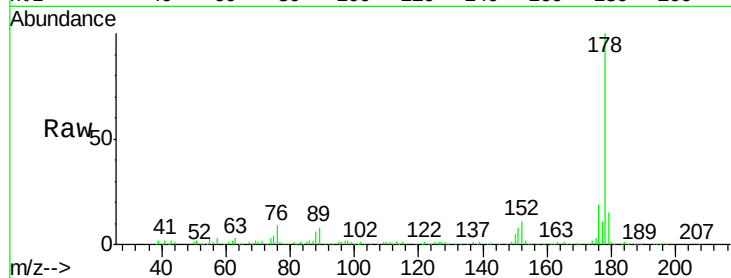
Tgt Ion:178 Resp: 240692

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

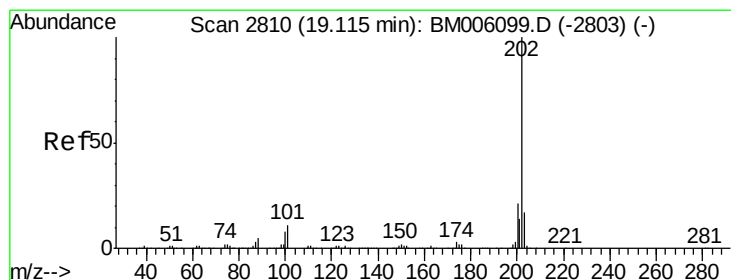
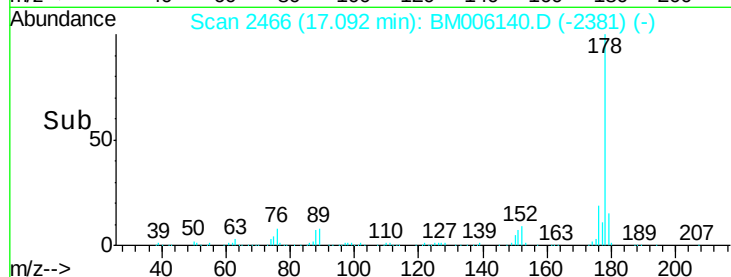
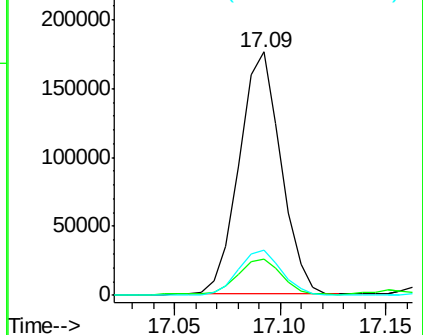
176 18.8 15.3 22.9



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: 8.38 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BM006140.D

Acq: 30 Jun 2016 00:03

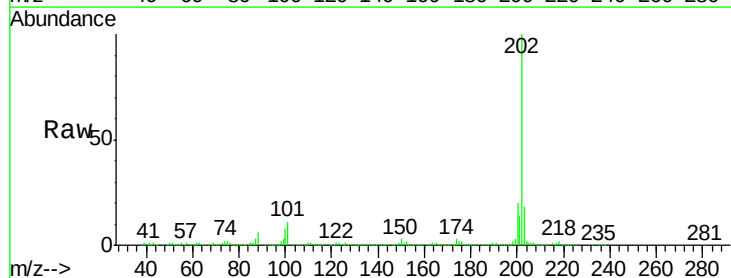
Tgt Ion:202 Resp: 697126

Ion Ratio Lower Upper

202 100

101 11.1 8.5 12.7

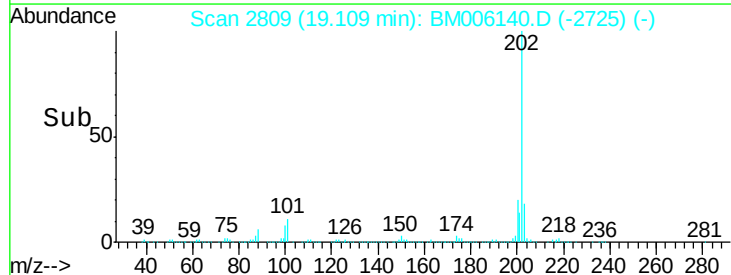
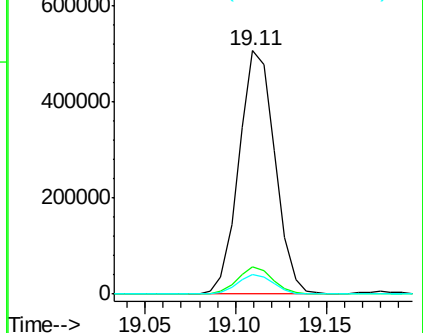
100 8.2 6.5 9.7

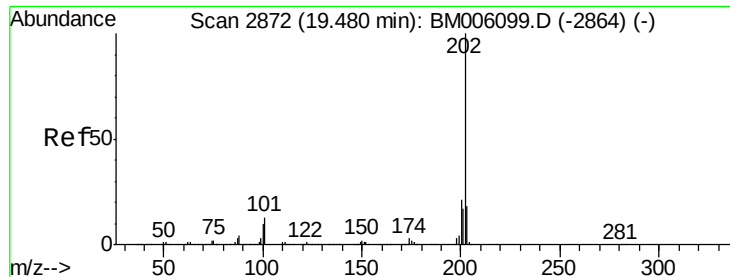


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

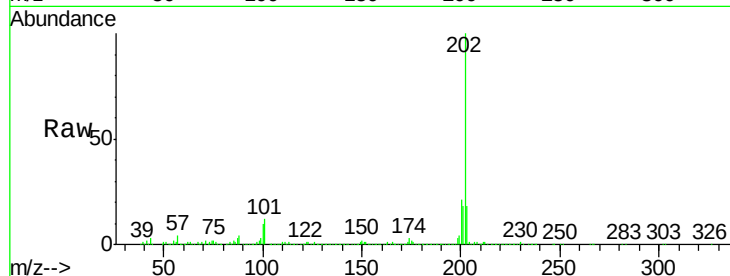




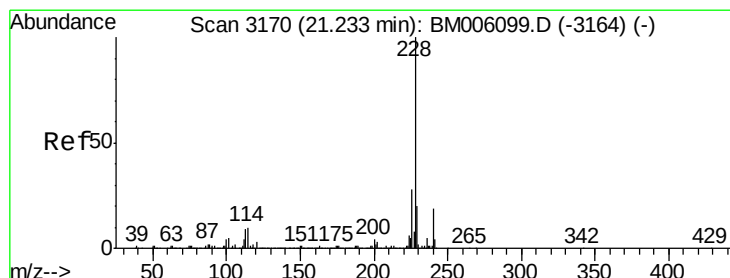
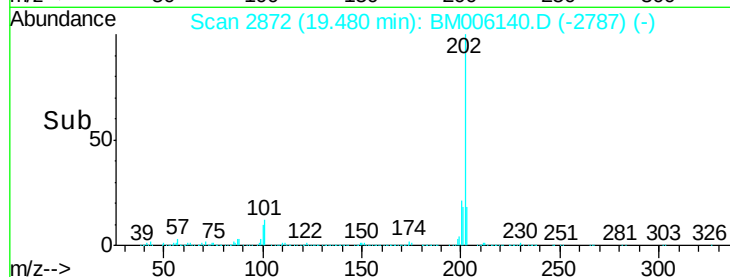
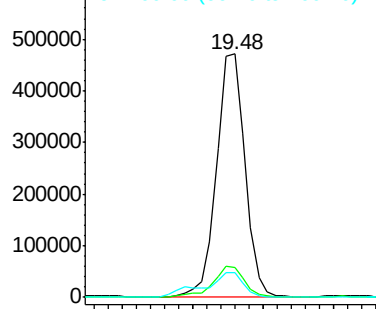
#31
 Pyrene
 Concen: 7.88 ng/ul
 RT: 19.48 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: BM006140.D
 Acq: 30 Jun 2016 00:03

Instrument :
 BNA_M
 ClientSampleId :
 D9YG0

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	11.0	16.4
100	10.0	8.9	13.3

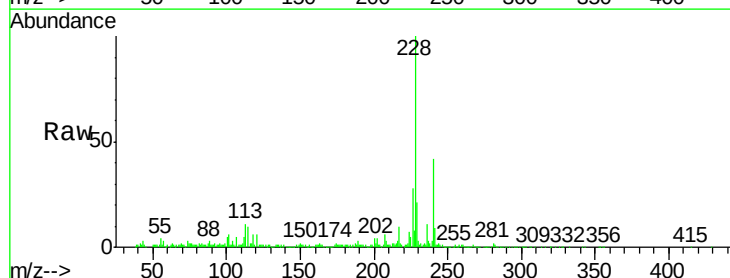


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

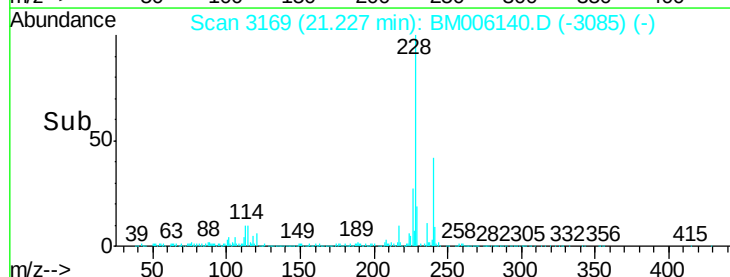
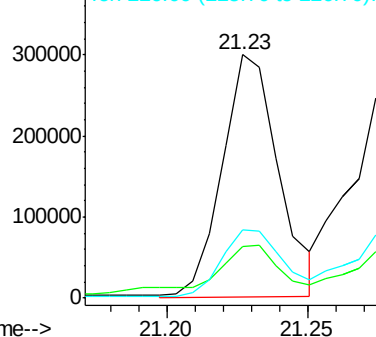


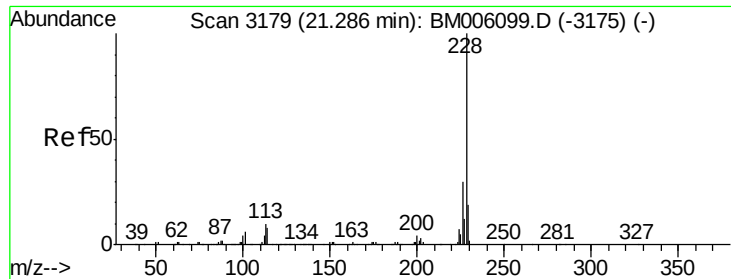
#32
 Benzo(a)anthracene
 Concen: 4.95 ng/ul
 RT: 21.23 min Scan# 3169
 Delta R.T. -0.01 min
 Lab File: BM006140.D
 Acq: 30 Jun 2016 00:03

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.6	23.4
226	28.3	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: 6.34 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006140.D

Acq: 30 Jun 2016 00:03

Instrument :

BNA_M

ClientSampleId :

D9YG0

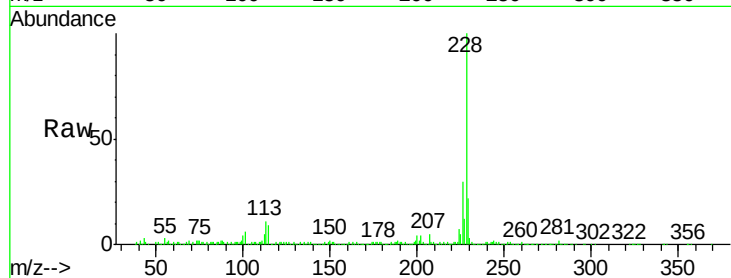
Tgt Ion:228 Resp: 488031

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.6

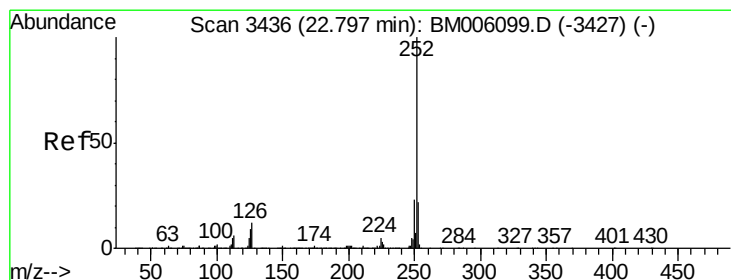
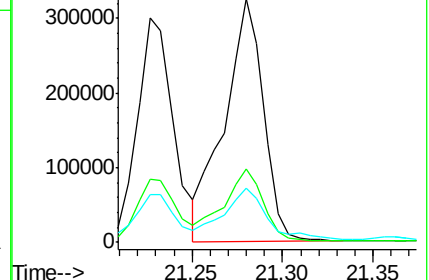
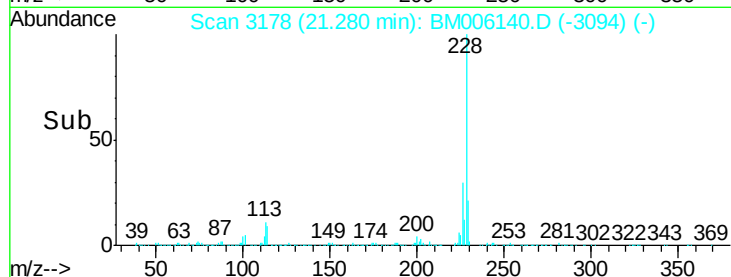
229 22.0 15.8 23.6



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: 9.38 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. 0.00 min

Lab File: BM006140.D

Acq: 30 Jun 2016 00:03

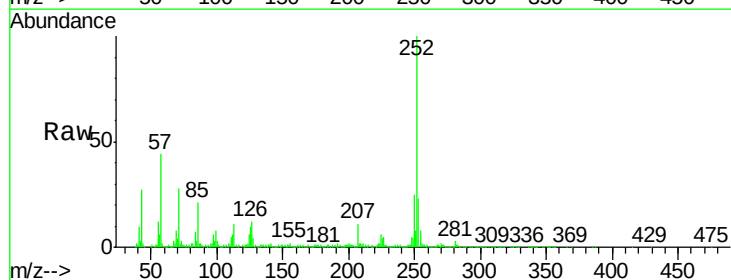
Tgt Ion:252 Resp: 691853

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

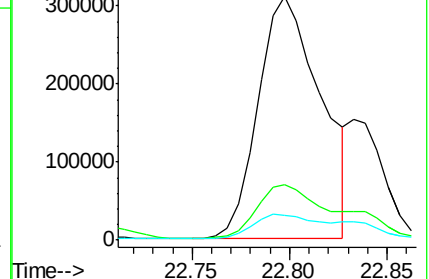
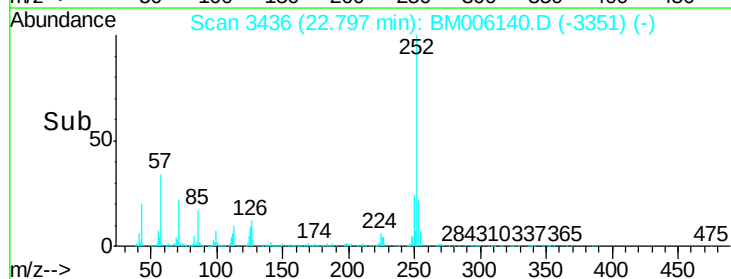
125 10.1 7.8 11.6

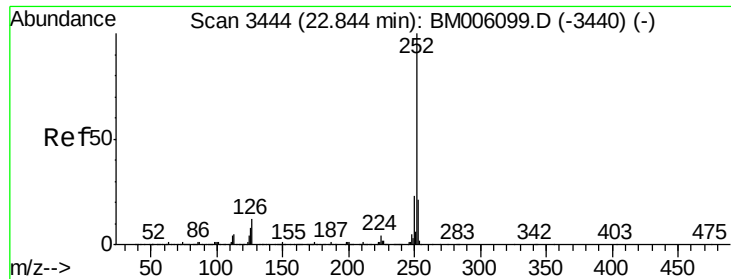


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 10.00 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.05 min

Lab File: BM006140.D

Acq: 30 Jun 2016 00:03

Instrument :

BNA_M

ClientSampleId :

D9YG0

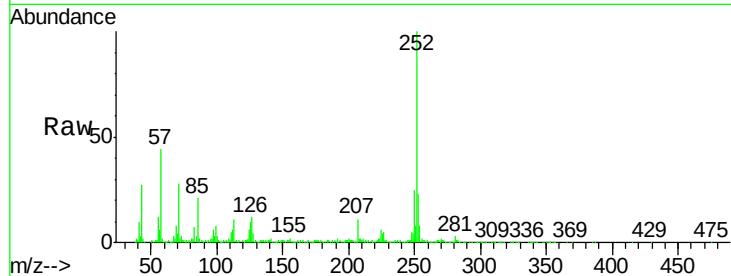
Tgt Ion:252 Resp: 691853

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 10.1 8.1 12.1

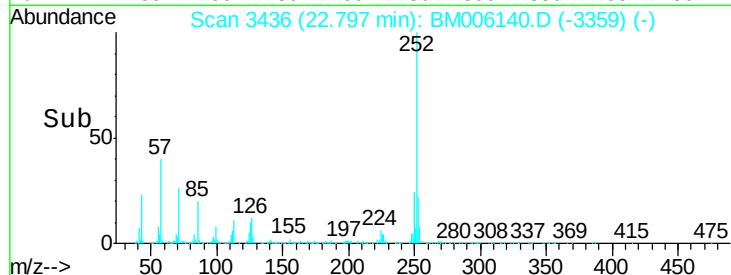


Abundance Ion 252.00 (251.70 to 252.70): E

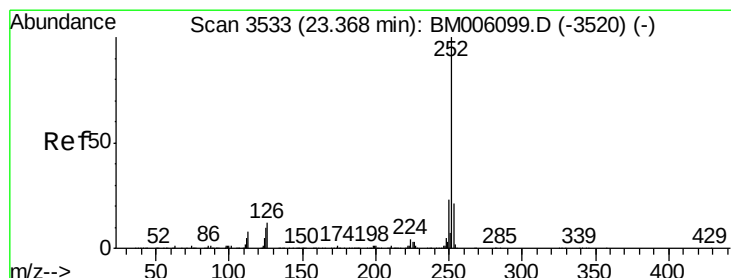
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#38

Benzo(a)pyrene

Concen: 5.69 ng/ul

RT: 23.36 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BM006140.D

Acq: 30 Jun 2016 00:03

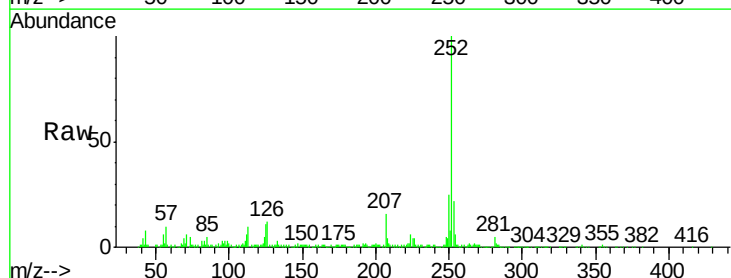
Tgt Ion:252 Resp: 396816

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 11.0 8.7 13.1

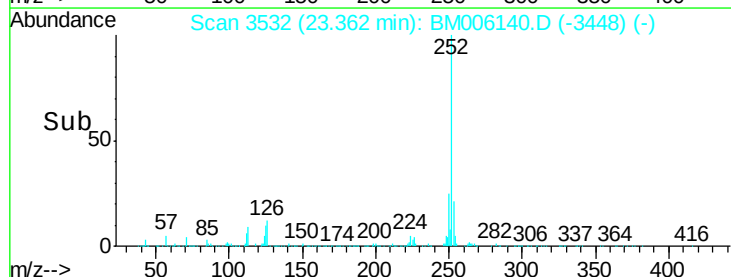


Abundance Ion 252.00 (251.70 to 252.70): E

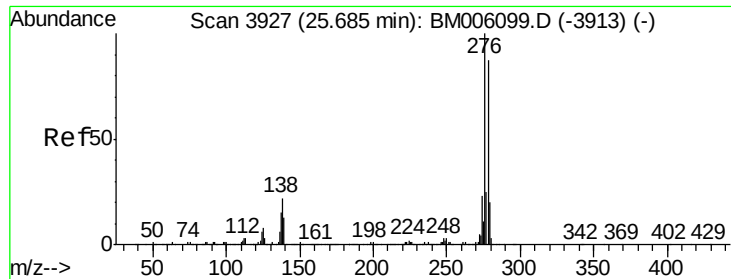
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#39

Indeno(1,2,3-cd)pyrene

Concen: 3.65 ng/ul

RT: 25.67 min Scan# 3924

Delta R.T. -0.02 min

Lab File: BM006140.D

Acq: 30 Jun 2016 00:03

Instrument :

BNA_M

ClientSampleId :

D9YG0

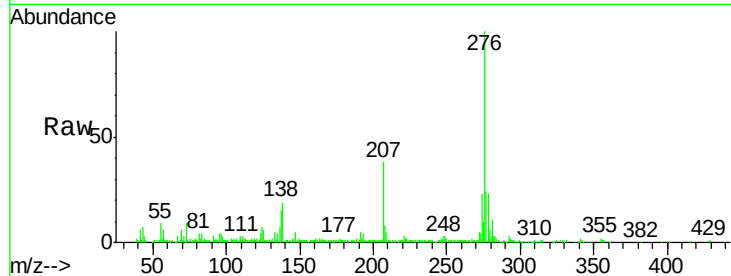
Tgt Ion:276 Resp: 264414

Ion Ratio Lower Upper

276 100

138 19.2 20.4 30.6#

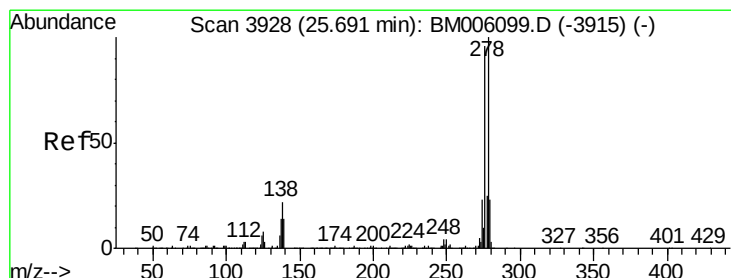
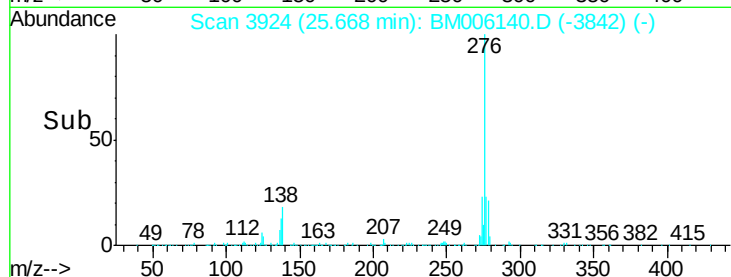
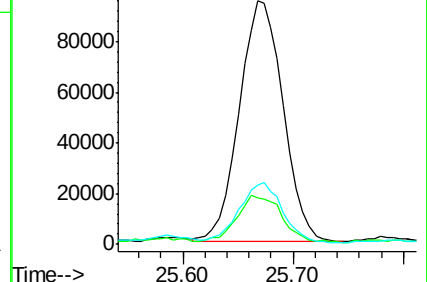
277 24.4 20.6 30.8



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



#40

Dibenzo(a,h)anthracene

Concen: 1.27 ng/ul

RT: 25.68 min Scan# 3926

Delta R.T. -0.01 min

Lab File: BM006140.D

Acq: 30 Jun 2016 00:03

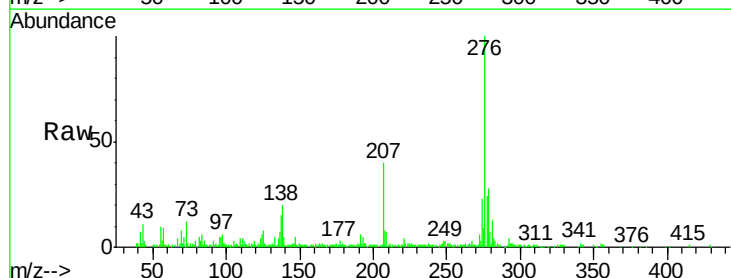
Tgt Ion:278 Resp: 76093

Ion Ratio Lower Upper

278 100

139 19.1 13.0 19.4

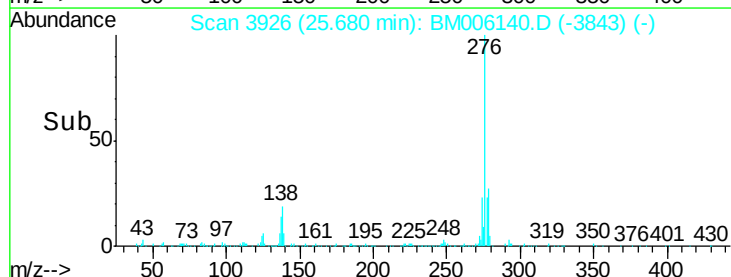
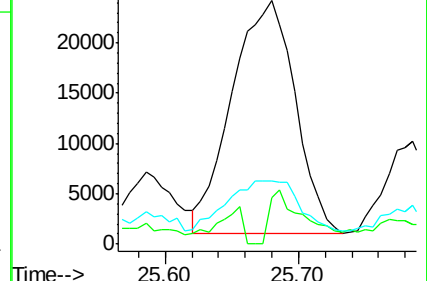
279 26.1 18.8 28.2

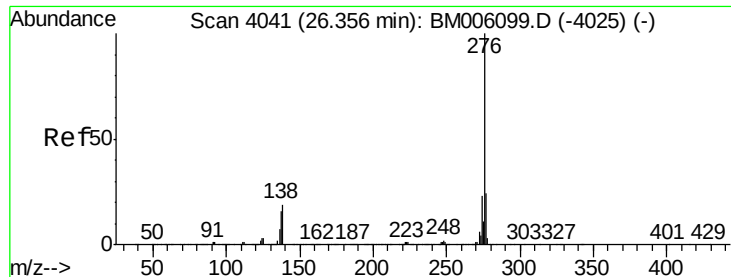


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(g,h,i)perylene

Concen: 4.17 ng/ul

RT: 26.35 min Scan# 4040

Delta R.T. -0.01 min

Lab File: BM006140.D

Acq: 30 Jun 2016 00:03

Instrument :

BNA_M

ClientSampleId :

D9YG0

Tgt Ion: 276 Resp: 252695

Ion Ratio Lower Upper

276 100

138 21.2 16.6 25.0

277 24.4 18.9 28.3

