

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060716\
 Data File : BM005697.D
 Acq On : 07 Jun 2016 17:59
 Operator : UM/SJ
 Sample : H3411-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XQ6

Quant Time: Jun 08 01:25:41 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 08 01:24:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	138329	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	687567	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	397427	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	867001	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	750299	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	602657	20.00	ng/ul	-0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.20	96	3335	1.01	ng/uL	0.00
3) Phenol-d5	6.93	99	150815	12.40	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	97833	13.22	ng/ul	0.00
5) 2-Chlorophenol-d4	7.29	132	127920	12.75	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	83382	8.67	ng/ul	0.00
8) Nitrobenzene-d5	8.91	128	68224	12.92	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	75078	13.29	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	126249	12.57	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	122024	10.23	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	413955	13.55	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	536113	13.49	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	34904	7.98	ng/ul	0.00
21) Fluorene-d10	15.39	176	373368	14.23	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	29273	7.17	ng/ul	0.00
26) Anthracene-d10	17.24	188	542464	13.17	ng/ul	0.00
30) Pyrene-d10	19.53	212	568072	15.06	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	358427	12.92	ng/ul	-0.01

Target Compounds

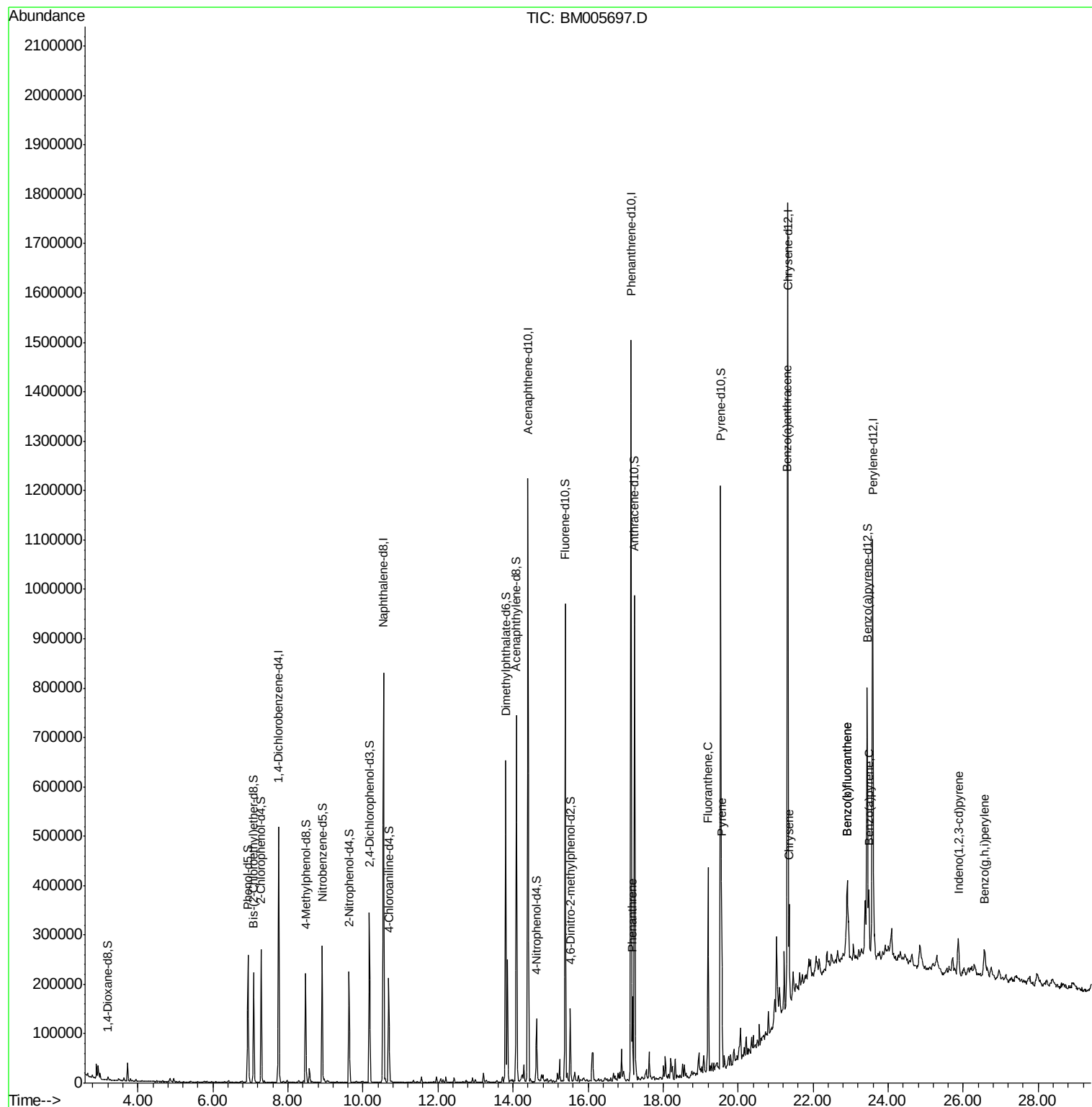
						Qvalue
25) Phenanthrene	17.19	178	101054	2.11	ng/ul	98
28) Fluoranthene	19.20	202	233615	4.78	ng/ul	99
31) Pyrene	19.56	202	215013	4.54	ng/ul	97
32) Benzo(a)anthracene	21.31	228	107984	2.45	ng/ul	97
33) Chrysene	21.36	228	105788	2.54	ng/ul	96
35) Benzo(b)fluoranthene	22.91	252	140869	3.88	ng/ul#	98
36) Benzo(k)fluoranthene	22.91	252	140869	4.13	ng/ul#	97
38) Benzo(a)pyrene	23.49	252	88446	2.53	ng/ul#	93
39) Indeno(1,2,3-cd)pyrene	25.87	276	68210	1.65	ng/ul	94
41) Benzo(g,h,i)perylene	26.57	276	71795	2.07	ng/ul#	92

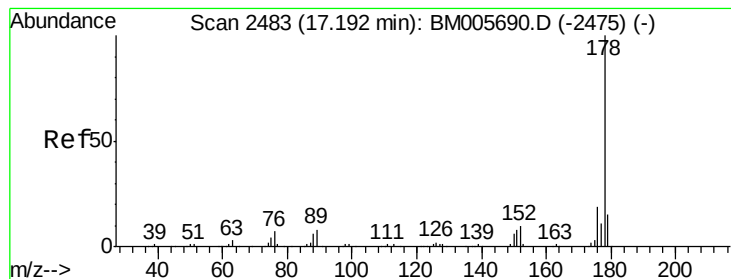
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 2.11 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. -0.01 min

Lab File: BM005697.D

Acq: 07 Jun 2016 17:59

Instrument :

BNA_M

ClientSampleId :

D9XQ6

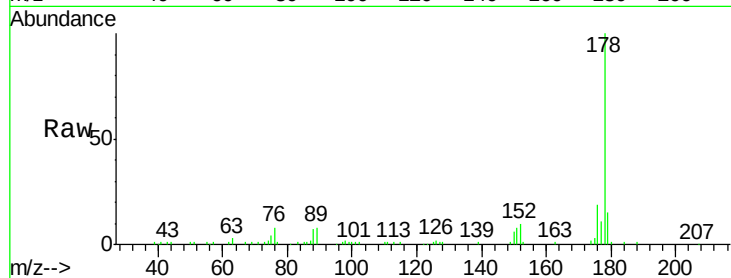
Tgt Ion:178 Resp: 101054

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

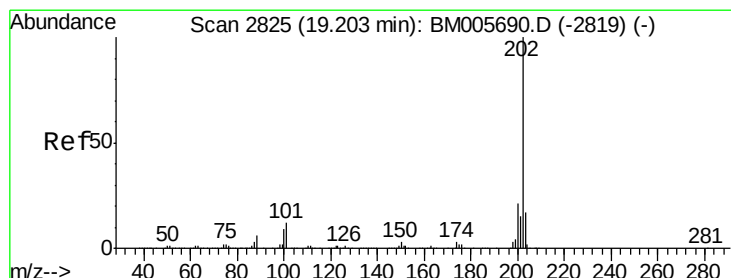
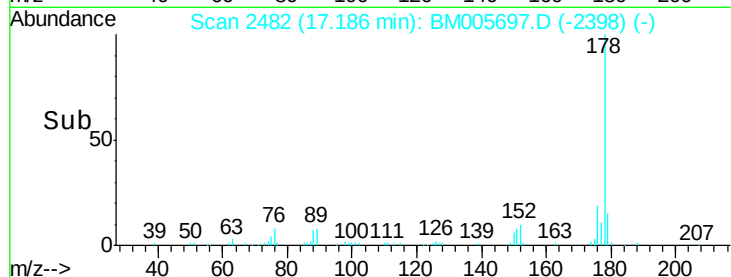
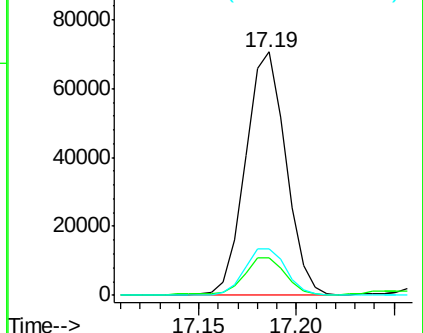
176 19.3 14.8 22.2



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: 4.78 ng/ul

RT: 19.20 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM005697.D

Acq: 07 Jun 2016 17:59

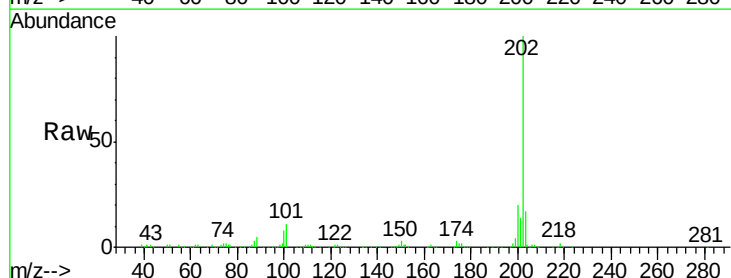
Tgt Ion:202 Resp: 233615

Ion Ratio Lower Upper

202 100

101 10.8 8.9 13.3

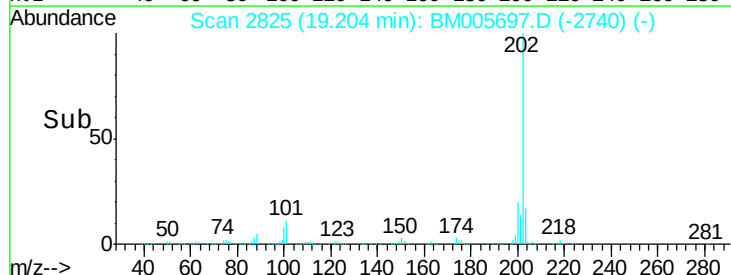
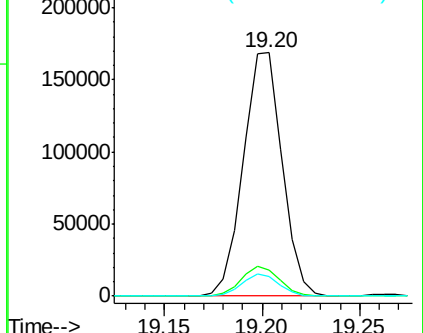
100 8.1 7.0 10.4

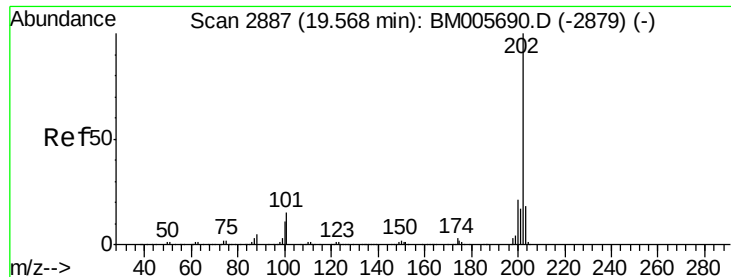


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 4.54 ng/ul

RT: 19.56 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BM005697.D

Acq: 07 Jun 2016 17:59

Instrument :

BNA_M

ClientSampleId :

D9XQ6

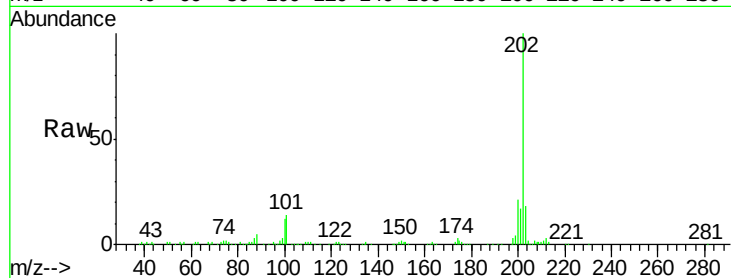
Tgt Ion:202 Resp: 215013

Ion Ratio Lower Upper

202 100

101 14.2 9.8 14.8

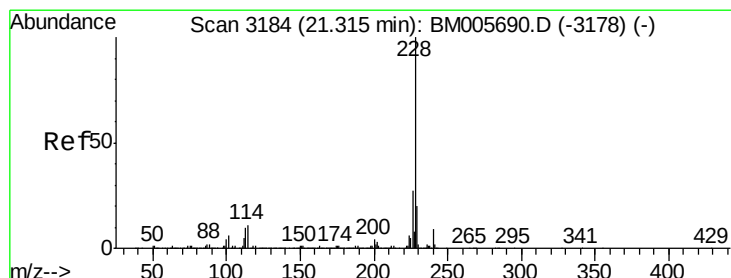
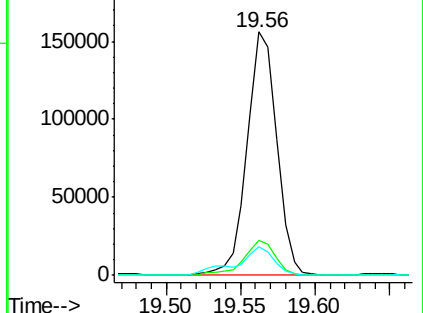
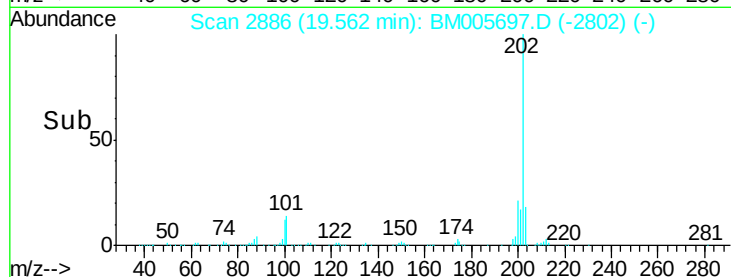
100 11.5 9.3 13.9



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: 2.45 ng/ul

RT: 21.31 min Scan# 3183

Delta R.T. -0.01 min

Lab File: BM005697.D

Acq: 07 Jun 2016 17:59

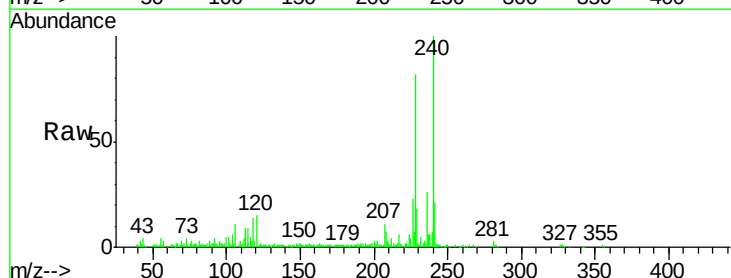
Tgt Ion:228 Resp: 107984

Ion Ratio Lower Upper

228 100

229 21.4 16.6 25.0

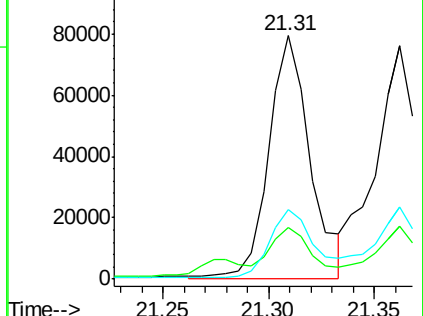
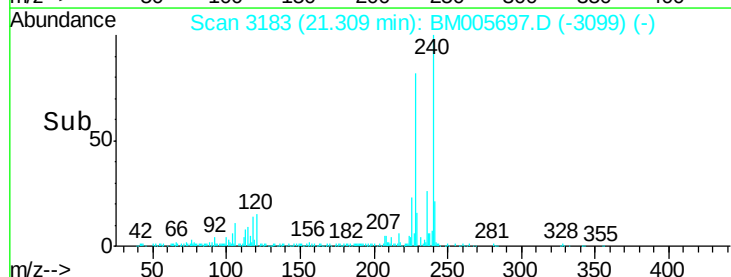
226 28.6 21.0 31.4

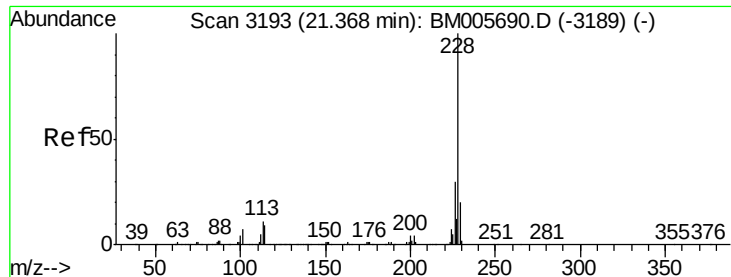


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 2.54 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. -0.01 min

Lab File: BM005697.D

Acq: 07 Jun 2016 17:59

Instrument :

BNA_M

ClientSampleId :

D9XQ6

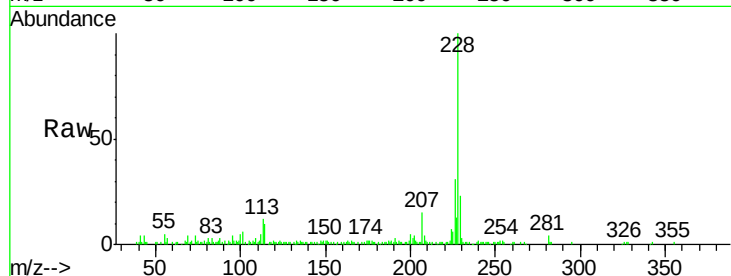
Tgt Ion:228 Resp: 105788

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

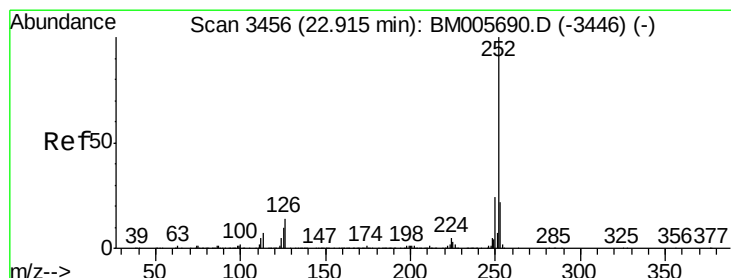
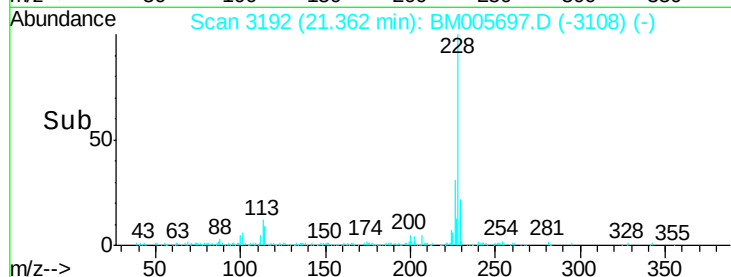
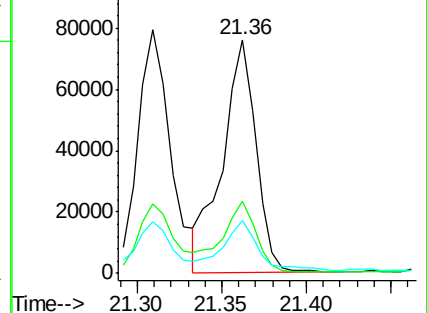
229 22.7 16.2 24.2



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: 3.88 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM005697.D

Acq: 07 Jun 2016 17:59

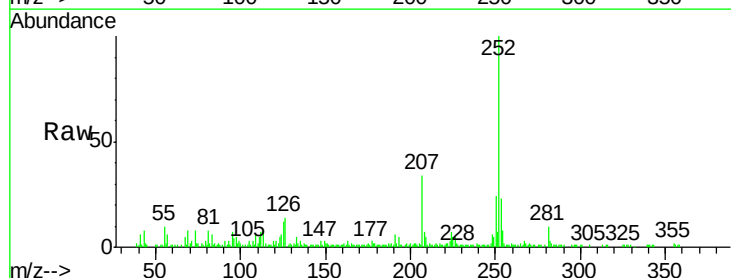
Tgt Ion:252 Resp: 140869

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

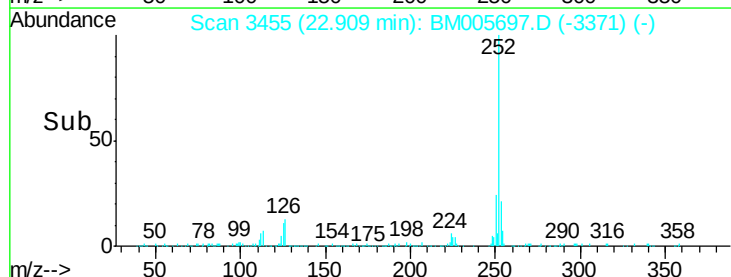
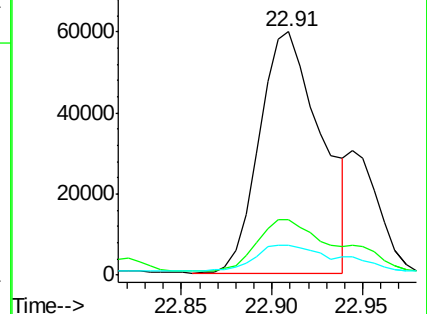
125 12.2 7.6 11.4#

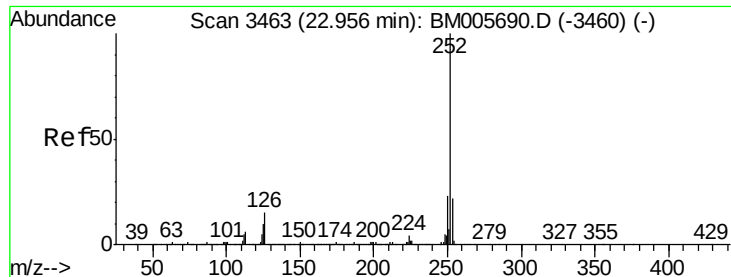


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 4.13 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. -0.05 min

Lab File: BM005697.D

Acq: 07 Jun 2016 17:59

Instrument :

BNA_M

ClientSampleId :

D9XQ6

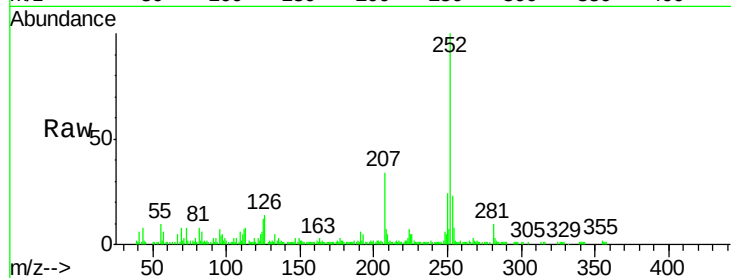
Tgt Ion:252 Resp: 140869

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

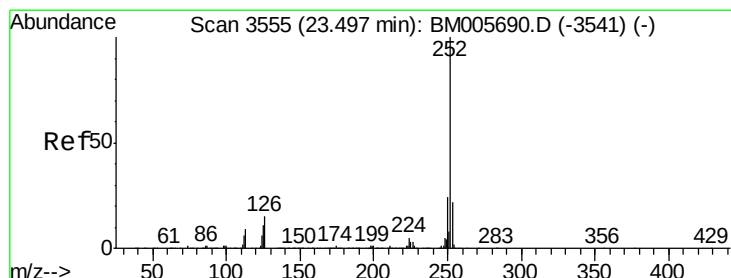
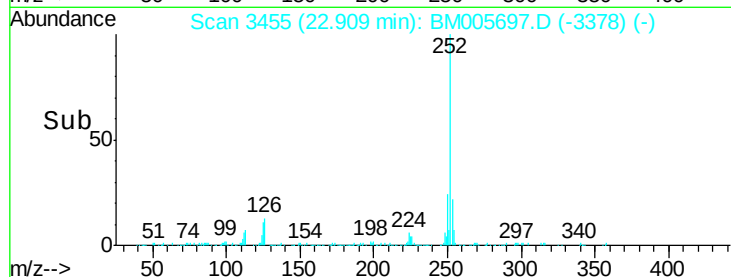
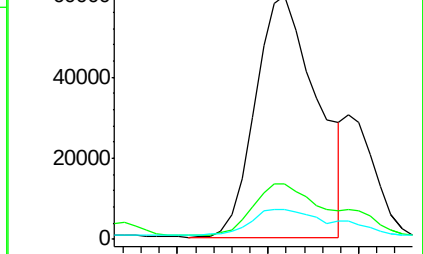
125 12.2 7.7 11.5#



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: 2.53 ng/ul

RT: 23.49 min Scan# 3553

Delta R.T. -0.01 min

Lab File: BM005697.D

Acq: 07 Jun 2016 17:59

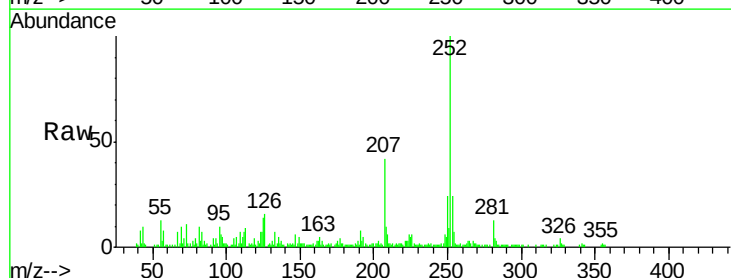
Tgt Ion:252 Resp: 88446

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

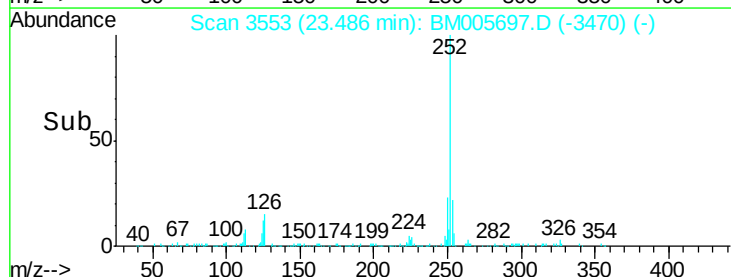
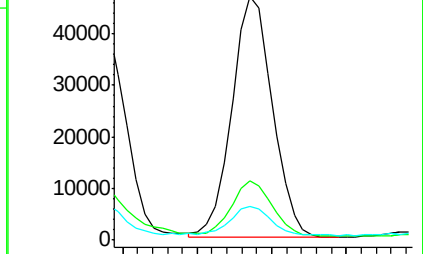
125 14.0 8.2 12.2#

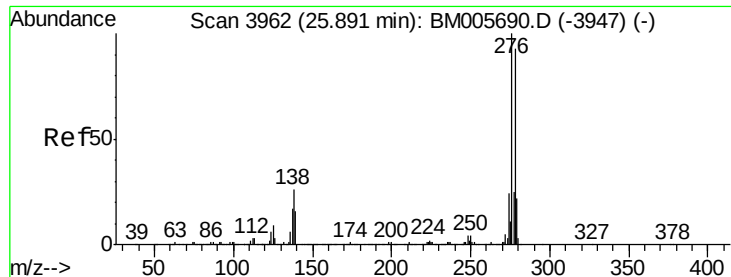


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 1.65 ng/ul

RT: 25.87 min Scan# 3959

Delta R.T. -0.02 min

Lab File: BM005697.D

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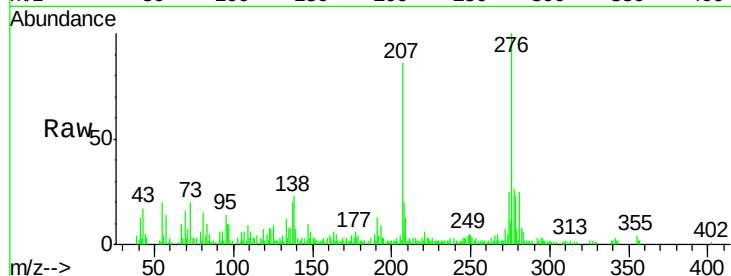
Tgt Ion:276 Resp: 68210

Ion Ratio Lower Upper

276 100

138 23.5 15.8 23.6

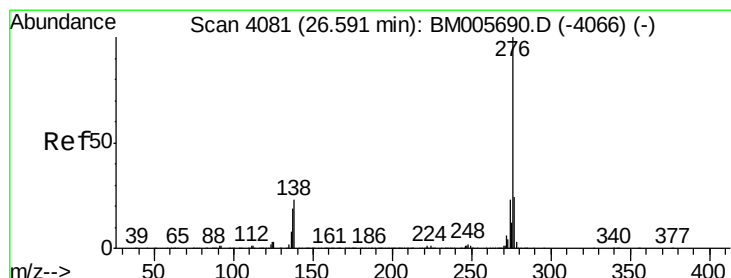
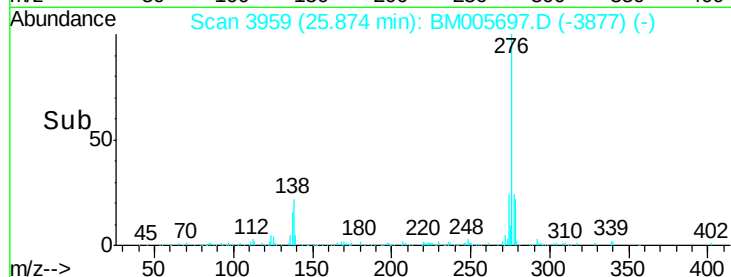
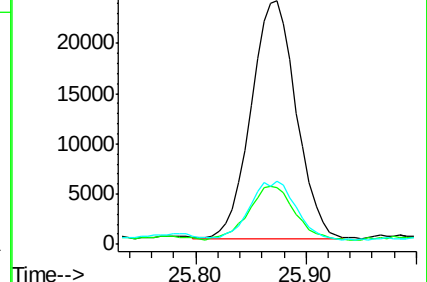
277 26.1 19.0 28.6



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: 2.07 ng/ul

RT: 26.57 min Scan# 4077

Delta R.T. -0.02 min

Lab File: BM005697.D

Acq: 07 Jun 2016 17:59

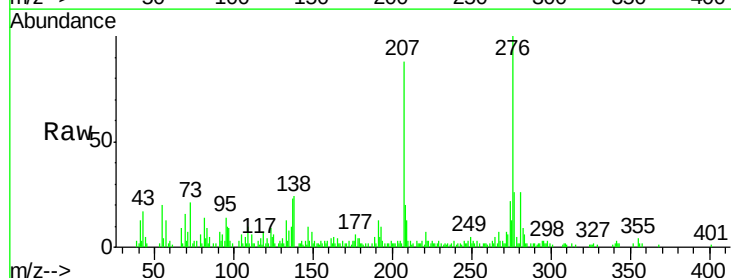
Tgt Ion:276 Resp: 71795

Ion Ratio Lower Upper

276 100

138 24.3 13.9 20.9#

277 26.2 19.8 29.6



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

