

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061216\
 Data File : BM005758.D
 Acq On : 12 Jun 2016 20:51
 Operator : UM/SJ
 Sample : H3536-05MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y15MSD

Quant Time: Jun 13 03:31:54 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 13 03:29:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	111804	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	574035	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	332063	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	697769	20.00	ng/ul	0.00
29) Chrysene-d12	21.31	240	495141	20.00	ng/ul	-0.01
34) Perylene-d12	23.57	264	490819	20.00	ng/ul	-0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	3504	1.36	ng/uL	0.00
3) Phenol-d5	6.93	99	151019	15.65	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	98726	17.03	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	133847	17.16	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	105428	12.93	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	68029	16.44	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	80280	17.16	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	144897	17.08	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	454448	44.39	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	477004	17.42	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	618088	18.45	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	44802	11.18	ng/ul	-0.01
21) Fluorene-d10	15.39	176	421947	18.19	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	24620	6.82	ng/ul	-0.01
26) Anthracene-d10	17.23	188	594386	18.08	ng/ul	0.00
30) Pyrene-d10	19.53	212	539799	22.69	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	421427	18.83	ng/ul	-0.01

Target Compounds

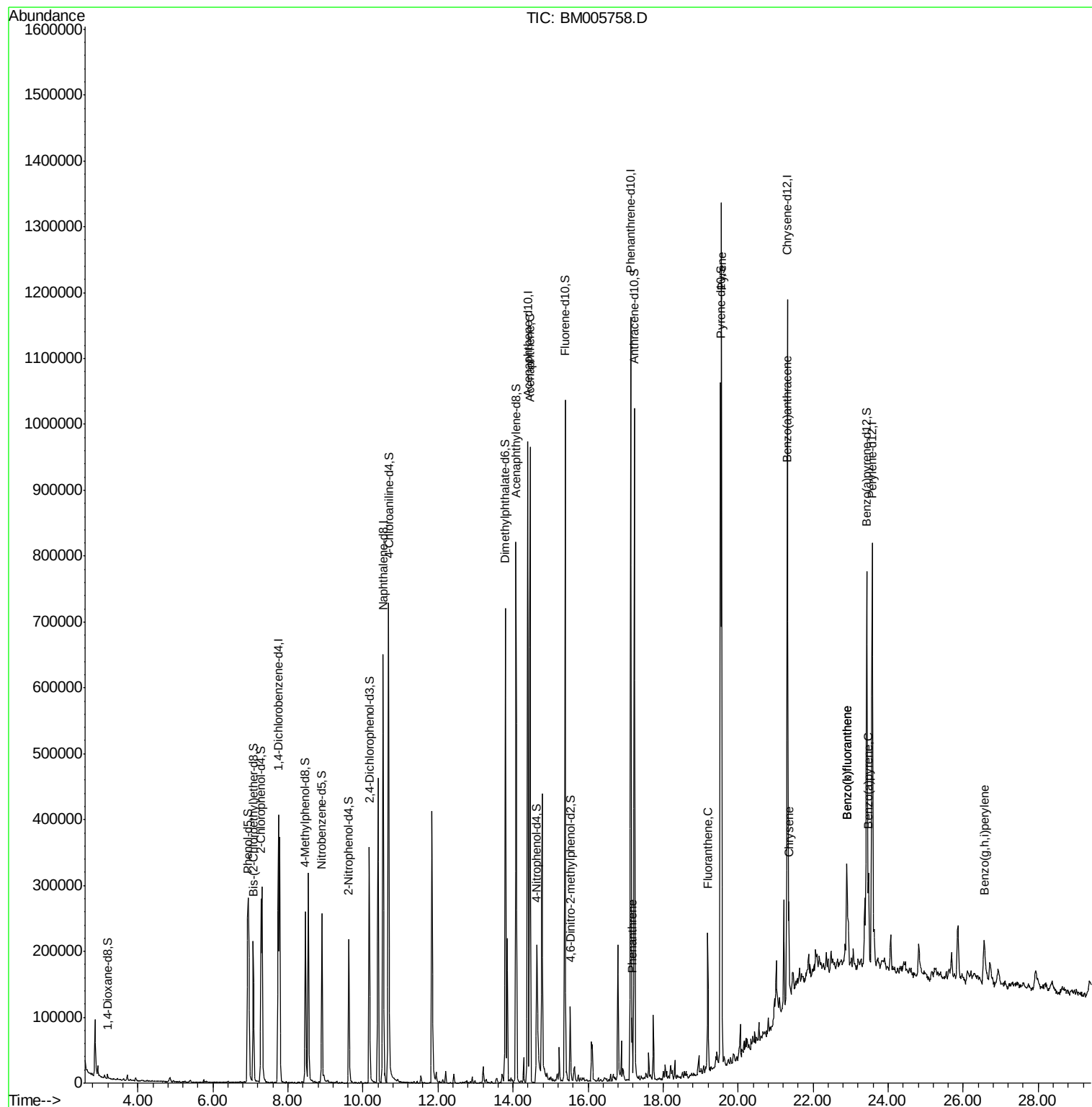
						Qvalue
19) Acenaphthene	14.46	153	406075	18.19	ng/ul	97
25) Phenanthrene	17.18	178	56337	1.48	ng/ul	97
28) Fluoranthene	19.19	202	130777	2.92	ng/ul	100
31) Pyrene	19.56	202	776258	25.76	ng/ul	99
32) Benzo(a)anthracene	21.30	228	72285	2.53	ng/ul	99
33) Chrysene	21.35	228	80580	2.86	ng/ul	98
35) Benzo(b)fluoranthene	22.90	252	139710	4.79	ng/ul	99
36) Benzo(k)fluoranthene	22.90	252	139710	4.74	ng/ul	99
38) Benzo(a)pyrene	23.47	252	97124	3.51	ng/ul	96
41) Benzo(g,h,i)perylene	26.56	276	81906	3.62	ng/ul	99

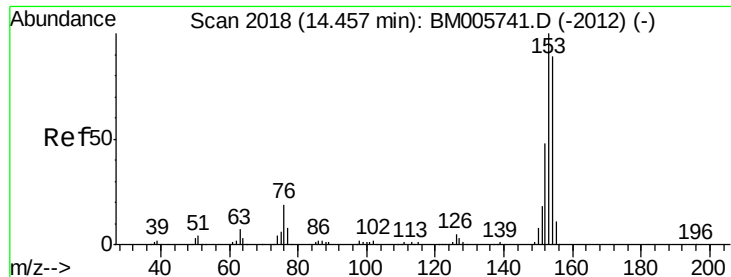
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#19

Acenaphthene

Concen: 18.19 ng/ul

RT: 14.46 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BM005758.D

Acq: 12 Jun 2016 20:51

Instrument :

BNA_M

ClientSampleId :

D9Y15MSD

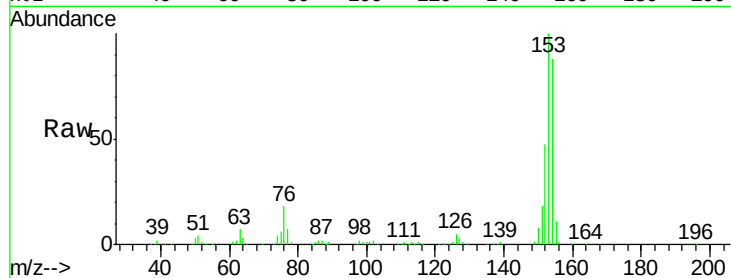
Tgt Ion:153 Resp: 406075

Ion Ratio Lower Upper

153 100

152 46.9 38.8 58.2

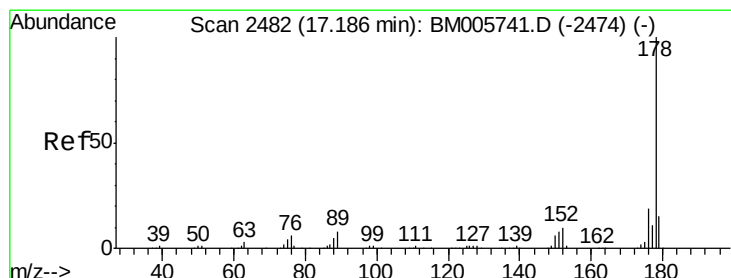
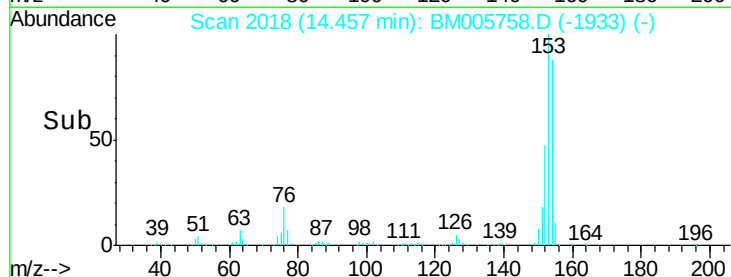
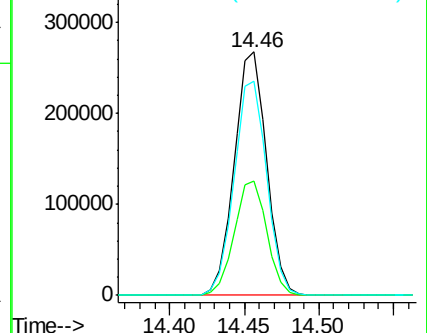
154 88.0 72.5 108.7



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: 1.48 ng/ul

RT: 17.18 min Scan# 2481

Delta R.T. -0.01 min

Lab File: BM005758.D

Acq: 12 Jun 2016 20:51

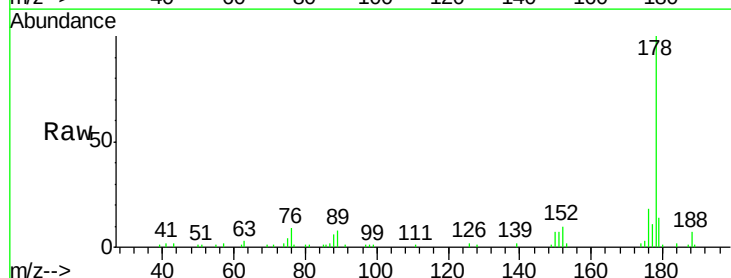
Tgt Ion:178 Resp: 56337

Ion Ratio Lower Upper

178 100

179 14.5 12.4 18.6

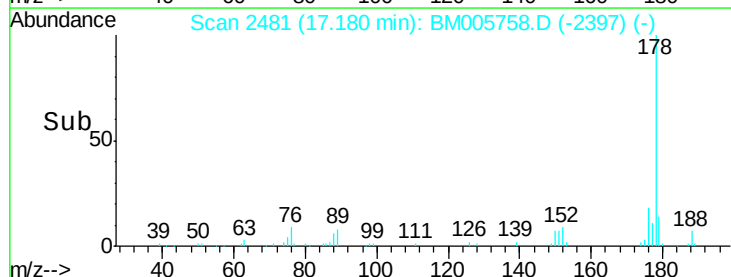
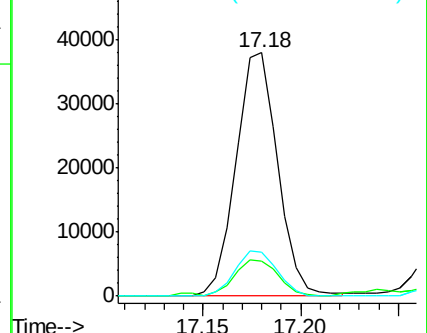
176 18.2 15.8 23.6

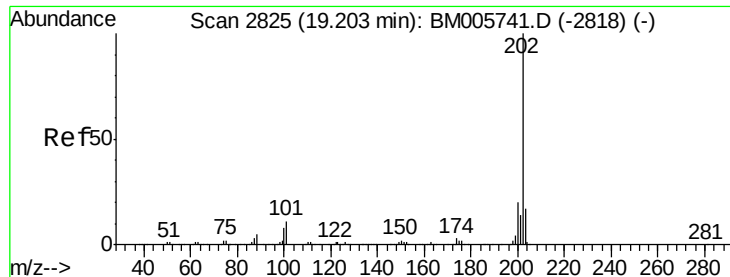


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

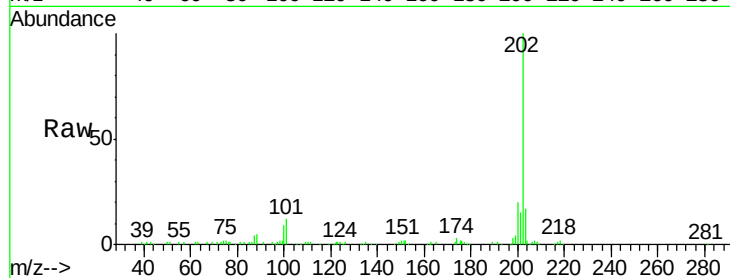




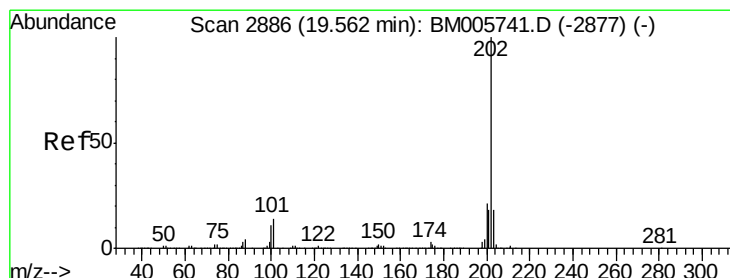
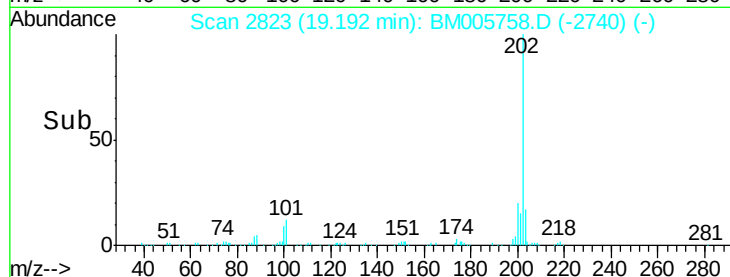
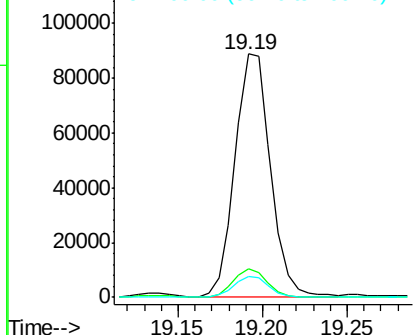
#28
Fluoranthene
Concen: 2.92 ng/ul
RT: 19.19 min Scan# 2823
Delta R.T. -0.01 min
Lab File: BM005758.D
Acq: 12 Jun 2016 20:51

Instrument :
BNA_M
ClientSampleId :
D9Y15MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.4	14.2
100	8.7	6.9	10.3

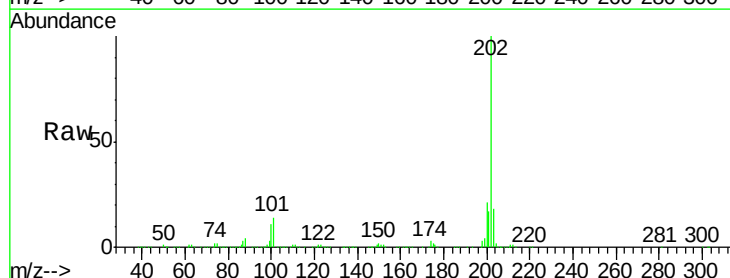


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

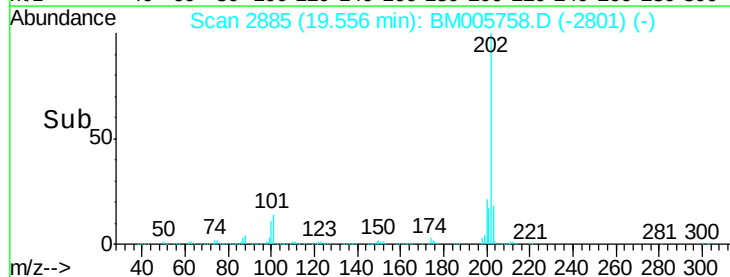
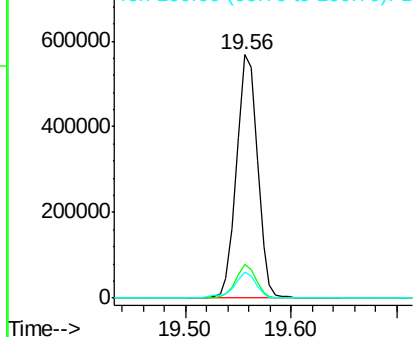


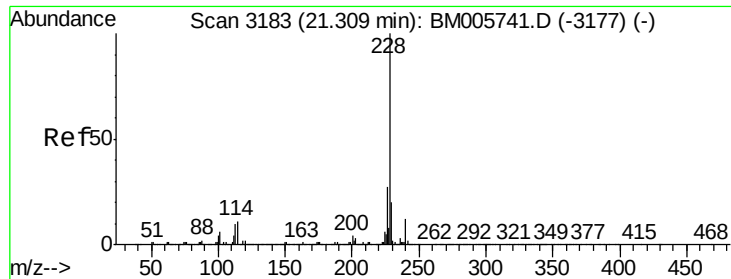
#31
Pyrene
Concen: 25.76 ng/ul
RT: 19.56 min Scan# 2885
Delta R.T. -0.01 min
Lab File: BM005758.D
Acq: 12 Jun 2016 20:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.6	15.8
100	10.6	8.4	12.6



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: 2.53 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. -0.01 min

Lab File: BM005758.D

Acq: 12 Jun 2016 20:51

Instrument :

BNA_M

ClientSampleId :

D9Y15MSD

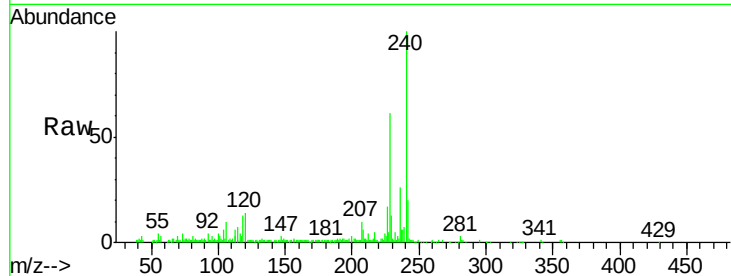
Tgt Ion:228 Resp: 72285

Ion Ratio Lower Upper

228 100

229 21.4 16.1 24.1

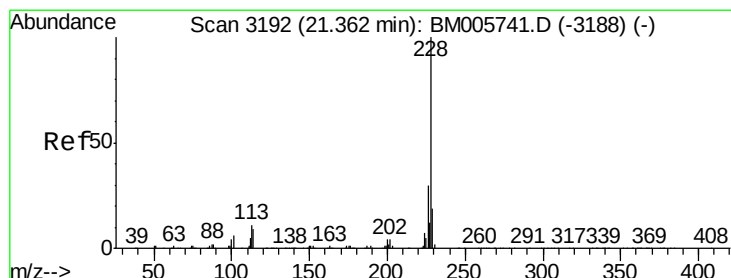
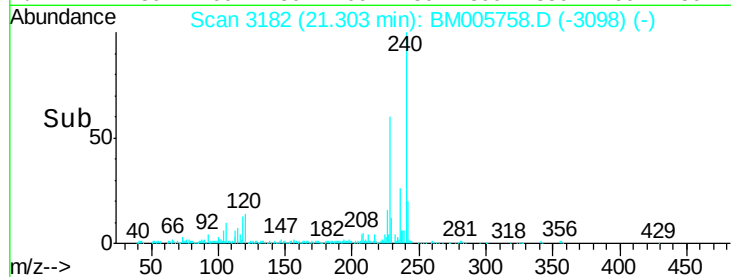
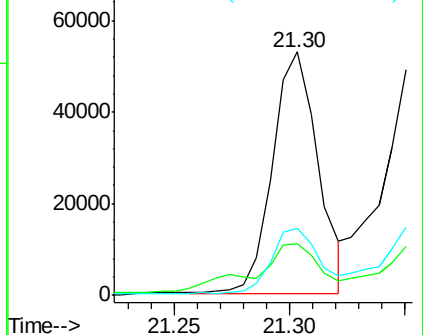
226 27.6 22.1 33.1



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: 2.86 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. -0.01 min

Lab File: BM005758.D

Acq: 12 Jun 2016 20:51

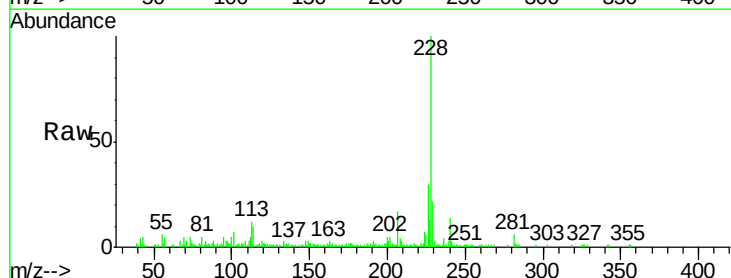
Tgt Ion:228 Resp: 80580

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.2

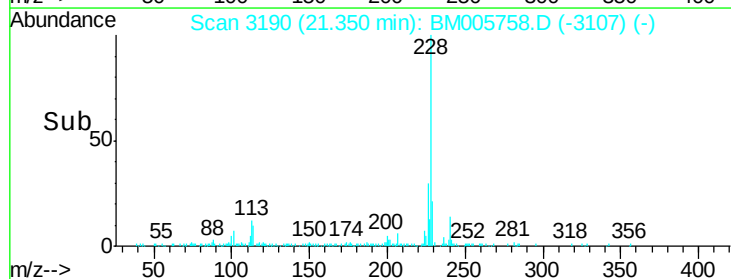
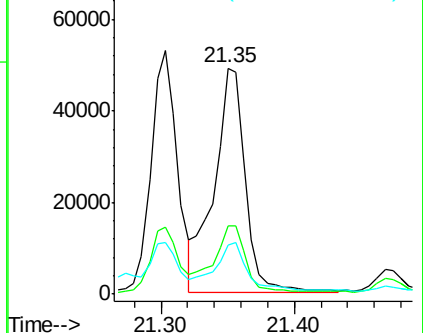
229 21.6 15.8 23.8

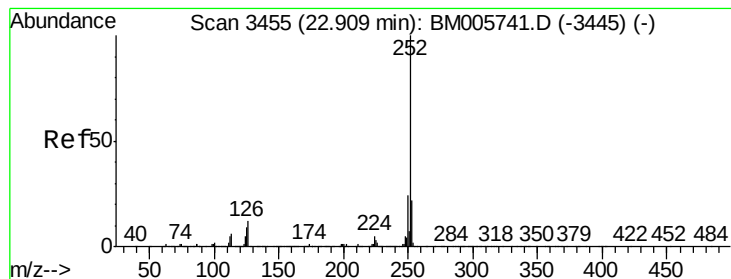


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 4.79 ng/ul

RT: 22.90 min Scan# 3453

Delta R.T. -0.01 min

Lab File: BM005758.D

Acq: 12 Jun 2016 20:51

Instrument :

BNA_M

ClientSampleId :

D9Y15MSD

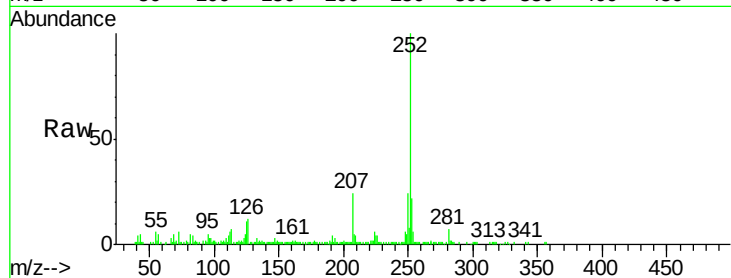
Tgt Ion:252 Resp: 139710

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

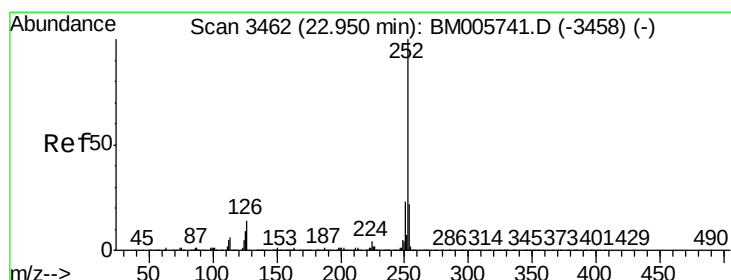
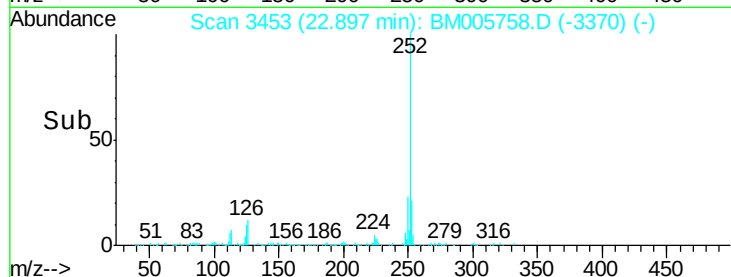
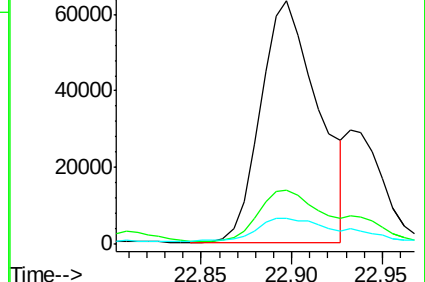
125 10.9 8.4 12.6



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: 4.74 ng/ul

RT: 22.90 min Scan# 3453

Delta R.T. -0.05 min

Lab File: BM005758.D

Acq: 12 Jun 2016 20:51

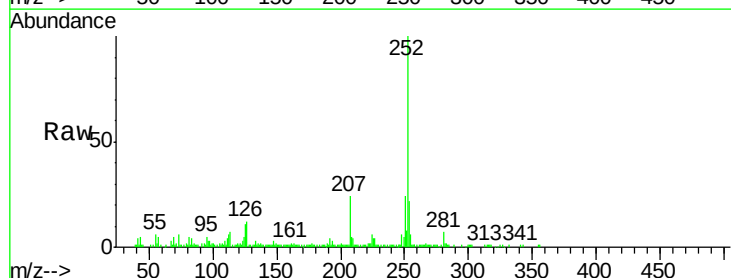
Tgt Ion:252 Resp: 139710

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

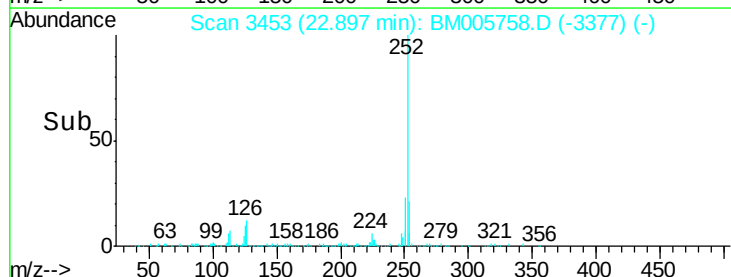
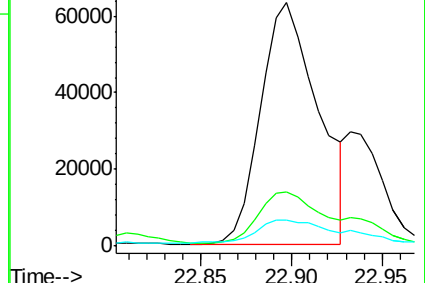
125 10.9 8.2 12.2

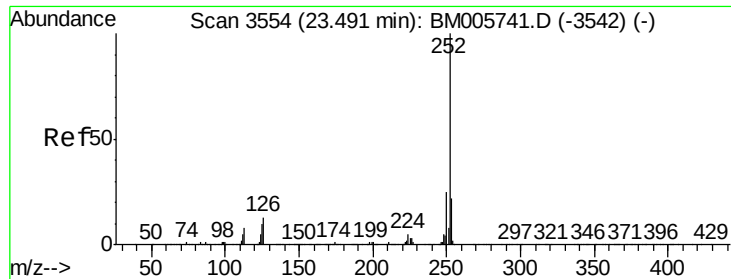


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 3.51 ng/ul

RT: 23.47 min Scan# 3551

Delta R.T. -0.02 min

Lab File: BM005758.D

Acq: 12 Jun 2016 20:51

Instrument :

BNA_M

ClientSampleId :

D9Y15MSD

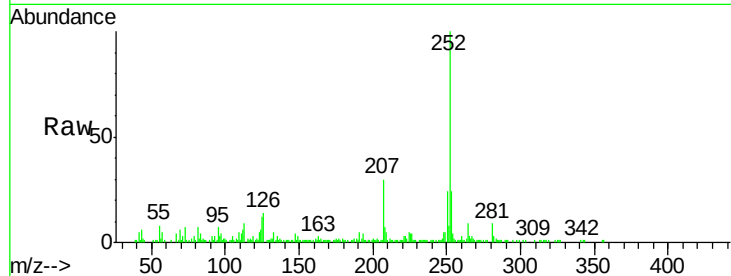
Tgt Ion:252 Resp: 97124

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

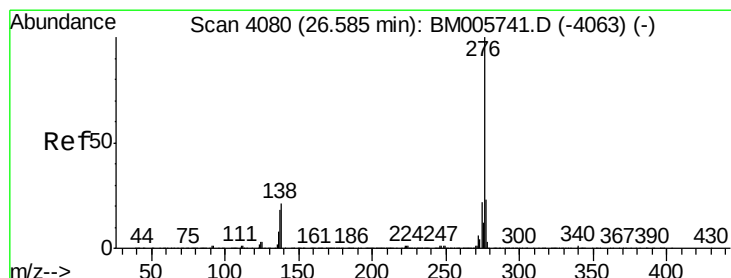
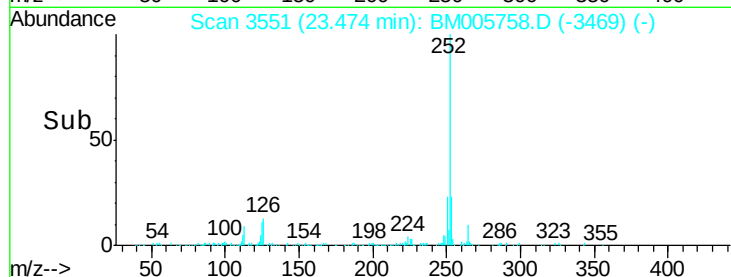
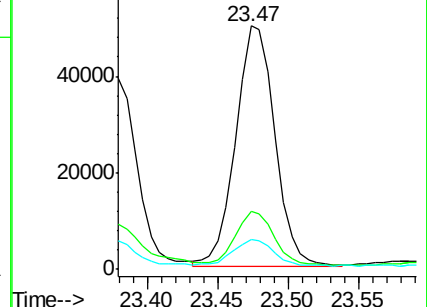
125 12.4 9.1 13.7



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



#41

Benzo(g,h,i)perylene

Concen: 3.62 ng/ul

RT: 26.56 min Scan# 4076

Delta R.T. -0.02 min

Lab File: BM005758.D

Acq: 12 Jun 2016 20:51

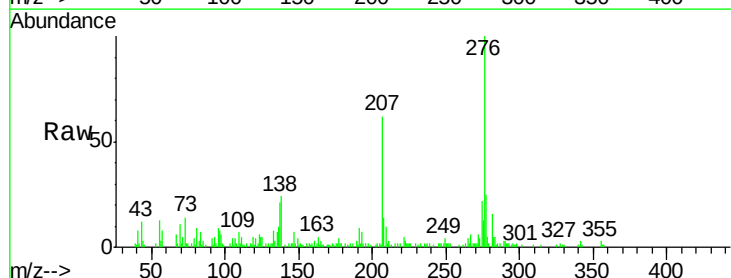
Tgt Ion:276 Resp: 81906

Ion Ratio Lower Upper

276 100

138 23.6 18.2 27.4

277 24.9 19.5 29.3



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

