

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080916\
 Data File : BM006993.D
 Acq On : 09 Aug 2016 21:56
 Operator : UM/SJ
 Sample : SSTD08038
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD08038

Quant Time: Aug 10 01:22:32 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 10 01:21:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	322926	20.00	ng/ul	0.00
7) Naphthalene-d8	10.61	136	1484419	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.46	164	986735	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.20	188	2416426	20.00	ng/ul	0.00
29) Chrysene-d12	21.38	240	2658784	20.00	ng/ul	0.00
34) Perylene-d12	23.66	264	2325044	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	209124	29.65	ng/uL	0.00
3) Phenol-d5	6.99	99	2300427	75.03	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.16	67	1252642	66.99	ng/ul	0.00
5) 2-Chlorophenol-d4	7.36	132	1744049	79.76	ng/ul	0.00
6) 4-Methylphenol-d8	8.53	113	1942289	75.69	ng/ul	0.01
8) Nitrobenzene-d5	8.98	128	906744	81.77	ng/ul	0.00
9) 2-Nitrophenol-d4	9.70	143	1065275	81.49	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.23	165	2019348	80.46	ng/ul	0.01
12) 4-Chloroaniline-d4	10.75	131	2350278	78.44	ng/ul	0.00
16) Dimethylphthalate-d6	13.87	166	6348438	73.34	ng/ul	0.00
17) Acenaphthylene-d8	14.15	160	7376813	73.41	ng/ul	0.00
20) 4-Nitrophenol-d4	14.66	143	1206227	88.68	ng/ul	0.02
21) Fluorene-d10	15.45	176	5257282	71.21	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.57	200	1164296	105.20	ng/ul	0.02
26) Anthracene-d10	17.30	188	8261410	70.66	ng/ul	0.01
30) Pyrene-d10	19.59	212	9352542	73.14	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.52	264	8265527	74.91	ng/ul	0.01

Target Compounds

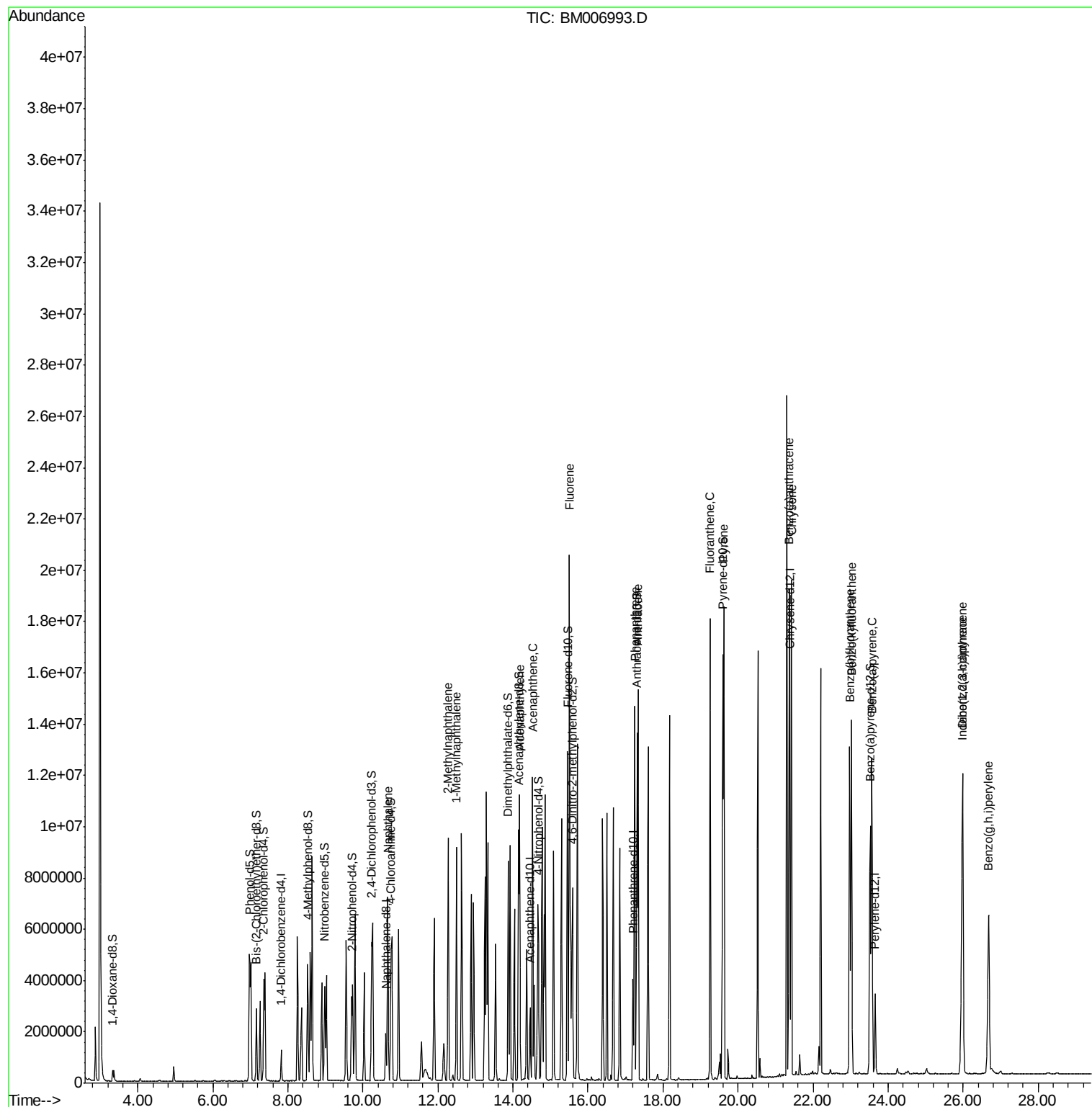
						Qvalue
11) Naphthalene	10.66	128	5702943	75.07	ng/ul	99
13) 2-Methylnaphthalene	12.27	142	4473567	73.64	ng/ul	99
14) 1-Methylnaphthalene	12.49	142	4285303	73.49	ng/ul	98
18) Acenaphthylene	14.18	152	7486867	71.18	ng/ul	99
19) Acenaphthene	14.52	153	4917507	71.61	ng/ul	99
22) Fluorene	15.51	166	5455985	63.62	ng/ul	99
25) Phenanthrene	17.25	178	9450827	69.92	ng/ul	97
27) Anthracene	17.34	178	9507086	67.40	ng/ul	98
28) Fluoranthene	19.26	202	11337759	68.94	ng/ul	100
31) Pyrene	19.62	202	11334623	68.20	ng/ul	99
32) Benzo(a)anthracene	21.36	228	11231531	70.93	ng/ul	95
33) Chrysene	21.42	228	9954744	70.99	ng/ul	95
35) Benzo(b)fluoranthene	22.97	252	10757897	70.64	ng/ul	98
36) Benzo(k)fluoranthene	23.03	252	10260122	70.40	ng/ul	99
38) Benzo(a)pyrene	23.57	252	9916565	72.10	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.97	276	10217350	73.79	ng/ul	99
40) Dibenzo(a,h)anthracene	25.99	278	8386070	72.09	ng/ul	98
41) Benzo(g,h,i)perylene	26.68	276	8649302	78.54	ng/ul	98

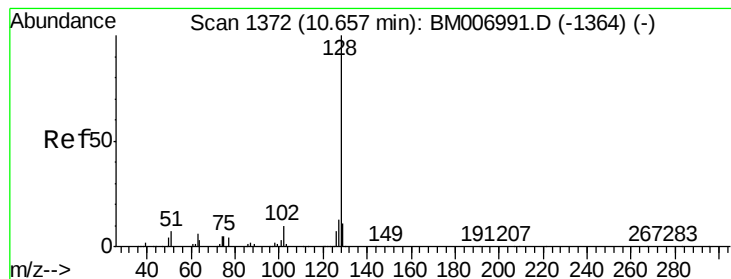
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080916\
Data File : BM006993.D
Acq On : 09 Aug 2016 21:56
Operator : UM/SJ
Sample : SSTD08038
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD08038

Quant Time: Aug 10 01:22:32 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 01:21:42 2016
Response via : Initial Calibration





#11

Naphthalene

Concen: 75.07 ng/ul

RT: 10.66 min Scan# 1373

Delta R.T. 0.01 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

Instrument :

BNA_M

ClientSampleId :

SSTD08038

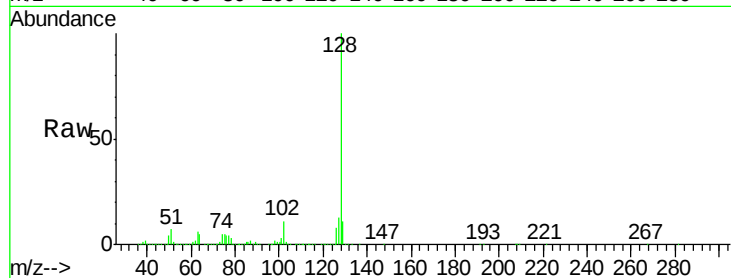
Tgt Ion:128 Resp: 5702943

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

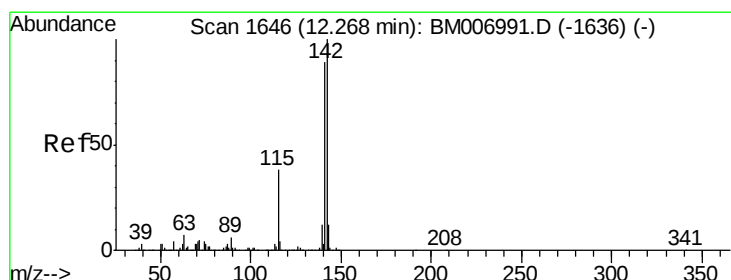
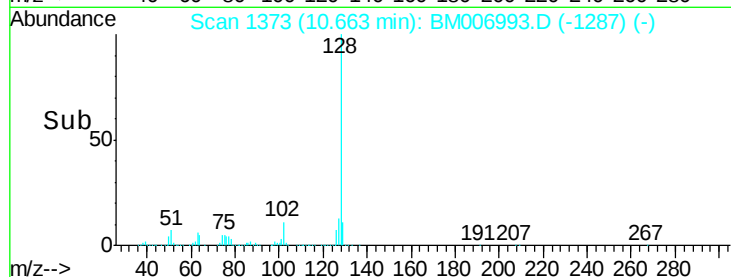
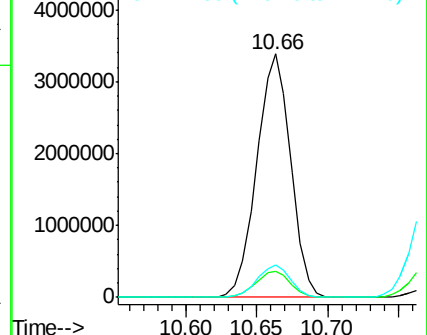
127 13.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#13

2-Methylnaphthalene

Concen: 73.64 ng/ul

RT: 12.27 min Scan# 1647

Delta R.T. 0.01 min

Lab File: BM006993.D

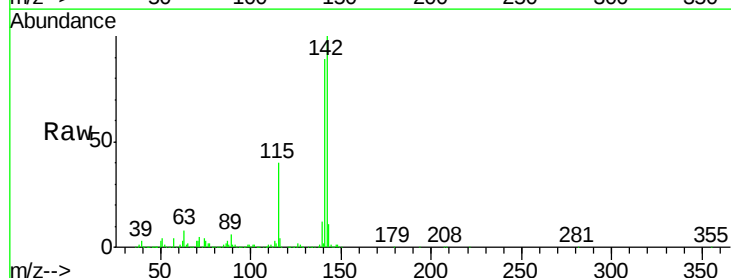
Acq: 09 Aug 2016 21:56

Tgt Ion:142 Resp: 4473567

Ion Ratio Lower Upper

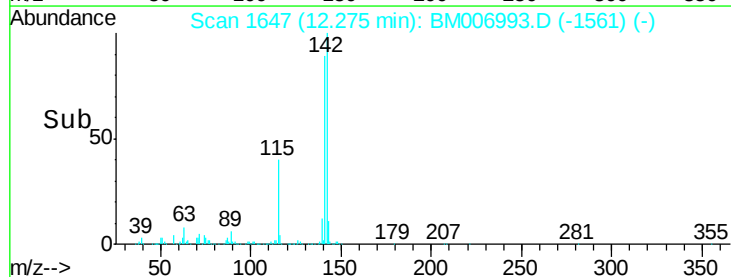
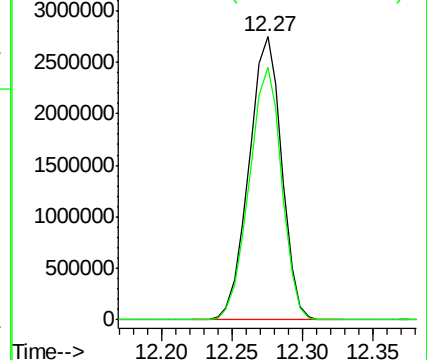
142 100

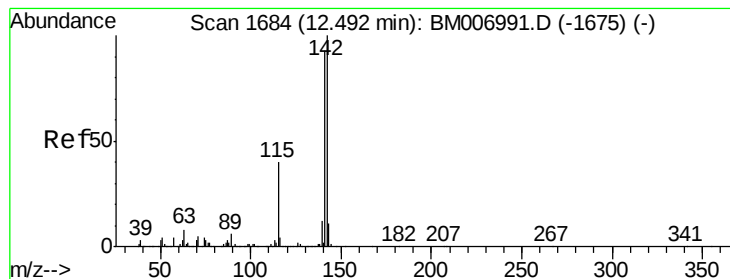
141 89.3 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#14

1-Methylnaphthalene

Concen: 73.49 ng/ul

RT: 12.49 min Scan# 1684

Delta R.T. 0.00 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

Instrument :

BNA_M

ClientSampleId :

SSTD08038

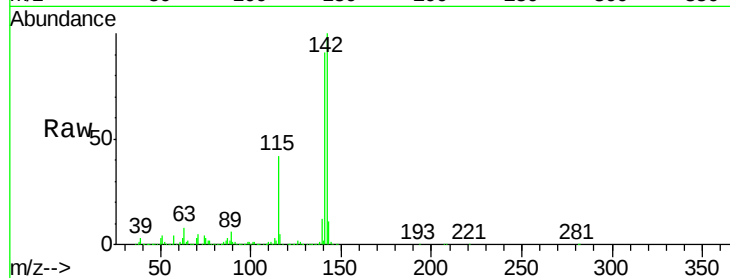
Tgt Ion:142 Resp: 4285303

Ion Ratio Lower Upper

142 100

141 91.5 74.4 111.6

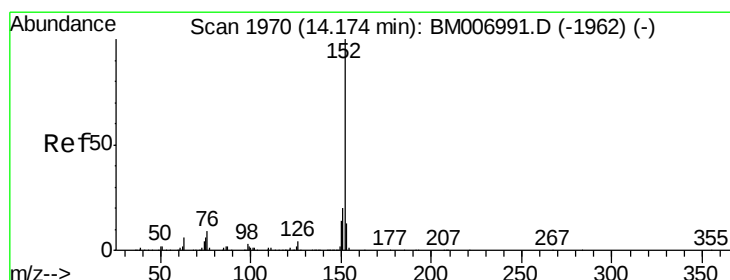
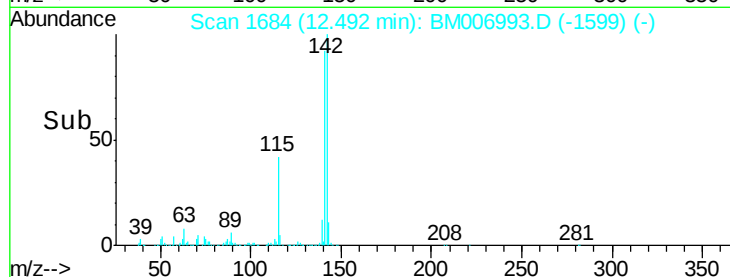
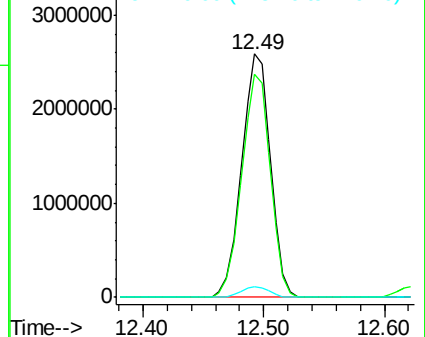
116 4.5 3.2 4.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#18

Acenaphthylene

Concen: 71.18 ng/ul

RT: 14.18 min Scan# 1971

Delta R.T. 0.01 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

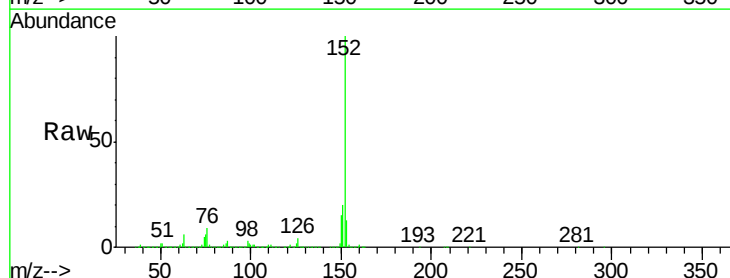
Tgt Ion:152 Resp: 7486867

Ion Ratio Lower Upper

152 100

151 20.5 16.1 24.1

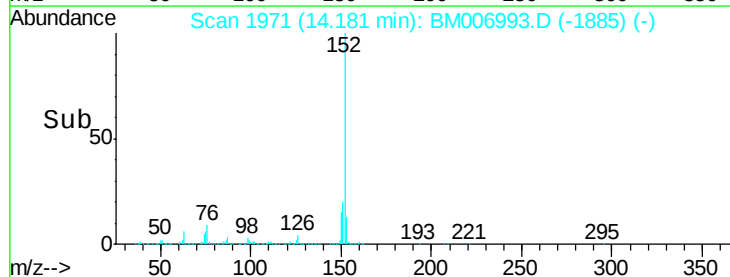
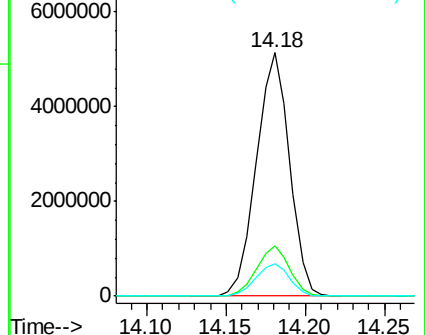
153 13.4 10.4 15.6

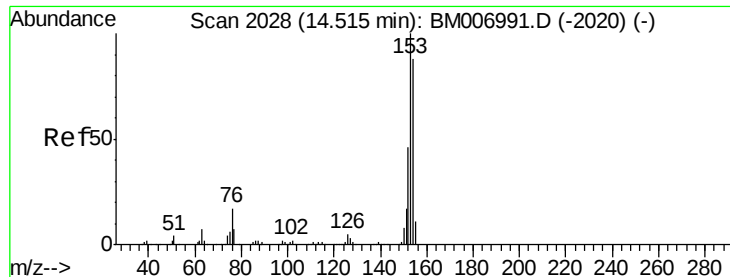


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 71.61 ng/ul

RT: 14.52 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

Instrument :

BNA_M

ClientSampleId :

SSTD08038

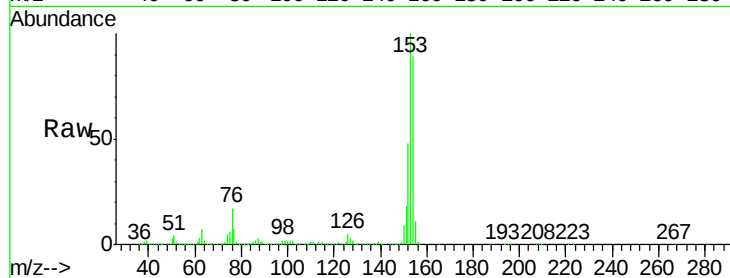
Tgt Ion:153 Resp: 4917507

Ion Ratio Lower Upper

153 100

152 47.8 37.0 55.6

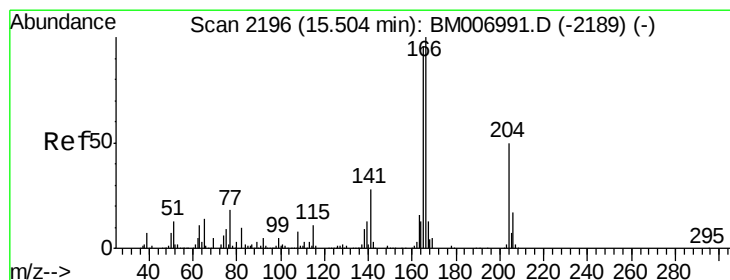
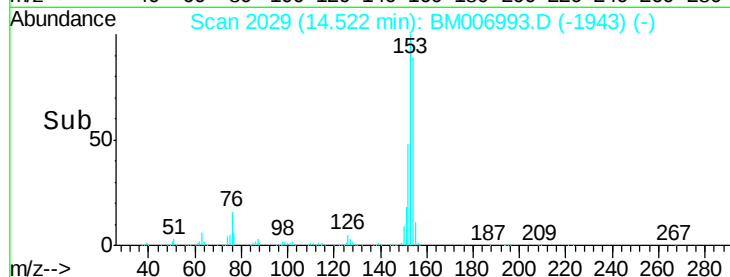
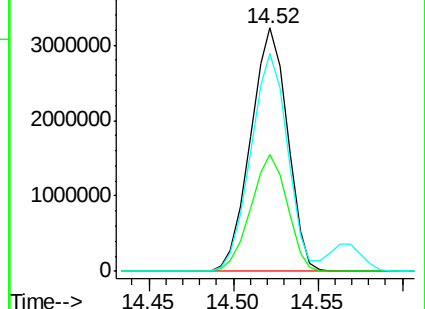
154 89.3 70.9 106.3



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



#22

Fluorene

Concen: 63.62 ng/ul

RT: 15.51 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

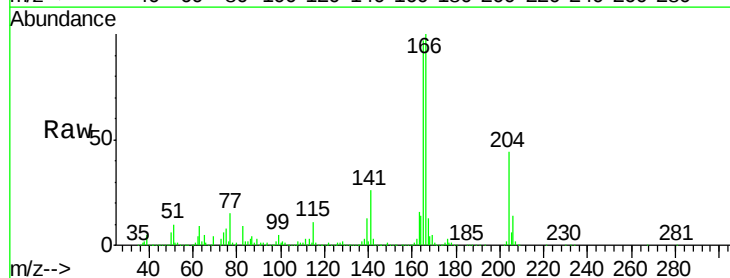
Tgt Ion:166 Resp: 5455985

Ion Ratio Lower Upper

166 100

165 97.1 76.6 115.0

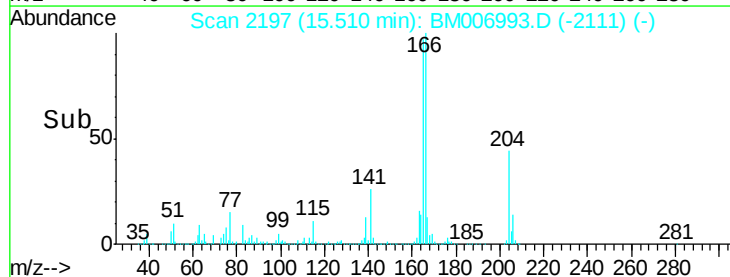
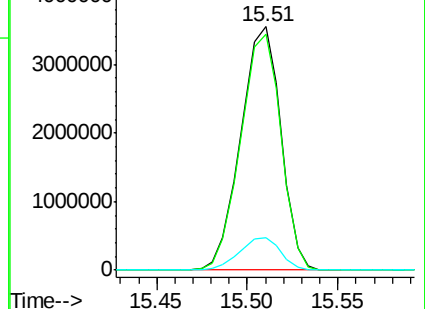
167 13.2 10.7 16.1

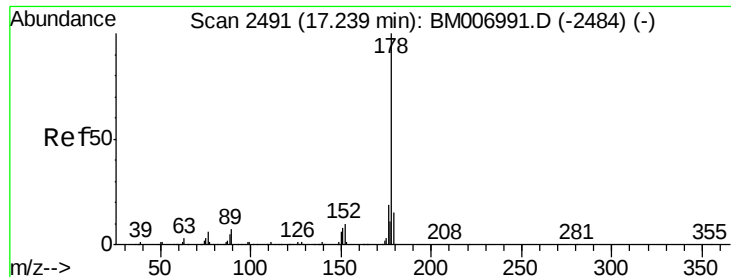


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 69.92 ng/ul

RT: 17.25 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

Instrument :

BNA_M

ClientSampleId :

SSTD08038

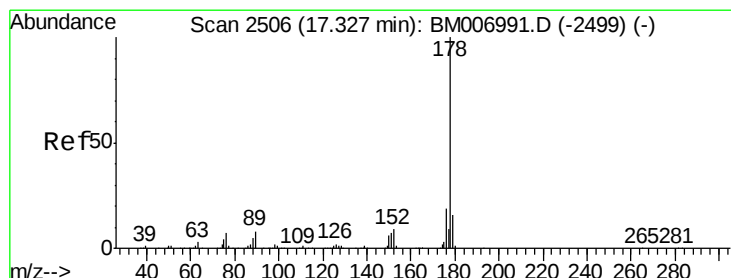
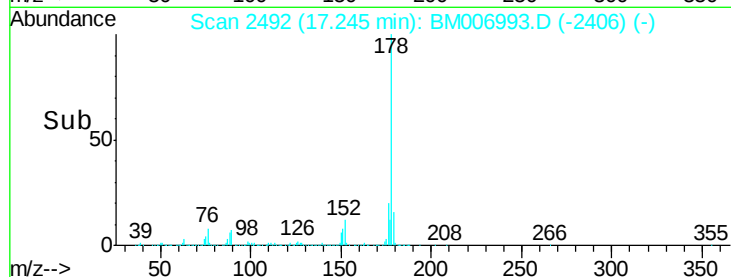
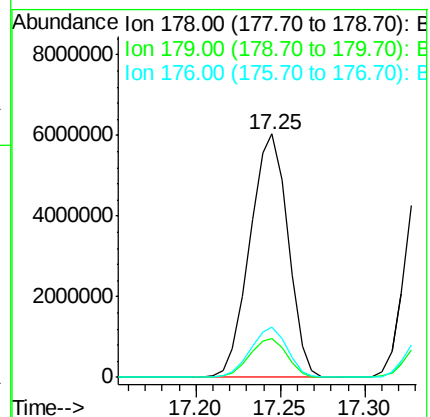
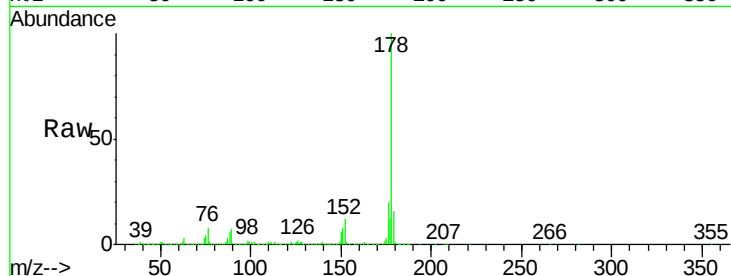
Tgt Ion:178 Resp: 9450827

Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.2

176 20.5 15.2 22.8



#27

Anthracene

Concen: 67.40 ng/ul

RT: 17.34 min Scan# 2508

Delta R.T. 0.01 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

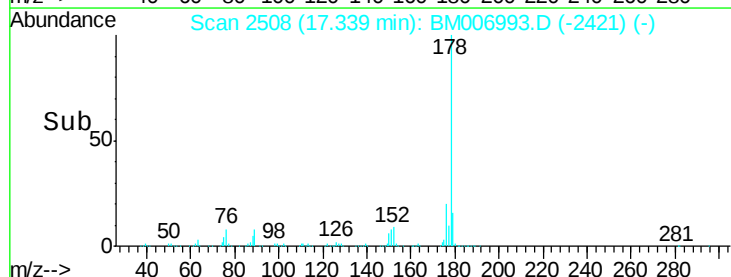
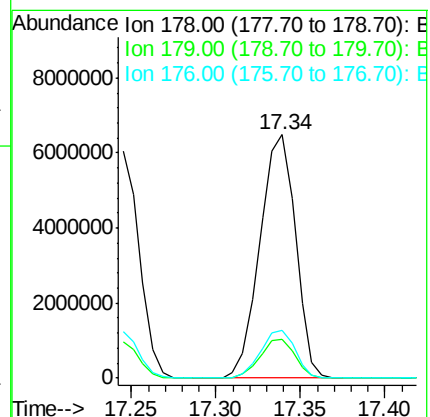
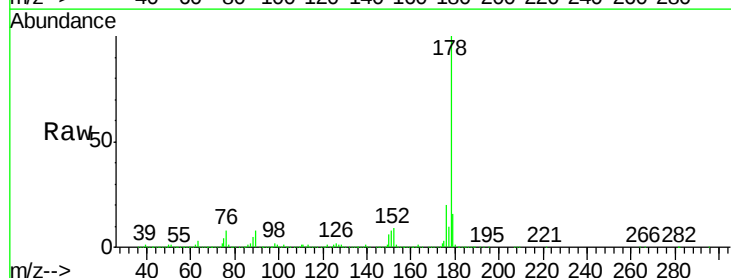
Tgt Ion:178 Resp: 9507086

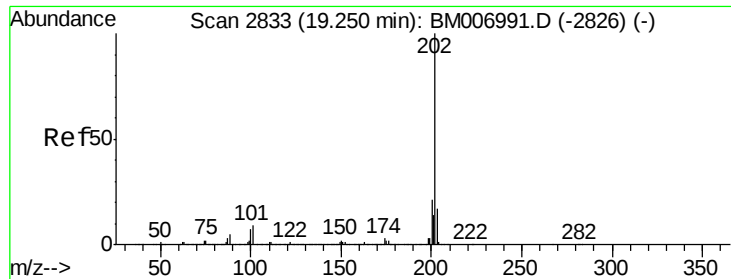
Ion Ratio Lower Upper

178 100

179 16.2 12.5 18.7

176 19.8 15.0 22.4





#28

Fluoranthene

Concen: 68.94 ng/ul

RT: 19.26 min Scan# 2834

Delta R.T. 0.01 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

Instrument :

BNA_M

ClientSampleId :

SSTD08038

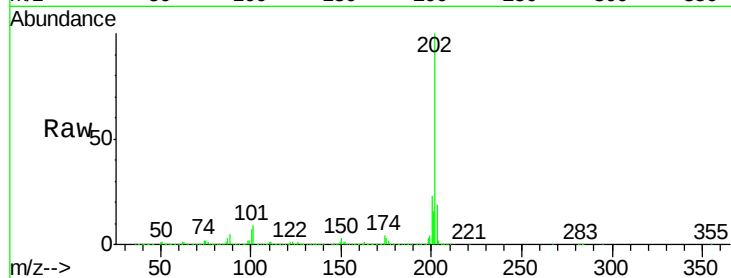
Tgt Ion:202 Resp:11337759

Ion Ratio Lower Upper

202 100

101 9.3 7.4 11.2

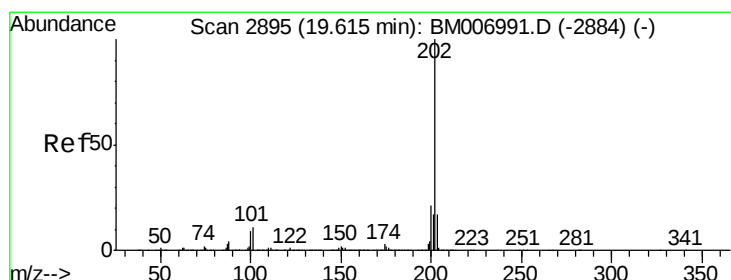
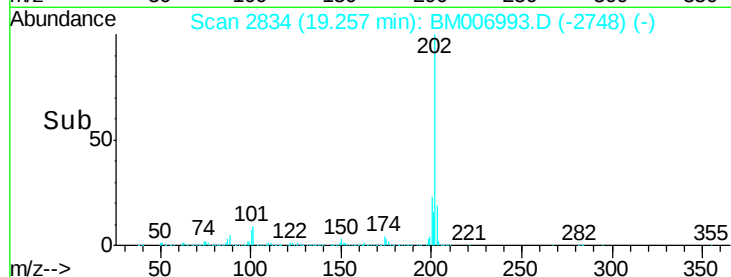
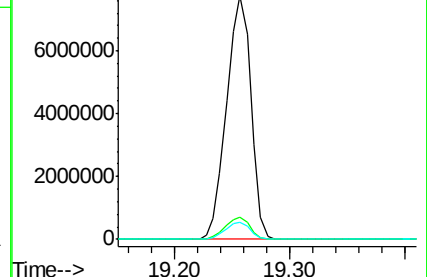
100 7.0 5.8 8.6



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



#31

Pyrene

Concen: 68.20 ng/ul

RT: 19.62 min Scan# 2896

Delta R.T. 0.01 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

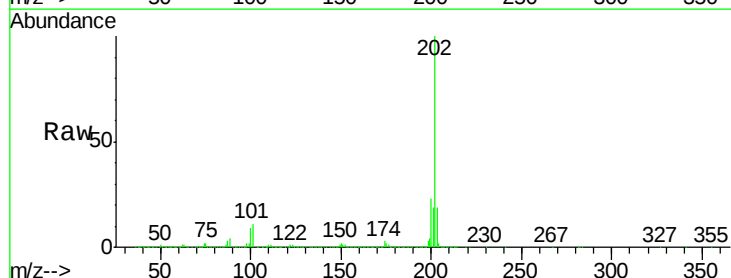
Tgt Ion:202 Resp:11334623

Ion Ratio Lower Upper

202 100

101 11.1 8.5 12.7

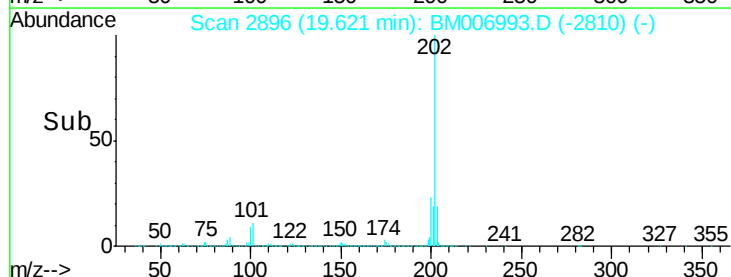
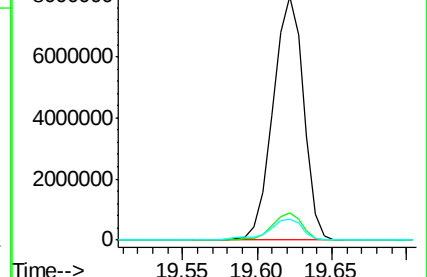
100 8.8 7.1 10.7

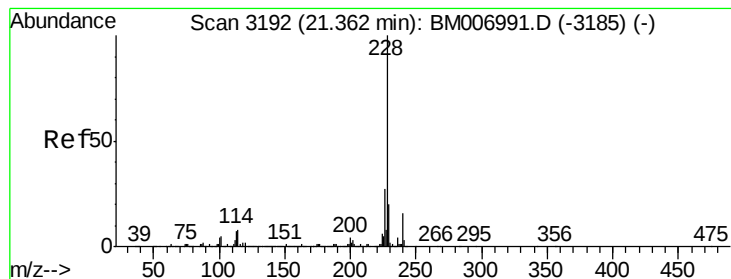


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 70.93 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. 0.00 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

Instrument :

BNA_M

ClientSampleId :

SSTD08038

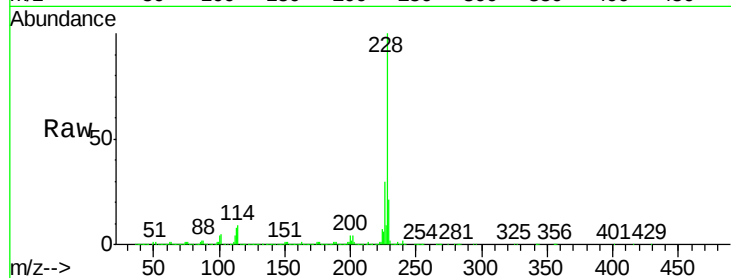
Tgt Ion:228 Resp:11231531

Ion Ratio Lower Upper

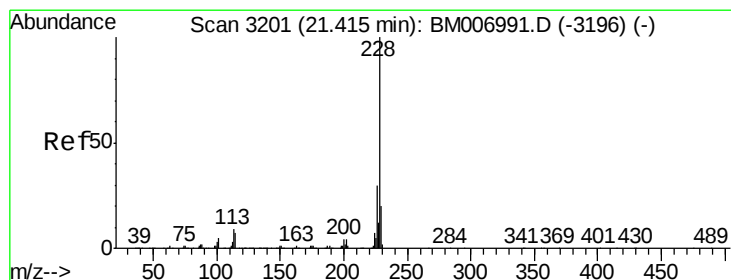
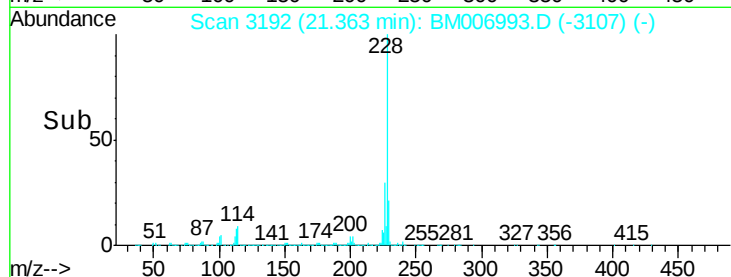
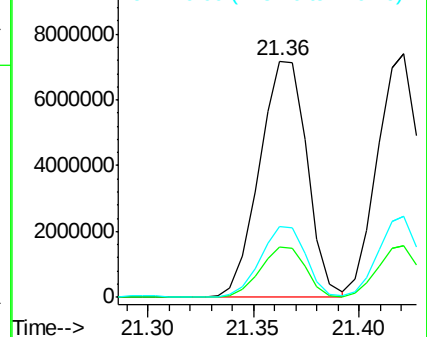
228 100

229 21.4 15.8 23.6

226 30.2 21.9 32.9



Abundance Ion 228.00 (227.70 to 228.70): E
1e+07 Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#33

Chrysene

Concen: 70.99 ng/ul

RT: 21.42 min Scan# 3202

Delta R.T. 0.01 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

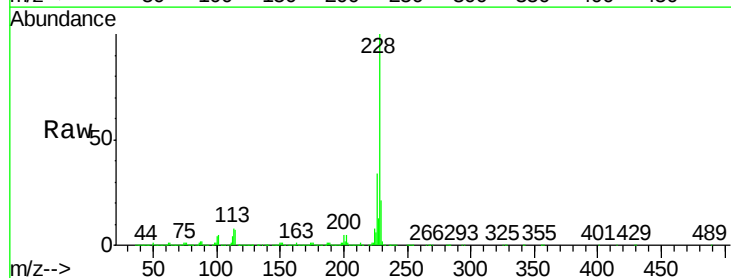
Tgt Ion:228 Resp: 9954744

Ion Ratio Lower Upper

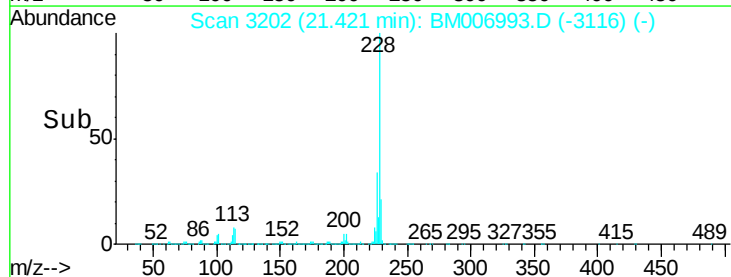
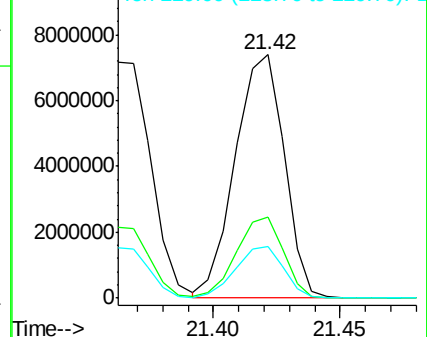
228 100

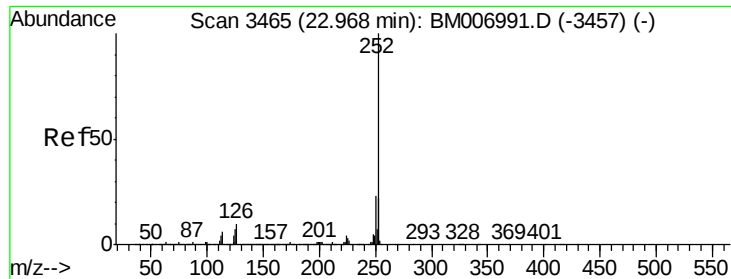
226 33.5 24.2 36.4

229 21.1 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
1e+07 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 70.64 ng/ul

RT: 22.97 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

Instrument :

BNA_M

ClientSampleId :

SSTD08038

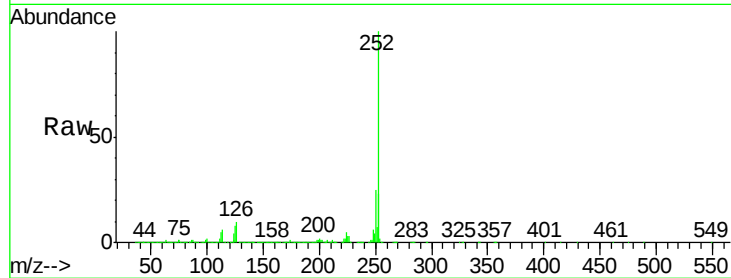
Tgt Ion:252 Resp:10757897

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

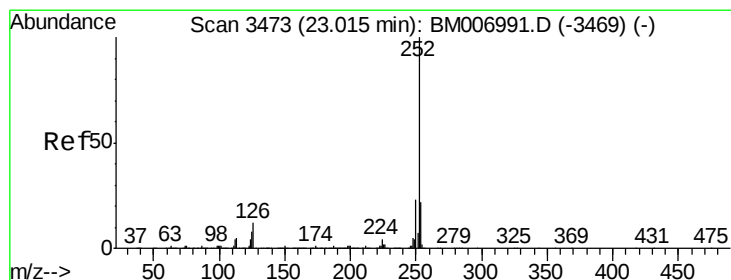
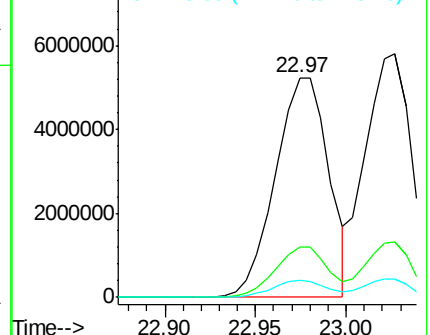
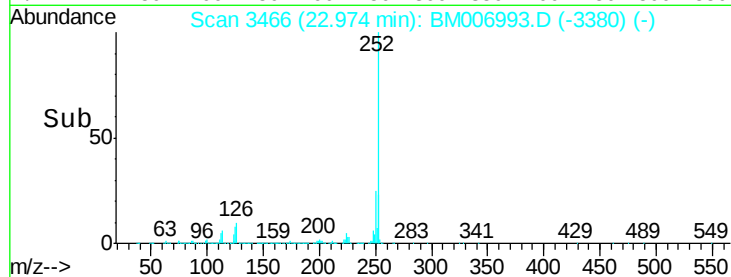
125 7.7 6.0 9.0



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: 70.40 ng/ul

RT: 23.03 min Scan# 3475

Delta R.T. 0.01 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

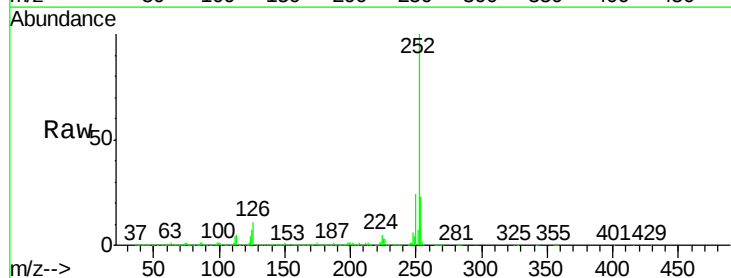
Tgt Ion:252 Resp:10260122

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

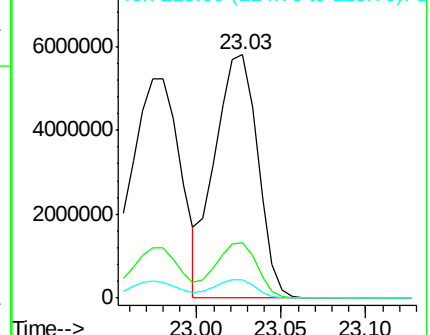
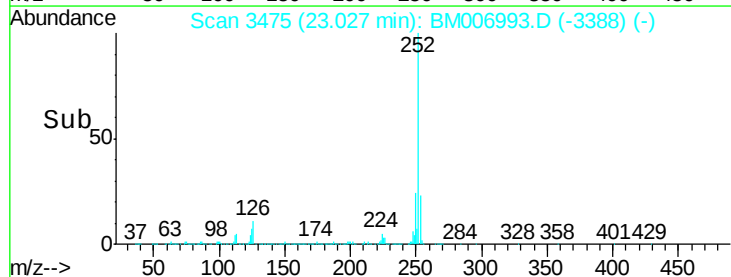
125 7.4 6.2 9.4

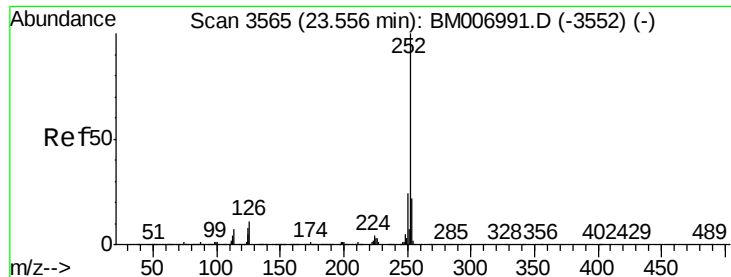


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 72.10 ng/ul

RT: 23.57 min Scan# 3567

Delta R.T. 0.01 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

Instrument :

BNA_M

ClientSampleId :

SSTD08038

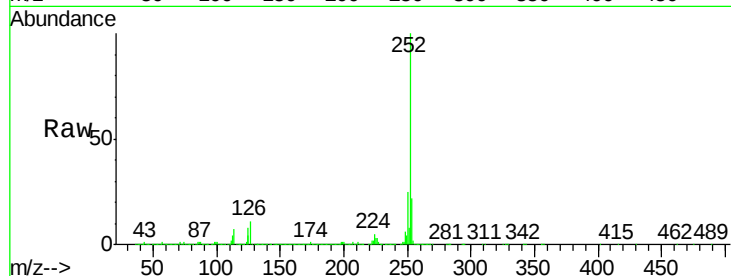
Tgt Ion:252 Resp: 9916565

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

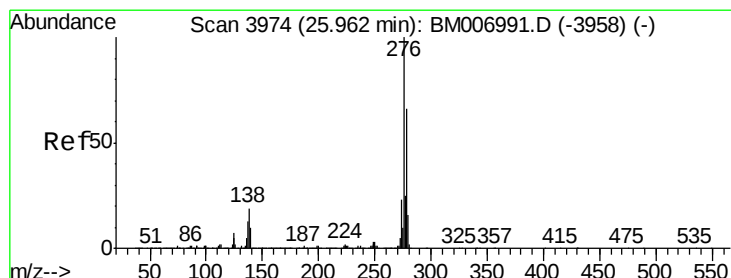
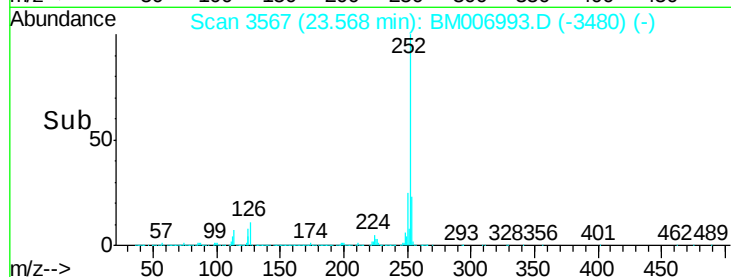
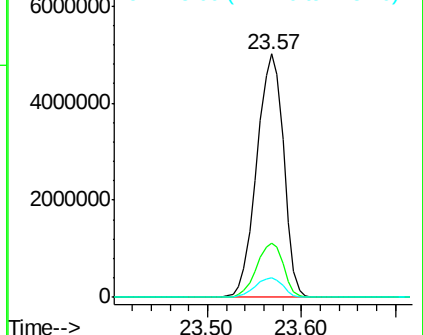
125 8.2 6.8 10.2



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: 73.79 ng/ul

RT: 25.97 min Scan# 3976

Delta R.T. 0.01 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

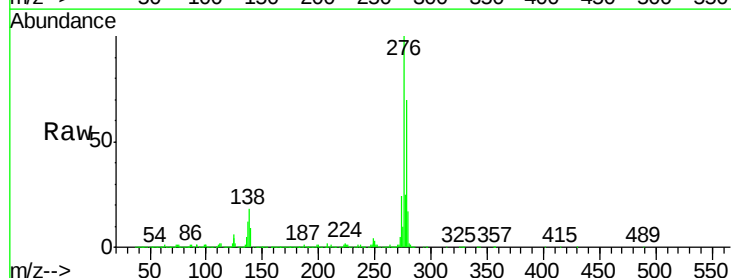
Tgt Ion:276 Resp:10217350

Ion Ratio Lower Upper

276 100

138 18.4 14.9 22.3

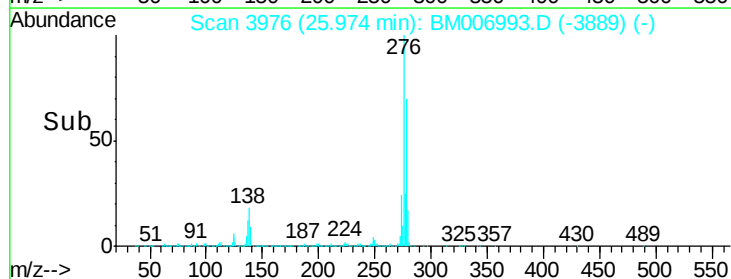
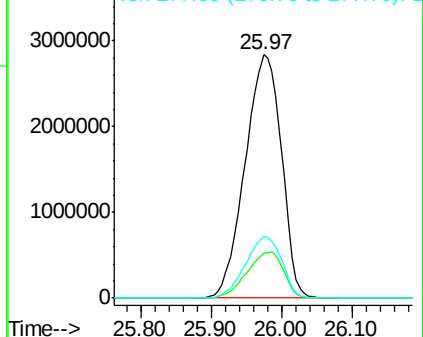
277 25.2 19.8 29.6

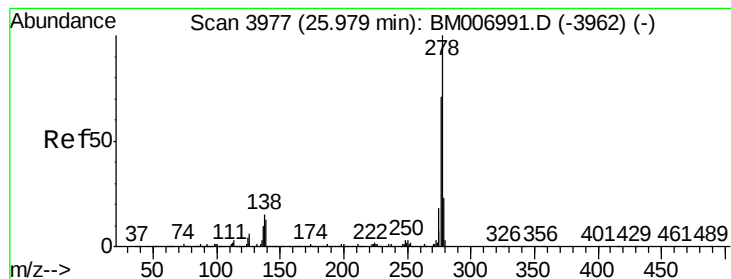


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 72.09 ng/ul

RT: 25.99 min Scan# 3979

Delta R.T. 0.01 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

Instrument :

BNA_M

ClientSampleId :

SSTD08038

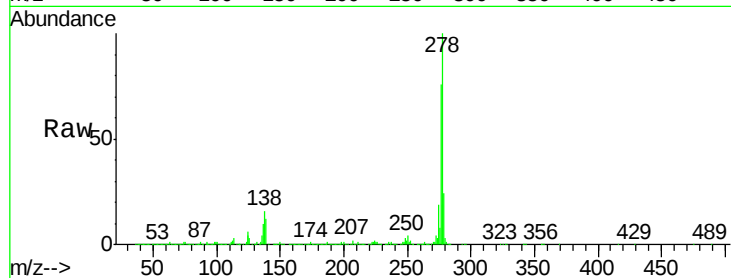
Tgt Ion:278 Resp: 8386070

Ion	Ratio	Lower	Upper
278	100		
139	12.3	10.3	15.5
279	24.4	18.8	28.2

278 100

139 12.3 10.3 15.5

279 24.4 18.8 28.2

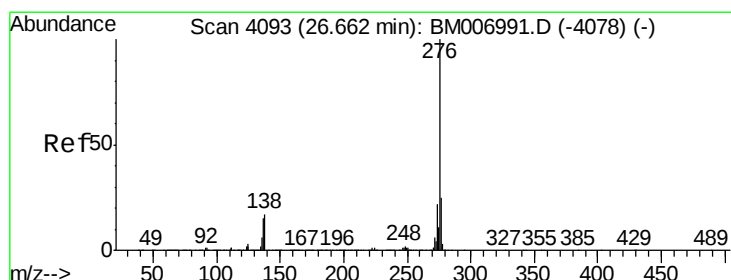
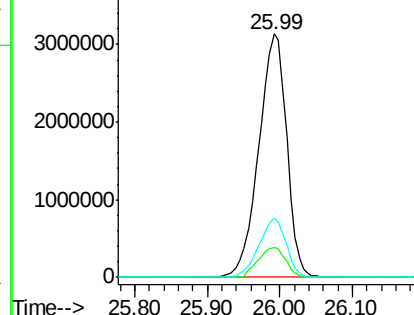
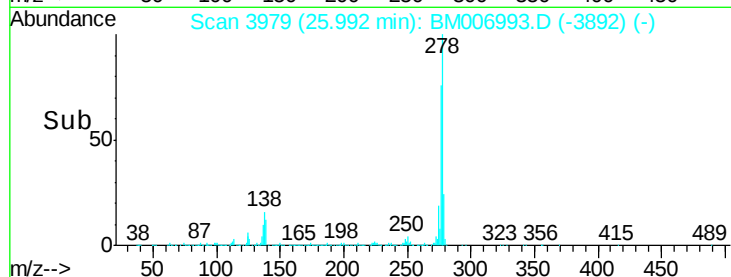


Abundance

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: 78.54 ng/ul

RT: 26.68 min Scan# 4096

Delta R.T. 0.02 min

Lab File: BM006993.D

Acq: 09 Aug 2016 21:56

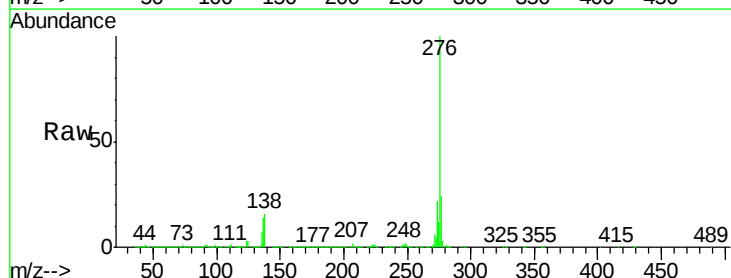
Tgt Ion:276 Resp: 8649302

Ion	Ratio	Lower	Upper
276	100		
138	16.3	14.0	21.0
277	23.8	19.6	29.4

276 100

138 16.3 14.0 21.0

277 23.8 19.6 29.4



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

