

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
 Data File : BM002252.D
 Acq On : 08 Aug 2015 00:06
 Operator : TP/UM
 Sample : SSTD04010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD04010

Quant Time: Aug 08 04:19:30 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 08 04:17:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	168344	20.00	ng/ul	0.00
2) Naphthalene-d8	11.80	136	818485	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	455613	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	989383	20.00	ng/ul	0.00
17) Chrysene-d12	22.30	240	1002629	20.00	ng/ul	0.00
22) Perylene-d12	25.00	264	1017368	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	15.21	160	1877073	43.19	ng/ul	0.00
10) Fluorene-d10	16.47	176	1285755	42.29	ng/ul	0.00
14) Anthracene-d10	18.31	188	1878349	41.24	ng/ul	0.00
18) Pyrene-d10	20.53	212	1916002	39.44	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.83	264	2143592	42.05	ng/ul	0.00

Target Compounds

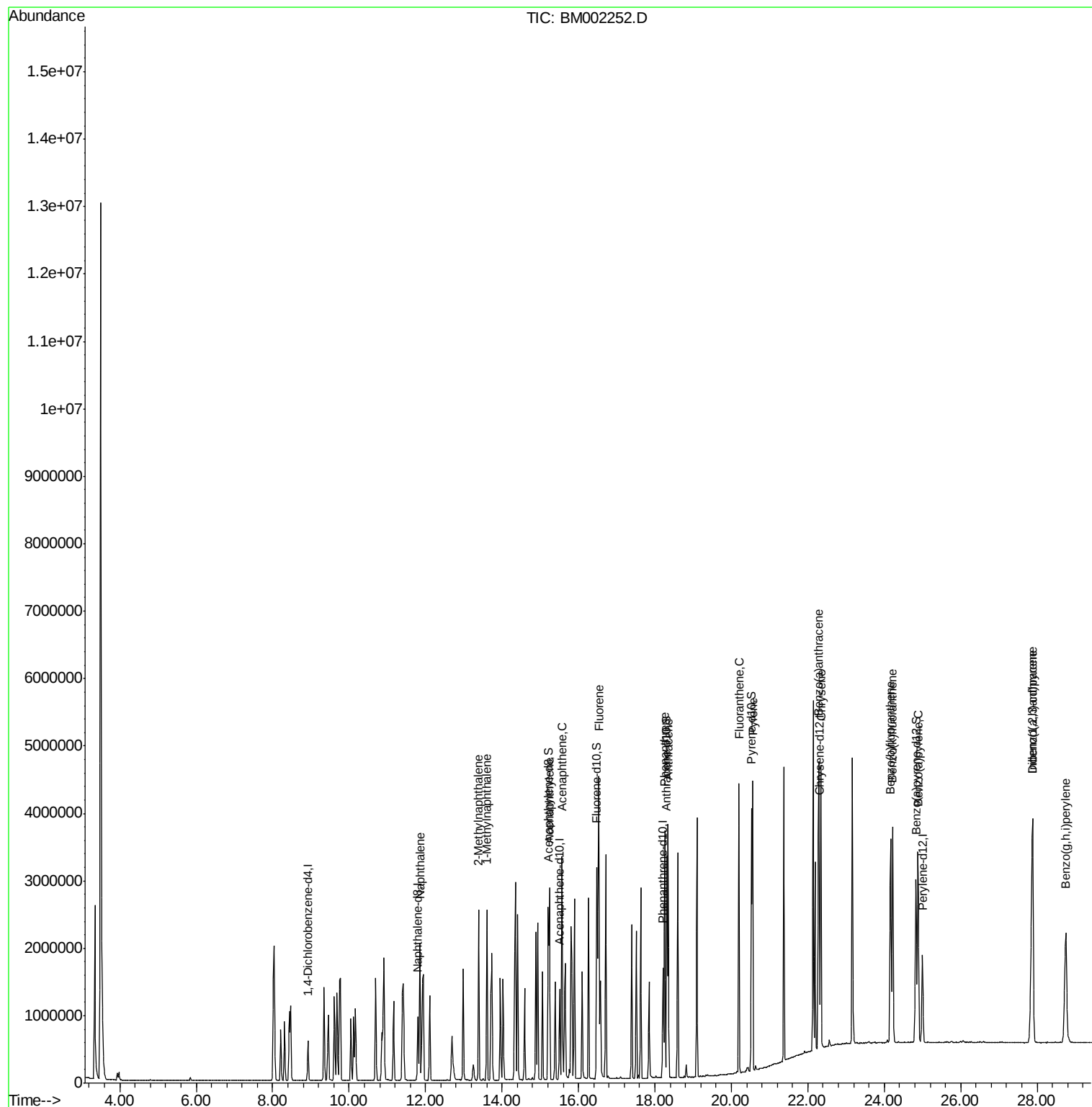
						Qvalue
3) Naphthalene	11.85	128	1702164	42.58	ng/ul	100
4) 2-Methylnaphthalene	13.39	142	1212940	39.97	ng/ul	99
5) 1-Methylnaphthalene	13.60	142	1193005	40.81	ng/ul	99
8) Acenaphthylene	15.24	152	1943017	43.59	ng/ul	100
9) Acenaphthene	15.57	153	1310332	44.66	ng/ul	99
11) Fluorene	16.53	166	1456644	42.15	ng/ul	99
13) Phenanthrene	18.26	178	2226018	42.16	ng/ul	100
15) Anthracene	18.34	178	2295428	42.41	ng/ul	99
16) Fluoranthene	20.20	202	2479352	42.38	ng/ul	98
19) Pyrene	20.56	202	2572525	40.94	ng/ul	100
20) Benzo(a)anthracene	22.28	228	2409780	41.66	ng/ul	100
21) Chrysene	22.34	228	2292640	42.92	ng/ul	99
23) Benzo(b)fluoranthene	24.17	252	2452575	41.51	ng/ul	99
24) Benzo(k)fluoranthene	24.22	252	2440943	42.36	ng/ul	99
26) Benzo(a)pyrene	24.89	252	2390640	42.25	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.87	276	2782114	43.40	ng/ul	98
28) Dibenzo(a,h)anthracene	27.89	278	2342005	42.98	ng/ul	99
29) Benzo(g,h,i)perylene	28.76	276	2365085	44.21	ng/ul	98

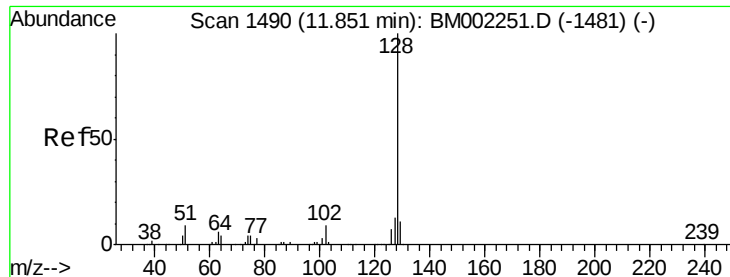
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 42.58 ng/ul

RT: 11.85 min Scan# 1490

Delta R.T. -0.00 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

Instrument :

BNA_M

ClientSampleId :

SSTD04010

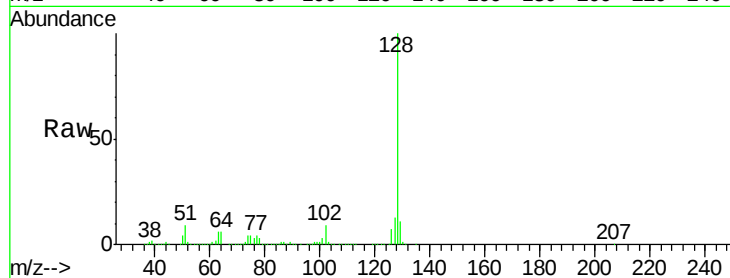
Tgt Ion:128 Resp: 1702164

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

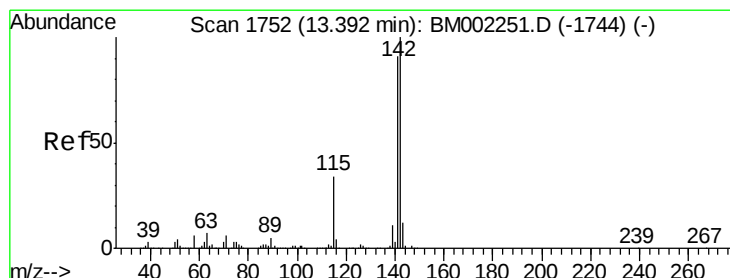
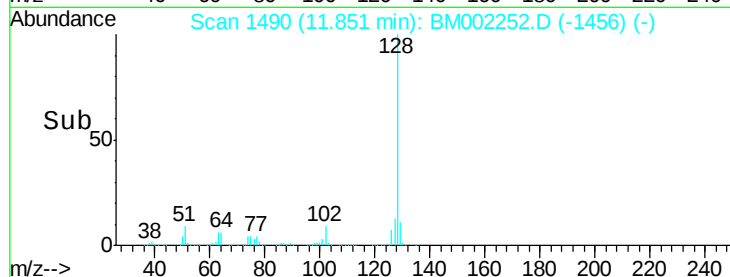
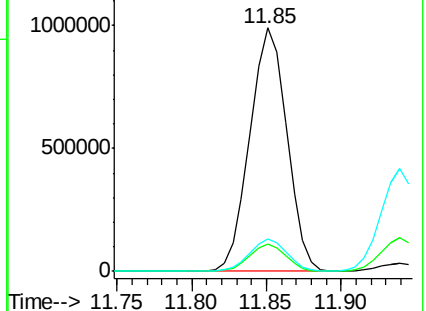
127 13.1 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 39.97 ng/ul

RT: 13.39 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BM002252.D

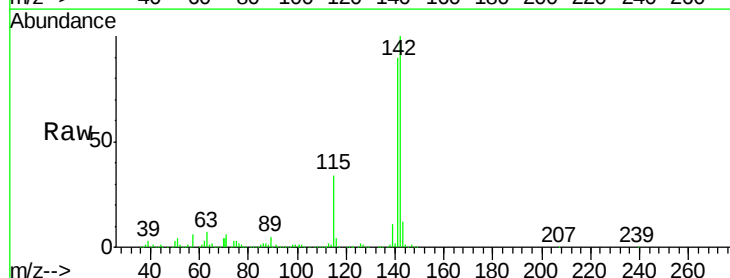
Acq: 08 Aug 2015 00:06

Tgt Ion:142 Resp: 1212940

Ion Ratio Lower Upper

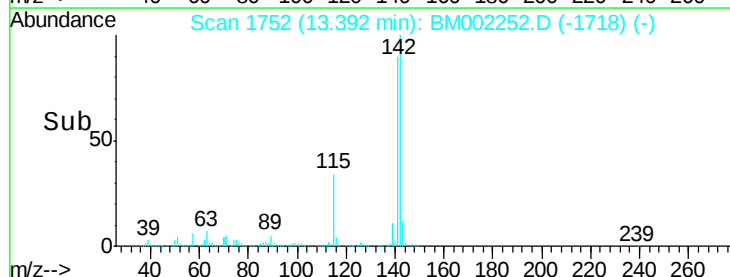
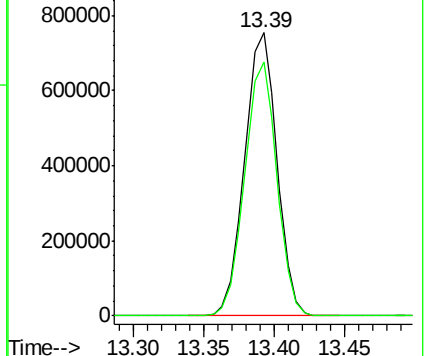
142 100

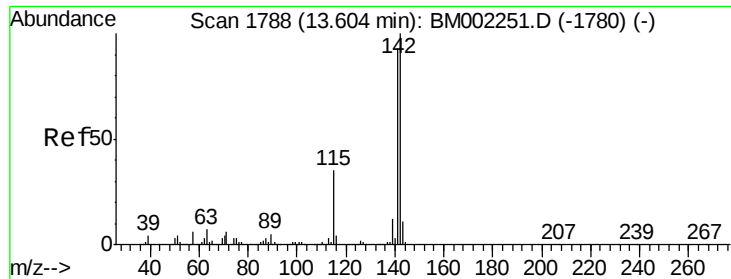
141 89.8 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 40.81 ng/ul

RT: 13.60 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

Instrument :

BNA_M

ClientSampleId :

SSTD04010

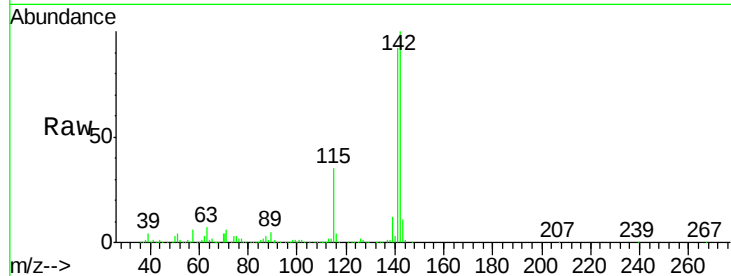
Tgt Ion:142 Resp: 1193005

Ion Ratio Lower Upper

142 100

141 92.5 74.5 111.7

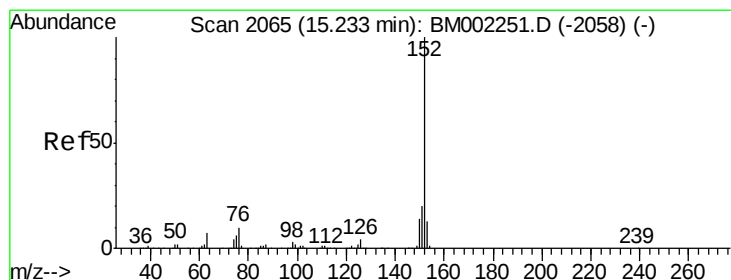
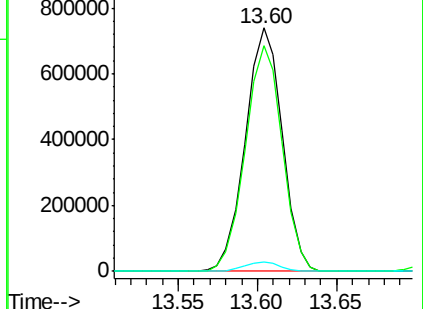
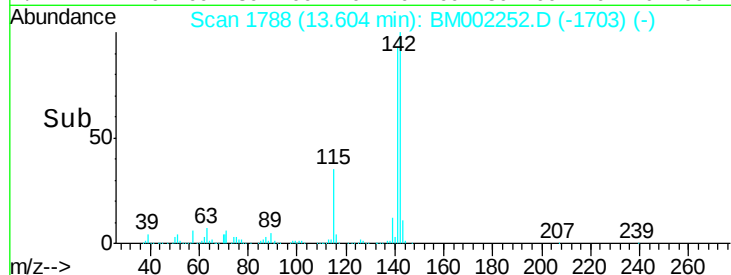
116 3.7 3.0 4.4



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



#8

Acenaphthylene

Concen: 43.59 ng/ul

RT: 15.24 min Scan# 2066

Delta R.T. 0.01 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

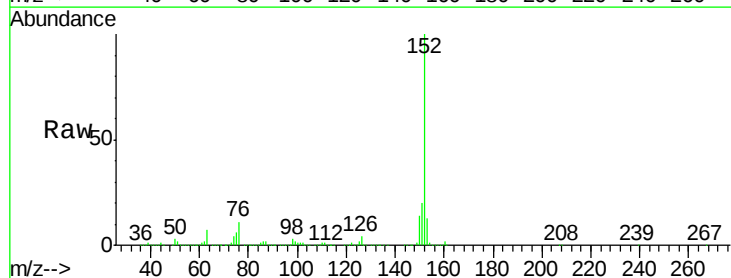
Tgt Ion:152 Resp: 1943017

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

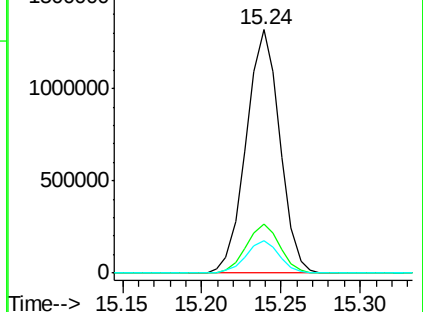
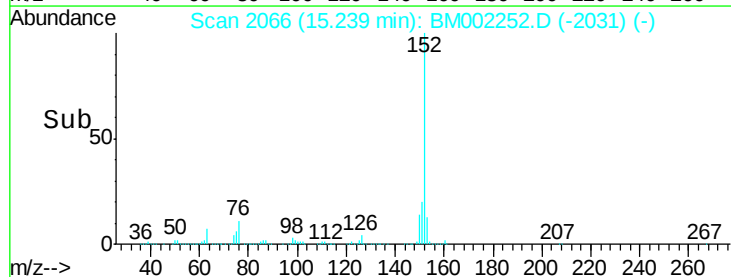
153 13.1 10.6 15.8

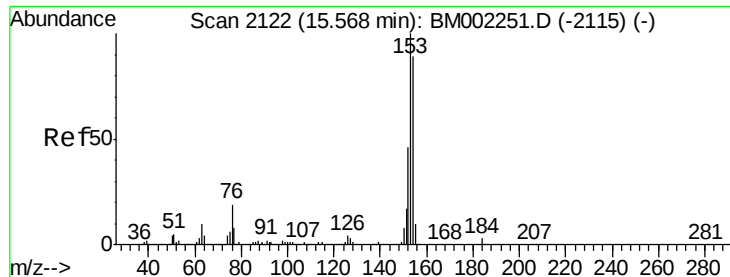


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 44.66 ng/ul

RT: 15.57 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

Instrument :

BNA_M

ClientSampled :

SSTD04010

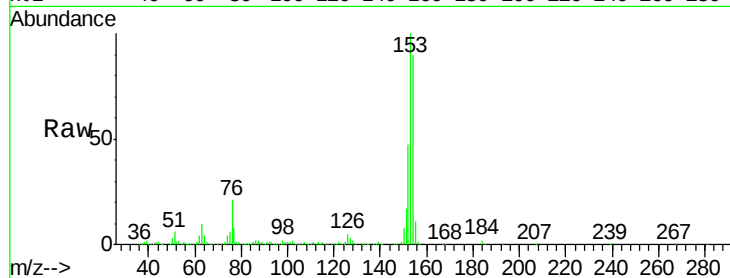
Tgt Ion:153 Resp: 1310332

Ion Ratio Lower Upper

153 100

152 46.5 36.6 55.0

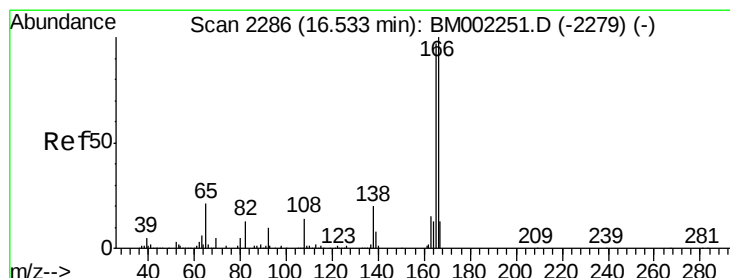
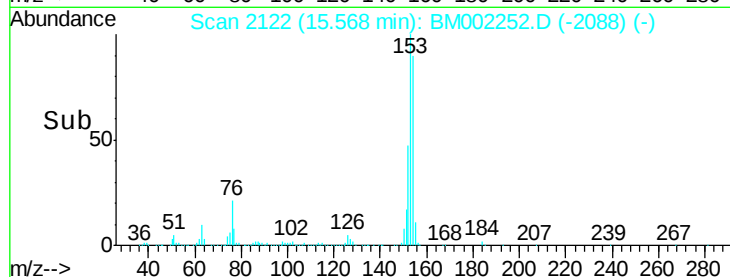
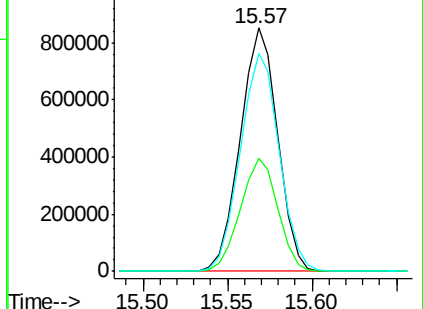
154 89.8 71.5 107.3



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



#11

Fluorene

Concen: 42.15 ng/ul

RT: 16.53 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

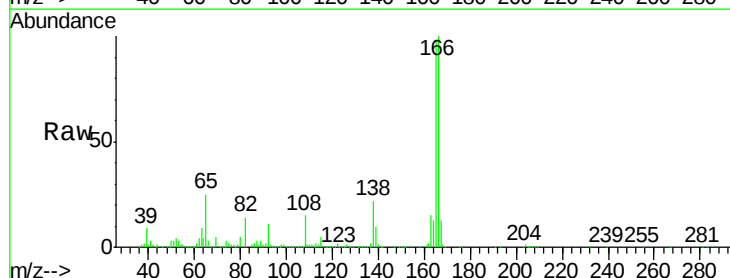
Tgt Ion:166 Resp: 1456644

Ion Ratio Lower Upper

166 100

165 97.6 77.5 116.3

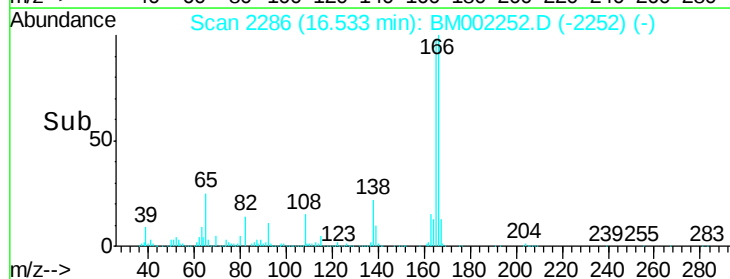
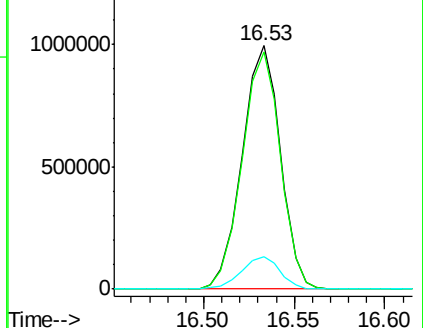
167 13.2 10.4 15.6

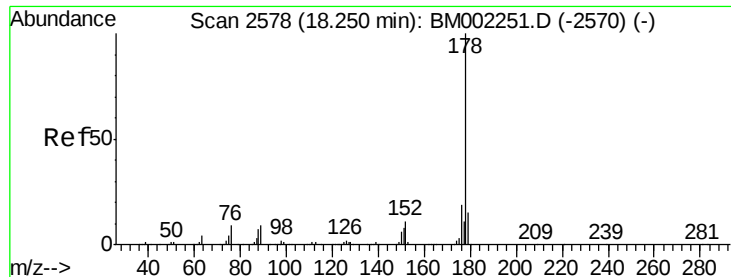


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 42.16 ng/ul

RT: 18.26 min Scan# 2579

Delta R.T. 0.01 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

Instrument :

BNA_M

ClientSampleId :

SSTD04010

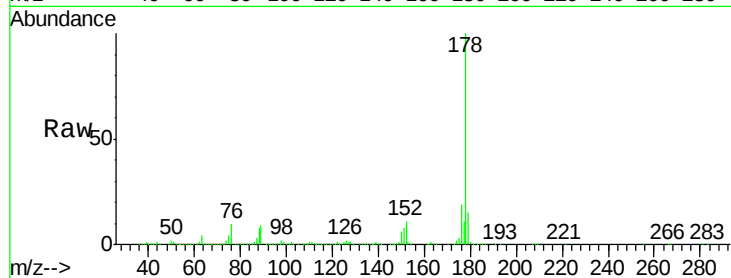
Tgt Ion:178 Resp: 2226018

Ion Ratio Lower Upper

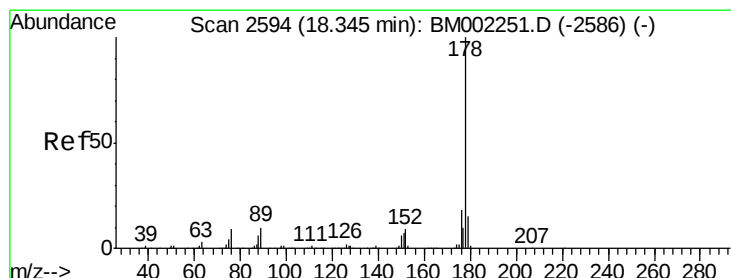
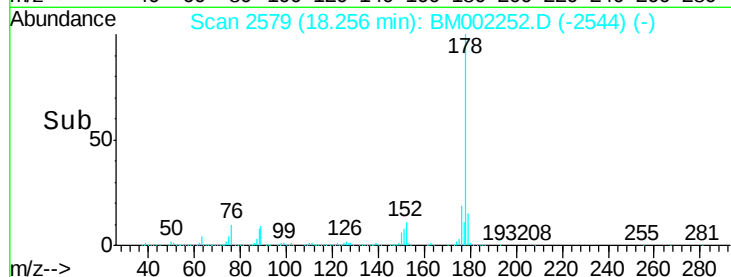
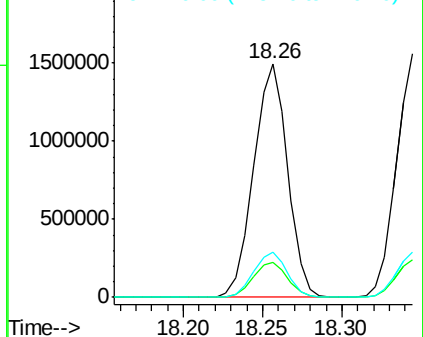
178 100

179 15.2 12.3 18.5

176 19.3 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



#15

Anthracene

Concen: 42.41 ng/ul

RT: 18.34 min Scan# 2594

Delta R.T. -0.00 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

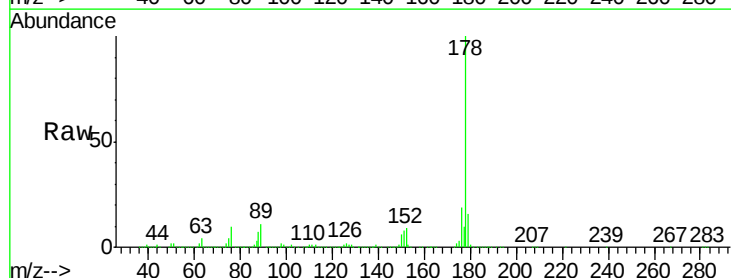
Tgt Ion:178 Resp: 2295428

Ion Ratio Lower Upper

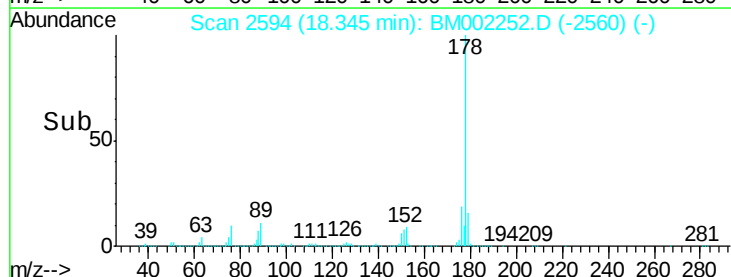
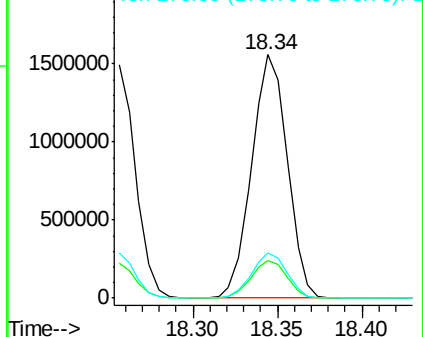
178 100

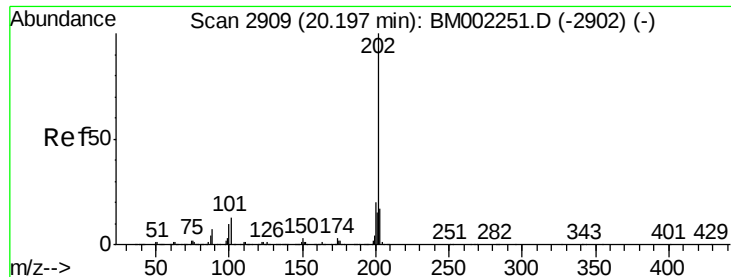
179 15.6 12.3 18.5

176 18.6 14.5 21.7



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

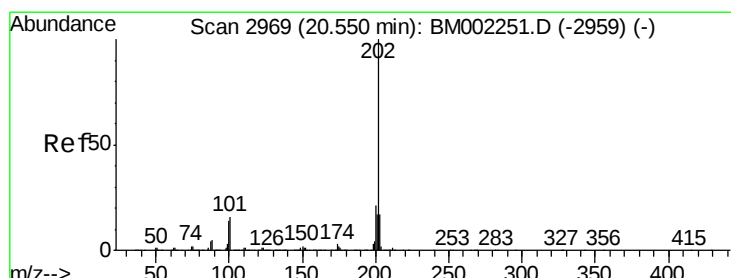
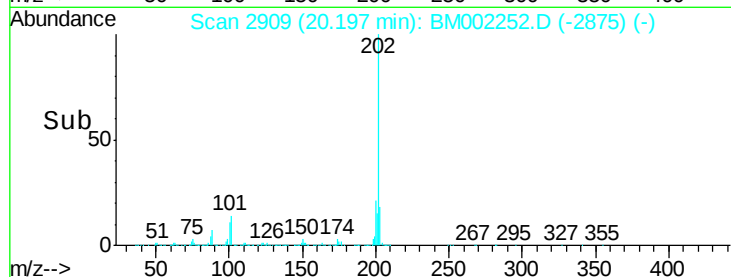
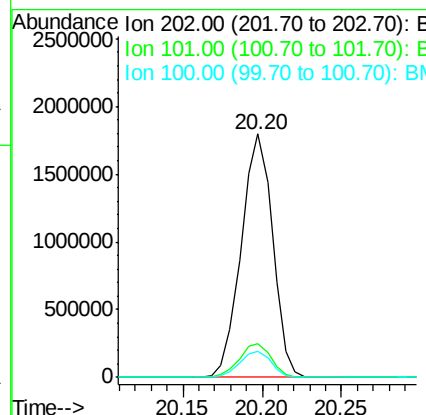
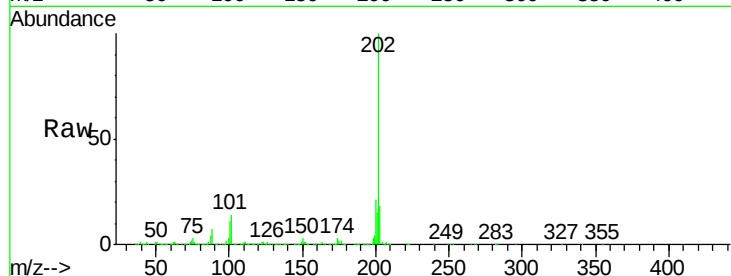




#16
 Fluoranthene
 Concen: 42.38 ng/ul
 RT: 20.20 min Scan# 2909
 Delta R.T. -0.00 min
 Lab File: BM002252.D
 Acq: 08 Aug 2015 00:06

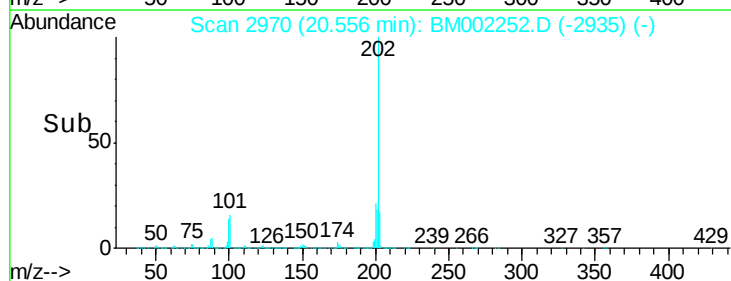
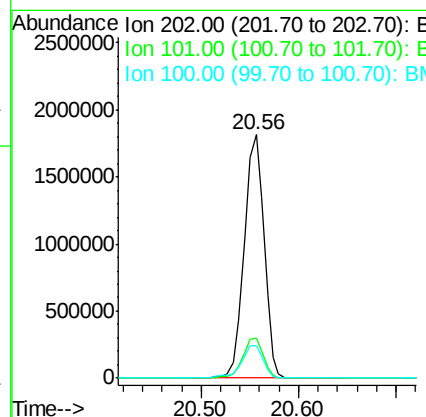
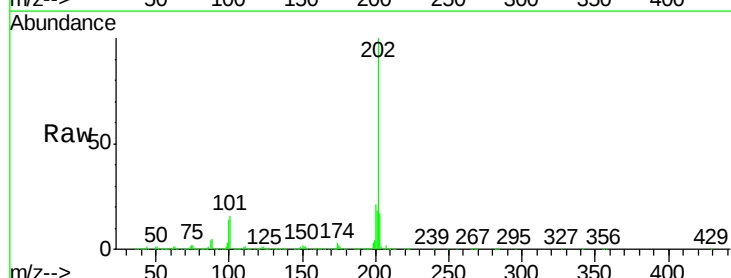
Instrument :
 BNA_M
 ClientSampleId :
 SST04010

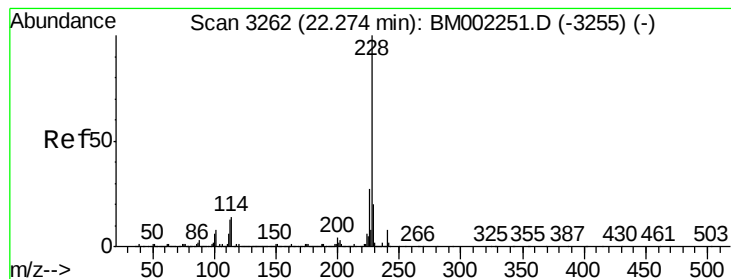
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	10.6	15.8
100	10.9	8.2	12.4



#19
 Pyrene
 Concen: 40.94 ng/ul
 RT: 20.56 min Scan# 2970
 Delta R.T. 0.01 min
 Lab File: BM002252.D
 Acq: 08 Aug 2015 00:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.4	13.0	19.6
100	13.5	11.0	16.4





#20

Benzo(a)anthracene

Concen: 41.66 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.01 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

Instrument :

BNA_M

ClientSampleId :

SSTD04010

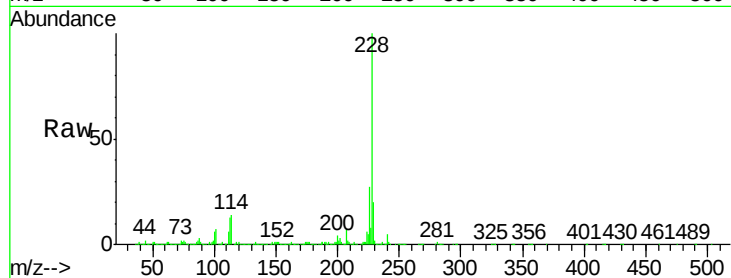
Tgt Ion:228 Resp: 2409780

Ion Ratio Lower Upper

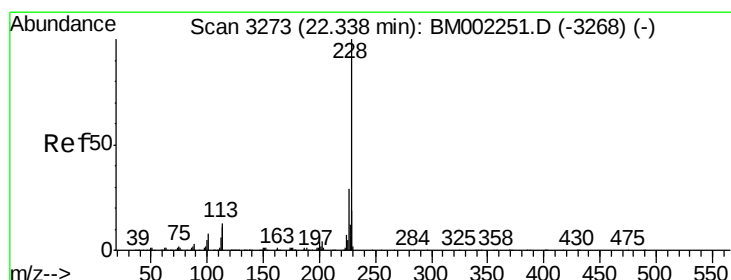
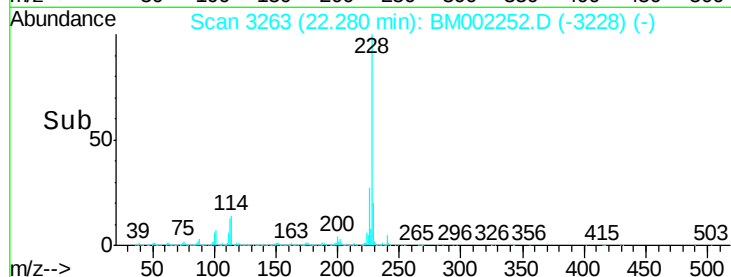
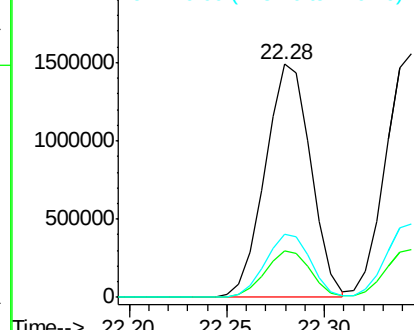
228 100

229 19.7 15.7 23.5

226 26.9 21.4 32.0



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



#21

Chrysene

Concen: 42.92 ng/ul

RT: 22.34 min Scan# 3274

Delta R.T. 0.01 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

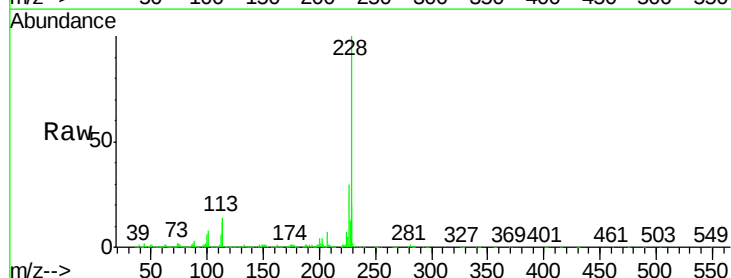
Tgt Ion:228 Resp: 2292640

Ion Ratio Lower Upper

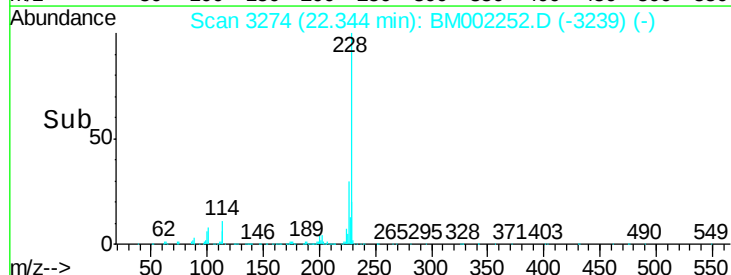
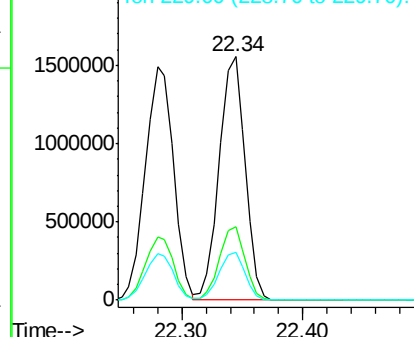
228 100

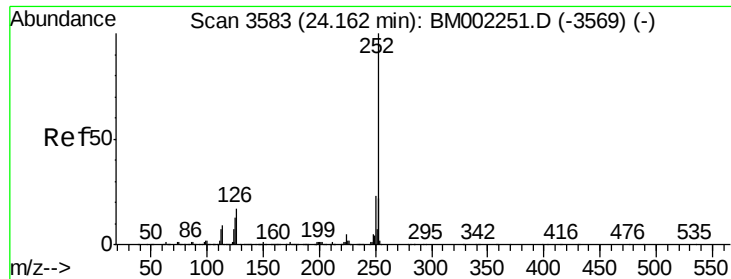
226 30.0 23.4 35.0

229 19.8 15.5 23.3



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





#23

Benzo(b)fluoranthene

Concen: 41.51 ng/ul

RT: 24.17 min Scan# 3584

Delta R.T. 0.01 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

Instrument :

BNA_M

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SSTD04010

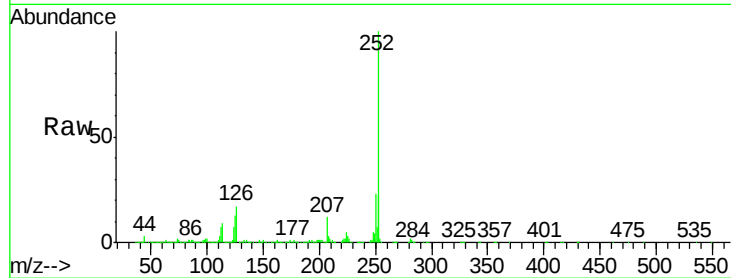
Tgt Ion:252 Resp: 2452575

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

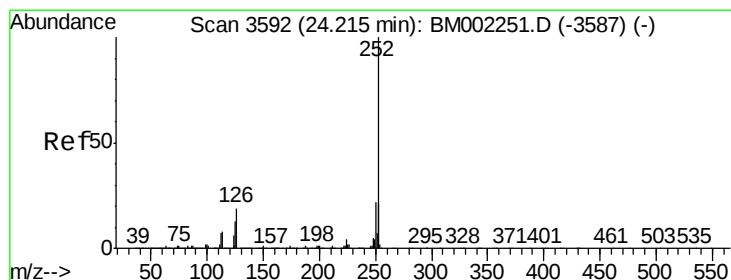
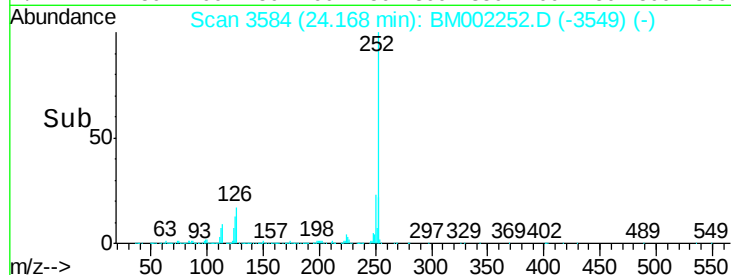
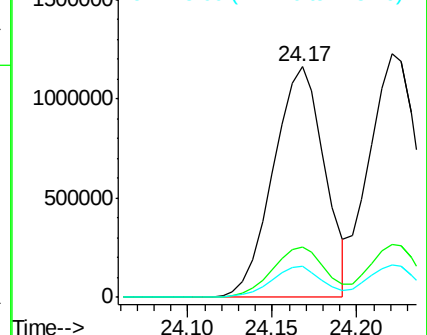
125 13.3 10.3 15.5



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



#24

Benzo(k)fluoranthene

Concen: 42.36 ng/ul

RT: 24.22 min Scan# 3593

Delta R.T. 0.01 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

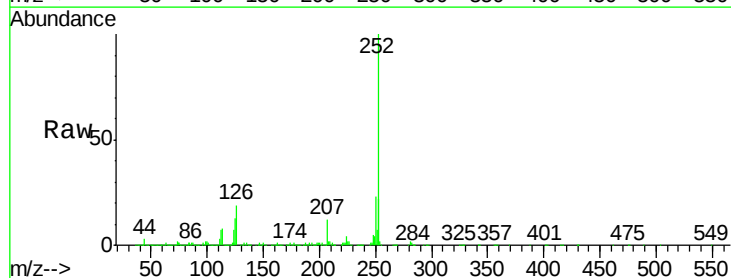
Tgt Ion:252 Resp: 2440943

Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

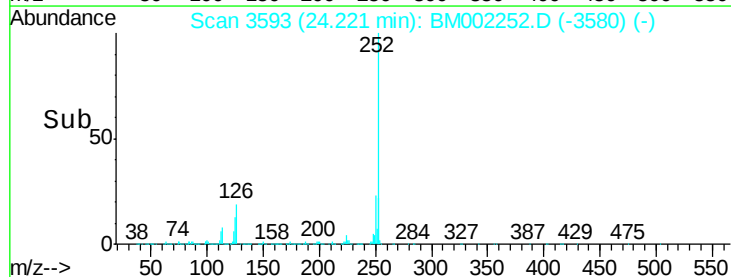
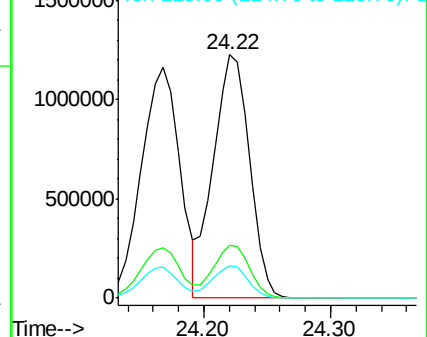
125 13.4 10.2 15.4

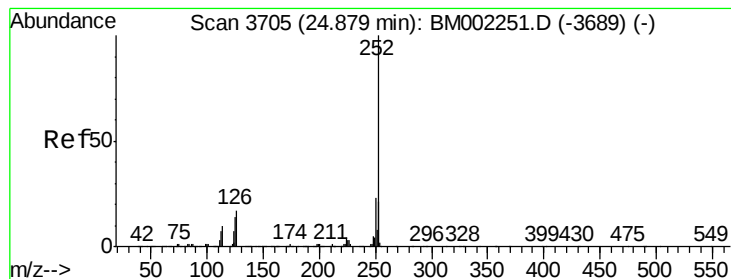


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 42.25 ng/ul

RT: 24.89 min Scan# 3706

Delta R.T. 0.01 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

Instrument :

BNA_M

ClientSampleId :

SSTD04010

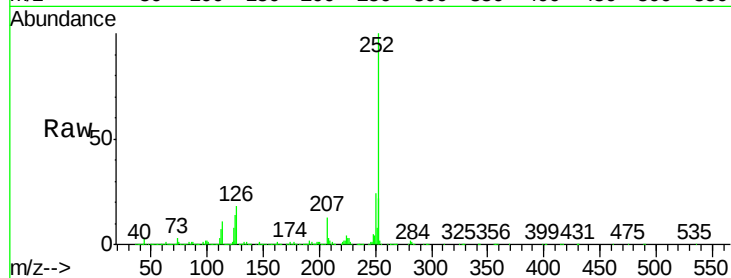
Tgt Ion:252 Resp: 2390640

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

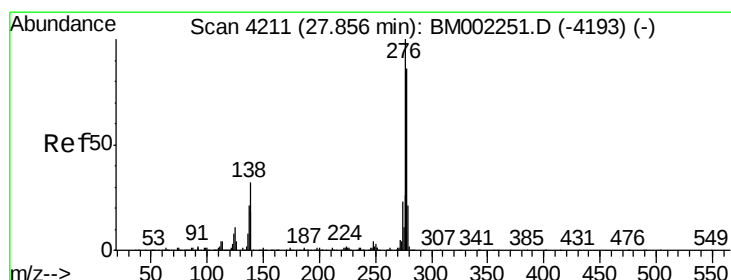
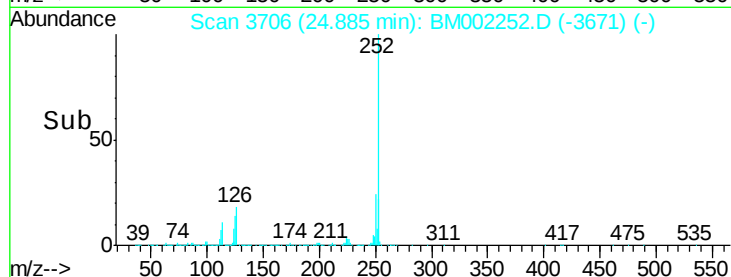
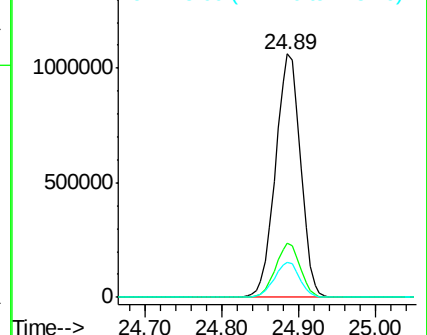
125 14.4 11.0 16.6



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 43.40 ng/ul

RT: 27.87 min Scan# 4214

Delta R.T. 0.02 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

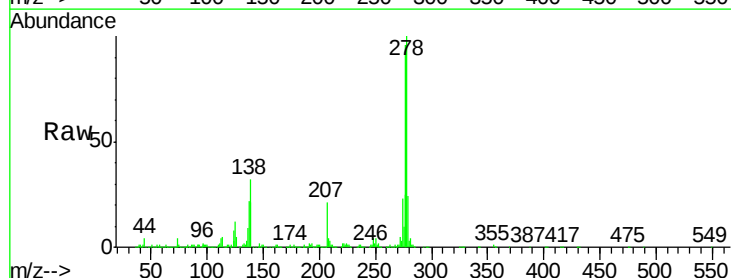
Tgt Ion:276 Resp: 2782114

Ion Ratio Lower Upper

276 100

138 33.8 25.6 38.4

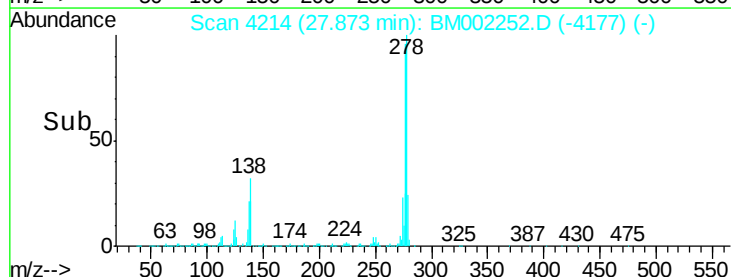
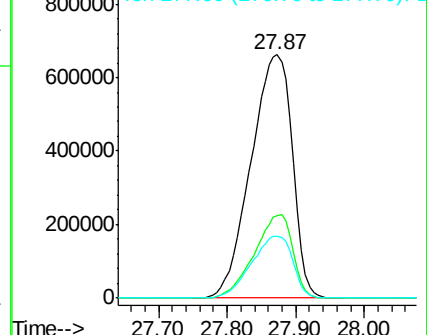
277 25.6 21.0 31.4

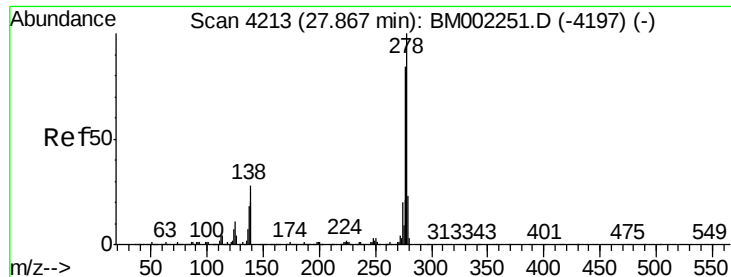


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 42.98 ng/ul

RT: 27.89 min Scan# 4216

Delta R.T. 0.02 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

Instrument :

BNA_M

ClientSampleId :

SSTD04010

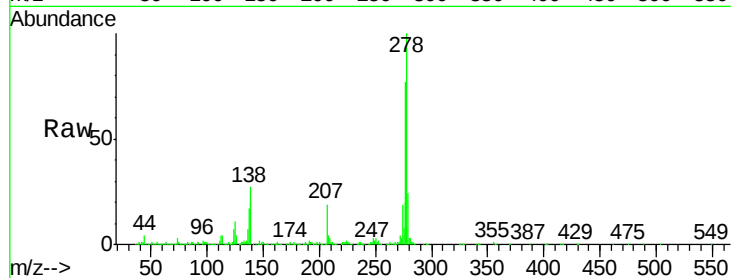
Tgt Ion:278 Resp: 2342005

Ion Ratio Lower Upper

278 100

139 20.3 16.4 24.6

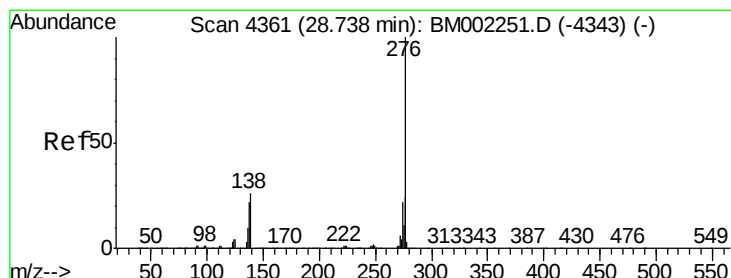
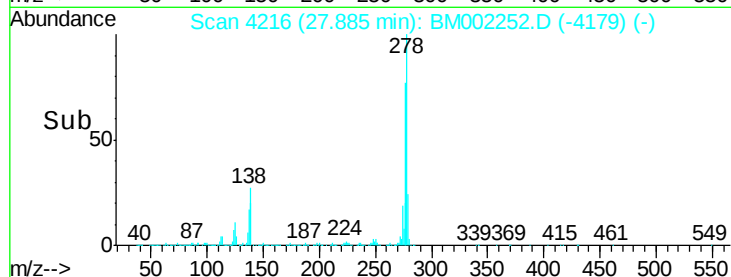
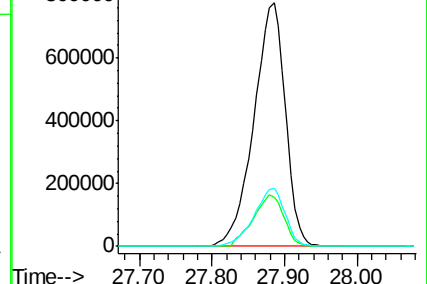
279 24.0 18.8 28.2



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



#29

Benzo(g,h,i)perylene

Concen: 44.21 ng/ul

RT: 28.76 min Scan# 4364

Delta R.T. 0.02 min

Lab File: BM002252.D

Acq: 08 Aug 2015 00:06

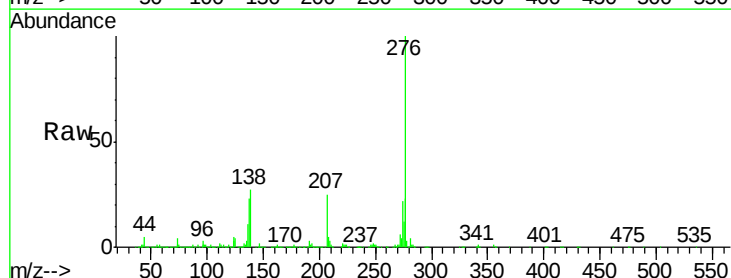
Tgt Ion:276 Resp: 2365085

Ion Ratio Lower Upper

276 100

138 27.1 20.5 30.7

277 23.2 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

