

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
 Data File : BM002251.D
 Acq On : 07 Aug 2015 23:30
 Operator : TP/UM
 Sample : SST02009
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST02009

Quant Time: Aug 08 04:19:19 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	8.92	152	144744	20.00	ng/ul	0.00
2) Naphthalene-d8	11.80	136	711684	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	404680	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	874240	20.00	ng/ul	0.00
17) Chrysene-d12	22.30	240	897744	20.00	ng/ul	0.00
22) Perylene-d12	25.00	264	906614	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	15.21	160	861145	22.31	ng/ul	0.00
10) Fluorene-d10	16.47	176	599748	22.21	ng/ul	0.00
14) Anthracene-d10	18.31	188	877086	21.80	ng/ul	0.00
18) Pyrene-d10	20.52	212	902080	20.74	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	979776	21.57	ng/ul	0.00

Target Compounds

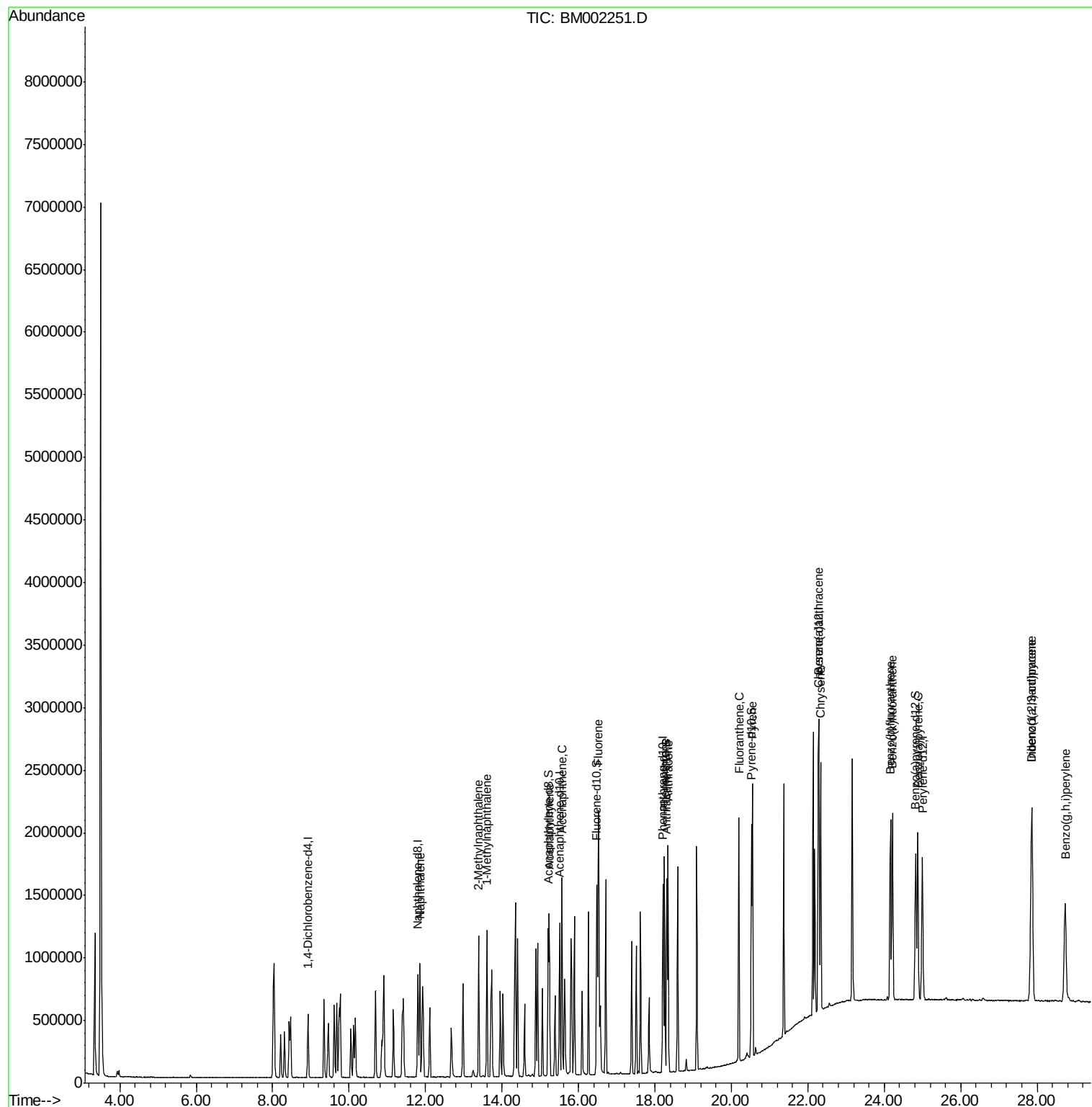
						Qvalue
3) Naphthalene	11.85	128	763849	21.97	ng/ul	100
4) 2-Methylnaphthalene	13.39	142	547951	20.76	ng/ul	100
5) 1-Methylnaphthalene	13.60	142	544505	21.42	ng/ul	100
8) Acenaphthylene	15.23	152	897033	22.66	ng/ul	100
9) Acenaphthene	15.57	153	605189	23.22	ng/ul	100
11) Fluorene	16.53	166	679993	22.15	ng/ul	100
13) Phenanthrene	18.25	178	1041828	22.33	ng/ul	100
15) Anthracene	18.34	178	1078910	22.56	ng/ul	100
16) Fluoranthene	20.20	202	1167324	22.58	ng/ul	100
19) Pyrene	20.55	202	1207938	21.47	ng/ul	100
20) Benzo(a)anthracene	22.27	228	1127424	21.77	ng/ul	100
21) Chrysene	22.34	228	1065880	22.28	ng/ul	100
23) Benzo(b)fluoranthene	24.16	252	1134435	21.55	ng/ul	100
24) Benzo(k)fluoranthene	24.21	252	1126423	21.94	ng/ul	100
26) Benzo(a)pyrene	24.88	252	1103482	21.88	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	27.86	276	1295255	22.67	ng/ul	100
28) Dibenzo(a,h)anthracene	27.87	278	1099668	22.64	ng/ul	100
29) Benzo(g,h,i)perylene	28.74	276	1098876	23.05	ng/ul	100

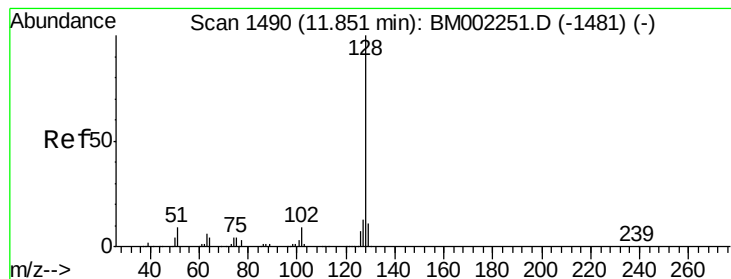
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 21.97 ng/ul

RT: 11.85 min Scan# 1490

Delta R.T. 0.00 min

Lab File: BM002251.D

Acq: 07 Aug 2015 23:30

Instrument :

BNA_M

ClientSampleId :

SSTD02009

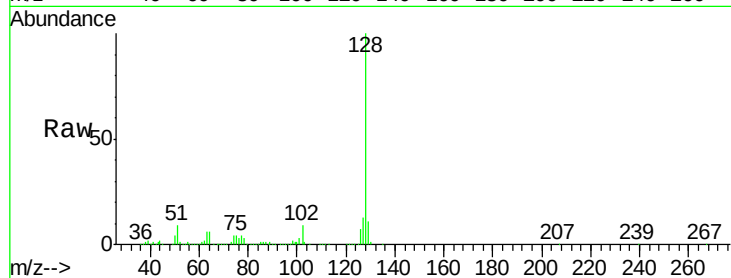
Tgt Ion:128 Resp: 763849

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

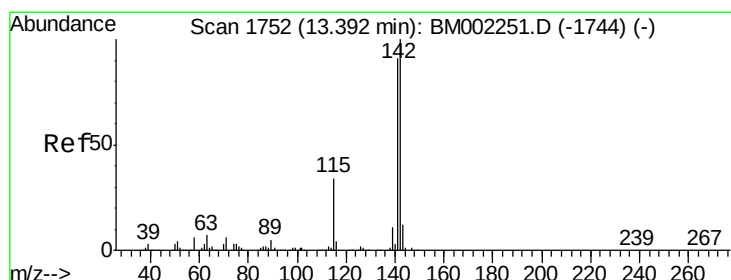
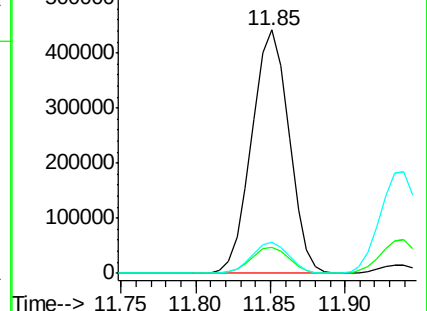
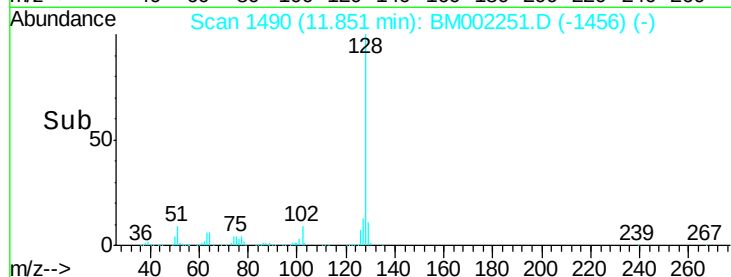
127 13.0 10.4 15.6



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: 20.76 ng/ul

RT: 13.39 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BM002251.D

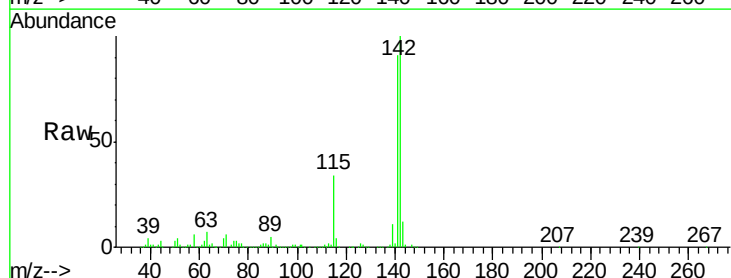
Acq: 07 Aug 2015 23:30

Tgt Ion:142 Resp: 547951

Ion Ratio Lower Upper

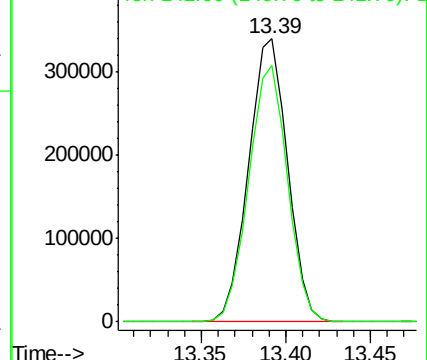
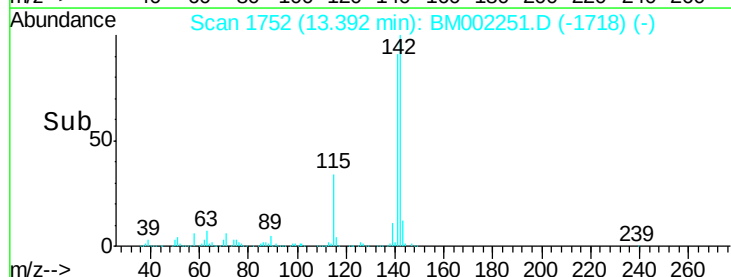
142 100

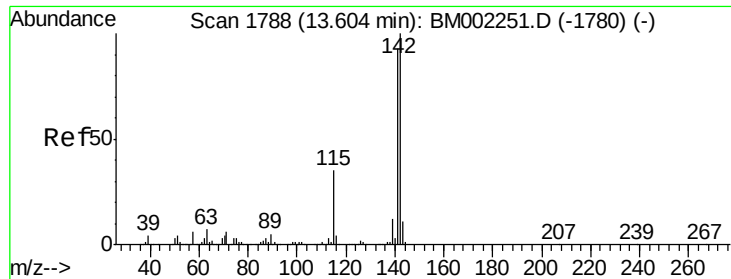
141 90.6 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 21.42 ng/ul

RT: 13.60 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BM002251.D

Acq: 07 Aug 2015 23:30

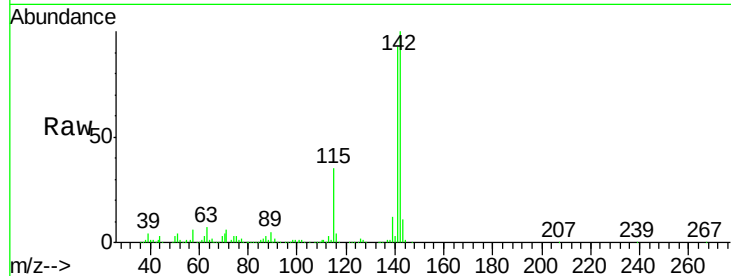
Instrument :

BNA_M

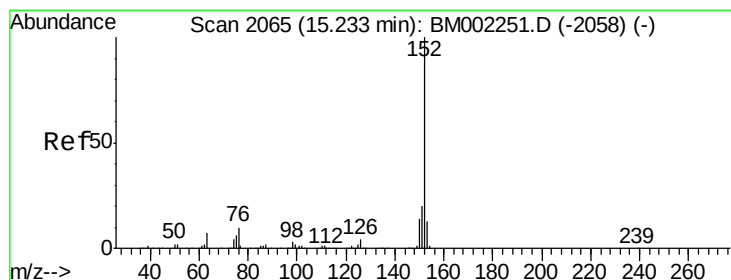
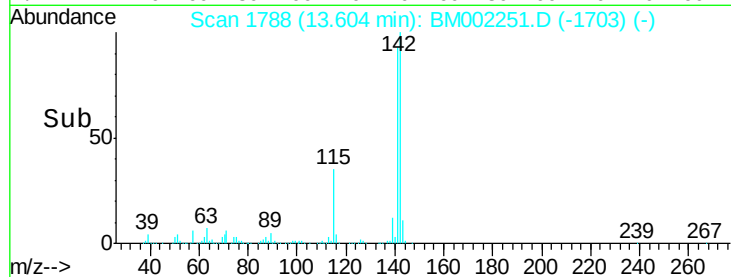
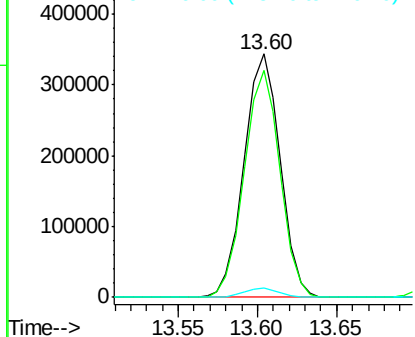
ClientSampleId :

SSTD02009

Tgt Ion:	142	Resp:	544505
Ion	Ratio	Lower	Upper
142	100		
141	93.1	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: 22.66 ng/ul

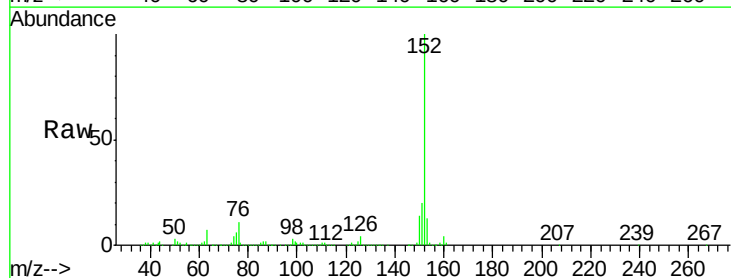
RT: 15.23 min Scan# 2065

Delta R.T. 0.00 min

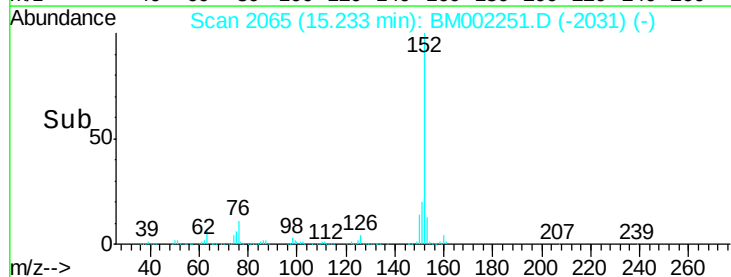
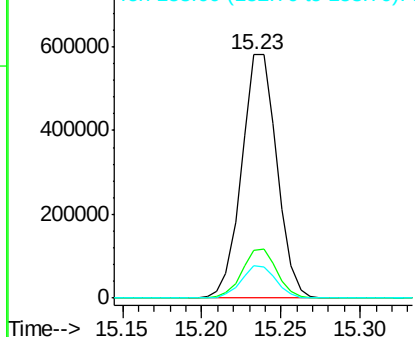
Lab File: BM002251.D

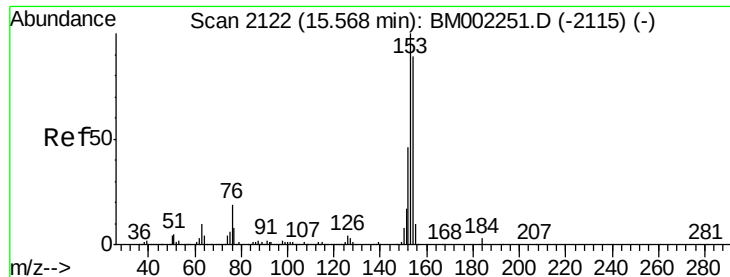
Acq: 07 Aug 2015 23:30

Tgt Ion:	152	Resp:	897033
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.2	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: 23.22 ng/ul

RT: 15.57 min Scan# 2122

Delta R.T. 0.00 min

Lab File: BM002251.D

Acq: 07 Aug 2015 23:30

Instrument :

BNA_M

ClientSampleId :

SSTD02009

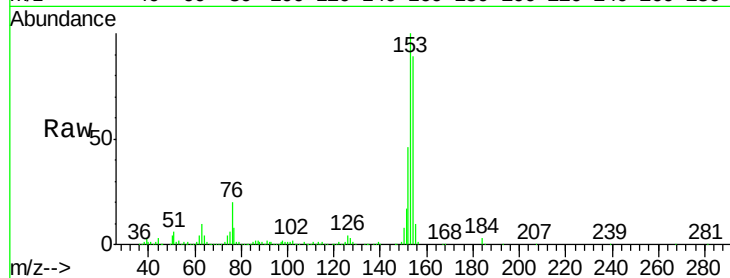
Tgt Ion:153 Resp: 605189

Ion Ratio Lower Upper

153 100

152 45.8 36.6 55.0

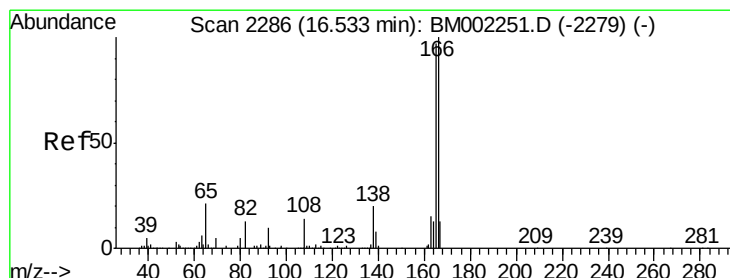
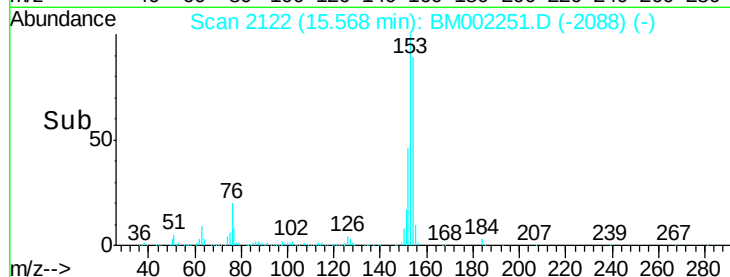
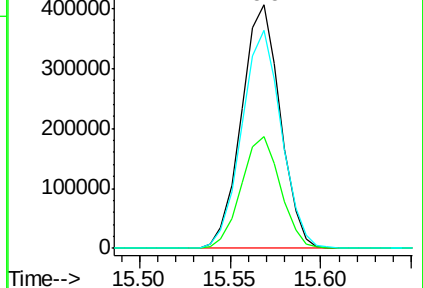
154 89.4 71.5 107.3



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: 22.15 ng/ul

RT: 16.53 min Scan# 2286

Delta R.T. 0.00 min

Lab File: BM002251.D

Acq: 07 Aug 2015 23:30

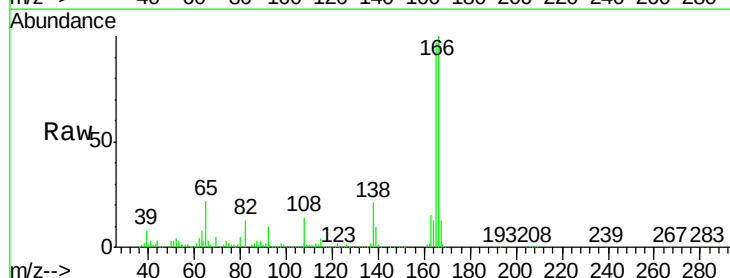
Tgt Ion:166 Resp: 679993

Ion Ratio Lower Upper

166 100

165 96.9 77.5 116.3

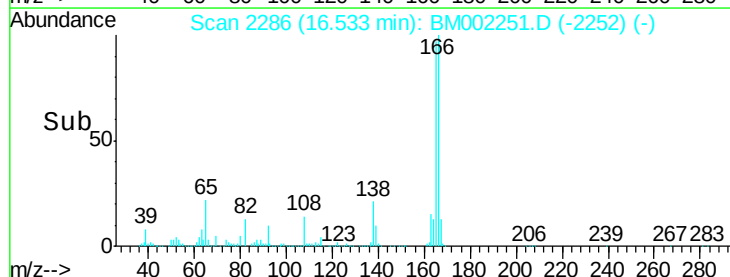
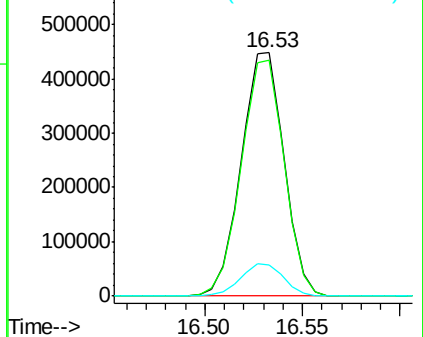
167 13.0 10.4 15.6

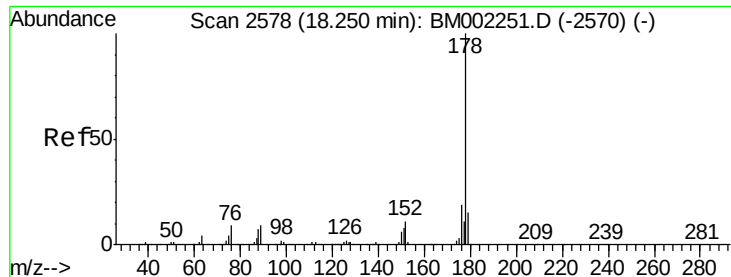


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

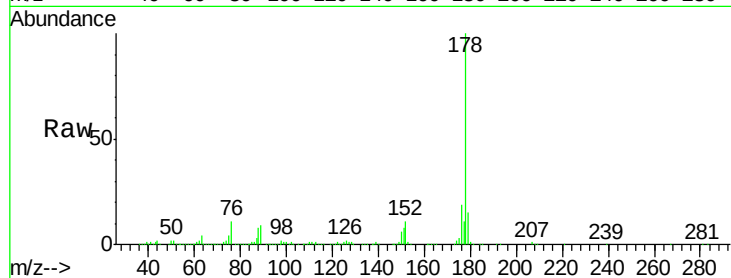




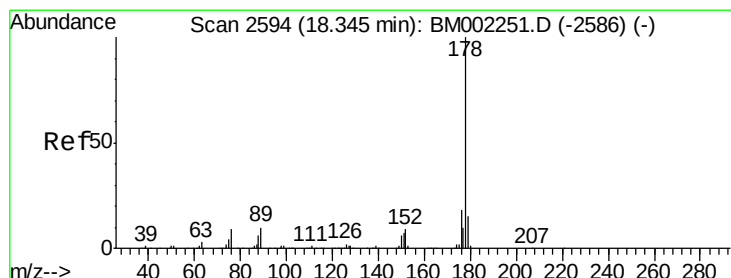
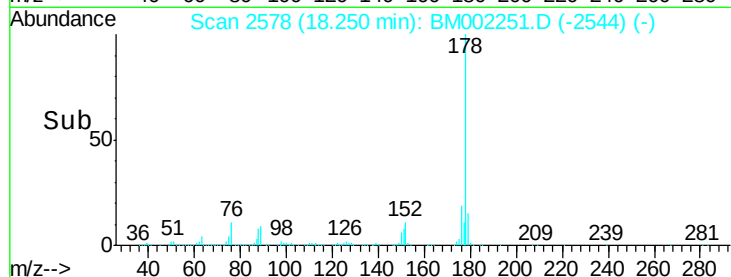
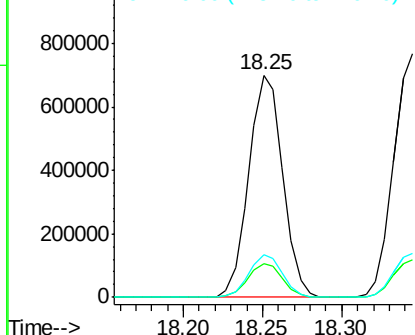
#13
Phenanthrene
Concen: 22.33 ng/ul
RT: 18.25 min Scan# 2578
Delta R.T. 0.00 min
Lab File: BM002251.D
Acq: 07 Aug 2015 23:30

Instrument :
BNA_M
ClientSampleId :
SSTD02009

Tgt Ion:178 Resp: 1041828
Ion Ratio Lower Upper
178 100
179 15.4 12.3 18.5
176 19.1 15.3 22.9

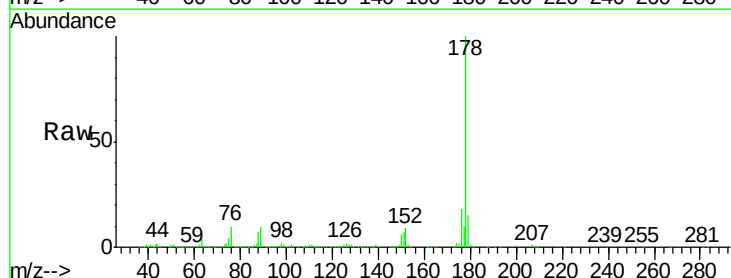


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

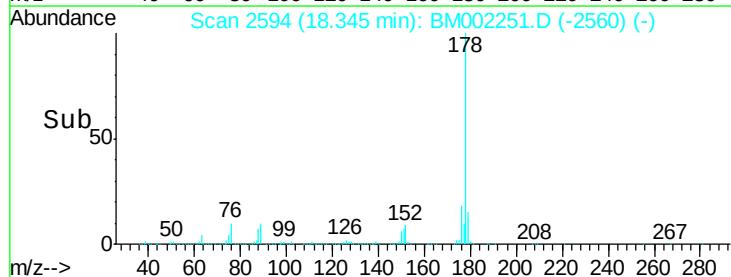
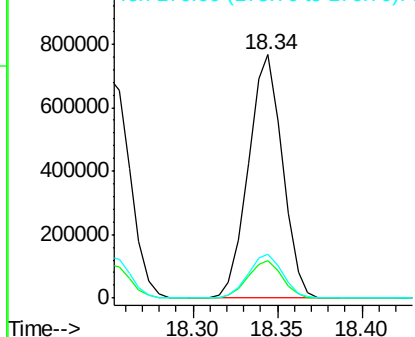


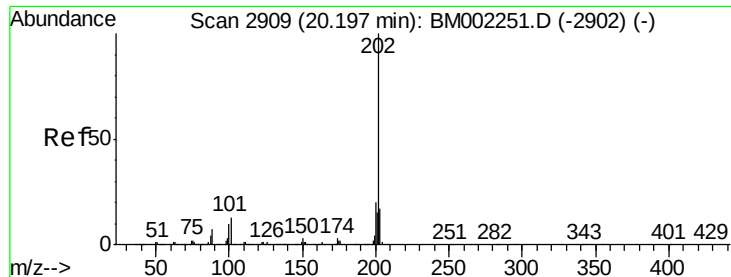
#15
Anthracene
Concen: 22.56 ng/ul
RT: 18.34 min Scan# 2594
Delta R.T. 0.00 min
Lab File: BM002251.D
Acq: 07 Aug 2015 23:30

Tgt Ion:178 Resp: 1078910
Ion Ratio Lower Upper
178 100
179 15.4 12.3 18.5
176 18.1 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

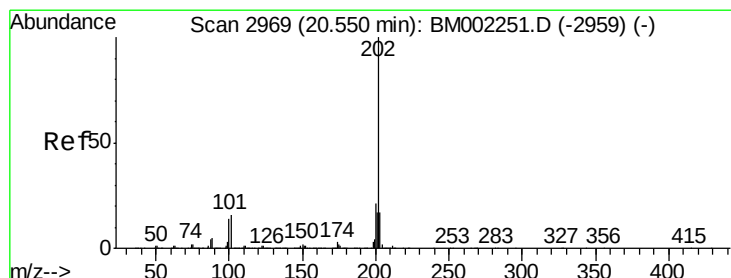
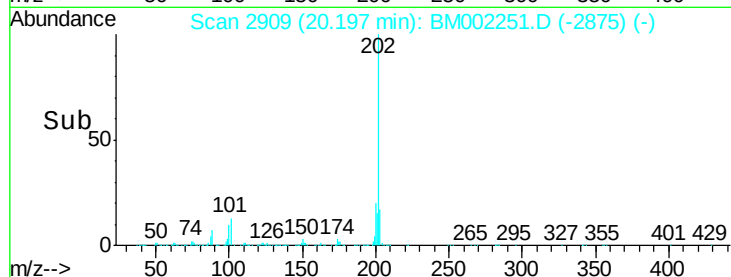
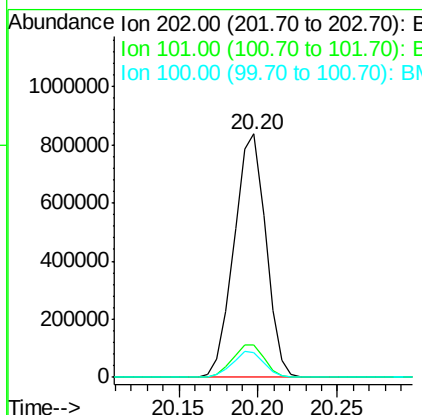
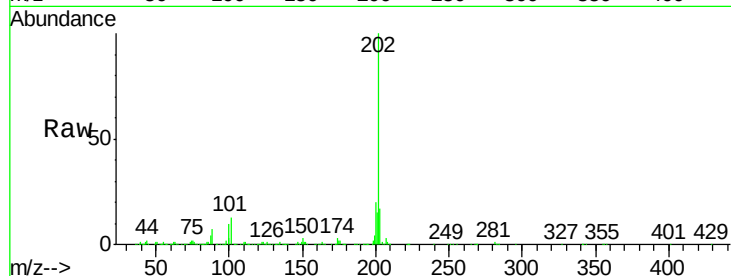




#16
Fluoranthene
Concen: 22.58 ng/ul
RT: 20.20 min Scan# 2909
Delta R.T. 0.00 min
Lab File: BM002251.D
Acq: 07 Aug 2015 23:30

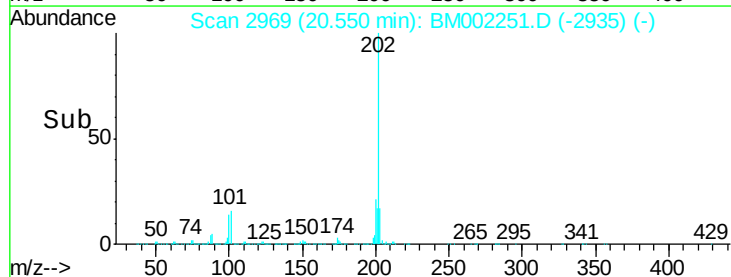
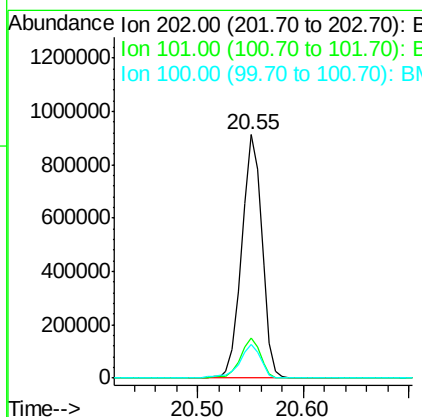
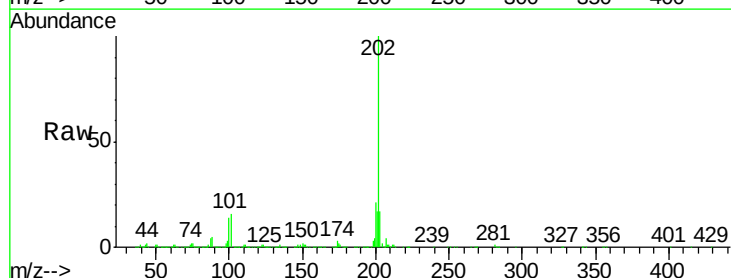
Instrument :
BNA_M
ClientSampleId :
SSTD02009

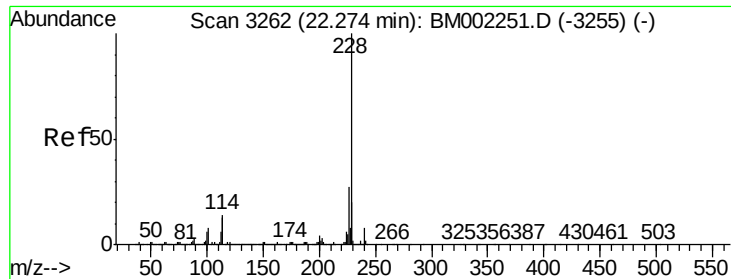
Tgt Ion:202 Resp: 1167324
Ion Ratio Lower Upper
202 100
101 13.2 10.6 15.8
100 10.3 8.2 12.4



#19
Pyrene
Concen: 21.47 ng/ul
RT: 20.55 min Scan# 2969
Delta R.T. 0.00 min
Lab File: BM002251.D
Acq: 07 Aug 2015 23:30

Tgt Ion:202 Resp: 1207938
Ion Ratio Lower Upper
202 100
101 16.3 13.0 19.6
100 13.7 11.0 16.4





#20

Benzo(a)anthracene

Concen: 21.77 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. 0.00 min

Lab File: BM002251.D

Acq: 07 Aug 2015 23:30

Instrument :

BNA_M

ClientSampleId :

SSTD02009

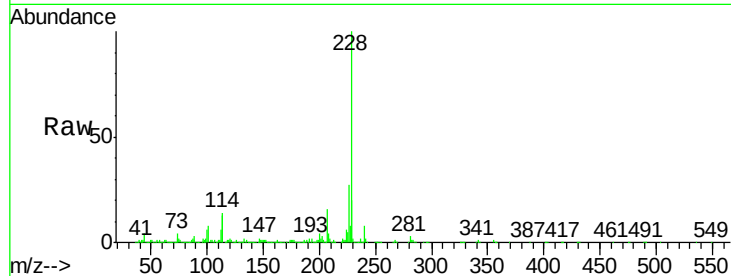
Tgt Ion:228 Resp: 1127424

Ion Ratio Lower Upper

228 100

229 19.6 15.7 23.5

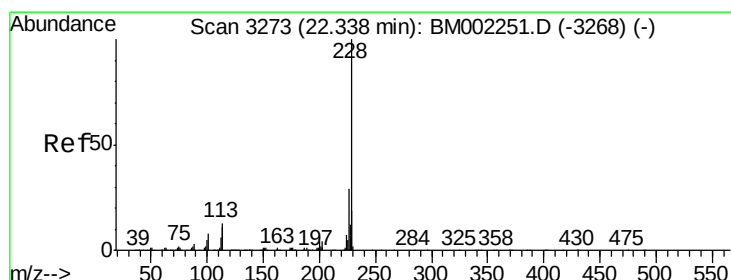
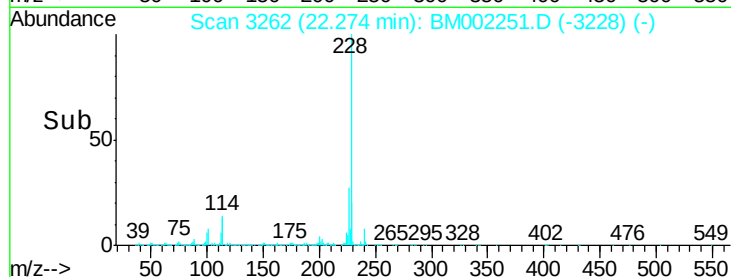
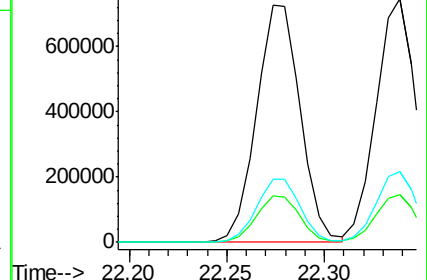
226 26.7 21.4 32.0



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: 22.28 ng/ul

RT: 22.34 min Scan# 3273

Delta R.T. 0.00 min

Lab File: BM002251.D

Acq: 07 Aug 2015 23:30

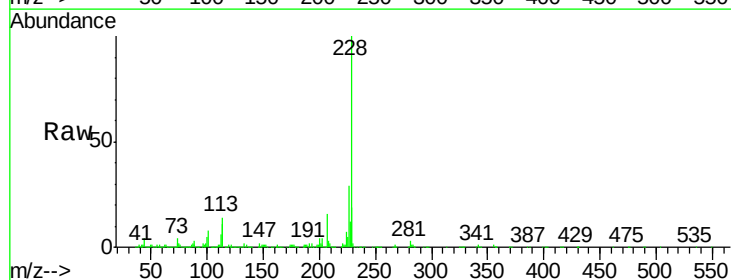
Tgt Ion:228 Resp: 1065880

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.0

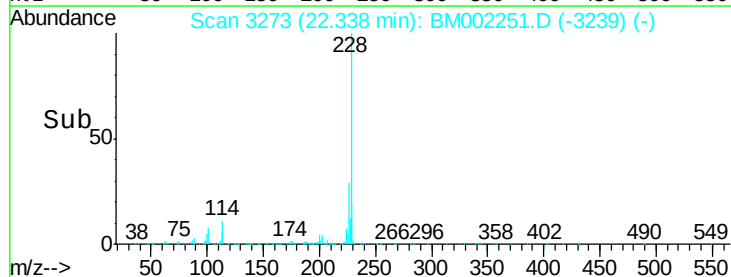
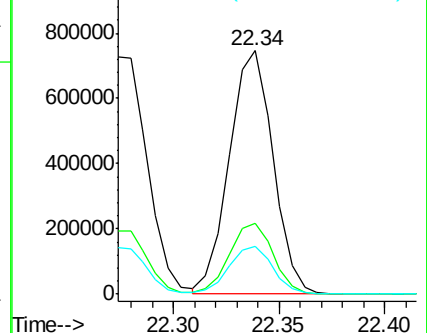
229 19.4 15.5 23.3

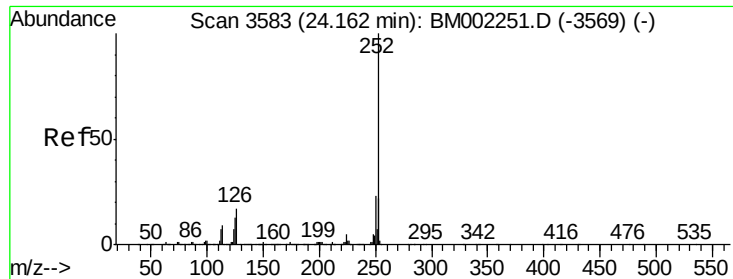


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 21.55 ng/ul

RT: 24.16 min Scan# 3583

Delta R.T. 0.00 min

Lab File: BM002251.D

Acq: 07 Aug 2015 23:30

Instrument :

BNA_M

ClientSampleId :

SSTD02009

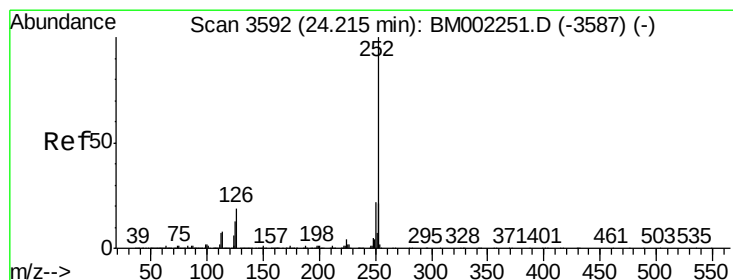
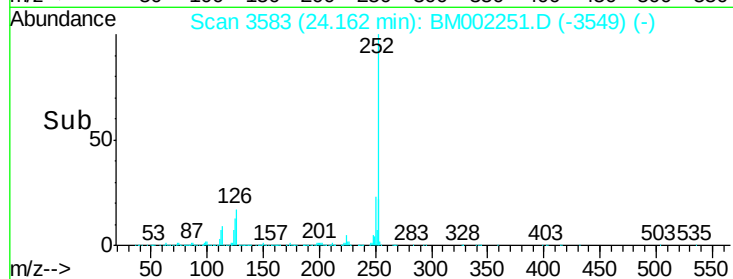
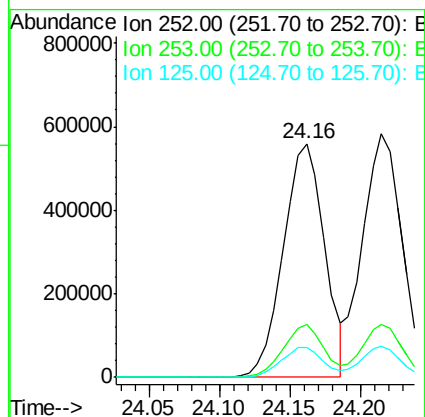
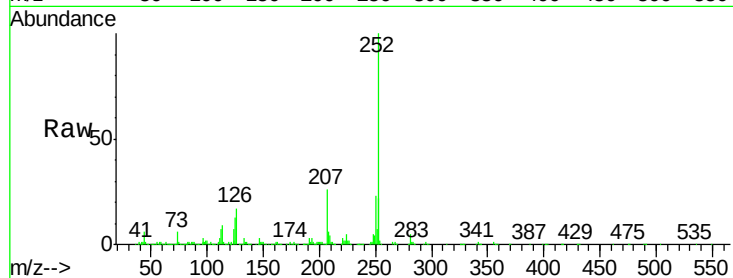
Tgt Ion:252 Resp: 1134435

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 12.9 10.3 15.5



#24

Benzo(k)fluoranthene

Concen: 21.94 ng/ul

RT: 24.21 min Scan# 3592

Delta R.T. 0.00 min

Lab File: BM002251.D

Acq: 07 Aug 2015 23:30

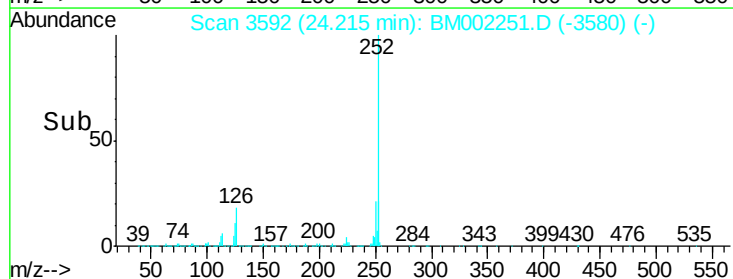
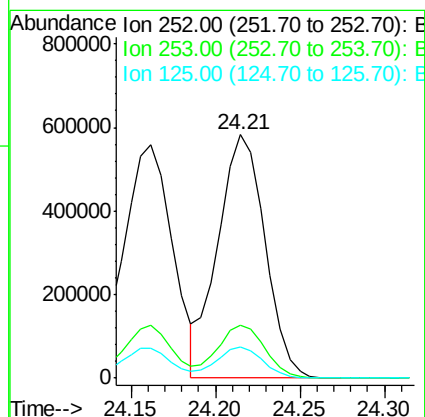
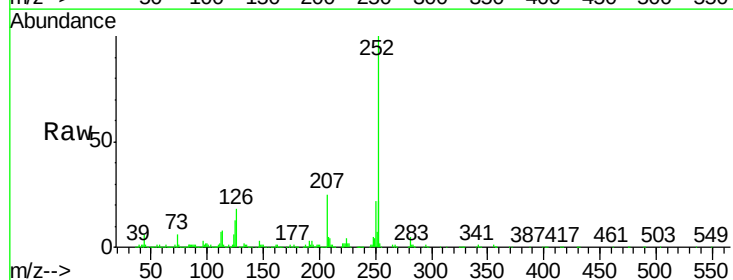
Tgt Ion:252 Resp: 1126423

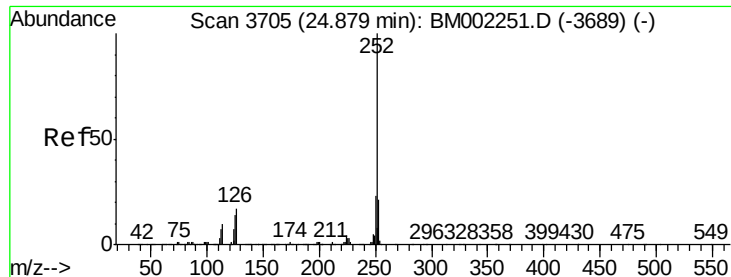
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 12.8 10.2 15.4

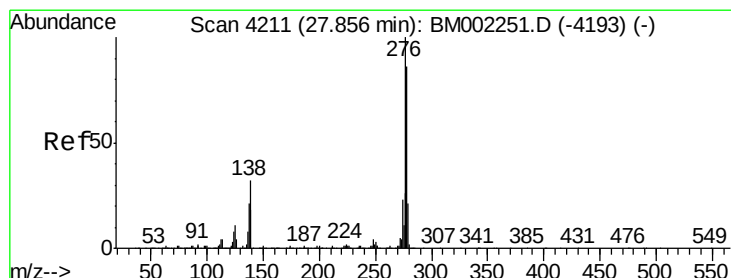
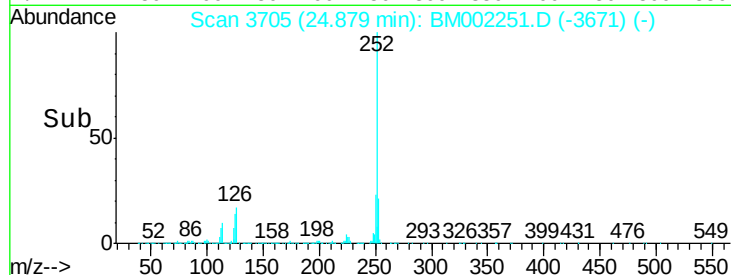
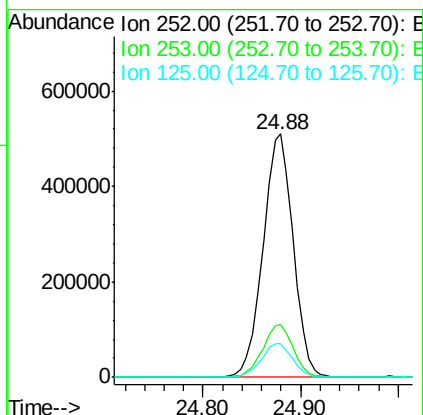
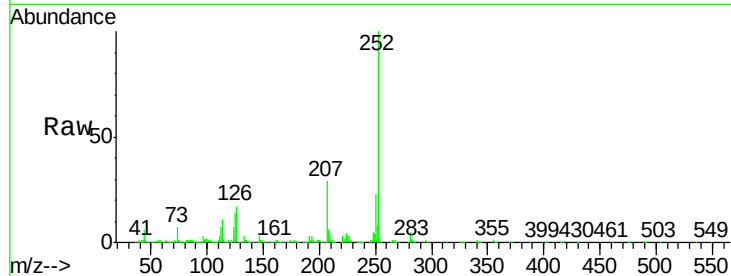




#26
Benzo(a)pyrene
Concen: 21.88 ng/ul
RT: 24.88 min Scan# 3705
Delta R.T. 0.00 min
Lab File: BM002251.D
Acq: 07 Aug 2015 23:30

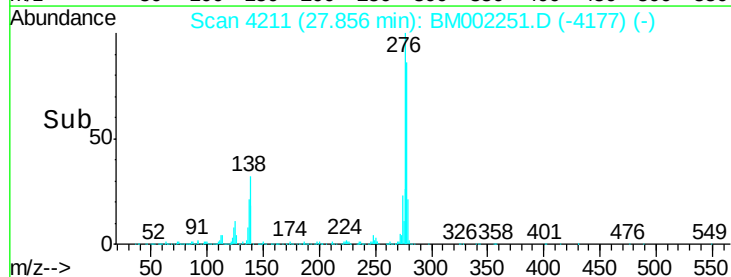
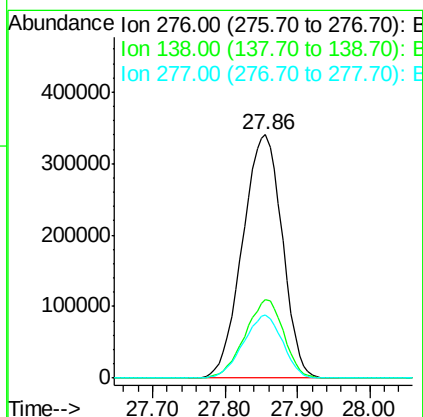
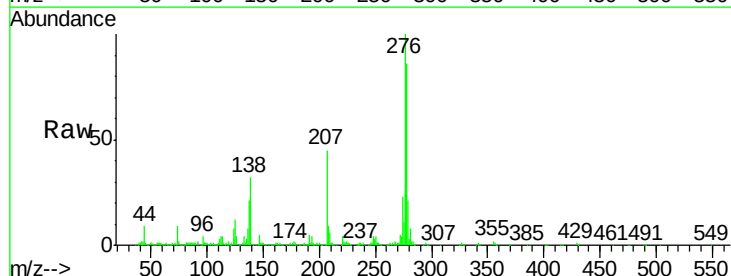
Instrument :
BNA_M
ClientSampleId :
SSTD02009

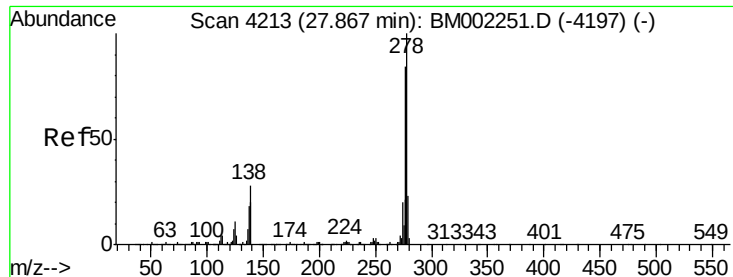
Tgt Ion:252 Resp: 1103482
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 13.8 11.0 16.6



#27
Indeno(1,2,3-cd)pyrene
Concen: 22.67 ng/ul
RT: 27.86 min Scan# 4211
Delta R.T. 0.00 min
Lab File: BM002251.D
Acq: 07 Aug 2015 23:30

Tgt Ion:276 Resp: 1295255
Ion Ratio Lower Upper
276 100
138 32.0 25.6 38.4
277 26.2 21.0 31.4





#28

Dibenzo(a,h)anthracene

Concen: 22.64 ng/ul

RT: 27.87 min Scan# 4213

Delta R.T. 0.00 min

Lab File: BM002251.D

Acq: 07 Aug 2015 23:30

Instrument :

BNA_M

ClientSampleId :

SSTD02009

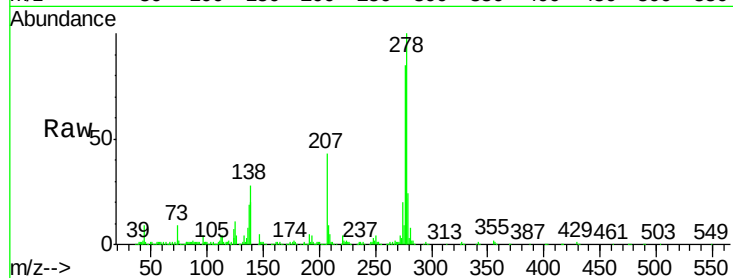
Tgt Ion:278 Resp: 1099668

Ion Ratio Lower Upper

278 100

139 20.5 16.4 24.6

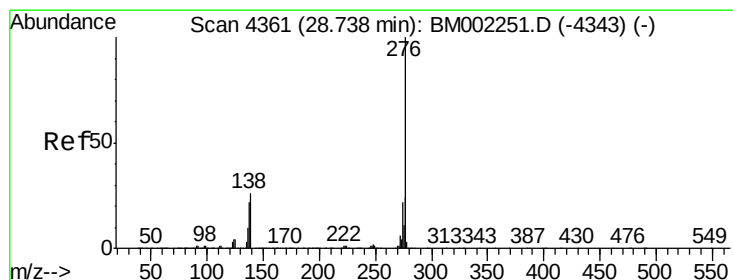
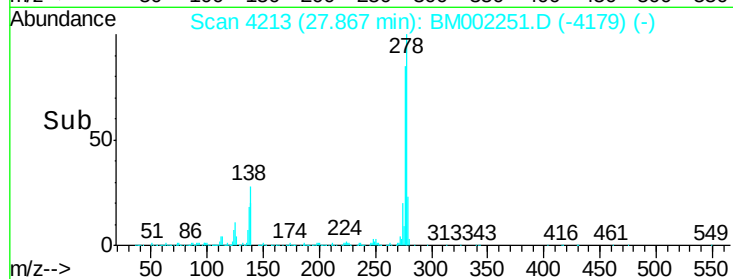
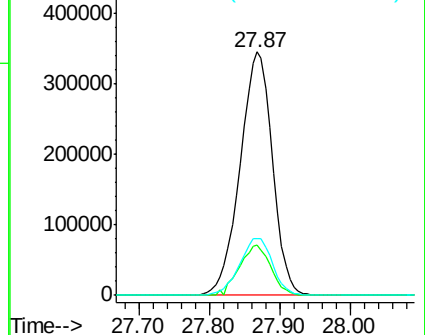
279 23.5 18.8 28.2



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: 23.05 ng/ul

RT: 28.74 min Scan# 4361

Delta R.T. 0.00 min

Lab File: BM002251.D

Acq: 07 Aug 2015 23:30

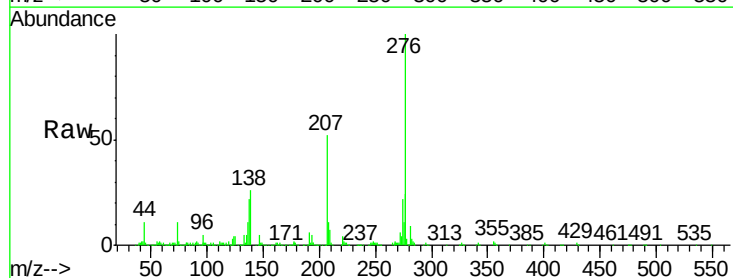
Tgt Ion:276 Resp: 1098876

Ion Ratio Lower Upper

276 100

138 25.6 20.5 30.7

277 23.8 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

