

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030915\
 Data File : BM000667.D
 Acq On : 09 Mar 2015 18:57
 Operator : TP/IZ
 Sample : SSTD3.252
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.252

Quant Time: Mar 10 02:37:02 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM030915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 02:25:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	4997	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	17015	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	3975	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	16194	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	14118	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	12096	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	65564	2.90	ng/ul	-0.01
14) Fluoranthene-d10	19.09	212	106557	3.07	ng/ul	0.00

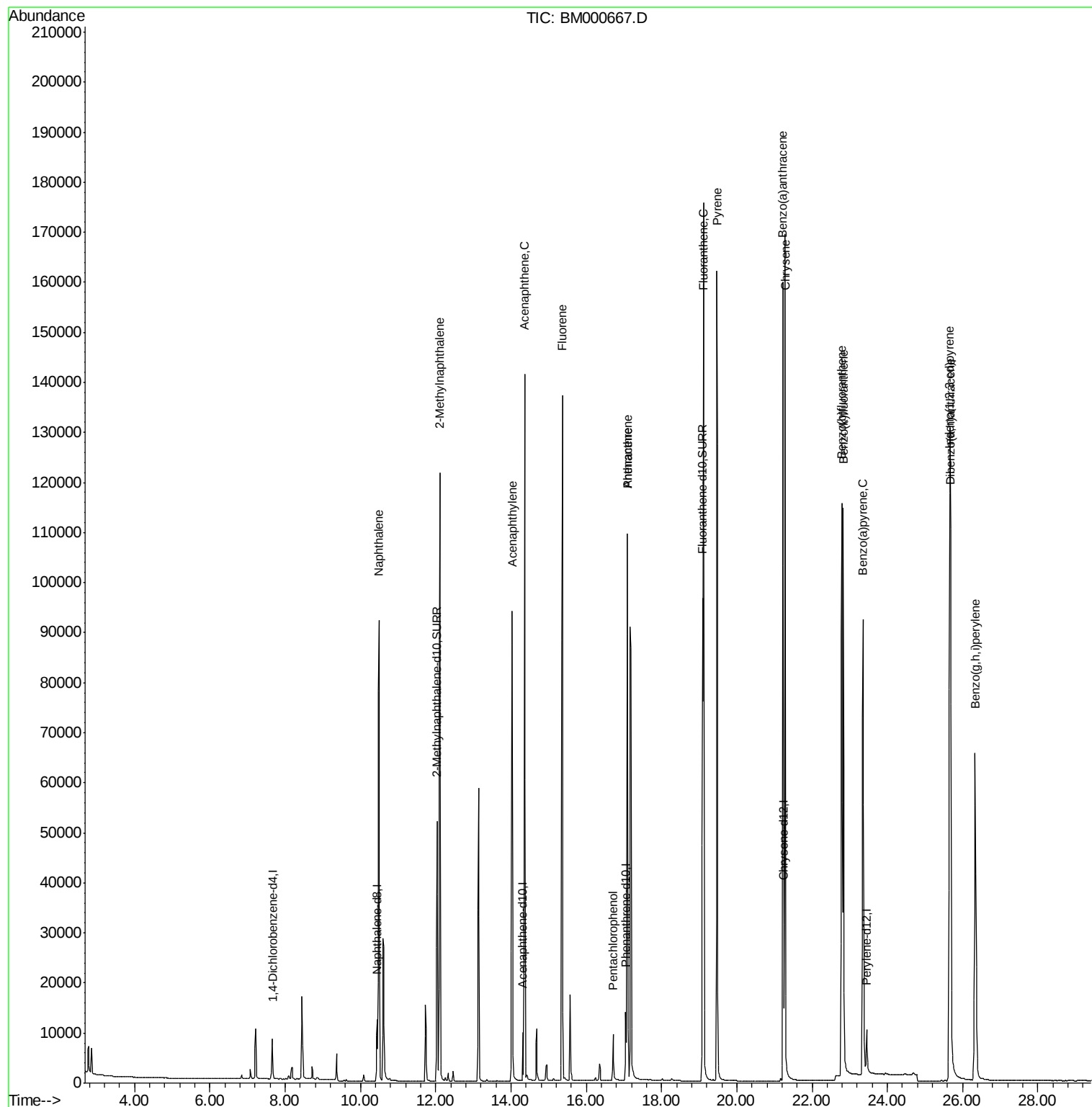
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	134224	3.10	ng/ul	98
5) 2-Methylnaphthalene	12.11	142	87919	2.91	ng/ul	100
7) Acenaphthylene	14.03	152	121216	6.48	ng/ul	97
8) Acenaphthene	14.36	153	87161	6.09	ng/ul	99
9) Fluorene	15.36	166	100472	5.74	ng/ul	97
11) Pentachlorophenol	16.71	266	7460	1.87	ng/ul	95
12) Phenanthrene	17.10	178	148307	3.19	ng/ul	98
13) Anthracene	17.10	178	148307	3.42	ng/ul	98
15) Fluoranthene	19.11	202	168427	3.20	ng/ul	98
17) Pyrene	19.48	202	166444	2.64	ng/ul	99
18) Benzo(a)anthracene	21.23	228	141325	3.18	ng/ul	98
19) Chrysene	21.28	228	150907	3.09	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	148361	3.28	ng/ul	94
22) Benzo(k)fluoranthene	22.83	252	136315	3.03	ng/ul	94
23) Benzo(a)pyrene	23.35	252	132105	3.21	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	25.66	276	151571	3.76	ng/ul	99
25) Dibenzo(a,h)anthracene	25.68	278	123529	3.85	ng/ul	94
26) Benzo(g,h,i)perylene	26.33	276	130799	3.72	ng/ul	98

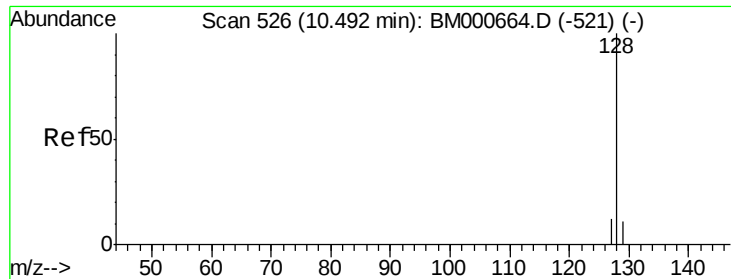
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.10 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. -0.00 min

Lab File: BM000667.D

Acq: 09 Mar 2015 18:57

Instrument :

BNA_M

ClientSampleId :

SSTD3.252

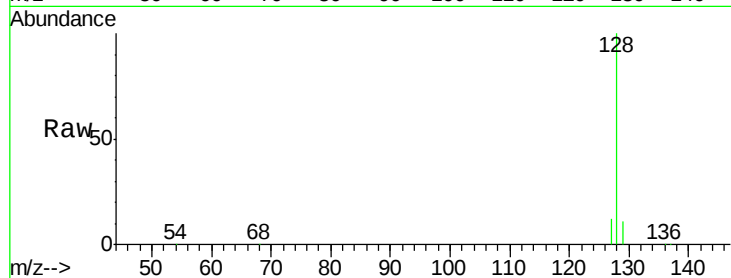
Tgt Ion:128 Resp: 134224

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

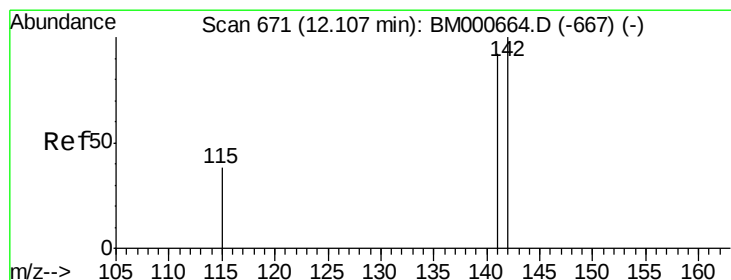
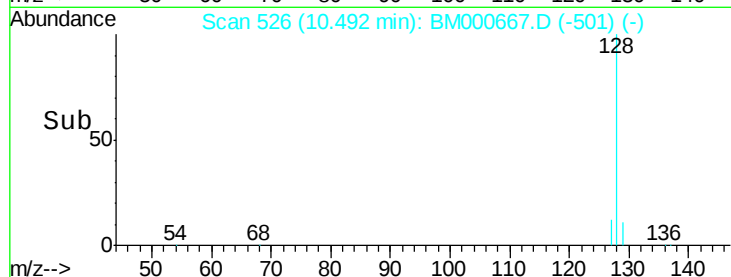
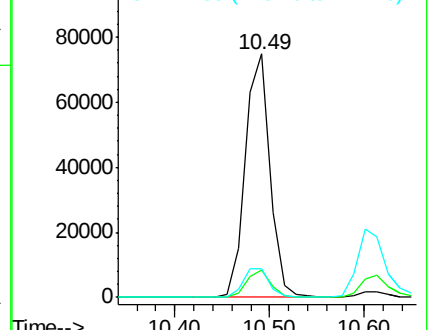
127 11.8 10.1 15.1



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



#5

2-Methylnaphthalene

Concen: 2.91 ng/ul

RT: 12.11 min Scan# 671

Delta R.T. -0.00 min

Lab File: BM000667.D

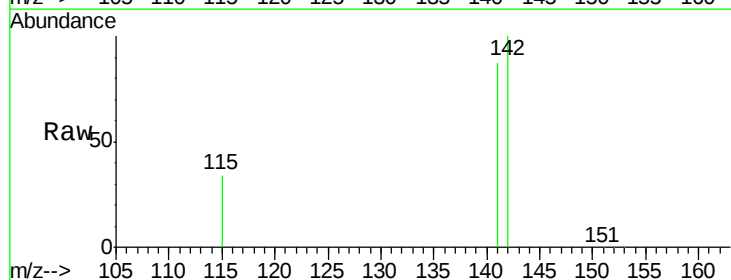
Acq: 09 Mar 2015 18:57

Tgt Ion:142 Resp: 87919

Ion Ratio Lower Upper

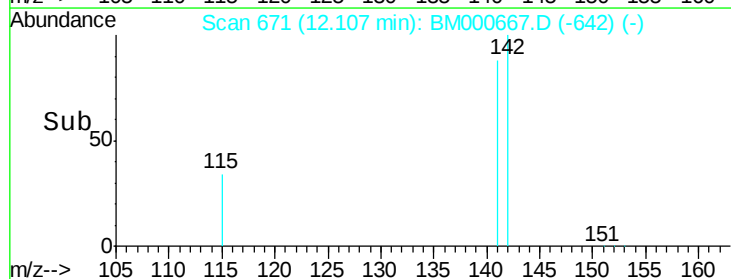
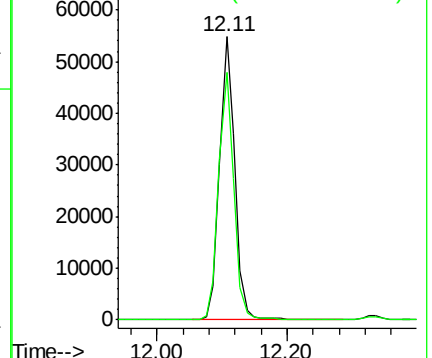
142 100

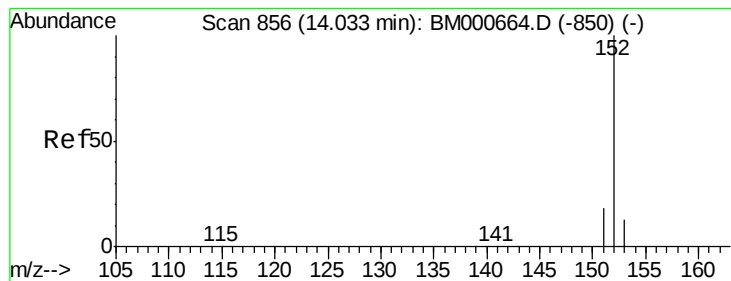
141 87.8 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 6.48 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM000667.D

Acq: 09 Mar 2015 18:57

Instrument :

BNA_M

ClientSampleId :

SSTD3.252

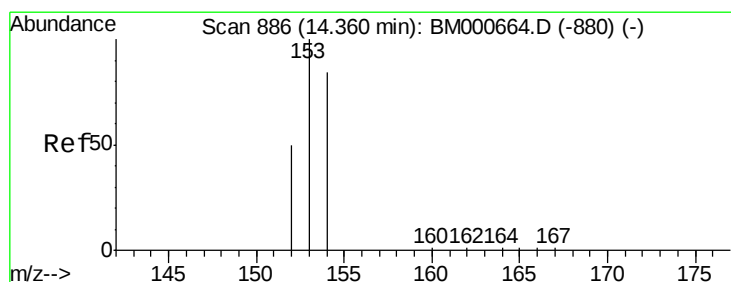
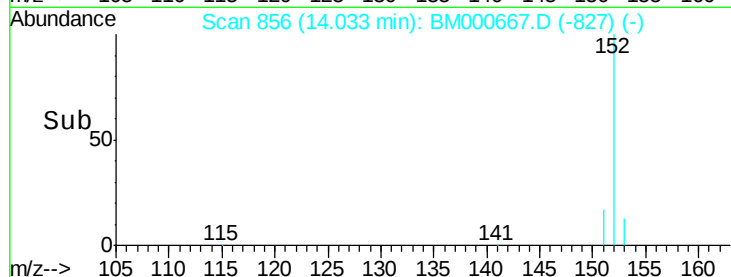
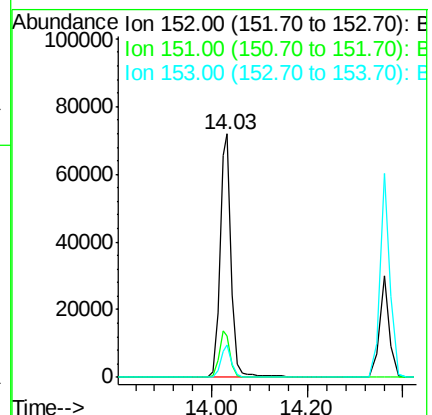
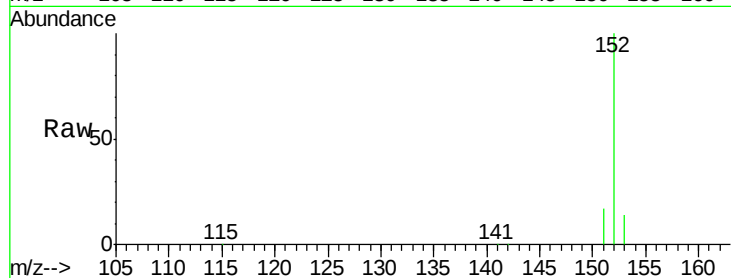
Tgt Ion:152 Resp: 121216

Ion Ratio Lower Upper

152 100

151 17.2 15.0 22.6

153 13.5 11.3 16.9



#8

Acenaphthene

Concen: 6.09 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. -0.00 min

Lab File: BM000667.D

Acq: 09 Mar 2015 18:57

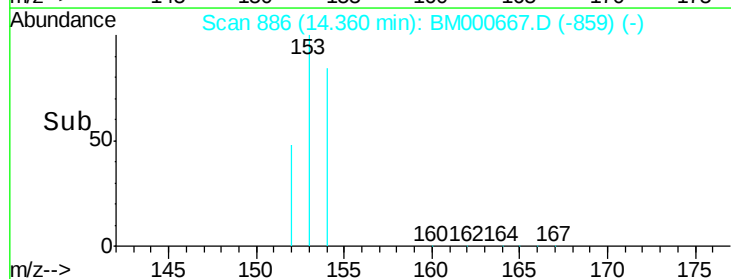
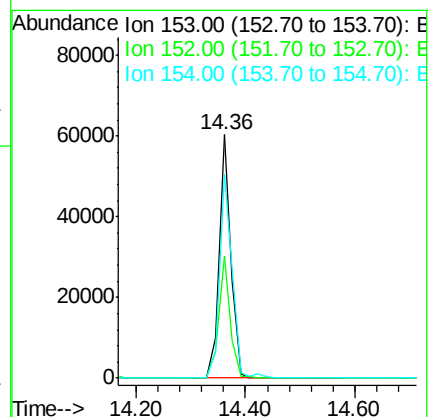
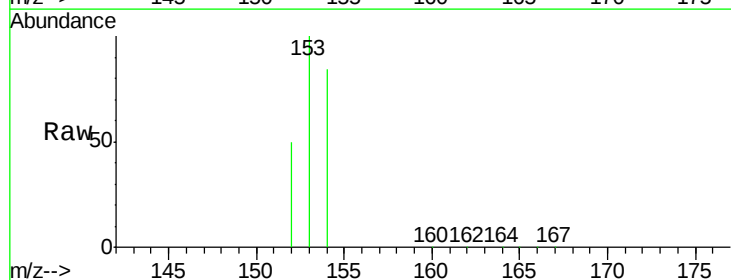
Tgt Ion:153 Resp: 87161

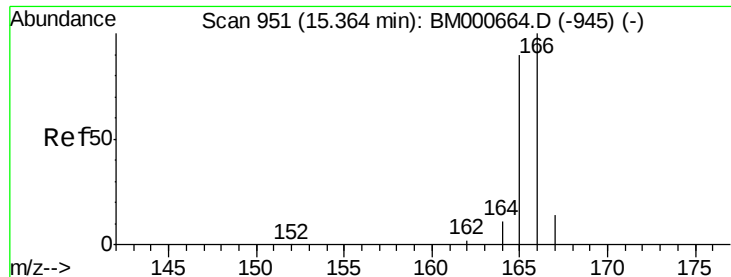
Ion Ratio Lower Upper

153 100

152 49.9 41.0 61.4

154 84.0 66.3 99.5





#9

Fluorene

Concen: 5.74 ng/ul

RT: 15.36 min Scan# 951

Delta R.T. -0.00 min

Lab File: BM000667.D

Acq: 09 Mar 2015 18:57

Instrument :

BNA_M

ClientSampleId :

SSTD3.252

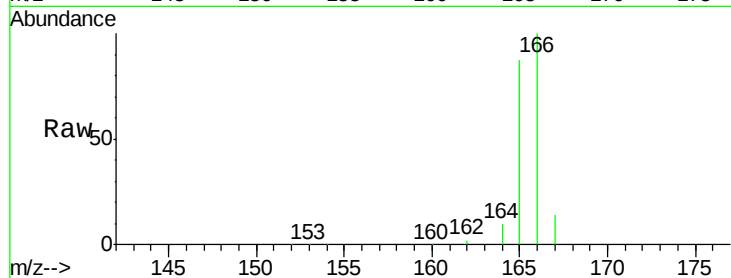
Tgt Ion:166 Resp: 100472

Ion Ratio Lower Upper

166 100

165 86.7 72.3 108.5

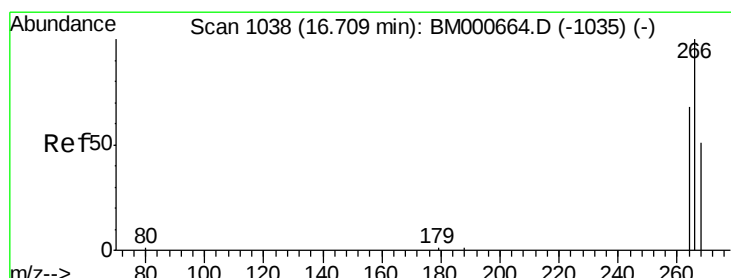
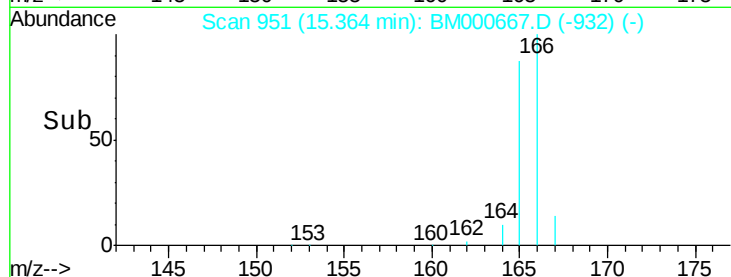
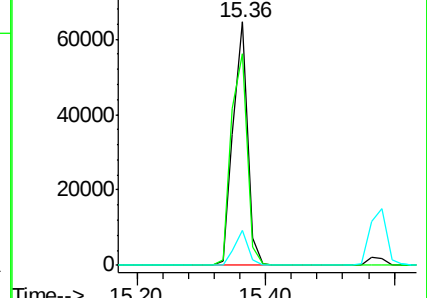
167 14.4 11.8 17.6



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



#11

Pentachlorophenol

Concen: 1.87 ng/ul

RT: 16.71 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BM000667.D

Acq: 09 Mar 2015 18:57

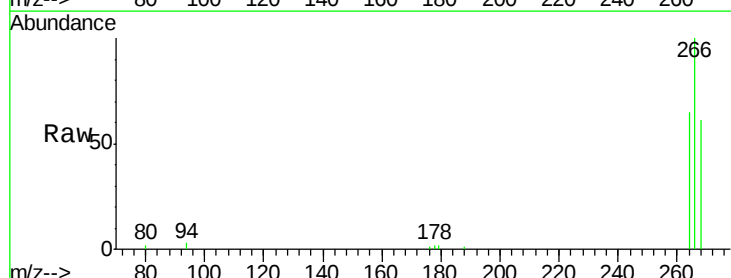
Tgt Ion:266 Resp: 7460

Ion Ratio Lower Upper

266 100

264 63.4 50.7 76.1

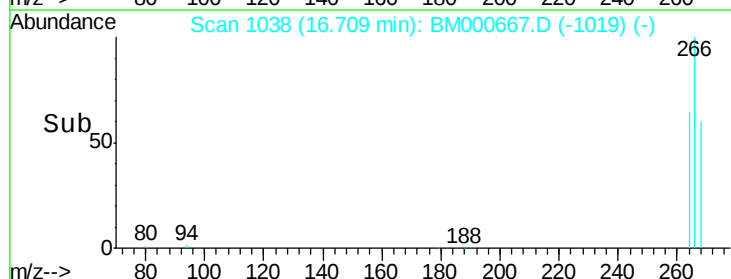
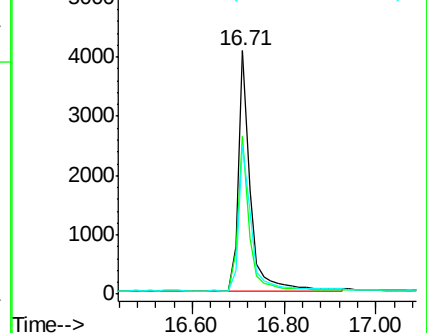
268 63.8 44.5 66.7

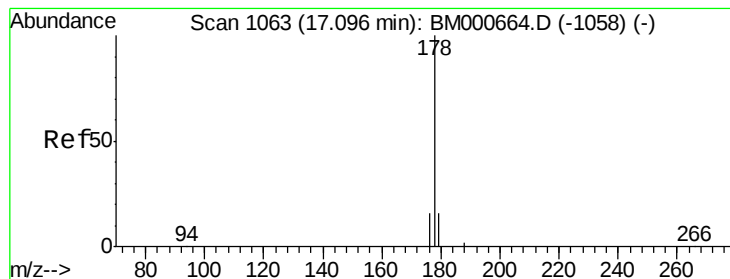


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 3.19 ng/ul

RT: 17.10 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BM000667.D

Acq: 09 Mar 2015 18:57

Instrument :

BNA_M

ClientSampleId :

SSTD3.252

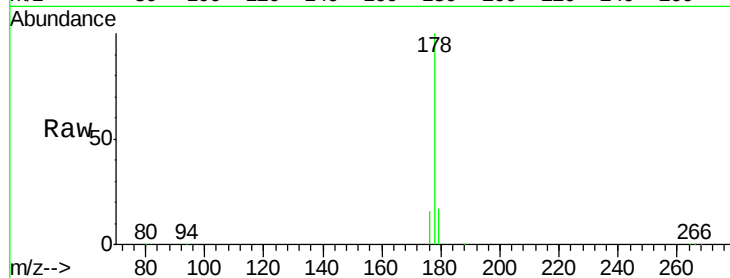
Tgt Ion:178 Resp: 148307

Ion Ratio Lower Upper

178 100

176 15.9 13.5 20.3

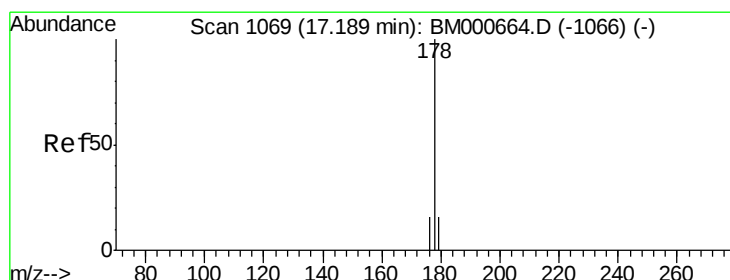
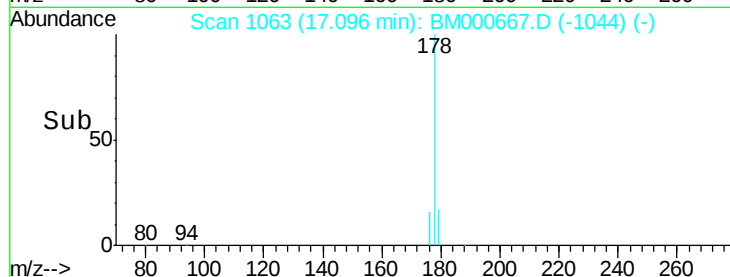
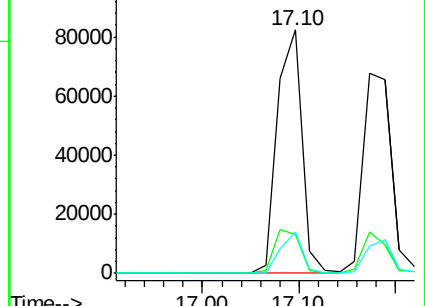
179 16.8 13.8 20.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#13

Anthracene

Concen: 3.42 ng/ul

RT: 17.10 min Scan# 1063

Delta R.T. -0.09 min

Lab File: BM000667.D

Acq: 09 Mar 2015 18:57

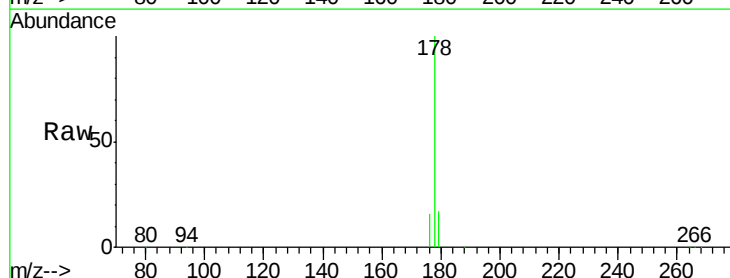
Tgt Ion:178 Resp: 148307

Ion Ratio Lower Upper

178 100

176 15.9 13.8 20.6

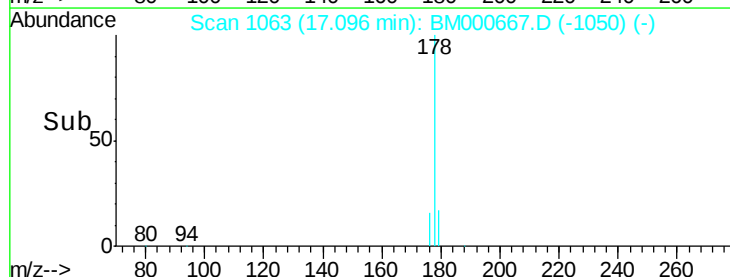
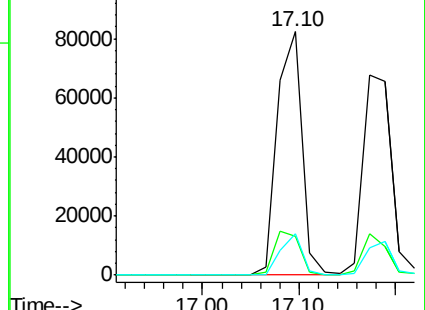
179 16.8 13.8 20.8

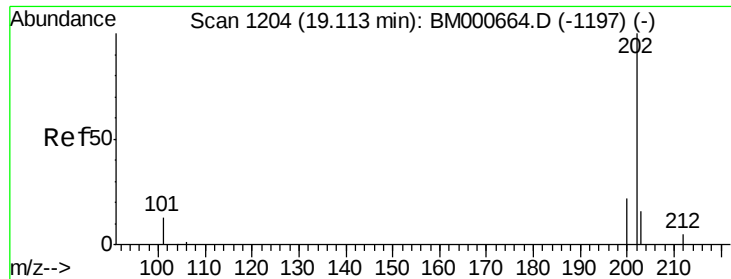


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

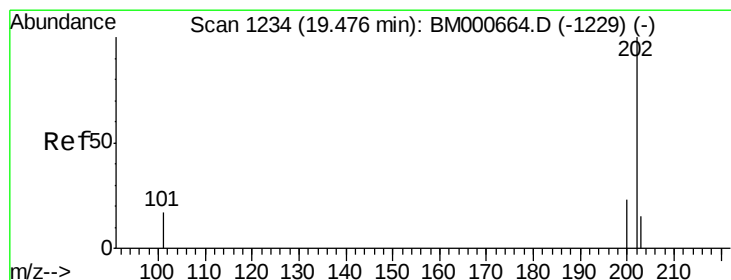
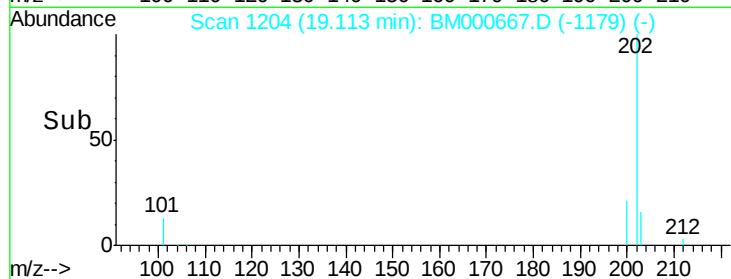
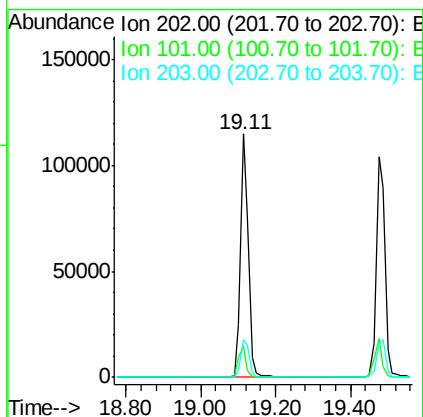
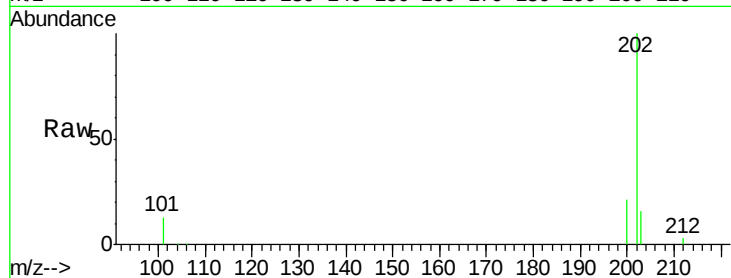




#15
Fluoranthene
Concen: 3.20 ng/ul
RT: 19.11 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BM000667.D
Acq: 09 Mar 2015 18:57

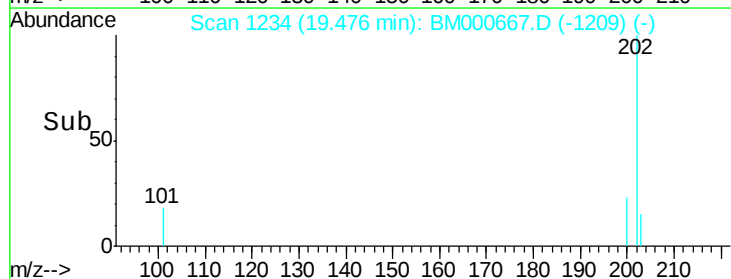
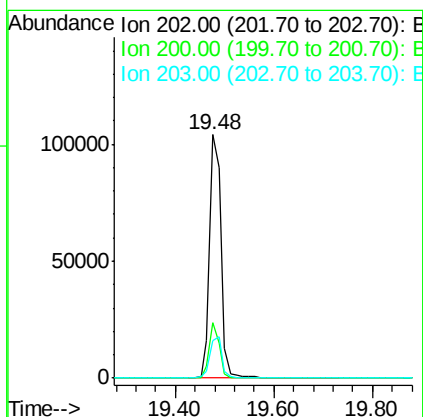
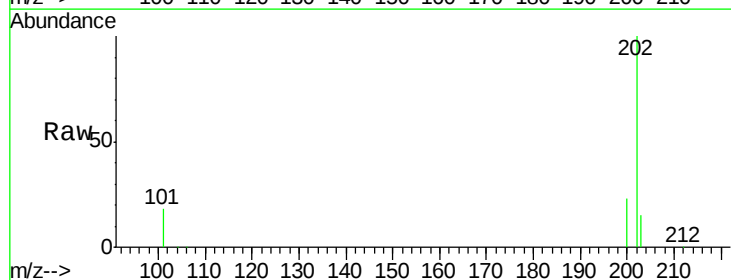
Instrument :
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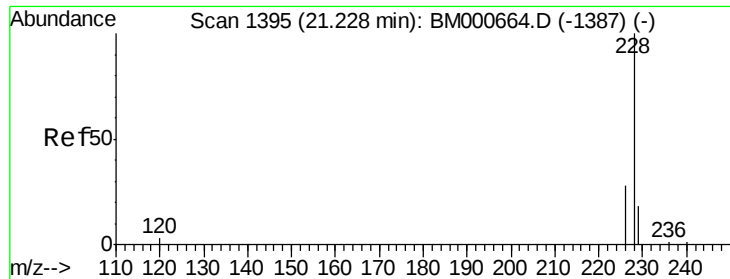
Tgt Ion:202 Resp: 168427
Ion Ratio Lower Upper
202 100
101 12.7 0.0 33.7
203 15.7 0.0 36.0



#17
Pyrene
Concen: 2.64 ng/ul
RT: 19.48 min Scan# 1234
Delta R.T. -0.00 min
Lab File: BM000667.D
Acq: 09 Mar 2015 18:57

Tgt Ion:202 Resp: 166444
Ion Ratio Lower Upper
202 100
200 22.6 18.3 27.5
203 15.5 12.7 19.1





#18

Benzo(a)anthracene

Concen: 3.18 ng/ul

RT: 21.23 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BM000667.D

Acq: 09 Mar 2015 18:57

Instrument :

BNA_M

ClientSampleId :

SSTD3.252

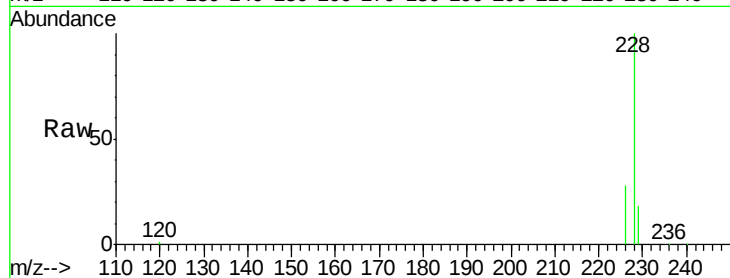
Tgt Ion:228 Resp: 141325

Ion Ratio Lower Upper

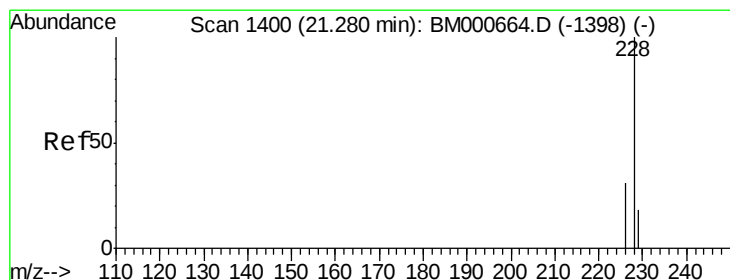
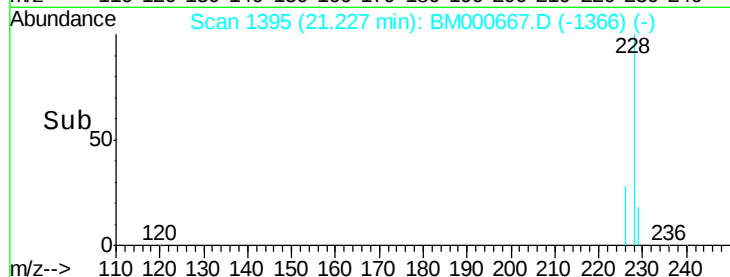
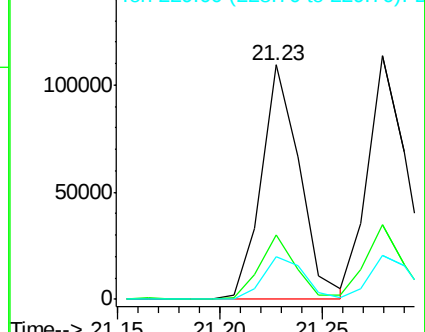
228 100

226 27.6 22.8 34.2

229 18.0 14.8 22.2



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



#19

Chrysene

Concen: 3.09 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BM000667.D

Acq: 09 Mar 2015 18:57

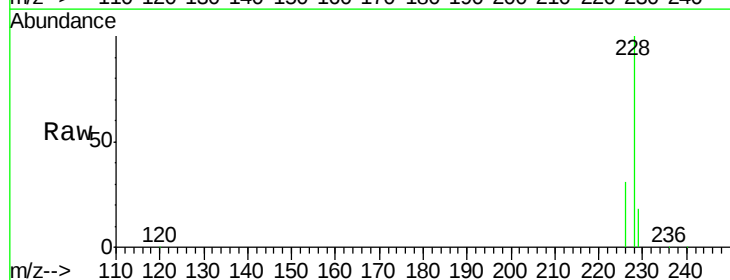
Tgt Ion:228 Resp: 150907

Ion Ratio Lower Upper

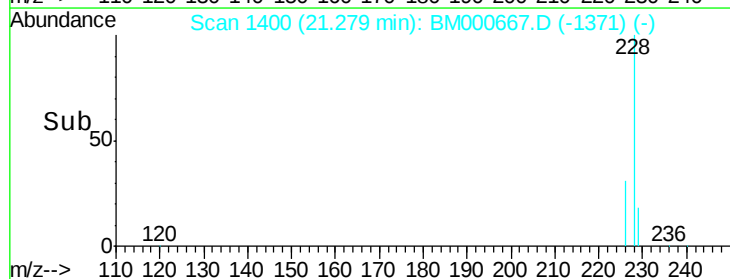
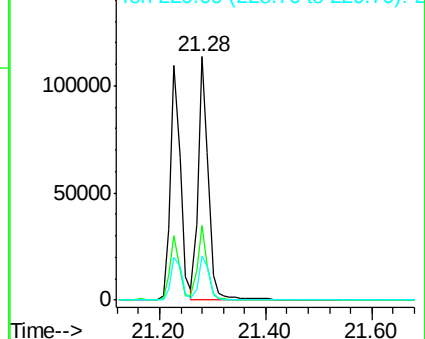
228 100

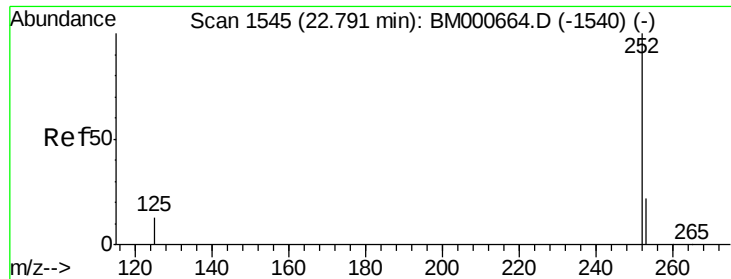
226 30.7 25.1 37.7

229 18.0 14.7 22.1



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





#21

Benzo(b)fluoranthene

Concen: 3.28 ng/u1

RT: 22.79 min Scan# 1545

Delta R.T. -0.00 min

Lab File: BM000667.D

Acq: 09 Mar 2015 18:57

Instrument :

BNA_M

ClientSampleId :

SSTD3.252

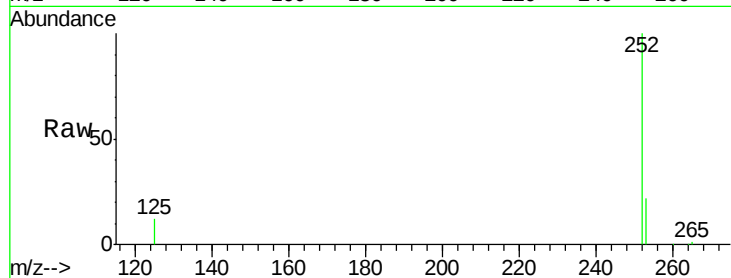
Tgt Ion:252 Resp: 148361

Ion Ratio Lower Upper

252 100

253 22.4 0.0 51.4

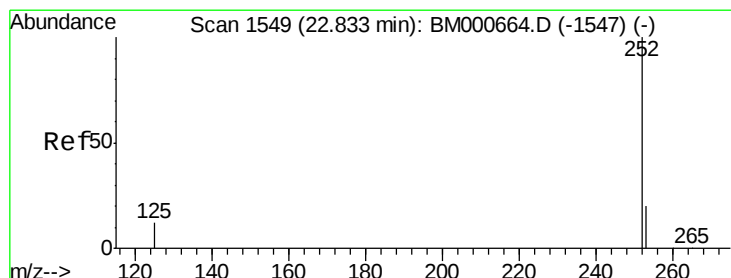
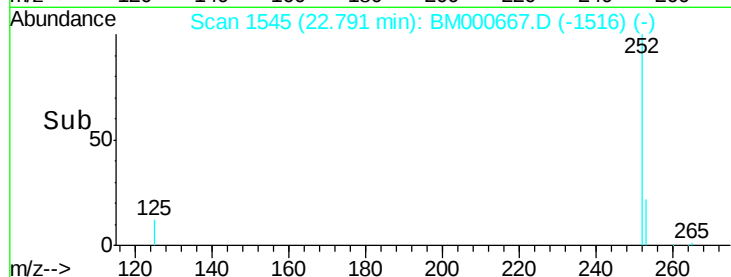
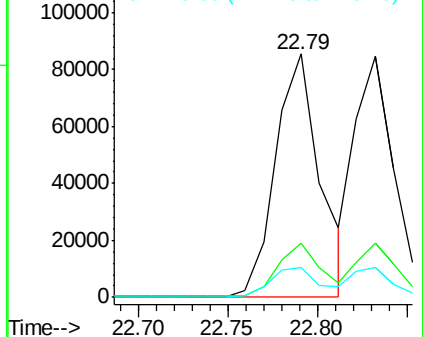
125 12.1 0.0 28.6



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



#22

Benzo(k)fluoranthene

Concen: 3.03 ng/u1

RT: 22.83 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BM000667.D

Acq: 09 Mar 2015 18:57

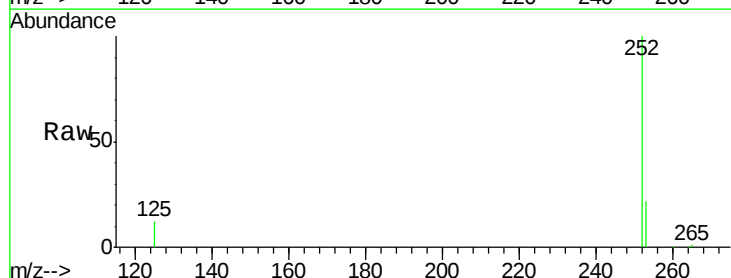
Tgt Ion:252 Resp: 136315

Ion Ratio Lower Upper

252 100

253 22.3 20.3 30.5

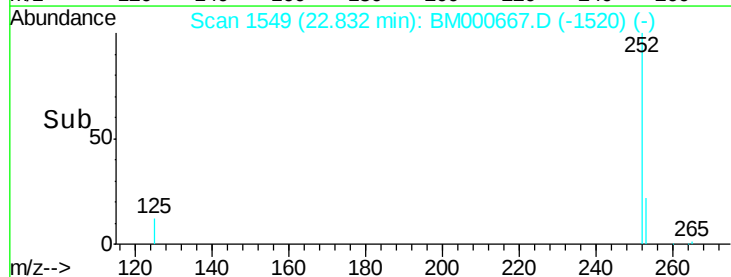
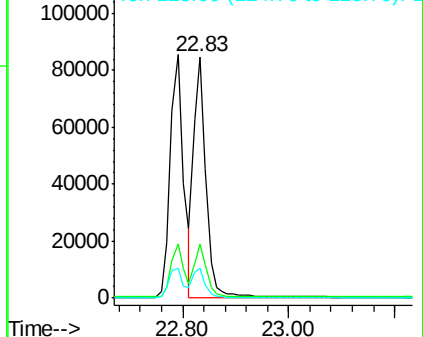
125 12.2 11.6 17.4

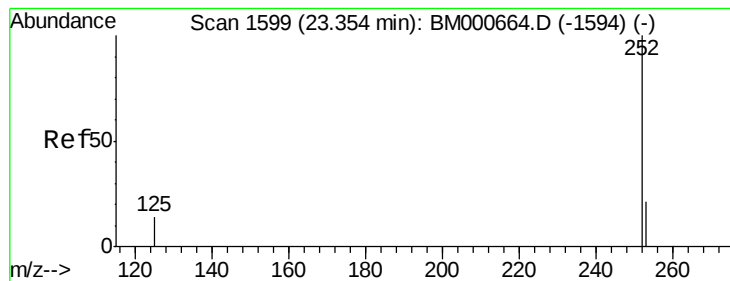


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.21 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BM000667.D

Acq: 09 Mar 2015 18:57

Instrument :

BNA_M

ClientSampleId :

SSTD3.252

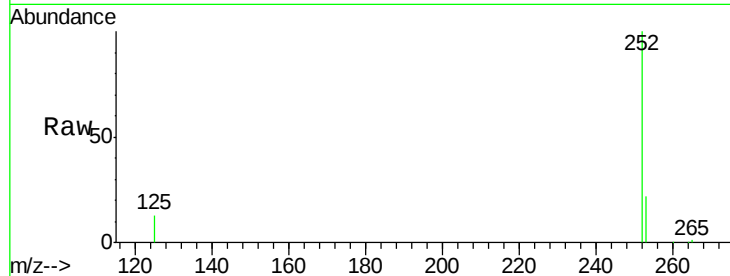
Tgt Ion: 252 Resp: 132105

Ion Ratio Lower Upper

252 100

253 22.4 21.3 31.9

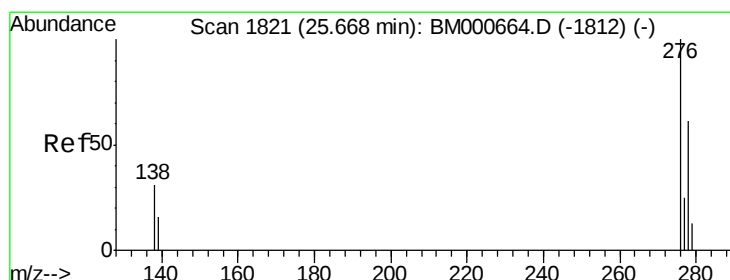
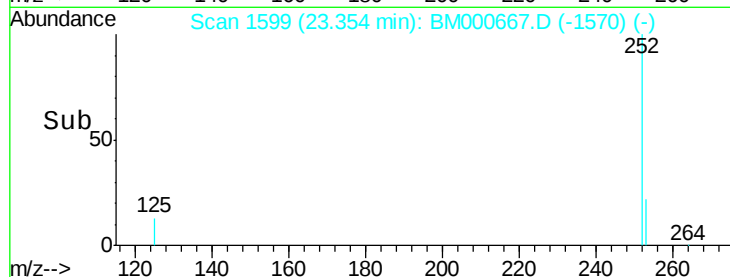
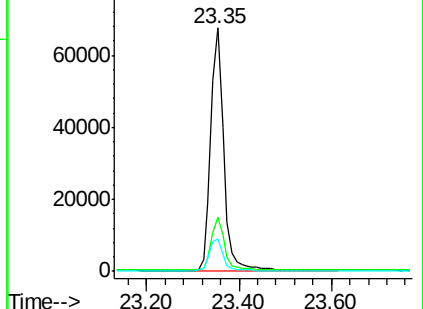
125 13.5 13.2 19.8



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

Indeno(1,2,3-cd)pyrene

Concen: 3.76 ng/ul

RT: 25.66 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BM000667.D

Acq: 09 Mar 2015 18:57

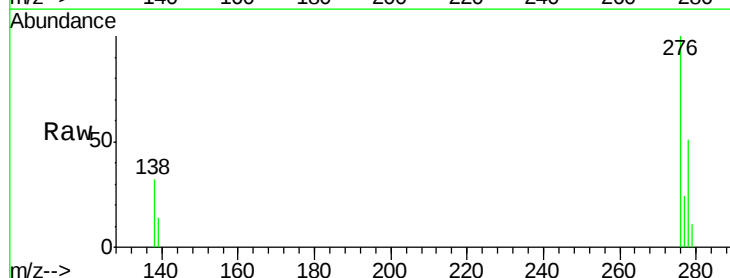
Tgt Ion: 276 Resp: 151571

Ion Ratio Lower Upper

276 100

138 32.7 25.8 38.8

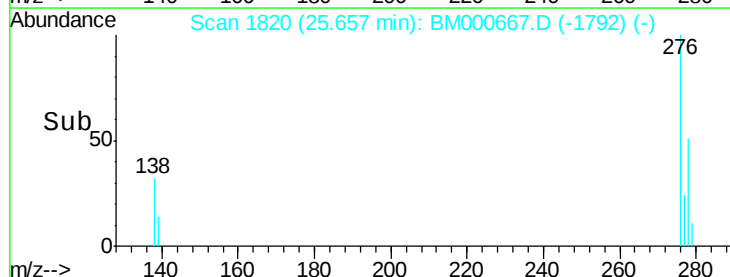
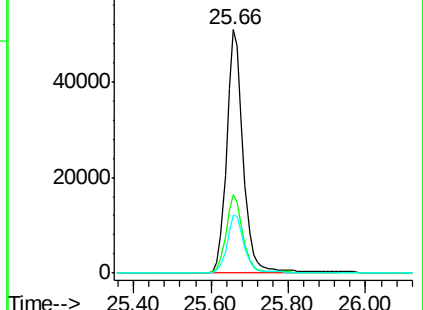
277 24.6 20.2 30.4

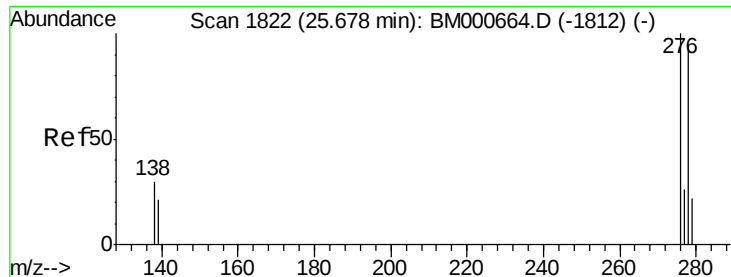


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

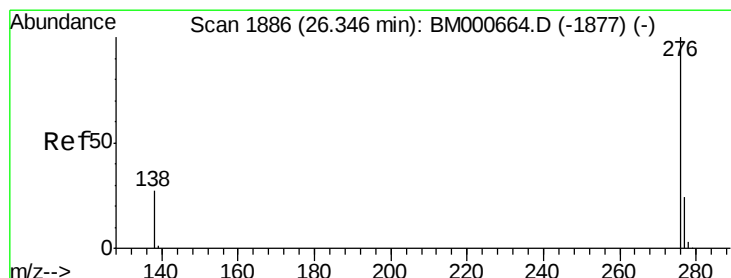
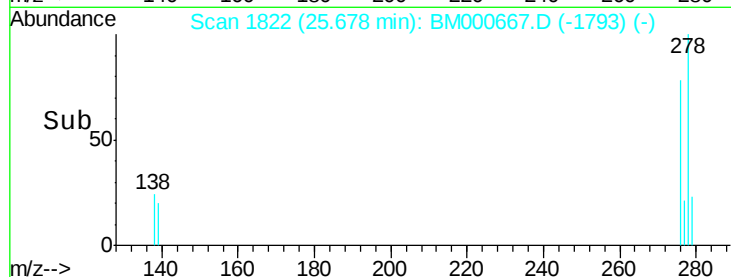
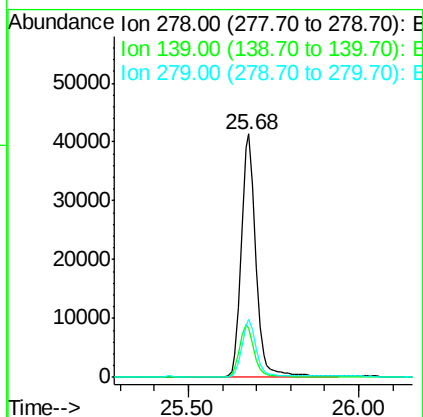
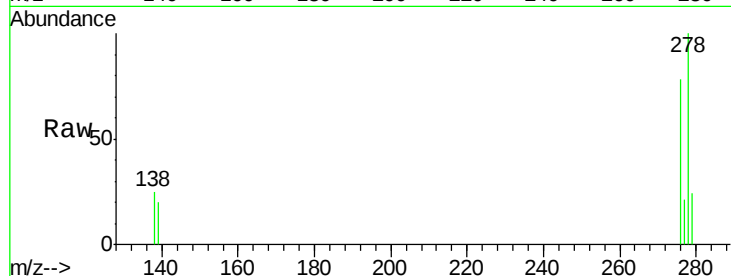




#25
Dibenzo(a,h)anthracene
Concen: 3.85 ng/ul
RT: 25.68 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BM000667.D
Acq: 09 Mar 2015 18:57

Instrument :
BNA_M
ClientSampleId :
SSTD3.252

Tgt Ion: 278 Resp: 123529
Ion Ratio Lower Upper
278 100
139 20.0 18.8 28.2
279 23.8 21.4 32.0



#26
Benzo(g,h,i)perylene
Concen: 3.72 ng/ul
RT: 26.33 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BM000667.D
Acq: 09 Mar 2015 18:57

Tgt Ion: 276 Resp: 130799
Ion Ratio Lower Upper
276 100
277 23.3 19.9 29.9
138 27.7 22.2 33.4

