

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030915\
 Data File : BM000664.D
 Acq On : 09 Mar 2015 17:10
 Operator : TP/IZ
 Sample : SSTD0.449
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.449

Quant Time: Mar 10 02:36:41 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	4033	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	13624	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	4117	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	12889	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	11165	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	10291	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.04	152	6421	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	10377	0.38	ng/ul	0.00

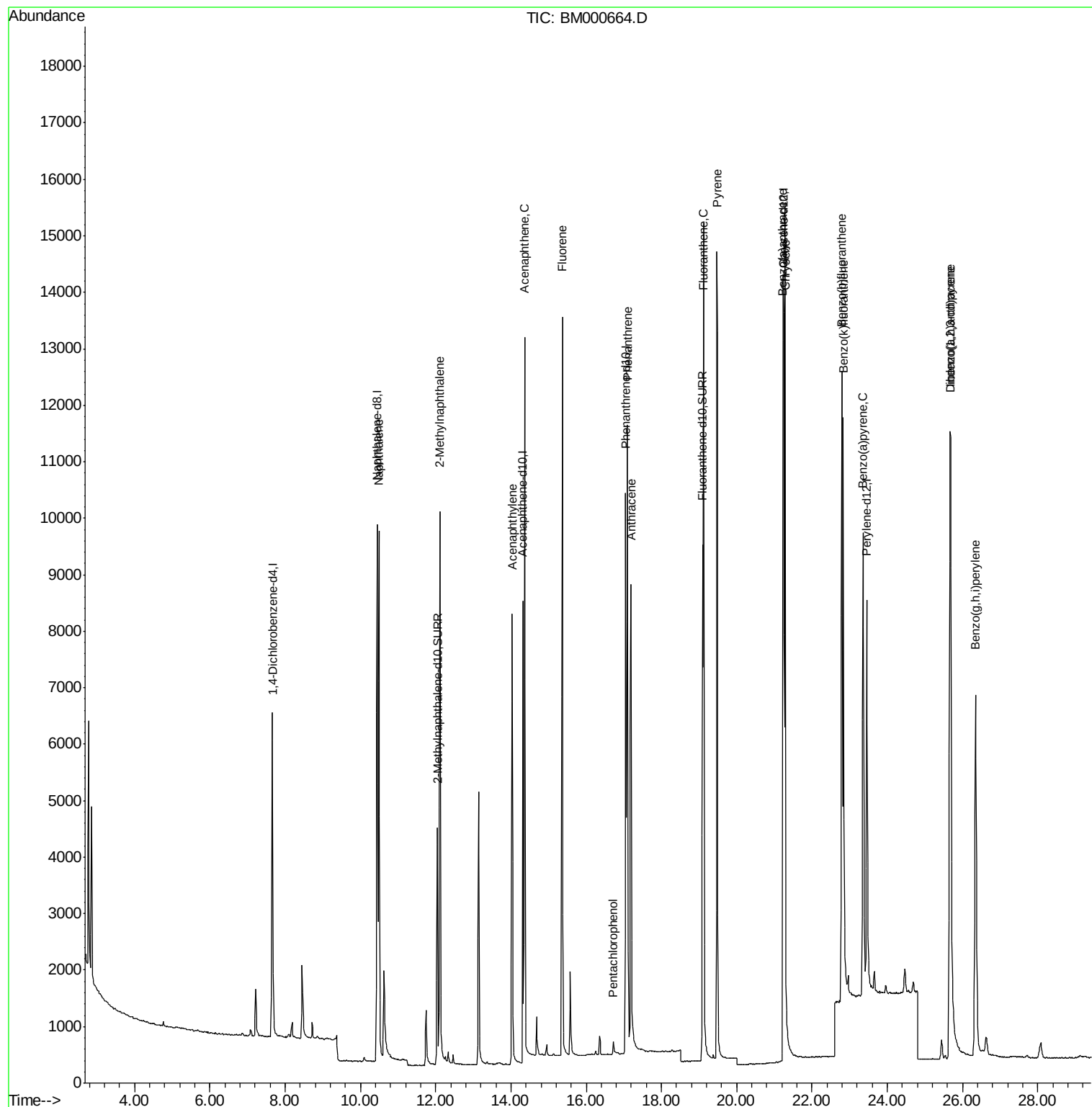
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	13564	0.39	ng/ul	100
5) 2-Methylnaphthalene	12.11	142	8574	0.35	ng/ul	100
7) Acenaphthylene	14.03	152	10597	0.55	ng/ul	100
8) Acenaphthene	14.36	153	8153	0.55	ng/ul	100
9) Fluorene	15.36	166	9581	0.53	ng/ul	100
11) Pentachlorophenol	16.71	266	295	0.09	ng/ul	100
12) Phenanthrene	17.10	178	14285	0.39	ng/ul	100
13) Anthracene	17.19	178	12682	0.37	ng/ul	100
15) Fluoranthene	19.11	202	15677	0.37	ng/ul	100
17) Pyrene	19.48	202	16374	0.33	ng/ul	100
18) Benzo(a)anthracene	21.23	228	12555	0.36	ng/ul	100
19) Chrysene	21.28	228	15445	0.40	ng/ul	100
21) Benzo(b)fluoranthene	22.79	252	14069	0.37	ng/ul	100
22) Benzo(k)fluoranthene	22.83	252	14932	0.39	ng/ul	100
23) Benzo(a)pyrene	23.35	252	13571	0.39	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	25.67	276	15592	0.45	ng/ul	100
25) Dibenzo(a,h)anthracene	25.68	278	12607	0.46	ng/ul	100
26) Benzo(g,h,i)perylene	26.35	276	13978	0.47	ng/ul	100

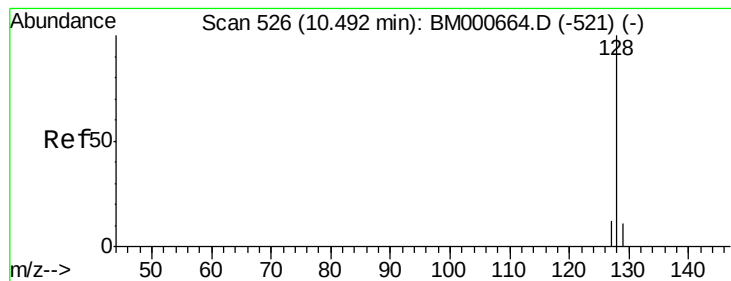
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. 0.00 min

Lab File: BM000664.D

Acq: 09 Mar 2015 17:10

Instrument :

BNA_M

ClientSampleId :

SSTD0.449

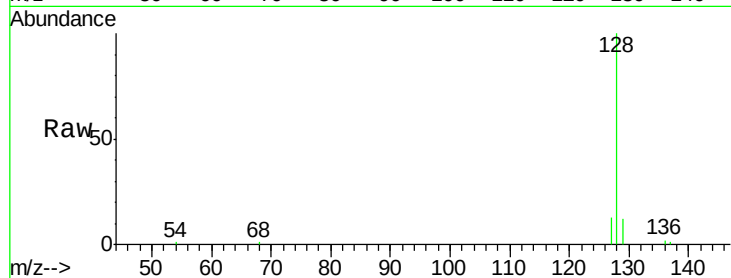
Tgt Ion:128 Resp: 13564

Ion Ratio Lower Upper

128 100

129 11.9 9.5 14.3

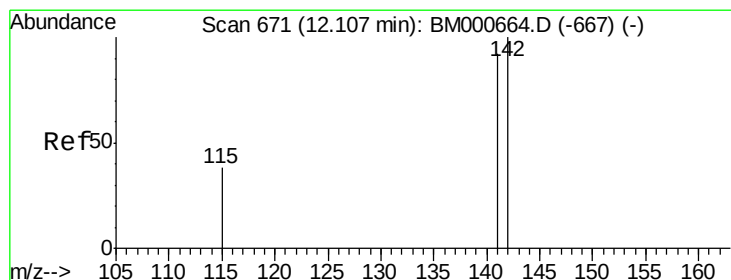
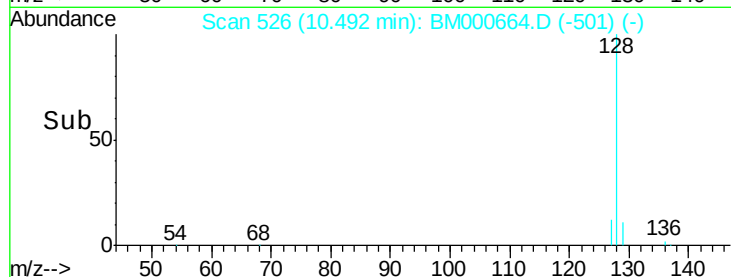
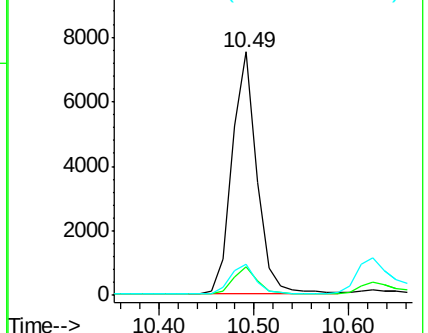
127 12.6 10.1 15.1



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: 0.35 ng/ul

RT: 12.11 min Scan# 671

Delta R.T. 0.00 min

Lab File: BM000664.D

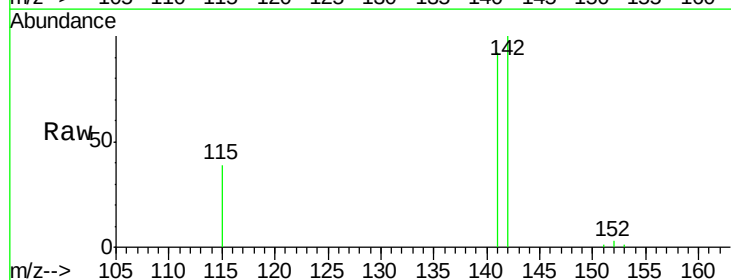
Acq: 09 Mar 2015 17:10

Tgt Ion:142 Resp: 8574

Ion Ratio Lower Upper

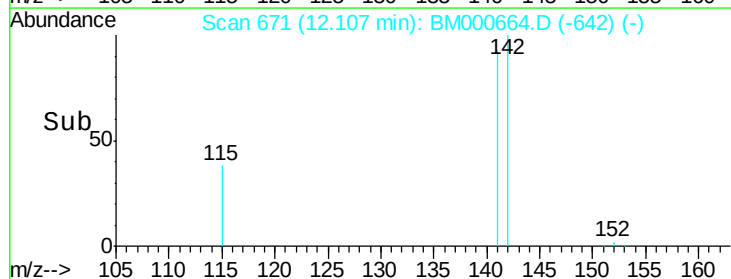
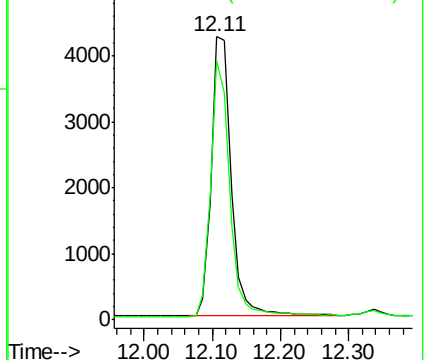
142 100

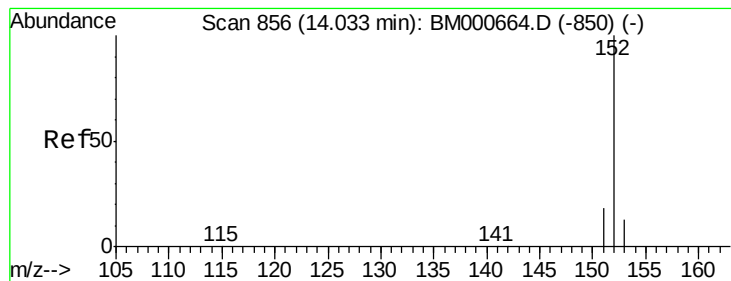
141 88.0 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.55 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. 0.00 min

Lab File: BM000664.D

Acq: 09 Mar 2015 17:10

Instrument :

BNA_M

ClientSampleId :

SSTD0.449

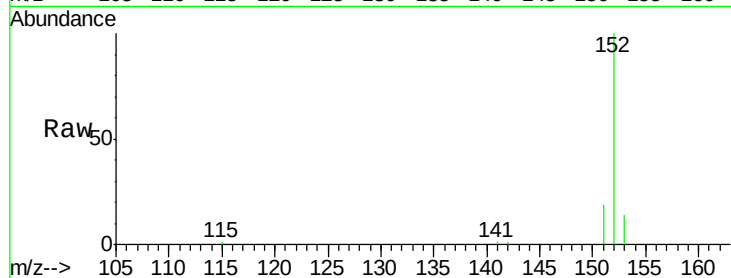
Tgt Ion:152 Resp: 10597

Ion Ratio Lower Upper

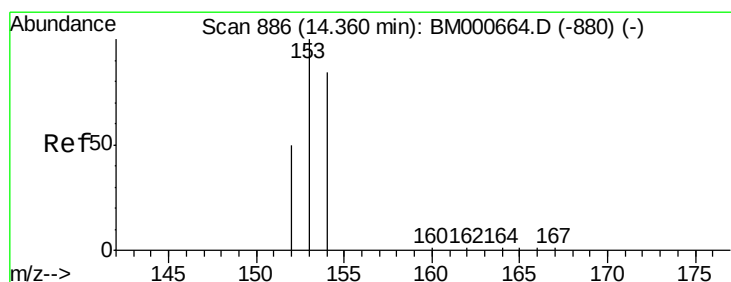
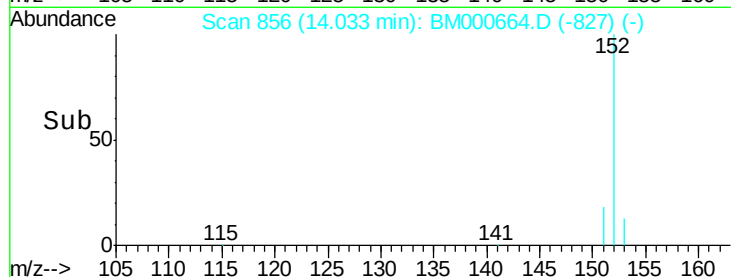
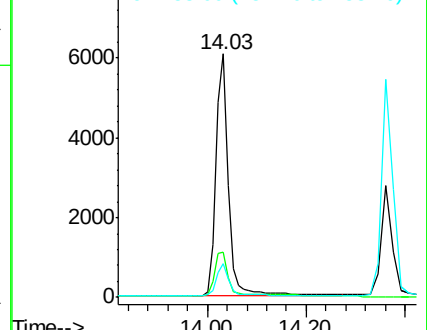
152 100

151 18.8 15.0 22.6

153 14.1 11.3 16.9



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



#8

Acenaphthene

Concen: 0.55 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. 0.00 min

Lab File: BM000664.D

Acq: 09 Mar 2015 17:10

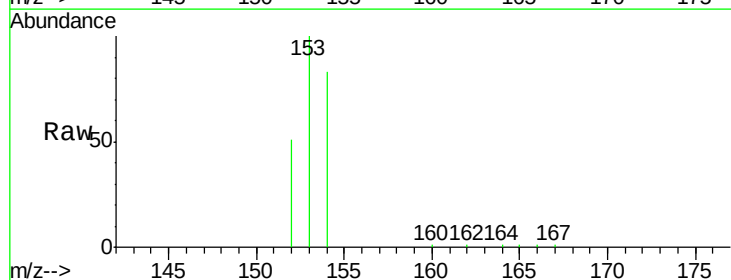
Tgt Ion:153 Resp: 8153

Ion Ratio Lower Upper

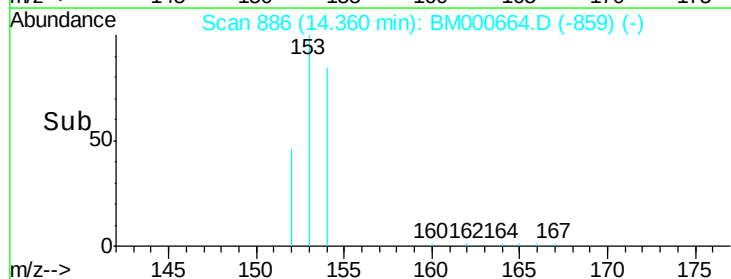
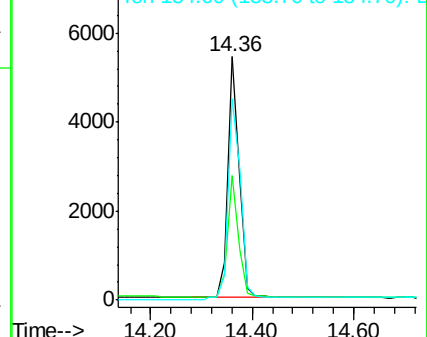
153 100

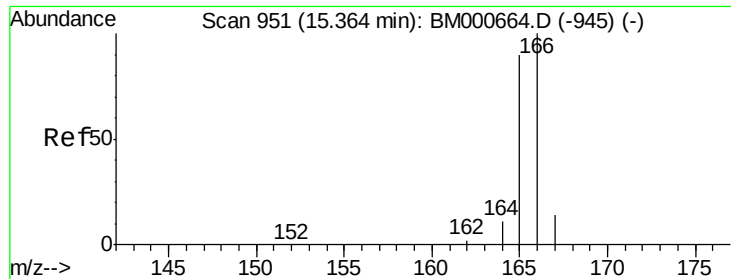
152 51.2 41.0 61.4

154 82.9 66.3 99.5



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

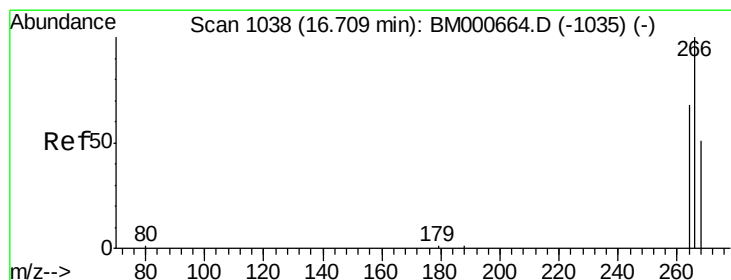
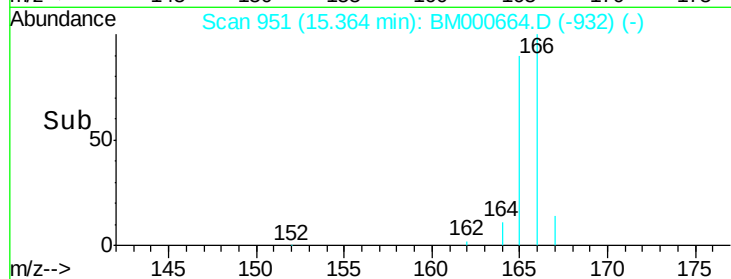
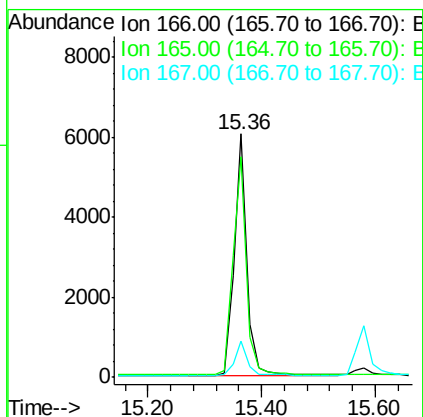
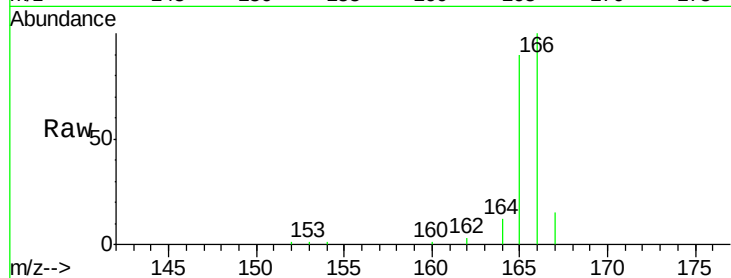




#9
Fluorene
 Concen: 0.53 ng/ul
 RT: 15.36 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: BM000664.D
 Acq: 09 Mar 2015 17:10

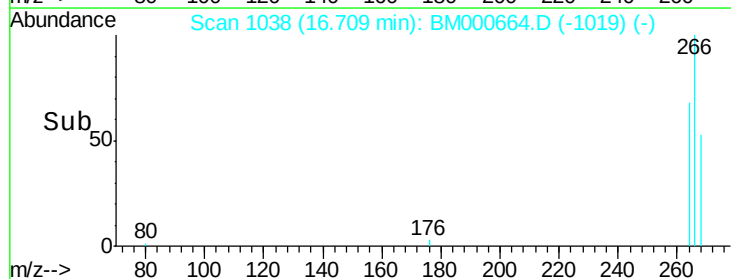
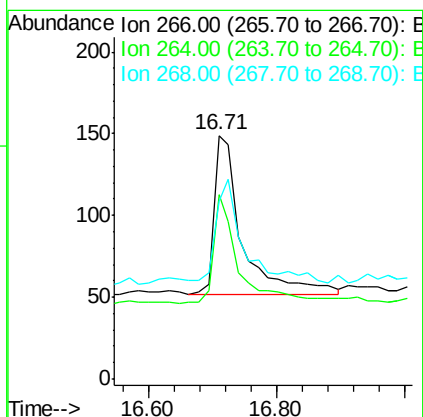
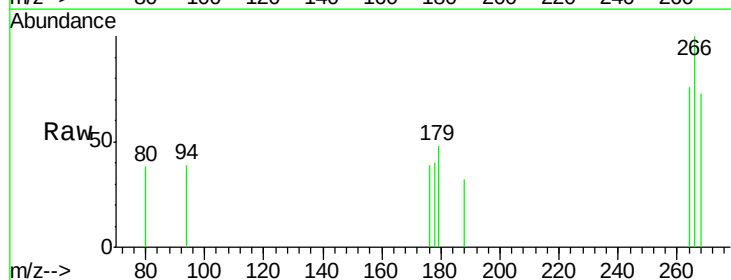
Instrument :
 BNA_M
 ClientSampleId :
 SST0.449

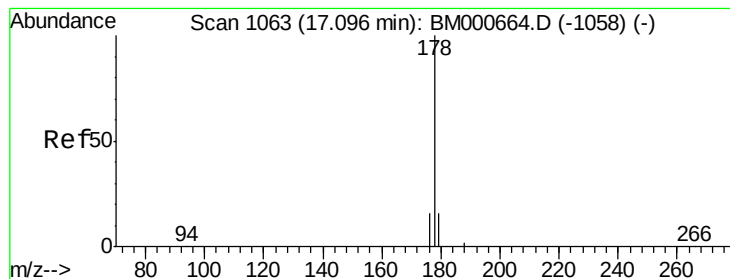
Tgt Ion:166 Resp: 9581
 Ion Ratio Lower Upper
 166 100
 165 90.4 72.3 108.5
 167 14.7 11.8 17.6



#11
Pentachlorophenol
 Concen: 0.09 ng/ul
 RT: 16.71 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BM000664.D
 Acq: 09 Mar 2015 17:10

Tgt Ion:266 Resp: 295
 Ion Ratio Lower Upper
 266 100
 264 63.4 50.7 76.1
 268 55.6 44.5 66.7





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.10 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BM000664.D

Acq: 09 Mar 2015 17:10

Instrument :

BNA_M

ClientSampleId :

SSTD0.449

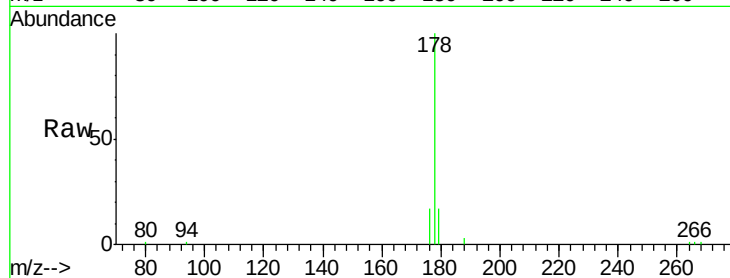
Tgt Ion:178 Resp: 14285

Ion Ratio Lower Upper

178 100

176 16.9 13.5 20.3

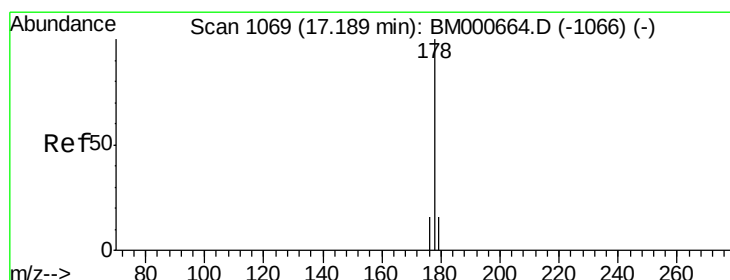
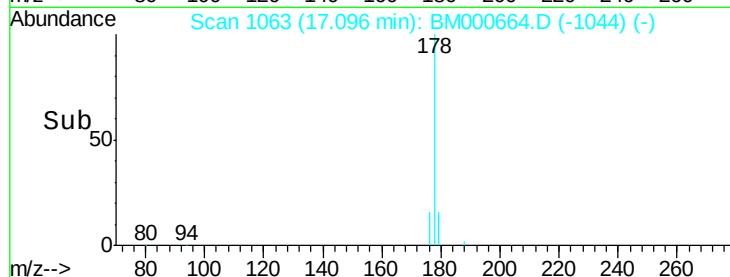
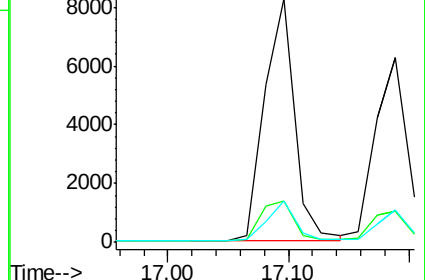
179 17.2 13.8 20.6



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: 0.37 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BM000664.D

Acq: 09 Mar 2015 17:10

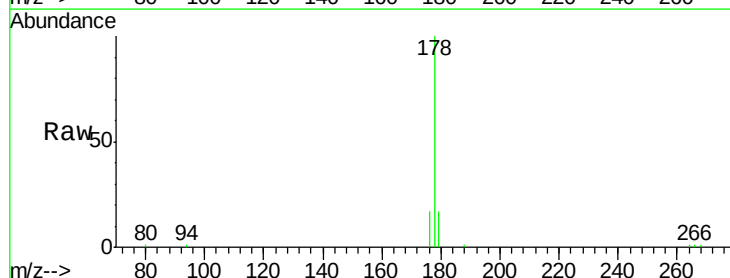
Tgt Ion:178 Resp: 12682

Ion Ratio Lower Upper

178 100

176 17.2 13.8 20.6

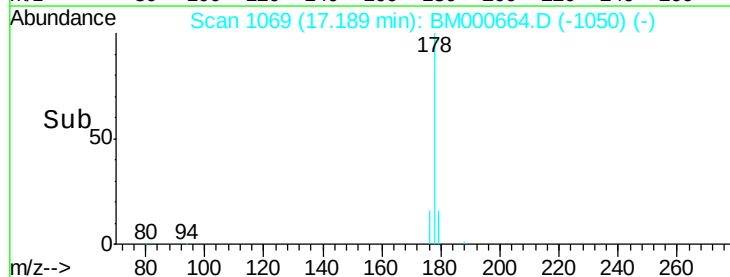
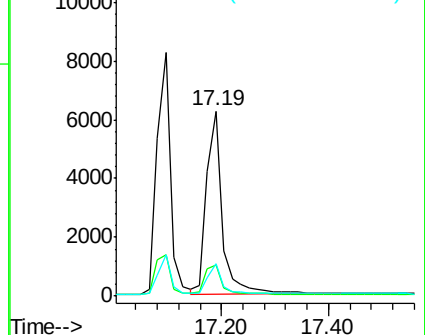
179 17.3 13.8 20.8

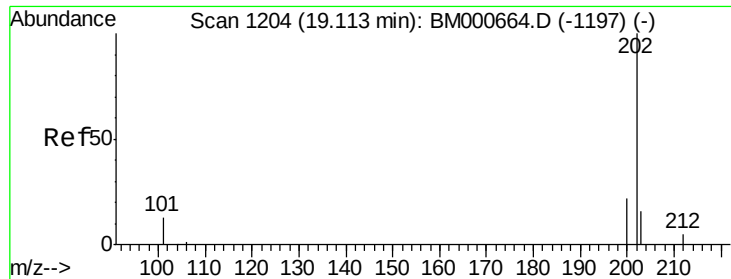


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

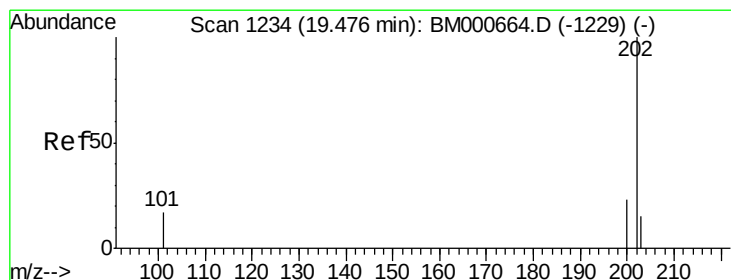
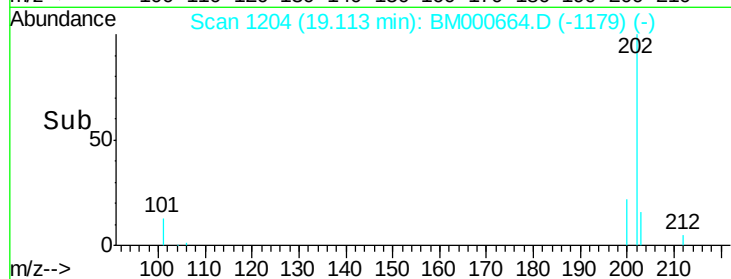
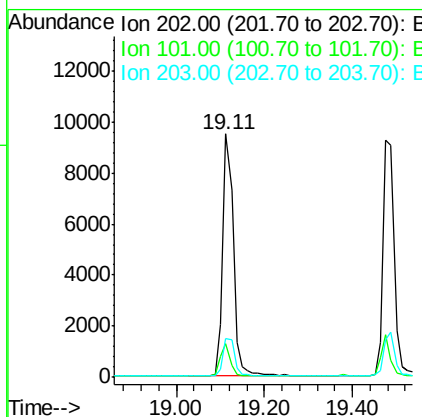
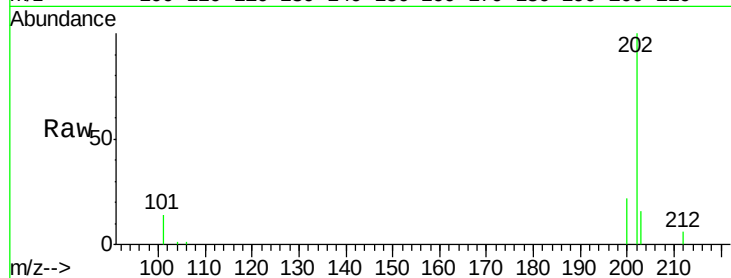




#15
Fluoranthene
Concen: 0.37 ng/ul
RT: 19.11 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BM000664.D
Acq: 09 Mar 2015 17:10

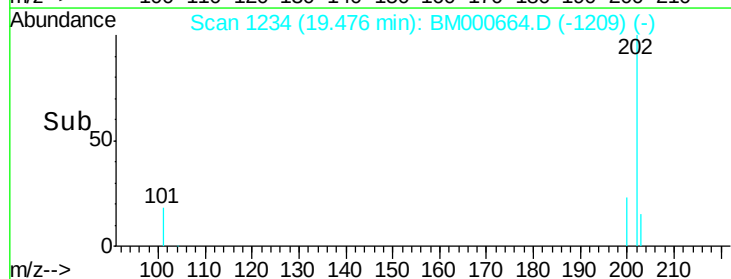
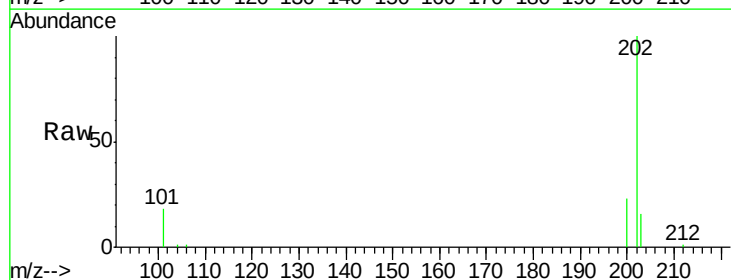
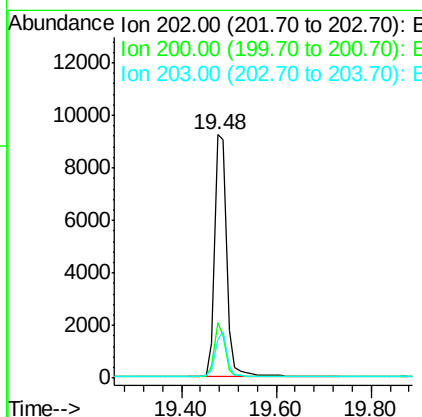
Instrument :
BNA_M
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SSTD0.449

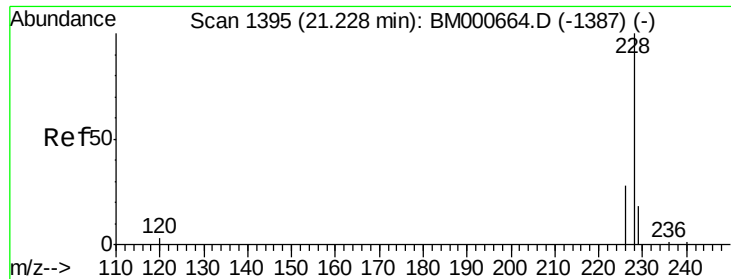
Tgt Ion:202 Resp: 15677
Ion Ratio Lower Upper
202 100
101 13.7 0.0 33.7
203 16.0 0.0 36.0



#17
Pyrene
Concen: 0.33 ng/ul
RT: 19.48 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BM000664.D
Acq: 09 Mar 2015 17:10

Tgt Ion:202 Resp: 16374
Ion Ratio Lower Upper
202 100
200 22.9 18.3 27.5
203 15.9 12.7 19.1





#18

Benzo(a)anthracene

Concen: 0.36 ng/ul

RT: 21.23 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BM000664.D

Acq: 09 Mar 2015 17:10

Instrument :

BNA_M

ClientSampleId :

SSTD0.449

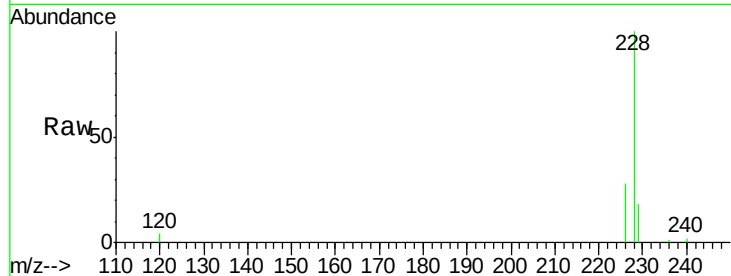
Tgt Ion:228 Resp: 12555

Ion Ratio Lower Upper

228 100

226 28.5 22.8 34.2

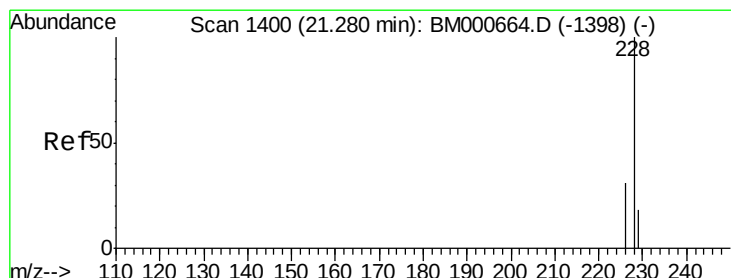
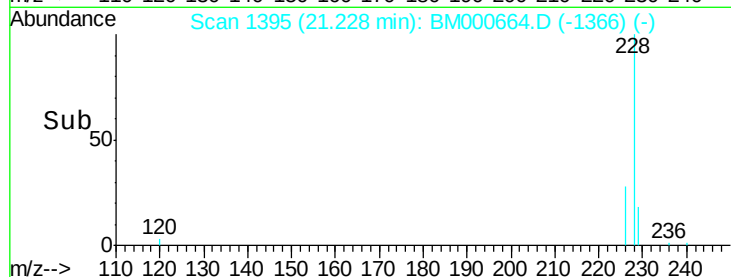
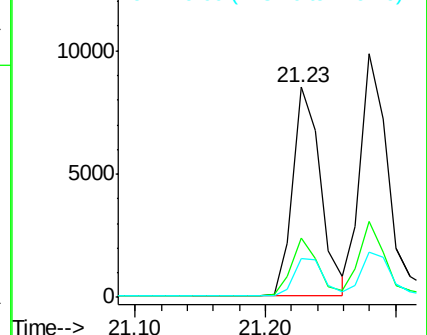
229 18.5 14.8 22.2



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: 0.40 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BM000664.D

Acq: 09 Mar 2015 17:10

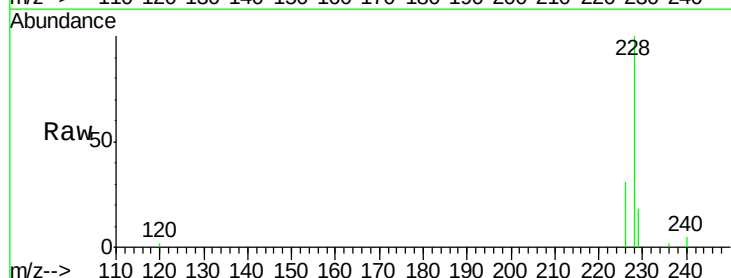
Tgt Ion:228 Resp: 15445

Ion Ratio Lower Upper

228 100

226 31.4 25.1 37.7

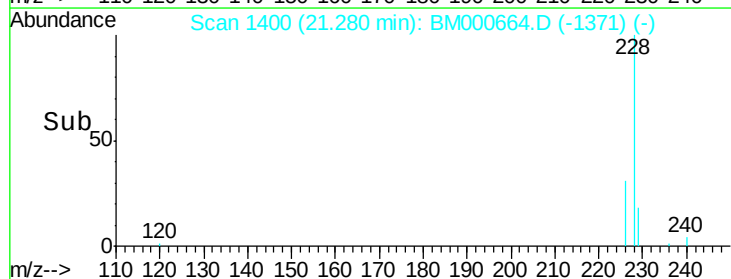
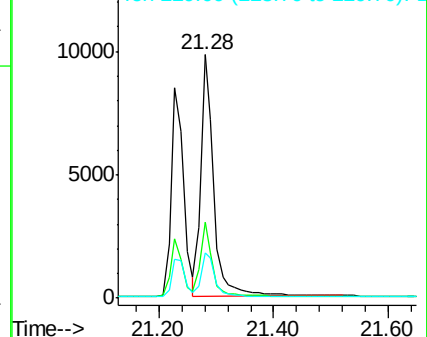
229 18.4 14.7 22.1

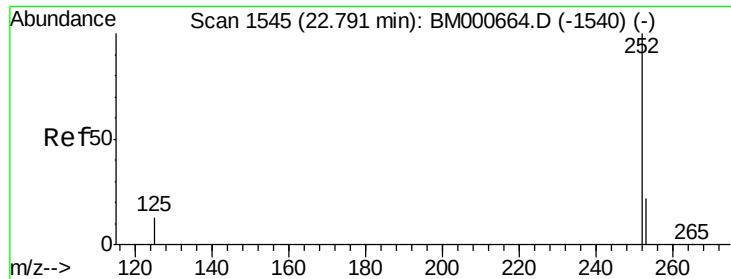


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

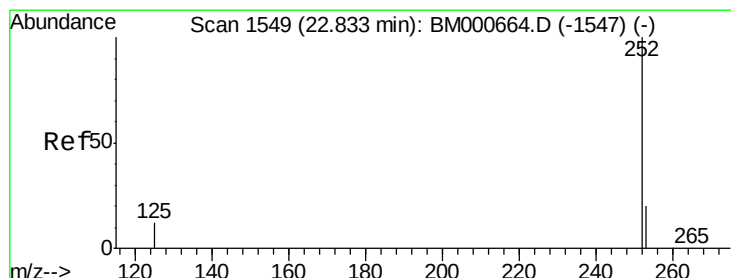
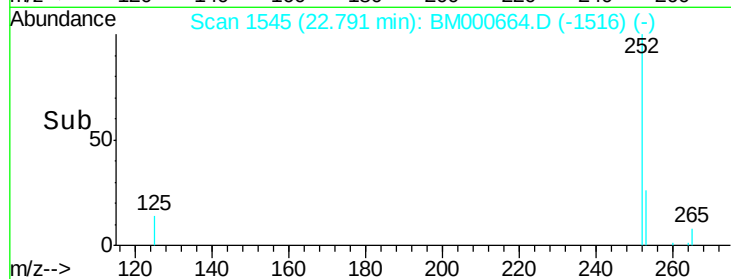
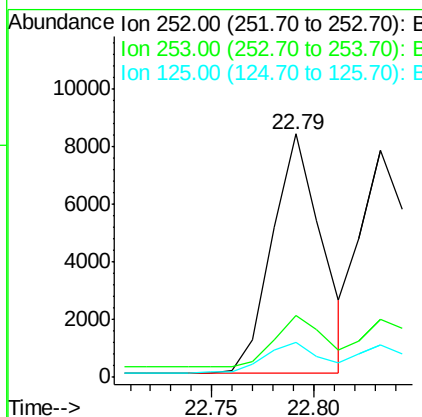
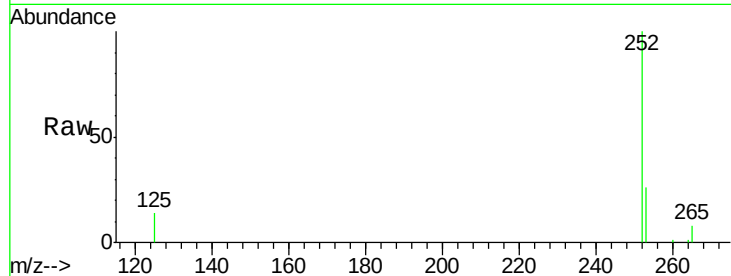




#21
Benzo(b)fluoranthene
Concen: 0.37 ng/ul
RT: 22.79 min Scan# 1545
Delta R.T. 0.00 min
Lab File: BM000664.D
Acq: 09 Mar 2015 17:10

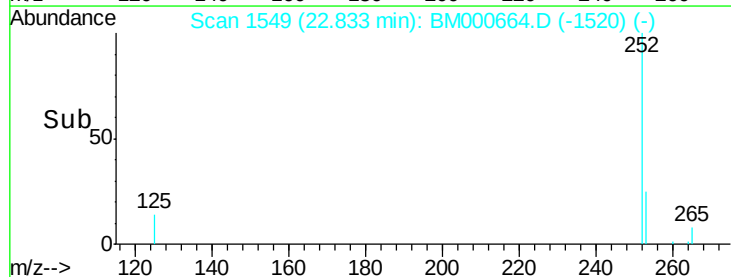
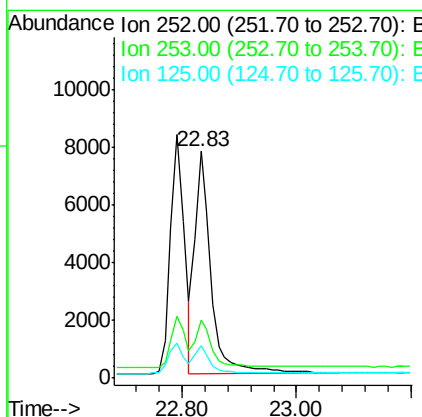
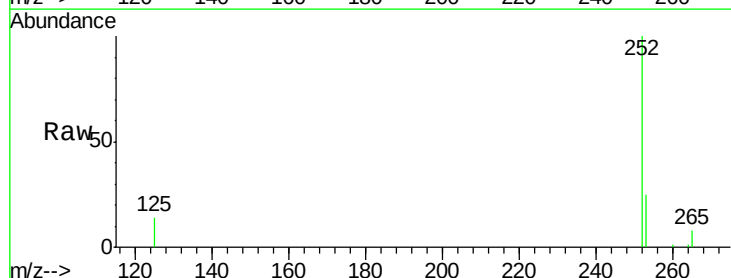
Instrument :
BNA_M
ClientSampleId :
SSTD0.449

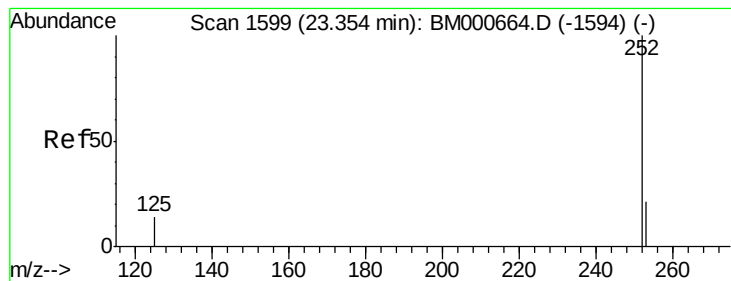
Tgt Ion:252 Resp: 14069
Ion Ratio Lower Upper
252 100
253 25.7 0.0 51.4
125 14.3 0.0 28.6



#22
Benzo(k)fluoranthene
Concen: 0.39 ng/ul
RT: 22.83 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BM000664.D
Acq: 09 Mar 2015 17:10

Tgt Ion:252 Resp: 14932
Ion Ratio Lower Upper
252 100
253 25.4 20.3 30.5
125 14.5 11.6 17.4





#23

Benzo(a)pyrene

Concen: 0.39 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BM000664.D

Acq: 09 Mar 2015 17:10

Instrument :

BNA_M

ClientSampleId :

SSTD0.449

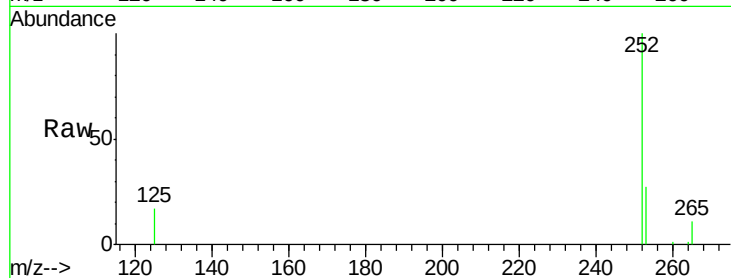
Tgt Ion:252 Resp: 13571

Ion Ratio Lower Upper

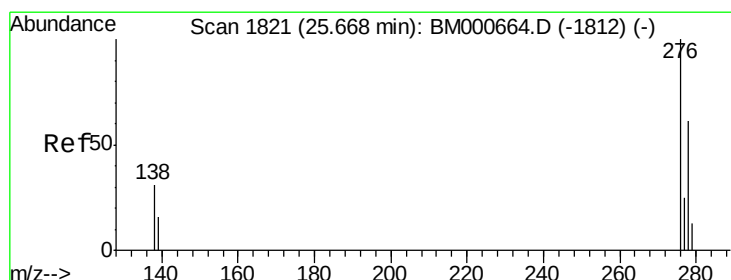
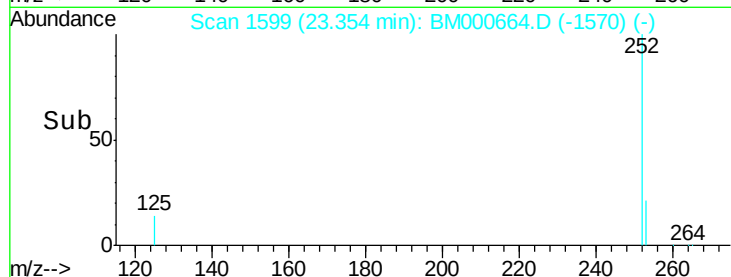
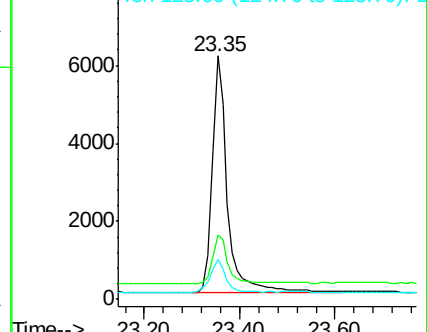
252 100

253 26.6 21.3 31.9

125 16.5 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: 0.45 ng/ul

RT: 25.67 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BM000664.D

Acq: 09 Mar 2015 17:10

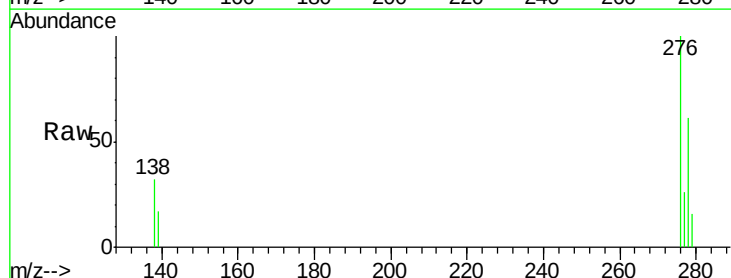
Tgt Ion:276 Resp: 15592

Ion Ratio Lower Upper

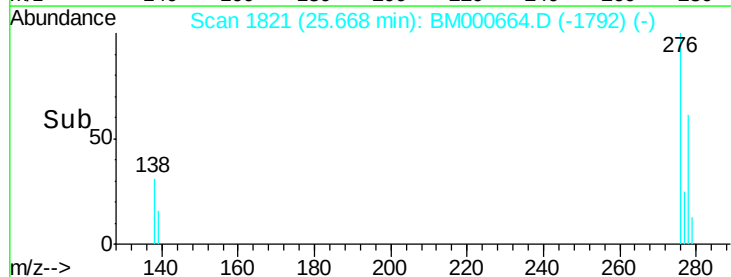
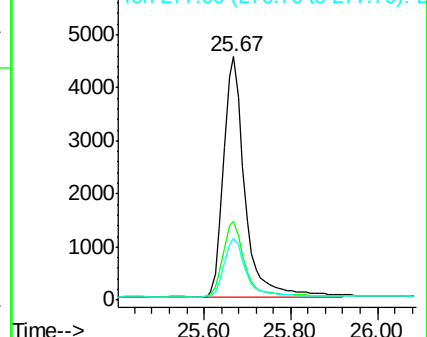
276 100

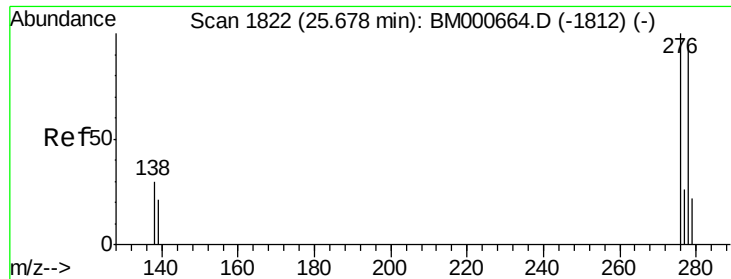
138 32.3 25.8 38.8

277 25.3 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



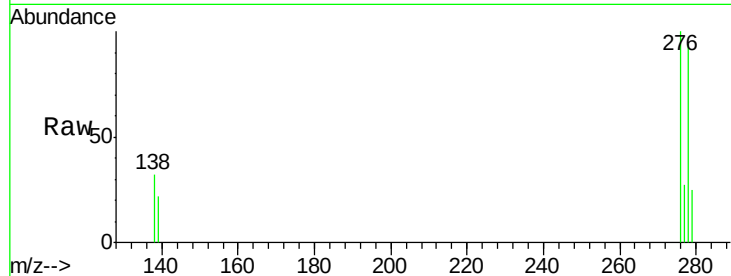


#25
Dibenzo(a,h)anthracene
Concen: 0.46 ng/ul
RT: 25.68 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BM000664.D
Acq: 09 Mar 2015 17:10

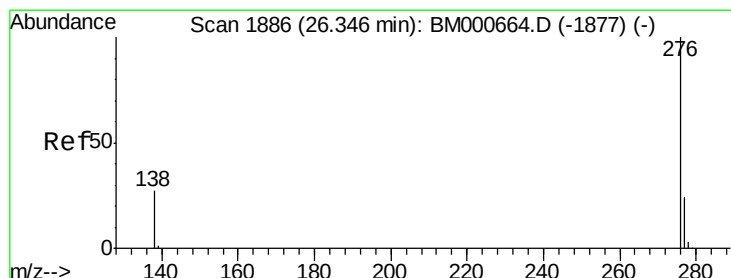
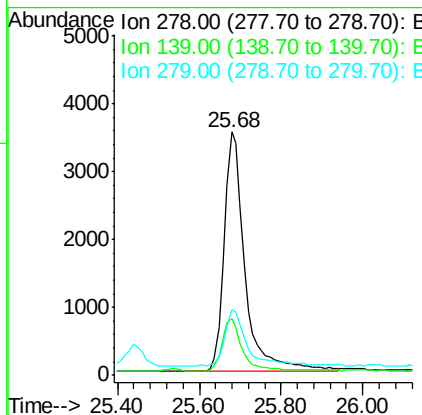
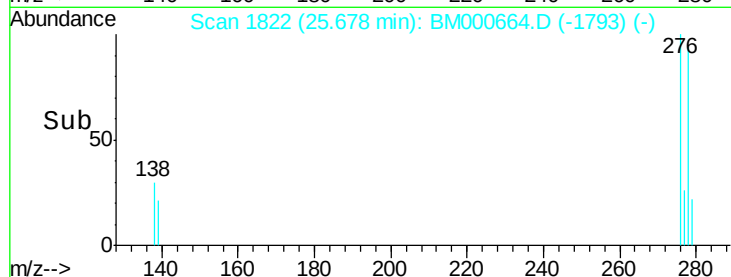
Instrument :
BNA_M
ClientSampleId :
SSTD0.449

Tgt Ion: 278 Resp: 12607

Ion	Ratio	Lower	Upper
278	100		
139	23.5	18.8	28.2
279	26.7	21.4	32.0



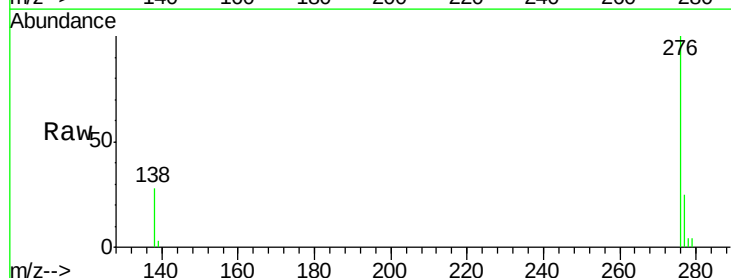
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.47 ng/ul
RT: 26.35 min Scan# 1886
Delta R.T. 0.00 min
Lab File: BM000664.D
Acq: 09 Mar 2015 17:10

Tgt Ion: 276 Resp: 13978

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.9	29.9
138	27.8	22.2	33.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

