

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030915\
 Data File : BM000666.D
 Acq On : 09 Mar 2015 18:21
 Operator : TP/IZ
 Sample : SSTD1.651
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.651

Quant Time: Mar 10 02:36:55 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	4982	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	17204	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	4556	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	16864	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	14061	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	12004	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	33558	1.47	ng/ul	-0.01
14) Fluoranthene-d10	19.09	212	54909	1.52	ng/ul	0.00

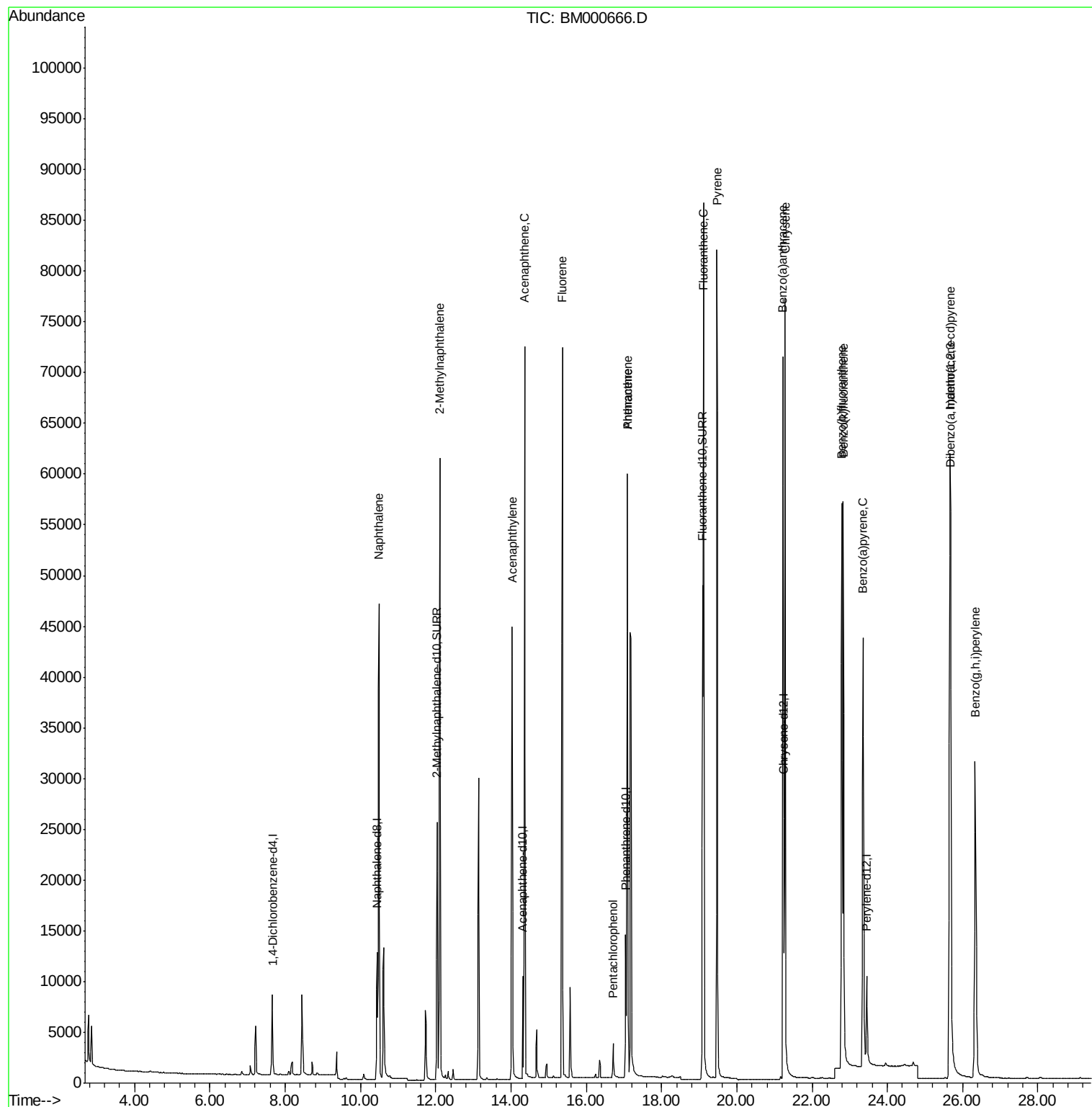
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	68516	1.56	ng/ul	98
5) 2-Methylnaphthalene	12.11	142	44876	1.47	ng/ul	99
7) Acenaphthylene	14.03	152	59329	2.77	ng/ul	98
8) Acenaphthene	14.36	153	45032	2.74	ng/ul	98
9) Fluorene	15.36	166	51963	2.59	ng/ul	99
11) Pentachlorophenol	16.71	266	2961	0.71	ng/ul	94
12) Phenanthrene	17.10	178	77970	1.61	ng/ul	99
13) Anthracene	17.10	178	77970	1.72	ng/ul	98
15) Fluoranthene	19.11	202	84880	1.55	ng/ul	99
17) Pyrene	19.48	202	86383	1.38	ng/ul	99
18) Benzo(a)anthracene	21.23	228	67525	1.53	ng/ul	99
19) Chrysene	21.28	228	75928	1.56	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	70665	1.57	ng/ul	94
22) Benzo(k)fluoranthene	22.83	252	69777	1.56	ng/ul	94
23) Benzo(a)pyrene	23.35	252	64976	1.59	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.67	276	73765	1.85	ng/ul	99
25) Dibenzo(a,h)anthracene	25.68	278	59852	1.88	ng/ul	94
26) Benzo(g,h,i)perylene	26.33	276	64556	1.85	ng/ul	97

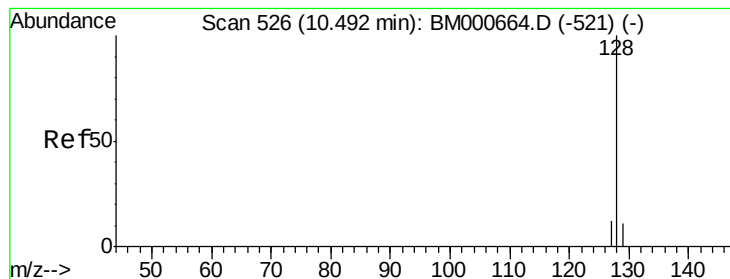
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.56 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. -0.00 min

Lab File: BM000666.D

Acq: 09 Mar 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD1.651

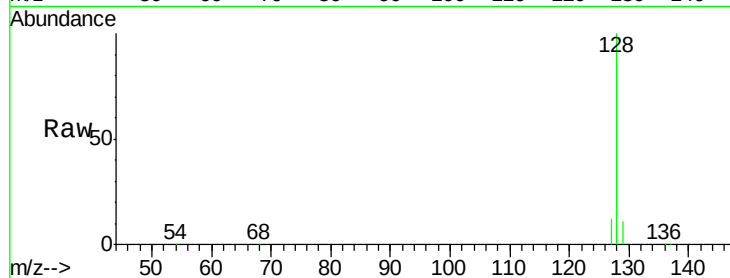
Tgt Ion:128 Resp: 68516

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

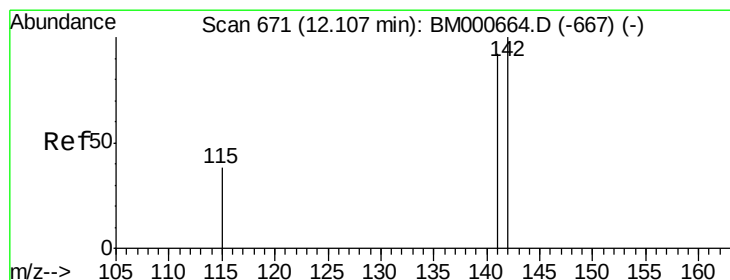
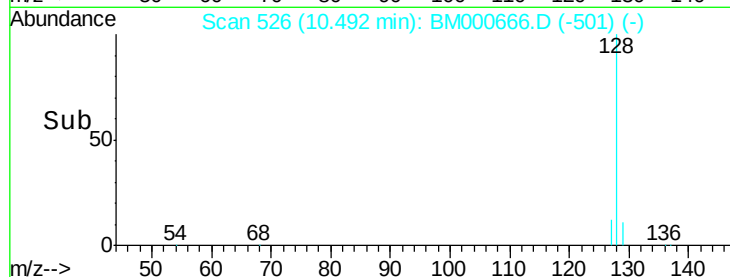
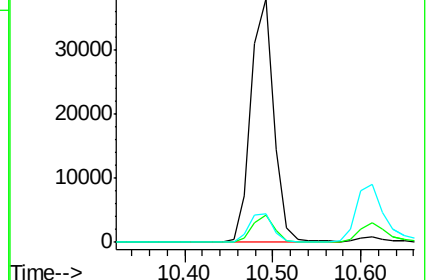
127 11.8 10.1 15.1



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: 1.47 ng/ul

RT: 12.11 min Scan# 671

Delta R.T. -0.00 min

Lab File: BM000666.D

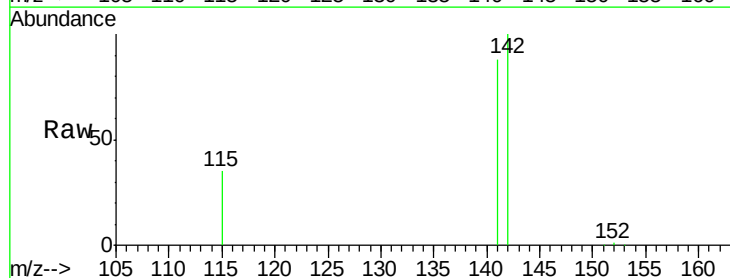
Acq: 09 Mar 2015 18:21

Tgt Ion:142 Resp: 44876

Ion Ratio Lower Upper

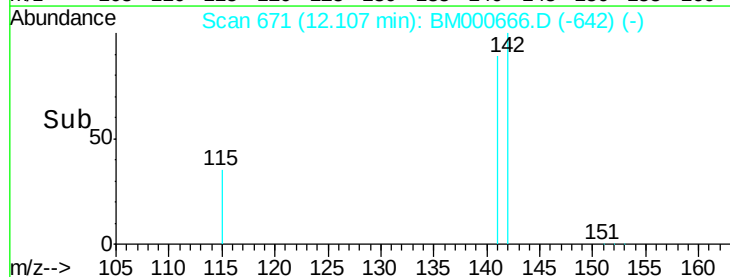
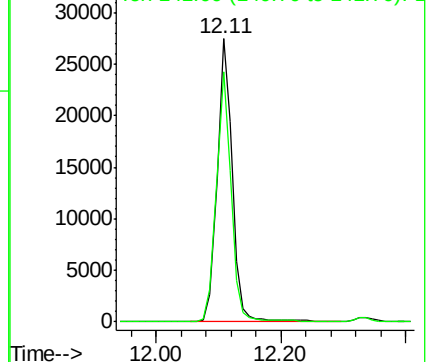
142 100

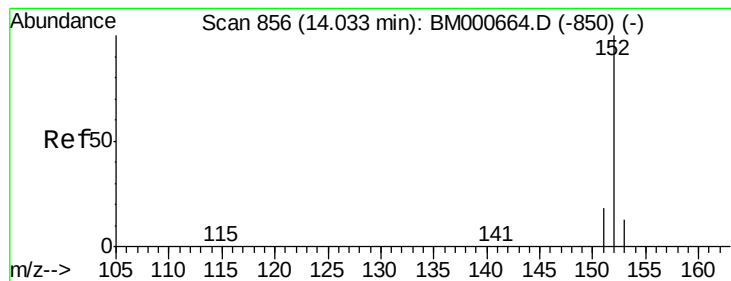
141 87.5 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.77 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM000666.D

Acq: 09 Mar 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD1.651

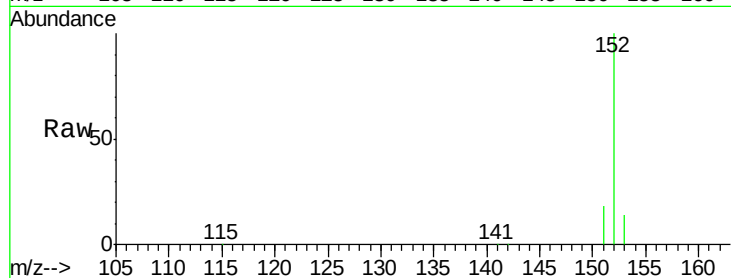
Tgt Ion:152 Resp: 59329

Ion Ratio Lower Upper

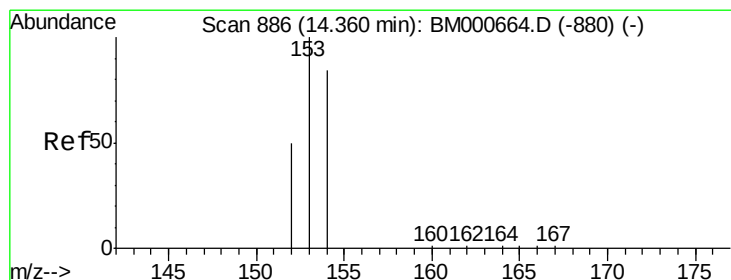
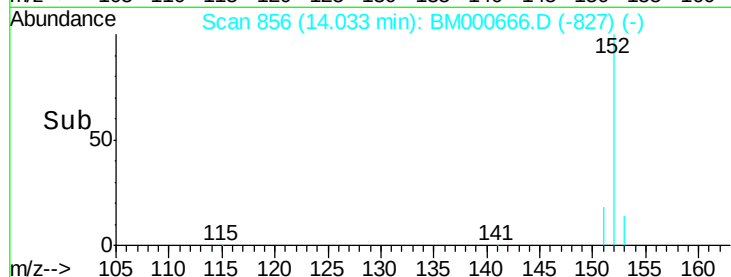
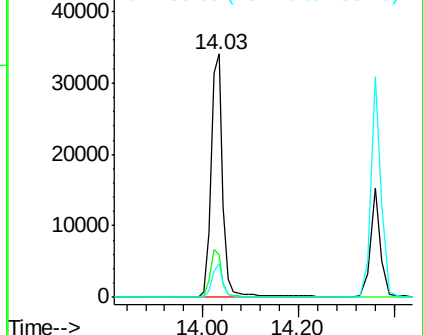
152 100

151 17.7 15.0 22.6

153 13.7 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: 2.74 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. -0.00 min

Lab File: BM000666.D

Acq: 09 Mar 2015 18:21

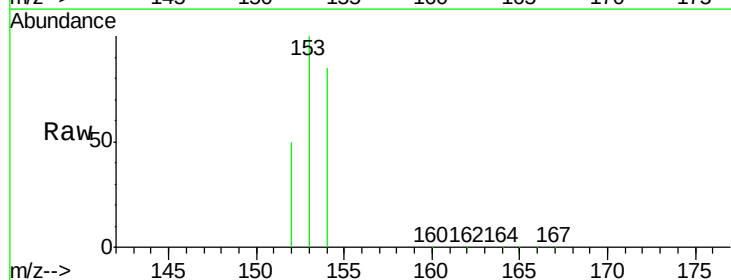
Tgt Ion:153 Resp: 45032

Ion Ratio Lower Upper

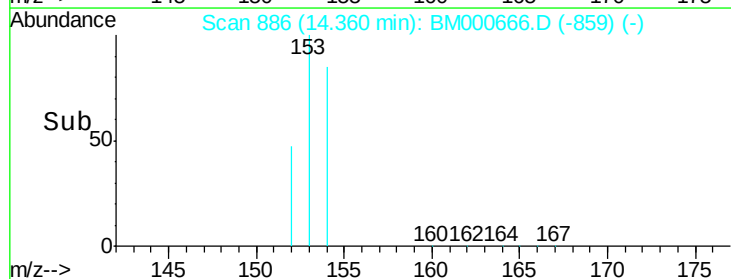
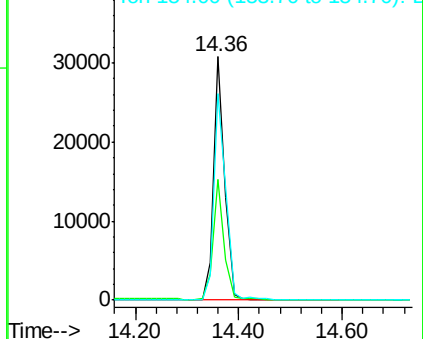
153 100

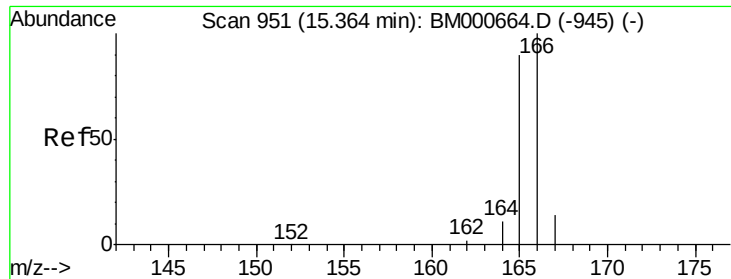
152 49.5 41.0 61.4

154 84.8 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

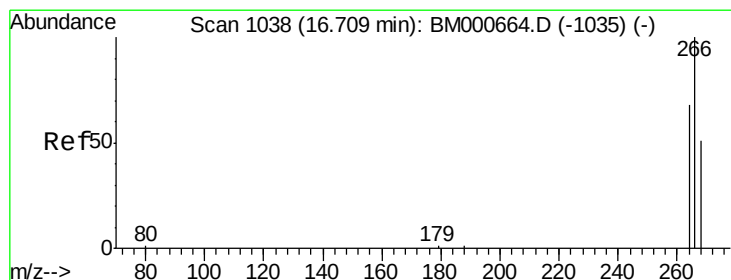
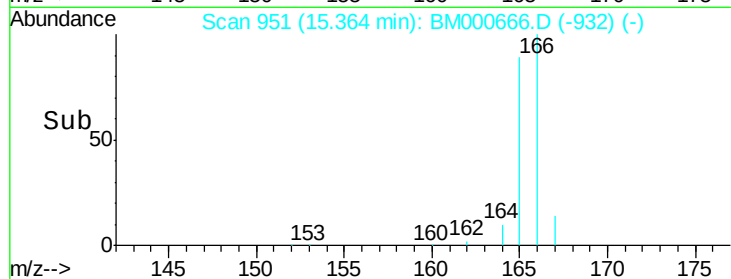
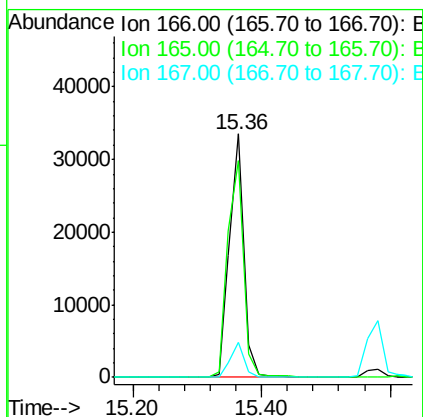
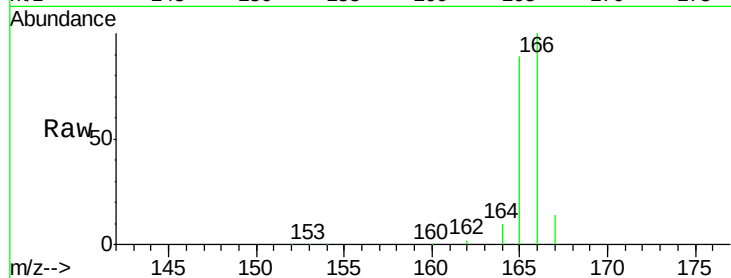




#9
Fluorene
 Concen: 2.59 ng/ul
 RT: 15.36 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BM000666.D
 Acq: 09 Mar 2015 18:21

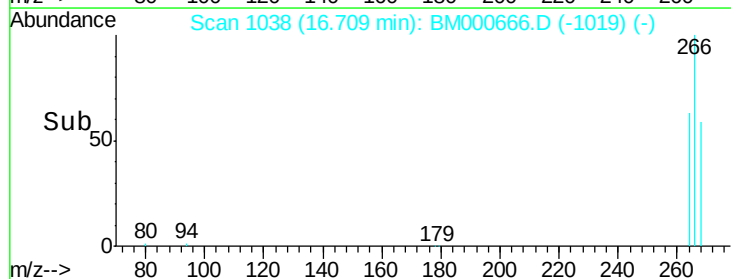
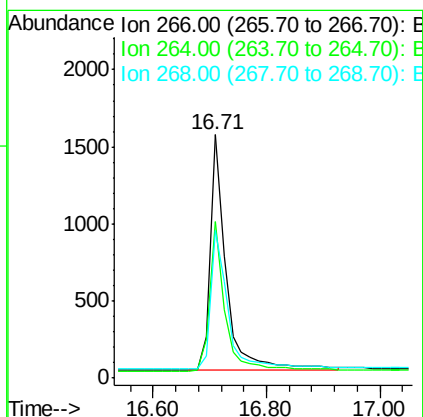
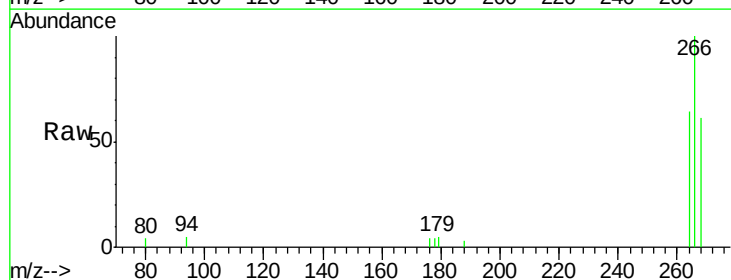
Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.651

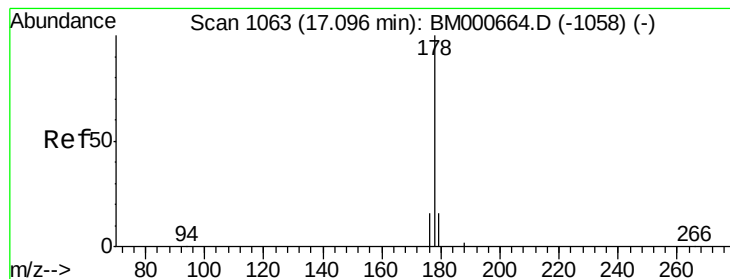
Tgt Ion:166 Resp: 51963
 Ion Ratio Lower Upper
 166 100
 165 89.1 72.3 108.5
 167 14.2 11.8 17.6



#11
Pentachlorophenol
 Concen: 0.71 ng/ul
 RT: 16.71 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BM000666.D
 Acq: 09 Mar 2015 18:21

Tgt Ion:266 Resp: 2961
 Ion Ratio Lower Upper
 266 100
 264 62.6 50.7 76.1
 268 64.7 44.5 66.7





#12

Phenanthrene

Concen: 1.61 ng/ul

RT: 17.10 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BM000666.D

Acq: 09 Mar 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD1.651

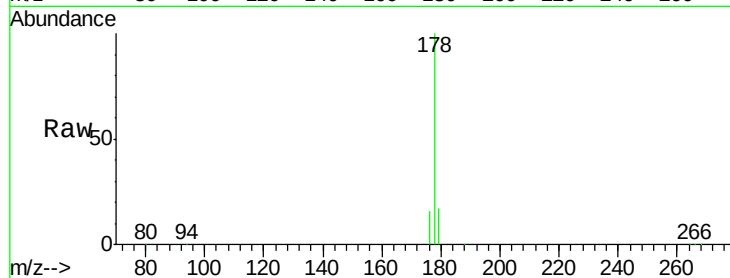
Tgt Ion:178 Resp: 77970

Ion Ratio Lower Upper

178 100

176 16.3 13.5 20.3

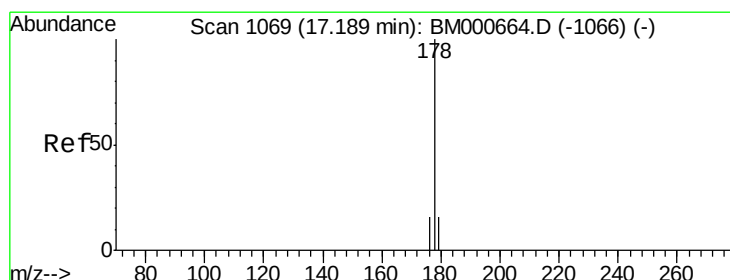
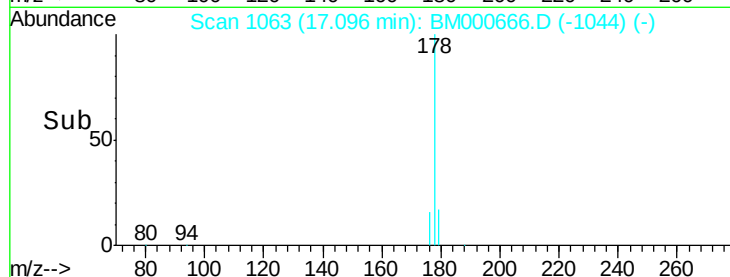
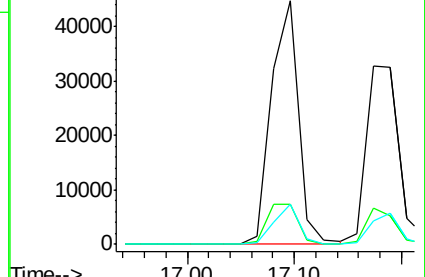
179 16.7 13.8 20.6



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: 1.72 ng/ul

RT: 17.10 min Scan# 1063

Delta R.T. -0.09 min

Lab File: BM000666.D

Acq: 09 Mar 2015 18:21

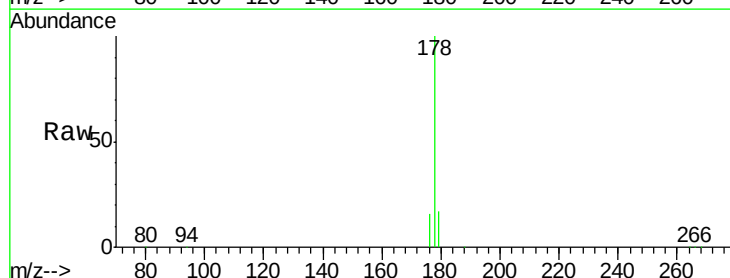
Tgt Ion:178 Resp: 77970

Ion Ratio Lower Upper

178 100

176 16.3 13.8 20.6

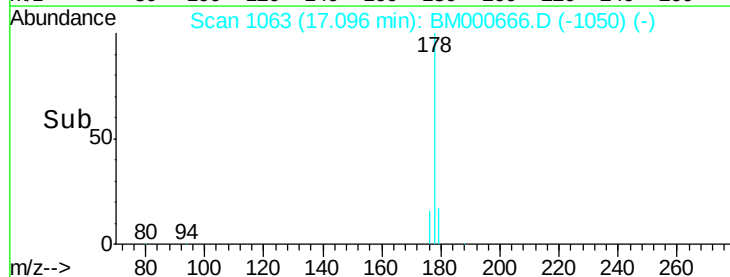
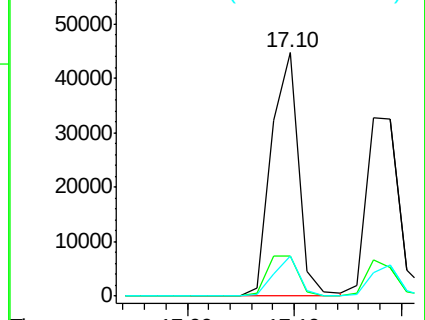
179 16.7 13.8 20.8

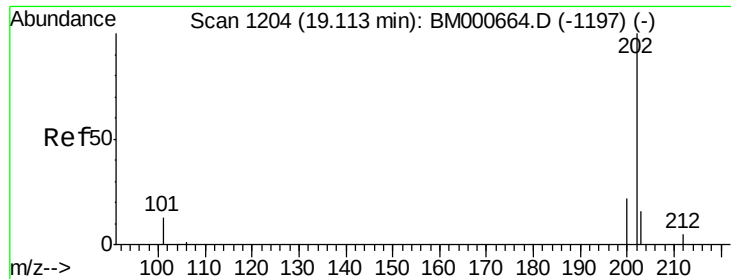


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

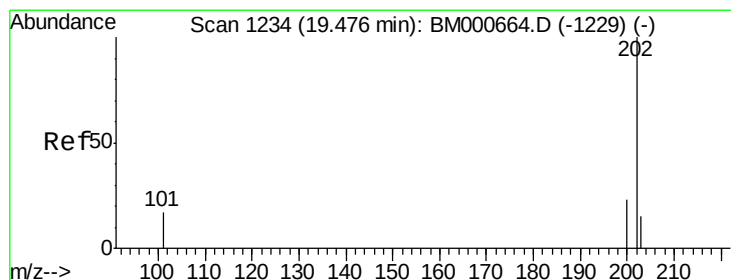
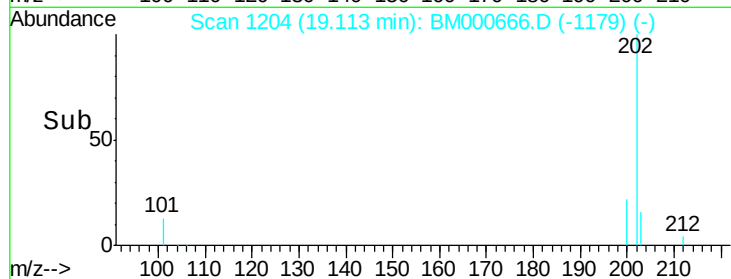
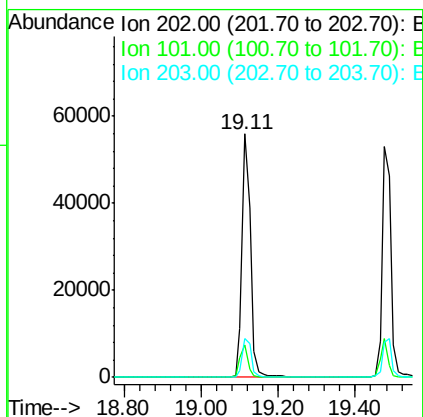
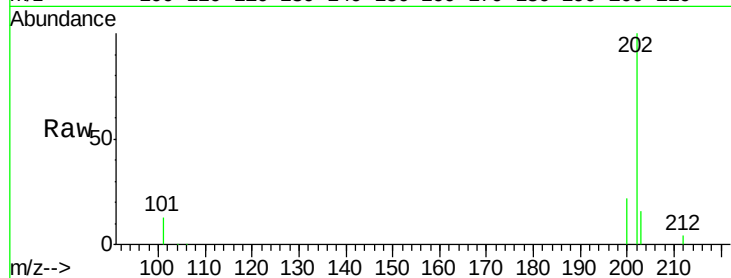




#15
Fluoranthene
Concen: 1.55 ng/ul
RT: 19.11 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BM000666.D
Acq: 09 Mar 2015 18:21

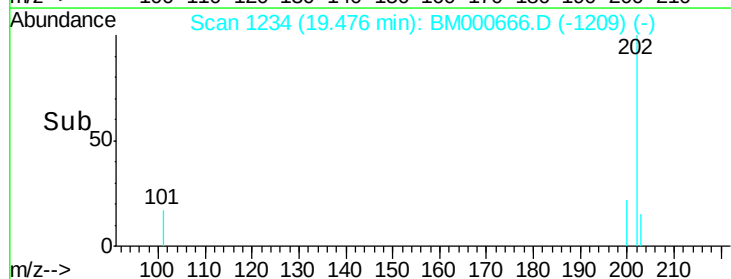
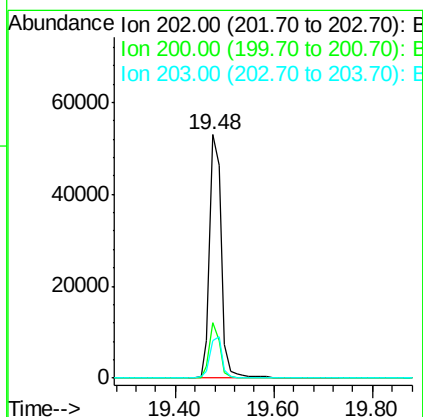
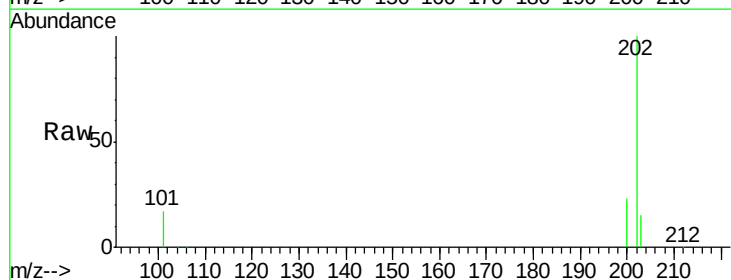
Instrument :
BNA_M
ClientSampleId :
SSTD1.651

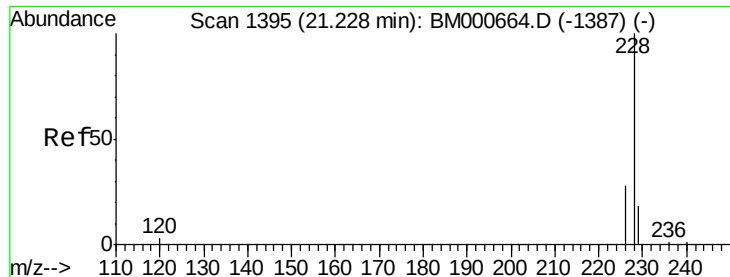
Tgt Ion:202 Resp: 84880
Ion Ratio Lower Upper
202 100
101 13.1 0.0 33.7
203 15.8 0.0 36.0



#17
Pyrene
Concen: 1.38 ng/ul
RT: 19.48 min Scan# 1234
Delta R.T. -0.00 min
Lab File: BM000666.D
Acq: 09 Mar 2015 18:21

Tgt Ion:202 Resp: 86383
Ion Ratio Lower Upper
202 100
200 22.5 18.3 27.5
203 15.3 12.7 19.1





#18

Benzo(a)anthracene

Concen: 1.53 ng/ul

RT: 21.23 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BM000666.D

Acq: 09 Mar 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD1.651

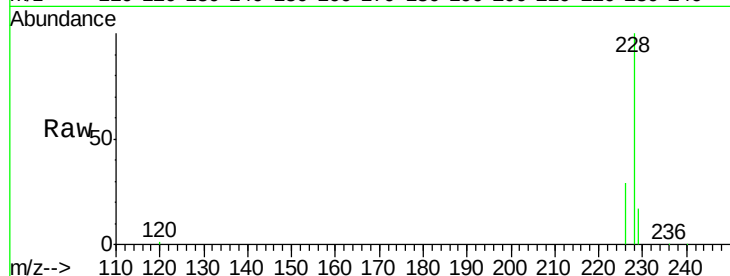
Tgt Ion:228 Resp: 67525

Ion Ratio Lower Upper

228 100

226 28.5 22.8 34.2

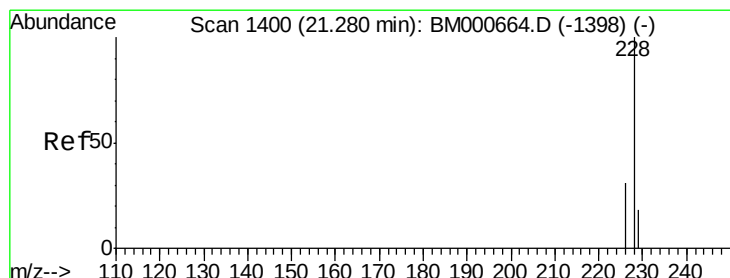
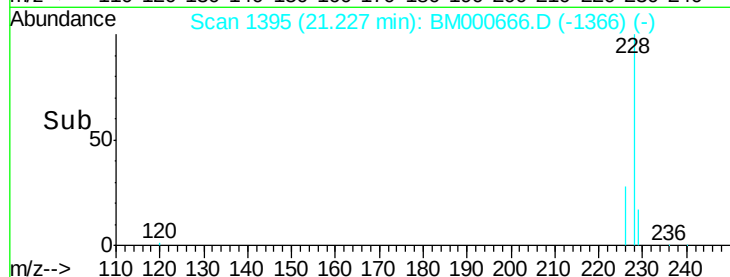
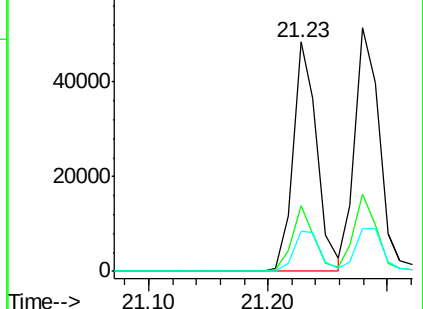
229 17.5 14.8 22.2



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: 1.56 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BM000666.D

Acq: 09 Mar 2015 18:21

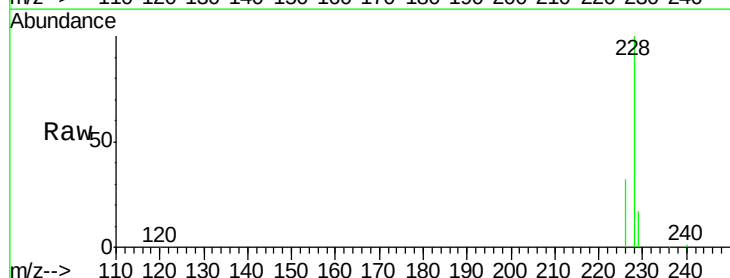
Tgt Ion:228 Resp: 75928

Ion Ratio Lower Upper

228 100

226 31.6 25.1 37.7

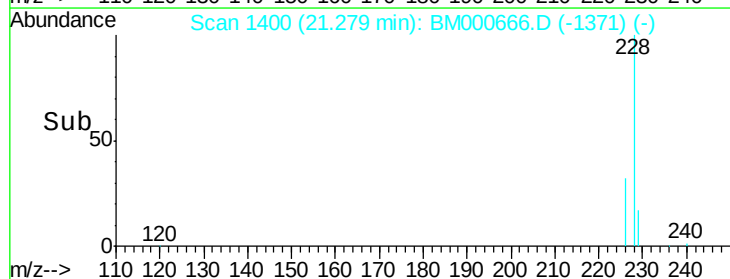
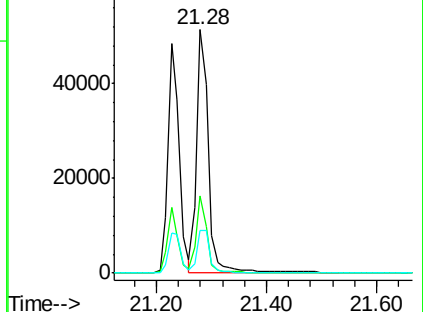
229 17.3 14.7 22.1

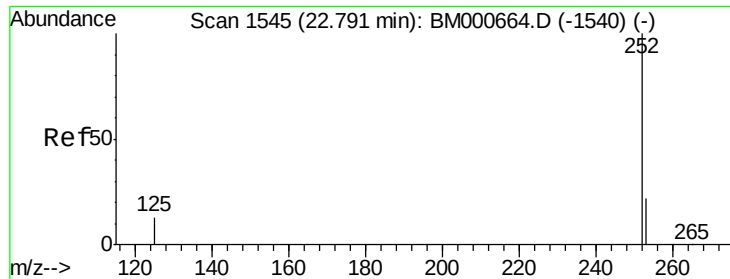


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 1.57 ng/ul

RT: 22.79 min Scan# 1545

Delta R.T. -0.00 min

Lab File: BM000666.D

Acq: 09 Mar 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD1.651

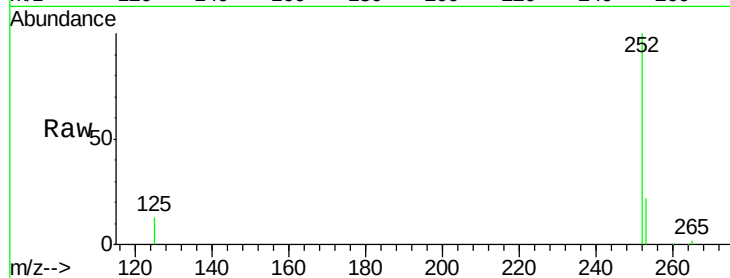
Tgt Ion:252 Resp: 70665

Ion Ratio Lower Upper

252 100

253 22.5 0.0 51.4

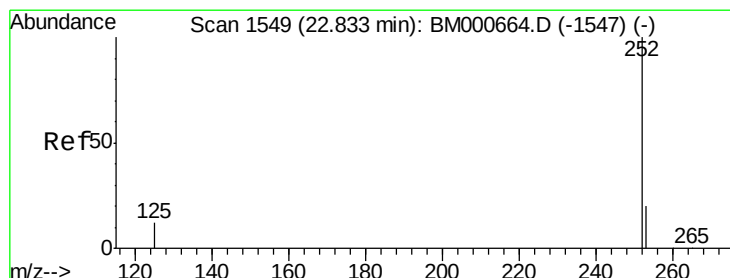
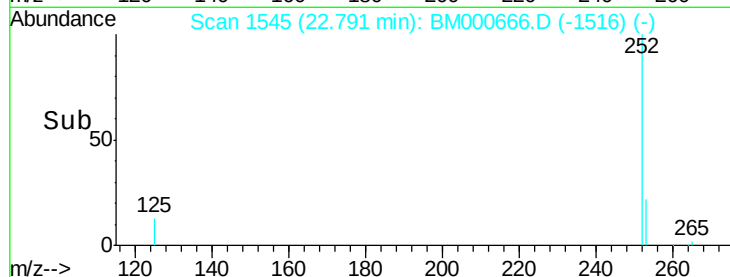
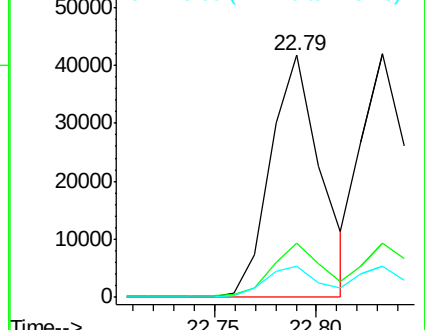
125 12.6 0.0 28.6



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: 1.56 ng/ul

RT: 22.83 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BM000666.D

Acq: 09 Mar 2015 18:21

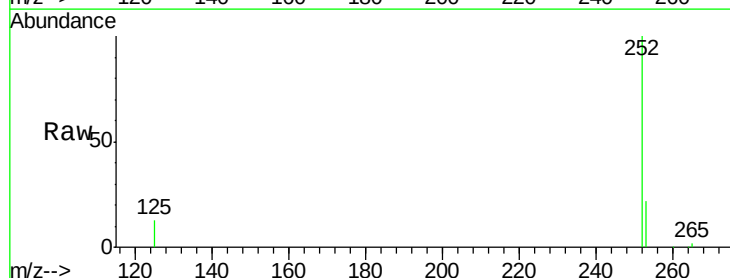
Tgt Ion:252 Resp: 69777

Ion Ratio Lower Upper

252 100

253 22.1 20.3 30.5

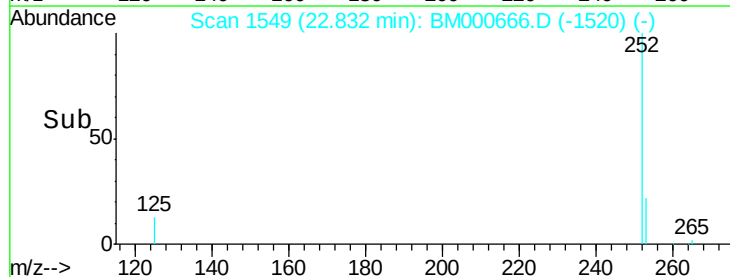
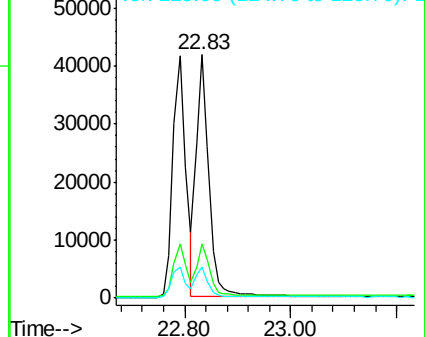
125 12.6 11.6 17.4

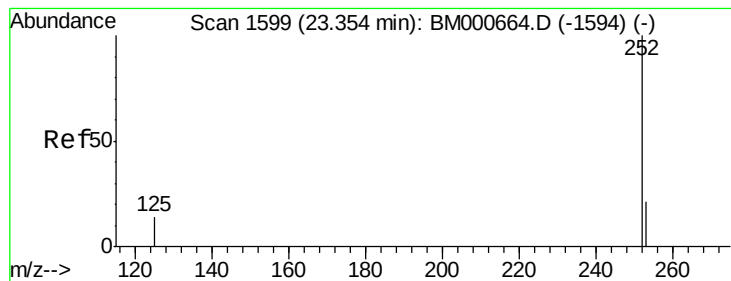


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.59 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BM000666.D

Acq: 09 Mar 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD1.651

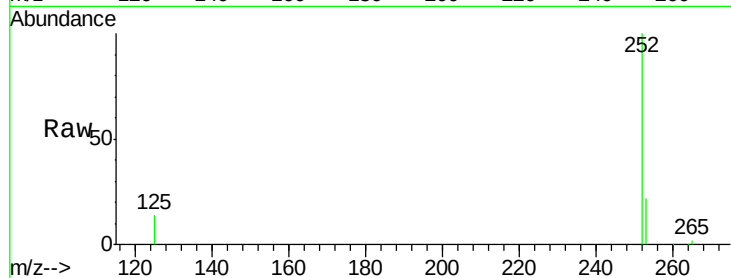
Tgt Ion: 252 Resp: 64976

Ion Ratio Lower Upper

252 100

253 22.4 21.3 31.9

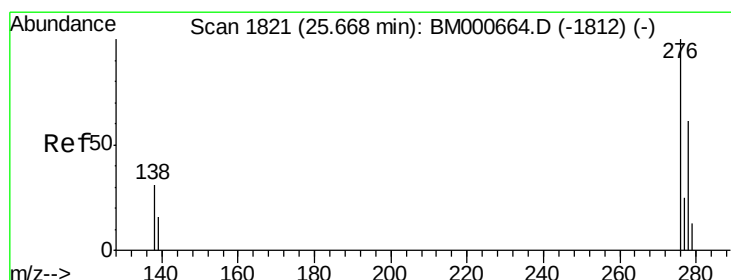
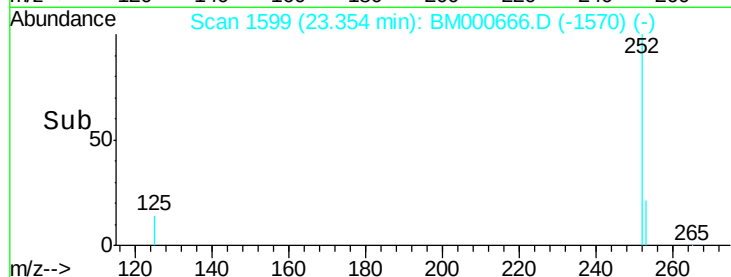
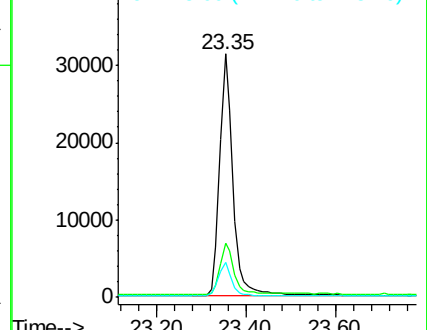
125 14.2 13.2 19.8



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: 1.85 ng/ul

RT: 25.67 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BM000666.D

Acq: 09 Mar 2015 18:21

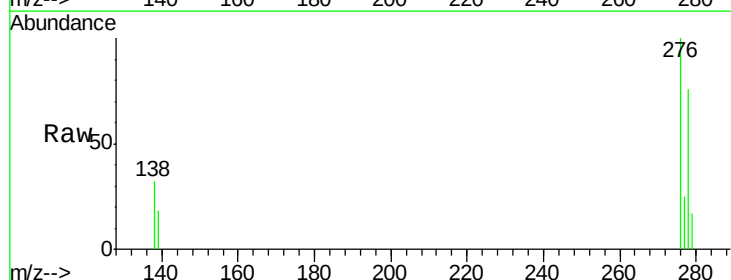
Tgt Ion: 276 Resp: 73765

Ion Ratio Lower Upper

276 100

138 32.7 25.8 38.8

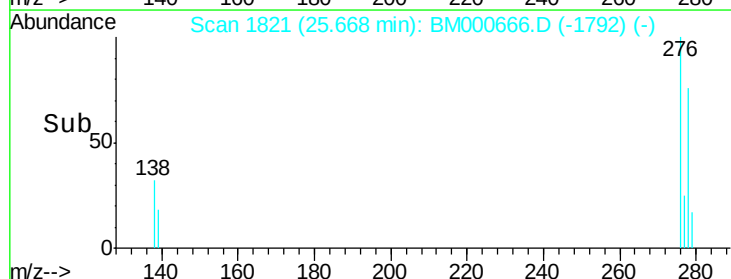
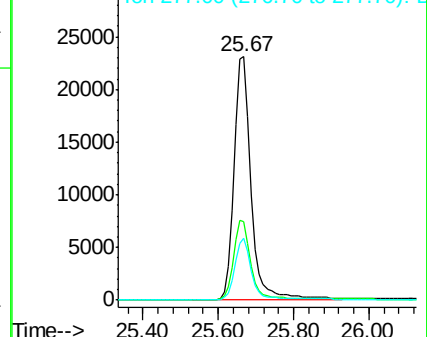
277 24.5 20.2 30.4

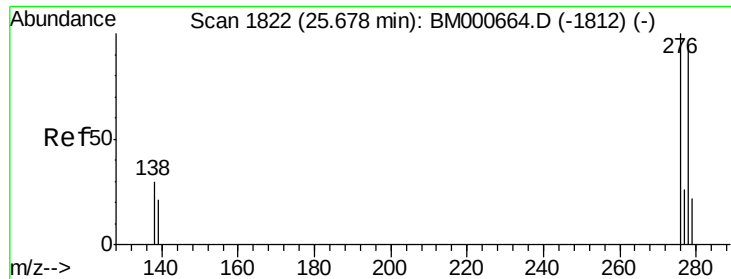


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

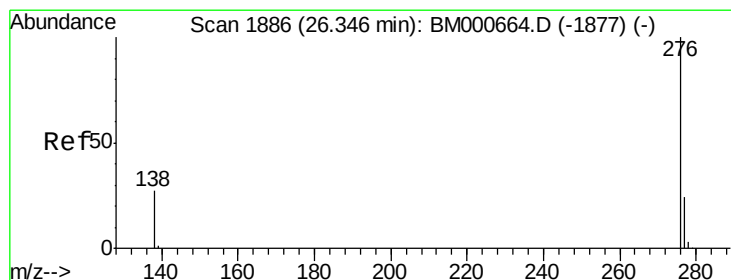
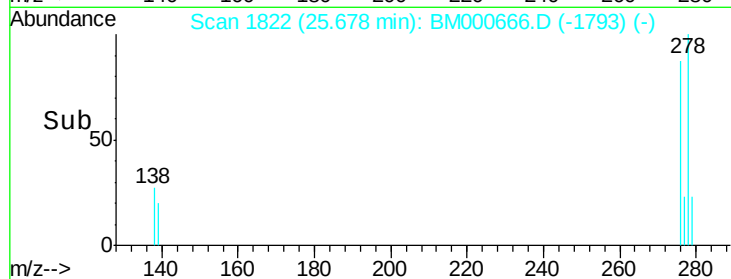
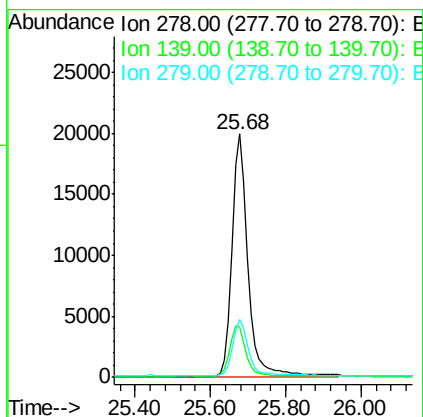
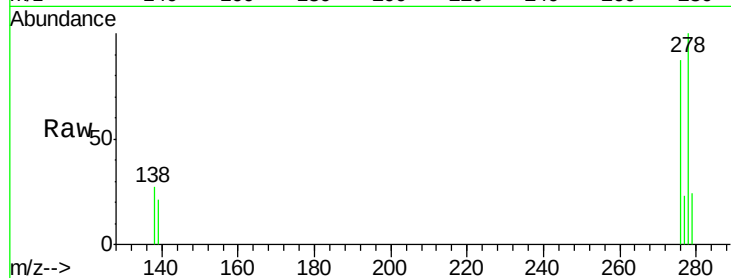




#25
Dibenzo(a,h)anthracene
Concen: 1.88 ng/ul
RT: 25.68 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BM000666.D
Acq: 09 Mar 2015 18:21

Instrument :
BNA_M
ClientSampleId :
SSTD1.651

Tgt Ion: 278 Resp: 59852
Ion Ratio Lower Upper
278 100
139 20.6 18.8 28.2
279 23.8 21.4 32.0



#26
Benzo(g,h,i)perylene
Concen: 1.85 ng/ul
RT: 26.33 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BM000666.D
Acq: 09 Mar 2015 18:21

Tgt Ion: 276 Resp: 64556
Ion Ratio Lower Upper
276 100
277 22.8 19.9 29.9
138 28.5 22.2 33.4

