

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031215\
 Data File : BM000697.D
 Acq On : 12 Mar 2015 13:55
 Operator : TP/IZ
 Sample : SSTD0.171
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.171

Quant Time: Mar 13 01:40:03 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM031215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 13 01:28:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4411	4.00	ng/ul	0.00
2) Naphthalene-d8	10.43	136	15578	4.00	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	2415	4.00	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	19976	4.00	ng/ul	0.00
16) Chrysene-d12	21.25	240	17734	4.00	ng/ul	0.00
20) Perylene-d12	23.44	264	15696	4.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	2027	0.10	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	4455	0.10	ng/ul	0.00

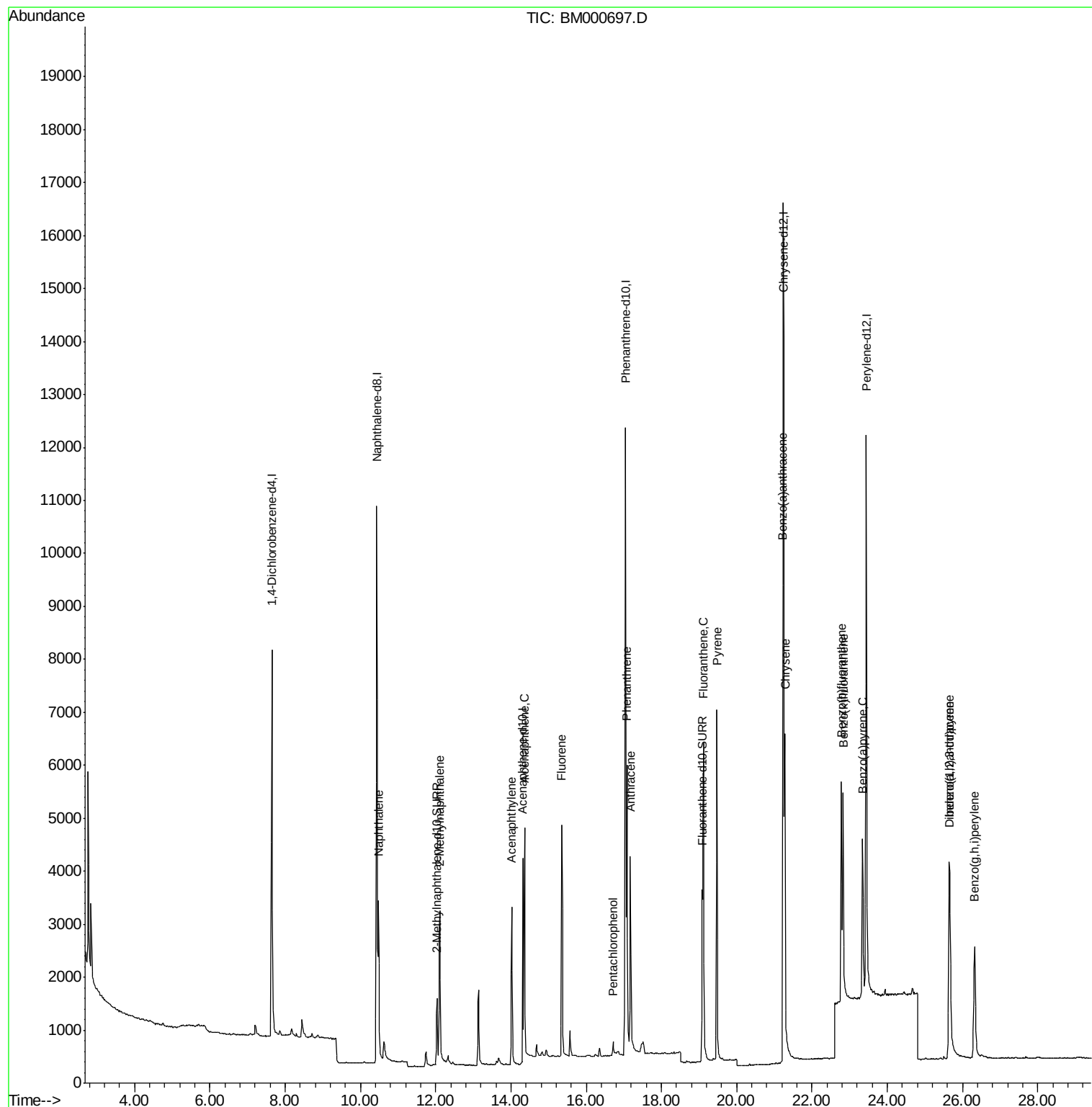
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	4069	0.10	ng/ul	95
5) 2-Methylnaphthalene	12.11	142	2740	0.10	ng/ul	100
7) Acenaphthylene	14.02	152	3756	0.09	ng/ul	97
8) Acenaphthene	14.36	153	2842	0.09	ng/ul	99
9) Fluorene	15.35	166	3514	0.09	ng/ul	97
11) Pentachlorophenol	16.71	266	334	0.13	ng/ul	90
12) Phenanthrene	17.08	178	5805	0.10	ng/ul	97
13) Anthracene	17.17	178	5170	0.10	ng/ul	96
15) Fluoranthene	19.11	202	6560	0.10	ng/ul	97
17) Pyrene	19.48	202	6800	0.10	ng/ul	99
18) Benzo(a)anthracene	21.23	228	5206	0.10	ng/ul	98
19) Chrysene	21.28	228	6610	0.10	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	5578	0.10	ng/ul	85
22) Benzo(k)fluoranthene	22.82	252	5742	0.10	ng/ul#	81
23) Benzo(a)pyrene	23.34	252	5390	0.10	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.65	276	5360	0.09	ng/ul	99
25) Dibenzo(a,h)anthracene	25.66	278	4246	0.09	ng/ul#	86
26) Benzo(g,h,i)perylene	26.31	276	4778	0.09	ng/ul	94

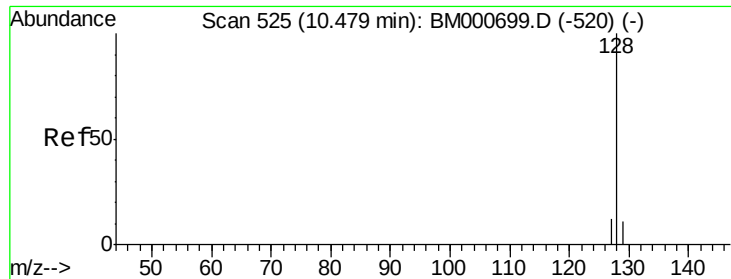
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.48 min Scan# 525

Delta R.T. 0.00 min

Lab File: BM000697.D

Acq: 12 Mar 2015 13:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.171

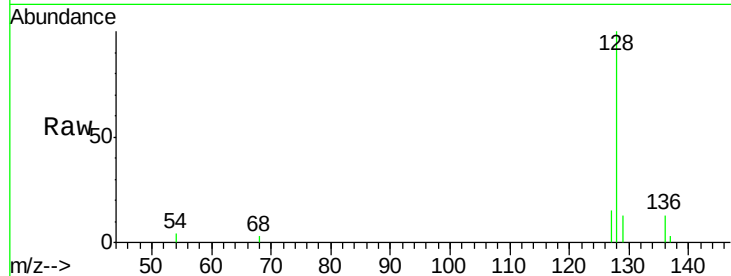
Tgt Ion:128 Resp: 4069

Ion Ratio Lower Upper

128 100

129 12.9 8.9 13.3

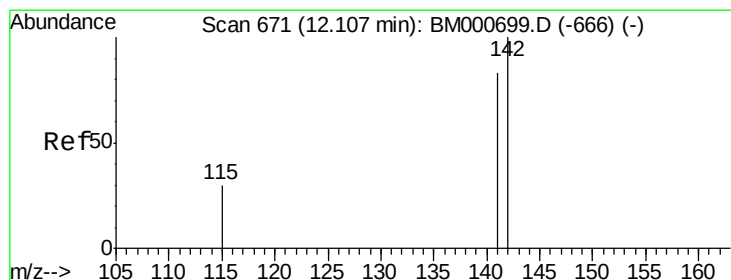
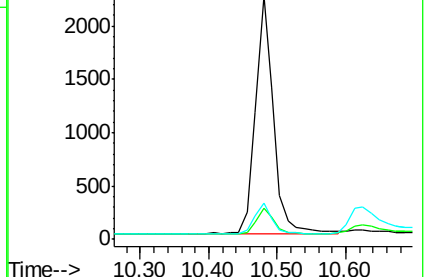
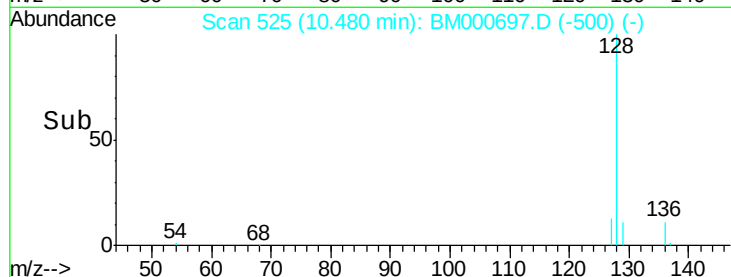
127 14.8 10.2 15.2



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: 0.10 ng/ul

RT: 12.11 min Scan# 671

Delta R.T. 0.00 min

Lab File: BM000697.D

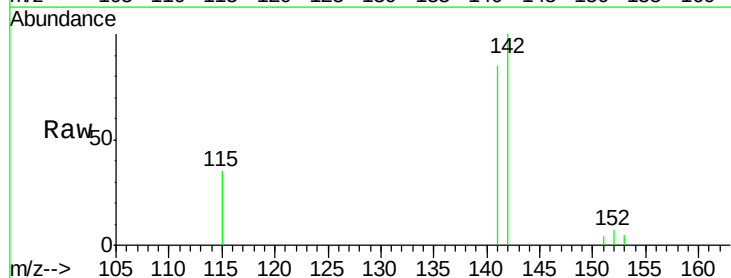
Acq: 12 Mar 2015 13:55

Tgt Ion:142 Resp: 2740

Ion Ratio Lower Upper

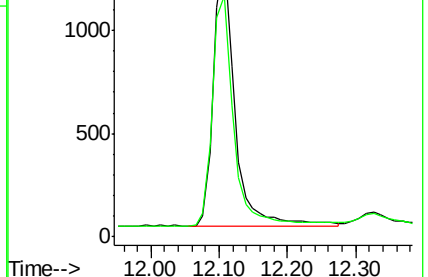
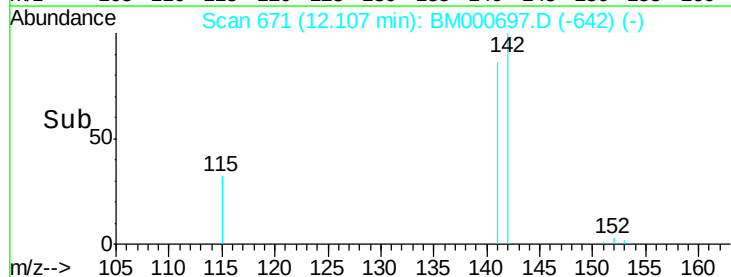
142 100

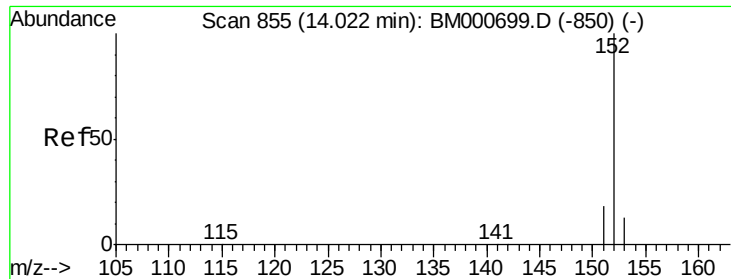
141 87.7 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.09 ng/ul

RT: 14.02 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM000697.D

Acq: 12 Mar 2015 13:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.171

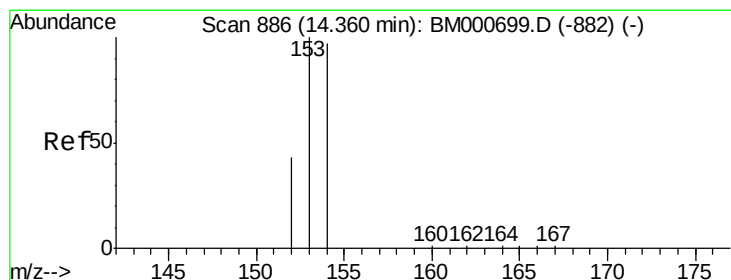
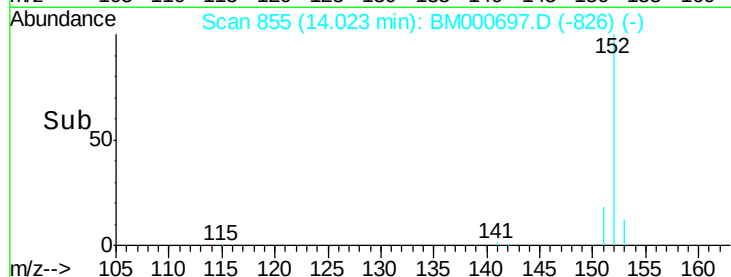
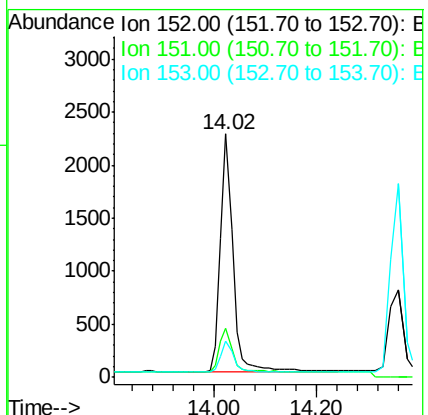
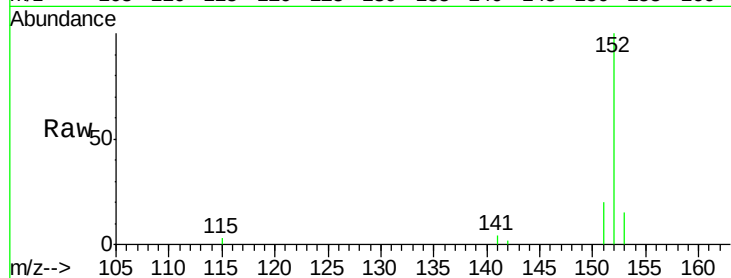
Tgt Ion:152 Resp: 3756

Ion Ratio Lower Upper

152 100

151 20.0 15.0 22.6

153 14.9 10.7 16.1



#8

Acenaphthene

Concen: 0.09 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. 0.00 min

Lab File: BM000697.D

Acq: 12 Mar 2015 13:55

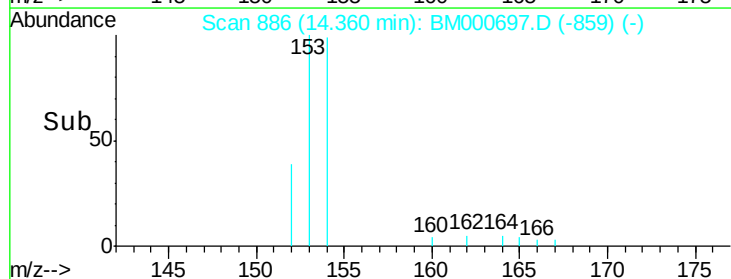
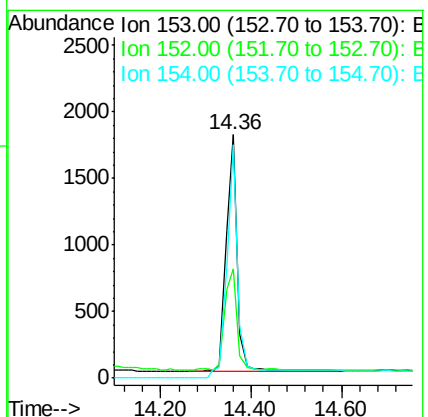
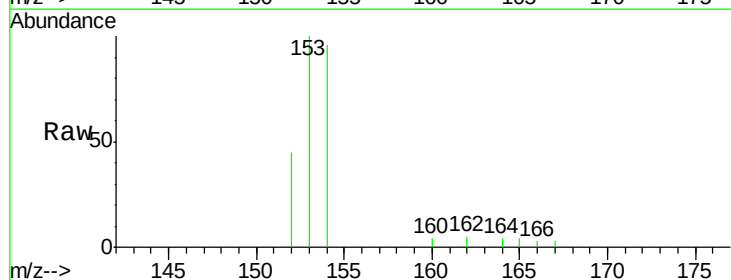
Tgt Ion:153 Resp: 2842

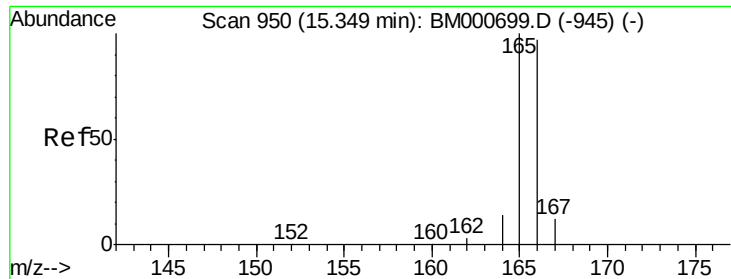
Ion Ratio Lower Upper

153 100

152 45.1 34.7 52.1

154 95.8 77.3 115.9

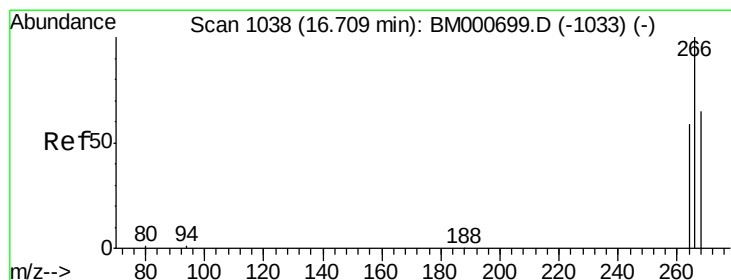
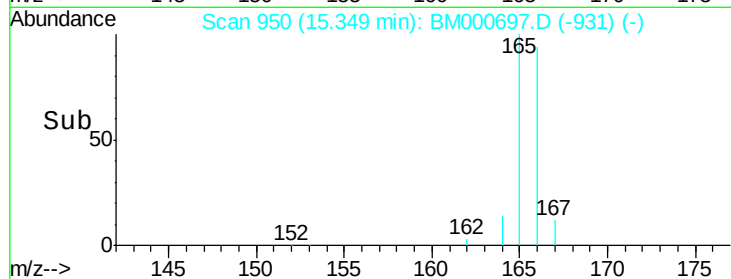
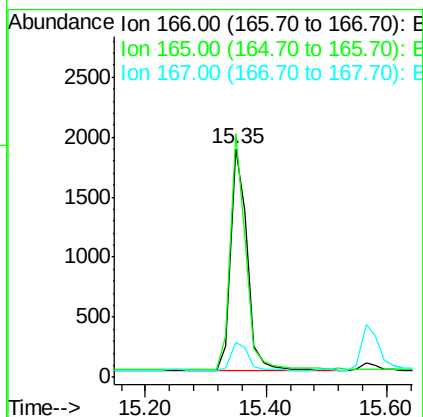
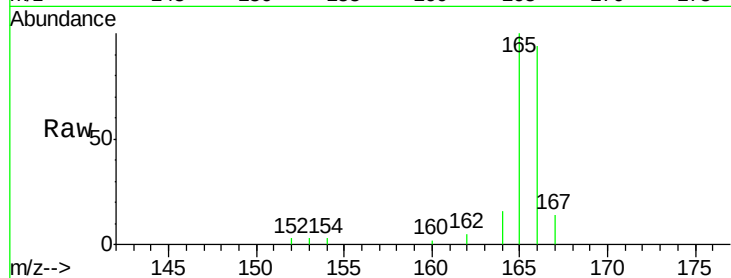




#9
Fluorene
 Concen: 0.09 ng/ul
 RT: 15.35 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BM000697.D
 Acq: 12 Mar 2015 13:55

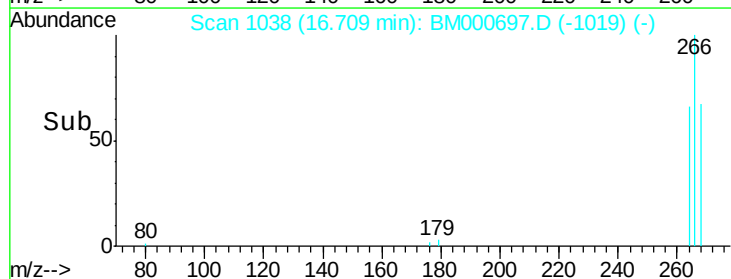
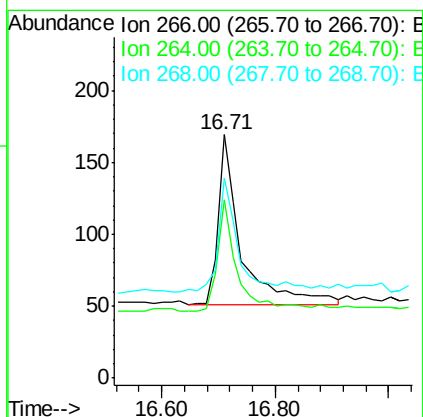
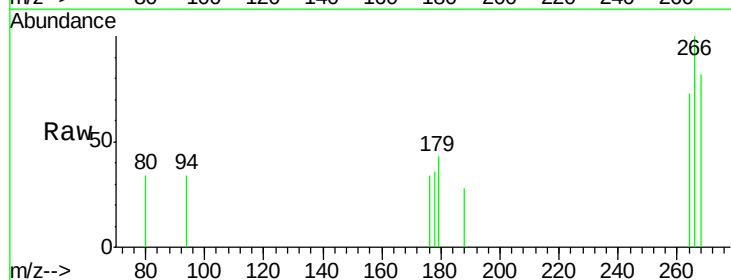
Instrument :
 BNA_M
 ClientSampleId :
 SST0.171

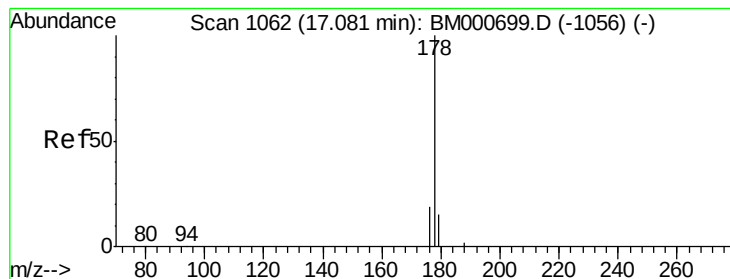
Tgt Ion:166 Resp: 3514
 Ion Ratio Lower Upper
 166 100
 165 106.5 83.0 124.4
 167 15.2 10.3 15.5



#11
Pentachlorophenol
 Concen: 0.13 ng/ul
 RT: 16.71 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BM000697.D
 Acq: 12 Mar 2015 13:55

Tgt Ion:266 Resp: 334
 Ion Ratio Lower Upper
 266 100
 264 54.8 48.8 73.2
 268 55.1 51.7 77.5





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 17.08 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BM000697.D

Acq: 12 Mar 2015 13:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.171

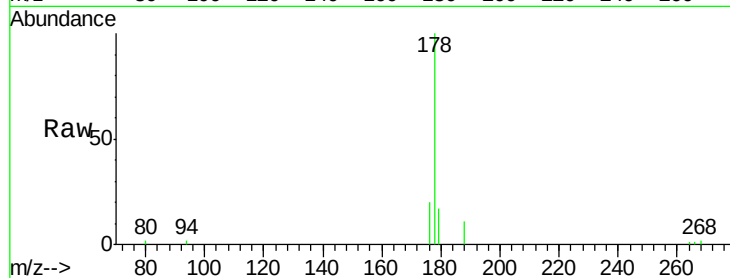
Tgt Ion:178 Resp: 5805

Ion Ratio Lower Upper

178 100

176 19.8 15.5 23.3

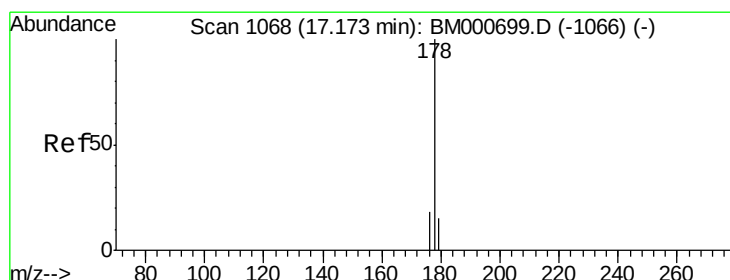
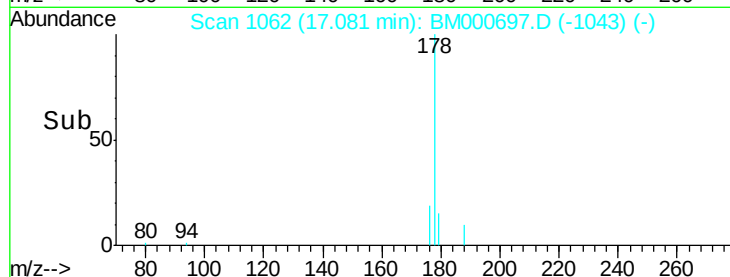
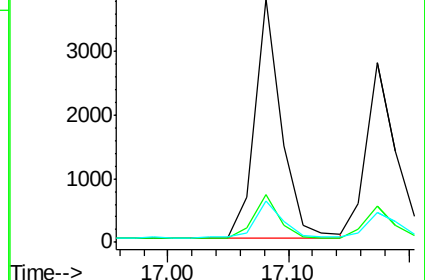
179 17.0 12.1 18.1



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: 0.10 ng/ul

RT: 17.17 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BM000697.D

Acq: 12 Mar 2015 13:55

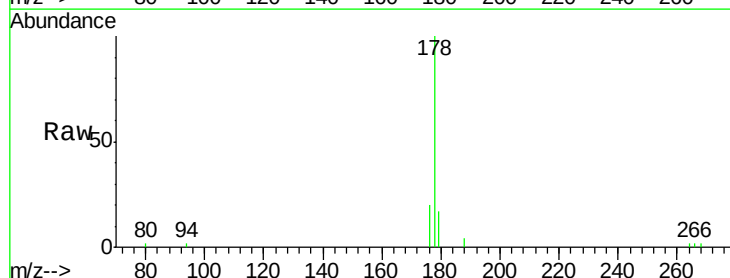
Tgt Ion:178 Resp: 5170

Ion Ratio Lower Upper

178 100

176 20.0 14.6 22.0

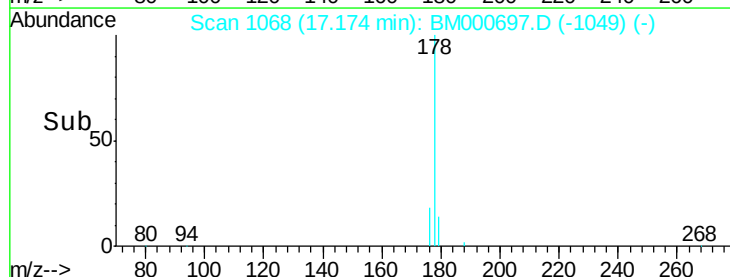
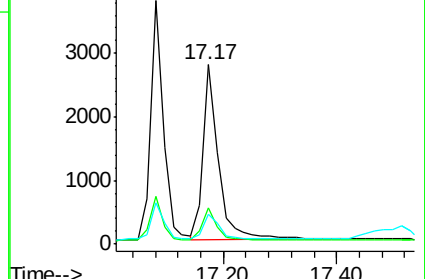
179 16.8 12.2 18.2

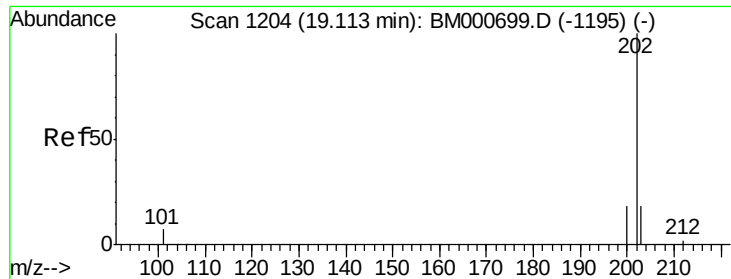


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.10 ng/ul

RT: 19.11 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BM000697.D

Acq: 12 Mar 2015 13:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.171

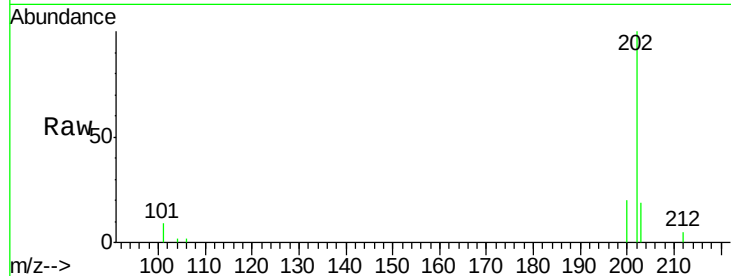
Tgt Ion:202 Resp: 6560

Ion Ratio Lower Upper

202 100

101 8.8 0.0 27.4

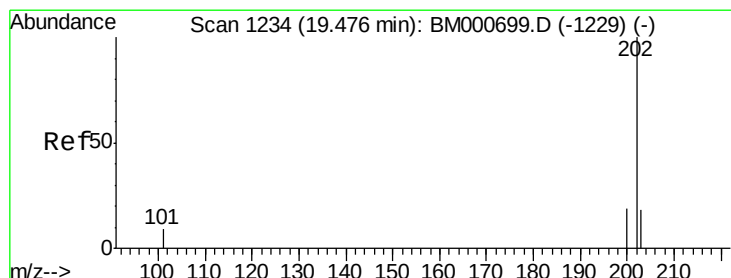
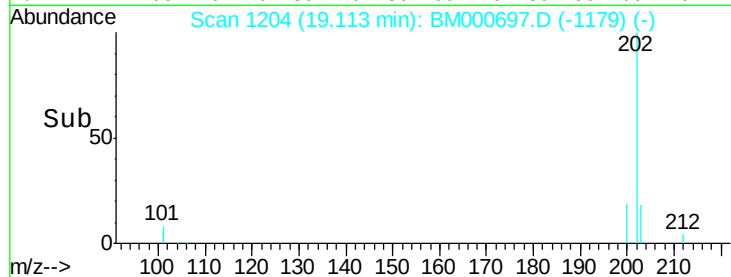
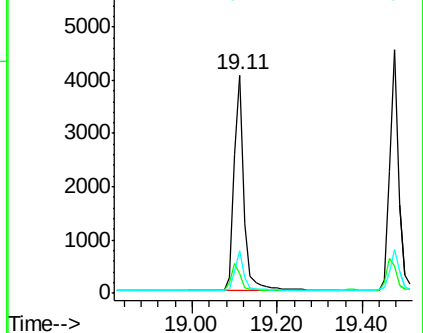
203 19.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#17

Pyrene

Concen: 0.10 ng/ul

RT: 19.48 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BM000697.D

Acq: 12 Mar 2015 13:55

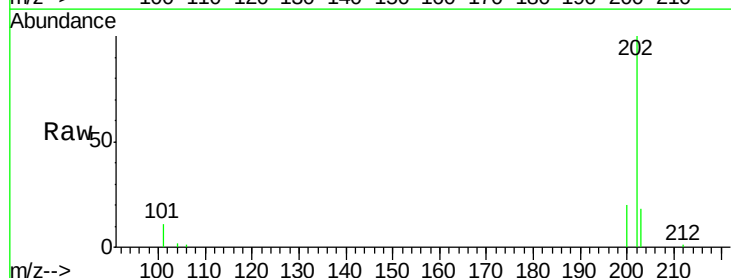
Tgt Ion:202 Resp: 6800

Ion Ratio Lower Upper

202 100

200 20.4 15.5 23.3

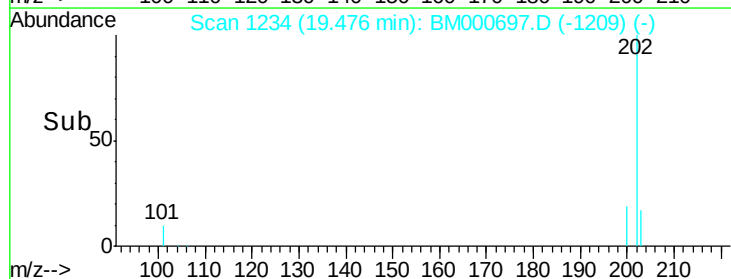
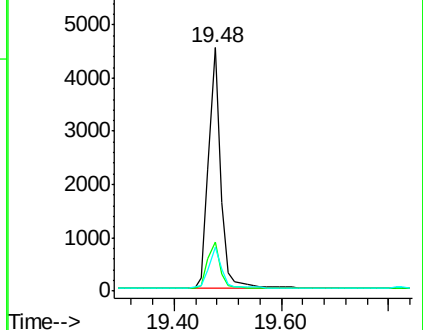
203 18.2 14.4 21.6

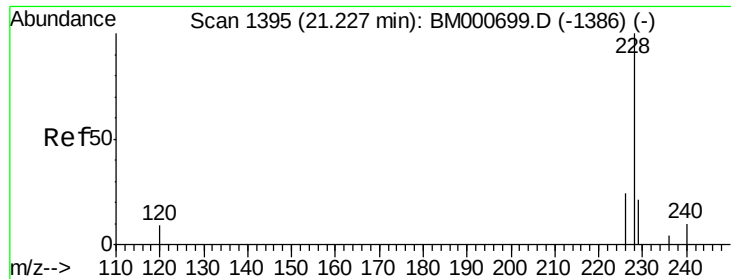


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.10 ng/ul

RT: 21.23 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BM000697.D

Acq: 12 Mar 2015 13:55

Instrument :

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SSTD0.171

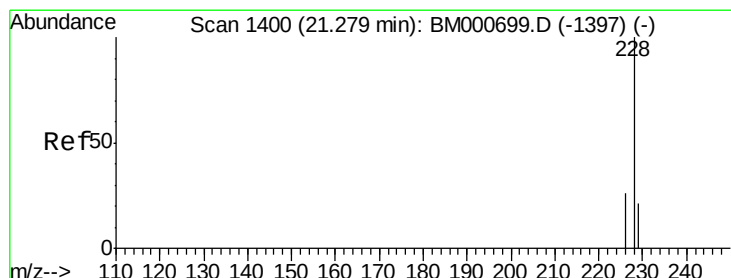
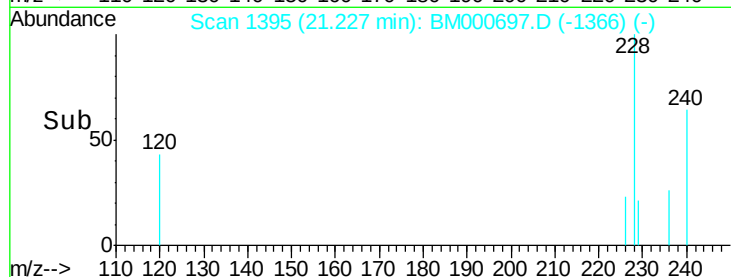
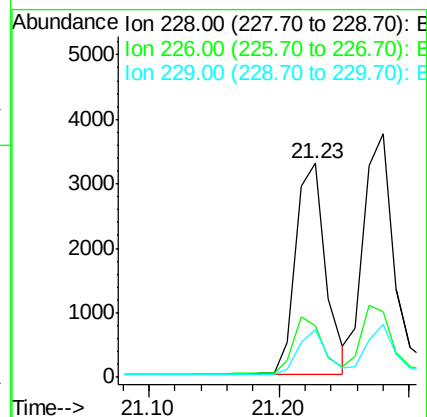
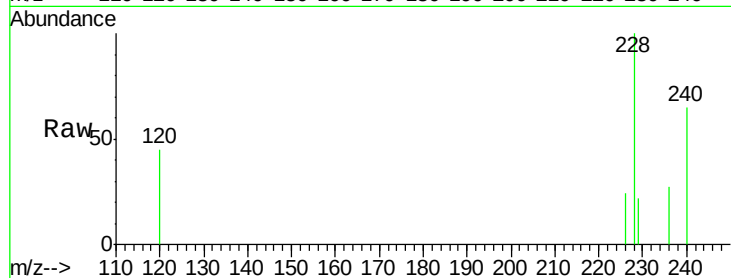
Tgt Ion:228 Resp: 5206

Ion Ratio Lower Upper

228 100

226 24.1 19.1 28.7

229 22.3 16.7 25.1



#19

Chrysene

Concen: 0.10 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BM000697.D

Acq: 12 Mar 2015 13:55

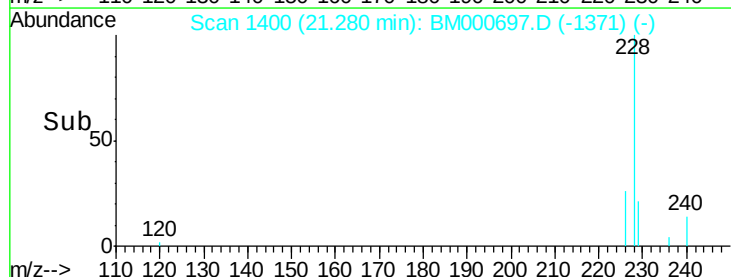
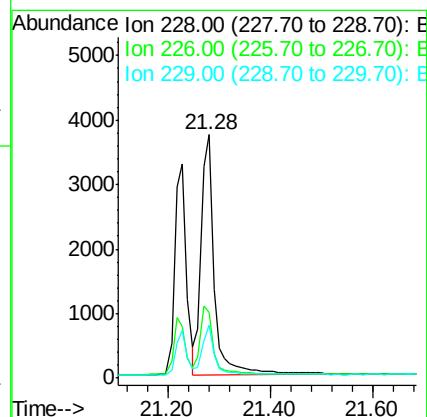
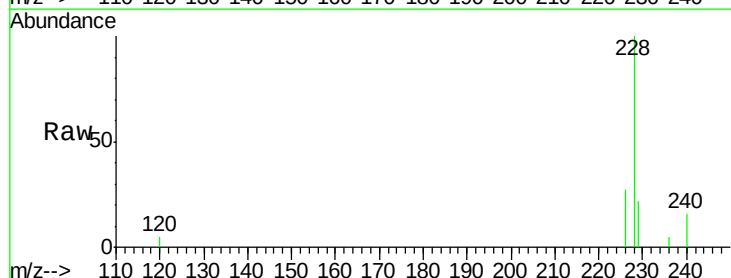
Tgt Ion:228 Resp: 6610

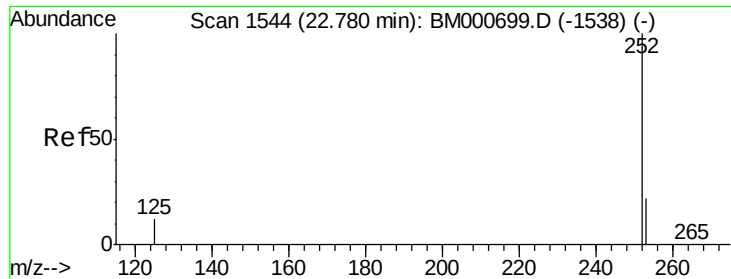
Ion Ratio Lower Upper

228 100

226 27.1 21.0 31.4

229 21.7 17.0 25.4





#21

Benzo(b)fluoranthene

Concen: 0.10 ng/ul

RT: 22.78 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BM000697.D

Acq: 12 Mar 2015 13:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.171

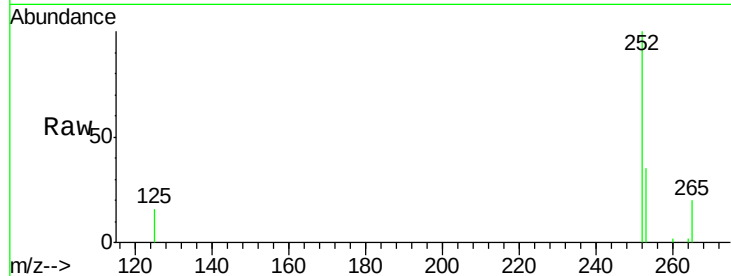
Tgt Ion:252 Resp: 5578

Ion Ratio Lower Upper

252 100

253 34.6 0.0 49.6

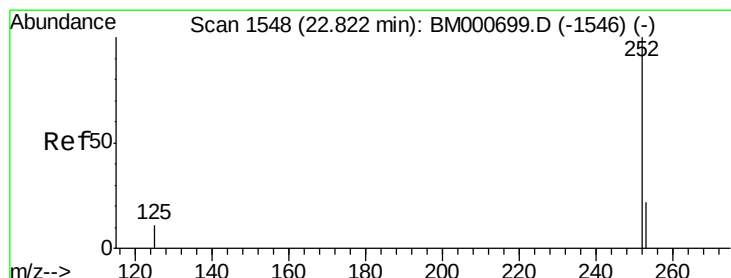
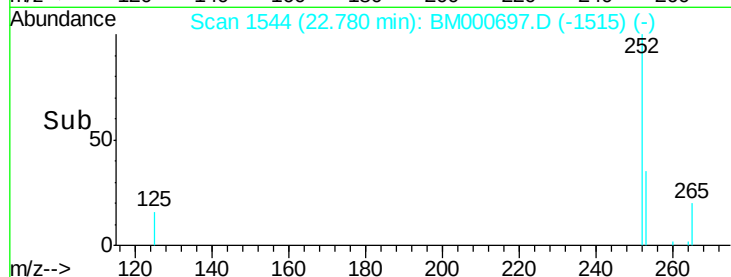
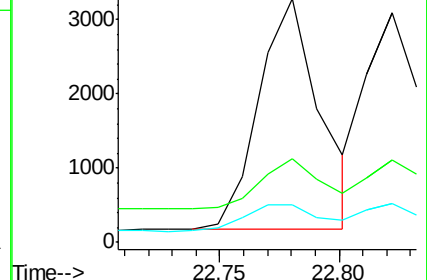
125 15.7 0.0 25.4



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



#22

Benzo(k)fluoranthene

Concen: 0.10 ng/ul

RT: 22.82 min Scan# 1548

Delta R.T. 0.00 min

Lab File: BM000697.D

Acq: 12 Mar 2015 13:55

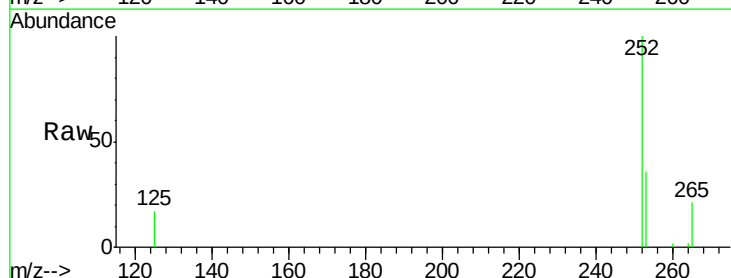
Tgt Ion:252 Resp: 5742

Ion Ratio Lower Upper

252 100

253 36.0 19.4 29.0#

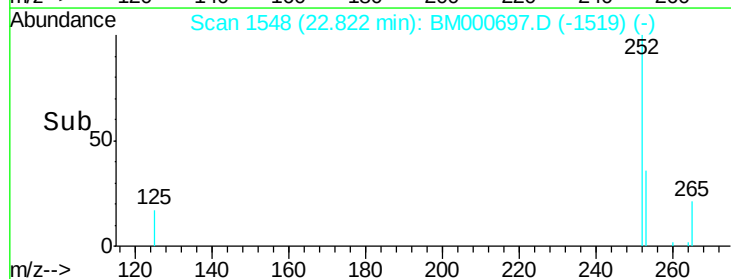
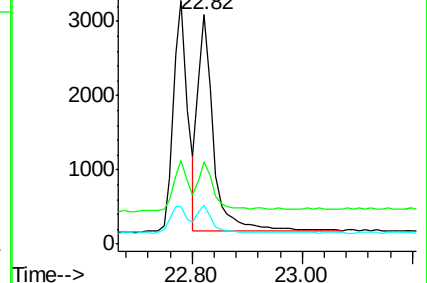
125 17.0 10.1 15.1#

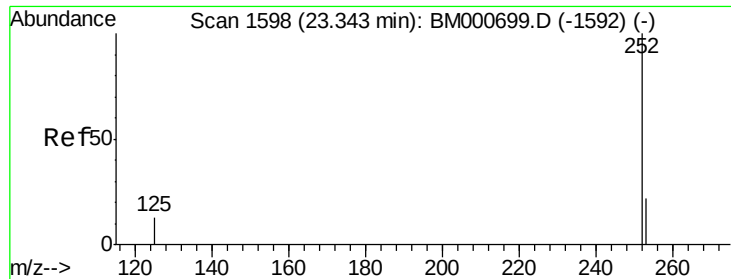


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 23.34 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BM000697.D

Acq: 12 Mar 2015 13:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.171

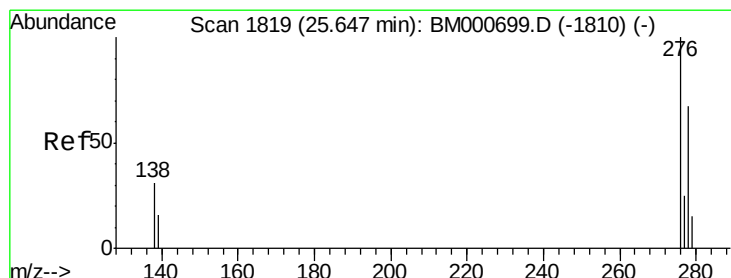
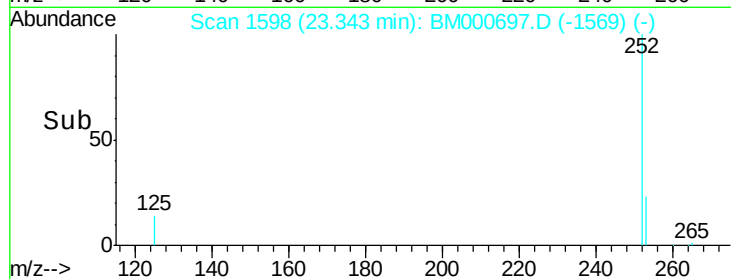
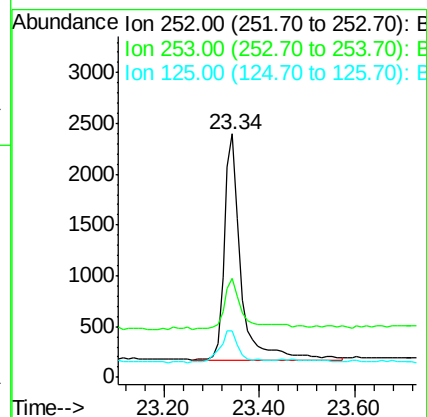
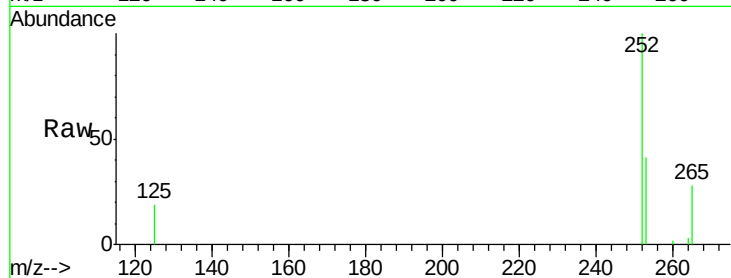
Tgt Ion:252 Resp: 5390

Ion Ratio Lower Upper

252 100

253 40.7 20.9 31.3#

125 19.0 11.4 17.0#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.09 ng/ul

RT: 25.65 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BM000697.D

Acq: 12 Mar 2015 13:55

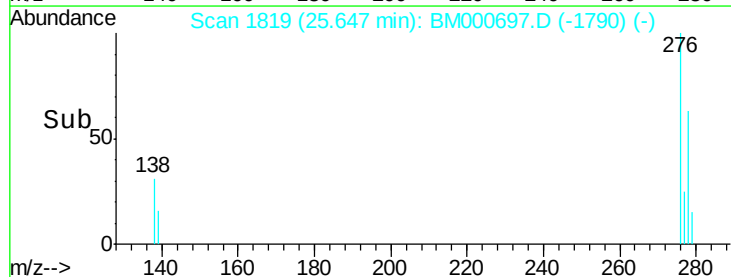
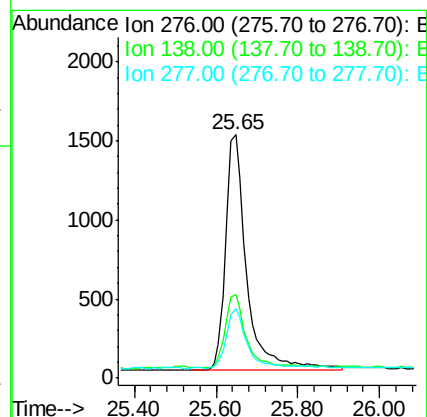
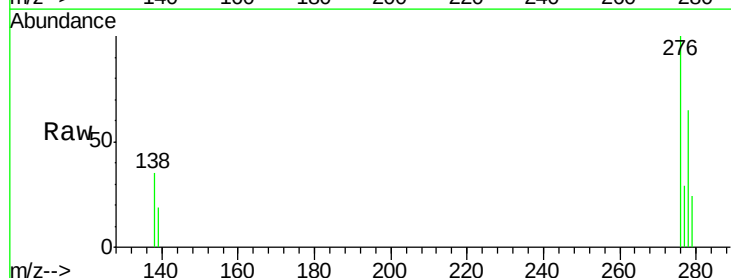
Tgt Ion:276 Resp: 5360

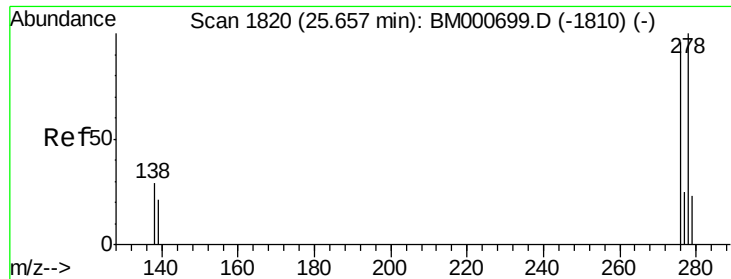
Ion Ratio Lower Upper

276 100

138 31.6 25.6 38.4

277 24.1 19.7 29.5



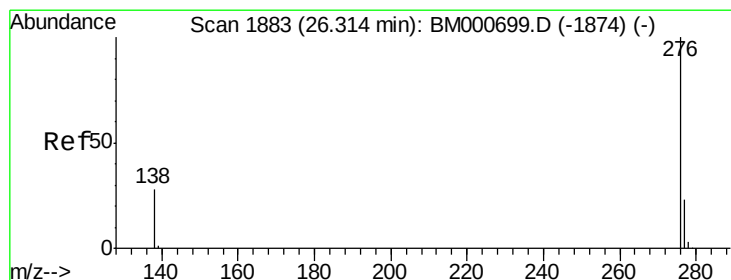
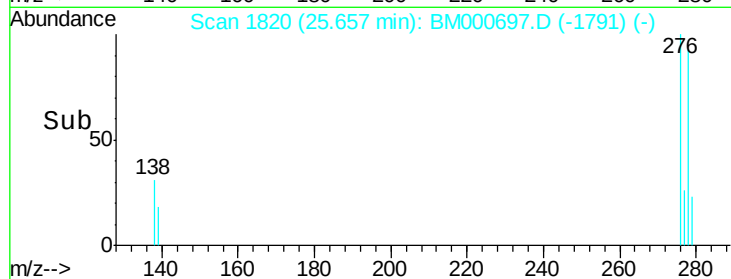
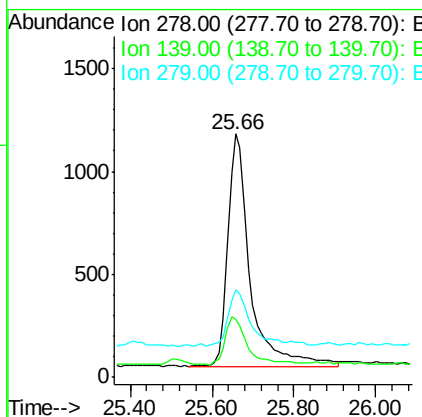
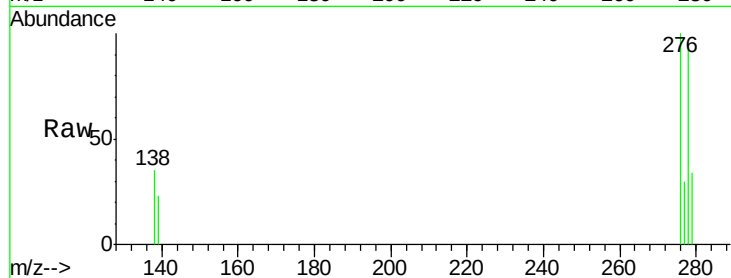


#25
Dibenzo(a,h)anthracene
Concen: 0.09 ng/ul
RT: 25.66 min Scan# 1820
Delta R.T. 0.00 min
Lab File: BM000697.D
Acq: 12 Mar 2015 13:55

Instrument :
BNA_M
ClientSampleId :
SSTD0.171

Tgt Ion: 278 Resp: 4246

Ion	Ratio	Lower	Upper
278	100		
139	24.1	17.4	26.2
279	36.1	20.0	30.0



#26
Benzo(g,h,i)perylene
Concen: 0.09 ng/ul
RT: 26.31 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BM000697.D
Acq: 12 Mar 2015 13:55

Tgt Ion: 276 Resp: 4778

Ion	Ratio	Lower	Upper
276	100		
277	26.6	19.0	28.4
138	32.1	23.3	34.9

