

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031915\
 Data File : BM000736.D
 Acq On : 19 Mar 2015 21:08
 Operator : TP/IZ
 Sample : SSTD0.402
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.402

Quant Time: Mar 20 11:34:50 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM031915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 15:39:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	3025	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	10204	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	5201	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	9764	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	8089	0.40	ng/ul	0.01
20) Perylene-d12	23.41	264	7423	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.00	152	5251	0.45	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	8679	0.45	ng/ul	0.00

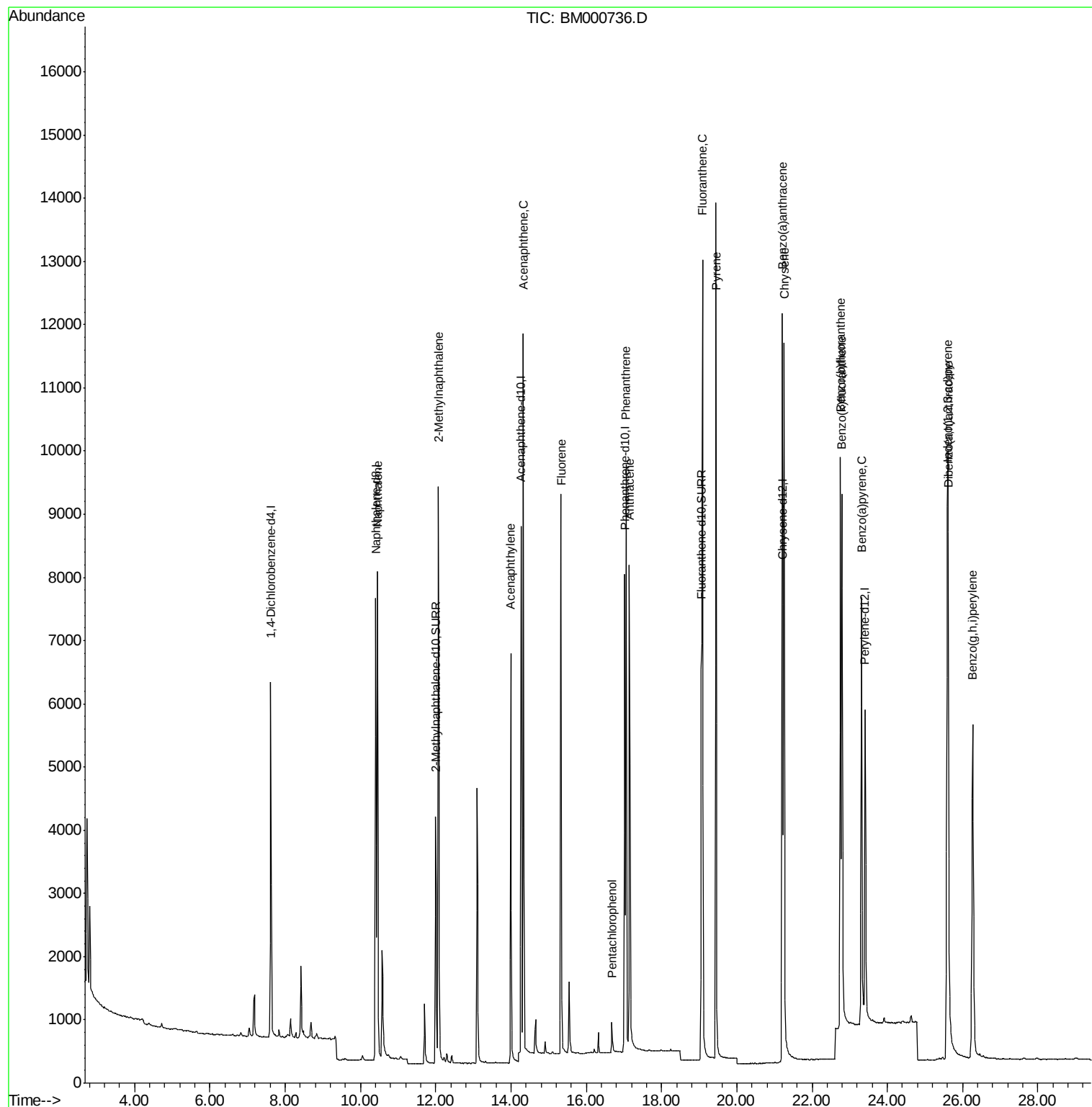
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	11141	0.46	ng/ul	100
5) 2-Methylnaphthalene	12.08	142	7042	0.45	ng/ul	100
7) Acenaphthylene	14.00	152	8738	0.48	ng/ul	99
8) Acenaphthene	14.33	153	7027	0.48	ng/ul	98
9) Fluorene	15.34	166	7764	0.47	ng/ul	97
11) Pentachlorophenol	16.68	266	407	0.33	ng/ul	94
12) Phenanthrene	17.05	178	11816	0.45	ng/ul	100
13) Anthracene	17.15	178	10442	0.46	ng/ul	99
15) Fluoranthene	19.09	202	12801	0.44	ng/ul	99
17) Pyrene	19.45	202	12976	0.45	ng/ul	100
18) Benzo(a)anthracene	21.21	228	9994	0.44	ng/ul	91
19) Chrysene	21.26	228	12206	0.46	ng/ul#	90
21) Benzo(b)fluoranthene	22.75	252	11227	0.44	ng/ul	98
22) Benzo(k)fluoranthene	22.79	252	12262	0.47	ng/ul	99
23) Benzo(a)pyrene	23.31	252	10526	0.46	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.60	276	12144	0.45	ng/ul	100
25) Dibenzo(a,h)anthracene	25.62	278	9810	0.45	ng/ul	98
26) Benzo(g,h,i)perylene	26.26	276	10854	0.46	ng/ul	99

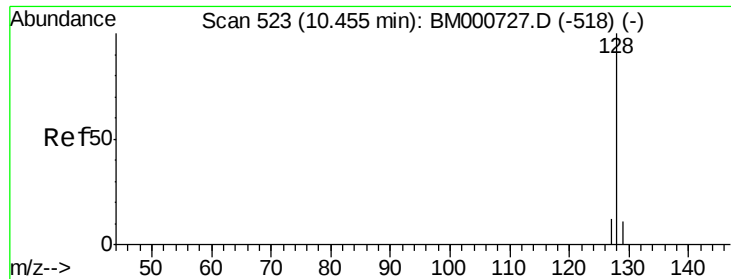
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.46 ng/ul

RT: 10.46 min Scan# 523

Delta R.T. 0.00 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.402

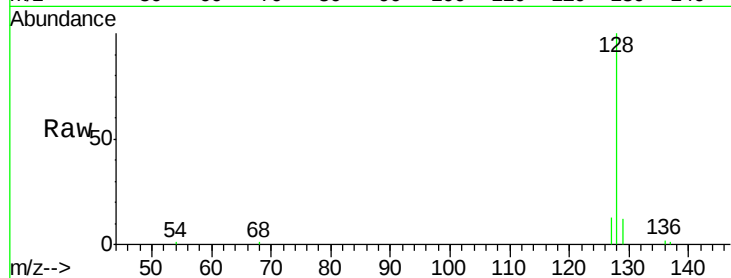
Tgt Ion:128 Resp: 11141

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

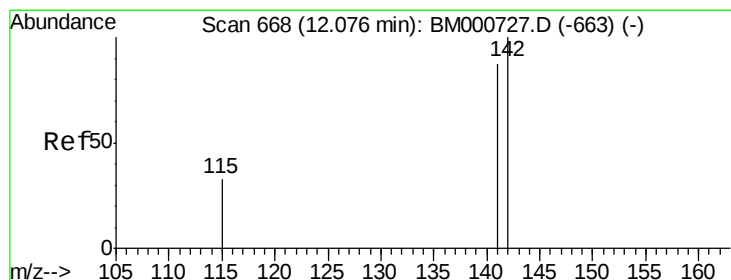
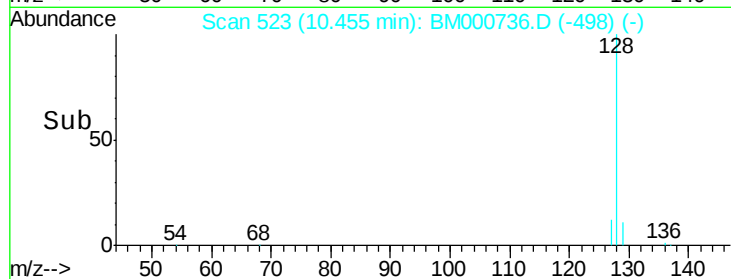
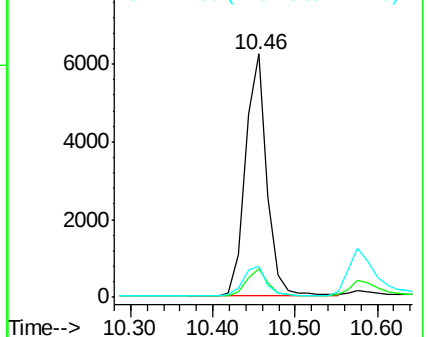
127 12.6 10.2 15.4



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: 0.45 ng/ul

RT: 12.08 min Scan# 668

Delta R.T. 0.00 min

Lab File: BM000736.D

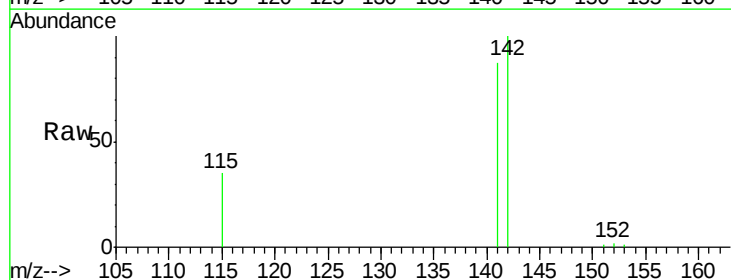
Acq: 19 Mar 2015 21:08

Tgt Ion:142 Resp: 7042

Ion Ratio Lower Upper

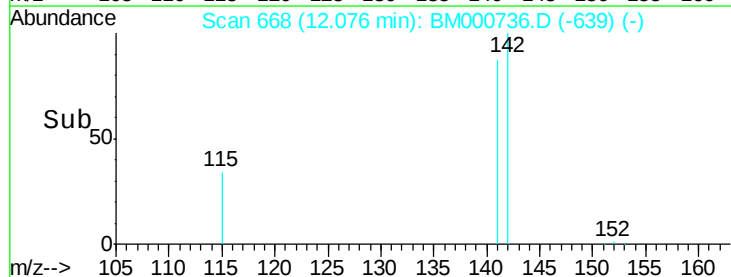
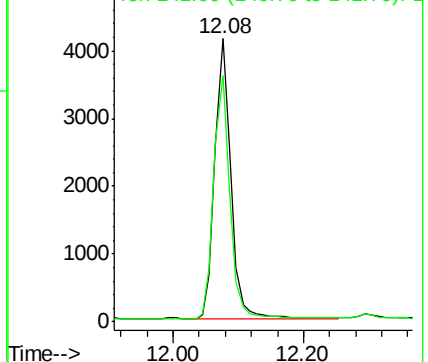
142 100

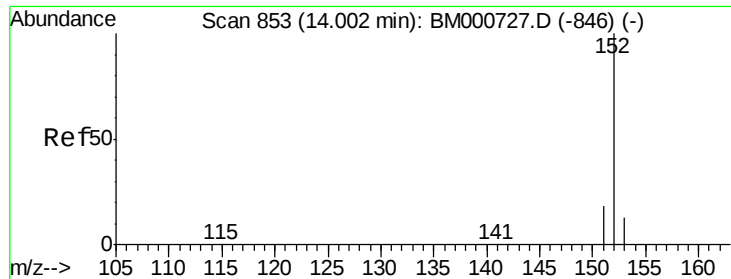
141 88.6 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.48 ng/ul

RT: 14.00 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.402

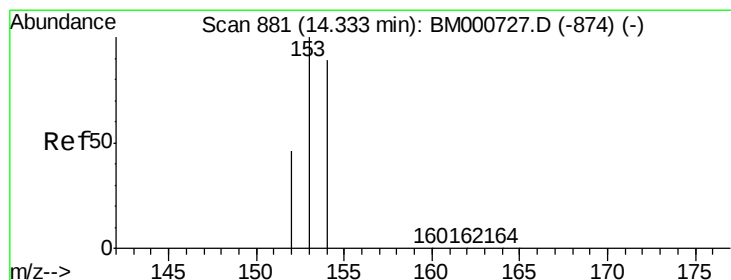
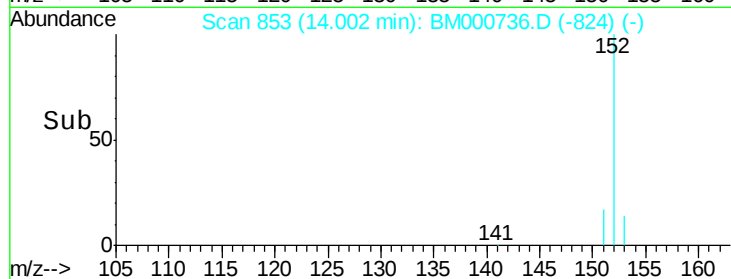
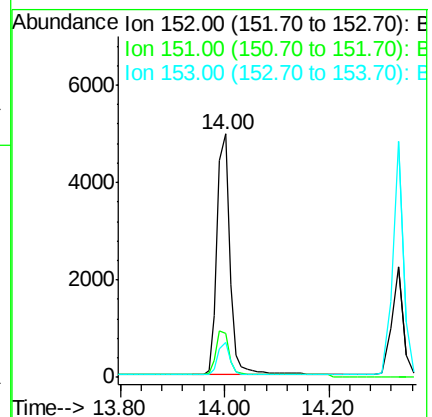
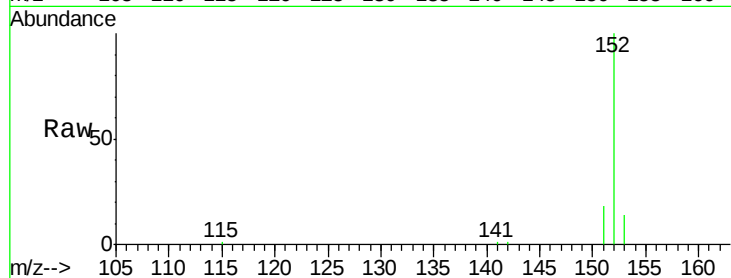
Tgt Ion:152 Resp: 8738

Ion Ratio Lower Upper

152 100

151 18.2 15.2 22.8

153 14.4 11.2 16.8



#8

Acenaphthene

Concen: 0.48 ng/ul

RT: 14.33 min Scan# 881

Delta R.T. 0.00 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

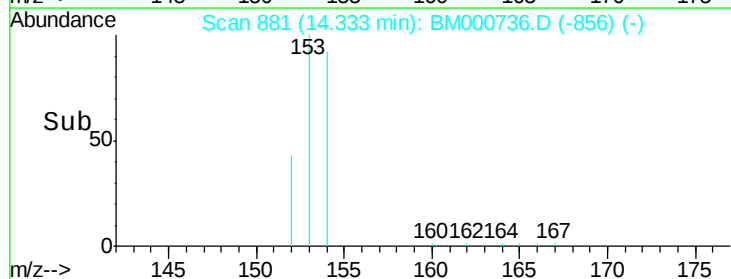
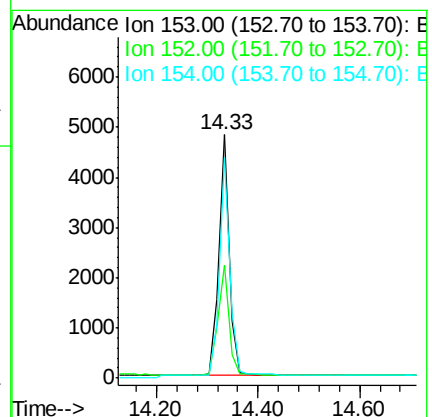
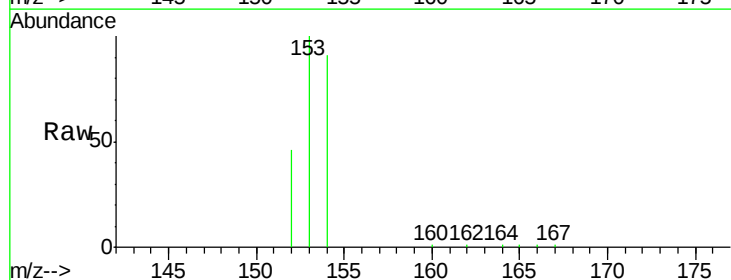
Tgt Ion:153 Resp: 7027

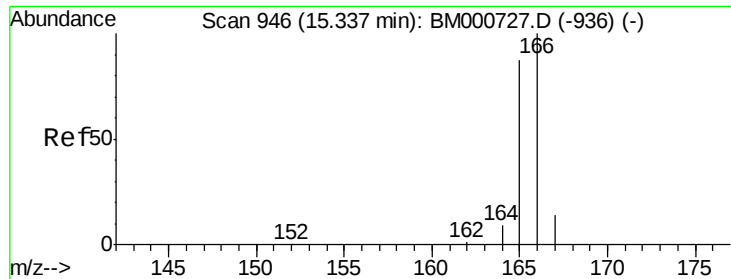
Ion Ratio Lower Upper

153 100

152 46.5 37.8 56.6

154 90.7 71.0 106.6

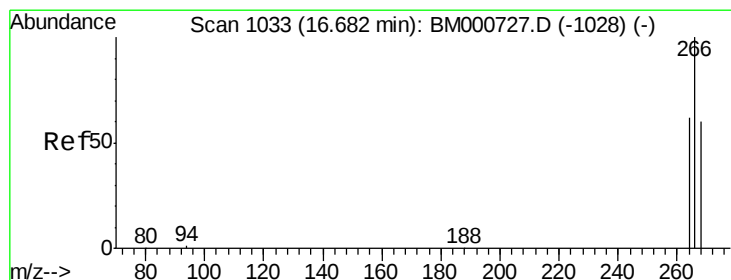
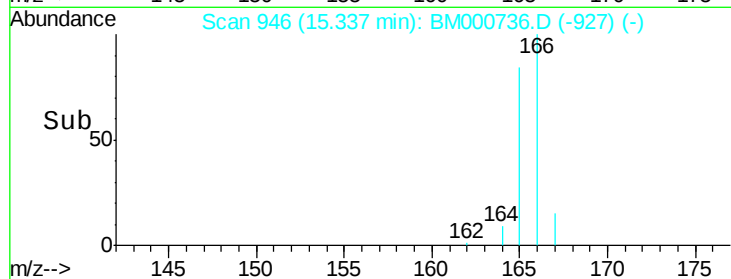
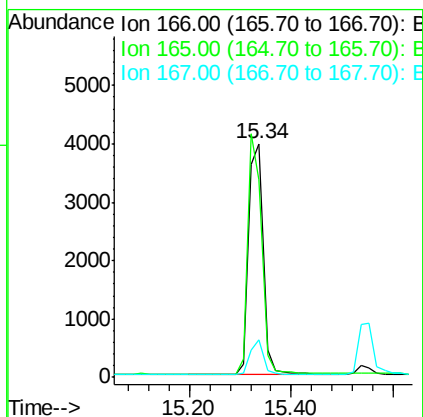
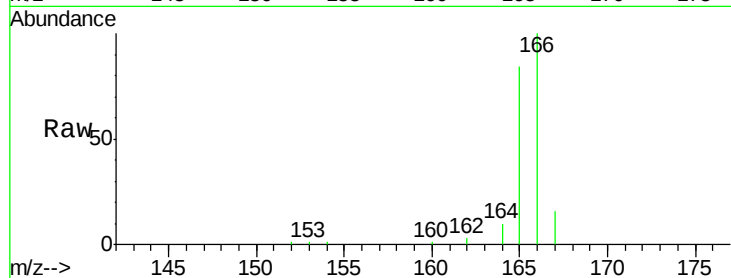




#9
Fluorene
 Concen: 0.47 ng/ul
 RT: 15.34 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: BM000736.D
 Acq: 19 Mar 2015 21:08

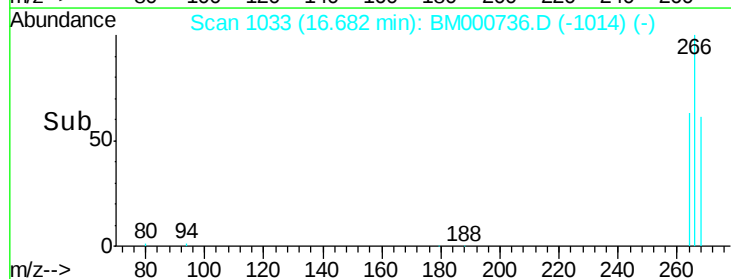
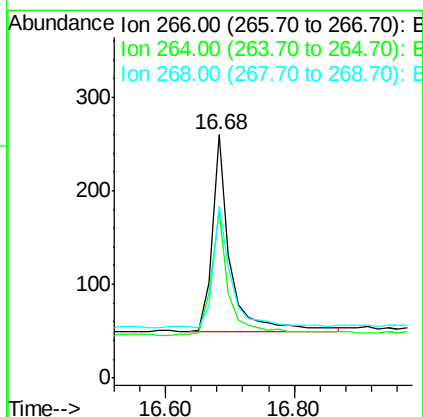
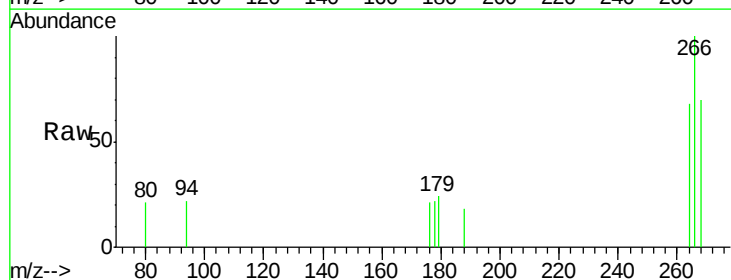
Instrument :
 BNA_M
 ClientSampleId :
 SST0.402

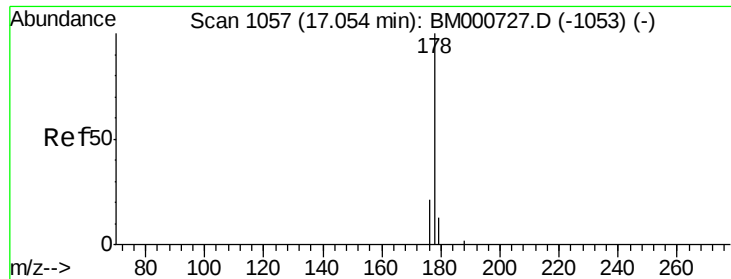
Tgt Ion:166 Resp: 7764
 Ion Ratio Lower Upper
 166 100
 165 84.4 69.8 104.6
 167 15.9 12.5 18.7



#11
Pentachlorophenol
 Concen: 0.33 ng/ul
 RT: 16.68 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BM000736.D
 Acq: 19 Mar 2015 21:08

Tgt Ion:266 Resp: 407
 Ion Ratio Lower Upper
 266 100
 264 67.1 47.8 71.8
 268 66.1 51.7 77.5





#12

Phenanthrene

Concen: 0.45 ng/ul

RT: 17.05 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.402

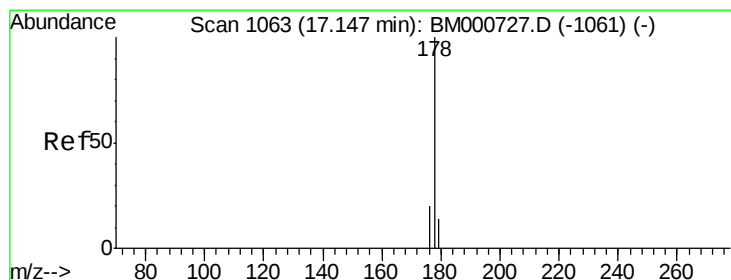
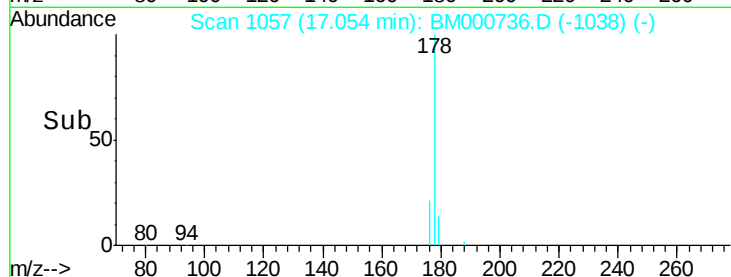
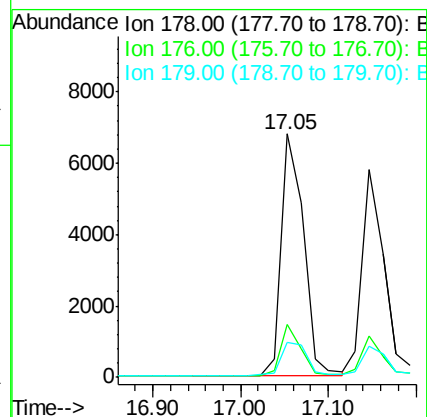
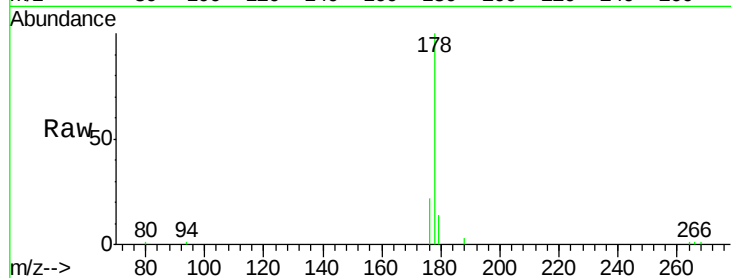
Tgt Ion:178 Resp: 11816

Ion Ratio Lower Upper

178 100

176 21.7 17.4 26.0

179 14.4 11.5 17.3



#13

Anthracene

Concen: 0.46 ng/ul

RT: 17.15 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

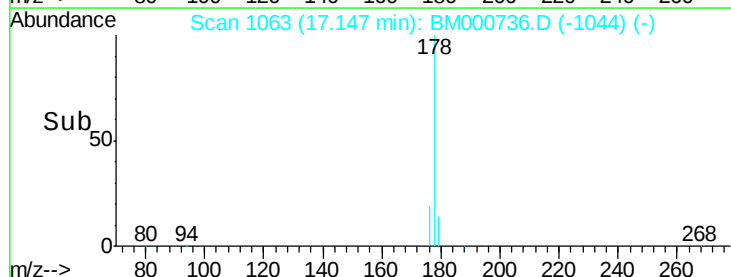
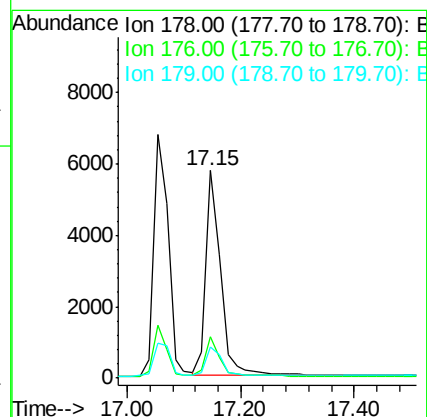
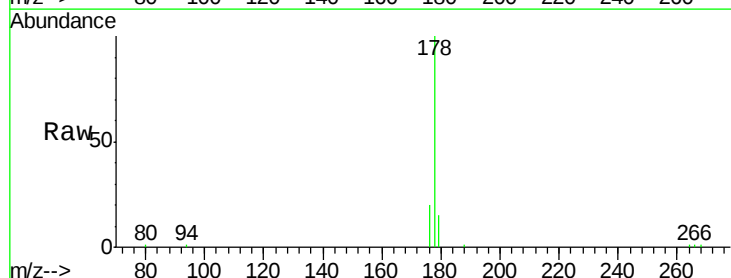
Tgt Ion:178 Resp: 10442

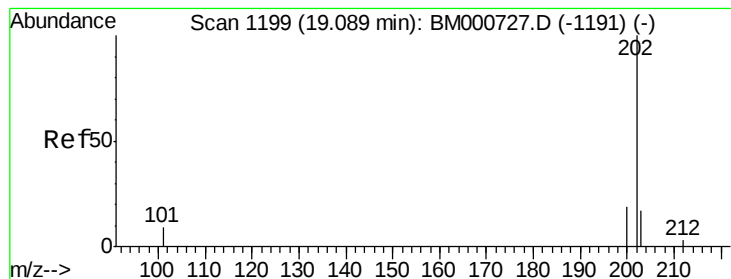
Ion Ratio Lower Upper

178 100

176 20.0 16.7 25.1

179 15.3 12.0 18.0





#15

Fluoranthene

Concen: 0.44 ng/ul

RT: 19.09 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.402

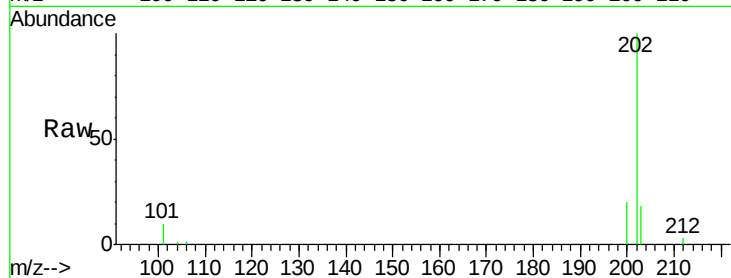
Tgt Ion:202 Resp: 12801

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.8

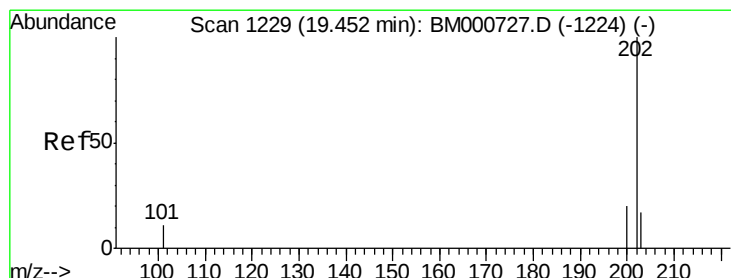
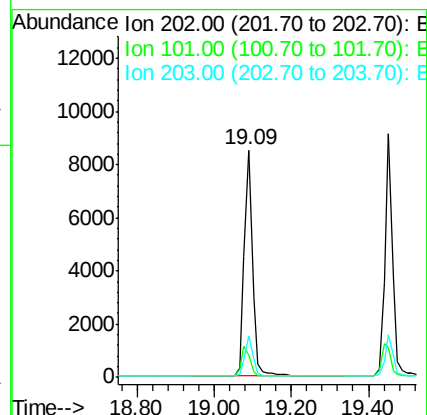
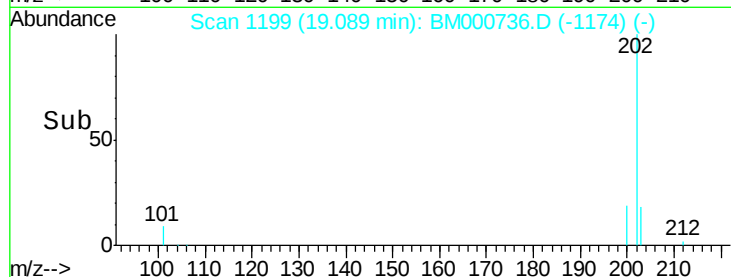
203 18.1 0.0 37.7



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: 0.45 ng/ul

RT: 19.45 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

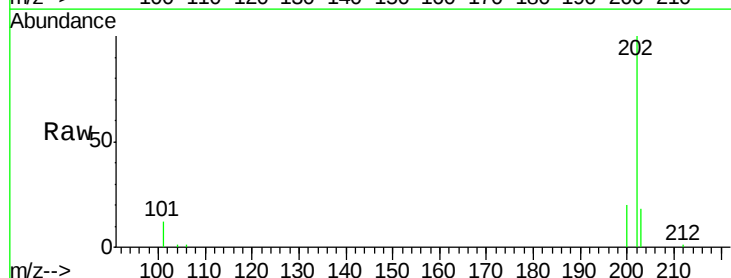
Tgt Ion:202 Resp: 12976

Ion Ratio Lower Upper

202 100

200 20.2 16.3 24.5

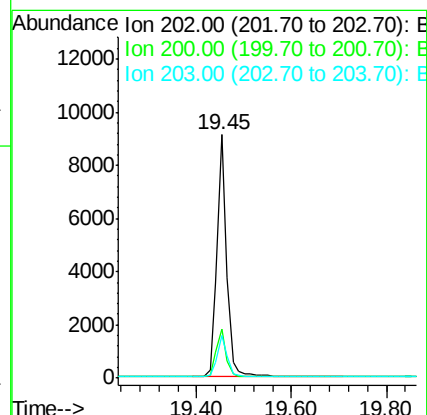
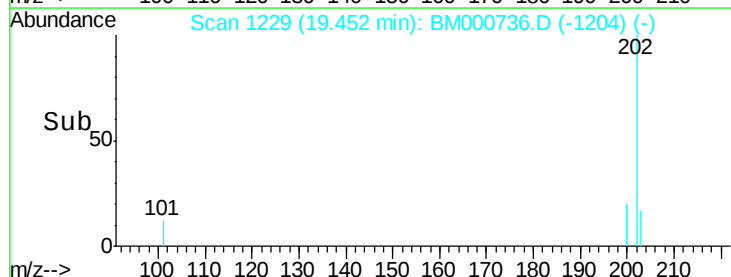
203 17.5 13.9 20.9

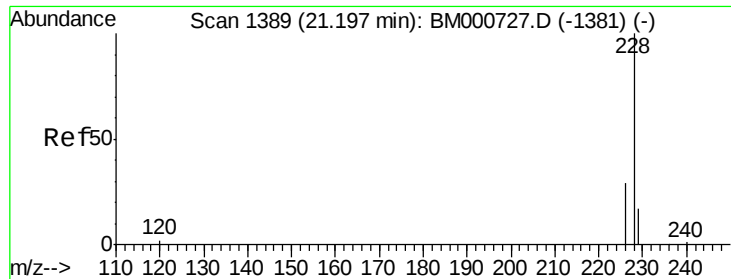


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.44 ng/ul

RT: 21.21 min Scan# 1390

Delta R.T. 0.01 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.402

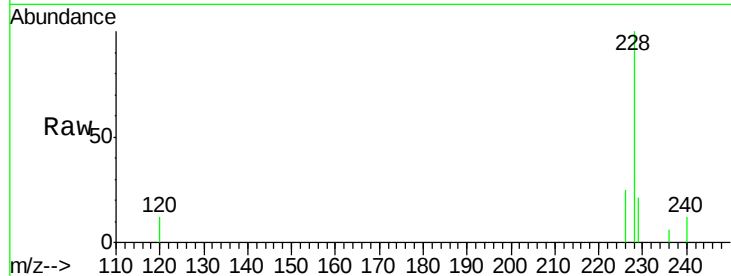
Tgt Ion:228 Resp: 9994

Ion Ratio Lower Upper

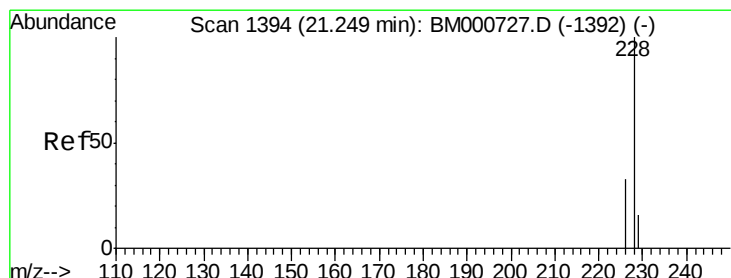
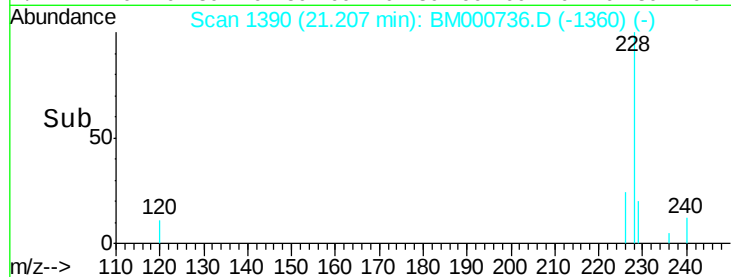
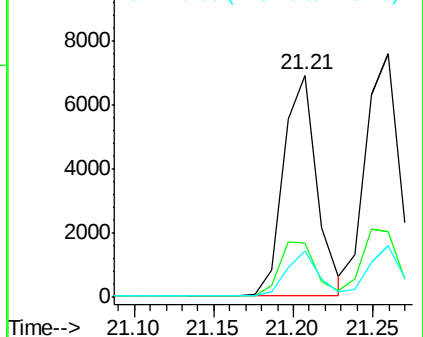
228 100

226 24.7 23.7 35.5

229 21.0 14.2 21.2



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: 0.46 ng/ul

RT: 21.26 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

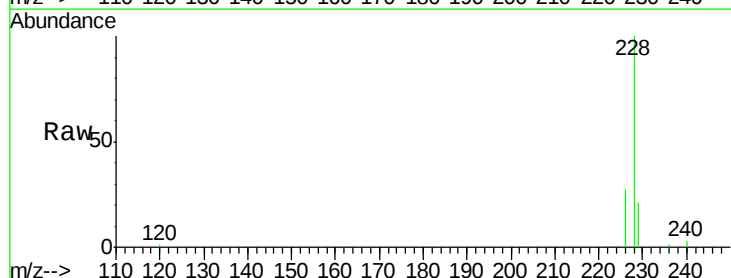
Tgt Ion:228 Resp: 12206

Ion Ratio Lower Upper

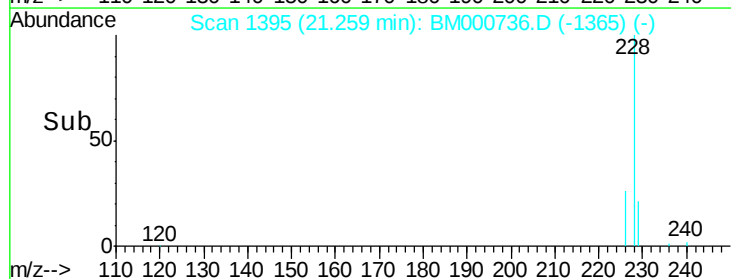
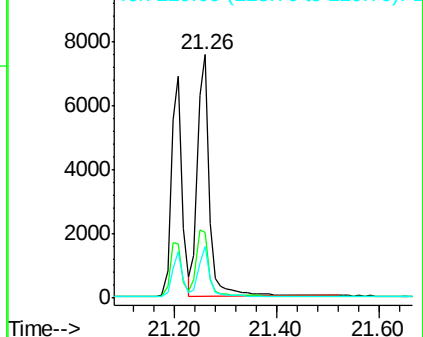
228 100

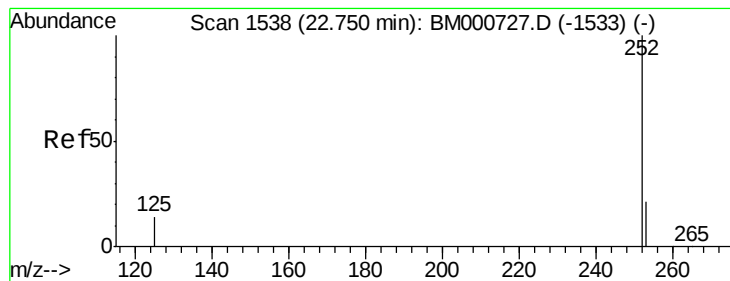
226 27.0 26.1 39.1

229 21.3 13.9 20.9#



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: 0.44 ng/u1

RT: 22.75 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.402

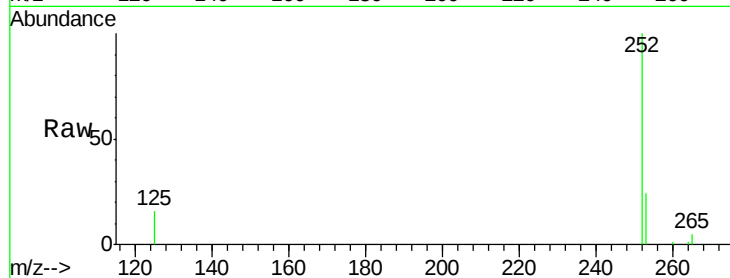
Tgt Ion:252 Resp: 11227

Ion Ratio Lower Upper

252 100

253 23.7 0.0 49.2

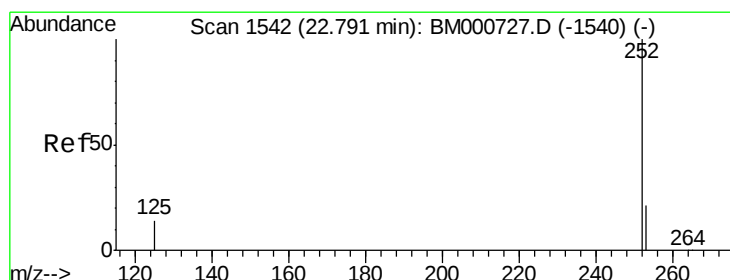
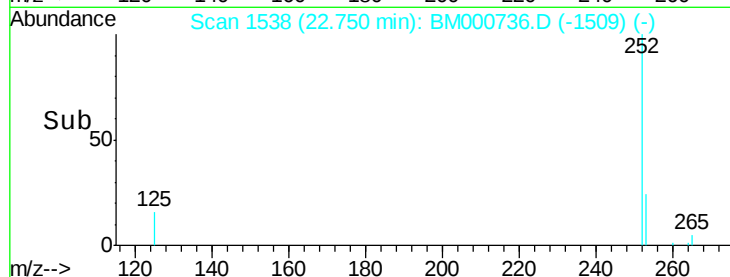
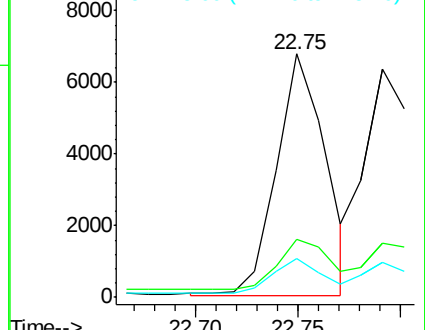
125 15.7 0.0 30.0



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: 0.47 ng/u1

RT: 22.79 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

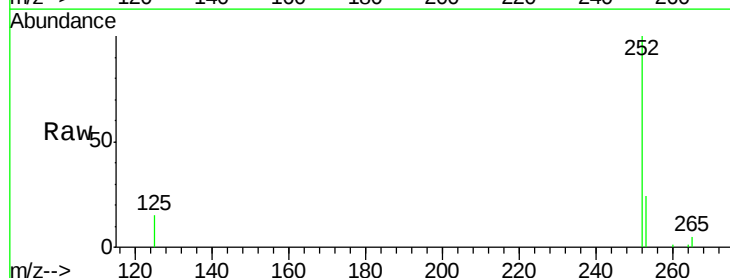
Tgt Ion:252 Resp: 12262

Ion Ratio Lower Upper

252 100

253 23.7 19.8 29.6

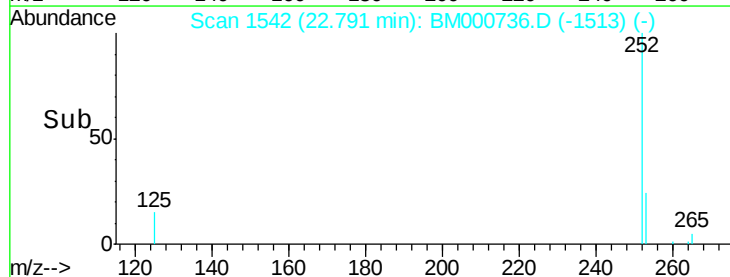
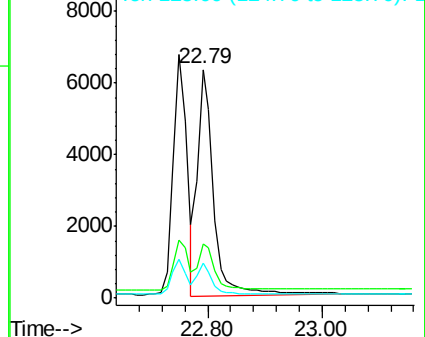
125 15.4 12.2 18.2

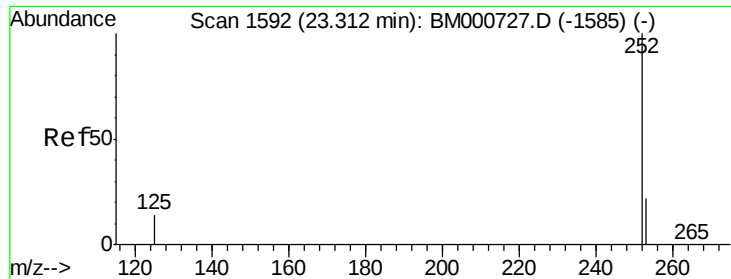


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.46 ng/ul

RT: 23.31 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.402

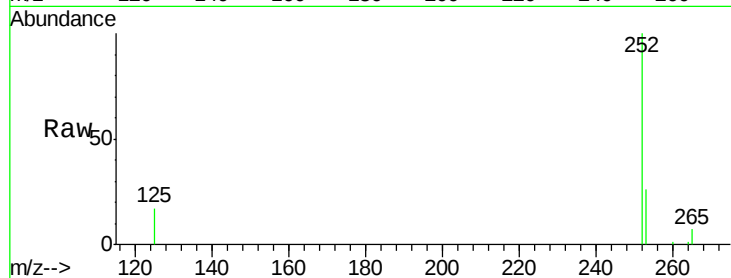
Tgt Ion:252 Resp: 10526

Ion Ratio Lower Upper

252 100

253 26.3 21.5 32.3

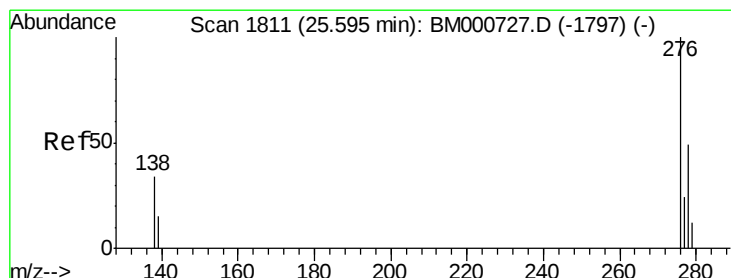
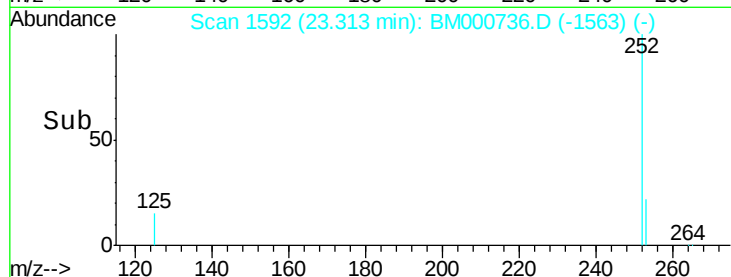
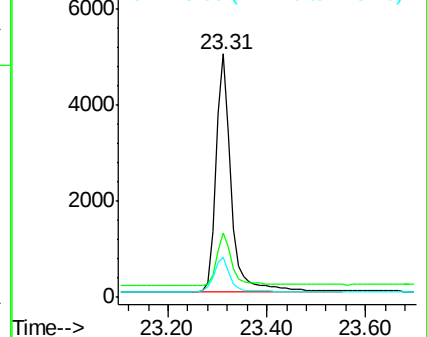
125 16.5 13.0 19.6



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.45 ng/ul

RT: 25.60 min Scan# 1811

Delta R.T. 0.00 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

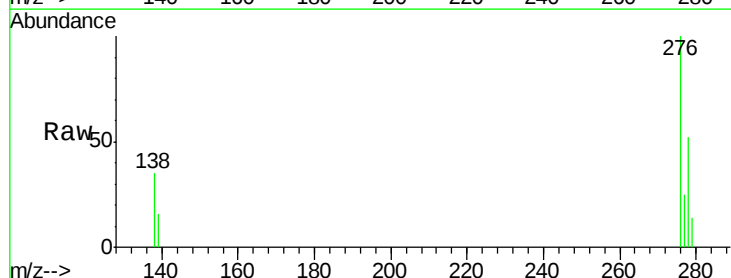
Tgt Ion:276 Resp: 12144

Ion Ratio Lower Upper

276 100

138 34.9 27.8 41.8

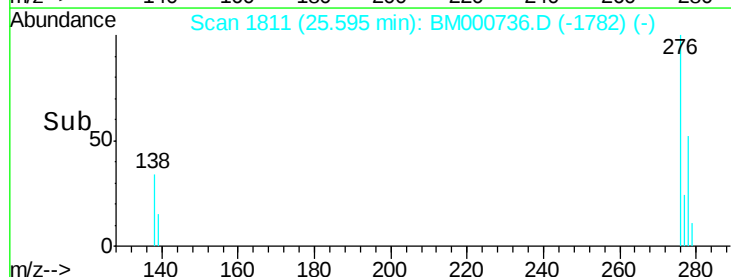
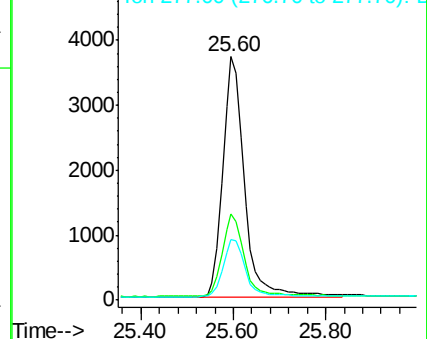
277 24.8 19.9 29.9

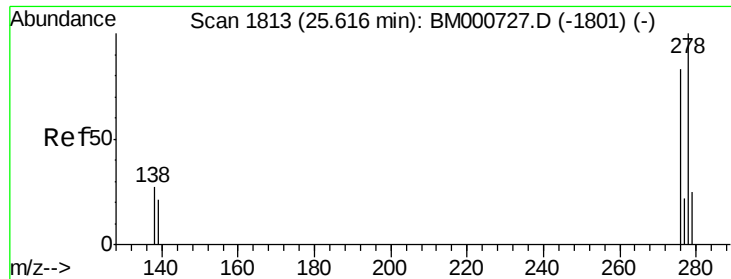


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.45 ng/ul

RT: 25.62 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.402

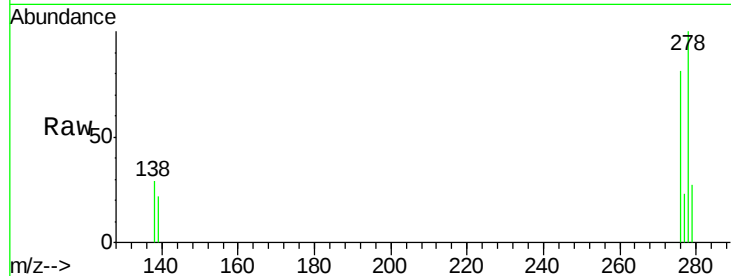
Tgt Ion: 278 Resp: 9810

Ion Ratio Lower Upper

278 100

139 22.3 18.1 27.1

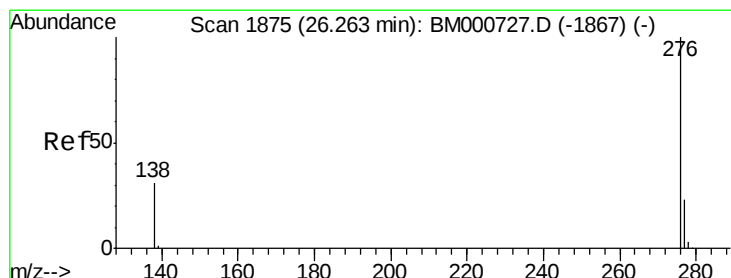
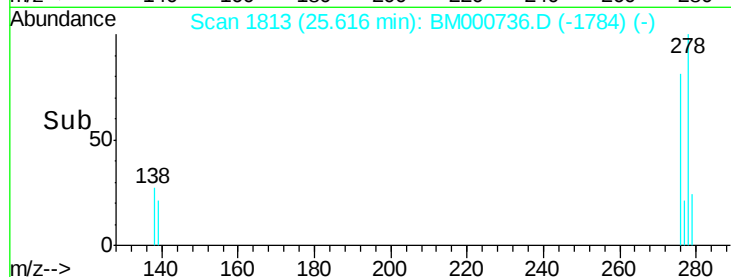
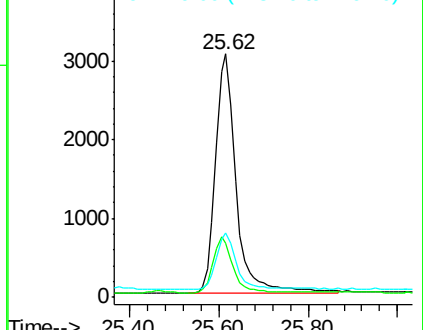
279 26.7 22.3 33.5



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: 0.46 ng/ul

RT: 26.26 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BM000736.D

Acq: 19 Mar 2015 21:08

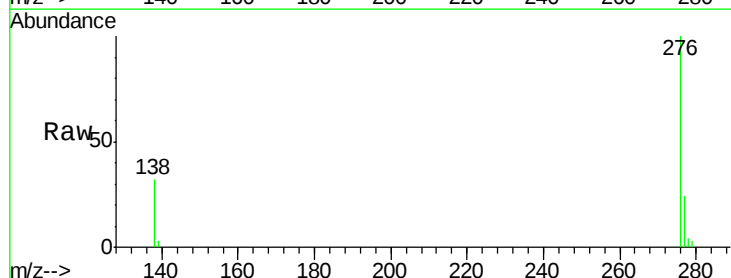
Tgt Ion: 276 Resp: 10854

Ion Ratio Lower Upper

276 100

277 24.1 19.6 29.4

138 31.6 25.6 38.4



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

