

Data Path : Z:\HPCHEM1\BNA_M\Data\BM072916\
 Data File : BM006734.D
 Acq On : 29 Jul 2016 11:32
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.456

Quant Time: Jul 29 12:44:26 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM072816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 15:44:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1978	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	6898	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	3632	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	8784	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	9218	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	9282	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	3615	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	9739	0.42	ng/ul	0.00

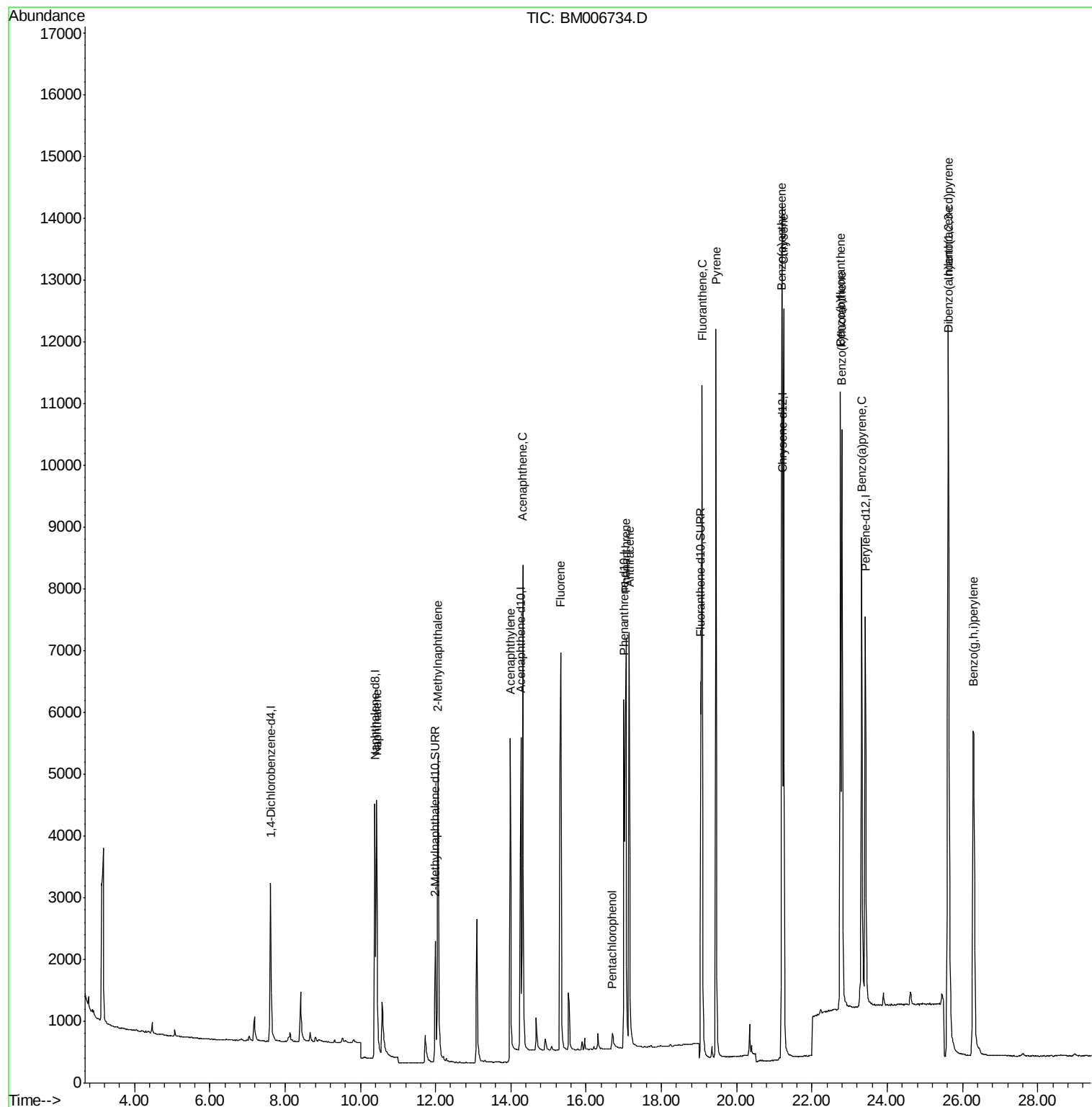
Target Compounds				Qvalue		
3) Naphthalene	10.44	128	7055	0.41	ng/ul	97
5) 2-Methylnaphthalene	12.06	142	4755	0.40	ng/ul	98
7) Acenaphthylene	13.99	152	8336	0.40	ng/ul	95
8) Acenaphthene	14.31	153	5201	0.41	ng/ul	86
9) Fluorene	15.32	166	6041	0.41	ng/ul	96
11) Pentachlorophenol	16.70	266	357	0.32	ng/ul	96
12) Phenanthrene	17.06	178	10051	0.41	ng/ul	98
13) Anthracene	17.14	178	9415	0.40	ng/ul	97
15) Fluoranthene	19.08	202	13632	0.40	ng/ul	94
17) Pyrene	19.45	202	13062	0.47	ng/ul	95
18) Benzo(a)anthracene	21.20	228	11678	0.46	ng/ul	96
19) Chrysene	21.25	228	12518	0.49	ng/ul	97
21) Benzo(b)fluoranthene	22.75	252	13120	0.41	ng/ul	97
22) Benzo(k)fluoranthene	22.79	252	13434	0.44	ng/ul	98
23) Benzo(a)pyrene	23.32	252	12950	0.44	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.62	276	15362	0.41	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.63	278	12867	0.46	ng/ul	96
26) Benzo(g,h,i)perylene	26.29	276	13094	0.44	ng/ul	94

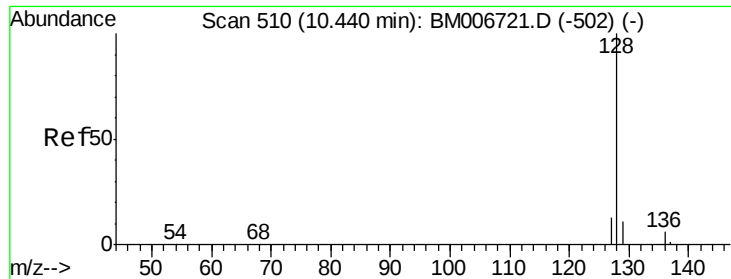
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: BM006734.D

Acq: 29 Jul 2016 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

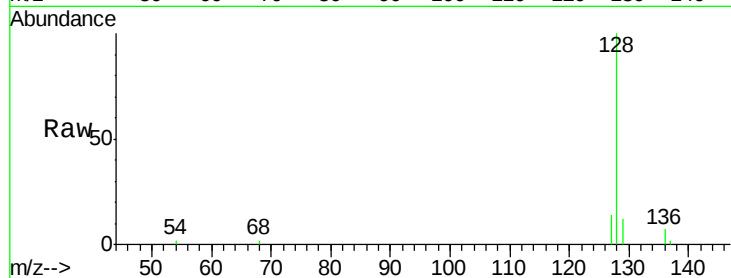
Tgt Ion:128 Resp: 7055

Ion Ratio Lower Upper

128 100

129 12.4 9.0 13.6

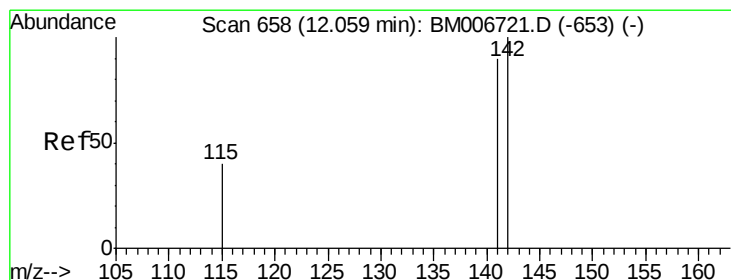
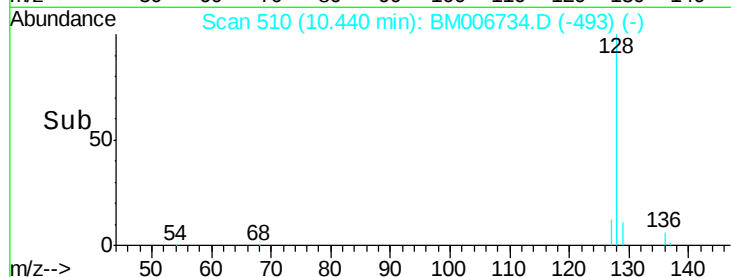
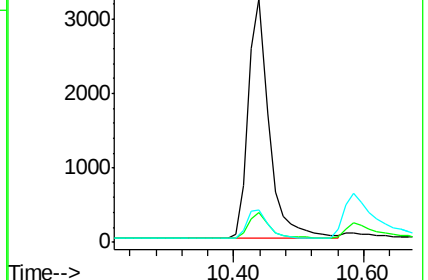
127 13.5 9.6 14.4



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: 0.40 ng/ul

RT: 12.06 min Scan# 658

Delta R.T. -0.00 min

Lab File: BM006734.D

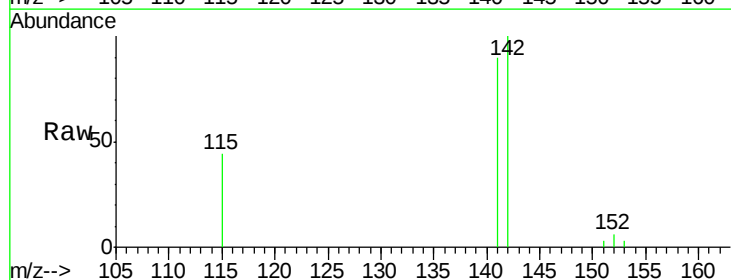
Acq: 29 Jul 2016 11:32

Tgt Ion:142 Resp: 4755

Ion Ratio Lower Upper

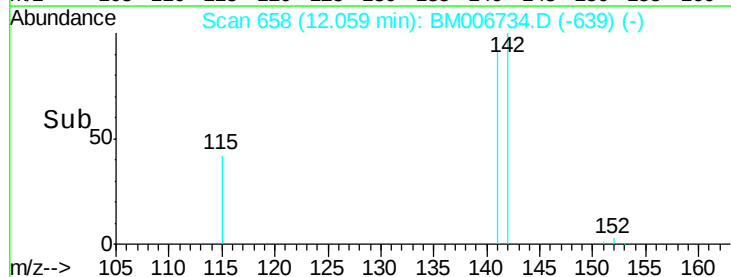
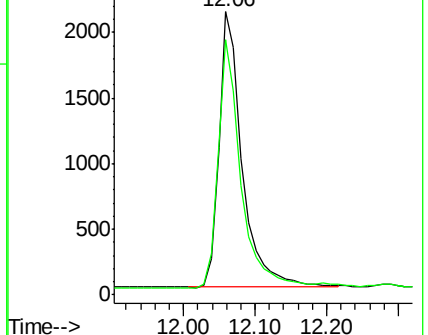
142 100

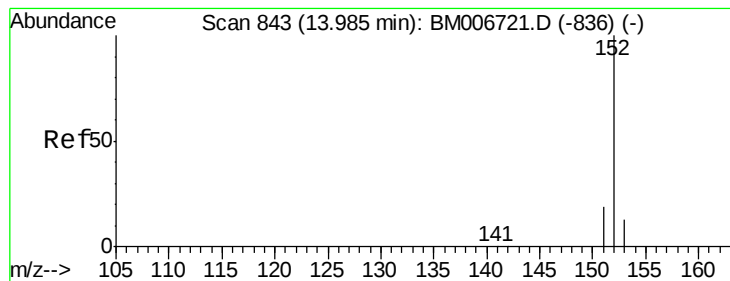
141 89.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 13.99 min Scan# 843

Delta R.T. -0.00 min

Lab File: BM006734.D

Acq: 29 Jul 2016 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

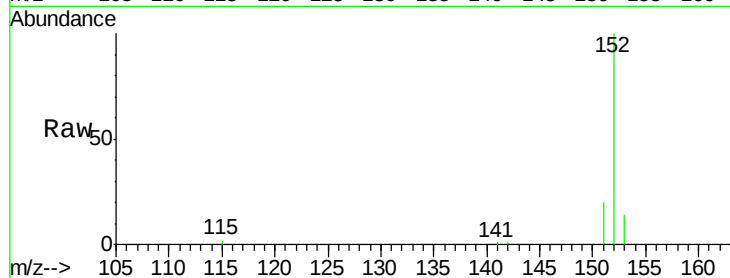
Tgt Ion:152 Resp: 8336

Ion Ratio Lower Upper

152 100

151 19.6 17.6 26.4

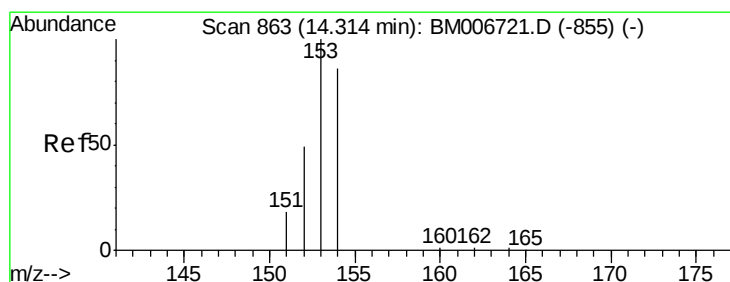
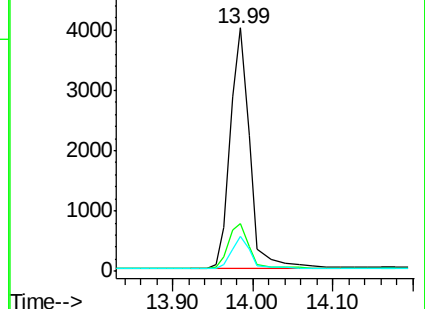
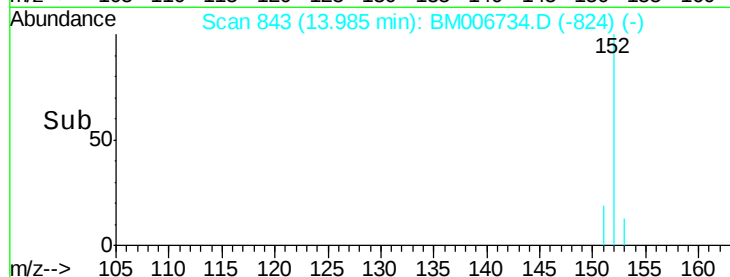
153 14.3 9.7 14.5



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: 0.41 ng/ul

RT: 14.31 min Scan# 863

Delta R.T. -0.00 min

Lab File: BM006734.D

Acq: 29 Jul 2016 11:32

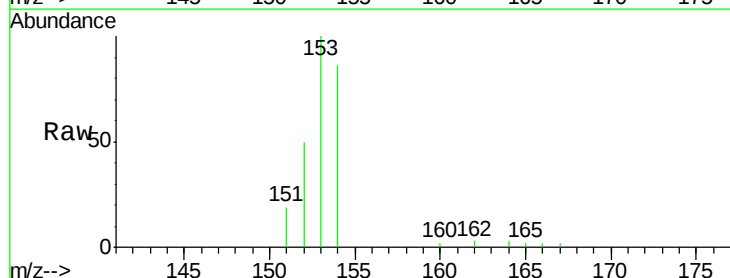
Tgt Ion:153 Resp: 5201

Ion Ratio Lower Upper

153 100

152 50.5 33.9 50.9

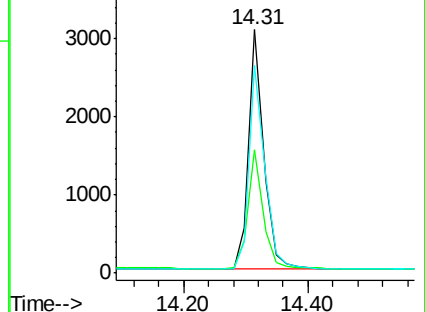
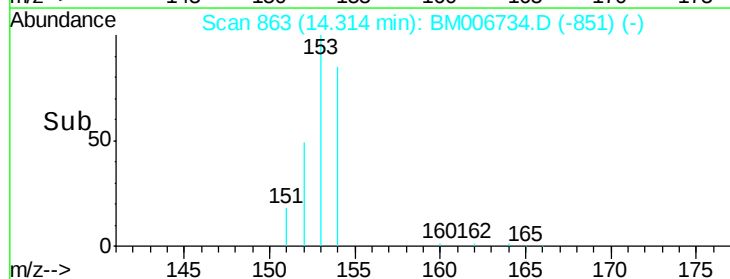
154 85.6 80.6 121.0

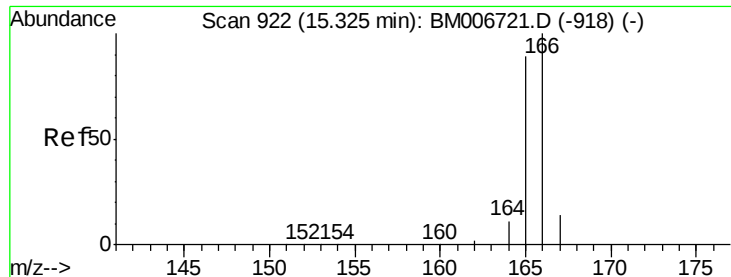


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.41 ng/ul

RT: 15.32 min Scan# 922

Delta R.T. -0.00 min

Lab File: BM006734.D

Acq: 29 Jul 2016 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

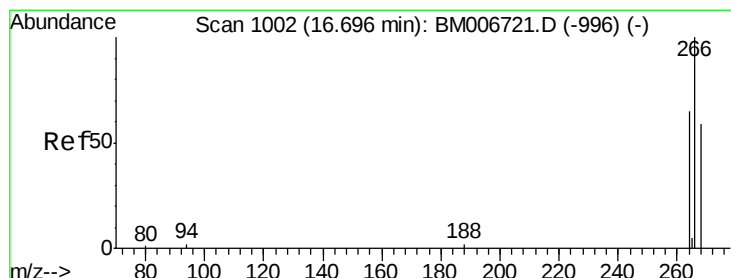
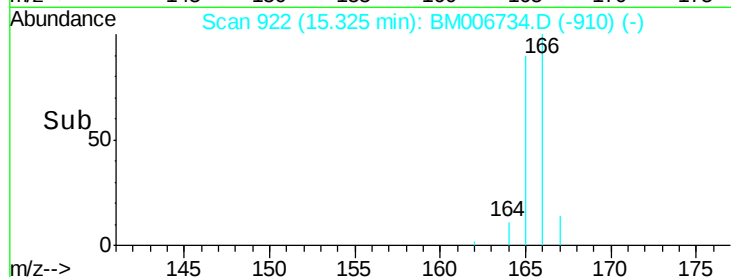
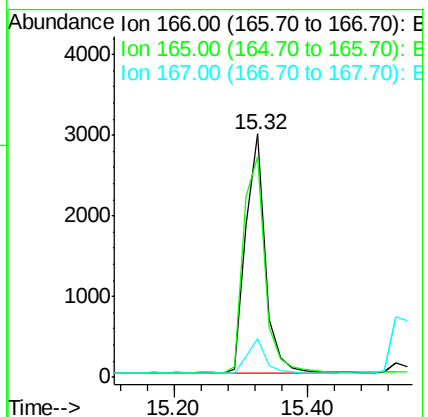
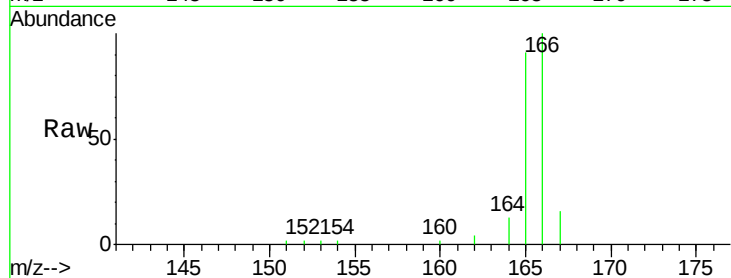
Tgt Ion:166 Resp: 6041

Ion Ratio Lower Upper

166 100

165 90.6 69.6 104.4

167 15.7 11.9 17.9



#11

Pentachlorophenol

Concen: 0.32 ng/ul

RT: 16.70 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BM006734.D

Acq: 29 Jul 2016 11:32

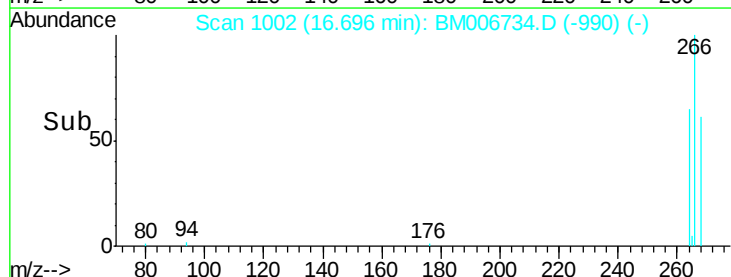
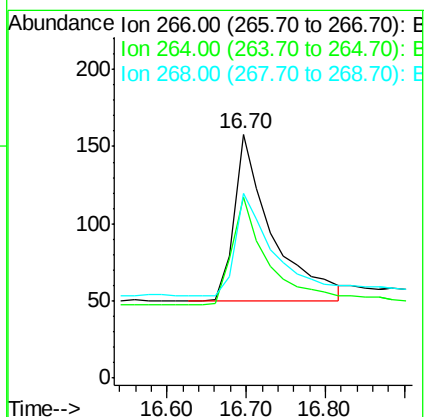
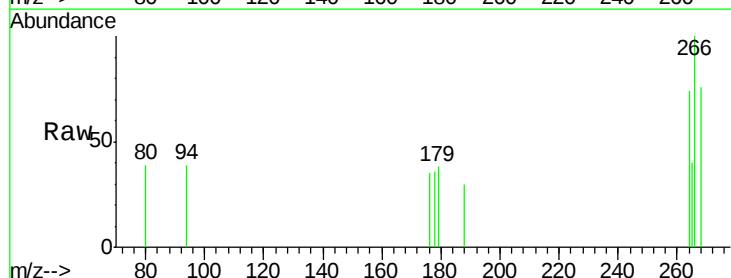
Tgt Ion:266 Resp: 357

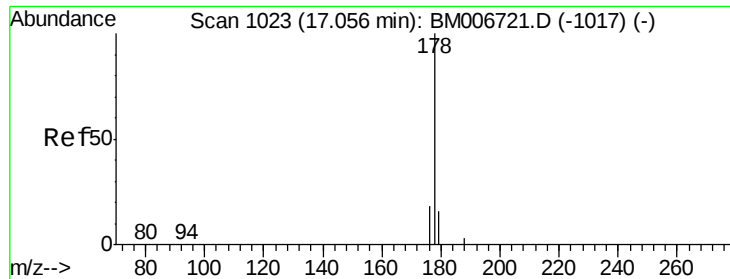
Ion Ratio Lower Upper

266 100

264 63.9 51.8 77.8

268 63.9 46.8 70.2





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.06 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BM006734.D

Acq: 29 Jul 2016 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

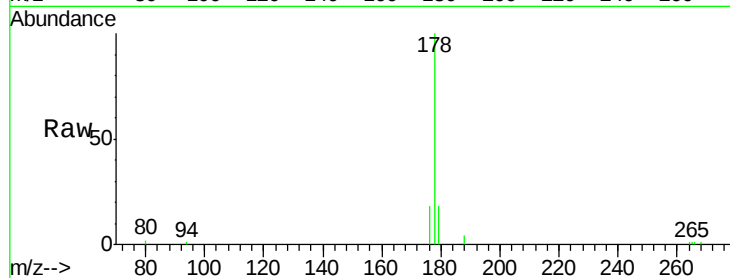
Tgt Ion:178 Resp: 10051

Ion Ratio Lower Upper

178 100

176 18.1 13.0 19.4

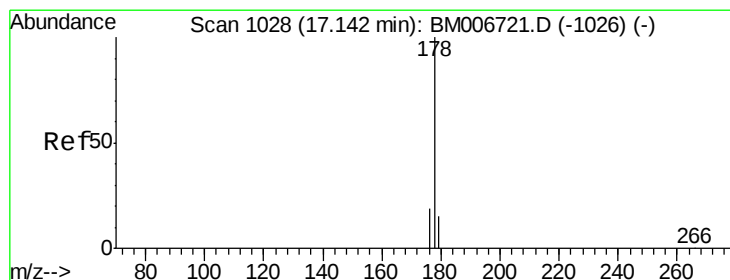
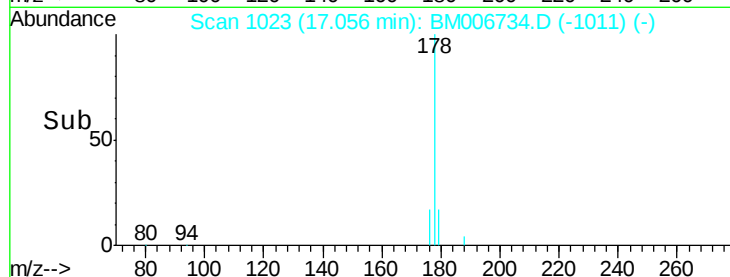
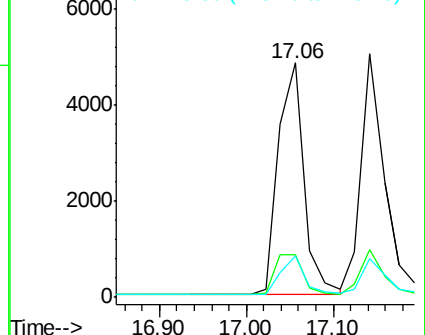
179 17.8 14.2 21.2



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



#13

Anthracene

Concen: 0.40 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BM006734.D

Acq: 29 Jul 2016 11:32

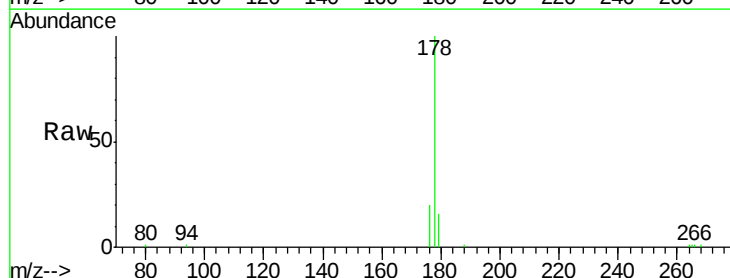
Tgt Ion:178 Resp: 9415

Ion Ratio Lower Upper

178 100

176 19.8 14.0 21.0

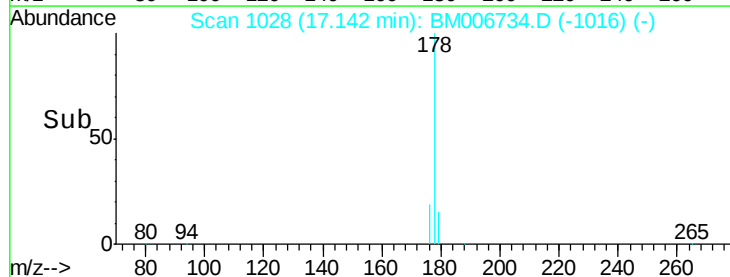
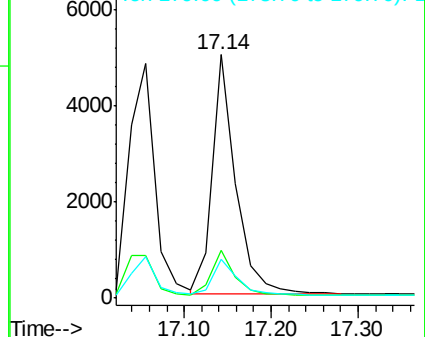
179 16.1 12.9 19.3

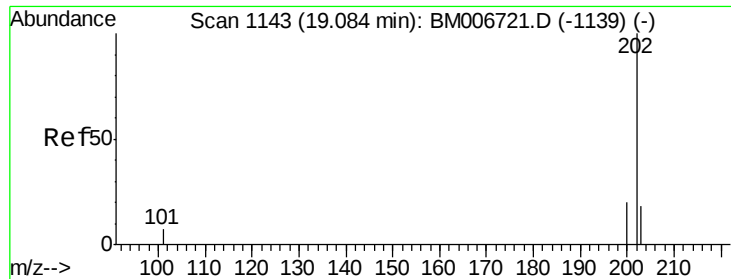


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

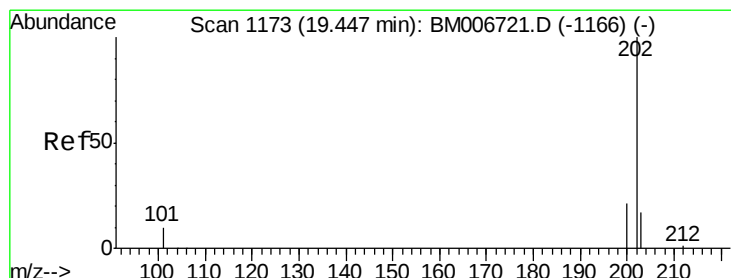
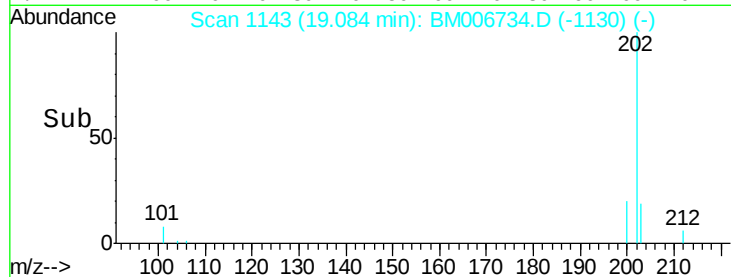
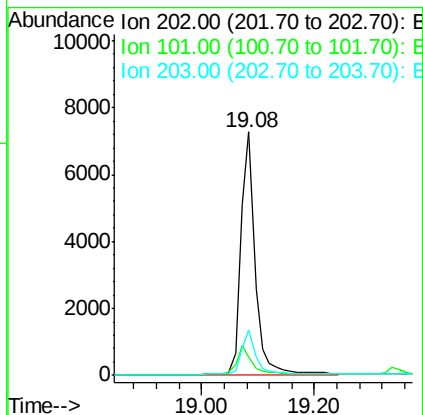
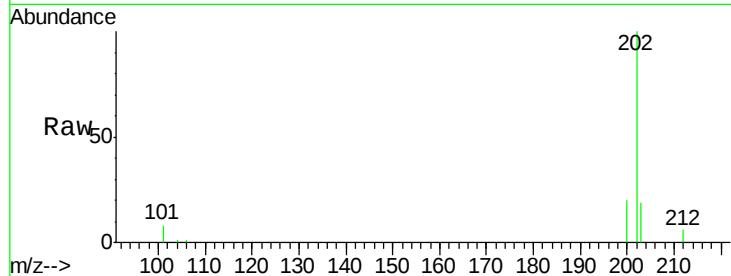




#15
Fluoranthene
 Concen: 0.40 ng/ul
 RT: 19.08 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: BM006734.D
 Acq: 29 Jul 2016 11:32

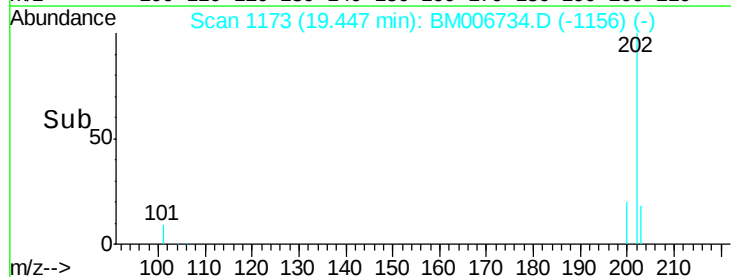
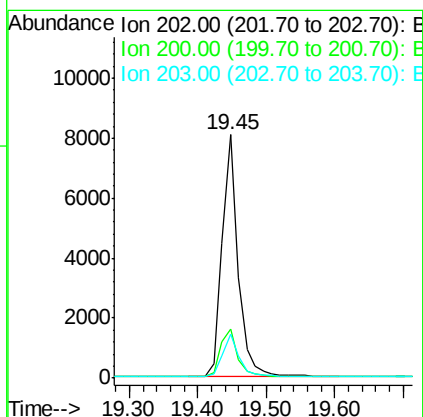
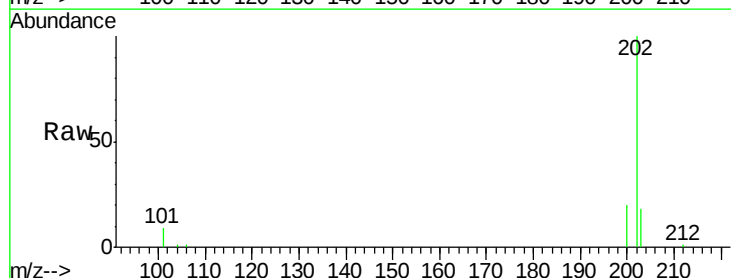
Instrument :
 BNA_M
 ClientSampleId :
 SST0.456

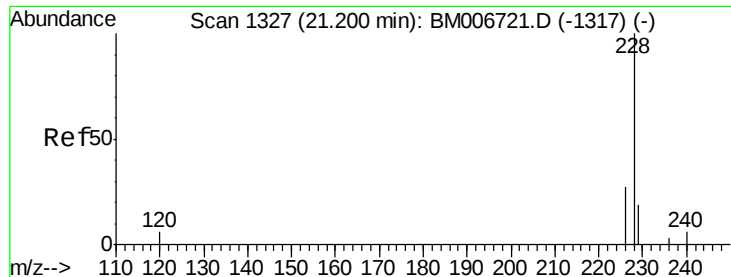
Tgt Ion: 202 Resp: 13632
 Ion Ratio Lower Upper
 202 100
 101 7.6 0.0 29.6
 203 18.8 0.0 36.3



#17
Pyrene
 Concen: 0.47 ng/ul
 RT: 19.45 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: BM006734.D
 Acq: 29 Jul 2016 11:32

Tgt Ion: 202 Resp: 13062
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.8 26.8
 203 18.2 12.8 19.2





#18

Benzo(a)anthracene

Concen: 0.46 ng/ul

RT: 21.20 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BM006734.D

Acq: 29 Jul 2016 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

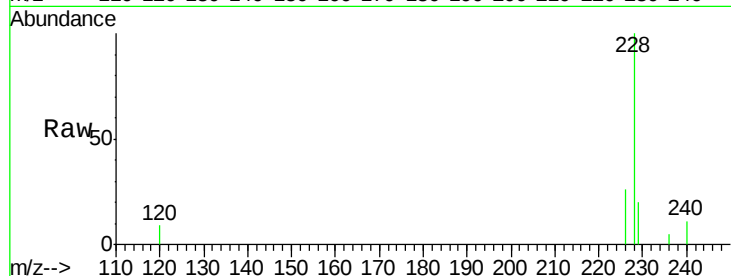
Tgt Ion:228 Resp: 11678

Ion Ratio Lower Upper

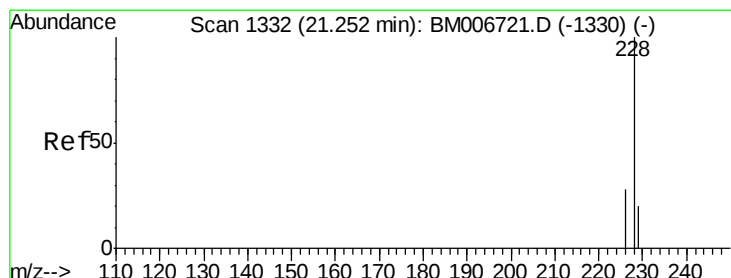
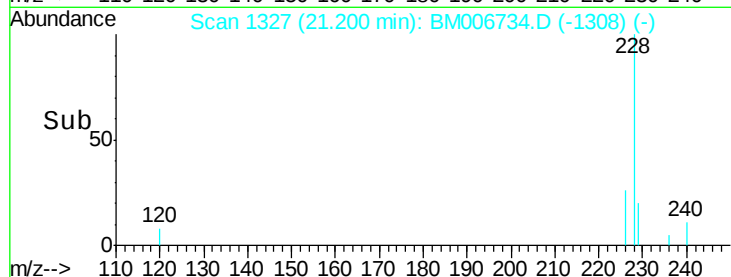
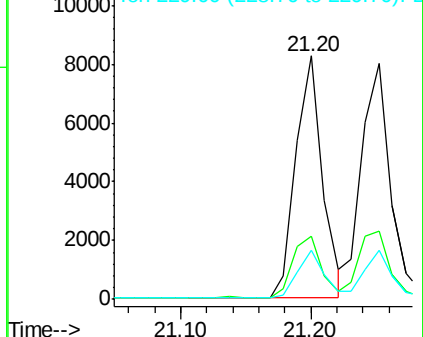
228 100

226 26.1 18.8 28.2

229 20.4 17.1 25.7



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: 0.49 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BM006734.D

Acq: 29 Jul 2016 11:32

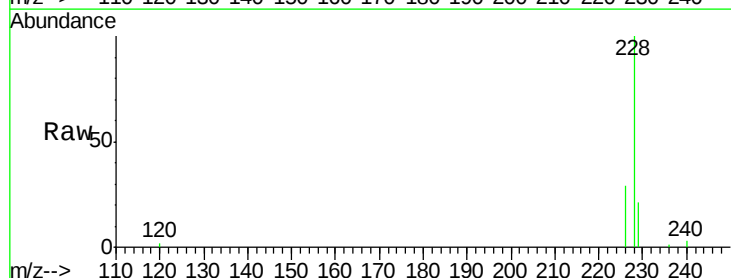
Tgt Ion:228 Resp: 12518

Ion Ratio Lower Upper

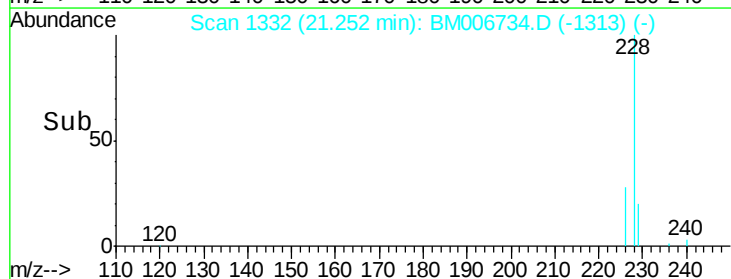
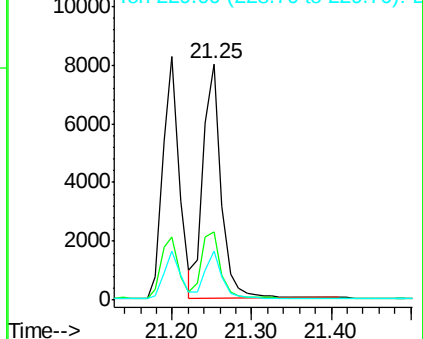
228 100

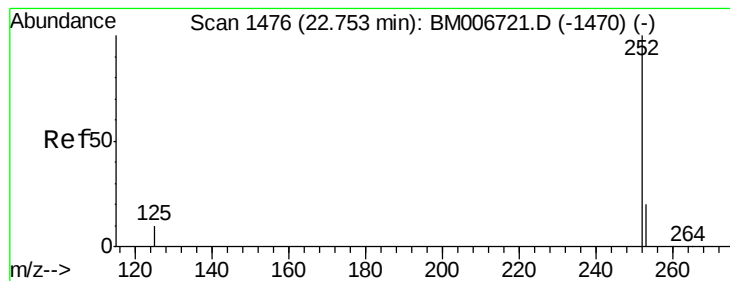
226 28.9 21.2 31.8

229 20.7 17.0 25.6



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: 0.41 ng/ul

RT: 22.75 min Scan# 1476

Delta R.T. -0.00 min

Lab File: BM006734.D

Acq: 29 Jul 2016 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

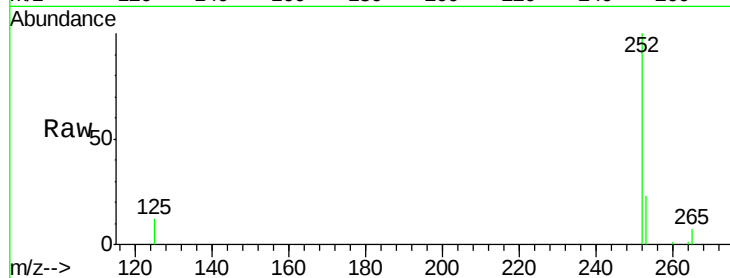
Tgt Ion:252 Resp: 13120

Ion Ratio Lower Upper

252 100

253 23.4 0.0 45.4

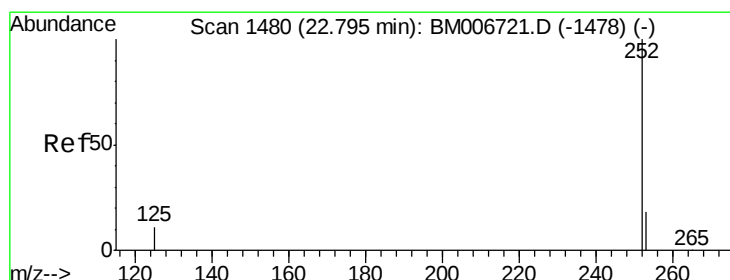
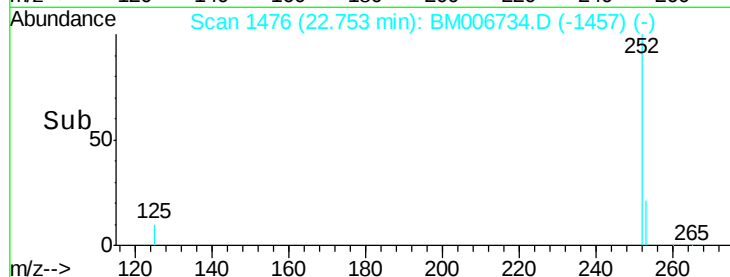
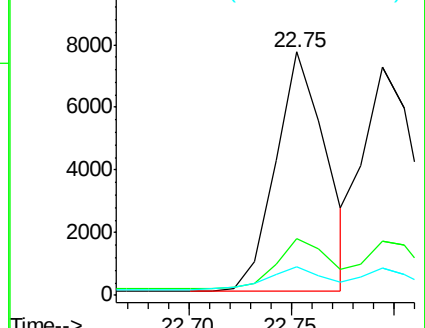
125 11.8 0.0 28.8



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



#22

Benzo(k)fluoranthene

Concen: 0.44 ng/ul

RT: 22.79 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BM006734.D

Acq: 29 Jul 2016 11:32

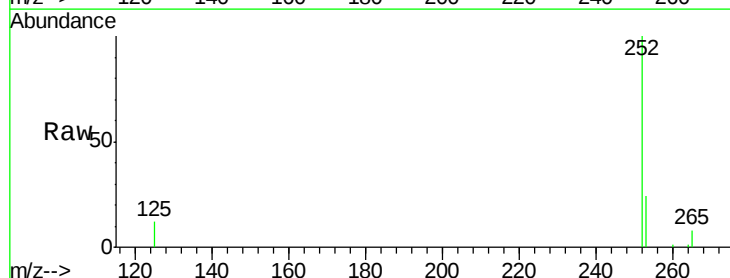
Tgt Ion:252 Resp: 13434

Ion Ratio Lower Upper

252 100

253 23.6 19.8 29.8

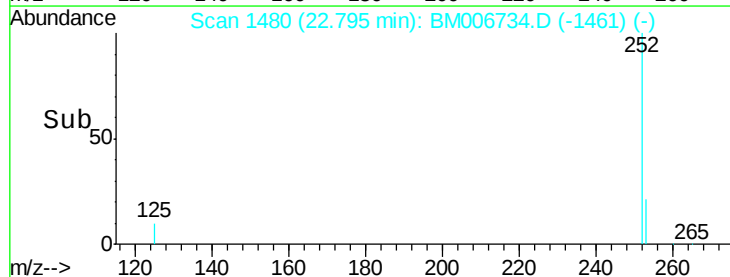
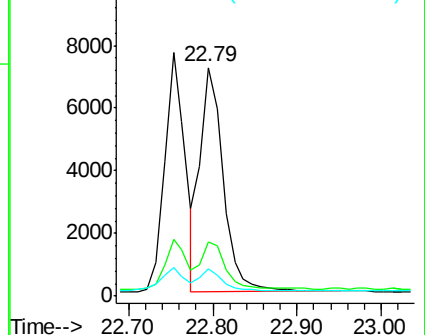
125 12.1 10.4 15.6

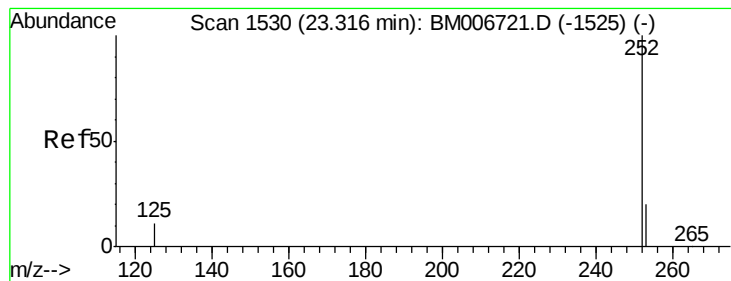


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.44 ng/ul

RT: 23.32 min Scan# 1530

Delta R.T. -0.00 min

Lab File: BM006734.D

Acq: 29 Jul 2016 11:32

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

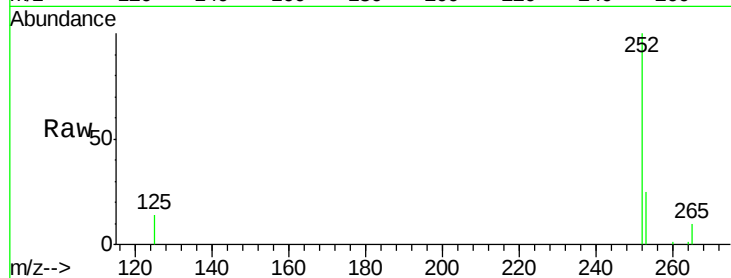
Tgt Ion:252 Resp: 12950

Ion Ratio Lower Upper

252 100

253 24.6 19.4 29.2

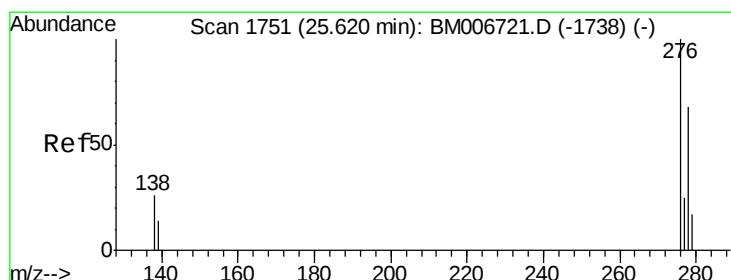
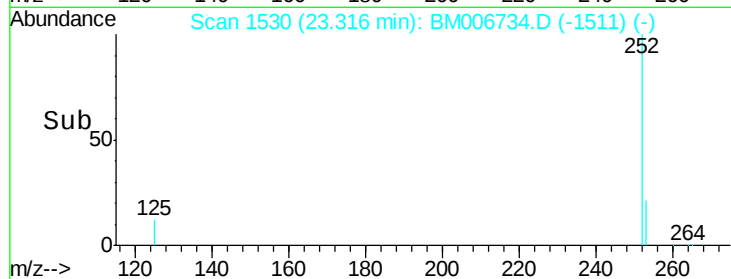
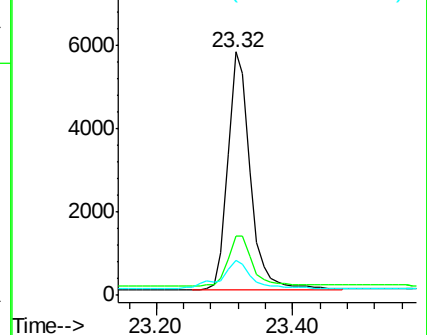
125 14.3 12.7 19.1



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.41 ng/ul

RT: 25.62 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BM006734.D

Acq: 29 Jul 2016 11:32

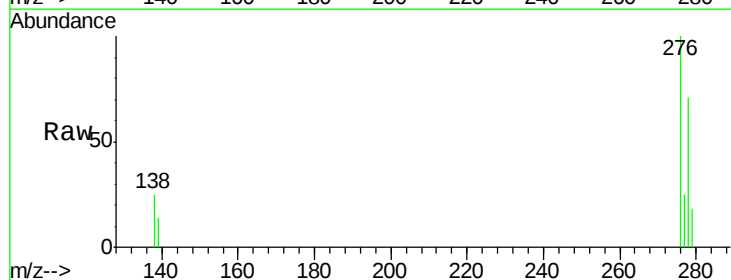
Tgt Ion:276 Resp: 15362

Ion Ratio Lower Upper

276 100

138 26.2 16.3 24.5#

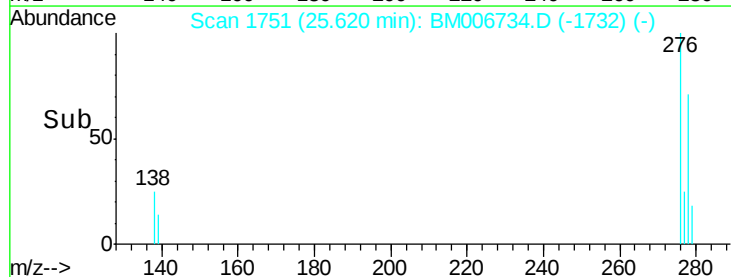
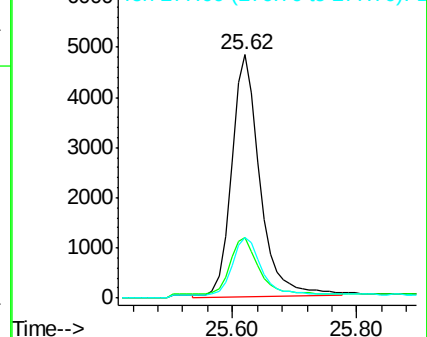
277 25.8 19.8 29.8

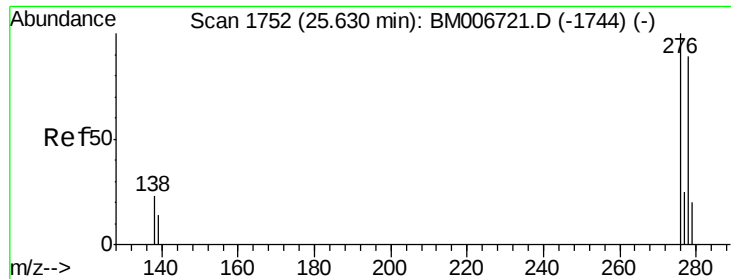


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

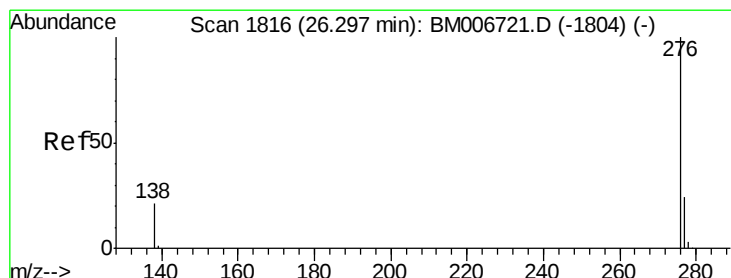
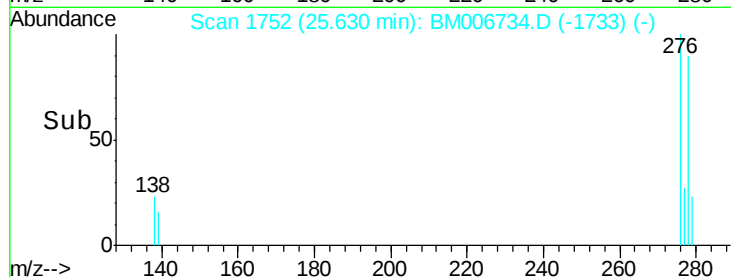
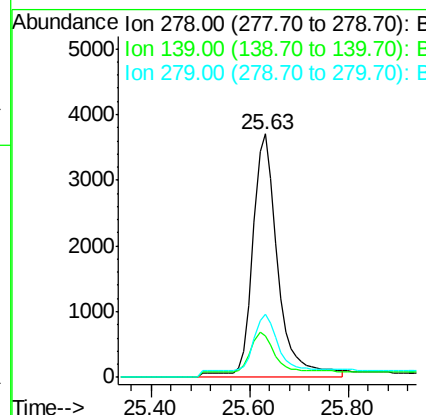
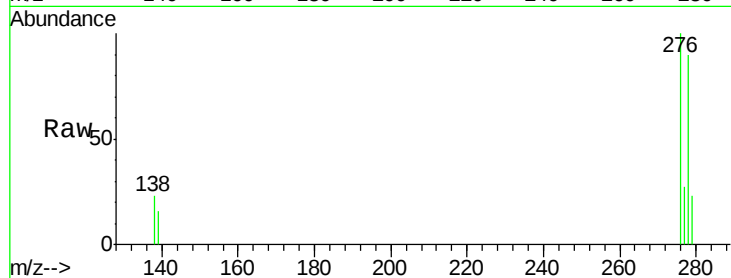




#25
Dibenzo(a,h)anthracene
Concen: 0.46 ng/ul
RT: 25.63 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BM006734.D
Acq: 29 Jul 2016 11:32

Instrument :
BNA_M
ClientSampleId :
SSTD0.456

Tgt Ion: 278 Resp: 12867
Ion Ratio Lower Upper
278 100
139 17.2 16.4 24.6
279 25.9 20.2 30.2



#26
Benzo(g,h,i)perylene
Concen: 0.44 ng/ul
RT: 26.29 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BM006734.D
Acq: 29 Jul 2016 11:32

Tgt Ion: 276 Resp: 13094
Ion Ratio Lower Upper
276 100
277 24.4 18.9 28.3
138 22.6 22.5 33.7

