

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092916\
 Data File : BM007646.D
 Acq On : 30 Sep 2016 02:33
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.463

Quant Time: Sep 30 03:24:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM092116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 30 01:33:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	2081	0.40	ng/ul	0.00
2) Naphthalene-d8	10.56	136	7889	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.40	164	4932	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.14	188	13039	0.40	ng/ul	-0.02
16) Chrysene-d12	21.34	240	11441	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	9069	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.15	152	4332	0.47	ng/ul	-0.01
14) Fluoranthene-d10	19.19	212	12826	0.42	ng/ul	0.00

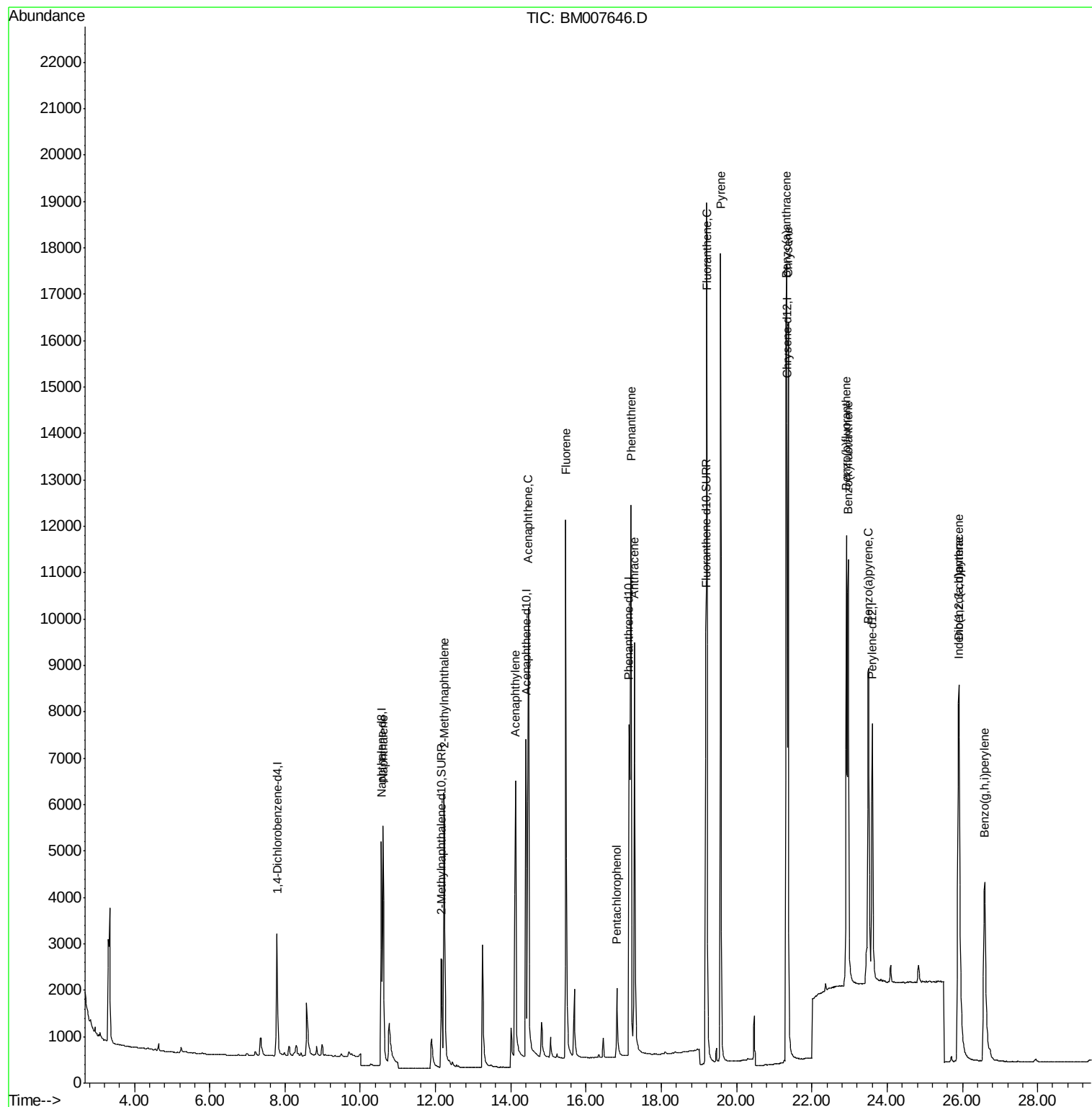
Target Compounds				Qvalue		
3) Naphthalene	10.61	128	8292	0.45	ng/ul	98
5) 2-Methylnaphthalene	12.23	142	5916	0.48	ng/ul	100
7) Acenaphthylene	14.13	152	9596	0.46	ng/ul	99
8) Acenaphthene	14.47	153	7351	0.45	ng/ul	99
9) Fluorene	15.46	166	9184	0.46	ng/ul	100
11) Pentachlorophenol	16.82	266	1528	0.43	ng/ul	97
12) Phenanthrene	17.19	178	15424	0.44	ng/ul	99
13) Anthracene	17.28	178	13989	0.44	ng/ul	99
15) Fluoranthene	19.21	202	18703	0.42	ng/ul	97
17) Pyrene	19.57	202	19332	0.51	ng/ul	96
18) Benzo(a)anthracene	21.32	228	15631	0.46	ng/ul	94
19) Chrysene	21.37	228	15541	0.43	ng/ul	98
21) Benzo(b)fluoranthene	22.91	252	16236	0.54	ng/ul	99
22) Benzo(k)fluoranthene	22.96	252	13359	0.44	ng/ul	97
23) Benzo(a)pyrene	23.51	252	13166	0.47	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.89	276	13278	0.46	ng/ul	99
25) Dibenzo(a,h)anthracene	25.90	278	10547	0.48	ng/ul	98
26) Benzo(g,h,i)perylene	26.59	276	11630	0.45	ng/ul	98

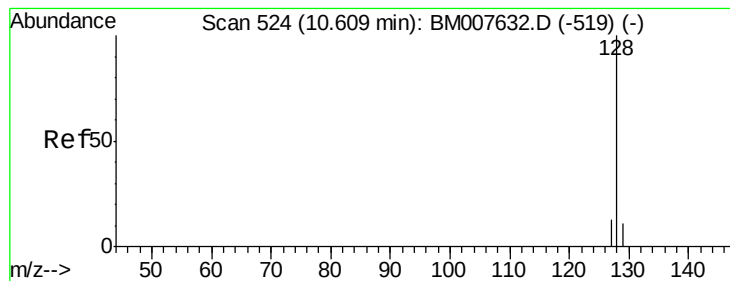
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.45 ng/ul

RT: 10.61 min Scan# 524

Delta R.T. 0.00 min

Lab File: BM007646.D

Acq: 30 Sep 2016 02:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

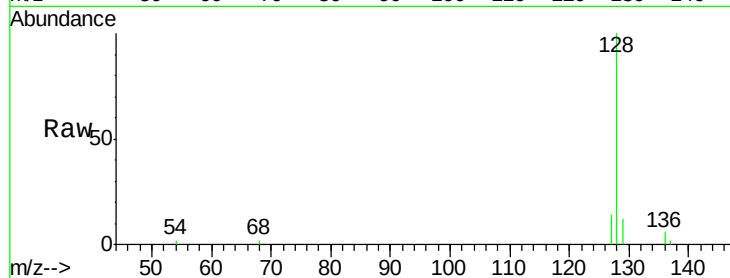
Tgt Ion:128 Resp: 8292

Ion Ratio Lower Upper

128 100

129 11.8 10.7 16.1

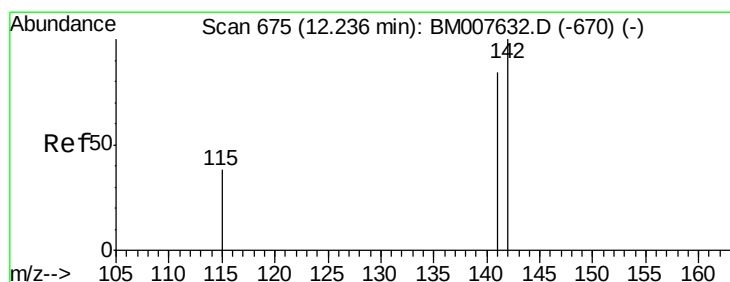
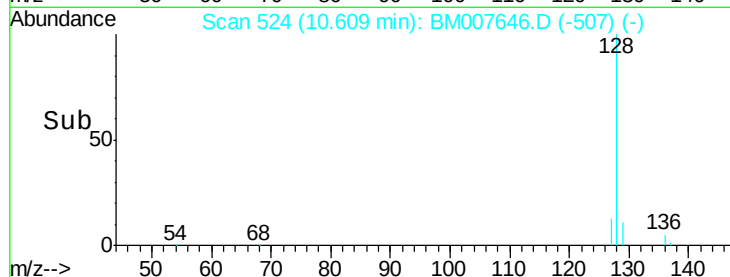
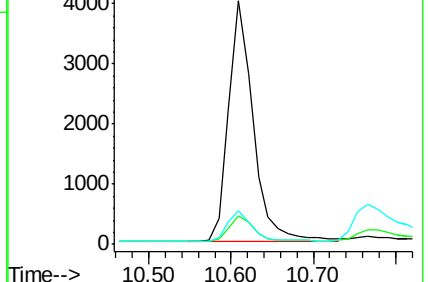
127 13.9 11.3 16.9



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: 0.48 ng/ul

RT: 12.23 min Scan# 674

Delta R.T. -0.01 min

Lab File: BM007646.D

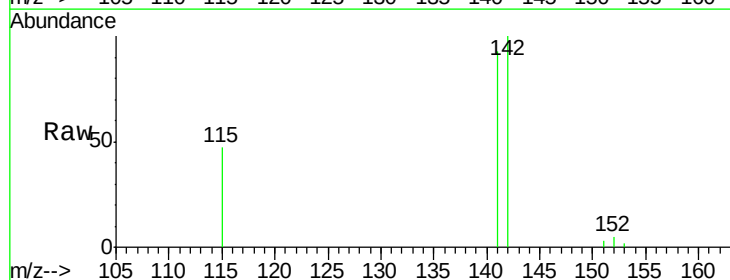
Acq: 30 Sep 2016 02:33

Tgt Ion:142 Resp: 5916

Ion Ratio Lower Upper

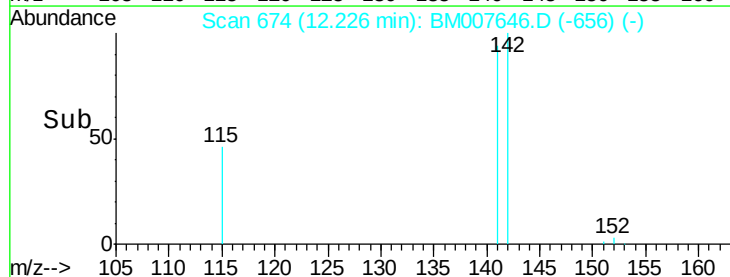
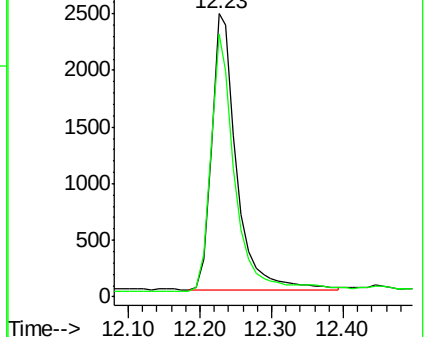
142 100

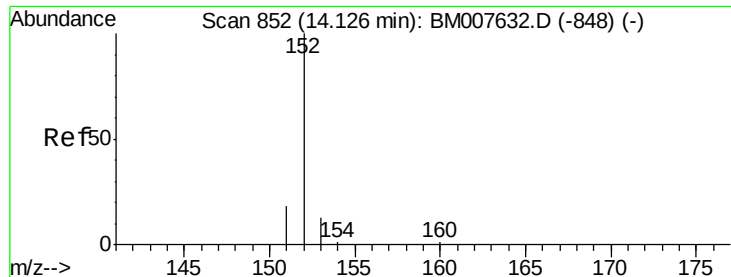
141 91.0 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.46 ng/ul

RT: 14.13 min Scan# 852

Delta R.T. 0.00 min

Lab File: BM007646.D

Acq: 30 Sep 2016 02:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

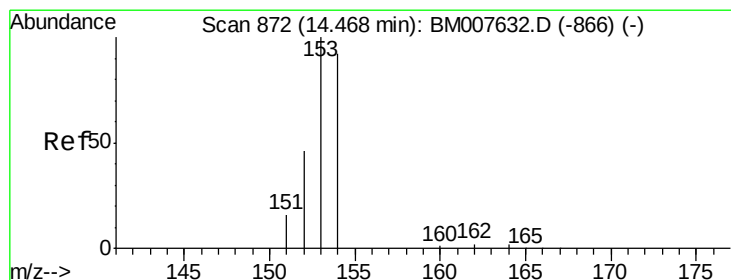
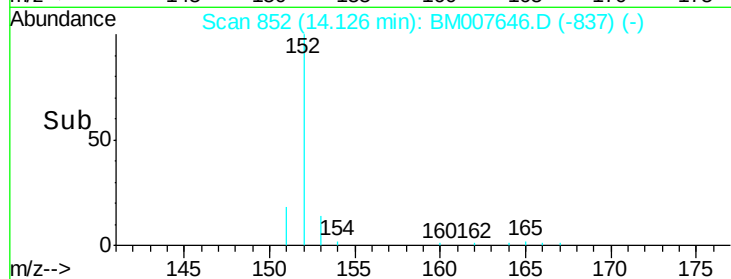
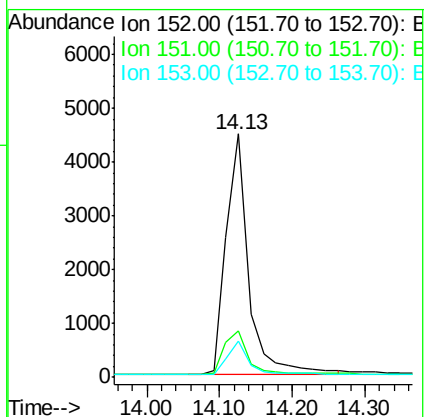
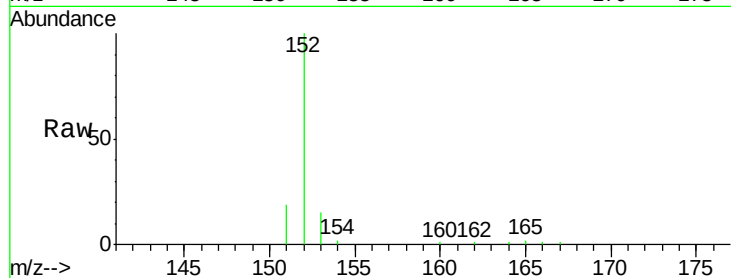
Tgt Ion:152 Resp: 9596

Ion Ratio Lower Upper

152 100

151 18.9 15.8 23.8

153 14.8 12.2 18.2



#8

Acenaphthene

Concen: 0.45 ng/ul

RT: 14.47 min Scan# 872

Delta R.T. 0.00 min

Lab File: BM007646.D

Acq: 30 Sep 2016 02:33

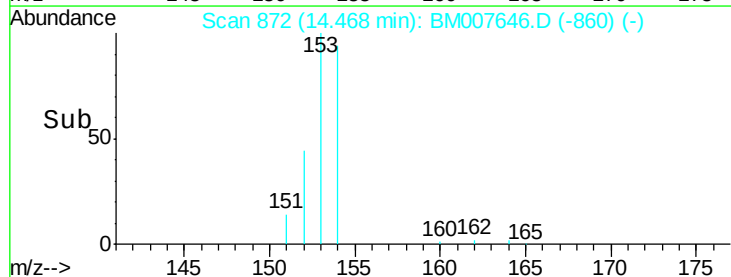
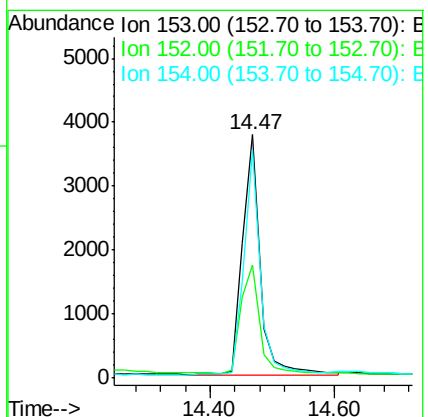
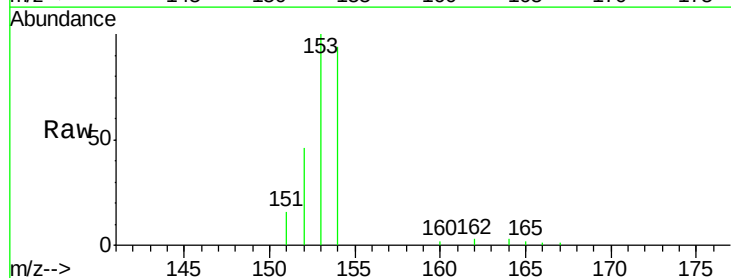
Tgt Ion:153 Resp: 7351

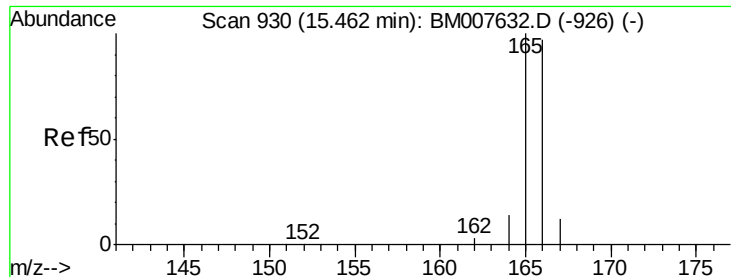
Ion Ratio Lower Upper

153 100

152 46.3 37.6 56.4

154 93.5 74.6 112.0

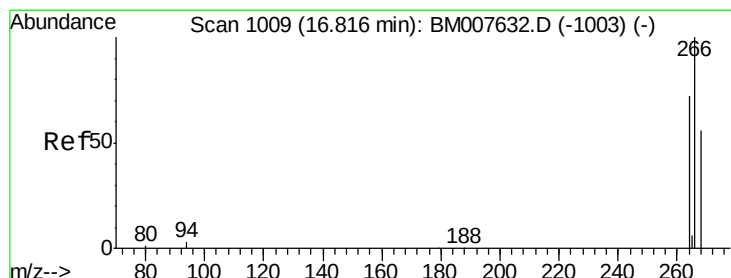
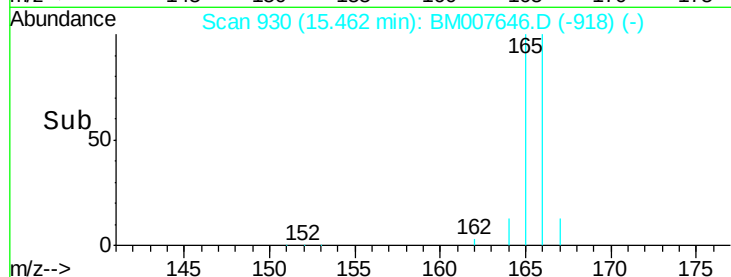
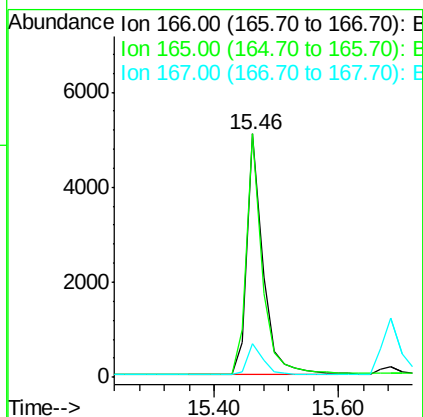
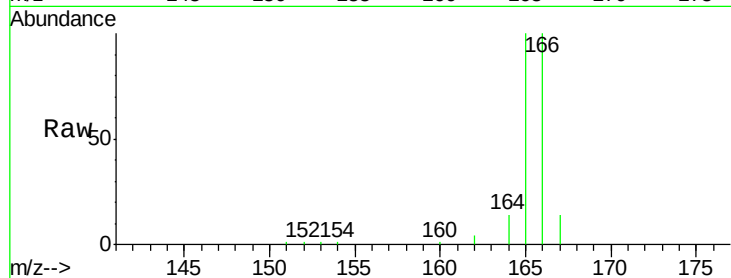




#9
Fluorene
 Concen: 0.46 ng/ul
 RT: 15.46 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: BM007646.D
 Acq: 30 Sep 2016 02:33

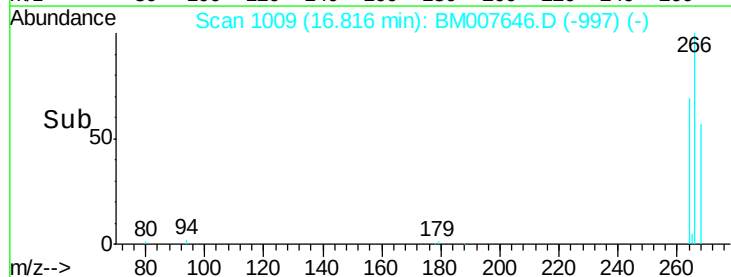
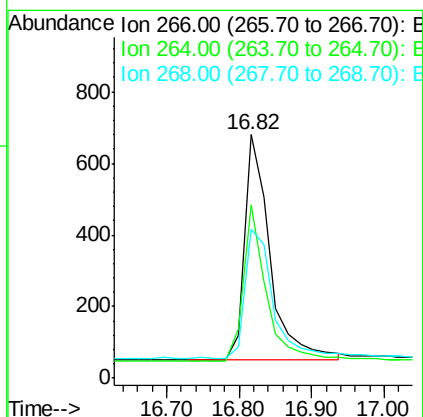
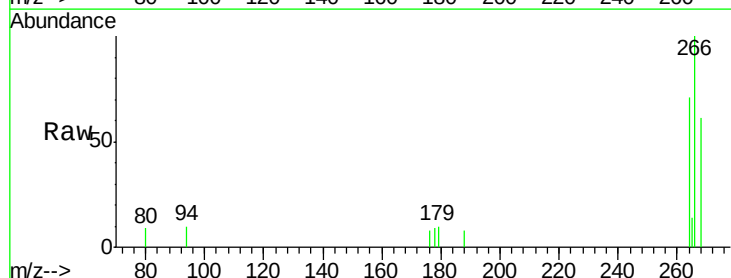
Instrument :
 BNA_M
 ClientSampleId :
 SST0.463

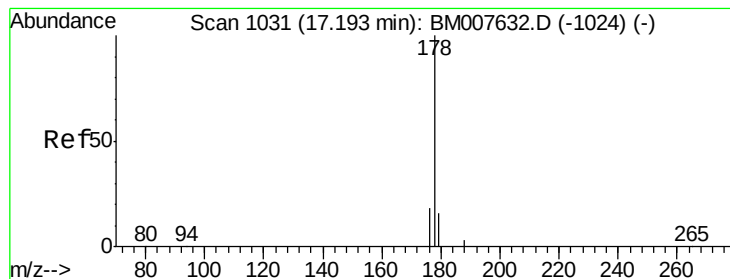
Tgt Ion:166 Resp: 9184
 Ion Ratio Lower Upper
 166 100
 165 99.9 79.8 119.8
 167 13.8 11.5 17.3



#11
Pentachlorophenol
 Concen: 0.43 ng/ul
 RT: 16.82 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BM007646.D
 Acq: 30 Sep 2016 02:33

Tgt Ion:266 Resp: 1528
 Ion Ratio Lower Upper
 266 100
 264 62.4 51.4 77.2
 268 63.2 52.9 79.3





#12

Phenanthrene

Concen: 0.44 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BM007646.D

Acq: 30 Sep 2016 02:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

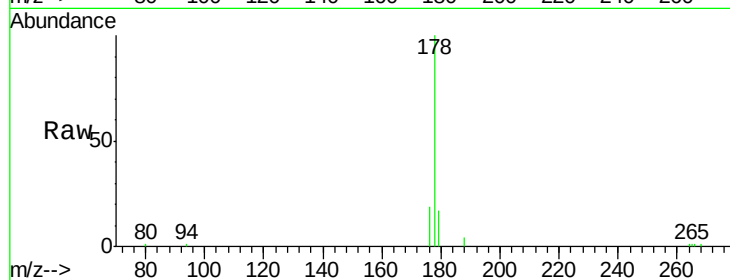
Tgt Ion:178 Resp: 15424

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

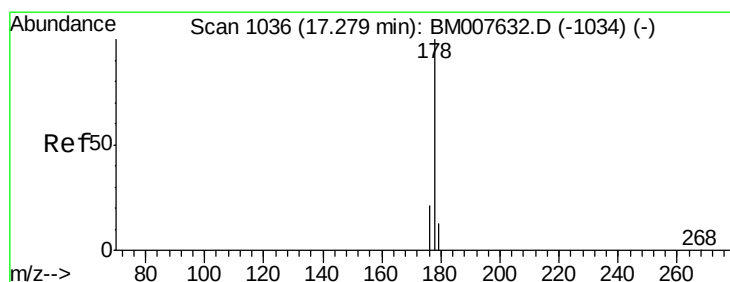
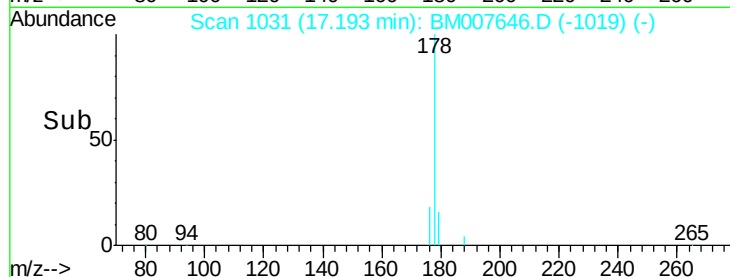
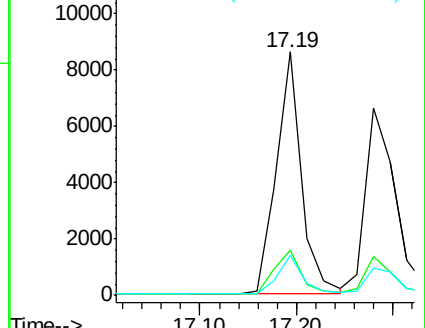
179 16.5 13.7 20.5



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: 0.44 ng/ul

RT: 17.28 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BM007646.D

Acq: 30 Sep 2016 02:33

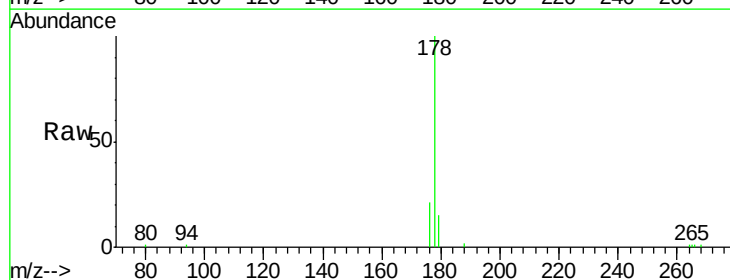
Tgt Ion:178 Resp: 13989

Ion Ratio Lower Upper

178 100

176 20.7 16.6 24.8

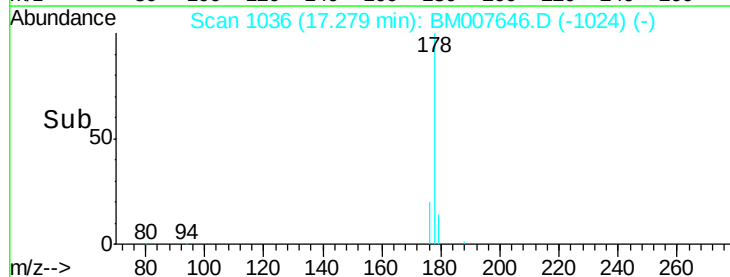
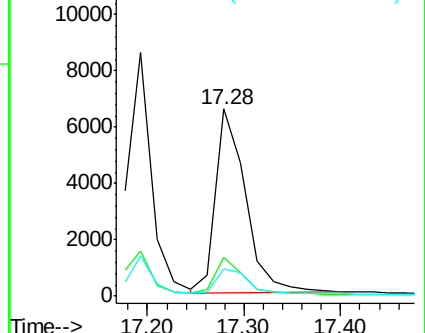
179 14.8 12.5 18.7

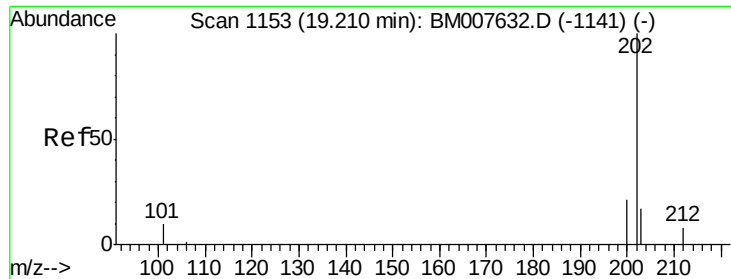


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.42 ng/ul

RT: 19.21 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BM007646.D

Acq: 30 Sep 2016 02:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

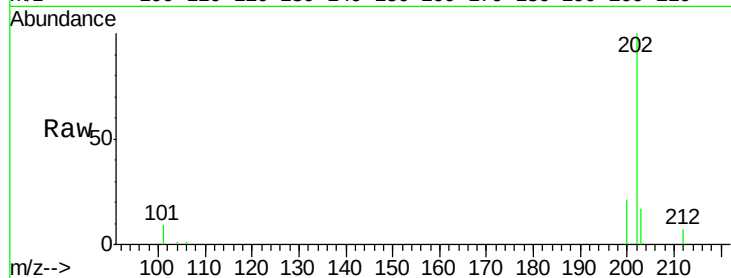
Tgt Ion:202 Resp: 18703

Ion Ratio Lower Upper

202 100

101 9.1 0.0 28.4

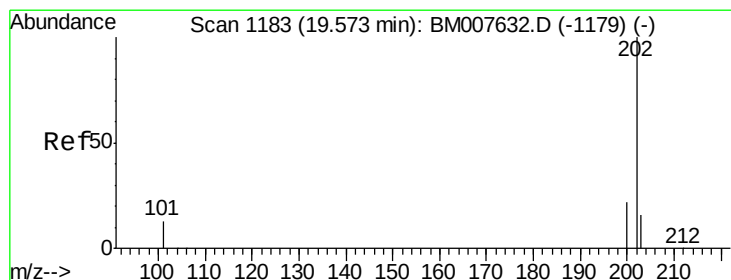
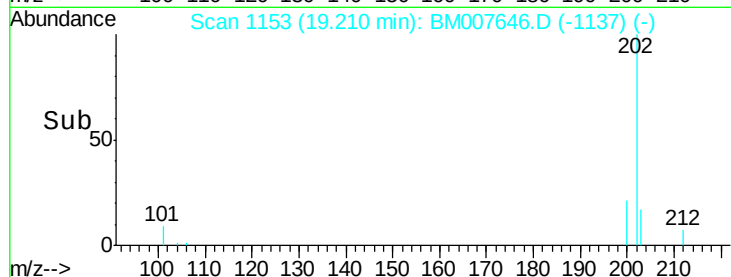
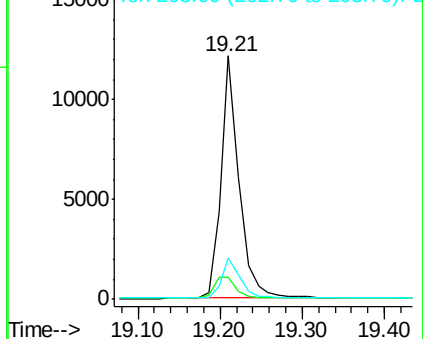
203 17.1 0.0 39.0



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: 0.51 ng/ul

RT: 19.57 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BM007646.D

Acq: 30 Sep 2016 02:33

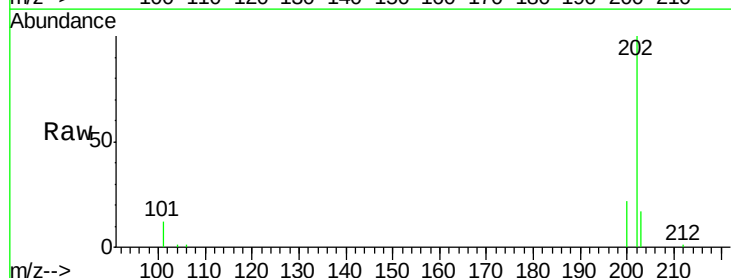
Tgt Ion:202 Resp: 19332

Ion Ratio Lower Upper

202 100

200 22.1 15.9 23.9

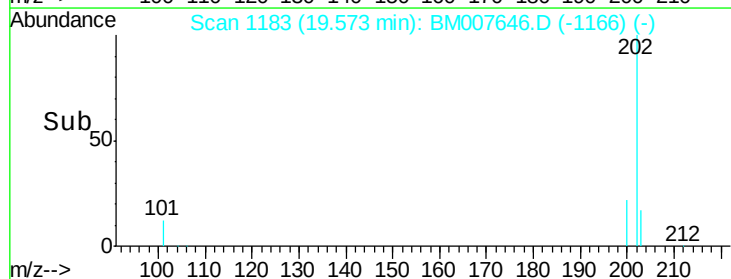
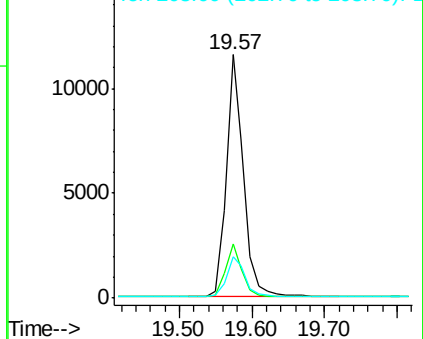
203 17.2 15.0 22.4

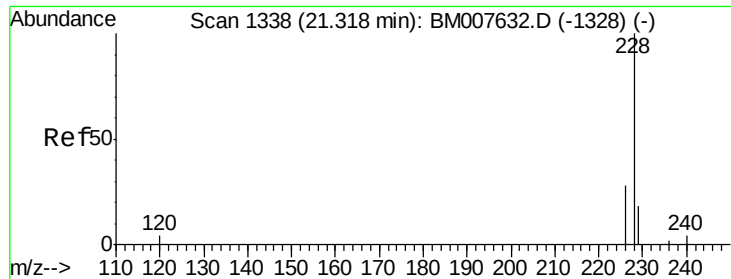


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.46 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BM007646.D

Acq: 30 Sep 2016 02:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

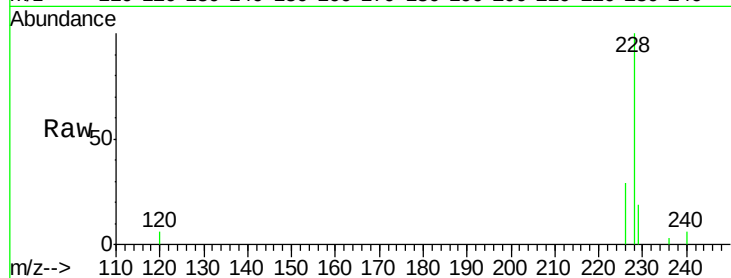
Tgt Ion:228 Resp: 15631

Ion Ratio Lower Upper

228 100

226 28.6 20.2 30.4

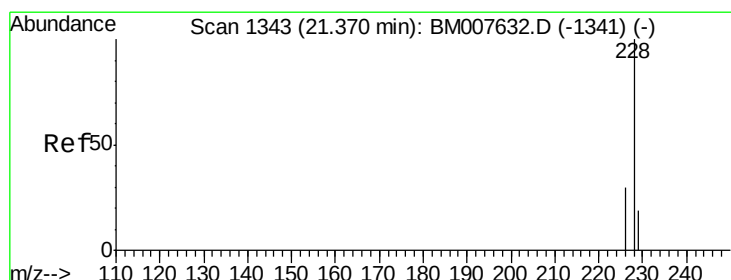
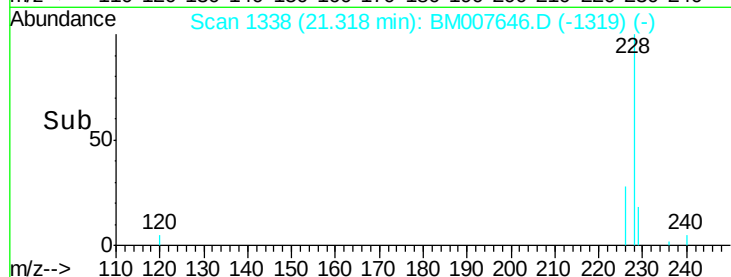
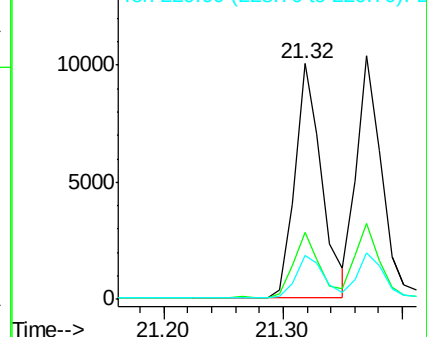
229 18.7 16.7 25.1



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



#19

Chrysene

Concen: 0.43 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BM007646.D

Acq: 30 Sep 2016 02:33

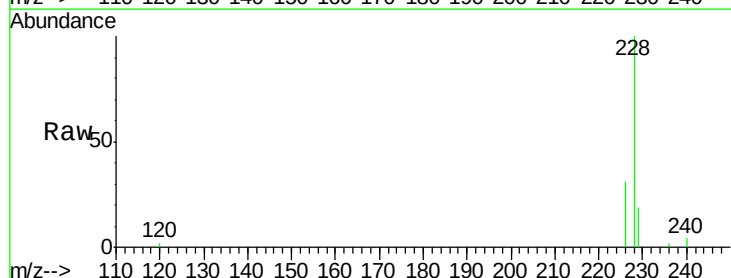
Tgt Ion:228 Resp: 15541

Ion Ratio Lower Upper

228 100

226 31.1 25.9 38.9

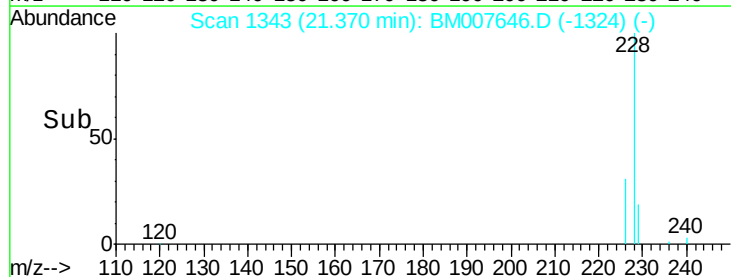
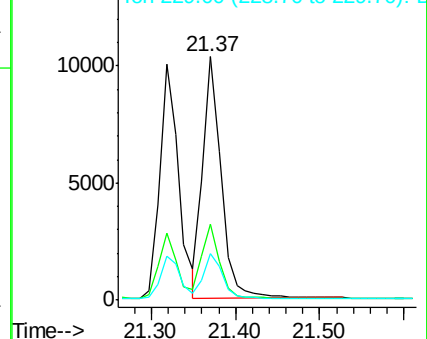
229 19.2 14.7 22.1

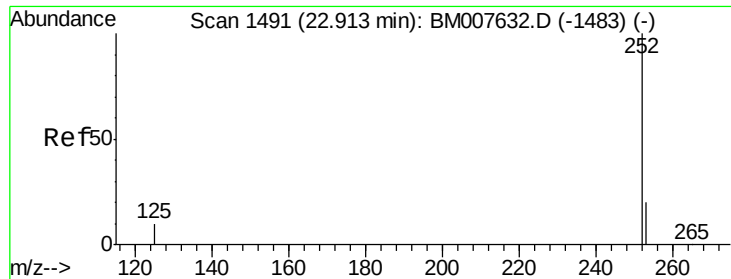


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.54 ng/ul

RT: 22.91 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BM007646.D

Acq: 30 Sep 2016 02:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

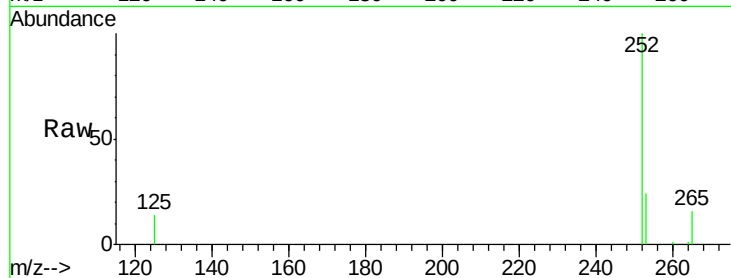
Tgt Ion:252 Resp: 16236

Ion Ratio Lower Upper

252 100

253 24.1 0.0 49.2

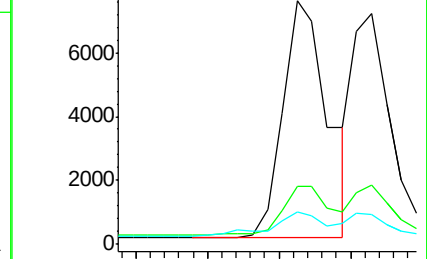
125 13.6 0.0 27.2



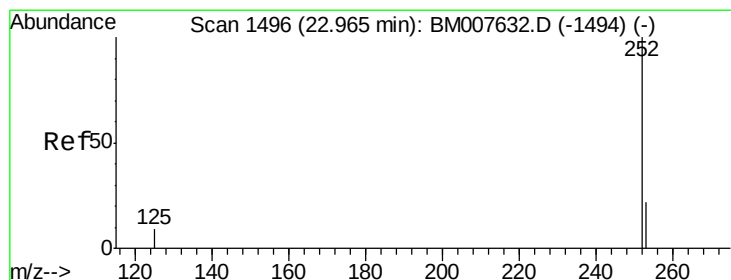
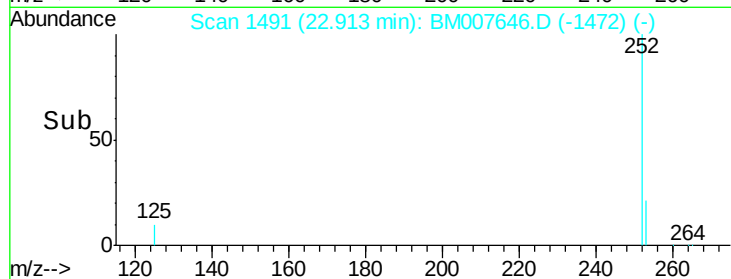
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#22

Benzo(k)fluoranthene

Concen: 0.44 ng/ul

RT: 22.96 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BM007646.D

Acq: 30 Sep 2016 02:33

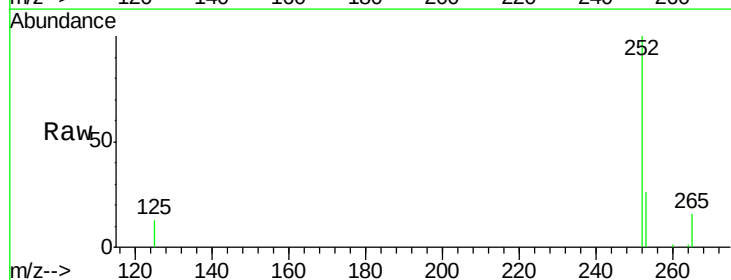
Tgt Ion:252 Resp: 13359

Ion Ratio Lower Upper

252 100

253 25.6 19.7 29.5

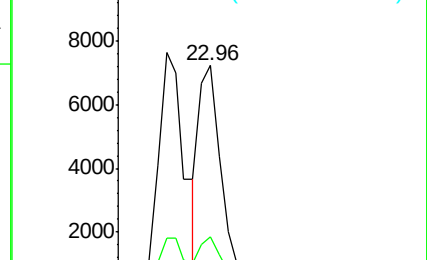
125 13.0 11.5 17.3



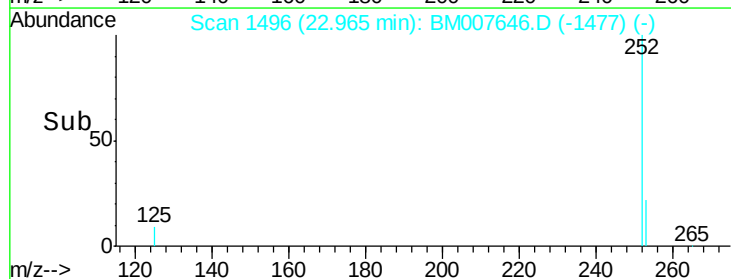
Abundance Ion 252.00 (251.70 to 252.70): E

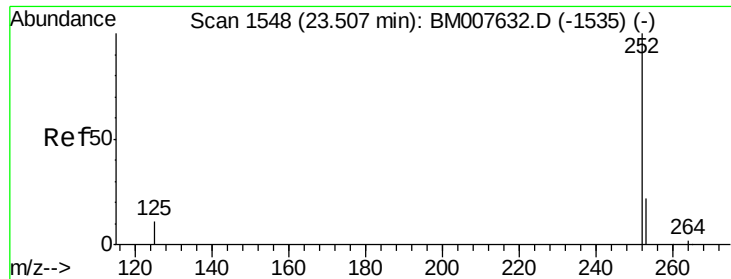
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#23

Benzo(a)pyrene

Concen: 0.47 ng/ul

RT: 23.51 min Scan# 1548

Delta R.T. 0.00 min

Lab File: BM007646.D

Acq: 30 Sep 2016 02:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

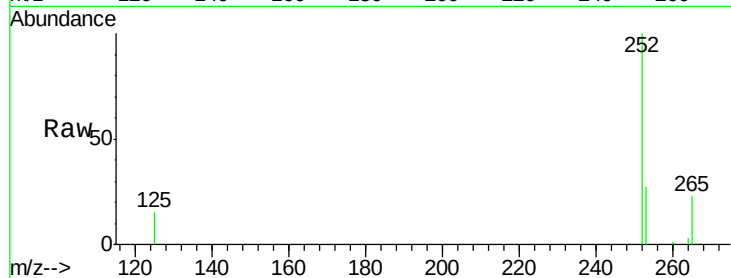
Tgt Ion:252 Resp: 13166

Ion Ratio Lower Upper

252 100

253 27.4 20.6 31.0

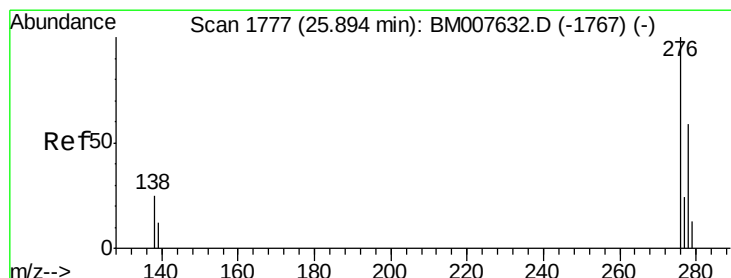
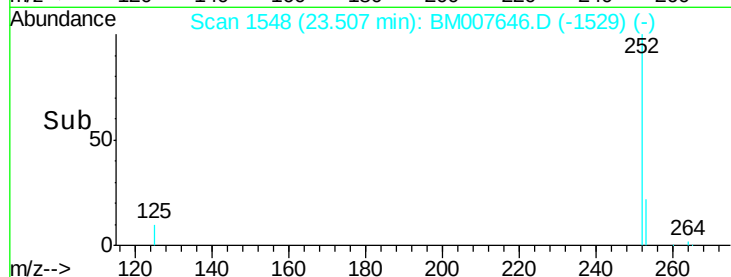
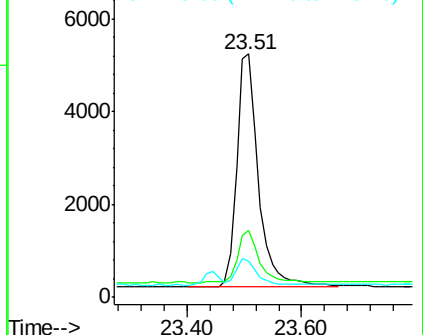
125 15.1 13.4 20.2



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.46 ng/ul

RT: 25.89 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BM007646.D

Acq: 30 Sep 2016 02:33

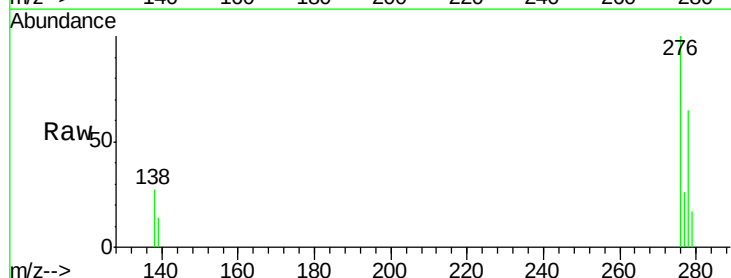
Tgt Ion:276 Resp: 13278

Ion Ratio Lower Upper

276 100

138 24.8 20.8 31.2

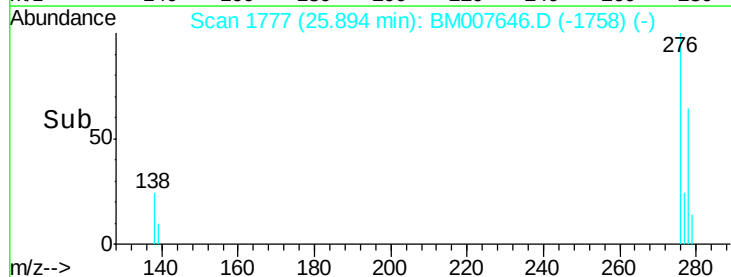
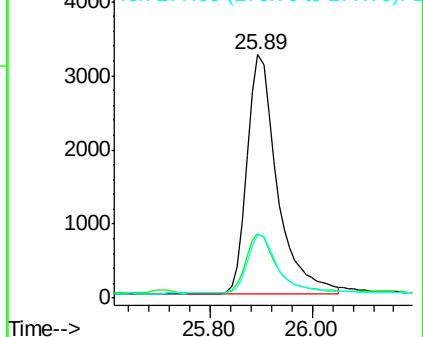
277 24.6 19.6 29.4

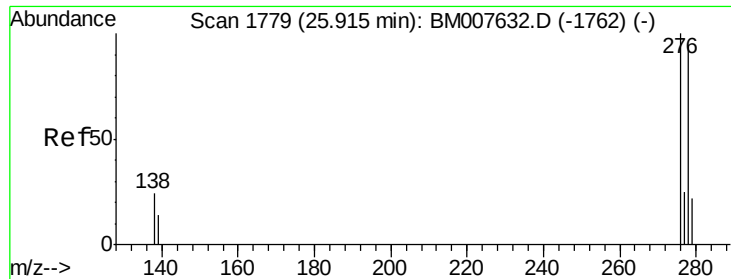


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

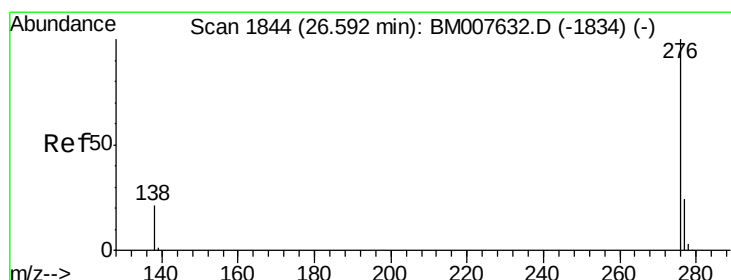
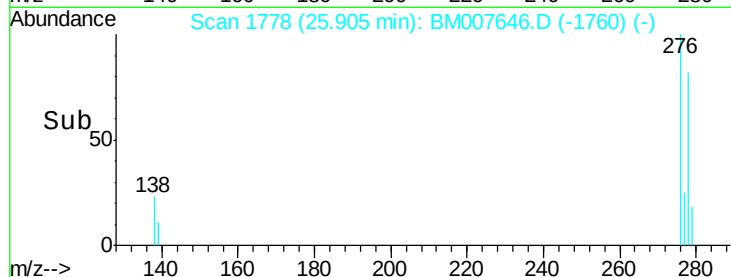
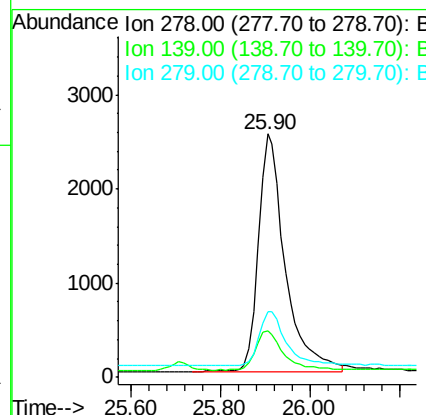
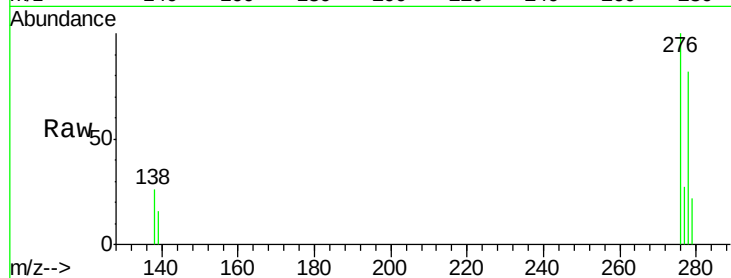




#25
Dibenzo(a,h)anthracene
Concen: 0.48 ng/ul
RT: 25.90 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BM007646.D
Acq: 30 Sep 2016 02:33

Instrument :
BNA_M
ClientSampleId :
SSTD0.463

Tgt Ion: 278 Resp: 10547
Ion Ratio Lower Upper
278 100
139 19.3 16.9 25.3
279 26.8 21.3 31.9



#26
Benzo(g,h,i)perylene
Concen: 0.45 ng/ul
RT: 26.59 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BM007646.D
Acq: 30 Sep 2016 02:33

Tgt Ion: 276 Resp: 11630
Ion Ratio Lower Upper
276 100
277 25.5 20.5 30.7
138 23.1 20.3 30.5

