

Data Path : Z:\HPCHEM1\BNA_M\Data\BM072916\
 Data File : BM006732.D
 Acq On : 29 Jul 2016 08:52
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.455

Quant Time: Jul 29 11:59:53 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	1904	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	6697	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	3472	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	8227	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	8085	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	7914	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	3448	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	8992	0.41	ng/ul	0.00

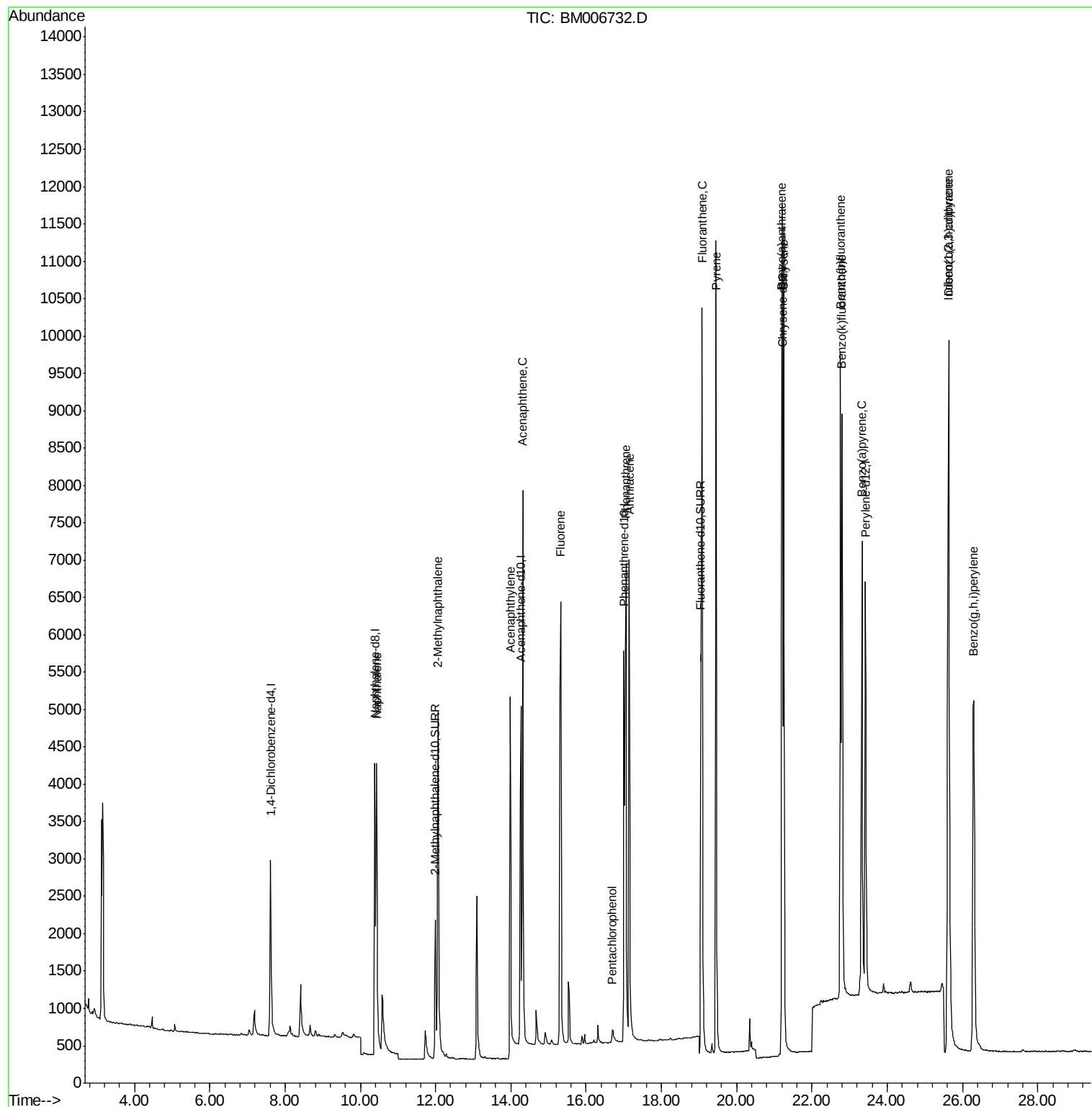
Target Compounds				Qvalue		
3) Naphthalene	10.44	128	6841	0.41	ng/ul	96
5) 2-Methylnaphthalene	12.06	142	4676	0.41	ng/ul	99
7) Acenaphthylene	13.99	152	7911	0.40	ng/ul	95
8) Acenaphthene	14.31	153	4967	0.41	ng/ul	88
9) Fluorene	15.32	166	5851	0.41	ng/ul	98
11) Pentachlorophenol	16.70	266	300	0.29	ng/ul	95
12) Phenanthrene	17.06	178	9724	0.42	ng/ul	97
13) Anthracene	17.14	178	9009	0.41	ng/ul	97
15) Fluoranthene	19.08	202	12819	0.40	ng/ul	95
17) Pyrene	19.45	202	12090	0.49	ng/ul	97
18) Benzo(a)anthracene	21.20	228	10716	0.48	ng/ul	95
19) Chrysene	21.25	228	10736	0.48	ng/ul	95
21) Benzo(b)fluoranthene	22.75	252	11424	0.42	ng/ul	97
22) Benzo(k)fluoranthene	22.79	252	12118	0.47	ng/ul	98
23) Benzo(a)pyrene	23.33	252	11193	0.45	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.62	276	14110	0.45	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.63	278	10577	0.45	ng/ul	98
26) Benzo(g,h,i)perylene	26.30	276	11588	0.46	ng/ul	93

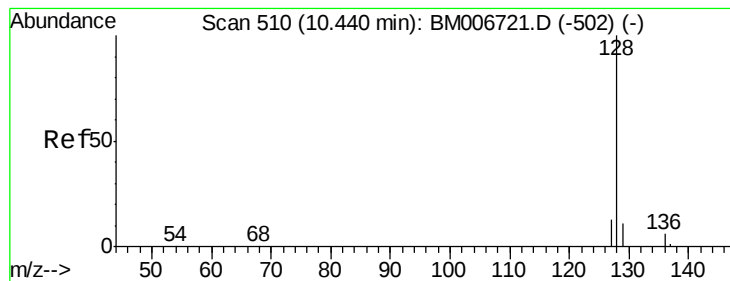
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 28 15:44:03 2016
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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: BM006732.D

Acq: 29 Jul 2016 08:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

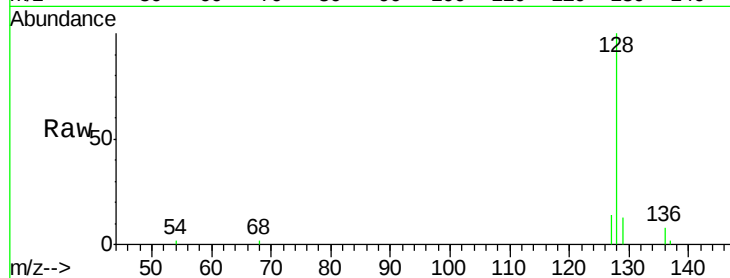
Tgt Ion:128 Resp: 6841

Ion Ratio Lower Upper

128 100

129 13.1 9.0 13.6

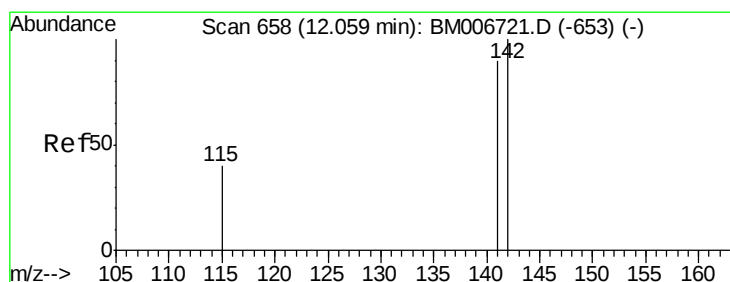
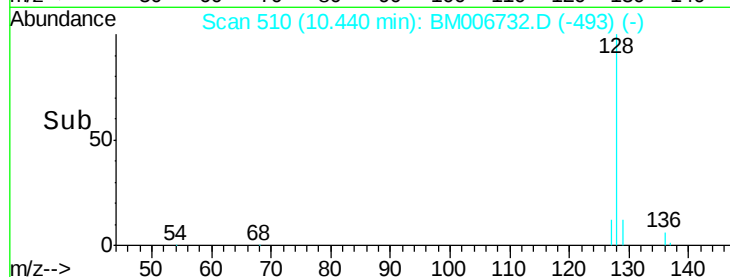
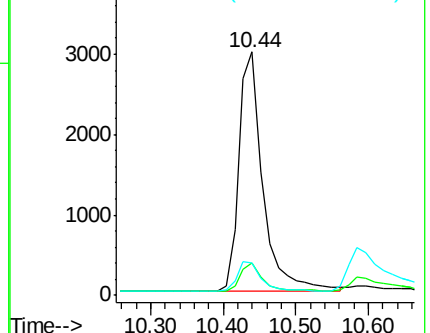
127 13.5 9.6 14.4



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: 0.41 ng/ul

RT: 12.06 min Scan# 658

Delta R.T. 0.00 min

Lab File: BM006732.D

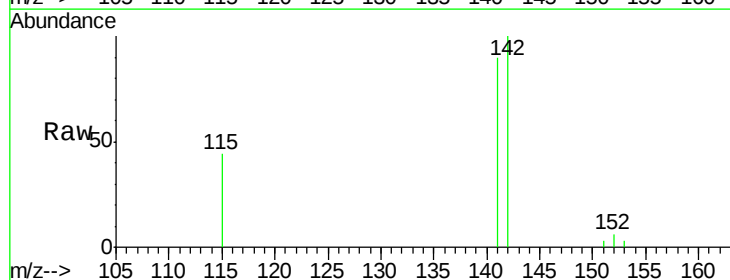
Acq: 29 Jul 2016 08:52

Tgt Ion:142 Resp: 4676

Ion Ratio Lower Upper

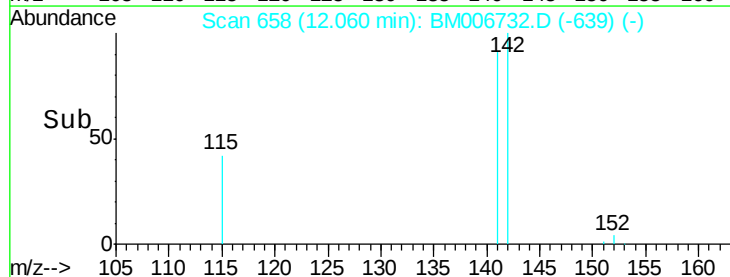
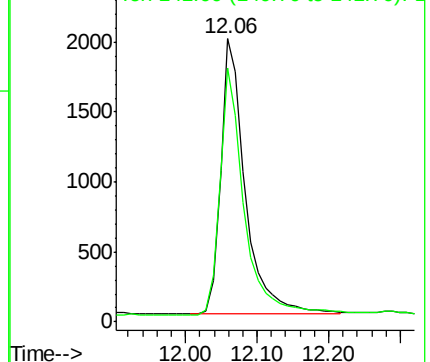
142 100

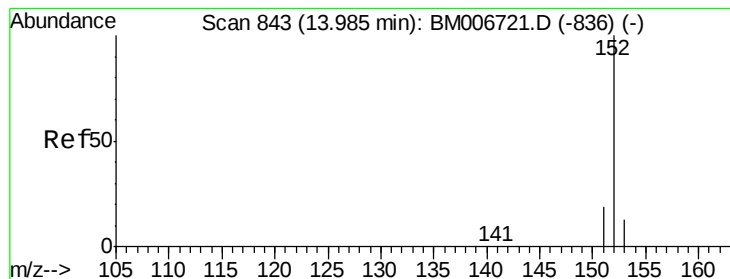
141 89.1 70.3 105.5



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: BM006732.D

Acq: 29 Jul 2016 08:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

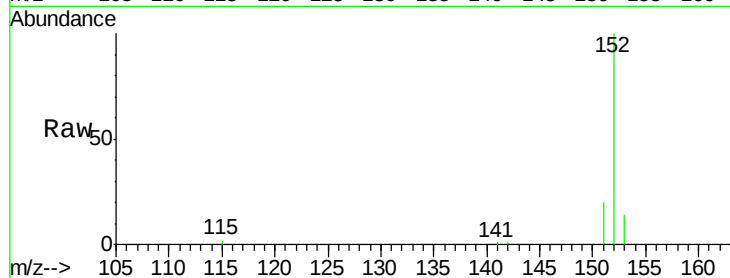
Tgt Ion:152 Resp: 7911

Ion Ratio Lower Upper

152 100

151 19.7 17.6 26.4

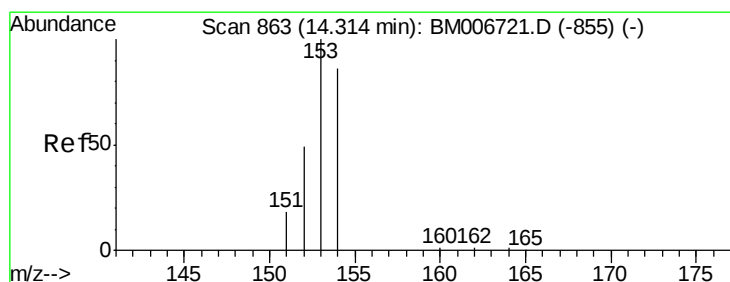
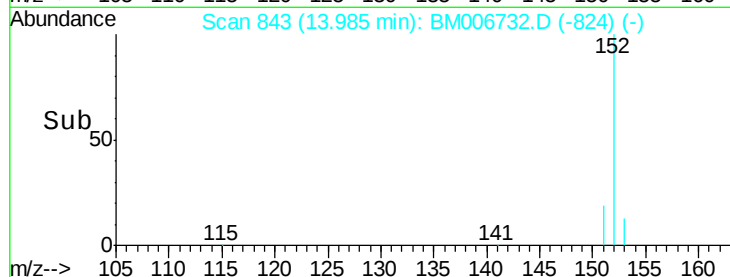
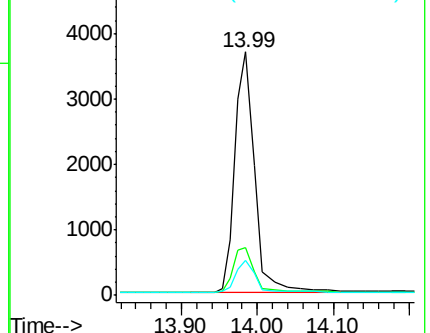
153 14.4 9.7 14.5



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: BM006732.D

Acq: 29 Jul 2016 08:52

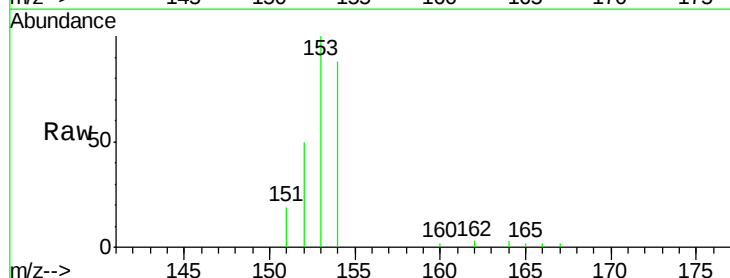
Tgt Ion:153 Resp: 4967

Ion Ratio Lower Upper

153 100

152 50.1 33.9 50.9

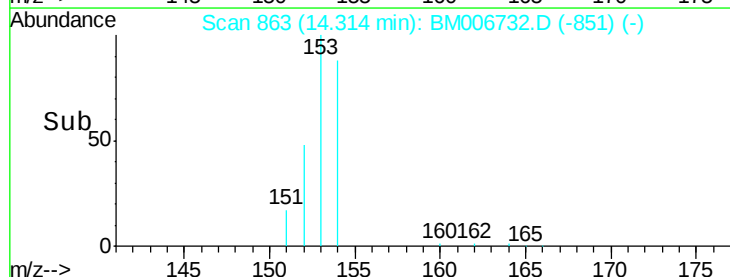
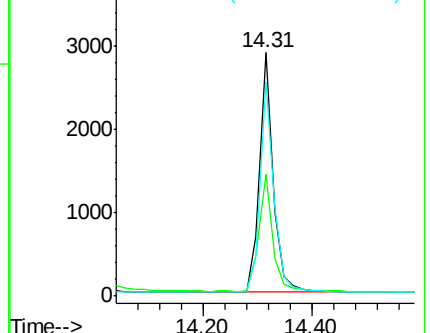
154 88.1 80.6 121.0

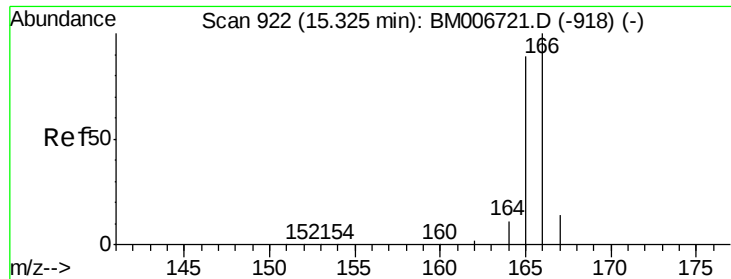


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

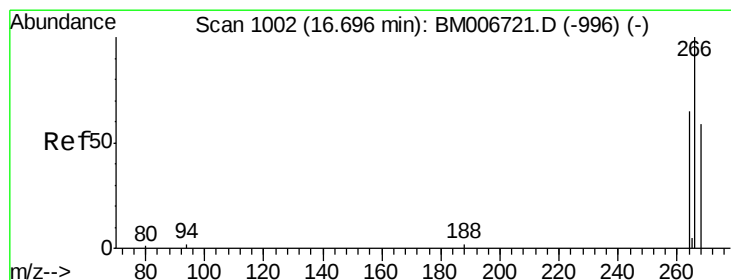
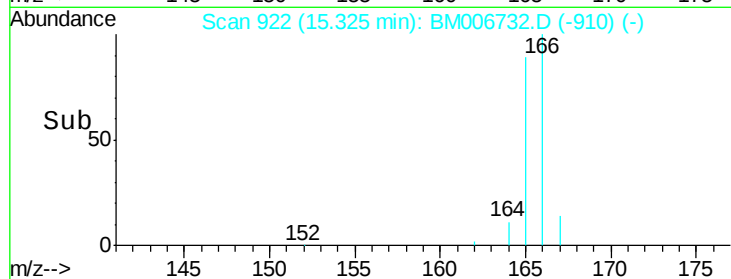
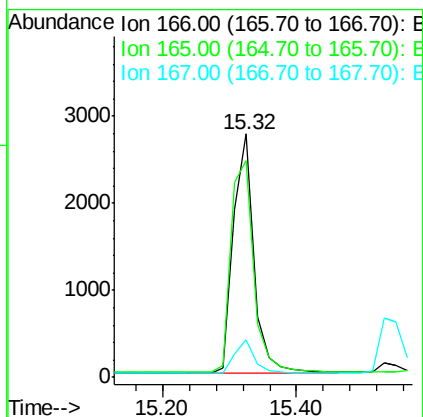
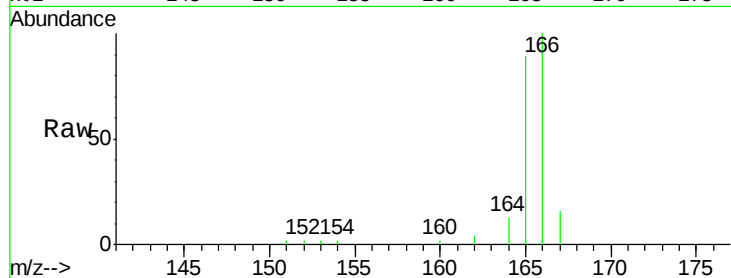




#9
Fluorene
 Concen: 0.41 ng/ul
 RT: 15.32 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: BM006732.D
 Acq: 29 Jul 2016 08:52

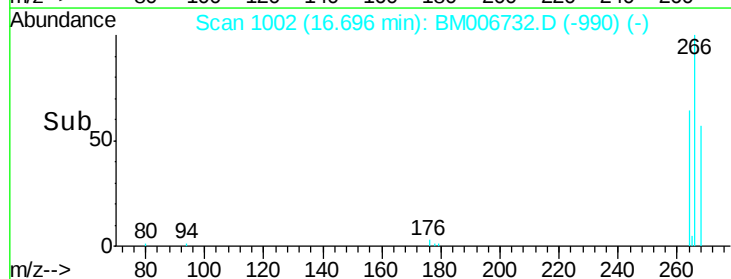
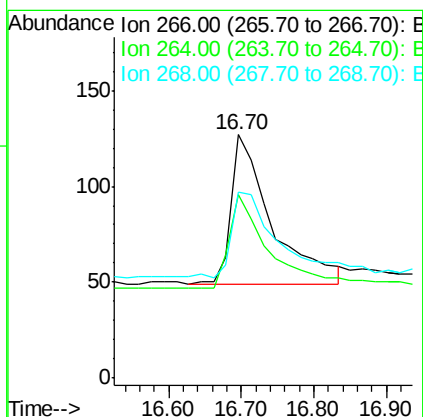
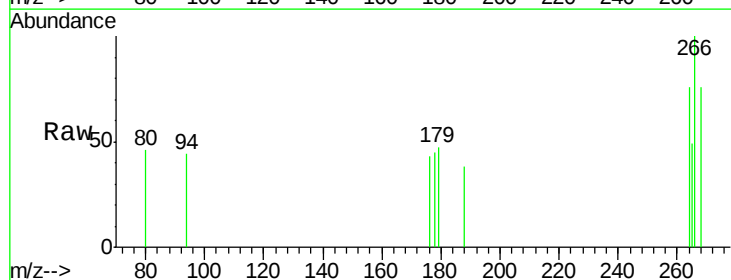
Instrument :
 BNA_M
 ClientSampleId :
 SST0.455

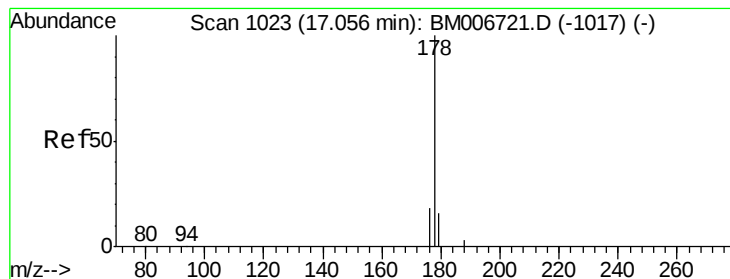
Tgt Ion:166 Resp: 5851
 Ion Ratio Lower Upper
 166 100
 165 89.2 69.6 104.4
 167 15.5 11.9 17.9



#11
Pentachlorophenol
 Concen: 0.29 ng/ul
 RT: 16.70 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: BM006732.D
 Acq: 29 Jul 2016 08:52

Tgt Ion:266 Resp: 300
 Ion Ratio Lower Upper
 266 100
 264 59.0 51.8 77.8
 268 60.7 46.8 70.2





#12

Phenanthrene

Concen: 0.42 ng/ul

RT: 17.06 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BM006732.D

Acq: 29 Jul 2016 08:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

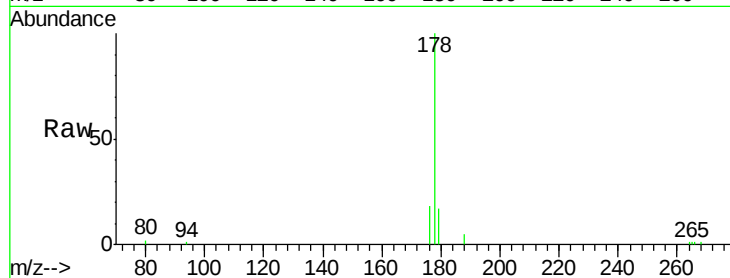
Tgt Ion:178 Resp: 9724

Ion Ratio Lower Upper

178 100

176 18.5 13.0 19.4

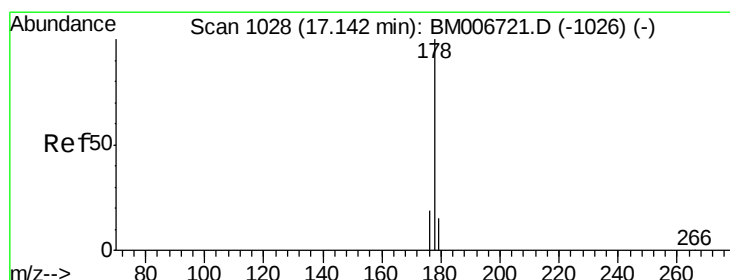
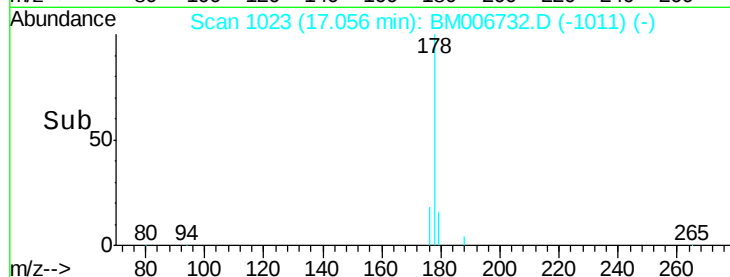
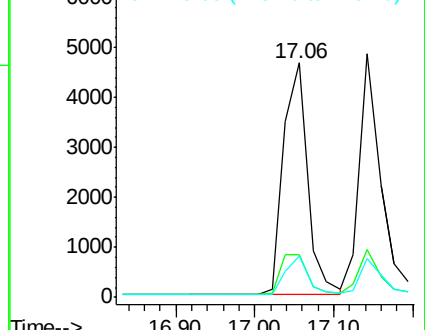
179 17.5 14.2 21.2



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: 0.41 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BM006732.D

Acq: 29 Jul 2016 08:52

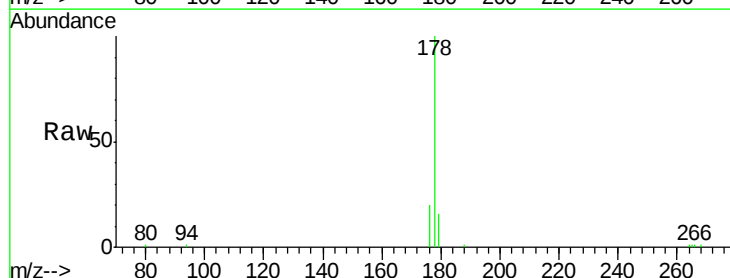
Tgt Ion:178 Resp: 9009

Ion Ratio Lower Upper

178 100

176 19.7 14.0 21.0

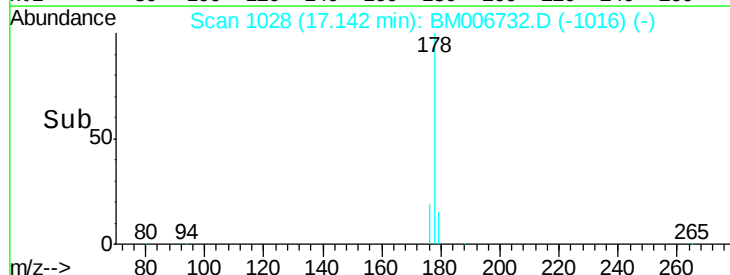
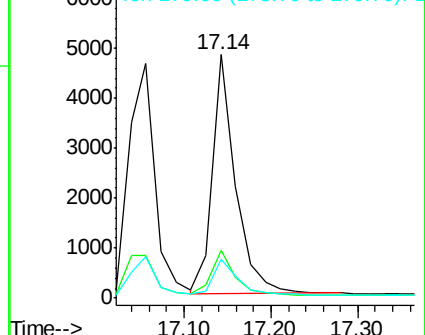
179 15.9 12.9 19.3

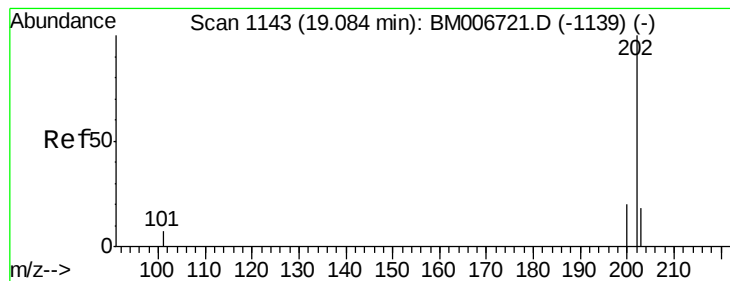


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM006732.D

Acq: 29 Jul 2016 08:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

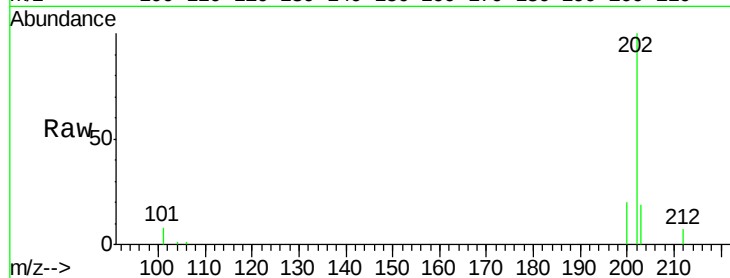
Tgt Ion:202 Resp: 12819

Ion Ratio Lower Upper

202 100

101 7.7 0.0 29.6

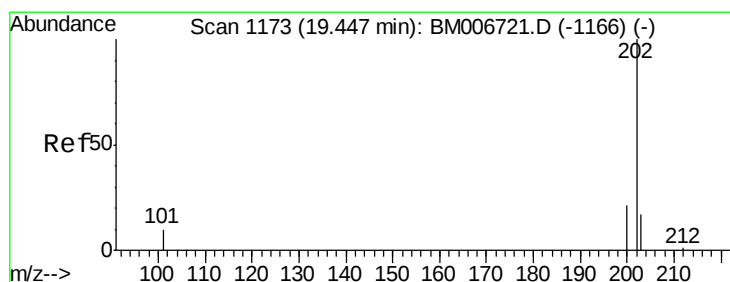
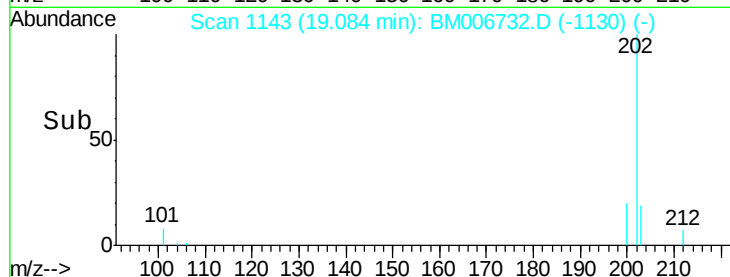
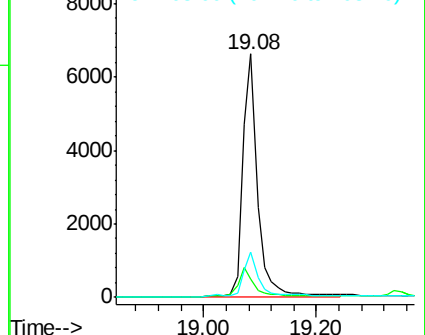
203 18.7 0.0 36.3



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: 0.49 ng/ul

RT: 19.45 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BM006732.D

Acq: 29 Jul 2016 08:52

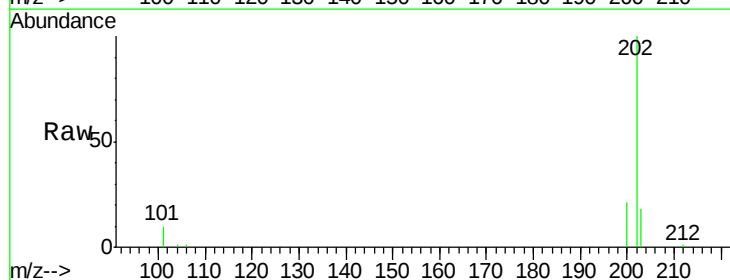
Tgt Ion:202 Resp: 12090

Ion Ratio Lower Upper

202 100

200 21.3 17.8 26.8

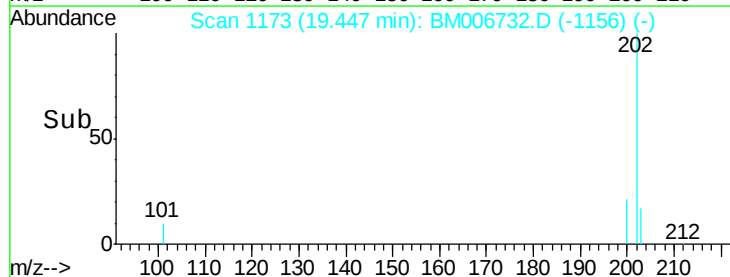
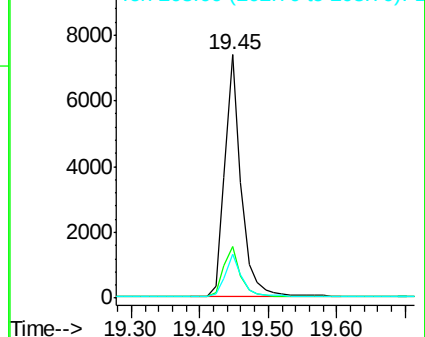
203 18.1 12.8 19.2

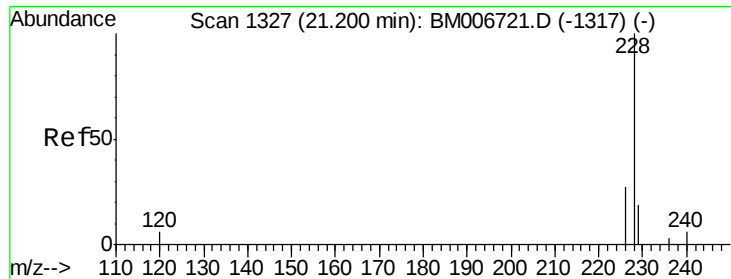


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.48 ng/ul

RT: 21.20 min Scan# 1327

Delta R.T. 0.00 min

Lab File: BM006732.D

Acq: 29 Jul 2016 08:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

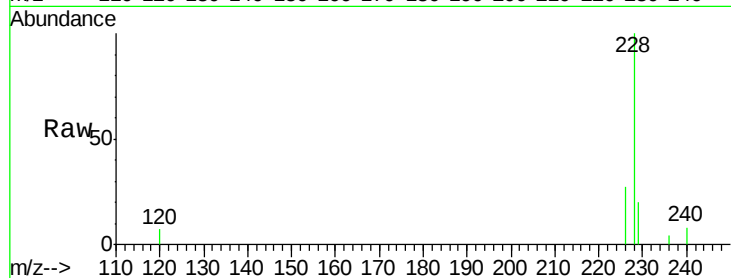
Tgt Ion:228 Resp: 10716

Ion Ratio Lower Upper

228 100

226 27.2 18.8 28.2

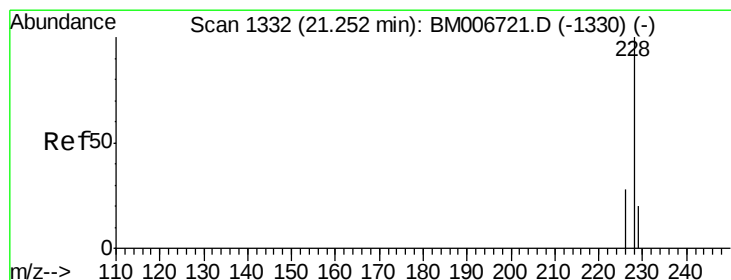
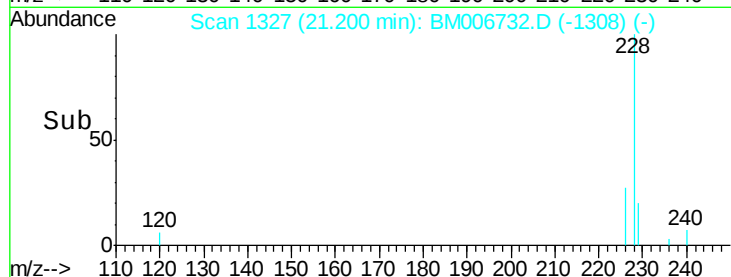
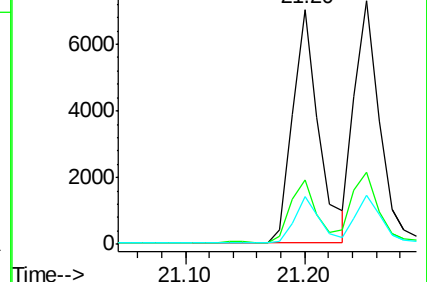
229 20.2 17.1 25.7



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: 0.48 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BM006732.D

Acq: 29 Jul 2016 08:52

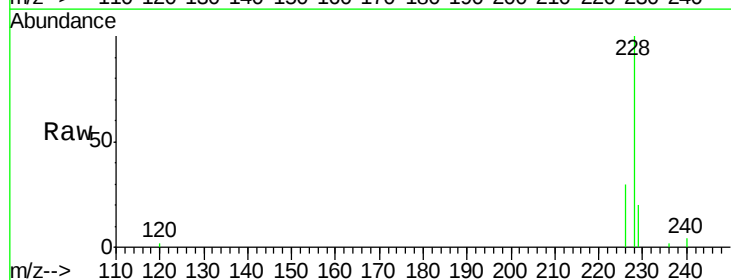
Tgt Ion:228 Resp: 10736

Ion Ratio Lower Upper

228 100

226 29.8 21.2 31.8

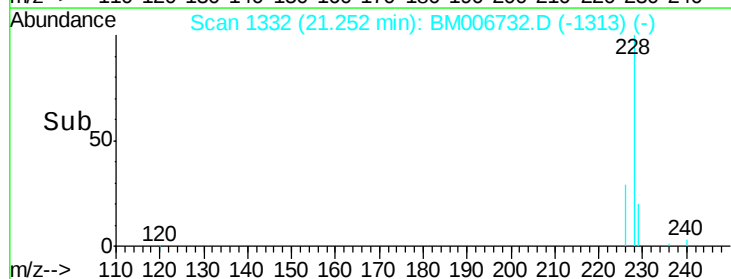
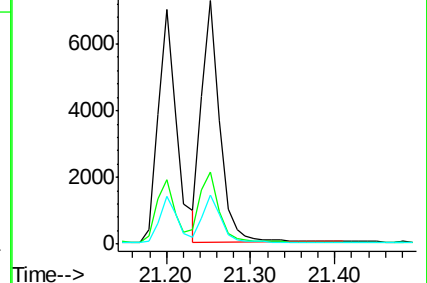
229 20.1 17.0 25.6

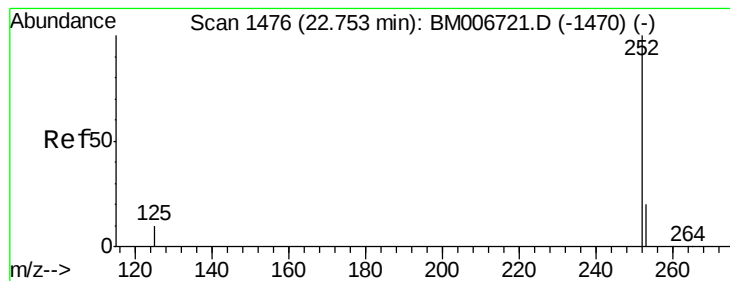


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.42 ng/u1

RT: 22.75 min Scan# 1476

Delta R.T. 0.00 min

Lab File: BM006732.D

Acq: 29 Jul 2016 08:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

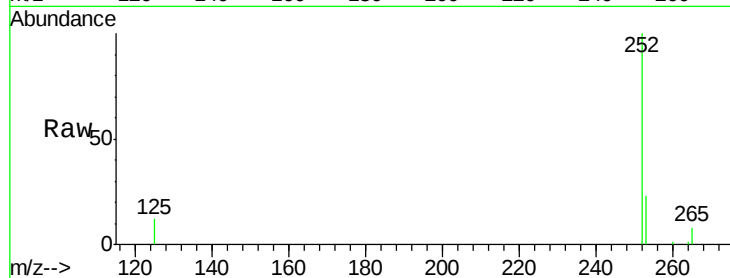
Tgt Ion:252 Resp: 11424

Ion Ratio Lower Upper

252 100

253 23.0 0.0 45.4

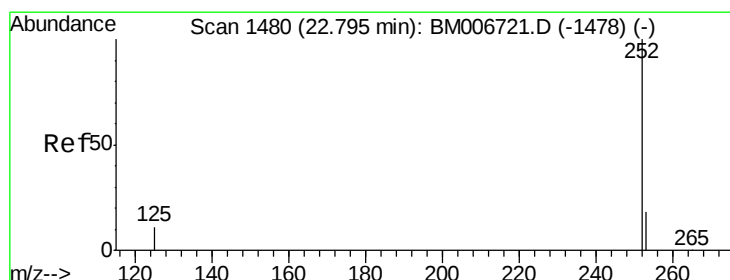
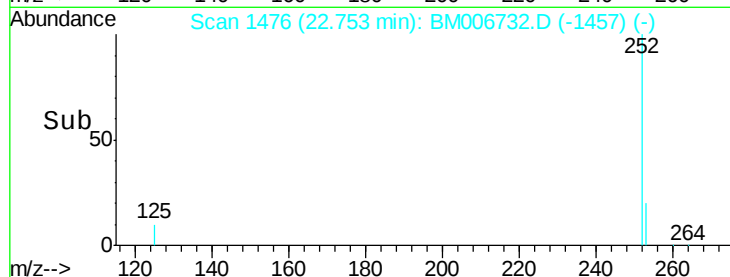
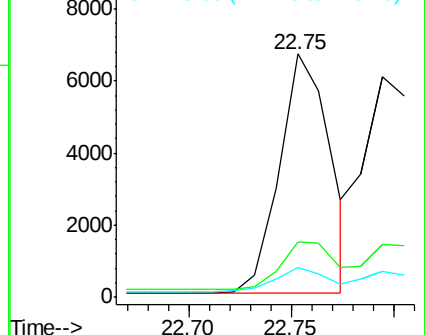
125 12.0 0.0 28.8



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: 0.47 ng/u1

RT: 22.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BM006732.D

Acq: 29 Jul 2016 08:52

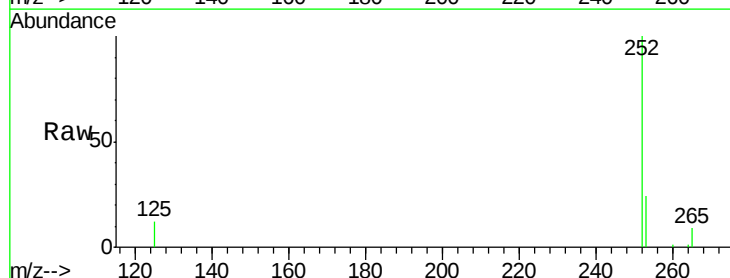
Tgt Ion:252 Resp: 12118

Ion Ratio Lower Upper

252 100

253 23.7 19.8 29.8

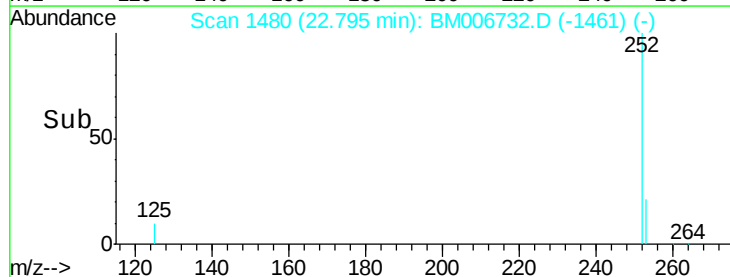
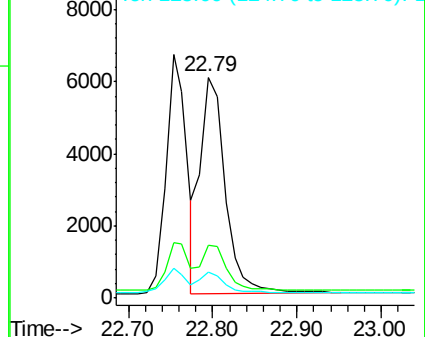
125 11.9 10.4 15.6

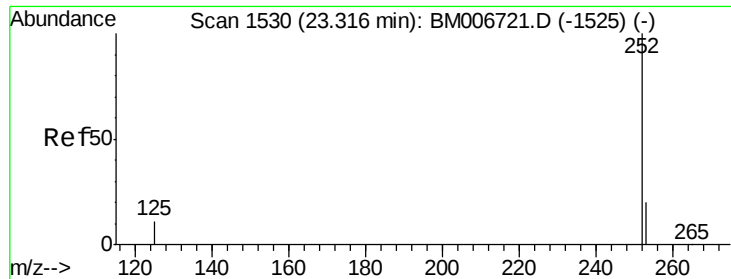


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.45 ng/ul

RT: 23.33 min Scan# 1531

Delta R.T. 0.01 min

Lab File: BM006732.D

Acq: 29 Jul 2016 08:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

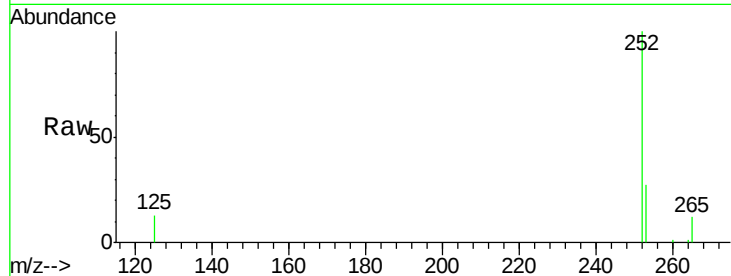
Tgt Ion:252 Resp: 11193

Ion Ratio Lower Upper

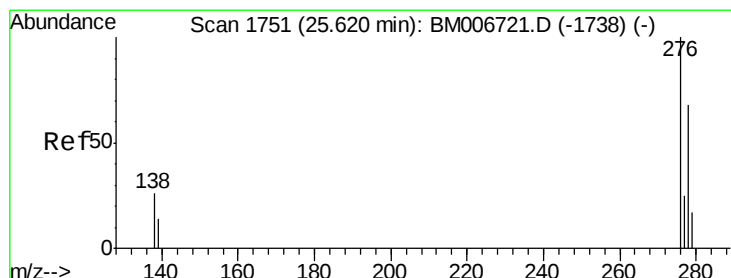
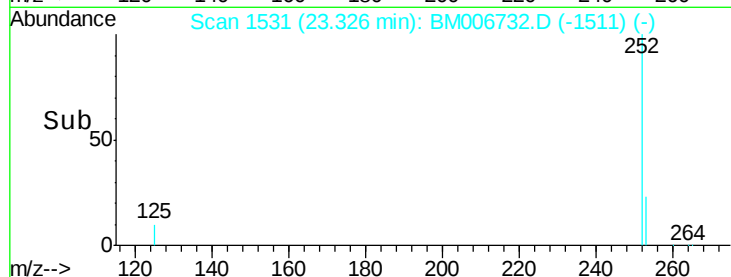
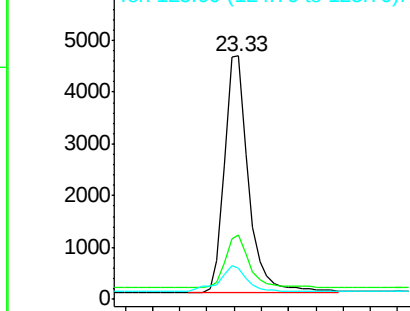
252 100

253 26.6 19.4 29.2

125 12.9 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: 0.45 ng/ul

RT: 25.62 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BM006732.D

Acq: 29 Jul 2016 08:52

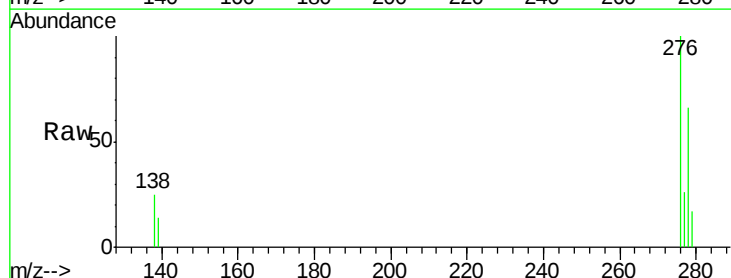
Tgt Ion:276 Resp: 14110

Ion Ratio Lower Upper

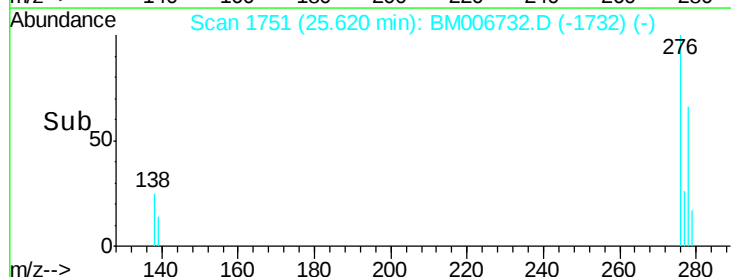
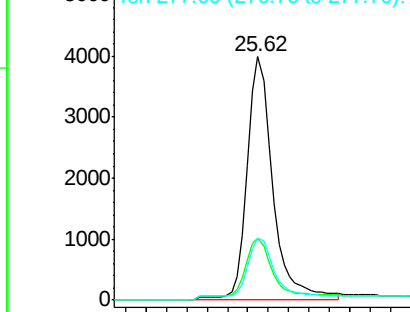
276 100

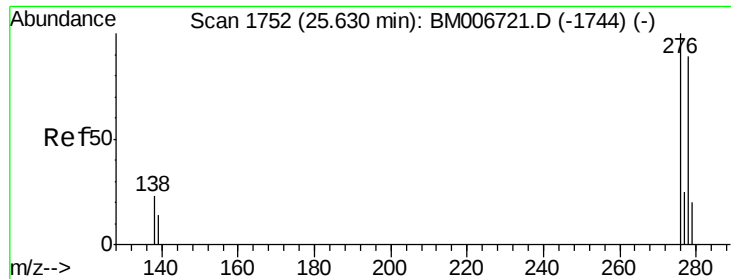
138 25.5 16.3 24.5#

277 30.7 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

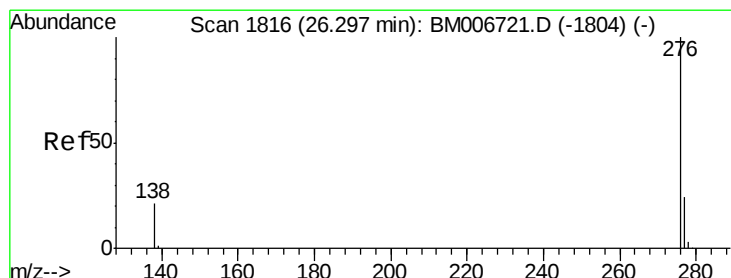
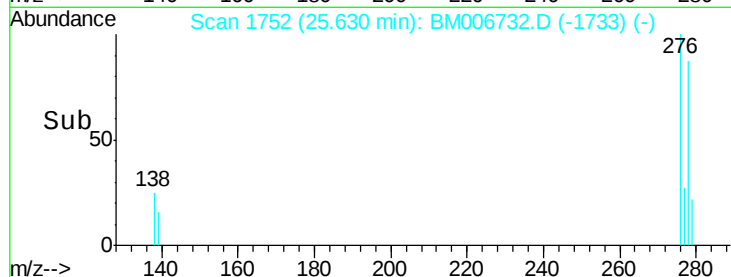
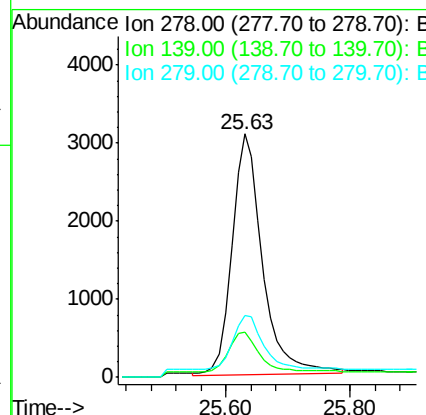
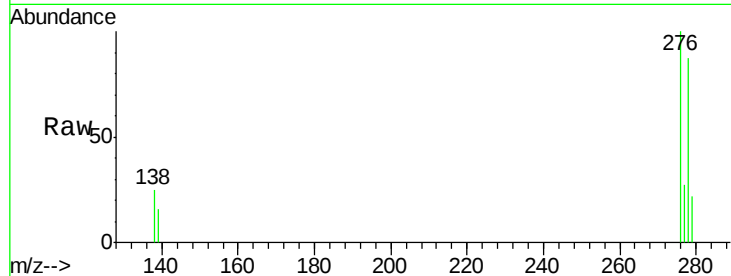




#25
Dibenzo(a,h)anthracene
Concen: 0.45 ng/ul
RT: 25.63 min Scan# 1752
Delta R.T. 0.00 min
Lab File: BM006732.D
Acq: 29 Jul 2016 08:52

Instrument :
BNA_M
ClientSampleId :
SSTD0.455

Tgt Ion: 278 Resp: 10577
Ion Ratio Lower Upper
278 100
139 18.5 16.4 24.6
279 25.6 20.2 30.2



#26
Benzo(g,h,i)perylene
Concen: 0.46 ng/ul
RT: 26.30 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BM006732.D
Acq: 29 Jul 2016 08:52

Tgt Ion: 276 Resp: 11588
Ion Ratio Lower Upper
276 100
277 25.3 18.9 28.3
138 22.7 22.5 33.7

