

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102516\
 Data File : BM007728.D
 Acq On : 24 Oct 2016 21:48
 Operator : UM/SJ
 Sample : SSTD1.659
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.659

Quant Time: Oct 25 01:47:03 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 25 01:45:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	1038	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.54	136	3336	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.38	164	1514	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.12	188	3225	0.40	ng/ul	-0.02
16) Chrysene-d12	21.32	240	3170	0.40	ng/ul	0.00
20) Perylene-d12	23.58	264	2945	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.13	152	6346	1.62	ng/ul	-0.02
14) Fluoranthene-d10	19.16	212	12203	1.60	ng/ul	-0.02

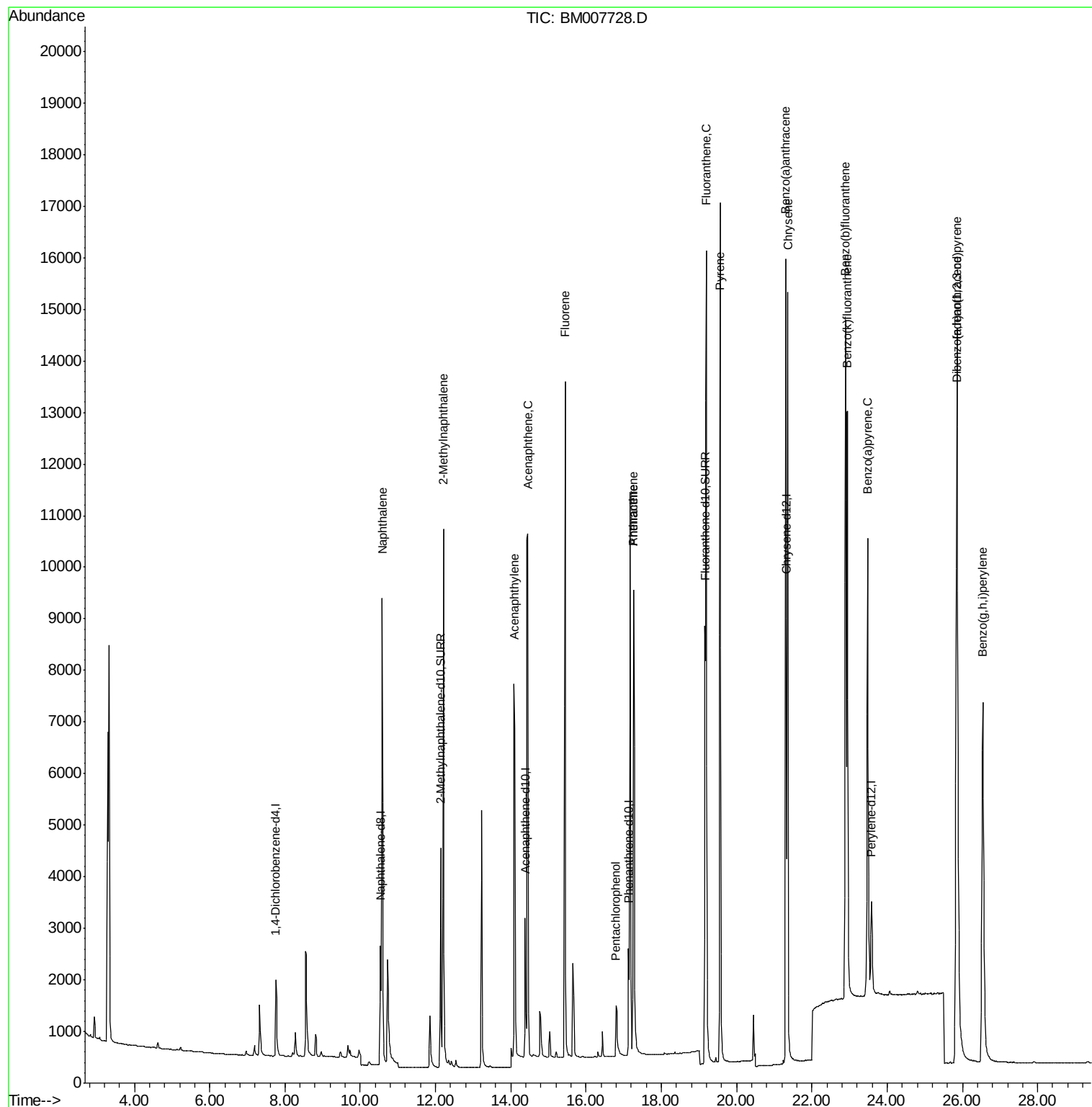
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.58	128	13431	1.68	ng/ul	94
5) 2-Methylnaphthalene	12.21	142	8798	1.65	ng/ul	99
7) Acenaphthylene	14.09	152	11717	1.76	ng/ul#	94
8) Acenaphthene	14.45	153	8715	1.69	ng/ul	90
9) Fluorene	15.44	166	9992	1.63	ng/ul	97
11) Pentachlorophenol	16.80	266	1278	1.49	ng/ul	97
12) Phenanthrene	17.26	178	12991	1.46	ng/ul	95
13) Anthracene	17.26	178	13836	1.73	ng/ul	94
15) Fluoranthene	19.20	202	17974	1.62	ng/ul	95
17) Pyrene	19.56	202	18186	1.69	ng/ul	96
18) Benzo(a)anthracene	21.31	228	16241	1.71	ng/ul	96
19) Chrysene	21.36	228	17299	1.68	ng/ul	98
21) Benzo(b)fluoranthene	22.89	252	17924	1.76	ng/ul	85
22) Benzo(k)fluoranthene	22.93	252	18398	1.81	ng/ul#	87
23) Benzo(a)pyrene	23.48	252	16682	1.78	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	25.84	276	20888	2.06	ng/ul	100
25) Dibenzo(a,h)anthracene	25.86	278	16955	2.16	ng/ul#	88
26) Benzo(g,h,i)perylene	26.54	276	18224	2.00	ng/ul	93

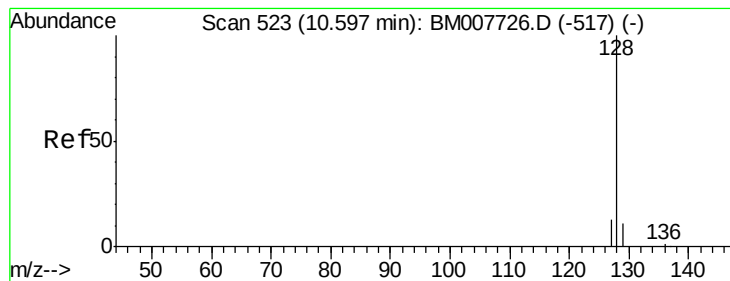
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.68 ng/ul

RT: 10.58 min Scan# 522

Delta R.T. -0.01 min

Lab File: BM007728.D

Acq: 24 Oct 2016 21:48

Instrument :

BNA_M

ClientSampleId :

SSTD1.659

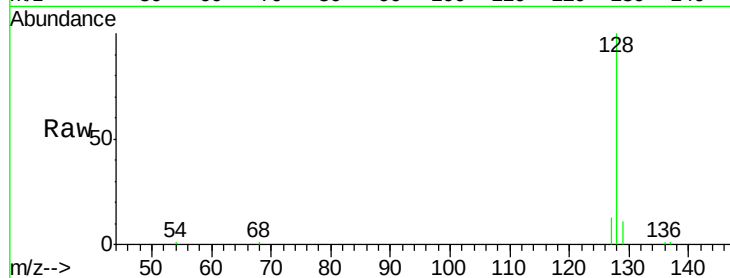
Tgt Ion:128 Resp: 13431

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9

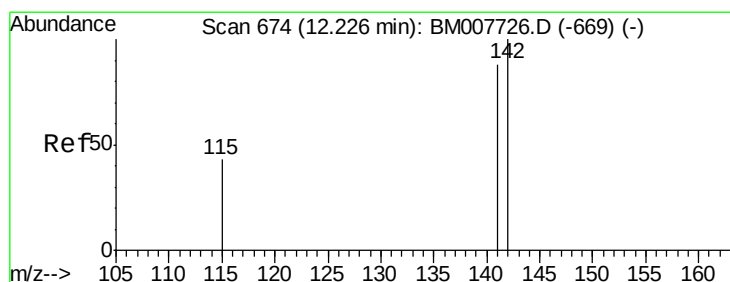
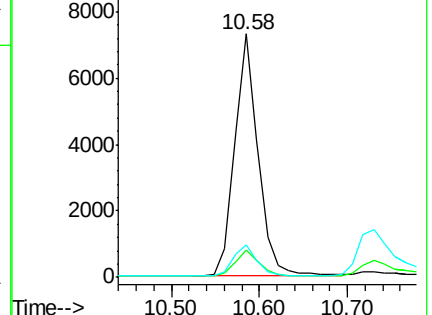
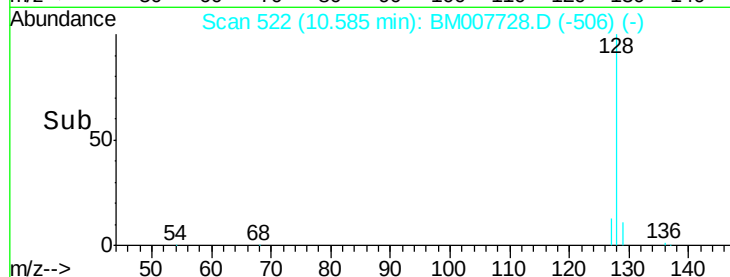
127 13.4 12.8 19.2



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: 1.65 ng/ul

RT: 12.21 min Scan# 672

Delta R.T. -0.02 min

Lab File: BM007728.D

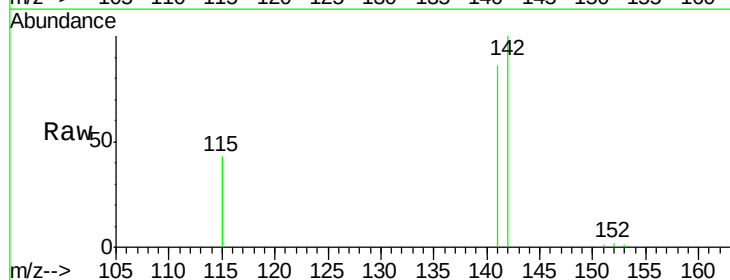
Acq: 24 Oct 2016 21:48

Tgt Ion:142 Resp: 8798

Ion Ratio Lower Upper

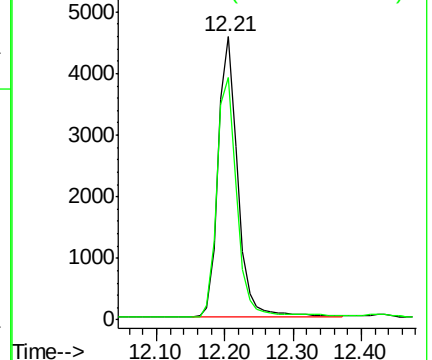
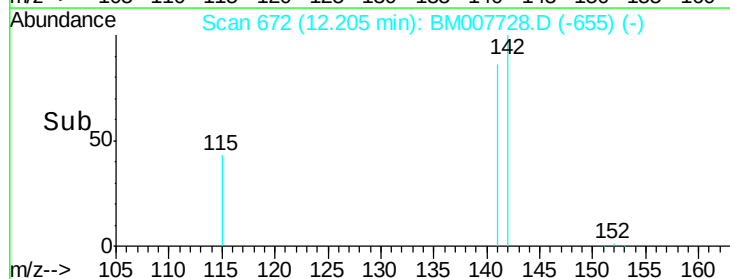
142 100

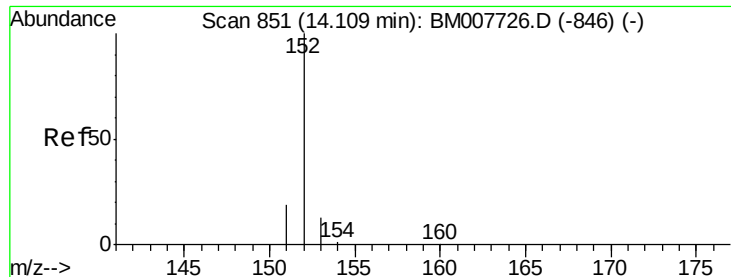
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.76 ng/ul

RT: 14.09 min Scan# 850

Delta R.T. -0.02 min

Lab File: BM007728.D

Acq: 24 Oct 2016 21:48

Instrument :

BNA_M

ClientSampleId :

SSTD1.659

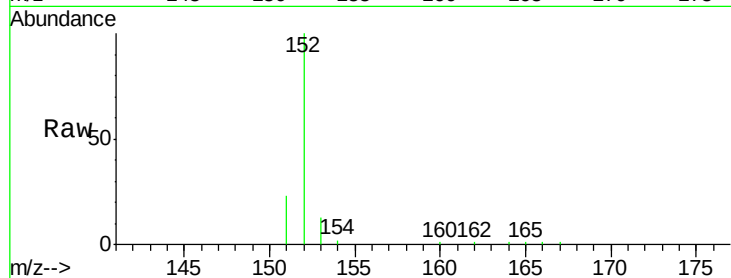
Tgt Ion:152 Resp: 11717

Ion Ratio Lower Upper

152 100

151 23.2 17.1 25.7

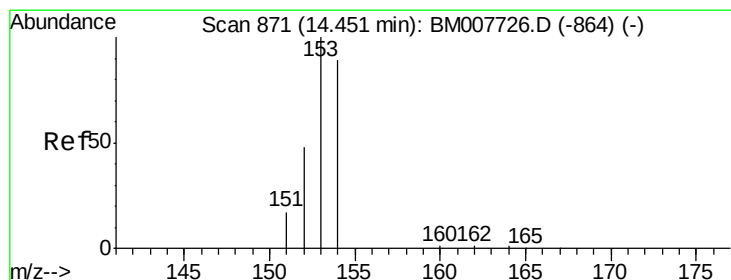
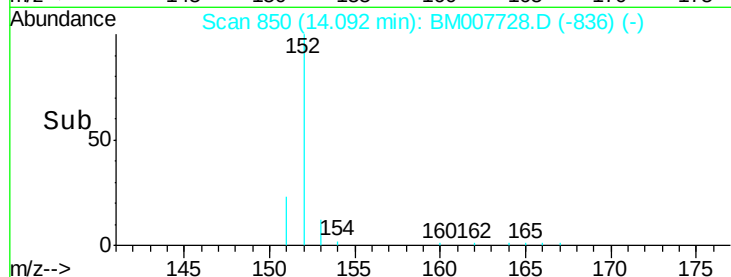
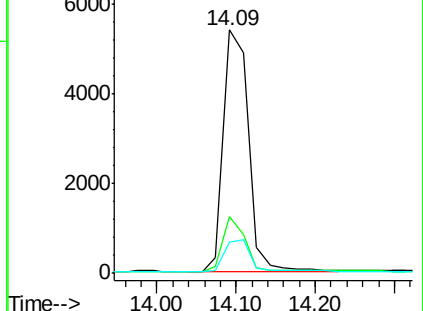
153 12.5 12.8 19.2#



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: 1.69 ng/ul

RT: 14.45 min Scan# 871

Delta R.T. 0.00 min

Lab File: BM007728.D

Acq: 24 Oct 2016 21:48

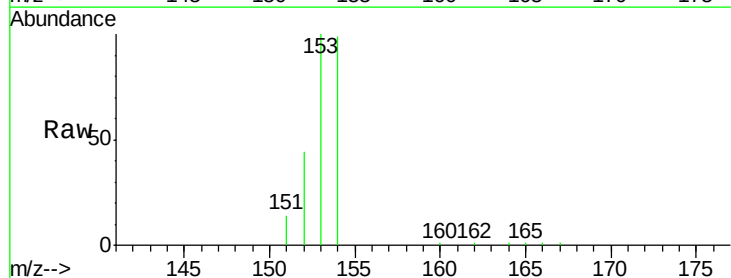
Tgt Ion:153 Resp: 8715

Ion Ratio Lower Upper

153 100

152 43.7 40.3 60.5

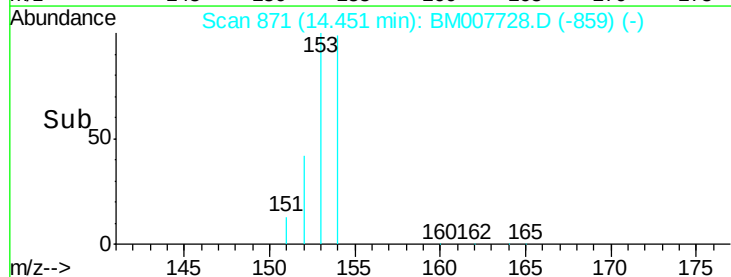
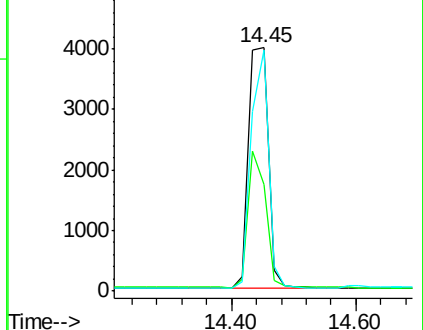
154 99.1 71.4 107.2

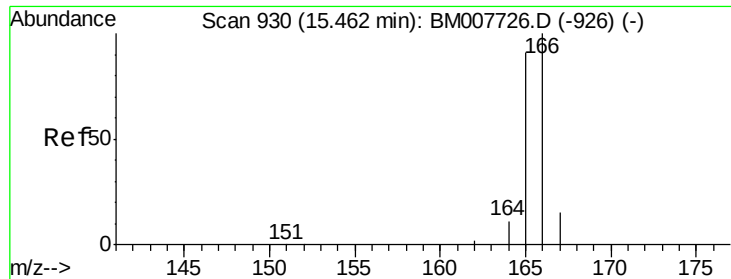


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

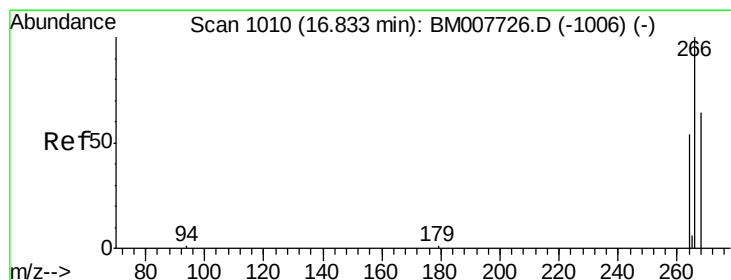
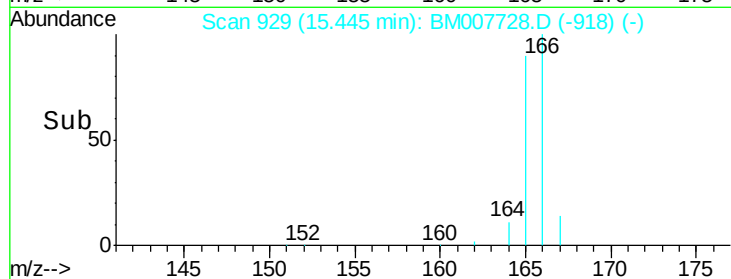
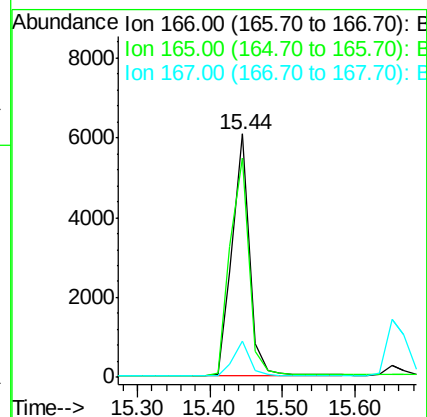
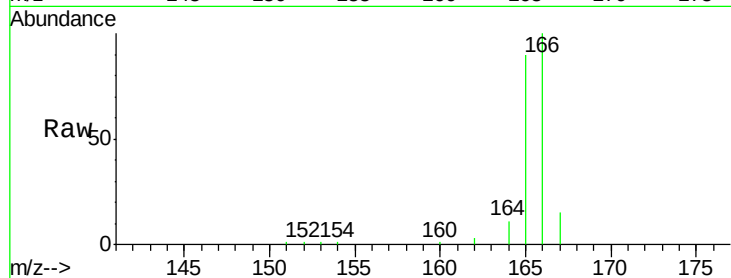




#9
Fluorene
 Concen: 1.63 ng/ul
 RT: 15.44 min Scan# 929
 Delta R.T. -0.02 min
 Lab File: BM007728.D
 Acq: 24 Oct 2016 21:48

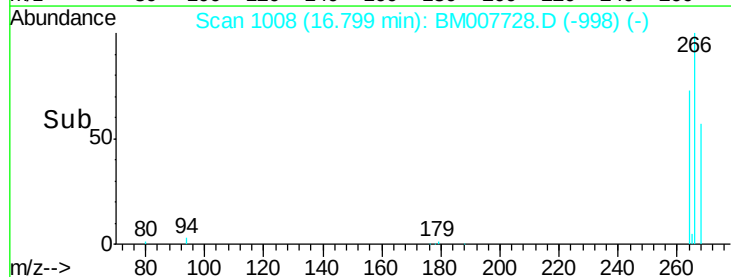
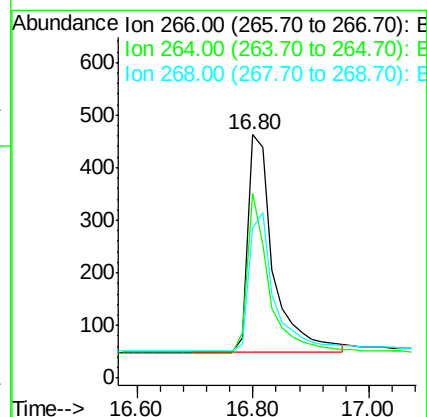
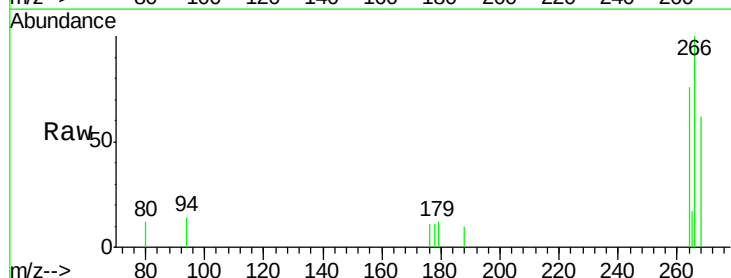
Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.659

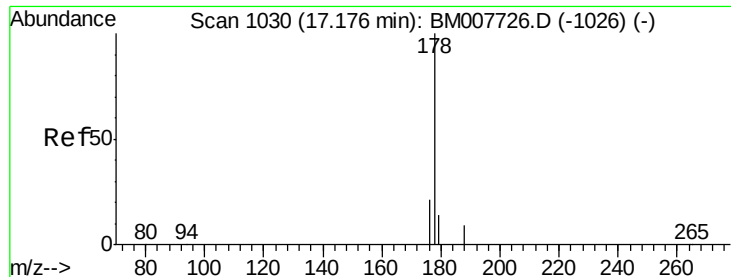
Tgt Ion:166 Resp: 9992
 Ion Ratio Lower Upper
 166 100
 165 89.9 73.4 110.2
 167 14.7 14.6 22.0



#11
Pentachlorophenol
 Concen: 1.49 ng/ul
 RT: 16.80 min Scan# 1008
 Delta R.T. -0.03 min
 Lab File: BM007728.D
 Acq: 24 Oct 2016 21:48

Tgt Ion:266 Resp: 1278
 Ion Ratio Lower Upper
 266 100
 264 63.1 47.9 71.9
 268 63.2 49.8 74.8





#12

Phenanthrene

Concen: 1.46 ng/ul

RT: 17.26 min Scan# 1035

Delta R.T. 0.09 min

Lab File: BM007728.D

Acq: 24 Oct 2016 21:48

Instrument :

BNA_M

ClientSampleId :

SSTD1.659

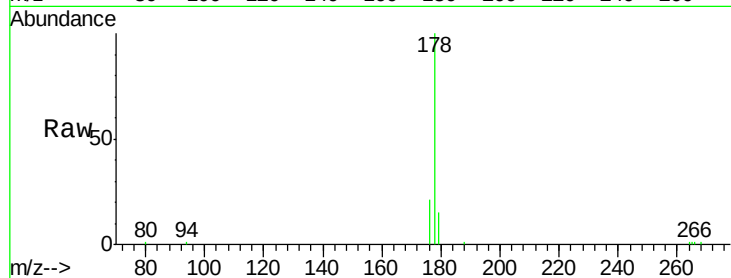
Tgt Ion:178 Resp: 12991

Ion Ratio Lower Upper

178 100

176 20.6 18.4 27.6

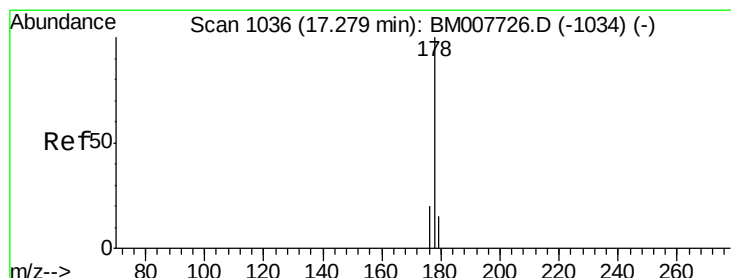
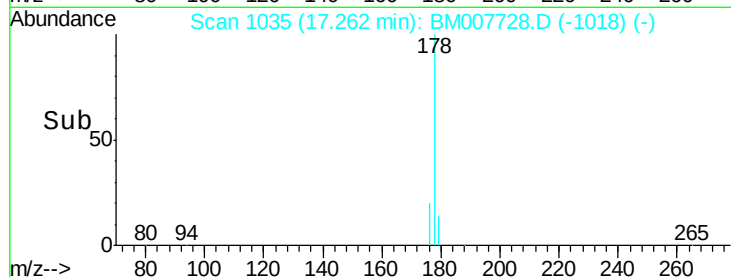
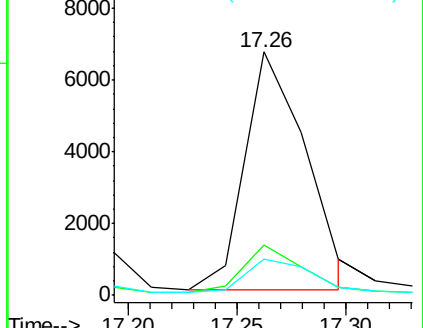
179 14.7 13.6 20.4



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: 1.73 ng/ul

RT: 17.26 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BM007728.D

Acq: 24 Oct 2016 21:48

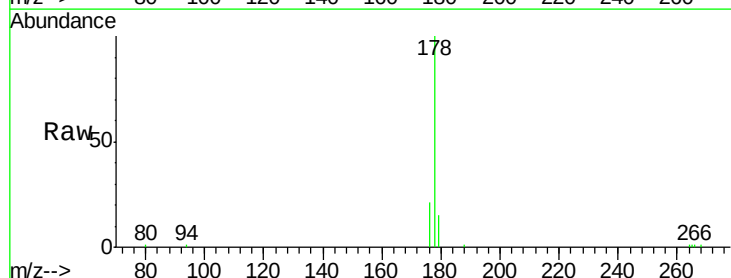
Tgt Ion:178 Resp: 13836

Ion Ratio Lower Upper

178 100

176 20.6 18.1 27.1

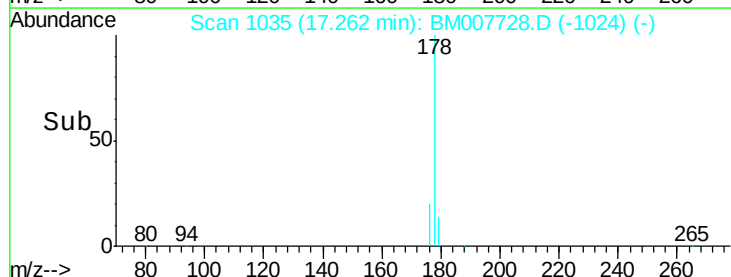
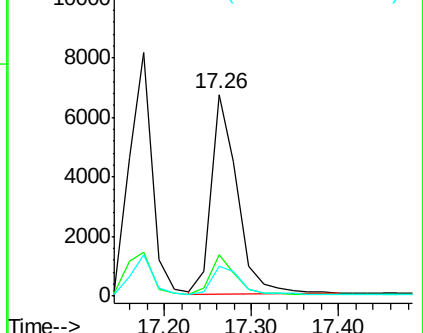
179 14.7 14.7 22.1

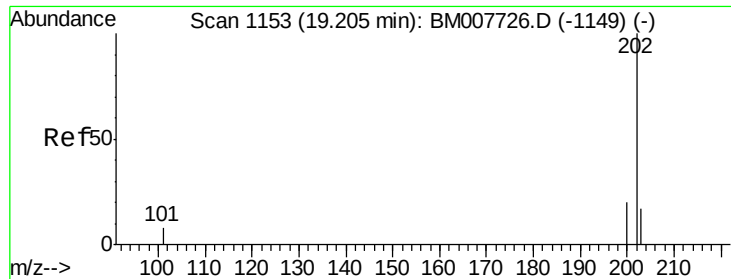


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 1.62 ng/ul

RT: 19.20 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BM007728.D

Acq: 24 Oct 2016 21:48

Instrument :

BNA_M

ClientSampleId :

SSTD1.659

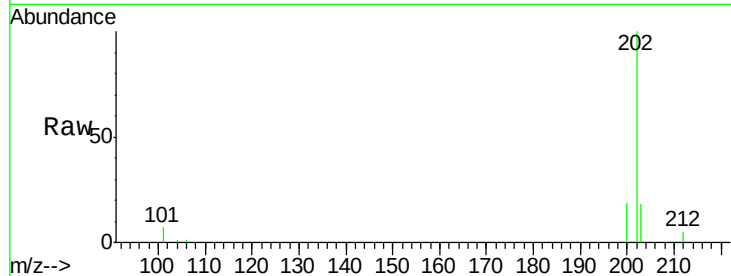
Tgt Ion:202 Resp: 17974

Ion Ratio Lower Upper

202 100

101 7.0 0.0 30.3

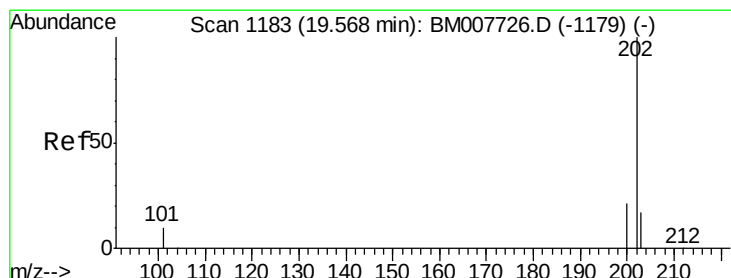
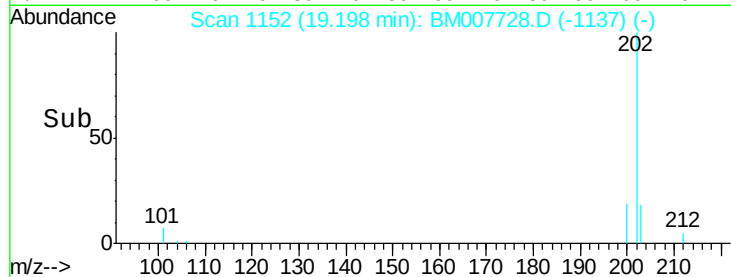
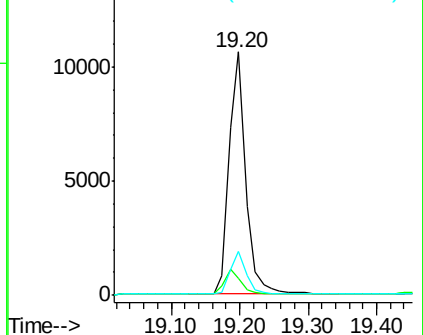
203 18.2 0.0 39.5



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: 1.69 ng/ul

RT: 19.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BM007728.D

Acq: 24 Oct 2016 21:48

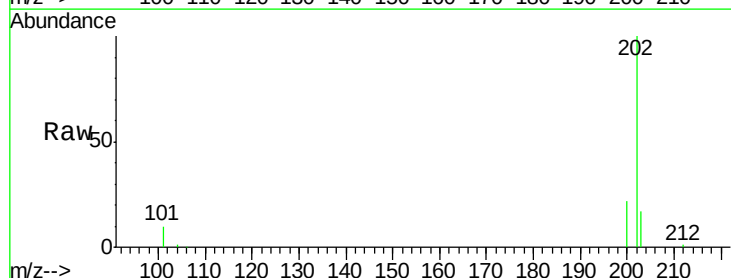
Tgt Ion:202 Resp: 18186

Ion Ratio Lower Upper

202 100

200 21.5 18.2 27.4

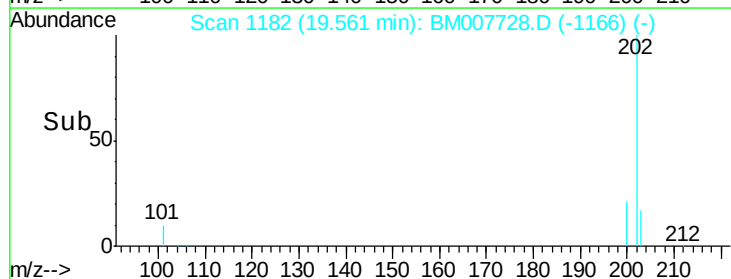
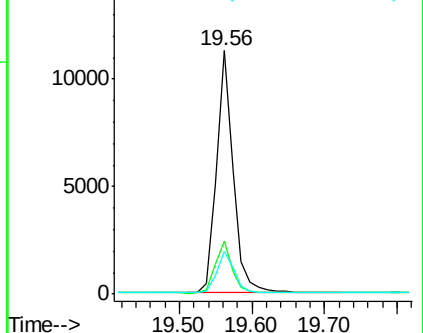
203 17.4 15.6 23.4

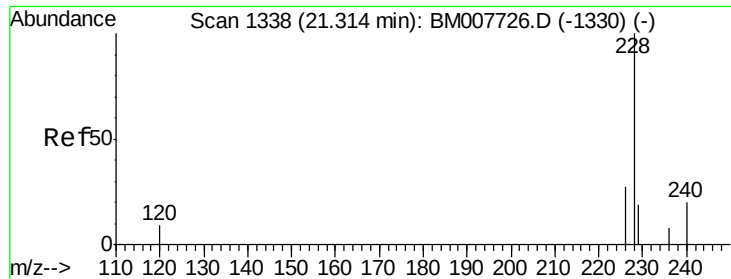


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 1.71 ng/ul

RT: 21.31 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM007728.D

Acq: 24 Oct 2016 21:48

Instrument :

BNA_M

ClientSampleId :

SSTD1.659

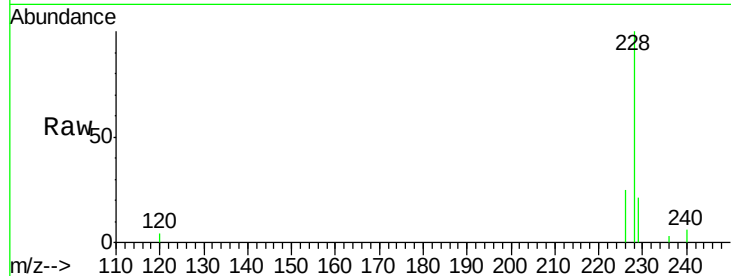
Tgt Ion:228 Resp: 16241

Ion Ratio Lower Upper

228 100

226 25.3 22.8 34.2

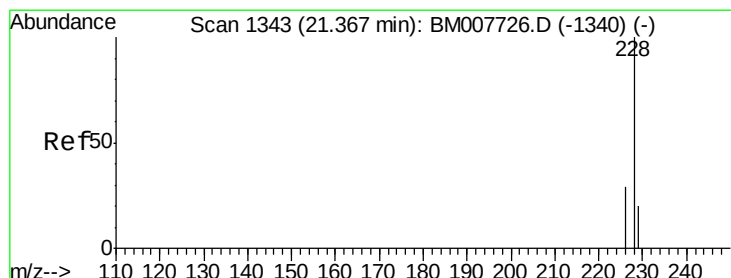
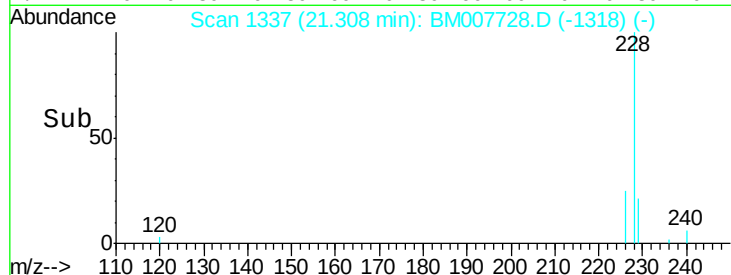
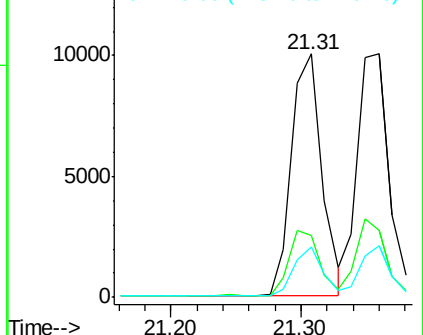
229 20.9 17.0 25.6



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



#19

Chrysene

Concen: 1.68 ng/ul

RT: 21.36 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BM007728.D

Acq: 24 Oct 2016 21:48

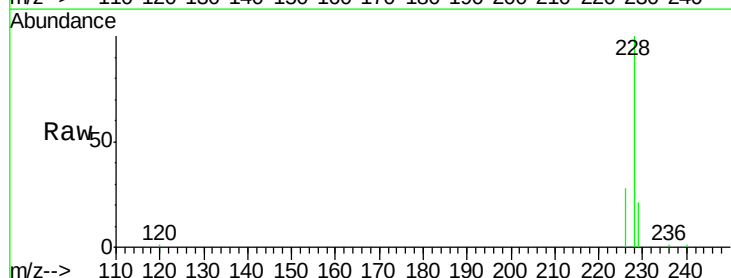
Tgt Ion:228 Resp: 17299

Ion Ratio Lower Upper

228 100

226 27.7 23.4 35.0

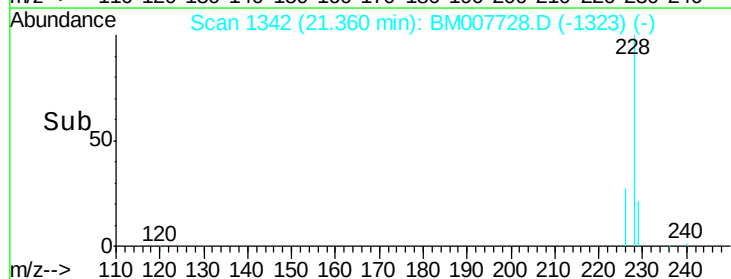
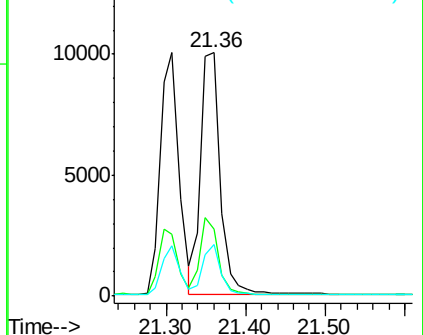
229 21.2 17.7 26.5

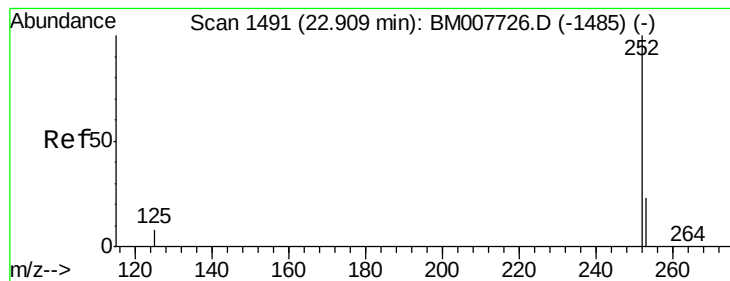


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 1.76 ng/uL

RT: 22.89 min Scan# 1489

Delta R.T. -0.02 min

Lab File: BM007728.D

Acq: 24 Oct 2016 21:48

Instrument :

BNA_M

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SSTD1.659

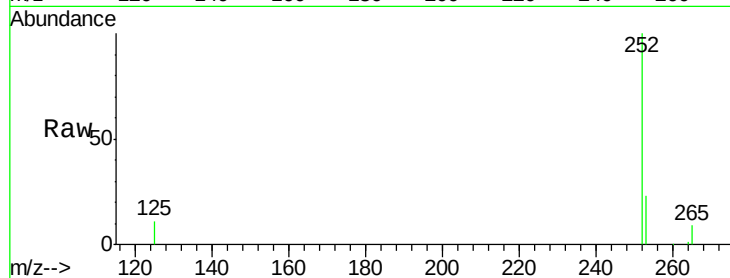
Tgt Ion:252 Resp: 17924

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

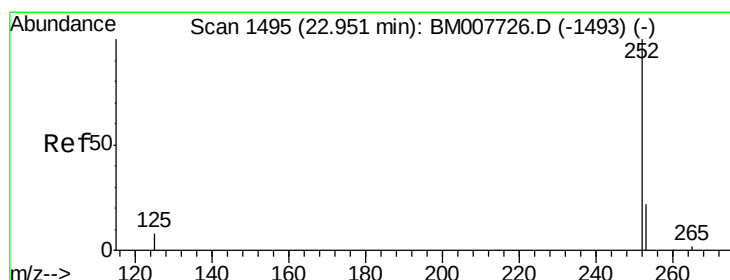
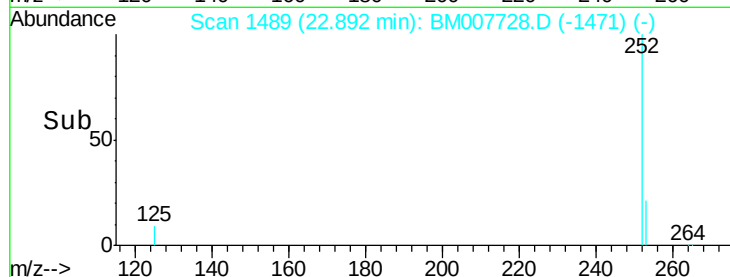
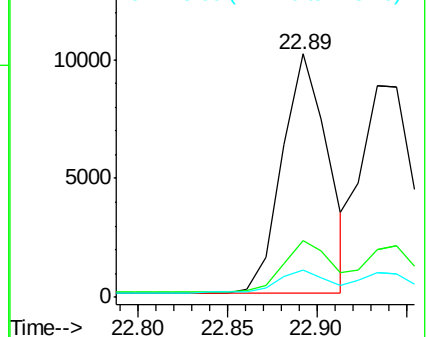
125 11.1 0.0 35.0



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: 1.81 ng/uL

RT: 22.93 min Scan# 1493

Delta R.T. -0.02 min

Lab File: BM007728.D

Acq: 24 Oct 2016 21:48

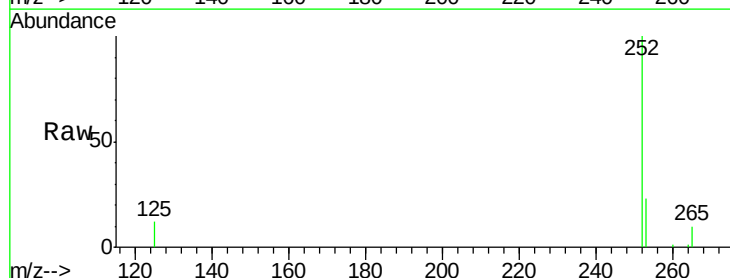
Tgt Ion:252 Resp: 18398

Ion Ratio Lower Upper

252 100

253 22.8 24.5 36.7#

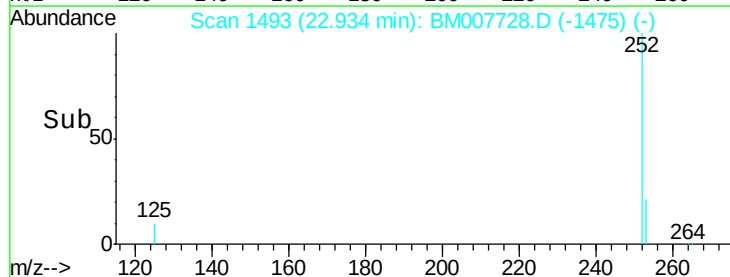
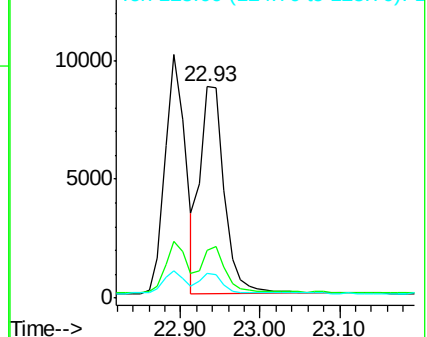
125 11.9 13.7 20.5#

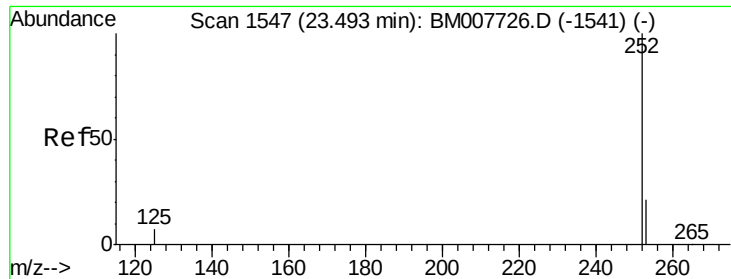


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.78 ng/ul

RT: 23.48 min Scan# 1545

Delta R.T. -0.02 min

Lab File: BM007728.D

Acq: 24 Oct 2016 21:48

Instrument :

BNA_M

ClientSampleId :

SSTD1.659

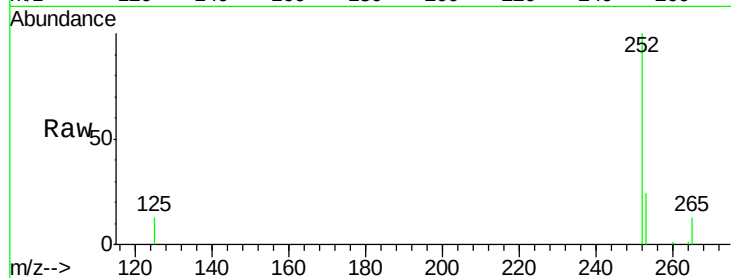
Tgt Ion:252 Resp: 16682

Ion Ratio Lower Upper

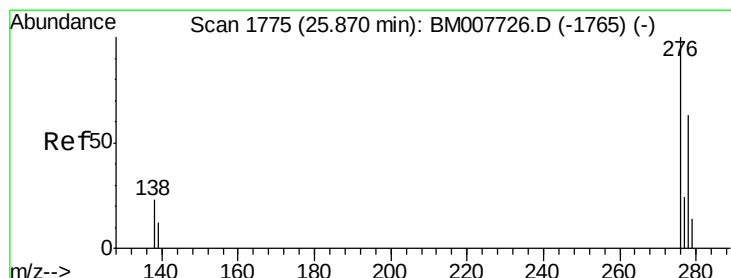
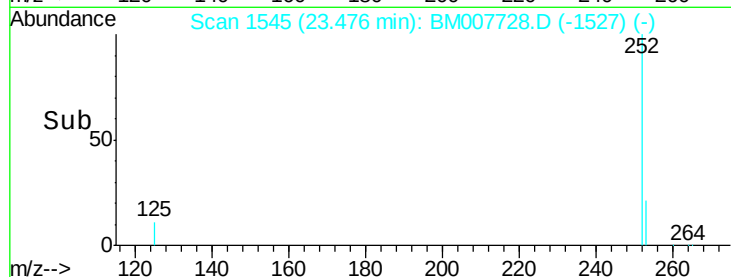
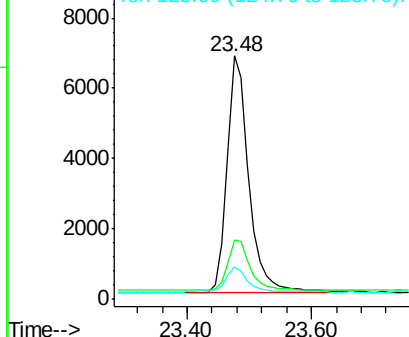
252 100

253 24.3 28.5 42.7#

125 13.3 18.1 27.1#



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: 2.06 ng/ul

RT: 25.84 min Scan# 1772

Delta R.T. -0.03 min

Lab File: BM007728.D

Acq: 24 Oct 2016 21:48

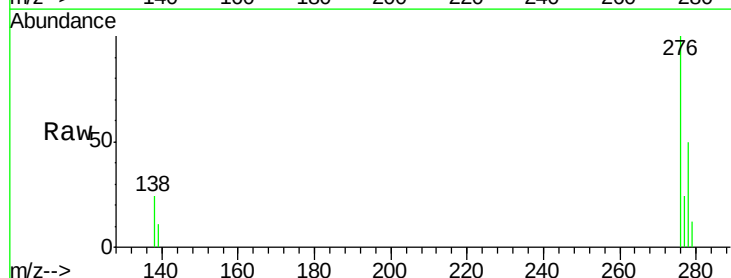
Tgt Ion:276 Resp: 20888

Ion Ratio Lower Upper

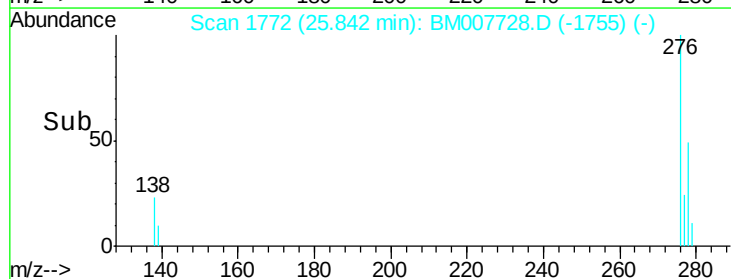
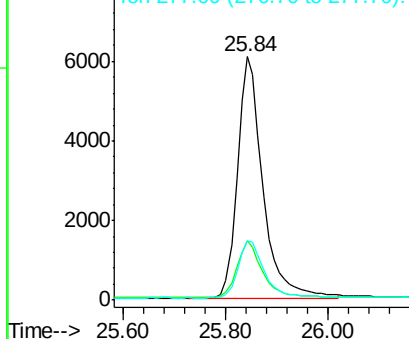
276 100

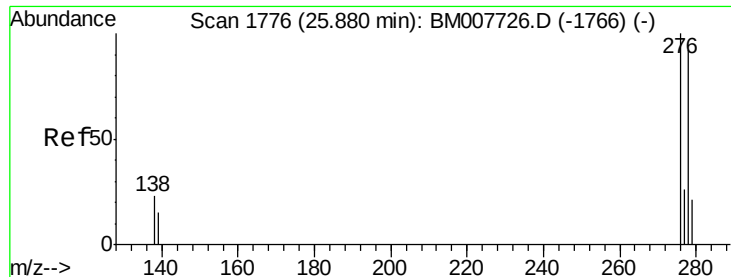
138 24.1 19.1 28.7

277 24.5 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



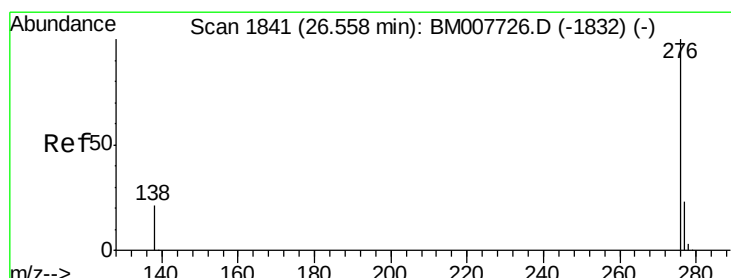
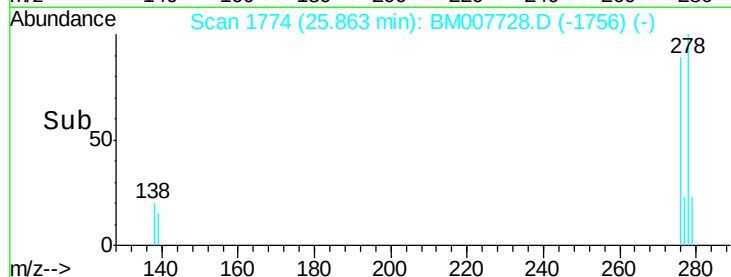
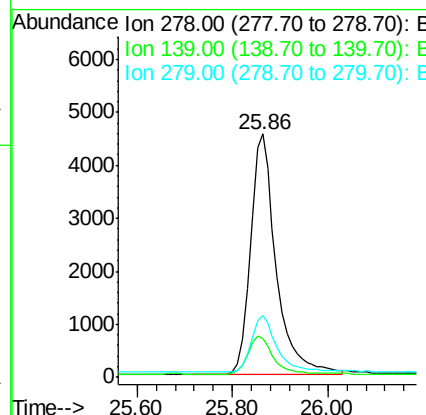
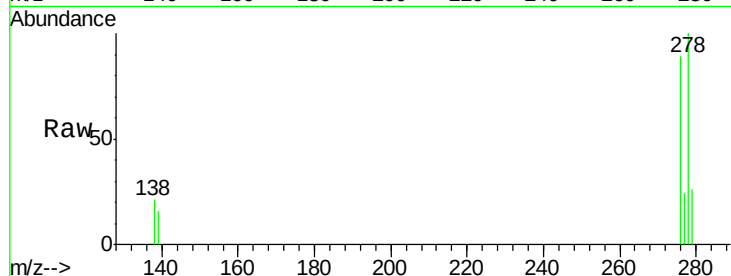


#25
Dibenzo(a,h)anthracene
Concen: 2.16 ng/ul
RT: 25.86 min Scan# 1774
Delta R.T. -0.02 min
Lab File: BM007728.D
Acq: 24 Oct 2016 21:48

Instrument :
BNA_M
ClientSampleId :
SSTD1.659

Tgt Ion: 278 Resp: 16955

Ion	Ratio	Lower	Upper
278	100		
139	16.0	17.4	26.0#
279	25.5	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 2.00 ng/ul
RT: 26.54 min Scan# 1839
Delta R.T. -0.02 min
Lab File: BM007728.D
Acq: 24 Oct 2016 21:48

Tgt Ion: 276 Resp: 18224

Ion	Ratio	Lower	Upper
276	100		
277	24.5	21.8	32.8
138	21.3	20.5	30.7

