

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006298.D
 Acq On : 07 Jul 2016 00:28
 Operator : UM/SJ
 Sample : H3811-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW0

Quant Time: Jul 07 02:22:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 02:18:44 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4690	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	18532	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10453	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	896695	0.40	ng/ul	0.10
18) Chrysene-d12	21.35	240	807	0.40	ng/ul	0.11
22) Perylene-d12	23.44	264	13636	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	7071	3.57	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	5668	0.26	ng/ul	-0.01
16) Fluoranthene-d10	19.08	212	10417	0.01	ng/ul	0.00

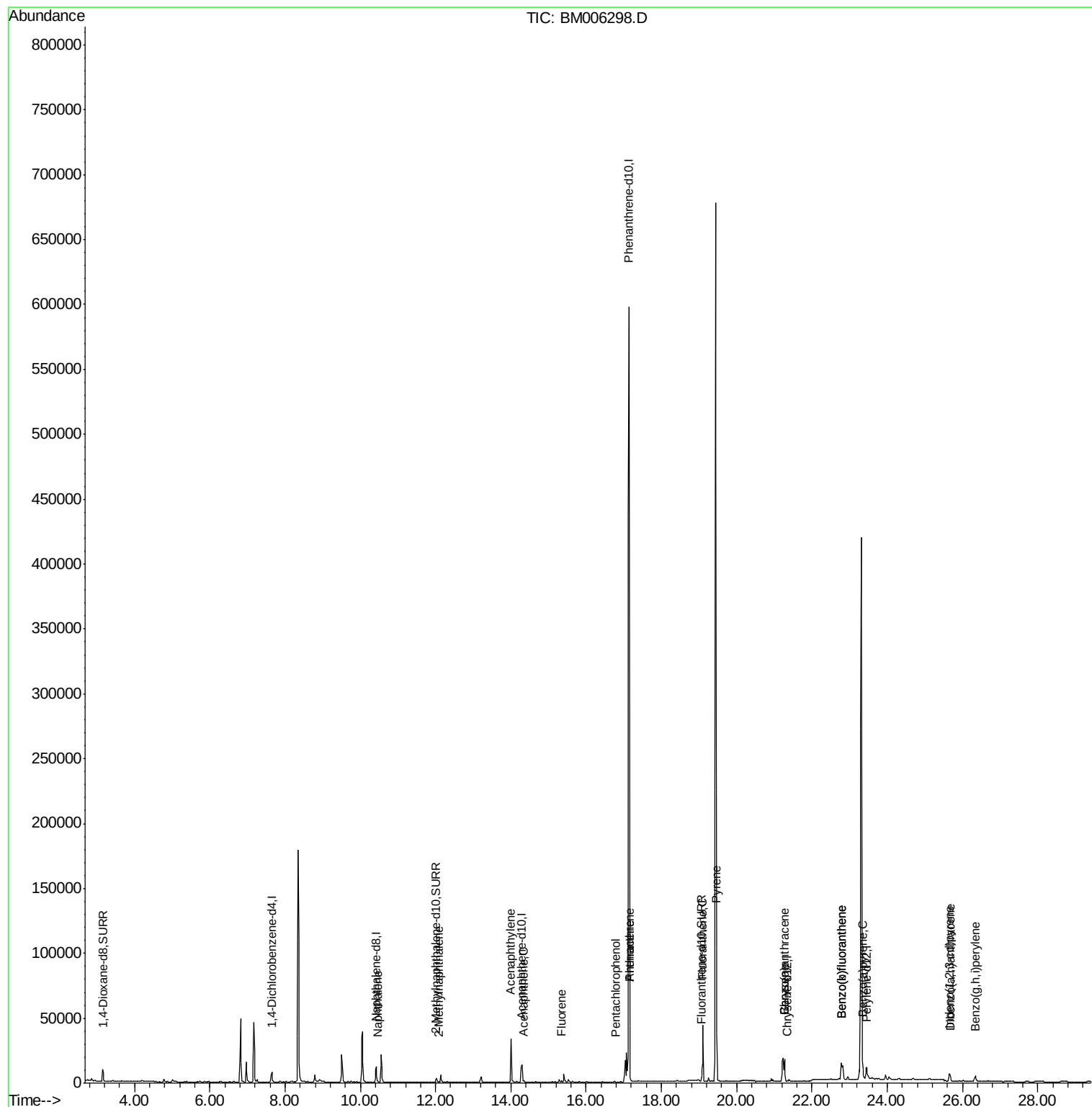
Target Compounds				Qvalue		
5) Naphthalene	10.48	128	1190	0.03	ng/ul#	77
7) 2-Methylnaphthalene	12.09	142	588	0.02	ng/ul	100
9) Acenaphthylene	14.01	152	2722	0.08	ng/ul#	94
10) Acenaphthene	14.35	153	684	0.02	ng/ul#	86
11) Fluorene	15.34	166	1111	0.03	ng/ul#	76
13) Pentachlorophenol	16.80	266	7	0.00	ng/ul#	20
14) Phenanthrene	17.16	178	3032	0.00	ng/ul#	74
15) Anthracene	17.16	178	2970	0.00	ng/ul#	74
17) Fluoranthene	19.10	202	44161	0.02	ng/ul	95
19) Pyrene	19.46	202	40527	11.99	ng/ul	96
20) Benzo(a)anthracene	21.28	228	16902	6.47	ng/ul#	93
21) Chrysene	21.28	228	16758	6.55	ng/ul	96
23) Benzo(b)fluoranthene	22.79	252	27963	0.57	ng/ul	86
24) Benzo(k)fluoranthene	22.79	252	27963	0.62	ng/ul#	88
25) Benzo(a)pyrene	23.35	252	15274	0.34	ng/ul#	91
26) Indeno(1,2,3-cd)pyrene	25.66	276	11074	0.22	ng/ul#	87
27) Dibenzo(a,h)anthracene	25.68	278	2795	0.07	ng/ul#	35
28) Benzo(g,h,i)perylene	26.34	276	9865	0.23	ng/ul	97

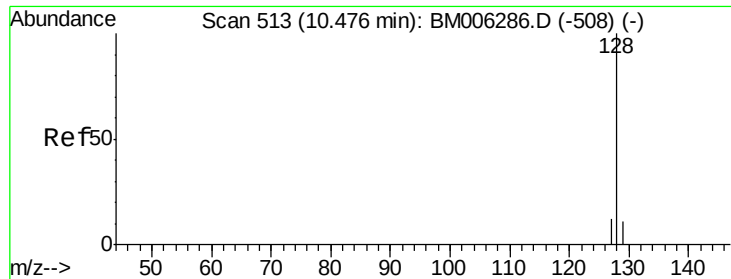
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.00 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

Instrument :

BNA_M

ClientSampleId :

A4TW0

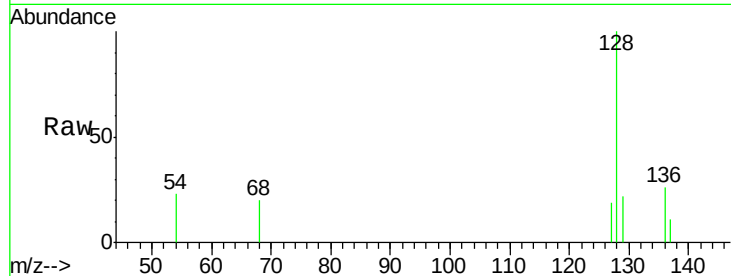
Tgt Ion:128 Resp: 1190

Ion Ratio Lower Upper

128 100

129 22.2 9.0 13.6#

127 19.0 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

10.48

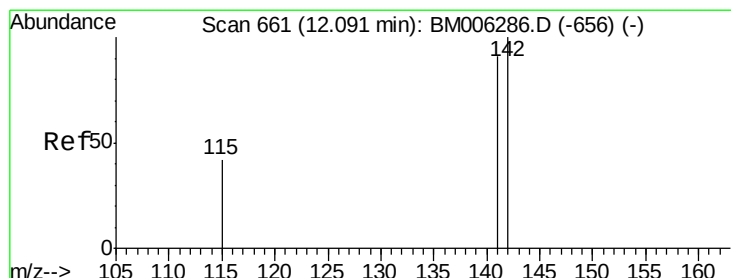
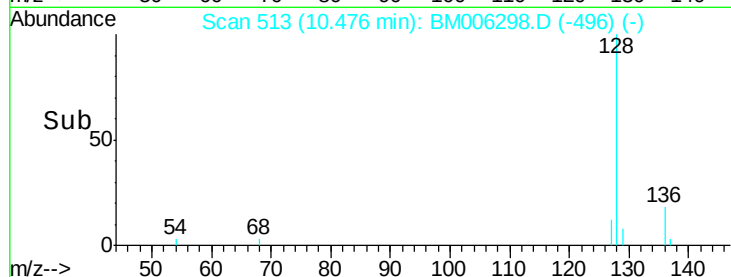
600

400

200

0

Time-->



#7

2-Methylnaphthalene

Concen: 0.02 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM006298.D

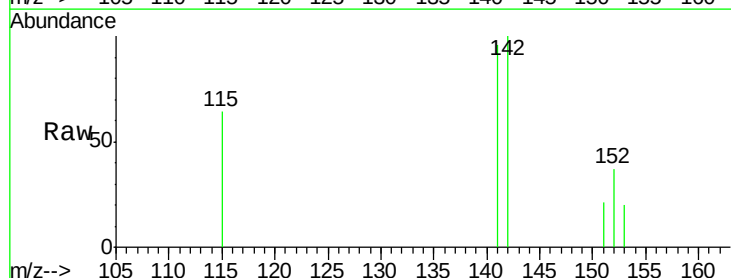
Acq: 07 Jul 2016 00:28

Tgt Ion:142 Resp: 588

Ion Ratio Lower Upper

142 100

141 88.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.09

400

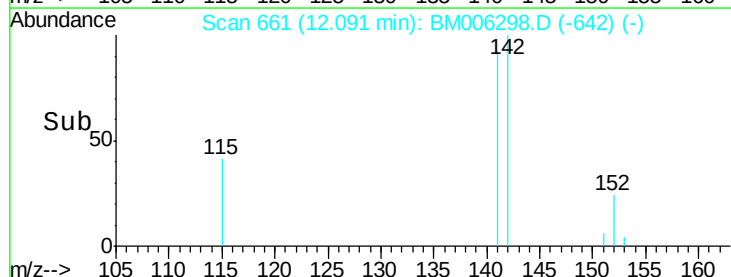
300

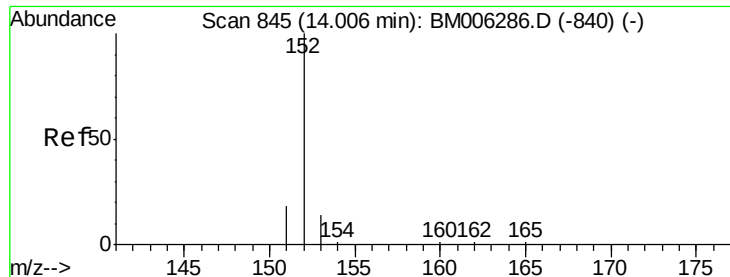
200

100

0

Time-->





#9

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

Instrument :

BNA_M

ClientSampleId :

A4TW0

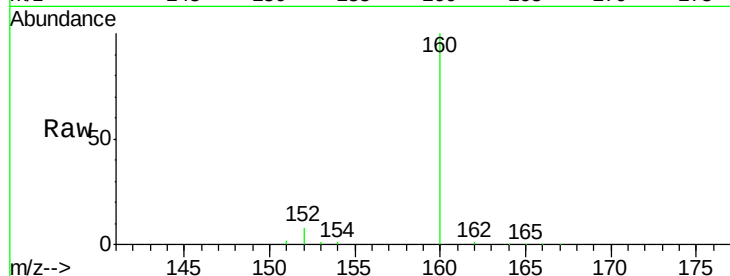
Tgt Ion:152 Resp: 2722

Ion Ratio Lower Upper

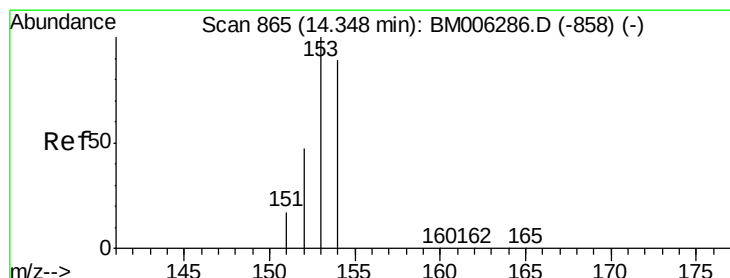
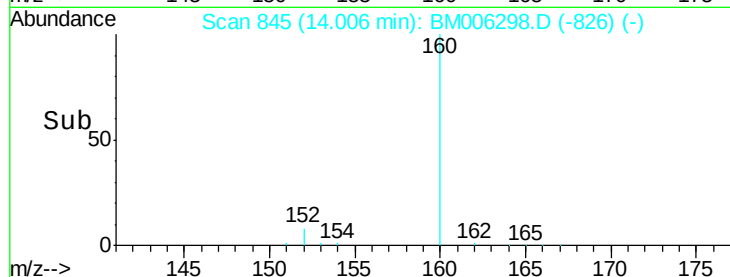
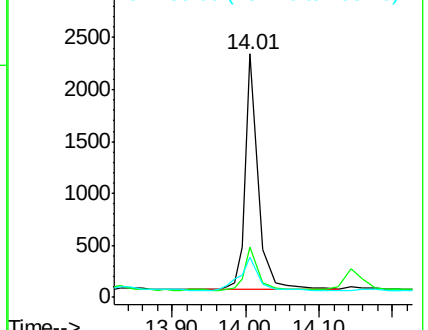
152 100

151 20.9 17.6 26.4

153 16.6 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



#10

Acenaphthene

Concen: 0.02 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.00 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

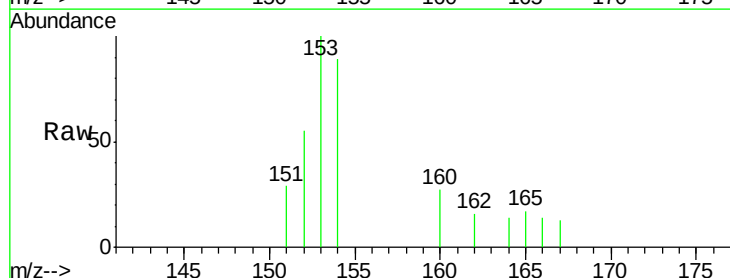
Tgt Ion:153 Resp: 684

Ion Ratio Lower Upper

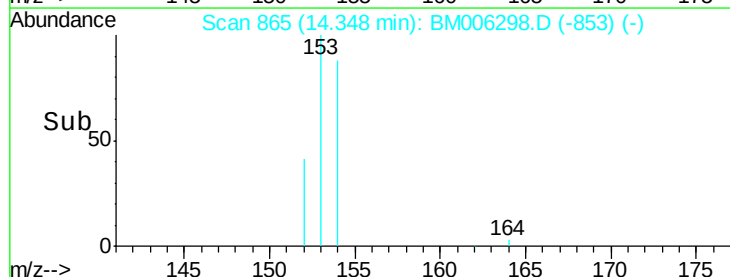
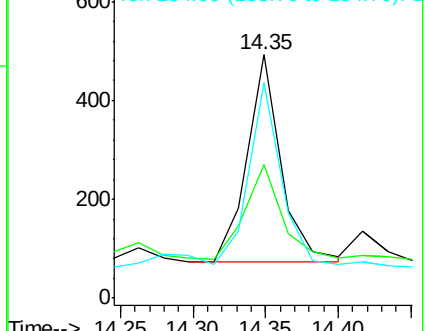
153 100

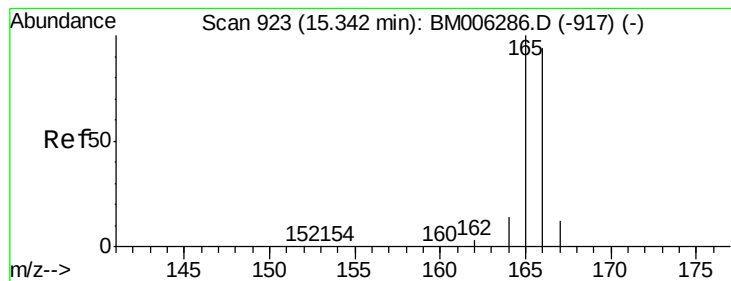
152 55.0 33.9 50.9#

154 88.6 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





#11

Fluorene

Concen: 0.03 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.00 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

Instrument :

BNA_M

ClientSampleId :

A4TW0

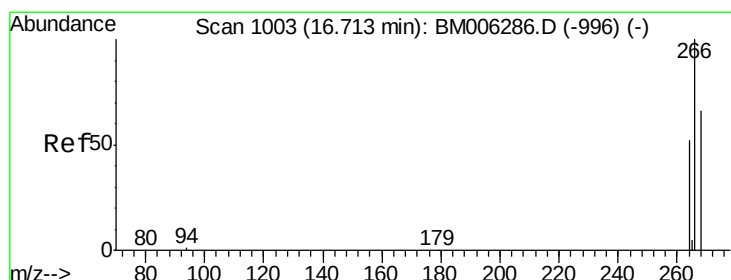
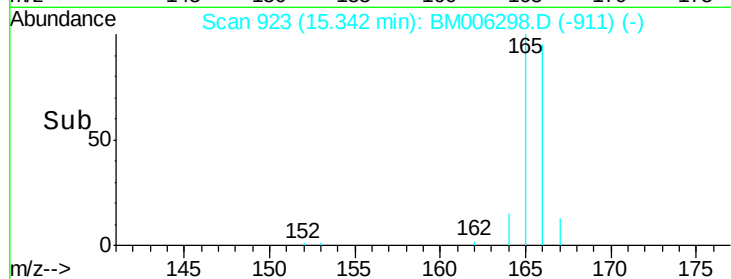
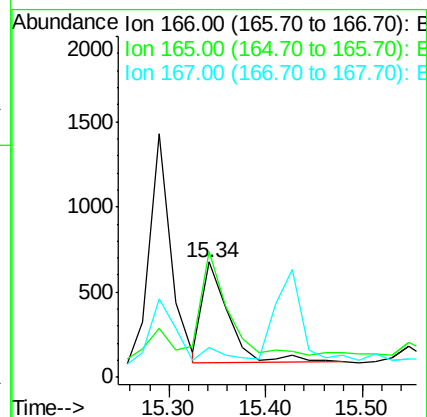
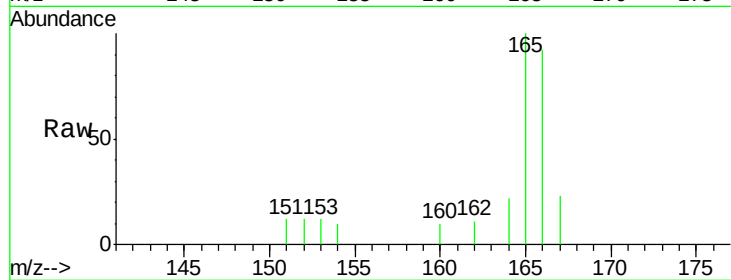
Tgt Ion:166 Resp: 1111

Ion Ratio Lower Upper

166 100

165 108.7 69.6 104.4#

167 25.5 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.80 min Scan# 1008

Delta R.T. 0.09 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

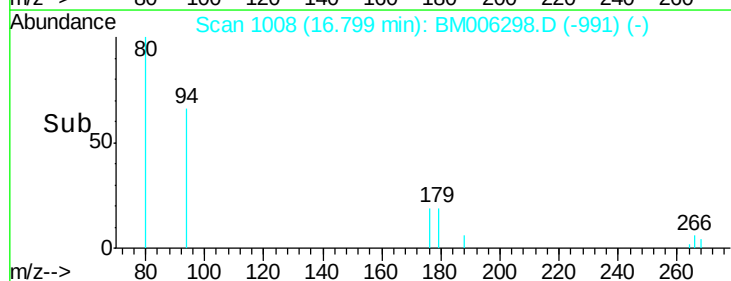
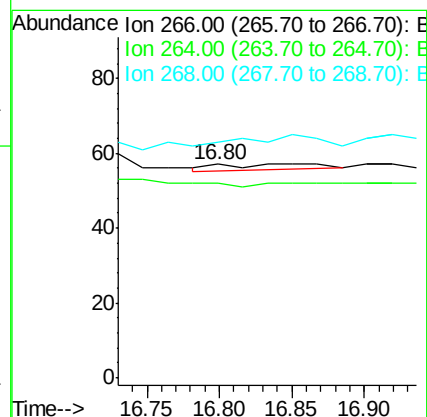
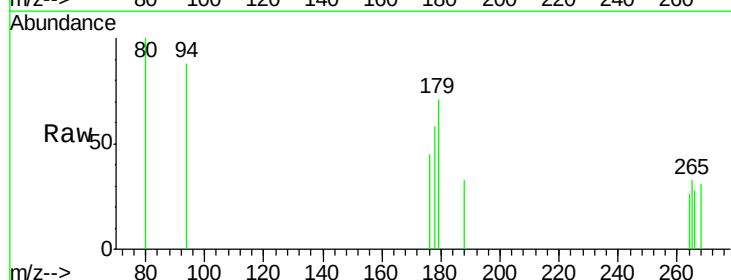
Tgt Ion:266 Resp: 7

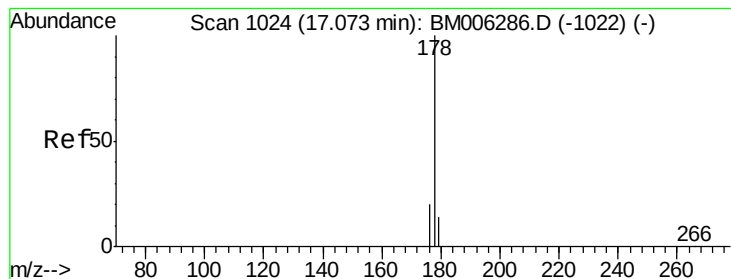
Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

268 0.0 46.8 70.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. 0.09 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

Instrument :

BNA_M

ClientSampleId :

A4TW0

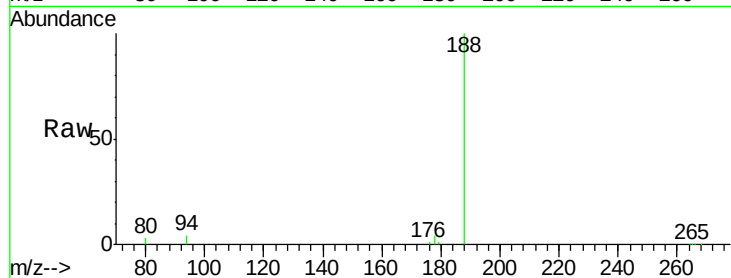
Tgt Ion:178 Resp: 3032

Ion Ratio Lower Upper

178 100

176 26.4 13.0 19.4#

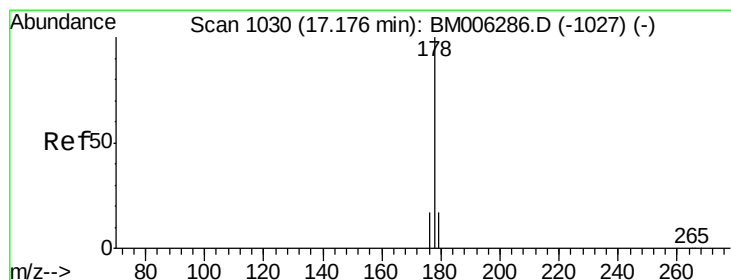
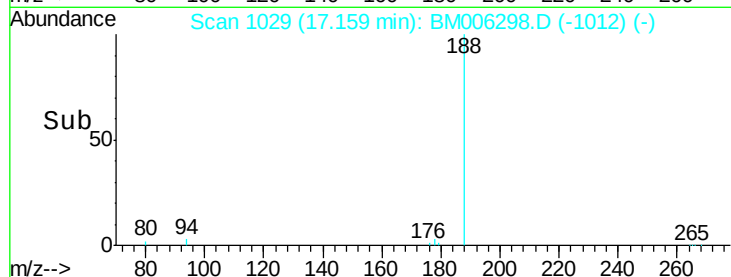
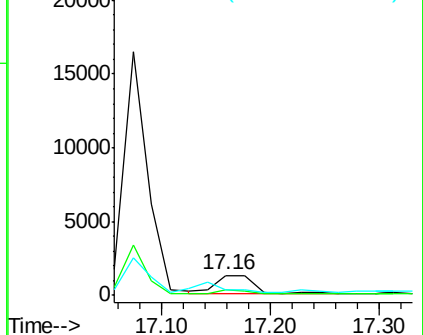
179 29.7 14.2 21.2#



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



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

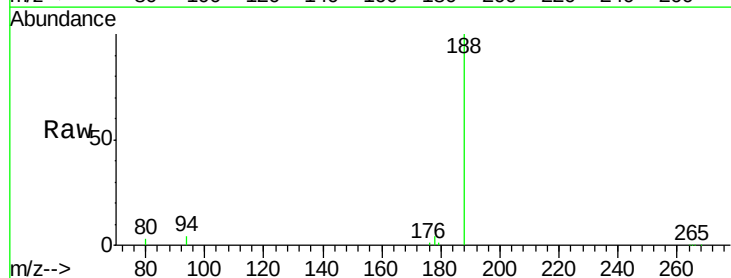
Tgt Ion:178 Resp: 2970

Ion Ratio Lower Upper

178 100

176 26.4 14.0 21.0#

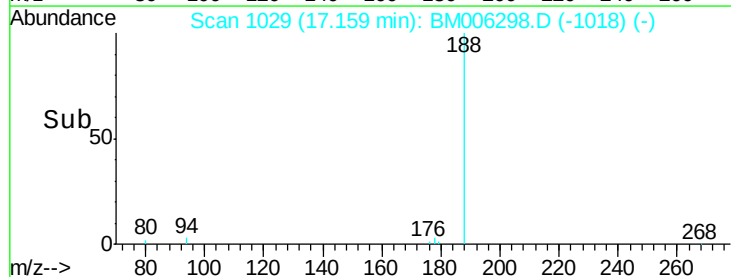
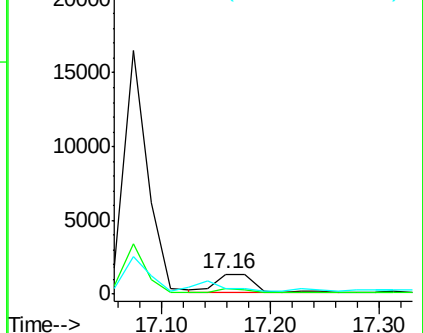
179 29.7 12.9 19.3#

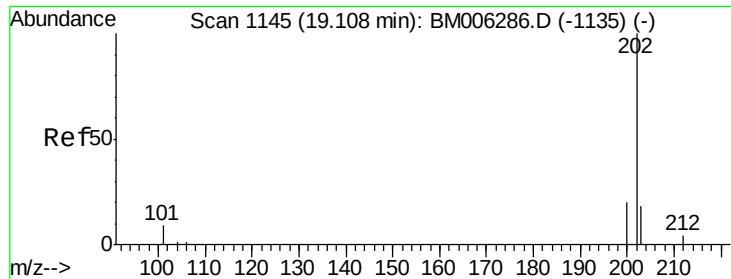


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.02 ng/ul

RT: 19.10 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

Instrument :

BNA_M

ClientSampleId :

A4TW0

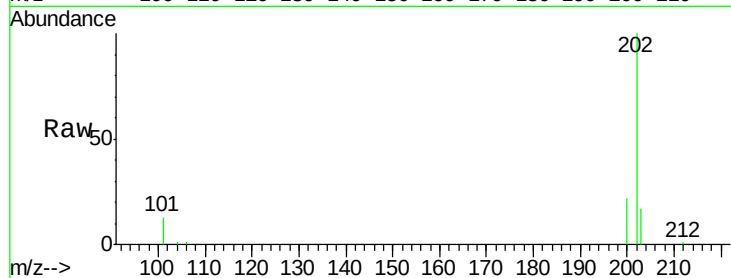
Tgt Ion:202 Resp: 44161

Ion Ratio Lower Upper

202 100

101 13.2 0.0 29.6

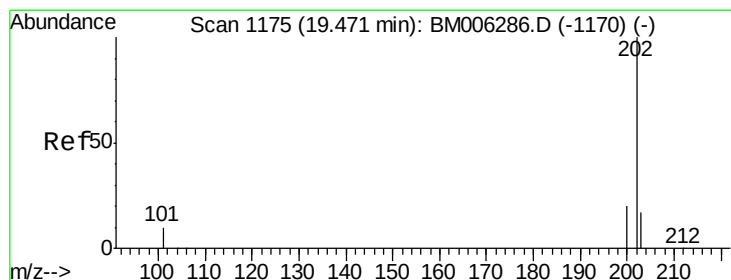
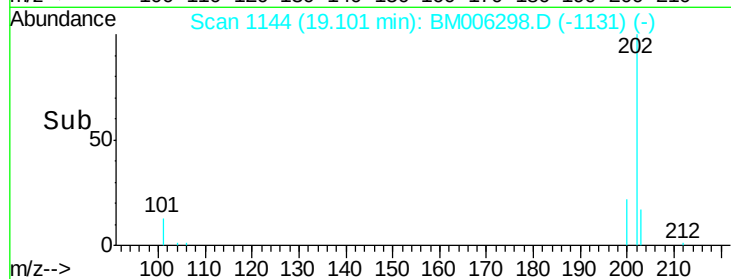
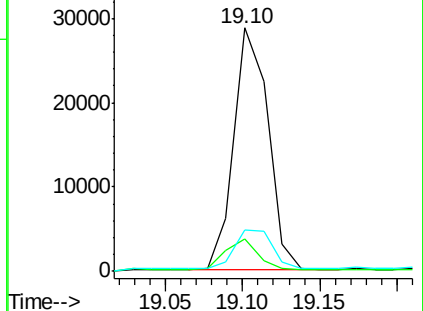
203 17.2 0.0 36.3



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



#19

Pyrene

Concen: 11.99 ng/ul

RT: 19.46 min Scan# 1174

Delta R.T. -0.01 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

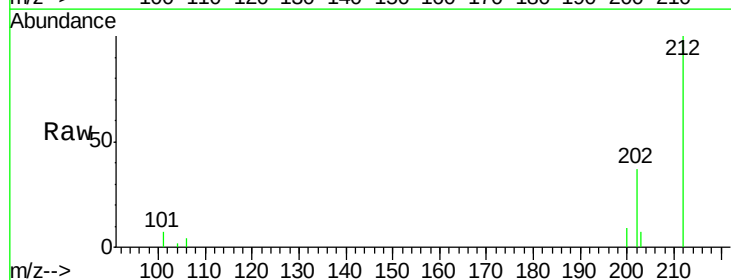
Tgt Ion:202 Resp: 40527

Ion Ratio Lower Upper

202 100

200 24.1 17.8 26.8

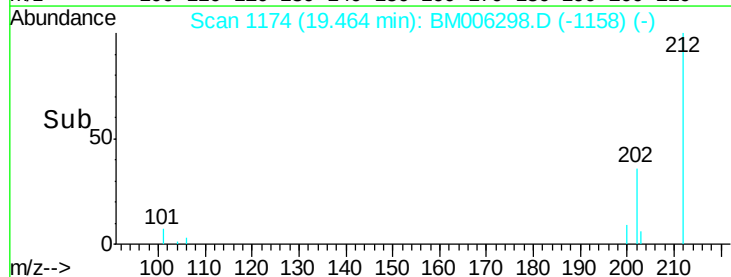
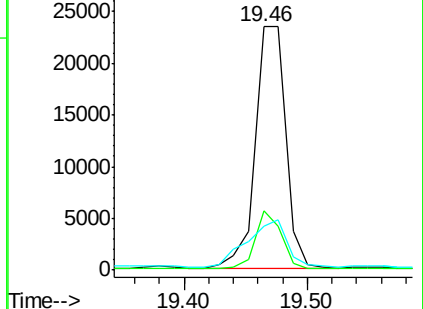
203 17.8 12.8 19.2

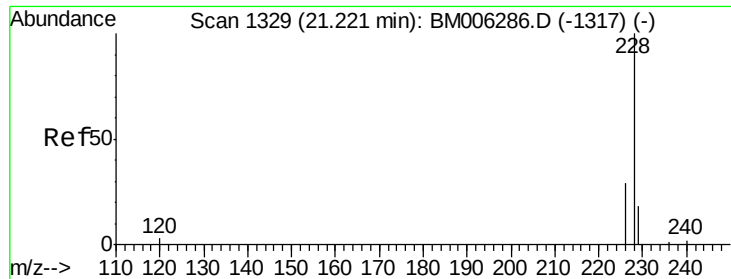


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 6.47 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. 0.06 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

Instrument :

BNA_M

ClientSampleId :

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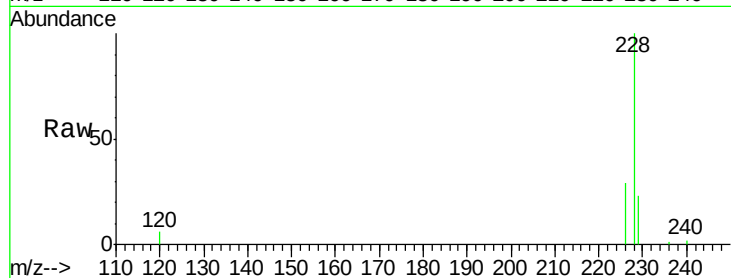
Tgt Ion:228 Resp: 16902

Ion Ratio Lower Upper

228 100

226 28.8 18.8 28.2#

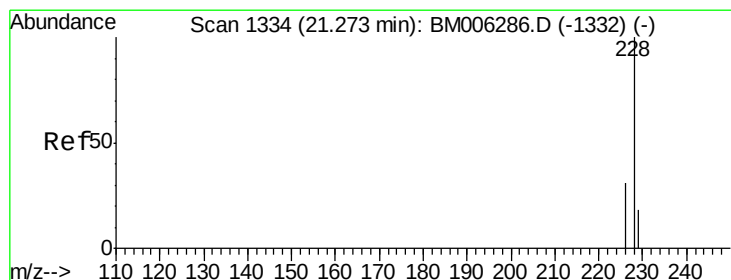
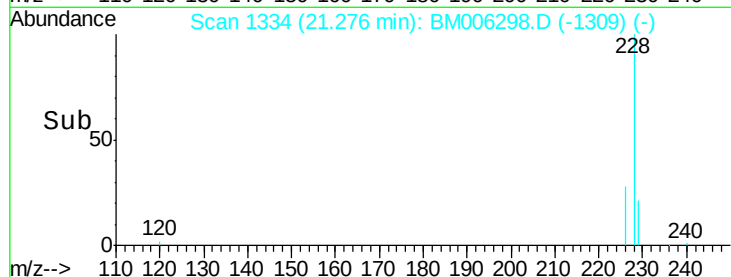
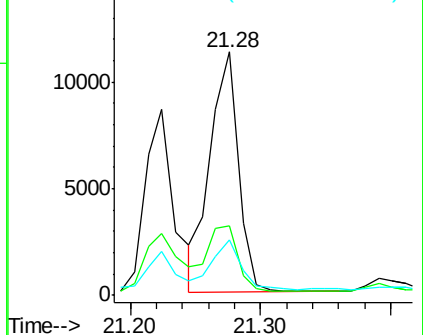
229 22.8 17.1 25.7



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



#21

Chrysene

Concen: 6.55 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

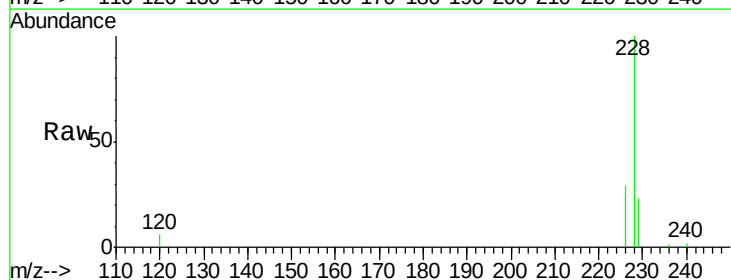
Tgt Ion:228 Resp: 16758

Ion Ratio Lower Upper

228 100

226 28.8 21.2 31.8

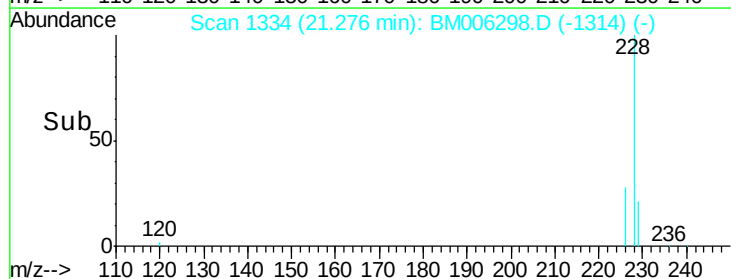
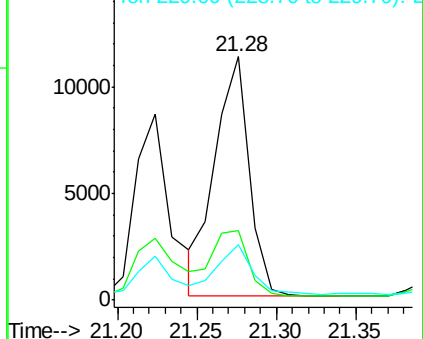
229 22.8 17.0 25.6

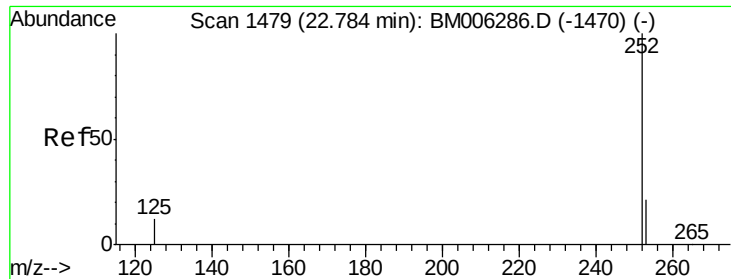


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.57 ng/ul

RT: 22.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

Instrument :

BNA_M

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A4TW0

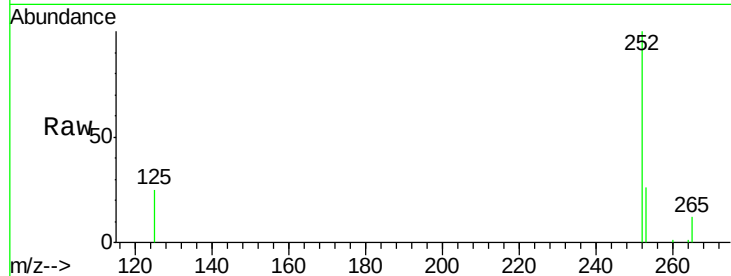
Tgt Ion:252 Resp: 27963

Ion Ratio Lower Upper

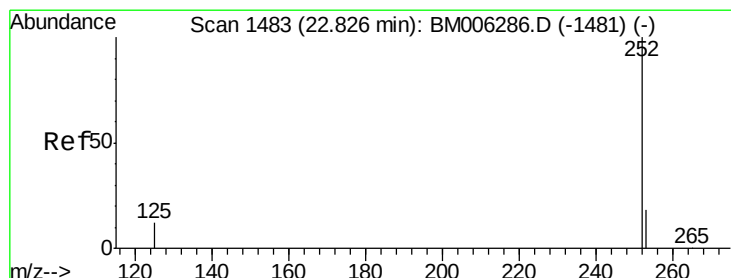
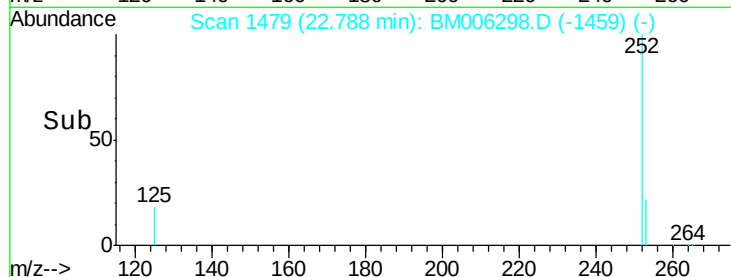
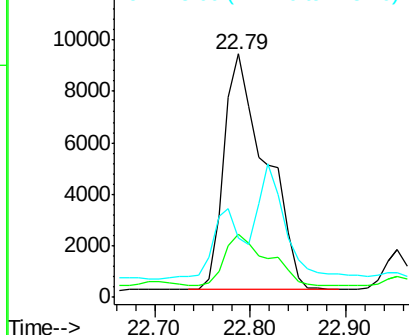
252 100

253 26.1 0.0 45.4

125 24.5 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



#24

Benzo(k)fluoranthene

Concen: 0.62 ng/ul

RT: 22.79 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

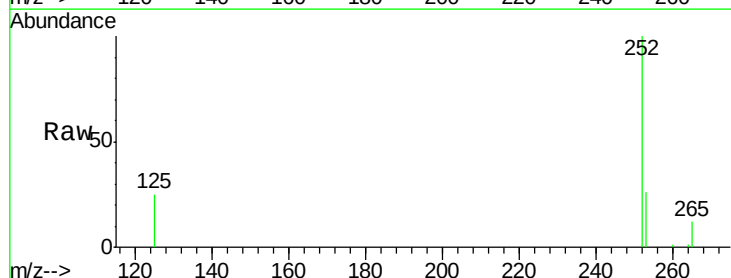
Tgt Ion:252 Resp: 27963

Ion Ratio Lower Upper

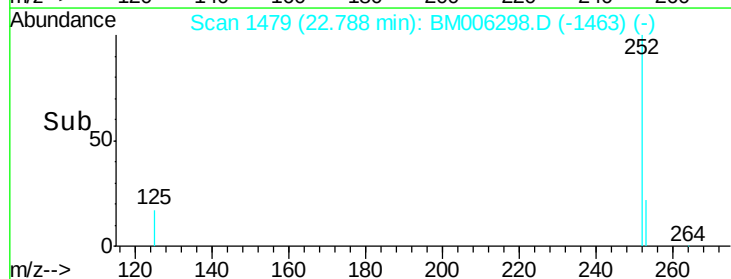
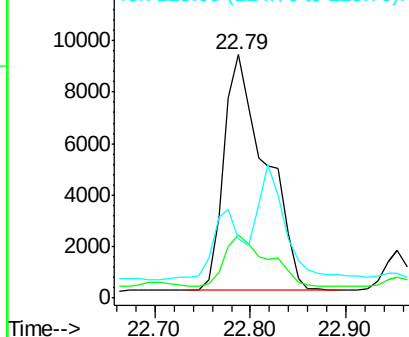
252 100

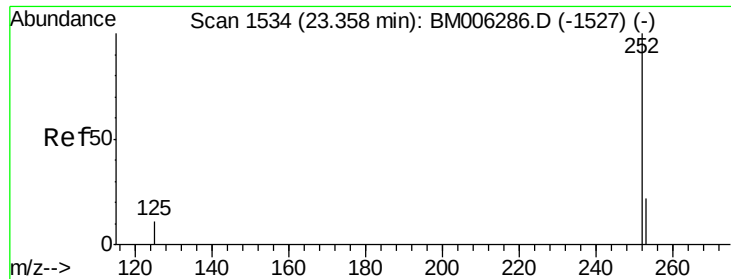
253 26.1 19.8 29.8

125 24.5 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





#25

Benzo(a)pyrene

Concen: 0.34 ng/ul

RT: 23.35 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

Instrument :

BNA_M

ClientSampleId :

A4TW0

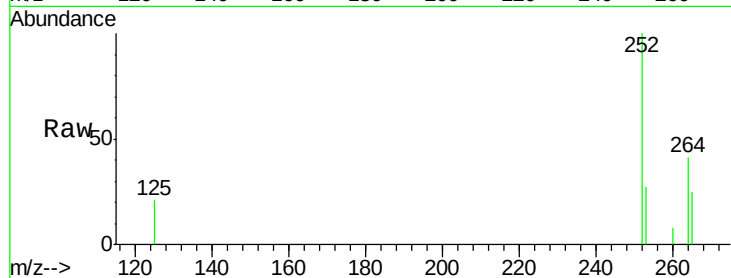
Tgt Ion:252 Resp: 15274

Ion Ratio Lower Upper

252 100

253 27.1 19.4 29.2

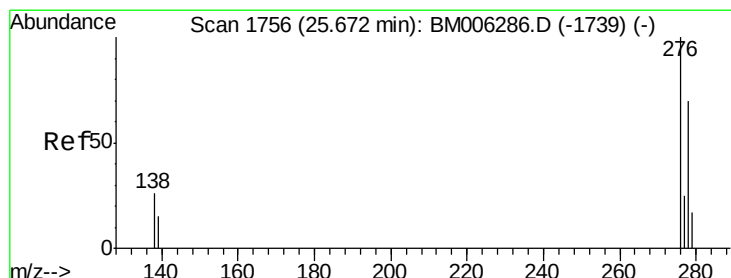
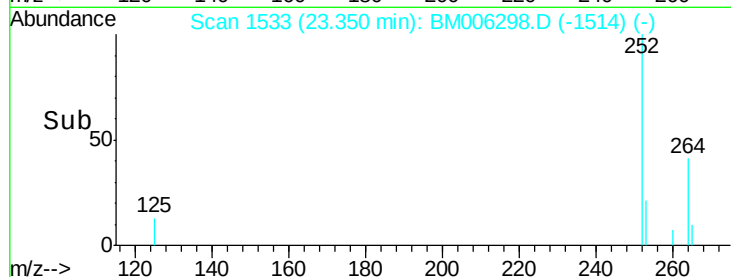
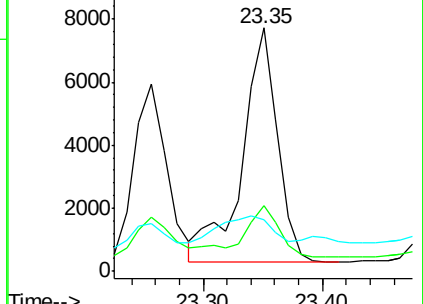
125 21.4 12.7 19.1#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.22 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BM006298.D

Acq: 07 Jul 2016 00:28

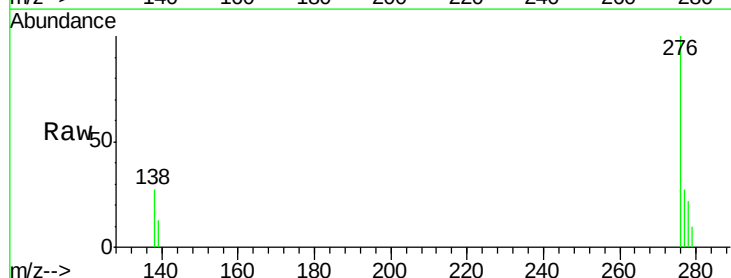
Tgt Ion:276 Resp: 11074

Ion Ratio Lower Upper

276 100

138 30.8 16.3 24.5#

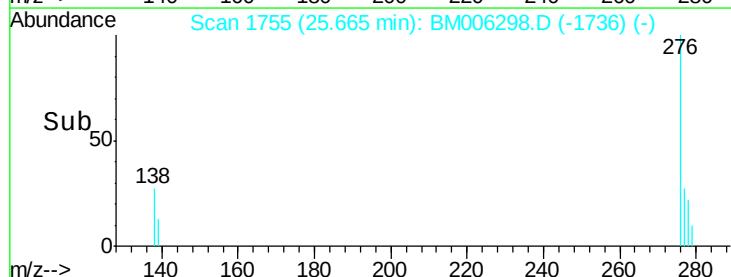
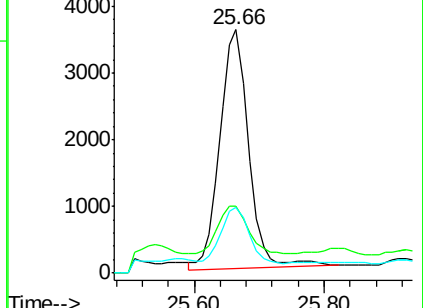
277 27.4 19.8 29.8

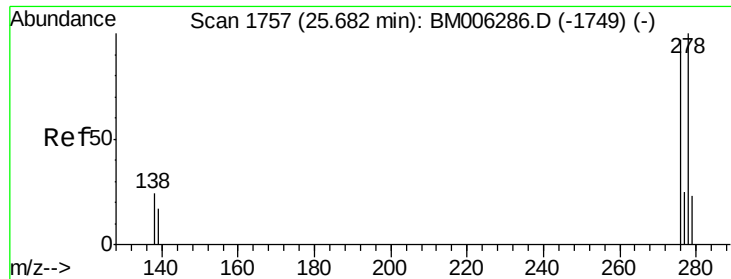


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

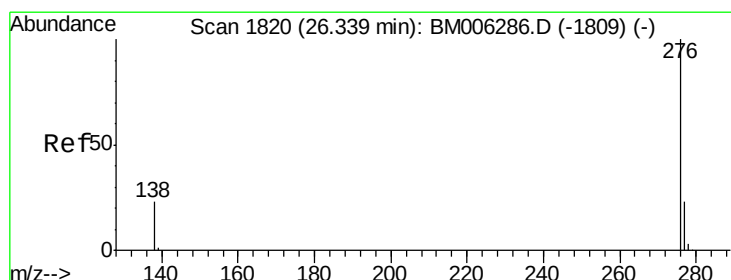
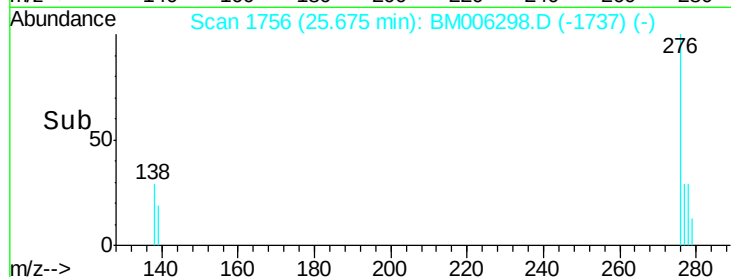
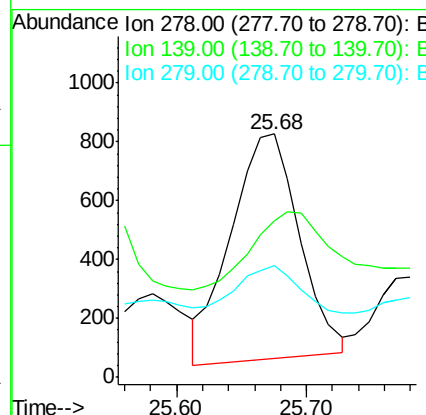
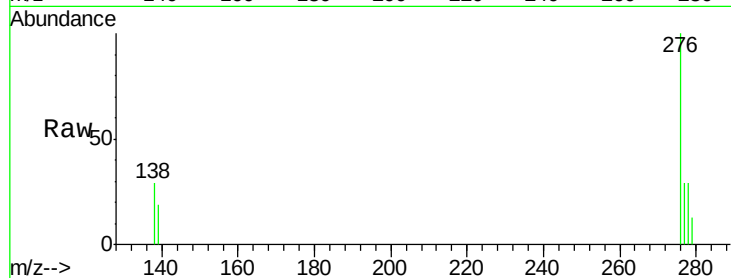




#27
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 25.68 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BM006298.D
Acq: 07 Jul 2016 00:28

Instrument :
BNA_M
ClientSampleId :
A4TW0

Tgt Ion: 278 Resp: 2795
Ion Ratio Lower Upper
278 100
139 64.2 16.4 24.6#
279 45.9 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.23 ng/ul
RT: 26.34 min Scan# 1820
Delta R.T. 0.00 min
Lab File: BM006298.D
Acq: 07 Jul 2016 00:28

Tgt Ion: 276 Resp: 9865
Ion Ratio Lower Upper
276 100
277 26.7 18.9 28.3
138 27.8 22.5 33.7

