

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006343.D
 Acq On : 08 Jul 2016 06:08
 Operator : UM/SJ
 Sample : H3811-17DL 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW5DL

Quant Time: Jul 08 08:23:07 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 08:04:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4862	0.40	ng/ul	0.00
4) Naphthalene-d8	10.42	136	18907	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.28	164	10537	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.04	188	22751	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	15953	0.40	ng/ul	0.00
22) Perylene-d12	23.44	264	14684	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	1838	0.89	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	1591	0.07	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	4927	0.10	ng/ul	0.00

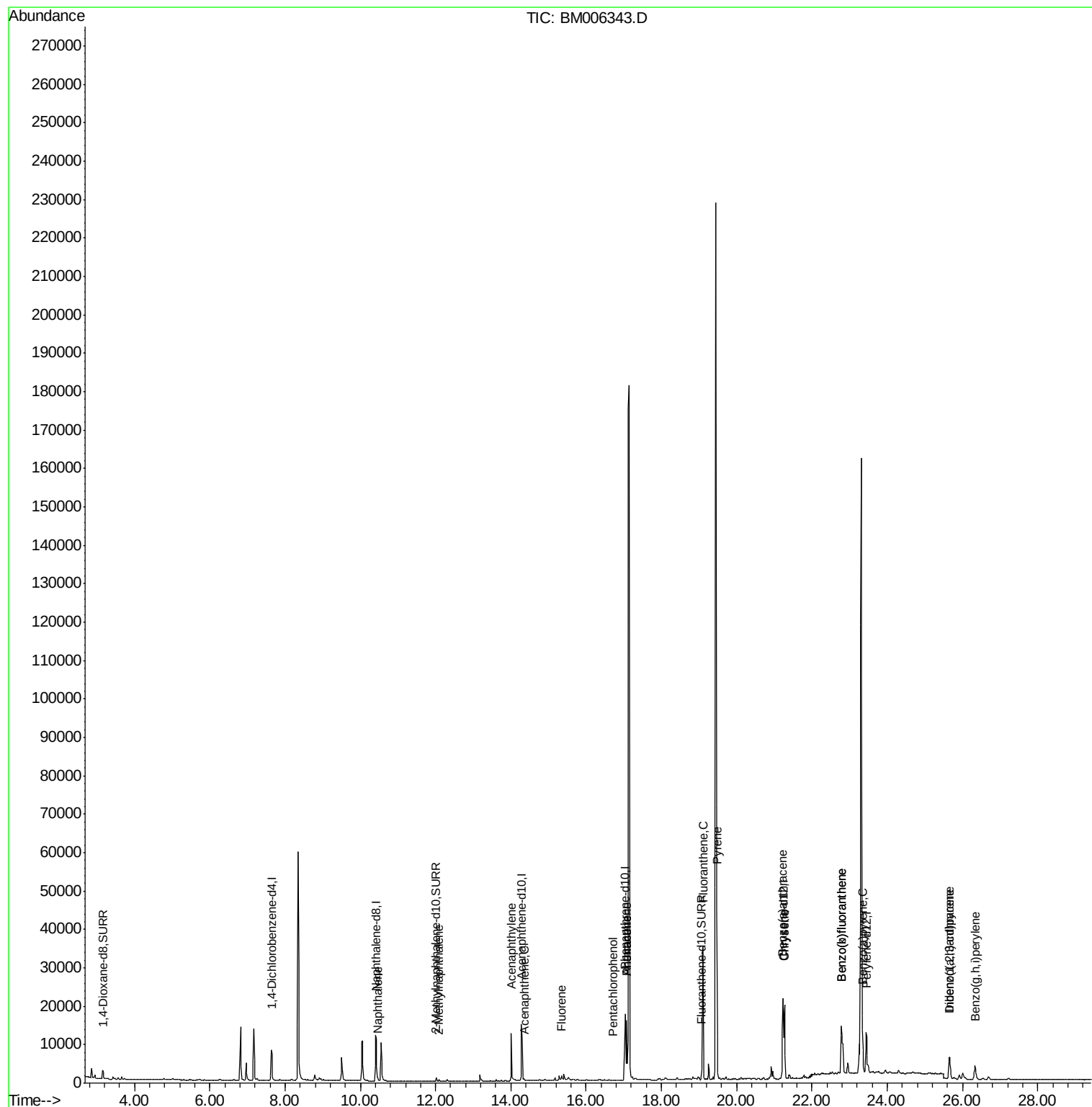
Target Compounds				Qvalue		
5) Naphthalene	10.46	128	896	0.02	ng/ul#	71
7) 2-Methylnaphthalene	12.09	142	430	0.01	ng/ul	96
9) Acenaphthylene	14.01	152	3676	0.10	ng/ul#	93
10) Acenaphthene	14.35	153	341	0.01	ng/ul#	85
11) Fluorene	15.34	166	985	0.02	ng/ul#	80
13) Pentachlorophenol	16.71	266	13	0.00	ng/ul#	74
14) Phenanthrene	17.07	178	17075	0.27	ng/ul#	93
15) Anthracene	17.07	178	17040	0.29	ng/ul	96
17) Fluoranthene	19.11	202	36537	0.53	ng/ul	92
19) Pyrene	19.47	202	42715	0.64	ng/ul	93
20) Benzo(a)anthracene	21.22	228	16900	0.33	ng/ul#	86
21) Chrysene	21.27	228	20160	0.40	ng/ul	95
23) Benzo(b)fluoranthene	22.78	252	27669	0.53	ng/ul	94
24) Benzo(k)fluoranthene	22.78	252	27669	0.57	ng/ul#	96
25) Benzo(a)pyrene	23.35	252	14432	0.30	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.65	276	10181	0.19	ng/ul#	86
27) Dibenzo(a,h)anthracene	25.66	278	3012	0.07	ng/ul#	59
28) Benzo(g,h,i)perylene	26.33	276	7854	0.17	ng/ul	96

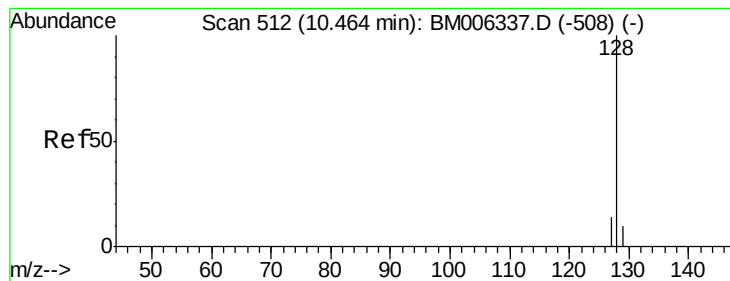
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

Instrument :

BNA_M

ClientSampleId :

A4TW5DL

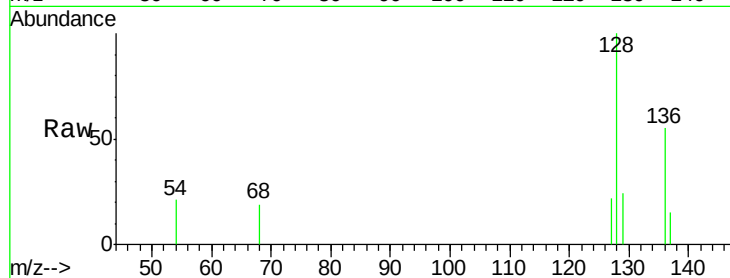
Tgt Ion:128 Resp: 896

Ion Ratio Lower Upper

128 100

129 23.5 9.0 13.6#

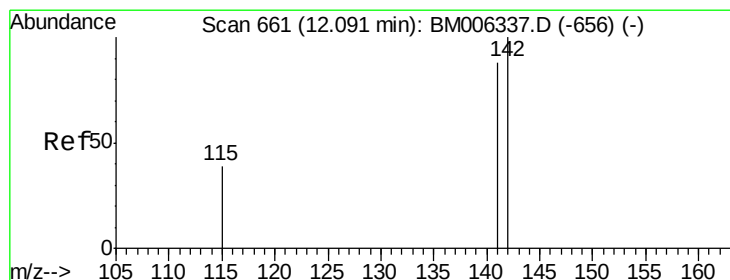
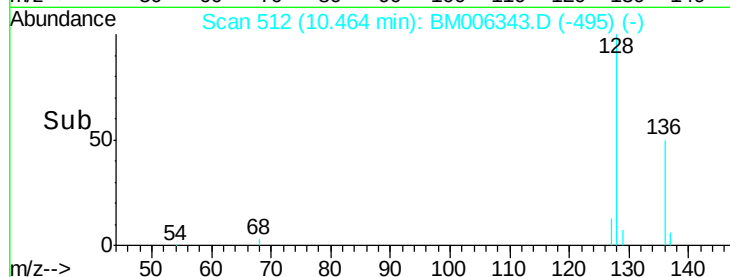
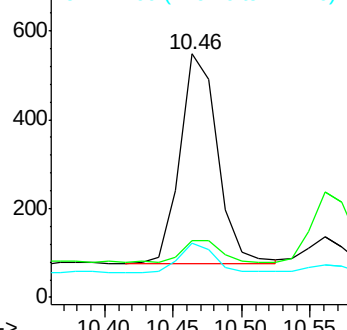
127 22.1 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006343.D

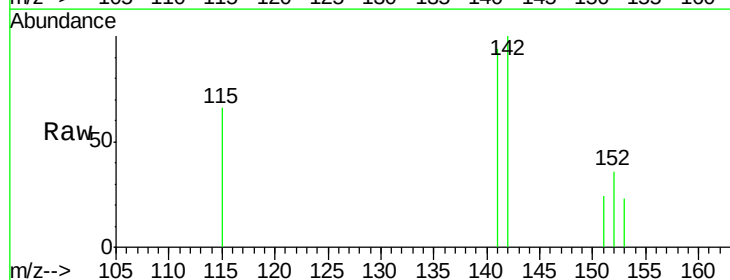
Acq: 08 Jul 2016 06:08

Tgt Ion:142 Resp: 430

Ion Ratio Lower Upper

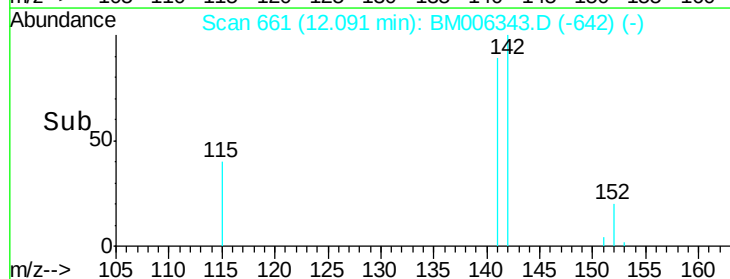
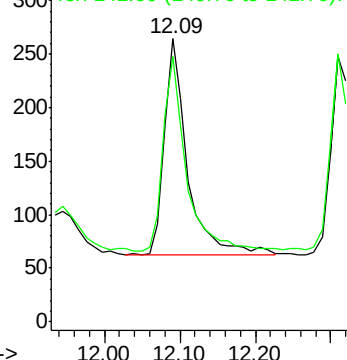
142 100

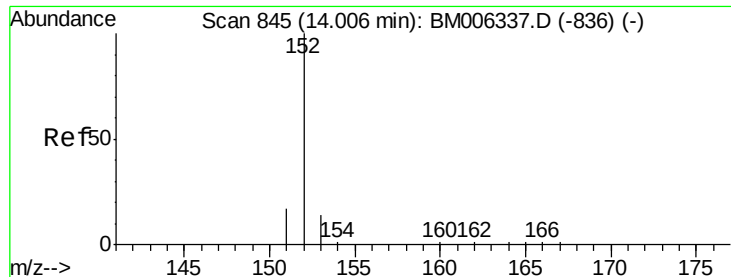
141 91.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.10 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

Instrument :

BNA_M

ClientSampleId :

A4TW5DL

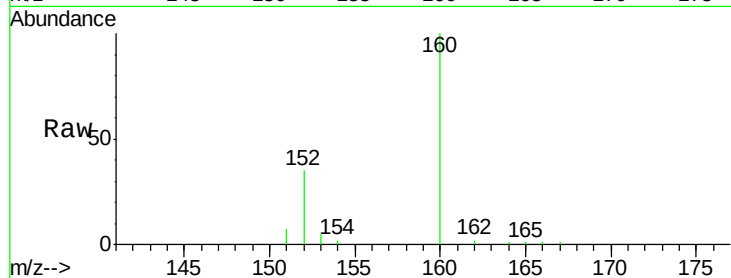
Tgt Ion:152 Resp: 3676

Ion Ratio Lower Upper

152 100

151 19.6 17.6 26.4

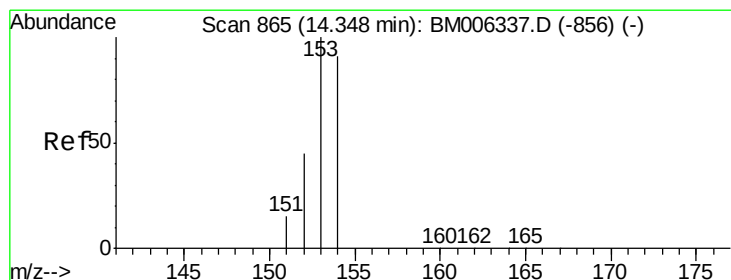
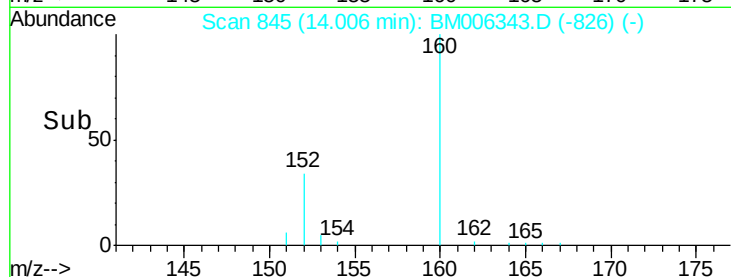
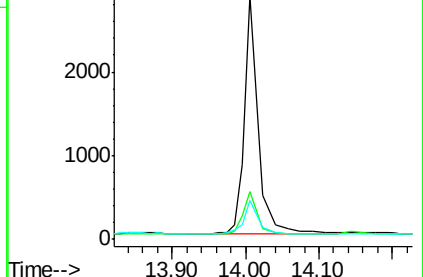
153 15.8 9.7 14.5#



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: 0.01 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

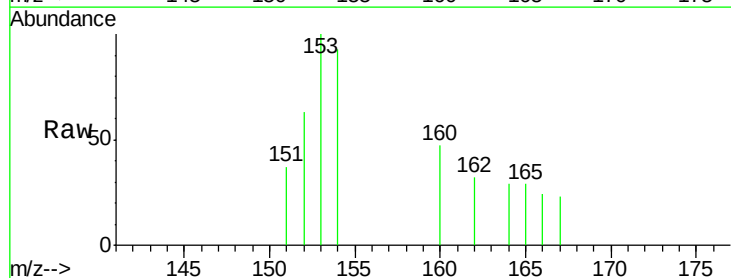
Tgt Ion:153 Resp: 341

Ion Ratio Lower Upper

153 100

152 62.7 33.9 50.9#

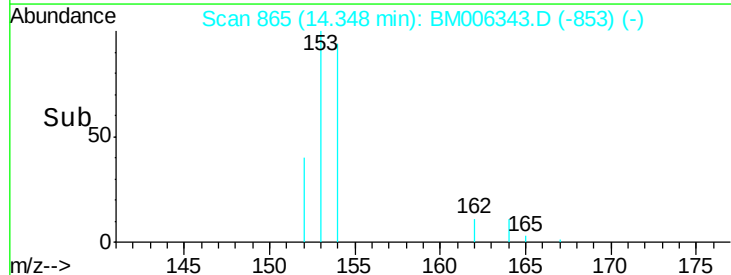
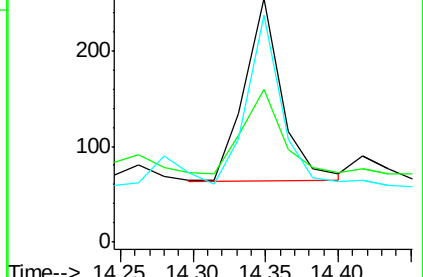
154 93.3 80.6 121.0

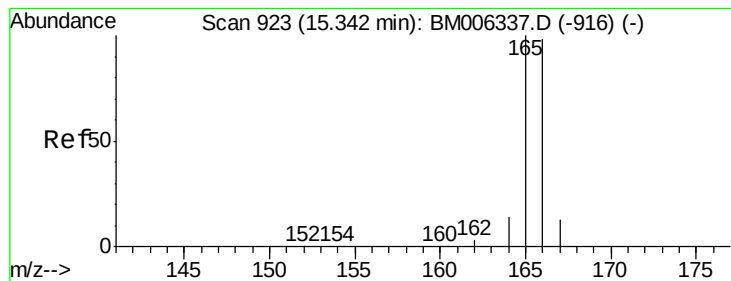


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.02 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. 0.00 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

Instrument :

BNA_M

ClientSampleId :

A4TW5DL

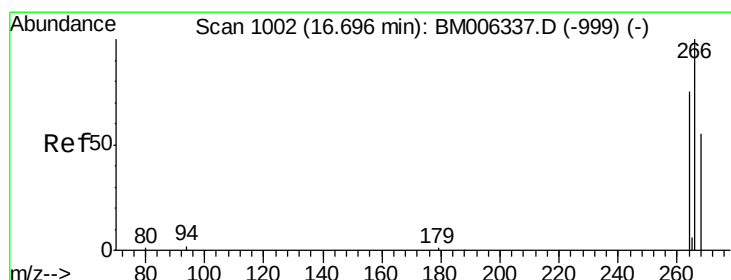
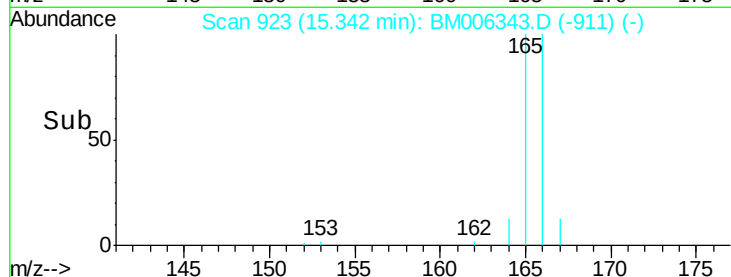
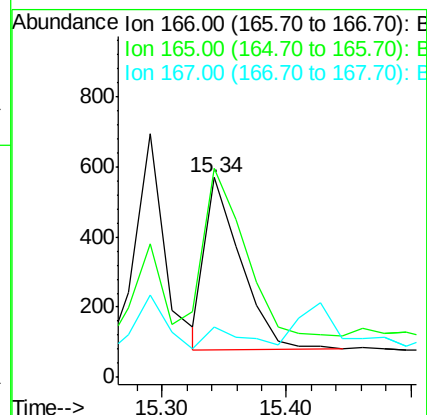
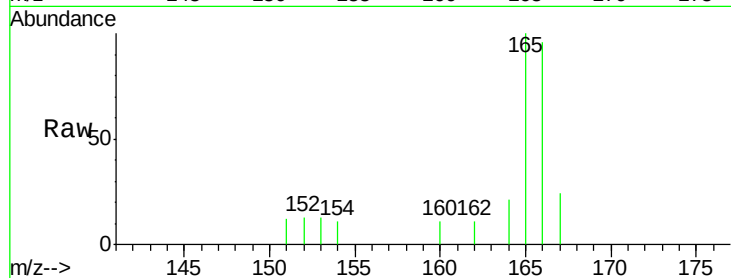
Tgt Ion:166 Resp: 985

Ion Ratio Lower Upper

166 100

165 104.4 69.6 104.4

167 25.3 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.71 min Scan# 1003

Delta R.T. 0.02 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

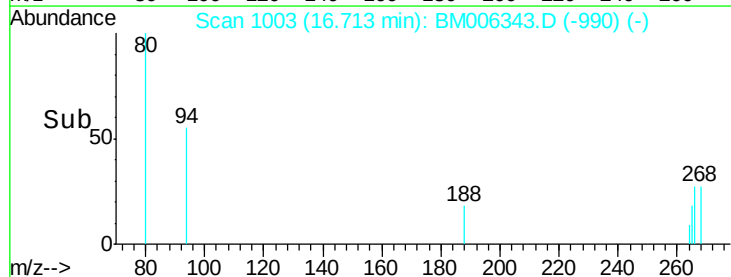
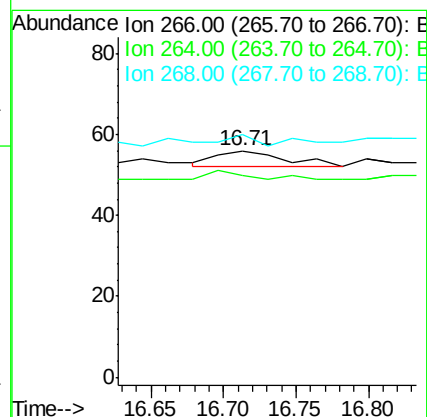
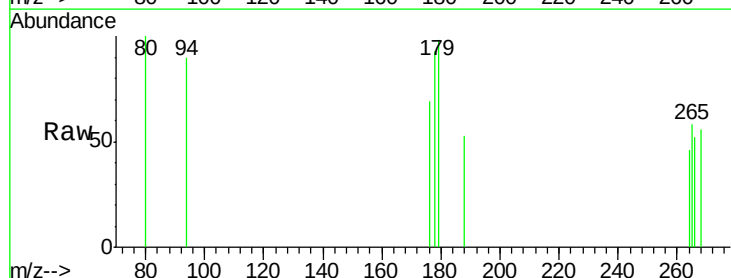
Tgt Ion:266 Resp: 13

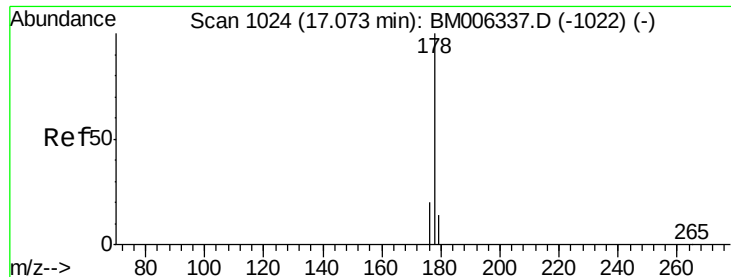
Ion Ratio Lower Upper

266 100

264 30.8 51.8 77.8#

268 53.8 46.8 70.2





#14

Phenanthrene

Concen: 0.27 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

Instrument :

BNA_M

ClientSampleId :

A4TW5DL

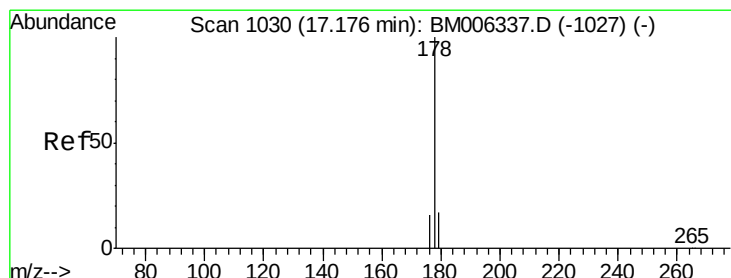
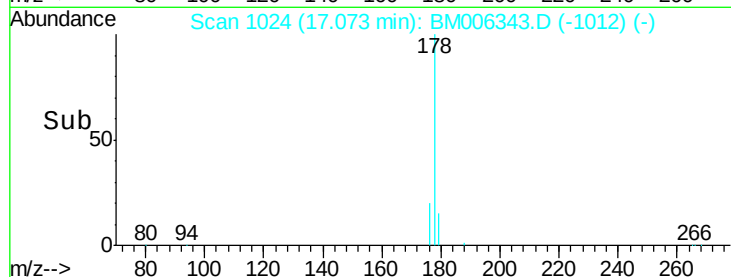
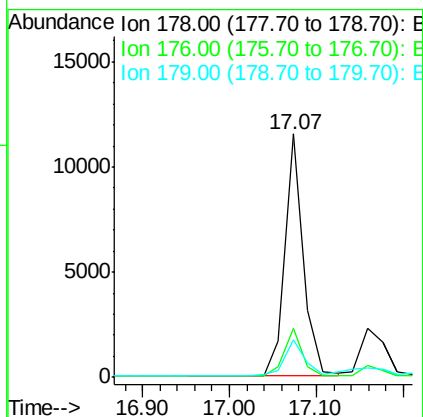
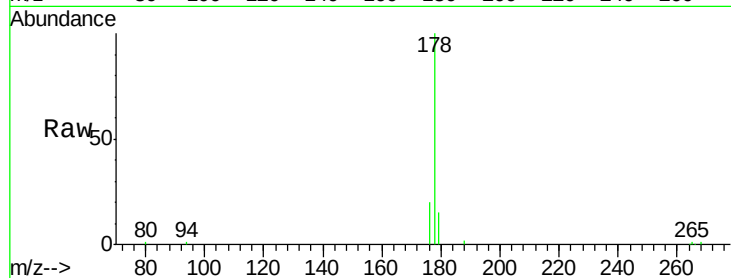
Tgt Ion:178 Resp: 17075

Ion Ratio Lower Upper

178 100

176 20.2 13.0 19.4#

179 15.4 14.2 21.2



#15

Anthracene

Concen: 0.29 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.10 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

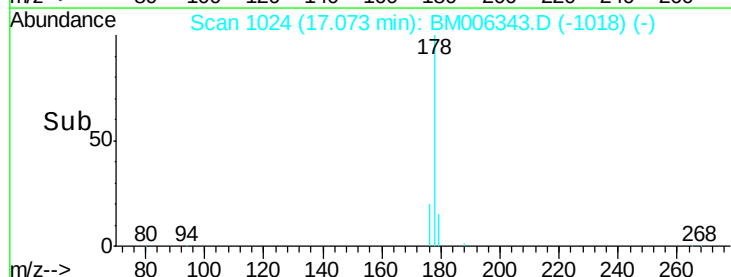
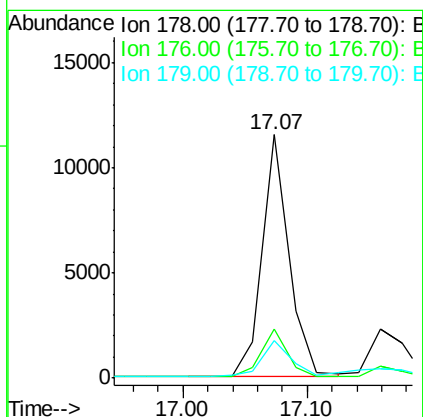
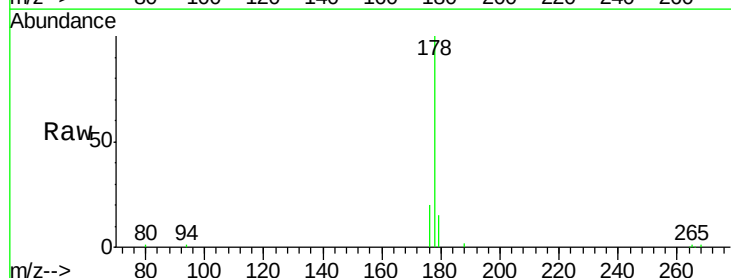
Tgt Ion:178 Resp: 17040

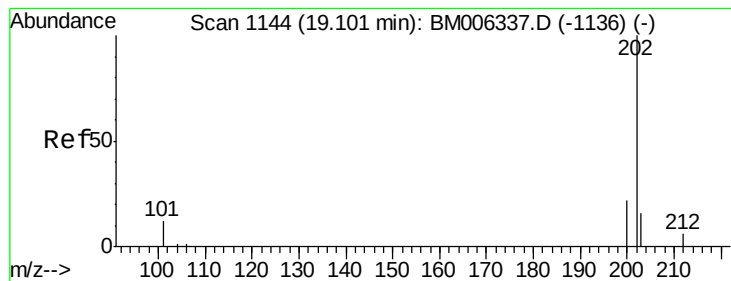
Ion Ratio Lower Upper

178 100

176 20.2 14.0 21.0

179 15.4 12.9 19.3





#17

Fluoranthene

Concen: 0.53 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. 0.01 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

Instrument :

BNA_M

ClientSampleId :

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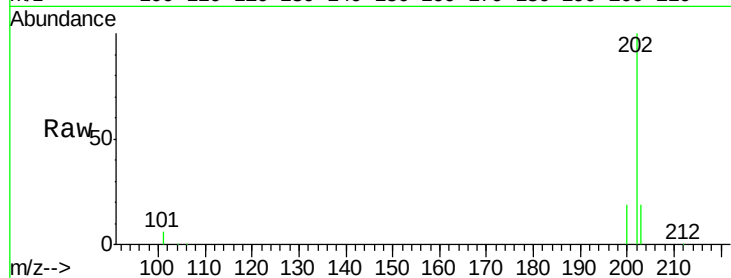
Tgt Ion:202 Resp: 36537

Ion Ratio Lower Upper

202 100

101 6.3 0.0 29.6

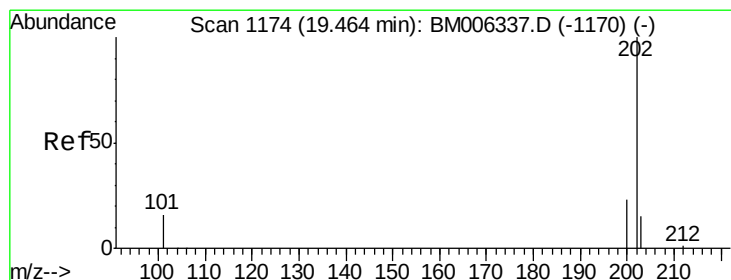
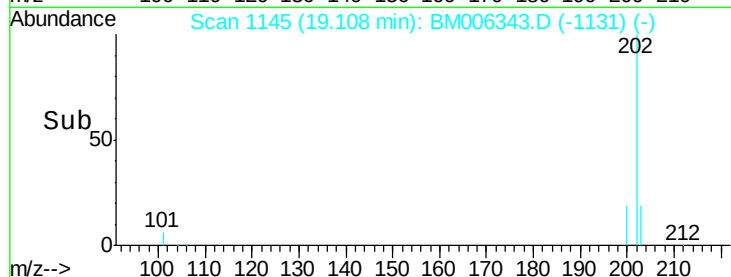
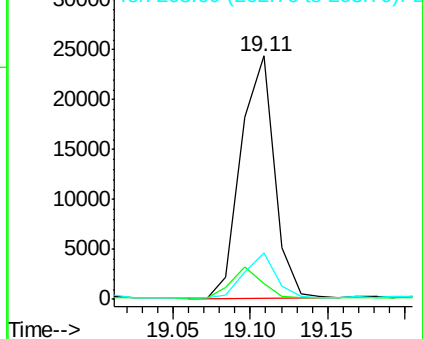
203 19.2 0.0 36.3



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: 0.64 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. 0.01 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

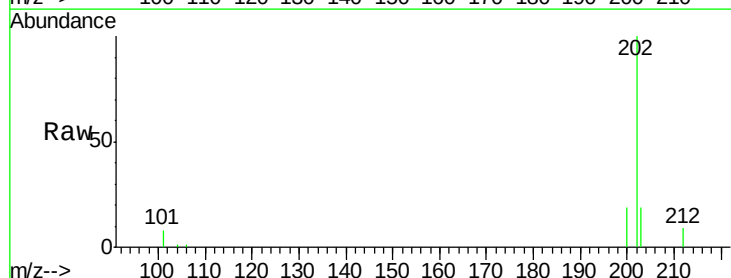
Tgt Ion:202 Resp: 42715

Ion Ratio Lower Upper

202 100

200 19.3 17.8 26.8

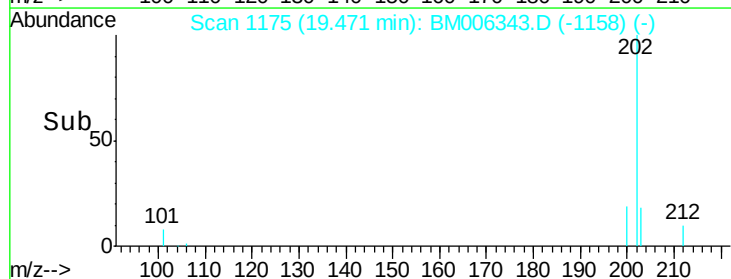
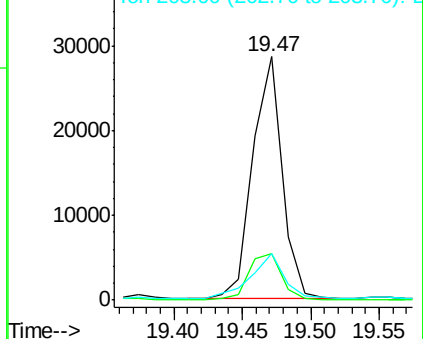
203 19.0 12.8 19.2

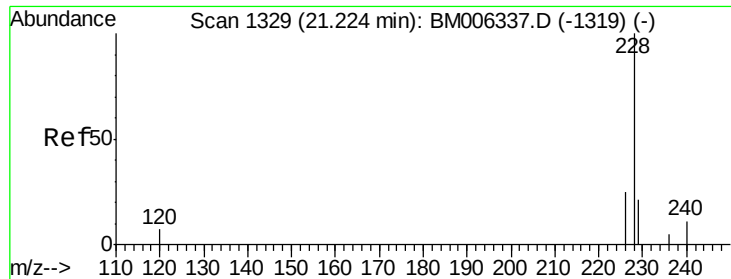


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.33 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

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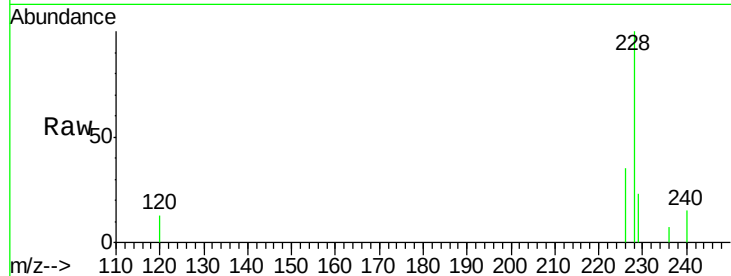
Tgt Ion:228 Resp: 16900

Ion Ratio Lower Upper

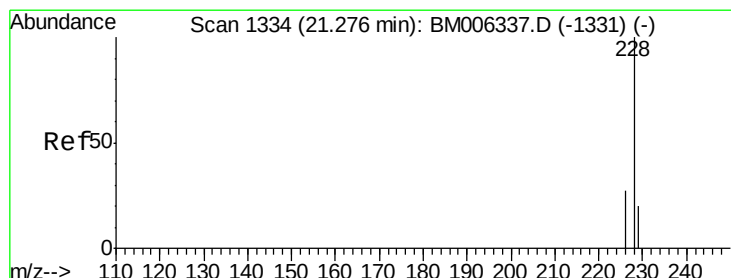
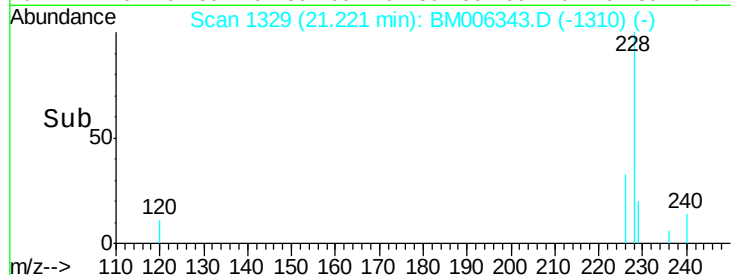
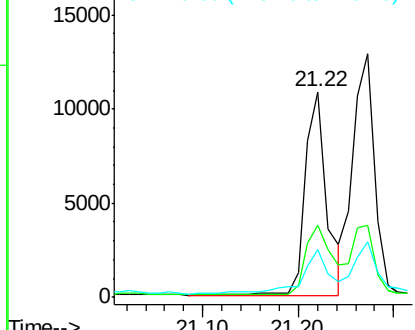
228 100

226 34.8 18.8 28.2#

229 23.5 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: 0.40 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

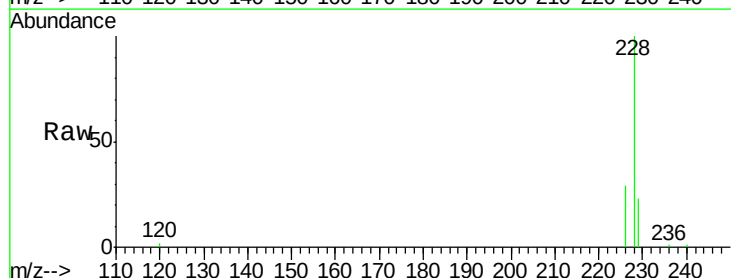
Tgt Ion:228 Resp: 20160

Ion Ratio Lower Upper

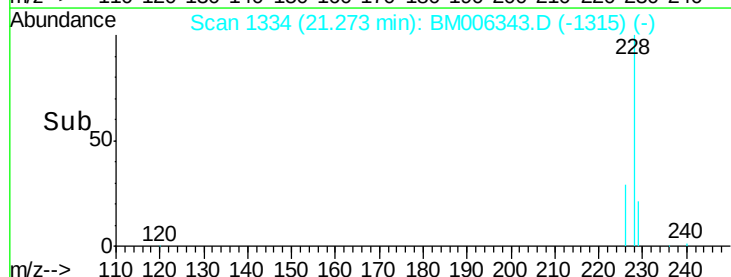
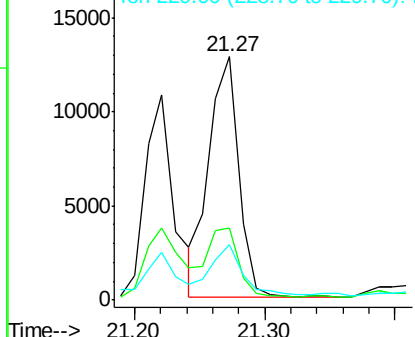
228 100

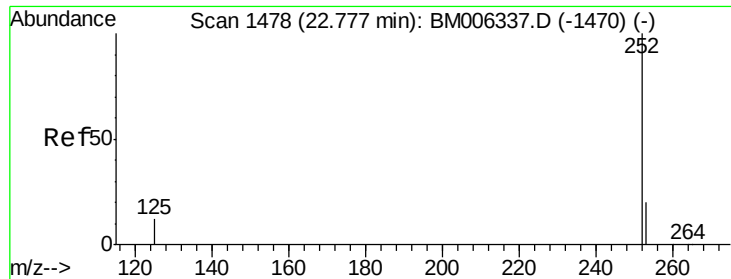
226 29.5 21.2 31.8

229 23.0 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: 0.53 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

Instrument :

BNA_M

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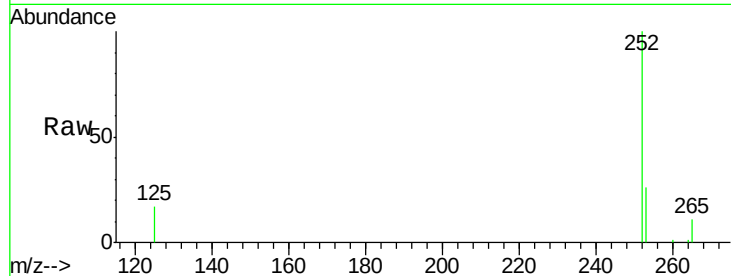
Tgt Ion:252 Resp: 27669

Ion Ratio Lower Upper

252 100

253 25.6 0.0 45.4

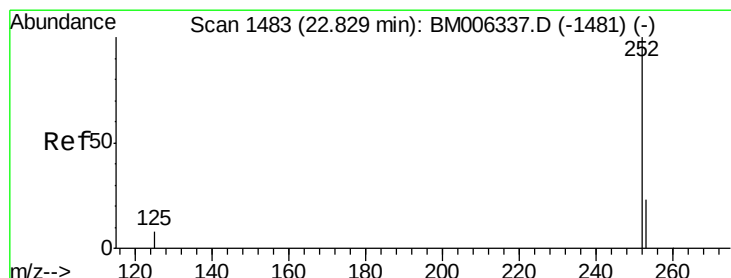
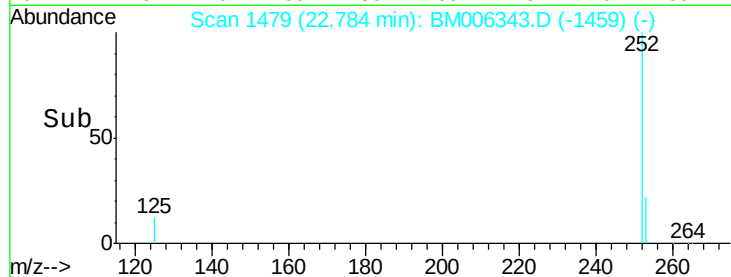
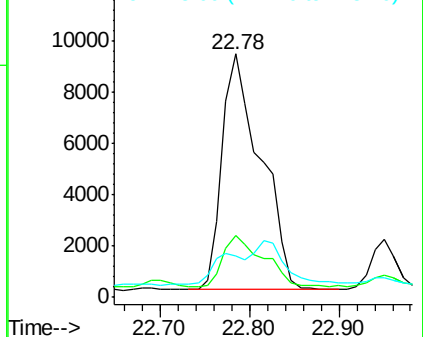
125 16.9 0.0 28.8



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: 0.57 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

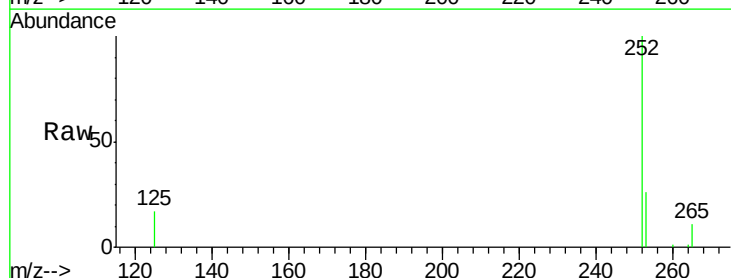
Tgt Ion:252 Resp: 27669

Ion Ratio Lower Upper

252 100

253 25.6 19.8 29.8

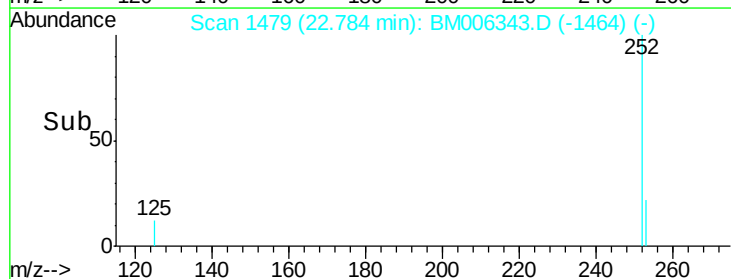
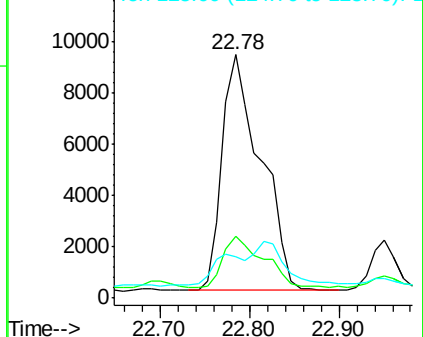
125 16.9 10.4 15.6#

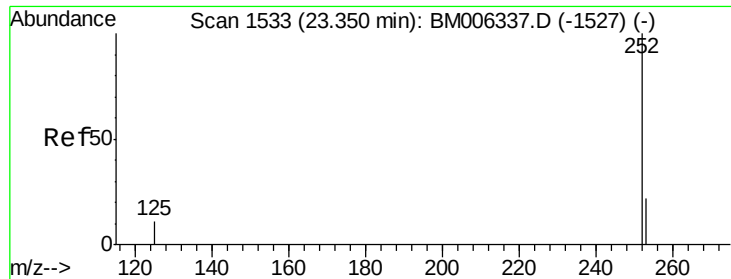


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.30 ng/ul

RT: 23.35 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

Instrument :

BNA_M

ClientSampleId :

A4TW5DL

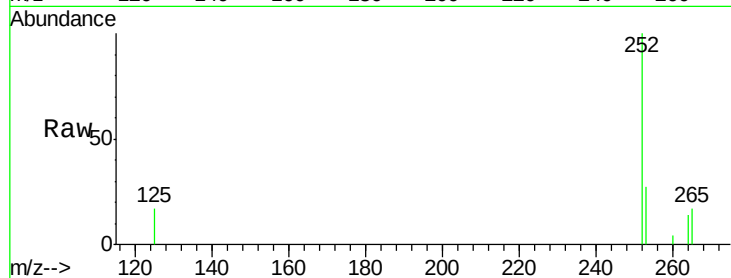
Tgt Ion:252 Resp: 14432

Ion Ratio Lower Upper

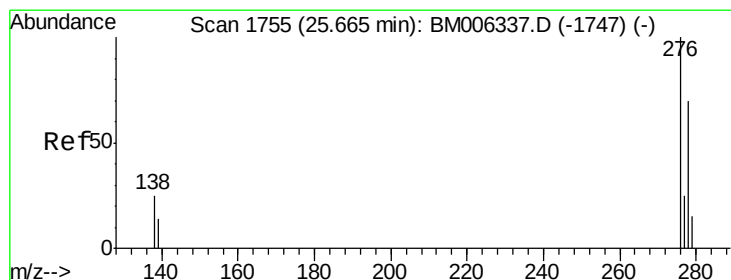
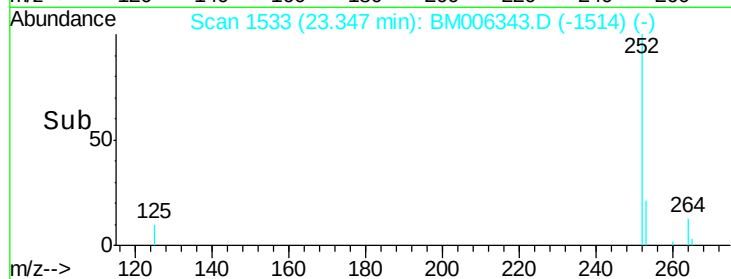
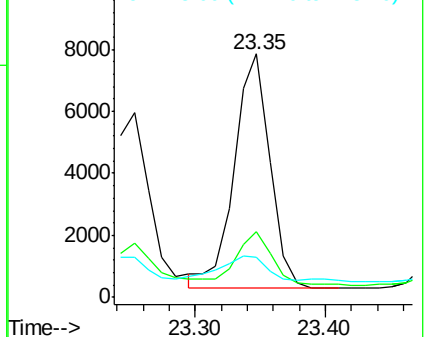
252 100

253 27.0 19.4 29.2

125 16.6 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: 0.19 ng/ul

RT: 25.65 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BM006343.D

Acq: 08 Jul 2016 06:08

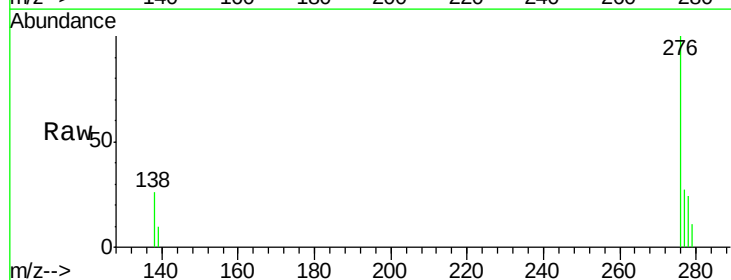
Tgt Ion:276 Resp: 10181

Ion Ratio Lower Upper

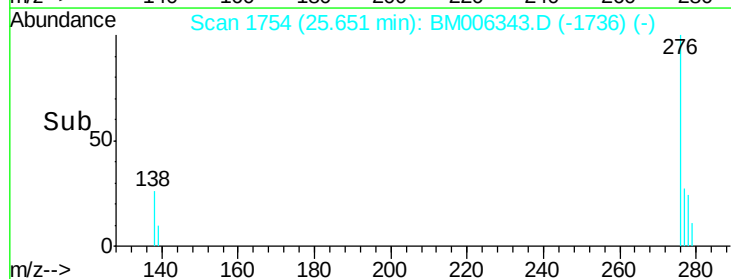
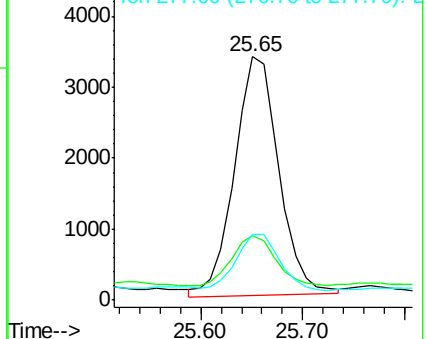
276 100

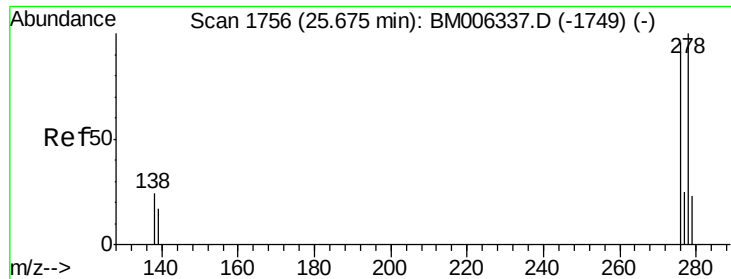
138 30.3 16.3 24.5#

277 28.7 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

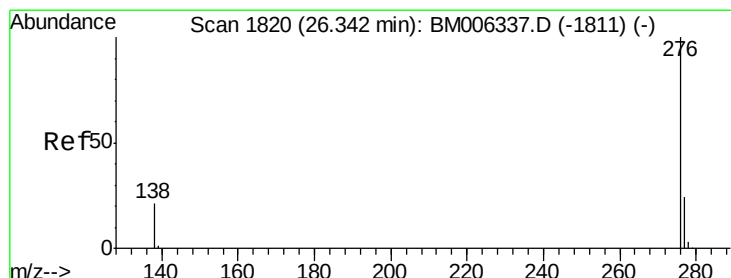
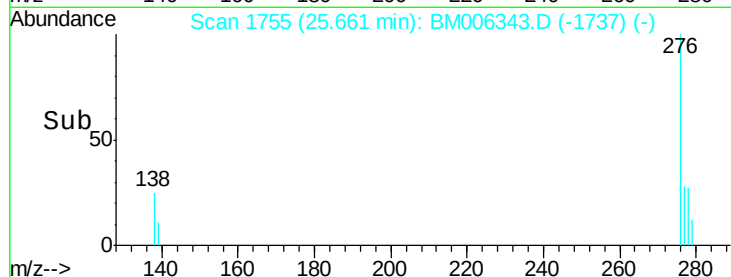
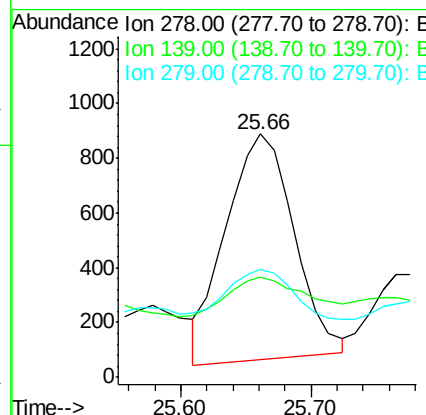
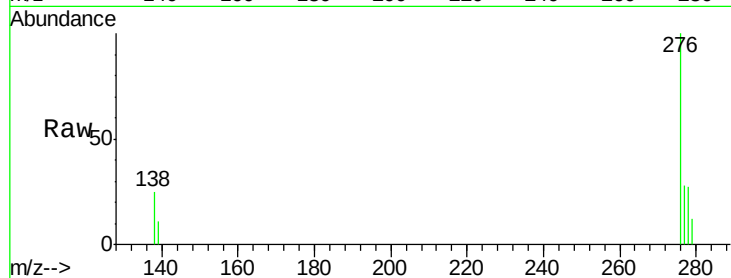




#27
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 25.66 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BM006343.D
Acq: 08 Jul 2016 06:08

Instrument :
BNA_M
ClientSampleId :
A4TW5DL

Tgt Ion: 278 Resp: 3012
Ion Ratio Lower Upper
278 100
139 41.1 16.4 24.6#
279 44.2 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.17 ng/ul
RT: 26.33 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BM006343.D
Acq: 08 Jul 2016 06:08

Tgt Ion: 276 Resp: 7854
Ion Ratio Lower Upper
276 100
277 27.1 18.9 28.3
138 28.7 22.5 33.7

