

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006342.D
 Acq On : 08 Jul 2016 05:32
 Operator : UM/SJ
 Sample : H3811-10DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV8DL

Quant Time: Jul 08 08:22:58 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

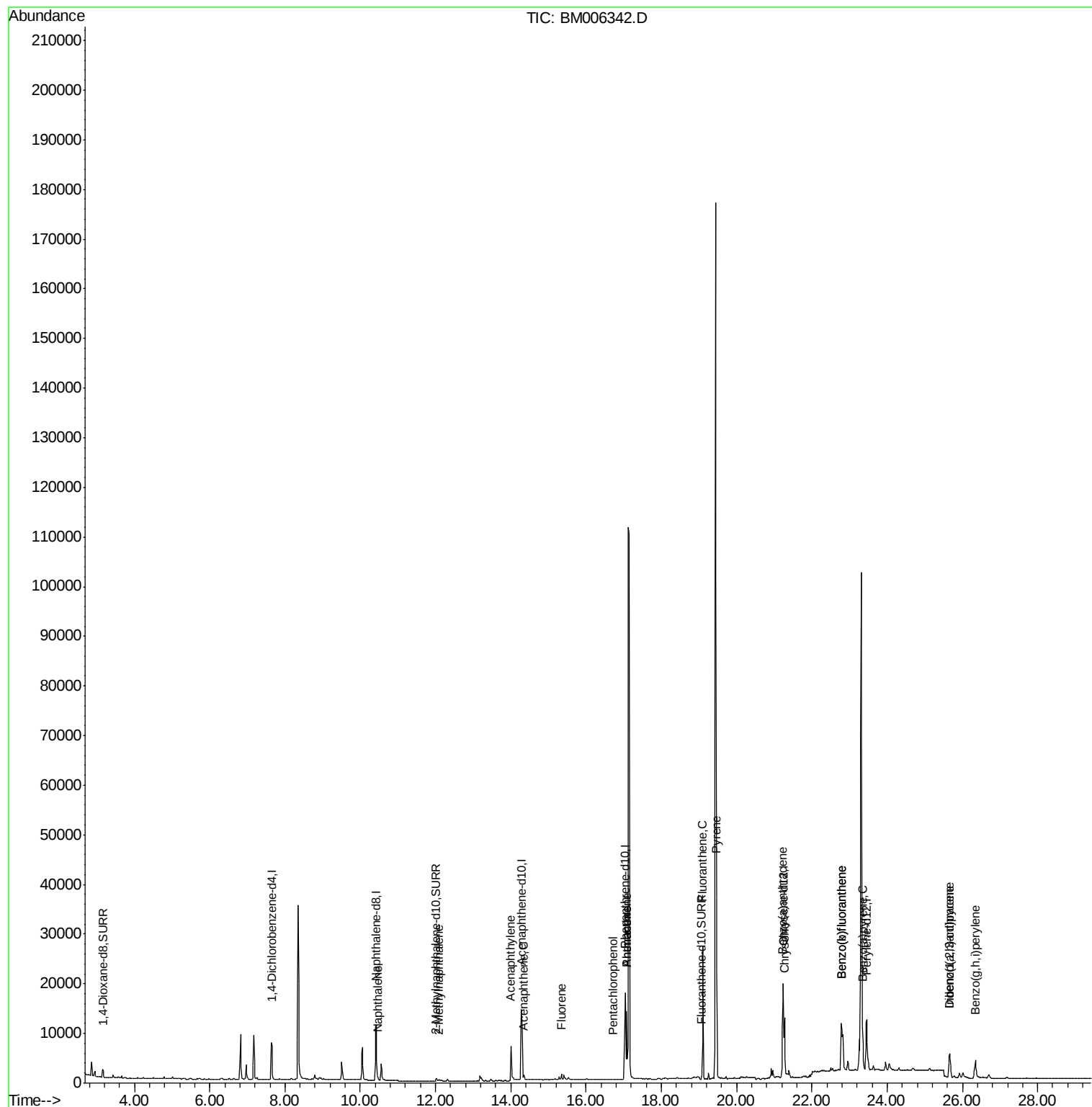
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4718	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	18417	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.28	164	10502	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.04	188	23106	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	15673	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	13941	0.40	ng/ul	0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	1310	0.66	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	984	0.05	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	3208	0.07	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.46	128	654	0.02	ng/ul#	62
7) 2-Methylnaphthalene	12.09	142	327	0.01	ng/ul	100
9) Acenaphthylene	14.01	152	1432	0.04	ng/ul#	92
10) Acenaphthene	14.35	153	635	0.02	ng/ul#	90
11) Fluorene	15.34	166	816	0.02	ng/ul#	81
13) Pentachlorophenol	16.71	266	26	0.01	ng/ul#	78
14) Phenanthrene	17.07	178	15041	0.24	ng/ul#	93
15) Anthracene	17.07	178	15041	0.25	ng/ul	96
17) Fluoranthene	19.10	202	29849	0.42	ng/ul	97
19) Pyrene	19.46	202	27377	0.42	ng/ul	98
20) Benzo(a)anthracene	21.22	228	13056	0.26	ng/ul#	90
21) Chrysene	21.28	228	12752	0.26	ng/ul	94
23) Benzo(b)fluoranthene	22.79	252	21657	0.43	ng/ul	88
24) Benzo(k)fluoranthene	22.79	252	21657	0.47	ng/ul#	90
25) Benzo(a)pyrene	23.35	252	11497	0.25	ng/ul#	92
26) Indeno(1,2,3-cd)pyrene	25.66	276	8875	0.17	ng/ul#	84
27) Dibenzo(a,h)anthracene	25.66	278	1942	0.05	ng/ul#	50
28) Benzo(g,h,i)perylene	26.34	276	7943	0.18	ng/ul	96

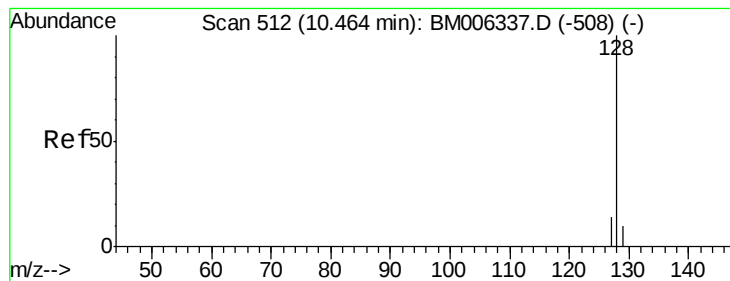
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM006342.D

Acq: 08 Jul 2016 05:32

Instrument :

BNA_M

ClientSampleId :

A4TV8DL

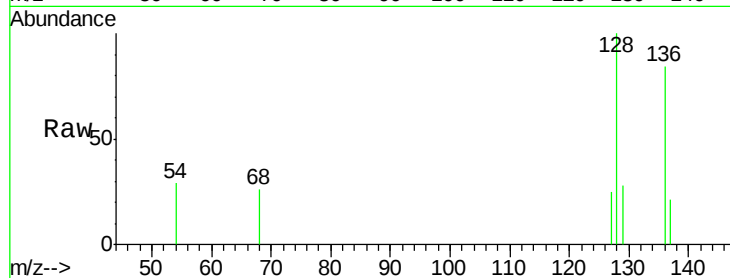
Tgt Ion:128 Resp: 654

Ion Ratio Lower Upper

128 100

129 27.5 9.0 13.6#

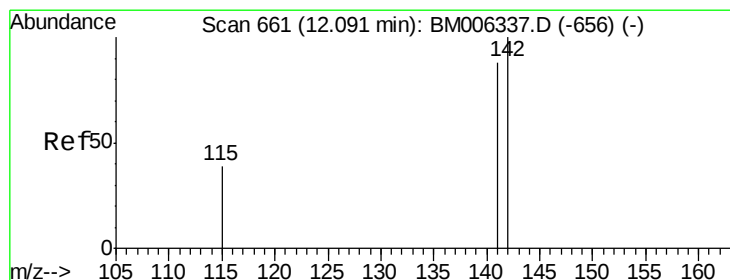
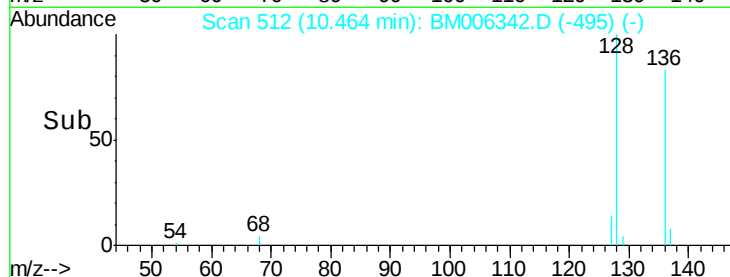
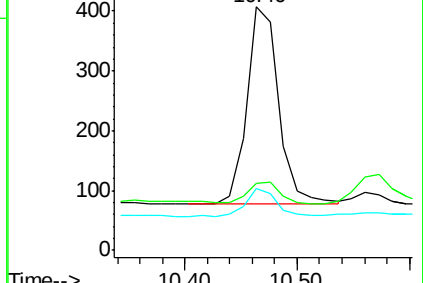
127 25.3 9.6 14.4#



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: BM006342.D

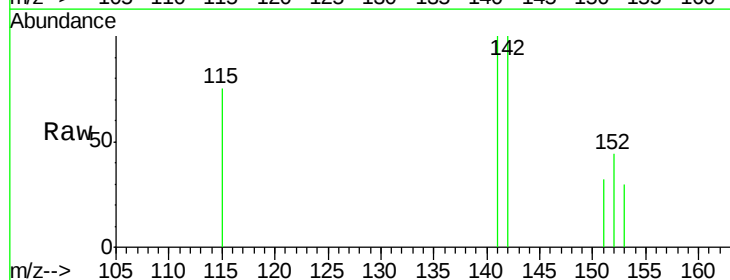
Acq: 08 Jul 2016 05:32

Tgt Ion:142 Resp: 327

Ion Ratio Lower Upper

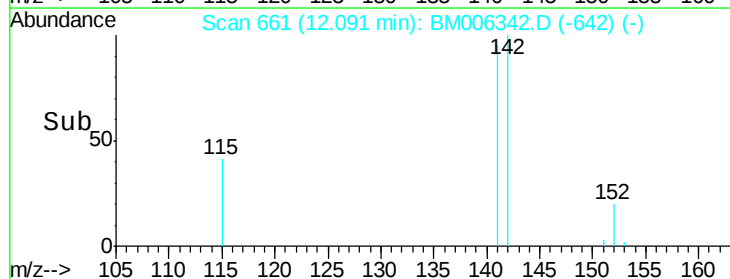
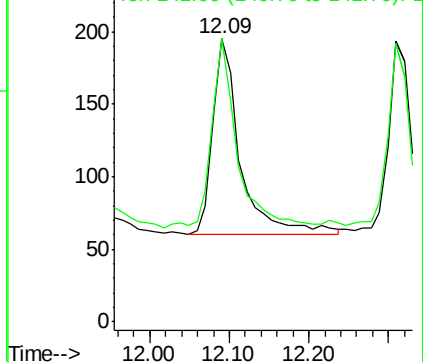
142 100

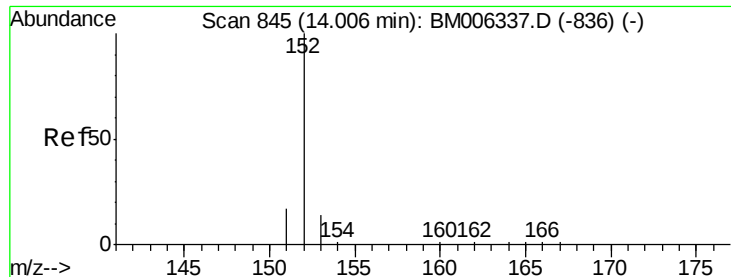
141 87.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

Instrument :

BNA_M

ClientSampleId :

A4TV8DL

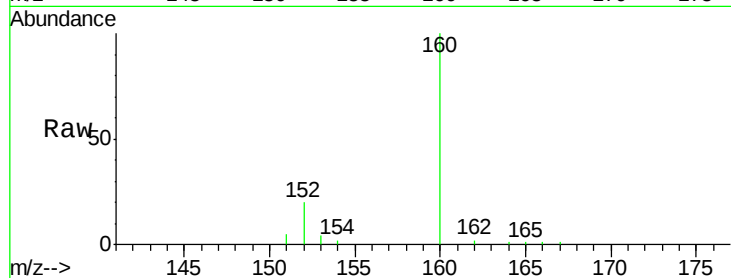
Tgt Ion:152 Resp: 1432

Ion Ratio Lower Upper

152 100

151 22.8 17.6 26.4

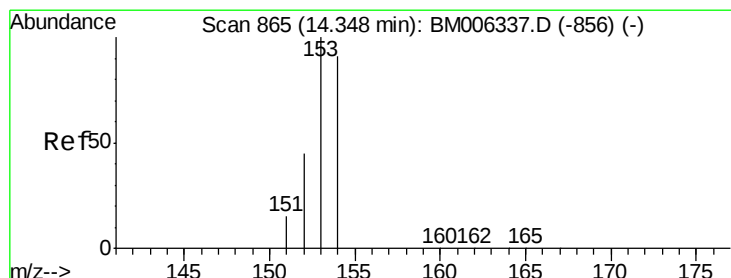
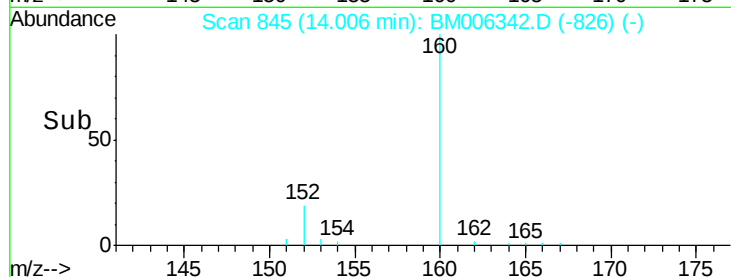
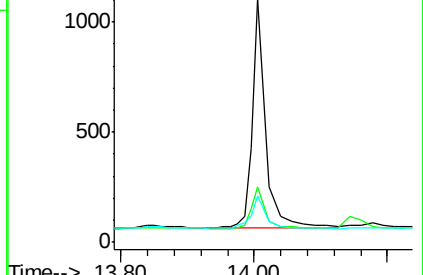
153 19.2 9.7 14.5#



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: BM006342.D

Acq: 08 Jul 2016 05:32

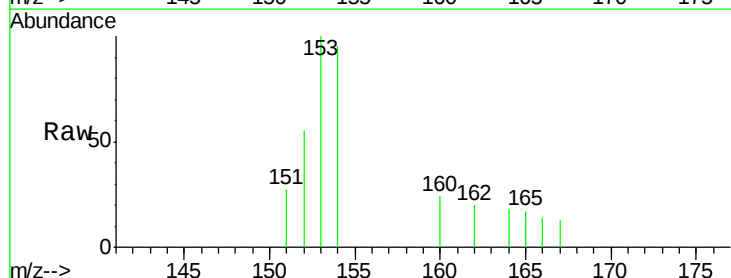
Tgt Ion:153 Resp: 635

Ion Ratio Lower Upper

153 100

152 55.1 33.9 50.9#

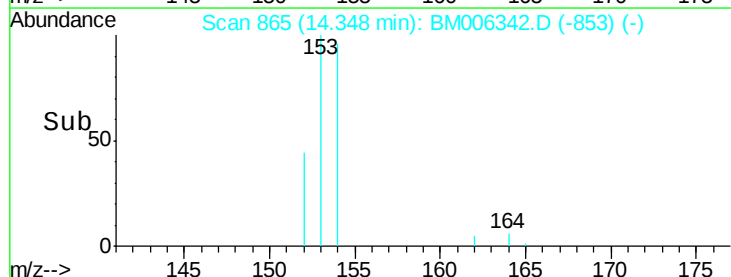
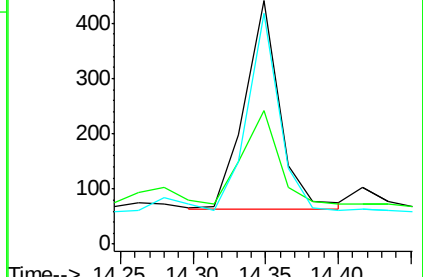
154 94.6 80.6 121.0

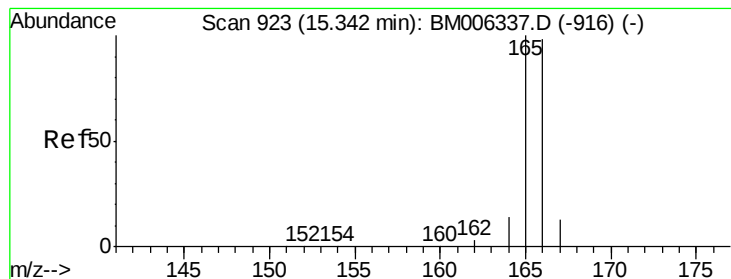


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.02 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. 0.00 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

Instrument :

BNA_M

ClientSampleId :

A4TV8DL

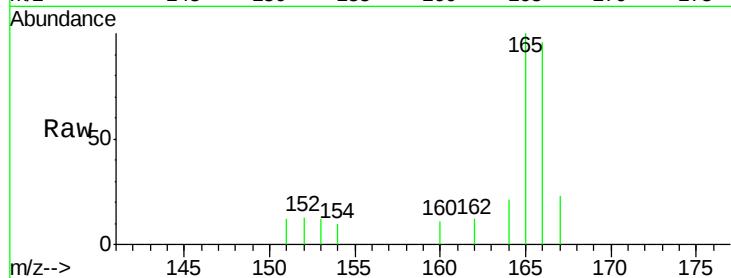
Tgt Ion:166 Resp: 816

Ion Ratio Lower Upper

166 100

165 104.5 69.6 104.4#

167 24.1 11.9 17.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.34

600

400

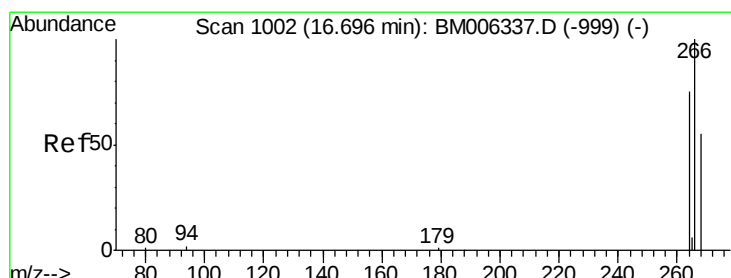
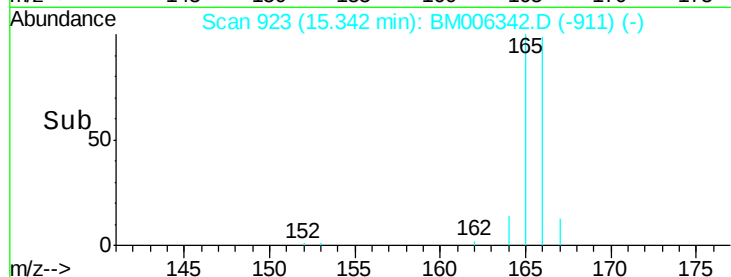
200

0

15.30

15.40

Time-->



#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.71 min Scan# 1003

Delta R.T. 0.02 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

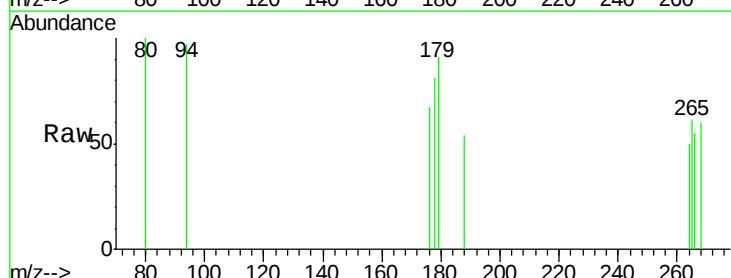
Tgt Ion:266 Resp: 26

Ion Ratio Lower Upper

266 100

264 38.5 51.8 77.8#

268 65.4 46.8 70.2



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

16.71

80

60

40

20

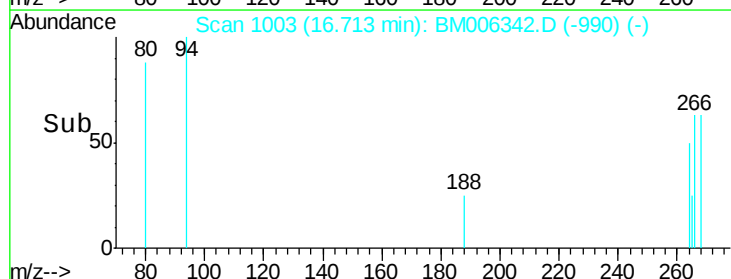
0

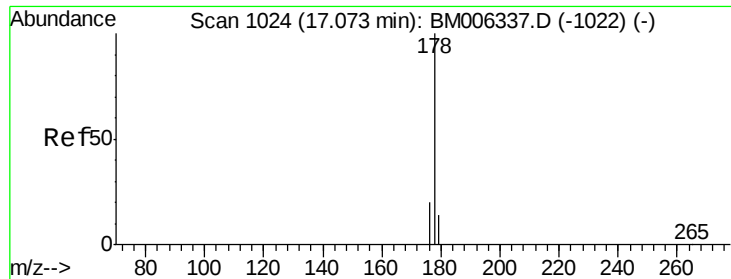
16.60

16.70

16.80

Time-->





#14

Phenanthrene

Concen: 0.24 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

Instrument :

BNA_M

ClientSampleId :

A4TV8DL

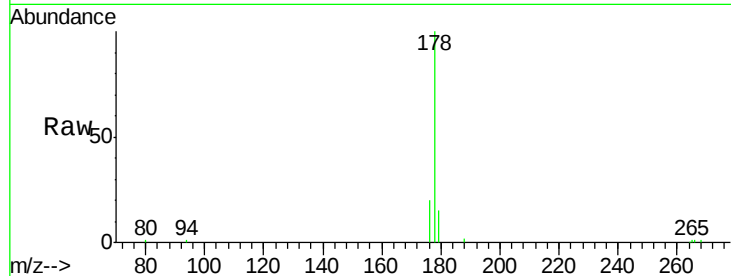
Tgt Ion:178 Resp: 15041

Ion Ratio Lower Upper

178 100

176 20.2 13.0 19.4#

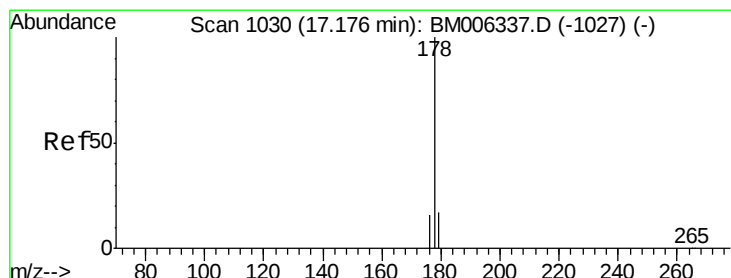
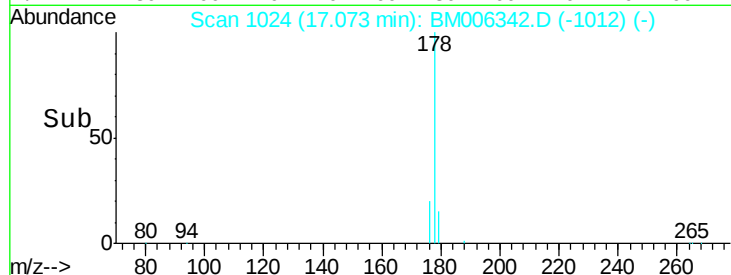
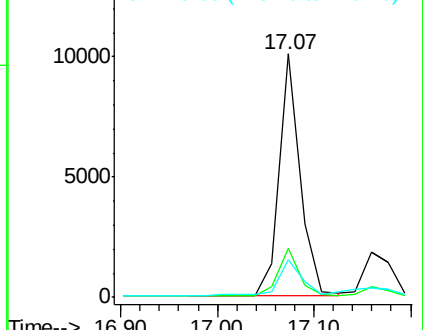
179 15.5 14.2 21.2



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



#15

Anthracene

Concen: 0.25 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.10 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

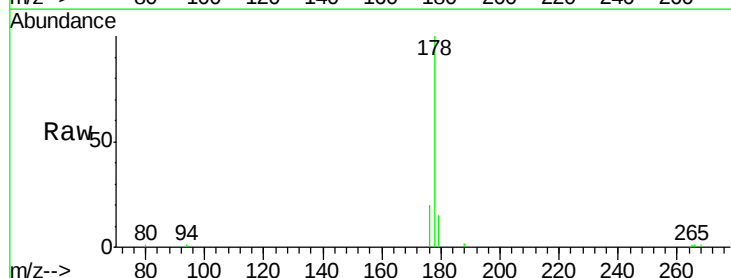
Tgt Ion:178 Resp: 15041

Ion Ratio Lower Upper

178 100

176 20.2 14.0 21.0

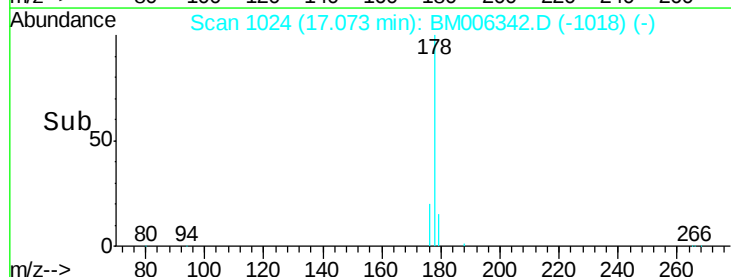
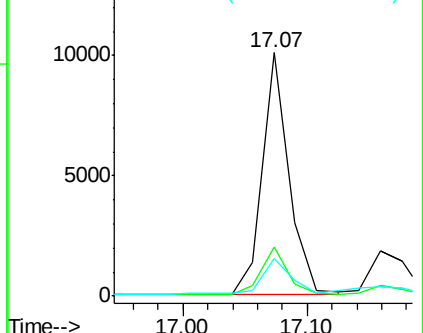
179 15.5 12.9 19.3

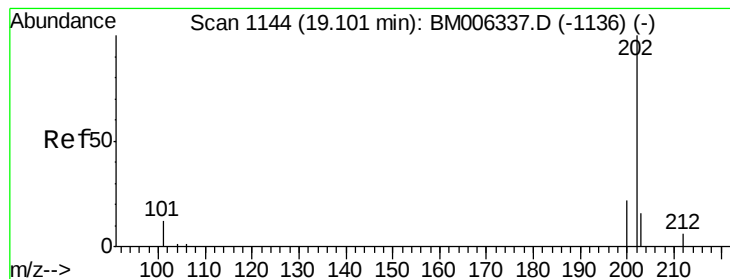


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.42 ng/ul

RT: 19.10 min Scan# 1144

Delta R.T. 0.00 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

Instrument :

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ClientSampleId :

A4TV8DL

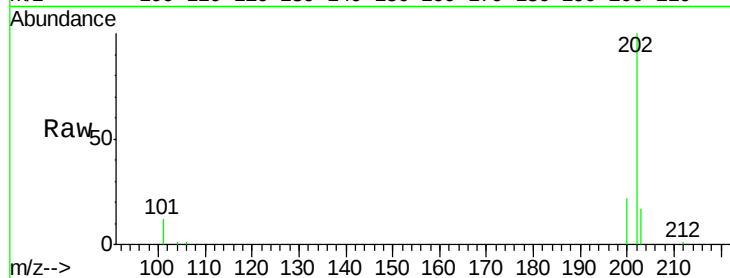
Tgt Ion:202 Resp: 29849

Ion Ratio Lower Upper

202 100

101 12.2 0.0 29.6

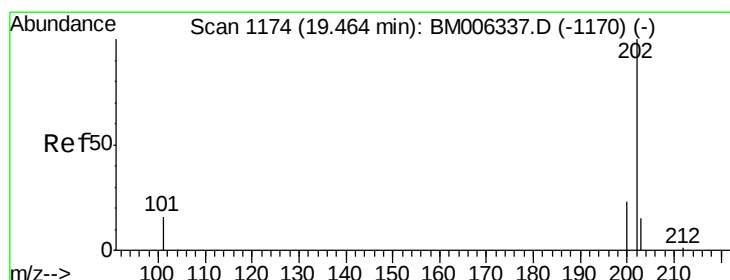
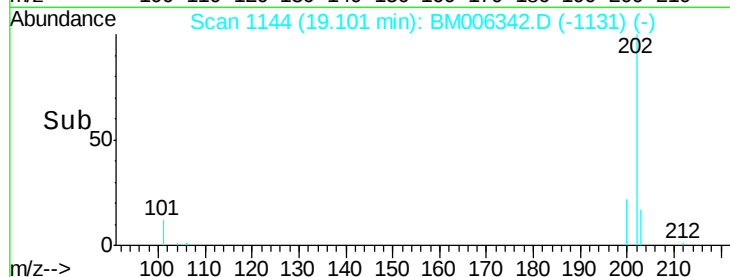
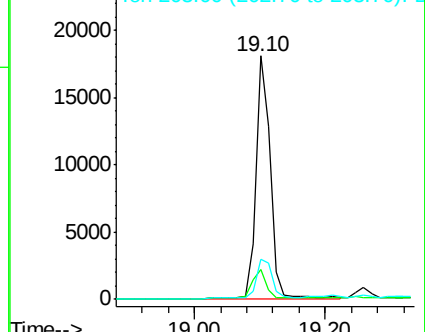
203 16.6 0.0 36.3



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: 0.42 ng/ul

RT: 19.46 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

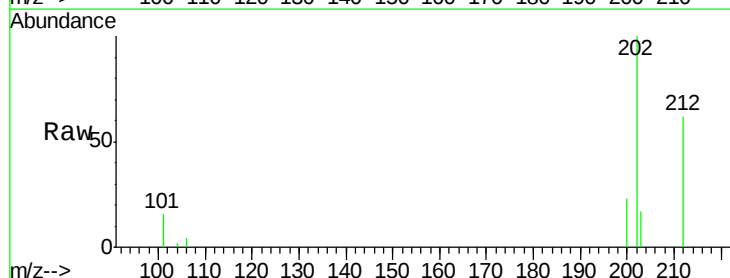
Tgt Ion:202 Resp: 27377

Ion Ratio Lower Upper

202 100

200 23.2 17.8 26.8

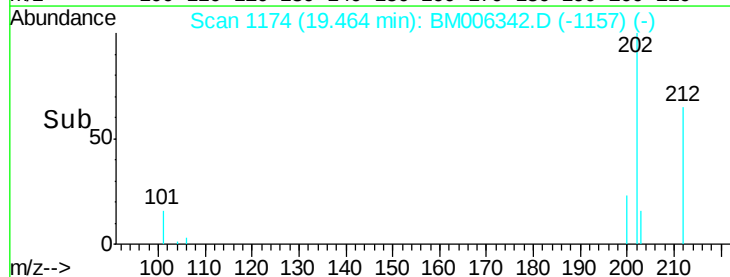
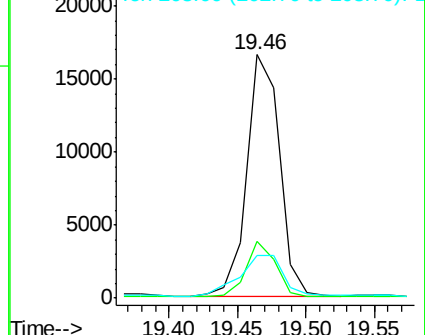
203 17.3 12.8 19.2

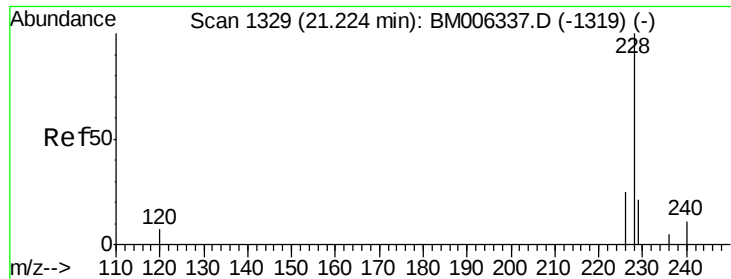


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.26 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

Instrument :

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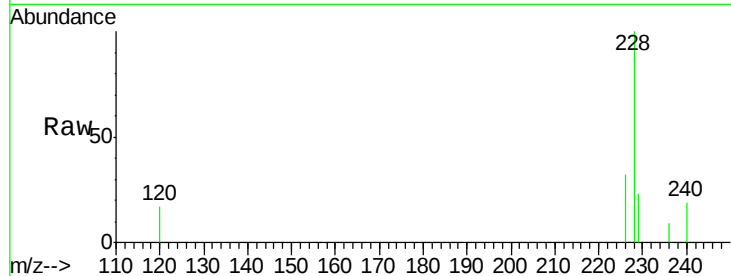
Tgt Ion:228 Resp: 13056

Ion Ratio Lower Upper

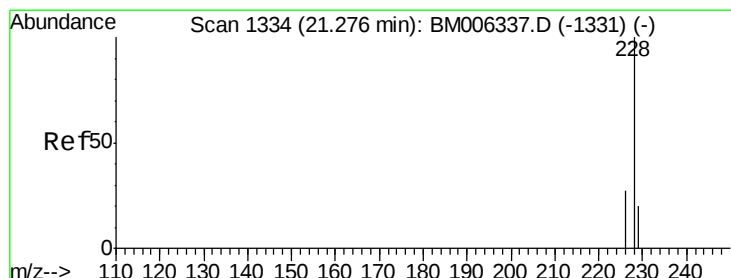
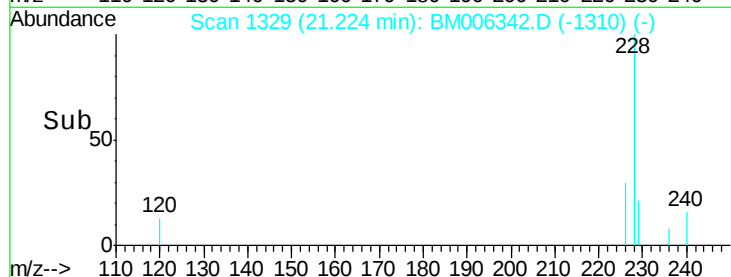
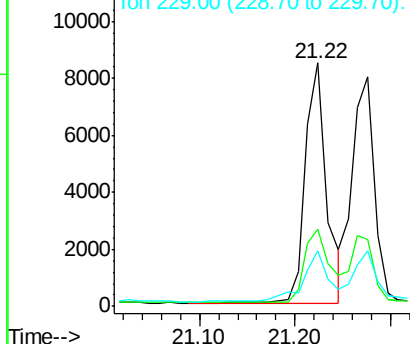
228 100

226 31.6 18.8 28.2#

229 23.0 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: 0.26 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

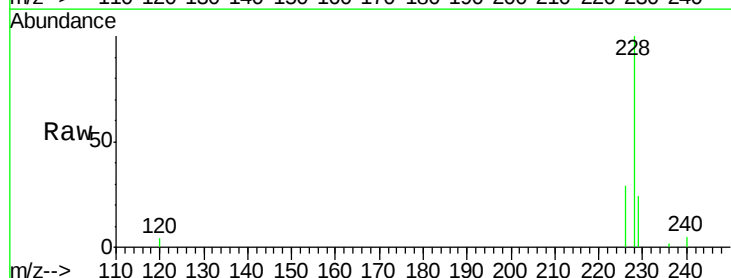
Tgt Ion:228 Resp: 12752

Ion Ratio Lower Upper

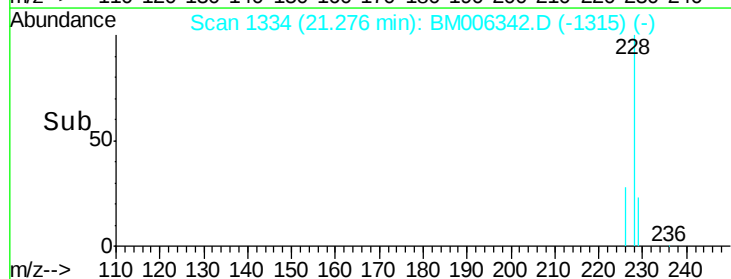
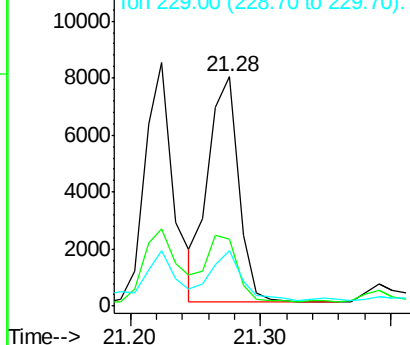
228 100

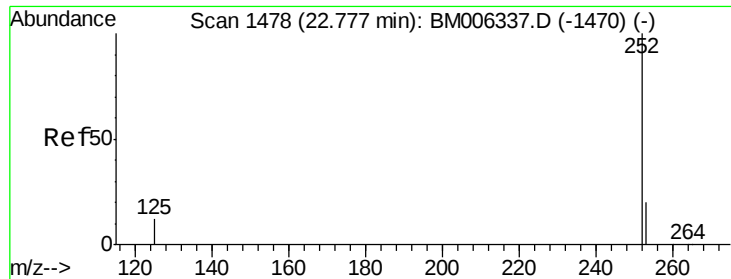
226 29.3 21.2 31.8

229 24.4 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: 0.43 ng/ul

RT: 22.79 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

Instrument :

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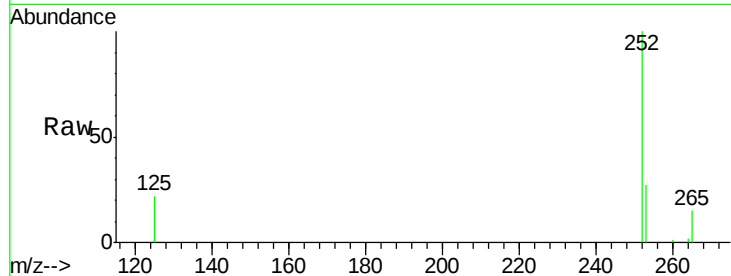
Tgt Ion:252 Resp: 21657

Ion Ratio Lower Upper

252 100

253 26.8 0.0 45.4

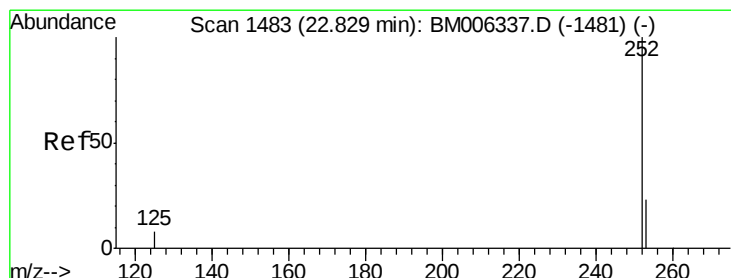
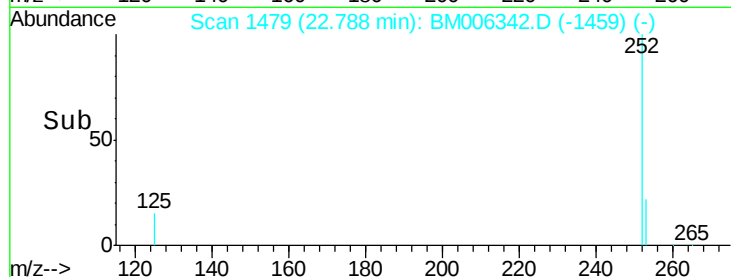
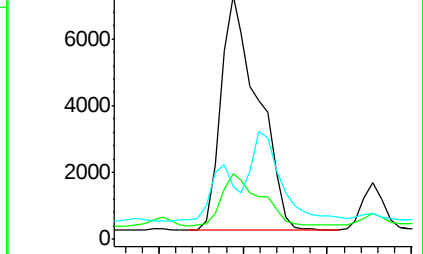
125 21.7 0.0 28.8



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: 0.47 ng/ul

RT: 22.79 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

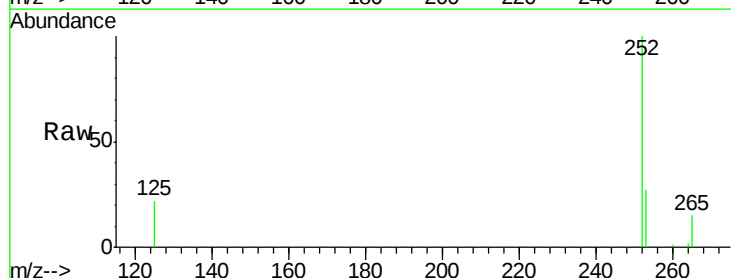
Tgt Ion:252 Resp: 21657

Ion Ratio Lower Upper

252 100

253 26.8 19.8 29.8

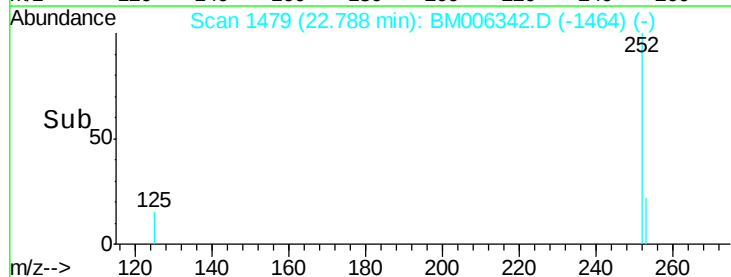
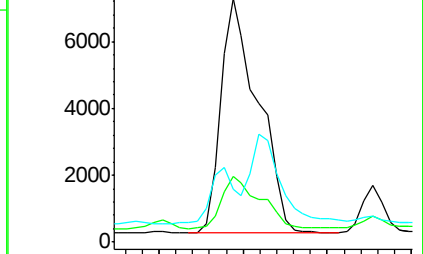
125 21.7 10.4 15.6#

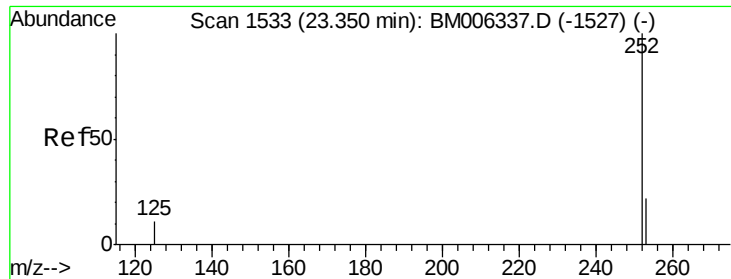


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.25 ng/ul

RT: 23.35 min Scan# 1533

Delta R.T. 0.00 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

Instrument :

BNA_M

ClientSampleId :

A4TV8DL

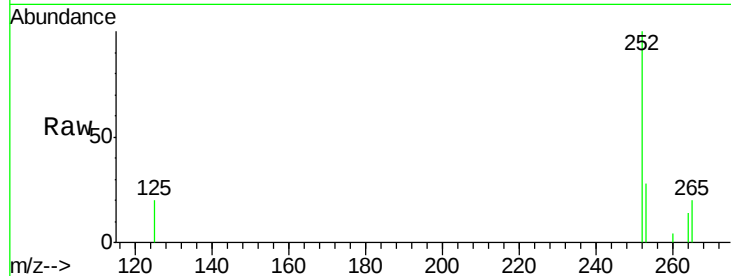
Tgt Ion:252 Resp: 11497

Ion Ratio Lower Upper

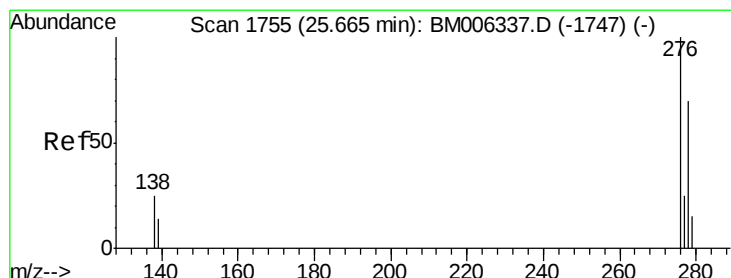
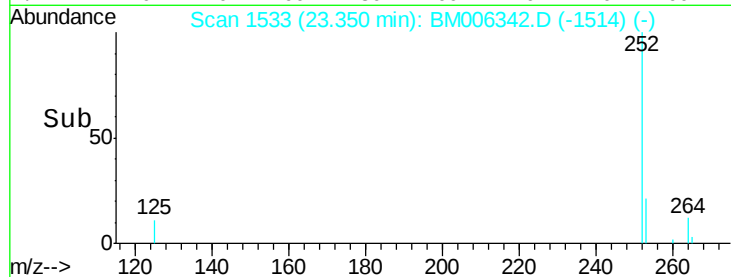
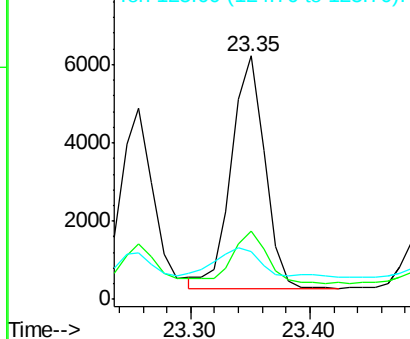
252 100

253 28.0 19.4 29.2

125 19.5 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: 0.17 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

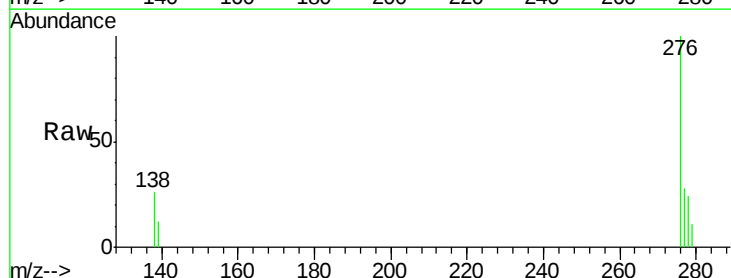
Tgt Ion:276 Resp: 8875

Ion Ratio Lower Upper

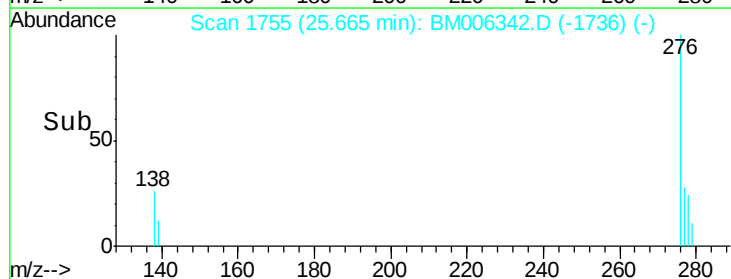
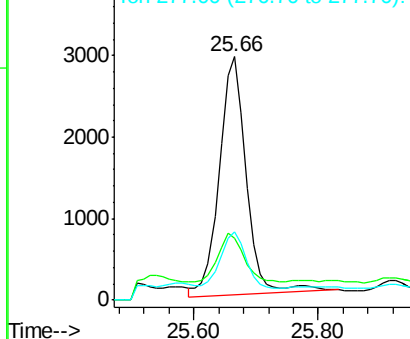
276 100

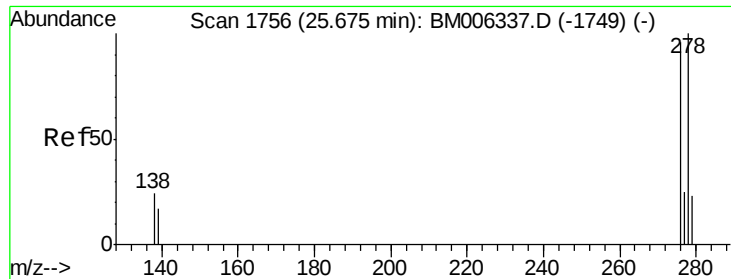
138 31.7 16.3 24.5#

277 29.0 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: 0.05 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

Instrument :

BNA_M

ClientSampleId :

A4TV8DL

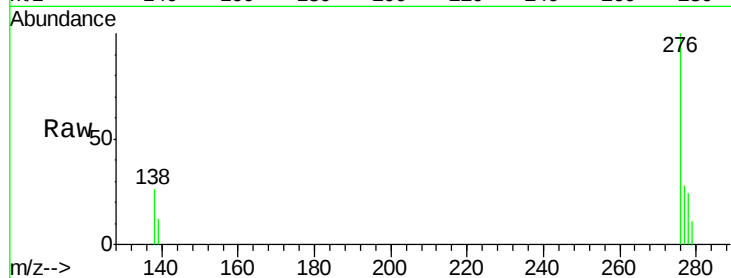
Tgt Ion:278 Resp: 1942

Ion Ratio Lower Upper

278 100

139 48.0 16.4 24.6#

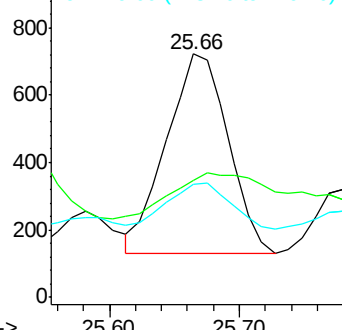
279 46.6 20.2 30.2#



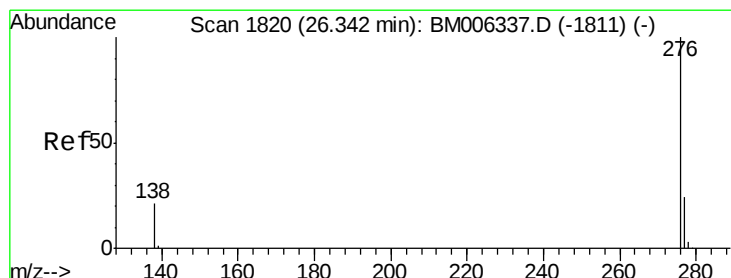
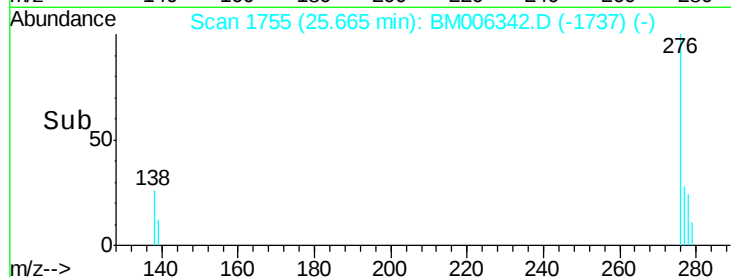
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#28

Benzo(g,h,i)perylene

Concen: 0.18 ng/ul

RT: 26.34 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BM006342.D

Acq: 08 Jul 2016 05:32

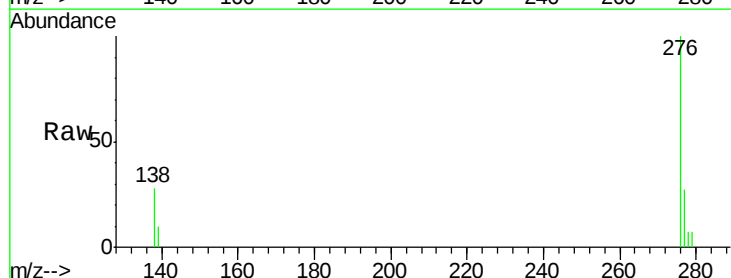
Tgt Ion:276 Resp: 7943

Ion Ratio Lower Upper

276 100

277 27.4 18.9 28.3

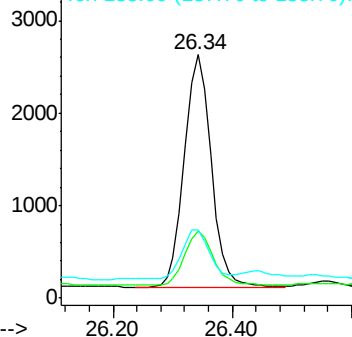
138 28.0 22.5 33.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time-->

