

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006338.D
 Acq On : 08 Jul 2016 03:07
 Operator : UM/SJ
 Sample : H3811-14DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW2DL

Quant Time: Jul 08 08:22:18 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	6737	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	26802	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	15186	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.04	188	36009	0.40	ng/ul	0.00
18) Chrysene-d12	21.23	240	28344	0.40	ng/ul	-0.01
22) Perylene-d12	23.44	264	25741	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	1623	0.57	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	1152	0.04	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	3844	0.05	ng/ul	0.00

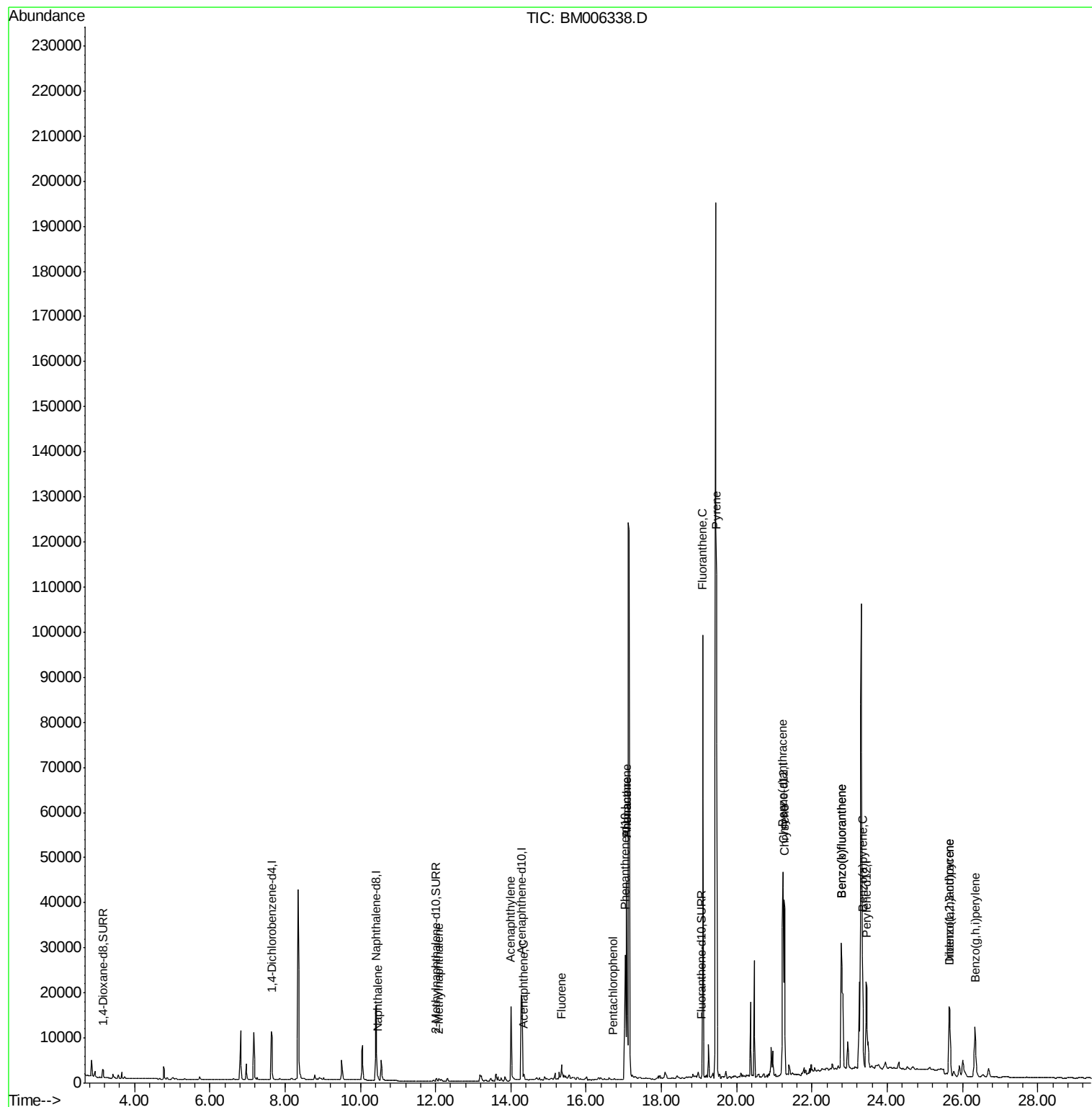
Target Compounds				Qvalue		
5) Naphthalene	10.46	128	1033	0.02	ng/ul#	72
7) 2-Methylnaphthalene	12.09	142	521	0.01	ng/ul	98
9) Acenaphthylene	14.01	152	9687	0.19	ng/ul#	93
10) Acenaphthene	14.35	153	896	0.02	ng/ul#	88
11) Fluorene	15.34	166	2682	0.05	ng/ul#	81
13) Pentachlorophenol	16.71	266	35	0.01	ng/ul#	84
14) Phenanthrene	17.07	178	48988	0.49	ng/ul#	92
15) Anthracene	17.07	178	48967	0.53	ng/ul	96
17) Fluoranthene	19.10	202	105324	0.96	ng/ul	98
19) Pyrene	19.46	202	102555	0.86	ng/ul	99
20) Benzo(a)anthracene	21.22	228	39773	0.43	ng/ul#	86
21) Chrysene	21.27	228	41991	0.47	ng/ul#	91
23) Benzo(b)fluoranthene	22.79	252	65227	0.71	ng/ul	97
24) Benzo(k)fluoranthene	22.79	252	65227	0.76	ng/ul	99
25) Benzo(a)pyrene	23.35	252	34476	0.40	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.65	276	27026	0.28	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.66	278	6682	0.09	ng/ul#	79
28) Benzo(g,h,i)perylene	26.33	276	23451	0.29	ng/ul	95

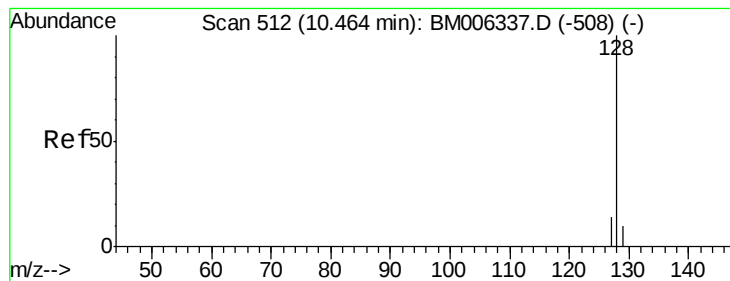
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM006338.D

Acq: 08 Jul 2016 03:07

Instrument :

BNA_M

ClientSampleId :

A4TW2DL

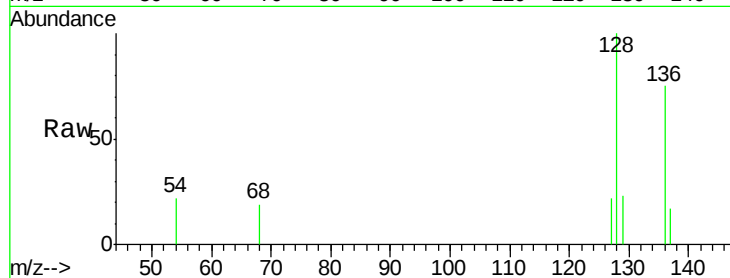
Tgt Ion:128 Resp: 1033

Ion Ratio Lower Upper

128 100

129 22.9 9.0 13.6#

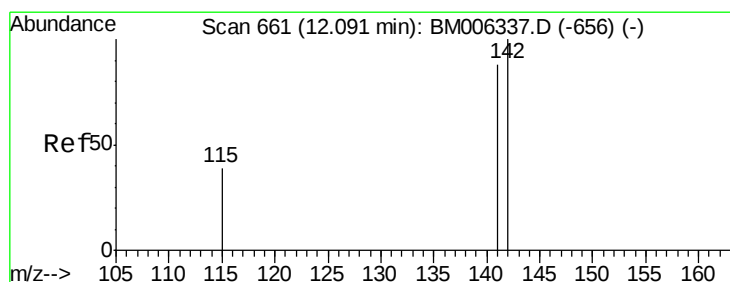
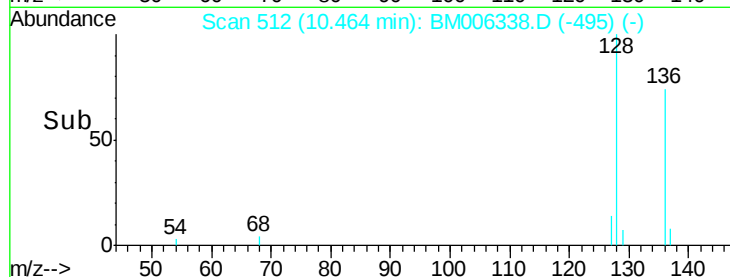
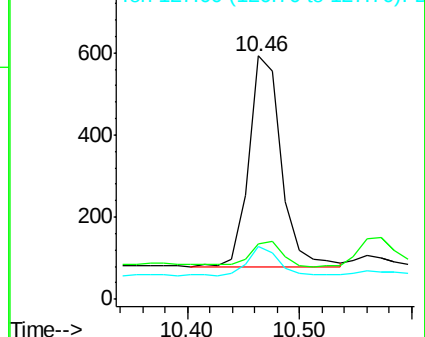
127 21.8 9.6 14.4#



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: BM006338.D

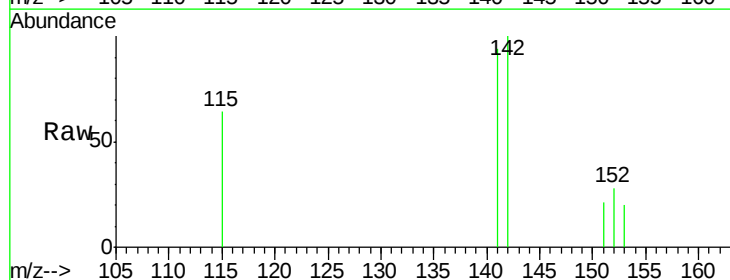
Acq: 08 Jul 2016 03:07

Tgt Ion:142 Resp: 521

Ion Ratio Lower Upper

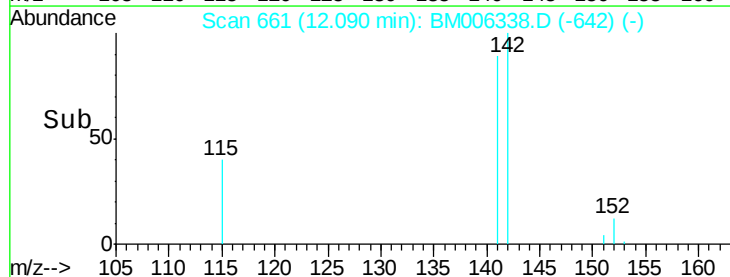
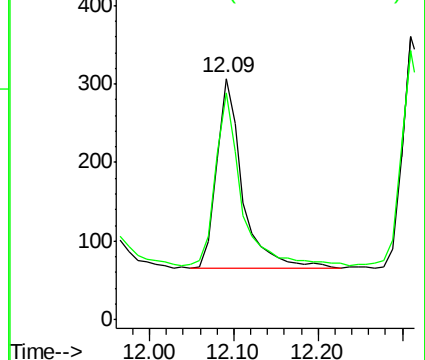
142 100

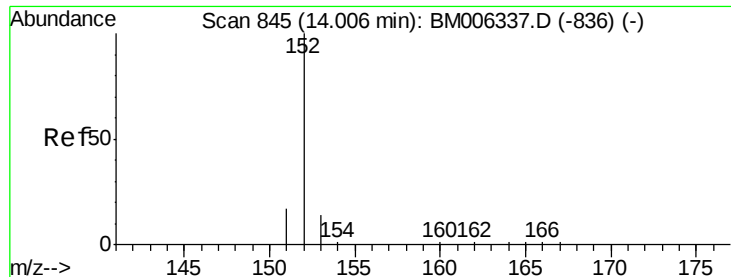
141 89.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.19 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006338.D

Acq: 08 Jul 2016 03:07

Instrument :

BNA_M

ClientSampleId :

A4TW2DL

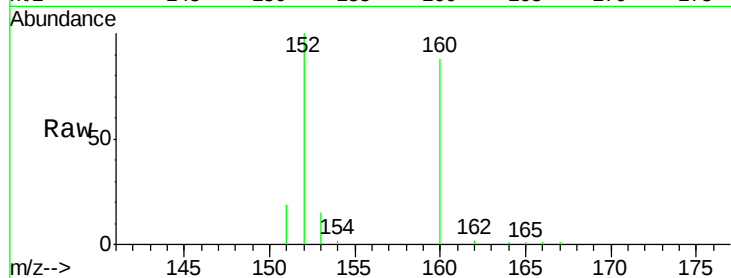
Tgt Ion:152 Resp: 9687

Ion Ratio Lower Upper

152 100

151 18.5 17.6 26.4

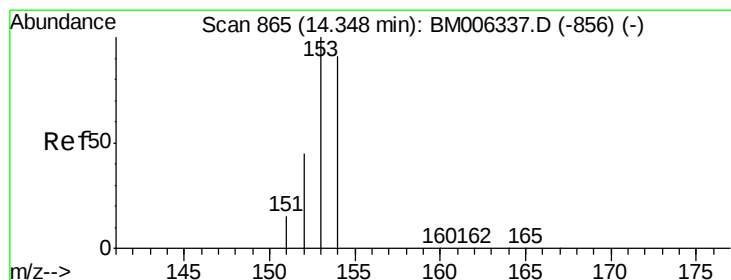
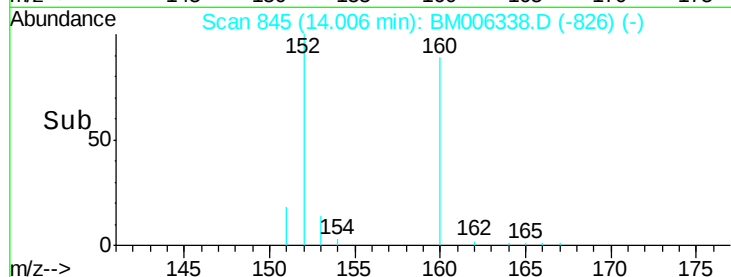
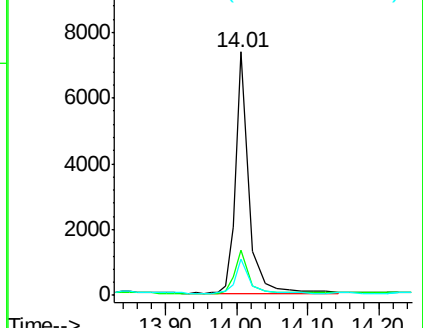
153 15.0 9.7 14.5#



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: BM006338.D

Acq: 08 Jul 2016 03:07

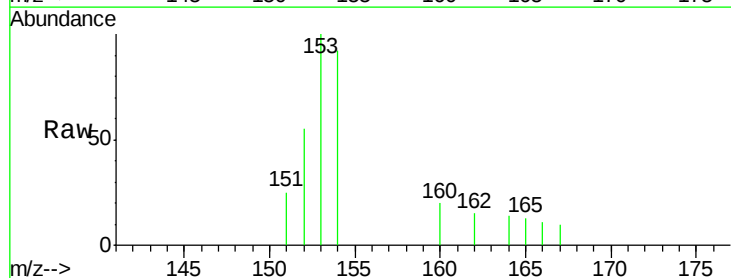
Tgt Ion:153 Resp: 896

Ion Ratio Lower Upper

153 100

152 54.7 33.9 50.9#

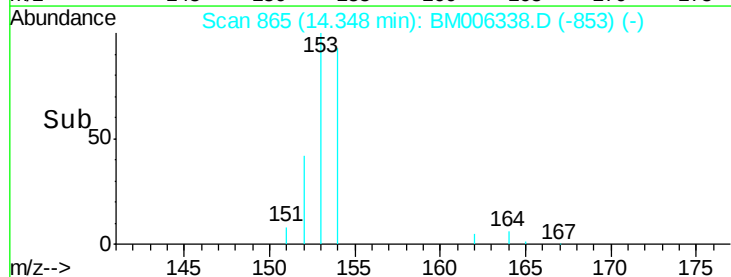
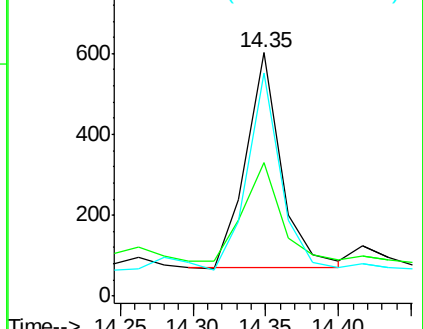
154 91.5 80.6 121.0

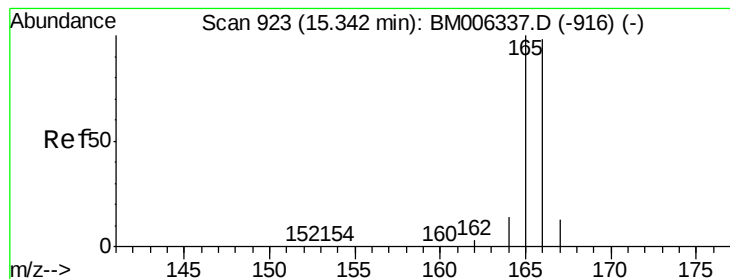


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.05 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.00 min

Lab File: BM006338.D

Acq: 08 Jul 2016 03:07

Instrument :

BNA_M

ClientSampleId :

A4TW2DL

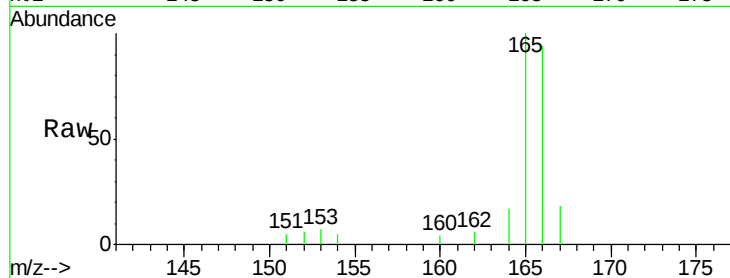
Tgt Ion:166 Resp: 2682

Ion Ratio Lower Upper

166 100

165 106.1 69.6 104.4#

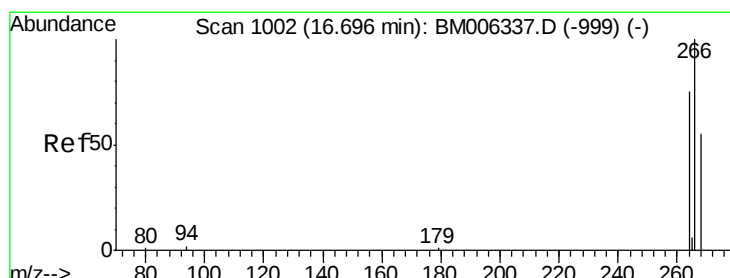
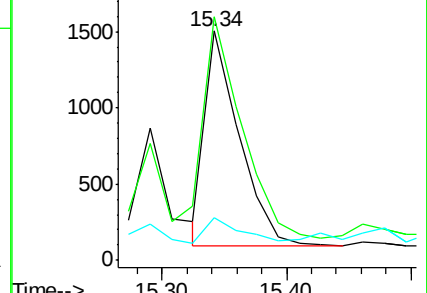
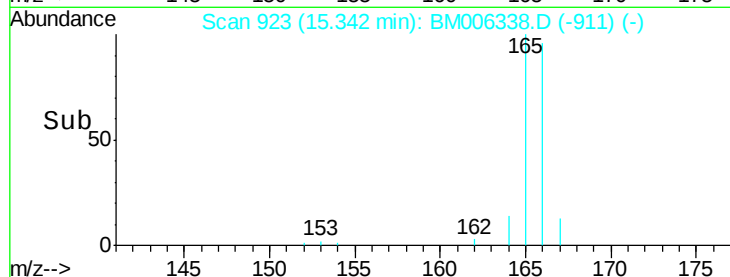
167 18.7 11.9 17.9#



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



#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.71 min Scan# 1003

Delta R.T. 0.02 min

Lab File: BM006338.D

Acq: 08 Jul 2016 03:07

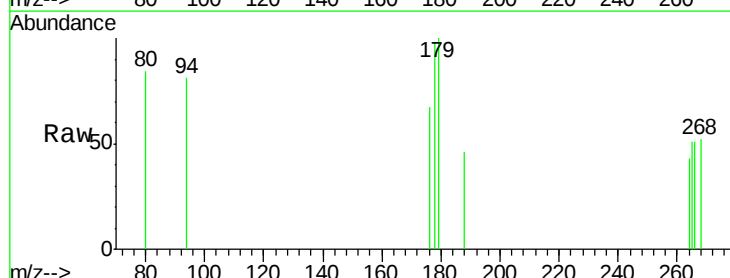
Tgt Ion:266 Resp: 35

Ion Ratio Lower Upper

266 100

264 74.3 51.8 77.8

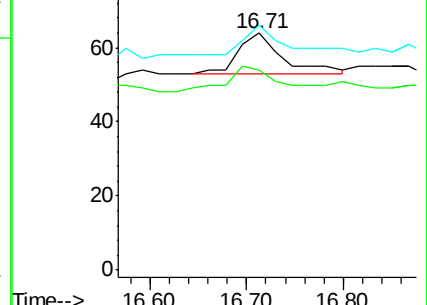
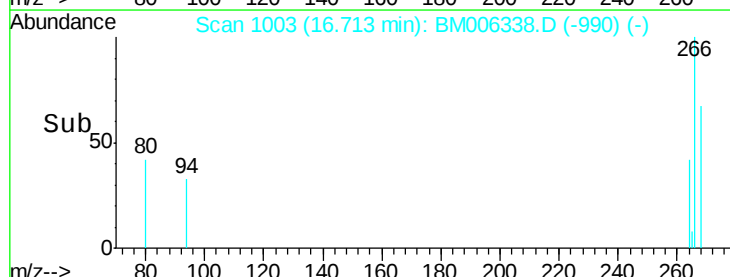
268 74.3 46.8 70.2#

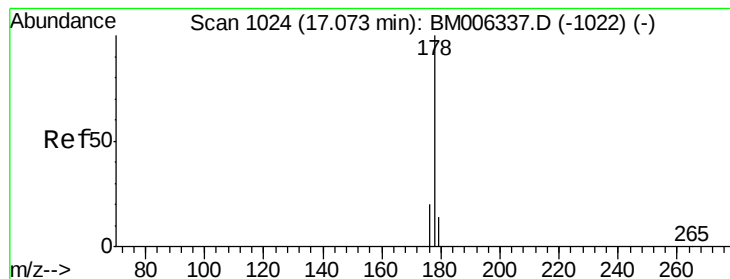


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.49 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BM006338.D

Acq: 08 Jul 2016 03:07

Instrument :

BNA_M

ClientSampleId :

A4TW2DL

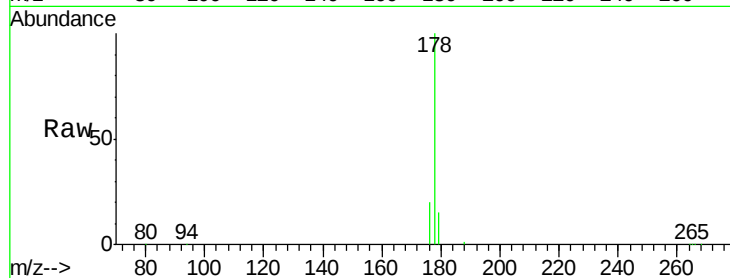
Tgt Ion:178 Resp: 48988

Ion Ratio Lower Upper

178 100

176 19.9 13.0 19.4#

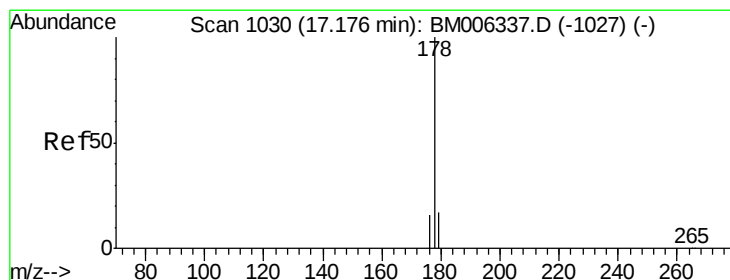
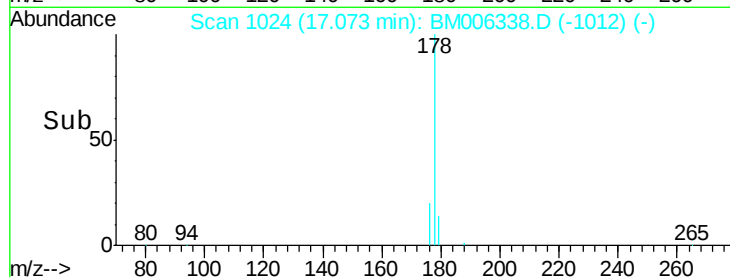
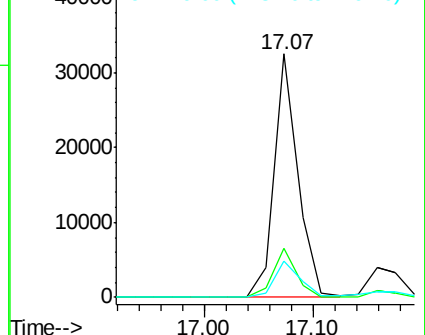
179 14.7 14.2 21.2



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: 0.53 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.10 min

Lab File: BM006338.D

Acq: 08 Jul 2016 03:07

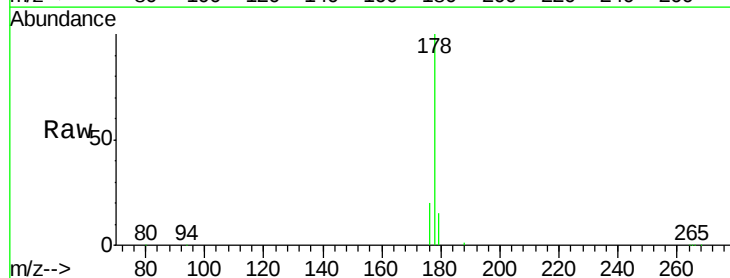
Tgt Ion:178 Resp: 48967

Ion Ratio Lower Upper

178 100

176 19.9 14.0 21.0

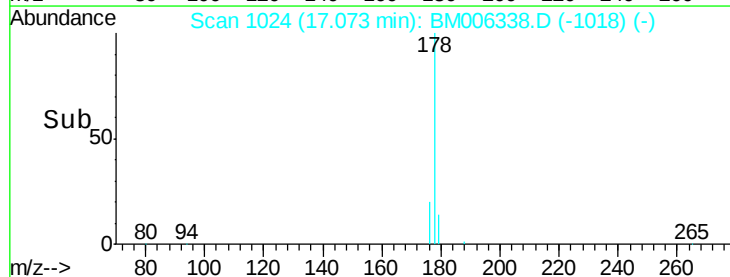
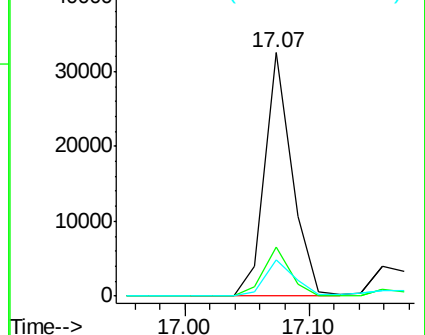
179 14.7 12.9 19.3

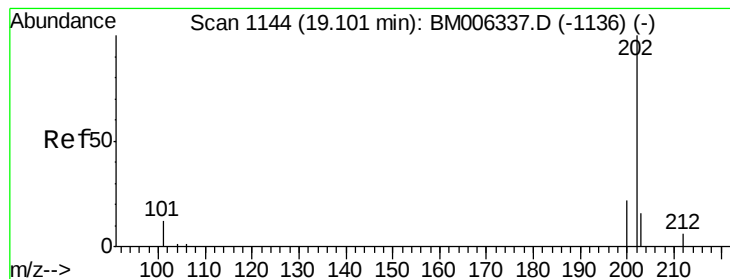


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.96 ng/ul

RT: 19.10 min Scan# 1144

Delta R.T. -0.00 min

Lab File: BM006338.D

Acq: 08 Jul 2016 03:07

Instrument :

BNA_M

ClientSampleId :

A4TW2DL

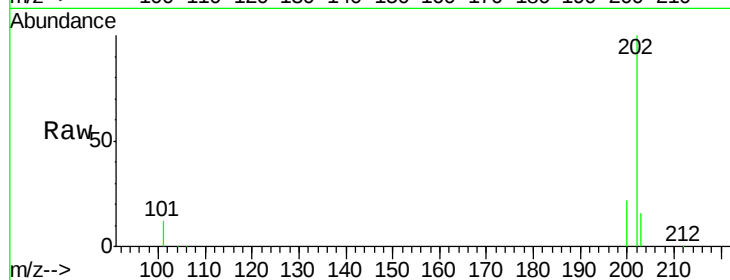
Tgt Ion:202 Resp: 105324

Ion Ratio Lower Upper

202 100

101 11.6 0.0 29.6

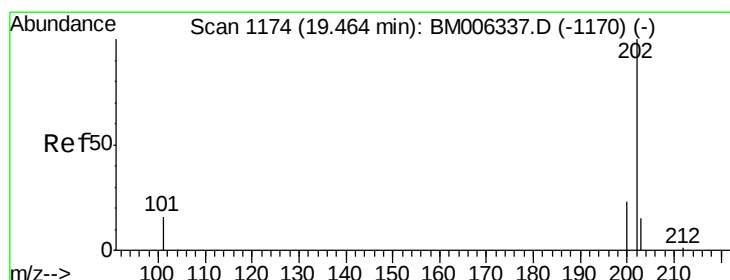
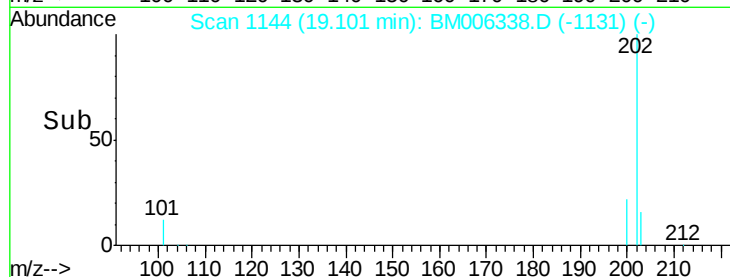
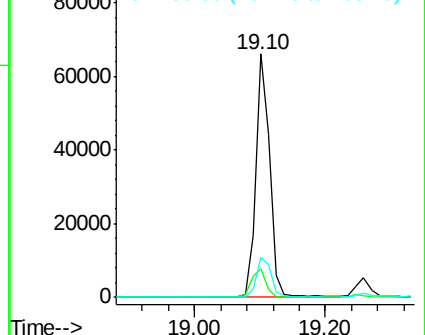
203 16.4 0.0 36.3



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: 0.86 ng/ul

RT: 19.46 min Scan# 1174

Delta R.T. -0.00 min

Lab File: BM006338.D

Acq: 08 Jul 2016 03:07

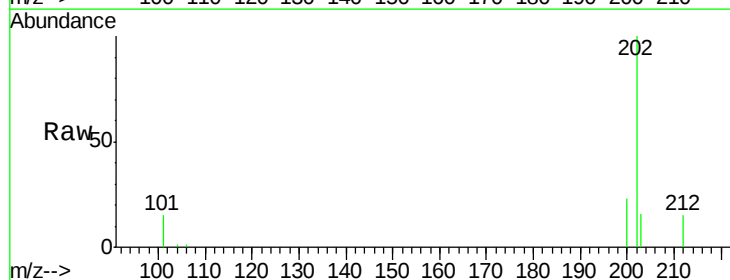
Tgt Ion:202 Resp: 102555

Ion Ratio Lower Upper

202 100

200 22.6 17.8 26.8

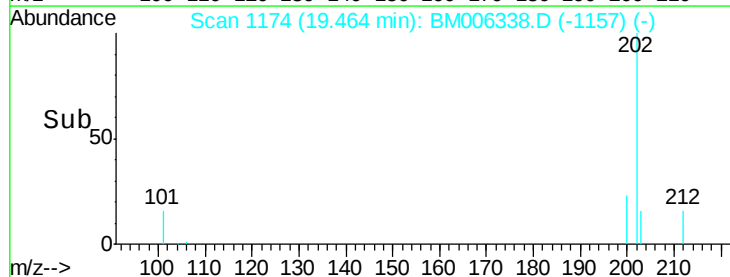
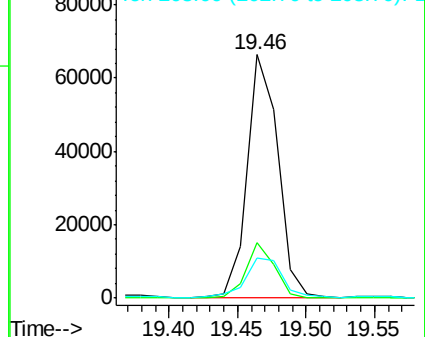
203 16.4 12.8 19.2

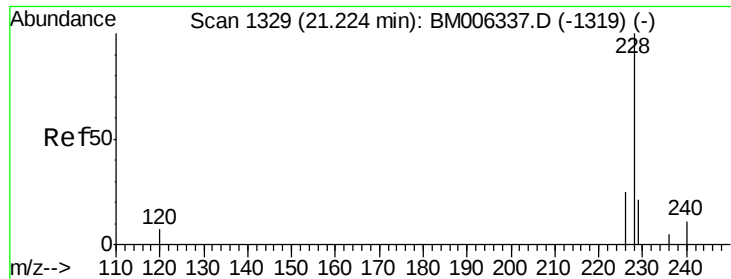


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.43 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM006338.D

Acq: 08 Jul 2016 03:07

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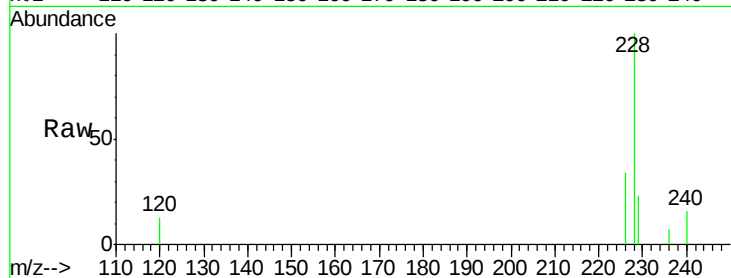
Tgt Ion:228 Resp: 39773

Ion Ratio Lower Upper

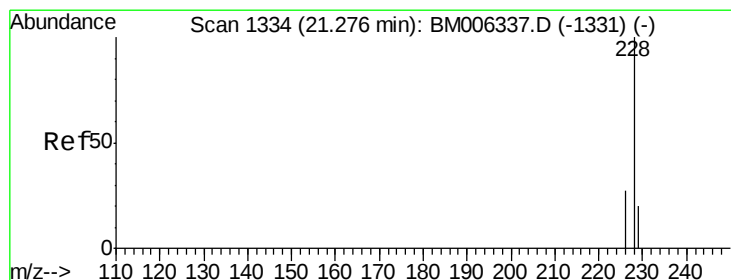
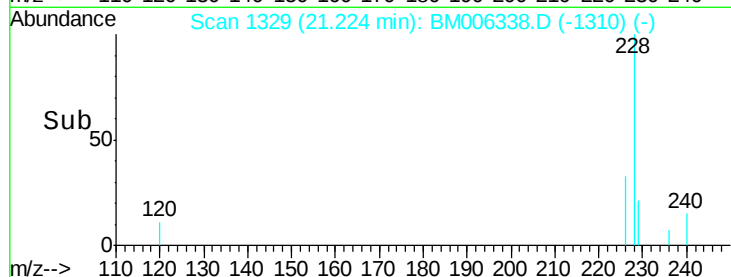
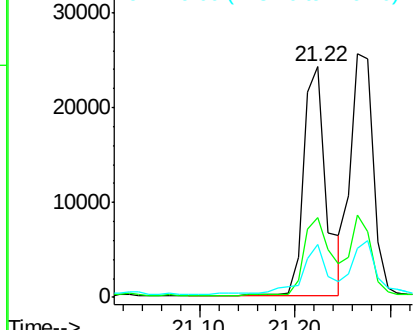
228 100

226 34.4 18.8 28.2#

229 23.2 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



#21

Chrysene

Concen: 0.47 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BM006338.D

Acq: 08 Jul 2016 03:07

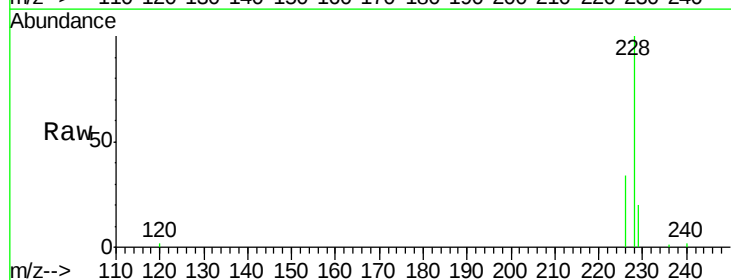
Tgt Ion:228 Resp: 41991

Ion Ratio Lower Upper

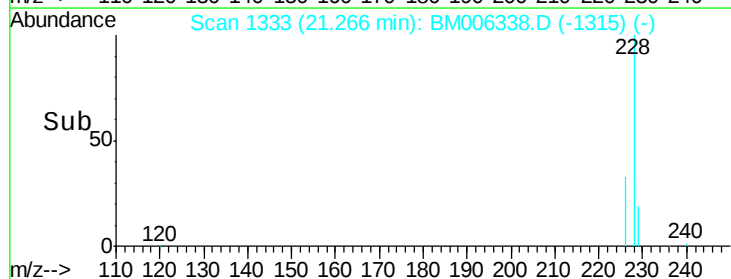
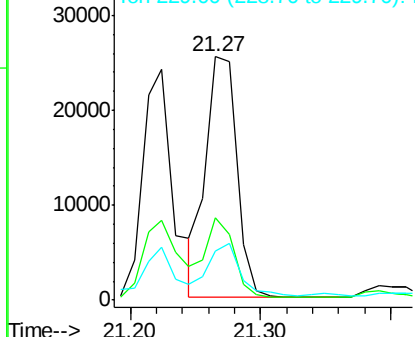
228 100

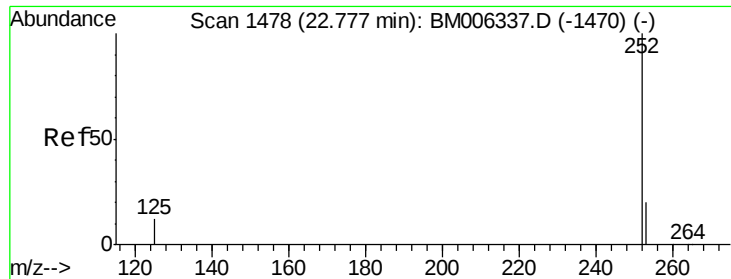
226 34.0 21.2 31.8#

229 20.0 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: 0.71 ng/ul

RT: 22.79 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BM006338.D

Acq: 08 Jul 2016 03:07

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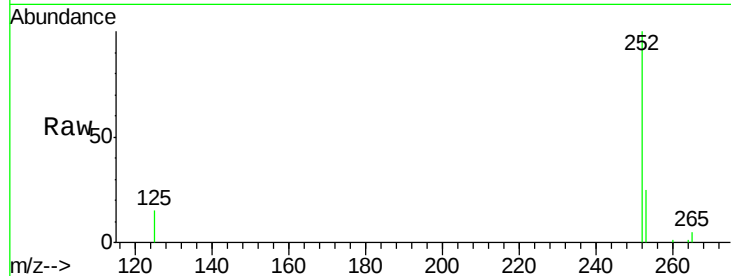
Tgt Ion:252 Resp: 65227

Ion Ratio Lower Upper

252 100

253 24.8 0.0 45.4

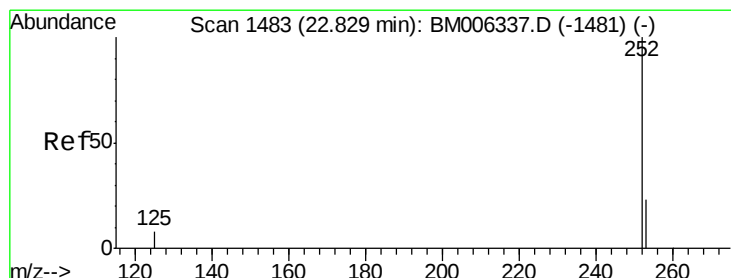
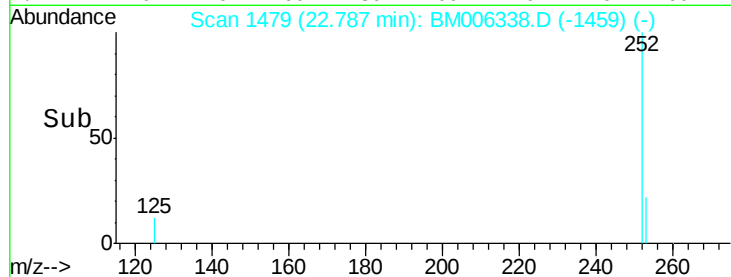
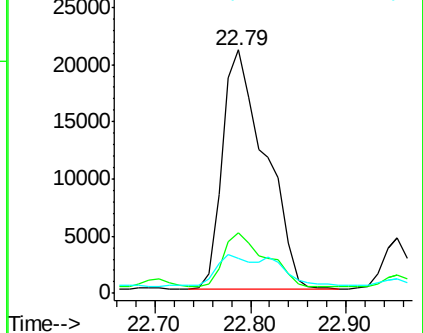
125 14.6 0.0 28.8



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: 0.76 ng/ul

RT: 22.79 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006338.D

Acq: 08 Jul 2016 03:07

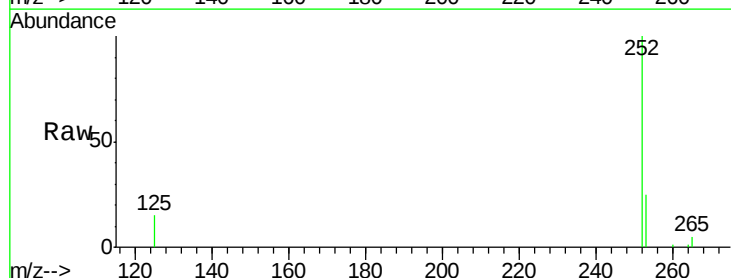
Tgt Ion:252 Resp: 65227

Ion Ratio Lower Upper

252 100

253 24.8 19.8 29.8

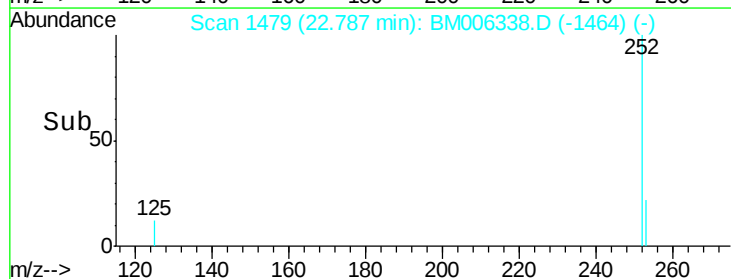
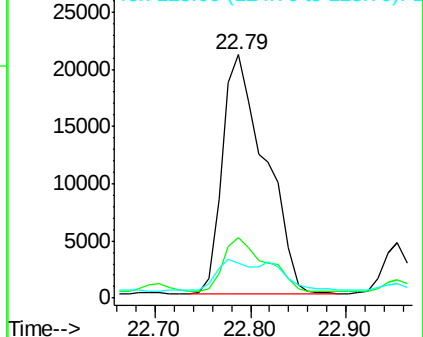
125 14.6 10.4 15.6

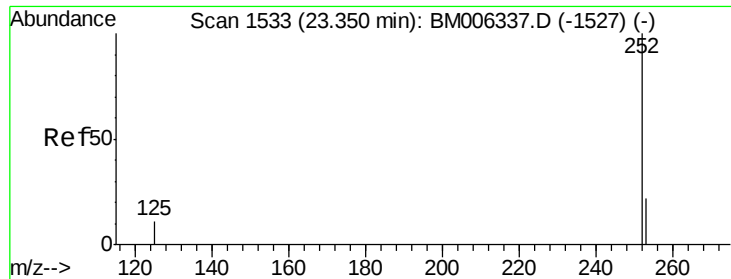


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.35 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BM006338.D

Acq: 08 Jul 2016 03:07

Instrument :

BNA_M

ClientSampleId :

A4TW2DL

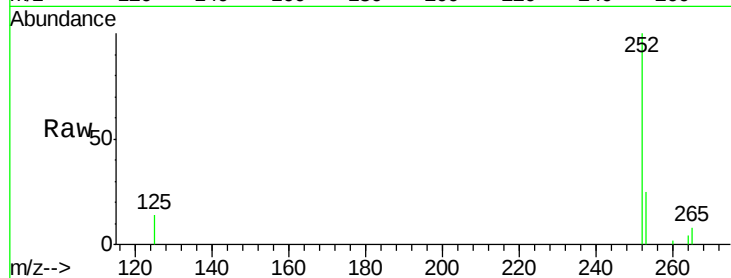
Tgt Ion:252 Resp: 34476

Ion Ratio Lower Upper

252 100

253 24.9 19.4 29.2

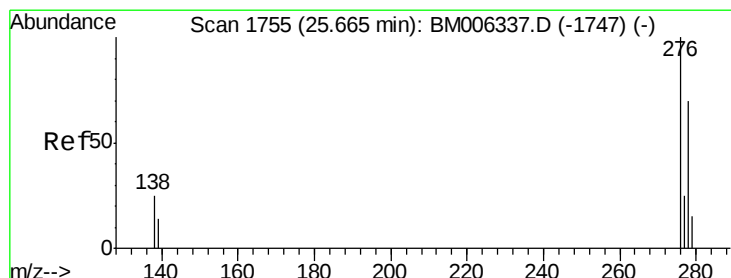
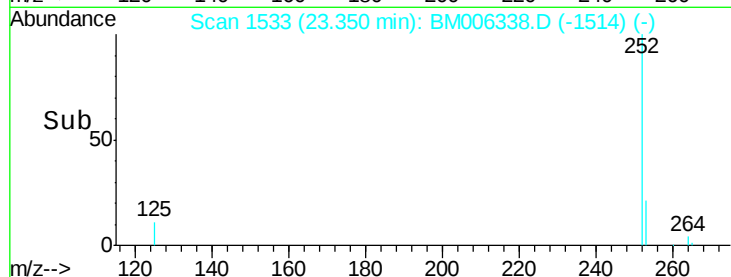
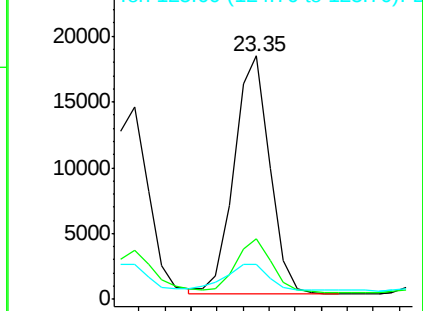
125 14.3 12.7 19.1



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: 0.28 ng/ul

RT: 25.65 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BM006338.D

Acq: 08 Jul 2016 03:07

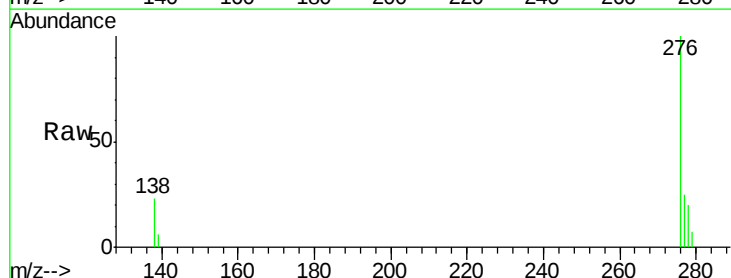
Tgt Ion:276 Resp: 27026

Ion Ratio Lower Upper

276 100

138 25.6 16.3 24.5#

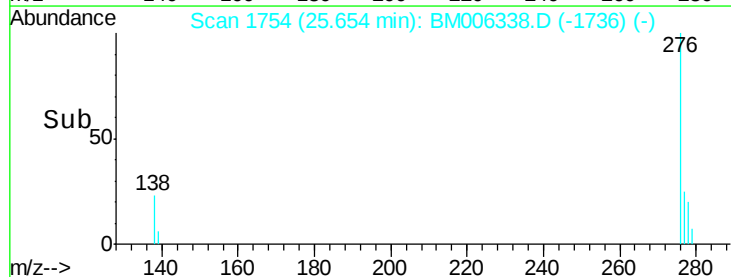
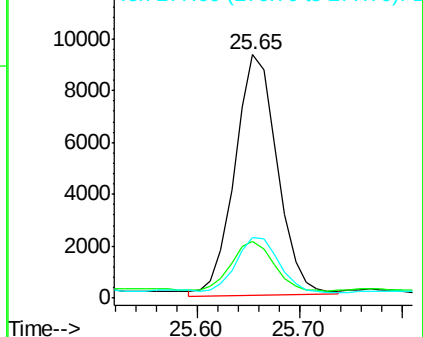
277 25.8 19.8 29.8

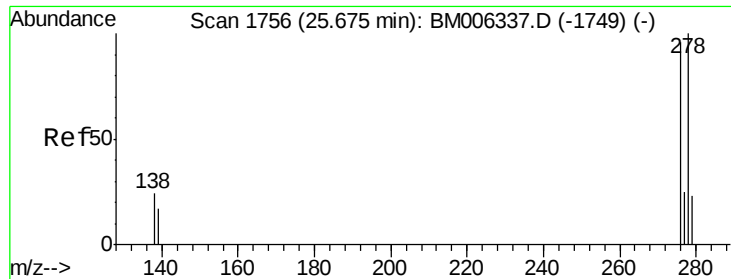


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

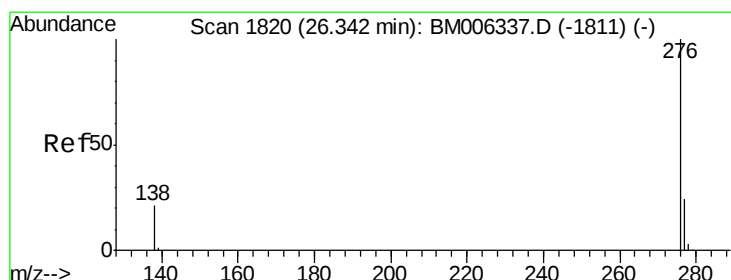
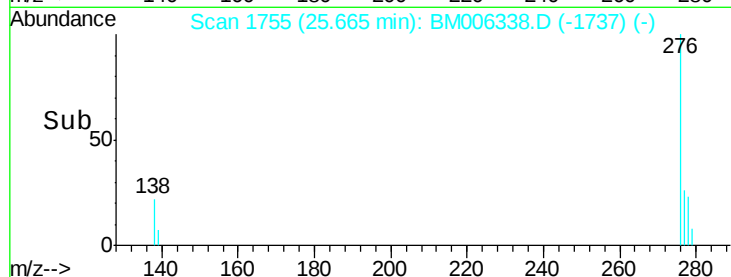
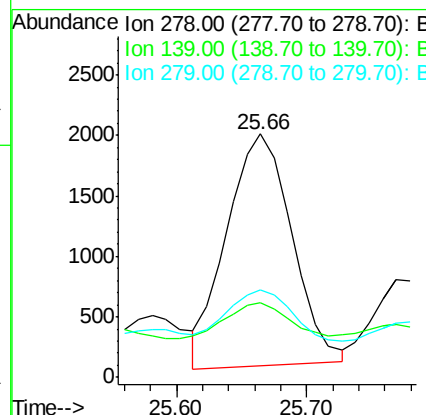
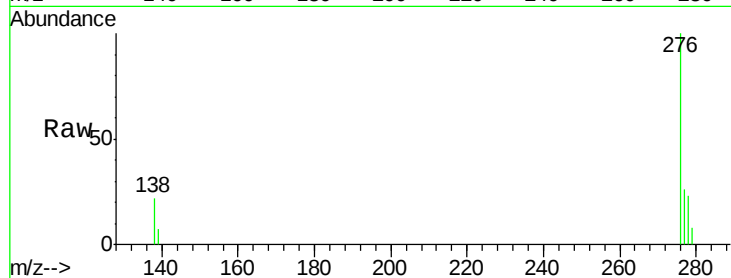




#27
Dibenzo(a,h)anthracene
Concen: 0.09 ng/ul
RT: 25.66 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BM006338.D
Acq: 08 Jul 2016 03:07

Instrument :
BNA_M
ClientSampleId :
A4TW2DL

Tgt Ion: 278 Resp: 6682
Ion Ratio Lower Upper
278 100
139 30.6 16.4 24.6#
279 35.8 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.29 ng/ul
RT: 26.33 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BM006338.D
Acq: 08 Jul 2016 03:07

Tgt Ion: 276 Resp: 23451
Ion Ratio Lower Upper
276 100
277 24.9 18.9 28.3
138 24.5 22.5 33.7

