

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002973.D
 Acq On : 22 Oct 2015 12:08
 Operator : UM/IZ
 Sample : G4074-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9J8

Quant Time: Oct 23 01:03:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 01:01:42 2015
 Response via : Initial Calibration

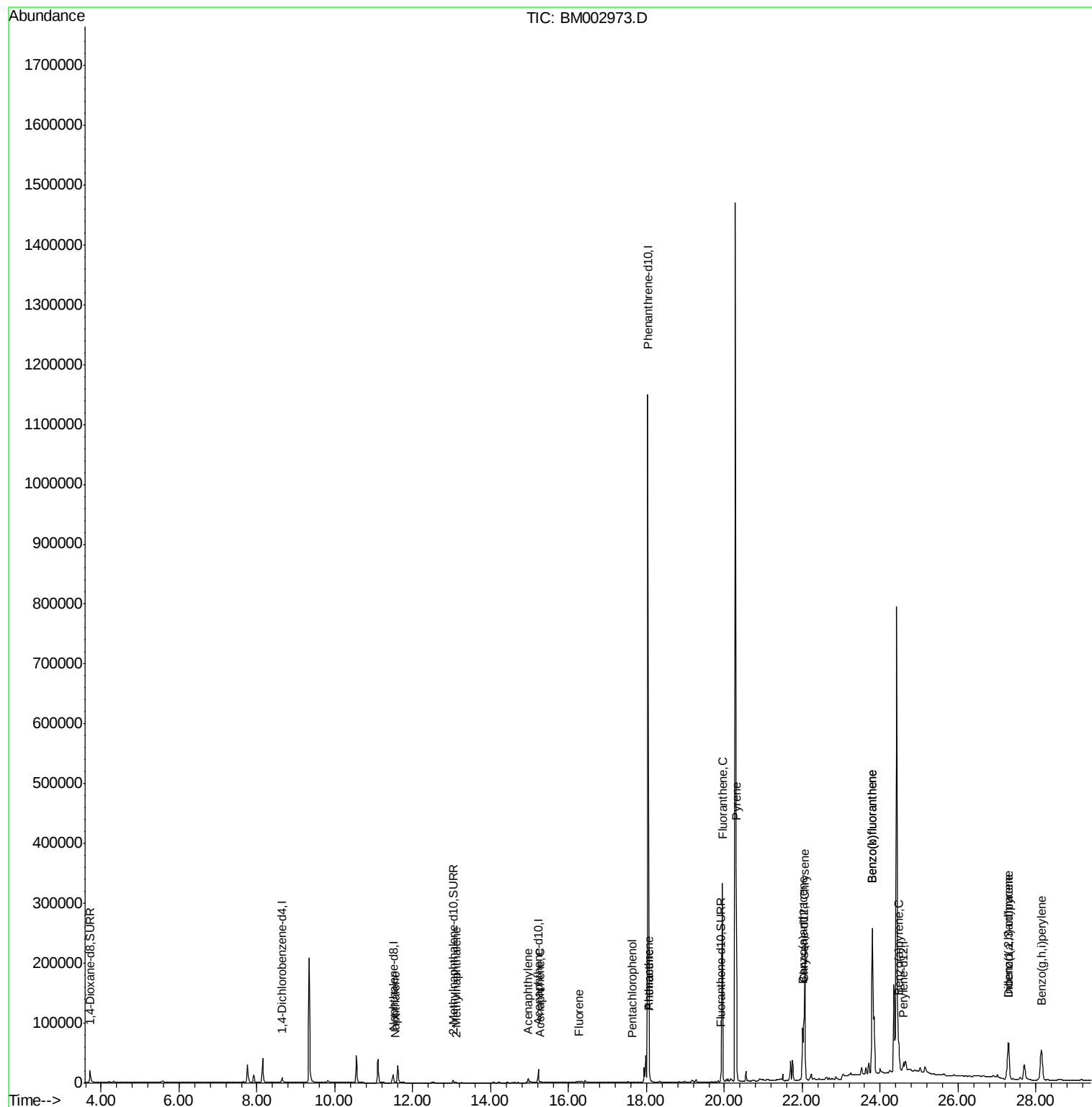
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	5258	0.40	ng/ul	0.00
4) Naphthalene-d8	11.49	136	23489	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.23	164	13290	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1440732	0.40	ng/ul	0.09
18) Chrysene-d12	22.03	240	28100	0.40	ng/ul	0.00
22) Perylene-d12	24.60	264	23682	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	16813	2.99	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	8187	0.21	ng/ul	0.00
16) Fluoranthene-d10	19.91	212	18626	0.00	ng/ul	-0.01
Target Compounds				Ovalue		
5) Naphthalene	11.54	128	1056	0.02	ng/ul#	69
7) 2-Methylnaphthalene	13.11	142	761	0.02	ng/ul#	1
9) Acenaphthylene	14.96	152	10901	0.14	ng/ul	99
10) Acenaphthene	15.28	153	733	0.02	ng/ul#	79
11) Fluorene	16.25	166	2642	0.05	ng/ul#	96
13) Pentachlorophenol	17.63	266	45	0.00	ng/ul#	70
14) Phenanthrene	18.06	178	22953	0.01	ng/ul	98
15) Anthracene	18.06	178	22968	0.01	ng/ul	98
17) Fluoranthene	19.95	202	356498	0.07	ng/ul	92
19) Pyrene	20.30	202	313463	3.07	ng/ul	98
20) Benzo(a)anthracene	22.01	228	83264	0.89	ng/ul	94
21) Chrysene	22.06	228	297918	3.15	ng/ul	99
23) Benzo(b)fluoranthene	23.79	252	549532	6.56	ng/ul	96
24) Benzo(k)fluoranthene	23.79	252	549532	6.75	ng/ul#	91
25) Benzo(a)pyrene	24.47	252	77737	0.97	ng/ul#	65
26) Indeno(1,2,3-cd)pyrene	27.29	276	120129	1.38	ng/ul	100
27) Dibenzo(a,h)anthracene	27.29	278	25320	0.36	ng/ul#	66
28) Benzo(a,h,i)perylene	28.14	276	115033	1.59	ng/ul	92

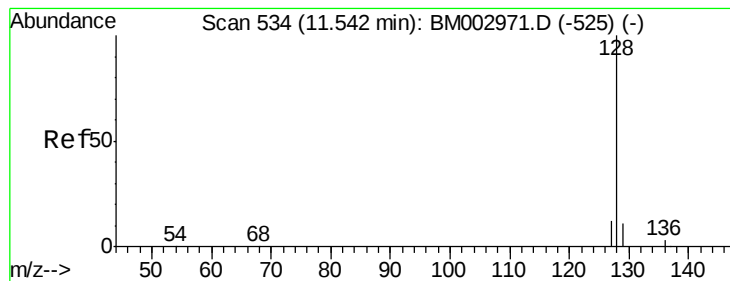
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.00 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Instrument :

BNA_M

ClientSampleId :

JG9J8

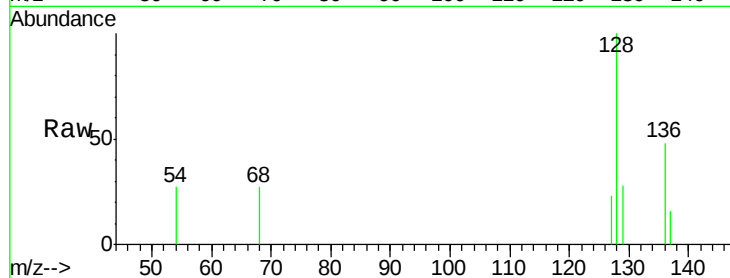
Tot Ion:128 Resp: 1056

Ion Ratio Lower Upper

128 100

129 28.1 9.8 14.8#

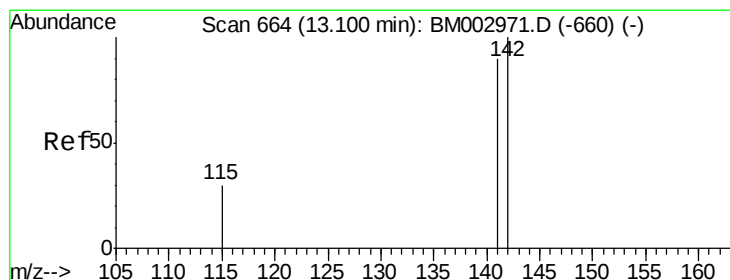
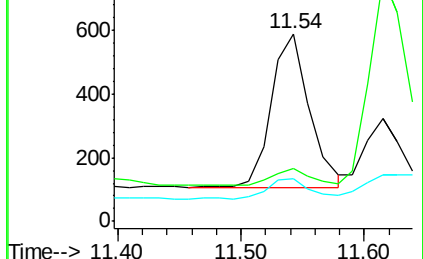
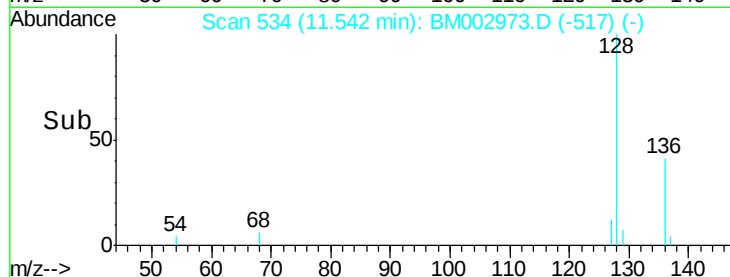
127 22.5 10.7 16.1#



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: 0.02 ng/ul

RT: 13.11 min Scan# 665

Delta R.T. 0.01 min

Lab File: BM002973.D

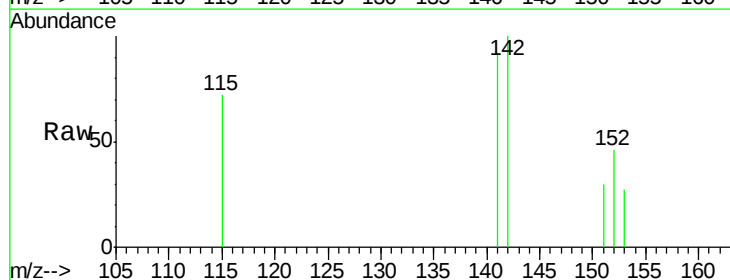
Acq: 22 Oct 2015 12:08

Tgt Ion:142 Resp: 761

Ion Ratio Lower Upper

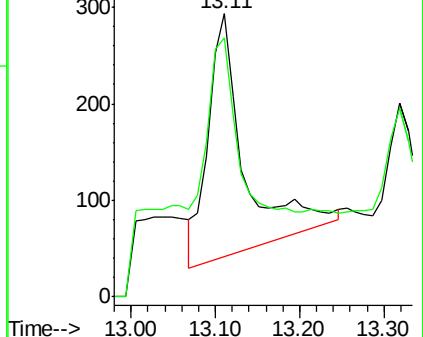
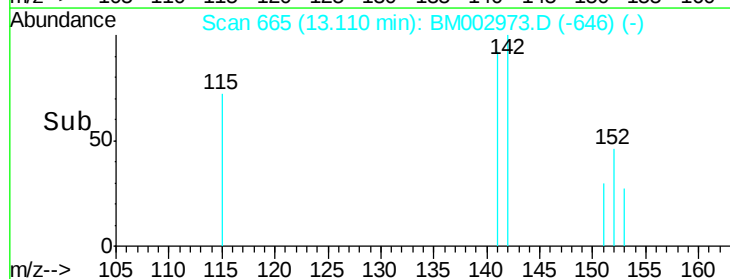
142 100

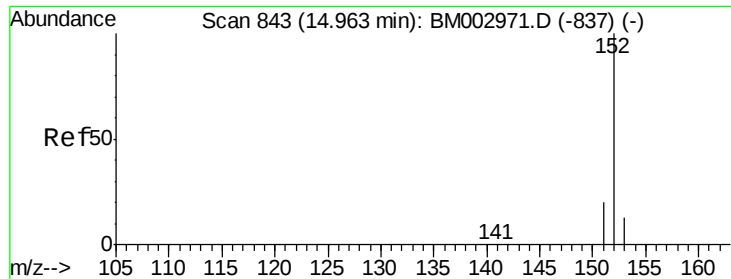
141 229.2 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.96 min Scan# 843

Delta R.T. -0.00 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Instrument :

BNA_M

ClientSampleId :

JG9J8

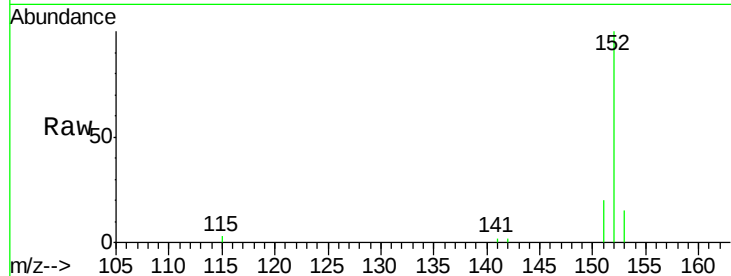
Tot Ion:152 Resp: 10901

Ion Ratio Lower Upper

152 100

151 20.4 16.8 25.2

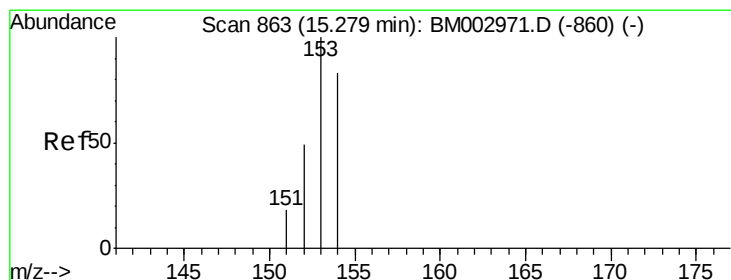
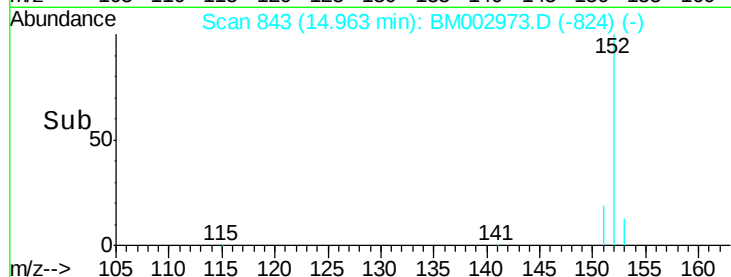
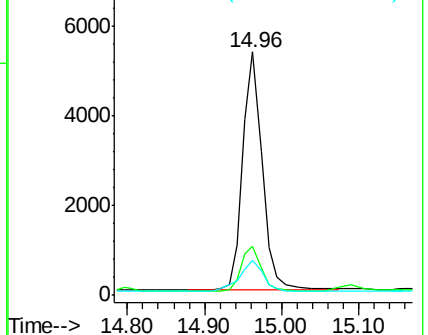
153 14.6 11.3 16.9



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: 15.28 min Scan# 863

Delta R.T. -0.00 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

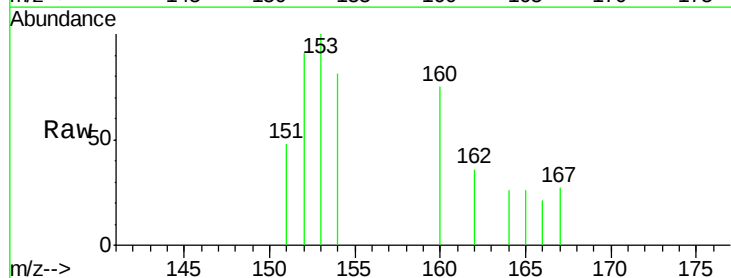
Tgt Ion:153 Resp: 733

Ion Ratio Lower Upper

153 100

152 91.0 42.3 63.5#

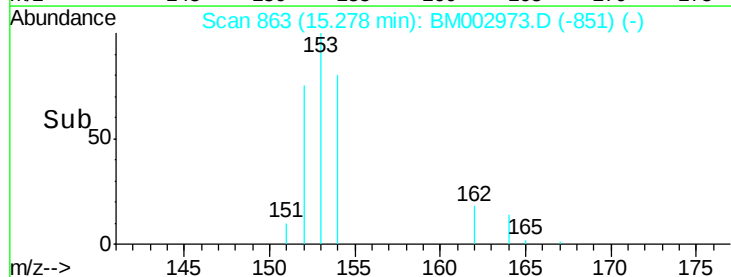
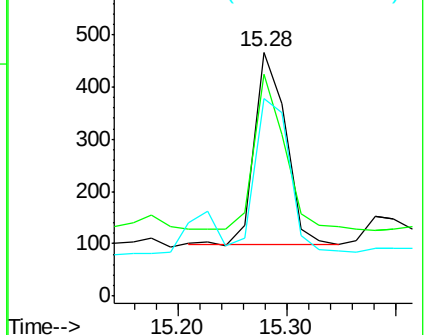
154 81.1 64.7 97.1

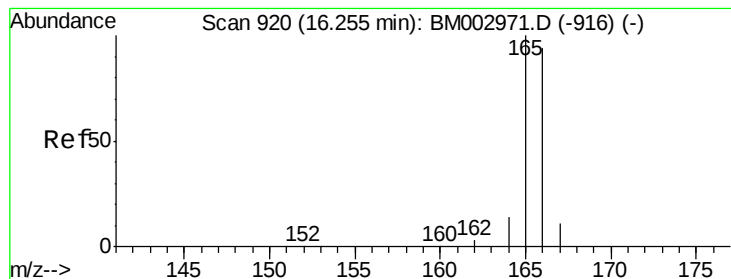


Abundance Ion 153.00 (152.70 to 153.70): E

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: 16.25 min Scan# 920

Delta R.T. -0.00 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Instrument :

BNA_M

ClientSampleId :

JG9J8

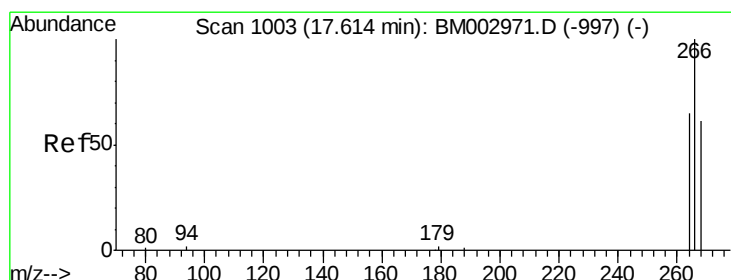
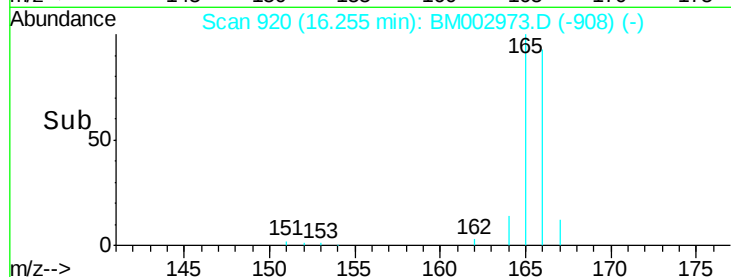
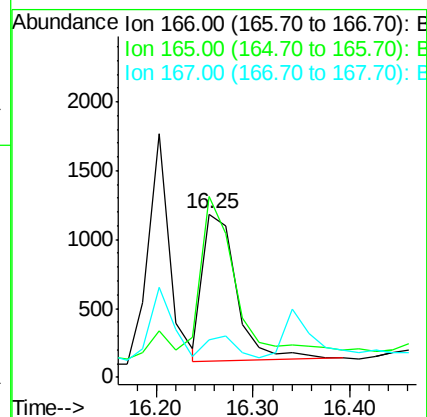
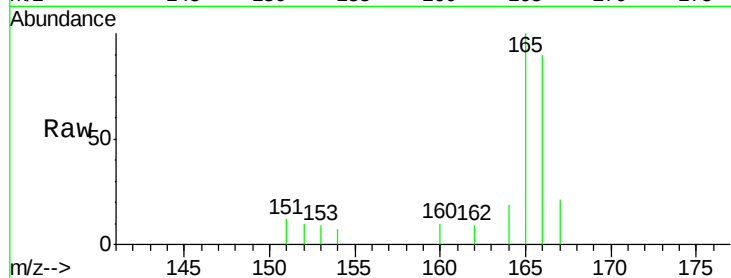
Tot Ion:166 Resp: 2642

Ion Ratio Lower Upper

166 100

165 110.8 87.6 131.4

167 23.3 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 17.63 min Scan# 1004

Delta R.T. 0.02 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

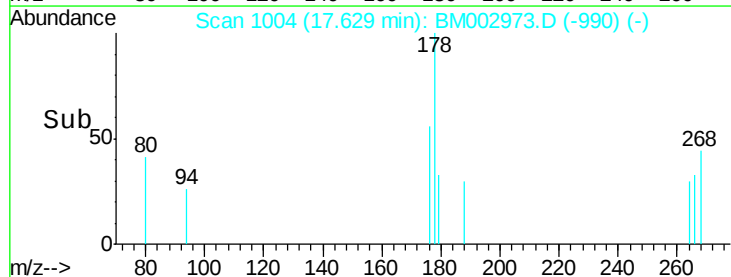
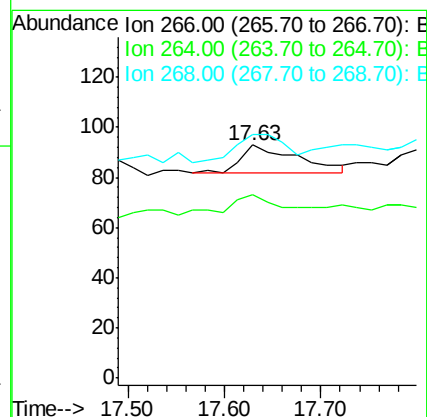
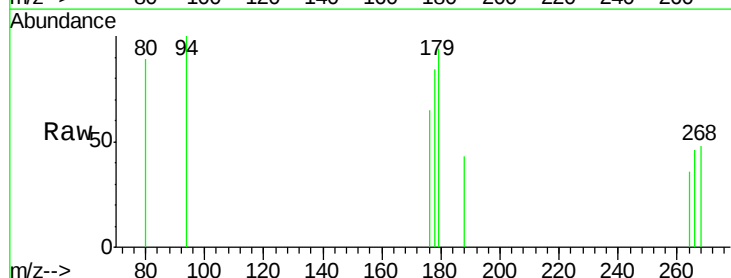
Tgt Ion:266 Resp: 45

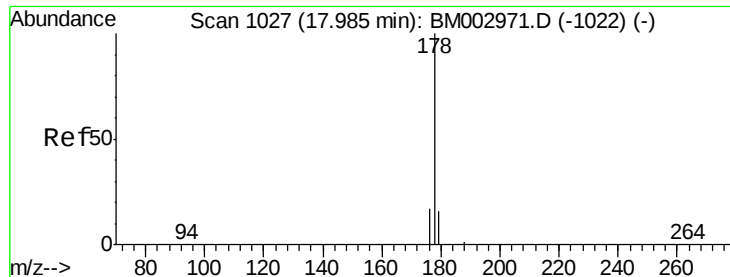
Ion Ratio Lower Upper

266 100

264 93.3 53.5 80.3#

268 88.9 54.2 81.2#





#14

Phenanthrene

Concen: 0.01 ng/ul

RT: 18.06 min Scan# 1032

Delta R.T. 0.08 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Instrument :

BNA_M

ClientSampleId :

JG9J8

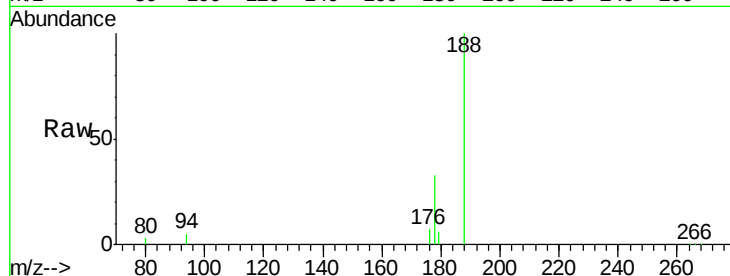
Tot Ion:178 Resp: 22953

Ion Ratio Lower Upper

178 100

176 20.7 16.2 24.4

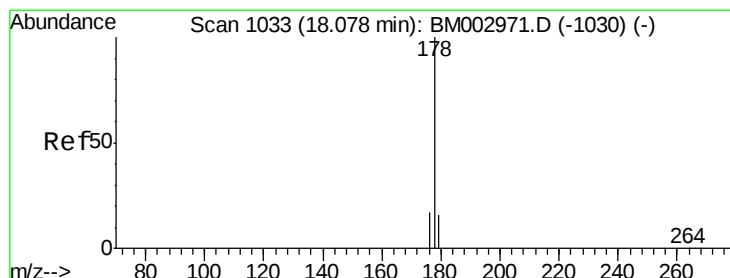
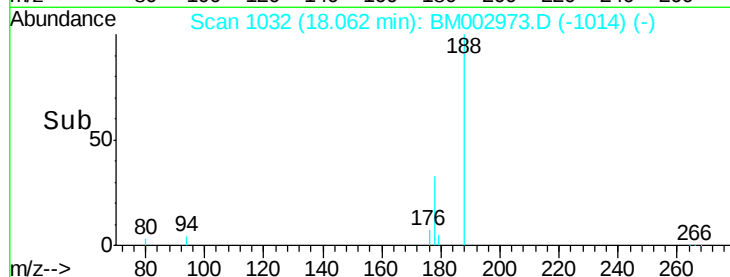
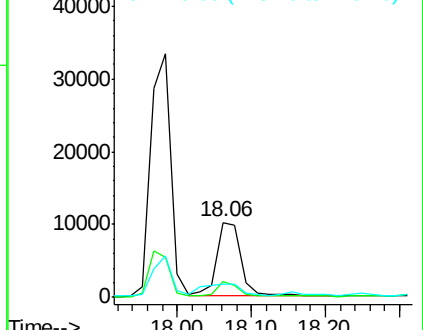
179 17.6 12.8 19.2



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: 0.01 ng/ul

RT: 18.06 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

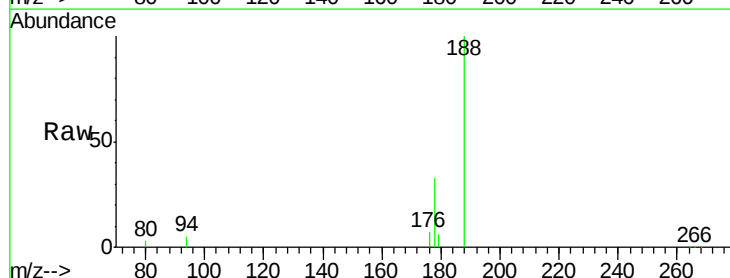
Tgt Ion:178 Resp: 22968

Ion Ratio Lower Upper

178 100

176 20.7 15.8 23.8

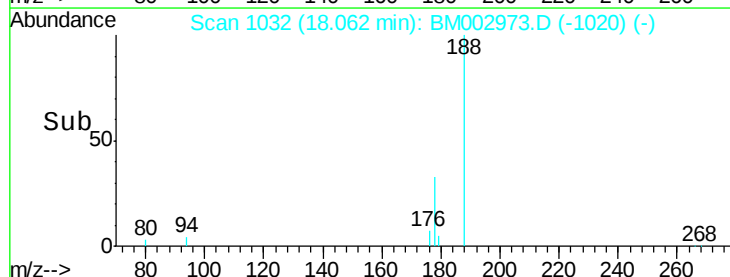
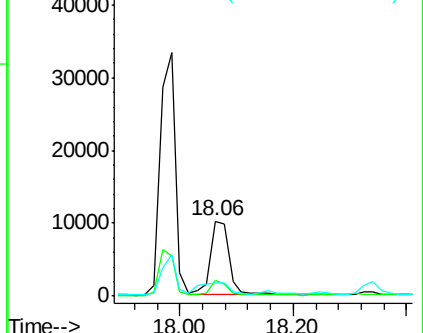
179 17.6 13.3 19.9

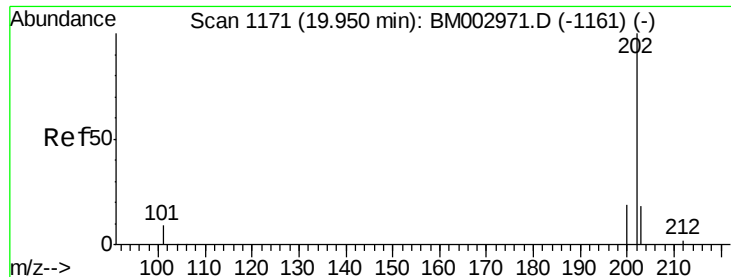


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

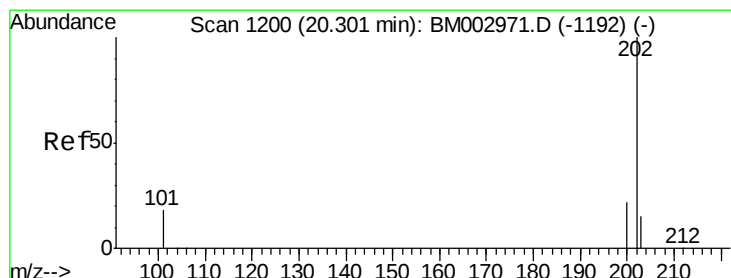
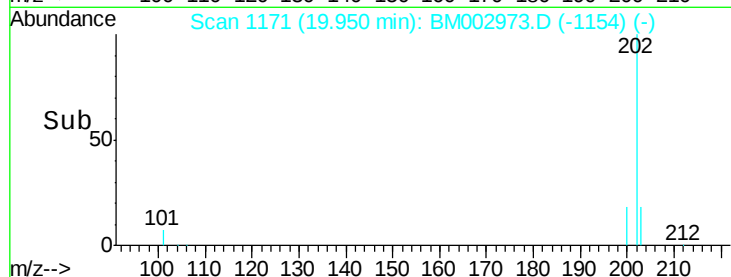
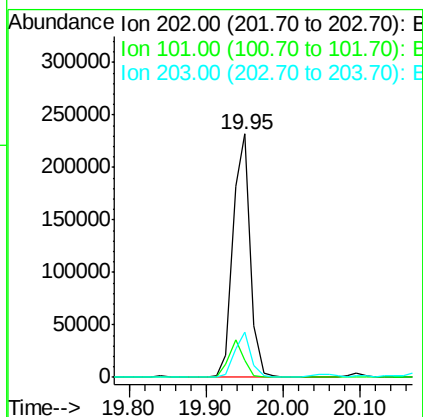
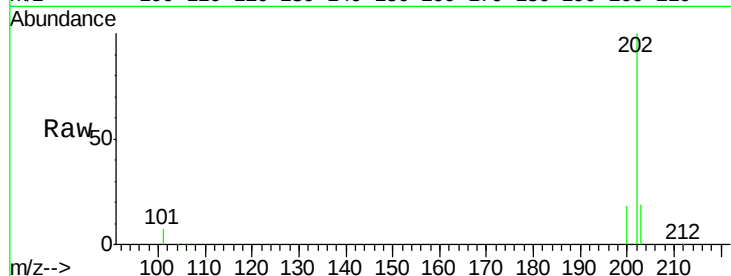




#17
Fluoranthene
Concen: 0.07 ng/ul
RT: 19.95 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BM002973.D
Acq: 22 Oct 2015 12:08

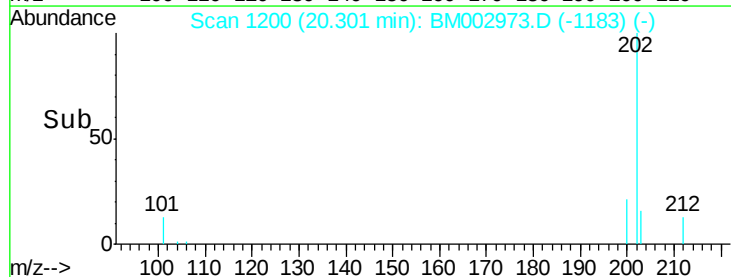
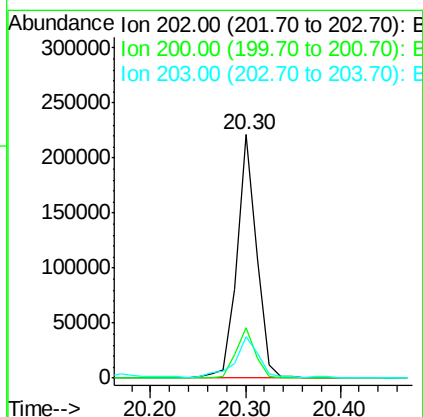
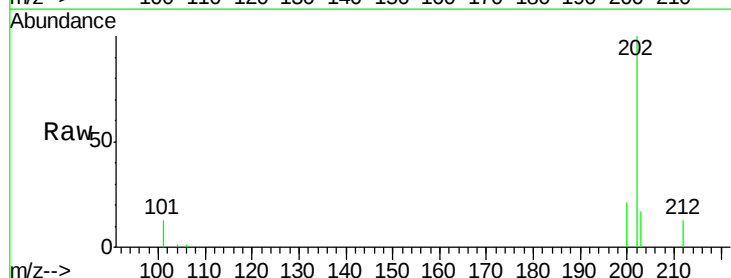
Instrument :
BNA_M
ClientSampleId :
JG9J8

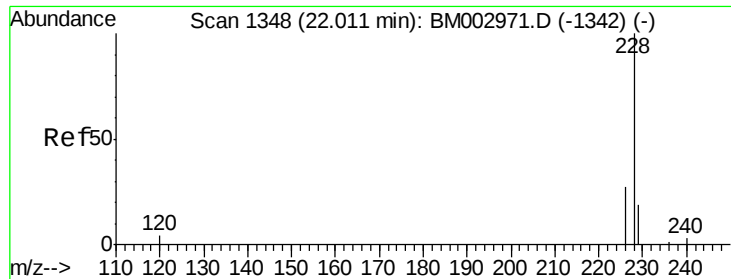
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	33.1
203	18.6	0.0	37.2



#19
Pyrene
Concen: 3.07 ng/ul
RT: 20.30 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BM002973.D
Acq: 22 Oct 2015 12:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	18.0	27.0
203	17.0	13.8	20.6





#20

Benzo(a)anthracene

Concen: 0.89 ng/ul

RT: 22.01 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Instrument :

BNA_M

ClientSampled :

JG9J8

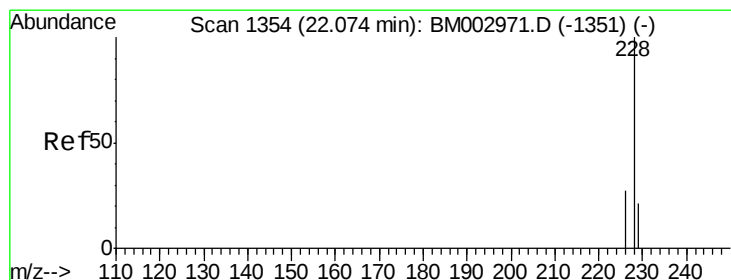
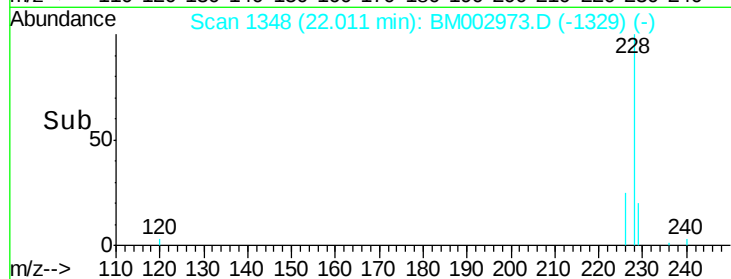
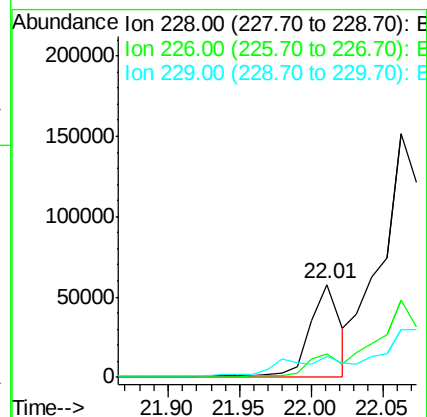
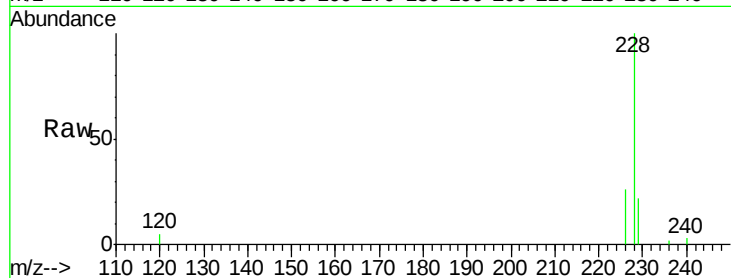
Tot Ion:228 Resp: 83264

Ion Ratio Lower Upper

228 100

226 25.9 23.0 34.4

229 22.4 15.2 22.8



#21

Chrysene

Concen: 3.15 ng/ul

RT: 22.06 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

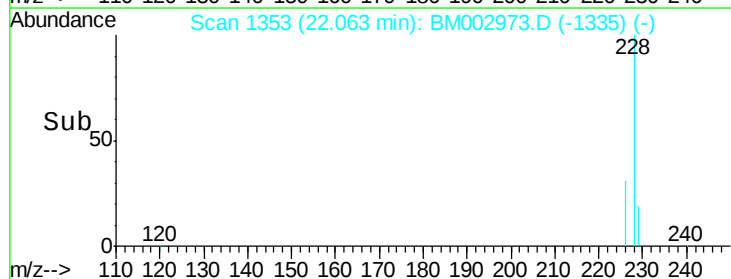
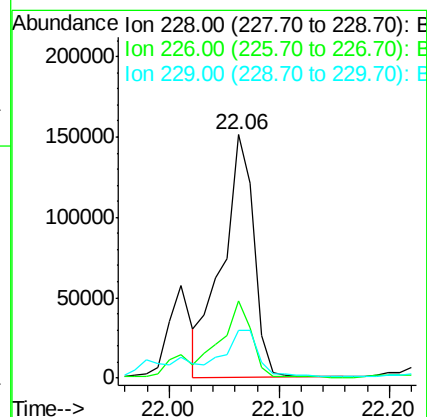
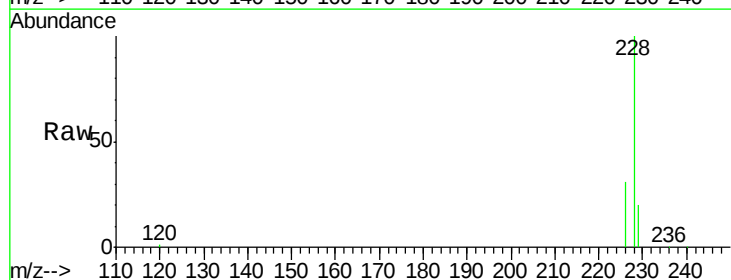
Tgt Ion:228 Resp: 297918

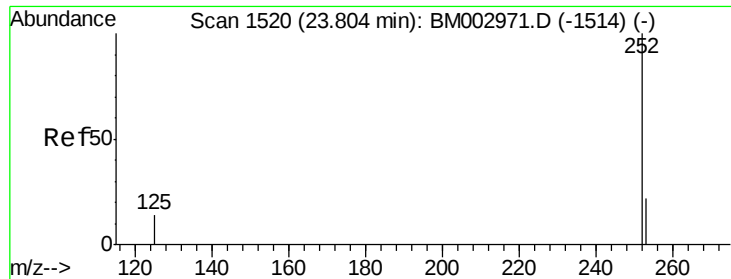
Ion Ratio Lower Upper

228 100

226 31.5 25.7 38.5

229 19.9 15.2 22.8





#23

Benzo(b)fluoranthene

Concen: 6.56 ng/ul

RT: 23.79 min Scan# 1519

Delta R.T. -0.01 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Instrument :

BNA_M

ClientSampleId :

JG9J8

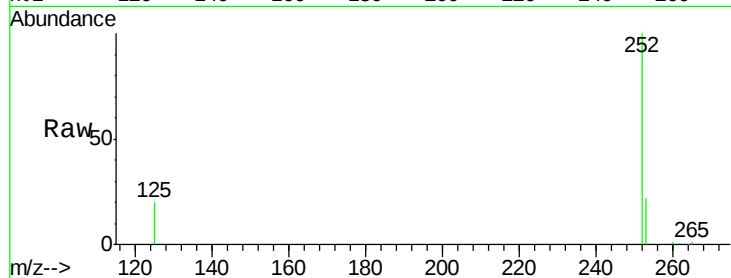
Tot Ion:252 Resp: 549532

Ion Ratio Lower Upper

252 100

253 22.0 0.0 48.0

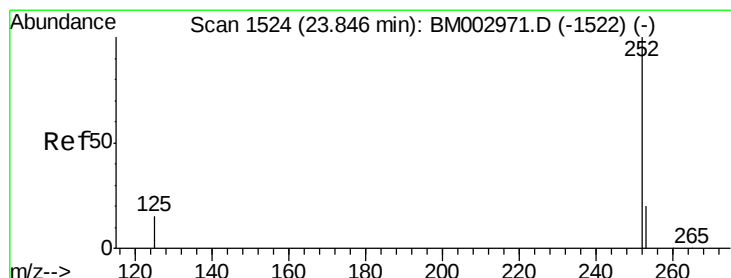
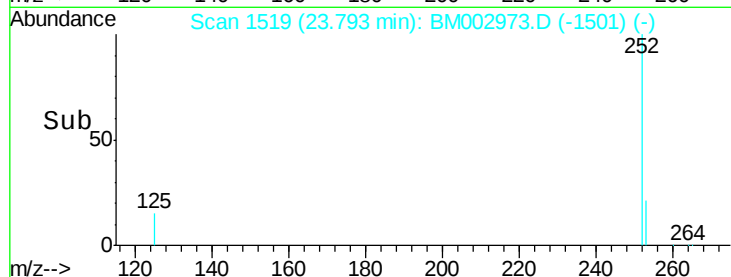
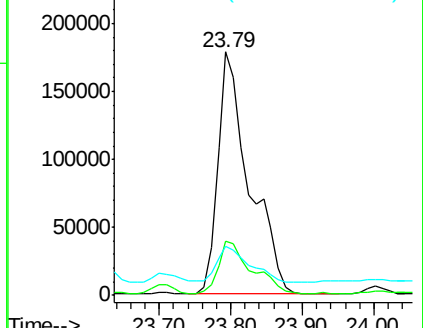
125 20.4 0.0 36.6



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



#24

Benzo(k)fluoranthene

Concen: 6.75 ng/ul

RT: 23.79 min Scan# 1519

Delta R.T. -0.05 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

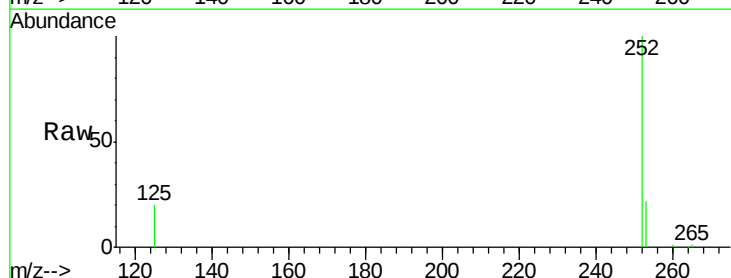
Tgt Ion:252 Resp: 549532

Ion Ratio Lower Upper

252 100

253 22.0 20.8 31.2

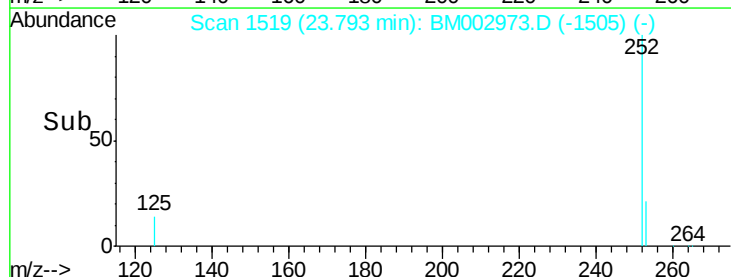
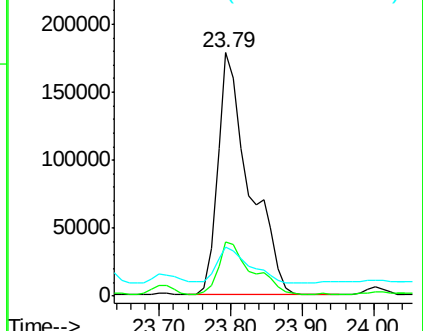
125 20.4 12.2 18.4#

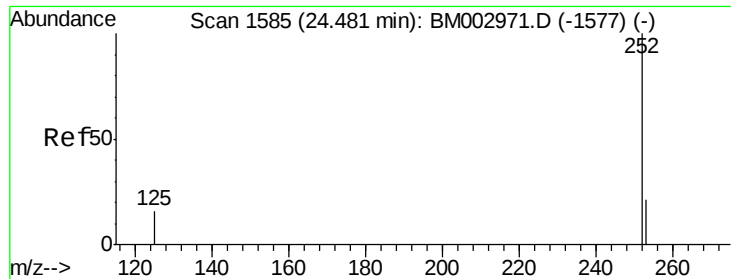


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.97 ng/ul

RT: 24.47 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Instrument :

BNA_M

ClientSampleId :

JG9J8

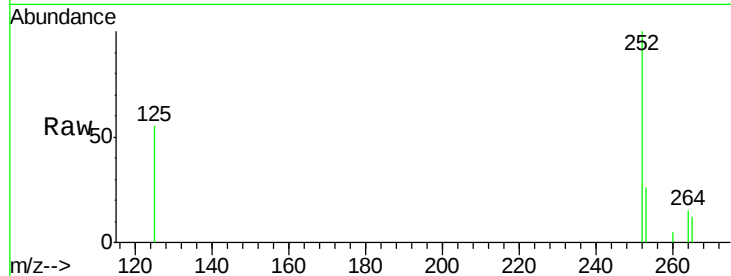
Tot Ion:252 Resp: 77737

Ion Ratio Lower Upper

252 100

253 25.9 21.8 32.8

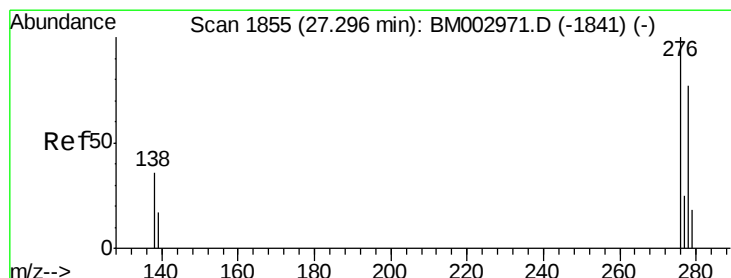
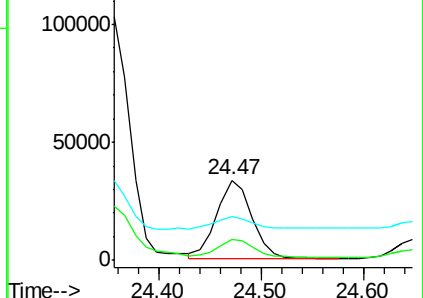
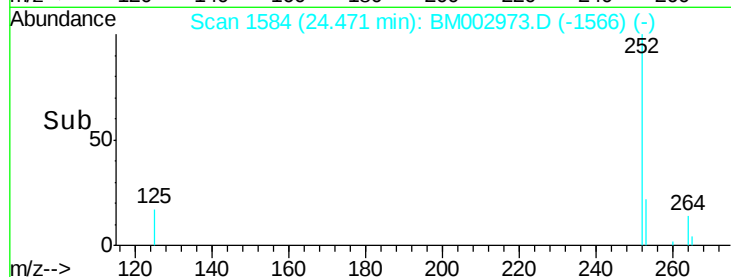
125 54.9 14.5 21.7#



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: 1.38 ng/ul

RT: 27.29 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

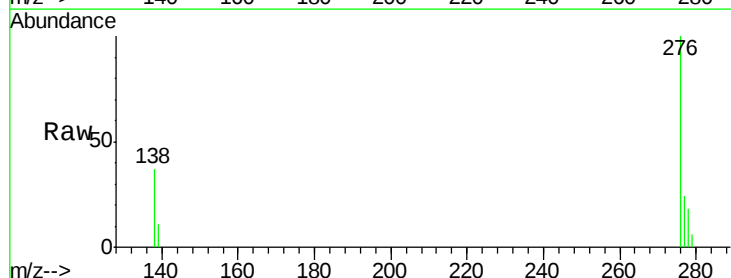
Tgt Ion:276 Resp: 120129

Ion Ratio Lower Upper

276 100

138 34.1 27.5 41.3

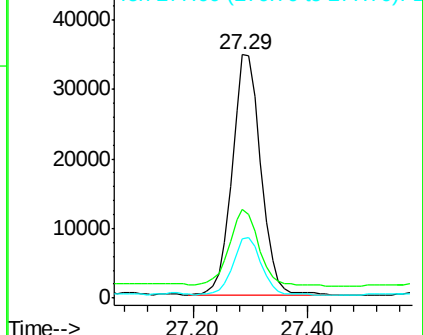
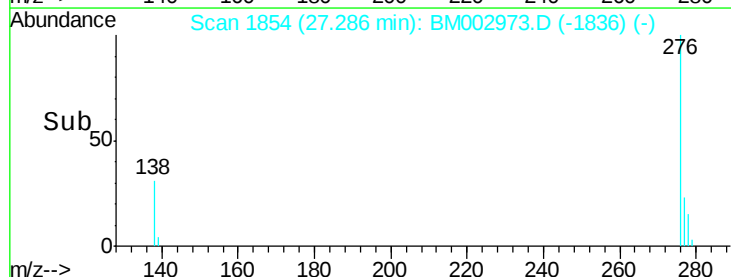
277 24.1 19.3 28.9

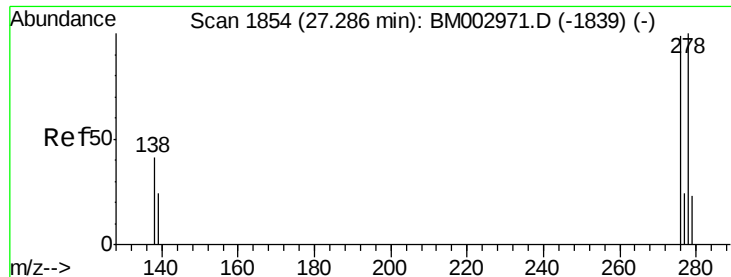


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.36 ng/ul

RT: 27.29 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

Instrument :

BNA_M

ClientSampleId :

JG9J8

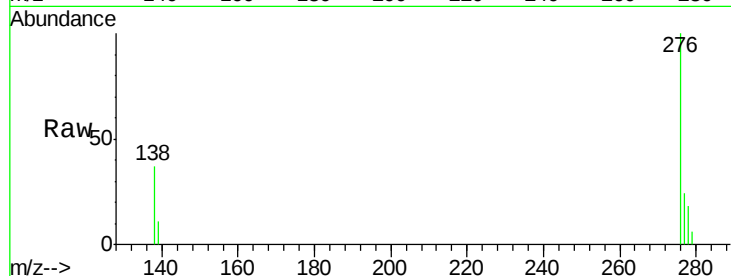
Tot Ion:278 Resp: 25320

Ion Ratio Lower Upper

278 100

139 58.7 21.7 32.5#

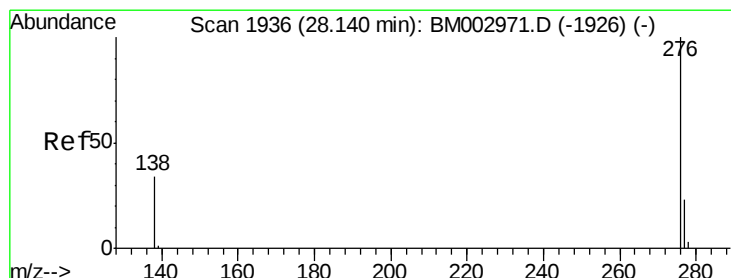
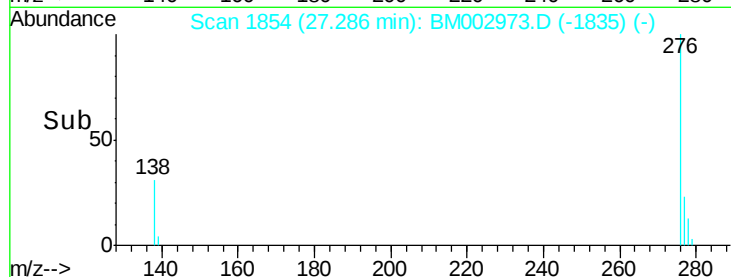
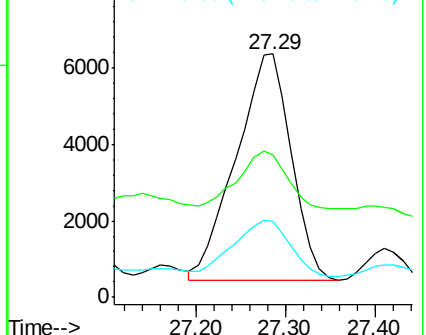
279 31.2 21.9 32.9



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



#28

Benzo(g,h,i)perylene

Concen: 1.59 ng/ul

RT: 28.14 min Scan# 1936

Delta R.T. -0.00 min

Lab File: BM002973.D

Acq: 22 Oct 2015 12:08

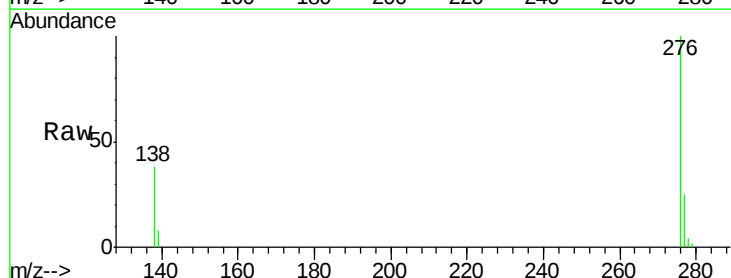
Tgt Ion:276 Resp: 115033

Ion Ratio Lower Upper

276 100

277 24.5 21.3 31.9

138 38.1 25.5 38.3



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

