

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002989.D
 Acq On : 22 Oct 2015 22:27
 Operator : UM/IZ
 Sample : G4074-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9H5

Quant Time: Oct 23 02:01:56 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 01:55:29 2015
 Response via : Initial Calibration

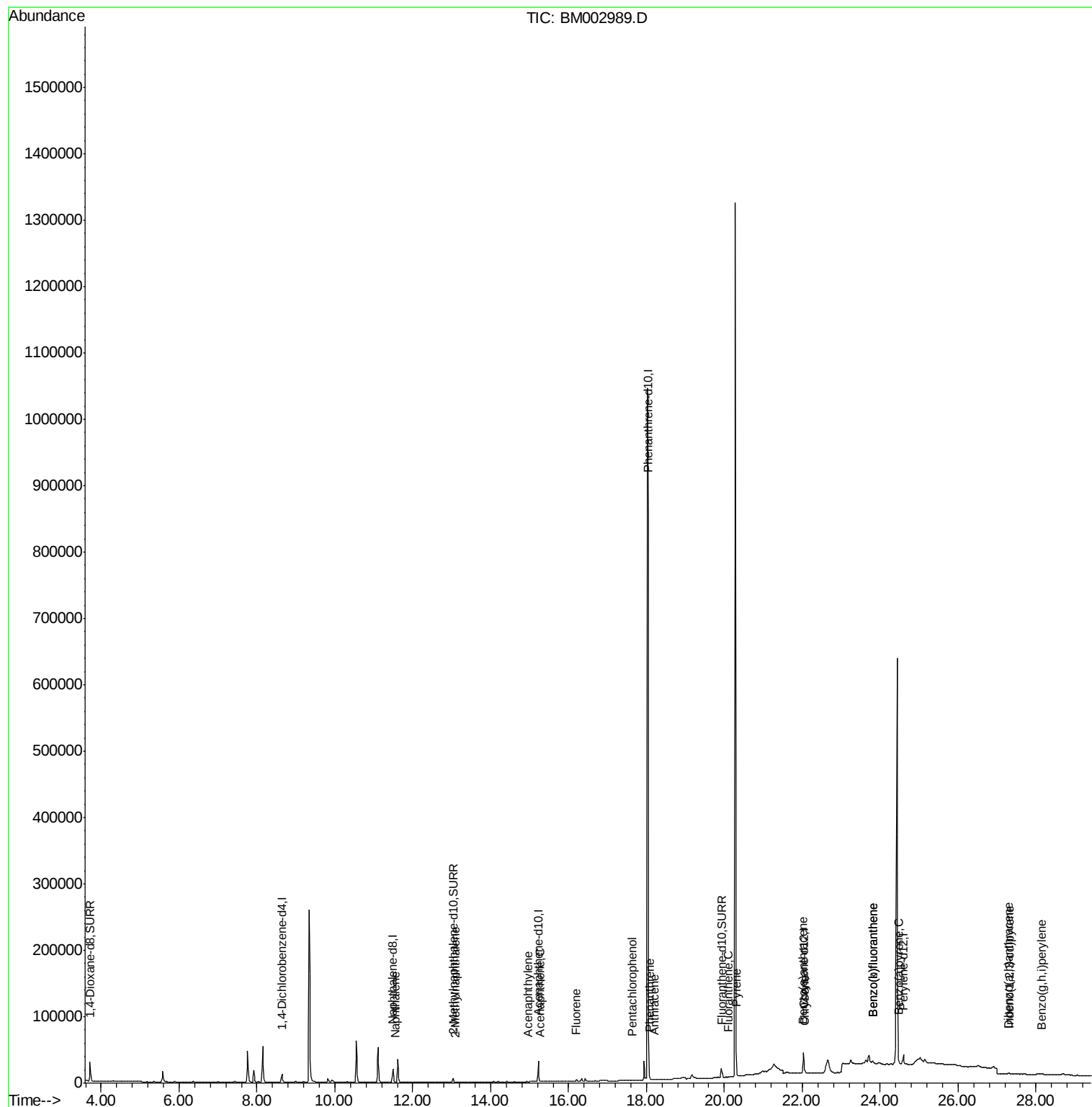
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	7791	0.40	ng/ul	0.00
4) Naphthalene-d8	11.48	136	34388	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	18692	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.05	188	1530150	0.40	ng/ul	0.11
18) Chrysene-d12	22.03	240	28730	0.40	ng/ul	0.00
22) Perylene-d12	24.60	264	24673	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	23114	2.78	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	10647	0.18	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	18369	0.00	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.54	128	708	0.01	ng/ul#	44
7) 2-Methylnaphthalene	13.10	142	876	0.01	ng/ul	88
9) Acenaphthylene	14.96	152	758	0.01	ng/ul#	1
10) Acenaphthene	15.28	153	137	0.00	ng/ul#	56
11) Fluorene	16.20	166	3101	0.04	ng/ul#	21
13) Pentachlorophenol	17.63	266	192	0.00	ng/ul#	50
14) Phenanthrene	18.08	178	1502	0.00	ng/ul#	1
15) Anthracene	18.20	178	118	0.00	ng/ul#	1
17) Fluoranthene	20.10	202	469	0.00	ng/ul#	1
19) Pyrene	20.30	202	8965	0.09	ng/ul#	45
20) Benzo(a)anthracene	22.01	228	3257	0.03	ng/ul#	1
21) Chrysene	22.06	228	5401	0.06	ng/ul#	4
23) Benzo(b)fluoranthene	23.81	252	7793	0.09	ng/ul#	1
24) Benzo(k)fluoranthene	23.81	252	7793	0.09	ng/ul#	1
25) Benzo(a)pyrene	24.47	252	1905	0.02	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.31	276	2860	0.03	ng/ul#	57
27) Dibenzo(a,h)anthracene	27.29	278	890	0.01	ng/ul#	1
28) Benzo(a,h,i)perylene	28.15	276	4114	0.05	ng/ul#	1

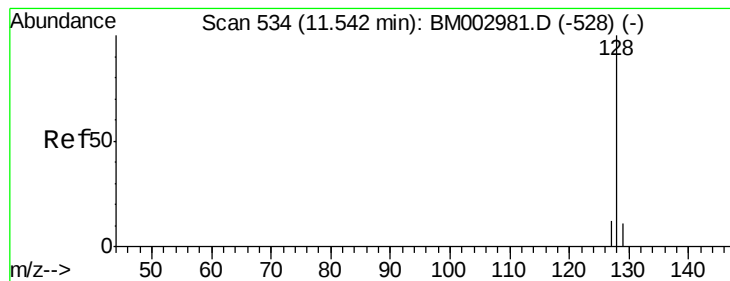
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.00 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

Instrument :

BNA_M

ClientSampleId :

JG9H5

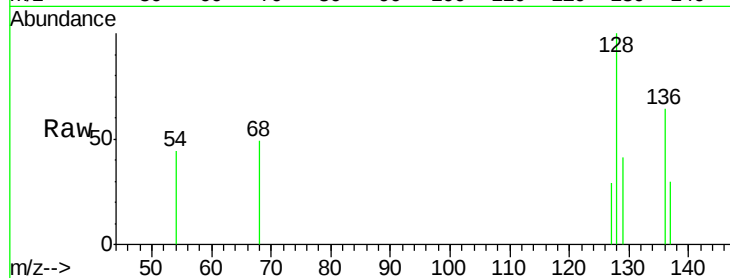
Tot Ion:128 Resp: 708

Ion Ratio Lower Upper

128 100

129 41.1 9.8 14.8#

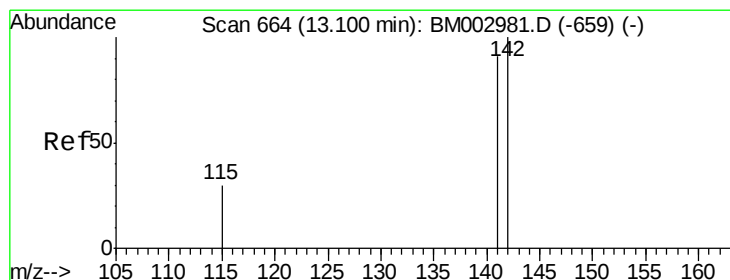
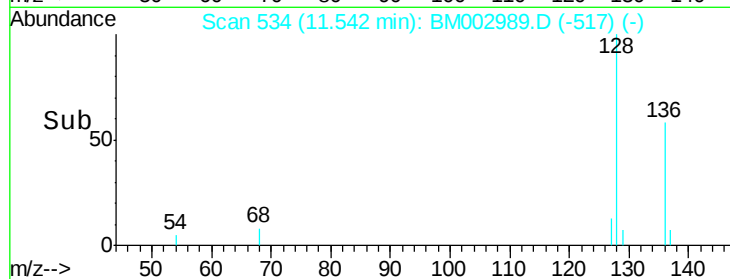
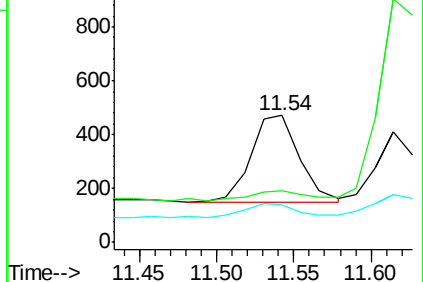
127 29.2 10.7 16.1#



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: 0.01 ng/ul

RT: 13.10 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM002989.D

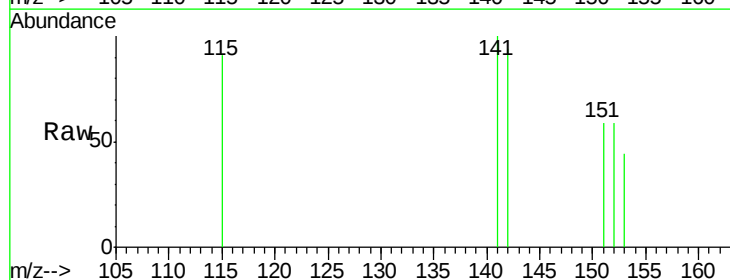
Acq: 22 Oct 2015 22:27

Tgt Ion:142 Resp: 876

Ion Ratio Lower Upper

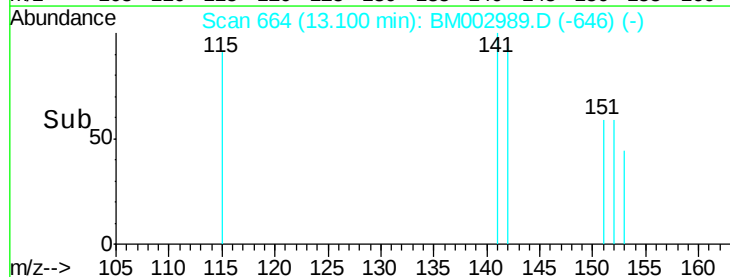
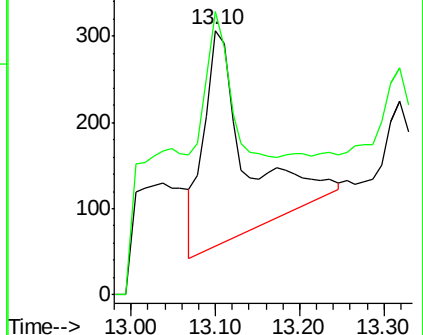
142 100

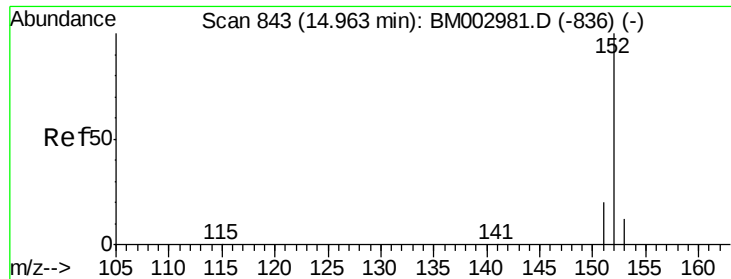
141 99.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.96 min Scan# 843

Delta R.T. -0.00 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

Instrument :

BNA_M

ClientSampleId :

JG9H5

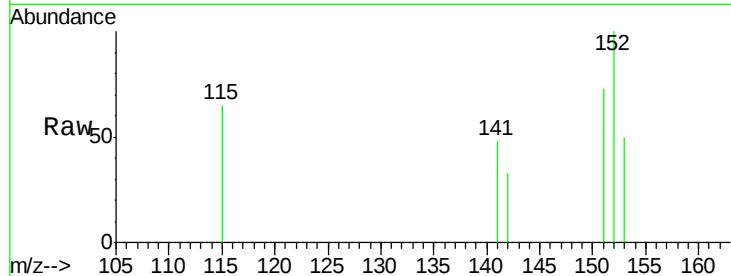
Tot Ion:152 Resp: 758

Ion Ratio Lower Upper

152 100

151 72.9 16.8 25.2#

153 49.7 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

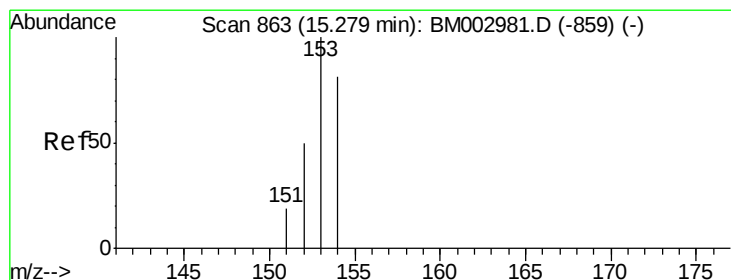
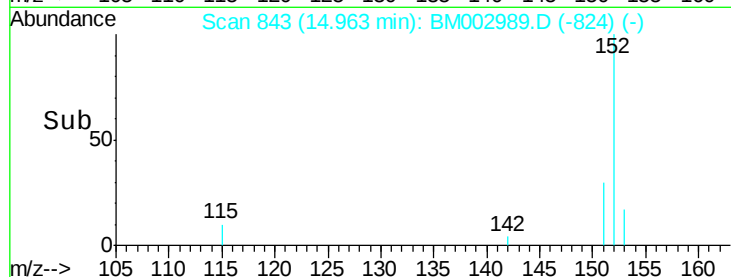
14.96

400

200

0

Time--> 14.80 14.90 15.00



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 15.28 min Scan# 863

Delta R.T. -0.00 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

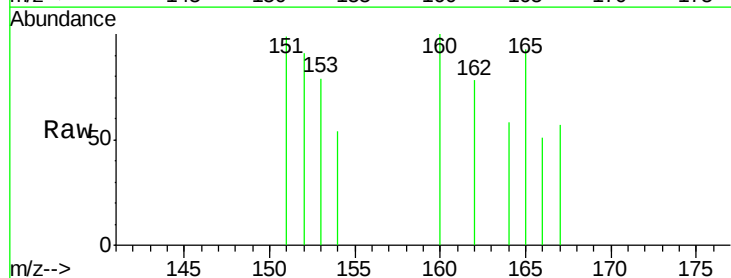
Tgt Ion:153 Resp: 137

Ion Ratio Lower Upper

153 100

152 115.5 42.3 63.5#

154 67.9 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

15.28

400

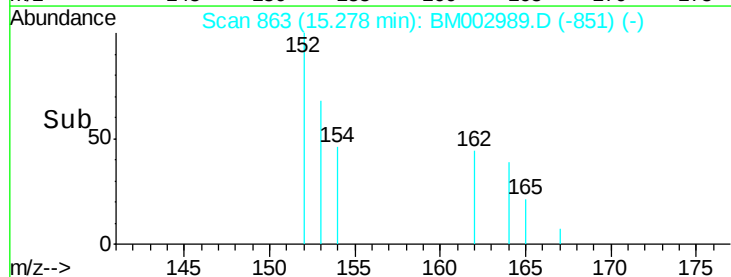
300

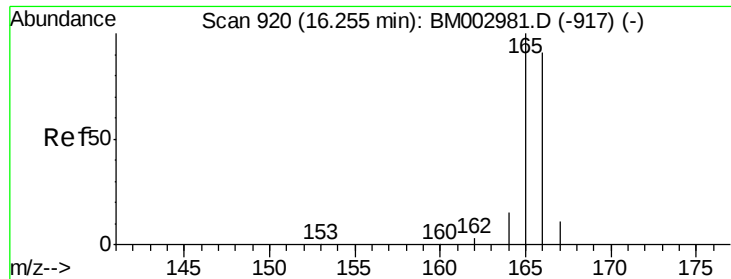
200

100

0

Time--> 15.25 15.30 15.35

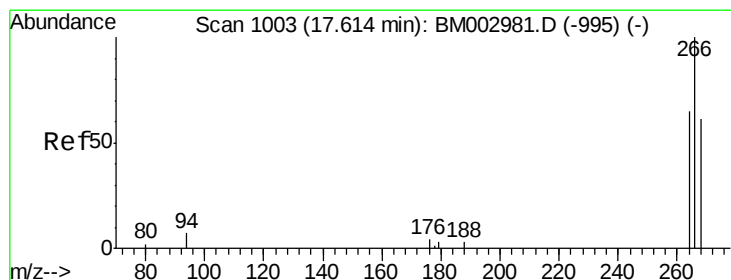
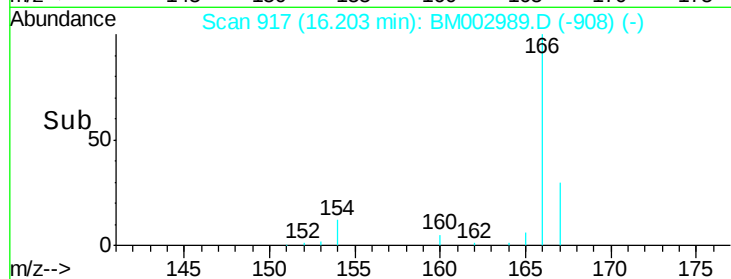
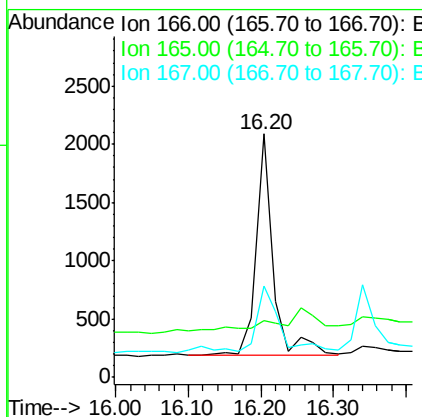
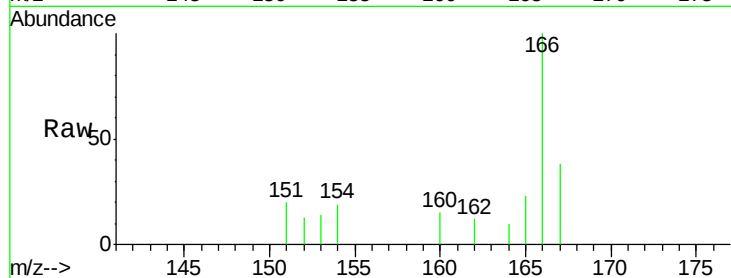




#11
Fluorene
 Concen: 0.04 ng/ul
 RT: 16.20 min Scan# 917
 Delta R.T. -0.05 min
 Lab File: BM002989.D
 Acq: 22 Oct 2015 22:27

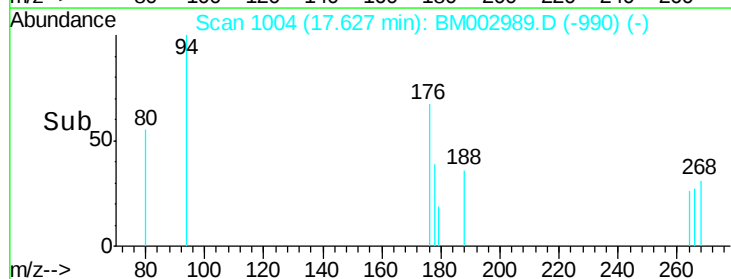
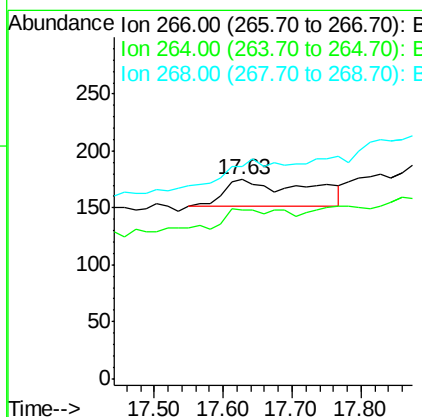
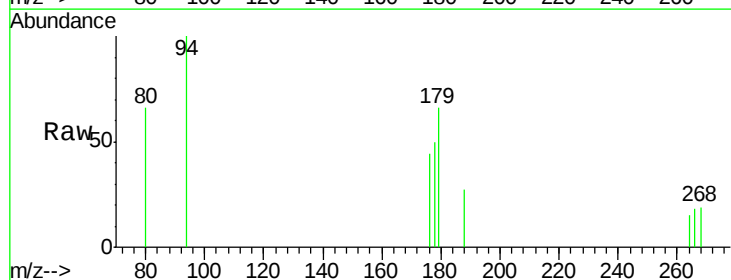
Instrument :
 BNA_M
 ClientSampleId :
 JG9H5

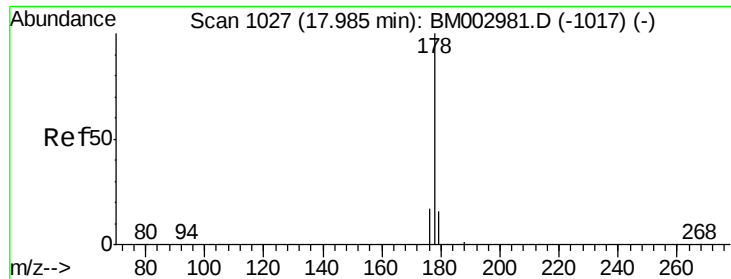
Tot Ion:166 Resp: 3101
 Ion Ratio Lower Upper
 166 100
 165 23.3 87.6 131.4#
 167 37.6 11.1 16.7#



#13
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 17.63 min Scan# 1004
 Delta R.T. 0.01 min
 Lab File: BM002989.D
 Acq: 22 Oct 2015 22:27

Tgt Ion:266 Resp: 192
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 80.7 54.2 81.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. 0.09 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

Instrument :

BNA_M

ClientSampleId :

JG9H5

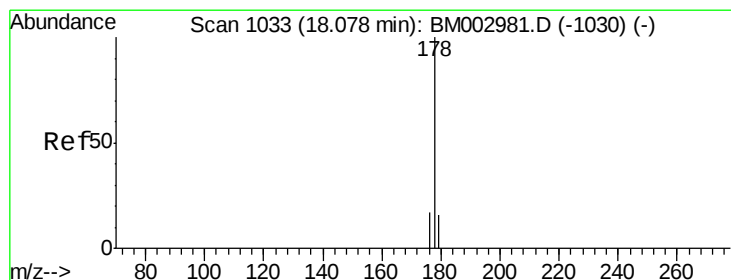
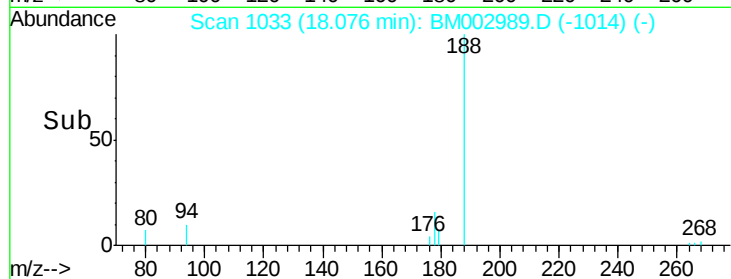
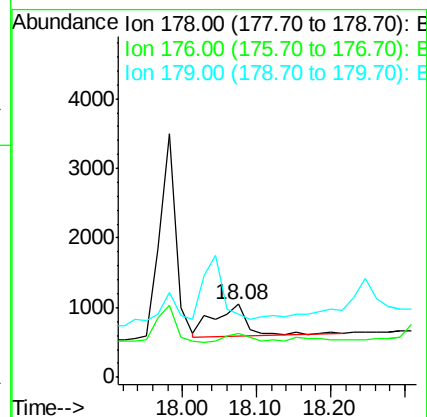
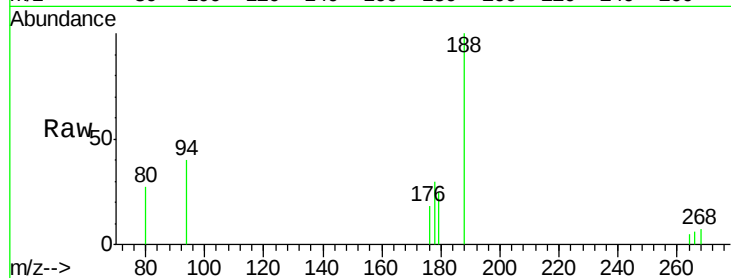
Tot Ion:178 Resp: 1502

Ion Ratio Lower Upper

178 100

176 59.6 16.2 24.4#

179 85.8 12.8 19.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 18.20 min Scan# 1041

Delta R.T. 0.12 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

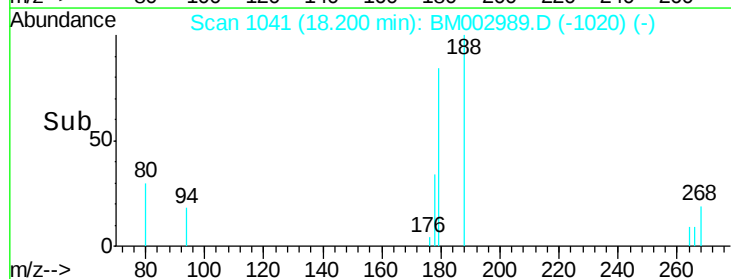
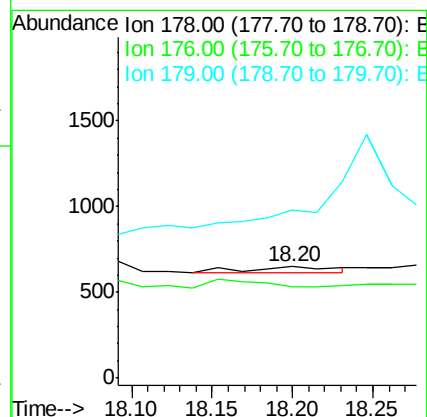
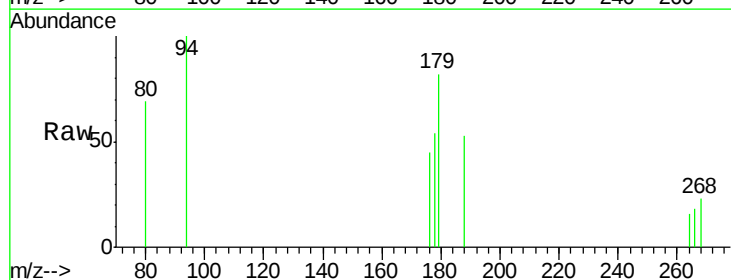
Tgt Ion:178 Resp: 118

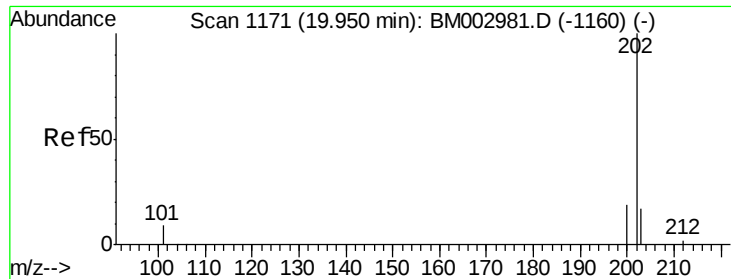
Ion Ratio Lower Upper

178 100

176 82.1 15.8 23.8#

179 151.5 13.3 19.9#





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 20.10 min Scan# 1183

Delta R.T. 0.15 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

Instrument :

BNA_M

ClientSampleId :

JG9H5

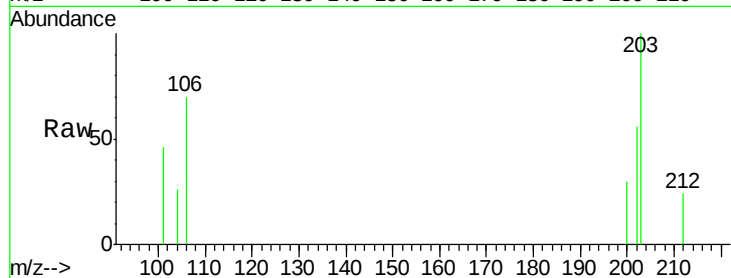
Tot Ion:202 Resp: 469

Ion Ratio Lower Upper

202 100

101 82.0 0.0 33.1#

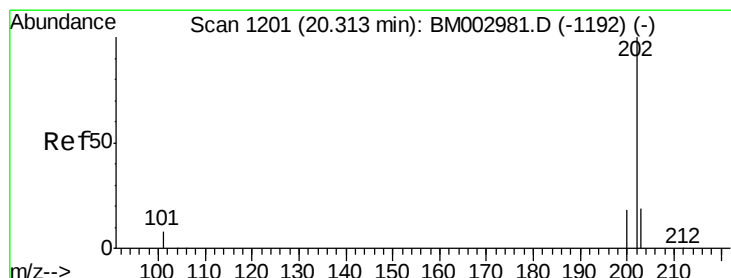
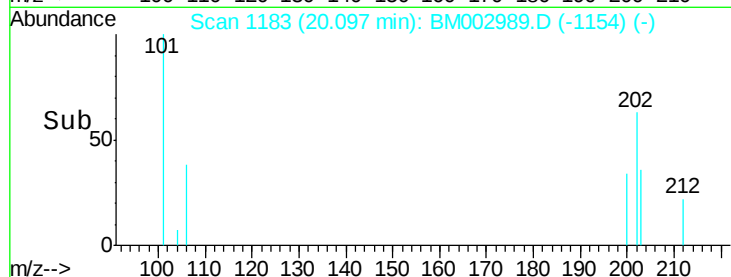
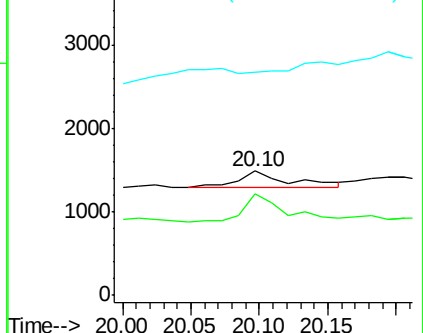
203 178.9 0.0 37.2#



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: 0.09 ng/ul

RT: 20.30 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

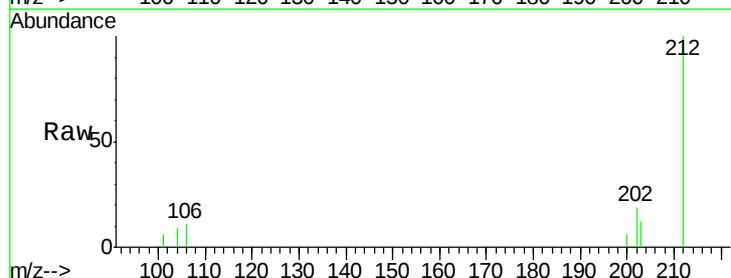
Tgt Ion:202 Resp: 8965

Ion Ratio Lower Upper

202 100

200 29.6 18.0 27.0#

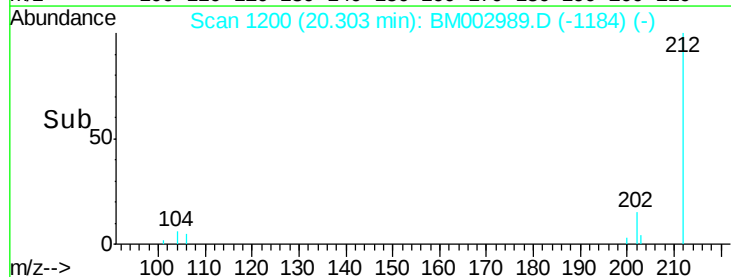
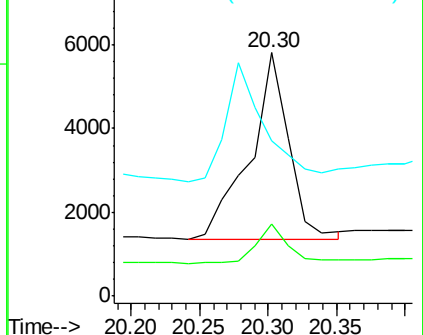
203 64.0 13.8 20.6#

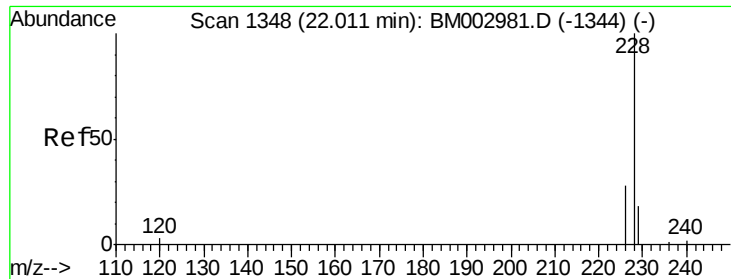


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 22.01 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

Instrument :

BNA_M

ClientSampleId :

JG9H5

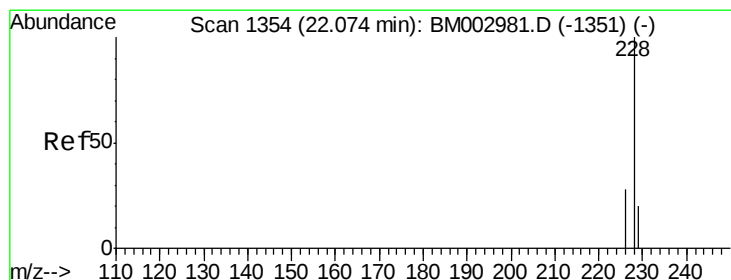
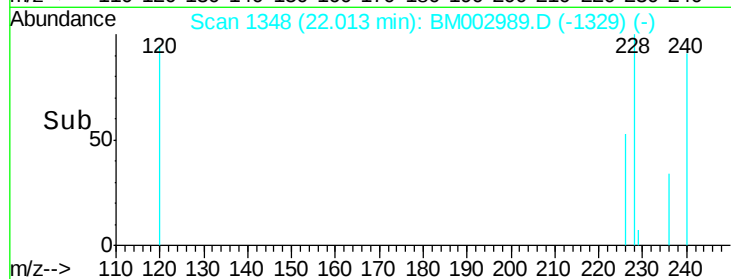
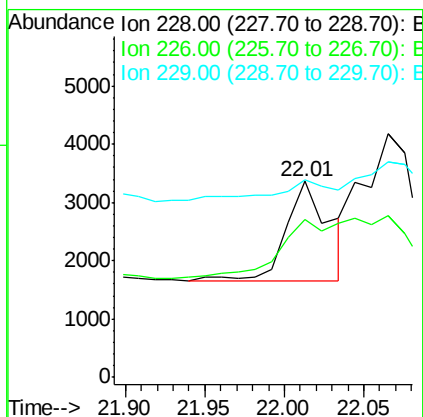
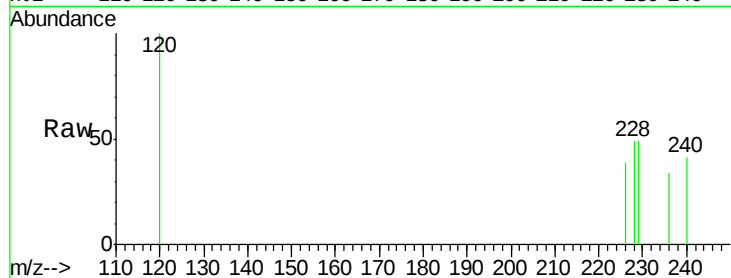
Tot Ion:228 Resp: 3257

Ion Ratio Lower Upper

228 100

226 80.4 23.0 34.4#

229 100.9 15.2 22.8#



#21

Chrysene

Concen: 0.06 ng/ul

RT: 22.06 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

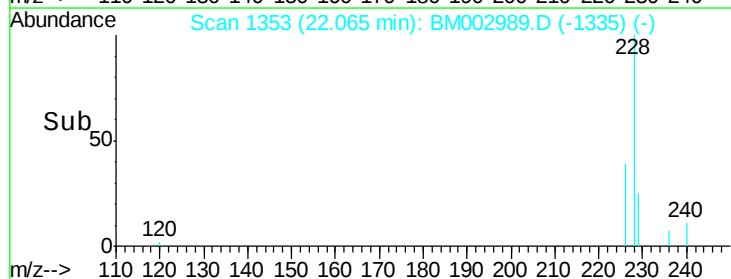
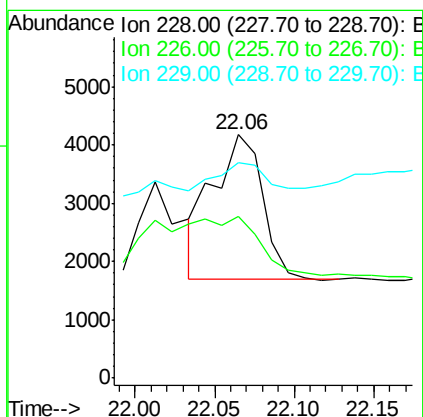
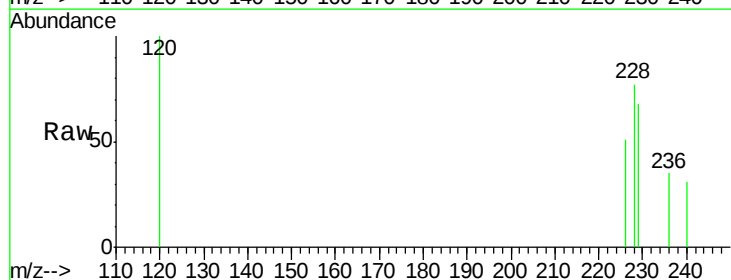
Tgt Ion:228 Resp: 5401

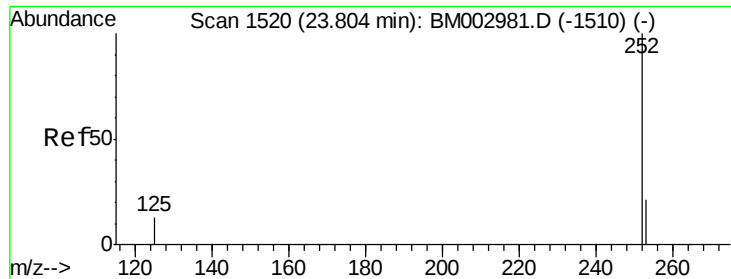
Ion Ratio Lower Upper

228 100

226 66.2 25.7 38.5#

229 88.5 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.09 ng/ul

RT: 23.81 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

Instrument :

BNA_M

ClientSampleId :

JG9H5

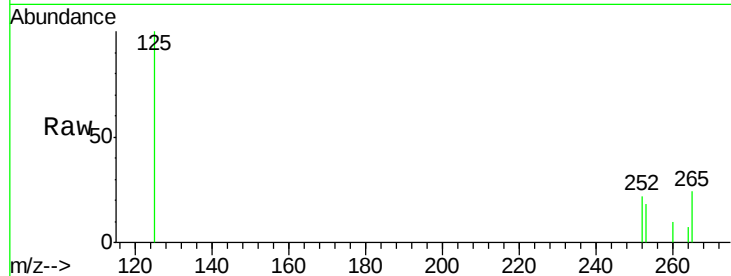
Tot Ion:252 Resp: 7793

Ion Ratio Lower Upper

252 100

253 79.1 0.0 48.0#

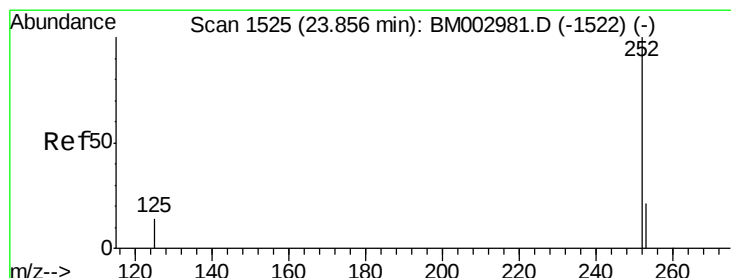
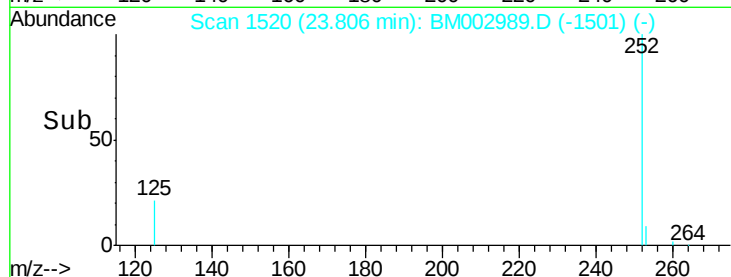
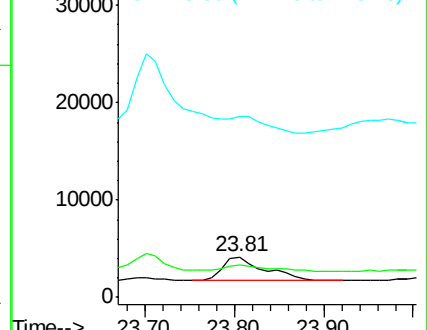
125 449.8 0.0 36.6#



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: 0.09 ng/ul

RT: 23.81 min Scan# 1520

Delta R.T. -0.05 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

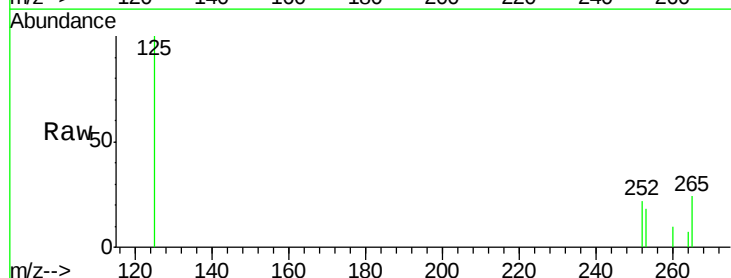
Tgt Ion:252 Resp: 7793

Ion Ratio Lower Upper

252 100

253 79.1 20.8 31.2#

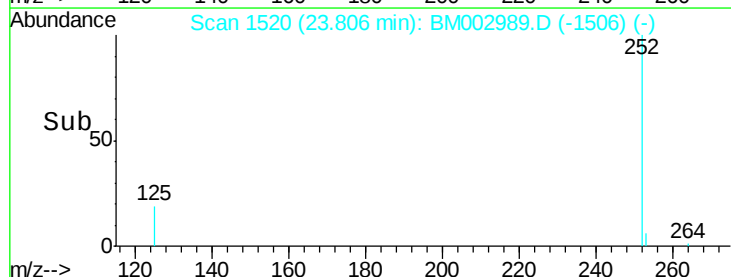
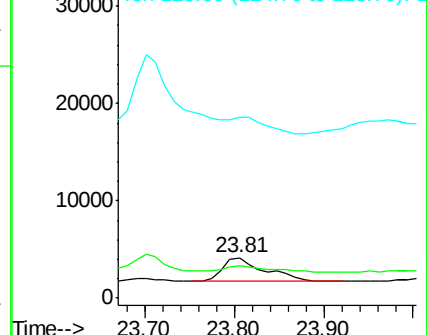
125 449.8 12.2 18.4#

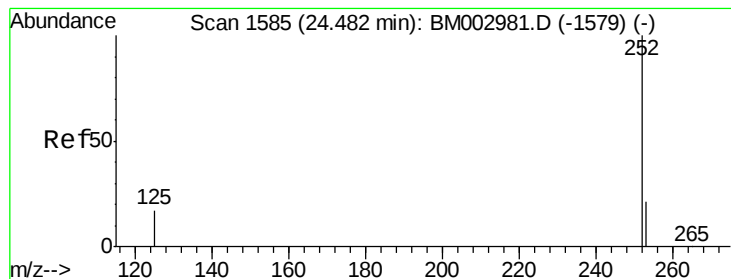


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 24.47 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

Instrument :

BNA_M

ClientSampleId :

JG9H5

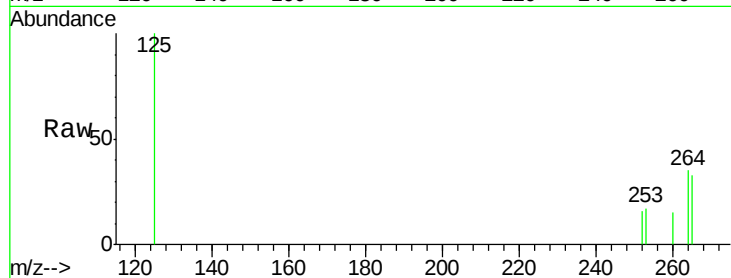
Tot Ion:252 Resp: 1905

Ion Ratio Lower Upper

252 100

253 104.2 21.8 32.8#

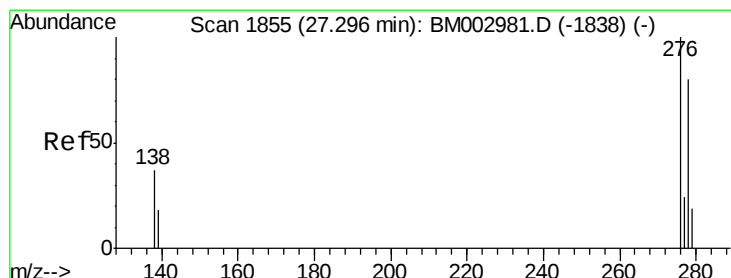
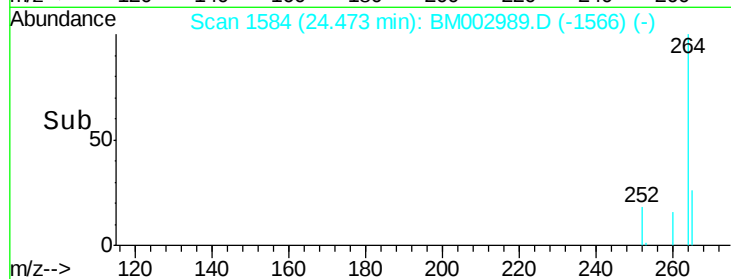
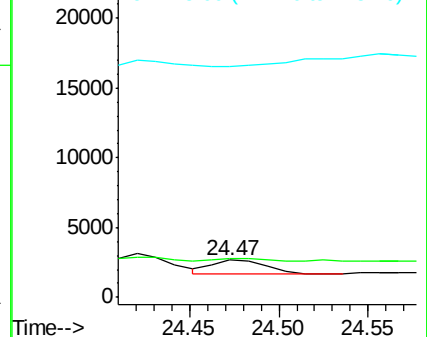
125 621.2 14.5 21.7#



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: 0.03 ng/ul

RT: 27.31 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

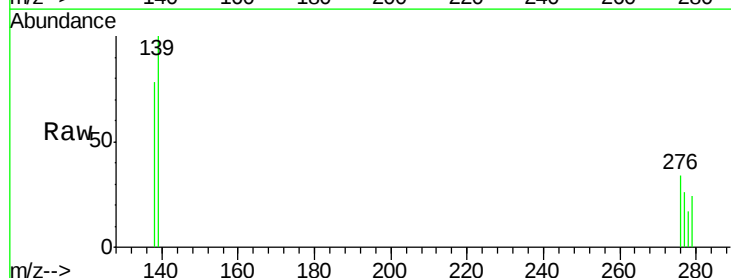
Tgt Ion:276 Resp: 2860

Ion Ratio Lower Upper

276 100

138 73.4 27.5 41.3#

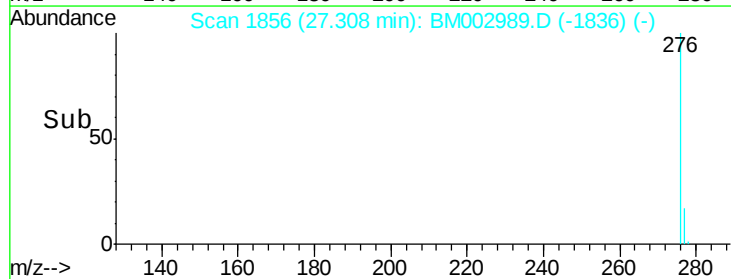
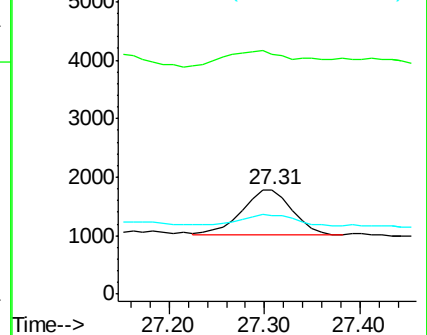
277 28.2 19.3 28.9

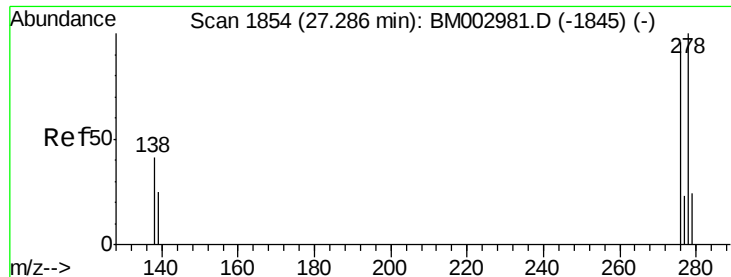


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 27.29 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

Instrument :

BNA_M

ClientSampleId :

JG9H5

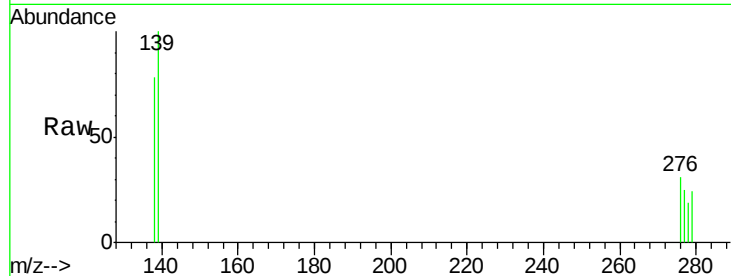
Tot Ion:278 Resp: 890

Ion Ratio Lower Upper

278 100

139 529.0 21.7 32.5#

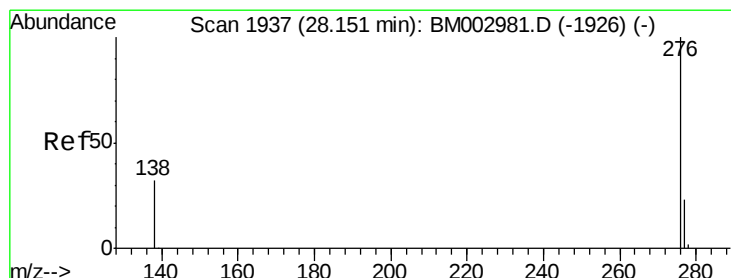
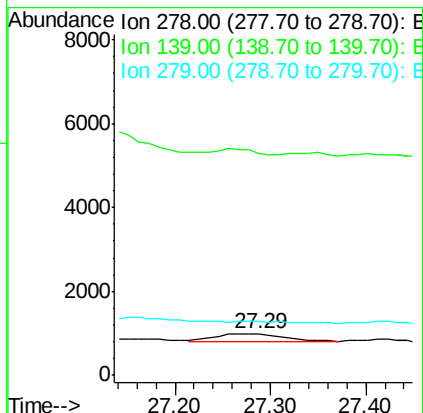
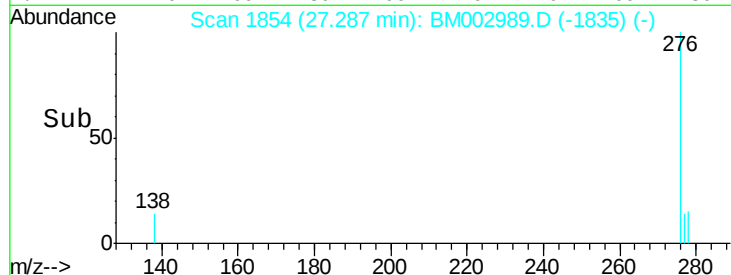
279 128.4 21.9 32.9#



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: 0.05 ng/ul

RT: 28.15 min Scan# 1937

Delta R.T. 0.00 min

Lab File: BM002989.D

Acq: 22 Oct 2015 22:27

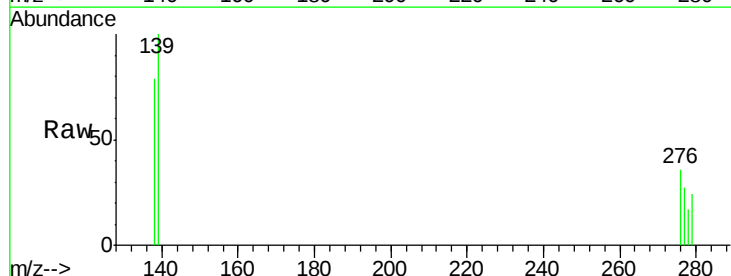
Tgt Ion:276 Resp: 4114

Ion Ratio Lower Upper

276 100

277 73.0 21.3 31.9#

138 215.4 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

