

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003226.D
 Acq On : 20 Nov 2015 18:08
 Operator : UM/IZ
 Sample : G4323-27
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J47

Quant Time: Nov 21 04:25:35 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 21 04:24:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	13963	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	54305	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	28782	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	60852	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	61036	0.40	ng/ul	0.00
22) Perylene-d12	23.60	264	61557	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	43502	2.92	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	11664	0.16	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	24170	0.16	ng/ul	0.00

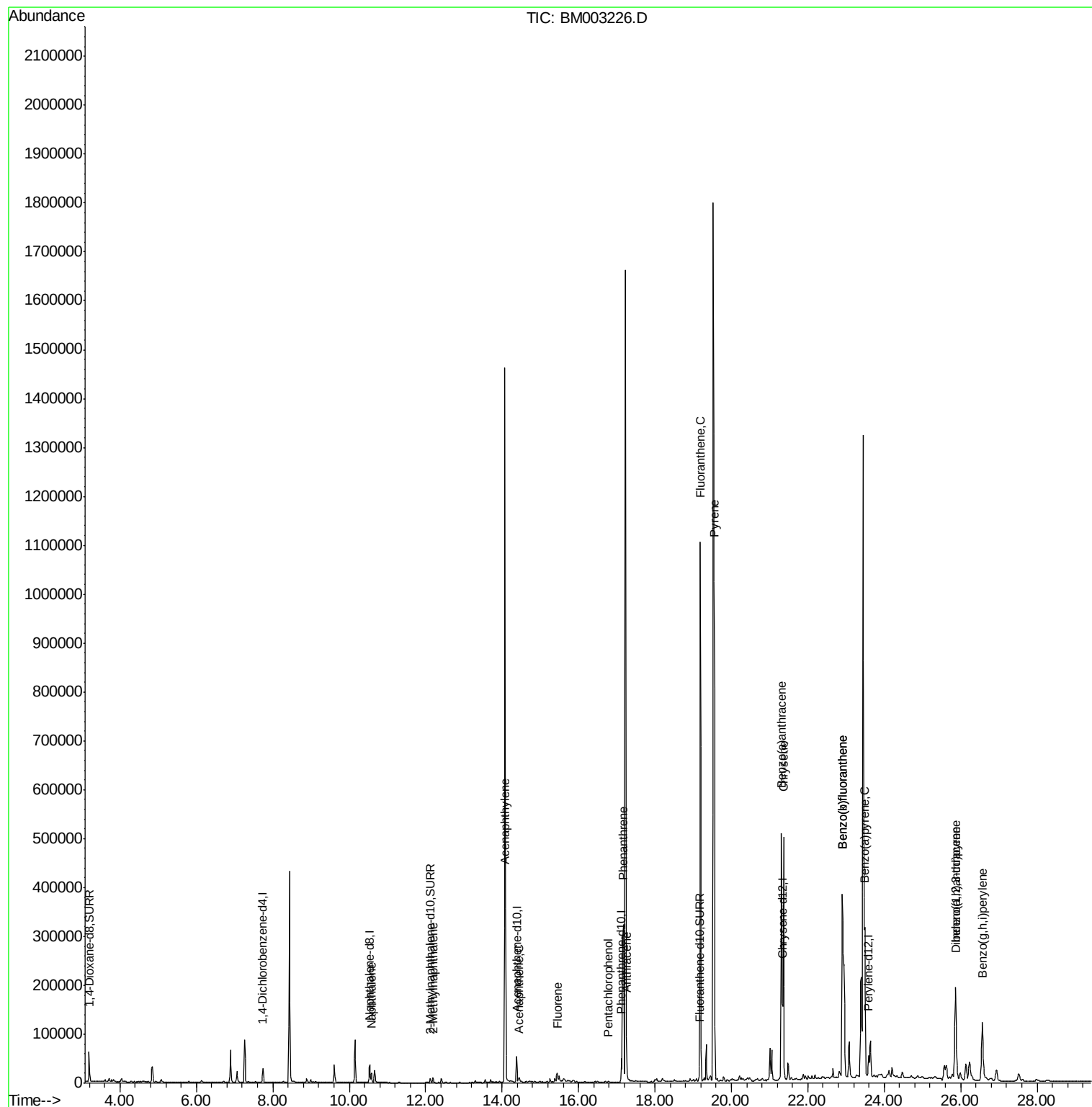
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	29186	0.21	ng/ul	98
7) 2-Methylnaphthalene	12.19	142	7652	0.08	ng/ul#	100
9) Acenaphthylene	14.09	152	85354	0.71	ng/ul	100
10) Acenaphthene	14.45	153	7302	0.07	ng/ul	96
11) Fluorene	15.44	166	23752	0.22	ng/ul	95
13) Pentachlorophenol	16.78	266	976	0.07	ng/ul	96
14) Phenanthrene	17.17	178	487552	2.76	ng/ul	100
15) Anthracene	17.26	178	95384	0.65	ng/ul	99
17) Fluoranthene	19.19	202	1035605	5.29	ng/ul	98
19) Pyrene	19.55	202	952255	4.55	ng/ul	98
20) Benzo(a)anthracene	21.31	228	439098	2.48	ng/ul#	92
21) Chrysene	21.36	228	466702	2.34	ng/ul	97
23) Benzo(b)fluoranthene	22.91	252	854154	3.65	ng/ul	100
24) Benzo(k)fluoranthene	22.91	252	854154	3.86	ng/ul	96
25) Benzo(a)pyrene	23.49	252	421717	2.03	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.87	276	310573	1.25	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.88	278	69115	0.34	ng/ul#	90
28) Benzo(g,h,i)perylene	26.57	276	252006	1.16	ng/ul	98

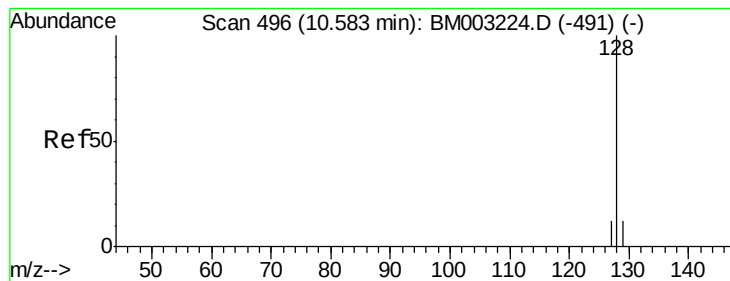
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.21 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003226.D

Acq: 20 Nov 2015 18:08

Instrument :

BNA_M

ClientSampleId :

A4J47

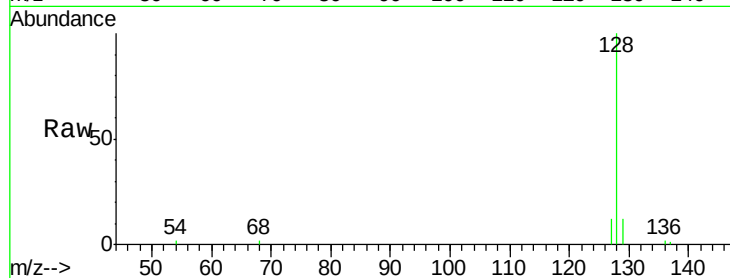
Tgt Ion:128 Resp: 29186

Ion Ratio Lower Upper

128 100

129 12.4 9.0 13.6

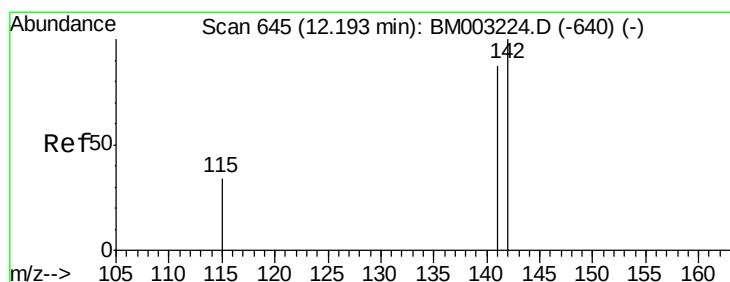
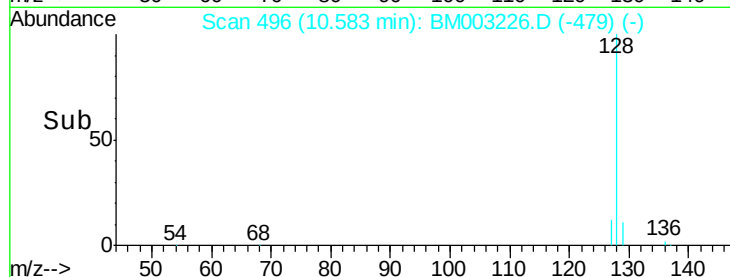
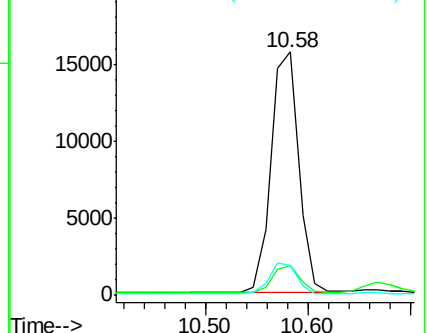
127 12.1 9.6 14.4



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: 0.08 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003226.D

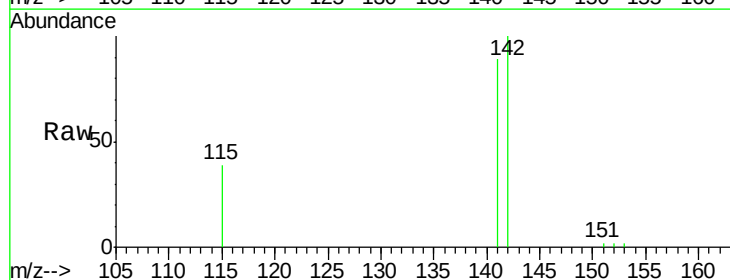
Acq: 20 Nov 2015 18:08

Tgt Ion:142 Resp: 7652

Ion Ratio Lower Upper

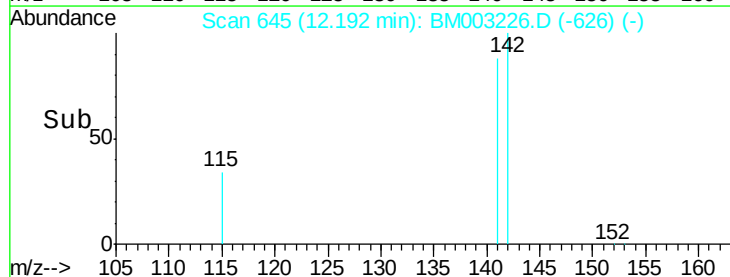
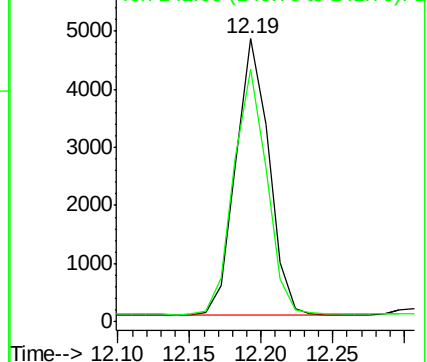
142 100

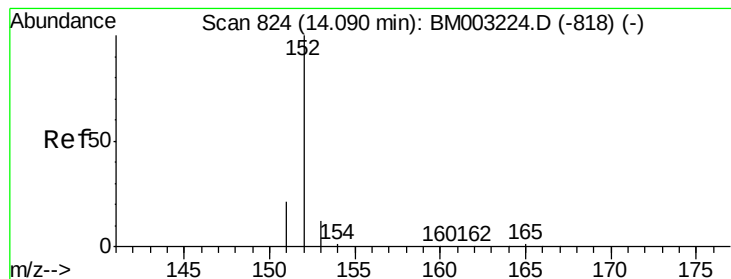
141 89.0 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.71 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003226.D

Acq: 20 Nov 2015 18:08

Instrument :

BNA_M

ClientSampleId :

A4J47

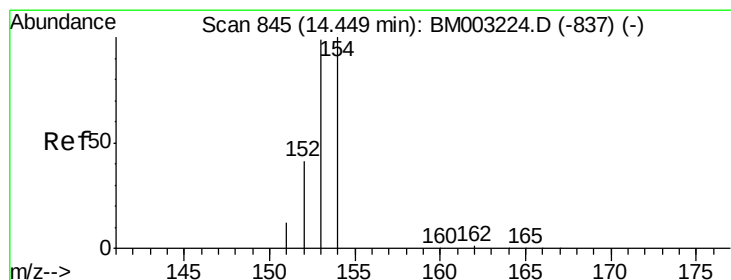
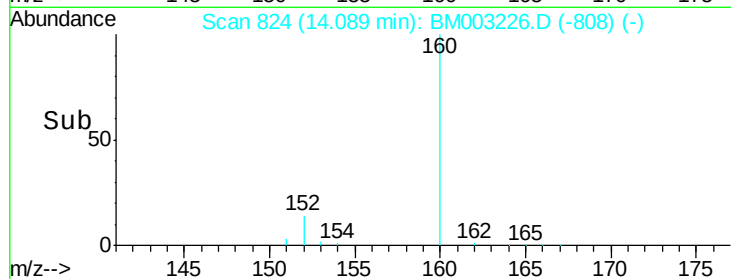
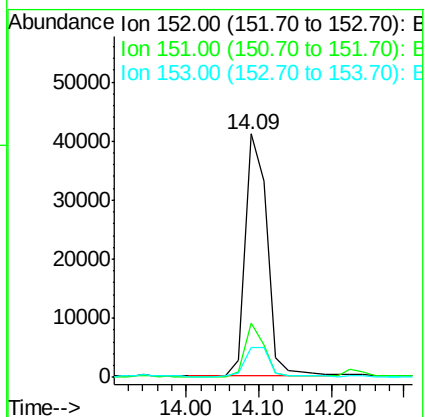
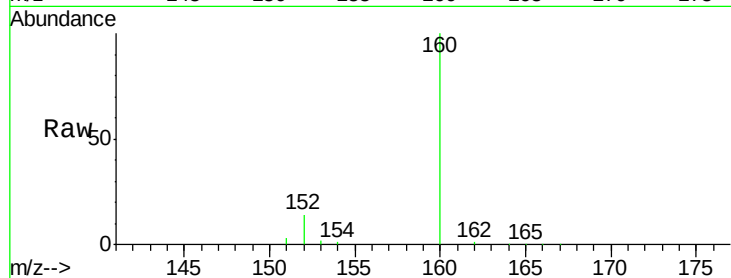
Tgt Ion:152 Resp: 85354

Ion Ratio Lower Upper

152 100

151 22.1 17.6 26.4

153 12.2 9.7 14.5



#10

Acenaphthene

Concen: 0.07 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM003226.D

Acq: 20 Nov 2015 18:08

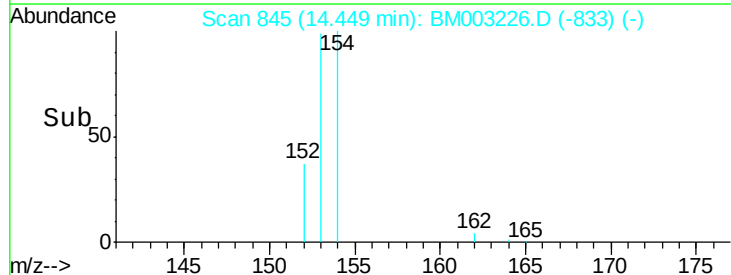
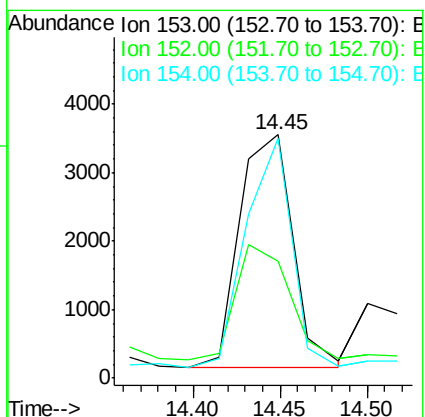
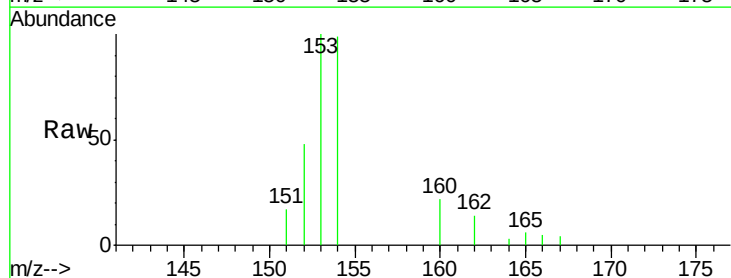
Tgt Ion:153 Resp: 7302

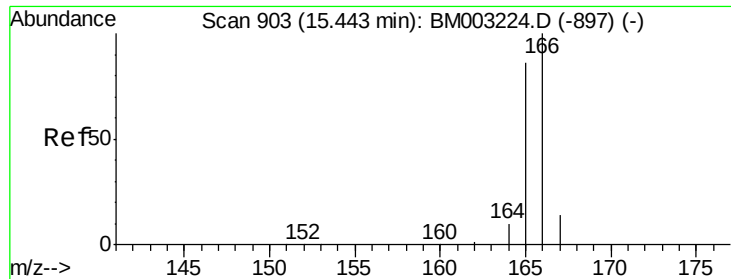
Ion Ratio Lower Upper

153 100

152 48.1 33.9 50.9

154 98.7 80.6 121.0

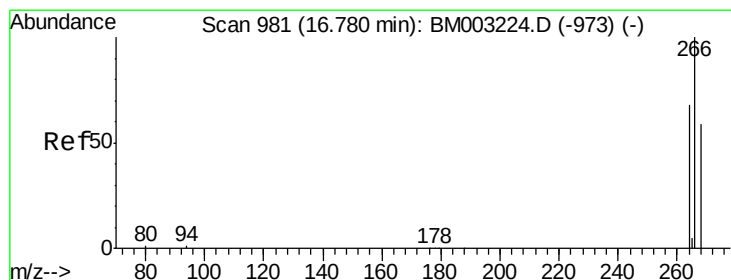
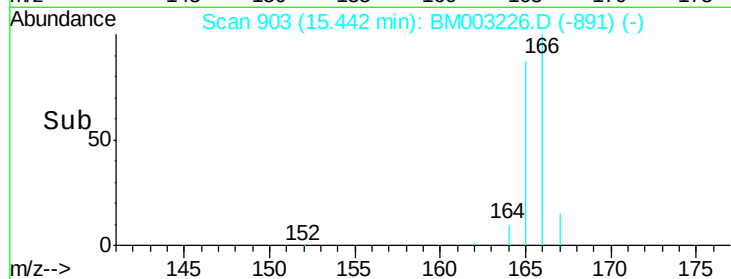
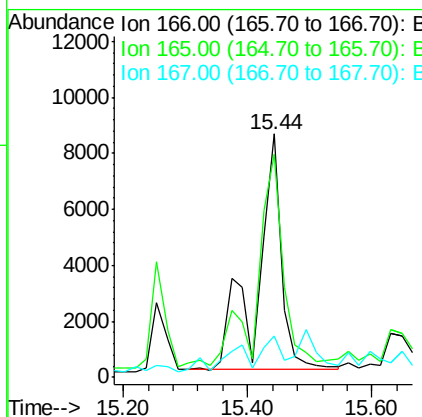
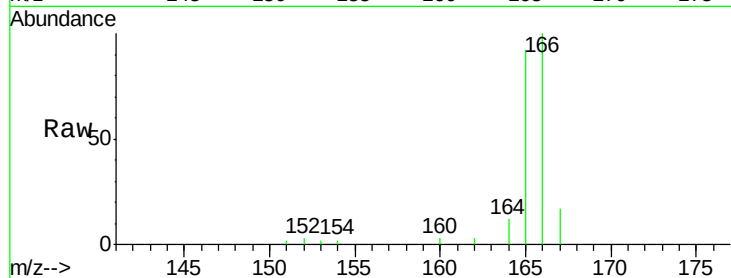




#11
Fluorene
 Concen: 0.22 ng/ul
 RT: 15.44 min Scan# 903
 Delta R.T. -0.00 min
 Lab File: BM003226.D
 Acq: 20 Nov 2015 18:08

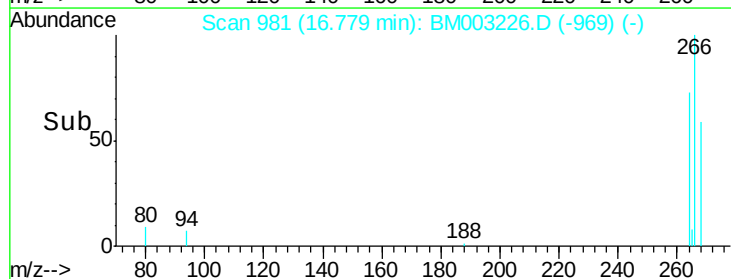
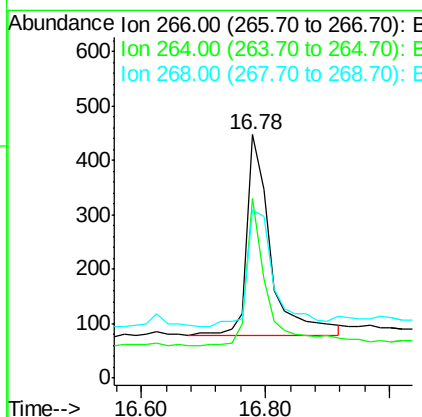
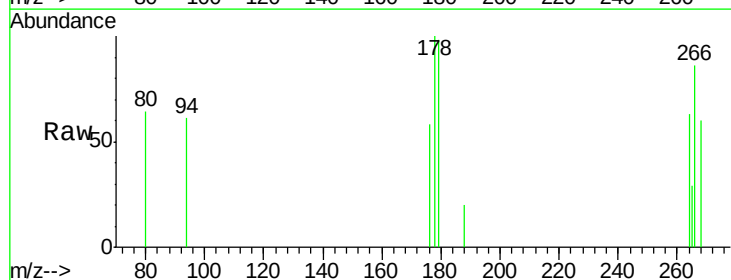
Instrument :
 BNA_M
 ClientSampleId :
 A4J47

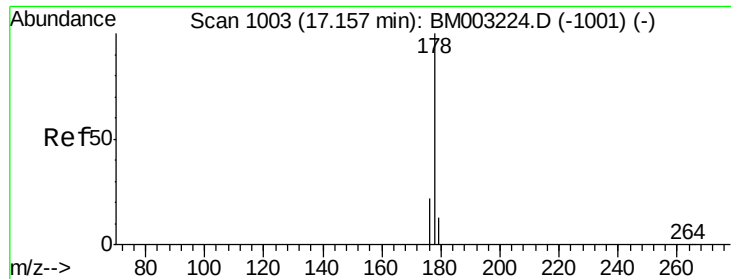
Tgt Ion:166 Resp: 23752
 Ion Ratio Lower Upper
 166 100
 165 91.5 69.6 104.4
 167 17.1 11.9 17.9



#13
Pentachlorophenol
 Concen: 0.07 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003226.D
 Acq: 20 Nov 2015 18:08

Tgt Ion:266 Resp: 976
 Ion Ratio Lower Upper
 266 100
 264 63.7 51.8 77.8
 268 64.4 46.8 70.2





#14

Phenanthrene

Concen: 2.76 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. 0.02 min

Lab File: BM003226.D

Acq: 20 Nov 2015 18:08

Instrument :

BNA_M

ClientSampleId :

A4J47

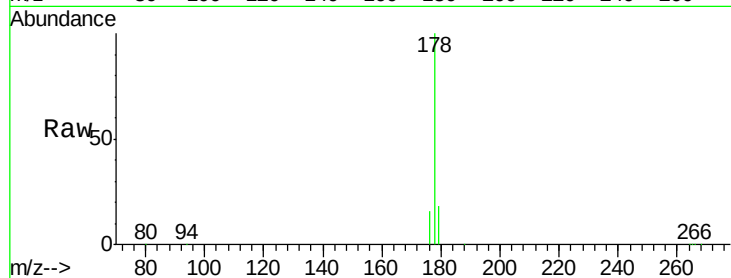
Tgt Ion:178 Resp: 487552

Ion Ratio Lower Upper

178 100

176 15.9 13.0 19.4

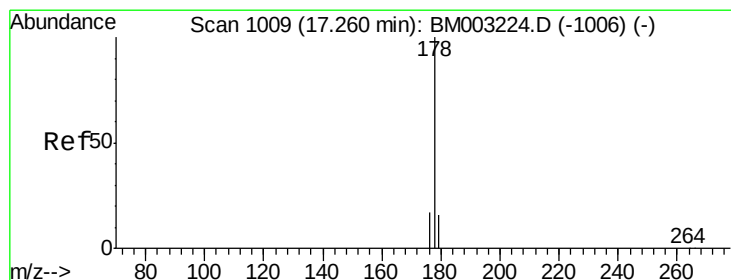
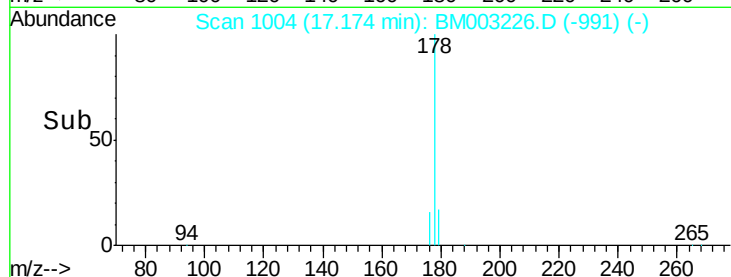
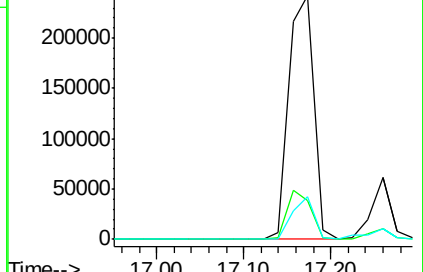
179 17.6 14.2 21.2



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: 0.65 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003226.D

Acq: 20 Nov 2015 18:08

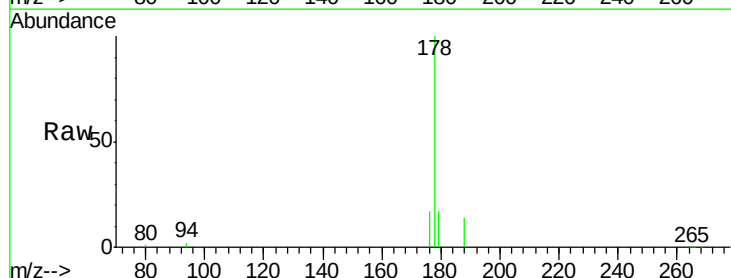
Tgt Ion:178 Resp: 95384

Ion Ratio Lower Upper

178 100

176 17.3 14.0 21.0

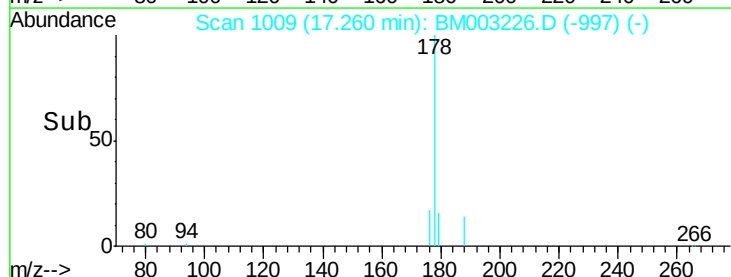
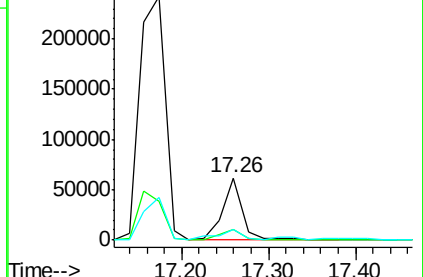
179 16.6 12.9 19.3

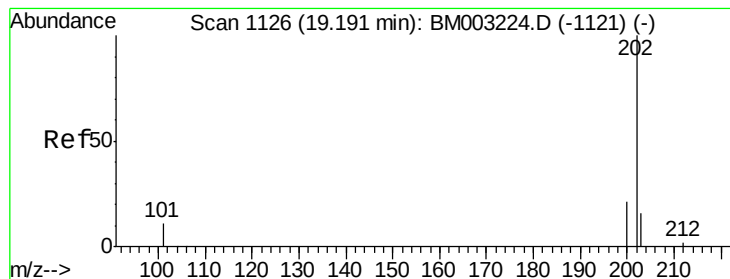


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 5.29 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003226.D

Acq: 20 Nov 2015 18:08

Instrument :

BNA_M

ClientSampleId :

A4J47

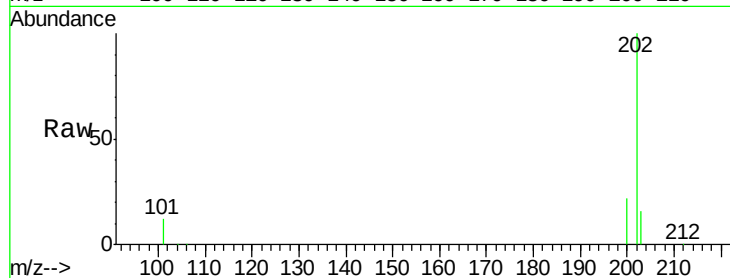
Tgt Ion:202 Resp: 1035605

Ion Ratio Lower Upper

202 100

101 11.8 0.0 29.6

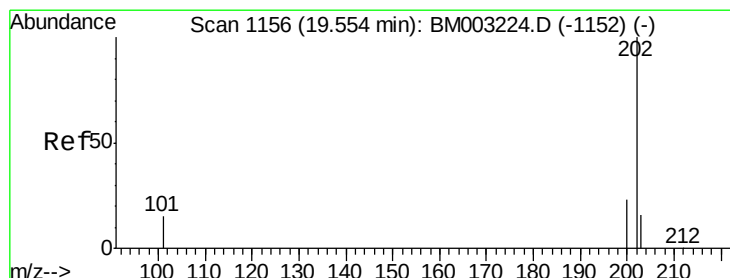
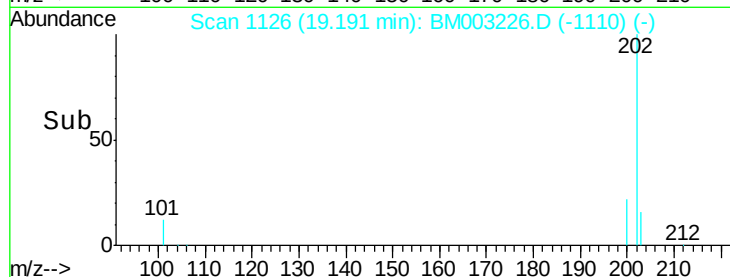
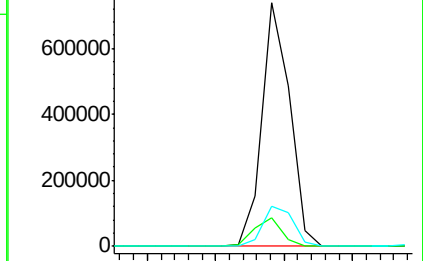
203 16.3 0.0 36.3



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: 4.55 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BM003226.D

Acq: 20 Nov 2015 18:08

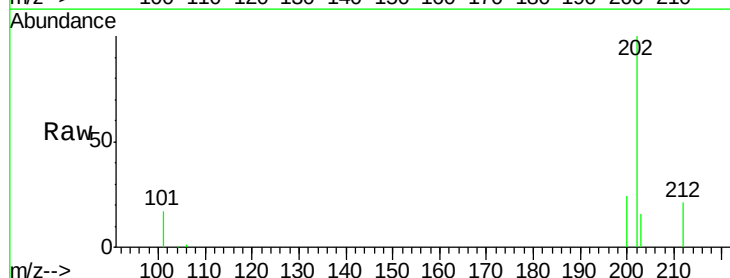
Tgt Ion:202 Resp: 952255

Ion Ratio Lower Upper

202 100

200 24.0 17.8 26.8

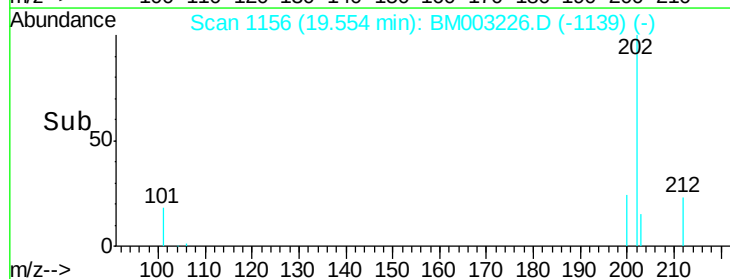
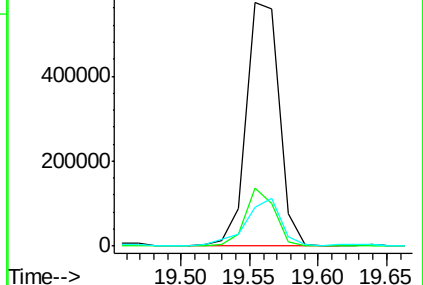
203 15.8 12.8 19.2

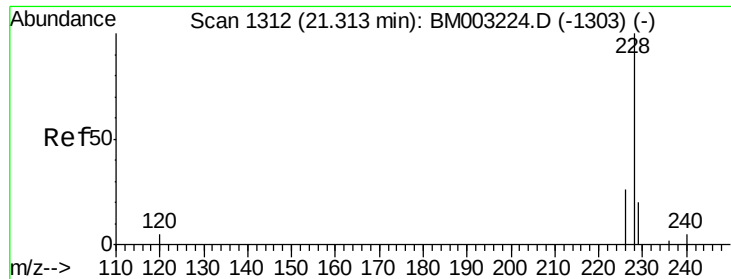


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 2.48 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BM003226.D

Acq: 20 Nov 2015 18:08

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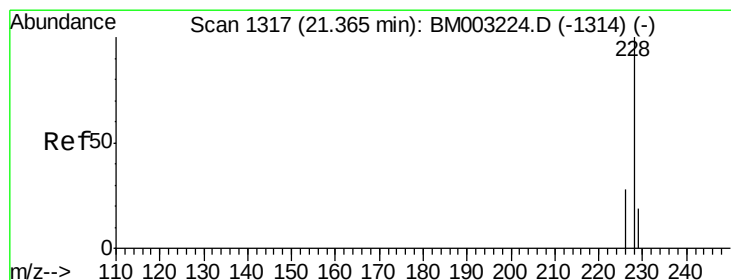
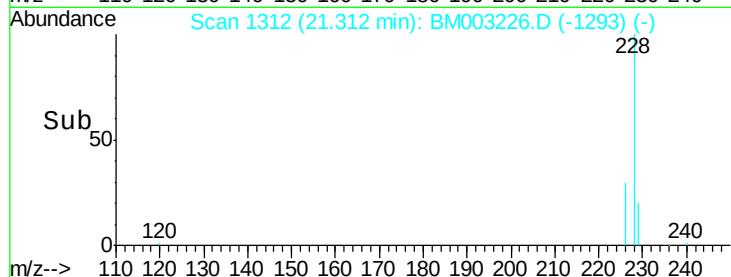
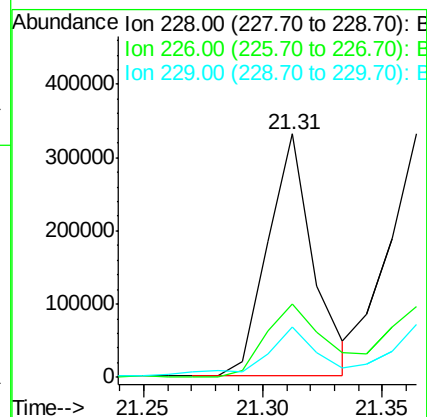
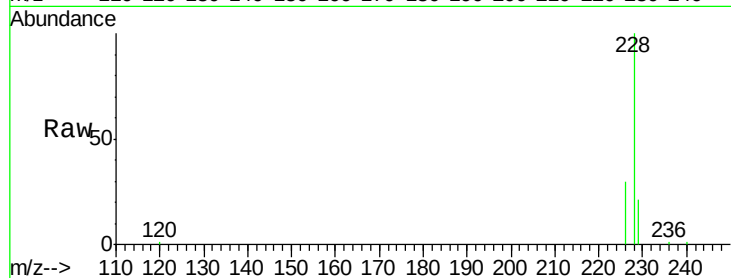
Tgt Ion:228 Resp: 439098

Ion Ratio Lower Upper

228 100

226 30.3 18.8 28.2#

229 20.6 17.1 25.7



#21

Chrysene

Concen: 2.34 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM003226.D

Acq: 20 Nov 2015 18:08

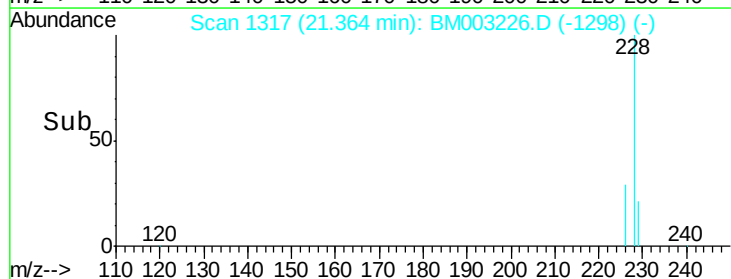
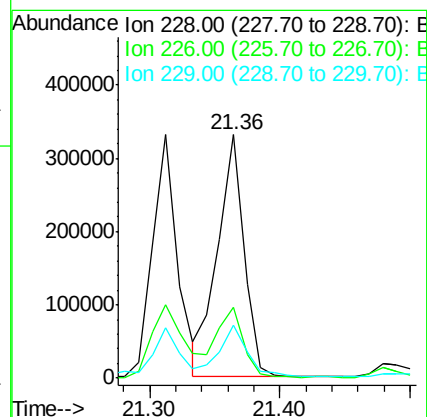
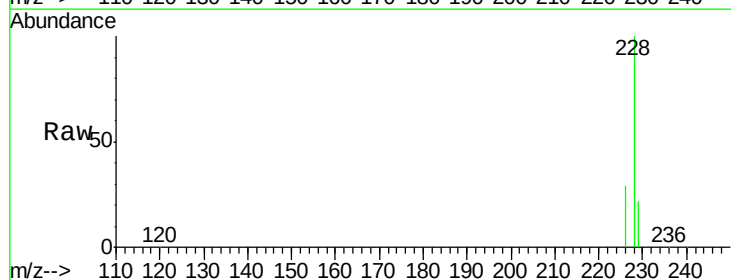
Tgt Ion:228 Resp: 466702

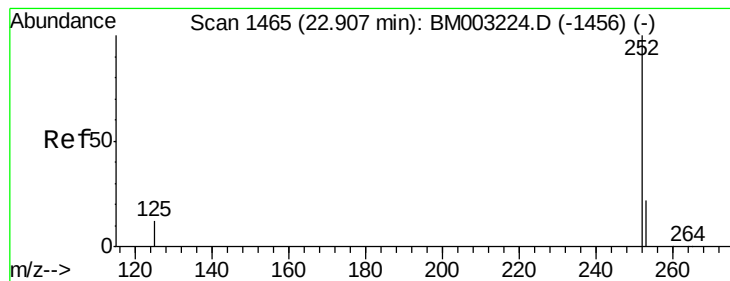
Ion Ratio Lower Upper

228 100

226 29.0 21.2 31.8

229 21.8 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 3.65 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BM003226.D

Acq: 20 Nov 2015 18:08

Instrument :

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A4J47

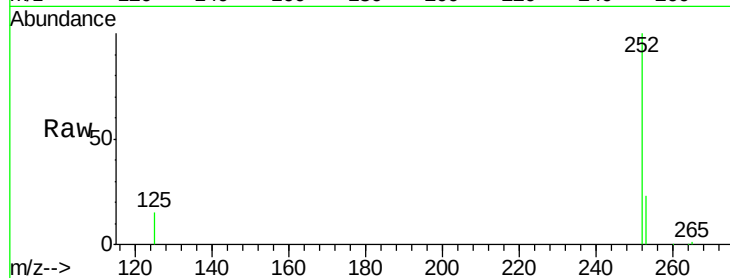
Tgt Ion:252 Resp: 854154

Ion Ratio Lower Upper

252 100

253 22.5 0.0 45.4

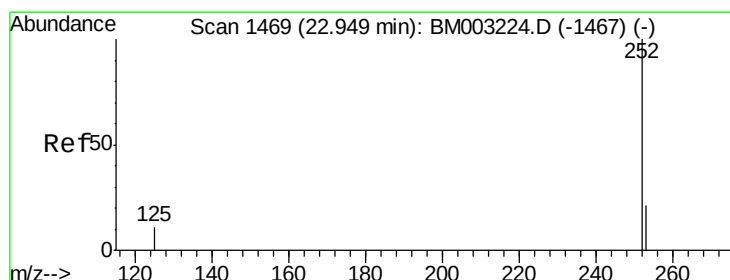
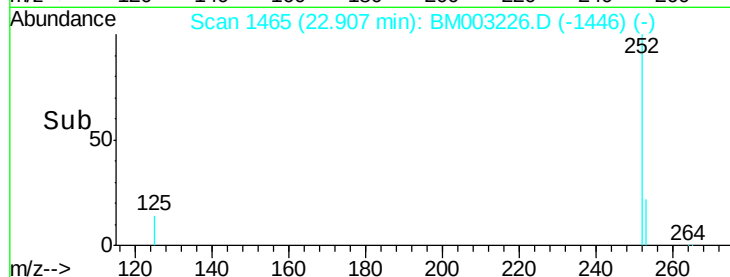
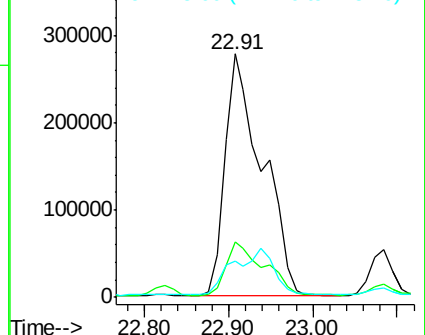
125 14.6 0.0 28.8



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: 3.86 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003226.D

Acq: 20 Nov 2015 18:08

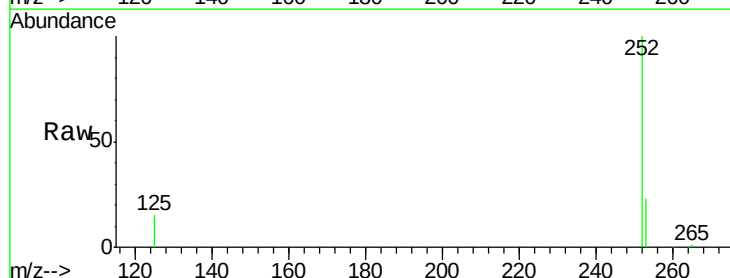
Tgt Ion:252 Resp: 854154

Ion Ratio Lower Upper

252 100

253 22.5 19.8 29.8

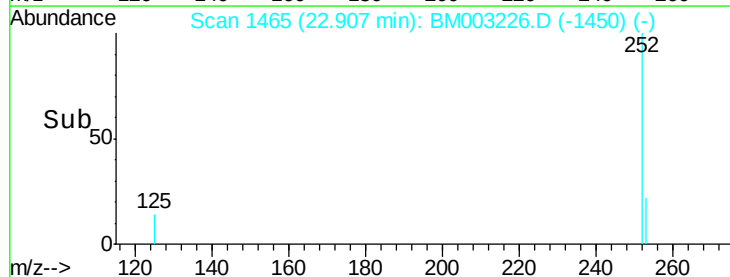
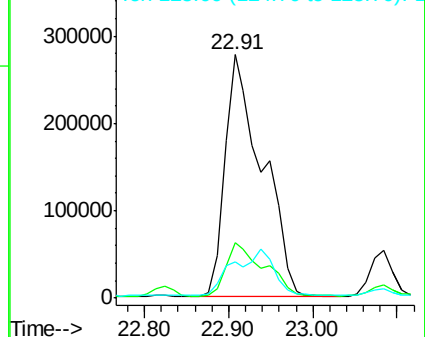
125 14.6 10.4 15.6

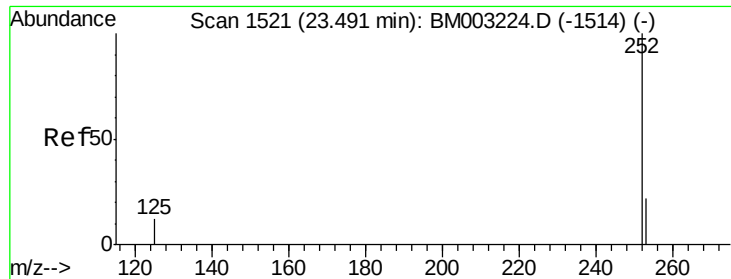


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 2.03 ng/ul

RT: 23.49 min Scan# 1521

Delta R.T. -0.00 min

Lab File: BM003226.D

Acq: 20 Nov 2015 18:08

Instrument :

BNA_M

ClientSampleId :

A4J47

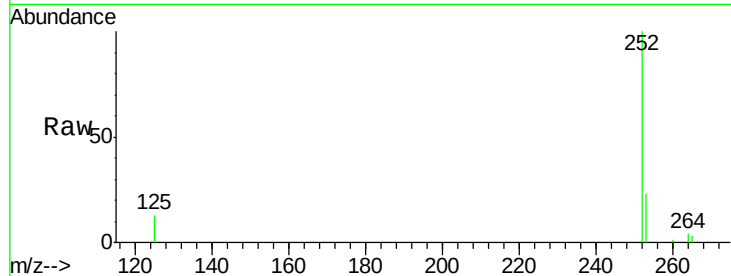
Tgt Ion:252 Resp: 421717

Ion Ratio Lower Upper

252 100

253 23.2 19.4 29.2

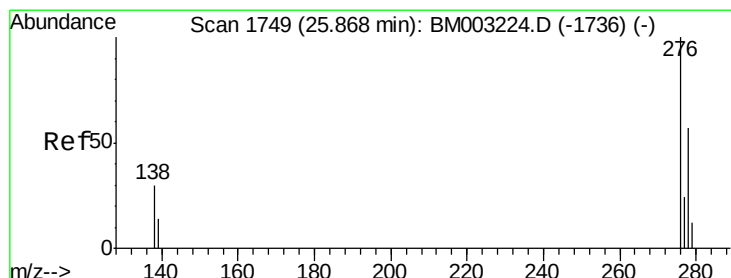
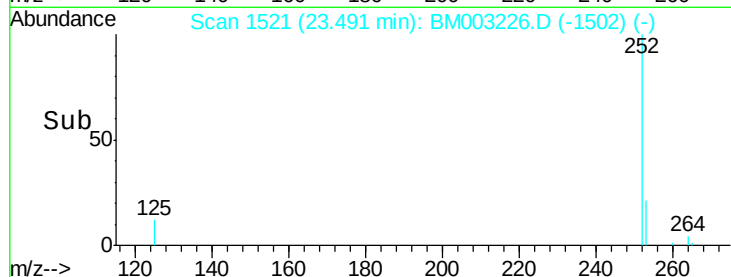
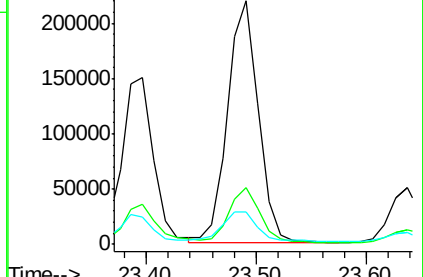
125 13.1 12.7 19.1



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: 1.25 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BM003226.D

Acq: 20 Nov 2015 18:08

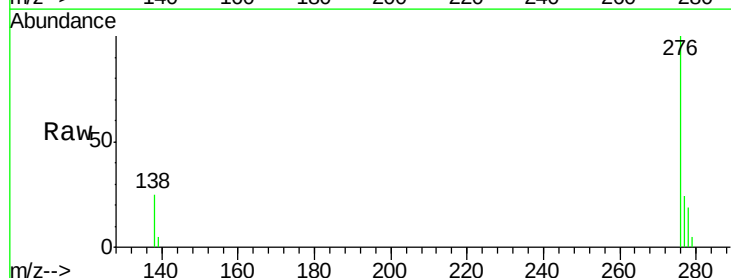
Tgt Ion:276 Resp: 310573

Ion Ratio Lower Upper

276 100

138 25.7 16.3 24.5#

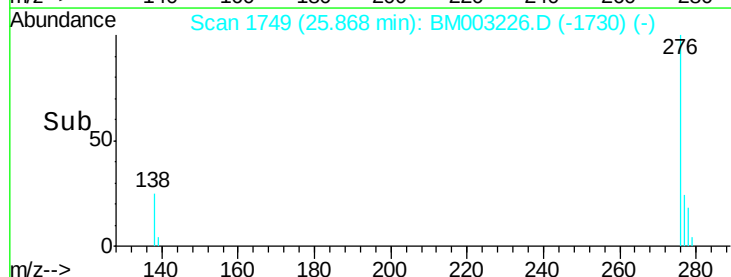
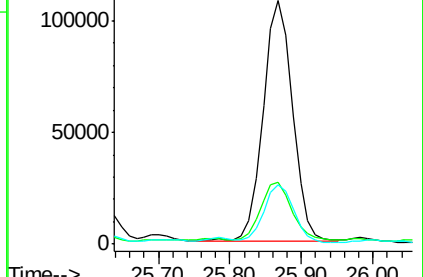
277 23.7 19.8 29.8

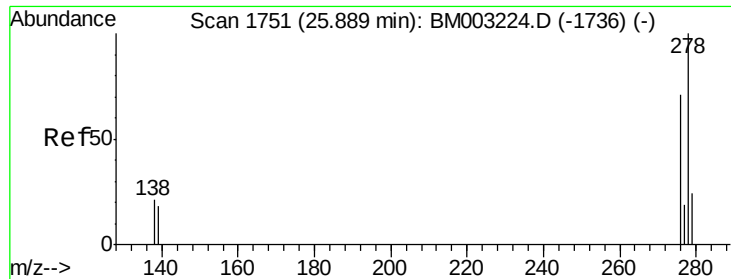


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

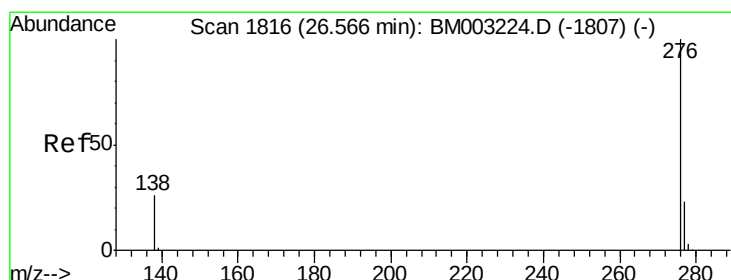
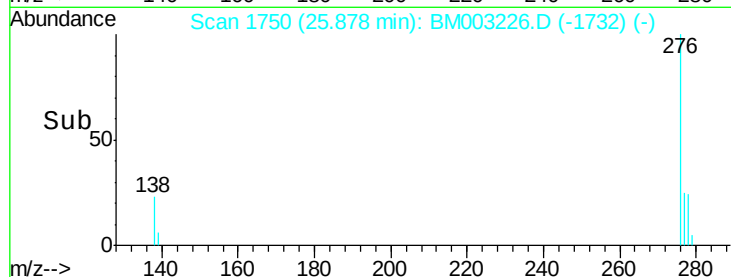
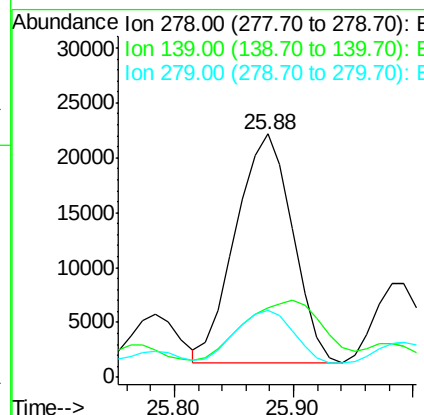
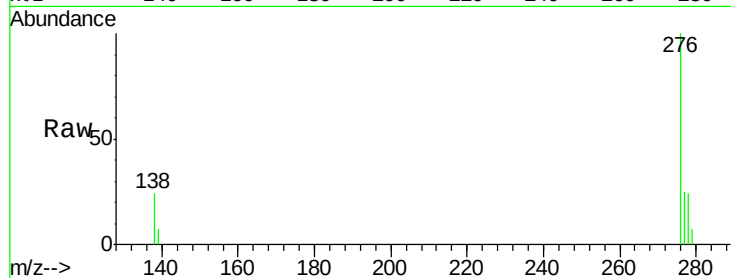




#27
Dibenzo(a,h)anthracene
Concen: 0.34 ng/ul
RT: 25.88 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BM003226.D
Acq: 20 Nov 2015 18:08

Instrument :
BNA_M
ClientSampleId :
A4J47

Tgt Ion: 278 Resp: 69115
Ion Ratio Lower Upper
278 100
139 28.7 16.4 24.6#
279 27.5 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 1.16 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BM003226.D
Acq: 20 Nov 2015 18:08

Tgt Ion: 276 Resp: 252006
Ion Ratio Lower Upper
276 100
277 24.4 18.9 28.3
138 26.7 22.5 33.7

