

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003231.D
 Acq On : 20 Nov 2015 21:08
 Operator : UM/IZ
 Sample : G4322-06RXDL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HR7DL

Quant Time: Nov 21 04:27:05 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

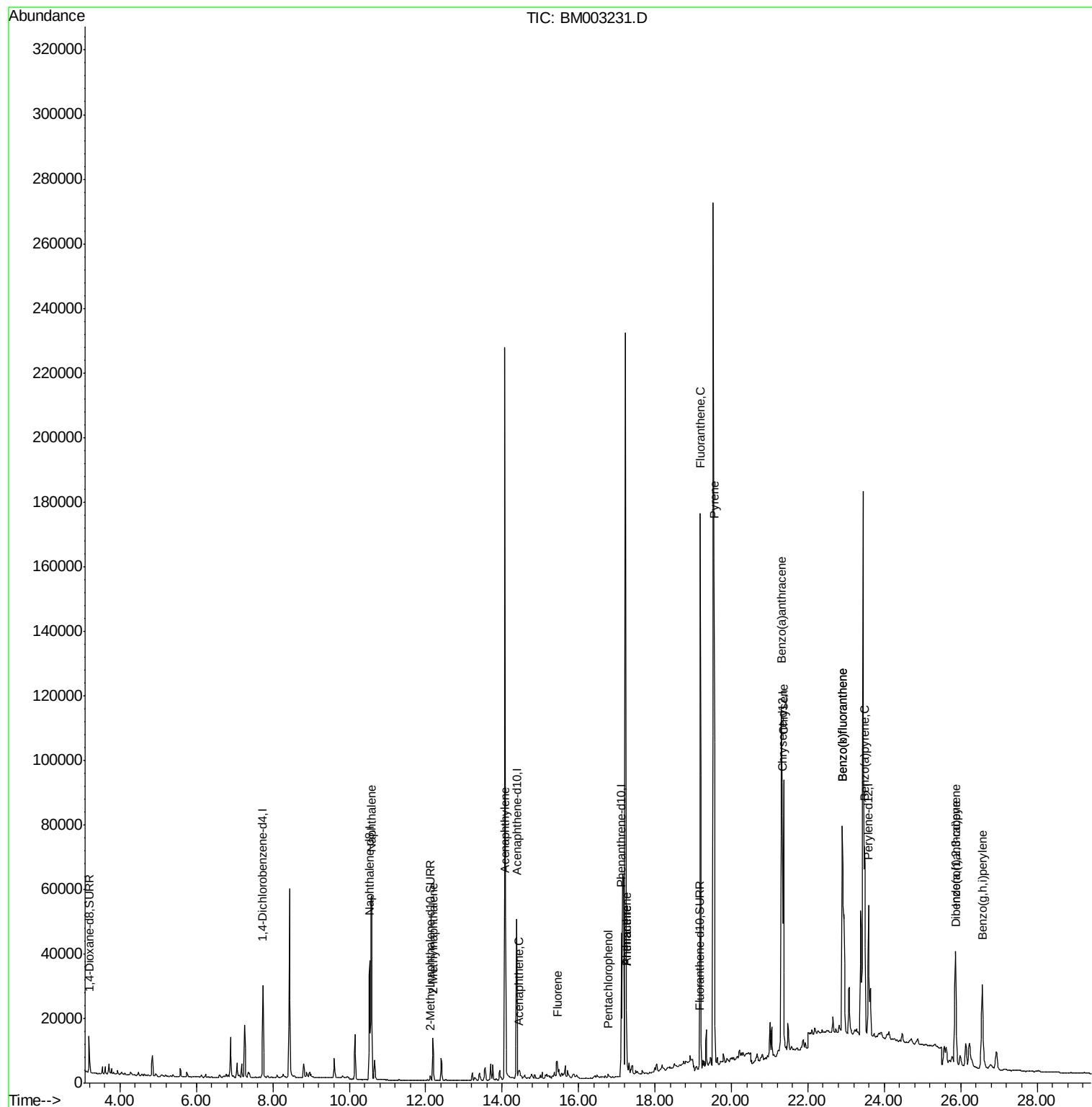
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	14337	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	55815	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	27628	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	56681	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	55604	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	55169	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	8298	0.54	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	2003	0.03	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	4303	0.03	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.58	128	88763	0.62	ng/ul	99
7) 2-Methylnaphthalene	12.19	142	9392	0.10	ng/ul#	100
9) Acenaphthylene	14.09	152	13438	0.12	ng/ul	97
10) Acenaphthene	14.45	153	2297	0.02	ng/ul#	87
11) Fluorene	15.44	166	6461	0.06	ng/ul#	90
13) Pentachlorophenol	16.78	266	980	0.07	ng/ul	93
14) Phenanthrene	17.26	178	20440	0.12	ng/ul	97
15) Anthracene	17.26	178	22876	0.17	ng/ul	97
17) Fluoranthene	19.19	202	157029	0.86	ng/ul	97
19) Pyrene	19.55	202	143062	0.75	ng/ul	98
20) Benzo(a)anthracene	21.31	228	93604	0.58	ng/ul#	87
21) Chrysene	21.36	228	85078	0.47	ng/ul#	93
23) Benzo(b)fluoranthene	22.91	252	149020	0.71	ng/ul	86
24) Benzo(k)fluoranthene	22.91	252	149020	0.75	ng/ul#	88
25) Benzo(a)pyrene	23.48	252	79343	0.43	ng/ul#	88
26) Indeno(1,2,3-cd)pyrene	25.87	276	56728	0.26	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.88	278	14793	0.08	ng/ul#	59
28) Benzo(g,h,i)perylene	26.57	276	54873	0.28	ng/ul	96

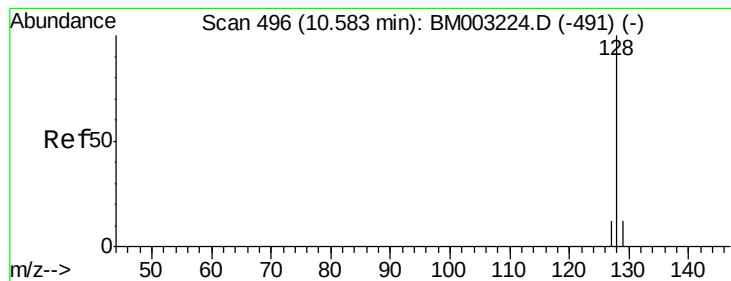
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.62 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003231.D

Acq: 20 Nov 2015 21:08

Instrument :

BNA_M

ClientSampleId :

A4HR7DL

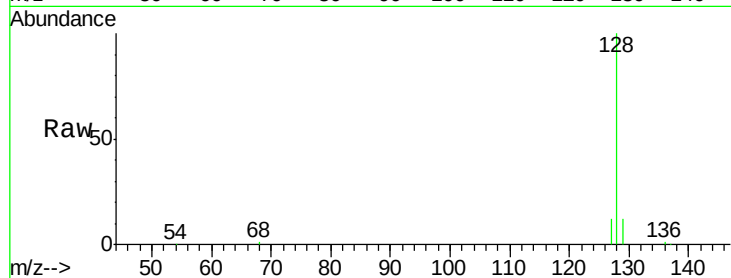
Tgt Ion:128 Resp: 88763

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

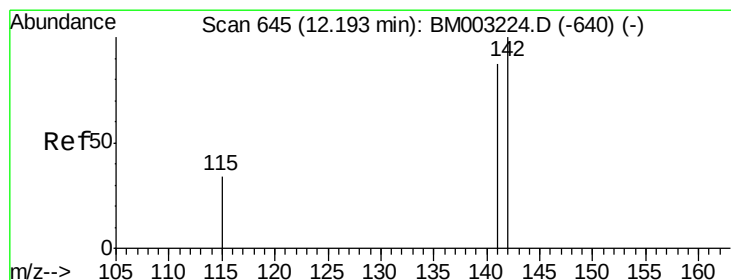
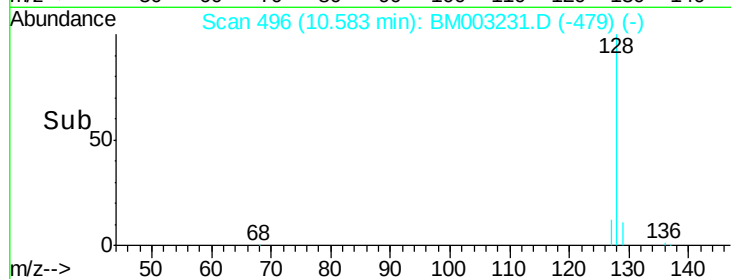
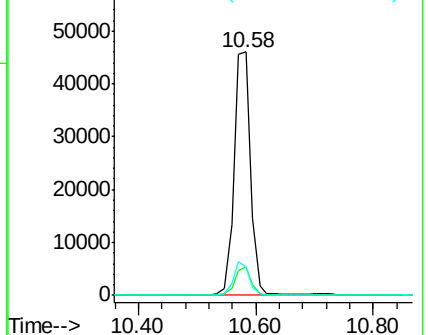
127 11.8 9.6 14.4



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: 0.10 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003231.D

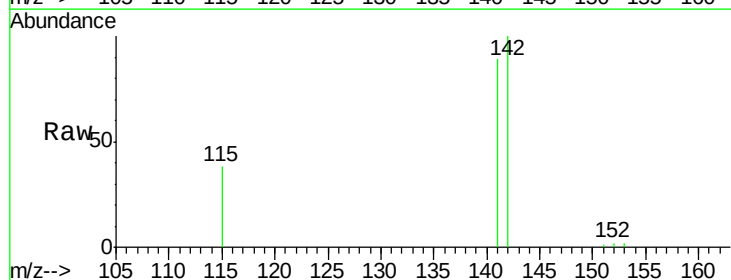
Acq: 20 Nov 2015 21:08

Tgt Ion:142 Resp: 9392

Ion Ratio Lower Upper

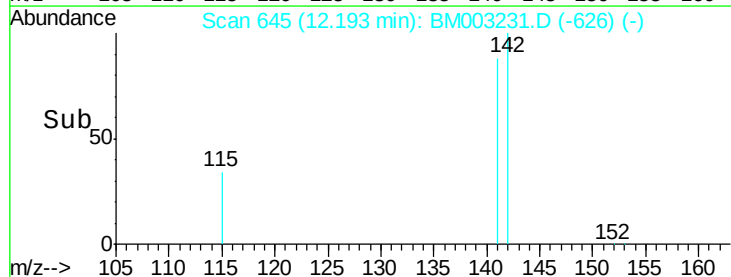
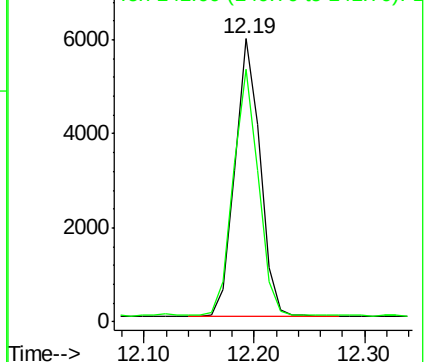
142 100

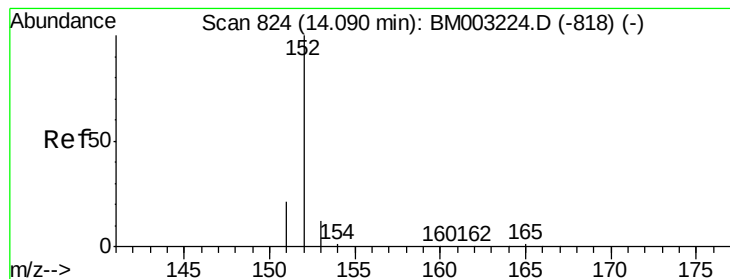
141 88.2 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.12 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003231.D

Acq: 20 Nov 2015 21:08

Instrument :

BNA_M

ClientSampleId :

A4HR7DL

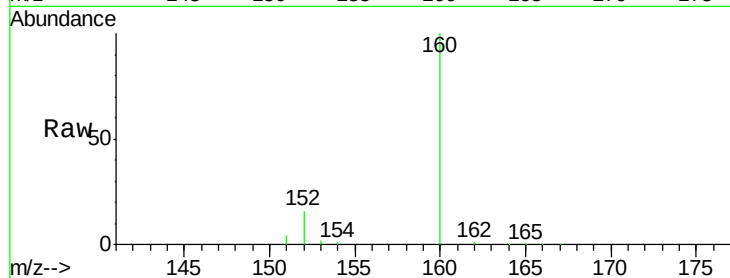
Tgt Ion:152 Resp: 13438

Ion Ratio Lower Upper

152 100

151 23.0 17.6 26.4

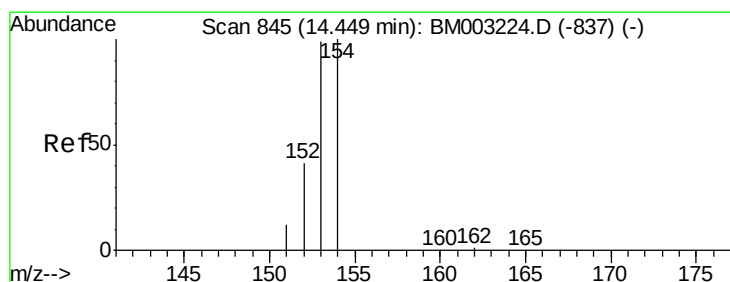
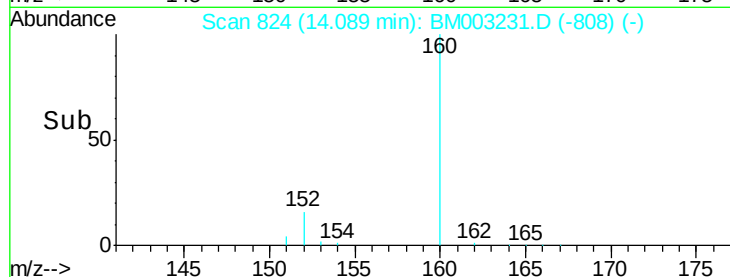
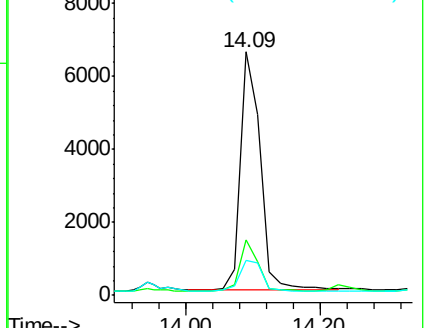
153 14.2 9.7 14.5



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: 14.45 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM003231.D

Acq: 20 Nov 2015 21:08

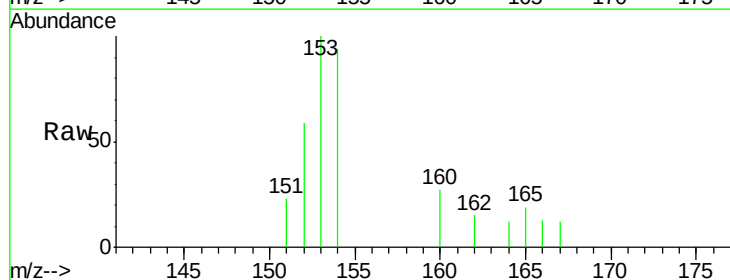
Tgt Ion:153 Resp: 2297

Ion Ratio Lower Upper

153 100

152 59.1 33.9 50.9#

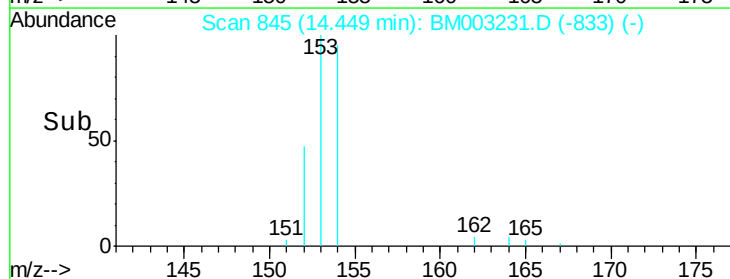
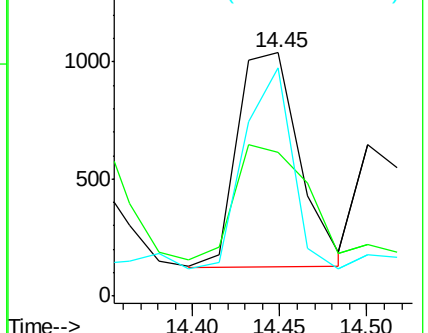
154 93.6 80.6 121.0

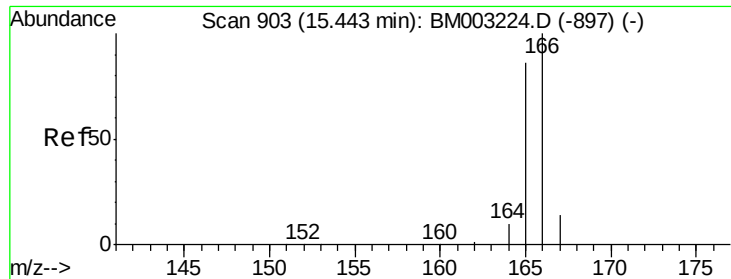


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

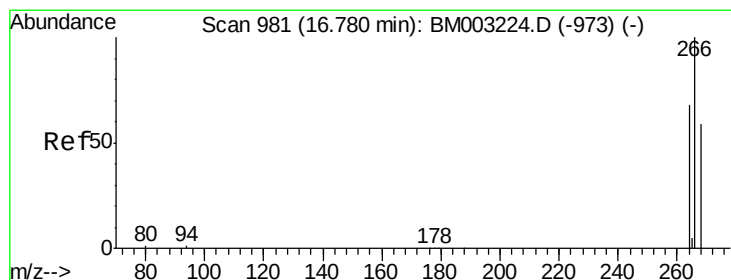
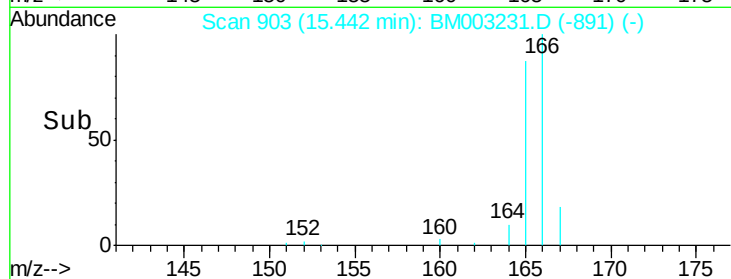
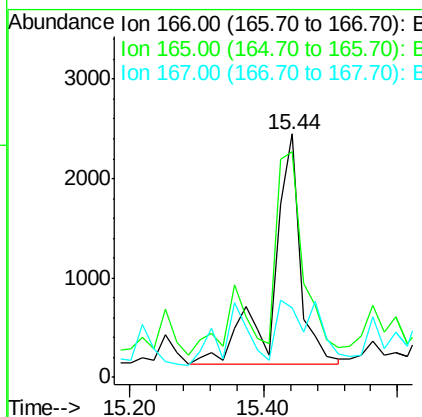
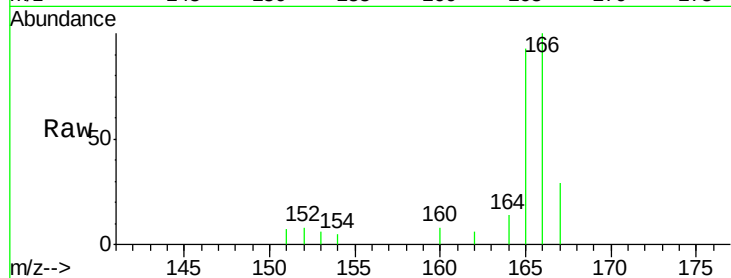




#11
 Fluorene
 Concen: 0.06 ng/ul
 RT: 15.44 min Scan# 903
 Delta R.T. -0.00 min
 Lab File: BM003231.D
 Acq: 20 Nov 2015 21:08

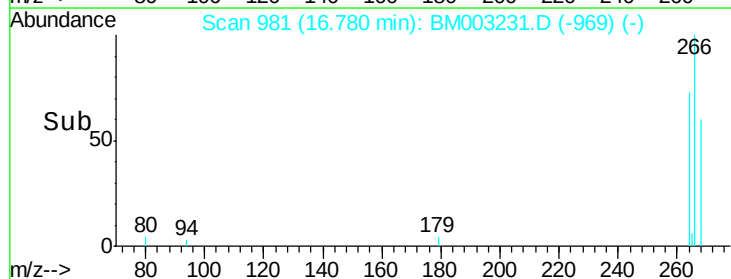
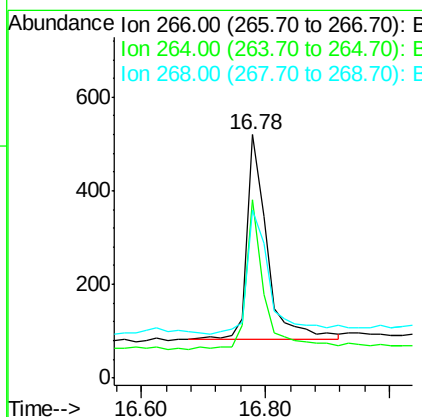
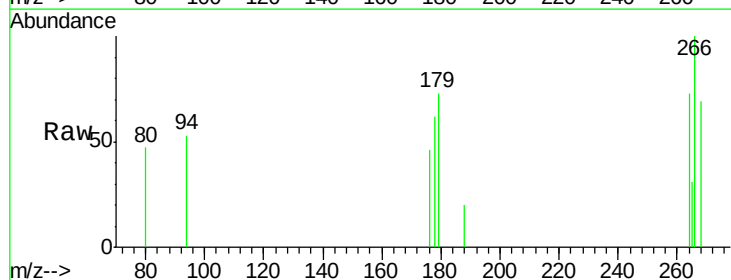
Instrument :
 BNA_M
 ClientSampleId :
 A4HR7DL

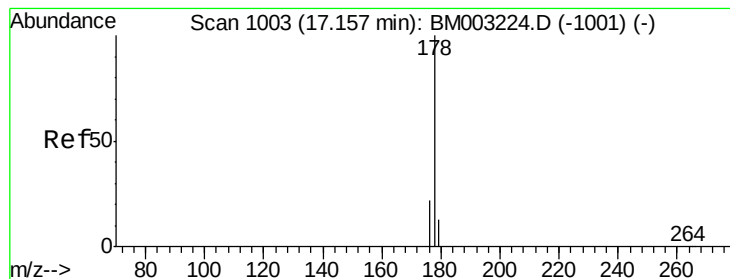
Tgt Ion:166 Resp: 6461
 Ion Ratio Lower Upper
 166 100
 165 92.8 69.6 104.4
 167 28.6 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.07 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003231.D
 Acq: 20 Nov 2015 21:08

Tgt Ion:266 Resp: 980
 Ion Ratio Lower Upper
 266 100
 264 65.5 51.8 77.8
 268 68.6 46.8 70.2





#14

Phenanthrene

Concen: 0.12 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.10 min

Lab File: BM003231.D

Acq: 20 Nov 2015 21:08

Instrument :

BNA_M

ClientSampleId :

A4HR7DL

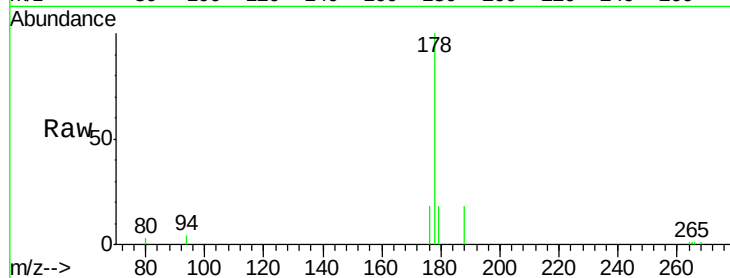
Tgt Ion:178 Resp: 20440

Ion Ratio Lower Upper

178 100

176 18.2 13.0 19.4

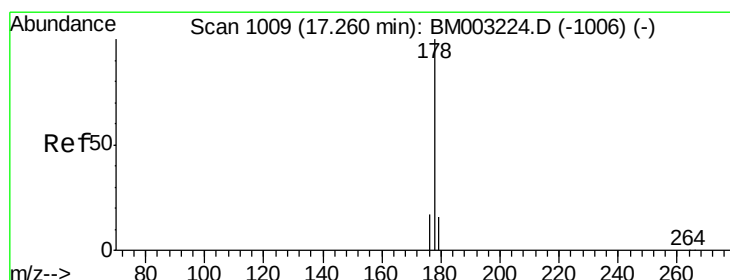
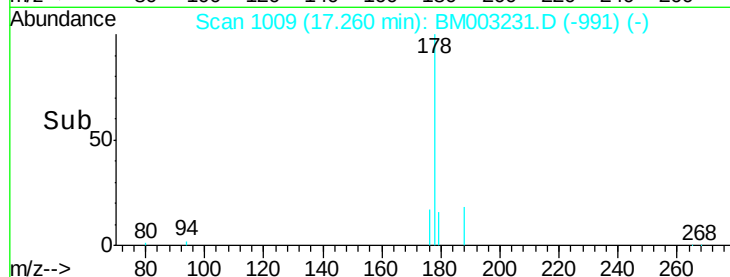
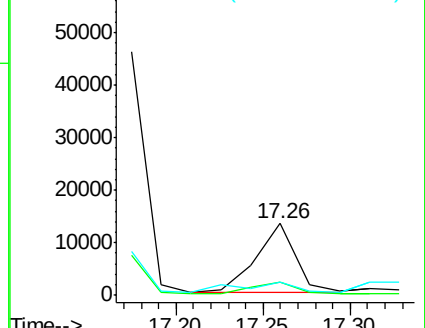
179 18.1 14.2 21.2



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: 0.17 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003231.D

Acq: 20 Nov 2015 21:08

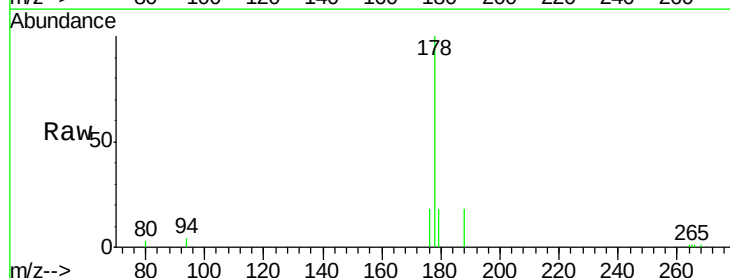
Tgt Ion:178 Resp: 22876

Ion Ratio Lower Upper

178 100

176 18.2 14.0 21.0

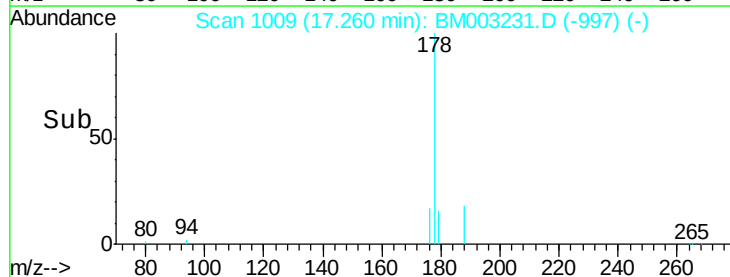
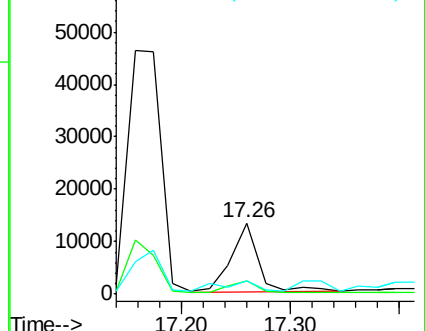
179 18.1 12.9 19.3

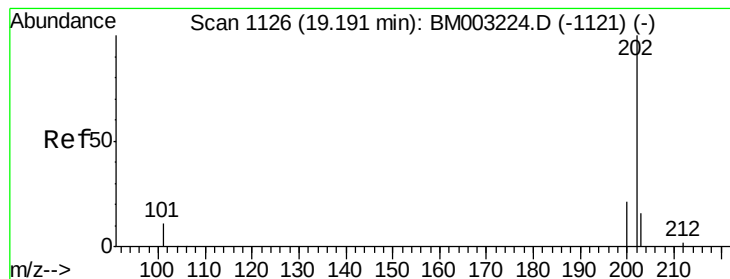


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.86 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003231.D

Acq: 20 Nov 2015 21:08

Instrument :

BNA_M

ClientSampleId :

A4HR7DL

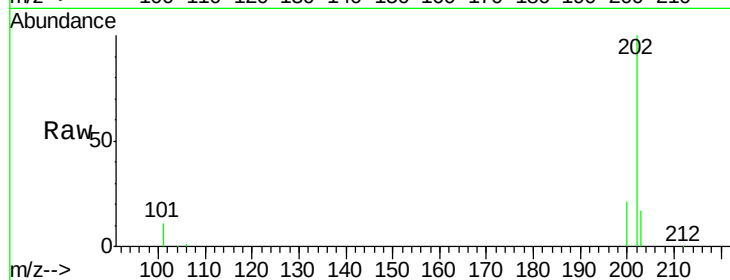
Tgt Ion:202 Resp: 157029

Ion Ratio Lower Upper

202 100

101 10.6 0.0 29.6

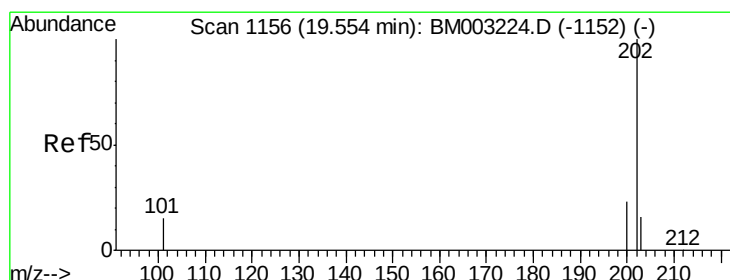
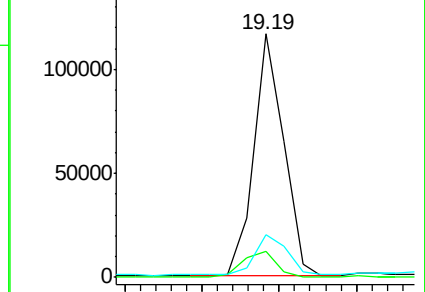
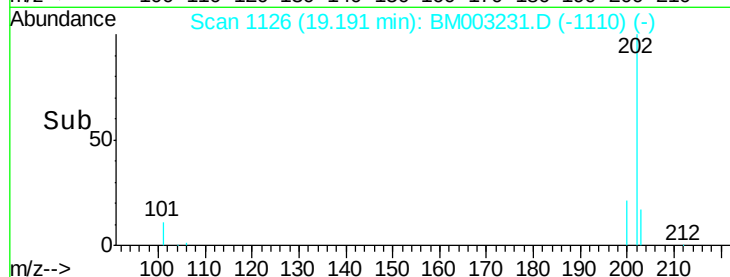
203 17.3 0.0 36.3



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: 0.75 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BM003231.D

Acq: 20 Nov 2015 21:08

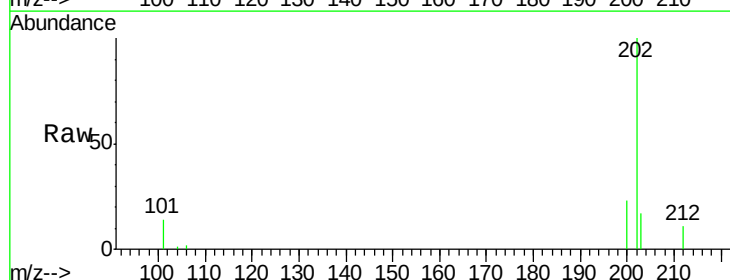
Tgt Ion:202 Resp: 143062

Ion Ratio Lower Upper

202 100

200 22.7 17.8 26.8

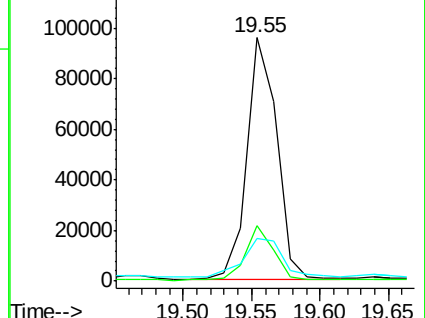
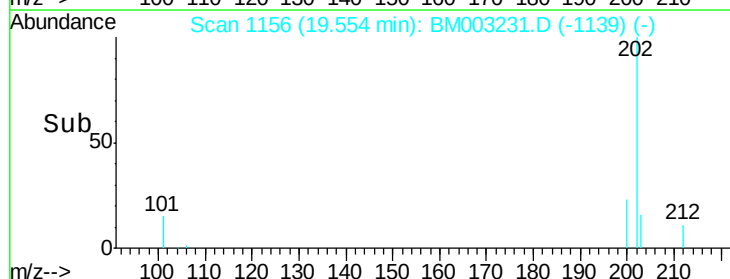
203 17.4 12.8 19.2

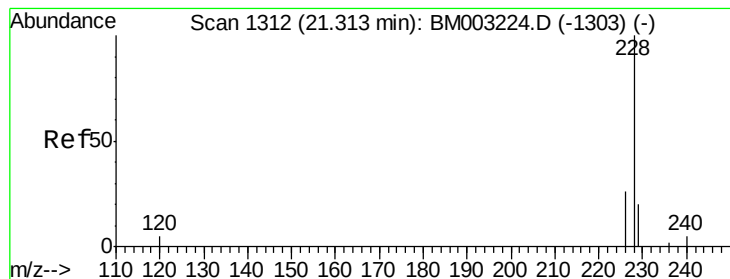


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.58 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BM003231.D

Acq: 20 Nov 2015 21:08

Instrument :

BNA_M

ClientSampleId :

A4HR7DL

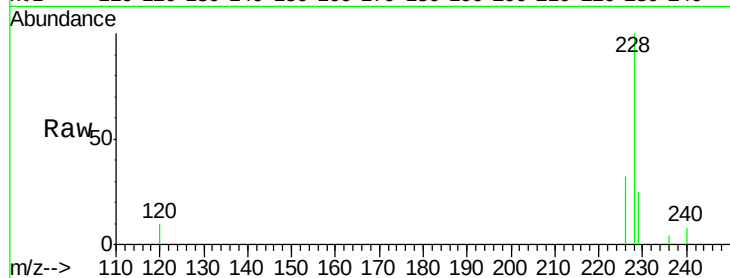
Tgt Ion:228 Resp: 93604

Ion Ratio Lower Upper

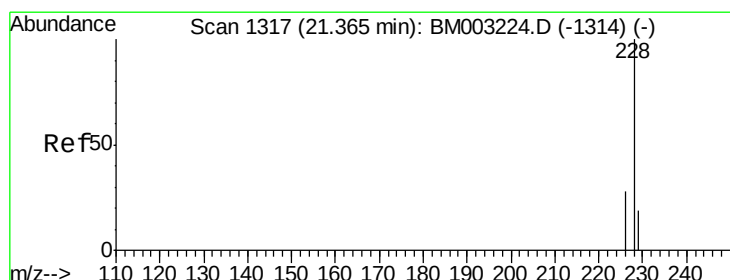
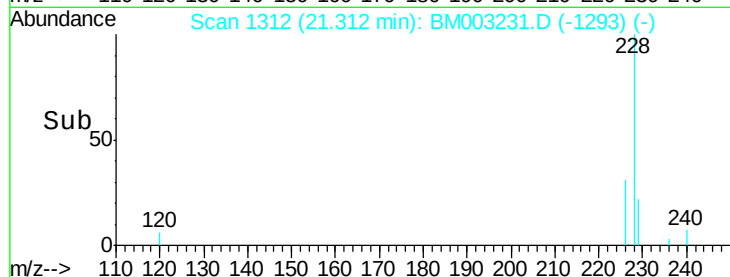
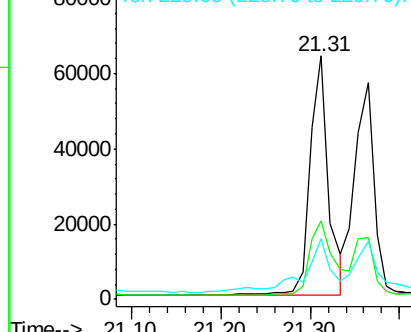
228 100

226 32.1 18.8 28.2#

229 25.0 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: 0.47 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM003231.D

Acq: 20 Nov 2015 21:08

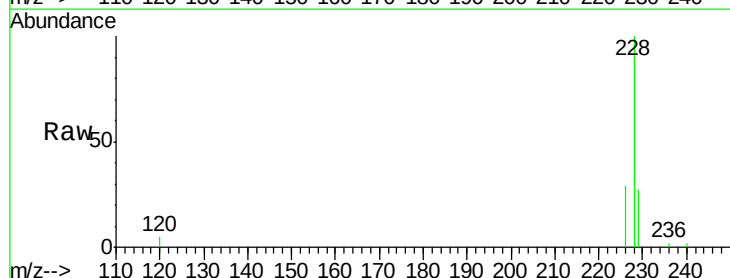
Tgt Ion:228 Resp: 85078

Ion Ratio Lower Upper

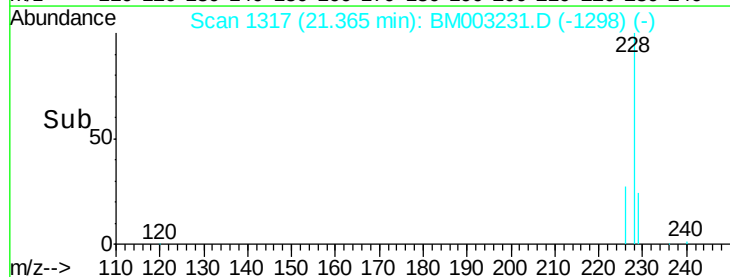
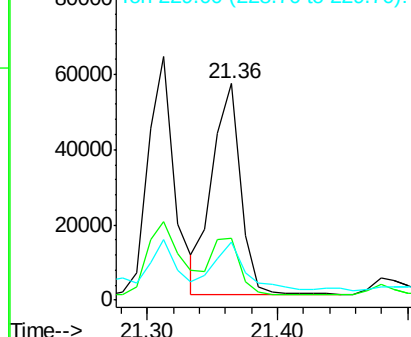
228 100

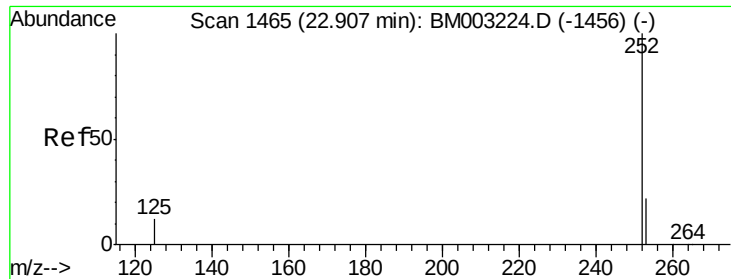
226 28.5 21.2 31.8

229 26.5 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: 22.91 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BM003231.D

Acq: 20 Nov 2015 21:08

Instrument :

BNA_M

ClientSampleId :

A4HR7DL

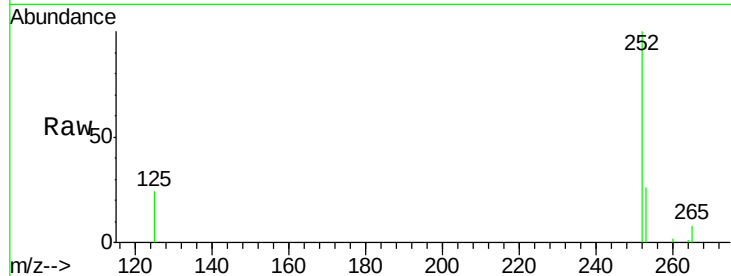
Tgt Ion:252 Resp: 149020

Ion Ratio Lower Upper

252 100

253 26.4 0.0 45.4

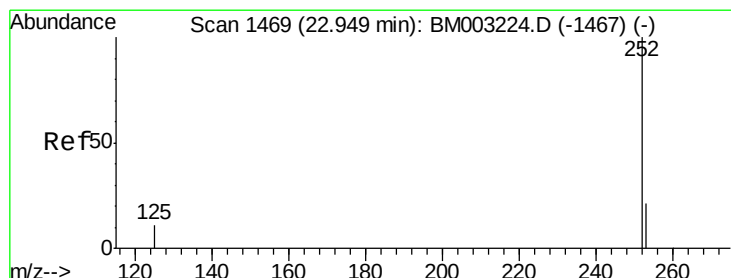
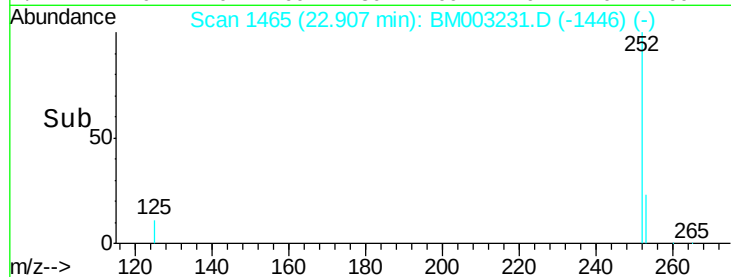
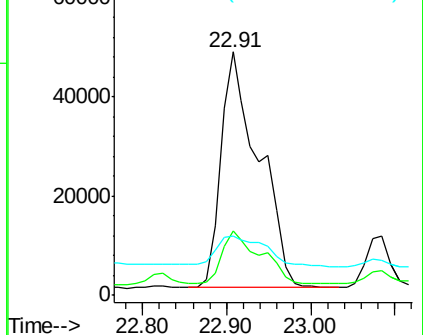
125 24.3 0.0 28.8



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: 0.75 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003231.D

Acq: 20 Nov 2015 21:08

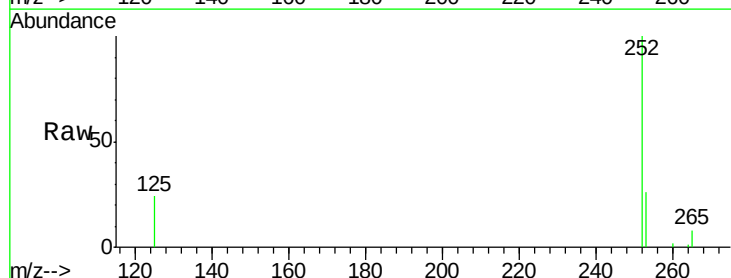
Tgt Ion:252 Resp: 149020

Ion Ratio Lower Upper

252 100

253 26.4 19.8 29.8

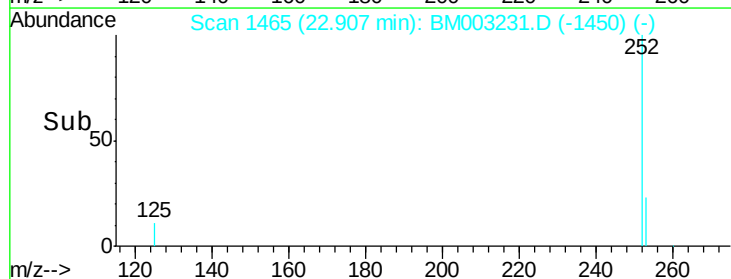
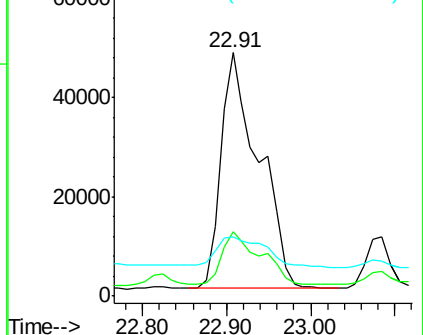
125 24.3 10.4 15.6#

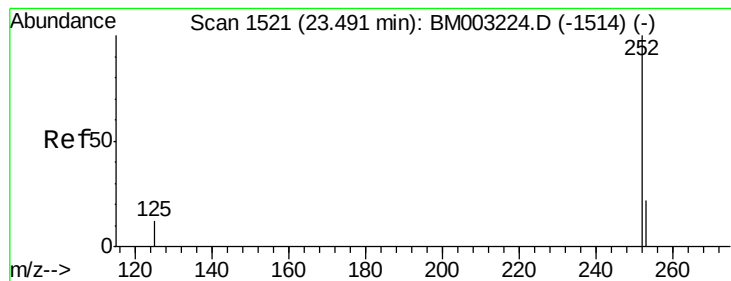


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.43 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. -0.01 min

Lab File: BM003231.D

Acq: 20 Nov 2015 21:08

Instrument :

BNA_M

ClientSampleId :

A4HR7DL

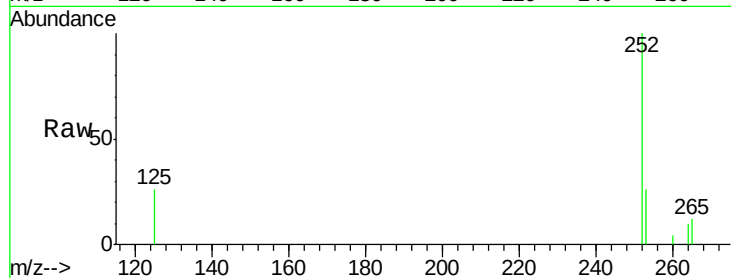
Tgt Ion:252 Resp: 79343

Ion Ratio Lower Upper

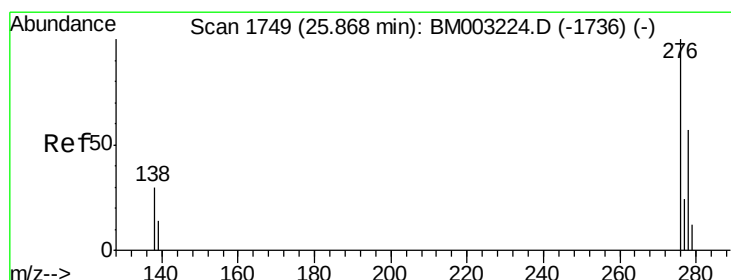
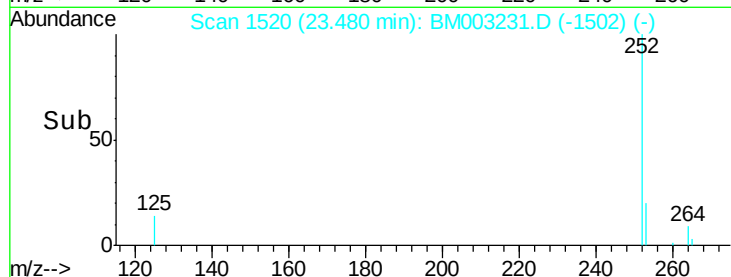
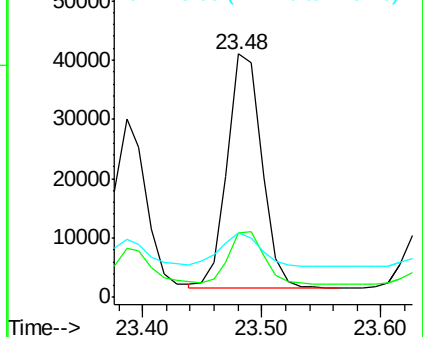
252 100

253 26.2 19.4 29.2

125 26.4 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: 0.26 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BM003231.D

Acq: 20 Nov 2015 21:08

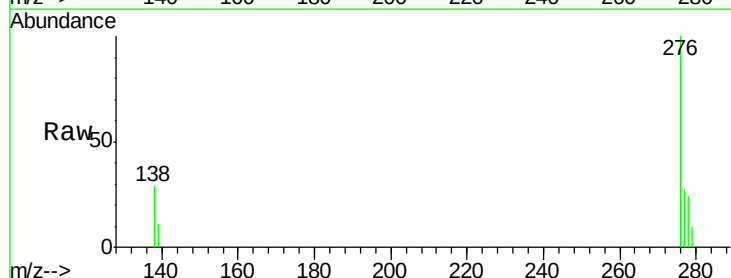
Tgt Ion:276 Resp: 56728

Ion Ratio Lower Upper

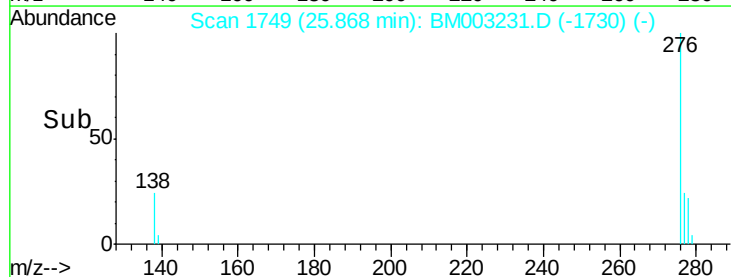
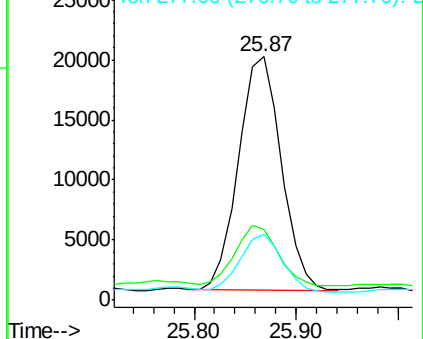
276 100

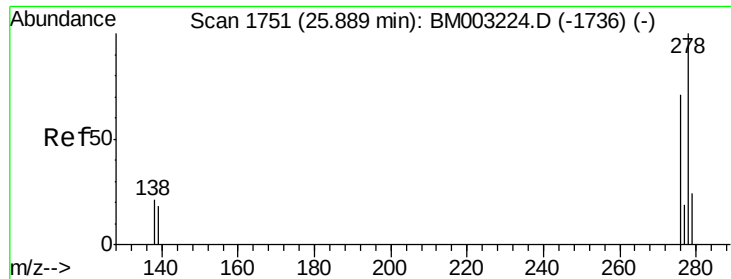
138 26.1 16.3 24.5#

277 24.8 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

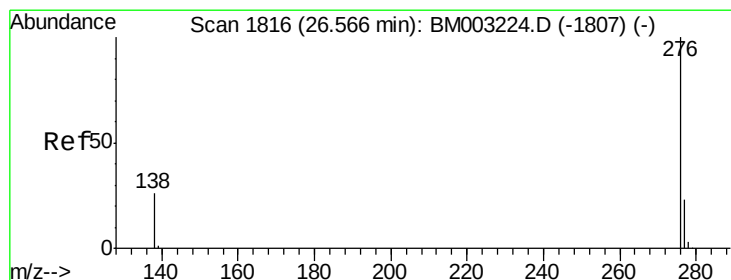
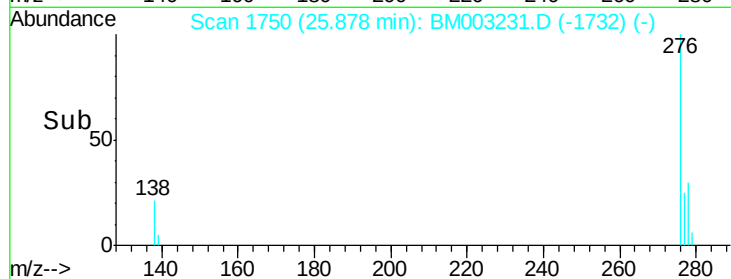
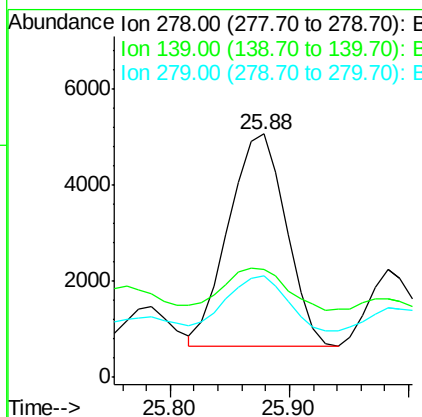
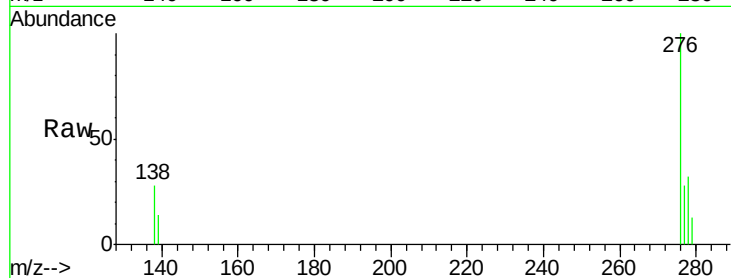




#27
Dibenzo(a,h)anthracene
Concen: 0.08 ng/ul
RT: 25.88 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BM003231.D
Acq: 20 Nov 2015 21:08

Instrument :
BNA_M
ClientSampleId :
A4HR7DL

Tgt Ion: 278 Resp: 14793
Ion Ratio Lower Upper
278 100
139 44.3 16.4 24.6#
279 41.5 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.28 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BM003231.D
Acq: 20 Nov 2015 21:08

Tgt Ion: 276 Resp: 54873
Ion Ratio Lower Upper
276 100
277 26.3 18.9 28.3
138 30.0 22.5 33.7

