

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003236.D
 Acq On : 21 Nov 2015 00:08
 Operator : UM/IZ
 Sample : G4322-18RX
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HS9

Quant Time: Nov 21 04:28:35 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	13755	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	53172	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	28113	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	55766	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	56077	0.40	ng/ul	-0.01
22) Perylene-d12	23.58	264	56011	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	43503	2.96	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	11450	0.16	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	19613	0.14	ng/ul	0.00

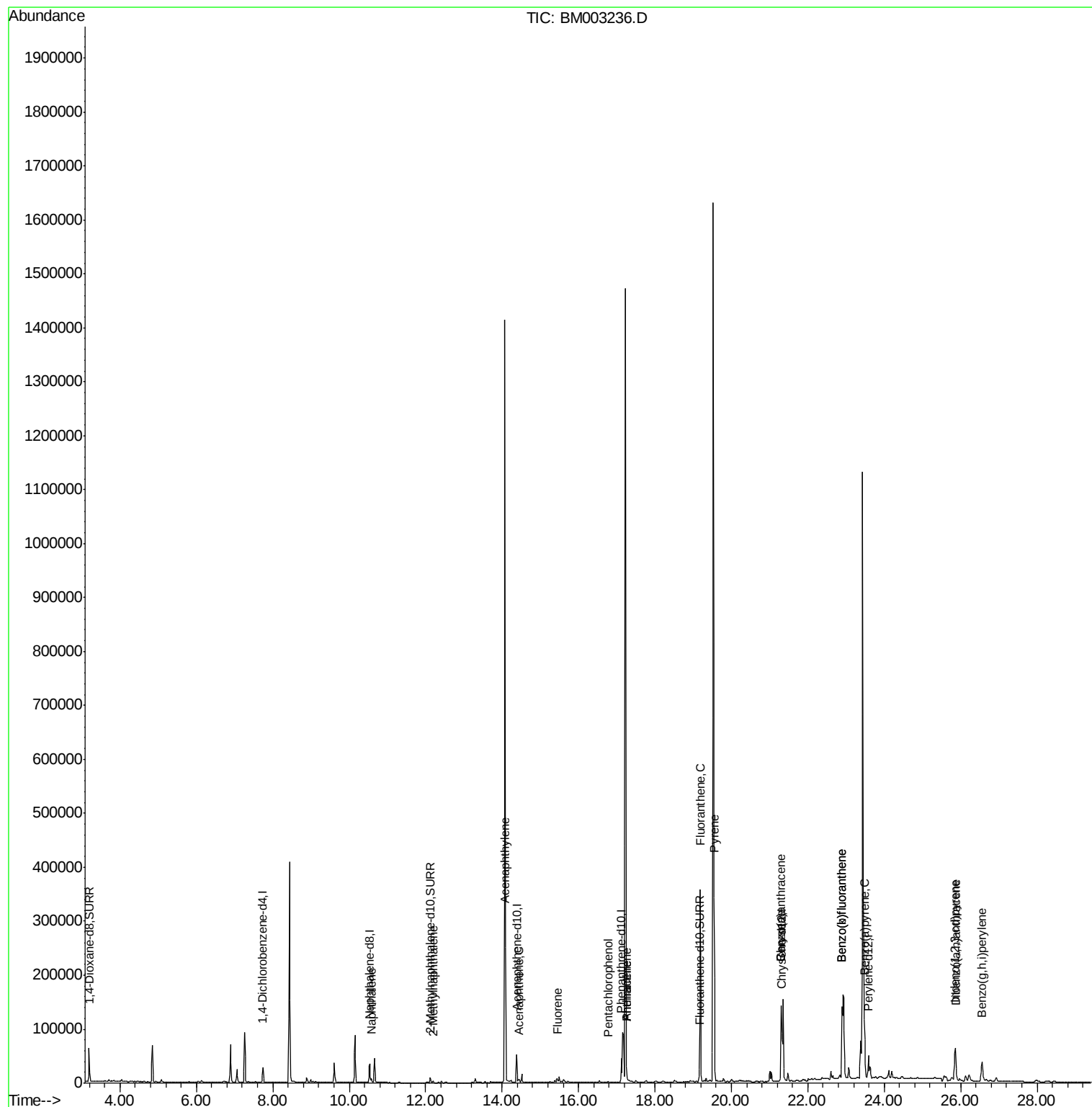
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.57	128	10269	0.08	ng/ul#	95
7) 2-Methylnaphthalene	12.19	142	2309	0.03	ng/ul#	100
9) Acenaphthylene	14.09	152	12659	0.11	ng/ul	97
10) Acenaphthene	14.43	153	4596	0.05	ng/ul#	76
11) Fluorene	15.44	166	5952	0.06	ng/ul#	95
13) Pentachlorophenol	16.78	266	1257	0.10	ng/ul	94
14) Phenanthrene	17.26	178	25262	0.16	ng/ul	98
15) Anthracene	17.26	178	27656	0.20	ng/ul	98
17) Fluoranthene	19.19	202	324545	1.81	ng/ul	99
19) Pyrene	19.55	202	281786	1.47	ng/ul	99
20) Benzo(a)anthracene	21.30	228	132955	0.82	ng/ul#	89
21) Chrysene	21.30	228	132955	0.73	ng/ul	93
23) Benzo(b)fluoranthene	22.90	252	289575	1.36	ng/ul	94
24) Benzo(k)fluoranthene	22.90	252	289575	1.44	ng/ul#	91
25) Benzo(a)pyrene	23.48	252	135601	0.72	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.86	276	99669	0.44	ng/ul#	93
27) Dibenzo(a,h)anthracene	25.87	278	24312	0.13	ng/ul#	82
28) Benzo(g,h,i)perylene	26.56	276	77243	0.39	ng/ul	99

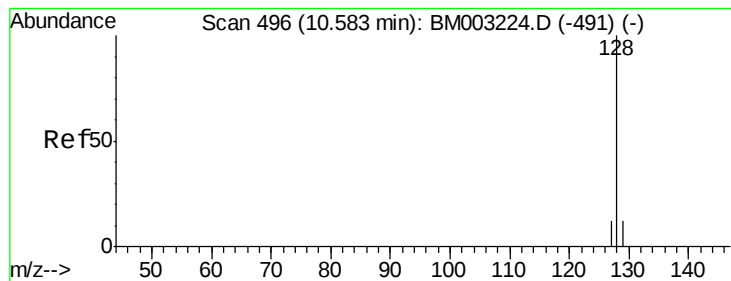
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.08 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. -0.01 min

Lab File: BM003236.D

Acq: 21 Nov 2015 00:08

Instrument :

BNA_M

ClientSampleId :

A4HS9

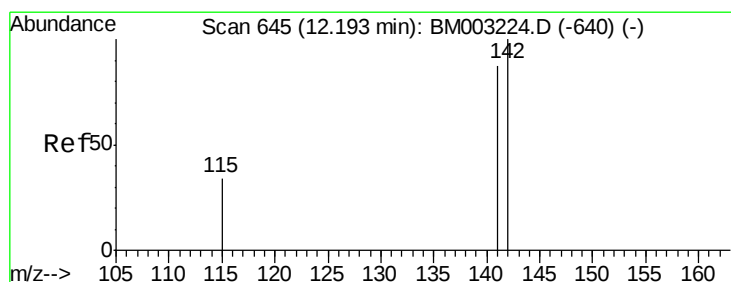
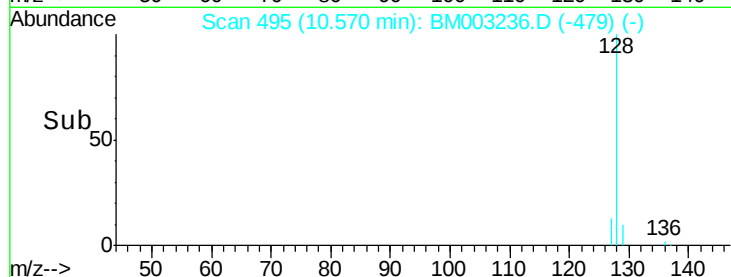
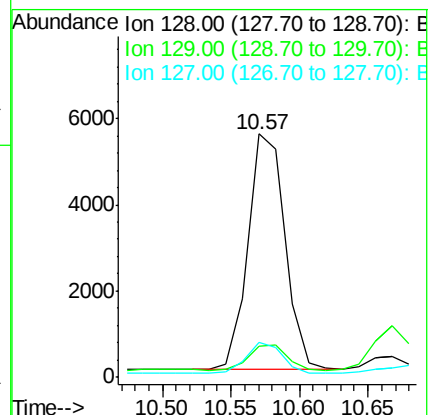
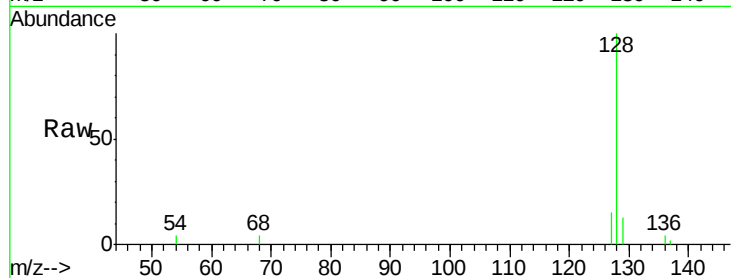
Tgt Ion:128 Resp: 10269

Ion Ratio Lower Upper

128 100

129 12.7 9.0 13.6

127 14.6 9.6 14.4#



#7

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003236.D

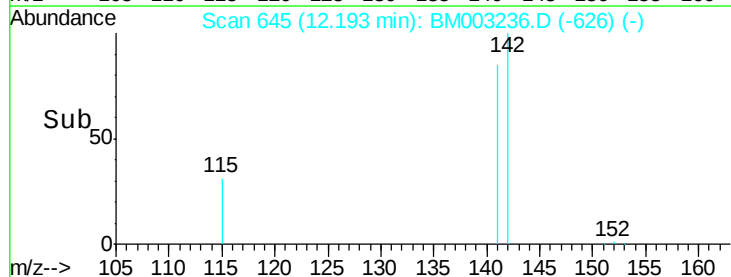
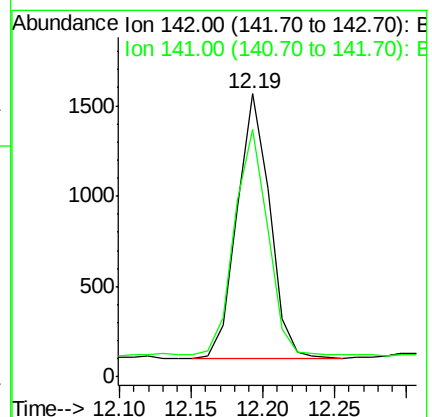
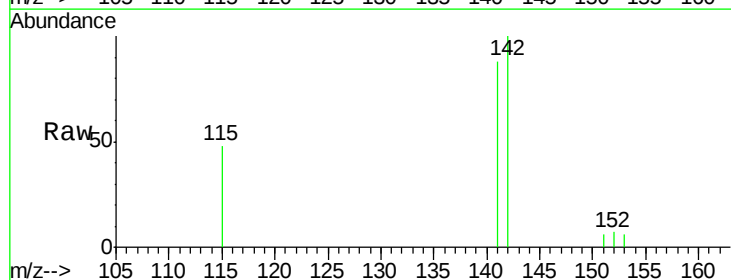
Acq: 21 Nov 2015 00:08

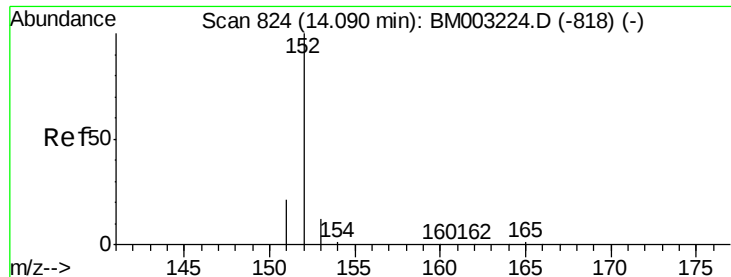
Tgt Ion:142 Resp: 2309

Ion Ratio Lower Upper

142 100

141 89.3 0.0 0.0#





#9

Acenaphthylene

Concen: 0.11 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003236.D

Acq: 21 Nov 2015 00:08

Instrument :

BNA_M

ClientSampleId :

A4HS9

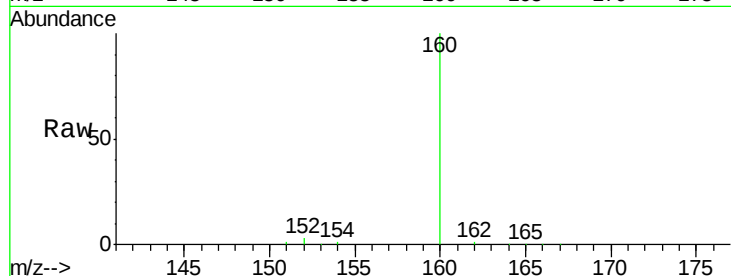
Tgt Ion:152 Resp: 12659

Ion Ratio Lower Upper

152 100

151 22.8 17.6 26.4

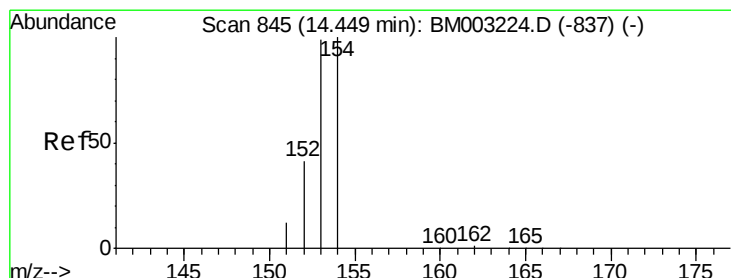
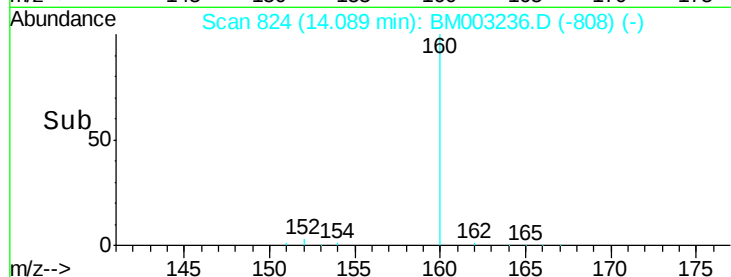
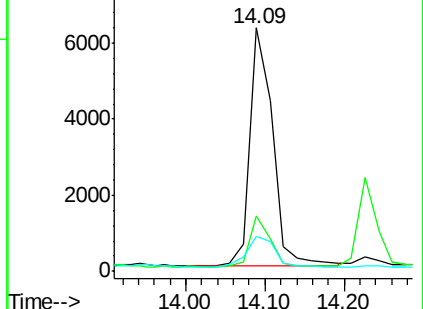
153 14.2 9.7 14.5



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: 0.05 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. -0.02 min

Lab File: BM003236.D

Acq: 21 Nov 2015 00:08

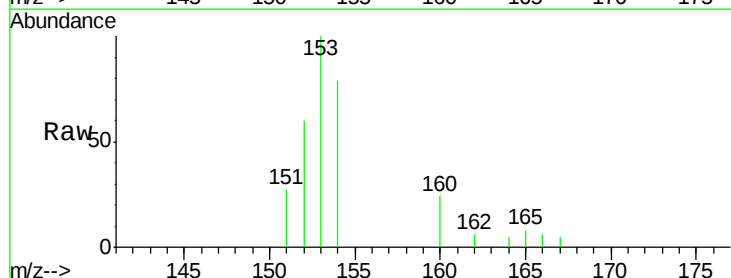
Tgt Ion:153 Resp: 4596

Ion Ratio Lower Upper

153 100

152 59.8 33.9 50.9#

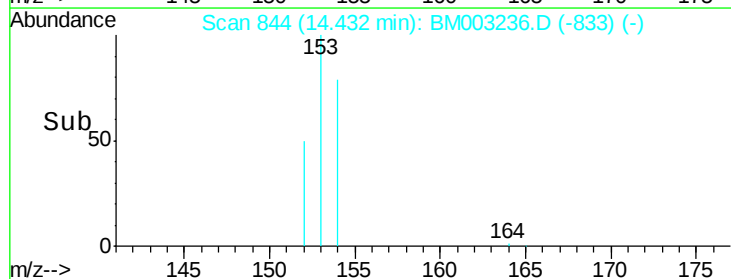
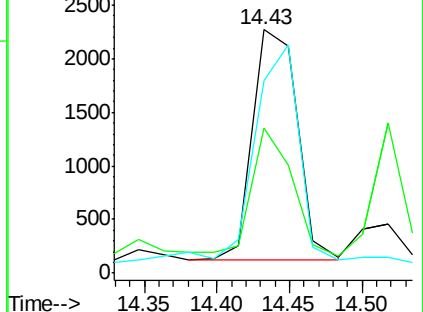
154 78.8 80.6 121.0#

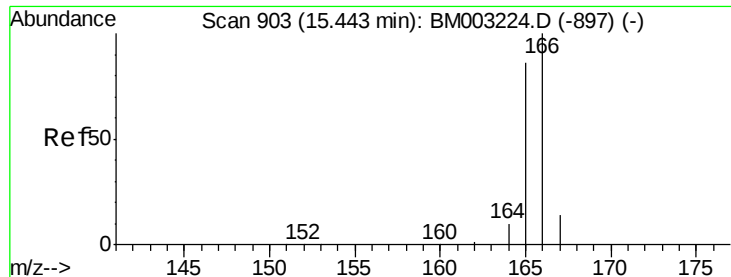


Abundance Ion 153.00 (152.70 to 153.70): E

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: BM003236.D

Acq: 21 Nov 2015 00:08

Instrument :

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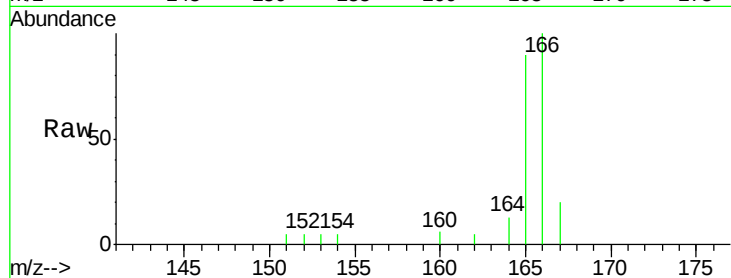
Tgt Ion:166 Resp: 5952

Ion Ratio Lower Upper

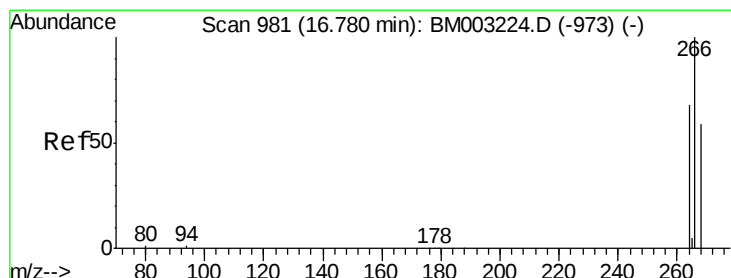
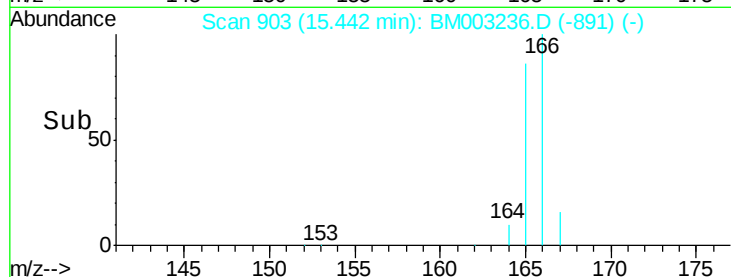
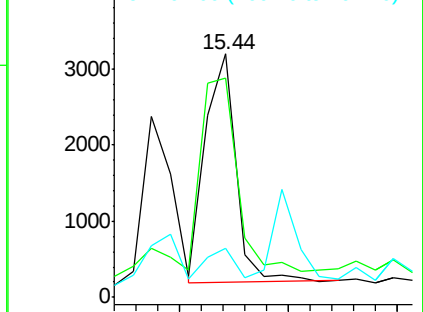
166 100

165 90.2 69.6 104.4

167 20.1 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: 0.10 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. -0.00 min

Lab File: BM003236.D

Acq: 21 Nov 2015 00:08

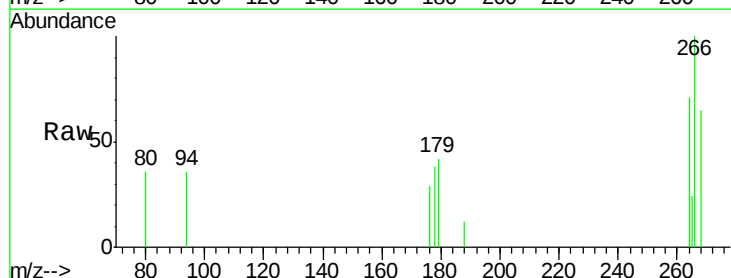
Tgt Ion:266 Resp: 1257

Ion Ratio Lower Upper

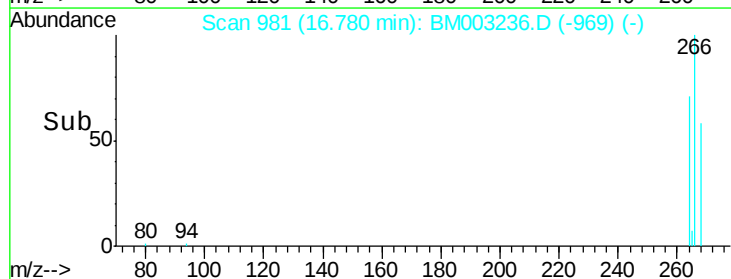
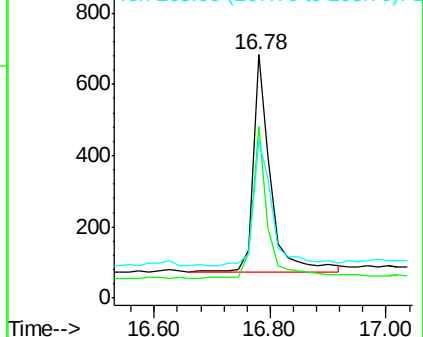
266 100

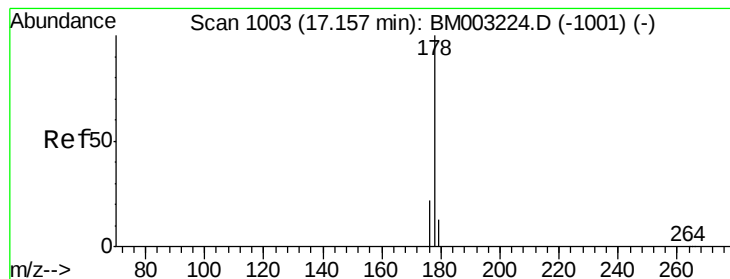
264 63.5 51.8 77.8

268 66.9 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: 0.16 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.10 min

Lab File: BM003236.D

Acq: 21 Nov 2015 00:08

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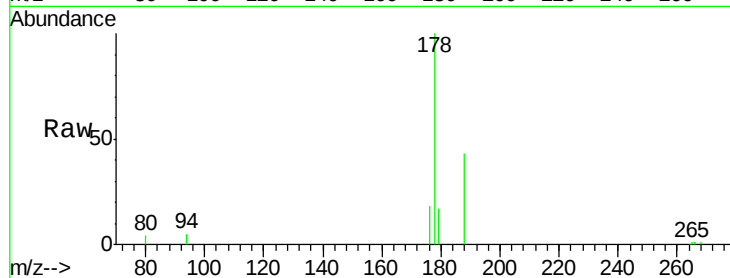
Tgt Ion:178 Resp: 25262

Ion Ratio Lower Upper

178 100

176 17.9 13.0 19.4

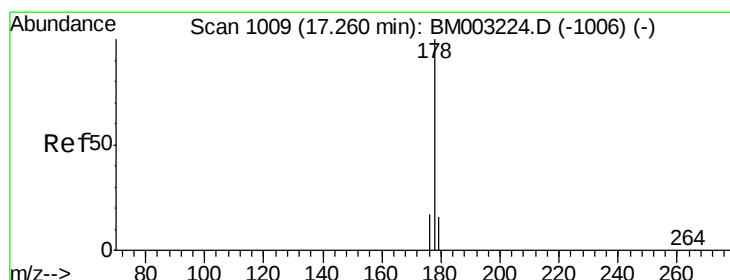
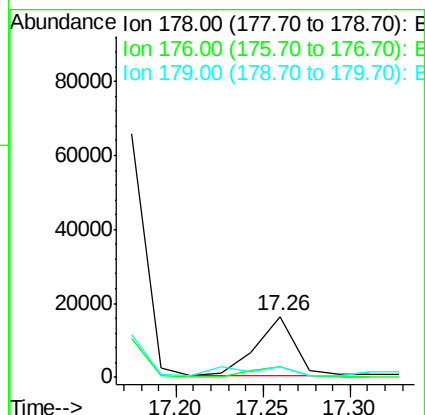
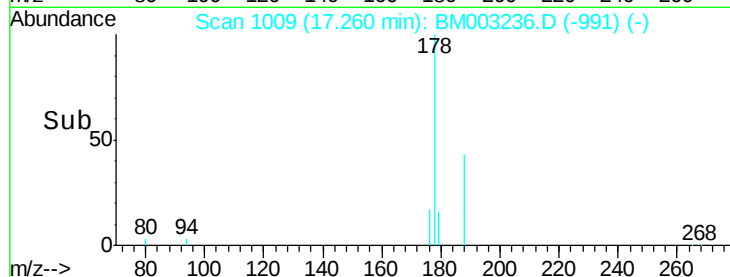
179 17.5 14.2 21.2



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: 0.20 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003236.D

Acq: 21 Nov 2015 00:08

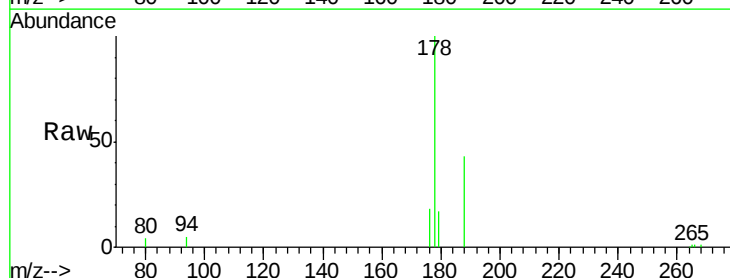
Tgt Ion:178 Resp: 27656

Ion Ratio Lower Upper

178 100

176 17.9 14.0 21.0

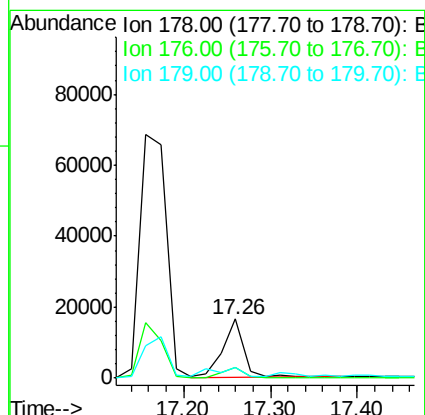
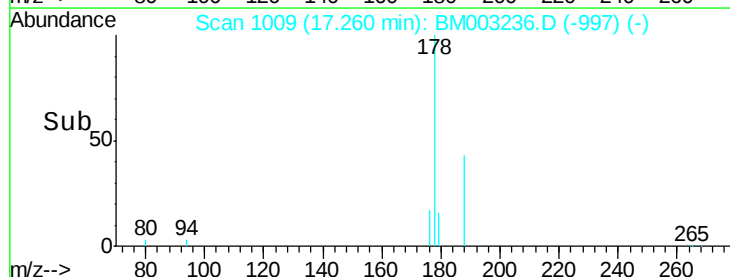
179 17.5 12.9 19.3

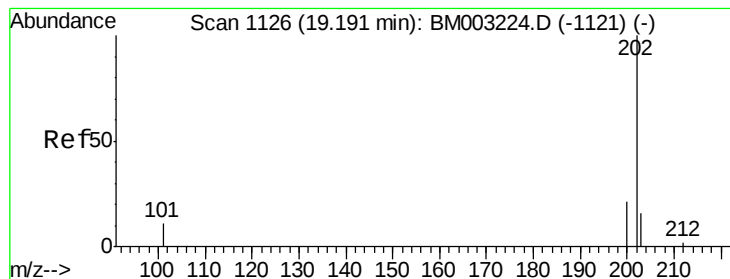


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 1.81 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003236.D

Acq: 21 Nov 2015 00:08

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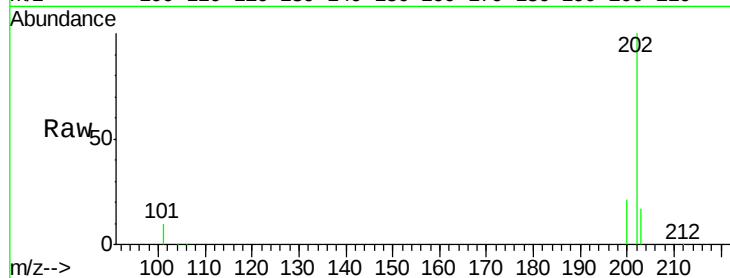
Tgt Ion:202 Resp: 324545

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.6

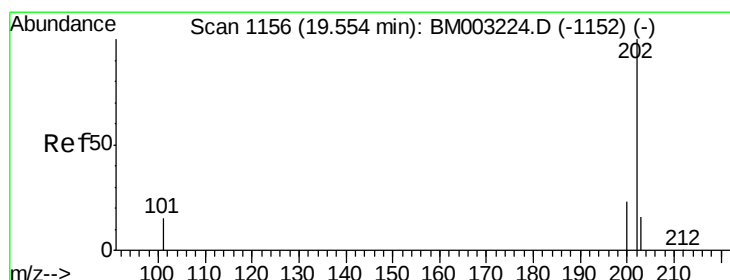
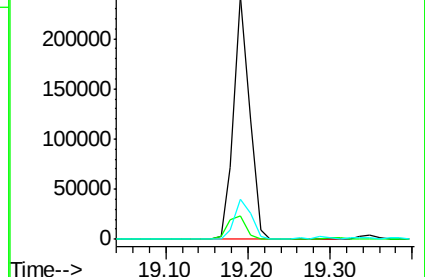
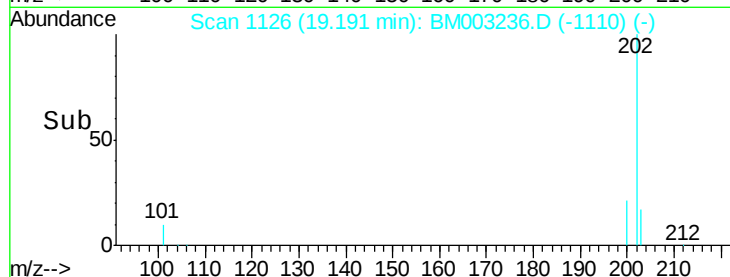
203 16.7 0.0 36.3



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: 1.47 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BM003236.D

Acq: 21 Nov 2015 00:08

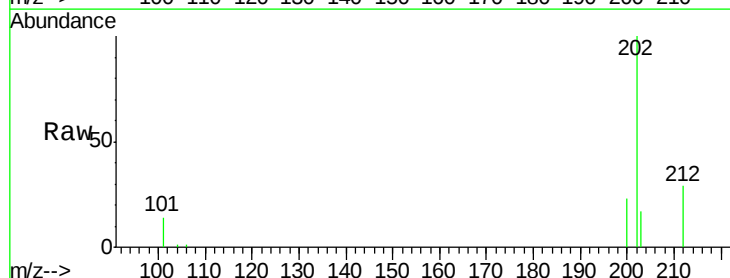
Tgt Ion:202 Resp: 281786

Ion Ratio Lower Upper

202 100

200 22.8 17.8 26.8

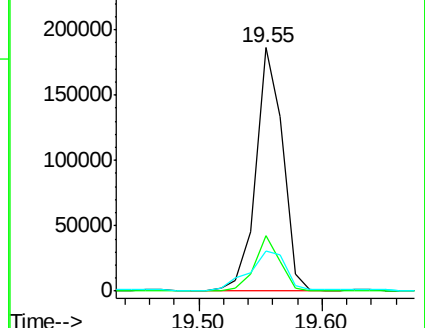
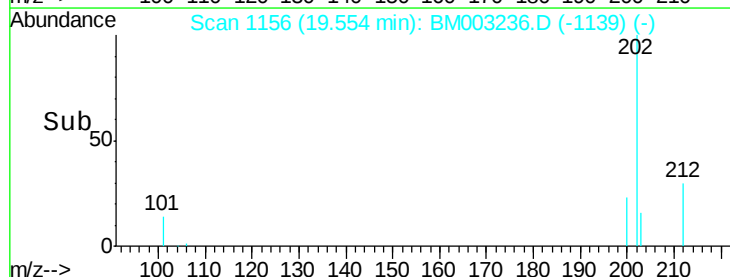
203 16.6 12.8 19.2

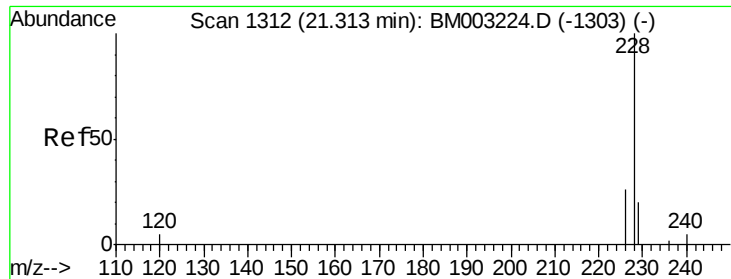


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.82 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003236.D

Acq: 21 Nov 2015 00:08

Instrument :

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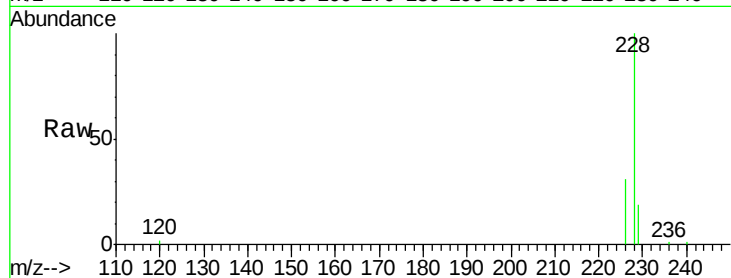
Tgt Ion:228 Resp: 132955

Ion Ratio Lower Upper

228 100

226 31.1 18.8 28.2#

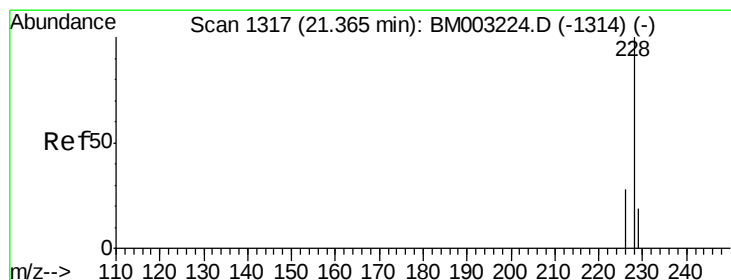
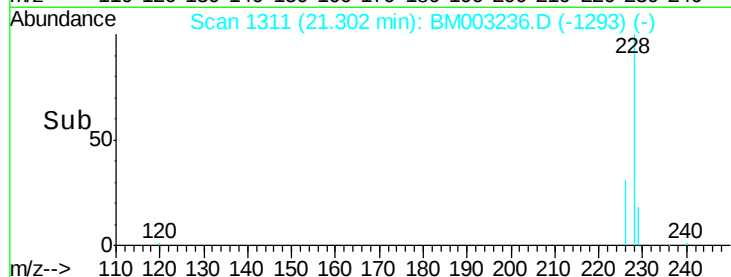
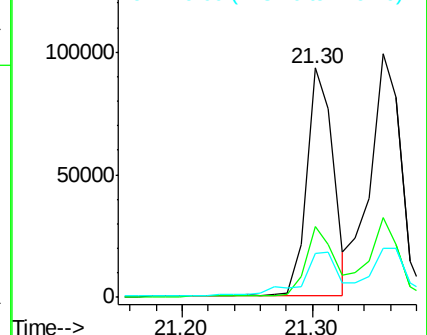
229 18.9 17.1 25.7



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: 0.73 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.06 min

Lab File: BM003236.D

Acq: 21 Nov 2015 00:08

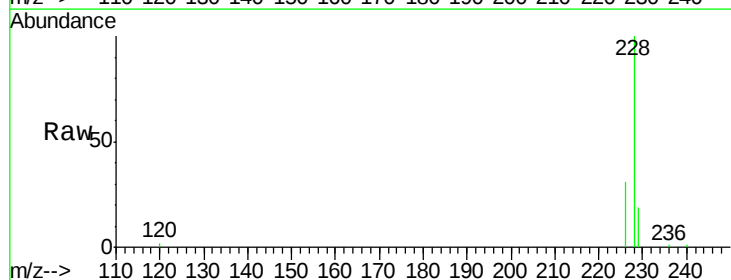
Tgt Ion:228 Resp: 132955

Ion Ratio Lower Upper

228 100

226 31.1 21.2 31.8

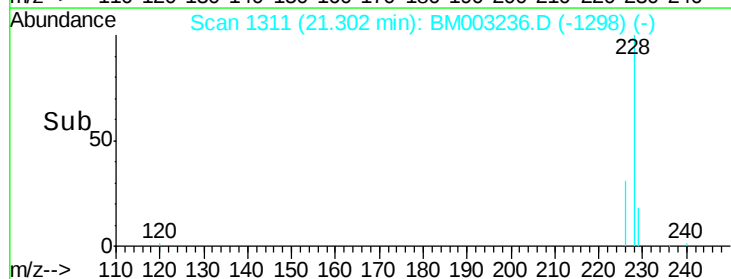
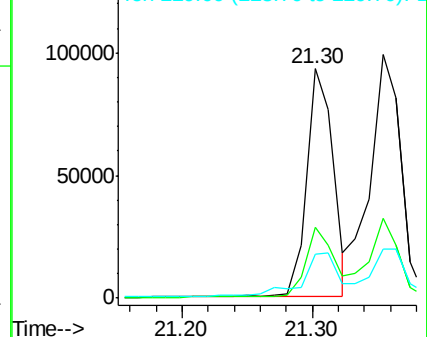
229 18.9 17.0 25.6

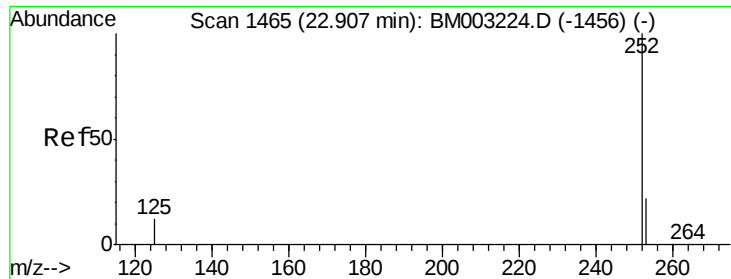


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 1.36 ng/u1

RT: 22.90 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BM003236.D

Acq: 21 Nov 2015 00:08

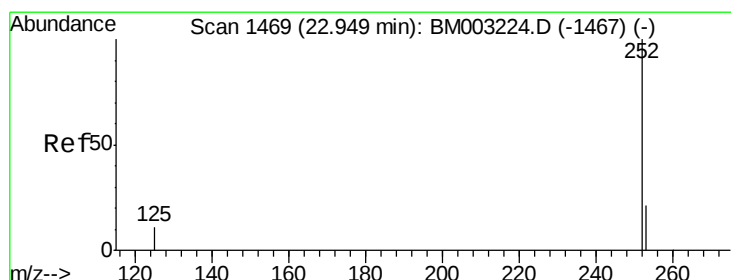
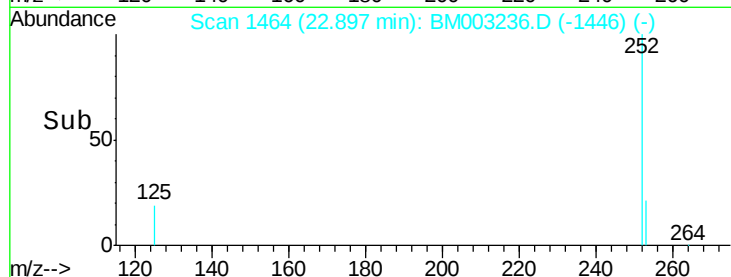
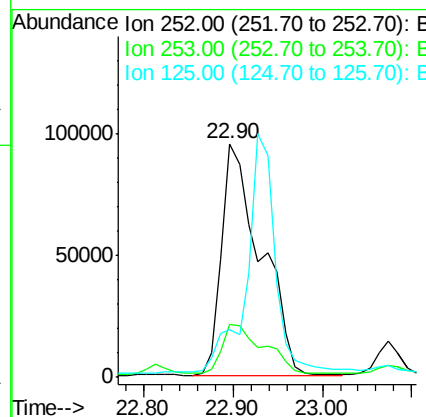
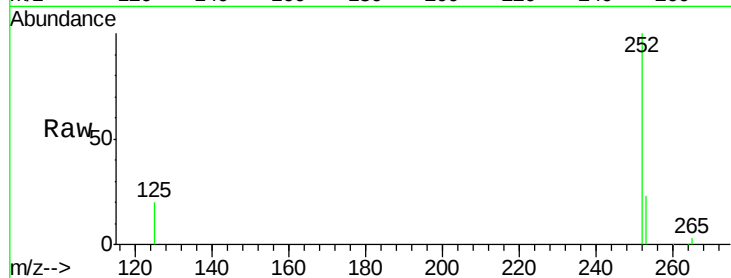
Instrument :

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Tgt Ion:	252	Resp:	289575
Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	45.4
125	20.4	0.0	28.8



#24

Benzo(k)fluoranthene

Concen: 1.44 ng/u1

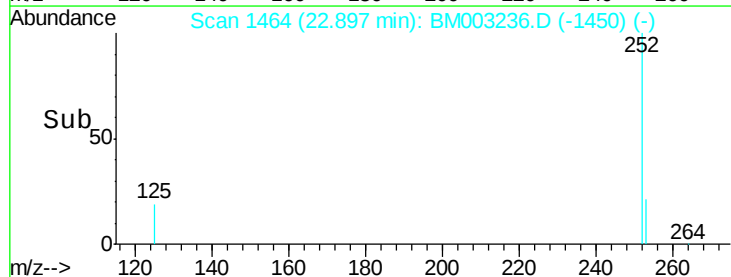
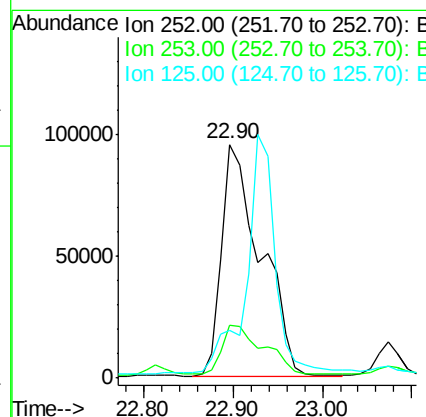
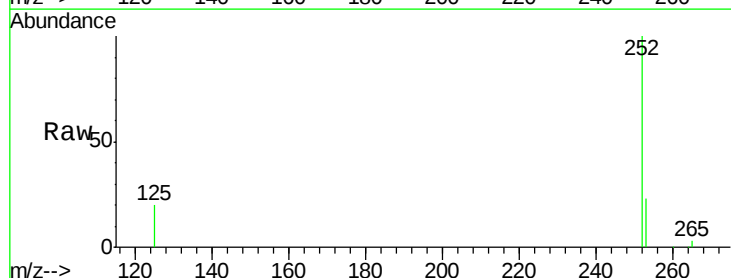
RT: 22.90 min Scan# 1464

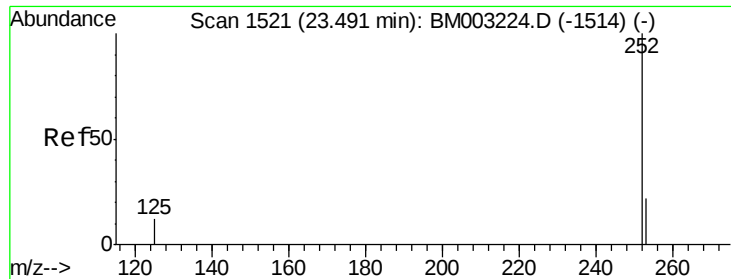
Delta R.T. -0.05 min

Lab File: BM003236.D

Acq: 21 Nov 2015 00:08

Tgt Ion:	252	Resp:	289575
Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.8	29.8
125	20.4	10.4	15.6#





#25

Benzo(a)pyrene

Concen: 0.72 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. -0.01 min

Lab File: BM003236.D

Acq: 21 Nov 2015 00:08

Instrument :

BNA_M

ClientSampleId :

A4HS9

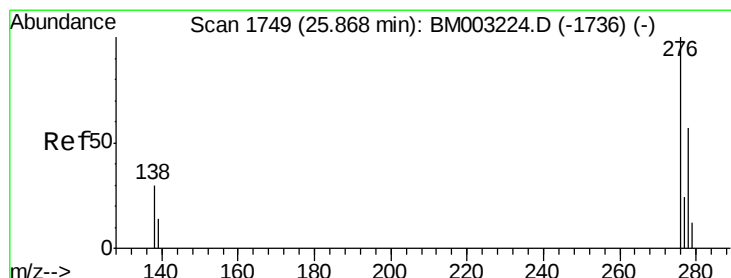
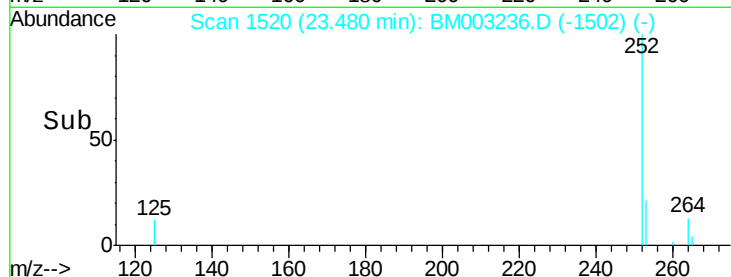
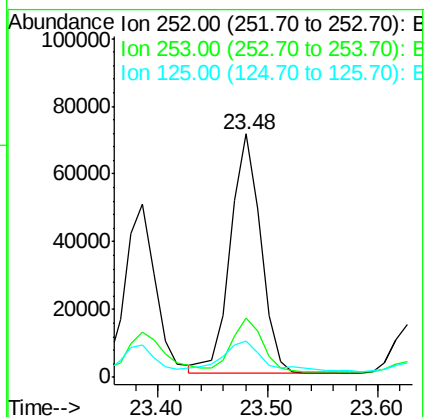
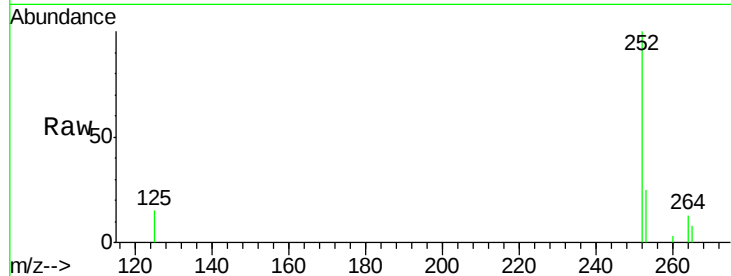
Tgt Ion:252 Resp: 135601

Ion Ratio Lower Upper

252 100

253 24.6 19.4 29.2

125 14.8 12.7 19.1



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.44 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM003236.D

Acq: 21 Nov 2015 00:08

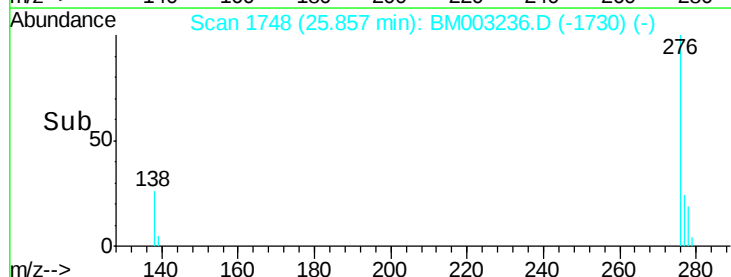
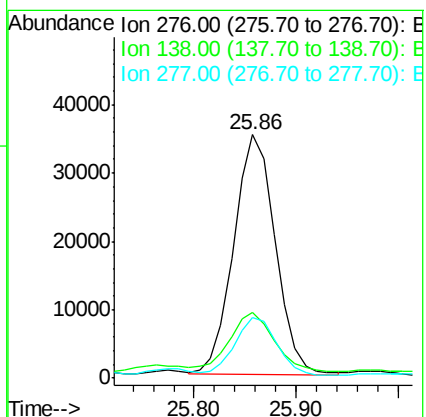
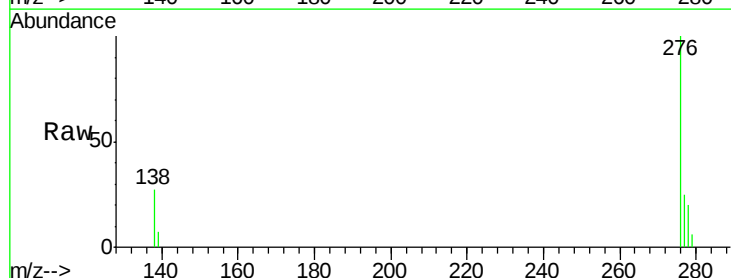
Tgt Ion:276 Resp: 99669

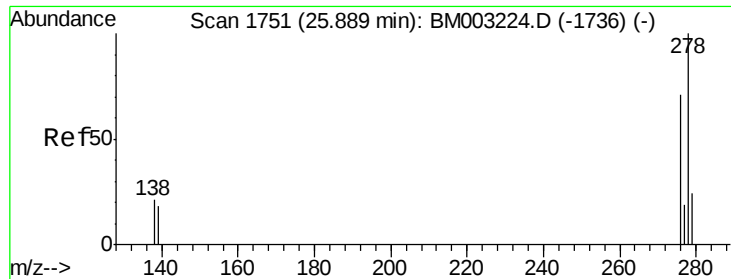
Ion Ratio Lower Upper

276 100

138 26.7 16.3 24.5#

277 23.8 19.8 29.8



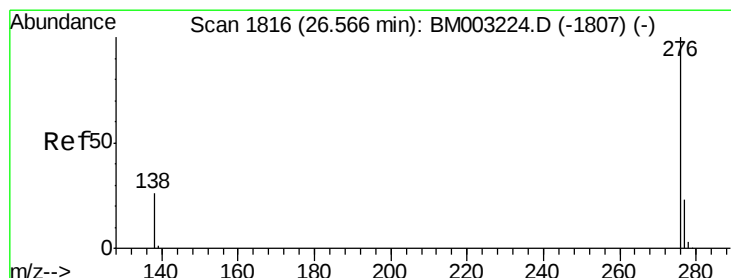
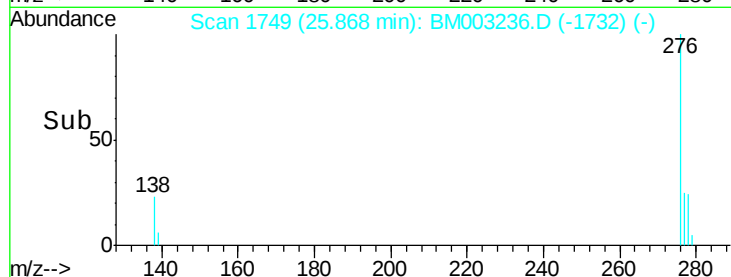
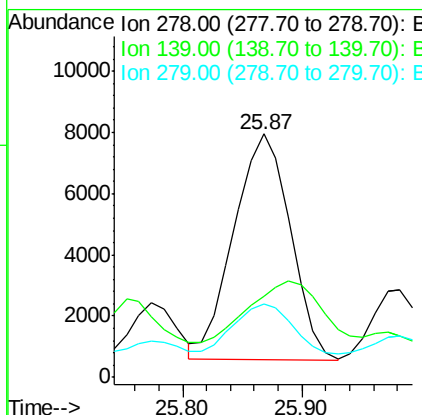
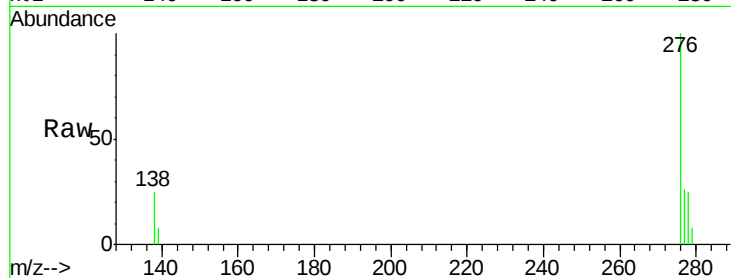


#27
Dibenzo(a,h)anthracene
Concen: 0.13 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BM003236.D
Acq: 21 Nov 2015 00:08

Instrument :
BNA_M
ClientSampleId :
A4HS9

Tgt Ion: 278 Resp: 24312

Ion	Ratio	Lower	Upper
278	100		
139	33.2	16.4	24.6#
279	30.3	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.39 ng/ul
RT: 26.56 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BM003236.D
Acq: 21 Nov 2015 00:08

Tgt Ion: 276 Resp: 77243

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	28.8	22.5	33.7

