

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002995.D
 Acq On : 23 Oct 2015 02:05
 Operator : UM/IZ
 Sample : G4074-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9L0

Quant Time: Oct 23 03:54:24 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

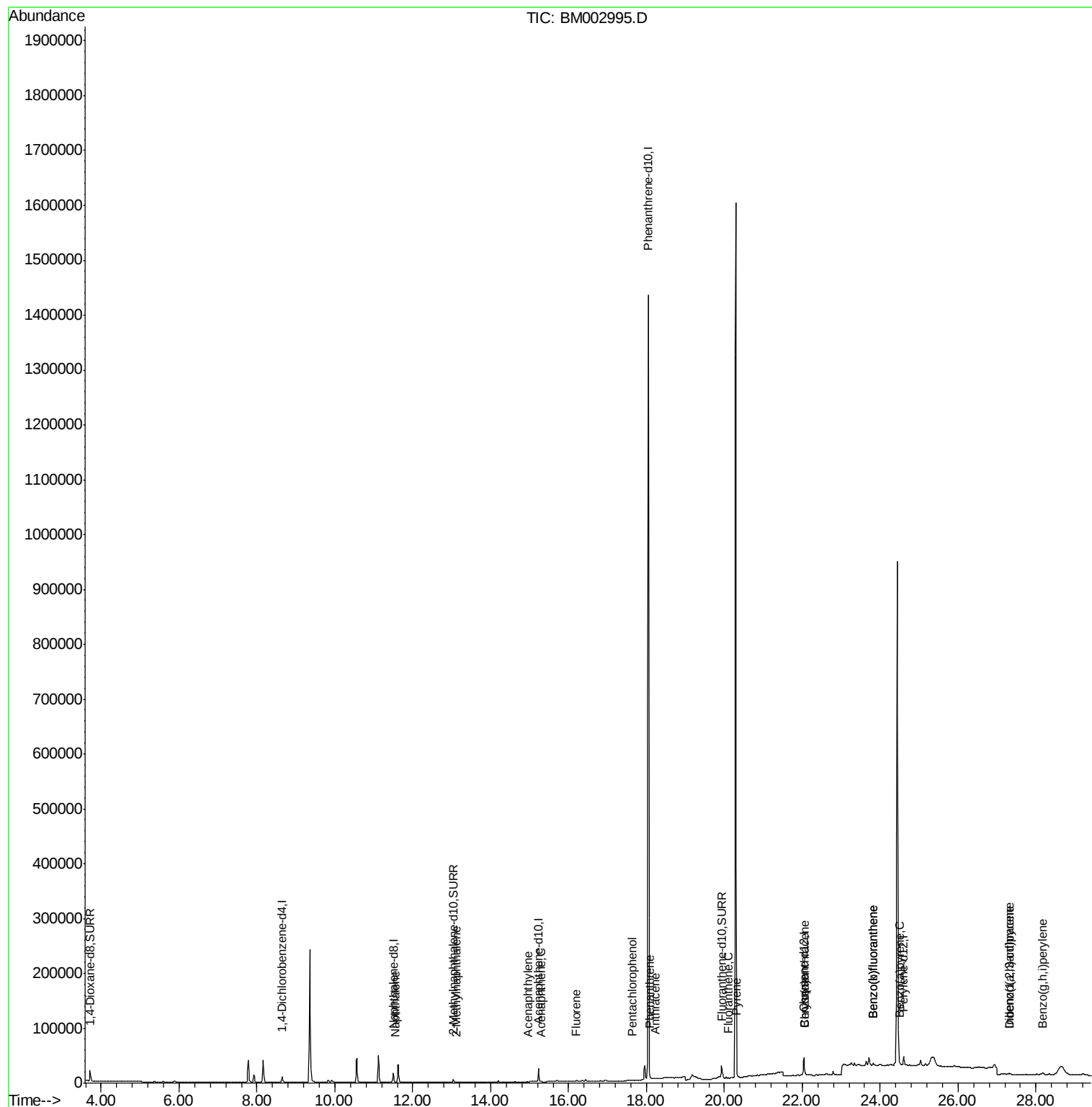
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	5698	0.40	ng/ul	0.00
4) Naphthalene-d8	11.49	136	26550	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.23	164	16122	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.05	188	1782094	0.40	ng/ul	0.11
18) Chrysene-d12	22.04	240	32412	0.40	ng/ul	0.01
22) Perylene-d12	24.61	264	27245	0.40	ng/ul	0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	16907	2.78	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	9948	0.22	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	22981	0.00	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.54	128	1179	0.02	ng/ul#	61
7) 2-Methylnaphthalene	13.11	142	1731	0.04	ng/ul#	1
9) Acenaphthylene	14.97	152	820	0.01	ng/ul#	1
10) Acenaphthene	15.30	153	210	0.00	ng/ul#	41
11) Fluorene	16.20	166	3085	0.04	ng/ul#	32
13) Pentachlorophenol	17.64	266	110	0.00	ng/ul#	32
14) Phenanthrene	18.08	178	1724	0.00	ng/ul#	1
15) Anthracene	18.22	178	184	0.00	ng/ul#	1
17) Fluoranthene	20.11	202	492	0.00	ng/ul#	1
19) Pyrene	20.31	202	11776	0.10	ng/ul#	50
20) Benzo(a)anthracene	22.07	228	10792	0.10	ng/ul#	23
21) Chrysene	22.07	228	10815	0.10	ng/ul#	30
23) Benzo(b)fluoranthene	23.81	252	12097	0.13	ng/ul#	1
24) Benzo(k)fluoranthene	23.81	252	12097	0.13	ng/ul#	1
25) Benzo(a)pyrene	24.49	252	2947	0.03	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.33	276	4351	0.04	ng/ul	92
27) Dibenzo(a,h)anthracene	27.31	278	1240	0.02	ng/ul#	1
28) Benzo(a,h,i)perylene	28.17	276	6104	0.07	ng/ul#	1

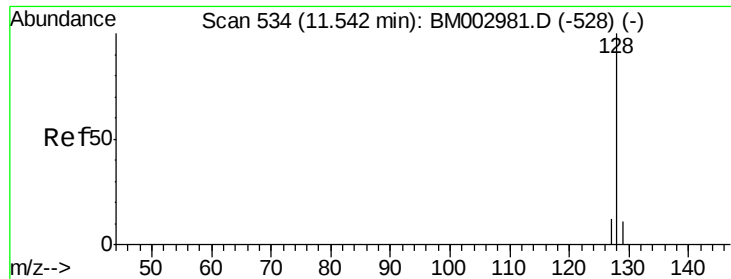
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 23 01:55:29 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.02 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.00 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

Instrument :

BNA_M

ClientSampleId :

JG9L0

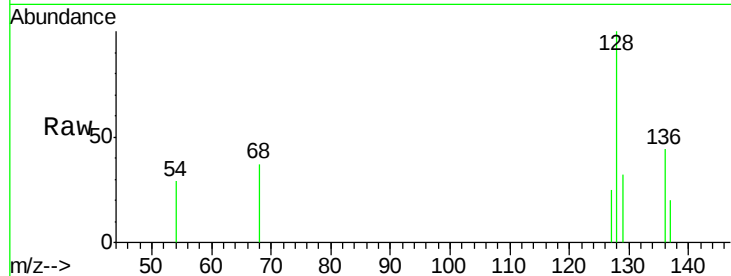
Tot Ion:128 Resp: 1179

Ion Ratio Lower Upper

128 100

129 32.0 9.8 14.8#

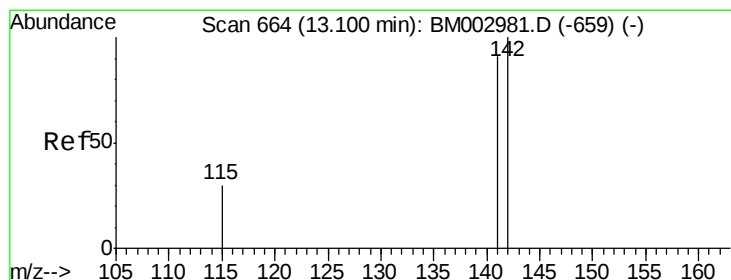
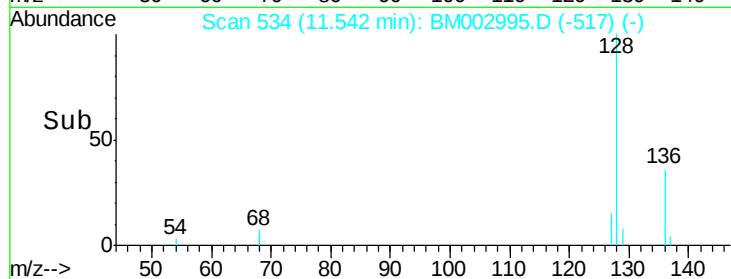
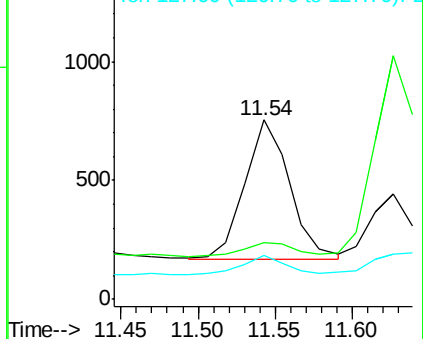
127 24.8 10.7 16.1#



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: 0.04 ng/ul

RT: 13.11 min Scan# 665

Delta R.T. 0.01 min

Lab File: BM002995.D

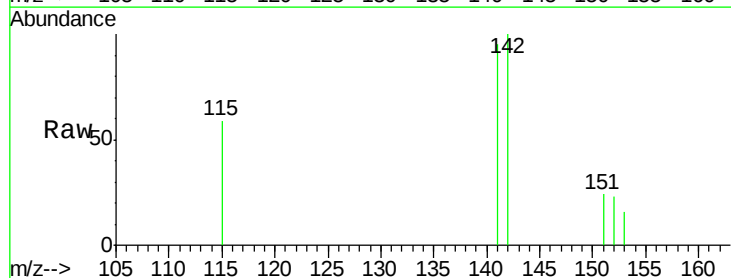
Acq: 23 Oct 2015 02:05

Tgt Ion:142 Resp: 1731

Ion Ratio Lower Upper

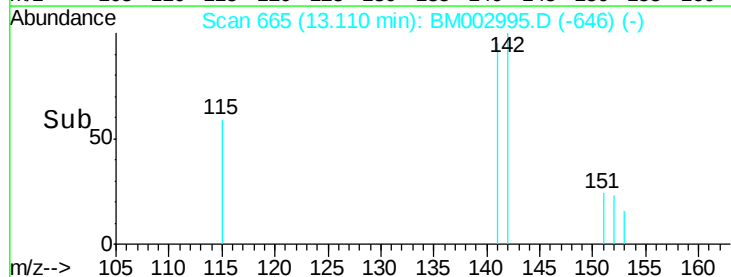
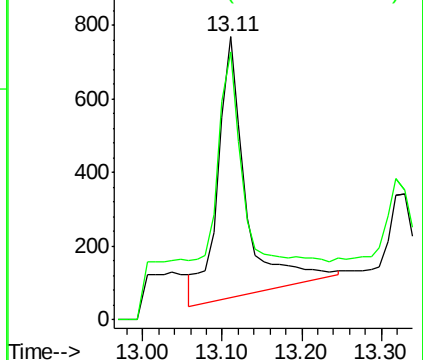
142 100

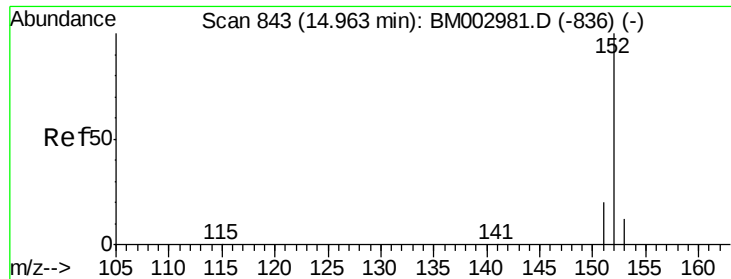
141 208.5 70.3 105.5#



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: 14.97 min Scan# 844

Delta R.T. 0.01 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

Instrument :

BNA_M

ClientSampleId :

JG9L0

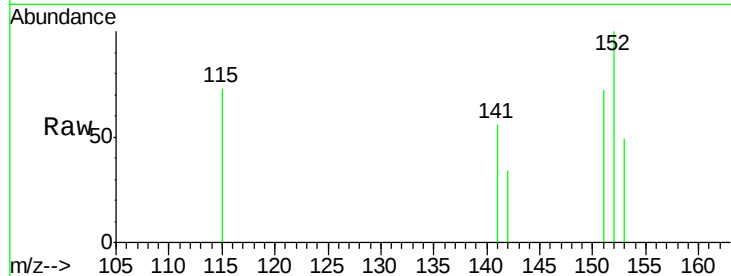
Tot Ion:152 Resp: 820

Ion Ratio Lower Upper

152 100

151 71.7 16.8 25.2#

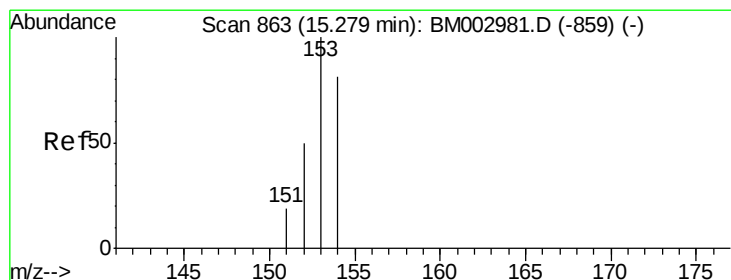
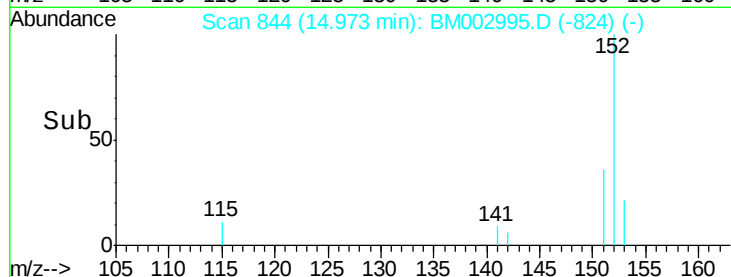
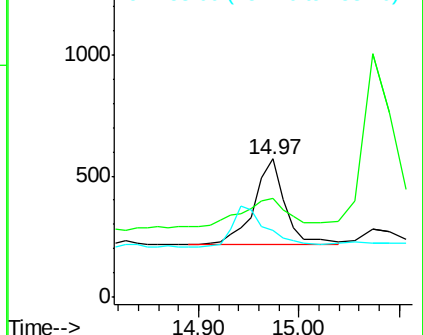
153 48.9 11.3 16.9#



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: 0.00 ng/ul

RT: 15.30 min Scan# 864

Delta R.T. 0.02 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

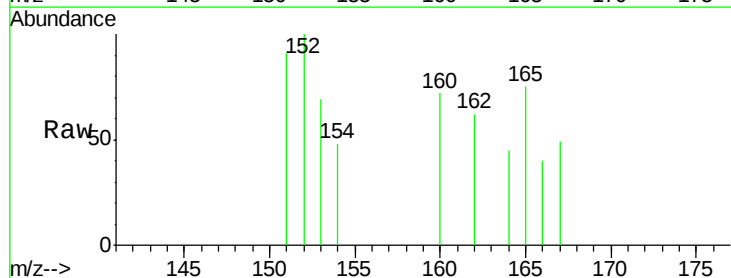
Tgt Ion:153 Resp: 210

Ion Ratio Lower Upper

153 100

152 145.2 42.3 63.5#

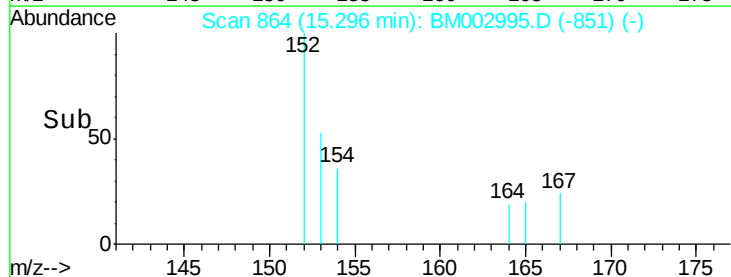
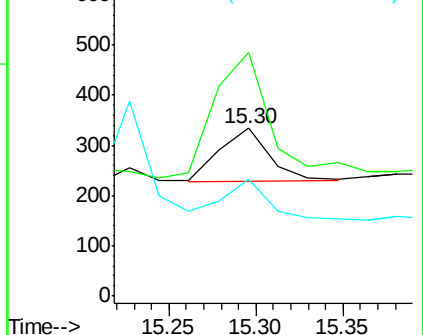
154 69.8 64.7 97.1

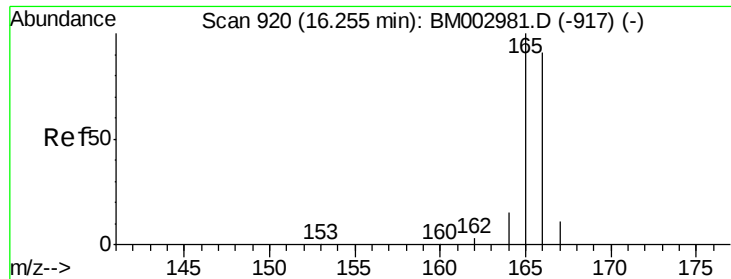


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.04 ng/ul

RT: 16.20 min Scan# 917

Delta R.T. -0.05 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

Instrument :

BNA_M

ClientSampleId :

JG9L0

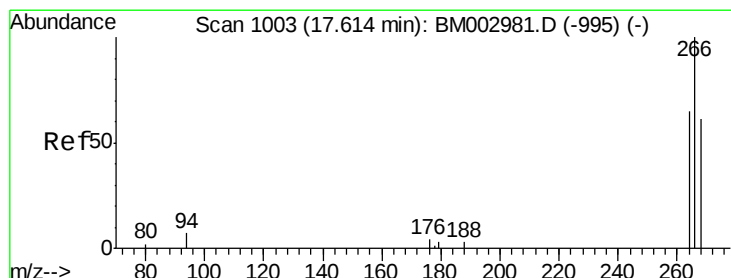
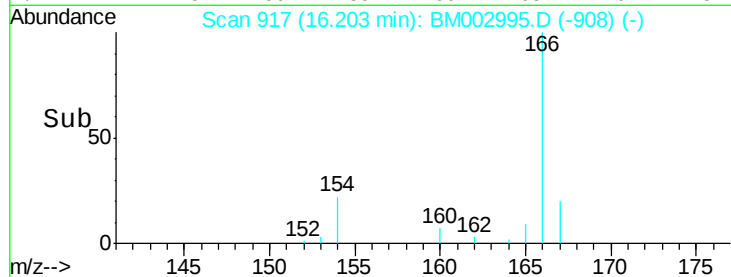
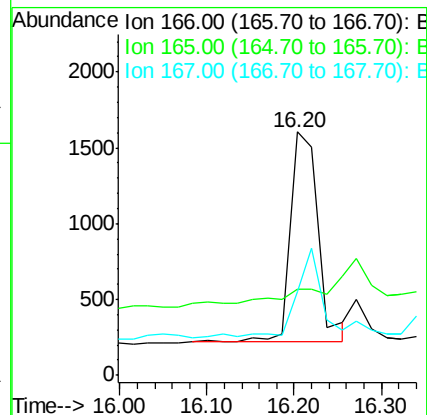
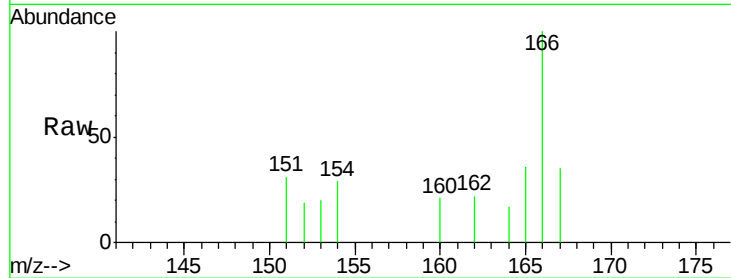
Tot Ion:166 Resp: 3085

Ion Ratio Lower Upper

166 100

165 35.6 87.6 131.4#

167 34.6 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 17.64 min Scan# 1005

Delta R.T. 0.03 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

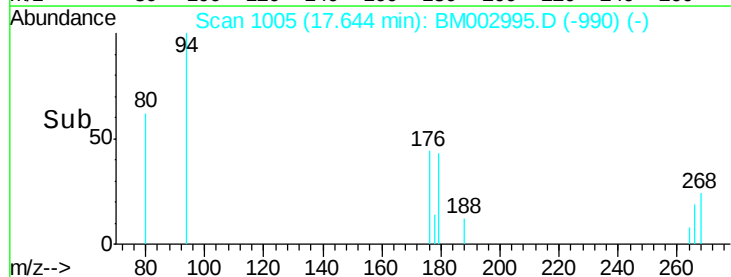
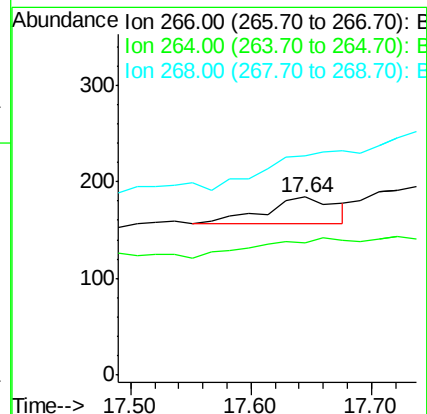
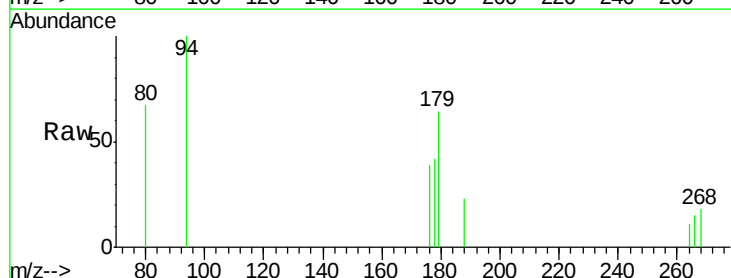
Tgt Ion:266 Resp: 110

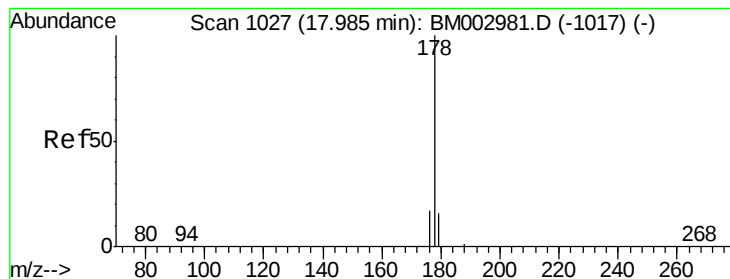
Ion Ratio Lower Upper

266 100

264 108.2 53.5 80.3#

268 0.0 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: BM002995.D

Acq: 23 Oct 2015 02:05

Instrument :

BNA_M

ClientSampleId :

JG9L0

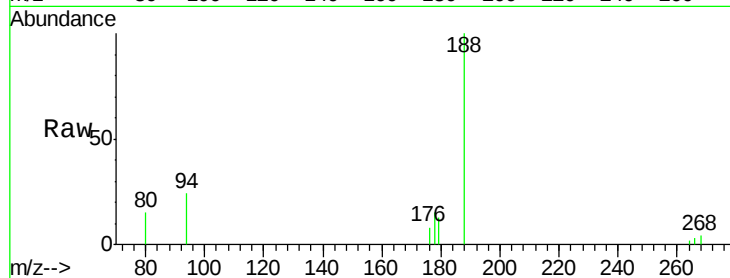
Tot Ion:178 Resp: 1724

Ion Ratio Lower Upper

178 100

176 55.6 16.2 24.4#

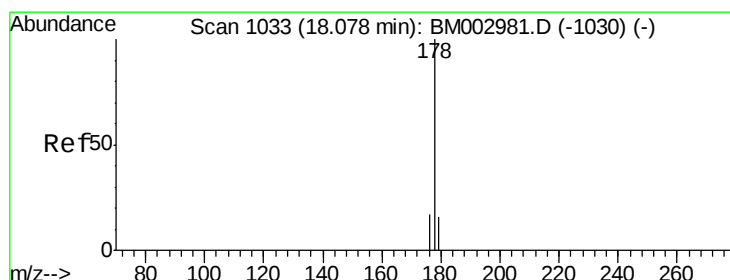
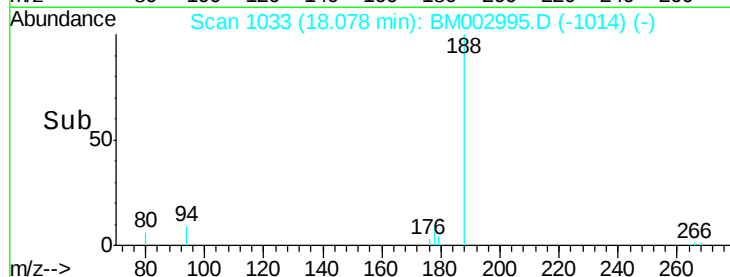
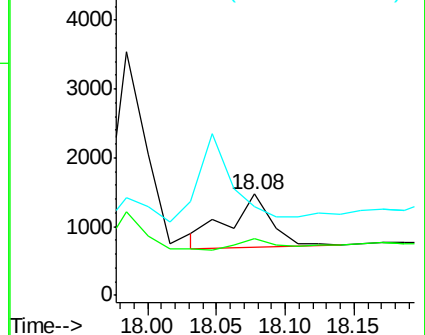
179 87.2 12.8 19.2#



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: 0.00 ng/ul

RT: 18.22 min Scan# 1042

Delta R.T. 0.14 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

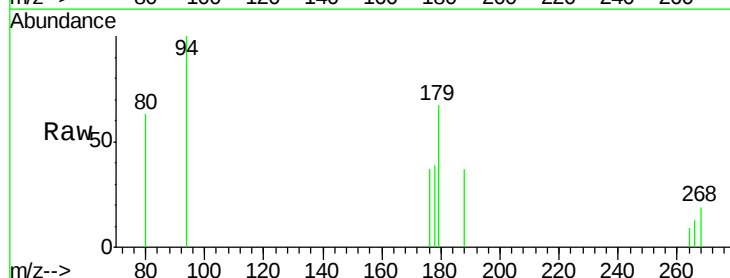
Tgt Ion:178 Resp: 184

Ion Ratio Lower Upper

178 100

176 95.9 15.8 23.8#

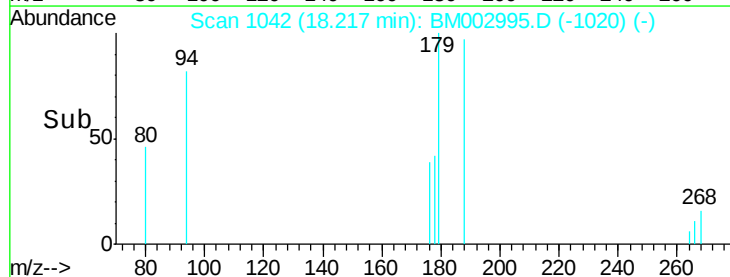
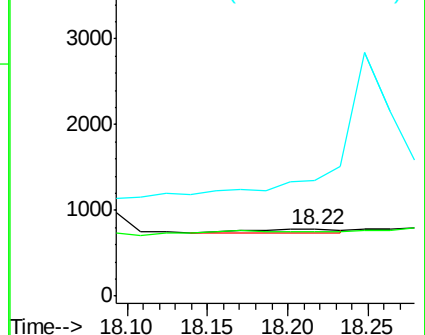
179 172.7 13.3 19.9#

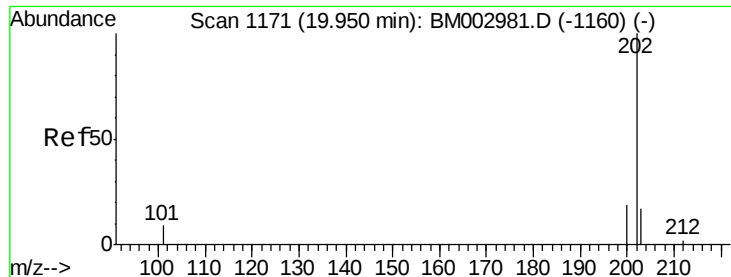


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 20.11 min Scan# 1184

Delta R.T. 0.16 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

Instrument :

BNA_M

ClientSampleId :

JG9L0

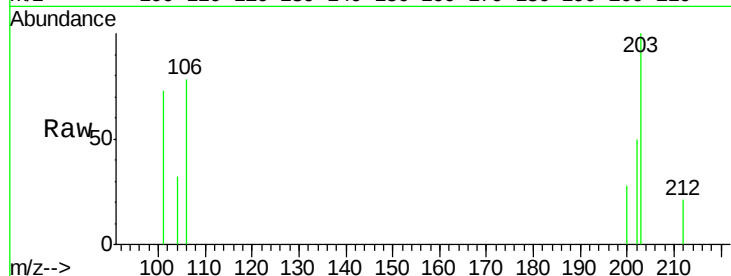
Tot Ion:202 Resp: 492

Ion Ratio Lower Upper

202 100

101 145.0 0.0 33.1#

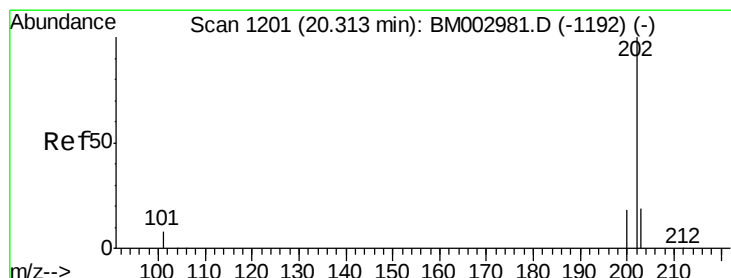
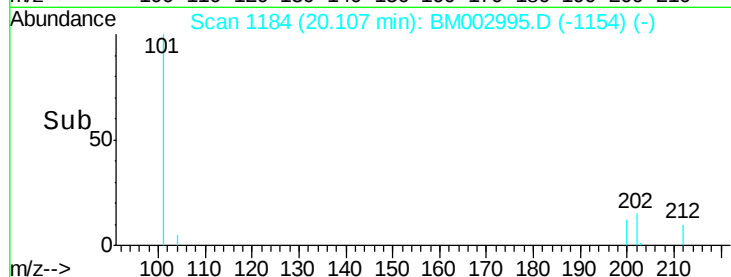
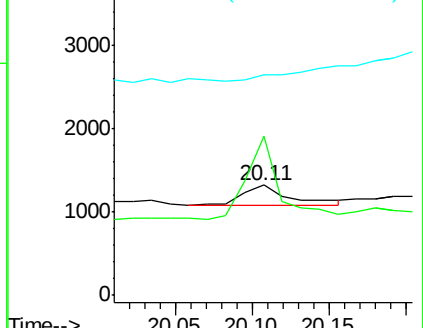
203 199.9 0.0 37.2#



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: 0.10 ng/ul

RT: 20.31 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

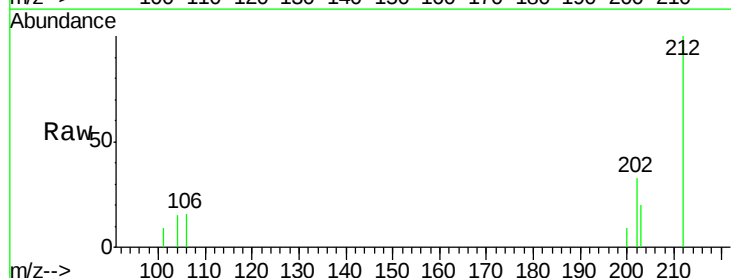
Tgt Ion:202 Resp: 11776

Ion Ratio Lower Upper

202 100

200 27.5 18.0 27.0#

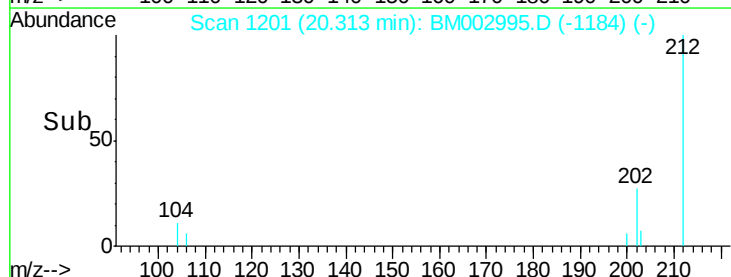
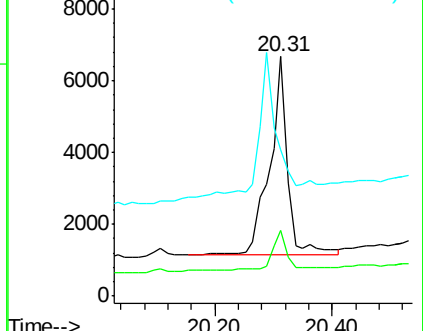
203 61.1 13.8 20.6#

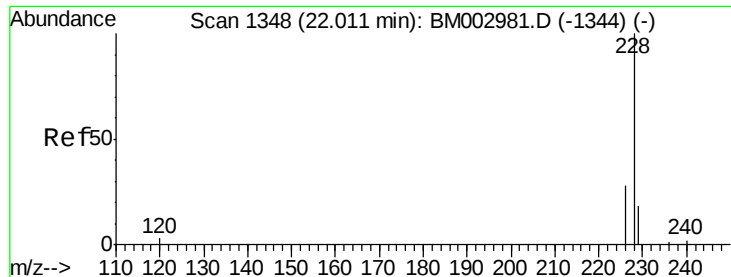


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.10 ng/ul

RT: 22.07 min Scan# 1354

Delta R.T. 0.06 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

Instrument :

BNA_M

ClientSampleId :

JG9L0

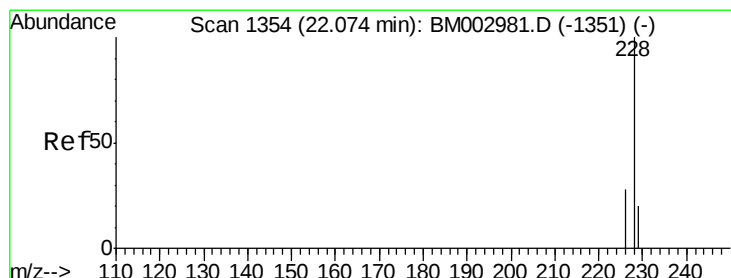
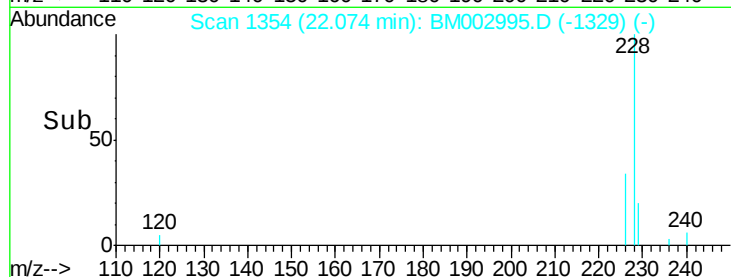
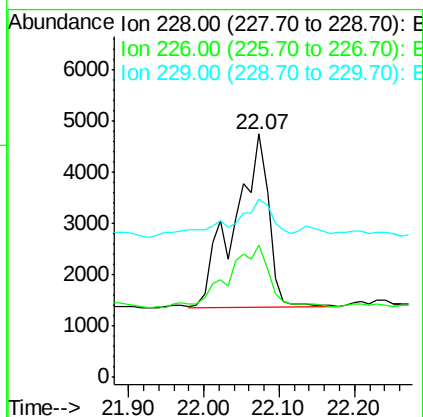
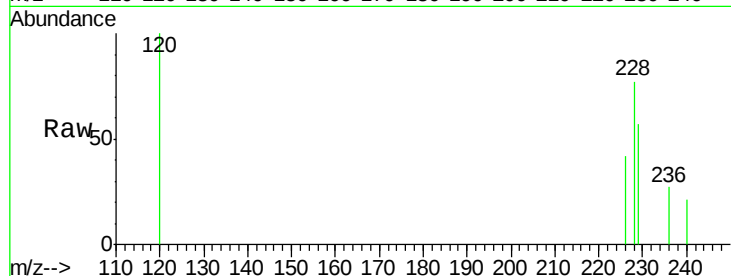
Tot Ion:228 Resp: 10792

Ion Ratio Lower Upper

228 100

226 54.1 23.0 34.4#

229 73.4 15.2 22.8#



#21

Chrysene

Concen: 0.10 ng/ul

RT: 22.07 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

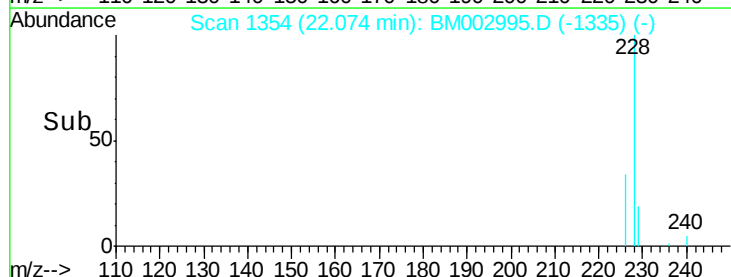
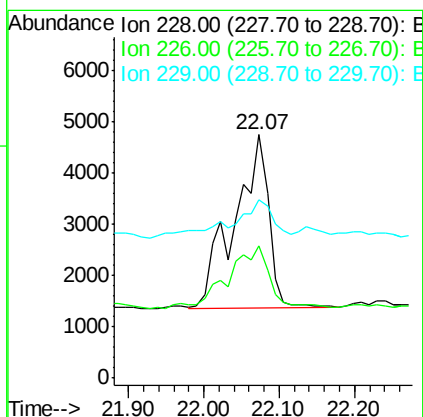
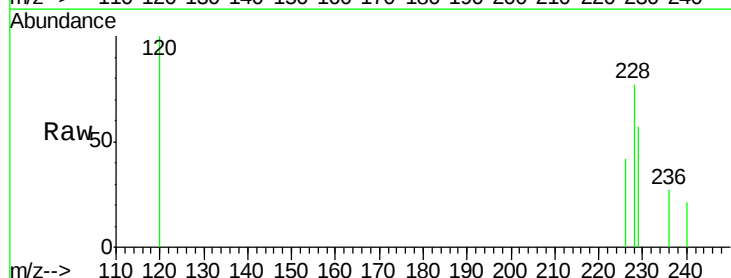
Tgt Ion:228 Resp: 10815

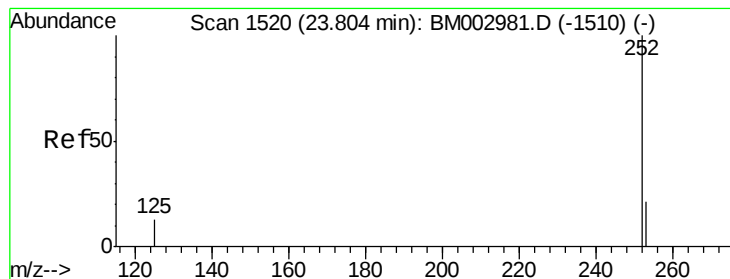
Ion Ratio Lower Upper

228 100

226 54.1 25.7 38.5#

229 73.4 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.13 ng/ul

RT: 23.81 min Scan# 1521

Delta R.T. 0.01 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

Instrument :

BNA_M

ClientSampleId :

JG9L0

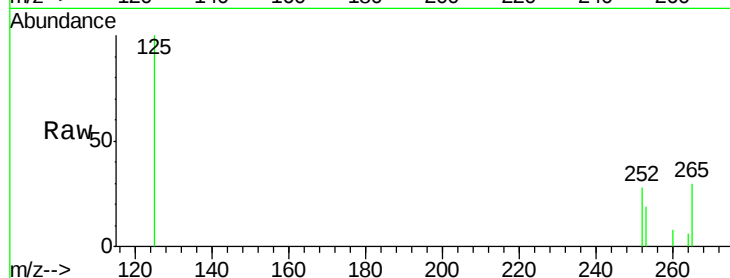
Tot Ion:252 Resp: 12097

Ion Ratio Lower Upper

252 100

253 67.6 0.0 48.0#

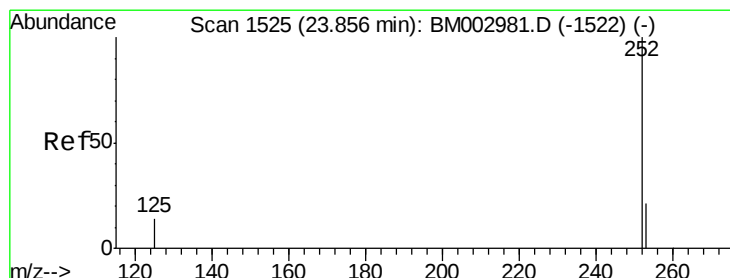
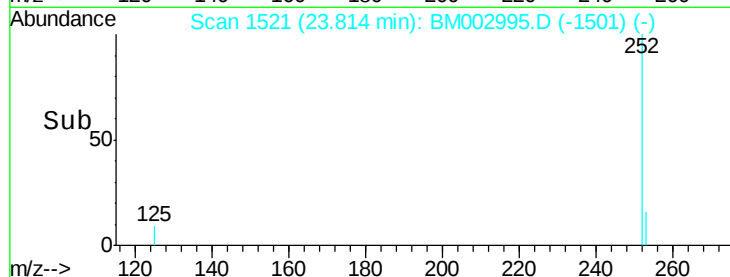
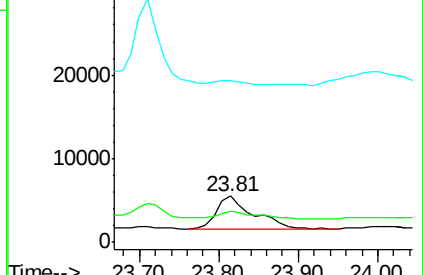
125 352.6 0.0 36.6#



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: 0.13 ng/ul

RT: 23.81 min Scan# 1521

Delta R.T. -0.04 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

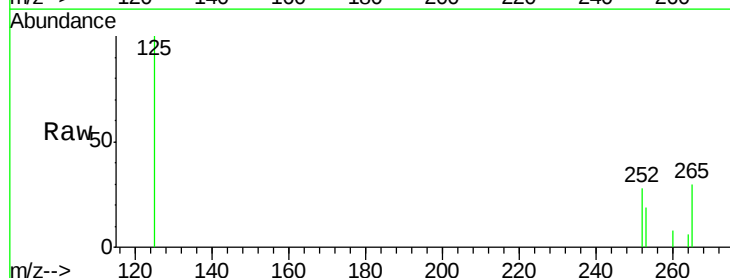
Tgt Ion:252 Resp: 12097

Ion Ratio Lower Upper

252 100

253 67.6 20.8 31.2#

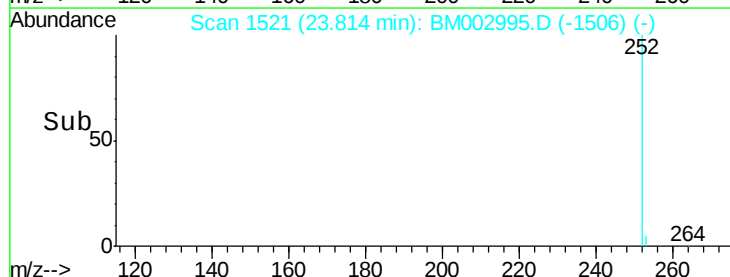
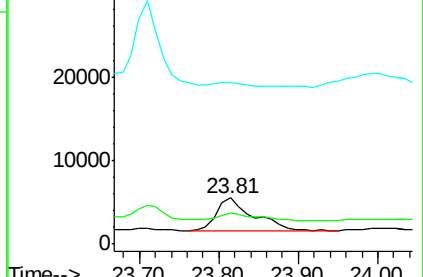
125 352.6 12.2 18.4#

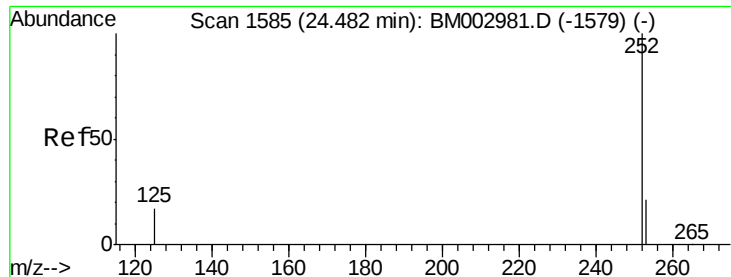


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 24.49 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

Instrument :

BNA_M

ClientSampleId :

JG9L0

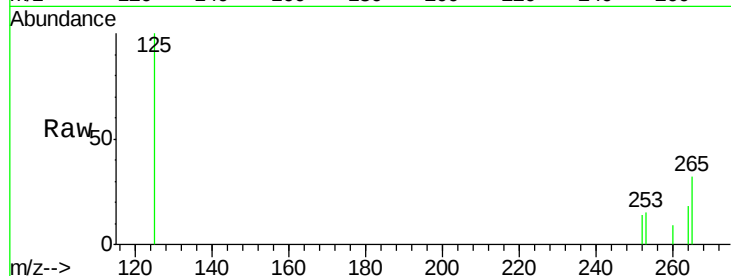
Tot Ion:252 Resp: 2947

Ion Ratio Lower Upper

252 100

253 107.3 21.8 32.8#

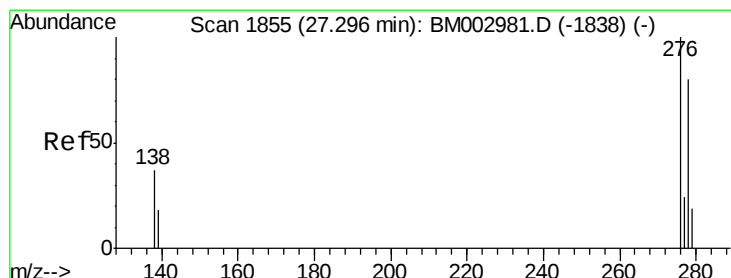
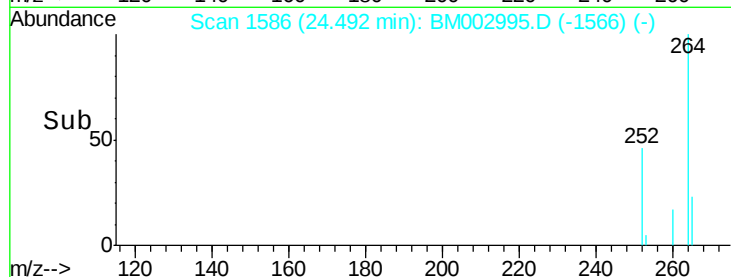
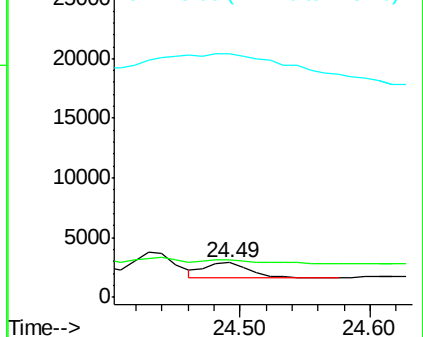
125 700.1 14.5 21.7#



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: 0.04 ng/ul

RT: 27.33 min Scan# 1858

Delta R.T. 0.03 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

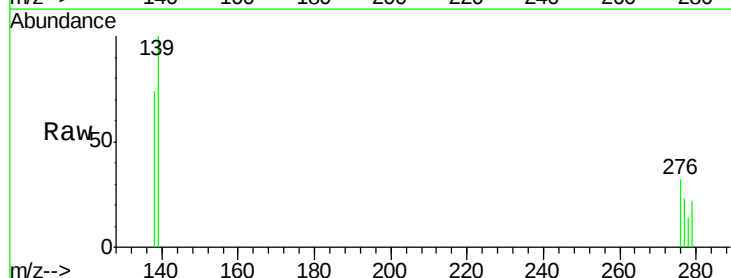
Tgt Ion:276 Resp: 4351

Ion Ratio Lower Upper

276 100

138 38.8 27.5 41.3

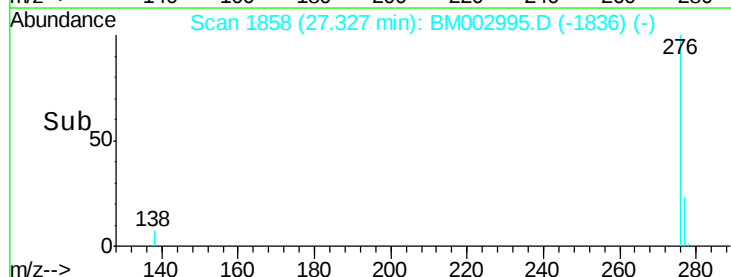
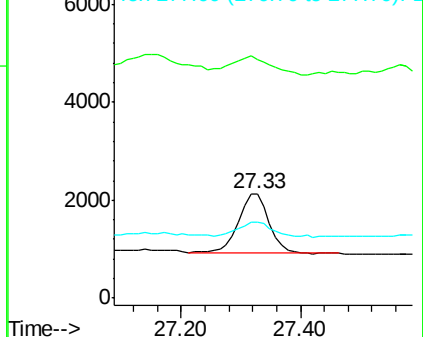
277 27.9 19.3 28.9

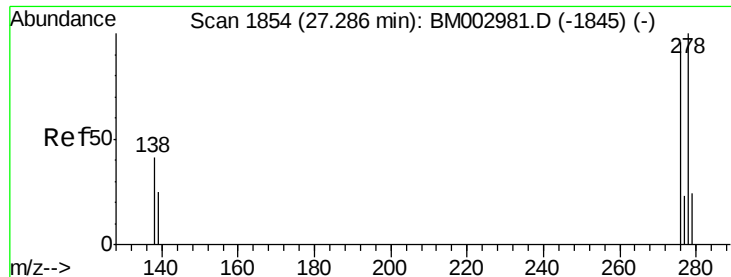


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 27.31 min Scan# 1856

Delta R.T. 0.02 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

Instrument :

BNA_M

ClientSampleId :

JG9L0

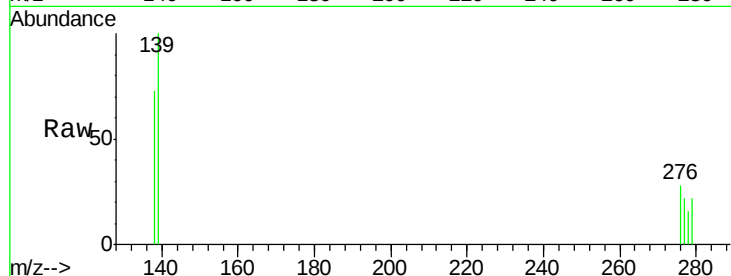
Tot Ion:278 Resp: 1240

Ion Ratio Lower Upper

278 100

139 631.1 21.7 32.5#

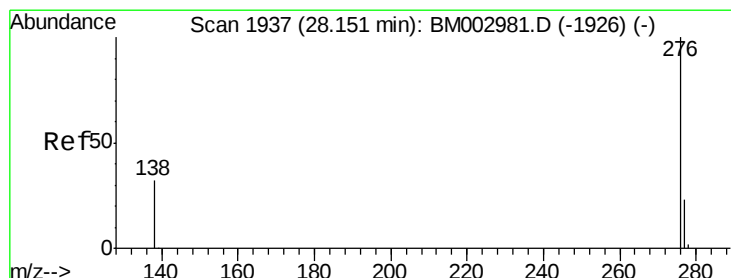
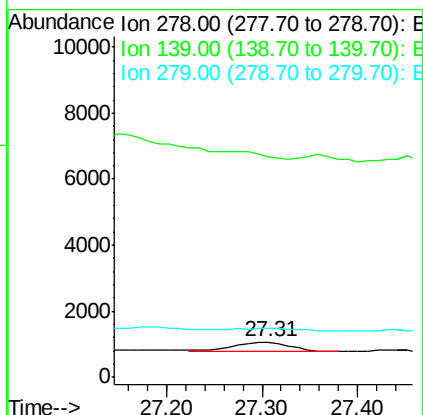
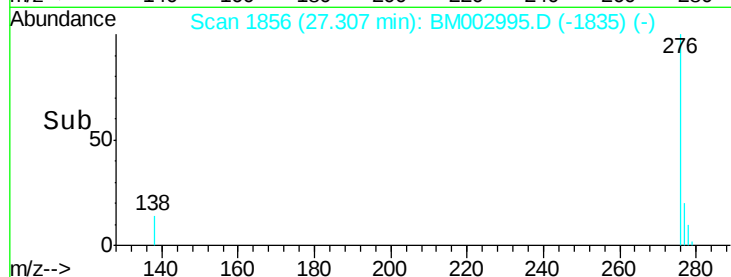
279 140.9 21.9 32.9#



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: 0.07 ng/ul

RT: 28.17 min Scan# 1939

Delta R.T. 0.02 min

Lab File: BM002995.D

Acq: 23 Oct 2015 02:05

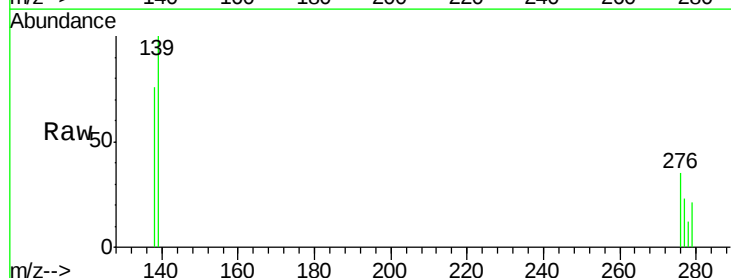
Tgt Ion:276 Resp: 6104

Ion Ratio Lower Upper

276 100

277 67.4 21.3 31.9#

138 217.8 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

