

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002991.D
 Acq On : 22 Oct 2015 23:39
 Operator : UM/IZ
 Sample : G4074-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9H3

Quant Time: Oct 23 02:02:15 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	10843	0.40	ng/ul	0.00
4) Naphthalene-d8	11.49	136	42061	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.24	164	18724	0.40	ng/ul	0.02
12) Phenanthrene-d10	18.05	188	1461443	0.40	ng/ul	0.11
18) Chrysene-d12	22.28	240	1048	0.40	ng/ul	0.25
22) Perylene-d12	24.82	264	1669	0.40	ng/ul	0.22

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.73	96	34368	2.97	ng/uL	0.02
6) 2-Methylnaphthalene-d10	13.05	152	17920	0.25	ng/ul	0.01
16) Fluoranthene-d10	19.94	212	16403	0.00	ng/ul	0.01

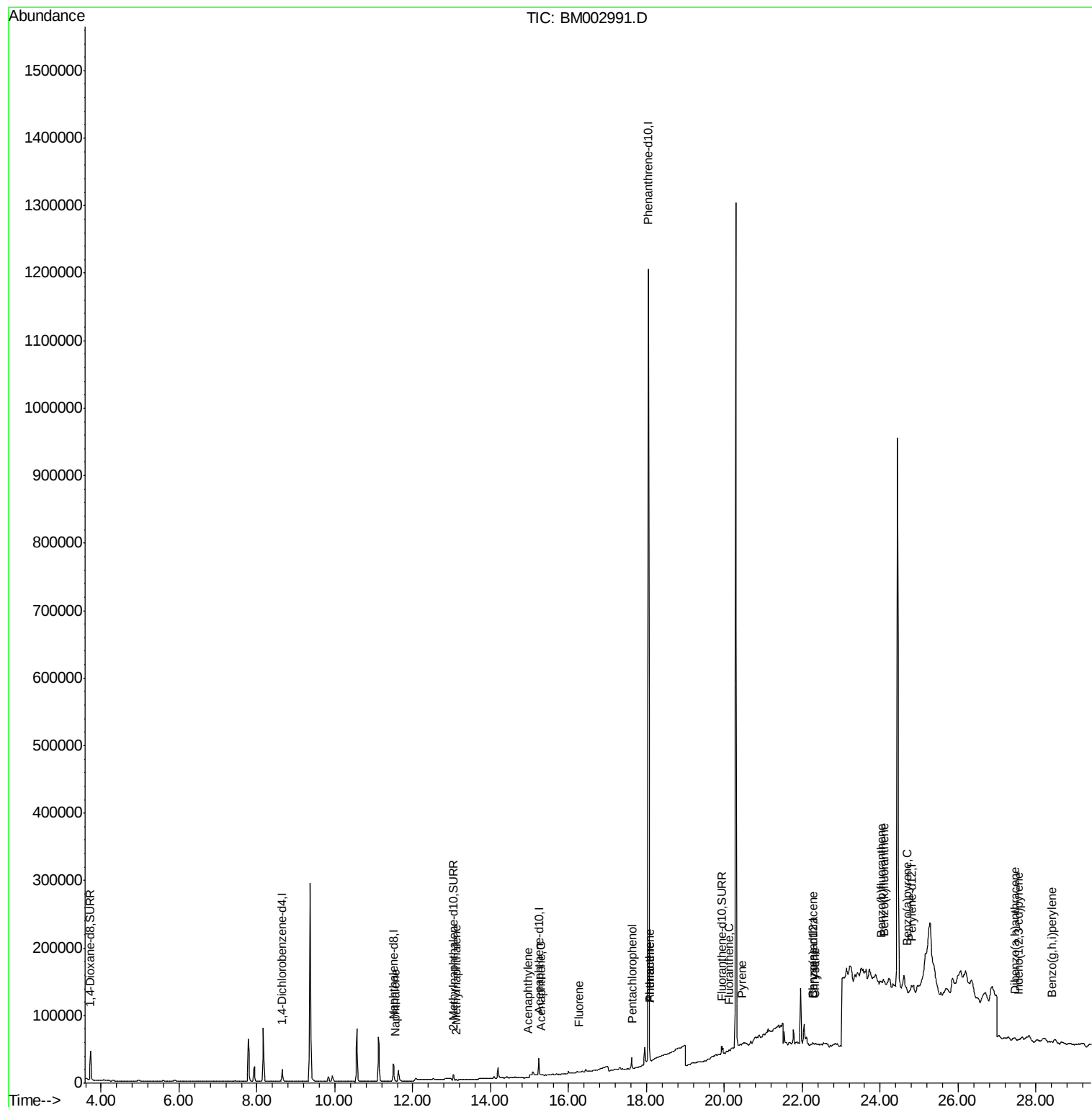
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	11.55	128	1027	0.01	ng/ul#	28
7) 2-Methylnaphthalene	13.11	142	1670	0.02	ng/ul#	34
9) Acenaphthylene	14.97	152	922	0.01	ng/ul#	1
10) Acenaphthene	15.30	153	299	0.00	ng/ul#	57
11) Fluorene	16.27	166	1249	0.02	ng/ul#	1
13) Pentachlorophenol	17.64	266	253	0.00	ng/ul#	37
14) Phenanthrene	18.08	178	4330	0.00	ng/ul#	1
15) Anthracene	18.08	178	2507	0.00	ng/ul#	1
17) Fluoranthene	20.13	202	3968	0.00	ng/ul#	1
19) Pyrene	20.46	202	4228	1.11	ng/ul#	1
20) Benzo(a)anthracene	22.27	228	1049	0.30	ng/ul#	1
21) Chrysene	22.33	228	919	0.26	ng/ul#	1
23) Benzo(b)fluoranthene	24.02	252	936	0.16	ng/ul#	1
24) Benzo(k)fluoranthene	24.11	252	535	0.09	ng/ul#	1
25) Benzo(a)pyrene	24.69	252	5548	0.99	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.56	276	497	0.08	ng/ul#	45
27) Dibenzo(a,h)anthracene	27.45	278	662	0.13	ng/ul#	1
28) Benzo(a,h,i)perylene	28.41	276	303	0.06	ng/ul#	1

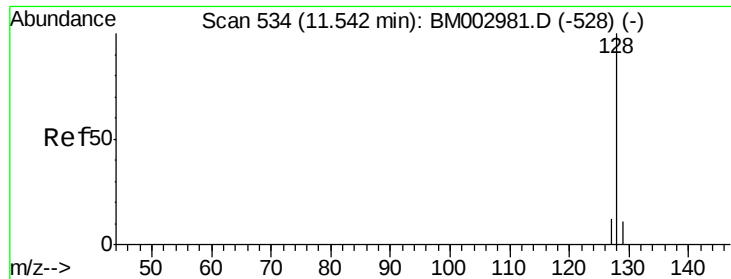
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 11.55 min Scan# 535

Delta R.T. 0.01 min

Lab File: BM002991.D

Acq: 22 Oct 2015 23:39

Instrument :

BNA_M

ClientSampleId :

JG9H3

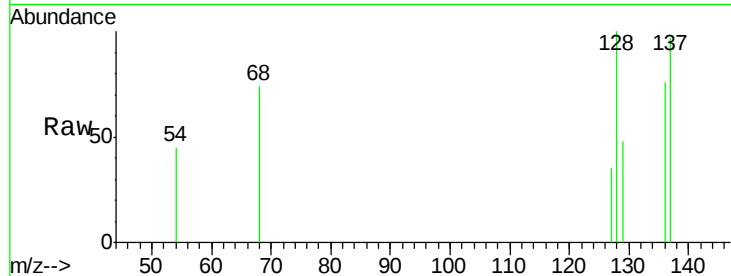
Tot Ion:128 Resp: 1027

Ion Ratio Lower Upper

128 100

129 47.5 9.8 14.8#

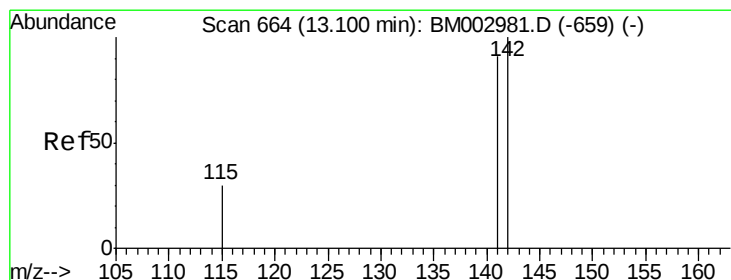
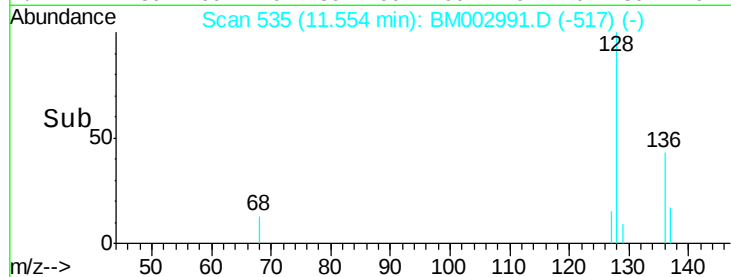
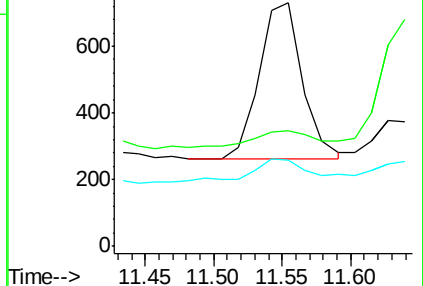
127 35.5 10.7 16.1#



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: 0.02 ng/ul

RT: 13.11 min Scan# 665

Delta R.T. 0.01 min

Lab File: BM002991.D

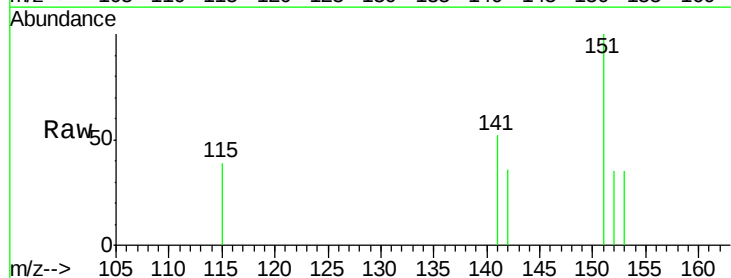
Acq: 22 Oct 2015 23:39

Tgt Ion:142 Resp: 1670

Ion Ratio Lower Upper

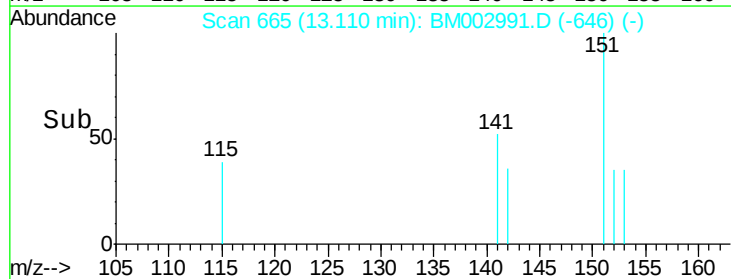
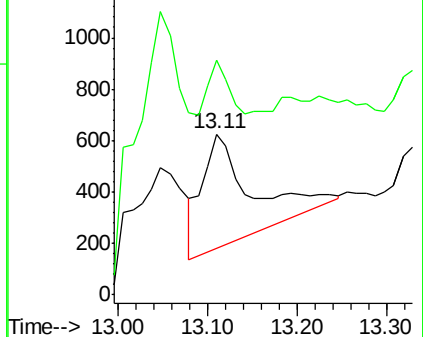
142 100

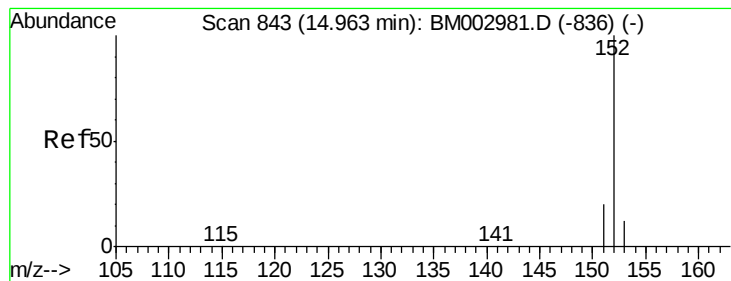
141 149.3 70.3 105.5#



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: 14.97 min Scan# 844

Delta R.T. 0.01 min

Lab File: BM002991.D

Acq: 22 Oct 2015 23:39

Instrument :

BNA_M

ClientSampleId :

JG9H3

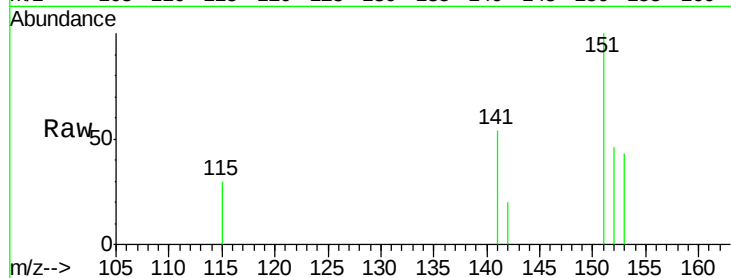
Tot Ion:152 Resp: 922

Ion Ratio Lower Upper

152 100

151 216.4 16.8 25.2#

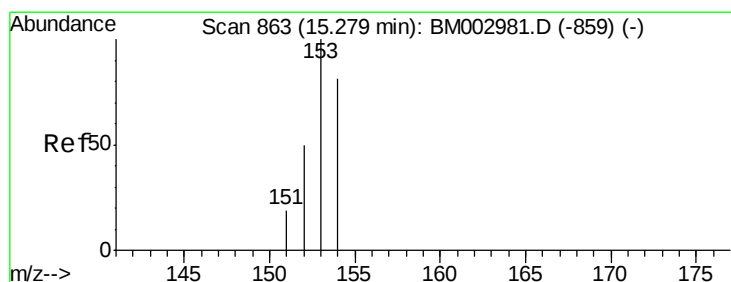
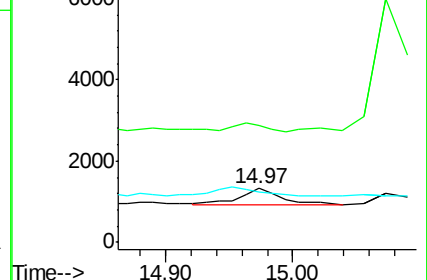
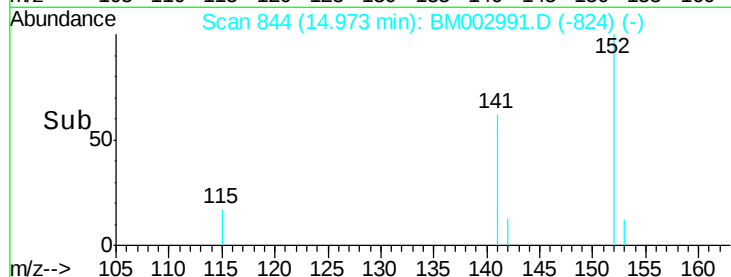
153 92.7 11.3 16.9#



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



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 15.30 min Scan# 864

Delta R.T. 0.02 min

Lab File: BM002991.D

Acq: 22 Oct 2015 23:39

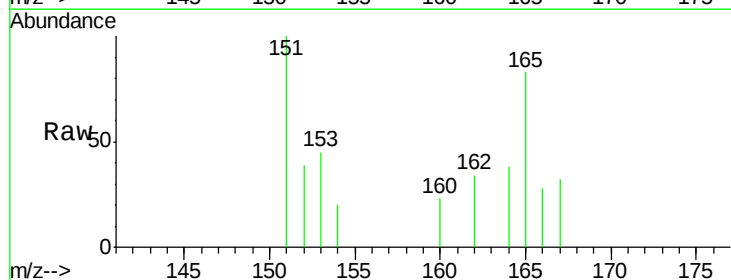
Tgt Ion:153 Resp: 299

Ion Ratio Lower Upper

153 100

152 87.3 42.3 63.5#

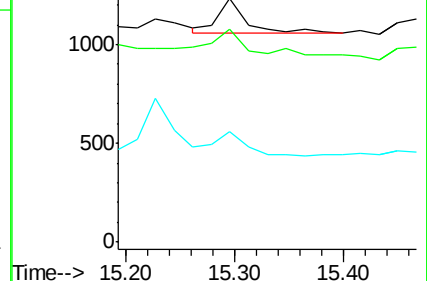
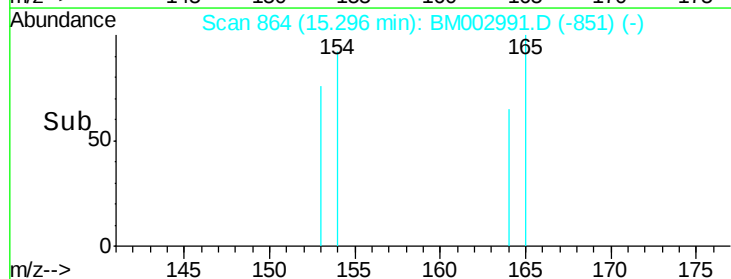
154 45.6 64.7 97.1#

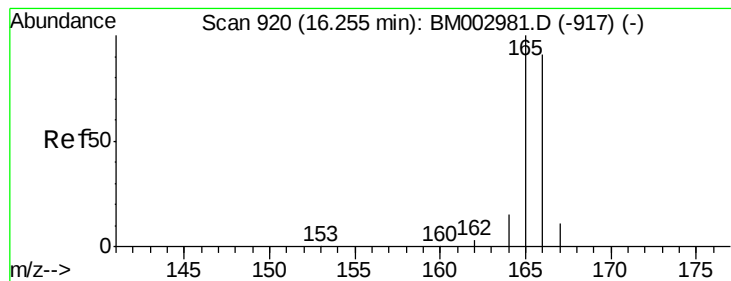


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.02 ng/ul

RT: 16.27 min Scan# 921

Delta R.T. 0.02 min

Lab File: BM002991.D

Acq: 22 Oct 2015 23:39

Instrument :

BNA_M

ClientSampleId :

JG9H3

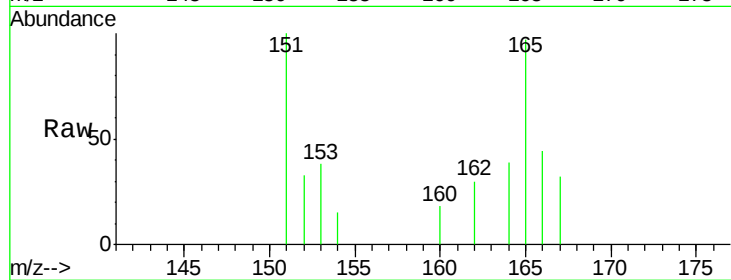
Tot Ion:166 Resp: 1249

Ion Ratio Lower Upper

166 100

165 219.6 87.6 131.4#

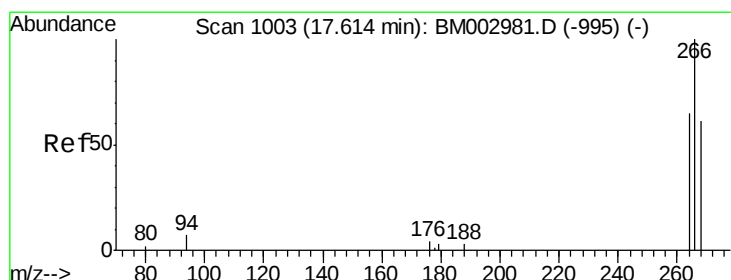
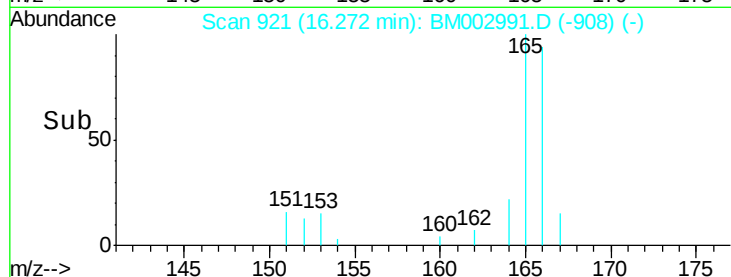
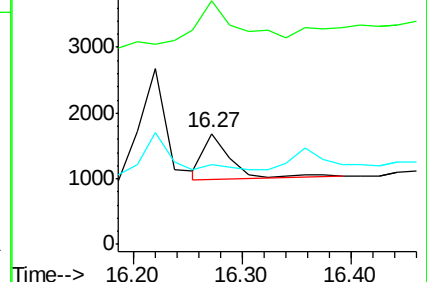
167 72.4 11.1 16.7#



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: 0.00 ng/ul

RT: 17.64 min Scan# 1005

Delta R.T. 0.03 min

Lab File: BM002991.D

Acq: 22 Oct 2015 23:39

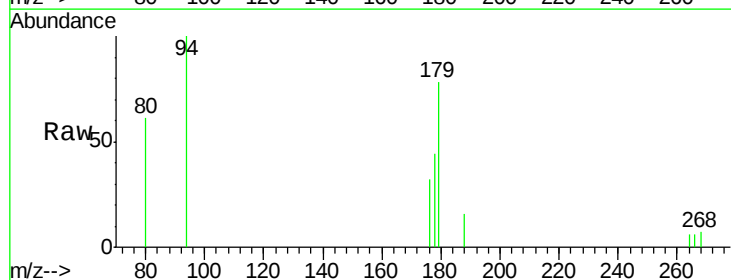
Tgt Ion:266 Resp: 253

Ion Ratio Lower Upper

266 100

264 33.6 53.5 80.3#

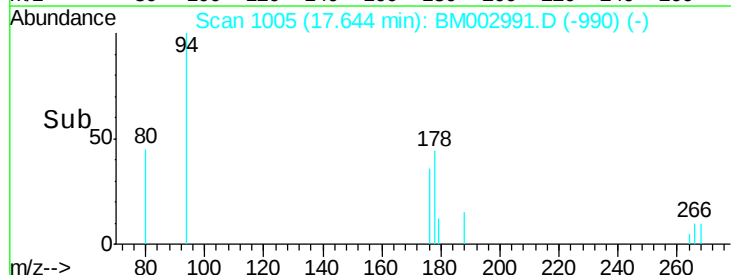
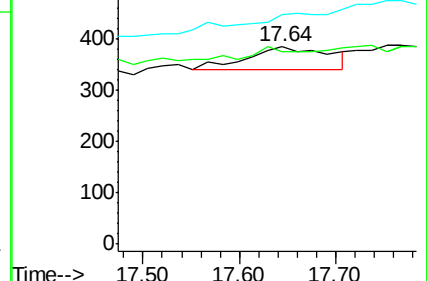
268 0.0 54.2 81.2#

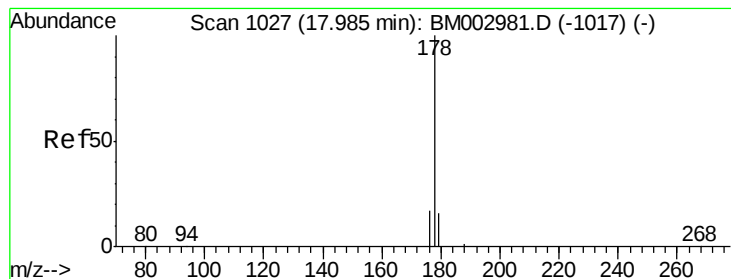


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. 0.09 min

Lab File: BM002991.D

Acq: 22 Oct 2015 23:39

Instrument :

BNA_M

ClientSampleId :

JG9H3

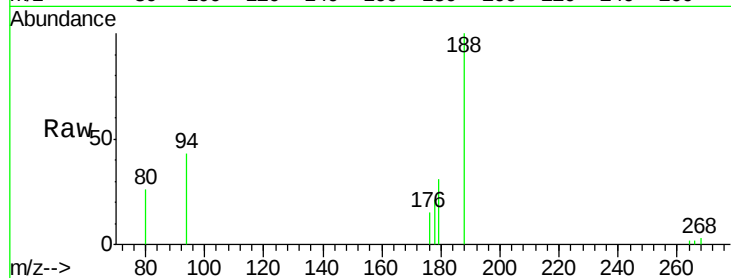
Tot Ion:178 Resp: 4330

Ion Ratio Lower Upper

178 100

176 68.9 16.2 24.4#

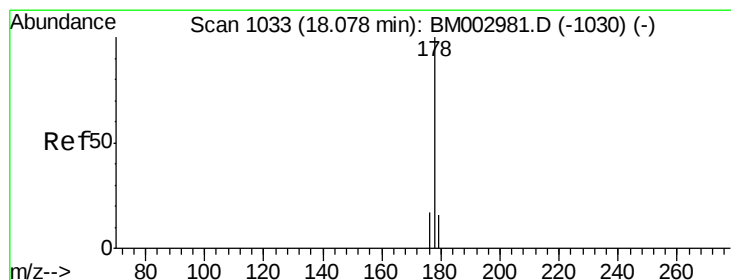
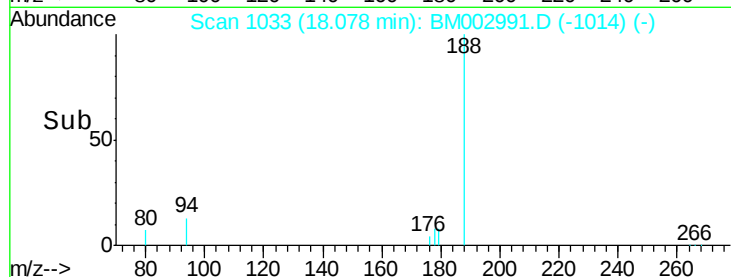
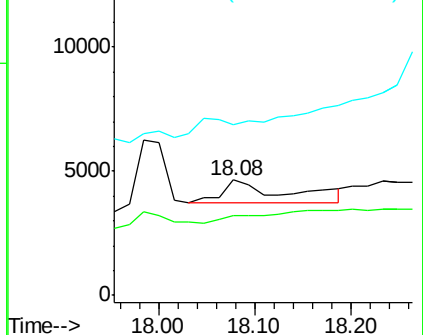
179 148.7 12.8 19.2#



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: 18.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM002991.D

Acq: 22 Oct 2015 23:39

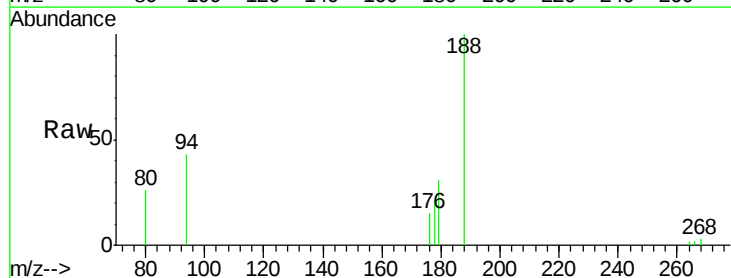
Tgt Ion:178 Resp: 2507

Ion Ratio Lower Upper

178 100

176 68.9 15.8 23.8#

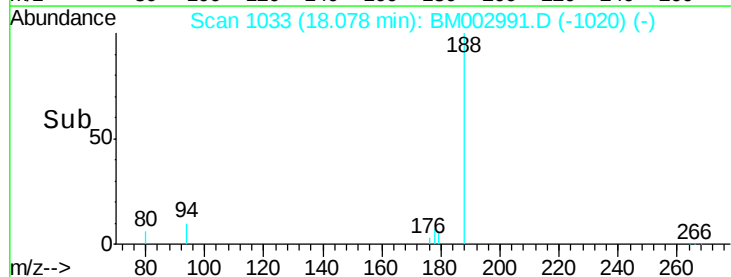
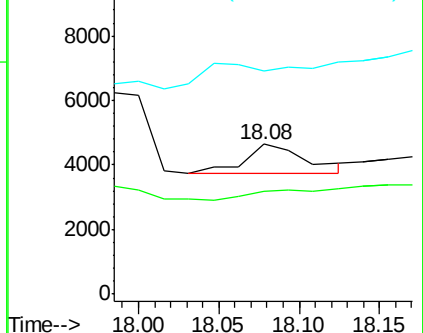
179 148.7 13.3 19.9#

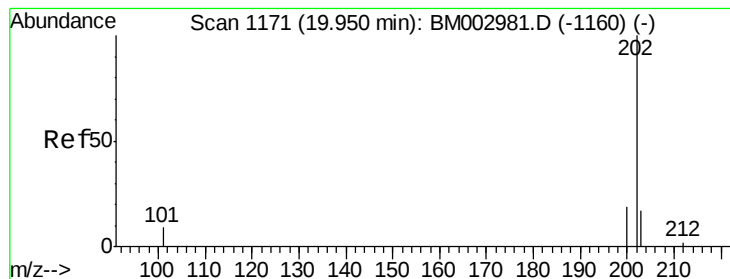


Abundance Ion 178.00 (177.70 to 178.70): E

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: 20.13 min Scan# 1186

Delta R.T. 0.18 min

Lab File: BM002991.D

Acq: 22 Oct 2015 23:39

Instrument :

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ClientSampleId :

JG9H3

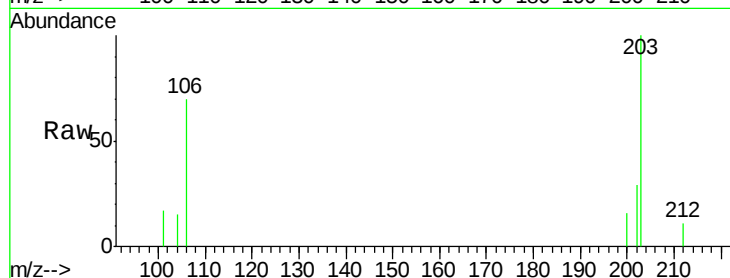
Tot Ion:202 Resp: 3968

Ion Ratio Lower Upper

202 100

101 57.9 0.0 33.1#

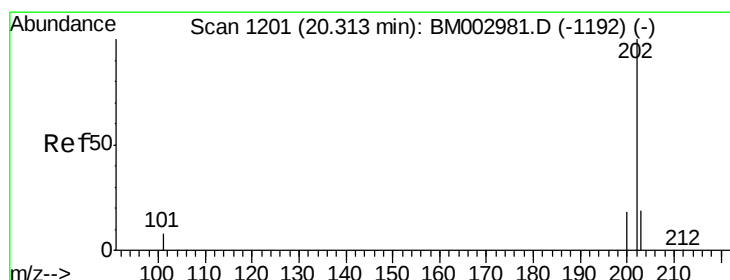
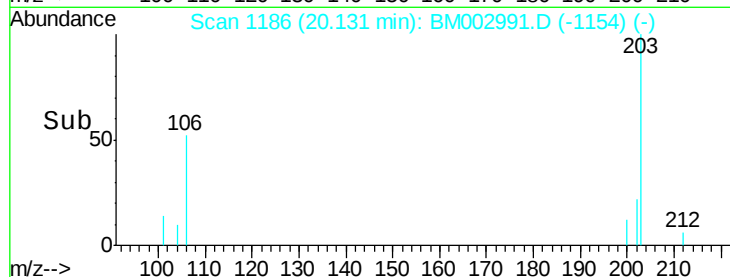
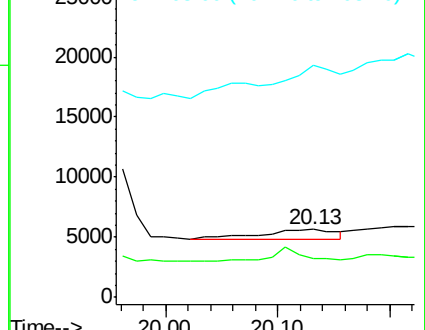
203 341.8 0.0 37.2#



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: 1.11 ng/ul

RT: 20.46 min Scan# 1213

Delta R.T. 0.15 min

Lab File: BM002991.D

Acq: 22 Oct 2015 23:39

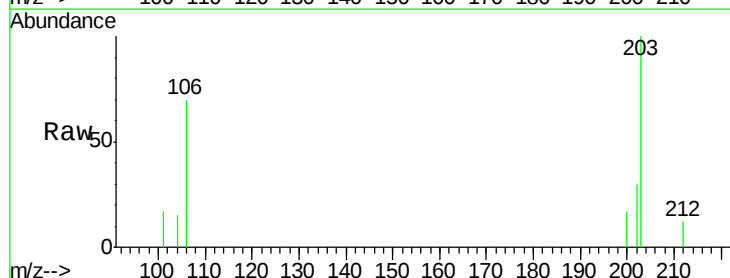
Tgt Ion:202 Resp: 4228

Ion Ratio Lower Upper

202 100

200 57.1 18.0 27.0#

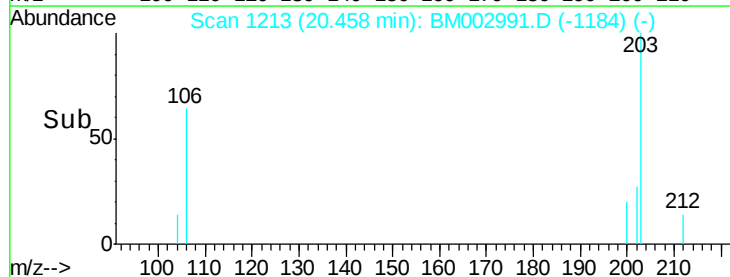
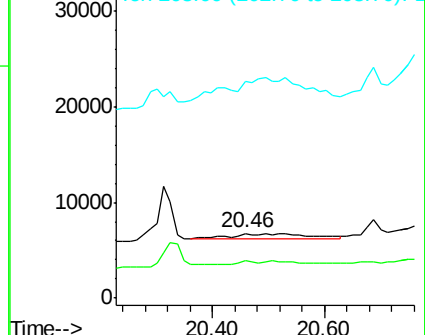
203 333.9 13.8 20.6#

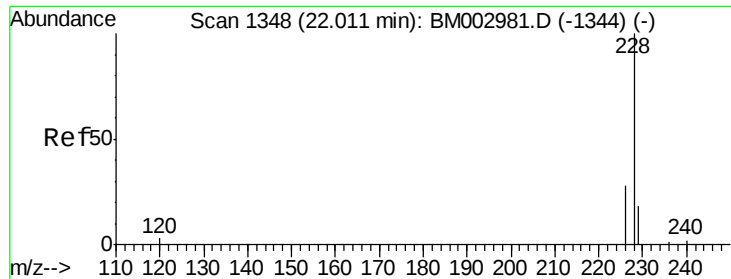


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.30 ng/ul

RT: 22.27 min Scan# 1373

Delta R.T. 0.26 min

Lab File: BM002991.D

Acq: 22 Oct 2015 23:39

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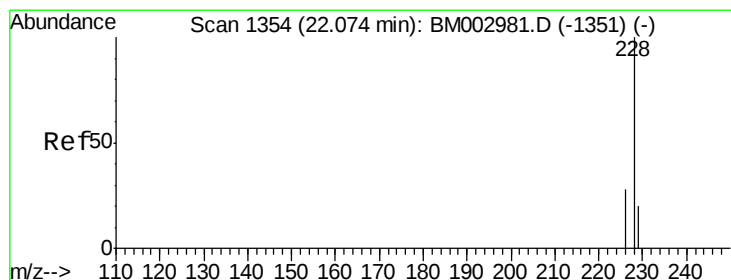
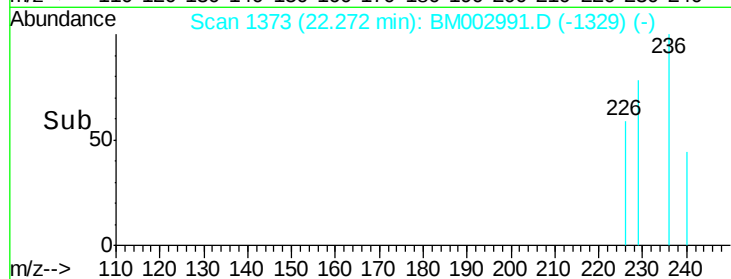
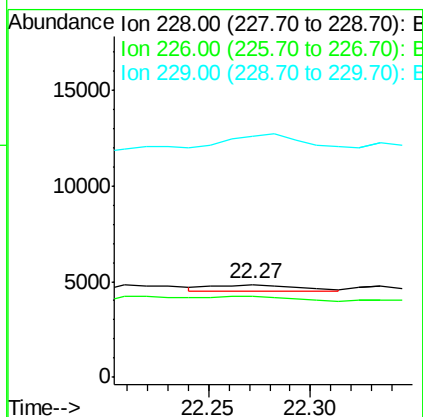
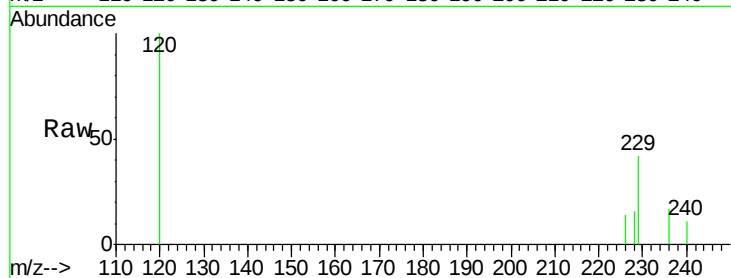
Tot Ion:228 Resp: 1049

Ion Ratio Lower Upper

228 100

226 88.0 23.0 34.4#

229 260.2 15.2 22.8#



#21

Chrysene

Concen: 0.26 ng/ul

RT: 22.33 min Scan# 1379

Delta R.T. 0.26 min

Lab File: BM002991.D

Acq: 22 Oct 2015 23:39

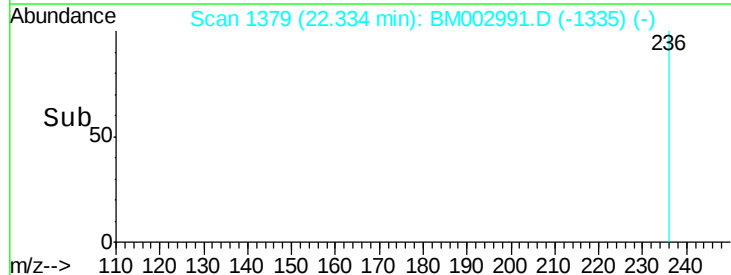
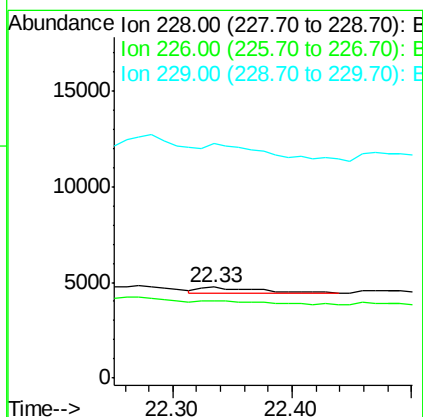
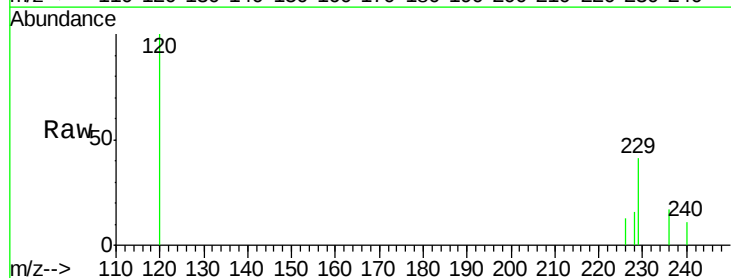
Tgt Ion:228 Resp: 919

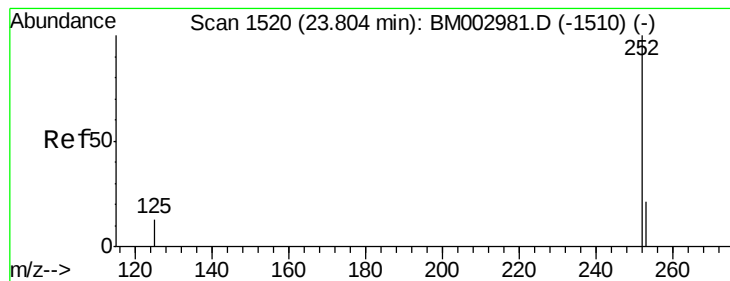
Ion Ratio Lower Upper

228 100

226 85.0 25.7 38.5#

229 258.5 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.16 ng/ul

RT: 24.02 min Scan# 1541

Delta R.T. 0.22 min

Lab File: BM002991.D

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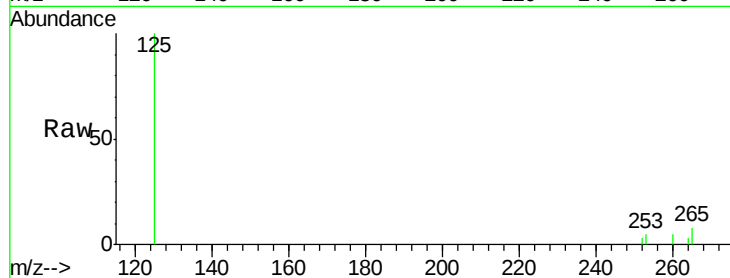
Tot Ion:252 Resp: 936

Ion Ratio Lower Upper

252 100

253 169.4 0.0 48.0#

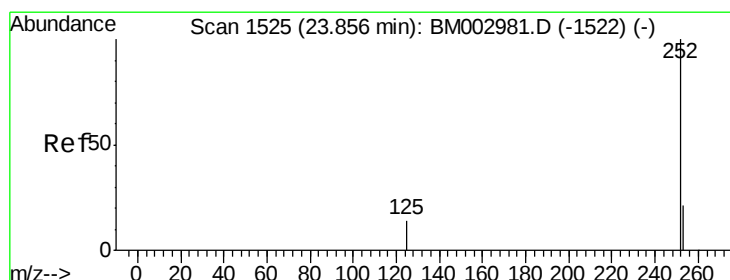
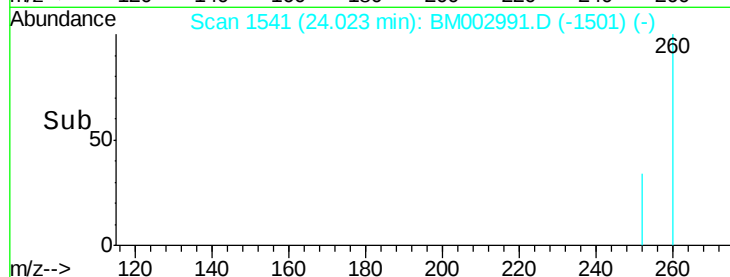
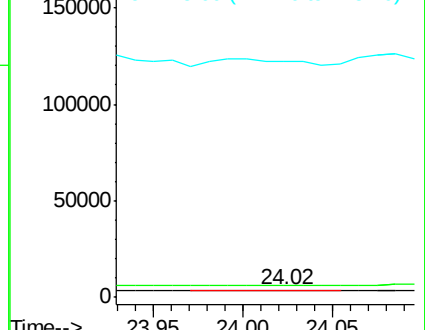
125 3304.8 0.0 36.6#



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: 24.11 min Scan# 1549

Delta R.T. 0.25 min

Lab File: BM002991.D

Acq: 22 Oct 2015 23:39

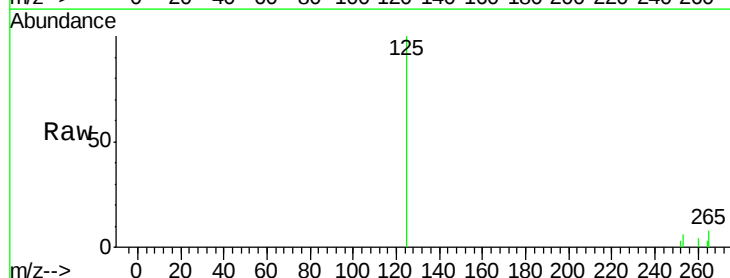
Tgt Ion:252 Resp: 535

Ion Ratio Lower Upper

252 100

253 200.2 20.8 31.2#

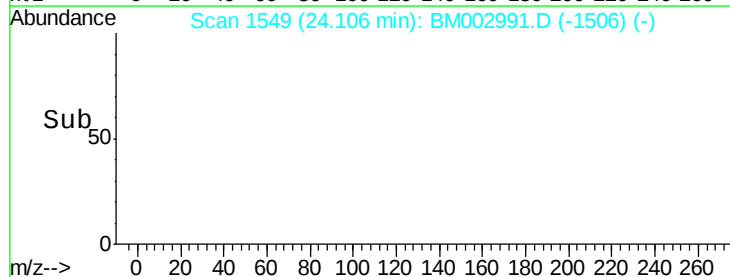
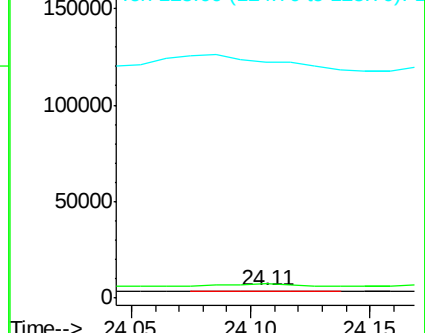
125 3383.3 12.2 18.4#

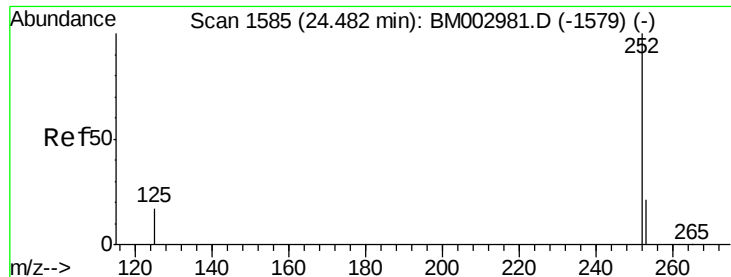


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.99 ng/ul

RT: 24.69 min Scan# 1605

Delta R.T. 0.21 min

Lab File: BM002991.D

Acq: 22 Oct 2015 23:39

Instrument :

BNA_M

ClientSampleId :

JG9H3

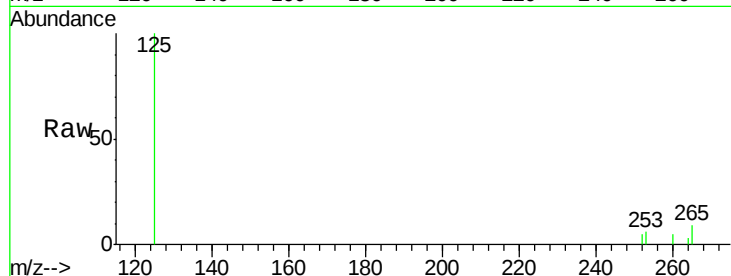
Tot Ion:252 Resp: 5548

Ion Ratio Lower Upper

252 100

253 119.8 21.8 32.8#

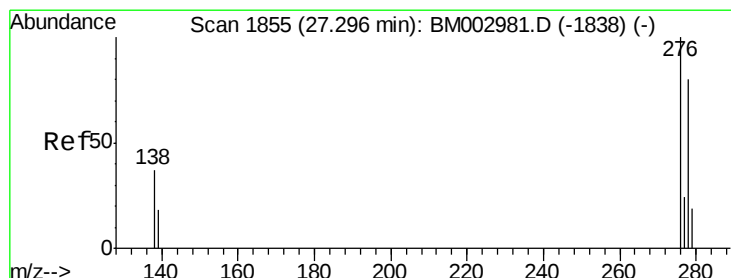
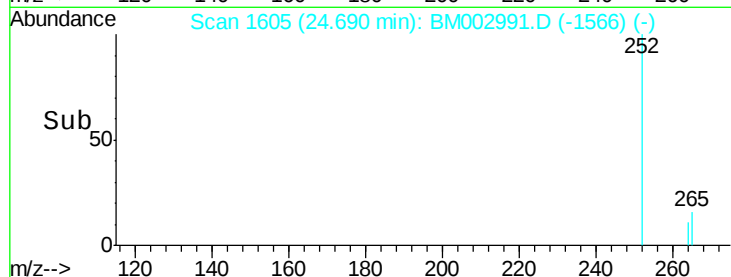
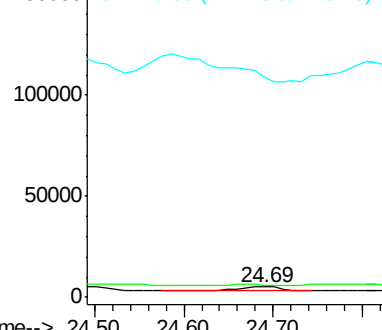
125 2102.4 14.5 21.7#



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: 0.08 ng/ul

RT: 27.56 min Scan# 1880

Delta R.T. 0.26 min

Lab File: BM002991.D

Acq: 22 Oct 2015 23:39

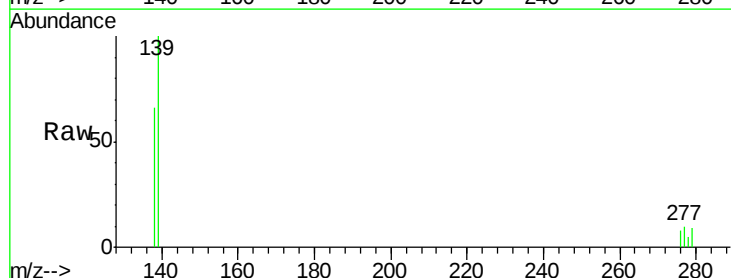
Tgt Ion:276 Resp: 497

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

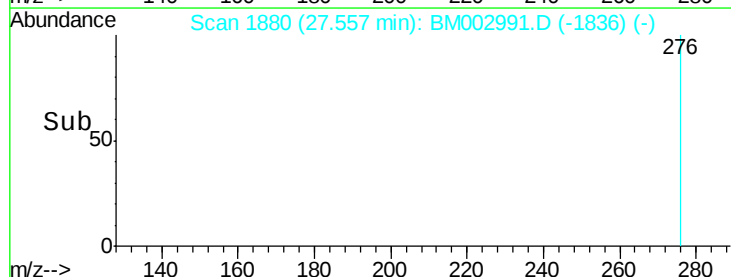
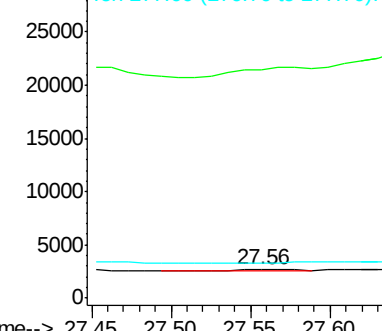
277 0.0 19.3 28.9#

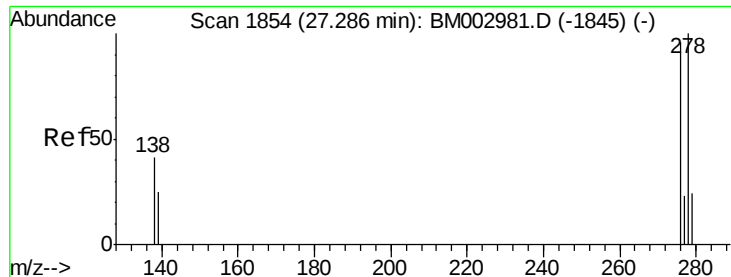


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

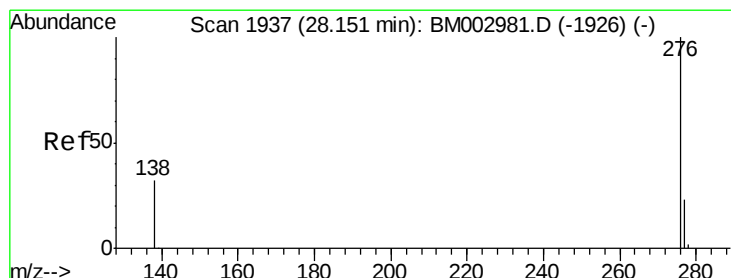
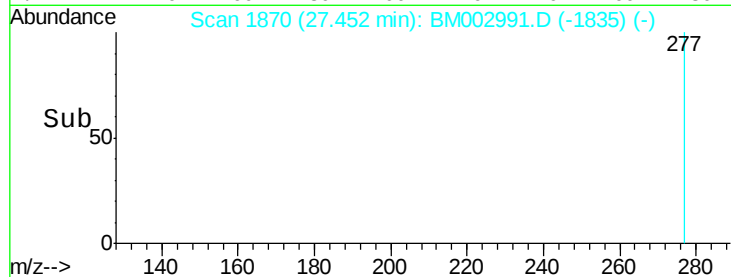
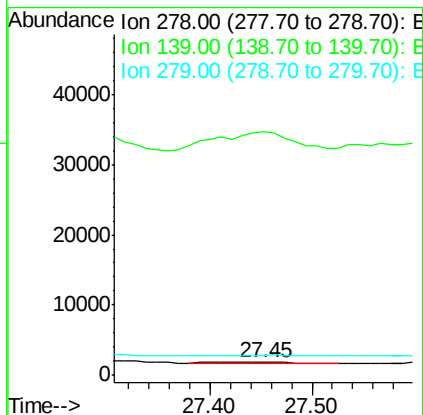
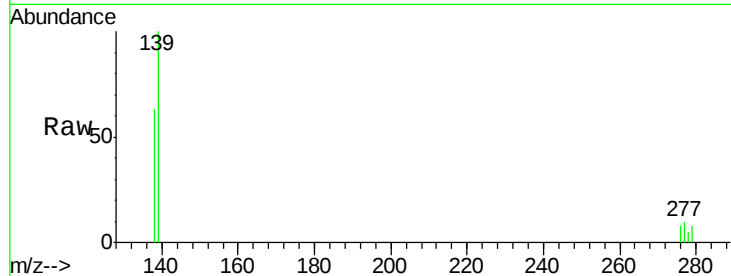




#27
Dibenzo(a,h)anthracene
Concen: 0.13 ng/ul
RT: 27.45 min Scan# 1870
Delta R.T. 0.17 min
Lab File: BM002991.D
Acq: 22 Oct 2015 23:39

Instrument :
BNA_M
ClientSampleId :
JG9H3

Tot Ion:278 Resp: 662
Ion Ratio Lower Upper
278 100
139 1861.8 21.7 32.5#
279 154.3 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.06 ng/ul
RT: 28.41 min Scan# 1962
Delta R.T. 0.26 min
Lab File: BM002991.D
Acq: 22 Oct 2015 23:39

Tgt Ion:276 Resp: 303
Ion Ratio Lower Upper
276 100
277 130.0 21.3 31.9#
138 839.7 25.5 38.3#

