

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002979.D
 Acq On : 22 Oct 2015 16:22
 Operator : UM/IZ
 Sample : G4074-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9L3

Quant Time: Oct 23 01:04:15 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 01:01:42 2015
 Response via : Initial Calibration

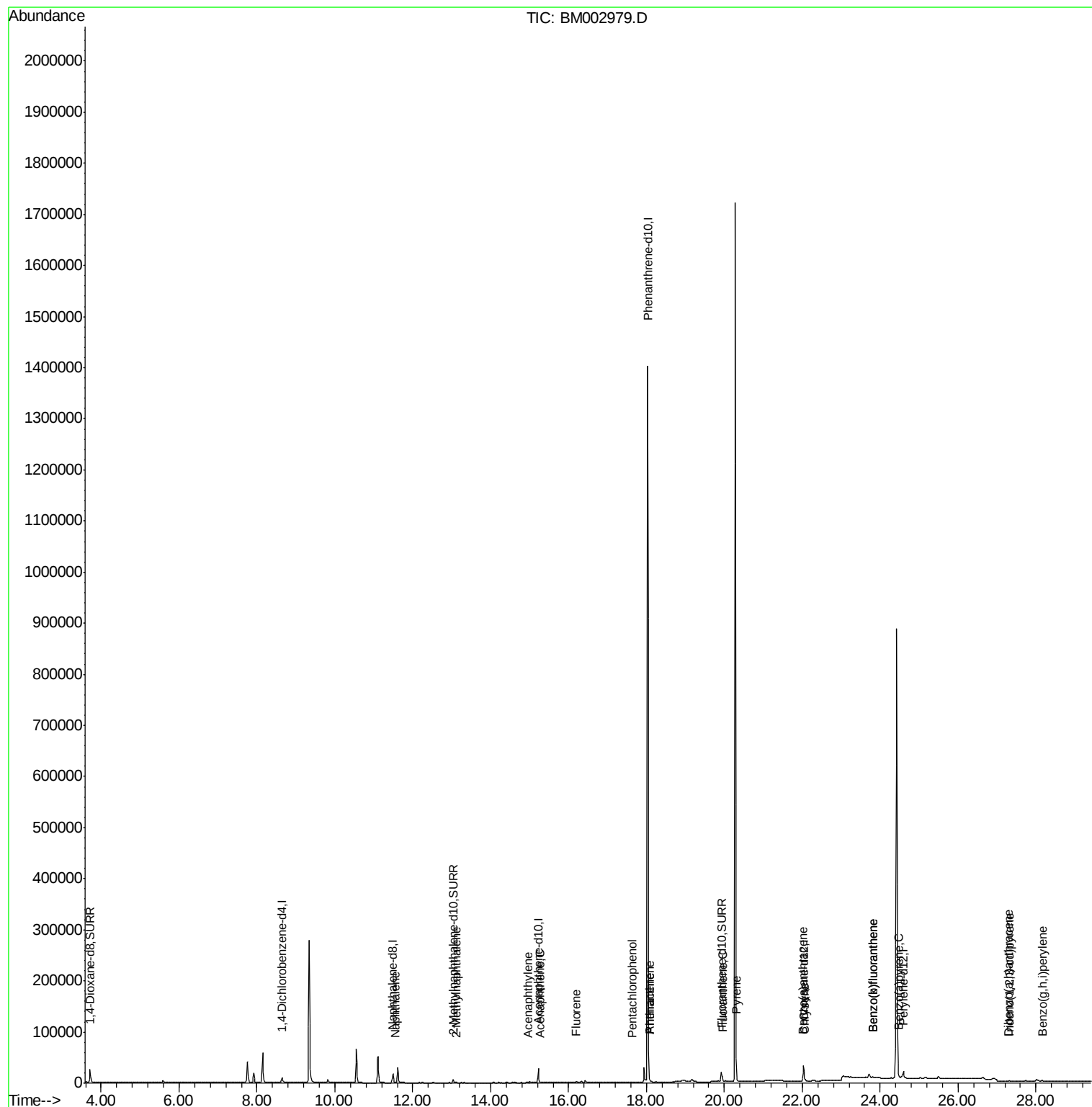
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	6812	0.40	ng/ul	0.00
4) Naphthalene-d8	11.49	136	29678	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.23	164	16848	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1883328	0.40	ng/ul	0.09
18) Chrysene-d12	22.03	240	30022	0.40	ng/ul	0.00
22) Perylene-d12	24.60	264	24968	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	20734	2.85	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	11079	0.22	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	23999	0.00	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.54	128	931	0.01	ng/ul#	60
7) 2-Methylnaphthalene	13.11	142	1910	0.03	ng/ul#	21
9) Acenaphthylene	14.96	152	633	0.01	ng/ul#	37
10) Acenaphthene	15.28	153	197	0.00	ng/ul#	76
11) Fluorene	16.20	166	3607	0.05	ng/ul#	12
13) Pentachlorophenol	17.63	266	97	0.00	ng/ul#	68
14) Phenanthrene	18.08	178	1883	0.00	ng/ul#	40
15) Anthracene	18.08	178	1804	0.00	ng/ul#	39
17) Fluoranthene	19.95	202	9688	0.00	ng/ul	85
19) Pyrene	20.30	202	11115	0.10	ng/ul#	86
20) Benzo(a)anthracene	22.01	228	2771	0.03	ng/ul#	59
21) Chrysene	22.08	228	4483	0.04	ng/ul#	69
23) Benzo(b)fluoranthene	23.81	252	6069	0.07	ng/ul#	1
24) Benzo(k)fluoranthene	23.81	252	6069	0.07	ng/ul#	1
25) Benzo(a)pyrene	24.47	252	1697	0.02	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.31	276	2028	0.02	ng/ul#	59
27) Dibenzo(a,h)anthracene	27.29	278	609	0.01	ng/ul#	1
28) Benzo(a,h,i)perylene	28.16	276	2697	0.04	ng/ul#	1

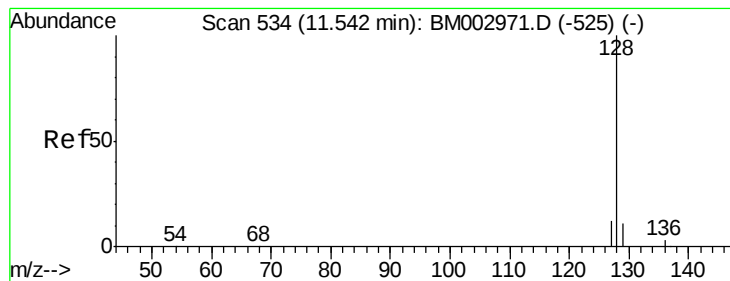
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.00 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

Instrument :

BNA_M

ClientSampleId :

JG9L3

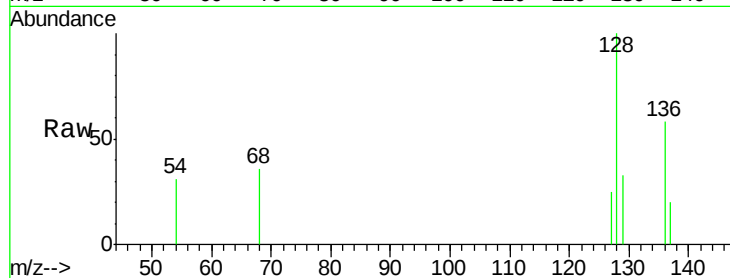
Tot Ion:128 Resp: 931

Ion Ratio Lower Upper

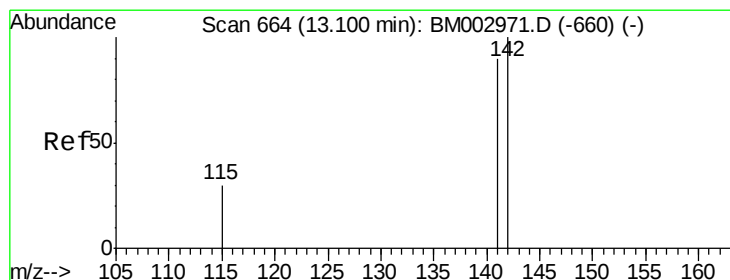
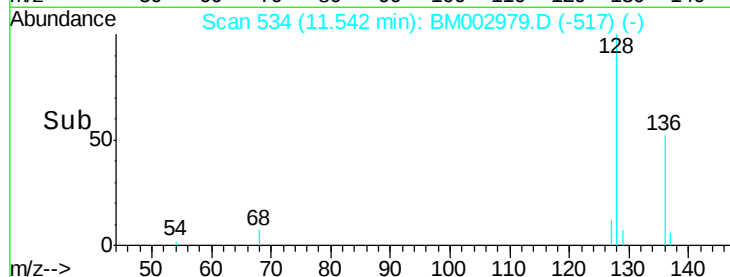
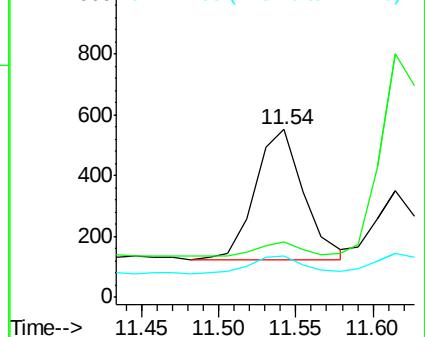
128 100

129 33.2 9.8 14.8#

127 24.7 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: 0.03 ng/ul

RT: 13.11 min Scan# 665

Delta R.T. 0.01 min

Lab File: BM002979.D

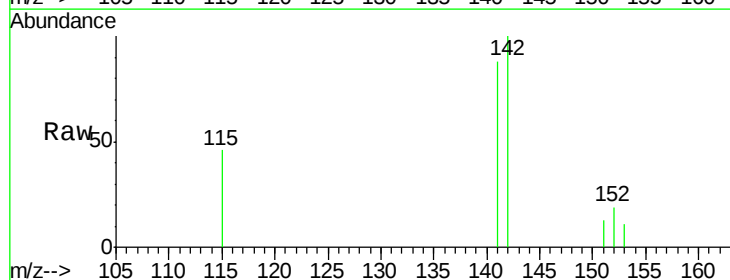
Acq: 22 Oct 2015 16:22

Tgt Ion:142 Resp: 1910

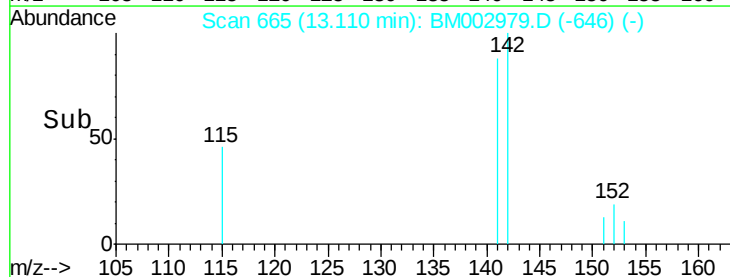
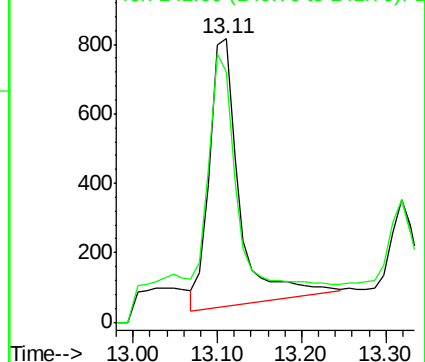
Ion Ratio Lower Upper

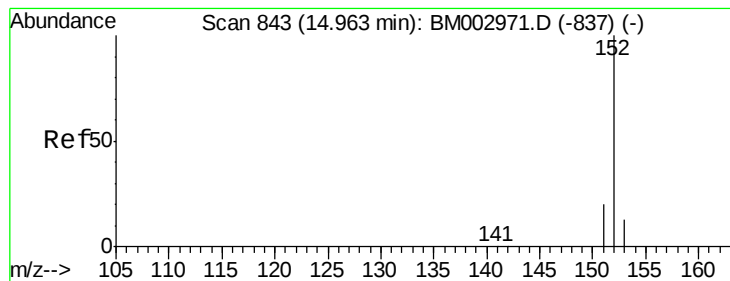
142 100

141 161.5 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: 14.96 min Scan# 843

Delta R.T. -0.00 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

Instrument :

BNA_M

ClientSampleId :

JG9L3

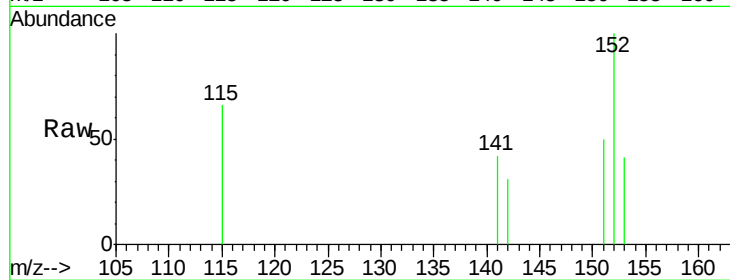
Tot Ion:152 Resp: 633

Ion Ratio Lower Upper

152 100

151 49.6 16.8 25.2#

153 40.9 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

14.96

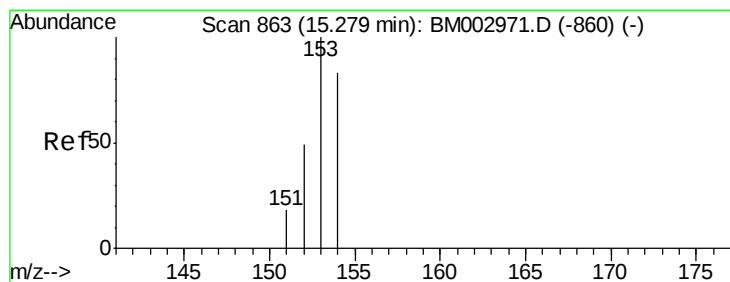
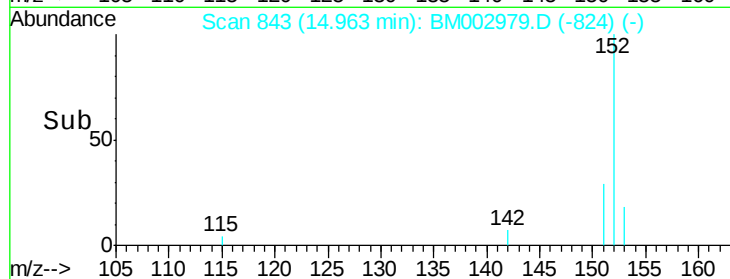
300

200

100

0

Time--> 14.80 14.90 15.00 15.10



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 15.28 min Scan# 863

Delta R.T. -0.00 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

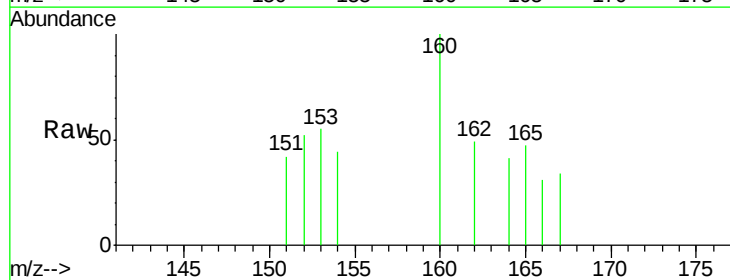
Tgt Ion:153 Resp: 197

Ion Ratio Lower Upper

153 100

152 94.9 42.3 63.5#

154 79.8 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

15.28

200

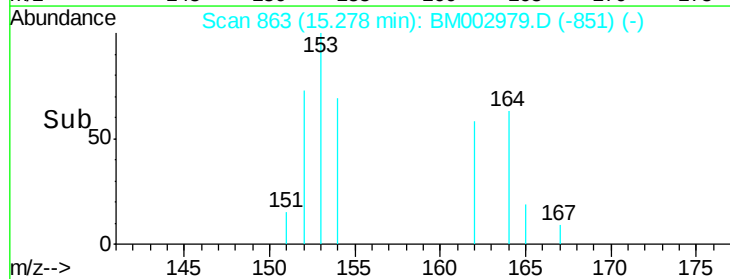
150

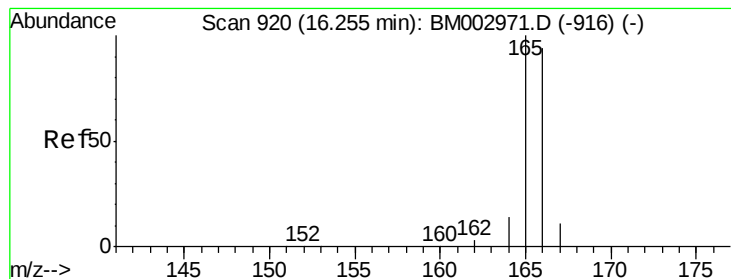
100

50

0

Time--> 15.20 15.25 15.30 15.35





#11

Fluorene

Concen: 0.05 ng/ul

RT: 16.20 min Scan# 917

Delta R.T. -0.05 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

Instrument :

BNA_M

ClientSampleId :

JG9L3

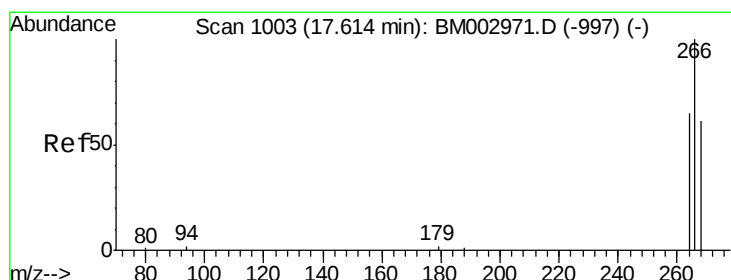
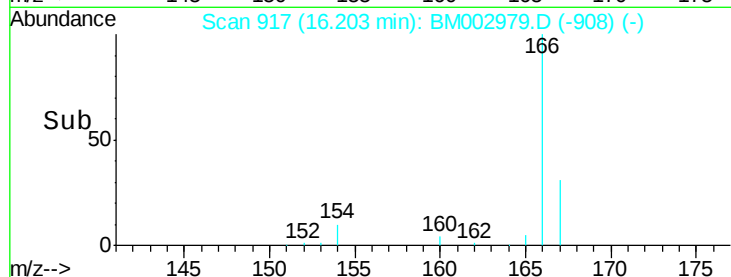
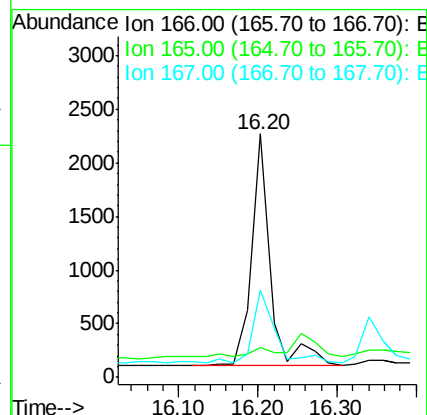
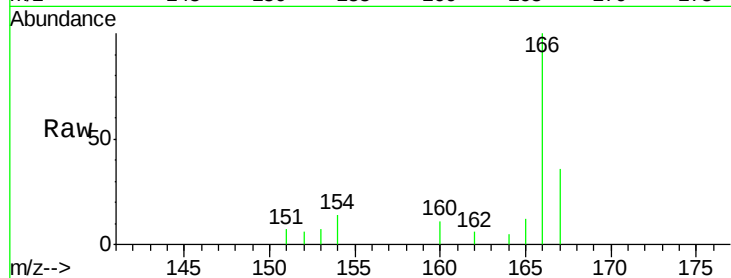
Tot Ion:166 Resp: 3607

Ion Ratio Lower Upper

166 100

165 12.4 87.6 131.4#

167 35.7 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 17.63 min Scan# 1004

Delta R.T. 0.01 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

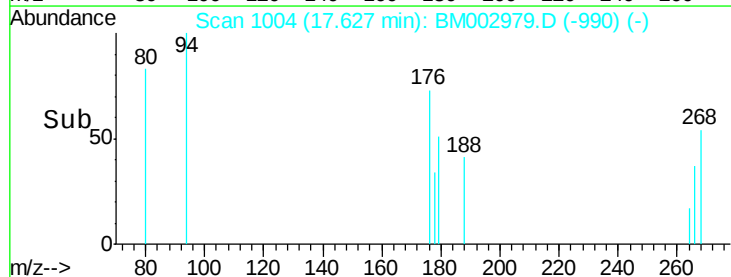
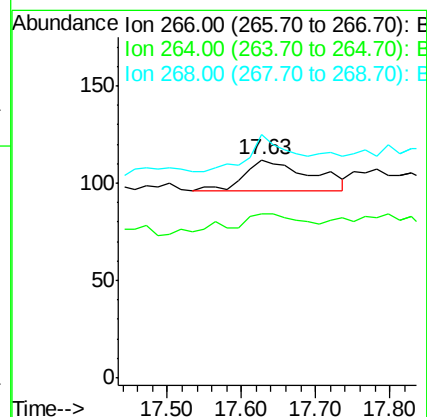
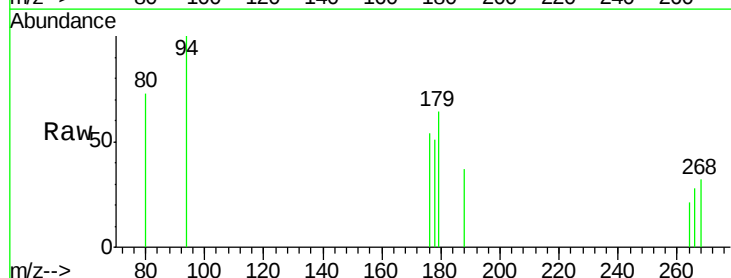
Tgt Ion:266 Resp: 97

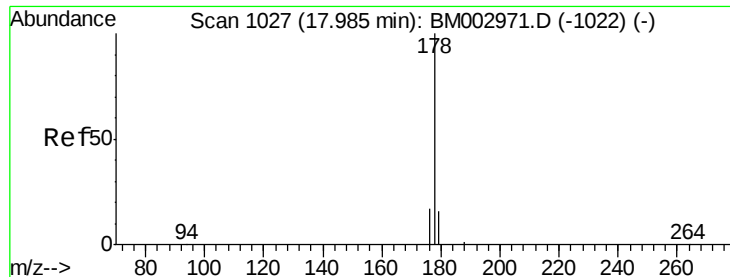
Ion Ratio Lower Upper

266 100

264 55.7 53.5 80.3

268 108.2 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: BM002979.D

Acq: 22 Oct 2015 16:22

Instrument :

BNA_M

ClientSampleId :

JG9L3

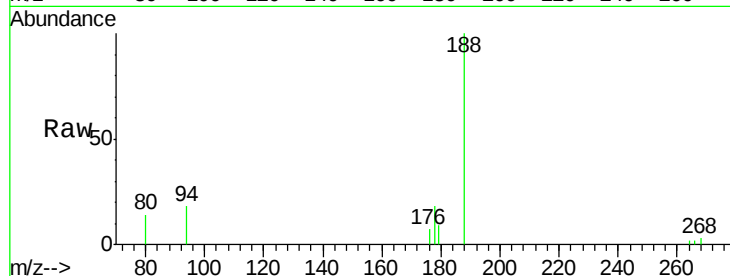
Tot Ion:178 Resp: 1883

Ion Ratio Lower Upper

178 100

176 39.1 16.2 24.4#

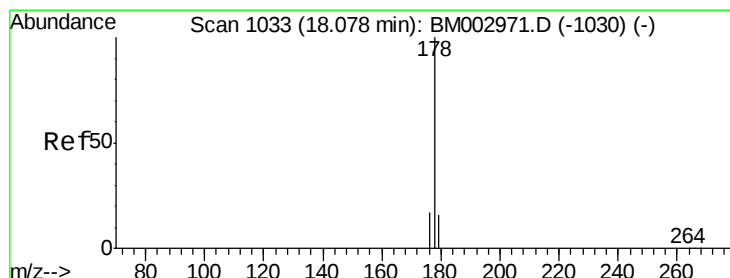
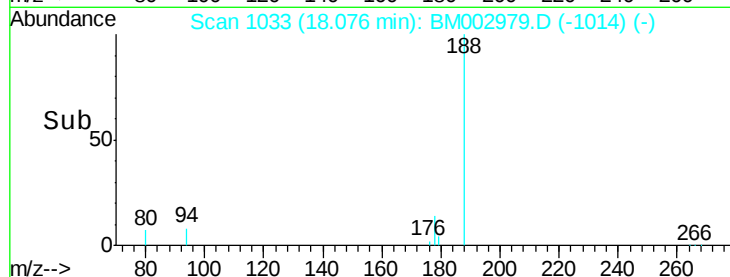
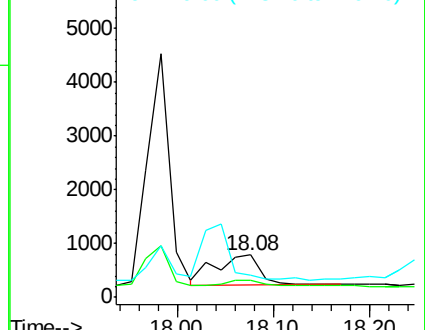
179 52.1 12.8 19.2#



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: BM002979.D

Acq: 22 Oct 2015 16:22

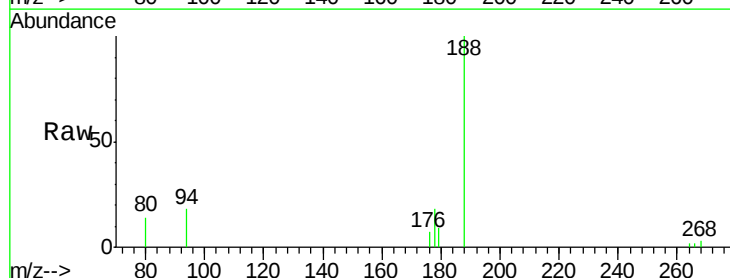
Tgt Ion:178 Resp: 1804

Ion Ratio Lower Upper

178 100

176 39.1 15.8 23.8#

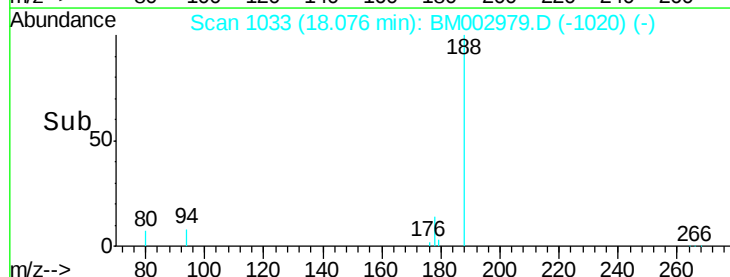
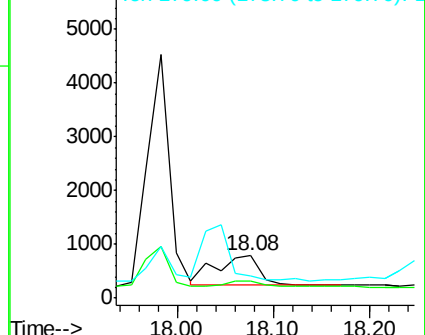
179 52.1 13.3 19.9#

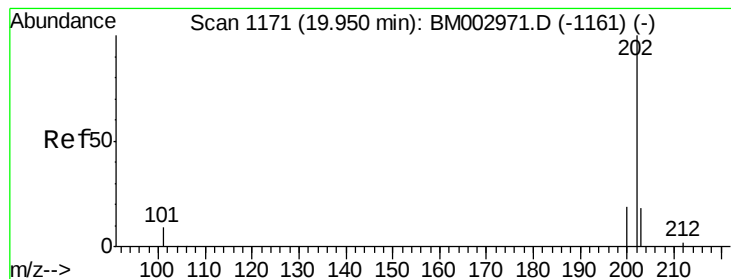


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.95 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

Instrument :

BNA_M

ClientSampleId :

JG9L3

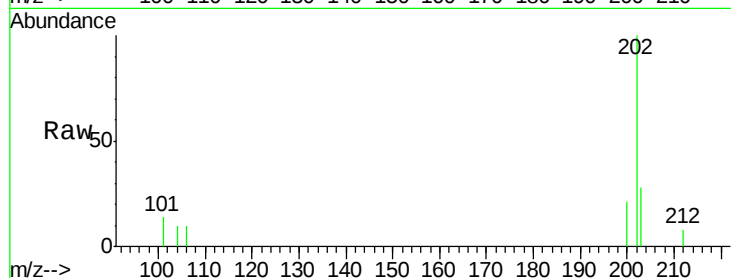
Tot Ion:202 Resp: 9688

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.1

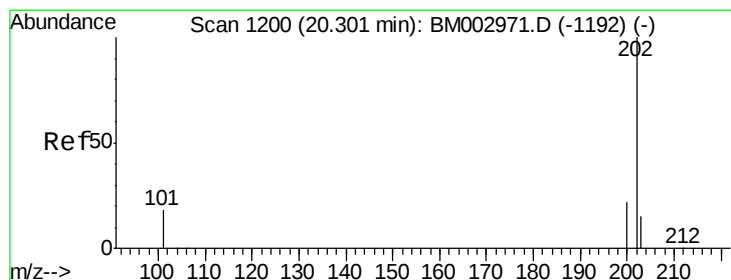
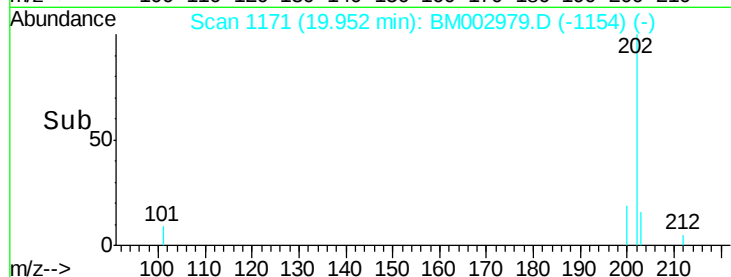
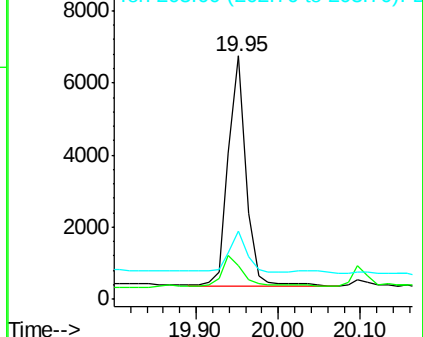
203 28.0 0.0 37.2



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: 20.30 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

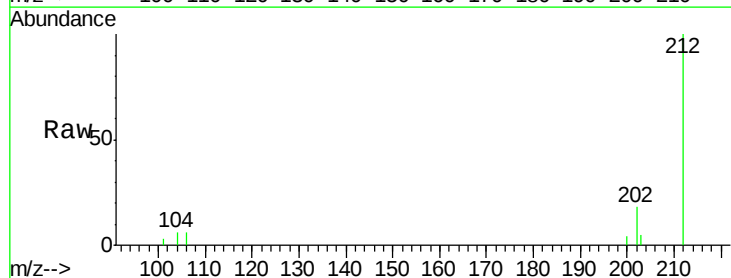
Tgt Ion:202 Resp: 11115

Ion Ratio Lower Upper

202 100

200 23.2 18.0 27.0

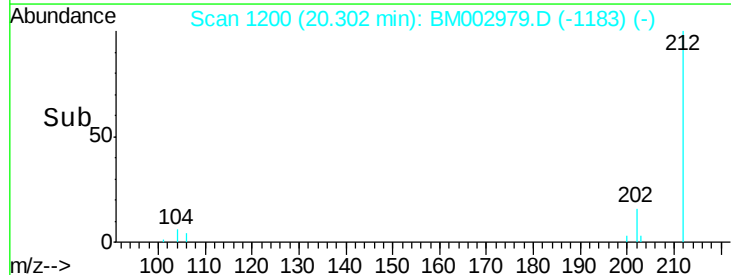
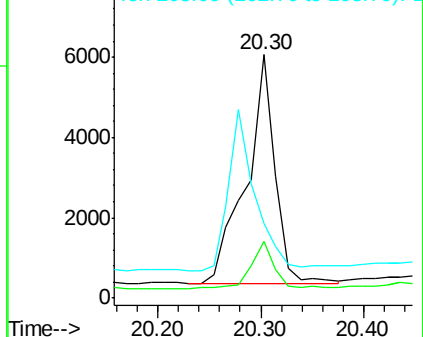
203 30.5 13.8 20.6#

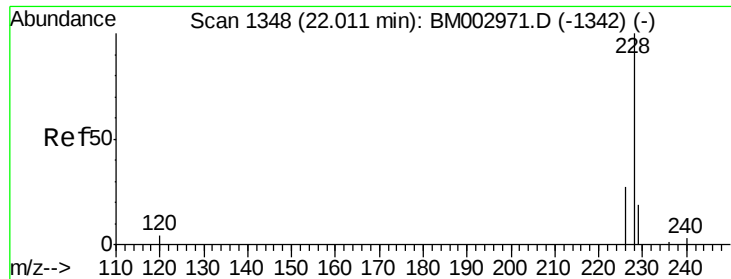


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 22.01 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

Instrument :

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ClientSampleId :

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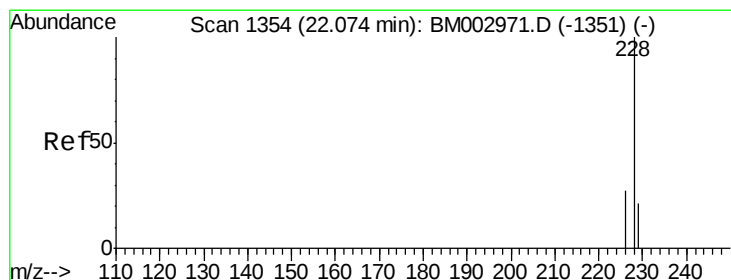
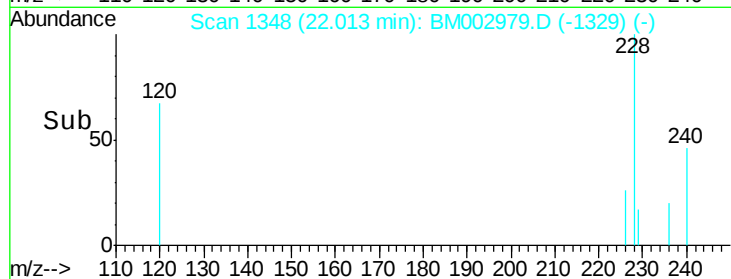
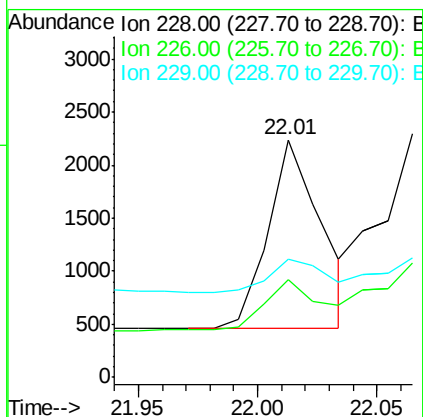
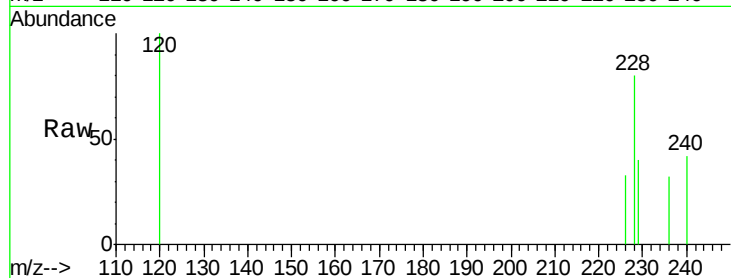
Tot Ion:228 Resp: 2771

Ion Ratio Lower Upper

228 100

226 41.0 23.0 34.4#

229 49.7 15.2 22.8#



#21

Chrysene

Concen: 0.04 ng/ul

RT: 22.08 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

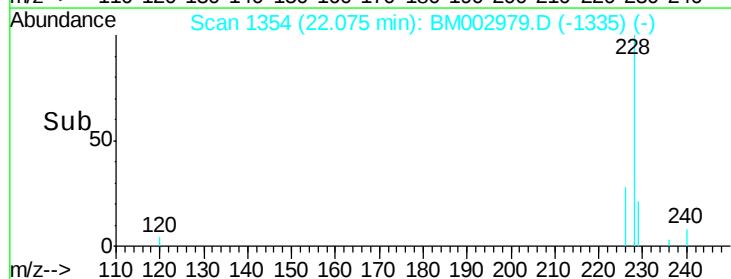
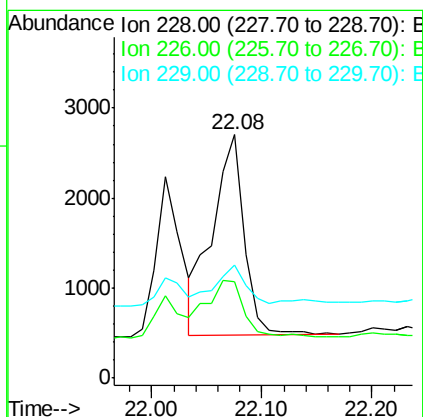
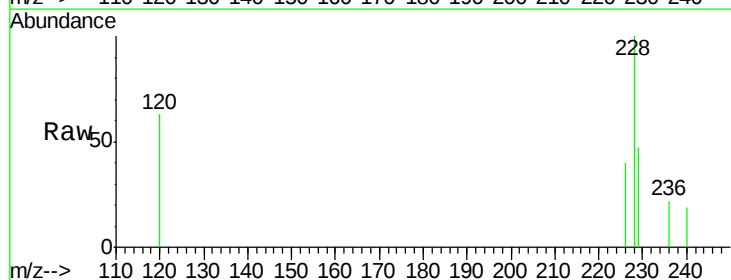
Tgt Ion:228 Resp: 4483

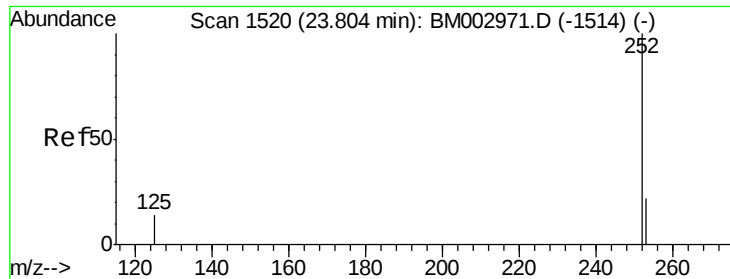
Ion Ratio Lower Upper

228 100

226 39.7 25.7 38.5#

229 46.6 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.07 ng/ul

RT: 23.81 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

Instrument :

BNA_M

ClientSampleId :

JG9L3

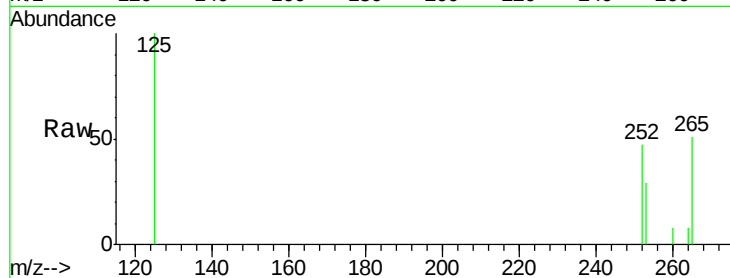
Tot Ion:252 Resp: 6069

Ion Ratio Lower Upper

252 100

253 61.8 0.0 48.0#

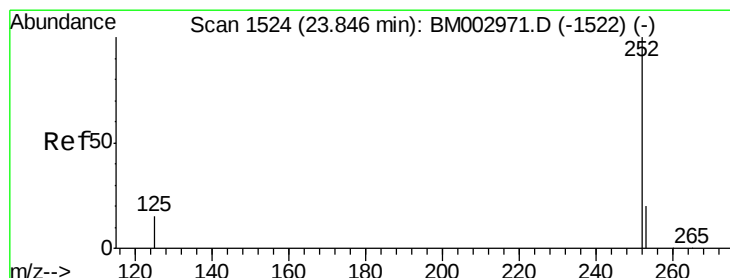
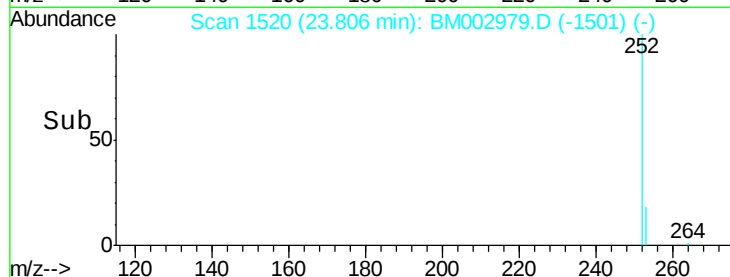
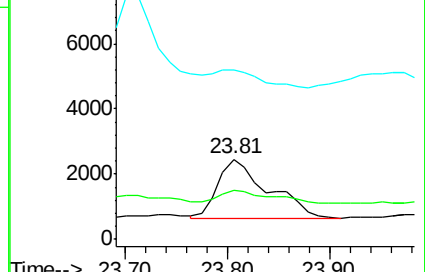
125 210.9 0.0 36.6#



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: 0.07 ng/ul

RT: 23.81 min Scan# 1520

Delta R.T. -0.04 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

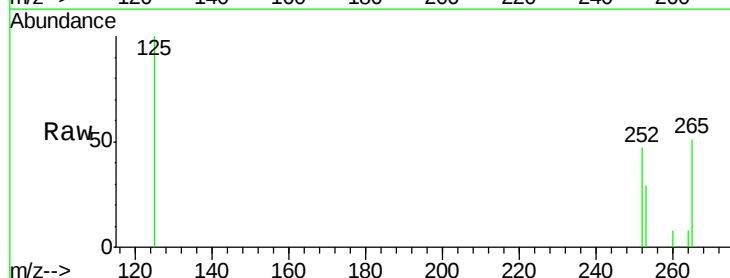
Tgt Ion:252 Resp: 6069

Ion Ratio Lower Upper

252 100

253 61.8 20.8 31.2#

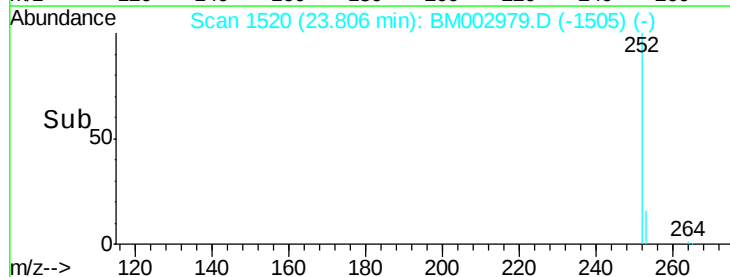
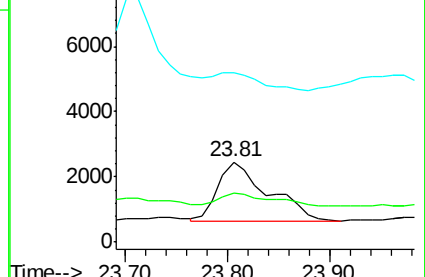
125 210.9 12.2 18.4#

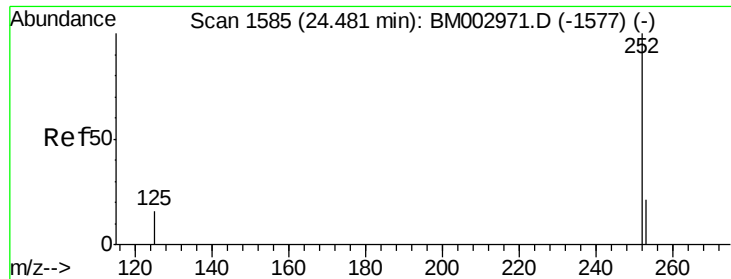


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 24.47 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

Instrument :

BNA_M

ClientSampleId :

JG9L3

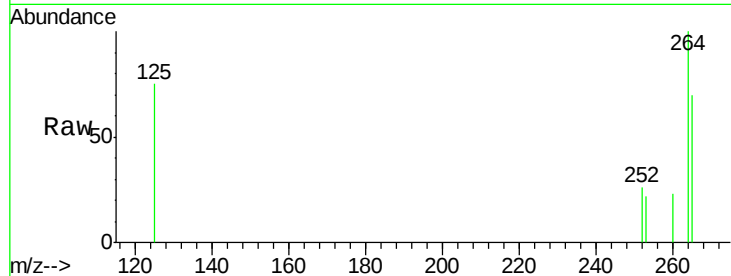
Tot Ion:252 Resp: 1697

Ion Ratio Lower Upper

252 100

253 86.9 21.8 32.8#

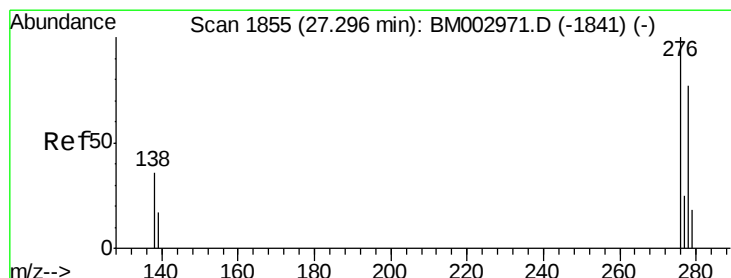
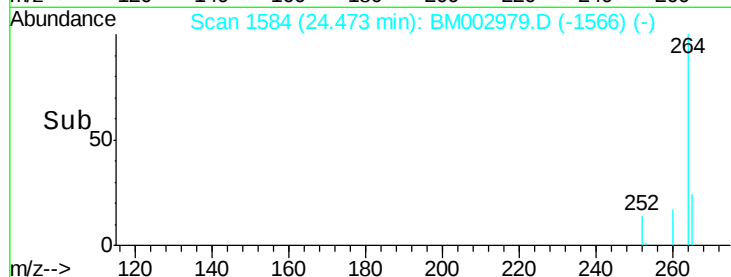
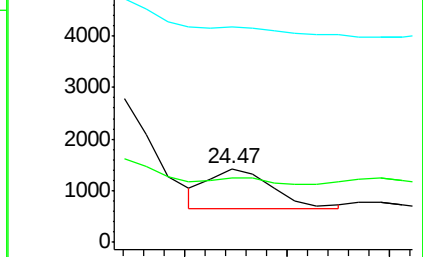
125 293.5 14.5 21.7#



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: 0.02 ng/ul

RT: 27.31 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

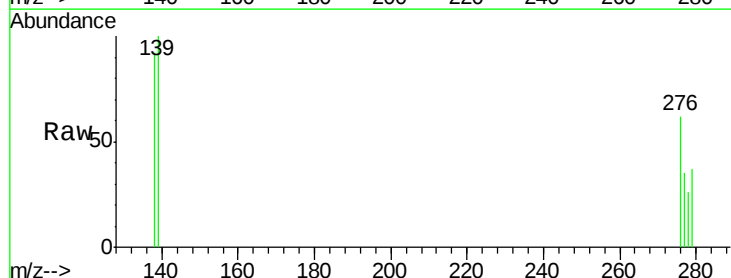
Tgt Ion:276 Resp: 2028

Ion Ratio Lower Upper

276 100

138 69.7 27.5 41.3#

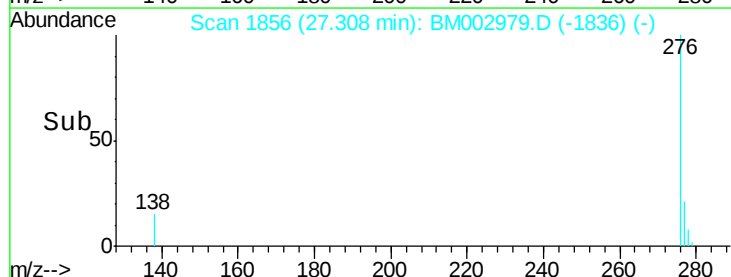
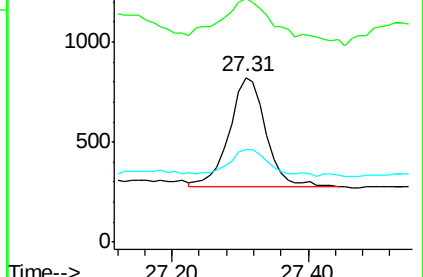
277 29.6 19.3 28.9#

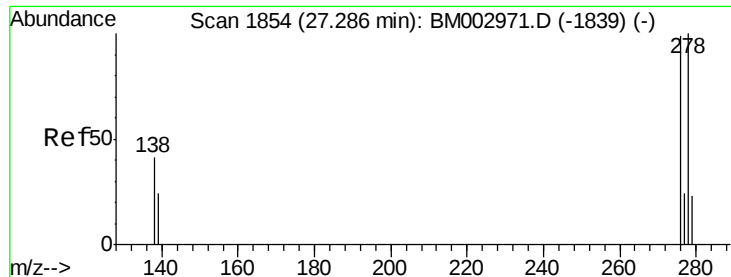


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 27.29 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

Instrument :

BNA_M

ClientSampleId :

JG9L3

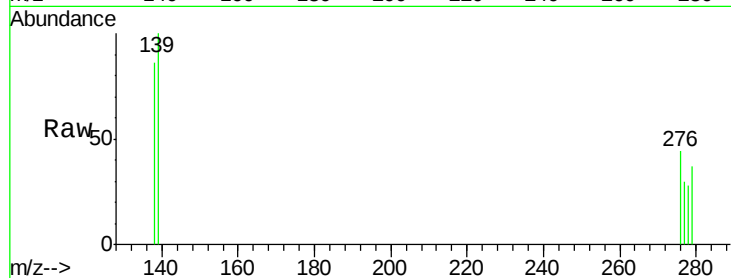
Tot Ion:278 Resp: 609

Ion Ratio Lower Upper

278 100

139 360.1 21.7 32.5#

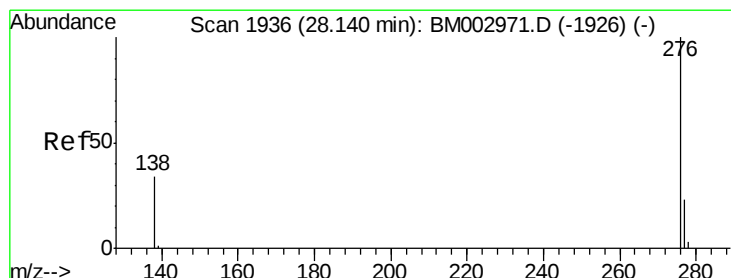
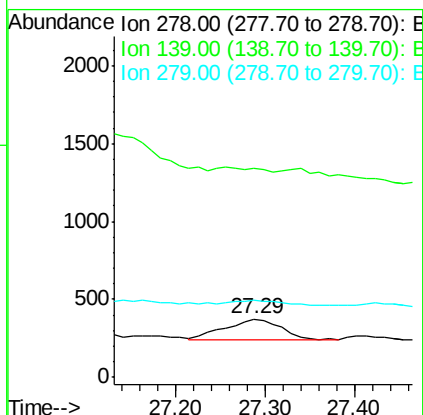
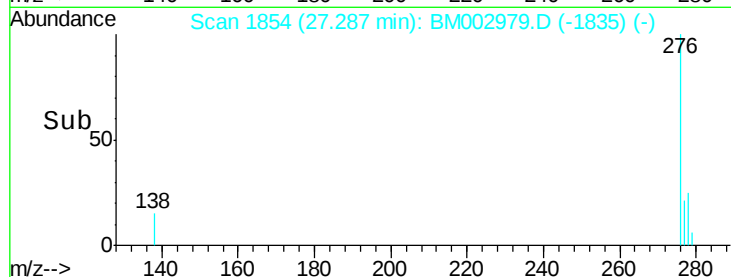
279 133.0 21.9 32.9#



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: 0.04 ng/ul

RT: 28.16 min Scan# 1938

Delta R.T. 0.02 min

Lab File: BM002979.D

Acq: 22 Oct 2015 16:22

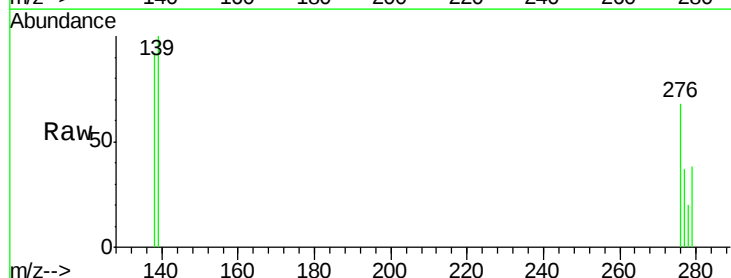
Tgt Ion:276 Resp: 2697

Ion Ratio Lower Upper

276 100

277 53.8 21.3 31.9#

138 134.9 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

