

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002978.D
 Acq On : 22 Oct 2015 15:45
 Operator : UM/IZ
 Sample : G4074-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9J4

Quant Time: Oct 23 01:04:04 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

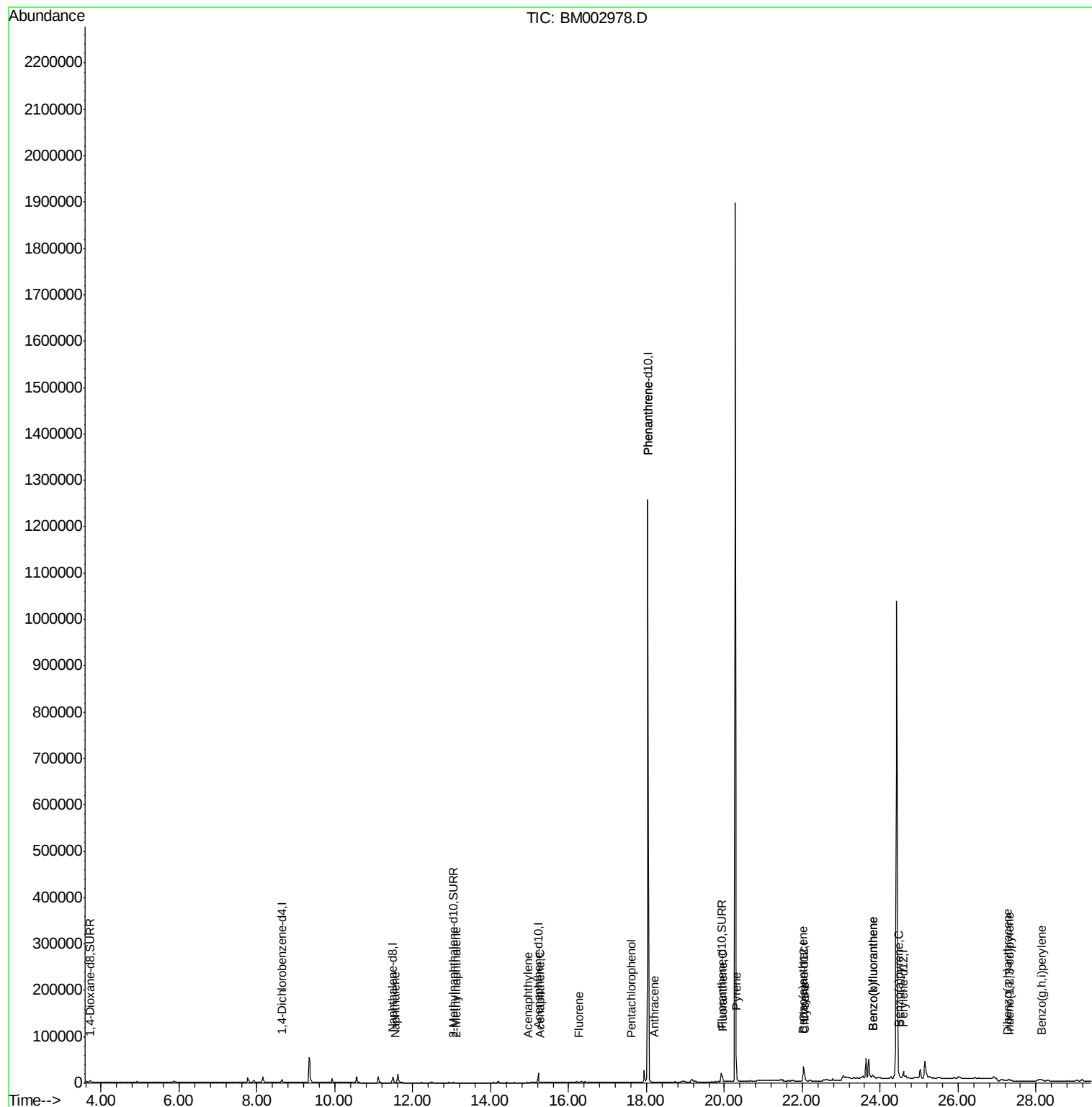
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	5025	0.40	ng/ul	0.00
4) Naphthalene-d8	11.48	136	22205	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	12437	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1518493	0.40	ng/ul	0.09
18) Chrysene-d12	22.03	240	29237	0.40	ng/ul	0.00
22) Perylene-d12	24.60	264	25216	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	3584	0.67	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	3319	0.09	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	24657	0.01	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.54	128	216	0.00	ng/ul#	1
7) 2-Methylnaphthalene	13.11	142	127	0.00	ng/ul#	1
9) Acenaphthylene	14.96	152	433	0.01	ng/ul#	34
10) Acenaphthene	15.28	153	283	0.01	ng/ul#	65
11) Fluorene	16.27	166	945	0.02	ng/ul#	77
13) Pentachlorophenol	17.61	266	636	0.01	ng/ul	97
14) Phenanthrene	18.03	178	1172	0.00	ng/ul#	1
15) Anthracene	18.20	178	82	0.00	ng/ul#	1
17) Fluoranthene	19.95	202	12455	0.00	ng/ul	89
19) Pyrene	20.30	202	16857	0.16	ng/ul#	90
20) Benzo(a)anthracene	22.01	228	5130	0.05	ng/ul#	72
21) Chrysene	22.07	228	7428	0.08	ng/ul#	75
23) Benzo(b)fluoranthene	23.80	252	12523	0.14	ng/ul#	1
24) Benzo(k)fluoranthene	23.80	252	12523	0.14	ng/ul#	1
25) Benzo(a)pyrene	24.47	252	5049	0.06	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.31	276	4474	0.05	ng/ul#	64
27) Dibenzo(a,h)anthracene	27.28	278	1169	0.02	ng/ul#	1
28) Benzo(a,h,i)perylene	28.15	276	6596	0.09	ng/ul#	1

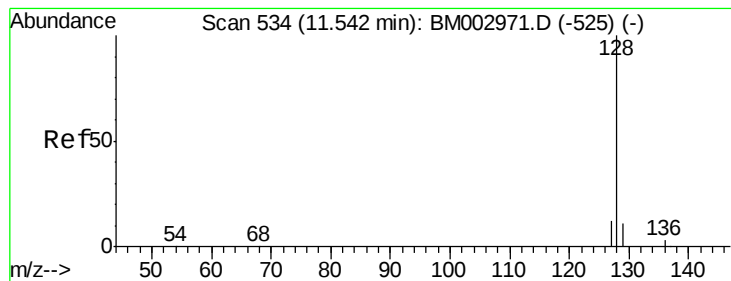
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. 0.00 min

Lab File: BM002978.D

Acq: 22 Oct 2015 15:45

Instrument :

BNA_M

ClientSampleId :

JG9J4

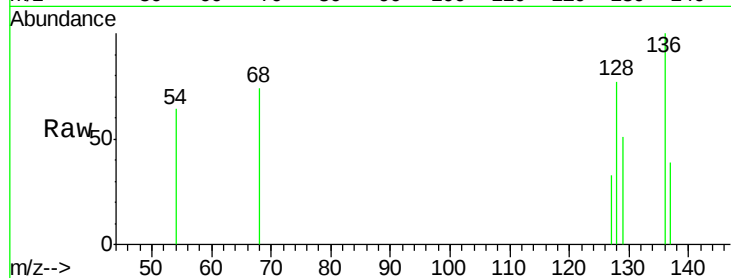
Tot Ion:128 Resp: 216

Ion Ratio Lower Upper

128 100

129 66.2 9.8 14.8#

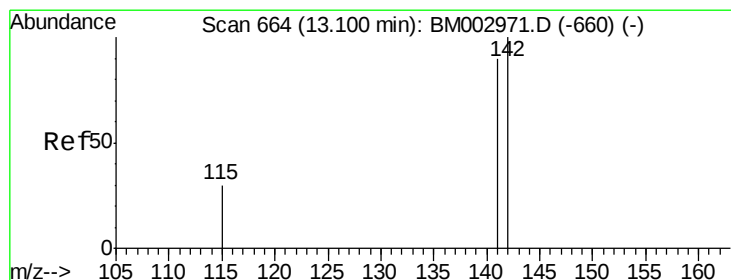
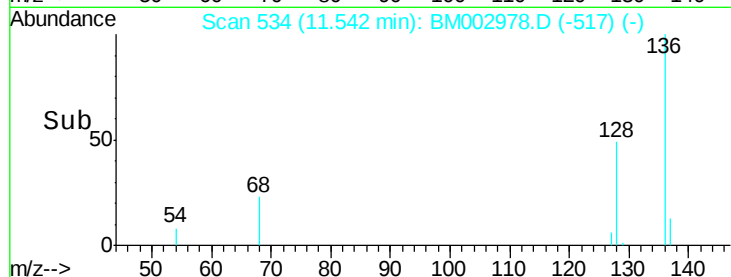
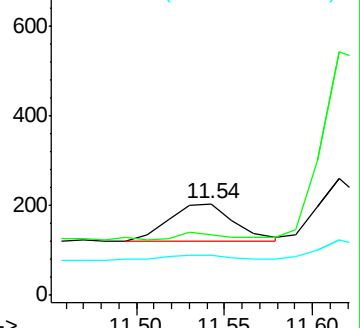
127 43.6 10.7 16.1#



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: 0.00 ng/ul

RT: 13.11 min Scan# 665

Delta R.T. 0.01 min

Lab File: BM002978.D

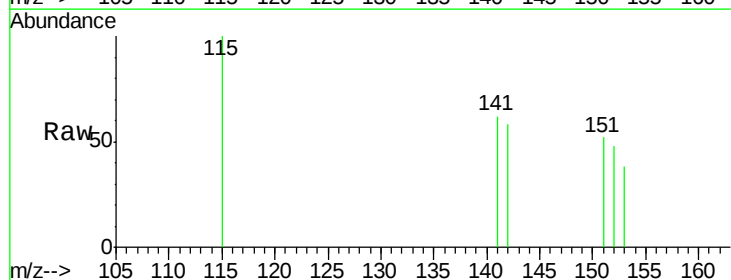
Acq: 22 Oct 2015 15:45

Tgt Ion:142 Resp: 127

Ion Ratio Lower Upper

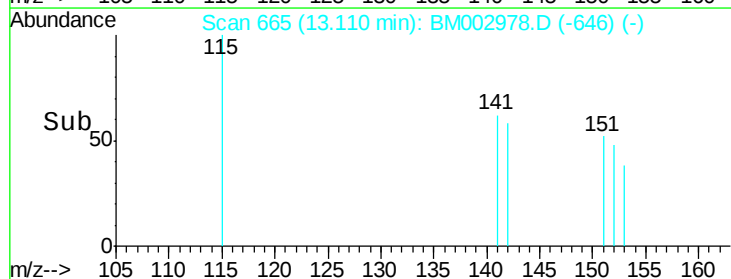
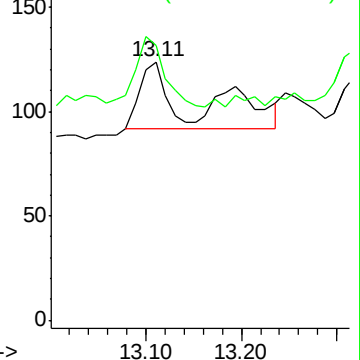
142 100

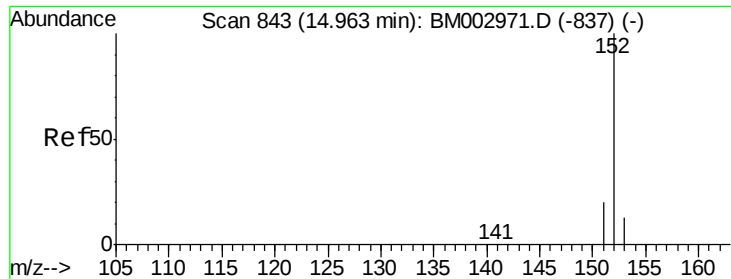
141 315.0 70.3 105.5#



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: BM002978.D

Acq: 22 Oct 2015 15:45

Instrument :

BNA_M

ClientSampled :

JG9J4

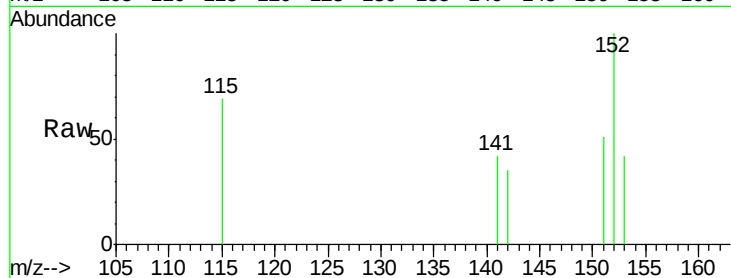
Tot Ion:152 Resp: 433

Ion Ratio Lower Upper

152 100

151 51.4 16.8 25.2#

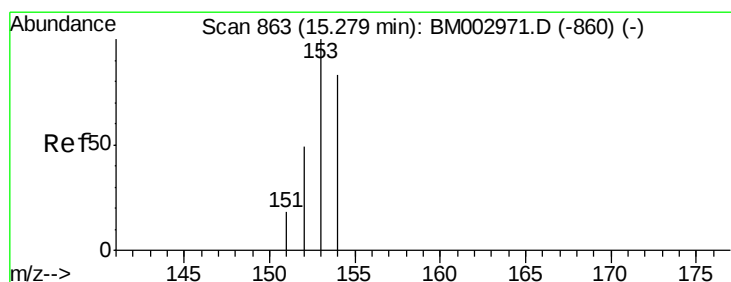
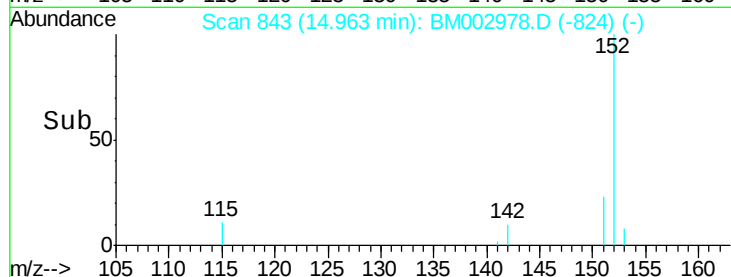
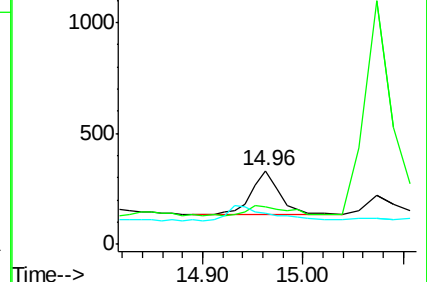
153 41.7 11.3 16.9#



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: 0.01 ng/ul

RT: 15.28 min Scan# 863

Delta R.T. 0.00 min

Lab File: BM002978.D

Acq: 22 Oct 2015 15:45

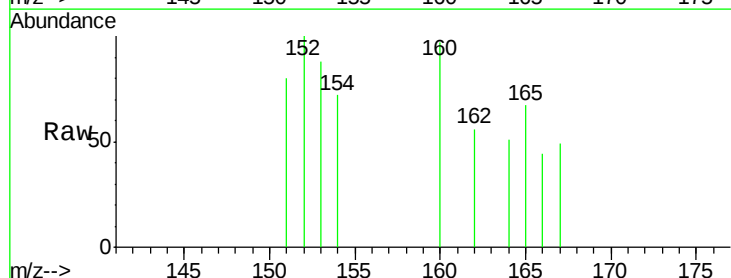
Tgt Ion:153 Resp: 283

Ion Ratio Lower Upper

153 100

152 113.8 42.3 63.5#

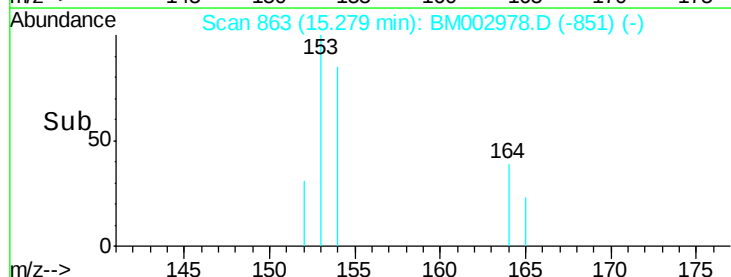
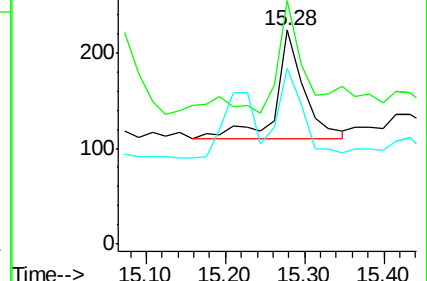
154 82.1 64.7 97.1

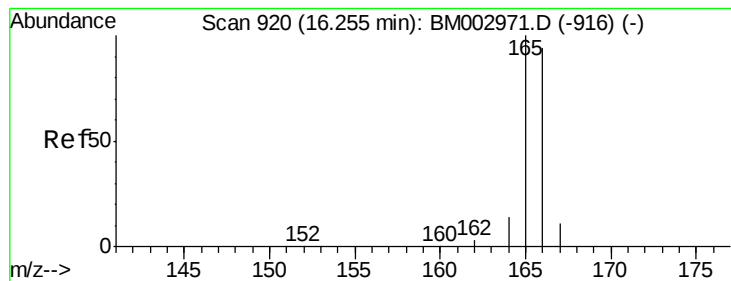


Abundance Ion 153.00 (152.70 to 153.70): E

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: BM002978.D

Acq: 22 Oct 2015 15:45

Instrument :

BNA_M

ClientSampleId :

JG9J4

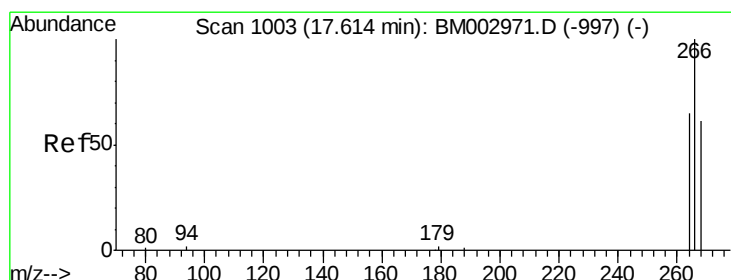
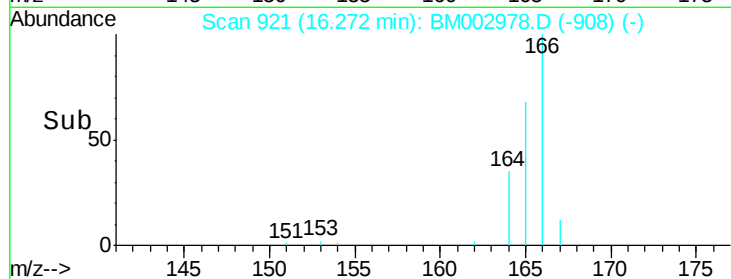
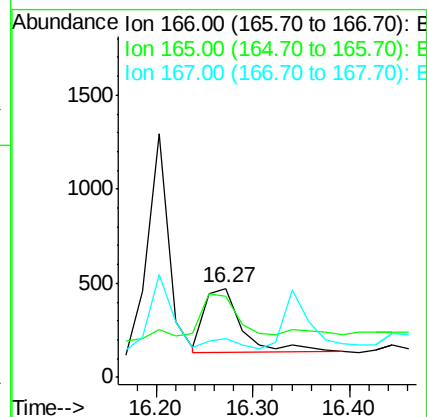
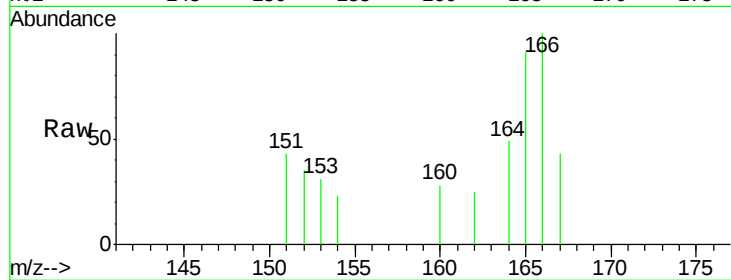
Tot Ion:166 Resp: 945

Ion Ratio Lower Upper

166 100

165 91.4 87.6 131.4

167 42.9 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 17.61 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BM002978.D

Acq: 22 Oct 2015 15:45

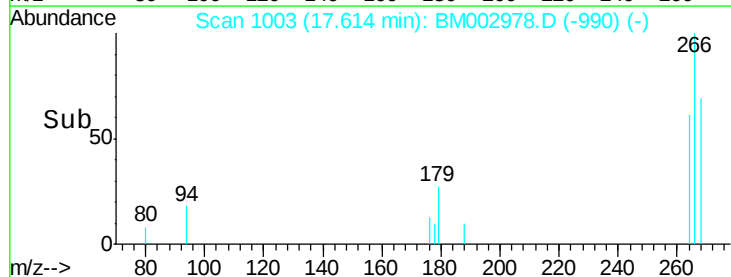
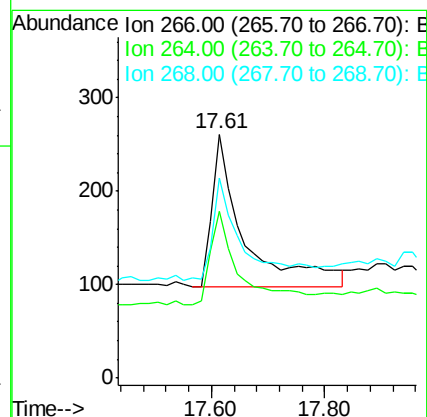
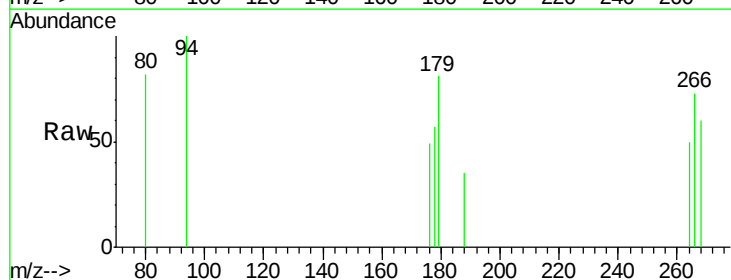
Tgt Ion:266 Resp: 636

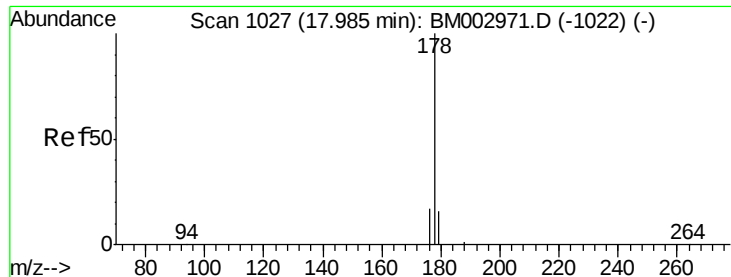
Ion Ratio Lower Upper

266 100

264 65.4 53.5 80.3

268 64.9 54.2 81.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 18.03 min Scan# 1030

Delta R.T. 0.05 min

Lab File: BM002978.D

Acq: 22 Oct 2015 15:45

Instrument :

BNA_M

ClientSampleId :

JG9J4

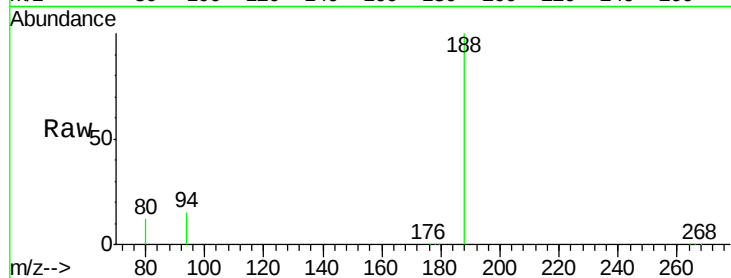
Tot Ion:178 Resp: 1172

Ion Ratio Lower Upper

178 100

176 30.3 16.2 24.4#

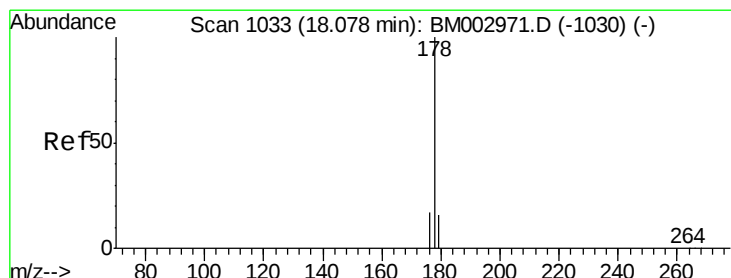
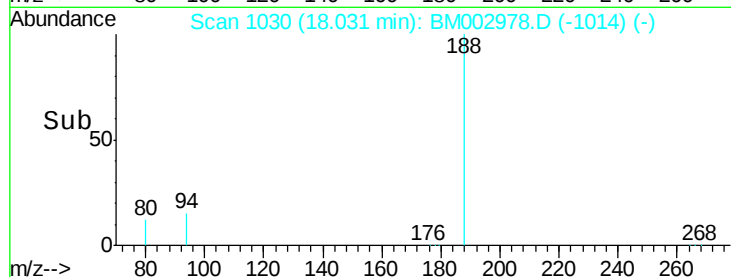
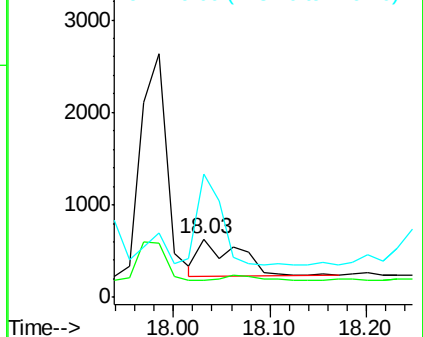
179 211.6 12.8 19.2#



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: 18.20 min Scan# 1041

Delta R.T. 0.12 min

Lab File: BM002978.D

Acq: 22 Oct 2015 15:45

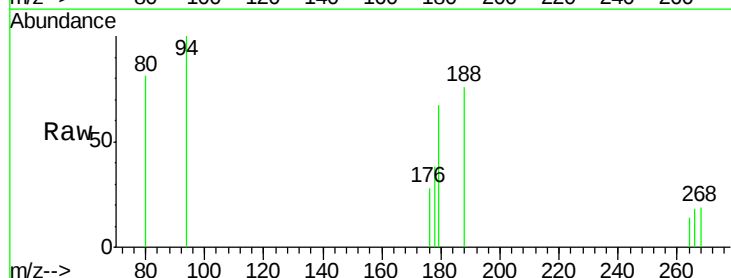
Tgt Ion:178 Resp: 82

Ion Ratio Lower Upper

178 100

176 72.9 15.8 23.8#

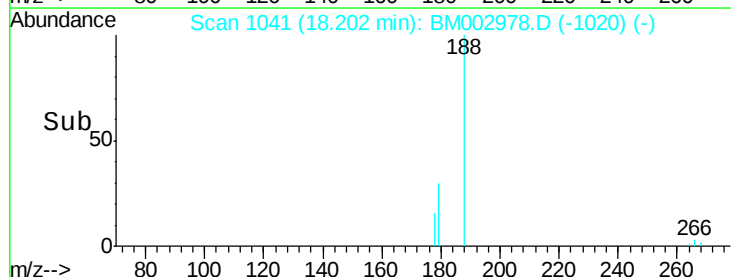
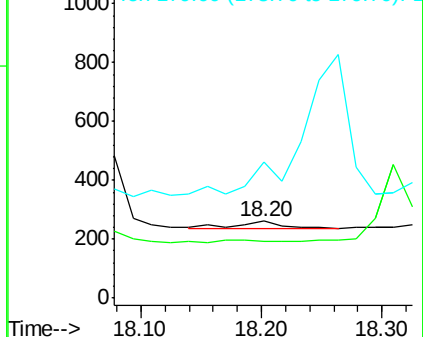
179 176.0 13.3 19.9#

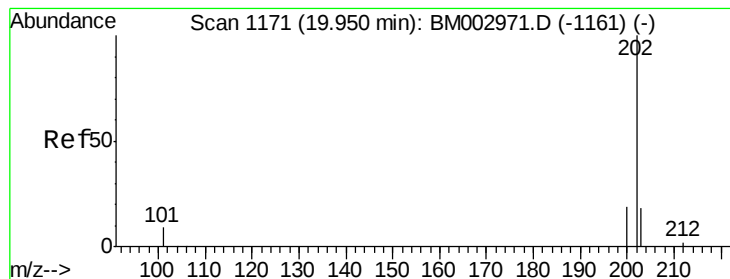


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM002978.D

Acq: 22 Oct 2015 15:45

Instrument :

BNA_M

ClientSampleId :

JG9J4

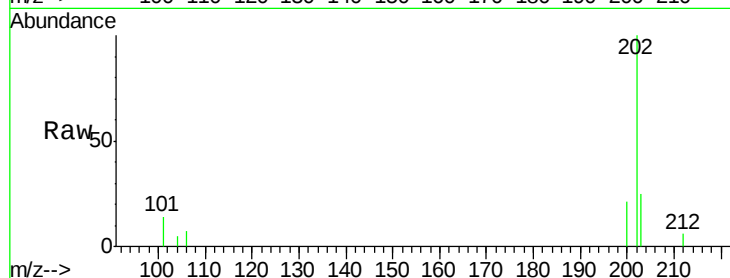
Tot Ion:202 Resp: 12455

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.1

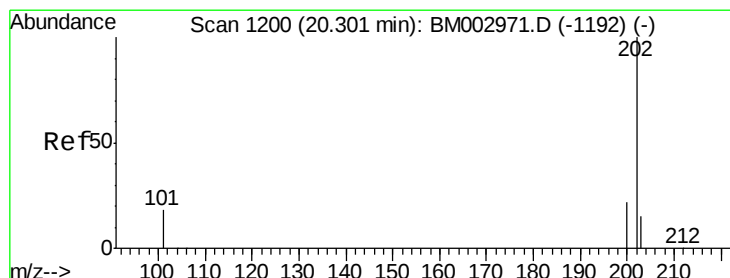
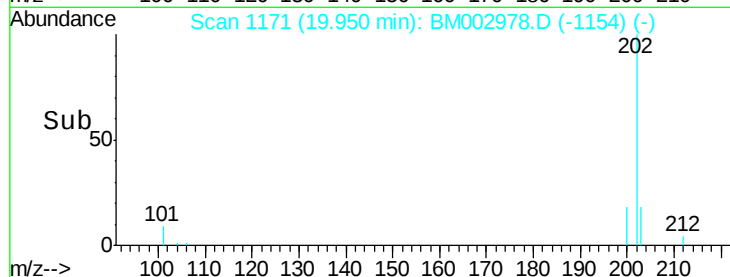
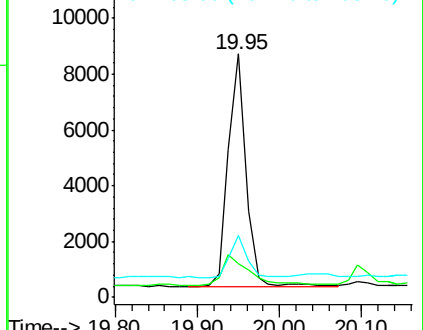
203 25.3 0.0 37.2



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: 0.16 ng/ul

RT: 20.30 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BM002978.D

Acq: 22 Oct 2015 15:45

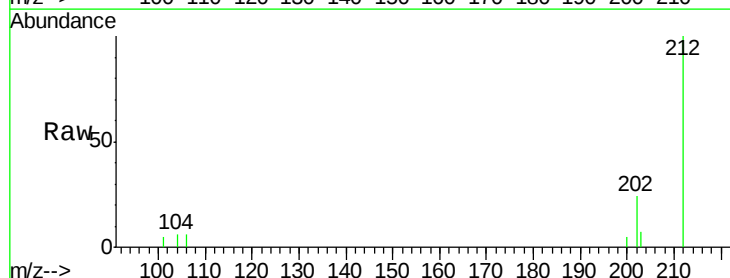
Tgt Ion:202 Resp: 16857

Ion Ratio Lower Upper

202 100

200 22.6 18.0 27.0

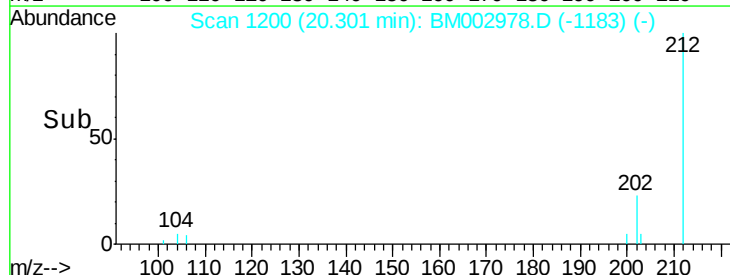
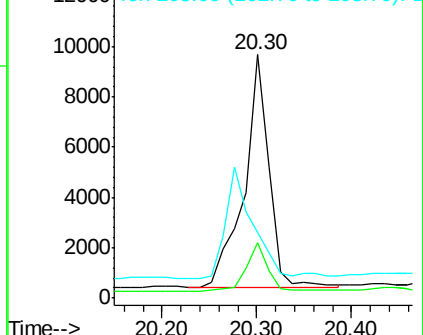
203 27.2 13.8 20.6#

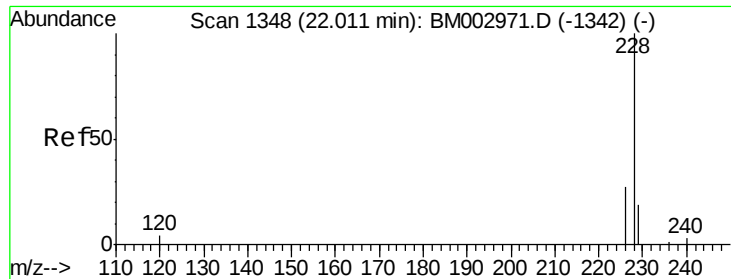


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 22.01 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BM002978.D

Acq: 22 Oct 2015 15:45

Instrument :

BNA_M

ClientSampleId :

JG9J4

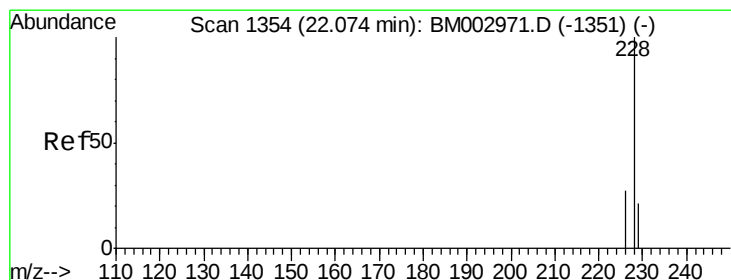
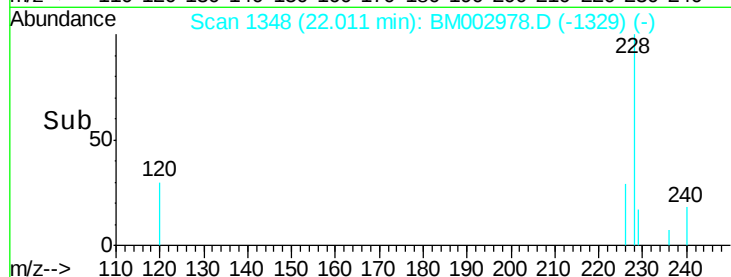
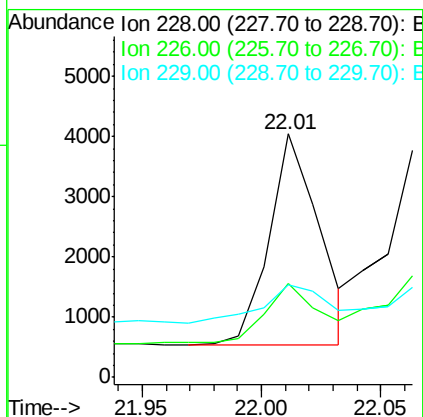
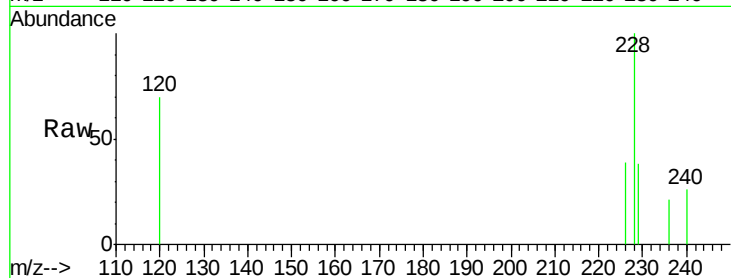
Tot Ion:228 Resp: 5130

Ion Ratio Lower Upper

228 100

226 38.8 23.0 34.4#

229 38.2 15.2 22.8#



#21

Chrysene

Concen: 0.08 ng/ul

RT: 22.07 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BM002978.D

Acq: 22 Oct 2015 15:45

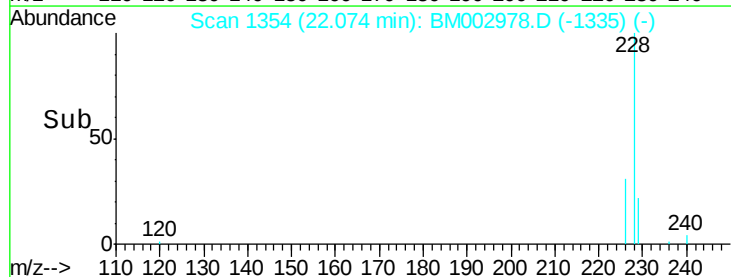
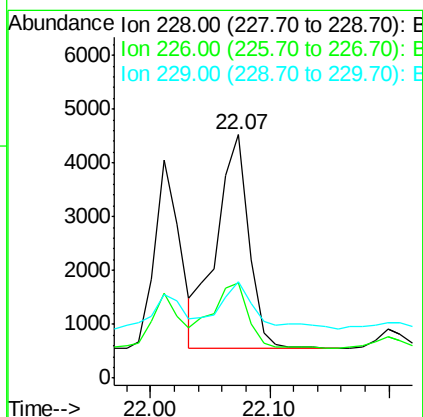
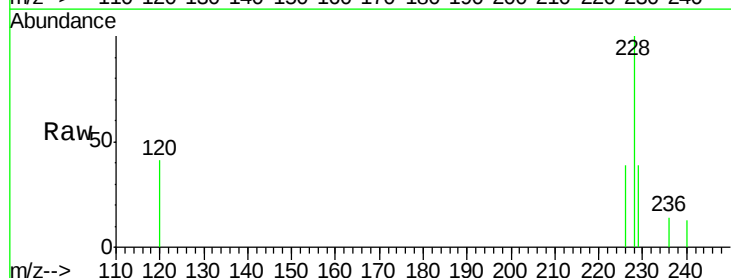
Tgt Ion:228 Resp: 7428

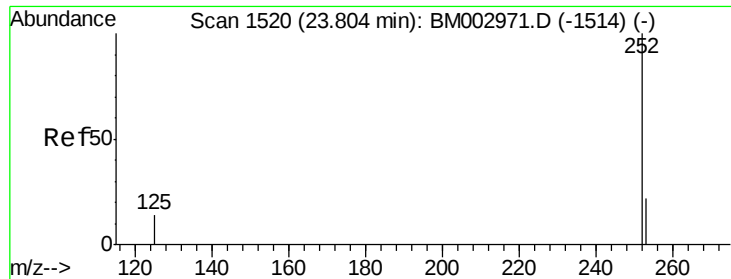
Ion Ratio Lower Upper

228 100

226 39.3 25.7 38.5#

229 39.5 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.14 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BM002978.D

Acq: 22 Oct 2015 15:45

Instrument :

BNA_M

ClientSampleId :

JG9J4

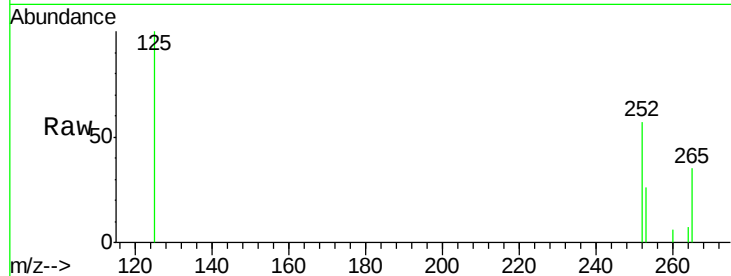
Tot Ion:252 Resp: 12523

Ion Ratio Lower Upper

252 100

253 45.2 0.0 48.0

125 174.5 0.0 36.6#

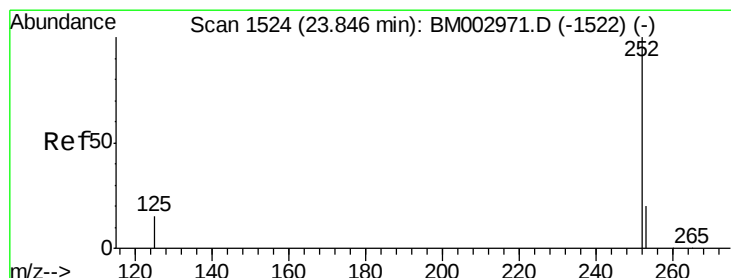
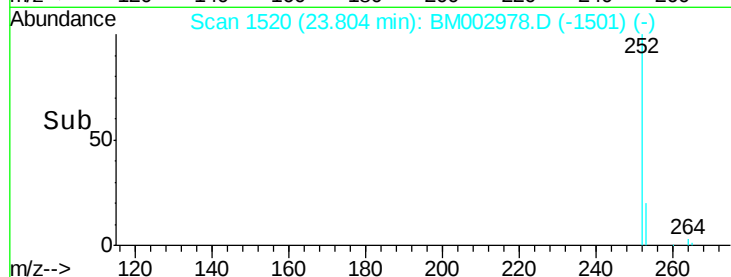
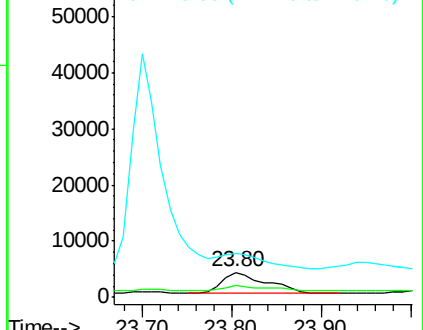


Abundance

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: 0.14 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. -0.04 min

Lab File: BM002978.D

Acq: 22 Oct 2015 15:45

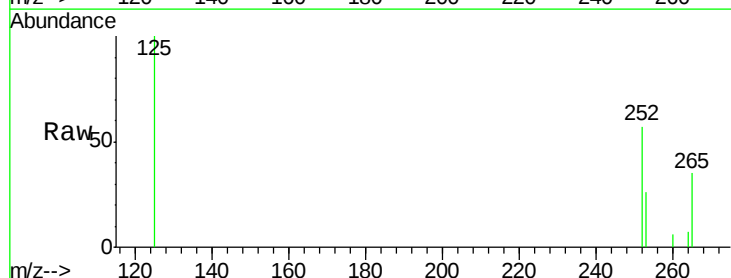
Tgt Ion:252 Resp: 12523

Ion Ratio Lower Upper

252 100

253 45.2 20.8 31.2#

125 174.5 12.2 18.4#

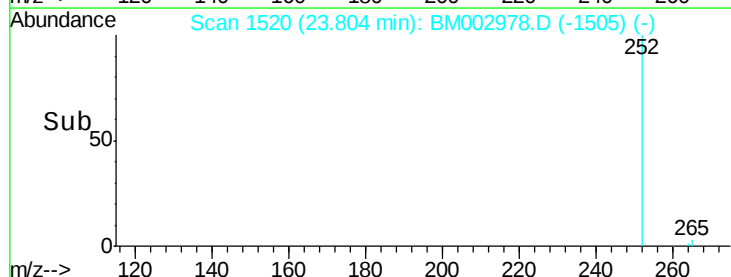
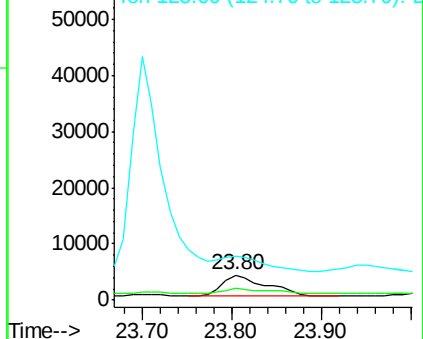


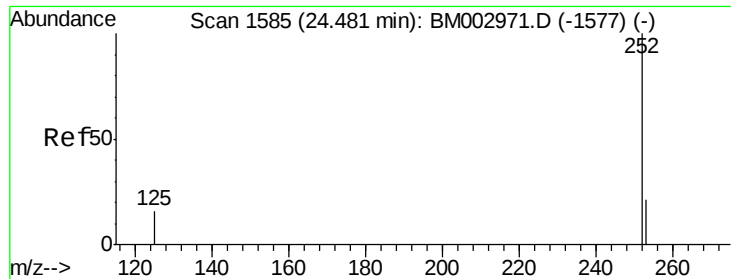
Abundance

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: 0.06 ng/ul

RT: 24.47 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BM002978.D

Acq: 22 Oct 2015 15:45

Instrument :

BNA_M

ClientSampleId :

JG9J4

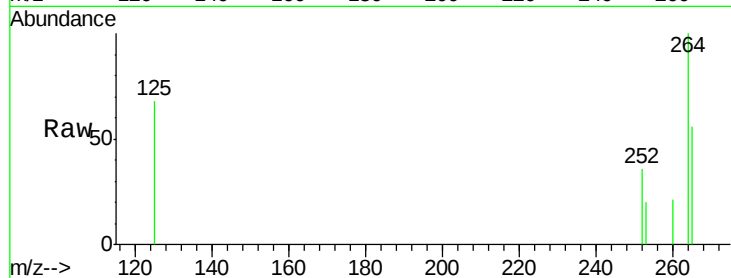
Tot Ion:252 Resp: 5049

Ion Ratio Lower Upper

252 100

253 56.0 21.8 32.8#

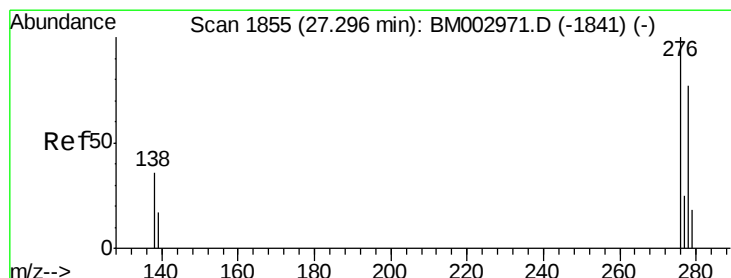
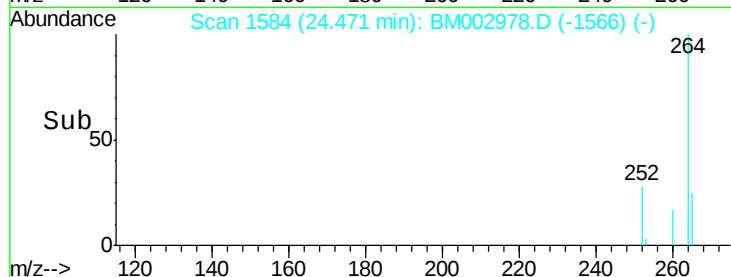
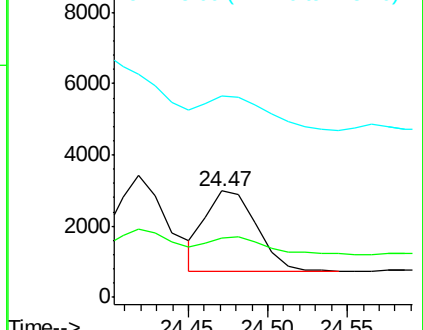
125 189.3 14.5 21.7#



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: 0.05 ng/ul

RT: 27.31 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM002978.D

Acq: 22 Oct 2015 15:45

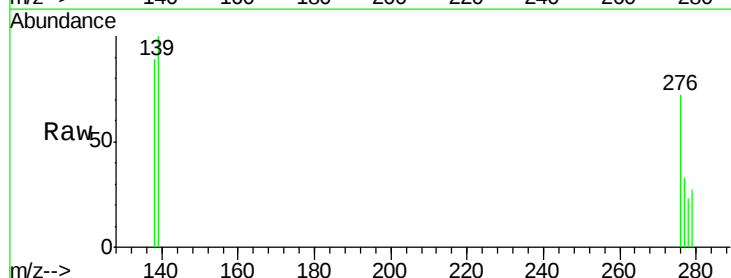
Tgt Ion:276 Resp: 4474

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

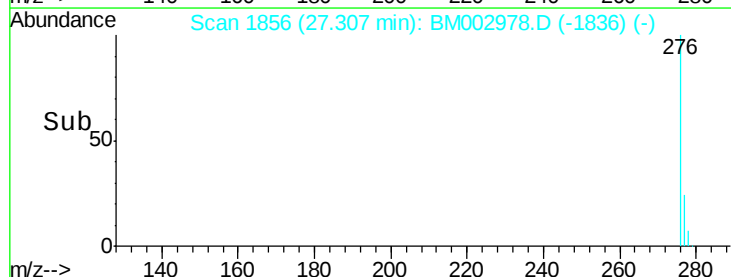
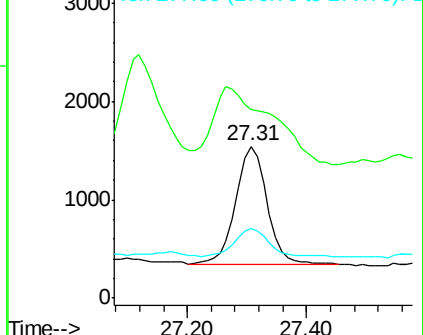
277 25.3 19.3 28.9

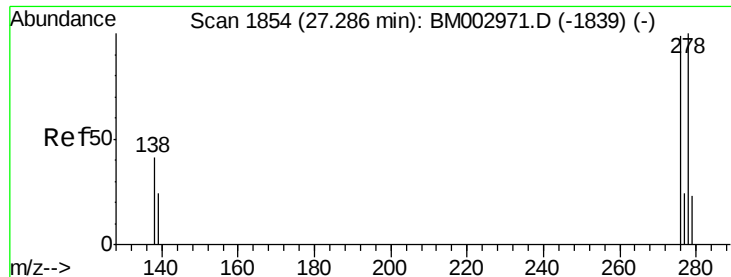


Abundance Ion 276.00 (275.70 to 276.70): E

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: 27.28 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BM002978.D

Acq: 22 Oct 2015 15:45

Instrument :

BNA_M

ClientSampleId :

JG9J4

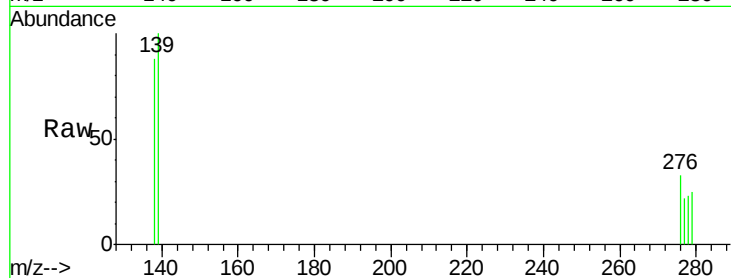
Tot Ion:278 Resp: 1169

Ion Ratio Lower Upper

278 100

139 427.2 21.7 32.5#

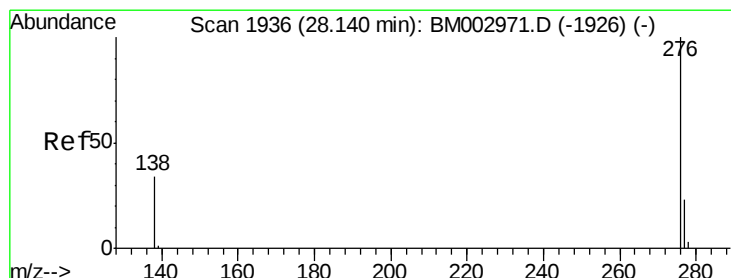
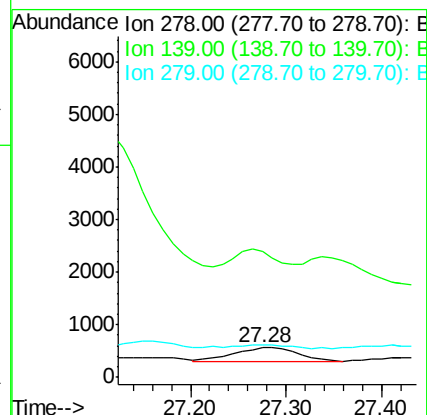
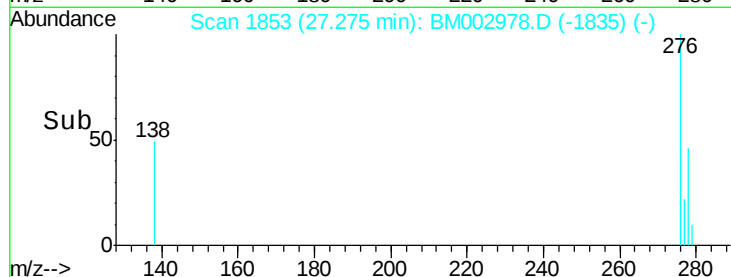
279 108.2 21.9 32.9#



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: 0.09 ng/ul

RT: 28.15 min Scan# 1937

Delta R.T. 0.01 min

Lab File: BM002978.D

Acq: 22 Oct 2015 15:45

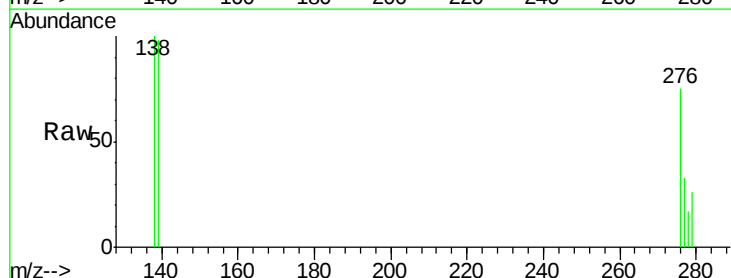
Tgt Ion:276 Resp: 6596

Ion Ratio Lower Upper

276 100

277 44.4 21.3 31.9#

138 133.3 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

