

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002980.D
 Acq On : 22 Oct 2015 16:58
 Operator : UM/IZ
 Sample : G4074-18
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9H7

Quant Time: Oct 23 01:04:24 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 01:01:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	6716	0.40	ng/ul	0.00
4) Naphthalene-d8	11.48	136	28935	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	15475	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1177374	0.40	ng/ul	0.09
18) Chrysene-d12	22.03	240	24137	0.40	ng/ul	0.00
22) Perylene-d12	24.60	264	21062	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.71	96	17261	2.41	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	7580	0.16	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	13953	0.00	ng/ul	0.00

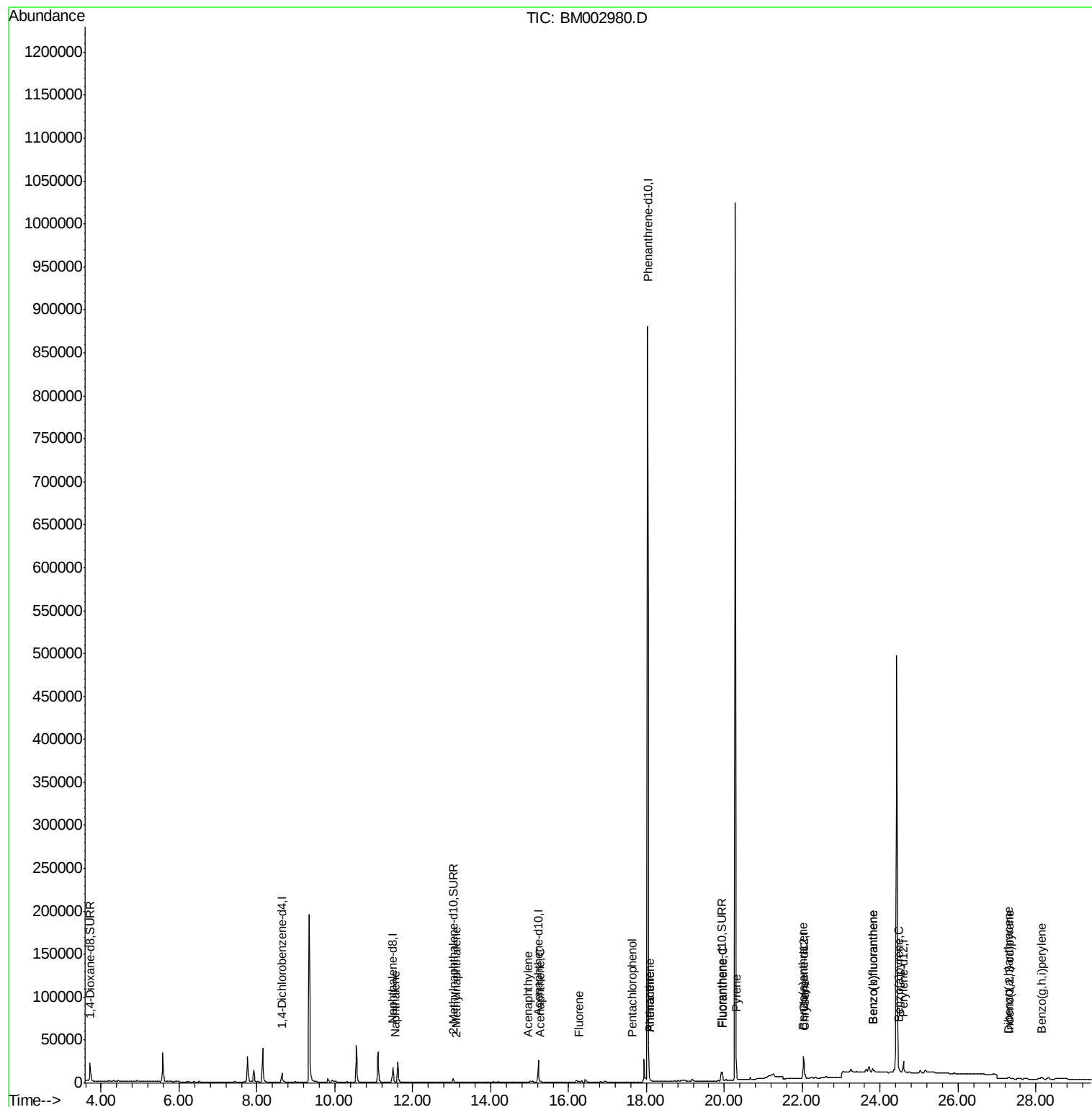
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	11.54	128	665	0.01	ng/ul#	50
7) 2-Methylnaphthalene	13.11	142	721	0.01	ng/ul#	1
9) Acenaphthylene	14.96	152	1038	0.01	ng/ul#	66
10) Acenaphthene	15.28	153	315	0.01	ng/ul#	81
11) Fluorene	16.25	166	647	0.01	ng/ul#	84
13) Pentachlorophenol	17.63	266	123	0.00	ng/ul#	59
14) Phenanthrene	18.08	178	2393	0.00	ng/ul#	66
15) Anthracene	18.08	178	2188	0.00	ng/ul#	66
17) Fluoranthene	19.95	202	10378	0.00	ng/ul	86
19) Pyrene	20.30	202	10283	0.12	ng/ul#	84
20) Benzo(a)anthracene	22.01	228	3852	0.05	ng/ul#	54
21) Chrysene	22.08	228	6329	0.08	ng/ul#	65
23) Benzo(b)fluoranthene	23.81	252	9416	0.13	ng/ul#	1
24) Benzo(k)fluoranthene	23.81	252	9416	0.13	ng/ul#	1
25) Benzo(a)pyrene	24.47	252	2374	0.03	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.31	276	3066	0.04	ng/ul#	63
27) Dibenzo(a,h)anthracene	27.29	278	1312	0.02	ng/ul#	1
28) Benzo(a,h,i)perylene	28.15	276	4314	0.07	ng/ul#	1

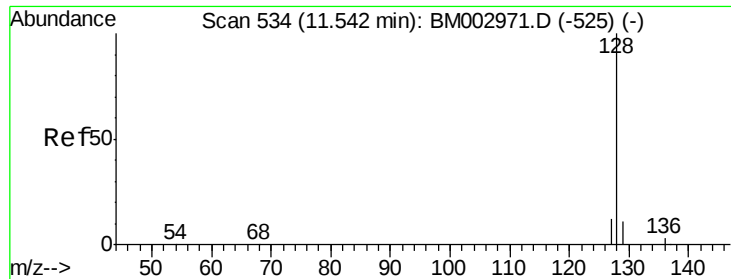
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM002980.D

Acq: 22 Oct 2015 16:58

Instrument :

BNA_M

ClientSampleId :

JG9H7

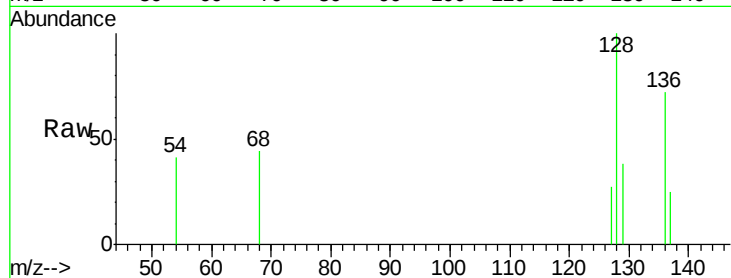
Tot Ion:128 Resp: 665

Ion Ratio Lower Upper

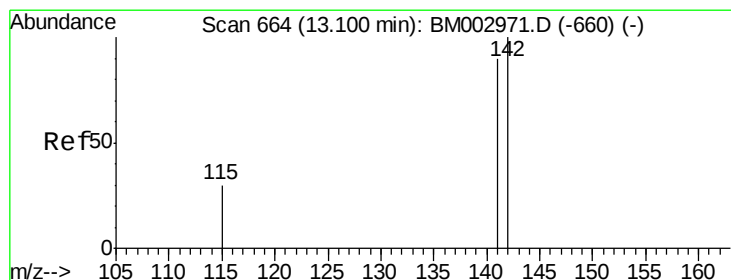
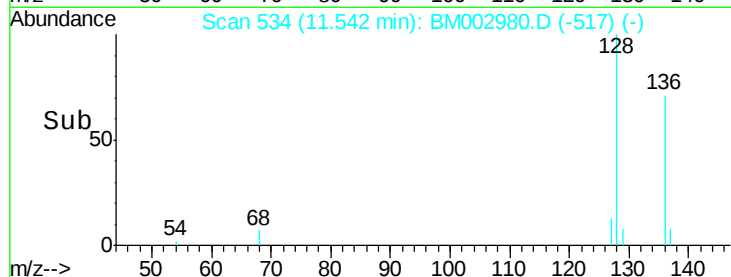
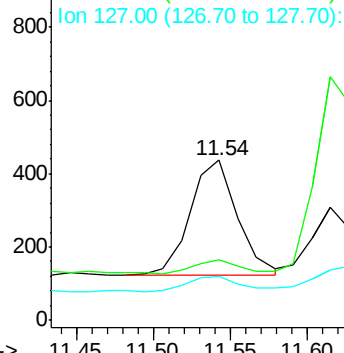
128 100

129 38.1 9.8 14.8#

127 27.3 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: 0.01 ng/ul

RT: 13.11 min Scan# 665

Delta R.T. 0.01 min

Lab File: BM002980.D

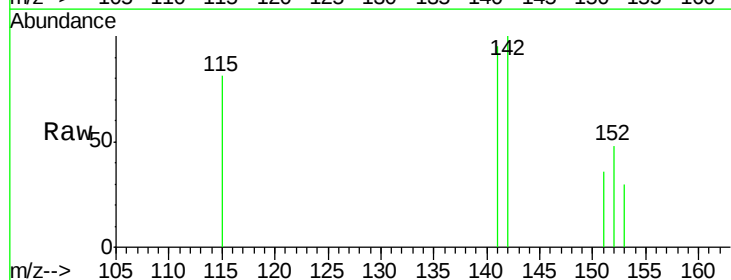
Acq: 22 Oct 2015 16:58

Tgt Ion:142 Resp: 721

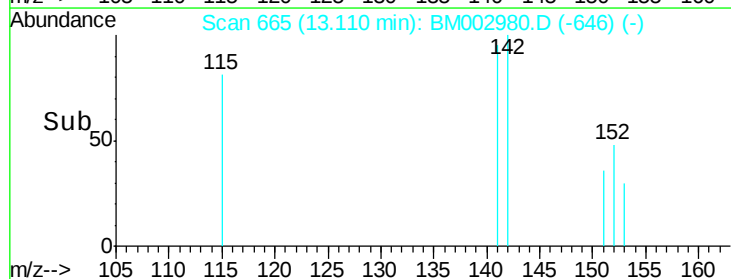
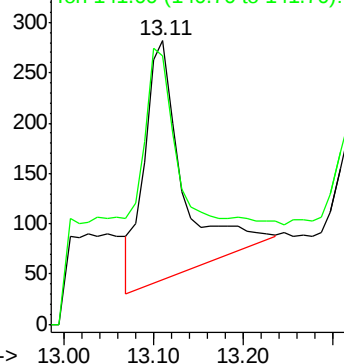
Ion Ratio Lower Upper

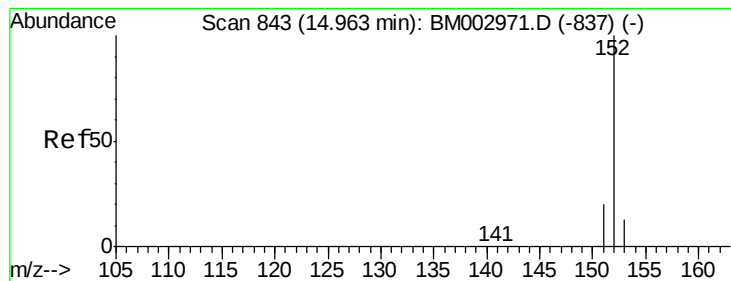
142 100

141 268.7 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: BM002980.D

Acq: 22 Oct 2015 16:58

Instrument :

BNA_M

ClientSampleId :

JG9H7

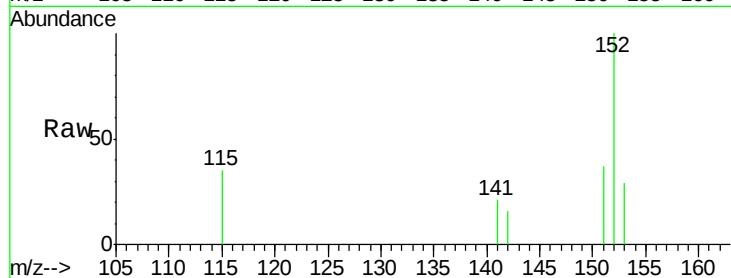
Tot Ion:152 Resp: 1038

Ion Ratio Lower Upper

152 100

151 36.5 16.8 25.2#

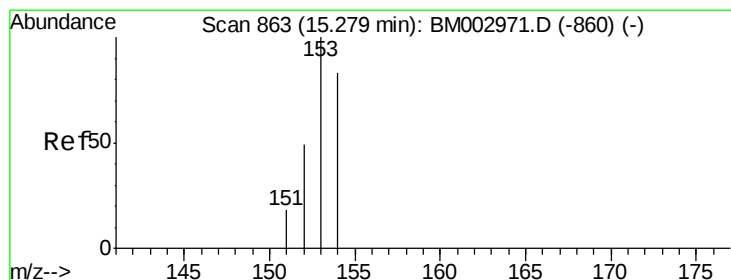
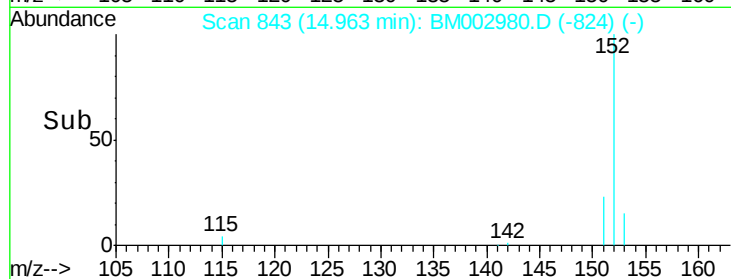
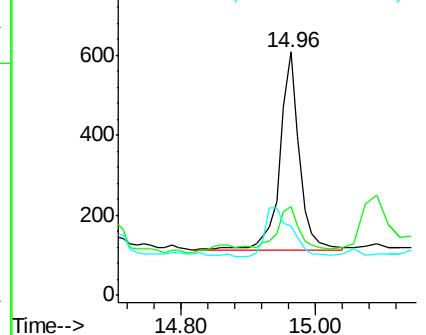
153 28.6 11.3 16.9#



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: BM002980.D

Acq: 22 Oct 2015 16:58

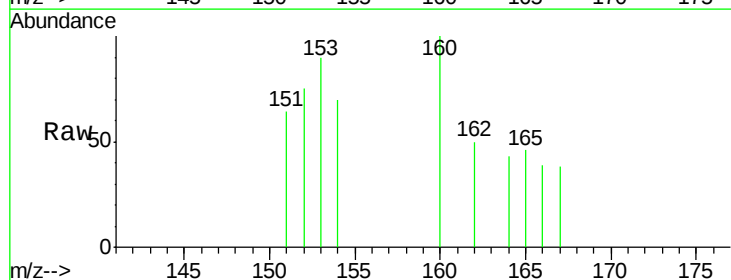
Tgt Ion:153 Resp: 315

Ion Ratio Lower Upper

153 100

152 84.2 42.3 63.5#

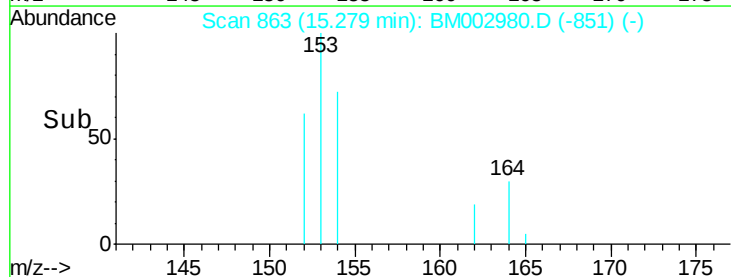
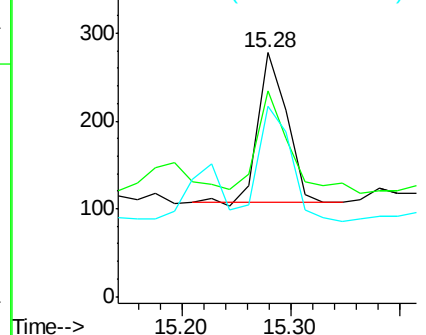
154 78.1 64.7 97.1

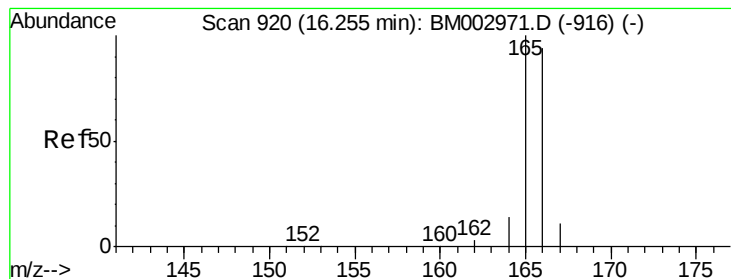


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.01 ng/ul

RT: 16.25 min Scan# 920

Delta R.T. 0.00 min

Lab File: BM002980.D

Acq: 22 Oct 2015 16:58

Instrument :

BNA_M

ClientSampleId :

JG9H7

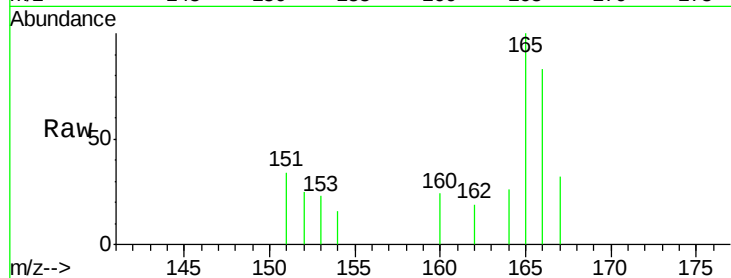
Tot Ion:166 Resp: 647

Ion Ratio Lower Upper

166 100

165 120.6 87.6 131.4

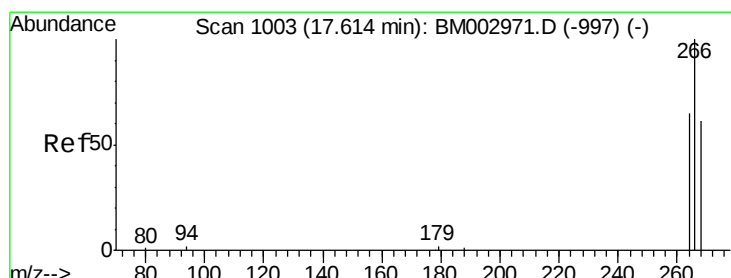
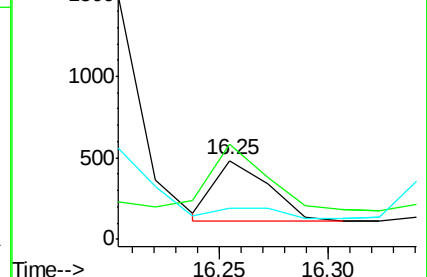
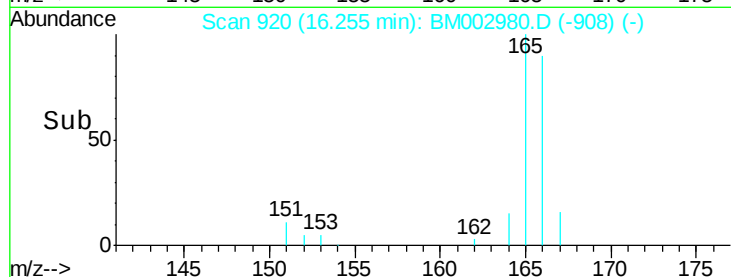
167 39.2 11.1 16.7#



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: 17.63 min Scan# 1004

Delta R.T. 0.01 min

Lab File: BM002980.D

Acq: 22 Oct 2015 16:58

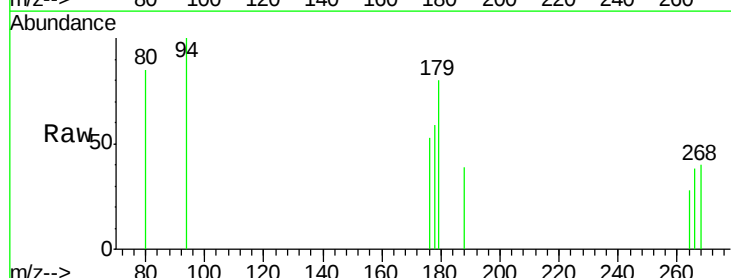
Tgt Ion:266 Resp: 123

Ion Ratio Lower Upper

266 100

264 78.9 53.5 80.3

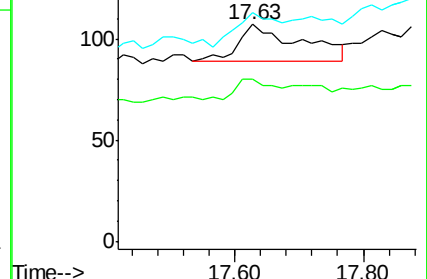
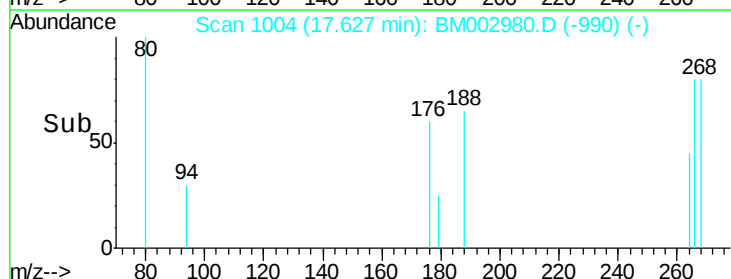
268 122.0 54.2 81.2#

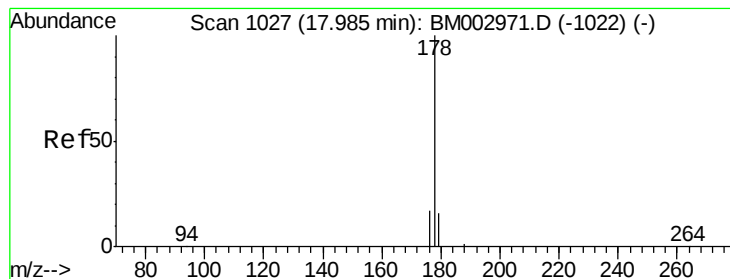


Abundance Ion 266.00 (265.70 to 266.70): E

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: BM002980.D

Acq: 22 Oct 2015 16:58

Instrument :

BNA_M

ClientSampleId :

JG9H7

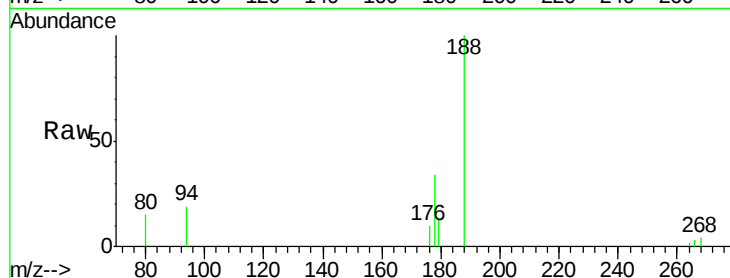
Tot Ion:178 Resp: 2393

Ion Ratio Lower Upper

178 100

176 29.4 16.2 24.4#

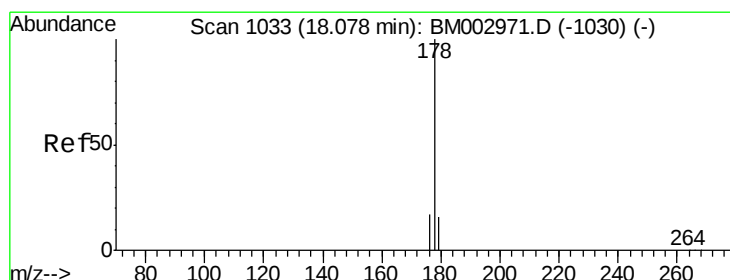
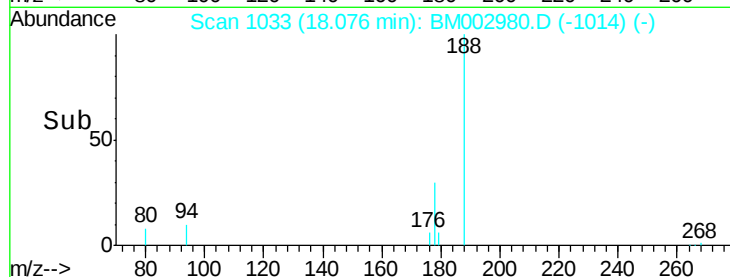
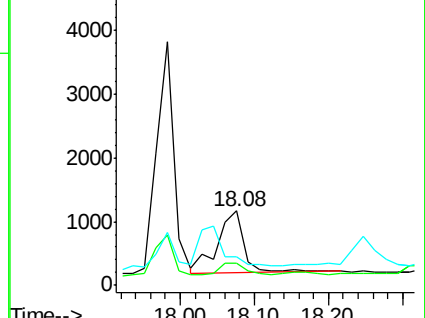
179 38.3 12.8 19.2#



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: BM002980.D

Acq: 22 Oct 2015 16:58

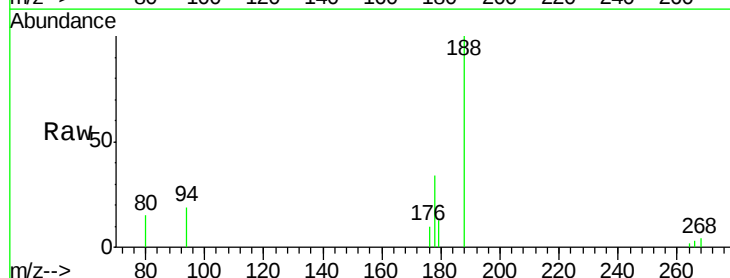
Tgt Ion:178 Resp: 2188

Ion Ratio Lower Upper

178 100

176 29.4 15.8 23.8#

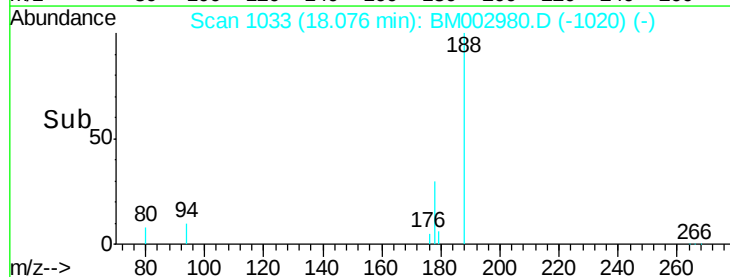
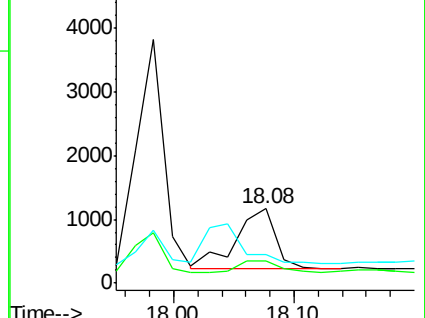
179 38.3 13.3 19.9#

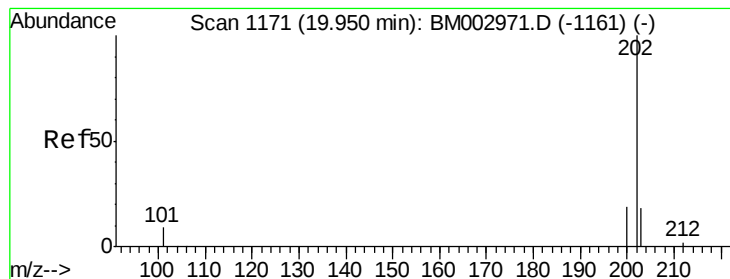


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM002980.D

Acq: 22 Oct 2015 16:58

Instrument :

BNA_M

ClientSampleId :

JG9H7

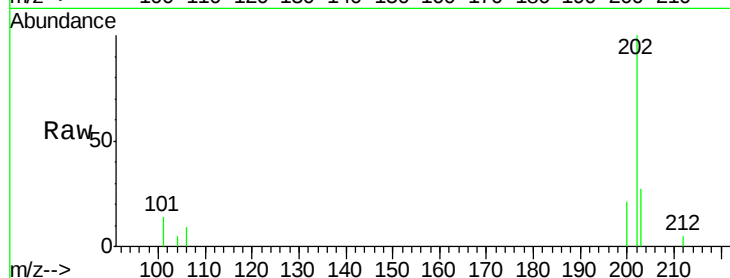
Tot Ion:202 Resp: 10378

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.1

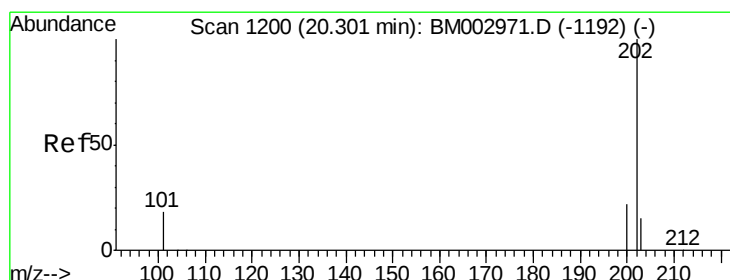
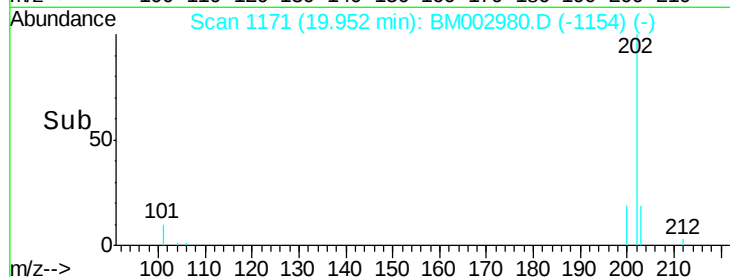
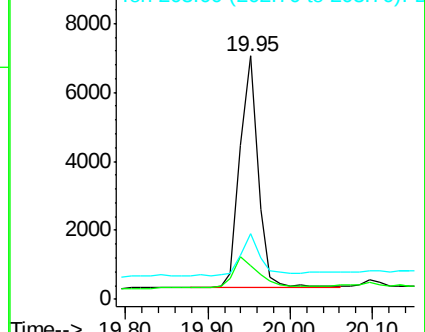
203 26.9 0.0 37.2



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: 0.12 ng/ul

RT: 20.30 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BM002980.D

Acq: 22 Oct 2015 16:58

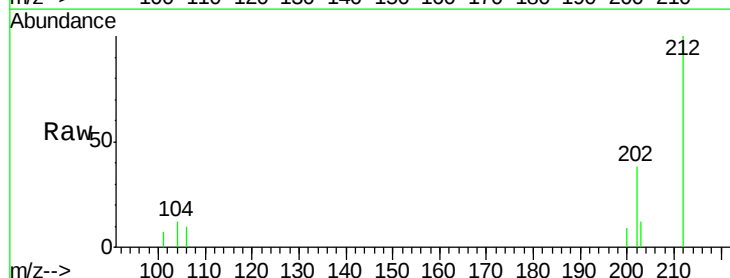
Tgt Ion:202 Resp: 10283

Ion Ratio Lower Upper

202 100

200 23.5 18.0 27.0

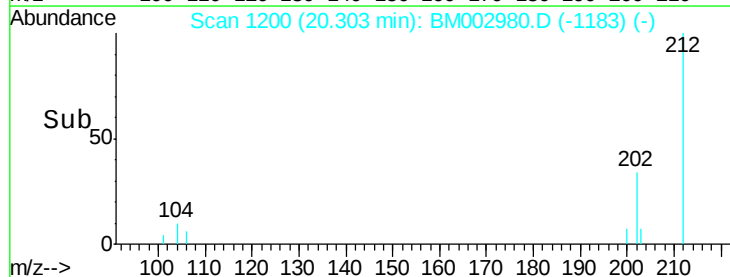
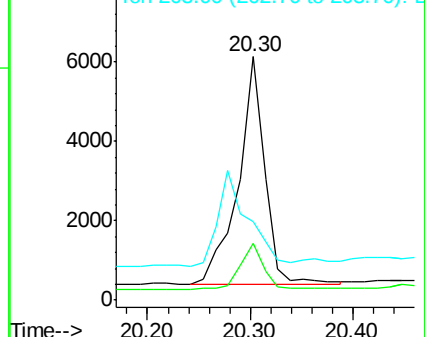
203 32.3 13.8 20.6#

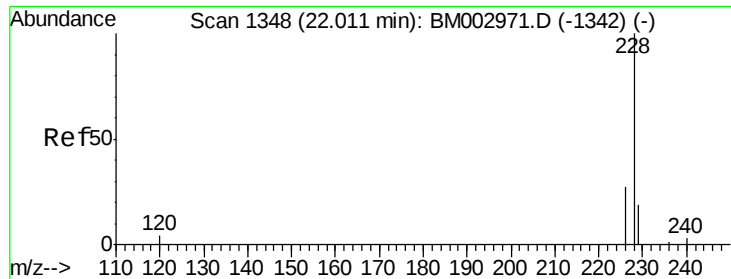


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM002980.D

Acq: 22 Oct 2015 16:58

Instrument :

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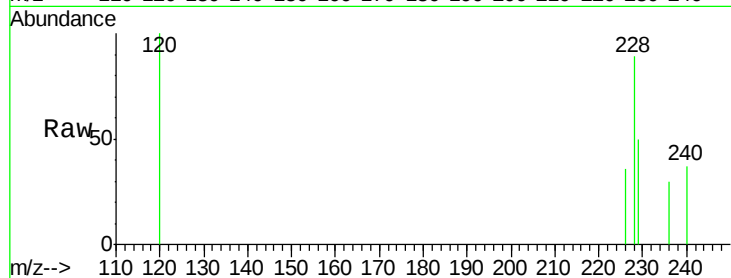
Tot Ion:228 Resp: 3852

Ion Ratio Lower Upper

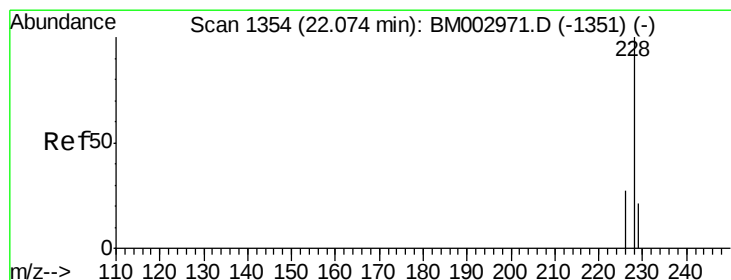
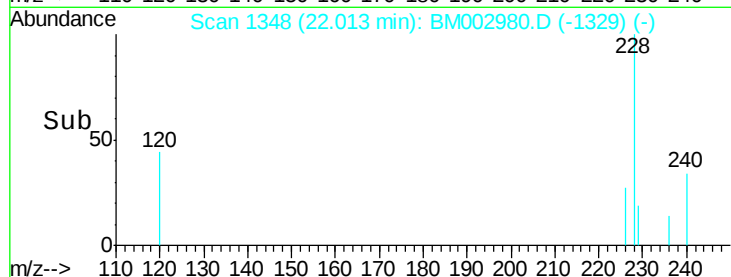
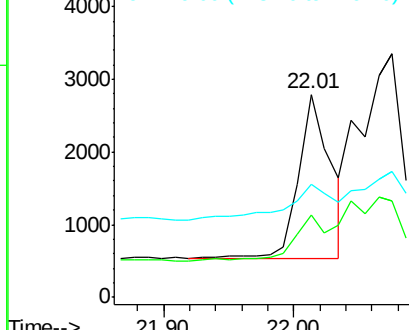
228 100

226 40.5 23.0 34.4#

229 55.8 15.2 22.8#



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: 0.08 ng/ul

RT: 22.08 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BM002980.D

Acq: 22 Oct 2015 16:58

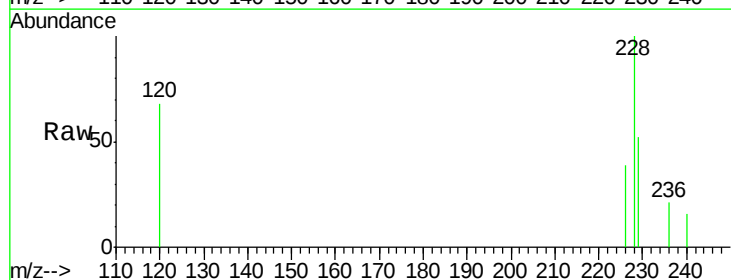
Tgt Ion:228 Resp: 6329

Ion Ratio Lower Upper

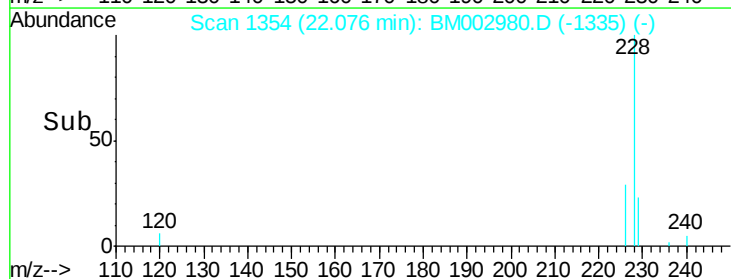
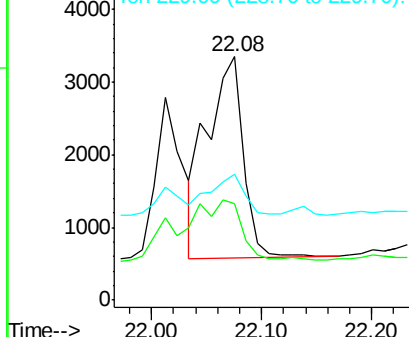
228 100

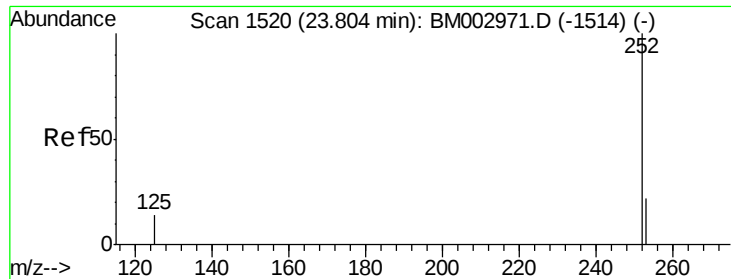
226 39.4 25.7 38.5#

229 51.6 15.2 22.8#



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: 0.13 ng/ul

RT: 23.81 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BM002980.D

Acq: 22 Oct 2015 16:58

Instrument :

BNA_M

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JG9H7

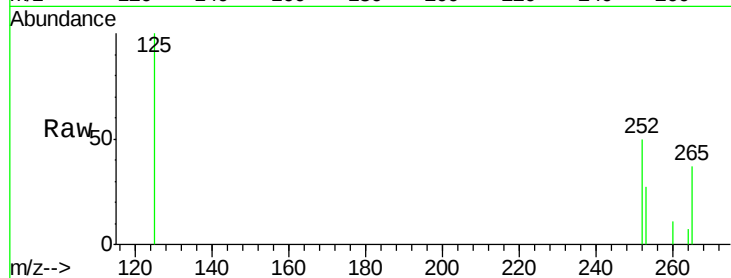
Tot Ion:252 Resp: 9416

Ion Ratio Lower Upper

252 100

253 54.6 0.0 48.0#

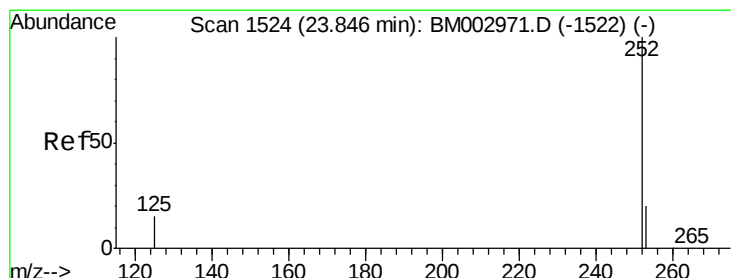
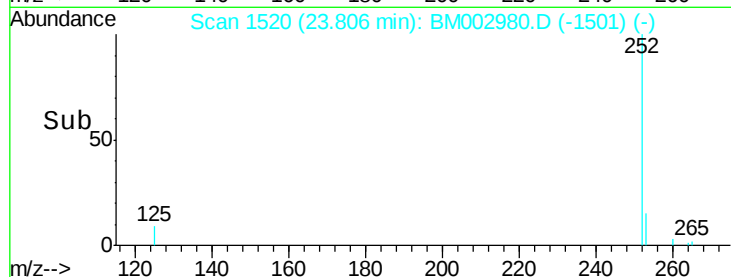
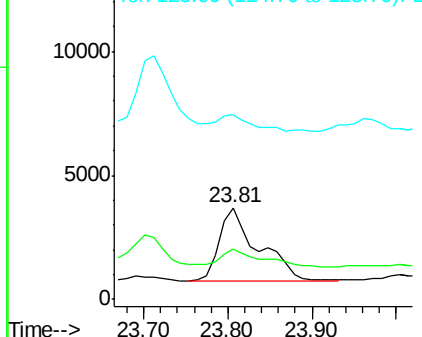
125 200.5 0.0 36.6#



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: 0.13 ng/ul

RT: 23.81 min Scan# 1520

Delta R.T. -0.04 min

Lab File: BM002980.D

Acq: 22 Oct 2015 16:58

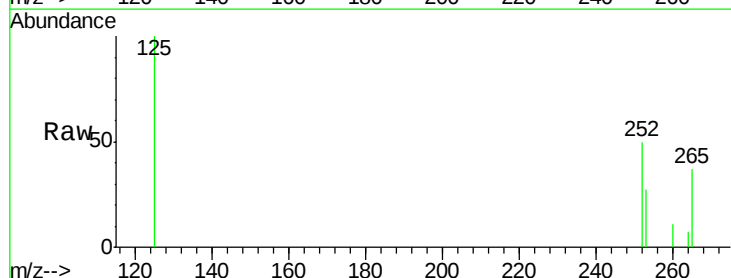
Tgt Ion:252 Resp: 9416

Ion Ratio Lower Upper

252 100

253 54.6 20.8 31.2#

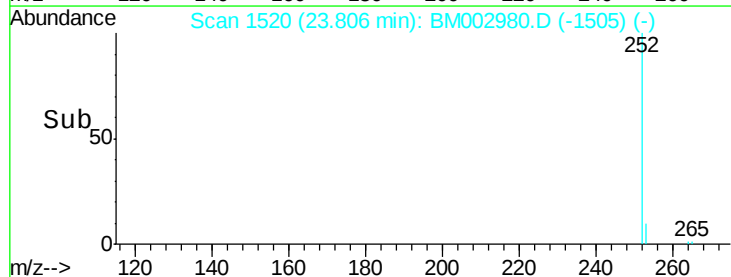
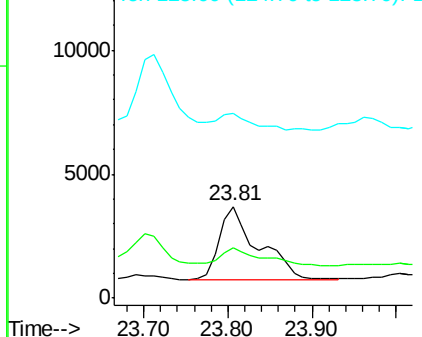
125 200.5 12.2 18.4#

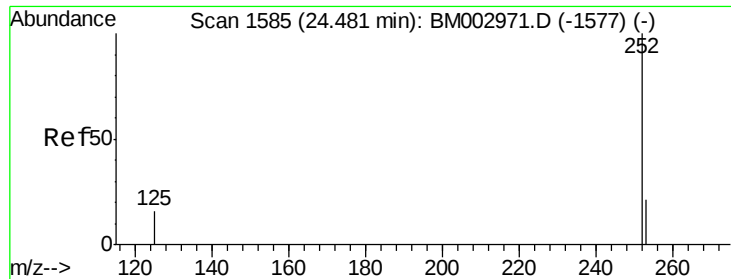


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 24.47 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BM002980.D

Acq: 22 Oct 2015 16:58

Instrument :

BNA_M

ClientSampleId :

JG9H7

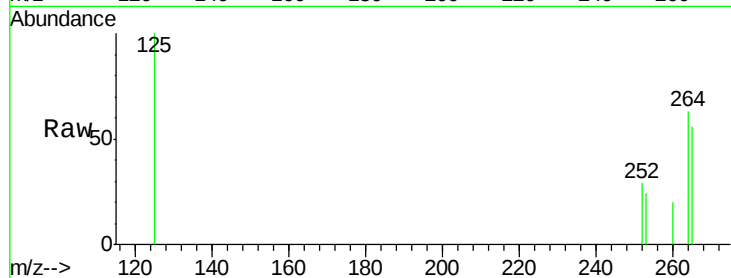
Tot Ion:252 Resp: 2374

Ion Ratio Lower Upper

252 100

253 82.6 21.8 32.8#

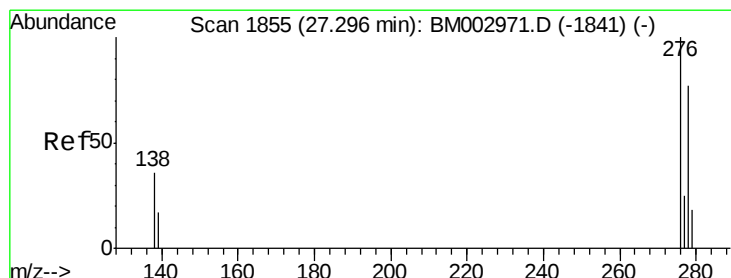
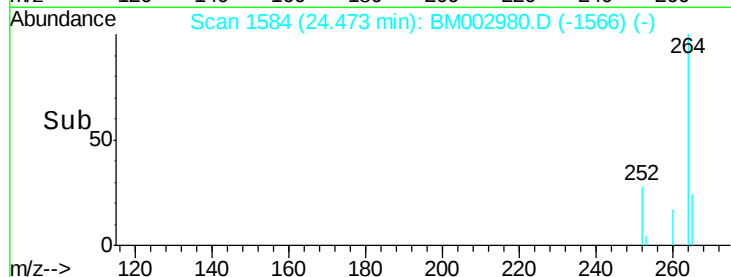
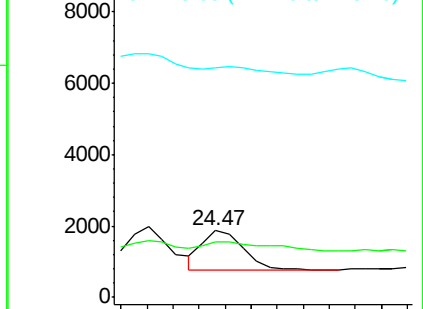
125 345.0 14.5 21.7#



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: 27.31 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM002980.D

Acq: 22 Oct 2015 16:58

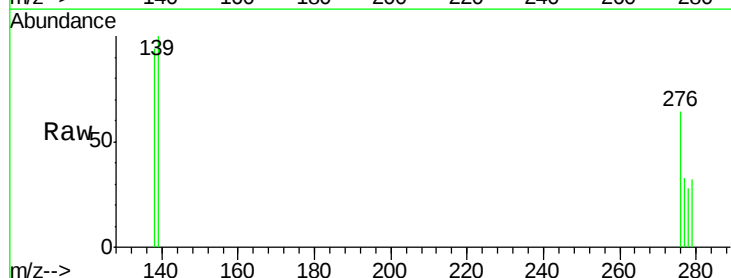
Tgt Ion:276 Resp: 3066

Ion Ratio Lower Upper

276 100

138 70.6 27.5 41.3#

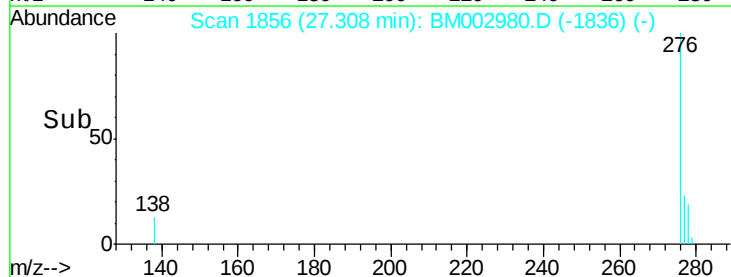
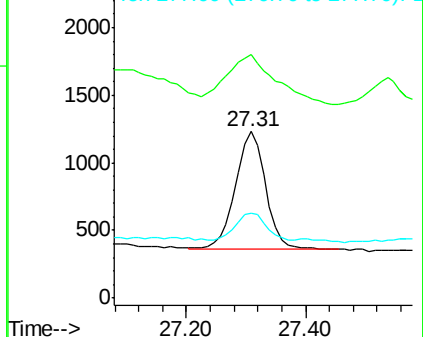
277 23.5 19.3 28.9

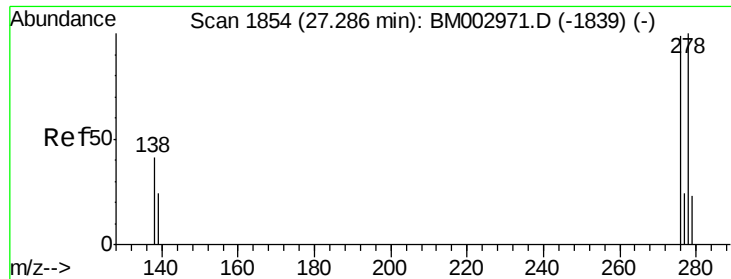


Abundance Ion 276.00 (275.70 to 276.70): E

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: 27.29 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BM002980.D

Acq: 22 Oct 2015 16:58

Instrument :

BNA_M

ClientSampleId :

JG9H7

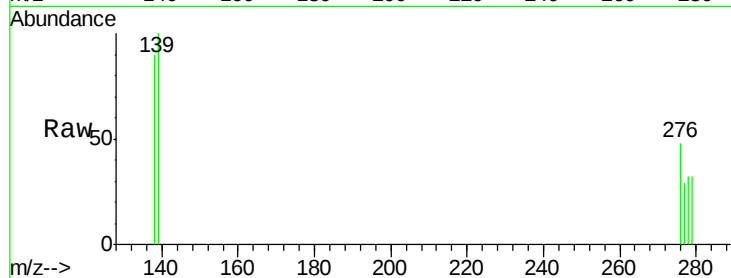
Tot Ion:278 Resp: 1312

Ion Ratio Lower Upper

278 100

139 316.9 21.7 32.5#

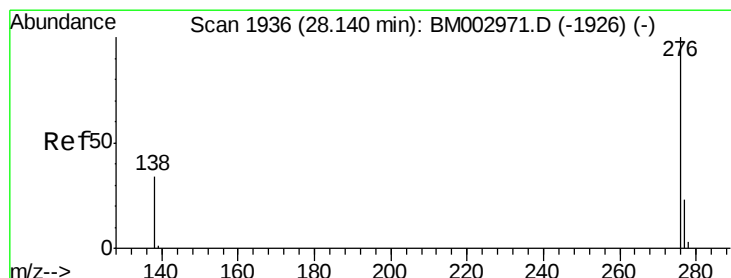
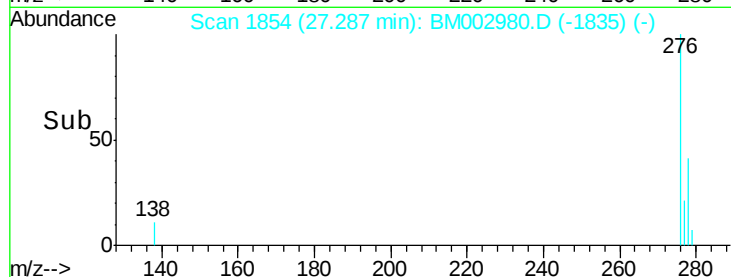
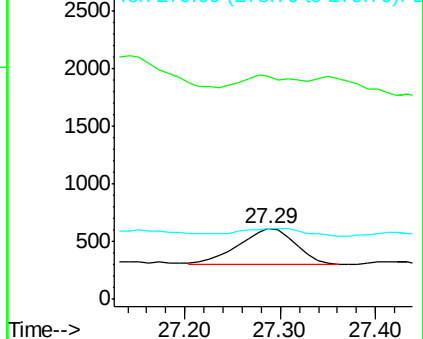
279 101.6 21.9 32.9#



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: 28.15 min Scan# 1937

Delta R.T. 0.01 min

Lab File: BM002980.D

Acq: 22 Oct 2015 16:58

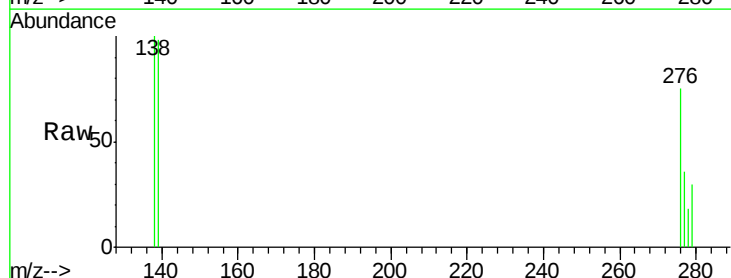
Tgt Ion:276 Resp: 4314

Ion Ratio Lower Upper

276 100

277 47.5 21.3 31.9#

138 132.6 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

