

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002983.D
 Acq On : 22 Oct 2015 18:49
 Operator : UM/IZ
 Sample : G4074-21MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9J5MS

Quant Time: Oct 23 02:00:59 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

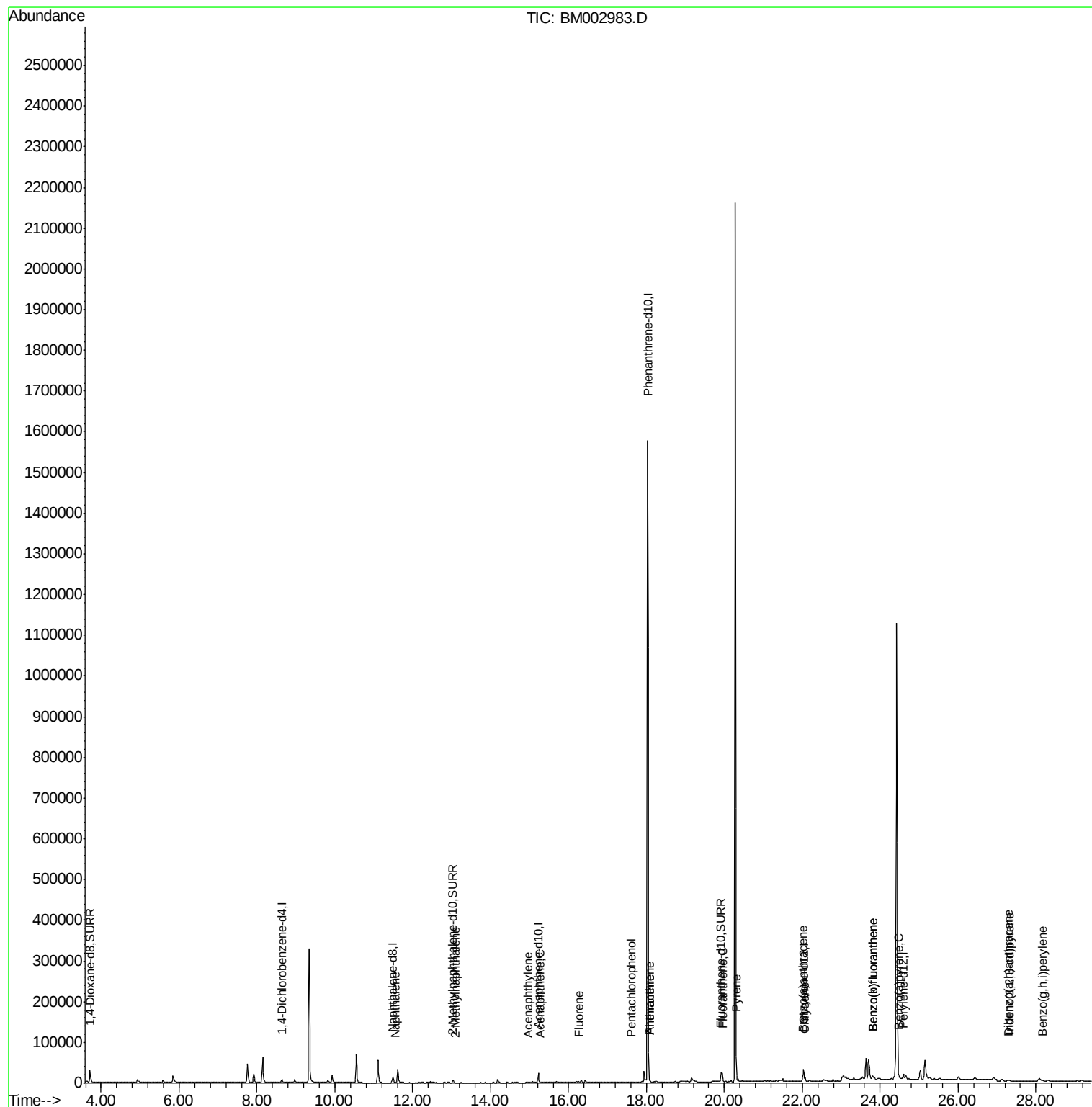
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	5307	0.40	ng/ul	0.00
4) Naphthalene-d8	11.48	136	23435	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	13960	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	2159578	0.40	ng/ul	0.09
18) Chrysene-d12	22.03	240	28317	0.40	ng/ul	0.00
22) Perylene-d12	24.60	264	23629	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	23314	4.11	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.03	152	12150	0.31	ng/ul	-0.01
16) Fluoranthene-d10	19.92	212	29472	0.01	ng/ul	-0.01
Target Compounds				Ovalue		
5) Naphthalene	11.54	128	700	0.01	ng/ul#	48
7) 2-Methylnaphthalene	13.10	142	736	0.02	ng/ul	95
9) Acenaphthylene	14.96	152	826	0.01	ng/ul#	43
10) Acenaphthene	15.28	153	396	0.01	ng/ul#	51
11) Fluorene	16.25	166	2613	0.04	ng/ul#	72
13) Pentachlorophenol	17.61	266	1822	0.01	ng/ul	97
14) Phenanthrene	18.08	178	1963	0.00	ng/ul#	35
15) Anthracene	18.08	178	1894	0.00	ng/ul#	34
17) Fluoranthene	19.95	202	20395	0.00	ng/ul	93
19) Pyrene	20.30	202	23719	0.23	ng/ul#	93
20) Benzo(a)anthracene	22.01	228	8550	0.09	ng/ul#	88
21) Chrysene	22.08	228	10401	0.11	ng/ul#	87
23) Benzo(b)fluoranthene	23.81	252	16249	0.19	ng/ul#	1
24) Benzo(k)fluoranthene	23.81	252	16249	0.20	ng/ul#	1
25) Benzo(a)pyrene	24.47	252	7550	0.09	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.31	276	5621	0.06	ng/ul#	63
27) Dibenzo(a,h)anthracene	27.29	278	1502	0.02	ng/ul#	1
28) Benzo(a,h,i)perylene	28.16	276	9193	0.13	ng/ul#	8

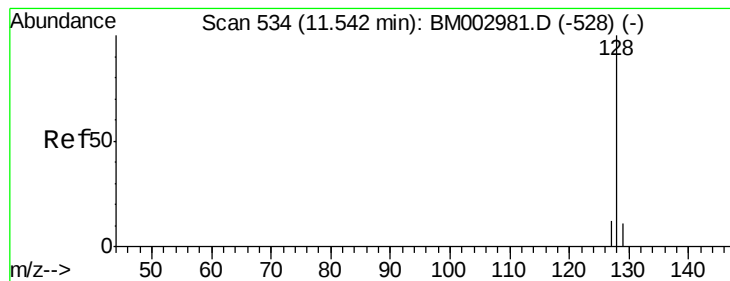
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM002983.D

Acq: 22 Oct 2015 18:49

Instrument :

BNA_M

ClientSampleId :

JG9J5MS

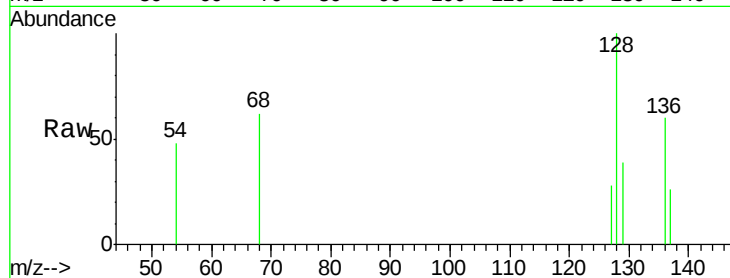
Tot Ion:128 Resp: 700

Ion Ratio Lower Upper

128 100

129 39.1 9.8 14.8#

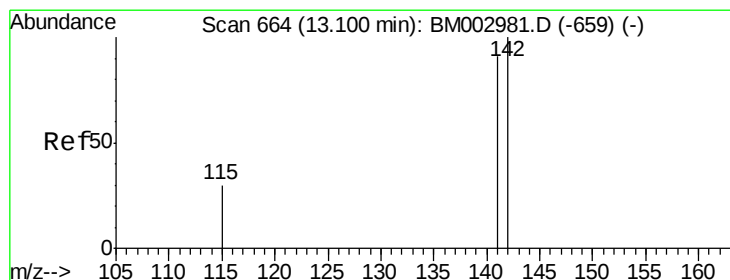
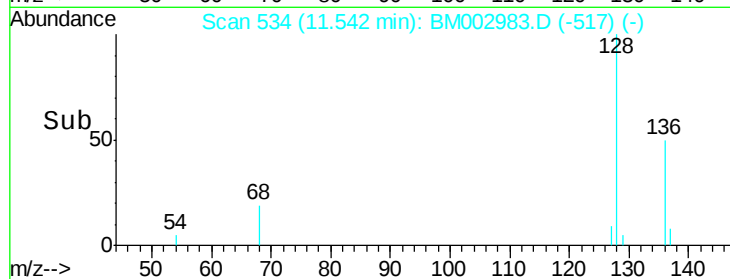
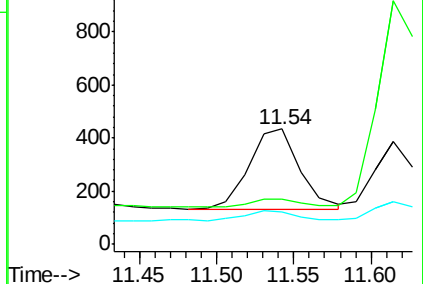
127 28.0 10.7 16.1#



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: 13.10 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM002983.D

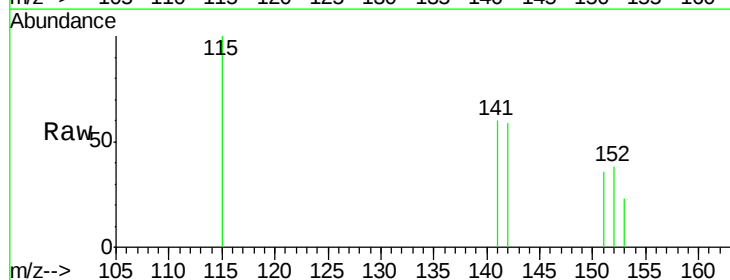
Acq: 22 Oct 2015 18:49

Tgt Ion:142 Resp: 736

Ion Ratio Lower Upper

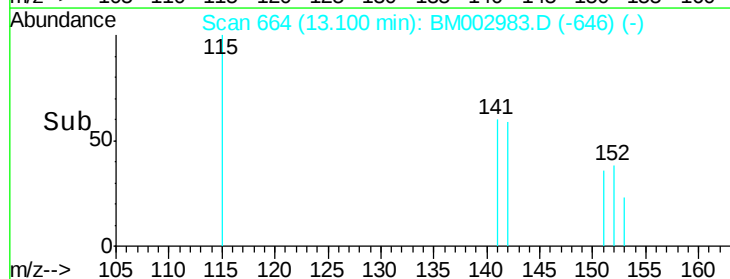
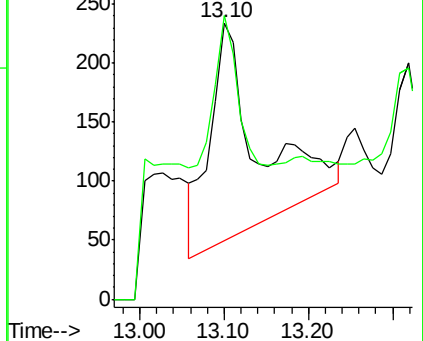
142 100

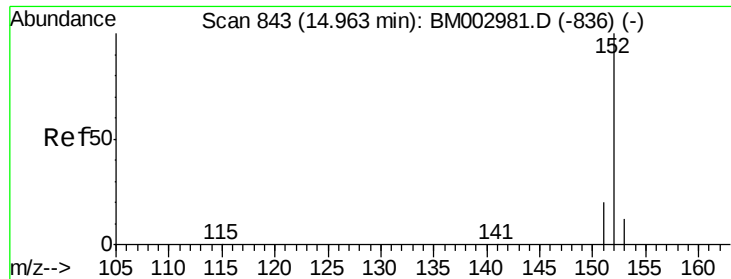
141 92.9 70.3 105.5



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: BM002983.D

Acq: 22 Oct 2015 18:49

Instrument :

BNA_M

ClientSampleId :

JG9J5MS

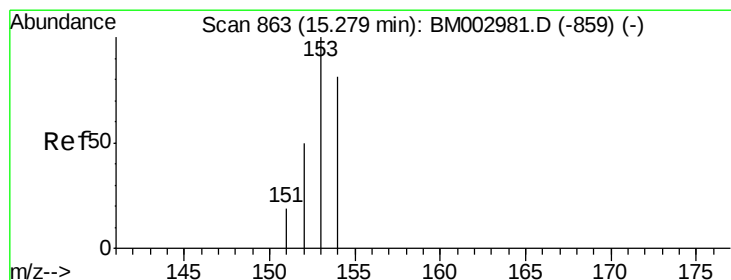
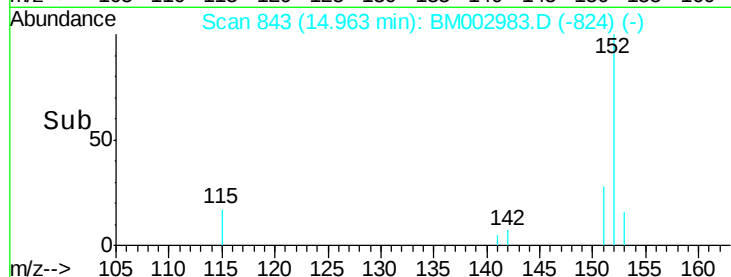
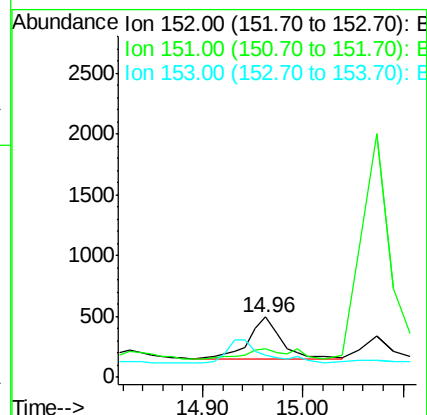
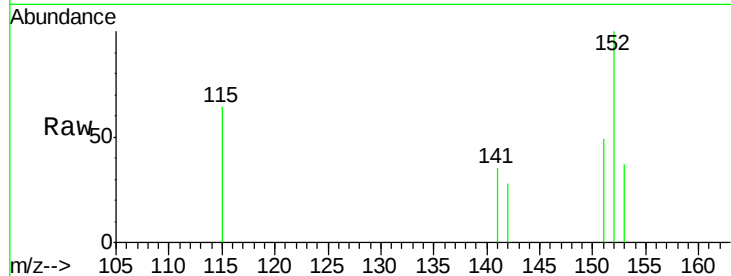
Tot Ion:152 Resp: 826

Ion Ratio Lower Upper

152 100

151 48.6 16.8 25.2#

153 36.6 11.3 16.9#



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 15.28 min Scan# 863

Delta R.T. -0.00 min

Lab File: BM002983.D

Acq: 22 Oct 2015 18:49

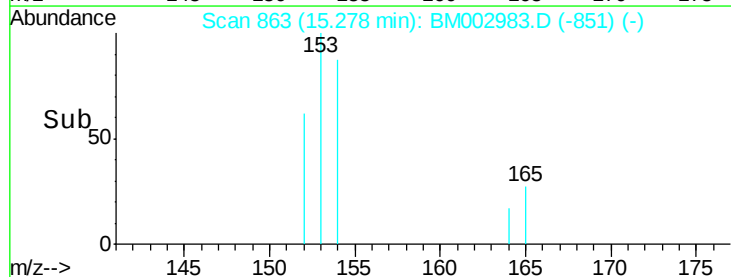
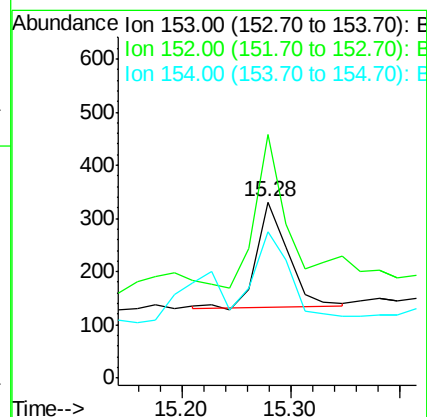
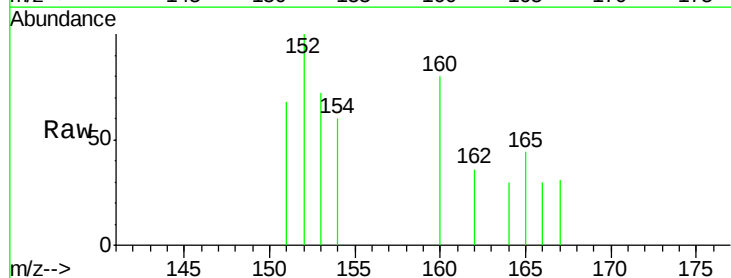
Tgt Ion:153 Resp: 396

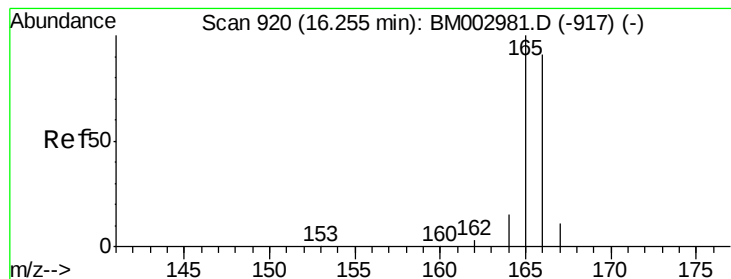
Ion Ratio Lower Upper

153 100

152 138.4 42.3 63.5#

154 83.4 64.7 97.1





#11

Fluorene

Concen: 0.04 ng/ul

RT: 16.25 min Scan# 920

Delta R.T. -0.00 min

Lab File: BM002983.D

Acq: 22 Oct 2015 18:49

Instrument :

BNA_M

ClientSampleId :

JG9J5MS

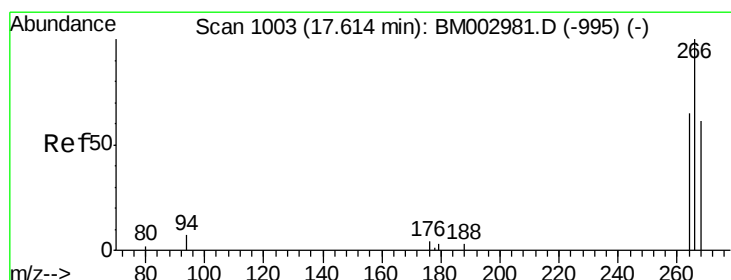
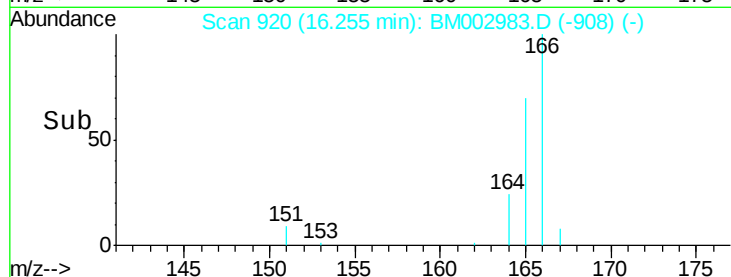
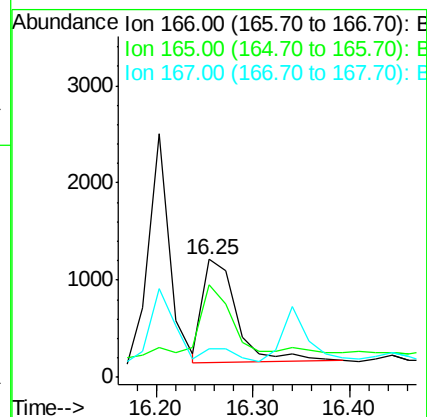
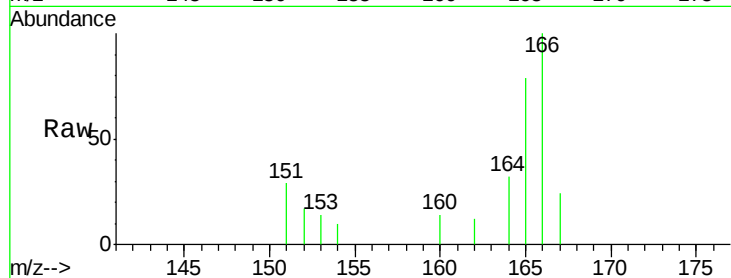
Tot Ion:166 Resp: 2613

Ion Ratio Lower Upper

166 100

165 79.3 87.6 131.4#

167 24.0 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: BM002983.D

Acq: 22 Oct 2015 18:49

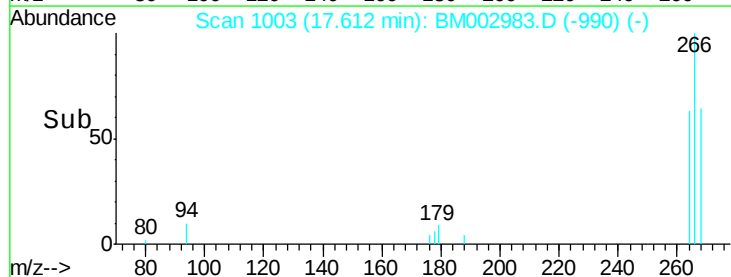
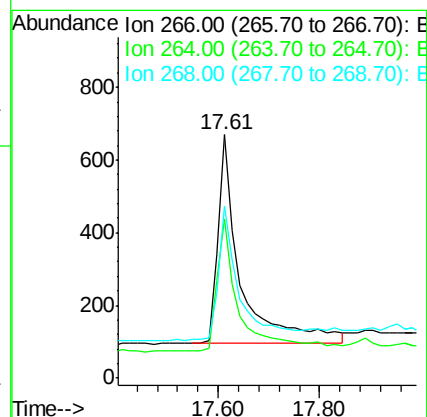
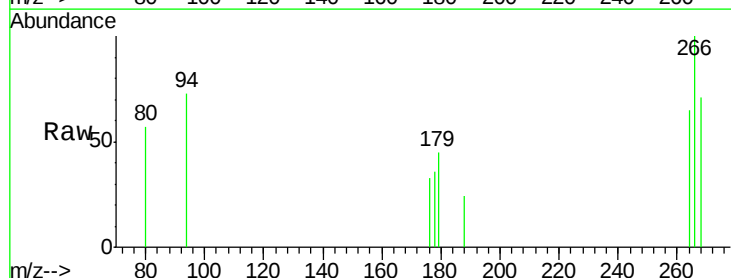
Tgt Ion:266 Resp: 1822

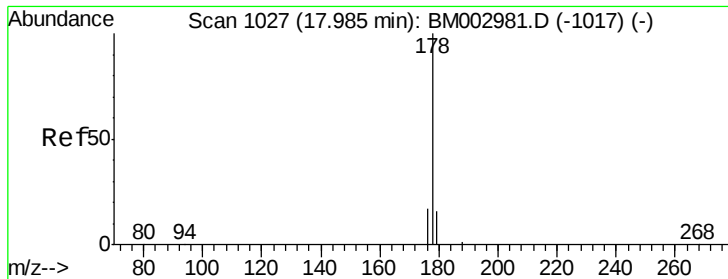
Ion Ratio Lower Upper

266 100

264 63.1 53.5 80.3

268 67.1 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: BM002983.D

Acq: 22 Oct 2015 18:49

Instrument :

BNA_M

ClientSampleId :

JG9J5MS

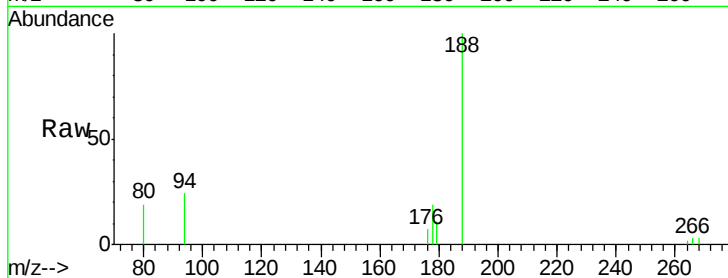
Tot Ion:178 Resp: 1963

Ion Ratio Lower Upper

178 100

176 39.1 16.2 24.4#

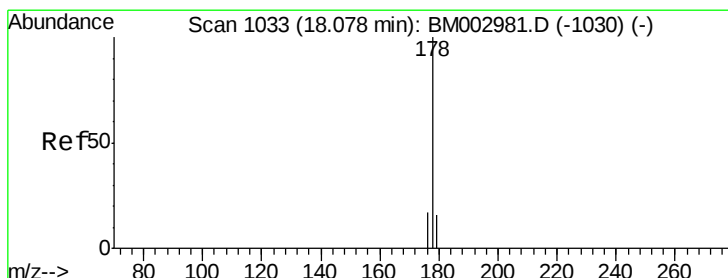
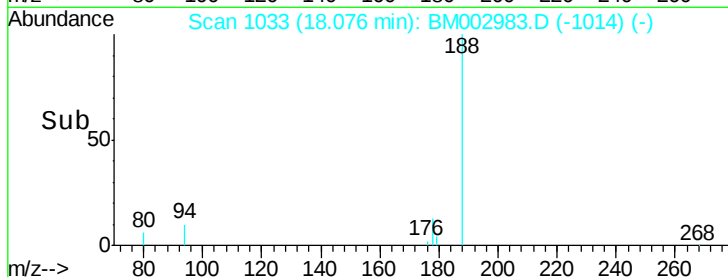
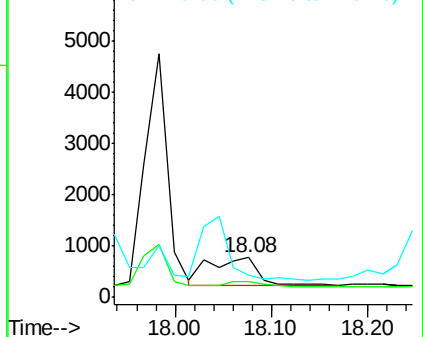
179 56.8 12.8 19.2#



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: BM002983.D

Acq: 22 Oct 2015 18:49

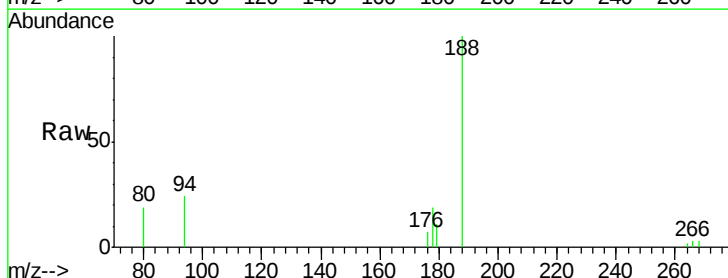
Tgt Ion:178 Resp: 1894

Ion Ratio Lower Upper

178 100

176 39.1 15.8 23.8#

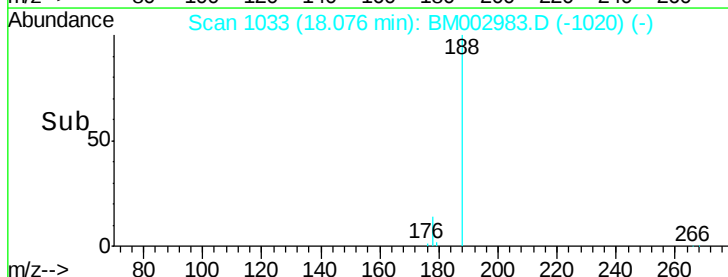
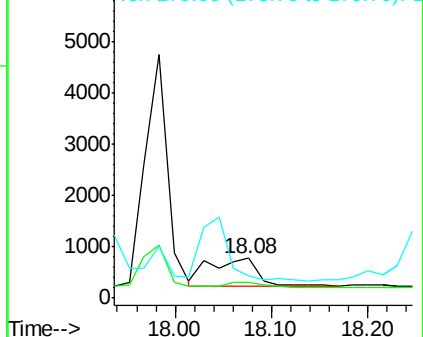
179 56.8 13.3 19.9#

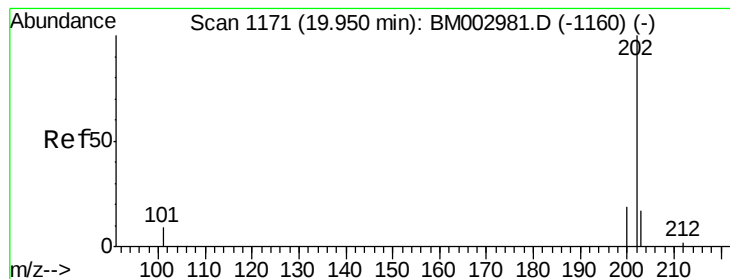


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM002983.D

Acq: 22 Oct 2015 18:49

Instrument :

BNA_M

ClientSampleId :

JG9J5MS

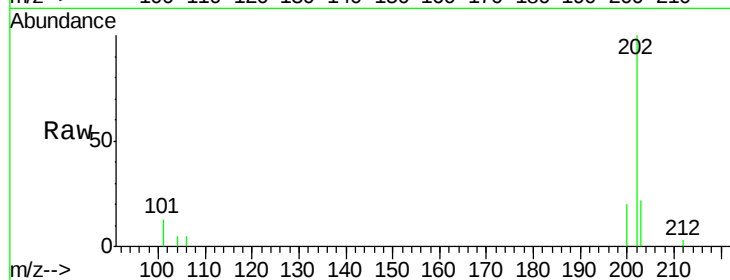
Tot Ion:202 Resp: 20395

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.1

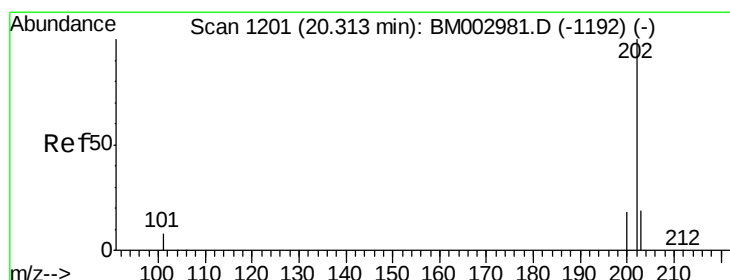
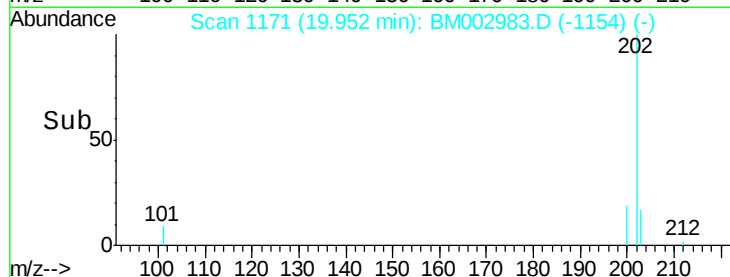
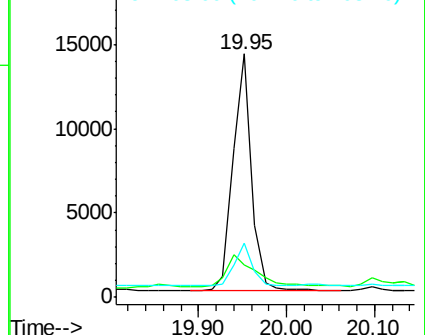
203 22.3 0.0 37.2



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: 0.23 ng/ul

RT: 20.30 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BM002983.D

Acq: 22 Oct 2015 18:49

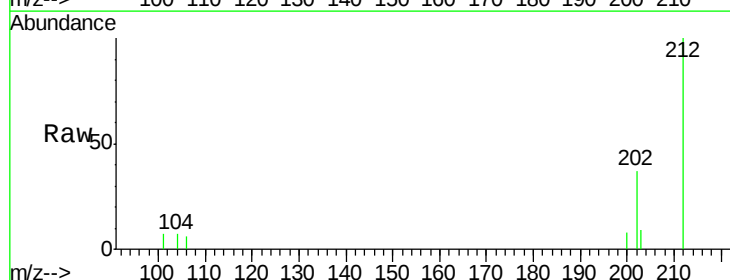
Tgt Ion:202 Resp: 23719

Ion Ratio Lower Upper

202 100

200 21.7 18.0 27.0

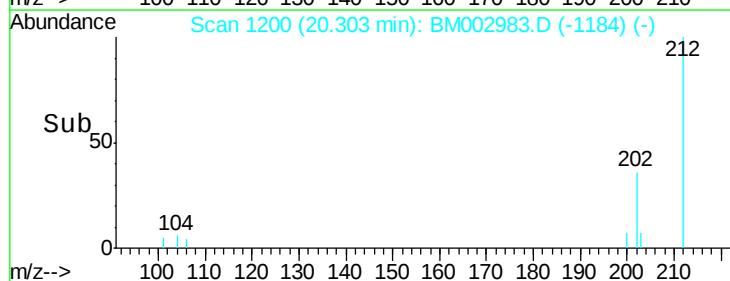
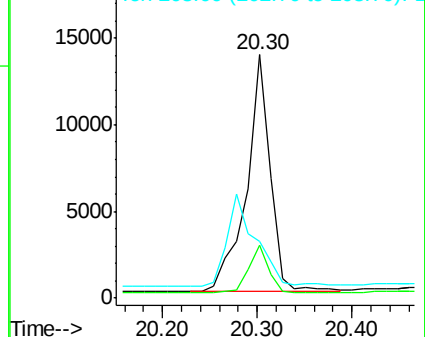
203 23.1 13.8 20.6#

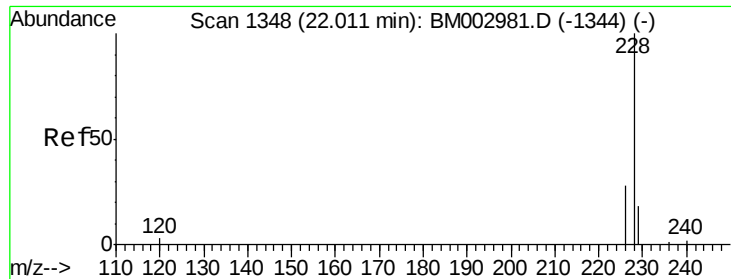


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 22.01 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BM002983.D

Acq: 22 Oct 2015 18:49

Instrument :

BNA_M

ClientSampleId :

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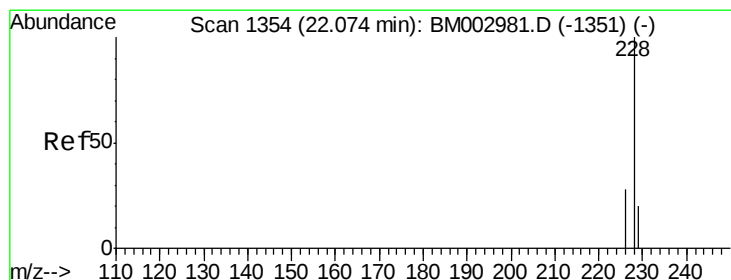
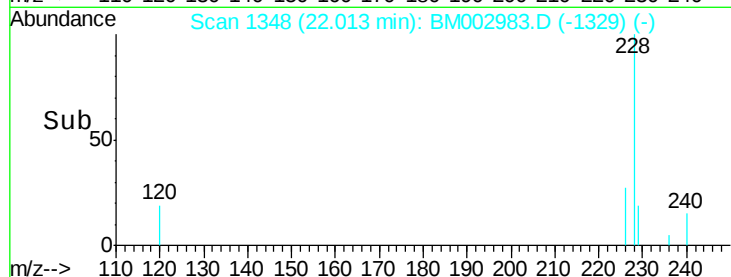
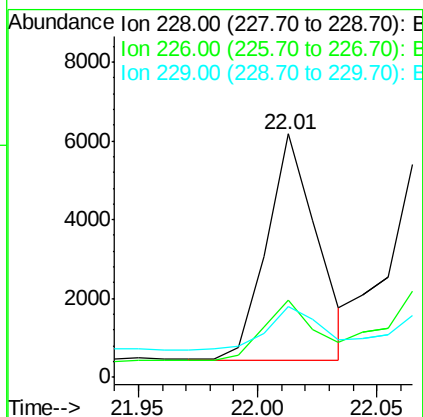
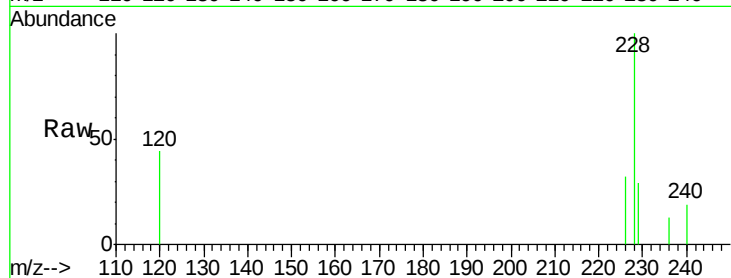
Tot Ion:228 Resp: 8550

Ion Ratio Lower Upper

228 100

226 31.5 23.0 34.4

229 28.9 15.2 22.8#



#21

Chrysene

Concen: 0.11 ng/ul

RT: 22.08 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BM002983.D

Acq: 22 Oct 2015 18:49

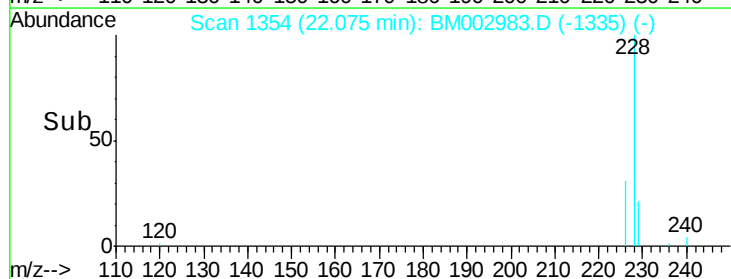
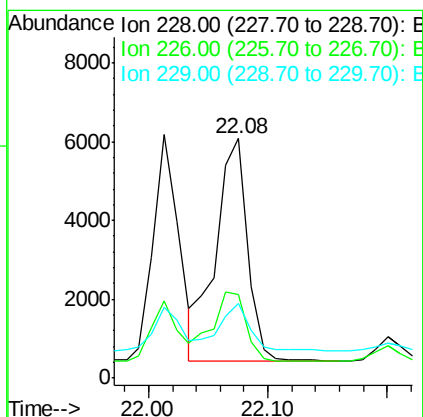
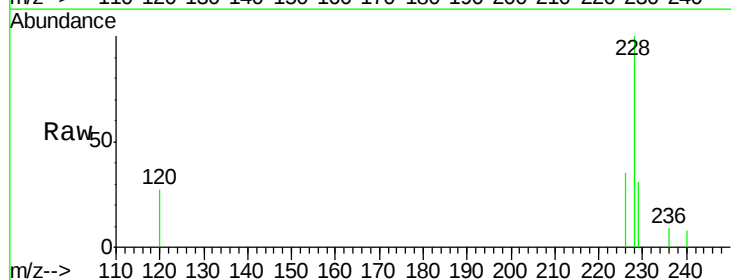
Tgt Ion:228 Resp: 10401

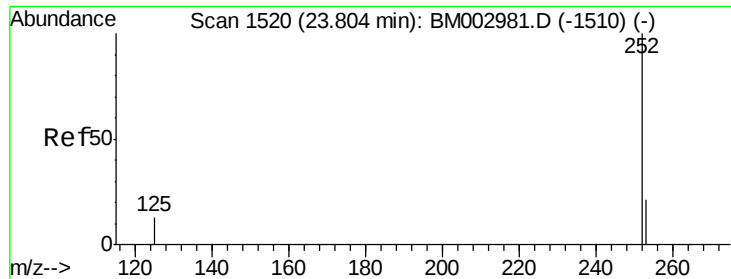
Ion Ratio Lower Upper

228 100

226 34.9 25.7 38.5

229 31.4 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.19 ng/ul

RT: 23.81 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BM002983.D

Acq: 22 Oct 2015 18:49

Instrument :

BNA_M

ClientSampleId :

JG9J5MS

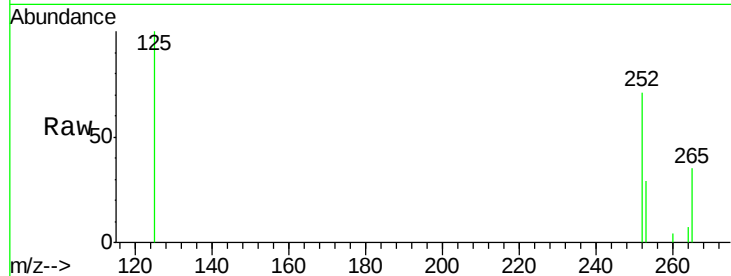
Tot Ion:252 Resp: 16249

Ion Ratio Lower Upper

252 100

253 40.8 0.0 48.0

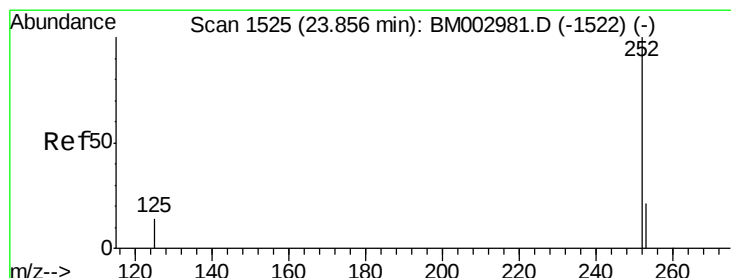
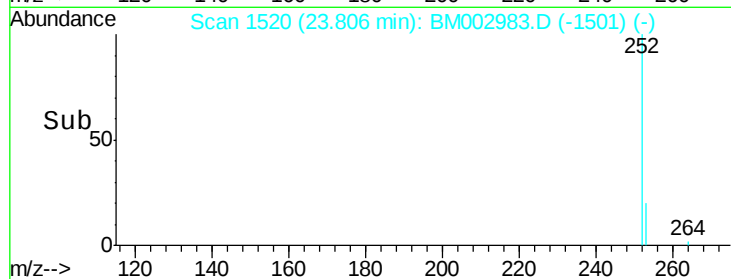
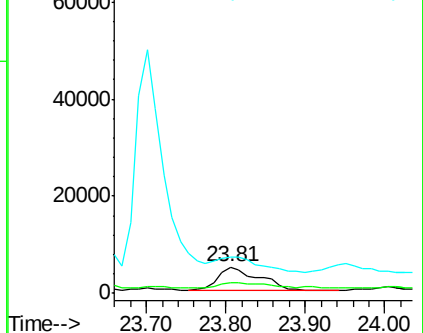
125 140.0 0.0 36.6#



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: 0.20 ng/ul

RT: 23.81 min Scan# 1520

Delta R.T. -0.05 min

Lab File: BM002983.D

Acq: 22 Oct 2015 18:49

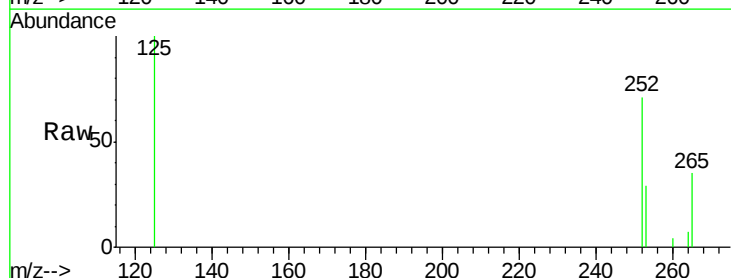
Tgt Ion:252 Resp: 16249

Ion Ratio Lower Upper

252 100

253 40.8 20.8 31.2#

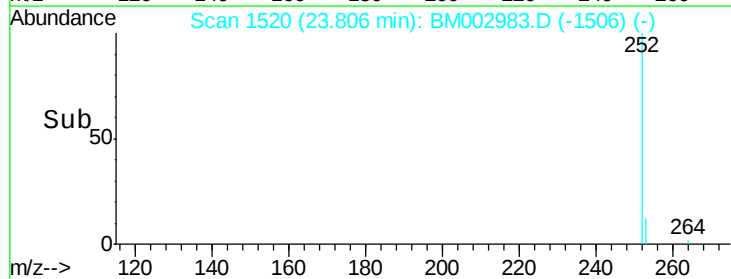
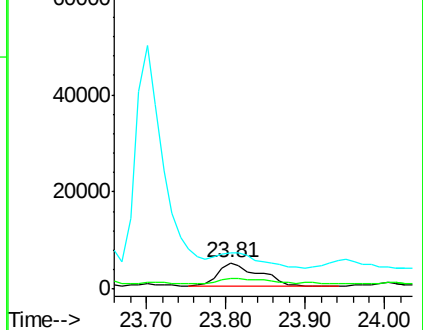
125 140.0 12.2 18.4#

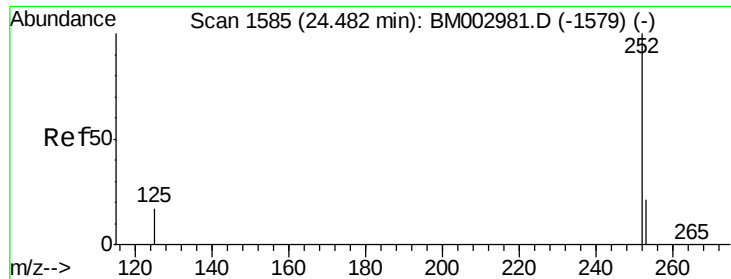


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.09 ng/ul

RT: 24.47 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BM002983.D

Acq: 22 Oct 2015 18:49

Instrument :

BNA_M

ClientSampleId :

JG9J5MS

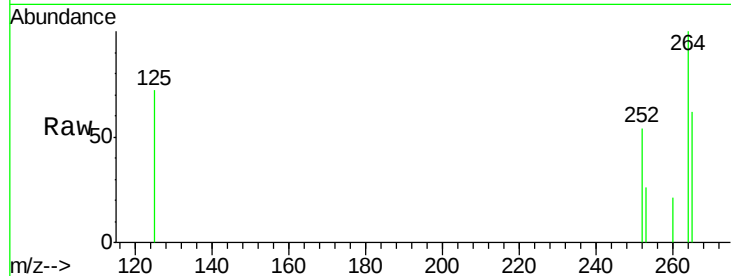
Tot Ion:252 Resp: 7550

Ion Ratio Lower Upper

252 100

253 48.2 21.8 32.8#

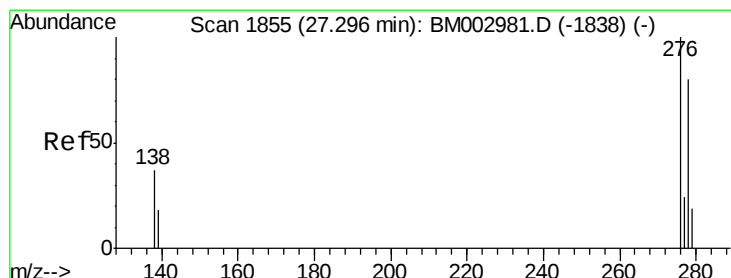
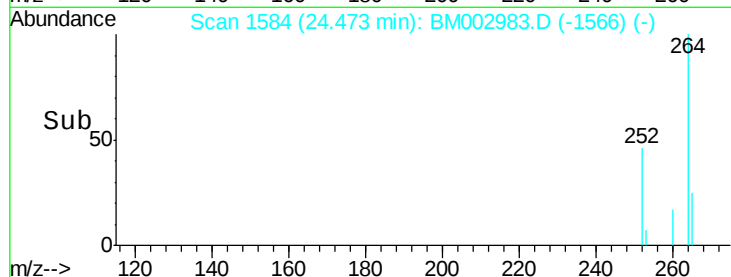
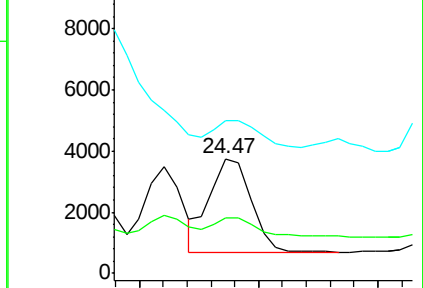
125 133.1 14.5 21.7#



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: 0.06 ng/ul

RT: 27.31 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM002983.D

Acq: 22 Oct 2015 18:49

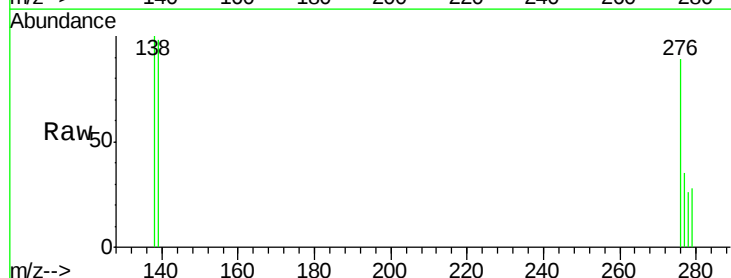
Tgt Ion:276 Resp: 5621

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

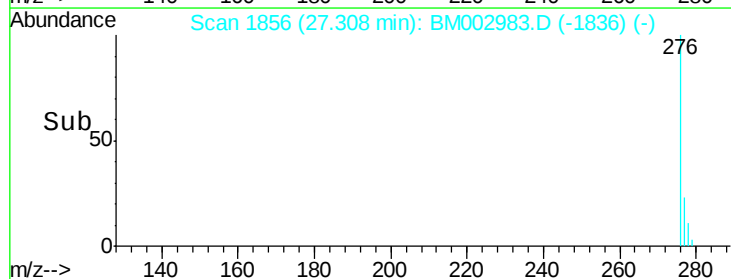
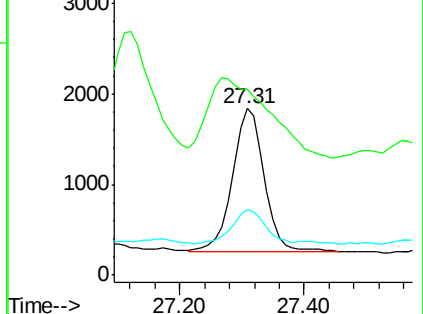
277 26.2 19.3 28.9

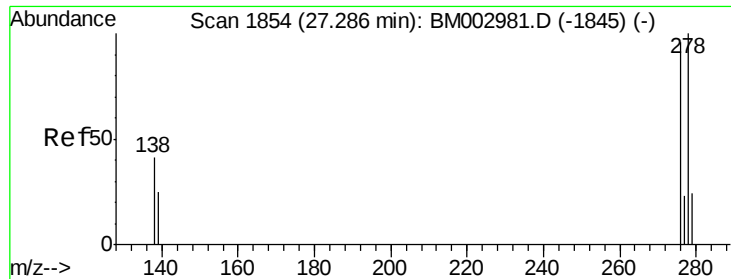


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

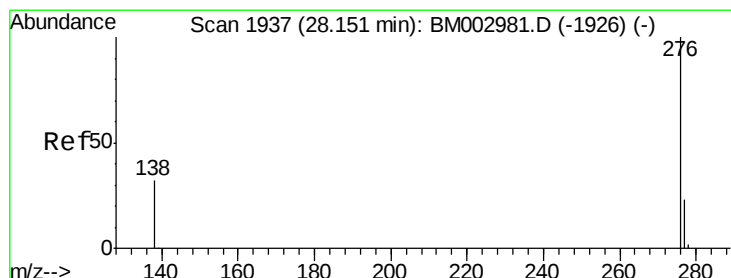
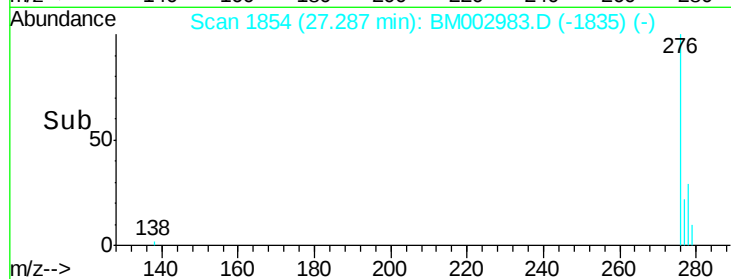
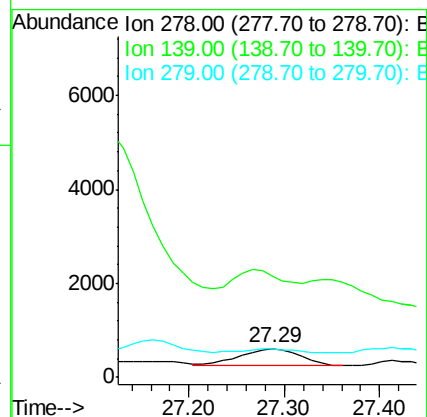
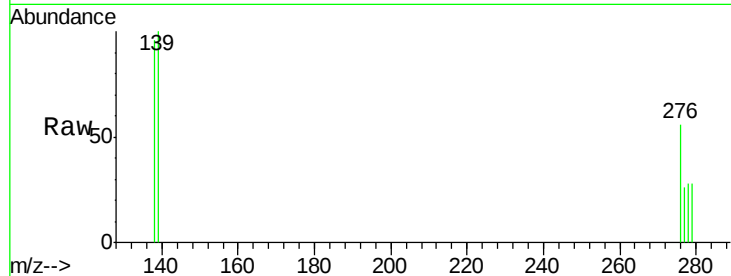




#27
Dibenzo(a,h)anthracene
Concen: 0.02 ng/ul
RT: 27.29 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM002983.D
Acq: 22 Oct 2015 18:49

Instrument :
BNA_M
ClientSampleId :
JG9J5MS

Tot Ion:278 Resp: 1502
Ion Ratio Lower Upper
278 100
139 354.6 21.7 32.5#
279 99.5 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.13 ng/ul
RT: 28.16 min Scan# 1938
Delta R.T. 0.01 min
Lab File: BM002983.D
Acq: 22 Oct 2015 18:49

Tgt Ion:276 Resp: 9193
Ion Ratio Lower Upper
276 100
277 39.0 21.3 31.9#
138 114.9 25.5 38.3#

