

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002982.D
 Acq On : 22 Oct 2015 18:13
 Operator : UM/IZ
 Sample : G4074-20
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9J5

Quant Time: Oct 23 02:00:50 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

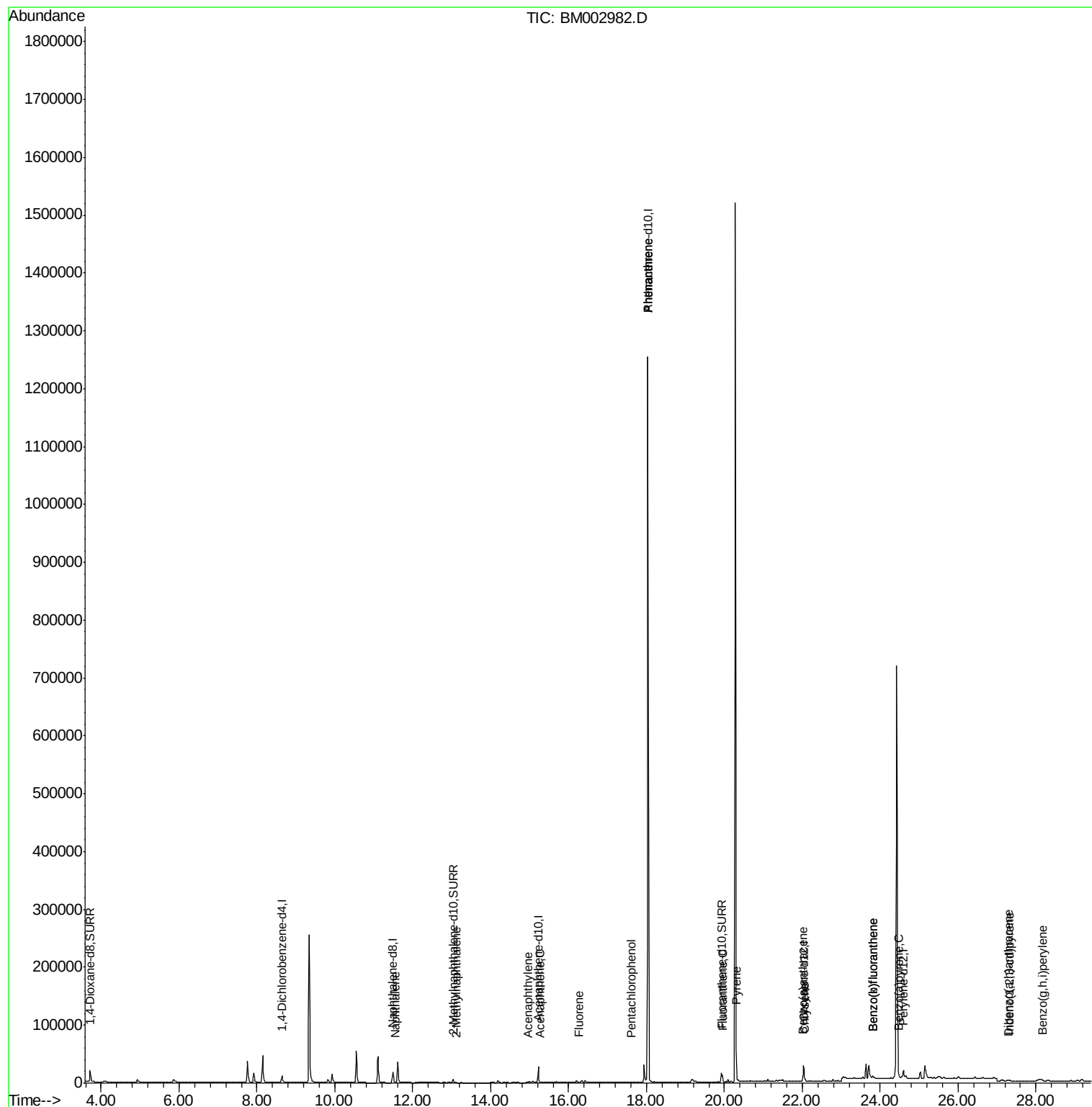
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	7359	0.40	ng/ul	0.00
4) Naphthalene-d8	11.48	136	31628	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	17037	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1569552	0.40	ng/ul	0.09
18) Chrysene-d12	22.03	240	27317	0.40	ng/ul	0.00
22) Perylene-d12	24.60	264	24321	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	17809	2.27	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	9660	0.18	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	19251	0.00	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.54	128	584	0.01	ng/ul#	45
7) 2-Methylnaphthalene	13.11	142	561	0.01	ng/ul	85
9) Acenaphthylene	14.96	152	451	0.00	ng/ul#	26
10) Acenaphthene	15.28	153	249	0.00	ng/ul#	66
11) Fluorene	16.27	166	802	0.01	ng/ul#	71
13) Pentachlorophenol	17.61	266	458	0.00	ng/ul	93
14) Phenanthrene	18.03	178	1199	0.00	ng/ul#	1
15) Anthracene	18.03	178	1115	0.00	ng/ul#	1
17) Fluoranthene	19.95	202	12393	0.00	ng/ul	94
19) Pyrene	20.30	202	13880	0.14	ng/ul#	91
20) Benzo(a)anthracene	22.01	228	4656	0.05	ng/ul#	79
21) Chrysene	22.07	228	5487	0.06	ng/ul#	83
23) Benzo(b)fluoranthene	23.80	252	9664	0.11	ng/ul#	1
24) Benzo(k)fluoranthene	23.80	252	9664	0.12	ng/ul#	1
25) Benzo(a)pyrene	24.48	252	4199	0.05	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.32	276	3543	0.04	ng/ul#	65
27) Dibenzo(a,h)anthracene	27.30	278	918	0.01	ng/ul#	1
28) Benzo(a,h,i)perylene	28.16	276	5447	0.07	ng/ul#	1

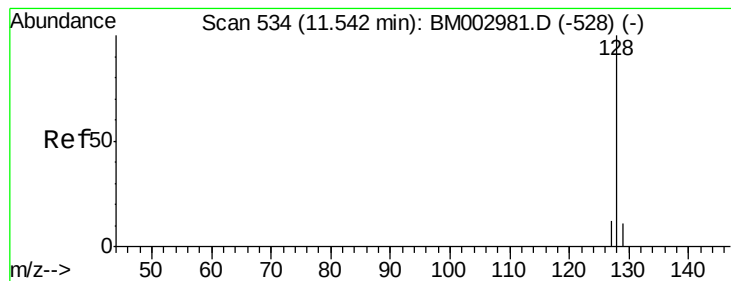
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM002982.D

Acq: 22 Oct 2015 18:13

Instrument :

BNA_M

ClientSampleId :

JG9J5

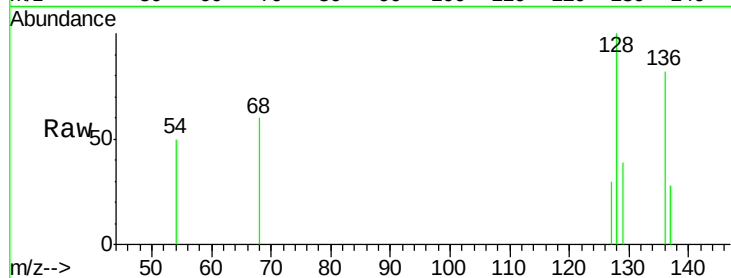
Tot Ion:128 Resp: 584

Ion Ratio Lower Upper

128 100

129 39.4 9.8 14.8#

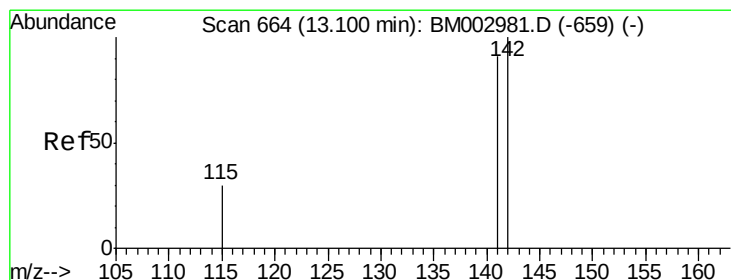
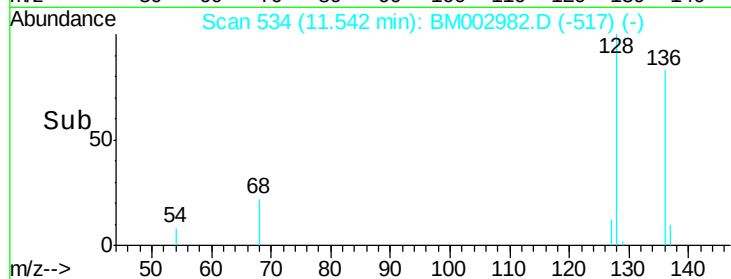
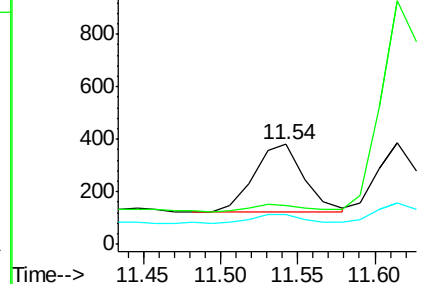
127 29.9 10.7 16.1#



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: BM002982.D

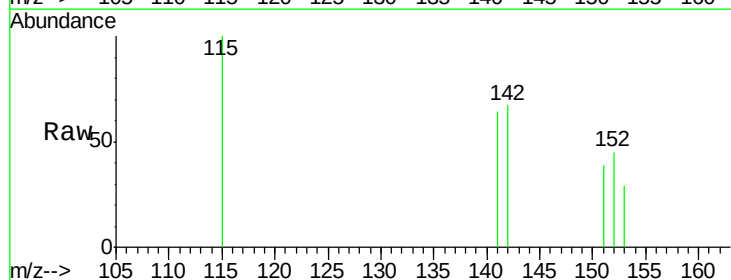
Acq: 22 Oct 2015 18:13

Tgt Ion:142 Resp: 561

Ion Ratio Lower Upper

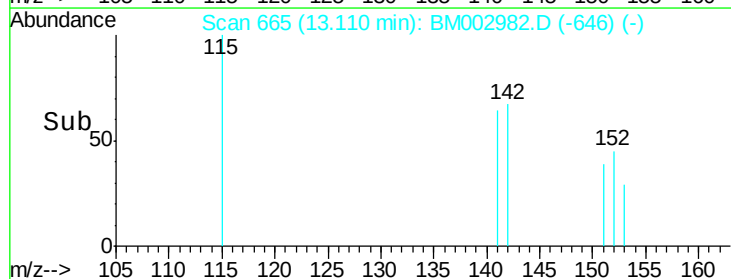
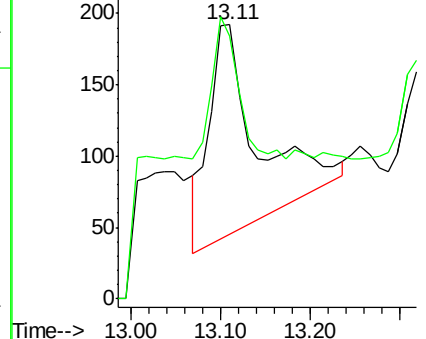
142 100

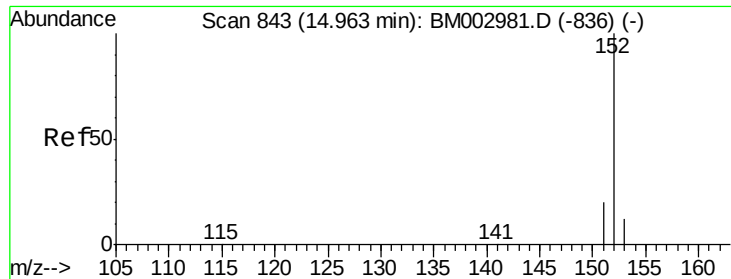
141 101.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.96 min Scan# 843

Delta R.T. -0.00 min

Lab File: BM002982.D

Acq: 22 Oct 2015 18:13

Instrument :

BNA_M

ClientSampleId :

JG9J5

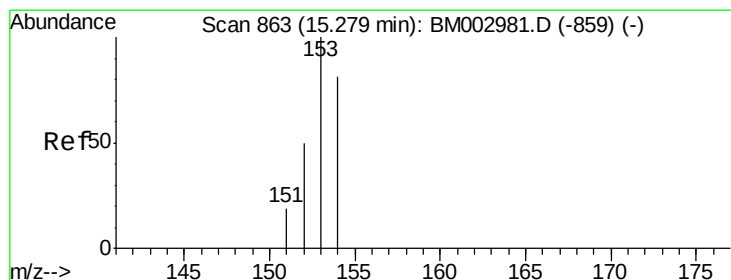
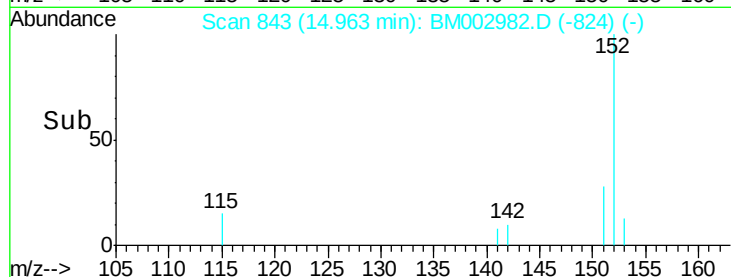
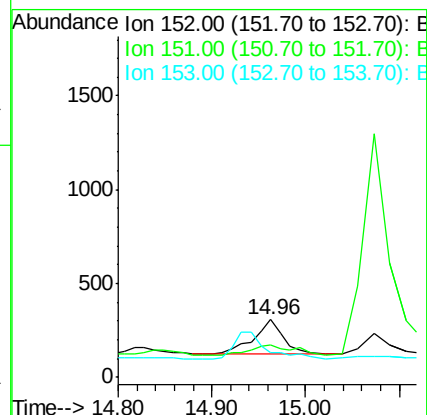
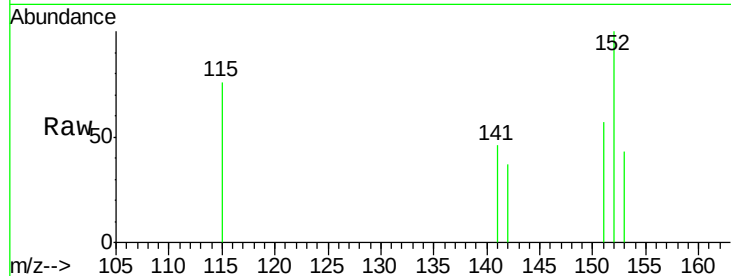
Tot Ion:152 Resp: 451

Ion Ratio Lower Upper

152 100

151 56.5 16.8 25.2#

153 43.1 11.3 16.9#



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 15.28 min Scan# 863

Delta R.T. -0.00 min

Lab File: BM002982.D

Acq: 22 Oct 2015 18:13

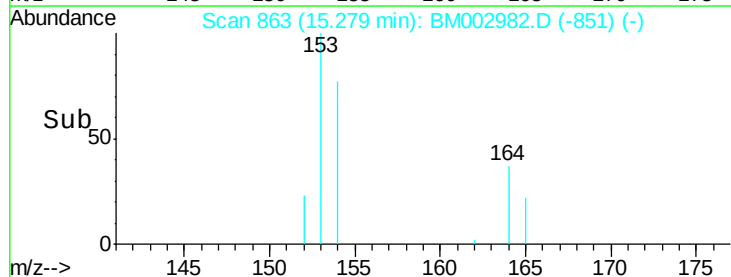
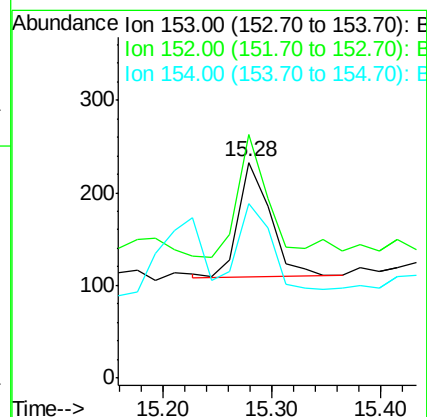
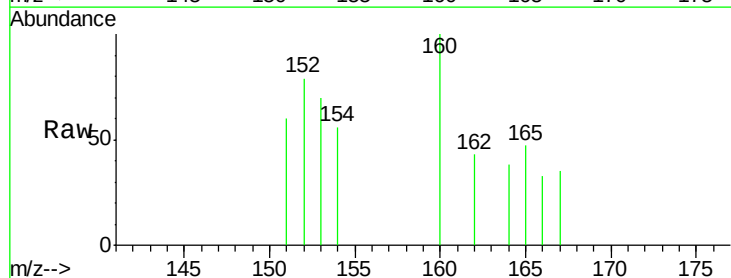
Tgt Ion:153 Resp: 249

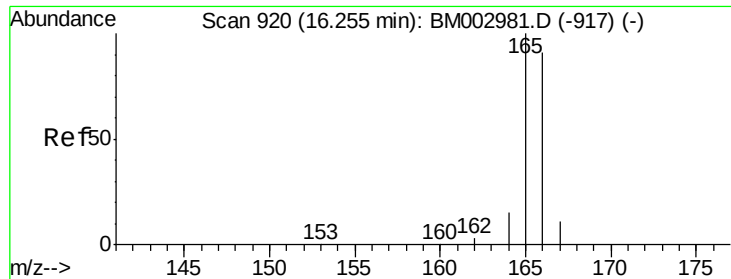
Ion Ratio Lower Upper

153 100

152 112.9 42.3 63.5#

154 81.1 64.7 97.1

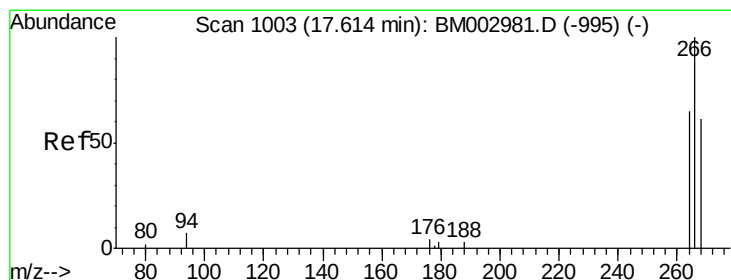
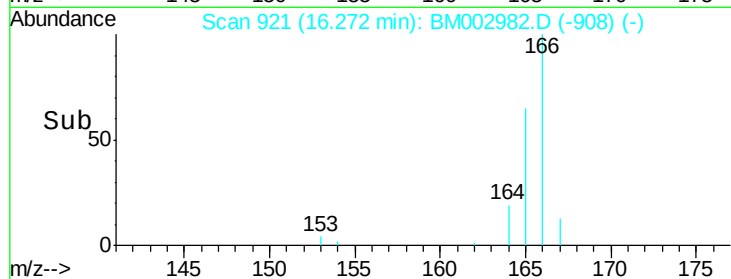
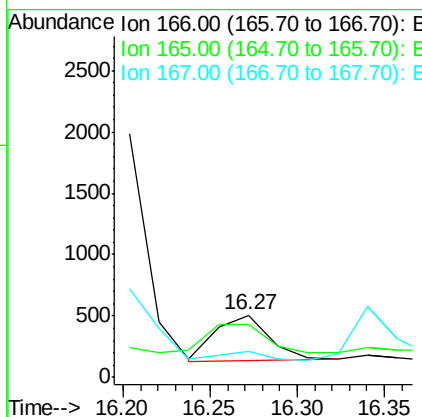
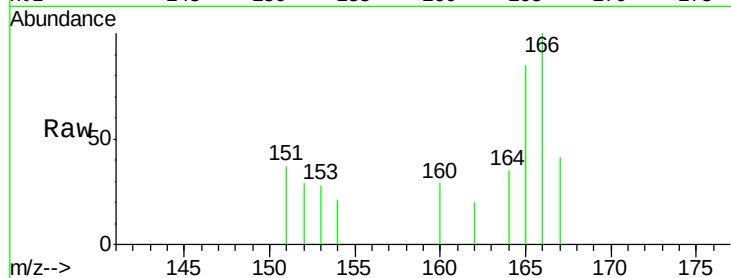




#11
 Fluorene
 Concen: 0.01 ng/ul
 RT: 16.27 min Scan# 921
 Delta R.T. 0.02 min
 Lab File: BM002982.D
 Acq: 22 Oct 2015 18:13

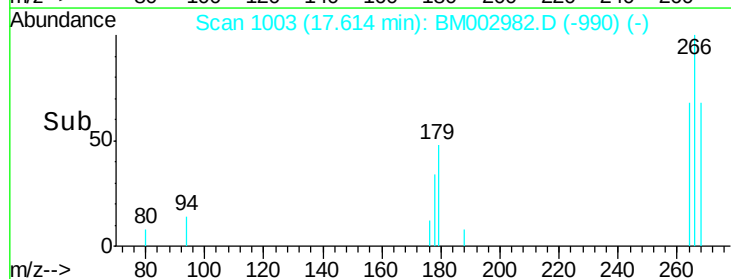
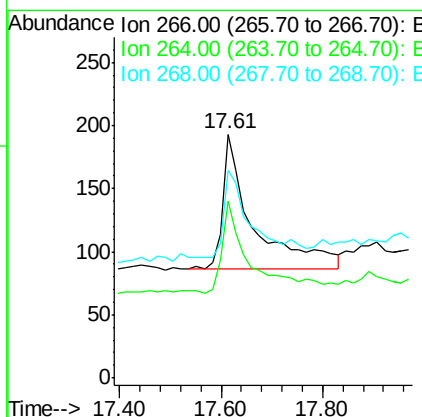
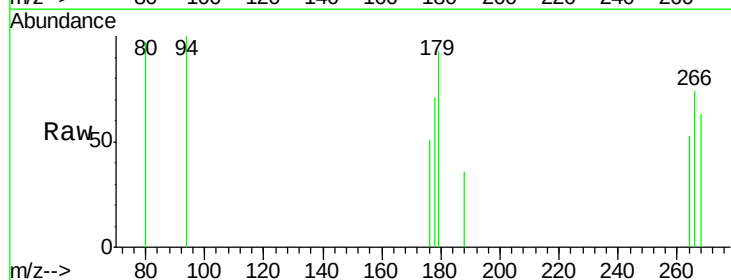
Instrument :
 BNA_M
 ClientSampleId :
 JG9J5

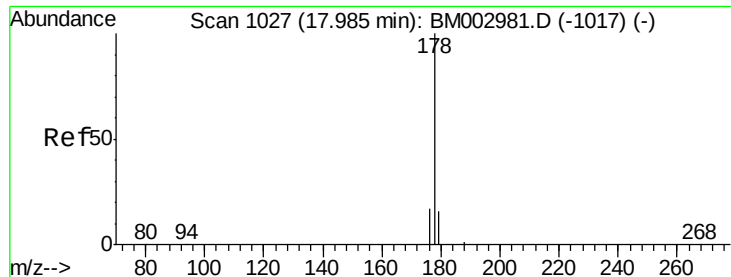
Tot Ion:166 Resp: 802
 Ion Ratio Lower Upper
 166 100
 165 84.7 87.6 131.4#
 167 41.5 11.1 16.7#



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 17.61 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: BM002982.D
 Acq: 22 Oct 2015 18:13

Tgt Ion:266 Resp: 458
 Ion Ratio Lower Upper
 266 100
 264 65.7 53.5 80.3
 268 57.4 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: BM002982.D

Acq: 22 Oct 2015 18:13

Instrument :

BNA_M

ClientSampleId :

JG9J5

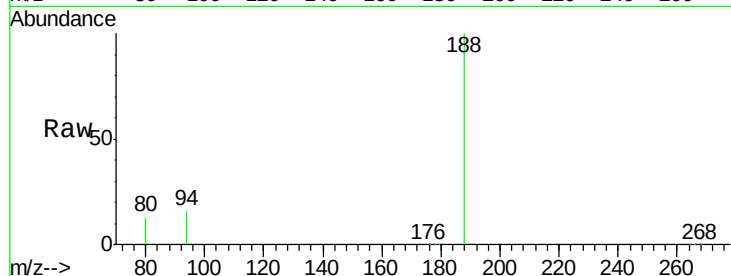
Tot Ion:178 Resp: 1199

Ion Ratio Lower Upper

178 100

176 25.4 16.2 24.4#

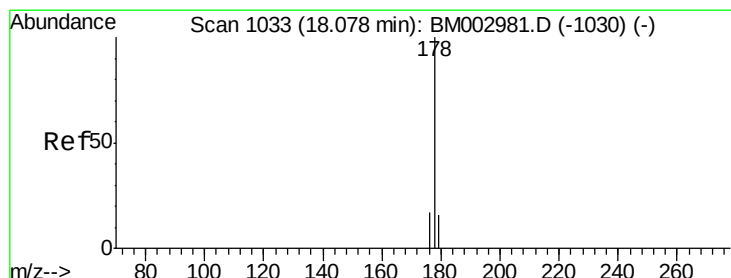
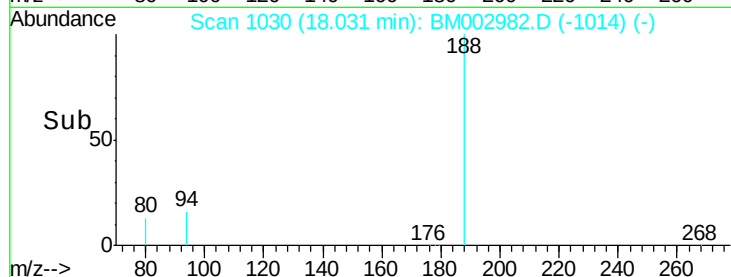
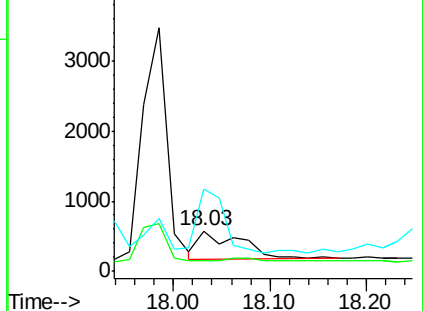
179 202.8 12.8 19.2#



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: 18.03 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BM002982.D

Acq: 22 Oct 2015 18:13

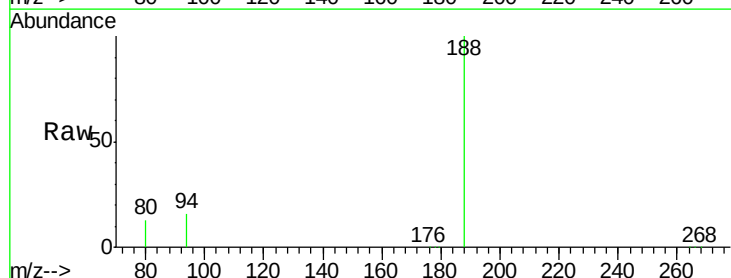
Tgt Ion:178 Resp: 1115

Ion Ratio Lower Upper

178 100

176 25.4 15.8 23.8#

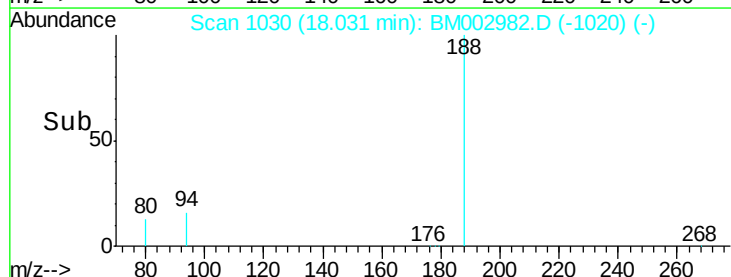
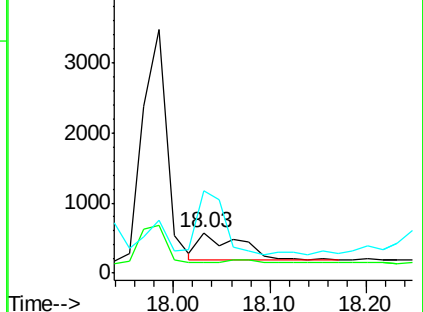
179 202.8 13.3 19.9#

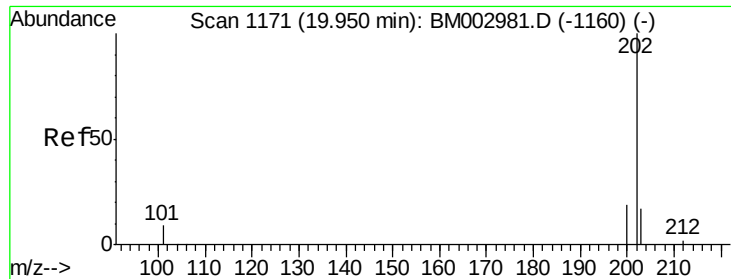


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

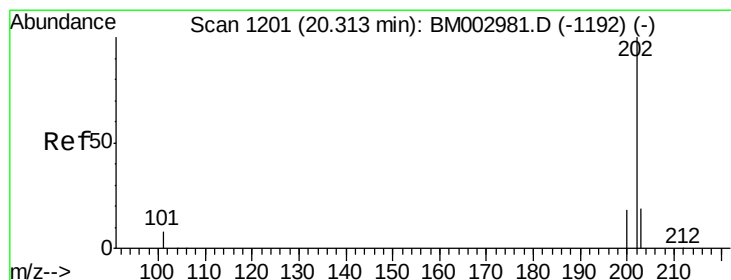
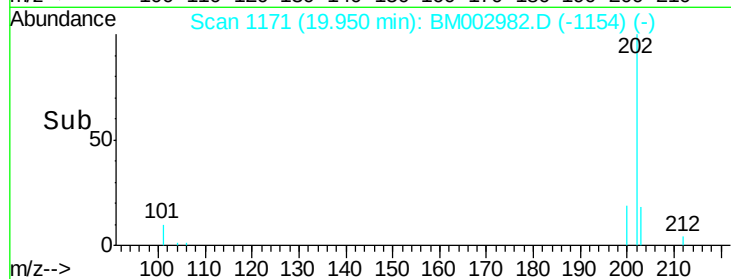
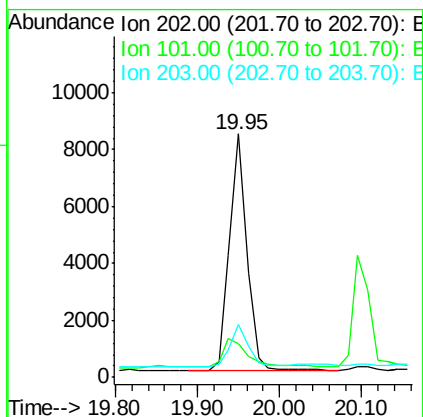
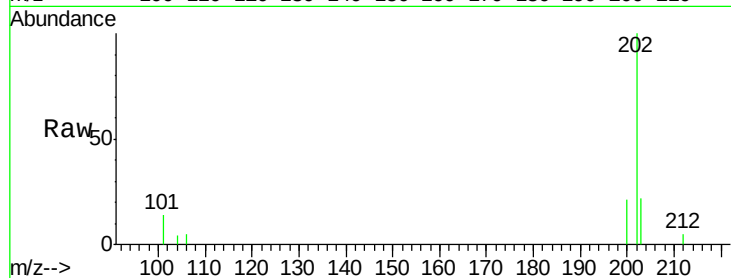




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.95 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BM002982.D
Acq: 22 Oct 2015 18:13

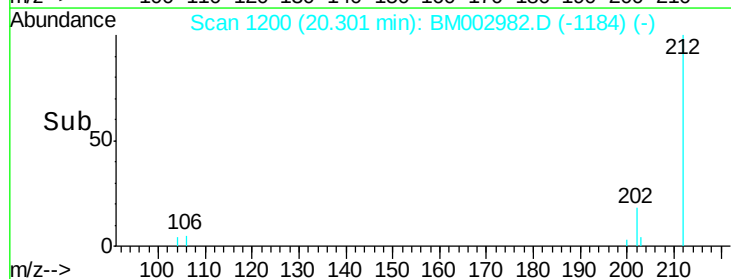
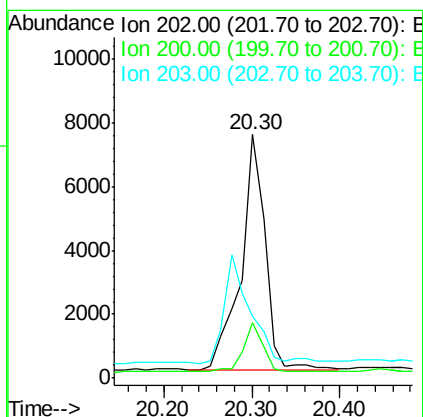
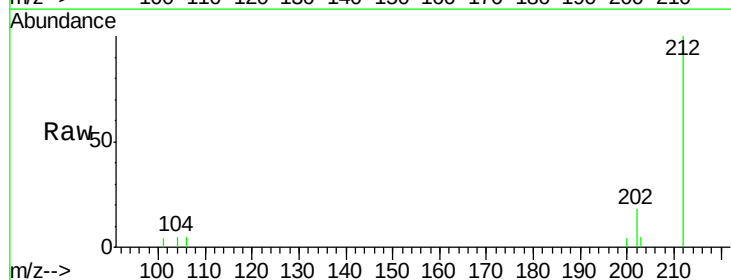
Instrument :
BNA_M
ClientSampleId :
JG9J5

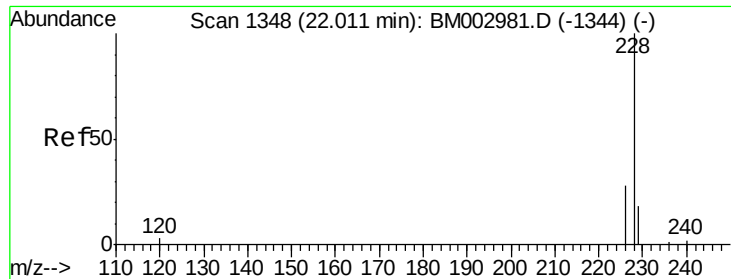
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.1
203	21.6	0.0	37.2



#19
Pyrene
Concen: 0.14 ng/ul
RT: 20.30 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BM002982.D
Acq: 22 Oct 2015 18:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.9	18.0	27.0
203	25.4	13.8	20.6





#20

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 22.01 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM002982.D

Acq: 22 Oct 2015 18:13

Instrument :

BNA_M

ClientSampleId :

JG9J5

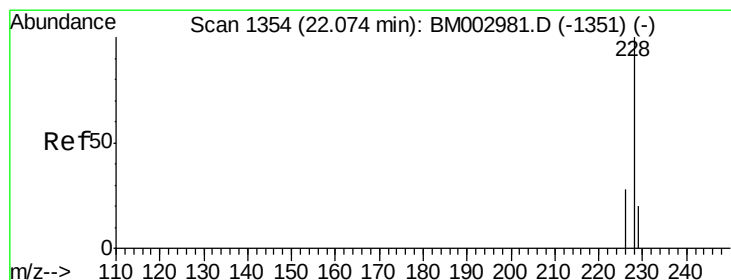
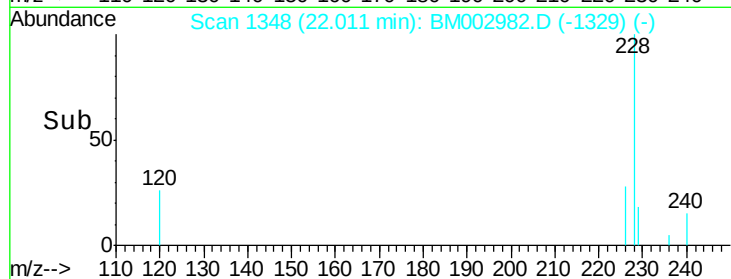
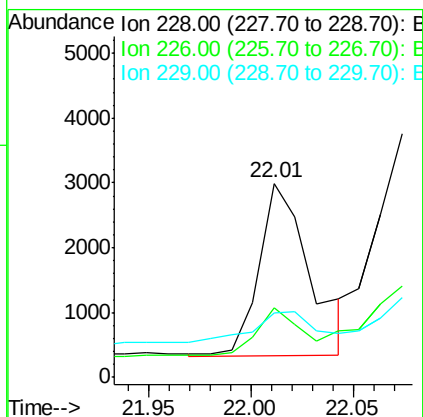
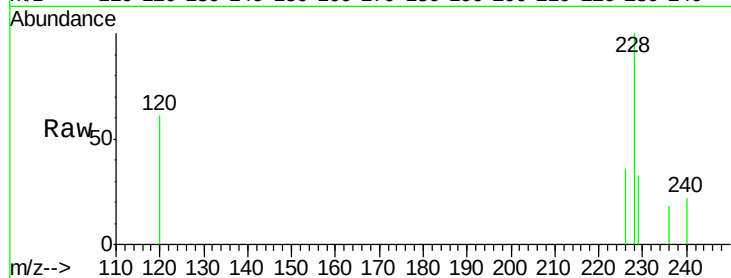
Tot Ion:228 Resp: 4656

Ion Ratio Lower Upper

228 100

226 35.9 23.0 34.4#

229 33.4 15.2 22.8#



#21

Chrysene

Concen: 0.06 ng/ul

RT: 22.07 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BM002982.D

Acq: 22 Oct 2015 18:13

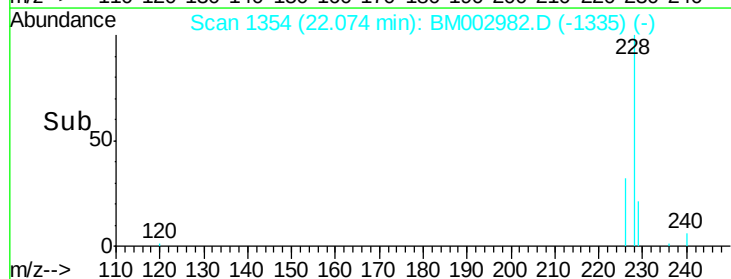
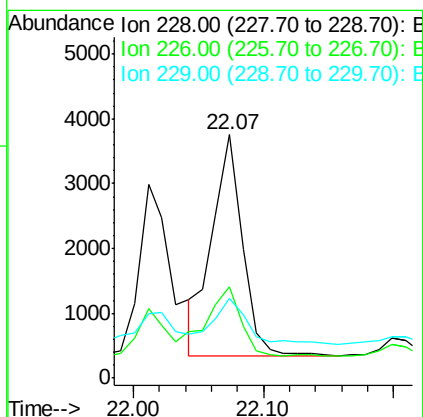
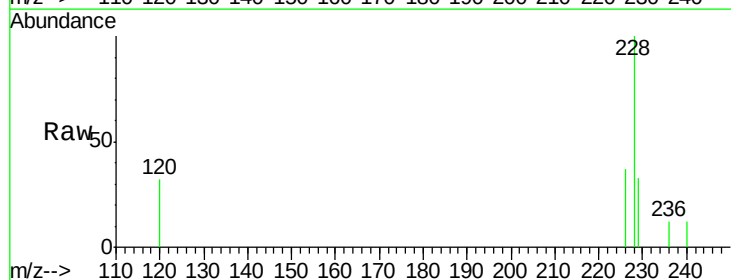
Tgt Ion:228 Resp: 5487

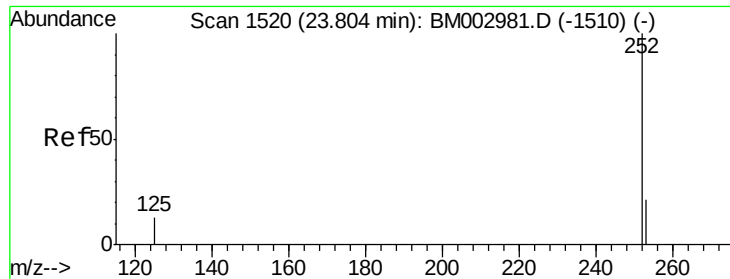
Ion Ratio Lower Upper

228 100

226 37.3 25.7 38.5

229 33.0 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.11 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BM002982.D

Acq: 22 Oct 2015 18:13

Instrument :

BNA_M

ClientSampleId :

JG9J5

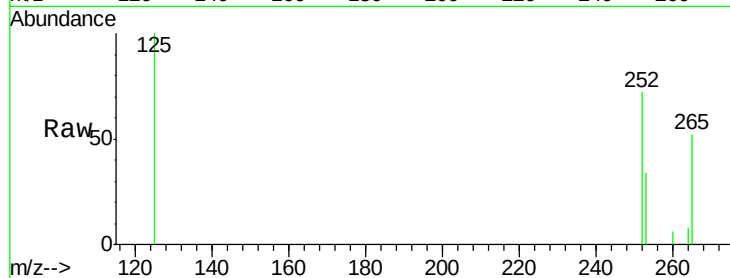
Tot Ion:252 Resp: 9664

Ion Ratio Lower Upper

252 100

253 47.0 0.0 48.0

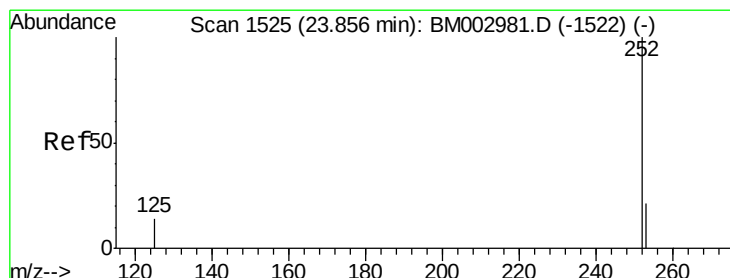
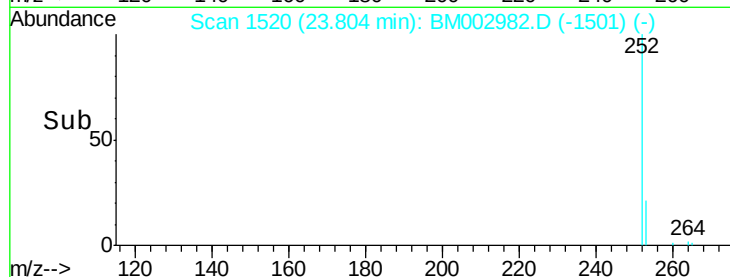
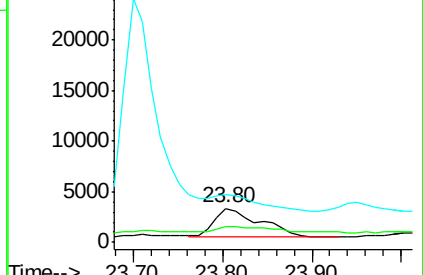
125 139.7 0.0 36.6#



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: 0.12 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. -0.05 min

Lab File: BM002982.D

Acq: 22 Oct 2015 18:13

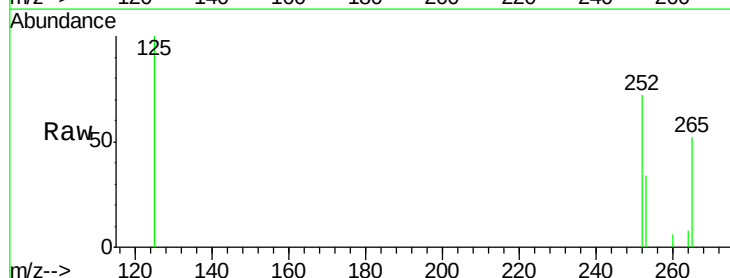
Tgt Ion:252 Resp: 9664

Ion Ratio Lower Upper

252 100

253 47.0 20.8 31.2#

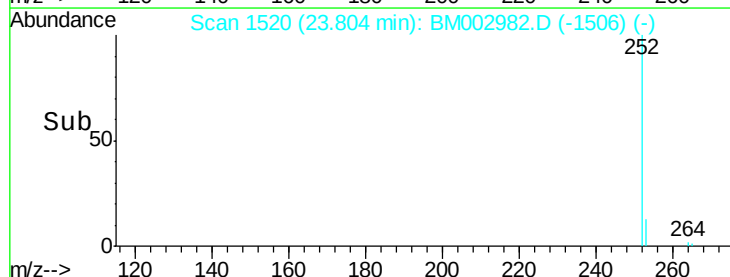
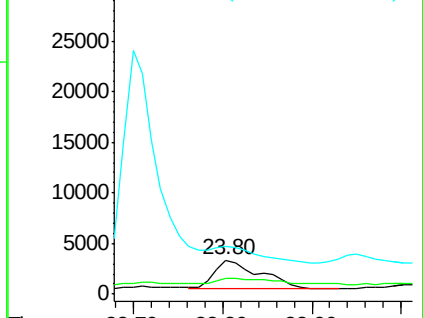
125 139.7 12.2 18.4#

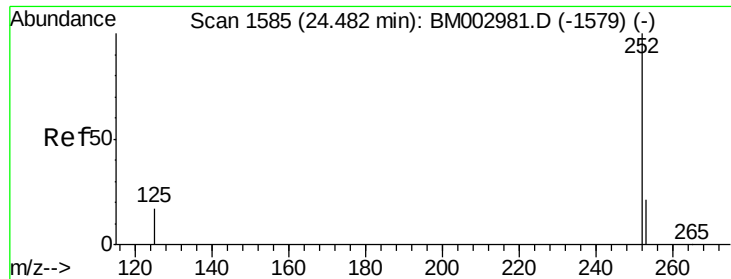


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 24.48 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BM002982.D

Acq: 22 Oct 2015 18:13

Instrument :

BNA_M

ClientSampleId :

JG9J5

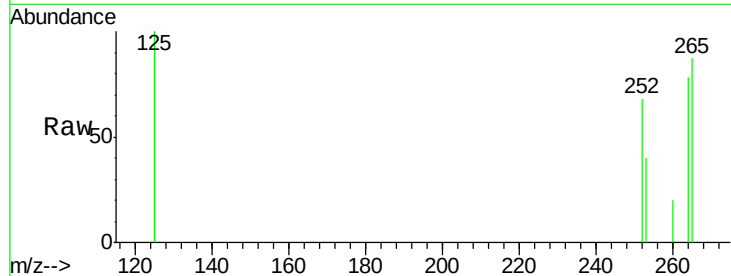
Tot Ion:252 Resp: 4199

Ion Ratio Lower Upper

252 100

253 59.5 21.8 32.8#

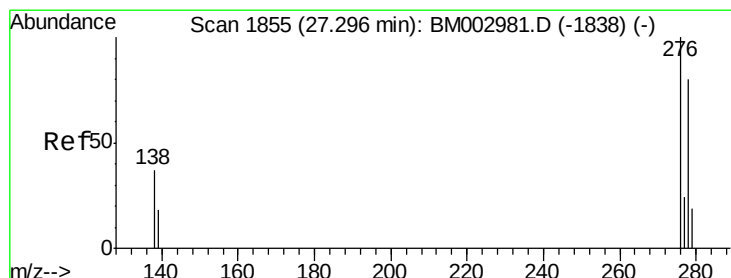
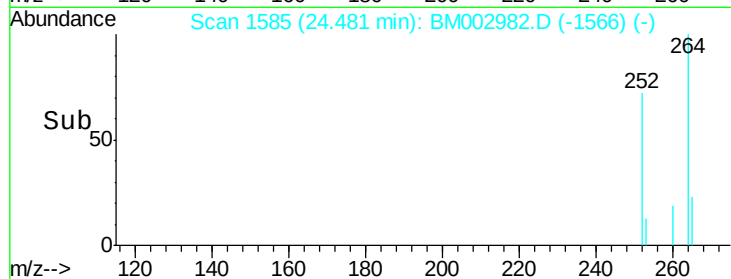
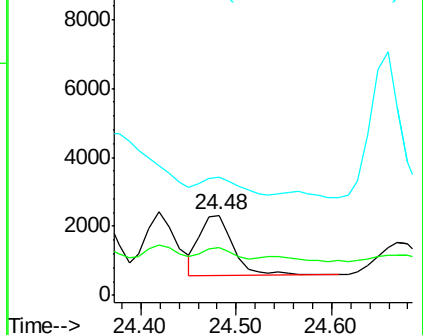
125 148.0 14.5 21.7#



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: 27.32 min Scan# 1857

Delta R.T. 0.02 min

Lab File: BM002982.D

Acq: 22 Oct 2015 18:13

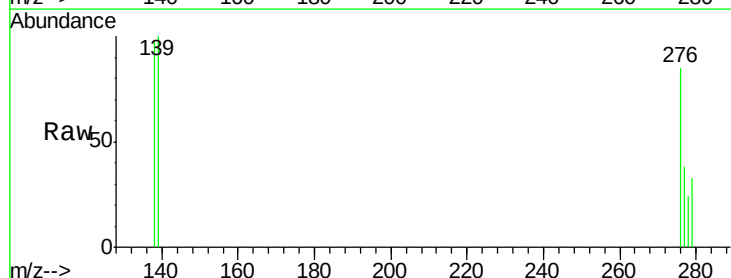
Tgt Ion:276 Resp: 3543

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

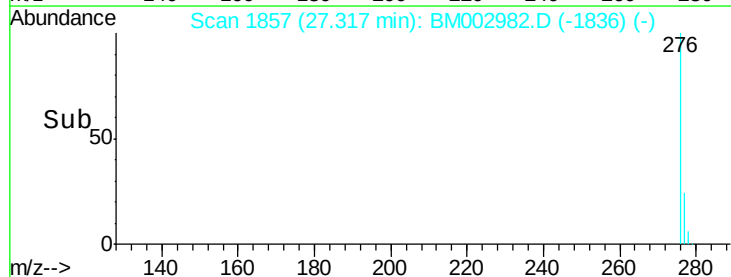
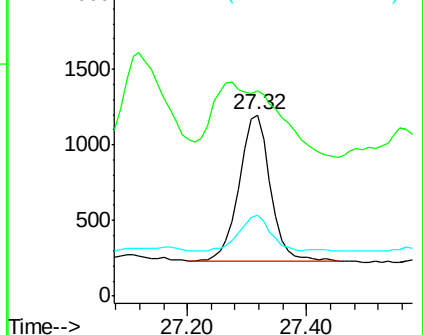
277 24.5 19.3 28.9

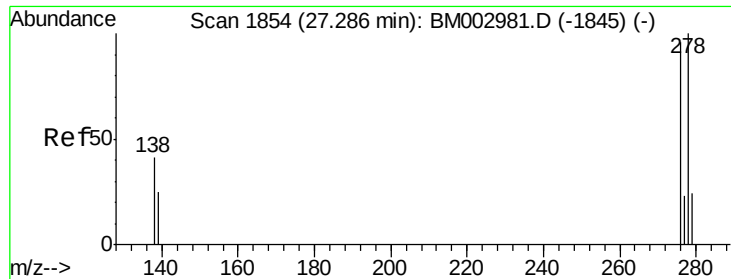


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 27.30 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BM002982.D

Acq: 22 Oct 2015 18:13

Instrument :

BNA_M

ClientSampleId :

JG9J5

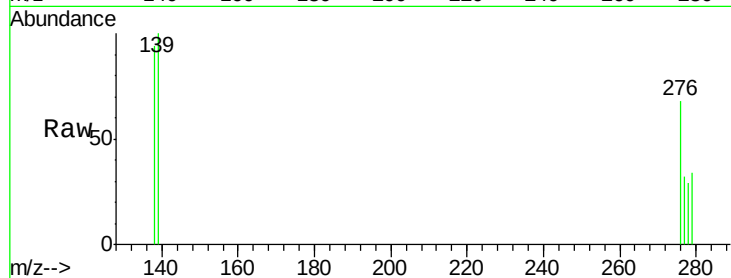
Tot Ion:278 Resp: 918

Ion Ratio Lower Upper

278 100

139 342.1 21.7 32.5#

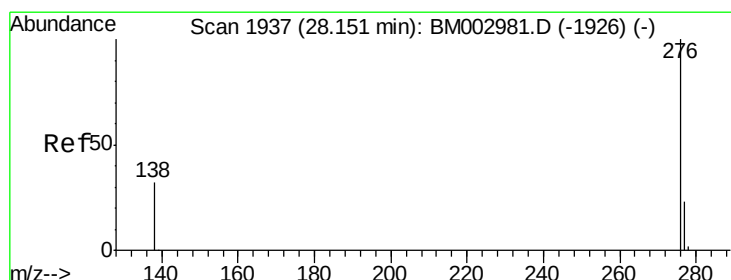
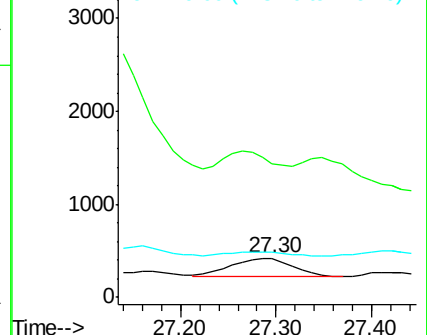
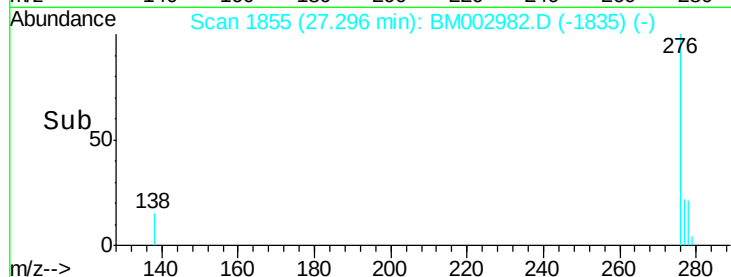
279 115.5 21.9 32.9#



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: 28.16 min Scan# 1938

Delta R.T. 0.01 min

Lab File: BM002982.D

Acq: 22 Oct 2015 18:13

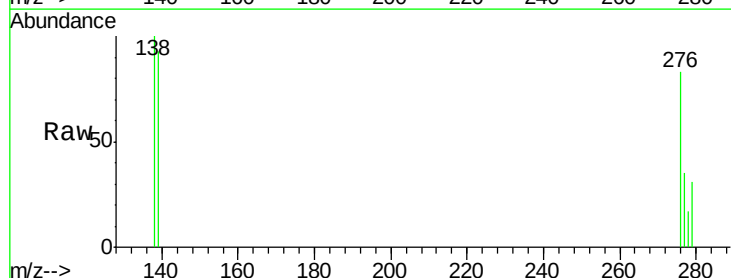
Tgt Ion:276 Resp: 5447

Ion Ratio Lower Upper

276 100

277 42.5 21.3 31.9#

138 120.4 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

