

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002984.D
 Acq On : 22 Oct 2015 19:25
 Operator : UM/IZ
 Sample : G4074-22MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9J5MSD

Quant Time: Oct 23 02:01:12 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

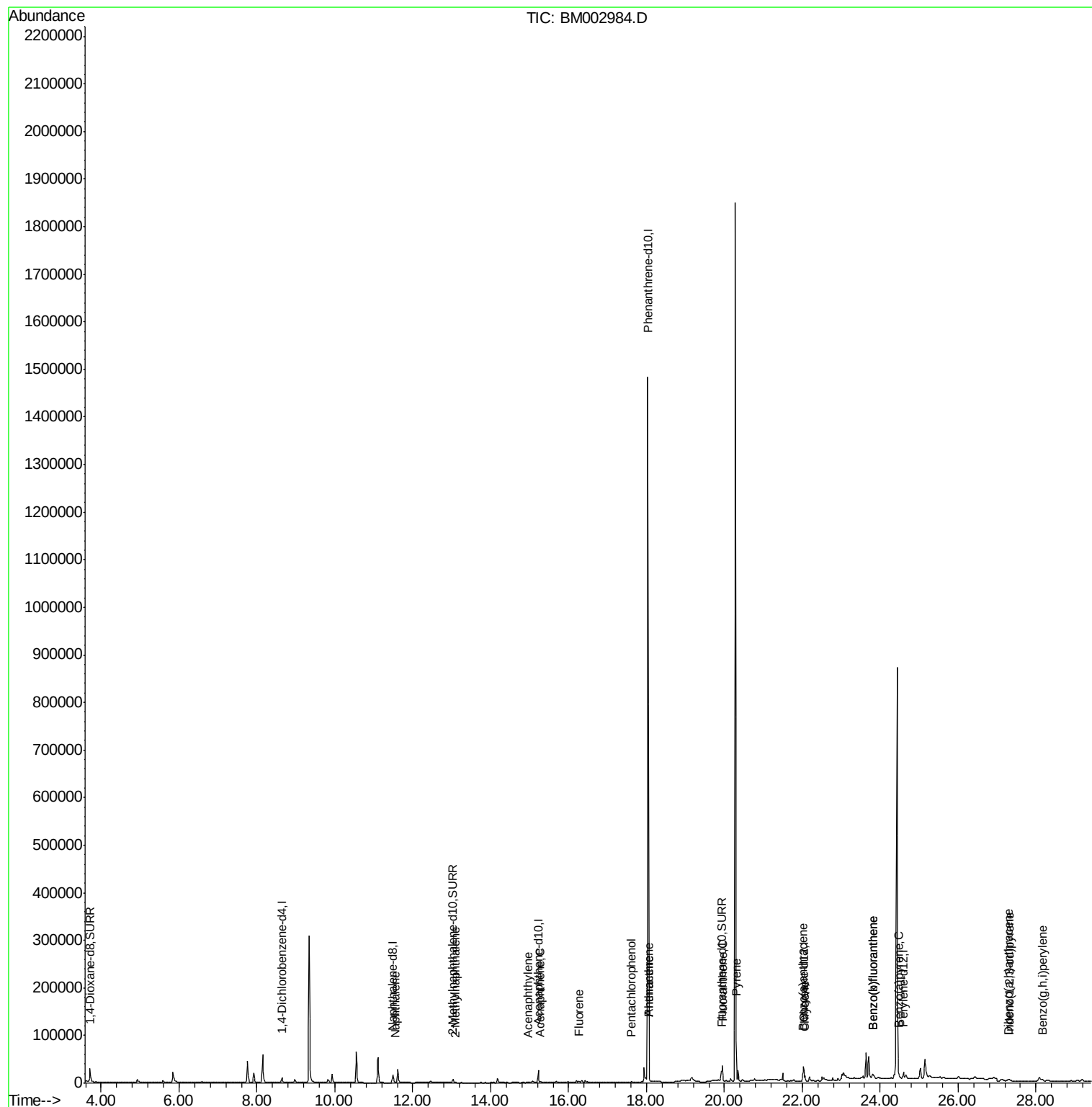
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	6311	0.40	ng/ul	0.00
4) Naphthalene-d8	11.48	136	27646	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	15837	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1904201	0.40	ng/ul	0.09
18) Chrysene-d12	22.03	240	27847	0.40	ng/ul	0.00
22) Perylene-d12	24.60	264	22794	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	22877	3.39	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.03	152	11380	0.25	ng/ul	-0.01
16) Fluoranthene-d10	19.93	212	24410	0.00	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.54	128	736	0.01	ng/ul#	48
7) 2-Methylnaphthalene	13.10	142	709	0.01	ng/ul	89
9) Acenaphthylene	14.96	152	554	0.01	ng/ul#	22
10) Acenaphthene	15.28	153	845	0.01	ng/ul#	69
11) Fluorene	16.25	166	3004	0.04	ng/ul#	73
13) Pentachlorophenol	17.61	266	1606	0.01	ng/ul	96
14) Phenanthrene	18.06	178	2244	0.00	ng/ul#	27
15) Anthracene	18.06	178	2089	0.00	ng/ul#	27
17) Fluoranthene	19.95	202	30605	0.00	ng/ul	94
19) Pyrene	20.30	202	29527	0.29	ng/ul#	95
20) Benzo(a)anthracene	22.01	228	12305	0.13	ng/ul#	91
21) Chrysene	22.07	228	12059	0.13	ng/ul#	88
23) Benzo(b)fluoranthene	23.80	252	19615	0.24	ng/ul#	1
24) Benzo(k)fluoranthene	23.80	252	19615	0.25	ng/ul#	1
25) Benzo(a)pyrene	24.47	252	9046	0.12	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.31	276	6415	0.08	ng/ul#	63
27) Dibenzo(a,h)anthracene	27.30	278	1707	0.03	ng/ul#	1
28) Benzo(a,h,i)perylene	28.16	276	9688	0.14	ng/ul#	15

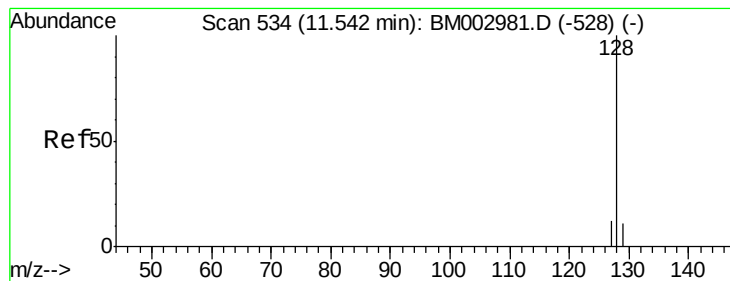
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM002984.D

Acq: 22 Oct 2015 19:25

Instrument :

BNA_M

ClientSampleId :

JG9J5MSD

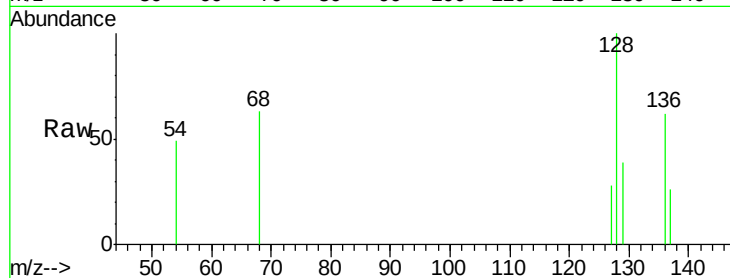
Tot Ion:128 Resp: 736

Ion Ratio Lower Upper

128 100

129 38.9 9.8 14.8#

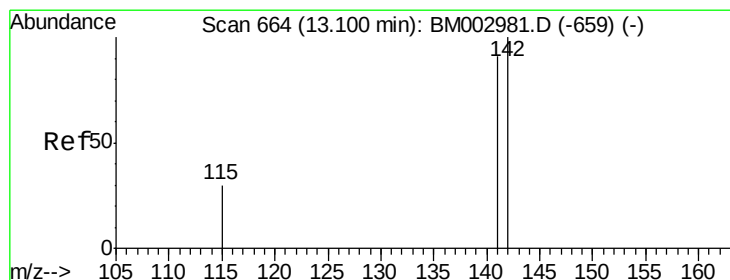
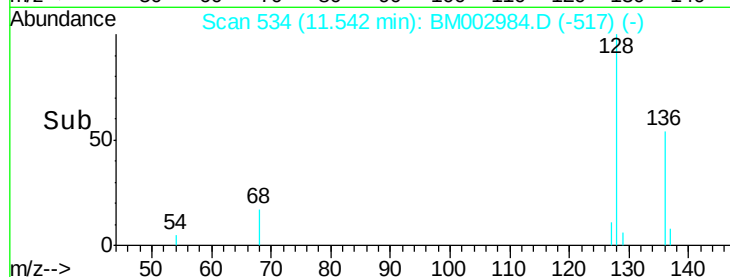
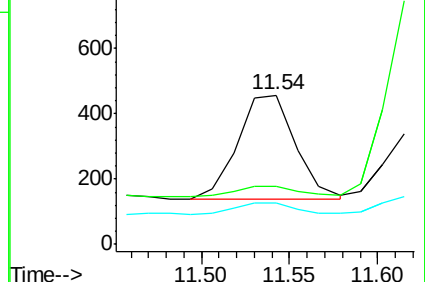
127 28.2 10.7 16.1#



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: 13.10 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM002984.D

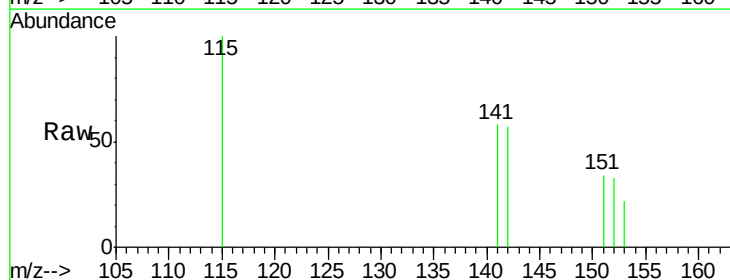
Acq: 22 Oct 2015 19:25

Tgt Ion:142 Resp: 709

Ion Ratio Lower Upper

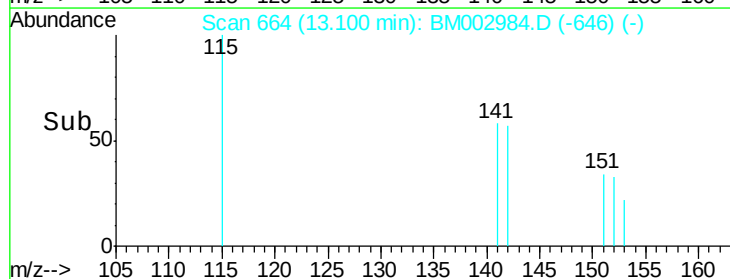
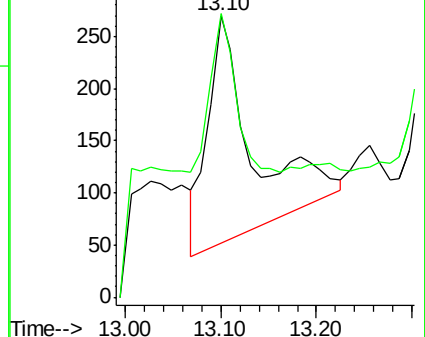
142 100

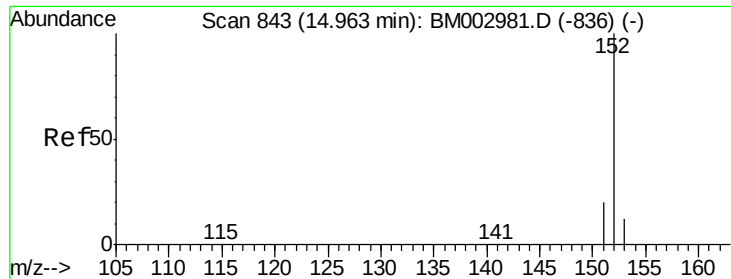
141 98.2 70.3 105.5



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: BM002984.D

Acq: 22 Oct 2015 19:25

Instrument :

BNA_M

ClientSampleId :

JG9J5MSD

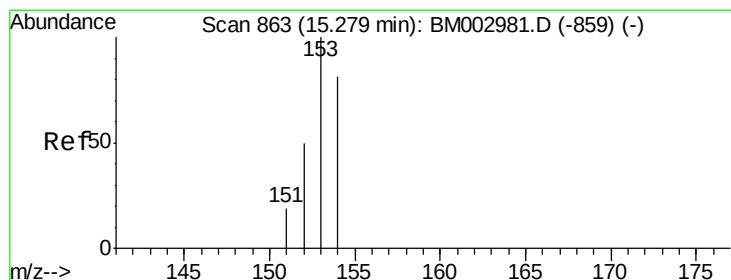
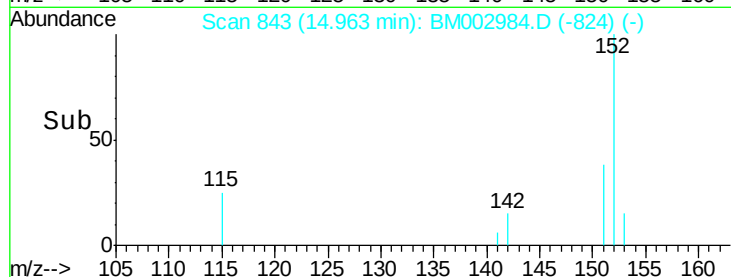
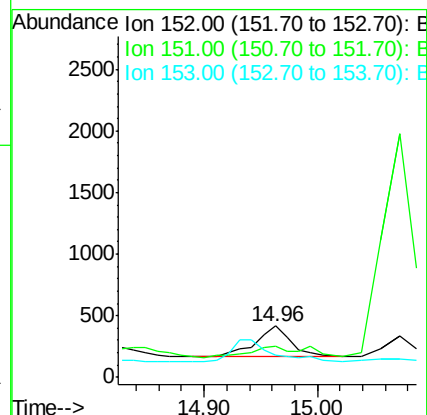
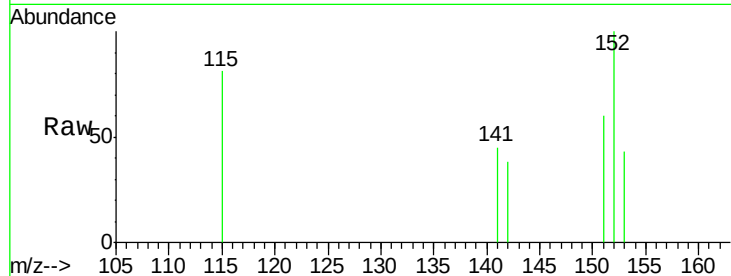
Tot Ion:152 Resp: 554

Ion Ratio Lower Upper

152 100

151 59.8 16.8 25.2#

153 42.7 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: BM002984.D

Acq: 22 Oct 2015 19:25

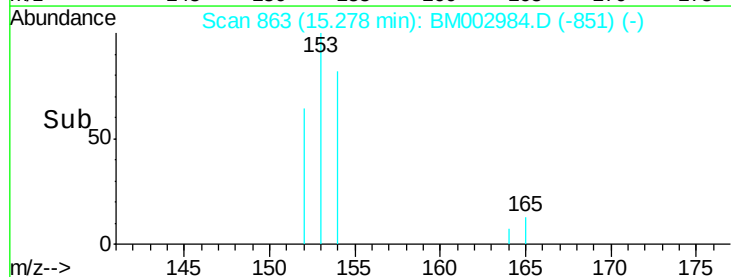
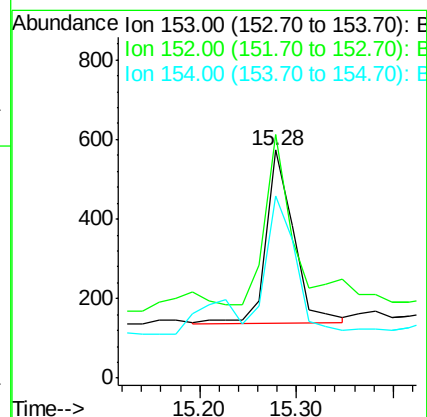
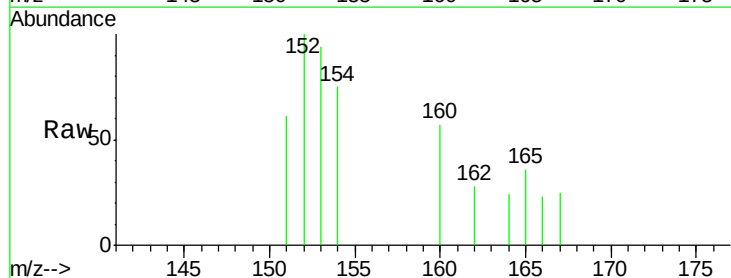
Tgt Ion:153 Resp: 845

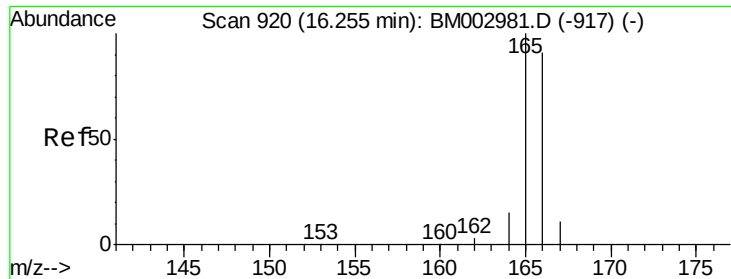
Ion Ratio Lower Upper

153 100

152 106.8 42.3 63.5#

154 80.1 64.7 97.1

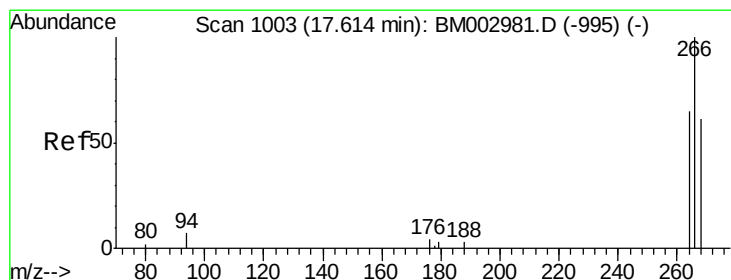
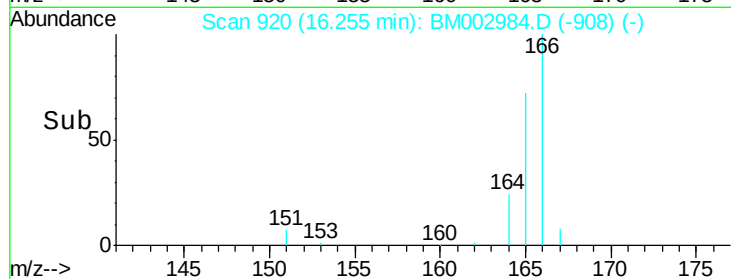
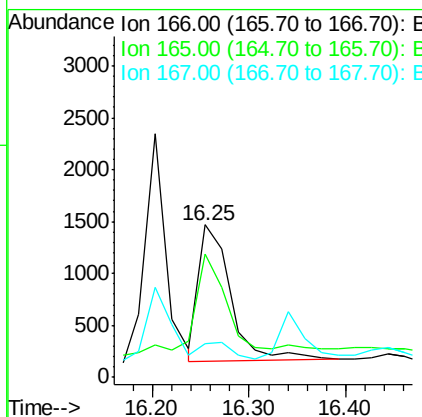
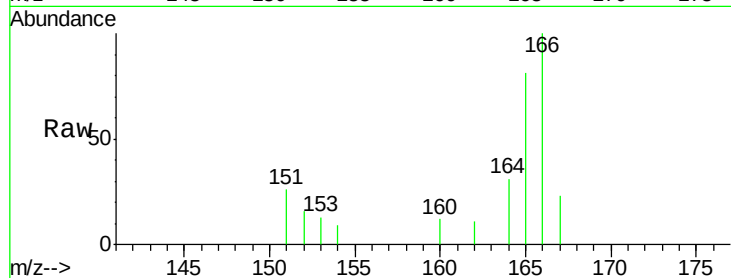




#11
Fluorene
 Concen: 0.04 ng/ul
 RT: 16.25 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BM002984.D
 Acq: 22 Oct 2015 19:25

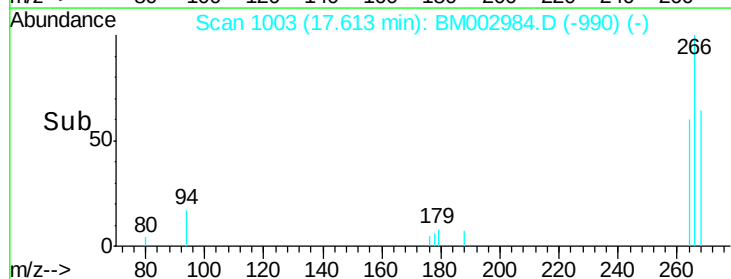
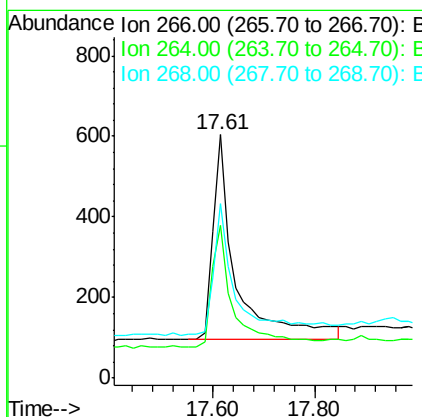
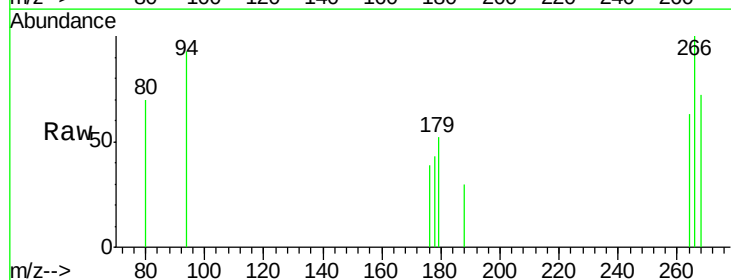
Instrument :
 BNA_M
 ClientSampleId :
 JG9J5MSD

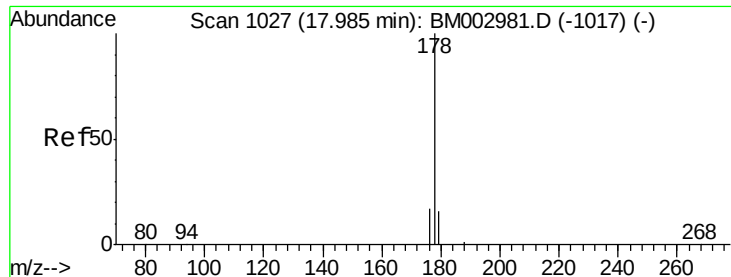
Tot Ion:166 Resp: 3004
 Ion Ratio Lower Upper
 166 100
 165 80.7 87.6 131.4#
 167 22.6 11.1 16.7#



#13
Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 17.61 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: BM002984.D
 Acq: 22 Oct 2015 19:25

Tgt Ion:266 Resp: 1606
 Ion Ratio Lower Upper
 266 100
 264 60.6 53.5 80.3
 268 68.6 54.2 81.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 18.06 min Scan# 1032

Delta R.T. 0.08 min

Lab File: BM002984.D

Acq: 22 Oct 2015 19:25

Instrument :

BNA_M

ClientSampleId :

JG9J5MSD

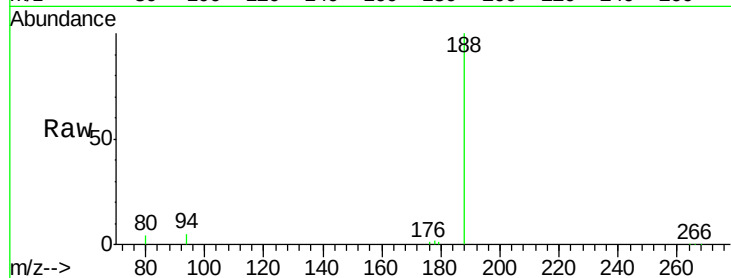
Tot Ion:178 Resp: 2244

Ion Ratio Lower Upper

178 100

176 42.6 16.2 24.4#

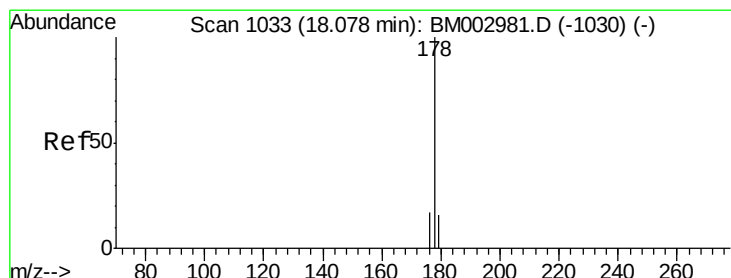
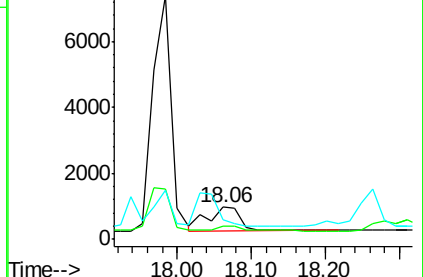
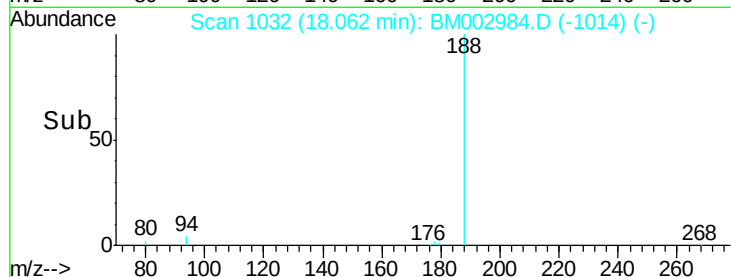
179 60.2 12.8 19.2#



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: 18.06 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BM002984.D

Acq: 22 Oct 2015 19:25

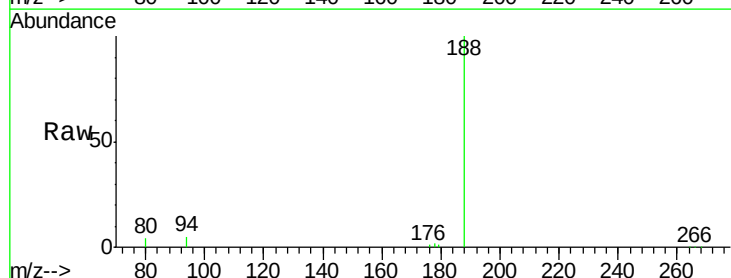
Tgt Ion:178 Resp: 2089

Ion Ratio Lower Upper

178 100

176 42.6 15.8 23.8#

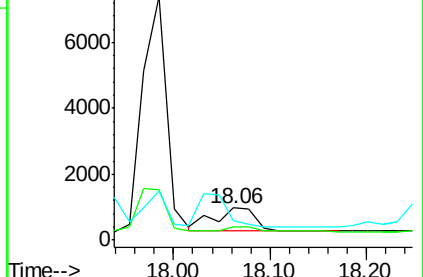
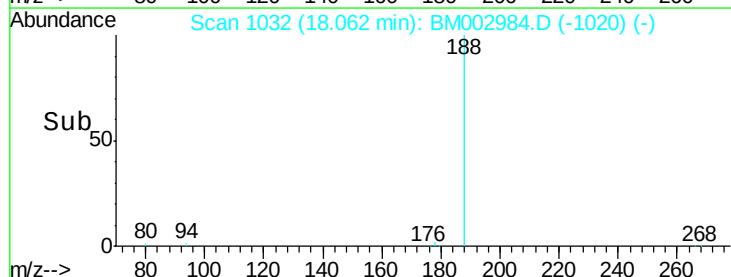
179 60.2 13.3 19.9#

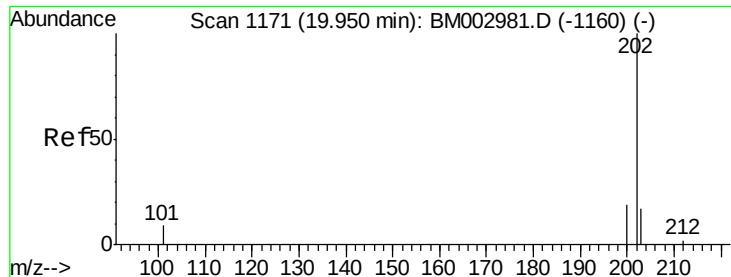


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

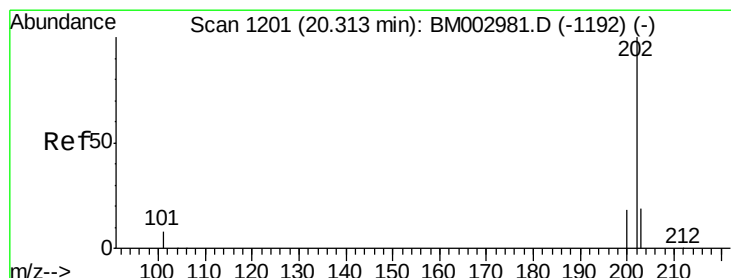
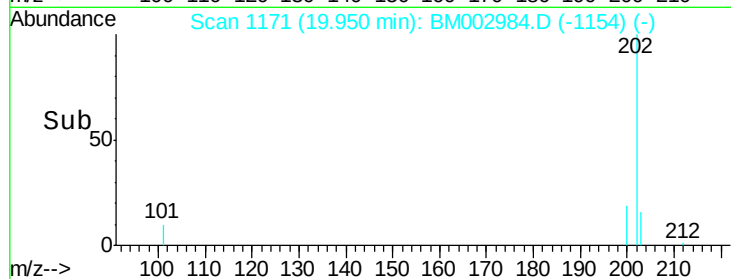
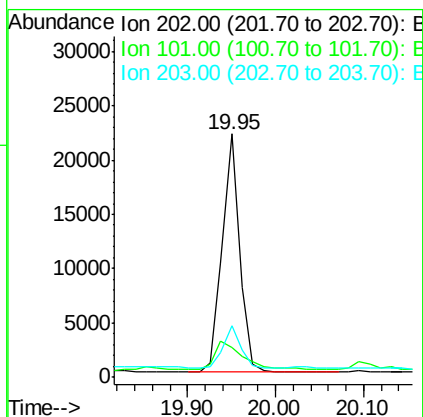
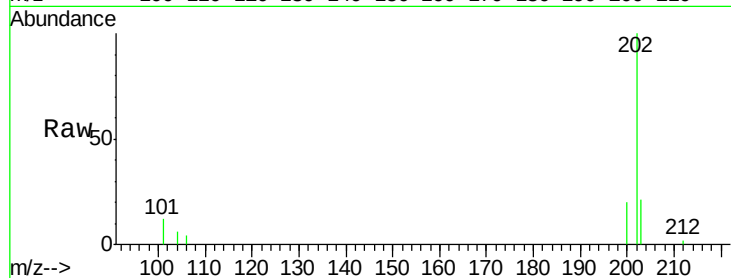




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.95 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: BM002984.D
 Acq: 22 Oct 2015 19:25

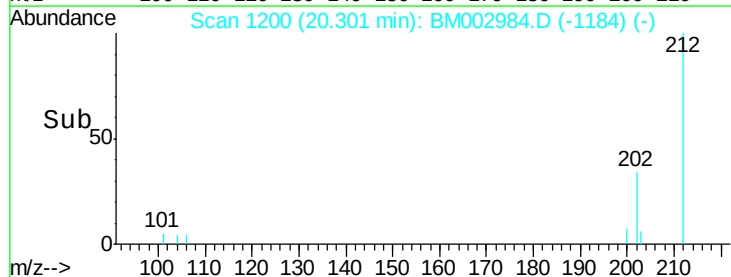
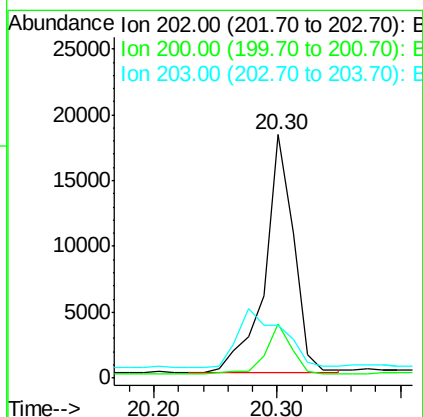
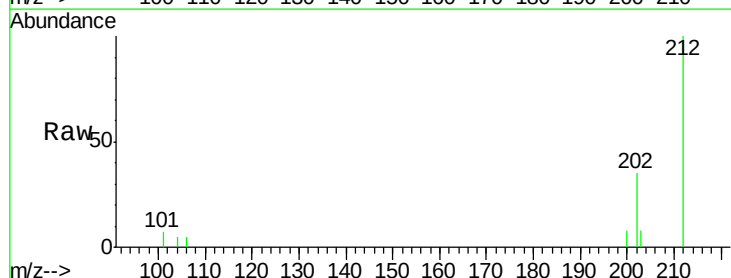
Instrument :
 BNA_M
 ClientSampleId :
 JG9J5MSD

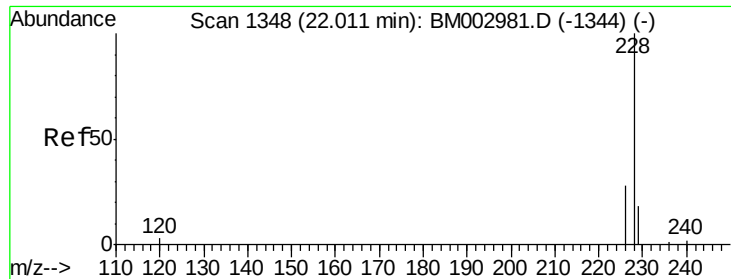
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.1
203	21.0	0.0	37.2



#19
Pyrene
 Concen: 0.29 ng/ul
 RT: 20.30 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BM002984.D
 Acq: 22 Oct 2015 19:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.0	27.0
203	21.8	13.8	20.6





#20

Benzo(a)anthracene

Concen: 0.13 ng/ul

RT: 22.01 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM002984.D

Acq: 22 Oct 2015 19:25

Instrument :

BNA_M

ClientSampleId :

JG9J5MSD

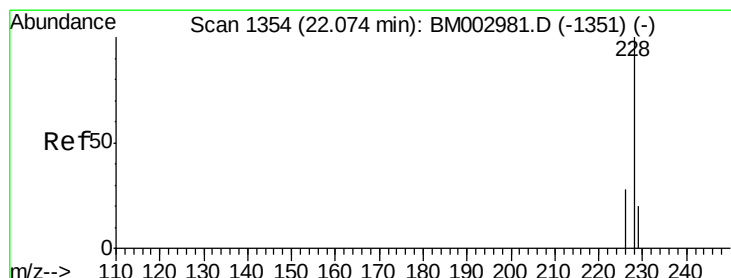
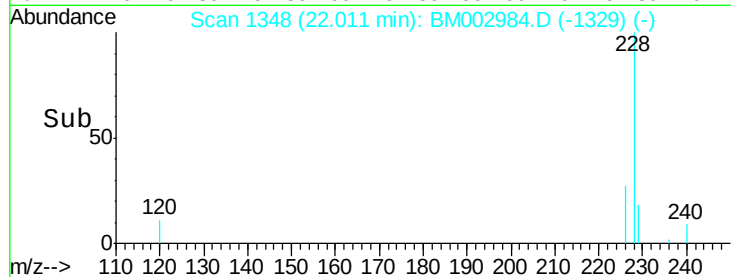
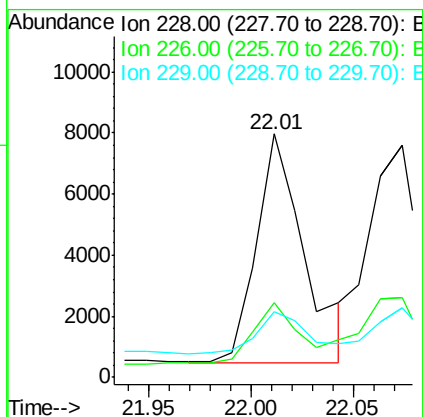
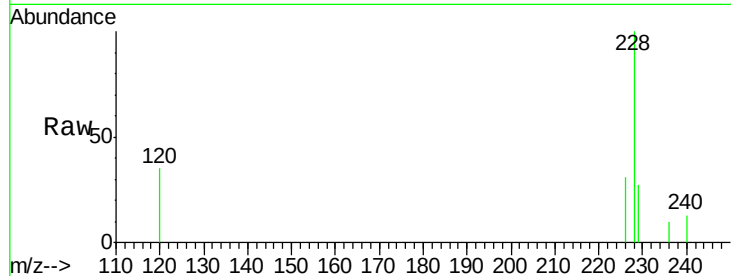
Tot Ion:228 Resp: 12305

Ion Ratio Lower Upper

228 100

226 30.8 23.0 34.4

229 26.9 15.2 22.8#



#21

Chrysene

Concen: 0.13 ng/ul

RT: 22.07 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BM002984.D

Acq: 22 Oct 2015 19:25

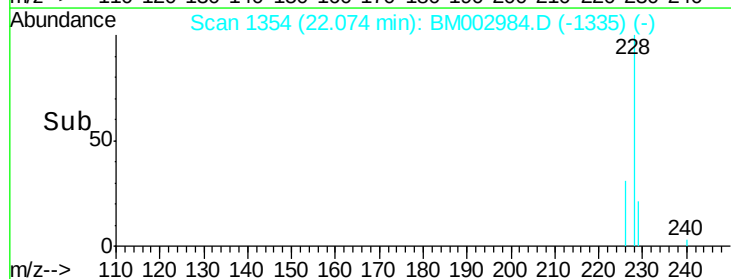
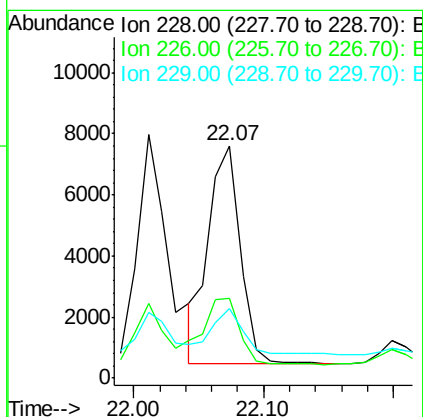
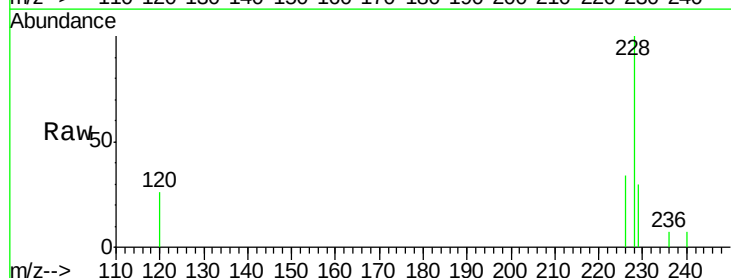
Tgt Ion:228 Resp: 12059

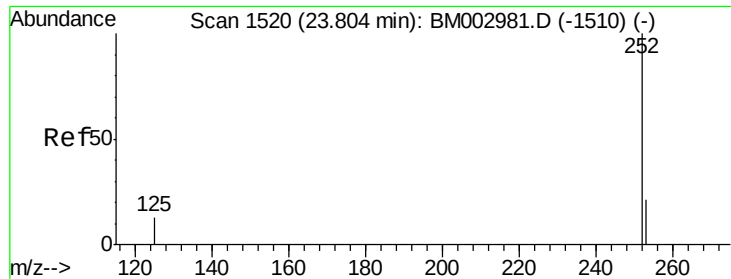
Ion Ratio Lower Upper

228 100

226 34.5 25.7 38.5

229 30.1 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.24 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BM002984.D

Acq: 22 Oct 2015 19:25

Instrument :

BNA_M

ClientSampleId :

JG9J5MSD

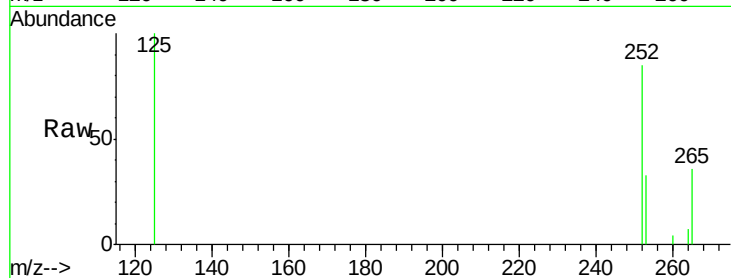
Tot Ion:252 Resp: 19615

Ion Ratio Lower Upper

252 100

253 39.6 0.0 48.0

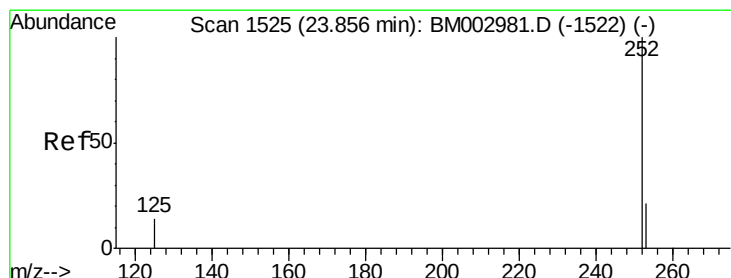
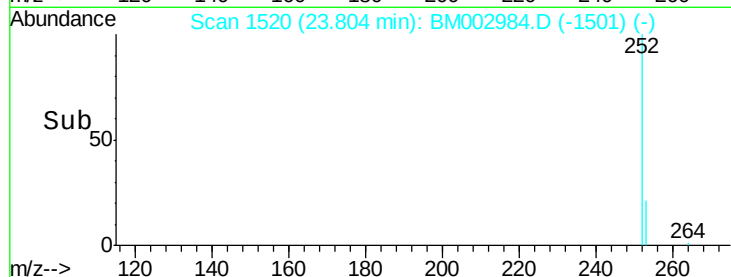
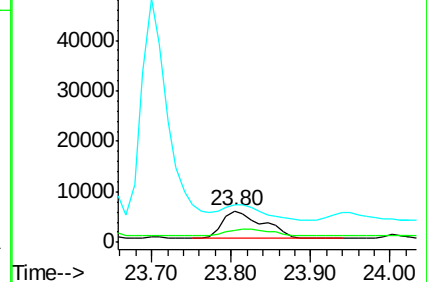
125 118.3 0.0 36.6#



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: 0.25 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. -0.05 min

Lab File: BM002984.D

Acq: 22 Oct 2015 19:25

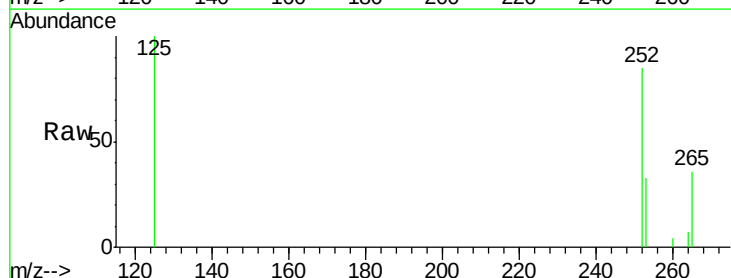
Tgt Ion:252 Resp: 19615

Ion Ratio Lower Upper

252 100

253 39.6 20.8 31.2#

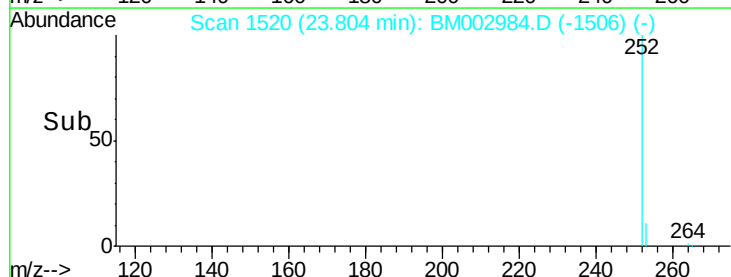
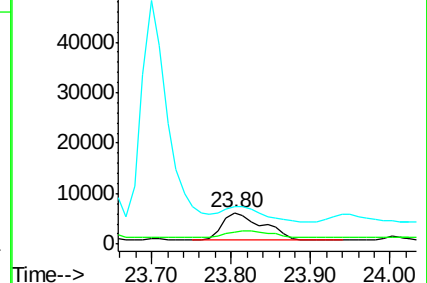
125 118.3 12.2 18.4#

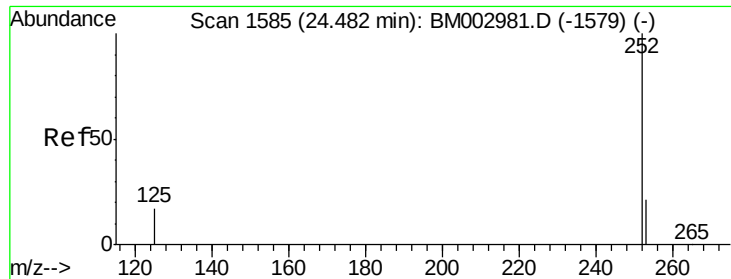


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.12 ng/ul

RT: 24.47 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BM002984.D

Acq: 22 Oct 2015 19:25

Instrument :

BNA_M

ClientSampleId :

JG9J5MSD

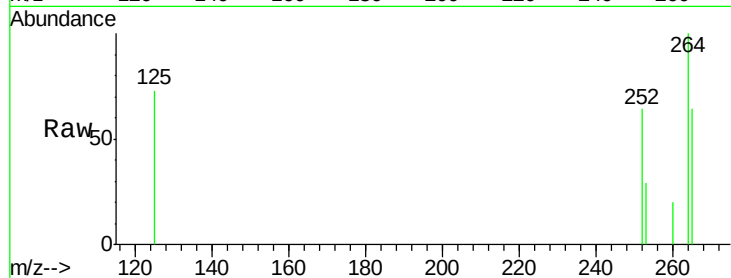
Tot Ion:252 Resp: 9046

Ion Ratio Lower Upper

252 100

253 45.5 21.8 32.8#

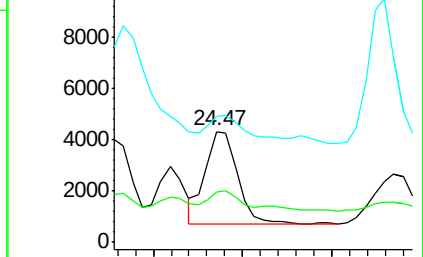
125 113.4 14.5 21.7#



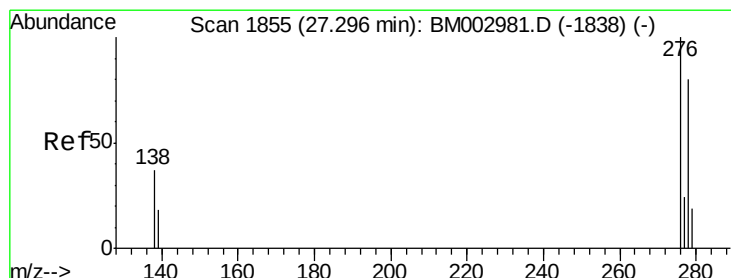
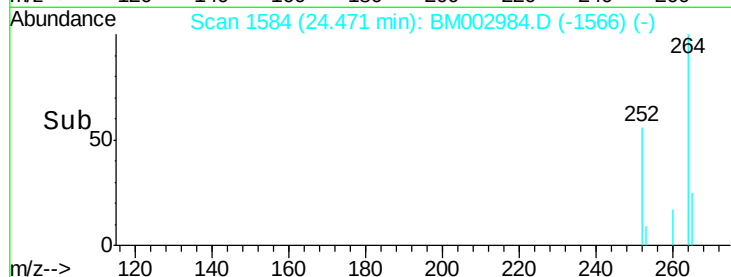
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.08 ng/ul

RT: 27.31 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM002984.D

Acq: 22 Oct 2015 19:25

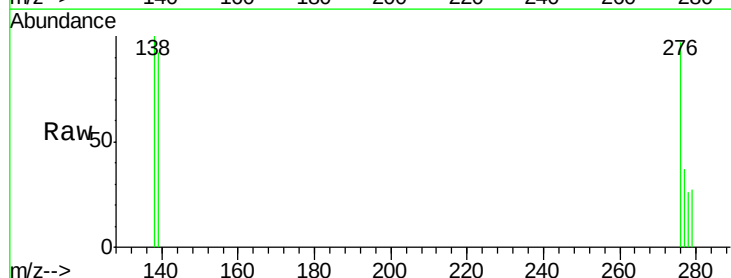
Tgt Ion:276 Resp: 6415

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

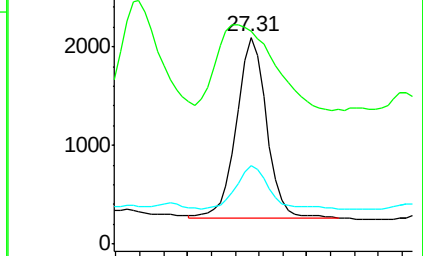
277 25.9 19.3 28.9



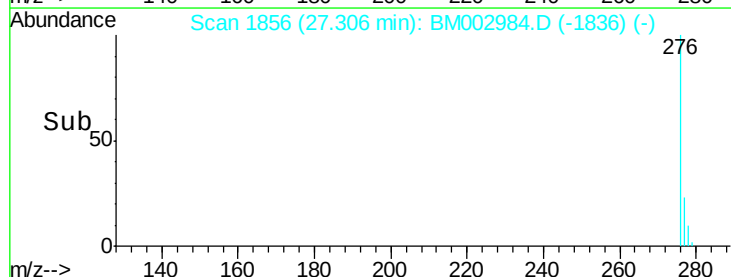
Abundance Ion 276.00 (275.70 to 276.70): E

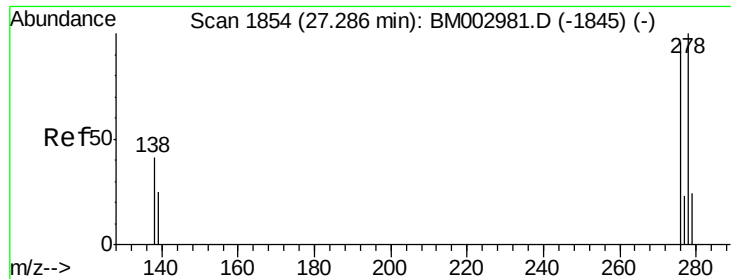
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->





#27

Dibenzo(a,h)anthracene

Concen: 0.03 ng/ul

RT: 27.30 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BM002984.D

Acq: 22 Oct 2015 19:25

Instrument :

BNA_M

ClientSampleId :

JG9J5MSD

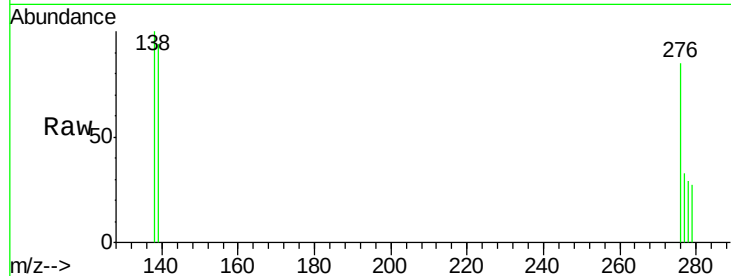
Tot Ion:278 Resp: 1707

Ion Ratio Lower Upper

278 100

139 329.6 21.7 32.5#

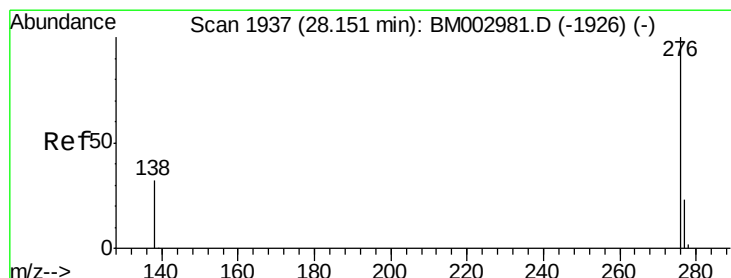
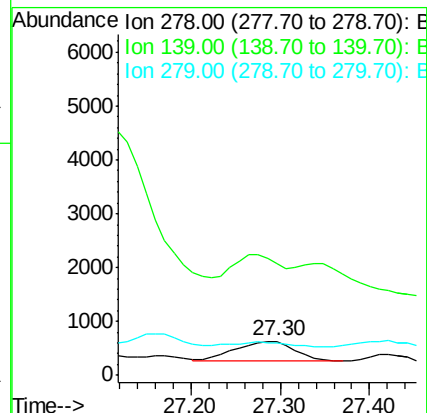
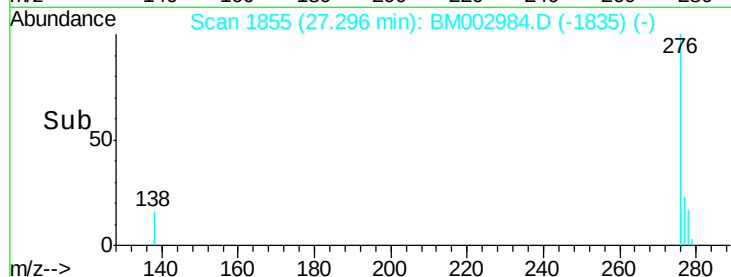
279 93.9 21.9 32.9#



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: 0.14 ng/ul

RT: 28.16 min Scan# 1938

Delta R.T. 0.01 min

Lab File: BM002984.D

Acq: 22 Oct 2015 19:25

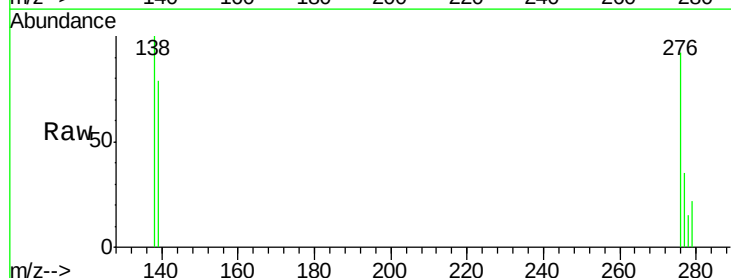
Tgt Ion:276 Resp: 9688

Ion Ratio Lower Upper

276 100

277 37.6 21.3 31.9#

138 108.3 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

