

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002744.D
 Acq On : 28 Sep 2015 21:30
 Operator : UM/IZ
 Sample : G3798-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G69

Quant Time: Sep 29 02:54:09 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

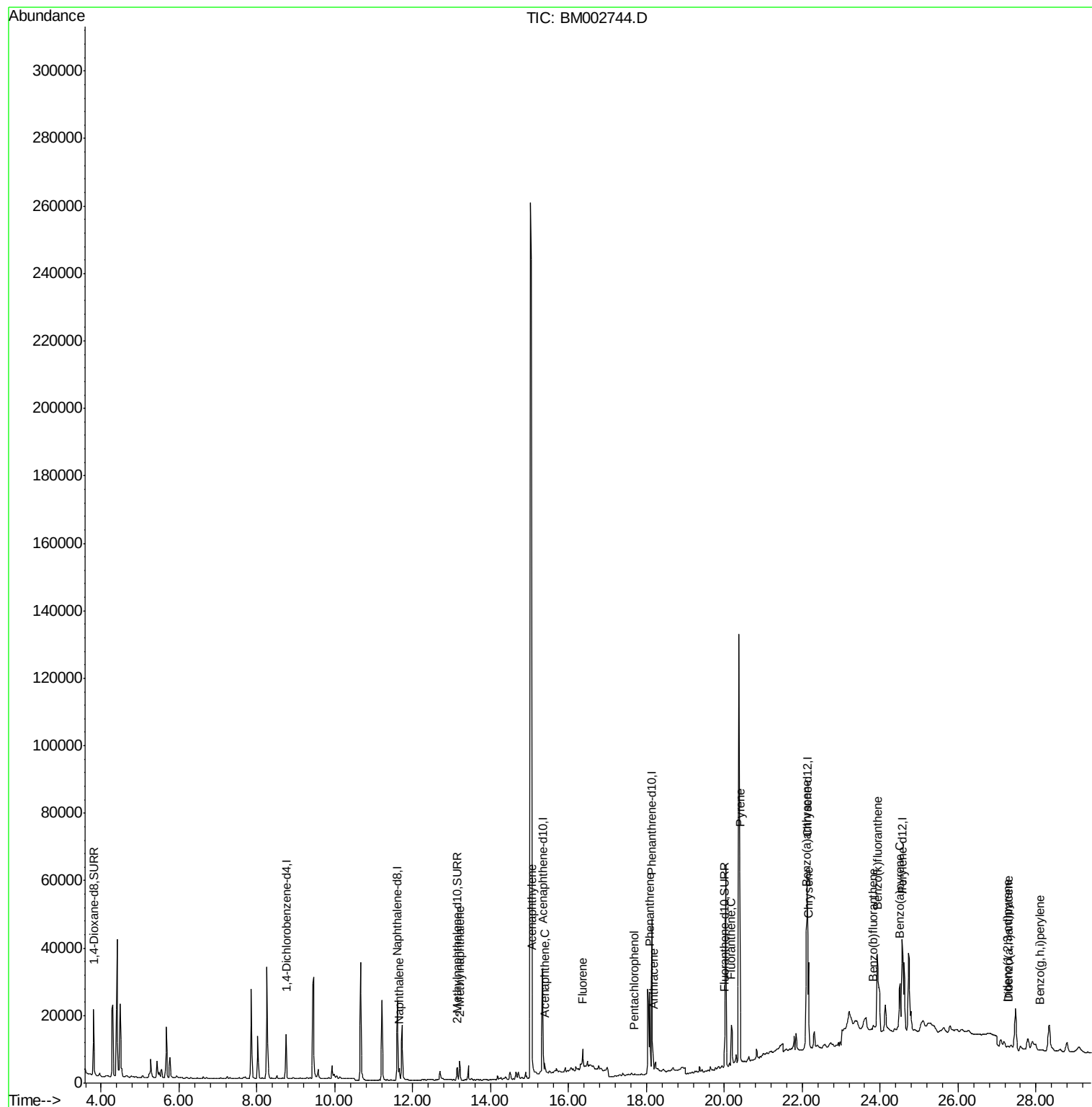
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	8862	0.40	ng/ul	0.02
4) Naphthalene-d8	11.60	136	34468	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	18375	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.14	188	58582	0.40	ng/ul	0.11
18) Chrysene-d12	22.13	240	37520	0.40	ng/ul	0.00
22) Perylene-d12	24.56	264	27908	0.40	ng/ul	-0.17
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	17055	1.86	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.14	152	5767	0.11	ng/ul	0.01
16) Fluoranthene-d10	20.01	212	9175	0.06	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.65	128	4919	0.05	ng/ul#	95
7) 2-Methylnaphthalene	13.20	142	4212	0.07	ng/ul	100
9) Acenaphthylene	15.06	152	19706	0.21	ng/ul	98
10) Acenaphthene	15.38	153	3135	0.05	ng/ul#	90
11) Fluorene	16.36	166	7151	0.09	ng/ul#	96
13) Pentachlorophenol	17.69	266	131	0.01	ng/ul#	51
14) Phenanthrene	18.08	178	26687	0.14	ng/ul	98
15) Anthracene	18.17	178	8168	0.05	ng/ul#	85
17) Fluoranthene	20.18	202	14498	0.07	ng/ul	78
19) Pyrene	20.40	202	53105	0.36	ng/ul#	93
20) Benzo(a)anthracene	22.10	228	31589	0.25	ng/ul#	87
21) Chrysene	22.16	228	30086	0.25	ng/ul#	77
23) Benzo(b)fluoranthene	23.81	252	637	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	23.93	252	44801	0.48	ng/ul#	68
25) Benzo(a)pyrene	24.50	252	20743	0.22	ng/ul#	43
26) Indeno(1,2,3-cd)pyrene	27.26	276	949	0.01	ng/ul#	45
27) Dibenzo(a,h)anthracene	27.30	278	119	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	28.09	276	883	0.01	ng/ul#	1

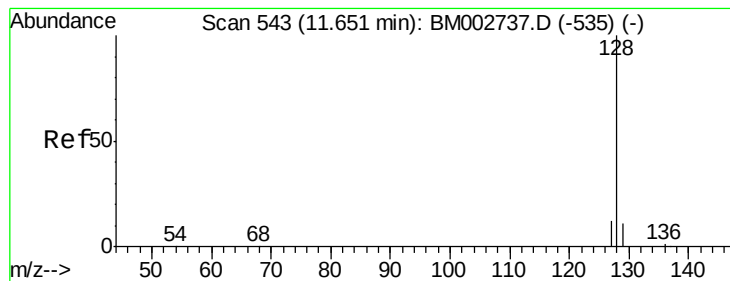
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.05 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. -0.00 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

Instrument :

BNA_M

ClientSampleId :

D9G69

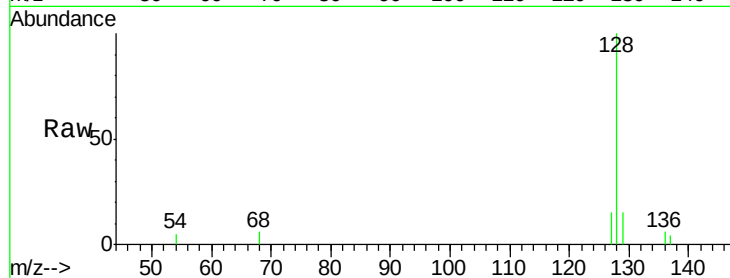
Tot Ion:128 Resp: 4919

Ion Ratio Lower Upper

128 100

129 15.0 9.8 14.8#

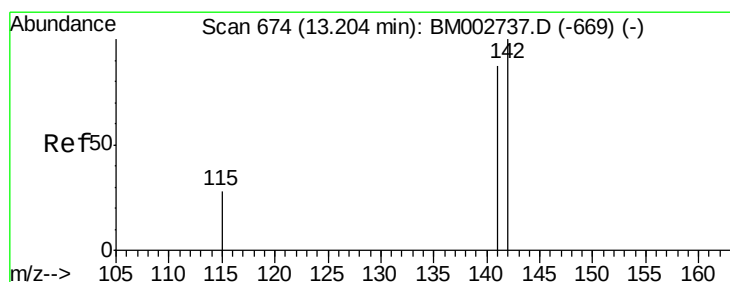
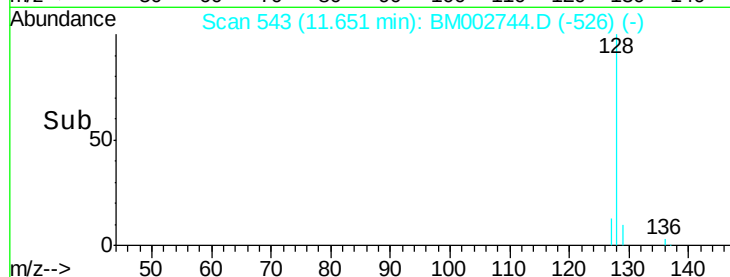
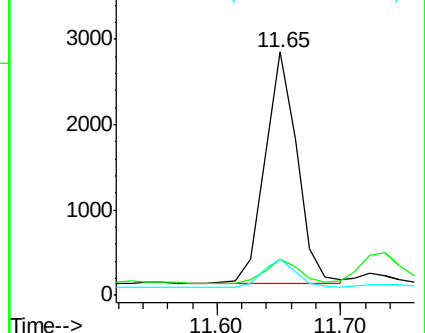
127 15.1 10.7 16.1



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: 0.07 ng/ul

RT: 13.20 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM002744.D

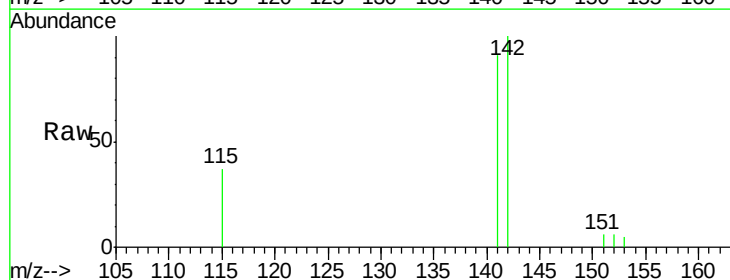
Acq: 28 Sep 2015 21:30

Tgt Ion:142 Resp: 4212

Ion Ratio Lower Upper

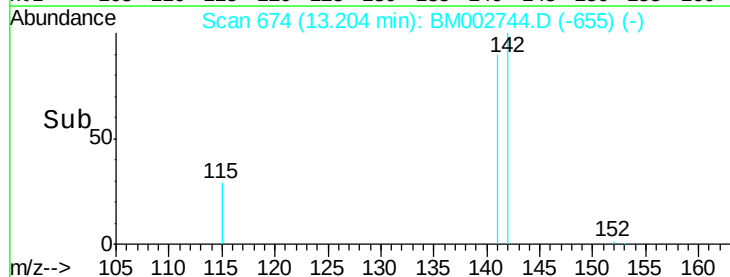
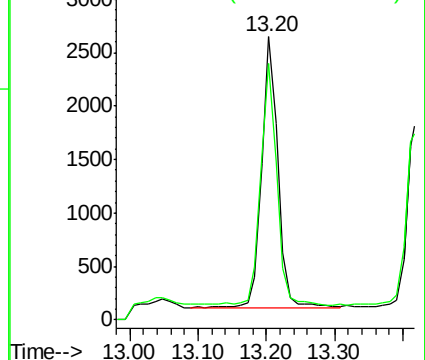
142 100

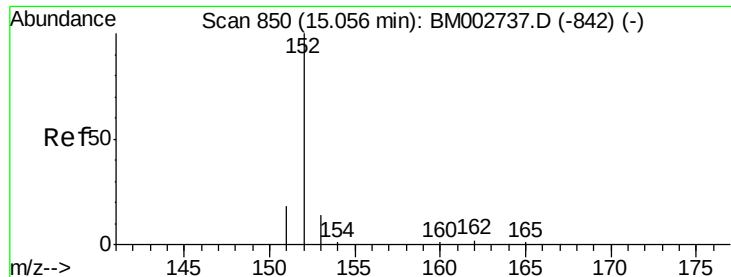
141 88.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.21 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. -0.00 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

Instrument :

BNA_M

ClientSampleId :

D9G69

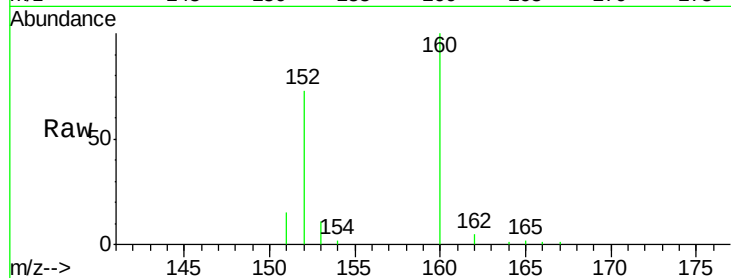
Tot Ion:152 Resp: 19706

Ion Ratio Lower Upper

152 100

151 20.7 16.8 25.2

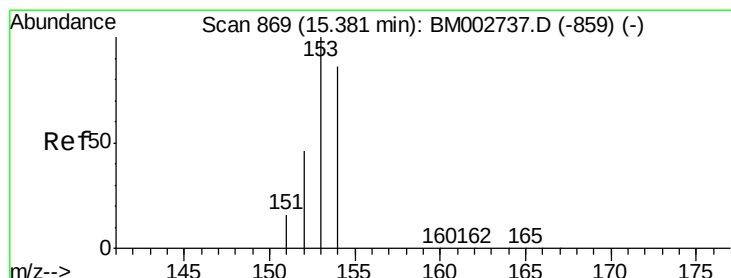
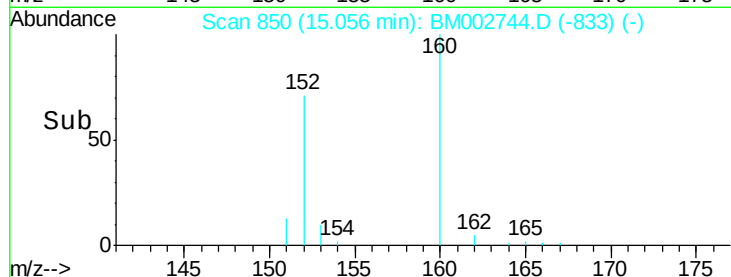
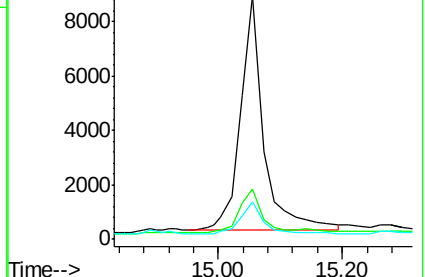
153 15.2 11.3 16.9



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: 0.05 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

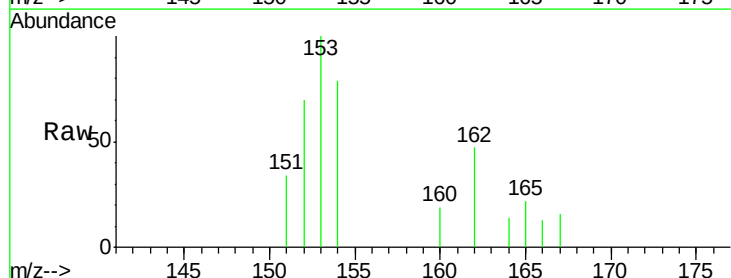
Tgt Ion:153 Resp: 3135

Ion Ratio Lower Upper

153 100

152 69.6 42.3 63.5#

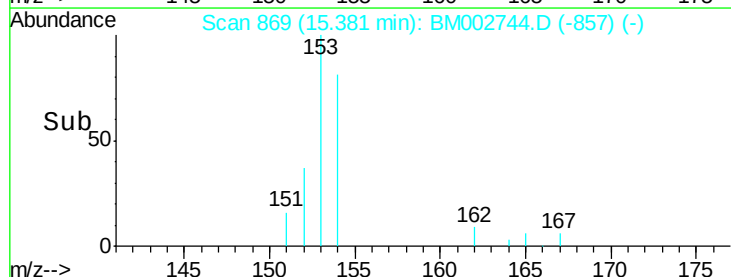
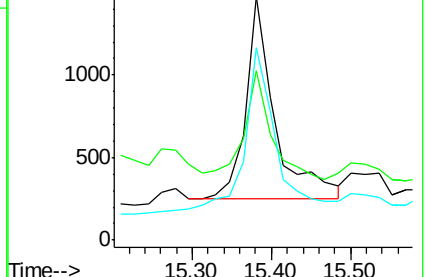
154 79.3 64.7 97.1

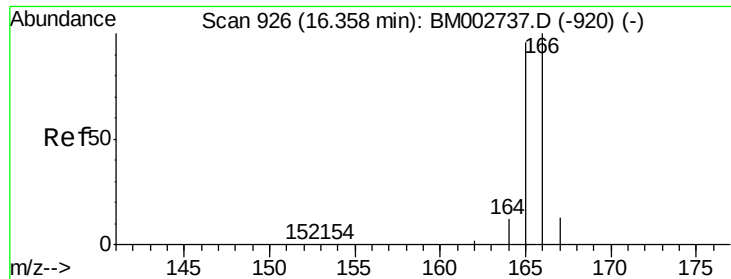


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

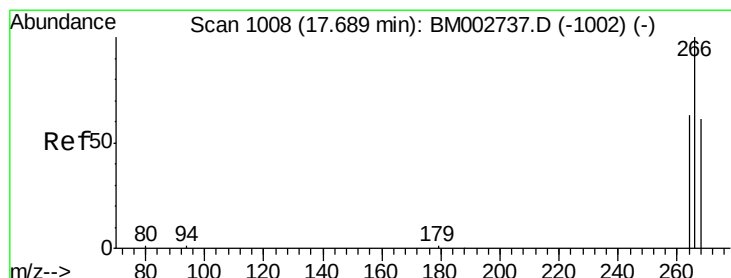
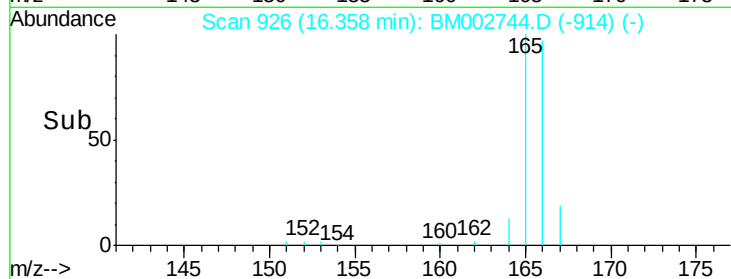
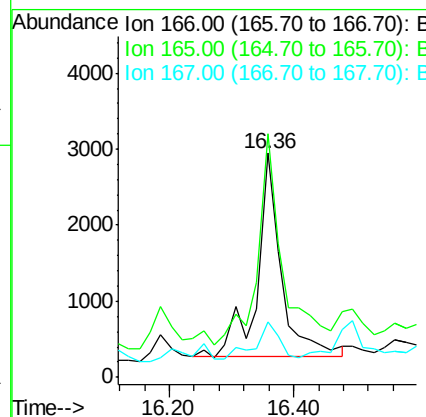
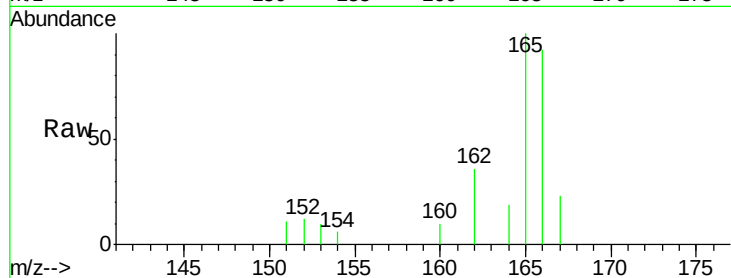




#11
 Fluorene
 Concen: 0.09 ng/ul
 RT: 16.36 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BM002744.D
 Acq: 28 Sep 2015 21:30

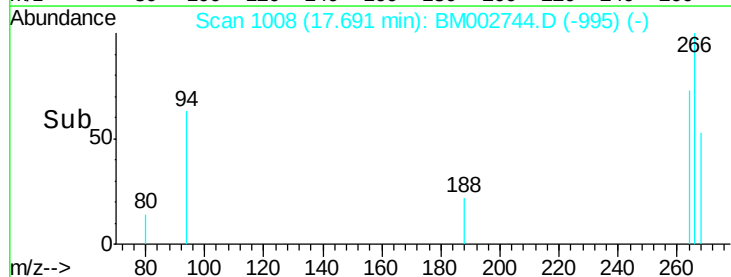
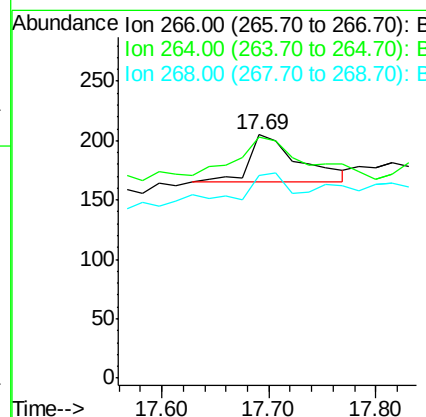
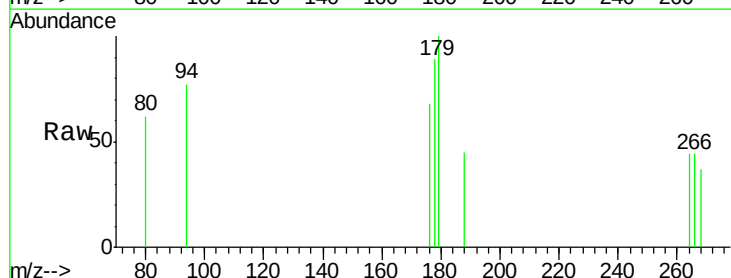
Instrument :
 BNA_M
 ClientSampleId :
 D9G69

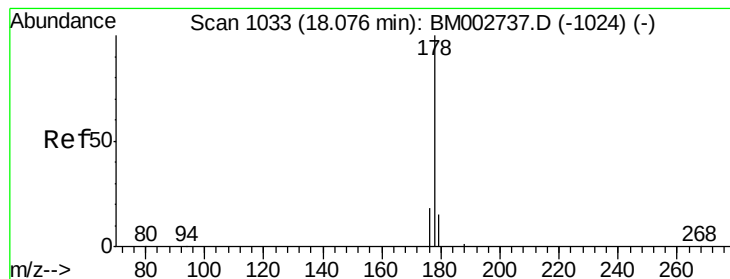
Tot Ion:166 Resp: 7151
 Ion Ratio Lower Upper
 166 100
 165 108.8 87.6 131.4
 167 24.8 11.1 16.7#



#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 17.69 min Scan# 1008
 Delta R.T. 0.00 min
 Lab File: BM002744.D
 Acq: 28 Sep 2015 21:30

Tgt Ion:266 Resp: 131
 Ion Ratio Lower Upper
 266 100
 264 116.8 53.5 80.3#
 268 38.2 54.2 81.2#





#14

Phenanthrene

Concen: 0.14 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

Instrument :

BNA_M

ClientSampleId :

D9G69

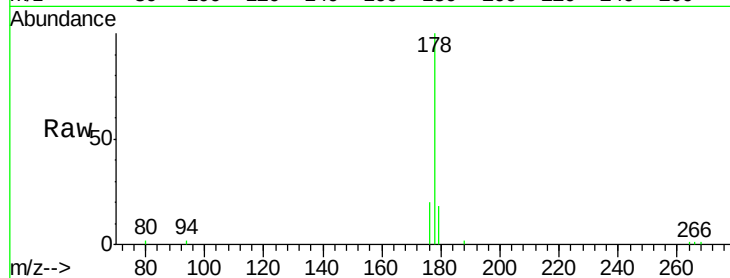
Tot Ion:178 Resp: 26687

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

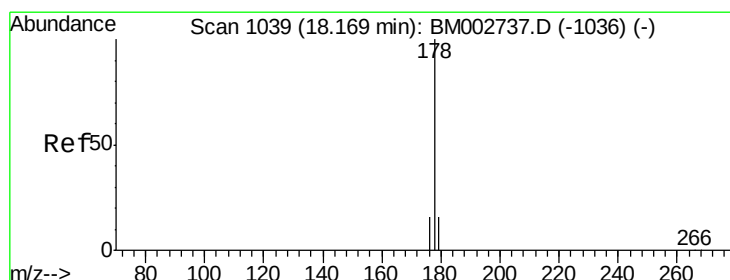
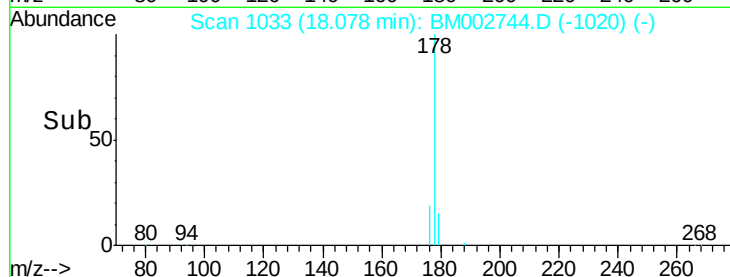
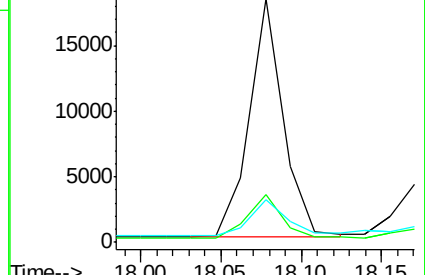
179 17.5 12.8 19.2



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: 0.05 ng/ul

RT: 18.17 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

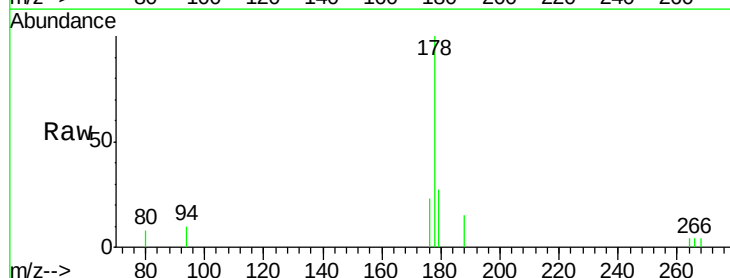
Tgt Ion:178 Resp: 8168

Ion Ratio Lower Upper

178 100

176 23.2 15.8 23.8

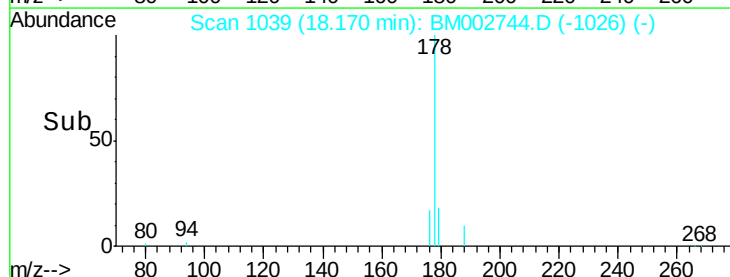
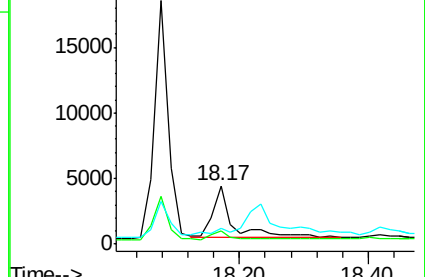
179 27.2 13.3 19.9#

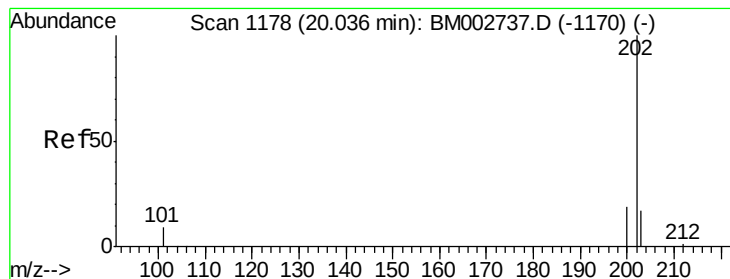


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.07 ng/ul

RT: 20.18 min Scan# 1190

Delta R.T. 0.14 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

Instrument :

BNA_M

ClientSampleId :

D9G69

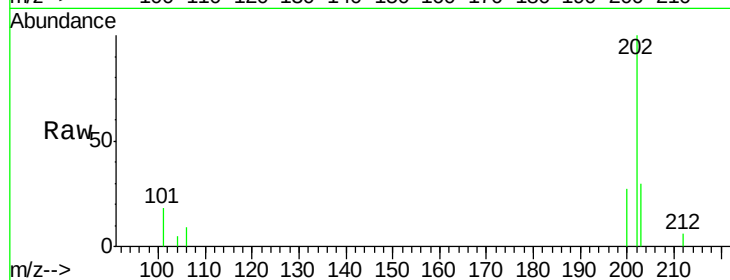
Tot Ion:202 Resp: 14498

Ion Ratio Lower Upper

202 100

101 17.9 0.0 33.1

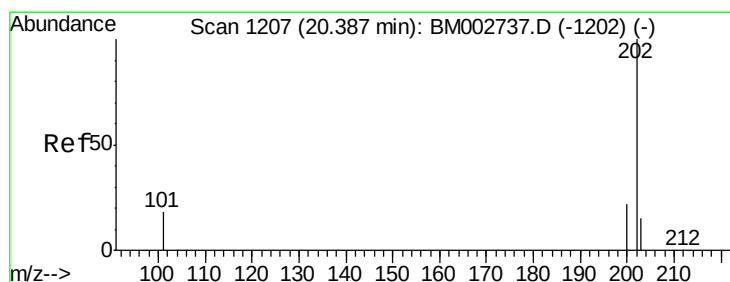
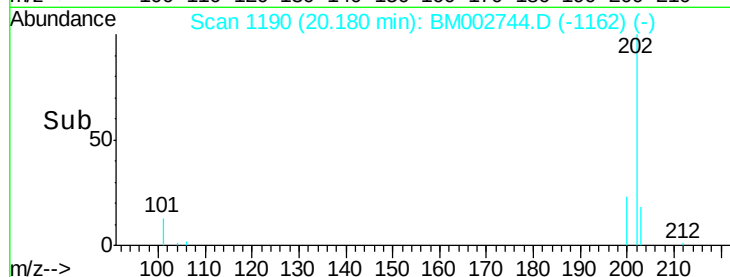
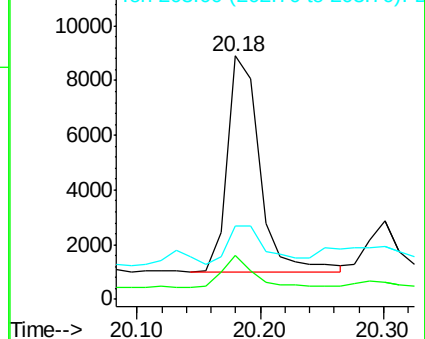
203 30.2 0.0 37.2



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: 0.36 ng/ul

RT: 20.40 min Scan# 1208

Delta R.T. 0.01 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

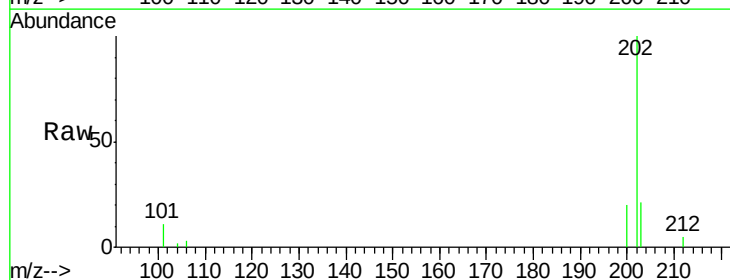
Tgt Ion:202 Resp: 53105

Ion Ratio Lower Upper

202 100

200 20.5 18.0 27.0

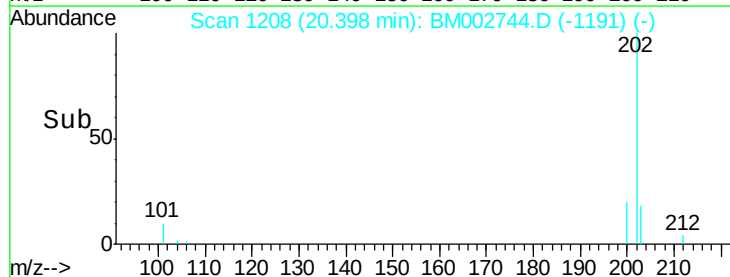
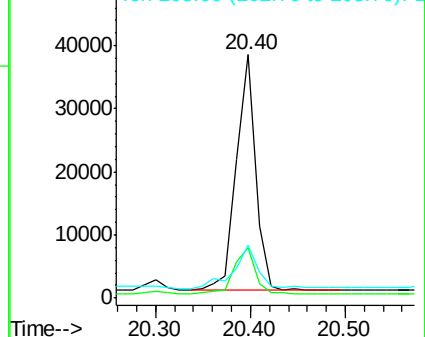
203 21.5 13.8 20.6#

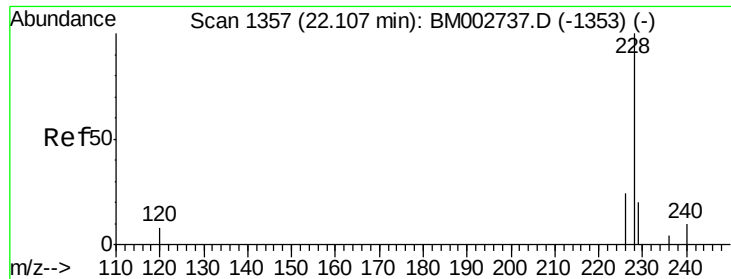


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.25 ng/ul

RT: 22.10 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

Instrument :

BNA_M

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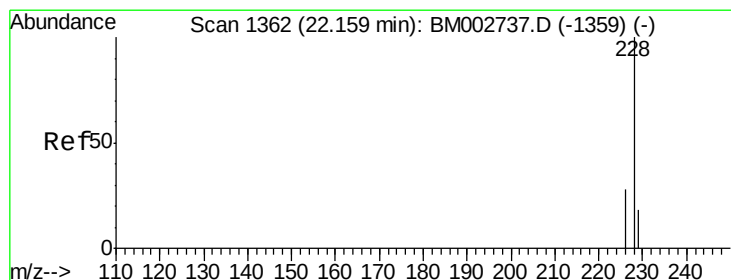
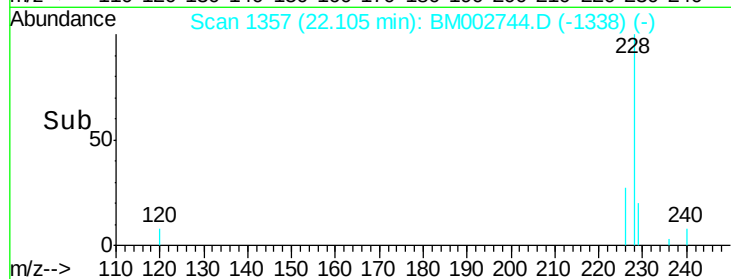
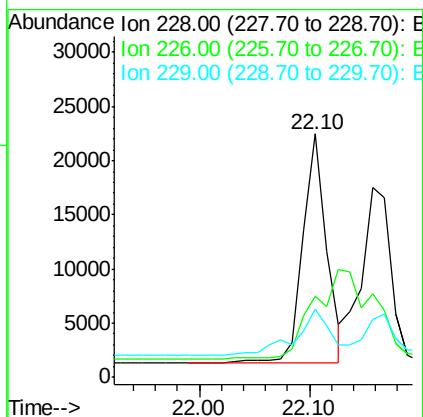
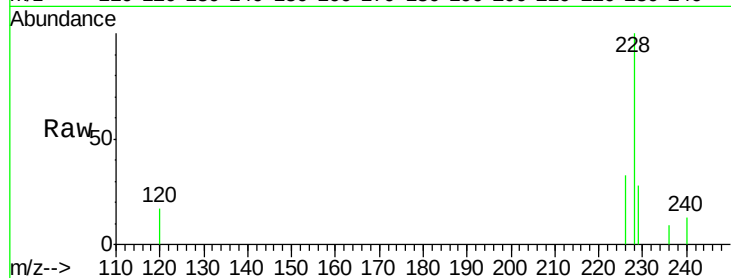
Tot Ion:228 Resp: 31589

Ion Ratio Lower Upper

228 100

226 33.3 23.0 34.4

229 28.3 15.2 22.8#



#21

Chrysene

Concen: 0.25 ng/ul

RT: 22.16 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

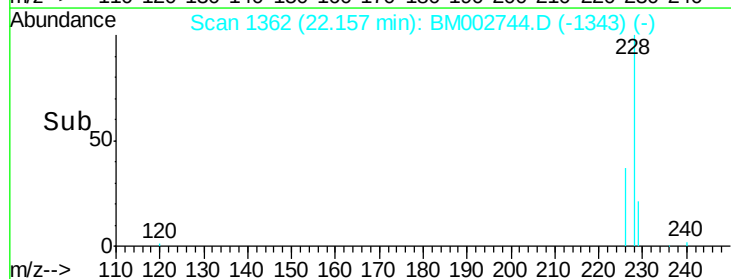
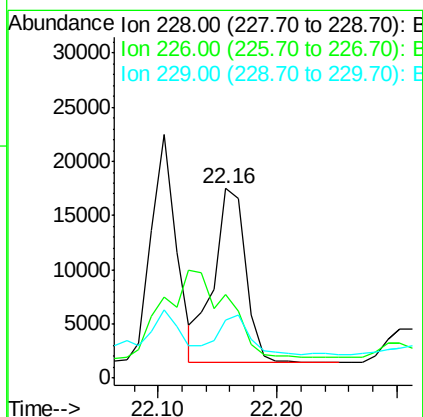
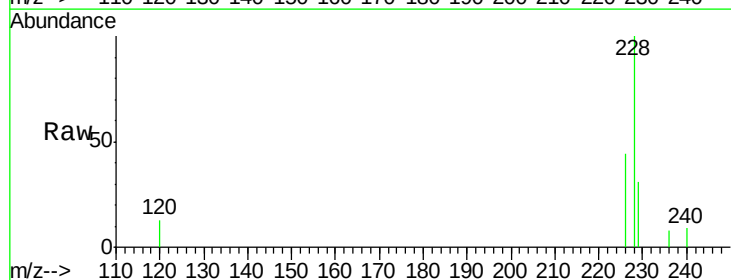
Tgt Ion:228 Resp: 30086

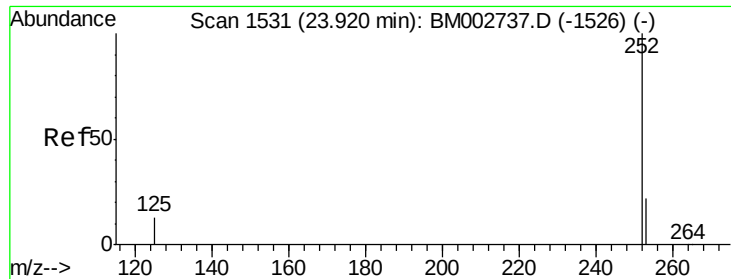
Ion Ratio Lower Upper

228 100

226 44.1 25.7 38.5#

229 30.8 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 23.81 min Scan# 1521

Delta R.T. -0.11 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

Instrument :

BNA_M

ClientSampleId :

D9G69

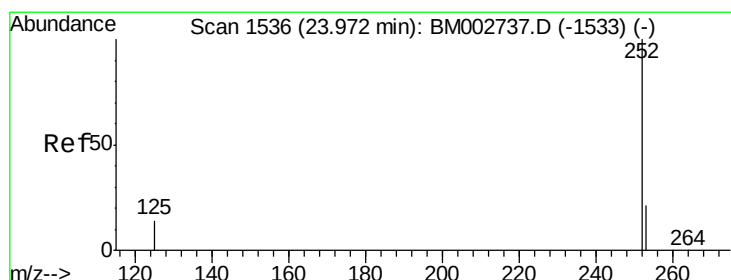
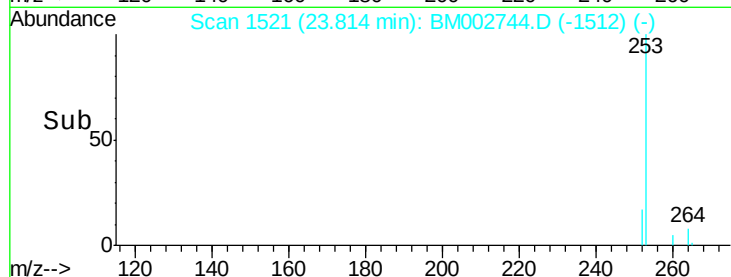
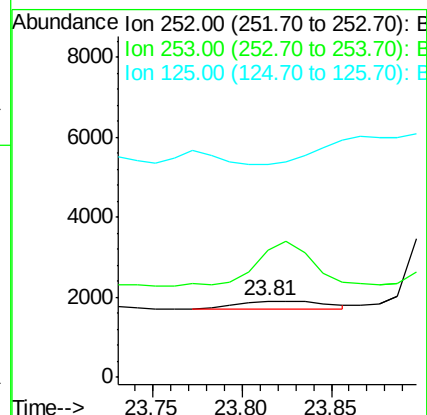
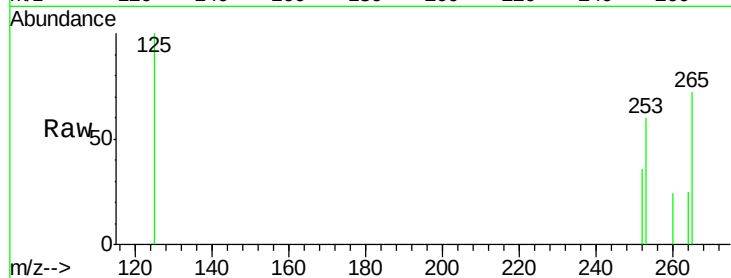
Tot Ion:252 Resp: 637

Ion Ratio Lower Upper

252 100

253 165.7 0.0 48.0#

125 278.1 0.0 36.6#



#24

Benzo(k)fluoranthene

Concen: 0.48 ng/ul

RT: 23.93 min Scan# 1532

Delta R.T. -0.04 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

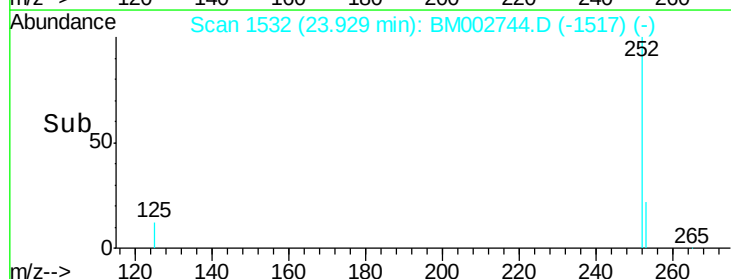
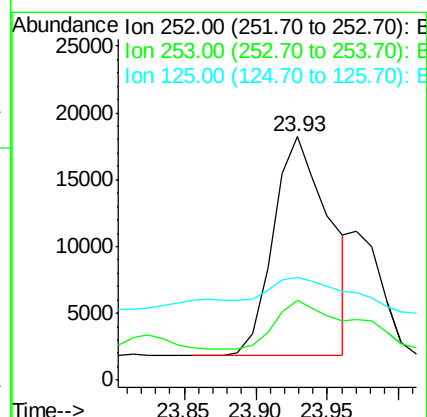
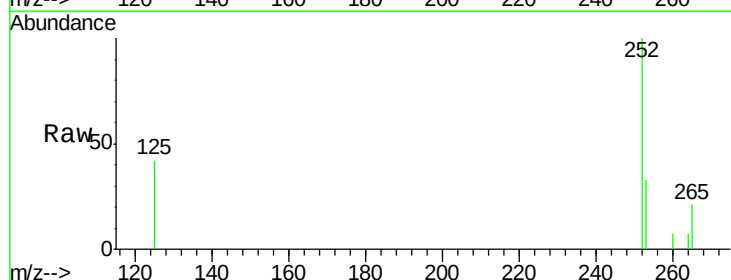
Tgt Ion:252 Resp: 44801

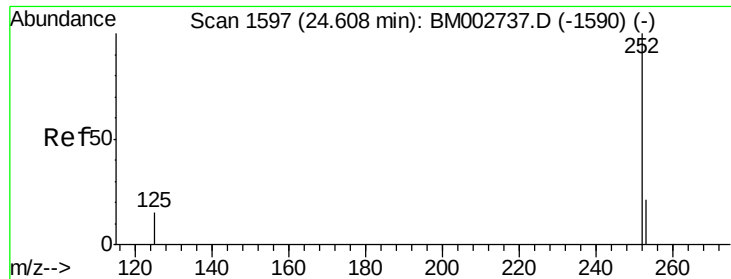
Ion Ratio Lower Upper

252 100

253 32.6 20.8 31.2#

125 42.4 12.2 18.4#





#25

Benzo(a)pyrene

Concen: 0.22 ng/ul

RT: 24.50 min Scan# 1587

Delta R.T. -0.11 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

Instrument :

BNA_M

ClientSampleId :

D9G69

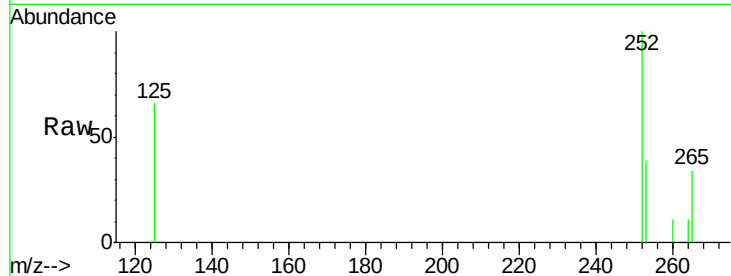
Tot Ion:252 Resp: 20743

Ion Ratio Lower Upper

252 100

253 39.5 21.8 32.8#

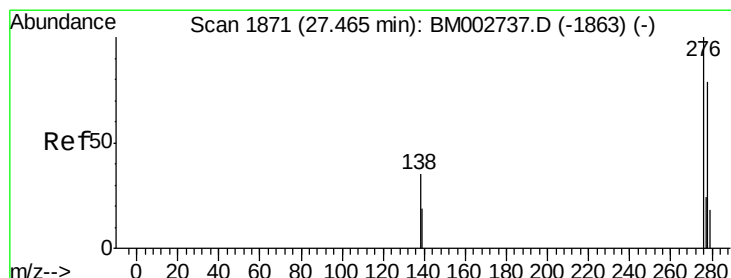
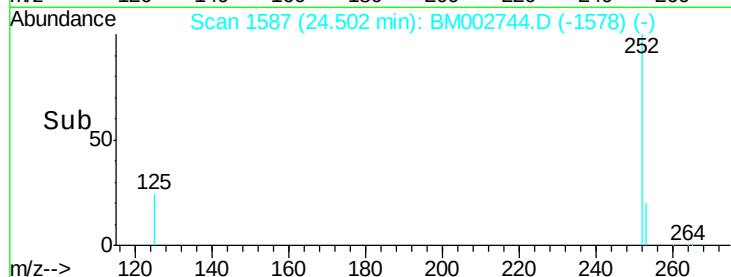
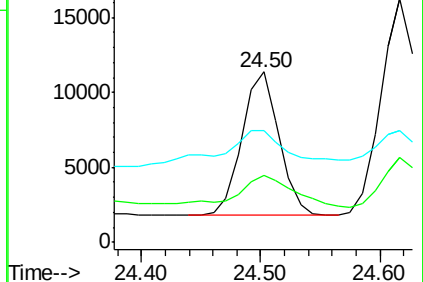
125 65.7 14.5 21.7#



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: 0.01 ng/ul

RT: 27.26 min Scan# 1852

Delta R.T. -0.20 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

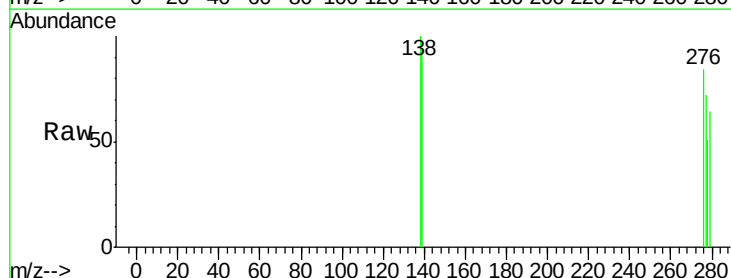
Tgt Ion:276 Resp: 949

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

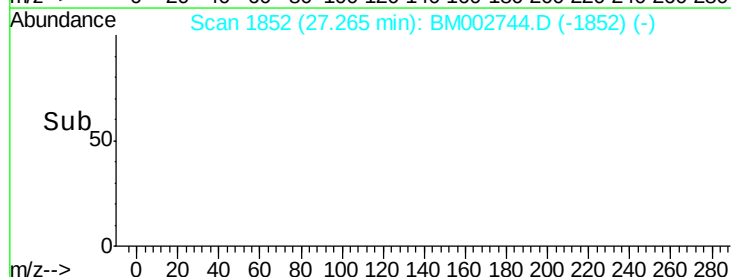
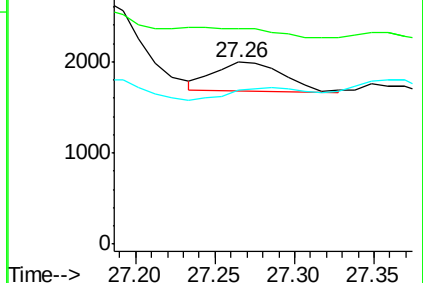
277 0.0 19.3 28.9#

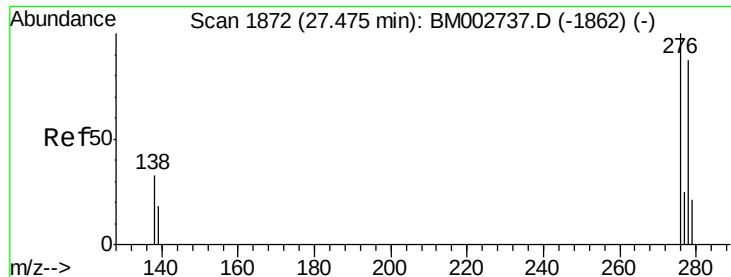


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 27.30 min Scan# 1855

Delta R.T. -0.18 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

Instrument :

BNA_M

ClientSampleId :

D9G69

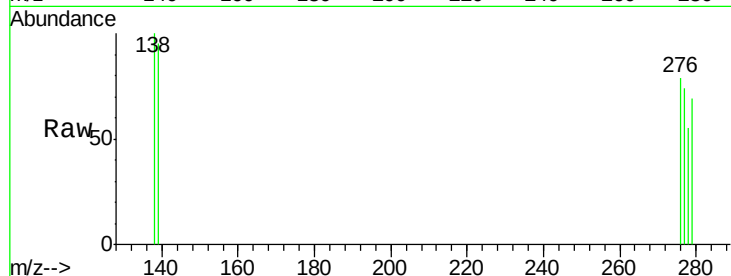
Tot Ion:278 Resp: 119

Ion Ratio Lower Upper

278 100

139 171.5 21.7 32.5#

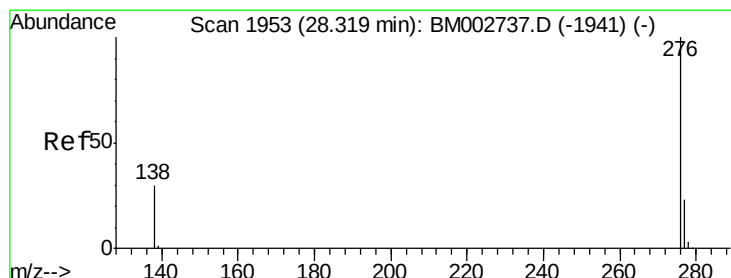
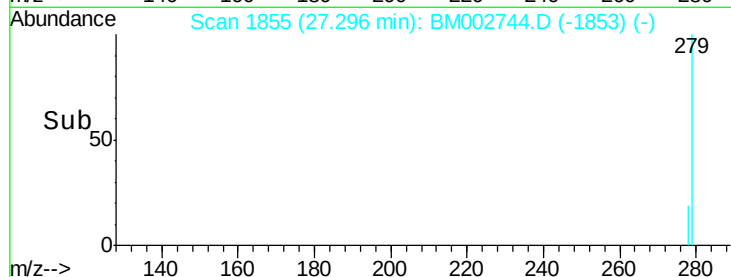
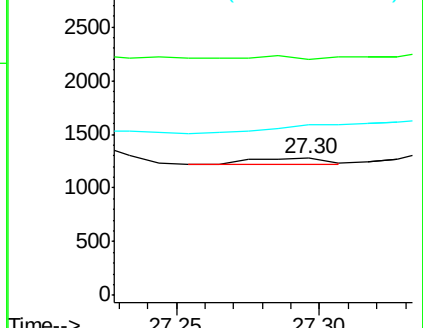
279 124.7 21.9 32.9#



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: 0.01 ng/ul

RT: 28.09 min Scan# 1931

Delta R.T. -0.23 min

Lab File: BM002744.D

Acq: 28 Sep 2015 21:30

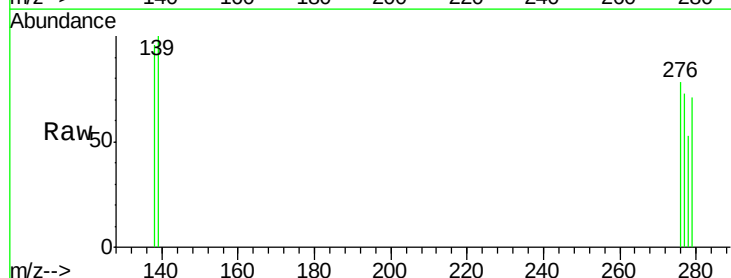
Tgt Ion:276 Resp: 883

Ion Ratio Lower Upper

276 100

277 93.0 21.3 31.9#

138 122.3 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

