

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092815\
 Data File : BM002735.D
 Acq On : 28 Sep 2015 16:02
 Operator : UM/IZ
 Sample : G3798-17
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G71

Quant Time: Sep 29 00:34:01 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 00:32:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	10531	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	41151	0.40	ng/ul	0.01
8) Acenaphthene-d10	15.33	164	22327	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	45828	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	44847	0.40	ng/ul	0.00
22) Perylene-d12	24.73	264	42161	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.80	96	31509	2.90	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	9873	0.16	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	14662	0.13	ng/ul	0.01

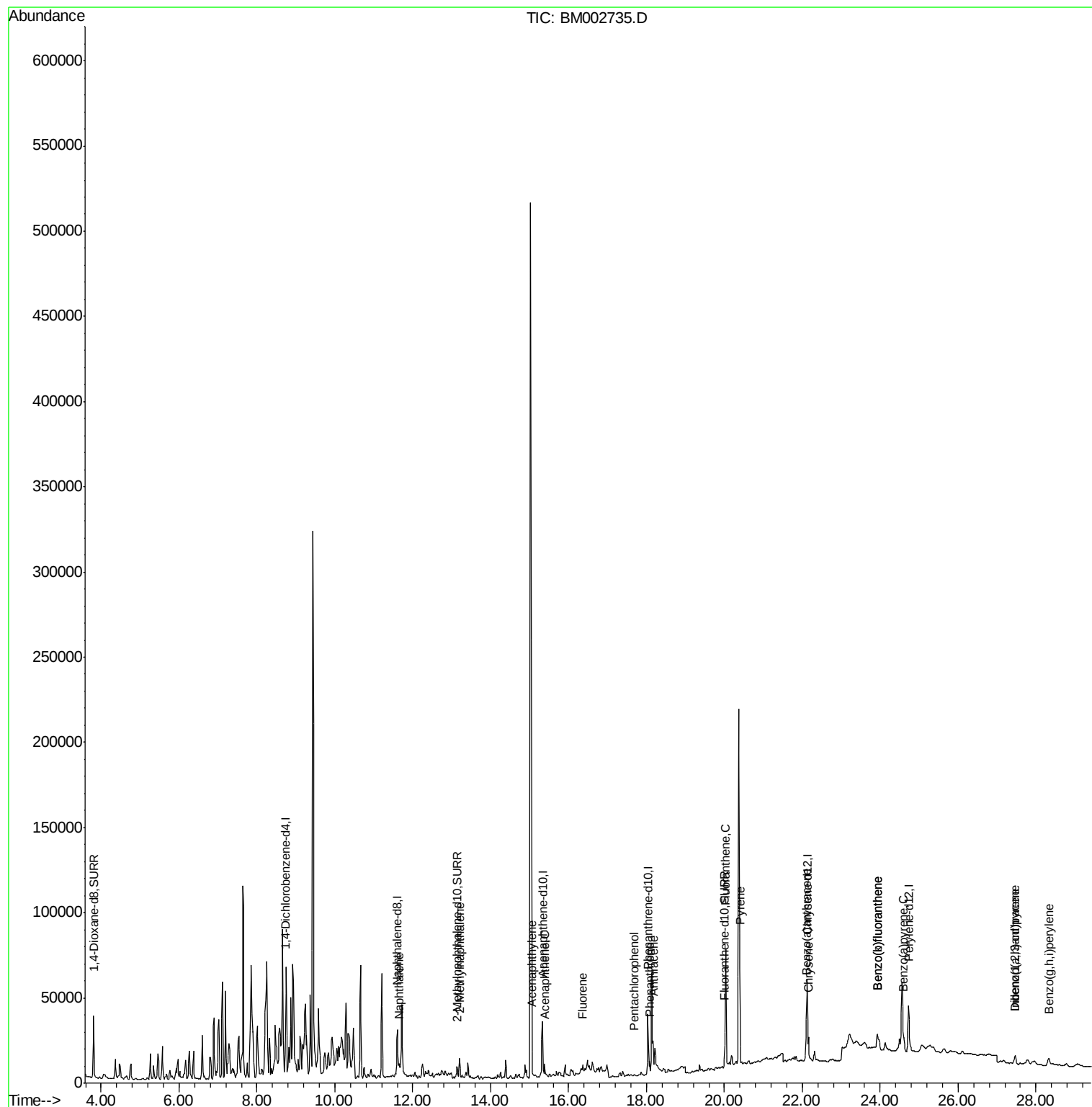
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	11.65	128	16028	0.14	ng/ul#	86
7) 2-Methylnaphthalene	13.20	142	9303	0.13	ng/ul	94
9) Acenaphthylene	15.06	152	12338	0.11	ng/ul#	89
10) Acenaphthene	15.38	153	5415	0.06	ng/ul	91
11) Fluorene	16.36	166	6031	0.06	ng/ul#	87
13) Pentachlorophenol	17.69	266	255	0.03	ng/ul#	90
14) Phenanthrene	18.08	178	9896	0.07	ng/ul#	78
15) Anthracene	18.17	178	32456	0.24	ng/ul#	89
17) Fluoranthene	20.03	202	73274	0.45	ng/ul	92
19) Pyrene	20.40	202	59706	0.34	ng/ul#	88
20) Benzo(a)anthracene	22.10	228	18285	0.12	ng/ul#	71
21) Chrysene	22.16	228	15317	0.11	ng/ul#	56
23) Benzo(b)fluoranthene	23.93	252	24896	0.16	ng/ul#	1
24) Benzo(k)fluoranthene	23.93	252	24896	0.18	ng/ul#	1
25) Benzo(a)pyrene	24.61	252	13333	0.10	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.46	276	9495	0.06	ng/ul	97
27) Dibenzo(a,h)anthracene	27.46	278	2368	0.02	ng/ul#	1
28) Benzo(g,h,i)perylene	28.33	276	10053	0.08	ng/ul#	27

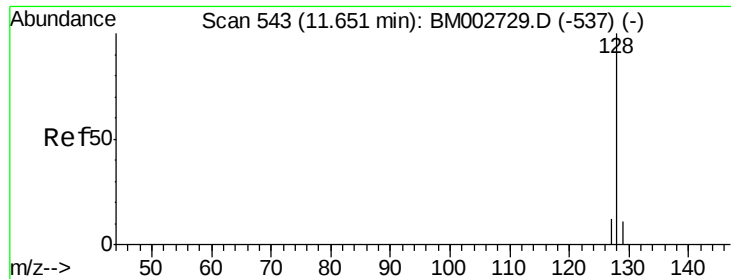
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.14 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. -0.00 min

Lab File: BM002735.D

Acq: 28 Sep 2015 16:02

Instrument :

BNA_M

ClientSampleId :

D9G71

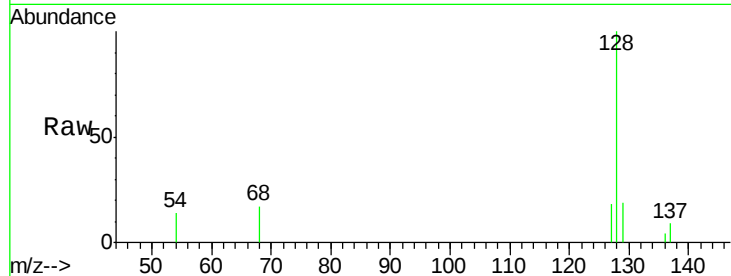
Tgt Ion:128 Resp: 16028

Ion Ratio Lower Upper

128 100

129 18.8 9.8 14.8#

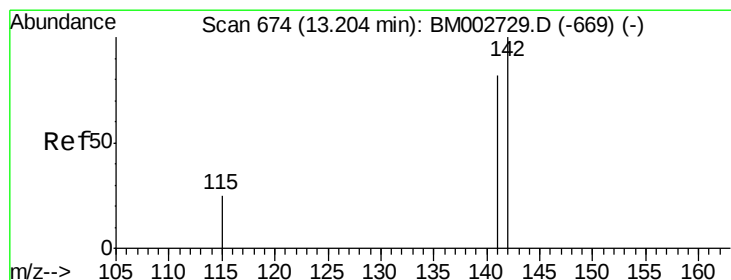
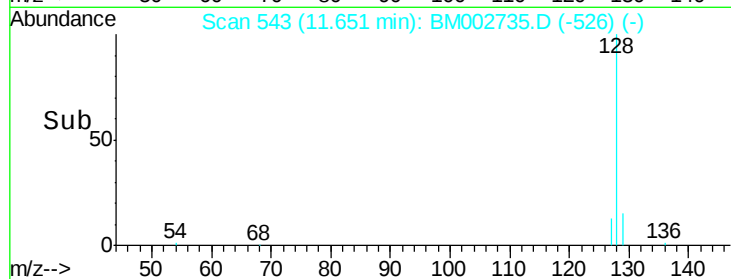
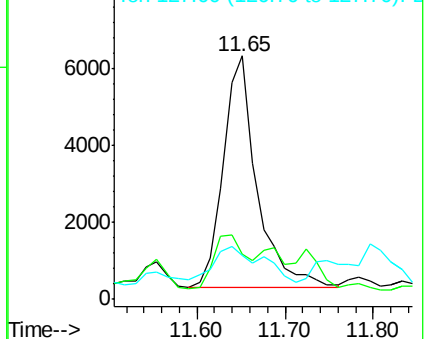
127 18.1 10.7 16.1#



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: 0.13 ng/ul

RT: 13.20 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM002735.D

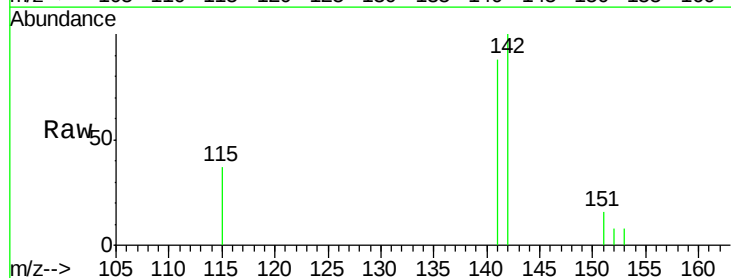
Acq: 28 Sep 2015 16:02

Tgt Ion:142 Resp: 9303

Ion Ratio Lower Upper

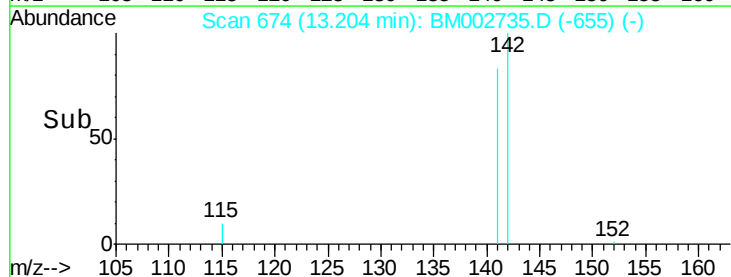
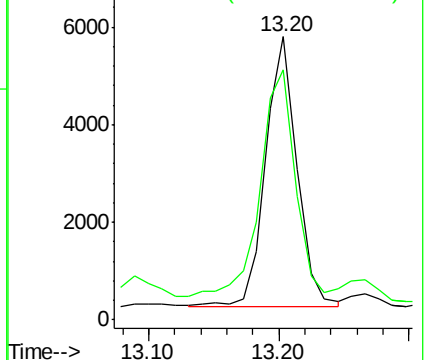
142 100

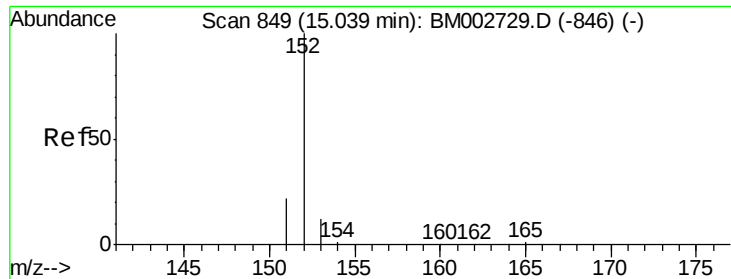
141 93.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.11 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. 0.02 min

Lab File: BM002735.D

Acq: 28 Sep 2015 16:02

Instrument :

BNA_M

ClientSampleId :

D9G71

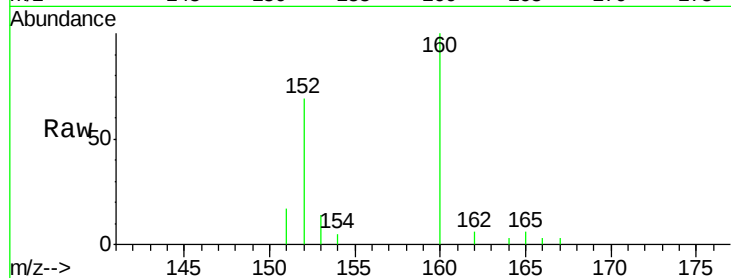
Tgt Ion:152 Resp: 12338

Ion Ratio Lower Upper

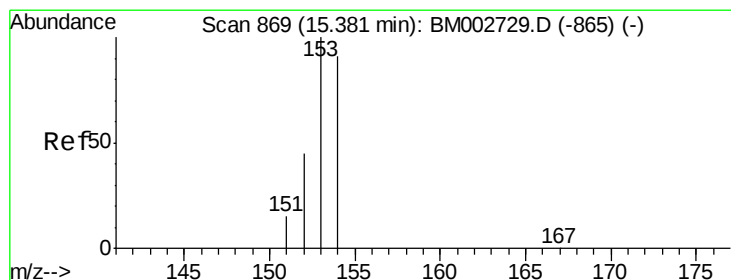
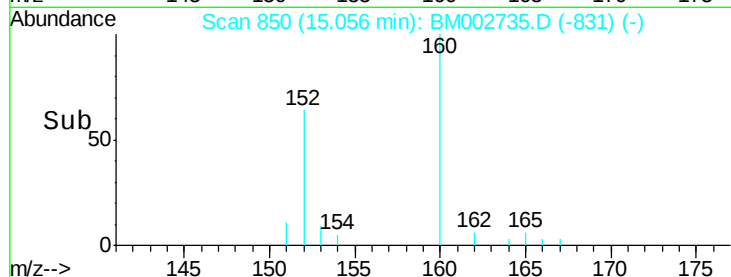
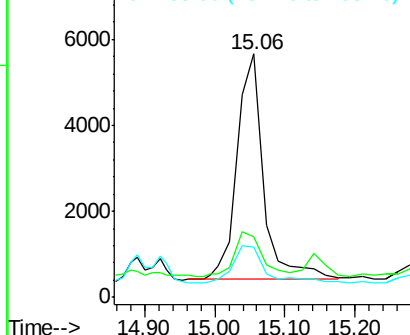
152 100

151 24.7 16.8 25.2

153 20.9 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: 0.06 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM002735.D

Acq: 28 Sep 2015 16:02

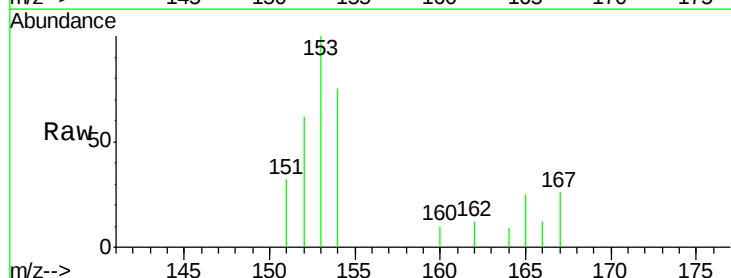
Tgt Ion:153 Resp: 5415

Ion Ratio Lower Upper

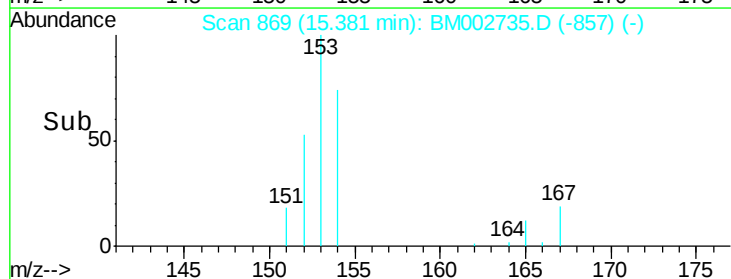
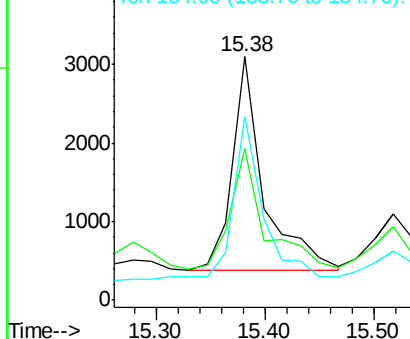
153 100

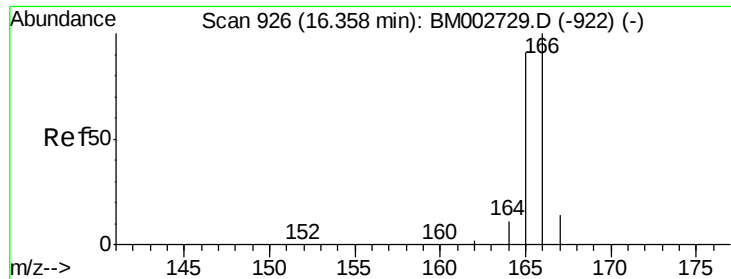
152 62.1 42.3 63.5

154 75.3 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

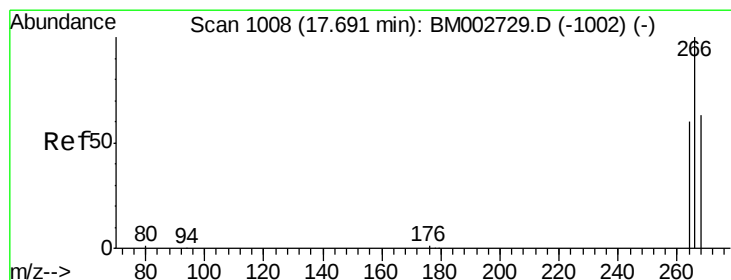
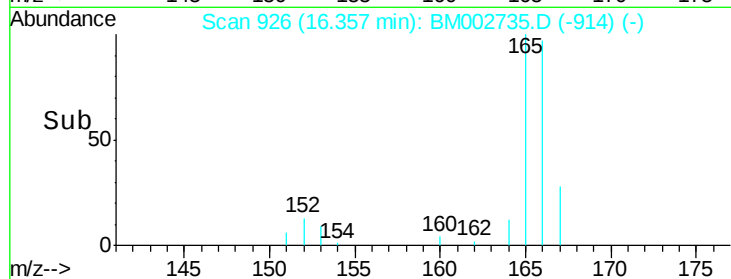
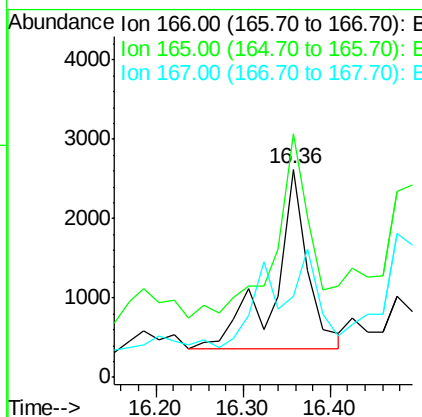
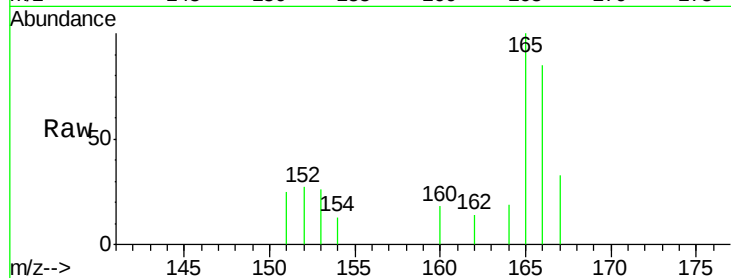




#11
Fluorene
 Concen: 0.06 ng/ul
 RT: 16.36 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BM002735.D
 Acq: 28 Sep 2015 16:02

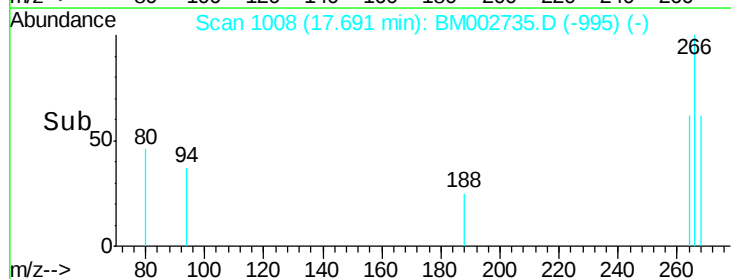
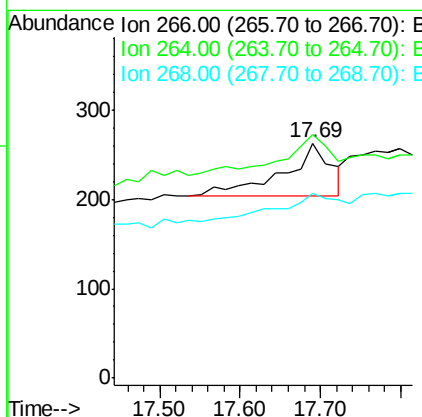
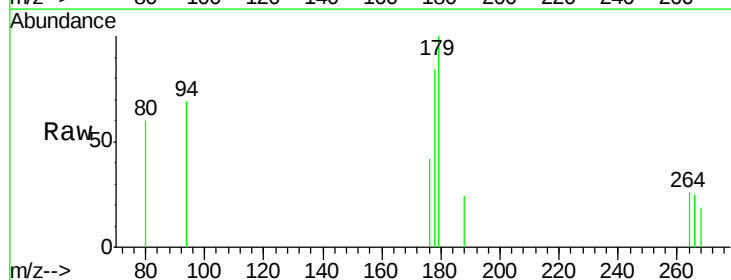
Instrument :
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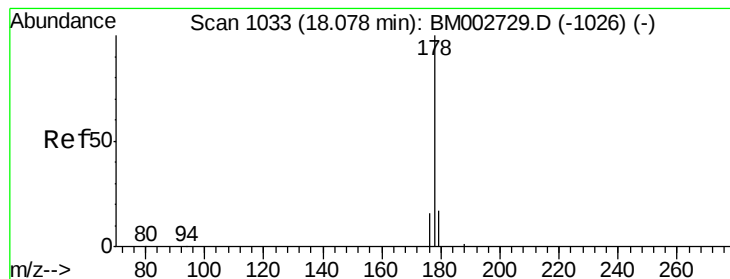
Tgt Ion:166 Resp: 6031
 Ion Ratio Lower Upper
 166 100
 165 117.1 87.6 131.4
 167 38.9 11.1 16.7#



#13
Pentachlorophenol
 Concen: 0.03 ng/ul
 RT: 17.69 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BM002735.D
 Acq: 28 Sep 2015 16:02

Tgt Ion:266 Resp: 255
 Ion Ratio Lower Upper
 266 100
 264 82.0 53.5 80.3#
 268 69.4 54.2 81.2





#14

Phenanthrene

Concen: 0.07 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM002735.D

Acq: 28 Sep 2015 16:02

Instrument :

BNA_M

ClientSampleId :

D9G71

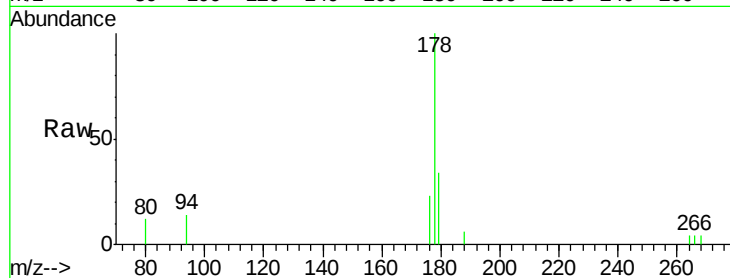
Tgt Ion:178 Resp: 9896

Ion Ratio Lower Upper

178 100

176 23.4 16.2 24.4

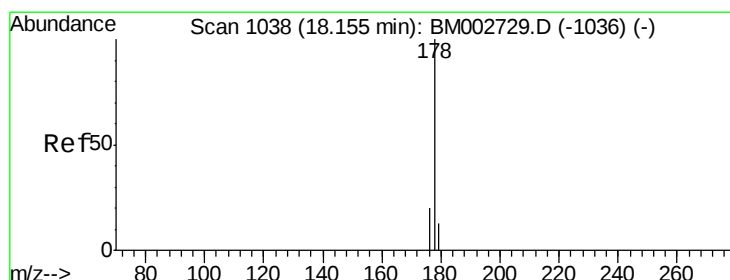
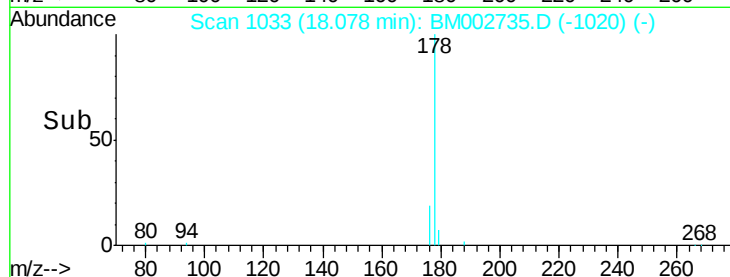
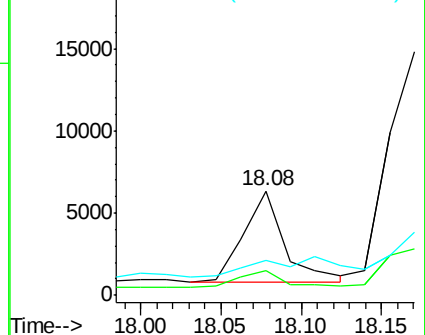
179 34.0 12.8 19.2#



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: 0.24 ng/ul

RT: 18.17 min Scan# 1039

Delta R.T. 0.02 min

Lab File: BM002735.D

Acq: 28 Sep 2015 16:02

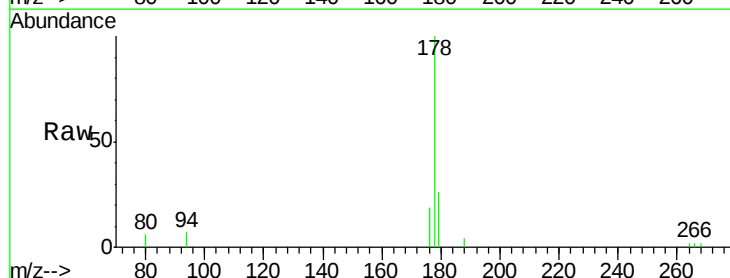
Tgt Ion:178 Resp: 32456

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

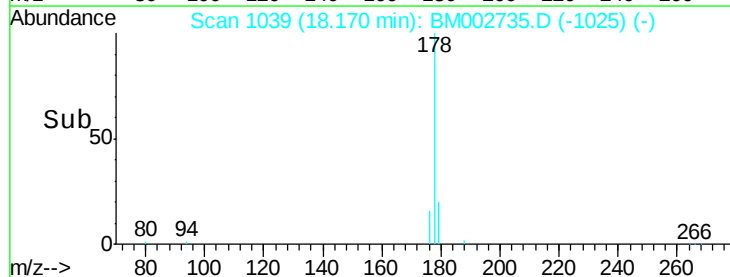
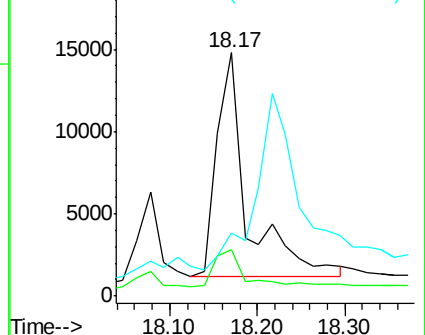
179 26.0 13.3 19.9#

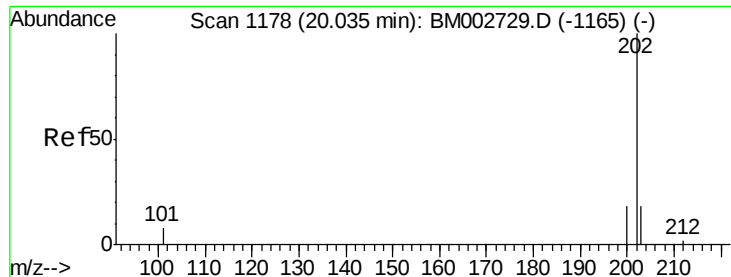


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

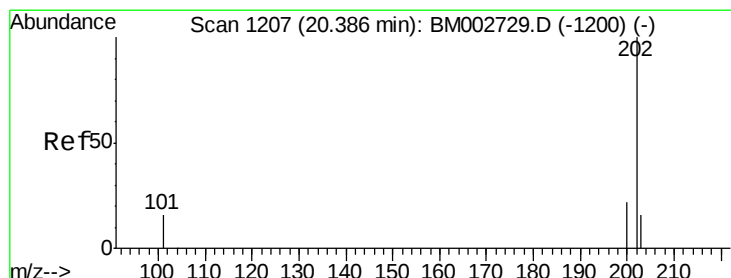
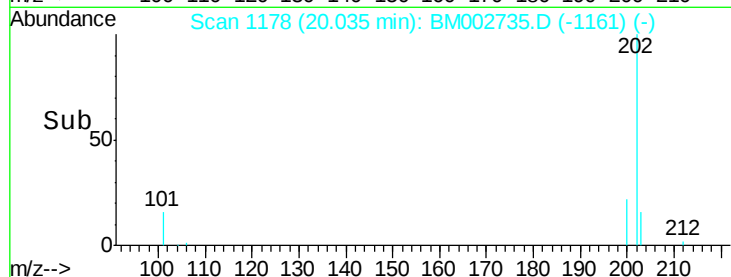
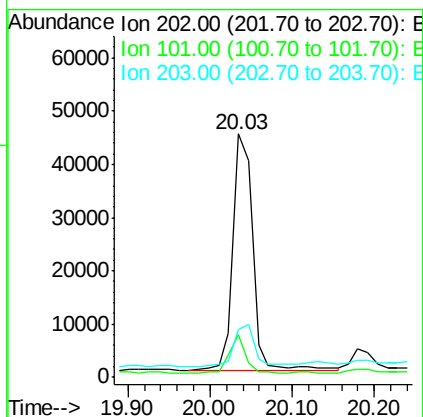
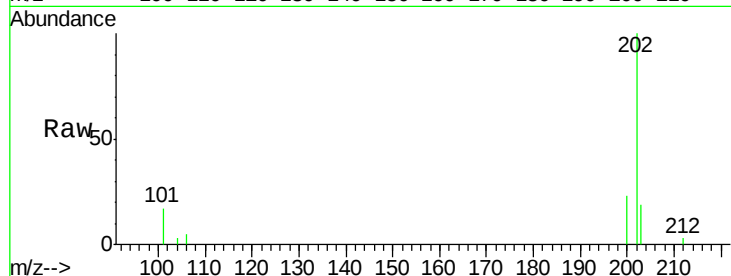




#17
Fluoranthene
 Concen: 0.45 ng/ul
 RT: 20.03 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BM002735.D
 Acq: 28 Sep 2015 16:02

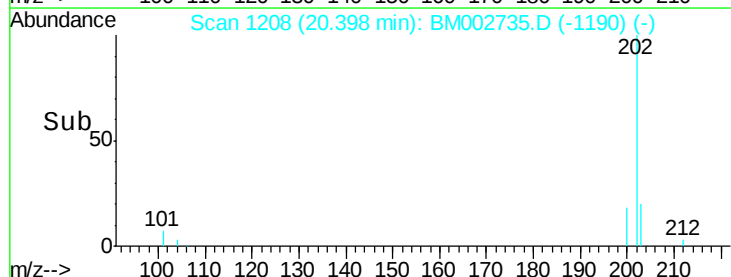
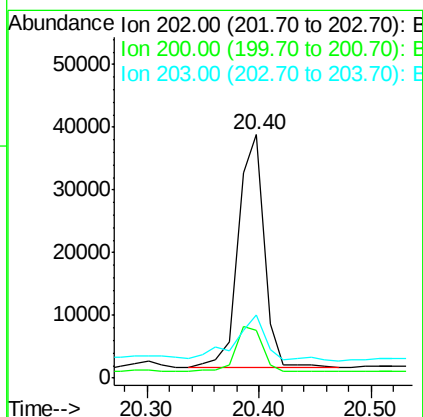
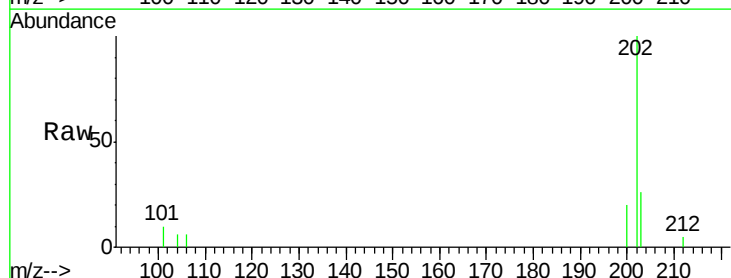
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 D9G71

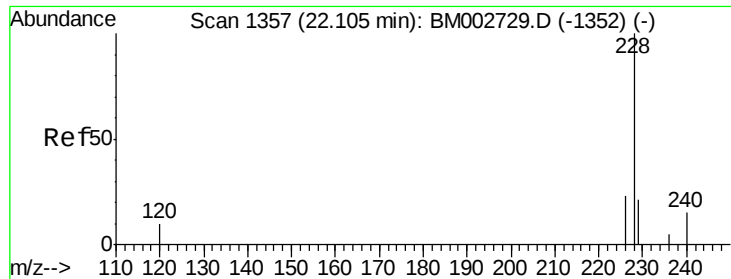
Tgt Ion:202 Resp: 73274
 Ion Ratio Lower Upper
 202 100
 101 17.3 0.0 33.1
 203 19.4 0.0 37.2



#19
Pyrene
 Concen: 0.34 ng/ul
 RT: 20.40 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BM002735.D
 Acq: 28 Sep 2015 16:02

Tgt Ion:202 Resp: 59706
 Ion Ratio Lower Upper
 202 100
 200 19.8 18.0 27.0
 203 25.8 13.8 20.6#





#20

Benzo(a)anthracene

Concen: 0.12 ng/ul

RT: 22.10 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BM002735.D

Acq: 28 Sep 2015 16:02

Instrument :

BNA_M

ClientSampleId :

D9G71

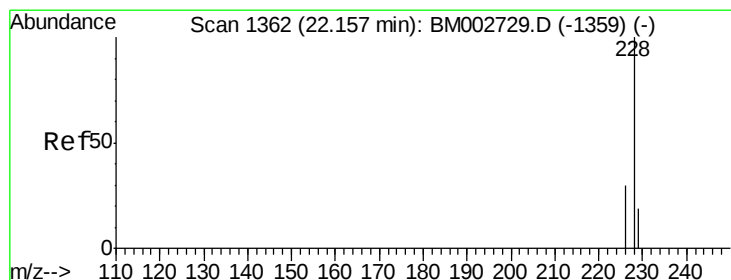
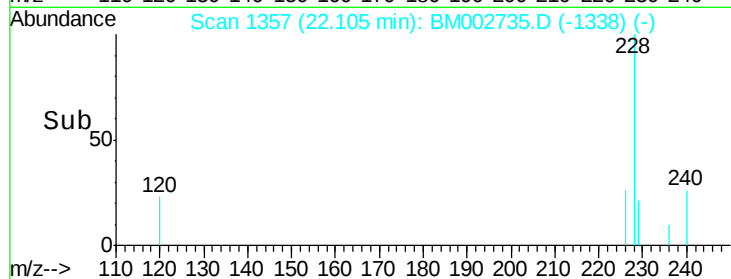
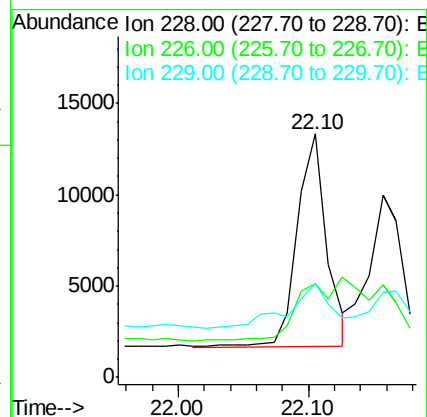
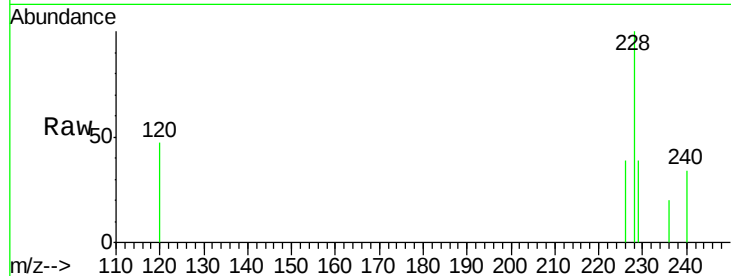
Tgt Ion:228 Resp: 18285

Ion Ratio Lower Upper

228 100

226 38.7 23.0 34.4#

229 38.8 15.2 22.8#



#21

Chrysene

Concen: 0.11 ng/ul

RT: 22.16 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BM002735.D

Acq: 28 Sep 2015 16:02

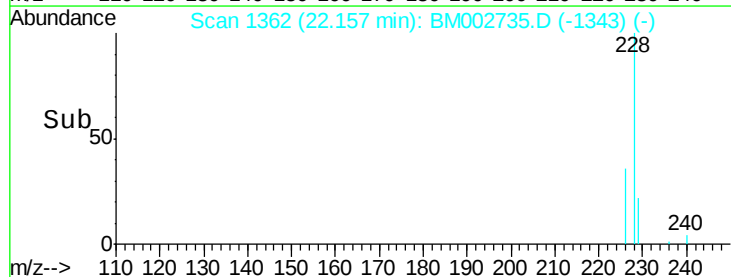
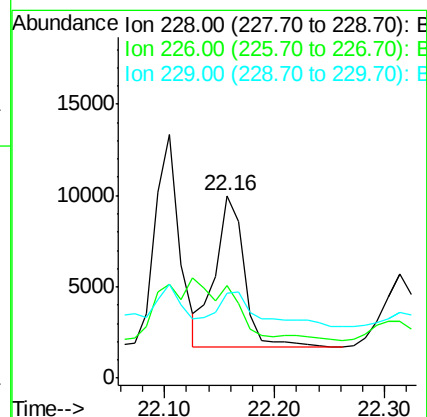
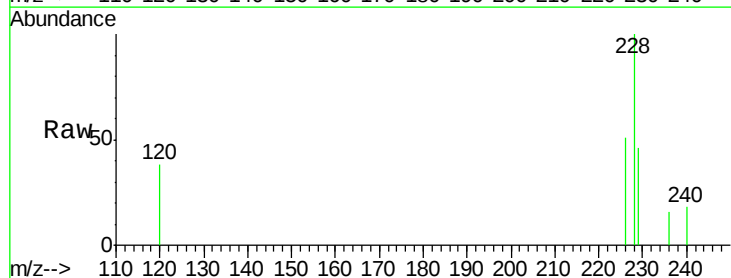
Tgt Ion:228 Resp: 15317

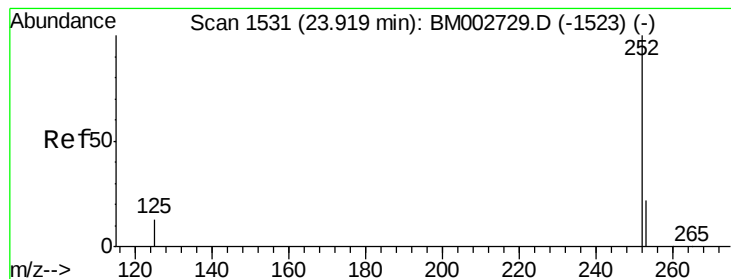
Ion Ratio Lower Upper

228 100

226 50.7 25.7 38.5#

229 46.4 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.16 ng/ul

RT: 23.93 min Scan# 1532

Delta R.T. 0.01 min

Lab File: BM002735.D

Acq: 28 Sep 2015 16:02

Instrument :

BNA_M

ClientSampleId :

D9G71

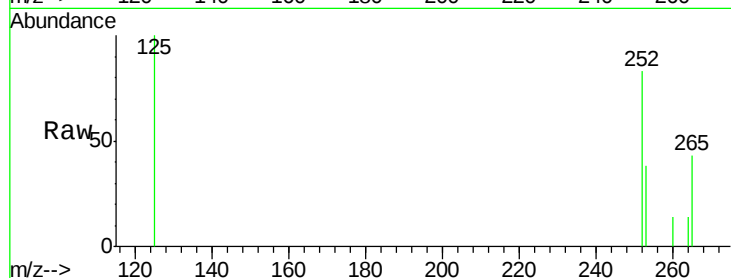
Tgt Ion:252 Resp: 24896

Ion Ratio Lower Upper

252 100

253 45.9 0.0 48.0

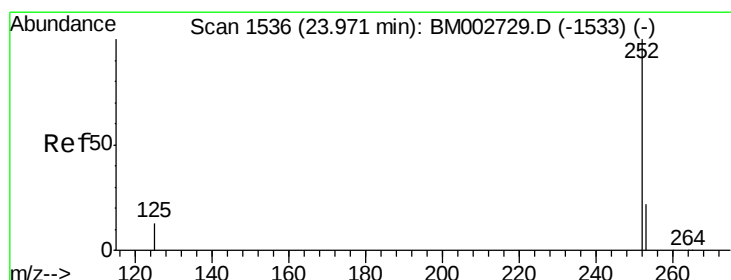
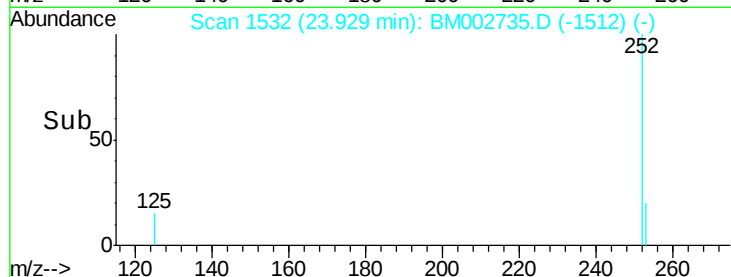
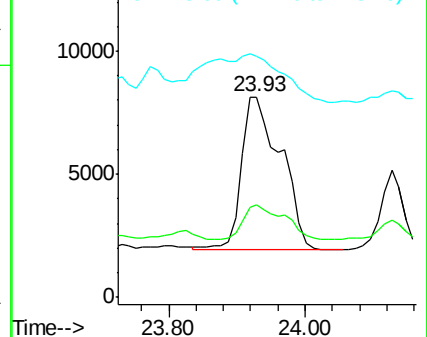
125 120.2 0.0 36.6#



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: 0.18 ng/ul

RT: 23.93 min Scan# 1532

Delta R.T. -0.04 min

Lab File: BM002735.D

Acq: 28 Sep 2015 16:02

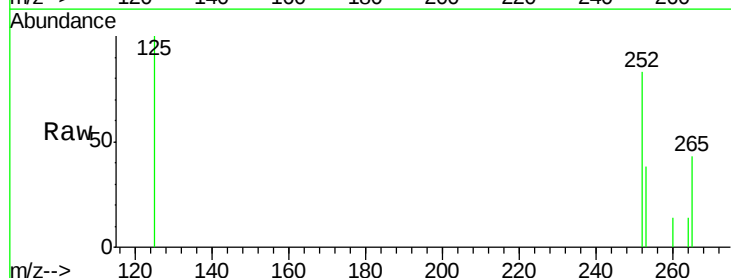
Tgt Ion:252 Resp: 24896

Ion Ratio Lower Upper

252 100

253 45.9 20.8 31.2#

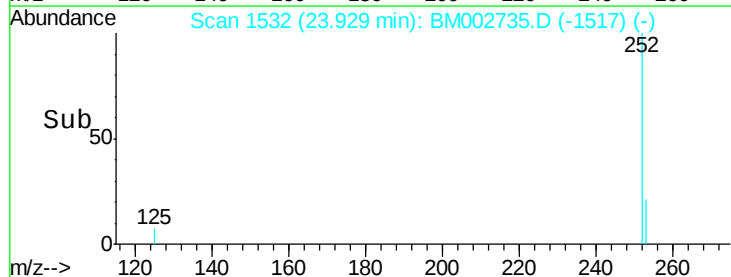
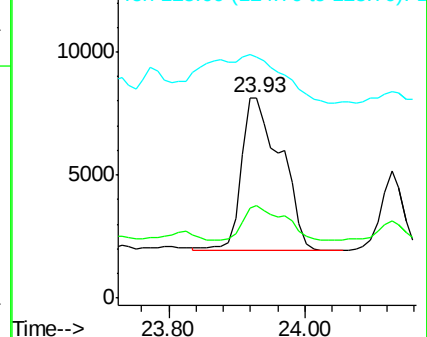
125 120.2 12.2 18.4#

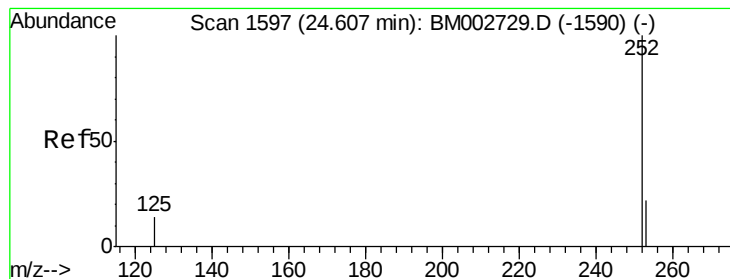


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 24.61 min Scan# 1597

Delta R.T. -0.00 min

Lab File: BM002735.D

Acq: 28 Sep 2015 16:02

Instrument :

BNA_M

ClientSampleId :

D9G71

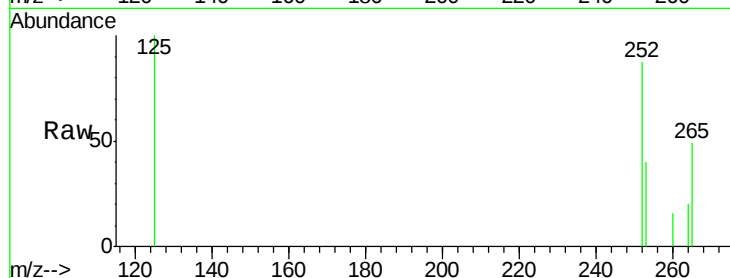
Tgt Ion: 252 Resp: 13333

Ion Ratio Lower Upper

252 100

253 45.8 21.8 32.8#

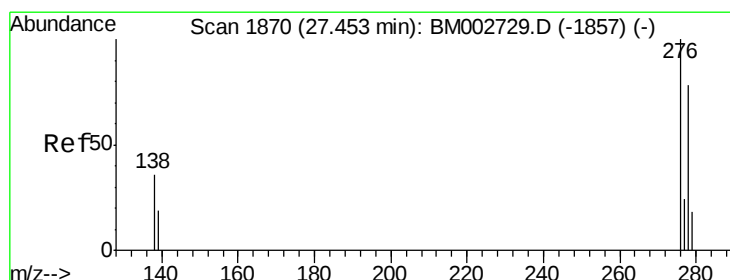
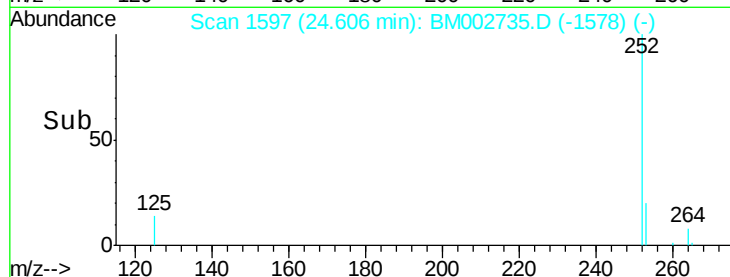
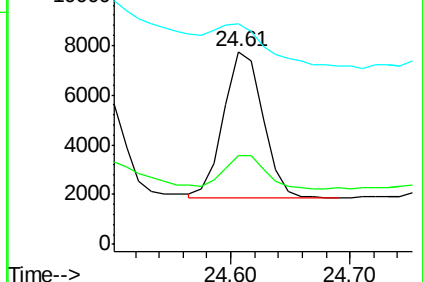
125 114.6 14.5 21.7#



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: 27.46 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BM002735.D

Acq: 28 Sep 2015 16:02

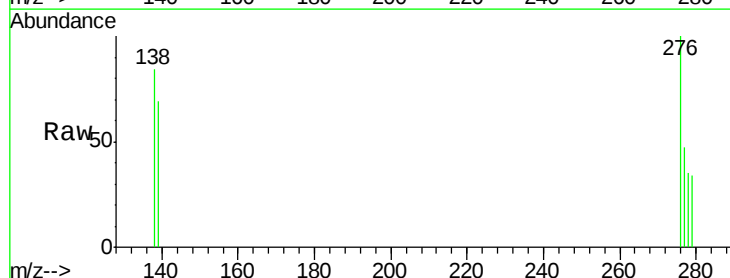
Tgt Ion: 276 Resp: 9495

Ion Ratio Lower Upper

276 100

138 31.9 27.5 41.3

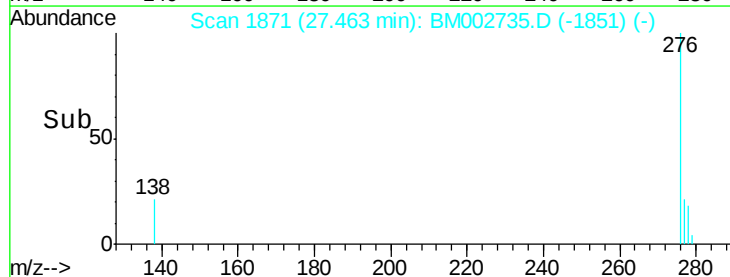
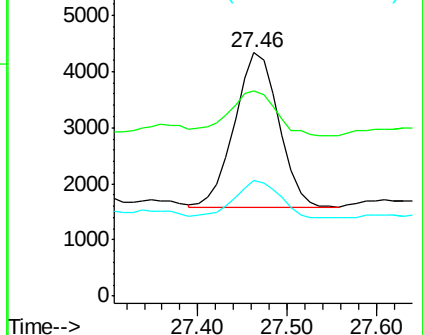
277 24.9 19.3 28.9

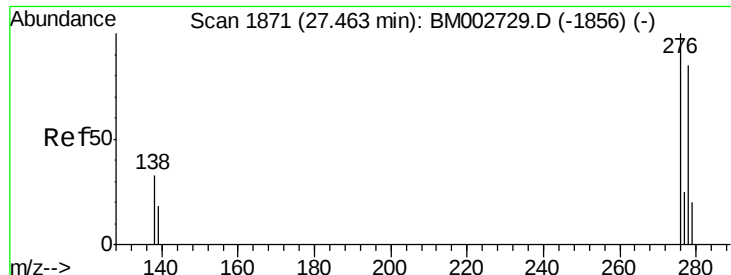


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 27.46 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BM002735.D

Acq: 28 Sep 2015 16:02

Instrument :

BNA_M

ClientSampleId :

D9G71

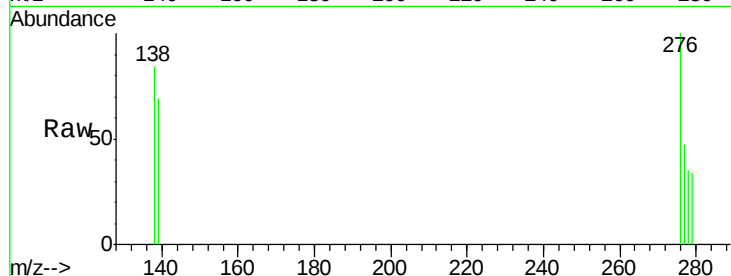
Tgt Ion:278 Resp: 2368

Ion Ratio Lower Upper

278 100

139 196.4 21.7 32.5#

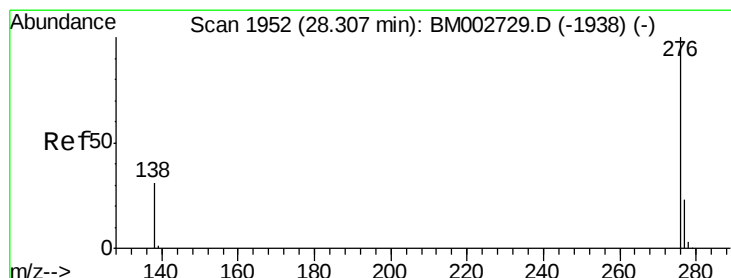
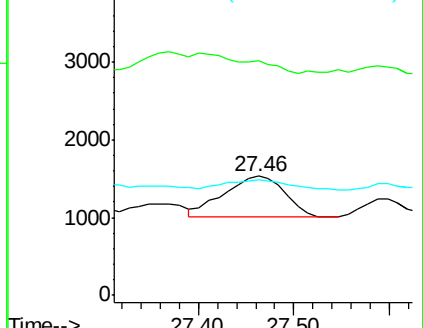
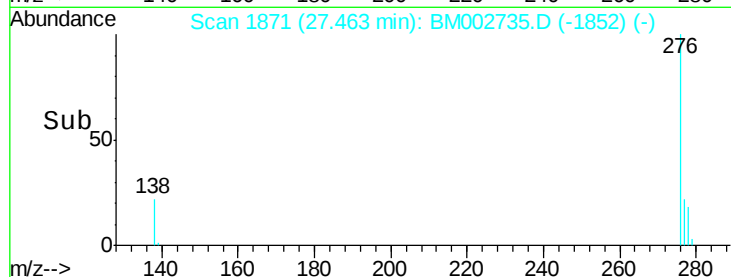
279 96.8 21.9 32.9#



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: 0.08 ng/ul

RT: 28.33 min Scan# 1954

Delta R.T. 0.02 min

Lab File: BM002735.D

Acq: 28 Sep 2015 16:02

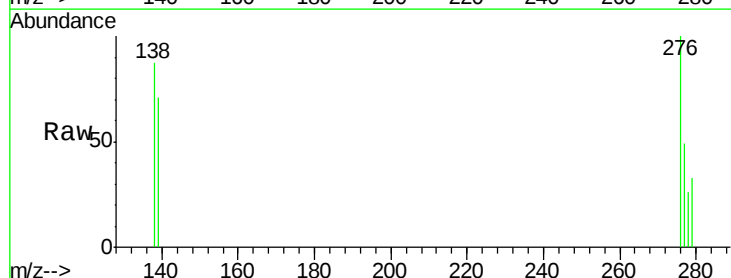
Tgt Ion:276 Resp: 10053

Ion Ratio Lower Upper

276 100

277 48.7 21.3 31.9#

138 86.5 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

