

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041116\
 Data File : BM004935.D
 Acq On : 11 Apr 2016 13:07
 Operator : UM/SJ
 Sample : H2275-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9T84RE

Quant Time: Apr 12 01:14:09 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 12 01:10:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1263	0.40	ng/ul	0.00
4) Naphthalene-d8	10.61	136	5466	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.45	164	3160	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.19	188	6857	0.40	ng/ul	0.00
18) Chrysene-d12	21.38	240	7055	0.40	ng/ul	-0.01
22) Perylene-d12	23.67	264	6513	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	632	1.11	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	874	0.11	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	2437	0.15	ng/ul	0.00

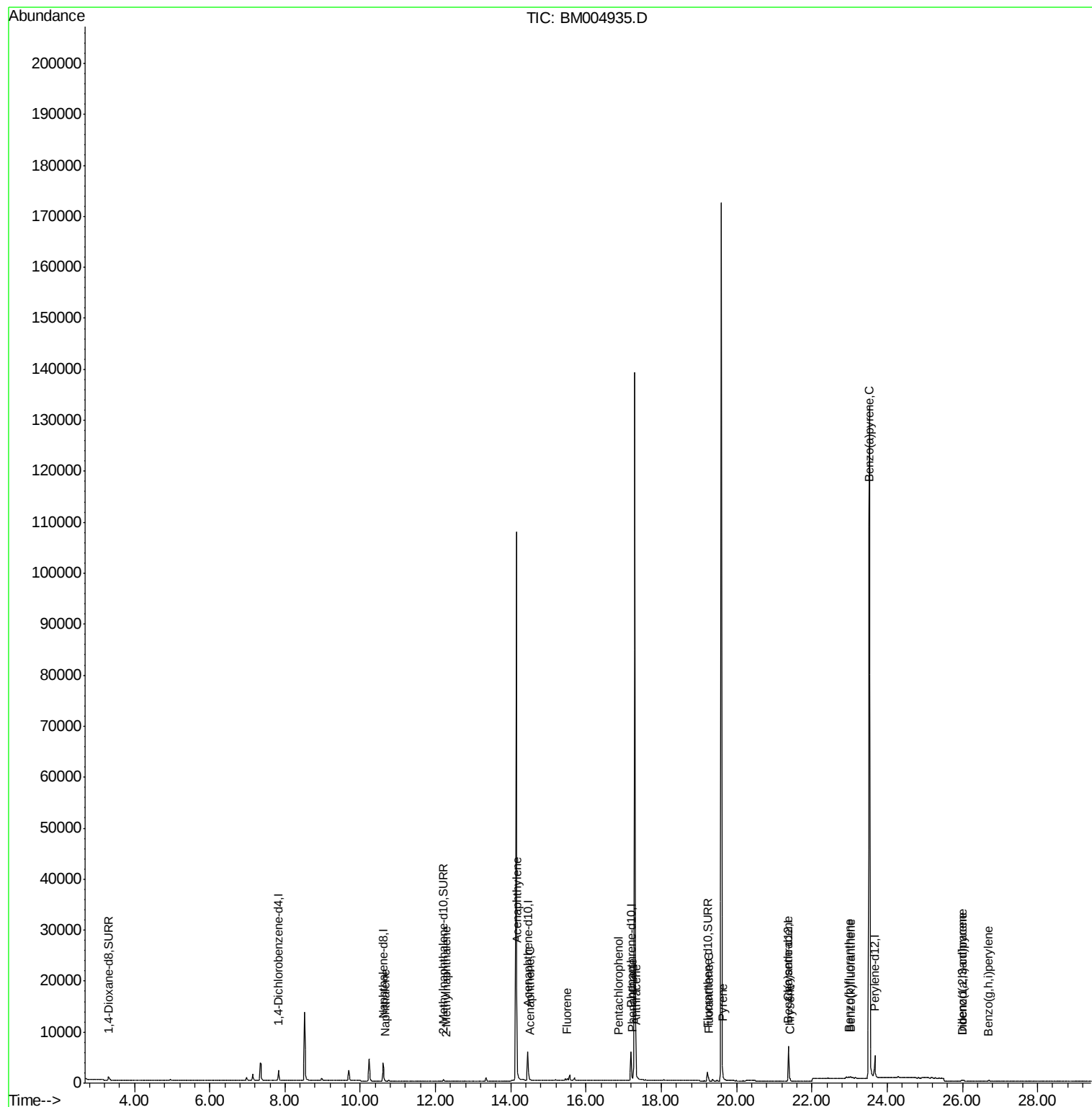
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.66	128	68	0.01	ng/ul#	1
7) 2-Methylnaphthalene	12.28	142	74	0.01	ng/ul	88
9) Acenaphthylene	14.16	152	120	0.01	ng/ul#	14
10) Acenaphthene	14.50	153	70	0.01	ng/ul#	75
11) Fluorene	15.50	166	227	0.02	ng/ul#	66
13) Pentachlorophenol	16.85	266	45	0.03	ng/ul	92
14) Phenanthrene	17.23	178	773	0.04	ng/ul#	75
15) Anthracene	17.33	178	506	0.03	ng/ul#	60
17) Fluoranthene	19.26	202	626	0.03	ng/ul	71
19) Pyrene	19.62	202	1011	0.04	ng/ul#	78
20) Benzo(a)anthracene	21.37	228	391	0.02	ng/ul#	67
21) Chrysene	21.42	228	390	0.02	ng/ul#	68
23) Benzo(b)fluoranthene	22.98	252	408	0.02	ng/ul#	1
24) Benzo(k)fluoranthene	23.03	252	274	0.01	ng/ul#	1
25) Benzo(a)pyrene	23.52	252	922	0.05	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.99	276	276	0.01	ng/ul#	74
27) Dibenzo(a,h)anthracene	26.01	278	195	0.01	ng/ul#	1
28) Benzo(g,h,i)perylene	26.70	276	223	0.01	ng/ul#	13

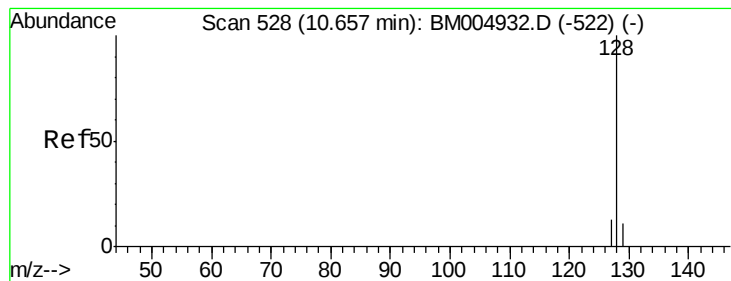
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.66 min Scan# 528

Delta R.T. -0.00 min

Lab File: BM004935.D

Acq: 11 Apr 2016 13:07

Instrument :

BNA_M

ClientSampleId :

D9T84RE

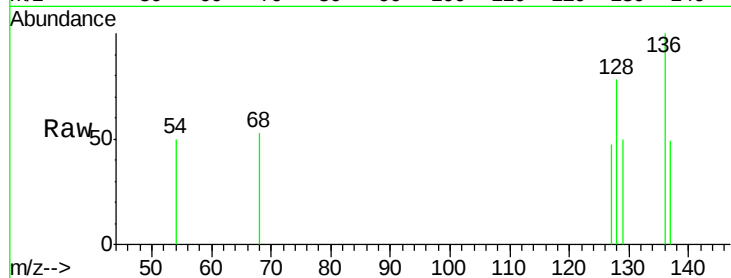
Tgt Ion:128 Resp: 68

Ion Ratio Lower Upper

128 100

129 64.4 9.0 13.6#

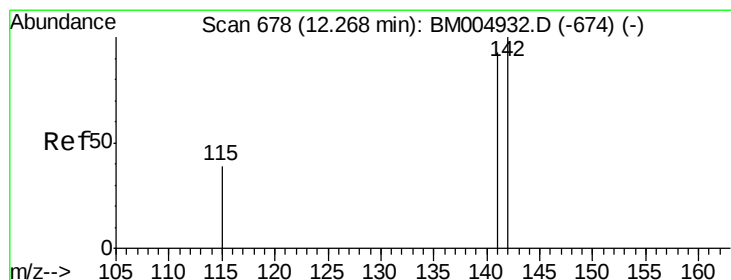
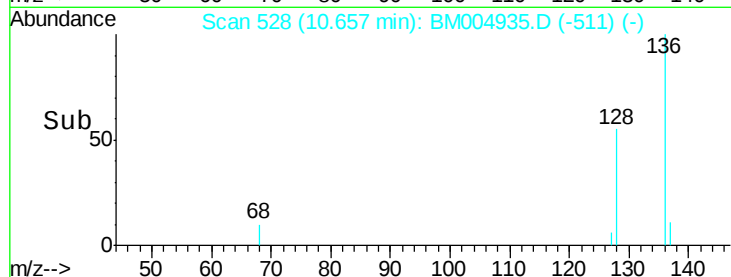
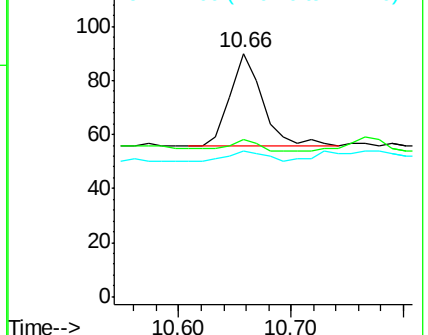
127 60.0 9.6 14.4#



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: 12.28 min Scan# 679

Delta R.T. 0.01 min

Lab File: BM004935.D

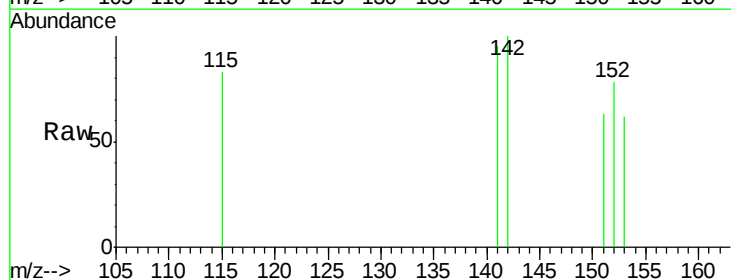
Acq: 11 Apr 2016 13:07

Tgt Ion:142 Resp: 74

Ion Ratio Lower Upper

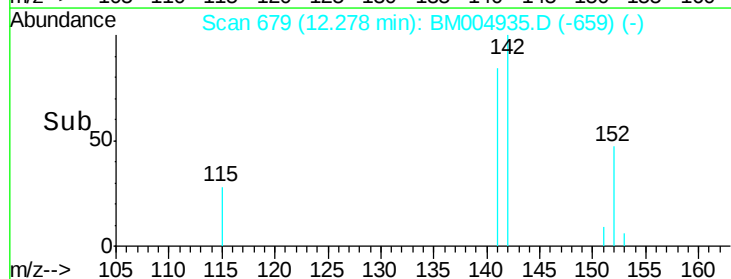
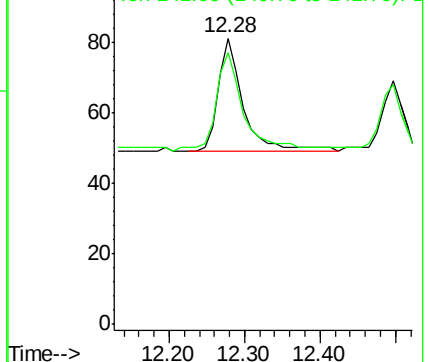
142 100

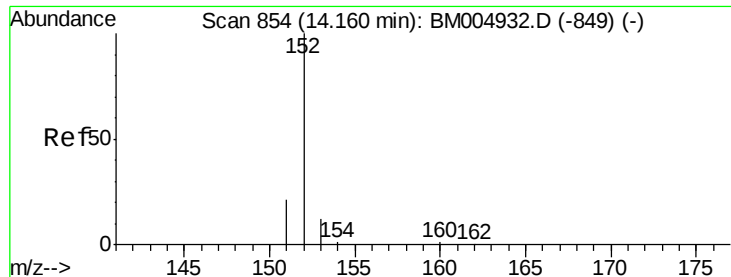
141 98.6 70.3 105.5



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: 14.16 min Scan# 854

Delta R.T. -0.00 min

Lab File: BM004935.D

Acq: 11 Apr 2016 13:07

Instrument :

BNA_M

ClientSampleId :

D9T84RE

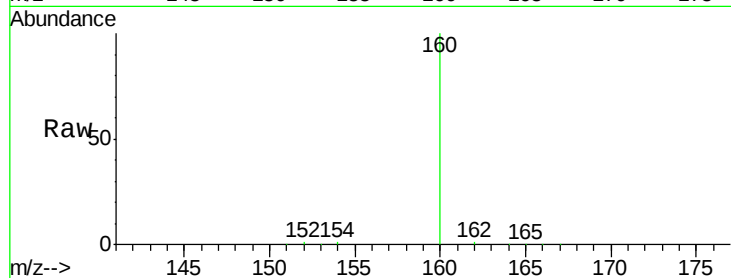
Tgt Ion:152 Resp: 120

Ion Ratio Lower Upper

152 100

151 56.9 17.6 26.4#

153 55.0 9.7 14.5#



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

14.16

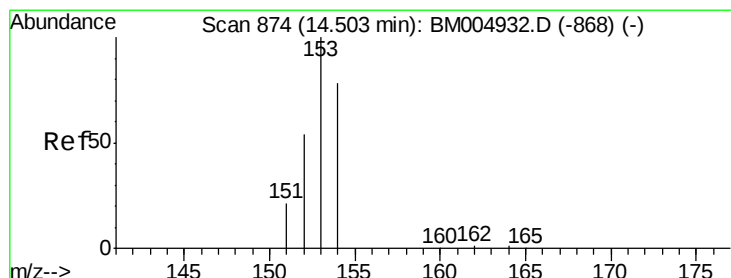
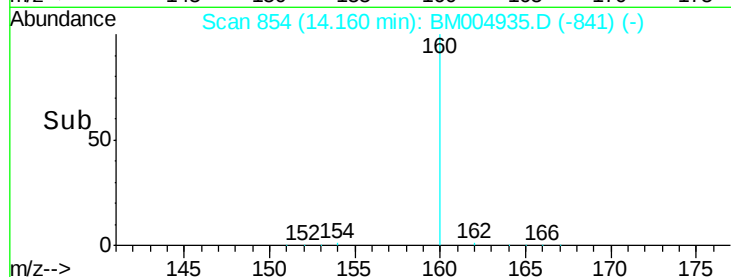
100

50

0

Time-->

14.00 14.10 14.20 14.30



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.50 min Scan# 874

Delta R.T. -0.00 min

Lab File: BM004935.D

Acq: 11 Apr 2016 13:07

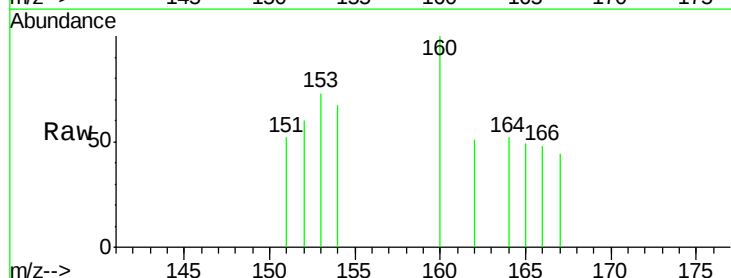
Tgt Ion:153 Resp: 70

Ion Ratio Lower Upper

153 100

152 81.9 33.9 50.9#

154 91.6 80.6 121.0



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

14.50

100

80

60

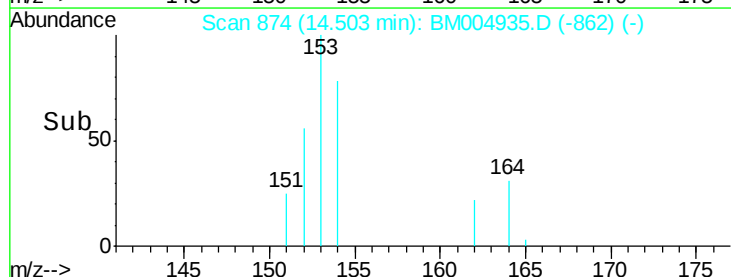
40

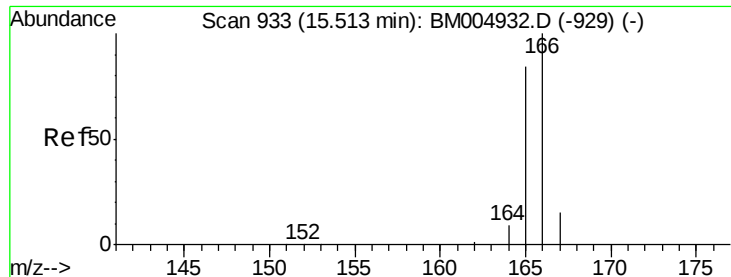
20

0

Time-->

14.45 14.50 14.55 14.60

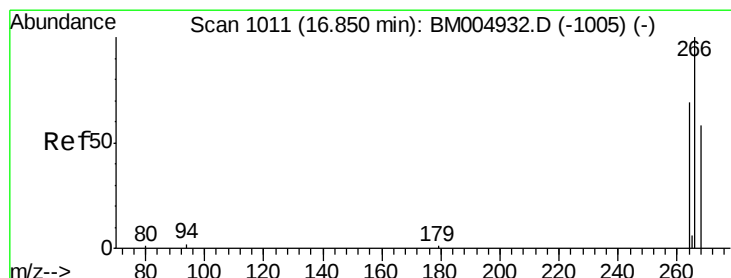
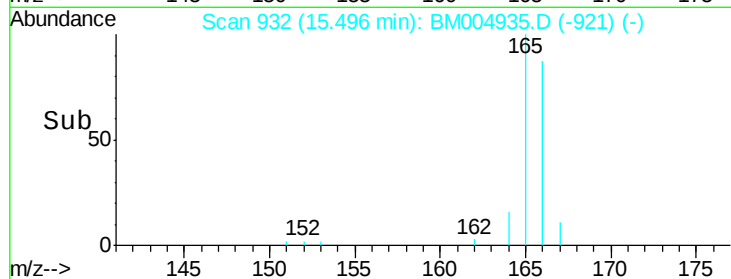
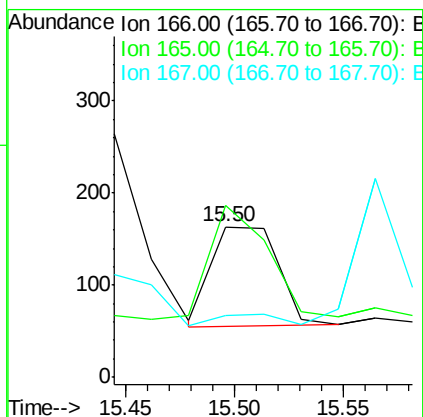
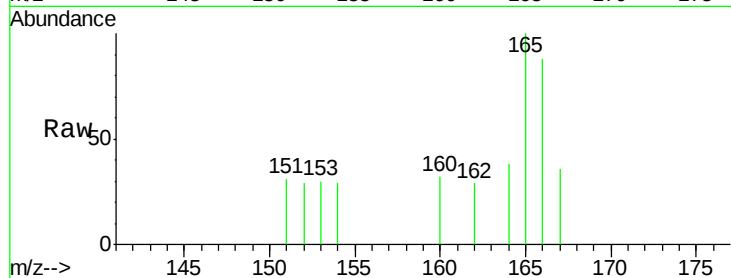




#11
Fluorene
 Concen: 0.02 ng/ul
 RT: 15.50 min Scan# 932
 Delta R.T. -0.02 min
 Lab File: BM004935.D
 Acq: 11 Apr 2016 13:07

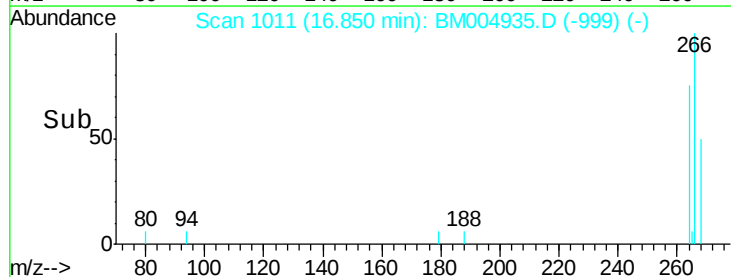
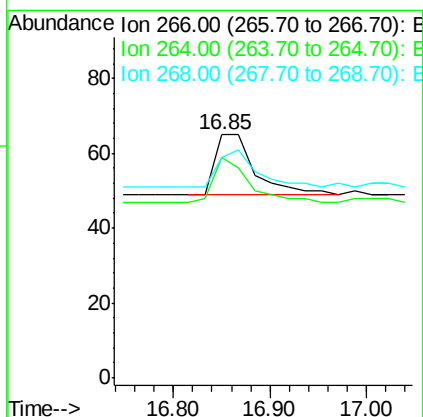
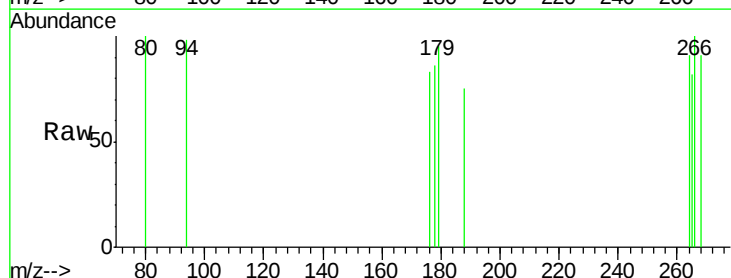
Instrument :
 BNA_M
 ClientSampleId :
 D9T84RE

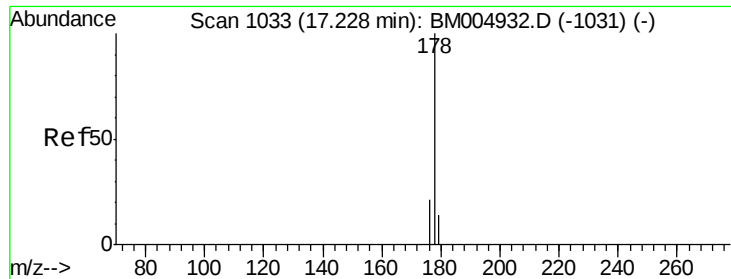
Tgt Ion:166 Resp: 227
 Ion Ratio Lower Upper
 166 100
 165 114.1 69.6 104.4#
 167 41.1 11.9 17.9#



#13
Pentachlorophenol
 Concen: 0.03 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: BM004935.D
 Acq: 11 Apr 2016 13:07

Tgt Ion:266 Resp: 45
 Ion Ratio Lower Upper
 266 100
 264 66.7 51.8 77.8
 268 68.9 46.8 70.2





#14

Phenanthrene

Concen: 0.04 ng/u1

RT: 17.23 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM004935.D

Acq: 11 Apr 2016 13:07

Instrument :

BNA_M

ClientSampleId :

D9T84RE

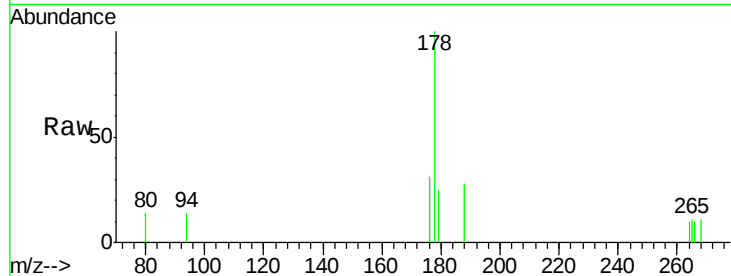
Tgt Ion:178 Resp: 773

Ion Ratio Lower Upper

178 100

176 30.5 13.0 19.4#

179 25.1 14.2 21.2#



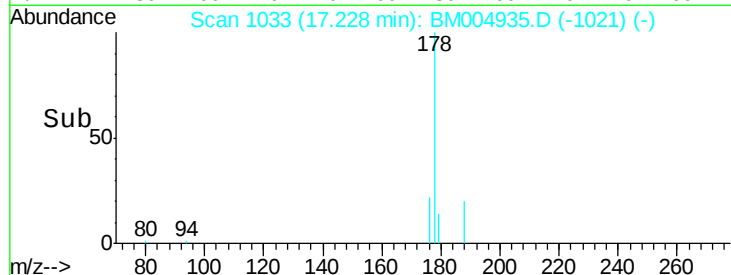
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

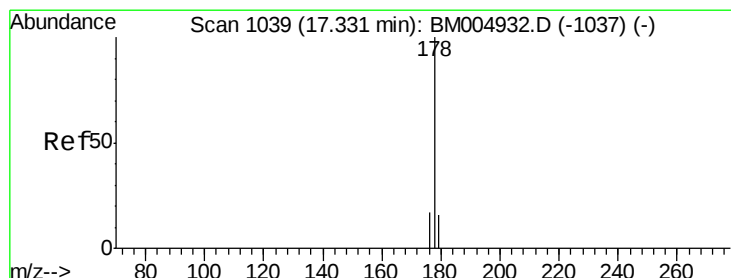
17.23

Time-->



17.23

Time-->



#15

Anthracene

Concen: 0.03 ng/u1

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004935.D

Acq: 11 Apr 2016 13:07

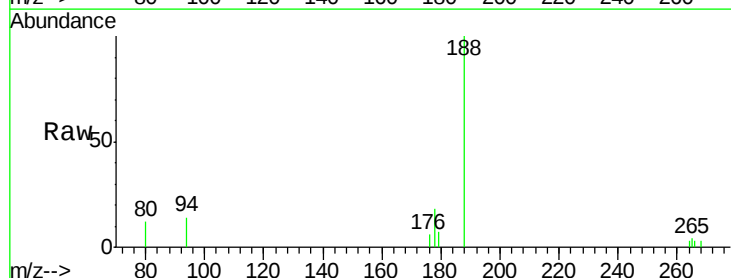
Tgt Ion:178 Resp: 506

Ion Ratio Lower Upper

178 100

176 32.1 14.0 21.0#

179 36.4 12.9 19.3#



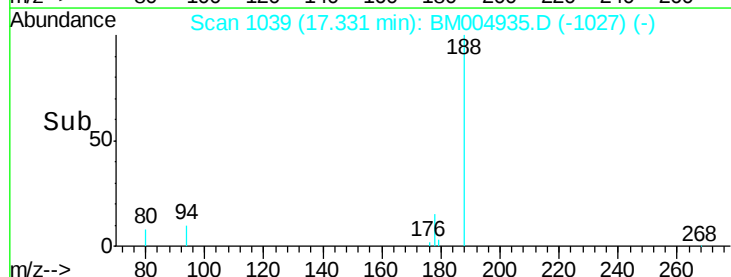
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.33

Time-->



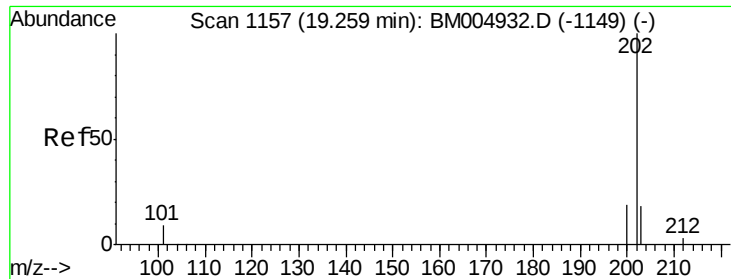
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.33

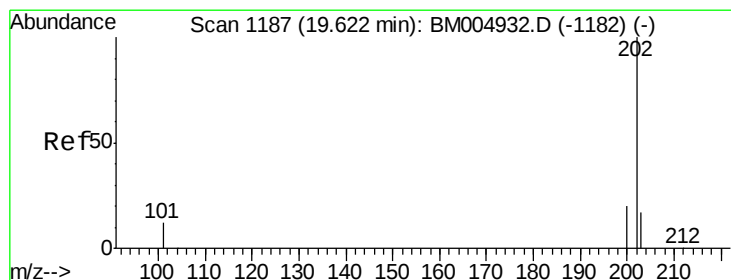
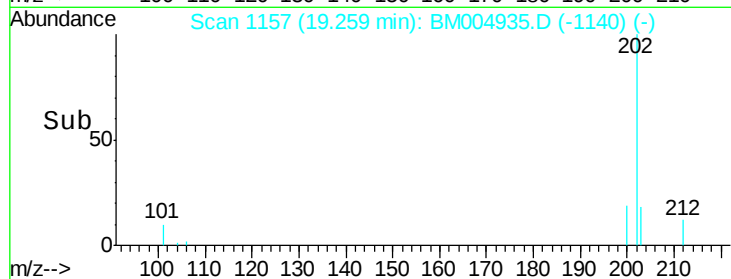
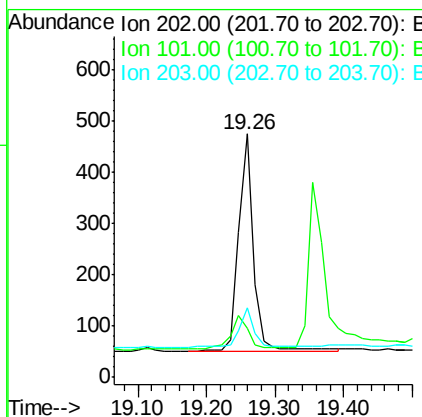
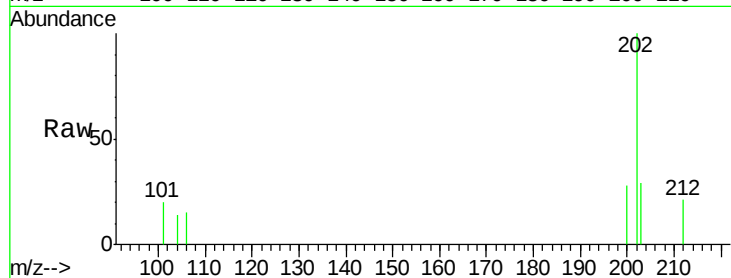
Time-->



#17
Fluoranthene
 Concen: 0.03 ng/ul
 RT: 19.26 min Scan# 1157
 Delta R.T. -0.00 min
 Lab File: BM004935.D
 Acq: 11 Apr 2016 13:07

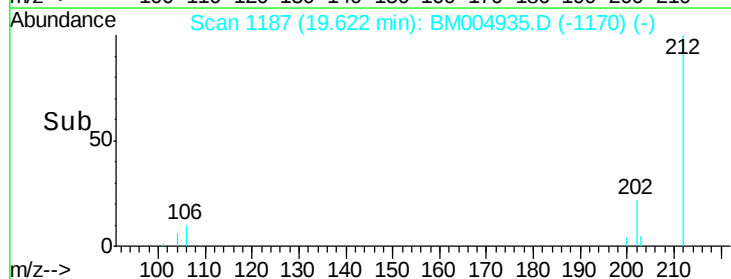
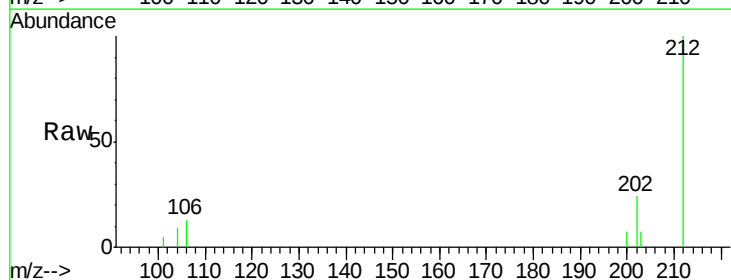
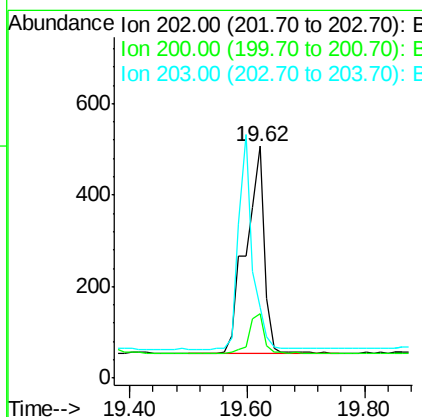
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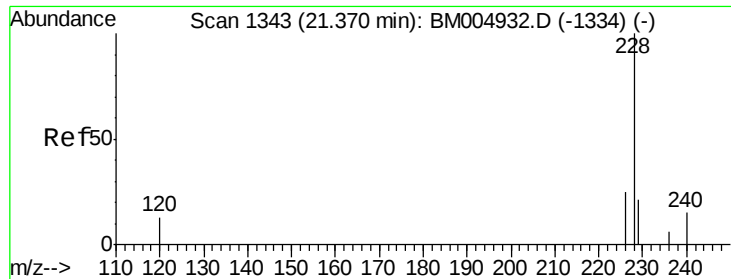
Tgt Ion: 202 Resp: 626
 Ion Ratio Lower Upper
 202 100
 101 20.5 0.0 29.6
 203 28.7 0.0 36.3



#19
Pyrene
 Concen: 0.04 ng/ul
 RT: 19.62 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BM004935.D
 Acq: 11 Apr 2016 13:07

Tgt Ion: 202 Resp: 1011
 Ion Ratio Lower Upper
 202 100
 200 28.1 17.8 26.8#
 203 30.8 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BM004935.D

Acq: 11 Apr 2016 13:07

Instrument :

BNA_M

ClientSampleId :

D9T84RE

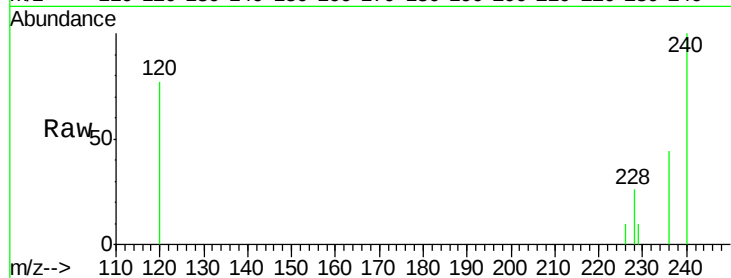
Tgt Ion:228 Resp: 391

Ion Ratio Lower Upper

228 100

226 38.4 18.8 28.2#

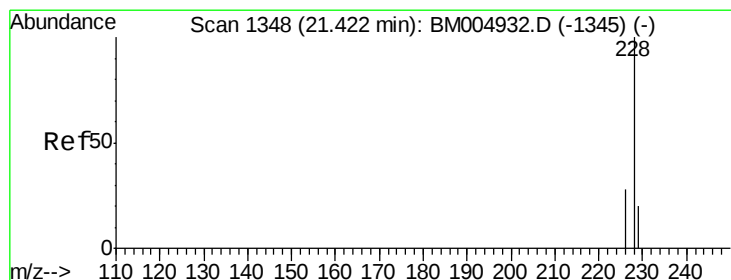
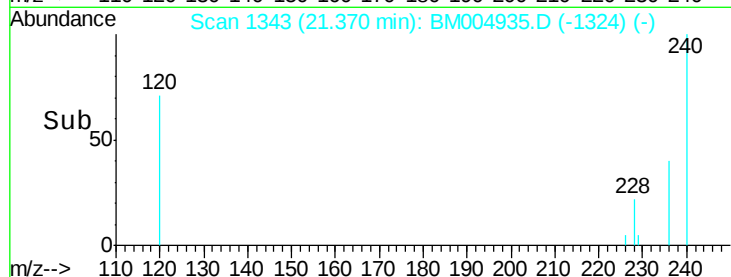
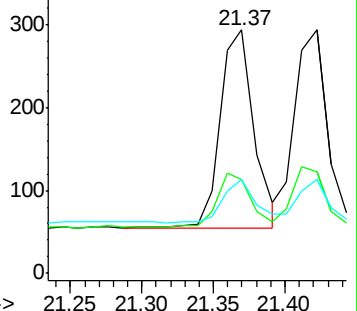
229 38.4 17.1 25.7#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Chrysene

Concen: 0.02 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM004935.D

Acq: 11 Apr 2016 13:07

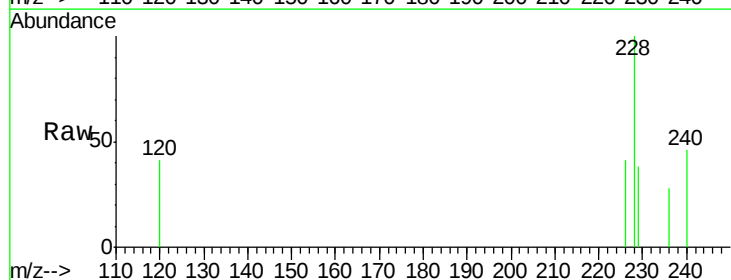
Tgt Ion:228 Resp: 390

Ion Ratio Lower Upper

228 100

226 41.5 21.2 31.8#

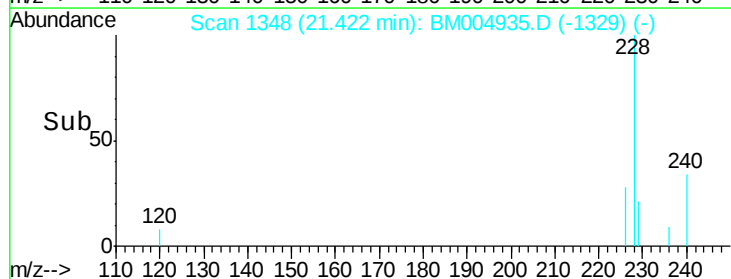
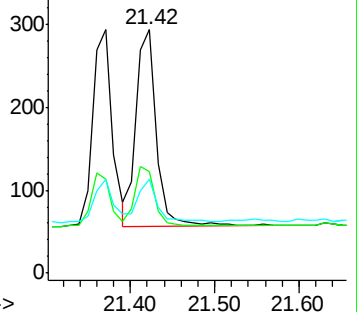
229 38.4 17.0 25.6#

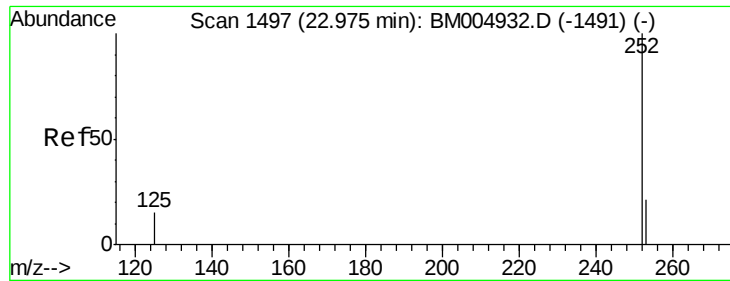


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.98 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BM004935.D

Acq: 11 Apr 2016 13:07

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ClientSampleId :

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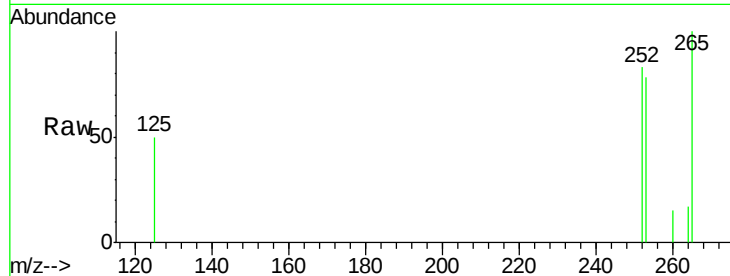
Tgt Ion:252 Resp: 408

Ion Ratio Lower Upper

252 100

253 93.5 0.0 45.4#

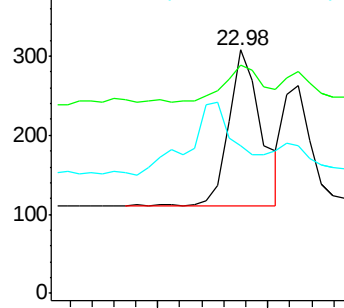
125 60.4 0.0 28.8#



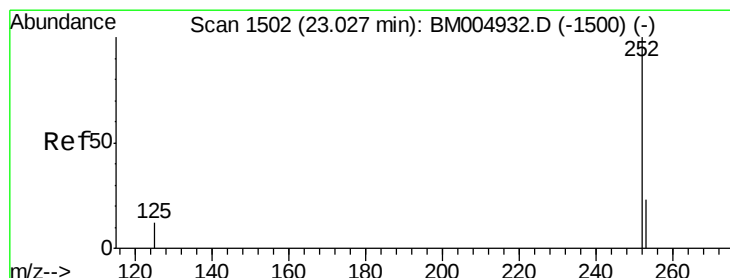
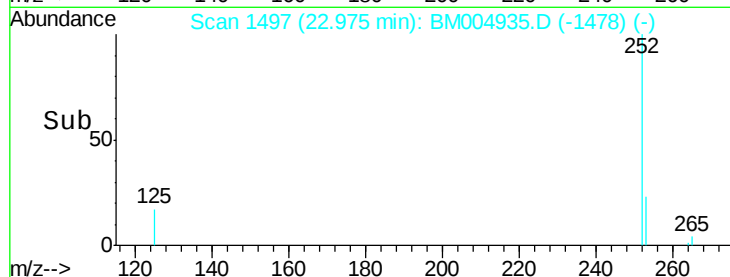
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 23.03 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BM004935.D

Acq: 11 Apr 2016 13:07

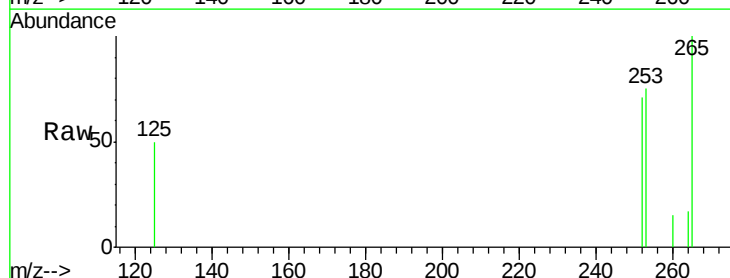
Tgt Ion:252 Resp: 274

Ion Ratio Lower Upper

252 100

253 106.5 19.8 29.8#

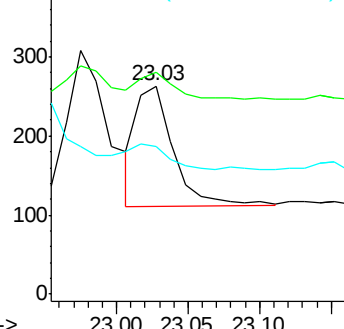
125 70.7 10.4 15.6#



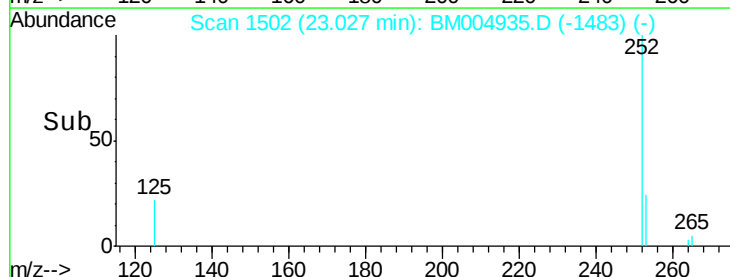
Abundance Ion 252.00 (251.70 to 252.70): E

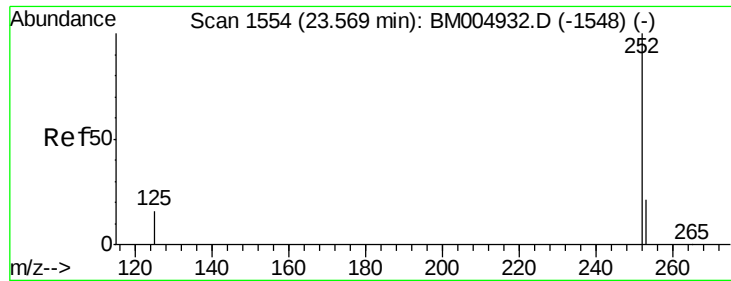
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#25

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 23.52 min Scan# 1549

Delta R.T. -0.05 min

Lab File: BM004935.D

Acq: 11 Apr 2016 13:07

Instrument :

BNA_M

ClientSampleId :

D9T84RE

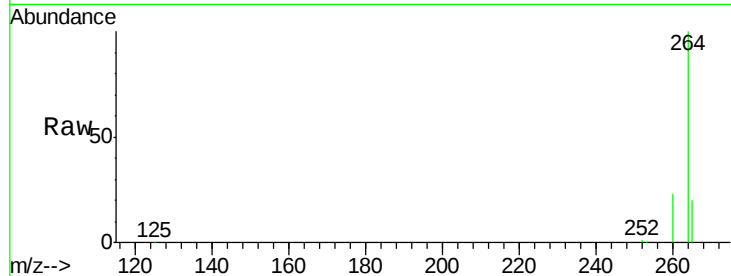
Tgt Ion: 252 Resp: 922

Ion Ratio Lower Upper

252 100

253 75.7 19.4 29.2#

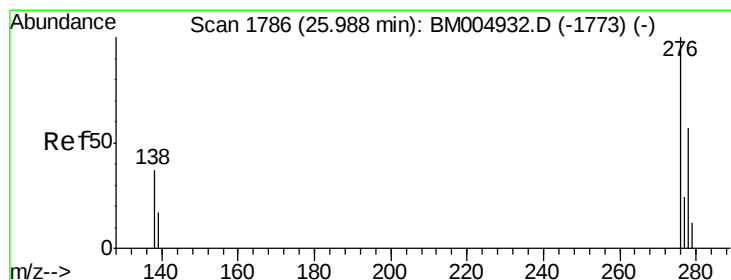
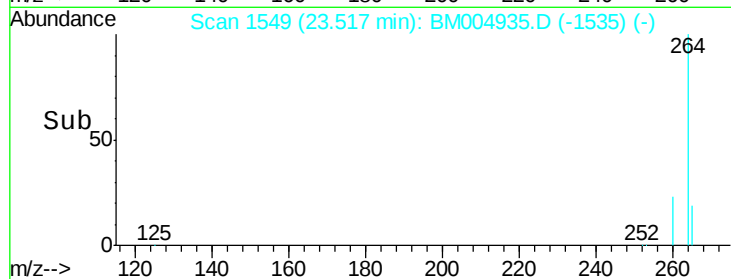
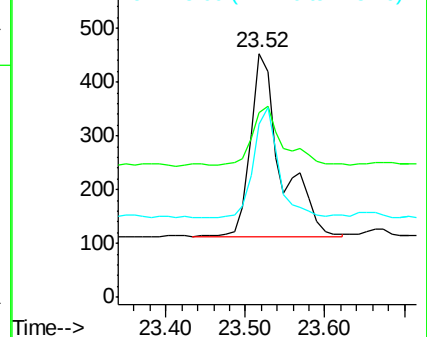
125 70.9 12.7 19.1#



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: 25.99 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BM004935.D

Acq: 11 Apr 2016 13:07

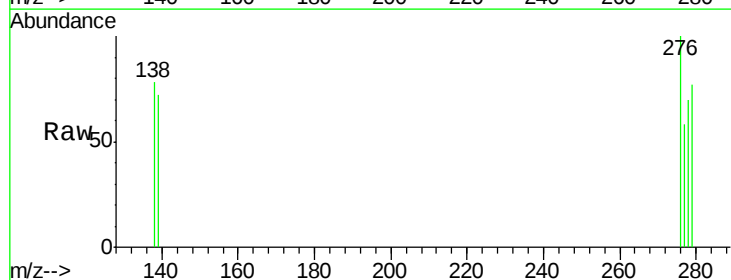
Tgt Ion: 276 Resp: 276

Ion Ratio Lower Upper

276 100

138 46.4 16.3 24.5#

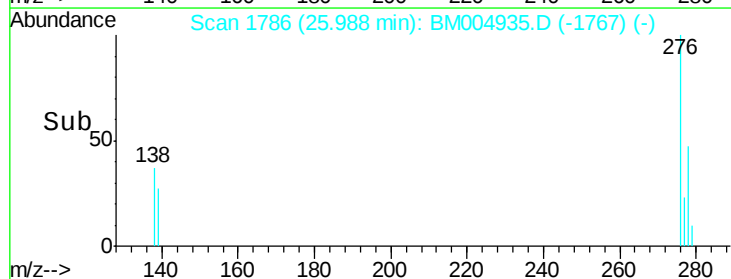
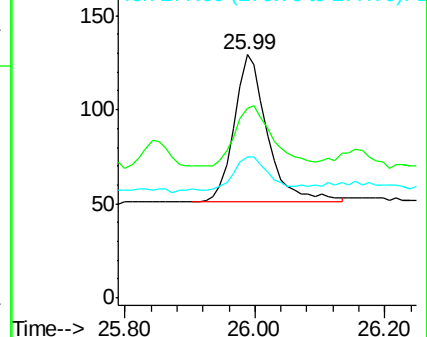
277 23.9 19.8 29.8

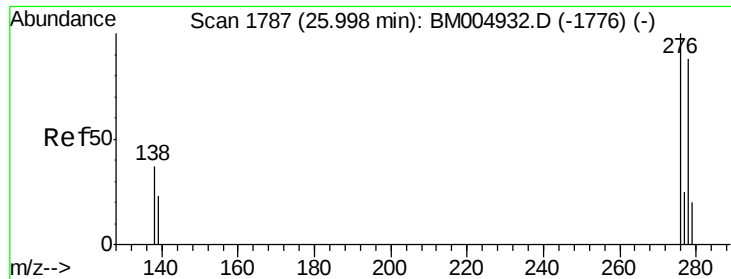


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

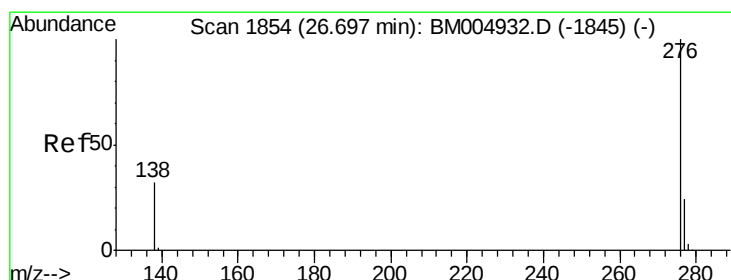
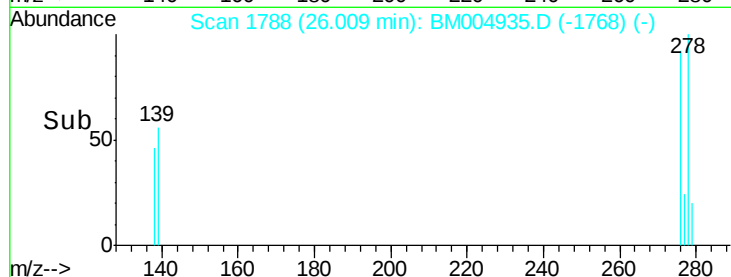
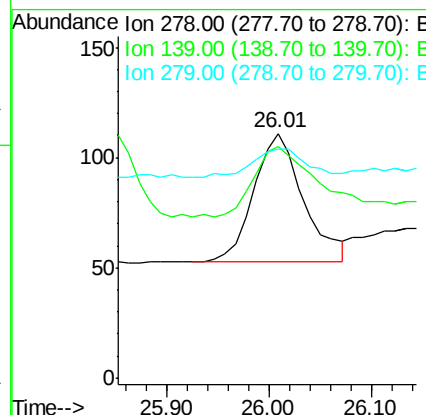
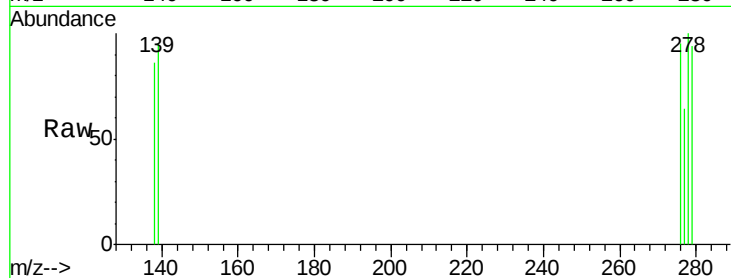




#27
Dibenzo(a,h)anthracene
Concen: 0.01 ng/ul
RT: 26.01 min Scan# 1788
Delta R.T. 0.01 min
Lab File: BM004935.D
Acq: 11 Apr 2016 13:07

Instrument :
BNA_M
ClientSampled :
D9T84RE

Tgt Ion: 278 Resp: 195
Ion Ratio Lower Upper
278 100
139 94.6 16.4 24.6#
279 93.7 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.01 ng/ul
RT: 26.70 min Scan# 1854
Delta R.T. -0.00 min
Lab File: BM004935.D
Acq: 11 Apr 2016 13:07

Tgt Ion: 276 Resp: 223
Ion Ratio Lower Upper
276 100
277 62.3 18.9 28.3#
138 77.2 22.5 33.7#

