

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
 Data File : BM003607.D
 Acq On : 17 Dec 2015 19:55
 Operator : UM/IZ
 Sample : G4767-24DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N46DL

Quant Time: Dec 18 00:47:04 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 00:41:46 2015
 Response via : Initial Calibration

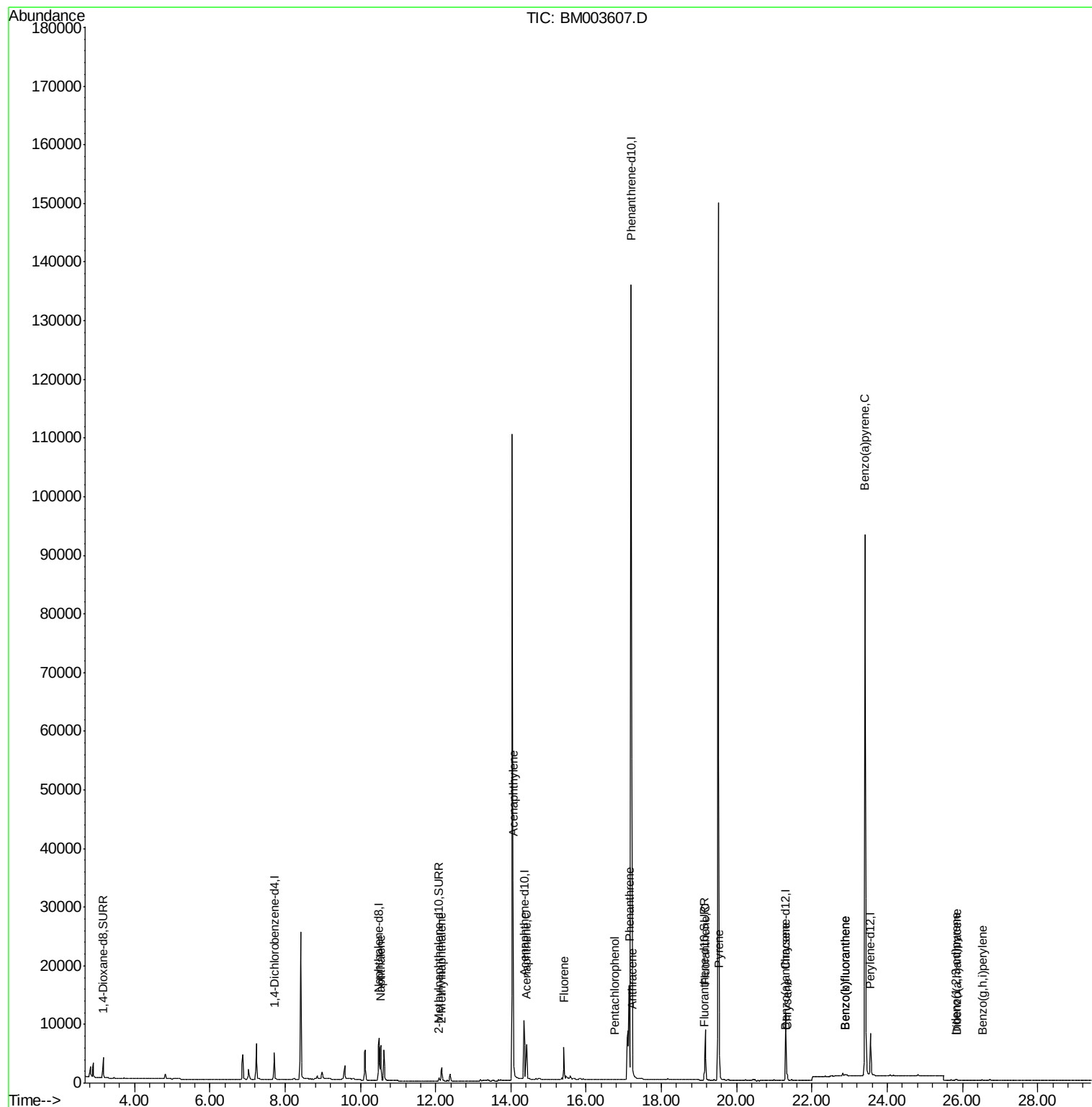
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	2603	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	10832	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.35	164	6359	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.19	188	172939	0.40	ng/ul	0.09
18) Chrysene-d12	21.30	240	10890	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	9746	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	2675	2.40	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	882	0.07	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	1640	0.00	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.55	128	9175	0.38	ng/ul	97
7) 2-Methylnaphthalene	12.16	142	1864	0.11	ng/ul	99
9) Acenaphthylene	14.06	152	663	0.03	ng/ul#	67
10) Acenaphthene	14.42	153	3975	0.20	ng/ul	94
11) Fluorene	15.41	166	4070	0.19	ng/ul	93
13) Pentachlorophenol	16.76	266	15	0.00	ng/ul	94
14) Phenanthrene	17.14	178	18194	0.04	ng/ul	96
15) Anthracene	17.23	178	1626	0.00	ng/ul#	82
17) Fluoranthene	19.17	202	8499	0.02	ng/ul	97
19) Pyrene	19.53	202	7502	0.26	ng/ul	98
20) Benzo(a)anthracene	21.28	228	1034	0.04	ng/ul#	79
21) Chrysene	21.34	228	952	0.03	ng/ul#	79
23) Benzo(b)fluoranthene	22.88	252	703	0.02	ng/ul#	1
24) Benzo(k)fluoranthene	22.88	252	703	0.02	ng/ul#	1
25) Benzo(a)pyrene	23.41	252	647	0.02	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.83	276	119	0.00	ng/ul#	88
27) Dibenzo(a,h)anthracene	25.84	278	55	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.53	276	96	0.00	ng/ul#	1

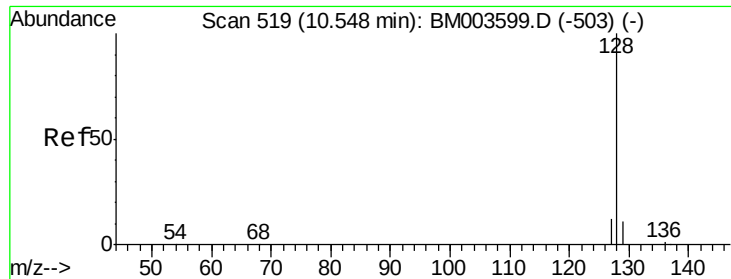
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.38 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM003607.D

Acq: 17 Dec 2015 19:55

Instrument :

BNA_M

ClientSampleId :

D9N46DL

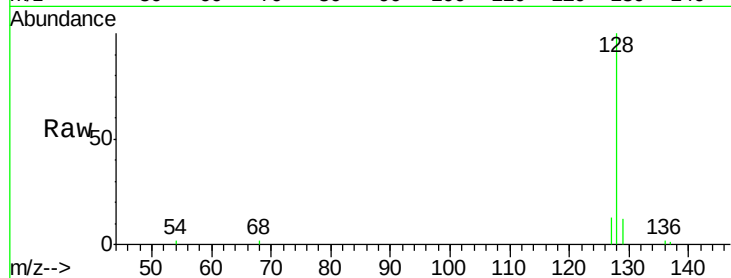
Tgt Ion:128 Resp: 9175

Ion Ratio Lower Upper

128 100

129 12.5 9.0 13.6

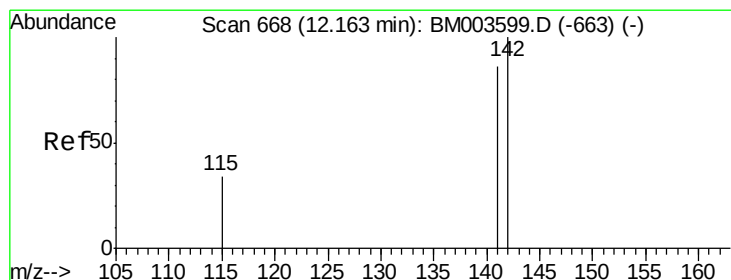
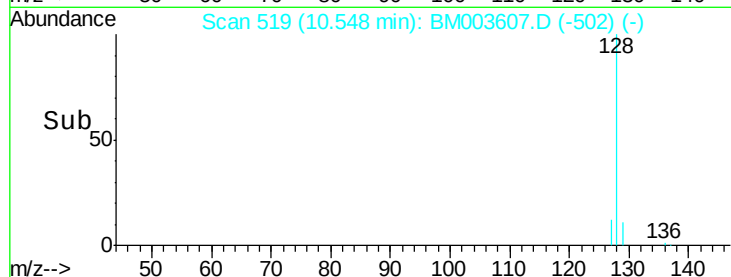
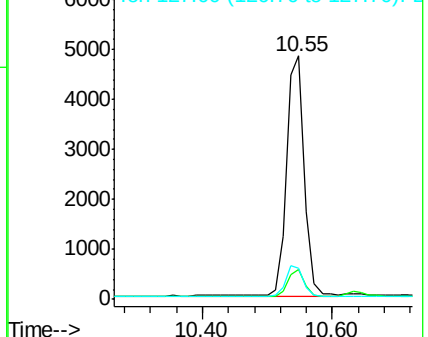
127 12.9 9.6 14.4



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: 0.11 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM003607.D

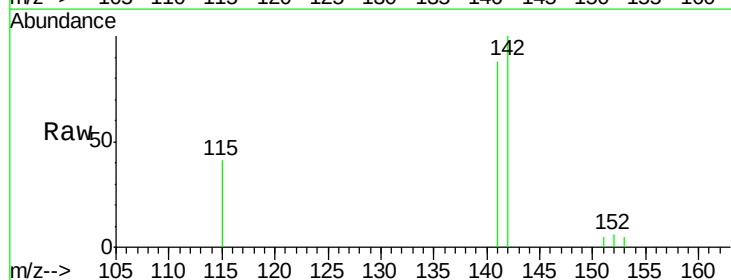
Acq: 17 Dec 2015 19:55

Tgt Ion:142 Resp: 1864

Ion Ratio Lower Upper

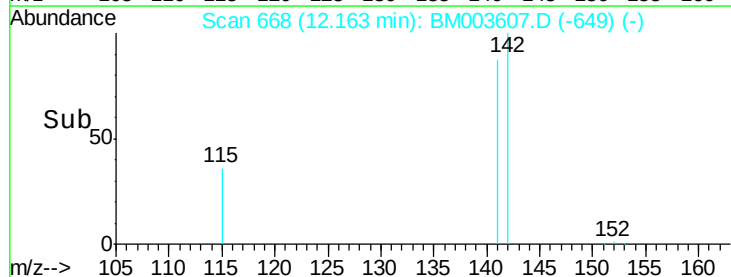
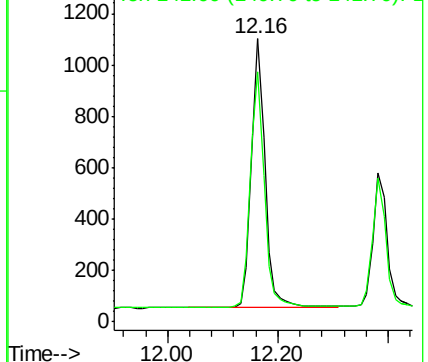
142 100

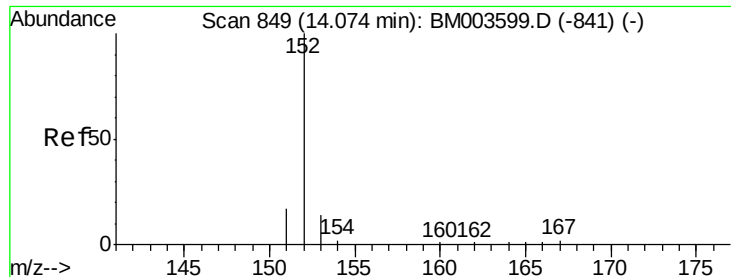
141 89.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.02 min

Lab File: BM003607.D

Acq: 17 Dec 2015 19:55

Instrument :

BNA_M

ClientSampleId :

D9N46DL

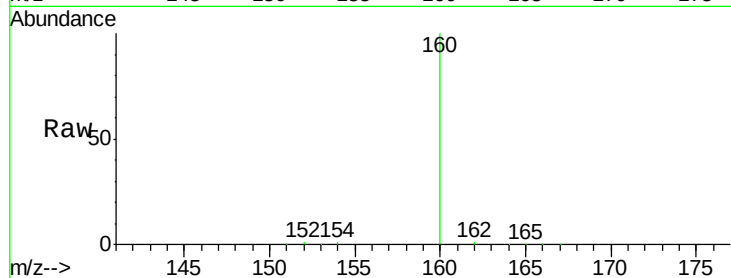
Tgt Ion:152 Resp: 663

Ion Ratio Lower Upper

152 100

151 33.9 17.6 26.4#

153 30.7 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

14.06

300

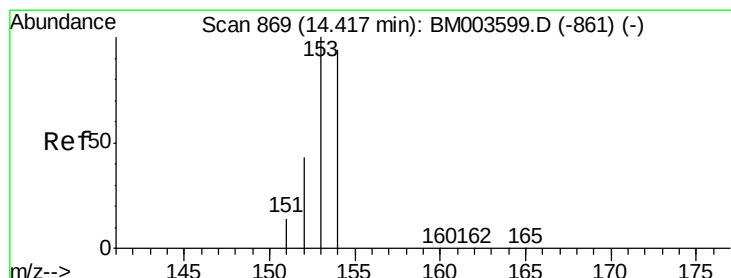
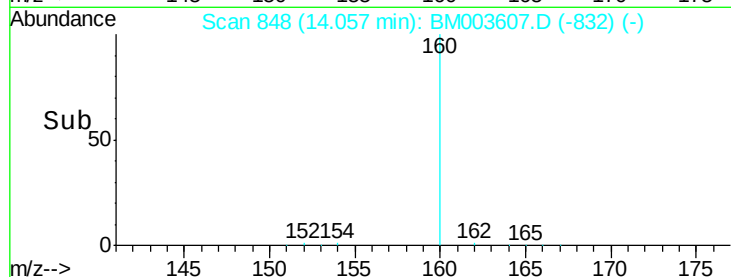
200

100

0

Time-->

13.90 14.00 14.10 14.20



#10

Acenaphthene

Concen: 0.20 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM003607.D

Acq: 17 Dec 2015 19:55

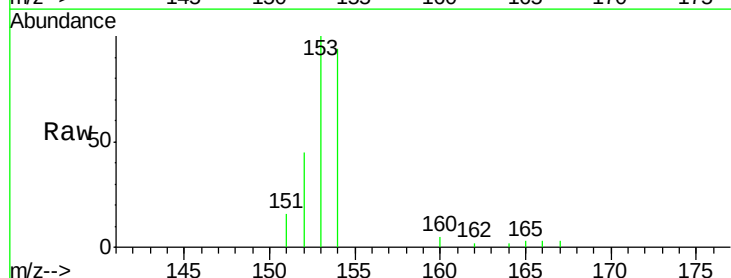
Tgt Ion:153 Resp: 3975

Ion Ratio Lower Upper

153 100

152 45.4 33.9 50.9

154 94.4 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

14.42

3000

2500

2000

1500

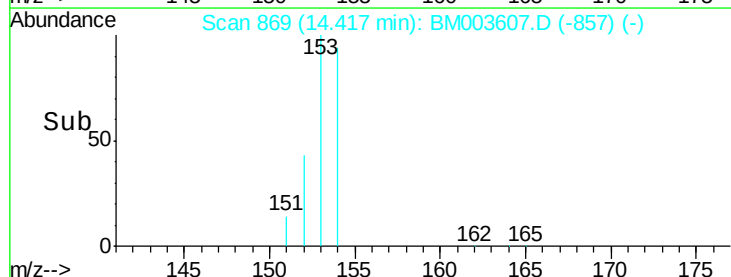
1000

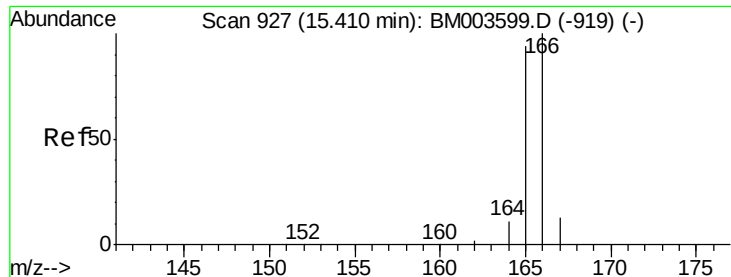
500

0

Time-->

14.35 14.40 14.45 14.50

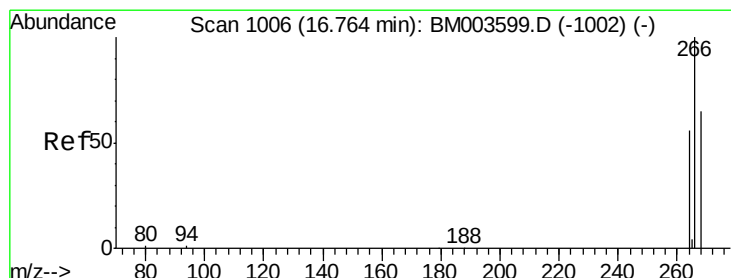
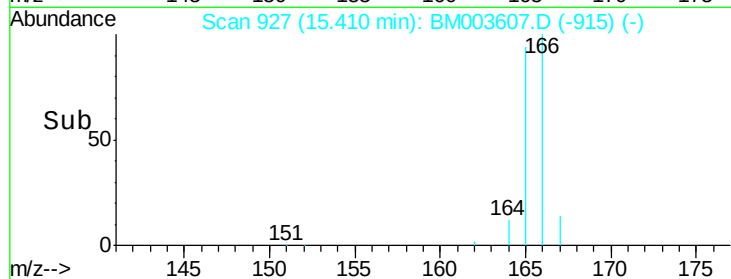
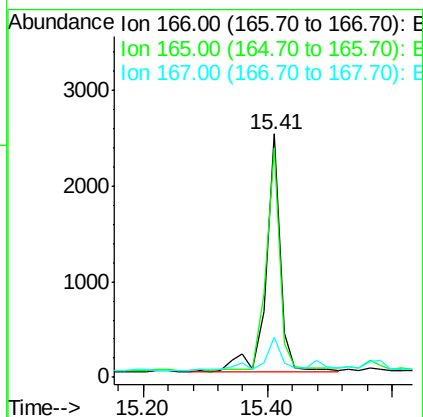
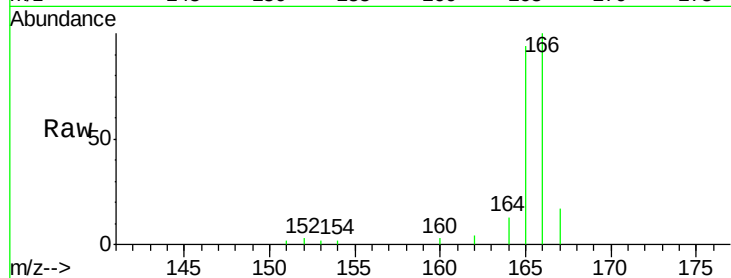




#11
 Fluorene
 Concen: 0.19 ng/ul
 RT: 15.41 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BM003607.D
 Acq: 17 Dec 2015 19:55

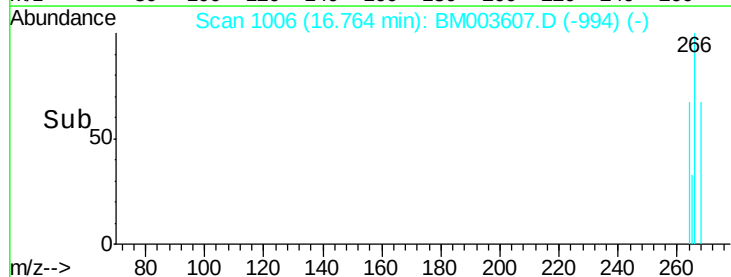
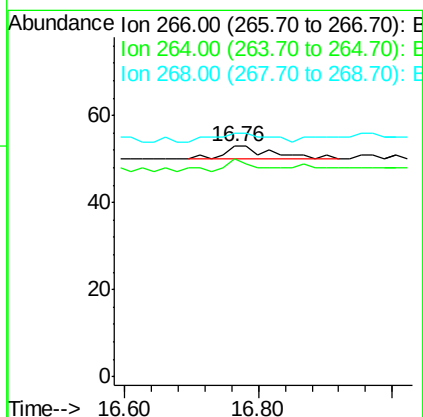
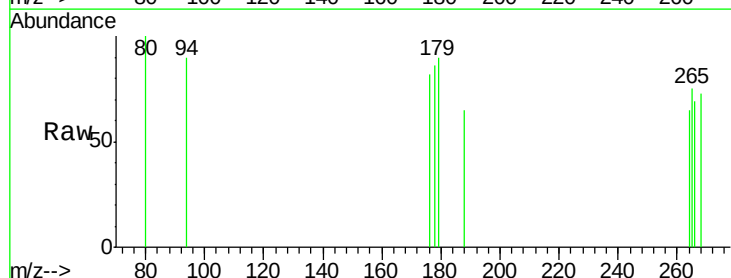
Instrument :
 BNA_M
 ClientSampleId :
 D9N46DL

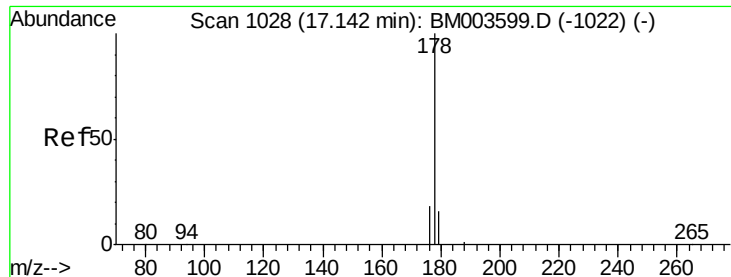
Tgt Ion:166 Resp: 4070
 Ion Ratio Lower Upper
 166 100
 165 94.3 69.6 104.4
 167 16.7 11.9 17.9



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: BM003607.D
 Acq: 17 Dec 2015 19:55

Tgt Ion:266 Resp: 15
 Ion Ratio Lower Upper
 266 100
 264 66.7 51.8 77.8
 268 66.7 46.8 70.2





#14

Phenanthrene

Concen: 0.04 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BM003607.D

Acq: 17 Dec 2015 19:55

Instrument :

BNA_M

ClientSampleId :

D9N46DL

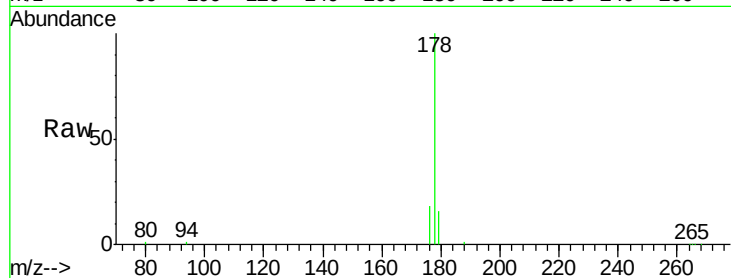
Tgt Ion:178 Resp: 18194

Ion Ratio Lower Upper

178 100

176 18.4 13.0 19.4

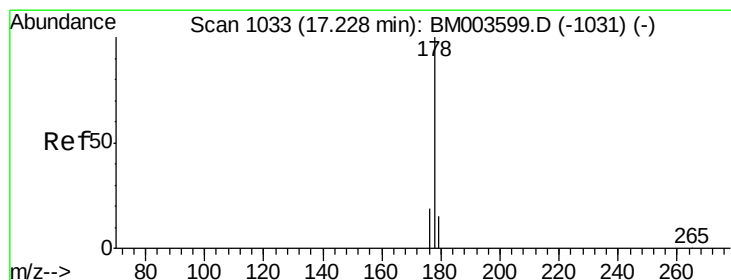
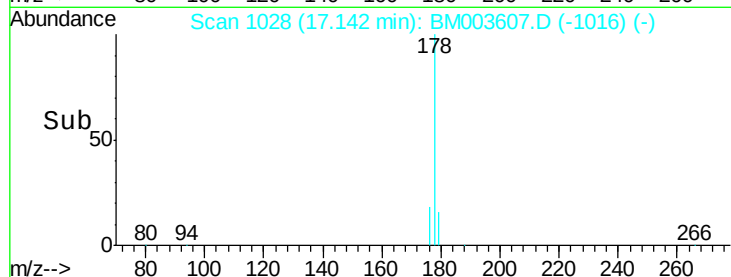
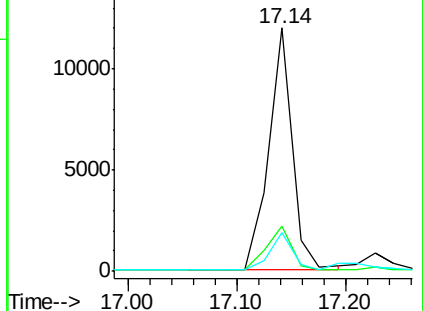
179 16.1 14.2 21.2



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



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM003607.D

Acq: 17 Dec 2015 19:55

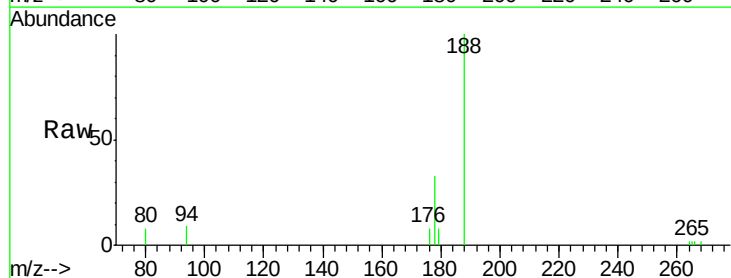
Tgt Ion:178 Resp: 1626

Ion Ratio Lower Upper

178 100

176 23.7 14.0 21.0#

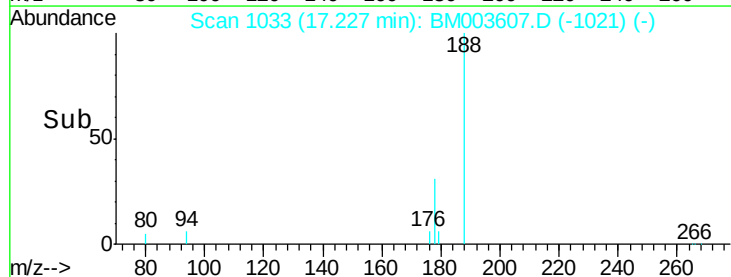
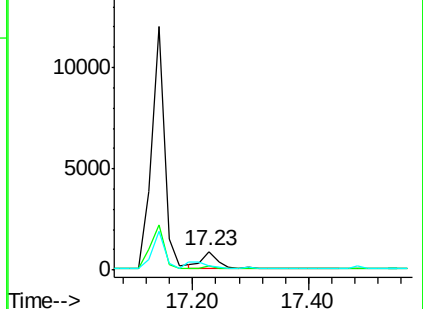
179 25.1 12.9 19.3#

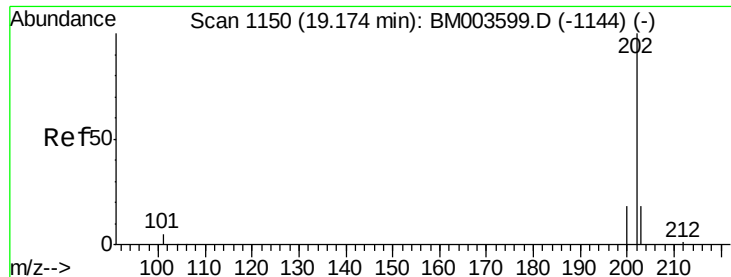


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.02 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BM003607.D

Acq: 17 Dec 2015 19:55

Instrument :

BNA_M

ClientSampleId :

D9N46DL

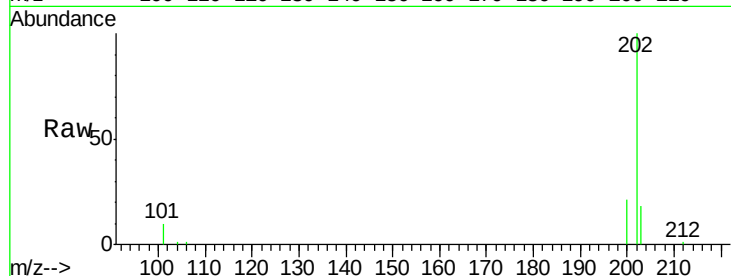
Tgt Ion:202 Resp: 8499

Ion Ratio Lower Upper

202 100

101 10.2 0.0 29.6

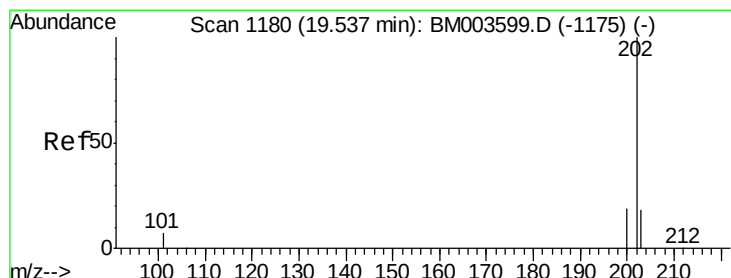
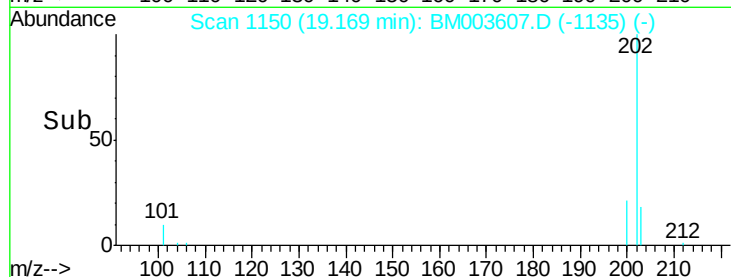
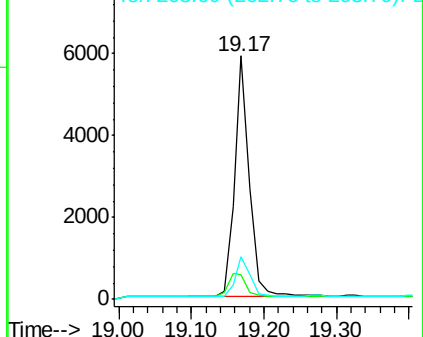
203 17.8 0.0 36.3



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: 0.26 ng/ul

RT: 19.53 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BM003607.D

Acq: 17 Dec 2015 19:55

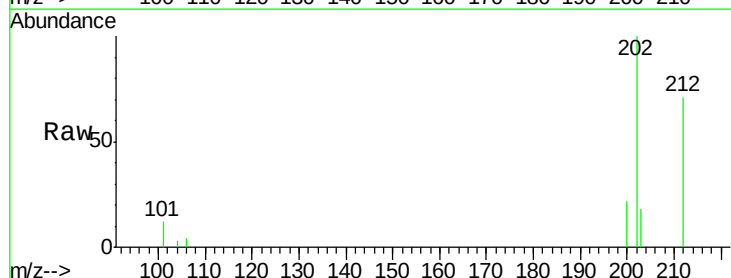
Tgt Ion:202 Resp: 7502

Ion Ratio Lower Upper

202 100

200 22.2 17.8 26.8

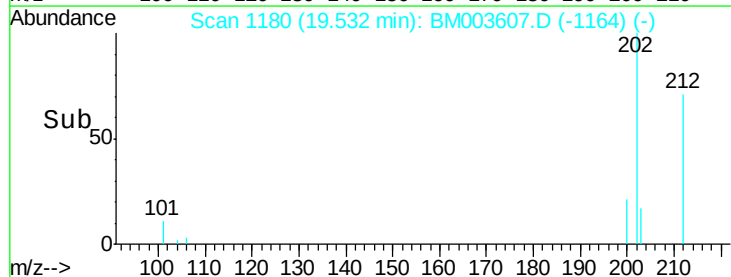
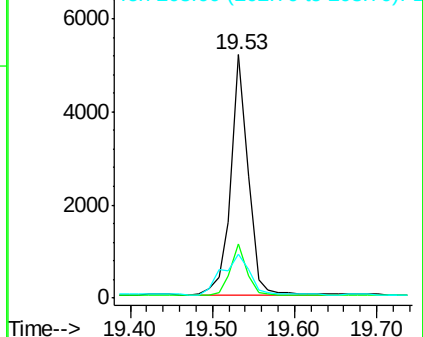
203 18.1 12.8 19.2

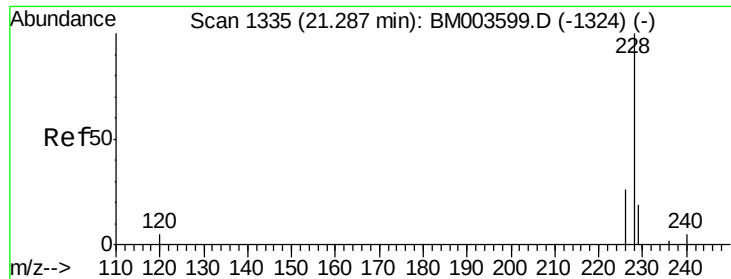


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BM003607.D

Acq: 17 Dec 2015 19:55

Instrument :

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D9N46DL

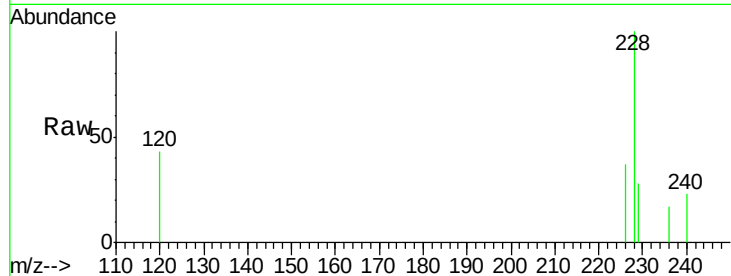
Tgt Ion:228 Resp: 1034

Ion Ratio Lower Upper

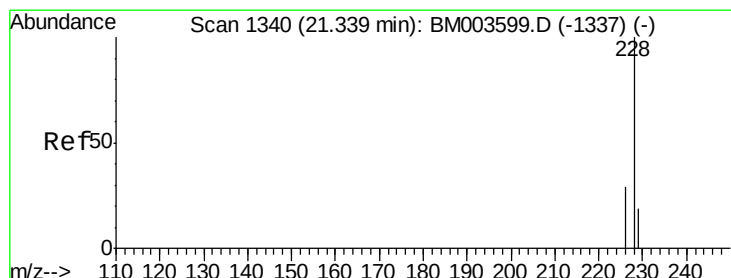
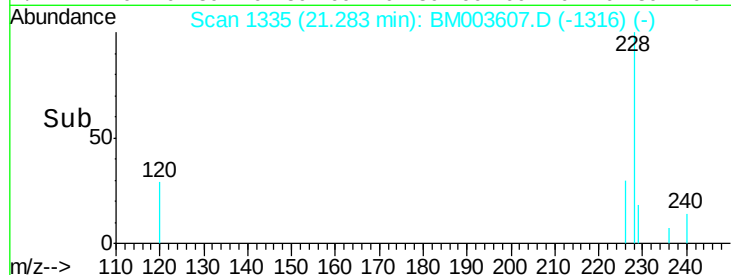
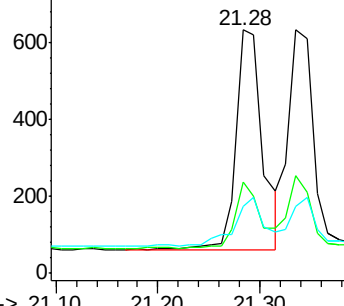
228 100

226 37.4 18.8 28.2#

229 27.8 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: 0.03 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BM003607.D

Acq: 17 Dec 2015 19:55

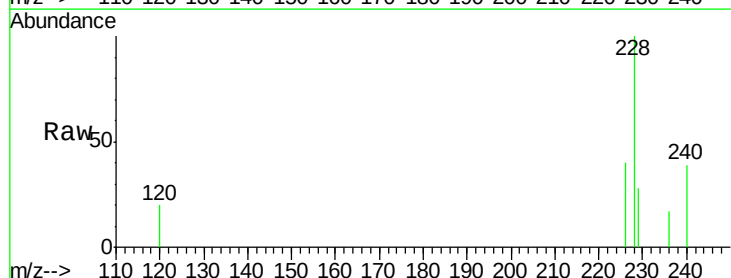
Tgt Ion:228 Resp: 952

Ion Ratio Lower Upper

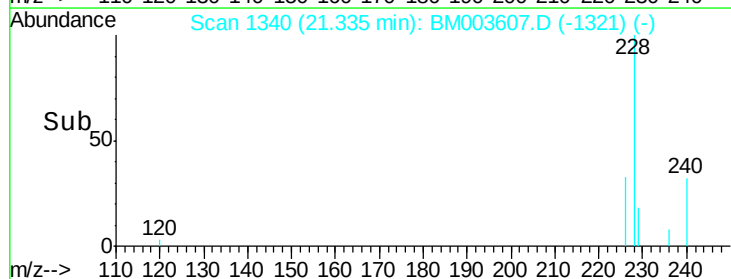
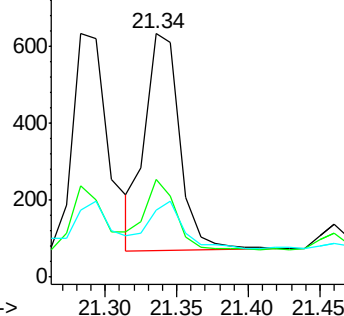
228 100

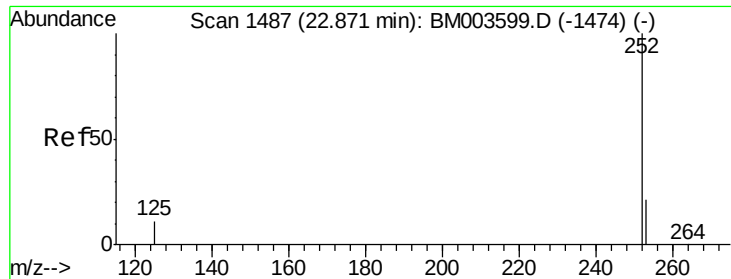
226 40.4 21.2 31.8#

229 27.8 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: 22.88 min Scan# 1488

Delta R.T. 0.01 min

Lab File: BM003607.D

Acq: 17 Dec 2015 19:55

Instrument :

BNA_M

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D9N46DL

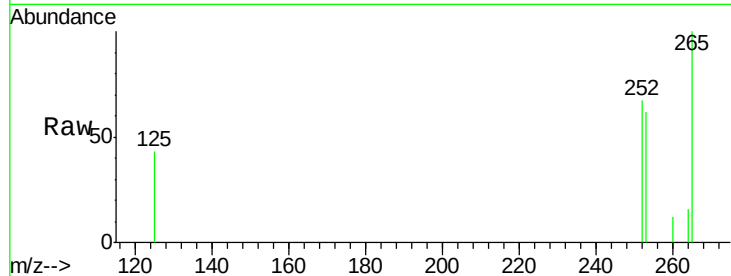
Tgt Ion: 252 Resp: 703

Ion Ratio Lower Upper

252 100

253 92.2 0.0 45.4#

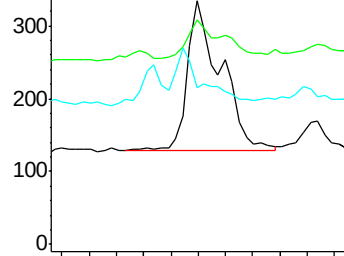
125 64.4 0.0 28.8#



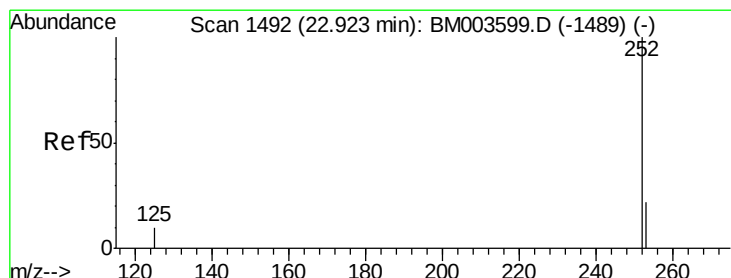
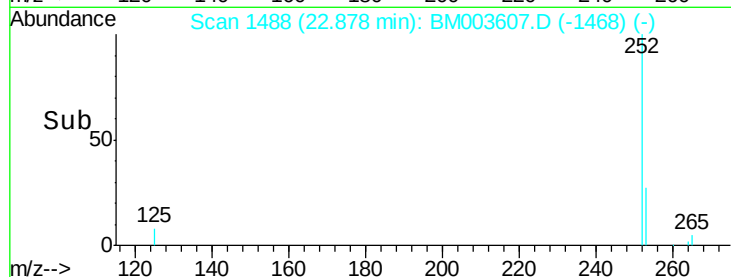
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.05 min

Lab File: BM003607.D

Acq: 17 Dec 2015 19:55

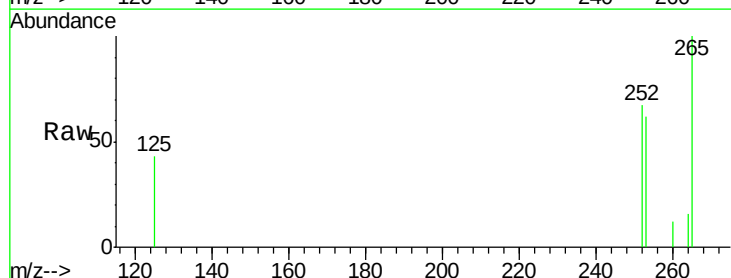
Tgt Ion: 252 Resp: 703

Ion Ratio Lower Upper

252 100

253 92.2 19.8 29.8#

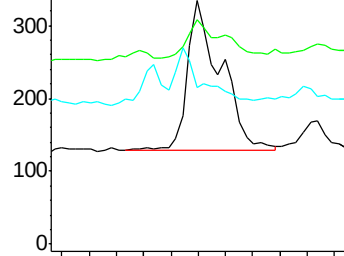
125 64.4 10.4 15.6#



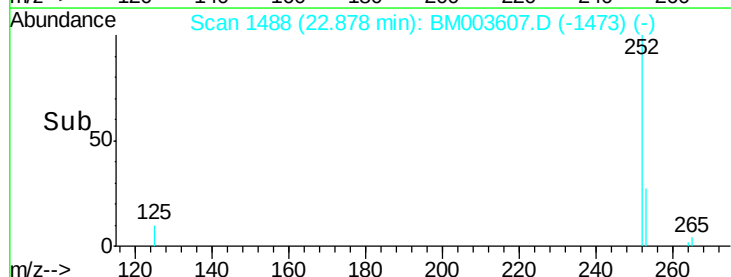
Abundance Ion 252.00 (251.70 to 252.70): E

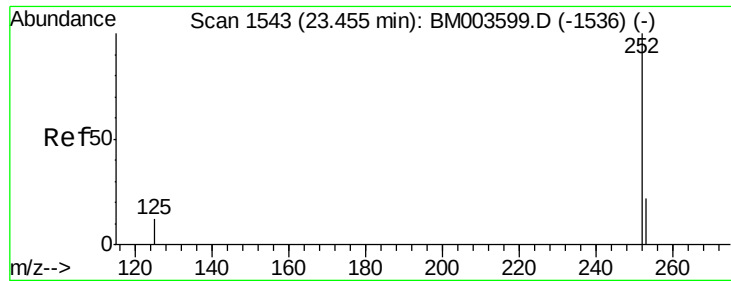
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#25

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.05 min

Lab File: BM003607.D

Acq: 17 Dec 2015 19:55

Instrument :

BNA_M

ClientSampleId :

D9N46DL

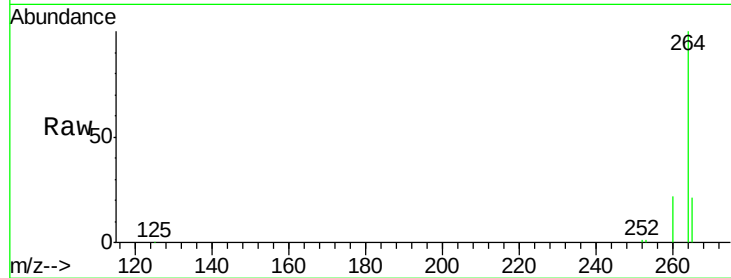
Tgt Ion: 252 Resp: 647

Ion Ratio Lower Upper

252 100

253 91.6 19.4 29.2#

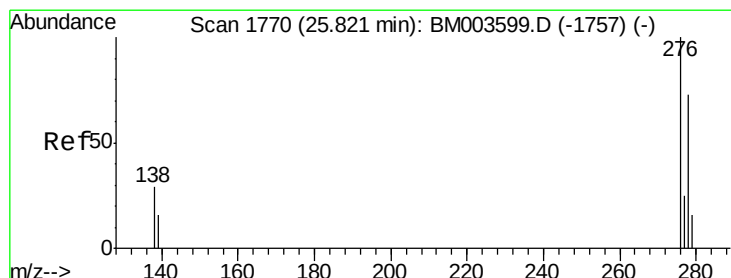
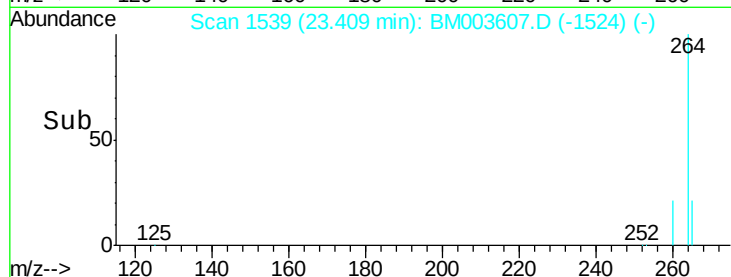
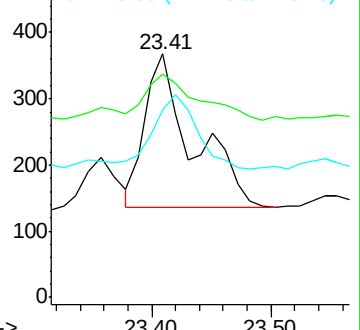
125 76.9 12.7 19.1#



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: 0.00 ng/ul

RT: 25.83 min Scan# 1771

Delta R.T. 0.01 min

Lab File: BM003607.D

Acq: 17 Dec 2015 19:55

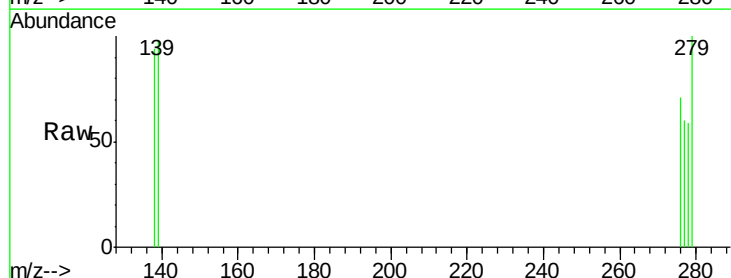
Tgt Ion: 276 Resp: 119

Ion Ratio Lower Upper

276 100

138 26.9 16.3 24.5#

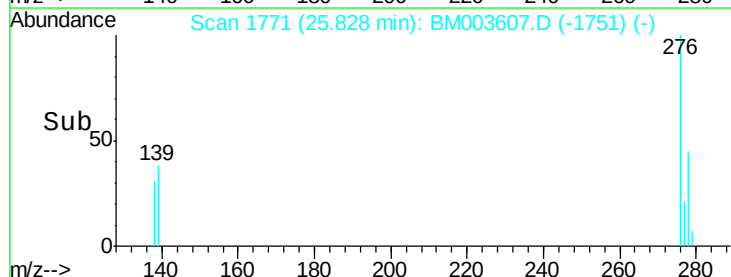
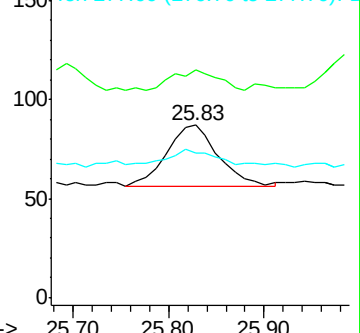
277 30.3 19.8 29.8#

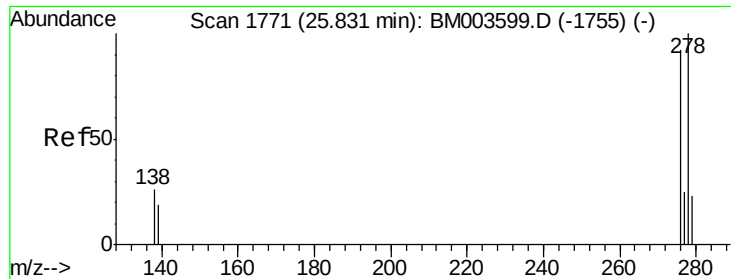


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

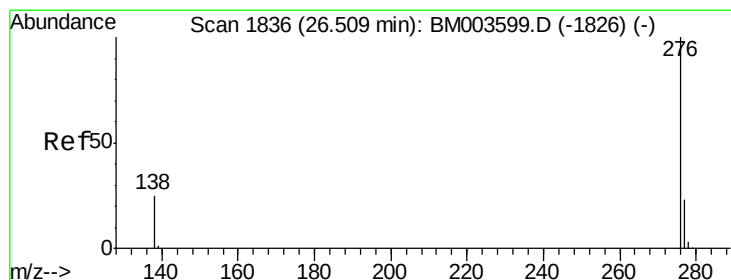
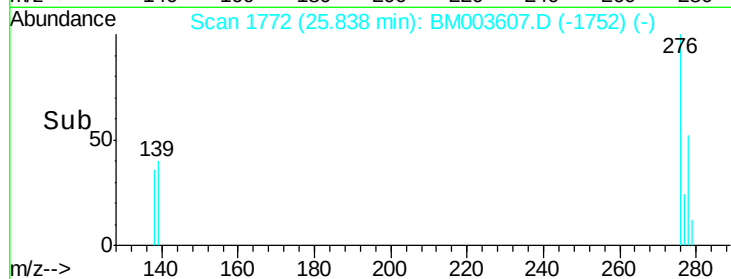
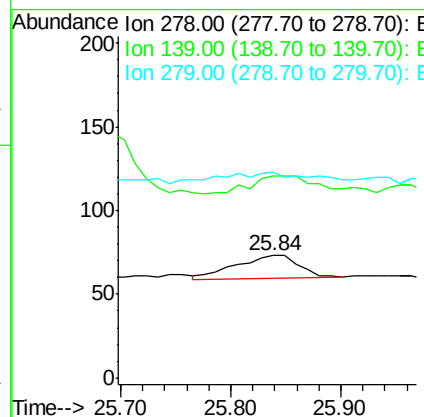
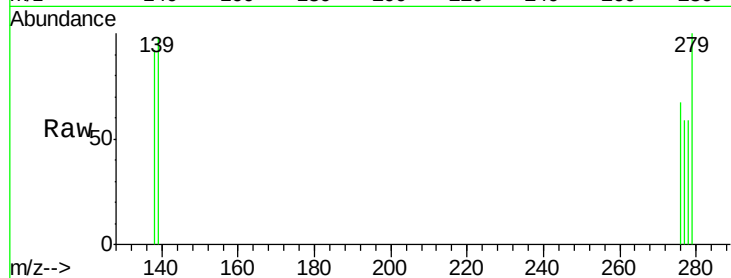




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.84 min Scan# 1772
Delta R.T. 0.01 min
Lab File: BM003607.D
Acq: 17 Dec 2015 19:55

Instrument :
BNA_M
ClientSampleId :
D9N46DL

Tgt Ion: 278 Resp: 55
Ion Ratio Lower Upper
278 100
139 165.8 16.4 24.6#
279 168.5 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.53 min Scan# 1838
Delta R.T. 0.02 min
Lab File: BM003607.D
Acq: 17 Dec 2015 19:55

Tgt Ion: 276 Resp: 96
Ion Ratio Lower Upper
276 100
277 85.7 18.9 28.3#
138 131.0 22.5 33.7#

