

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
 Data File : BM003600.D
 Acq On : 17 Dec 2015 15:40
 Operator : UM/IZ
 Sample : G4734-03MS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4KW2MS

Quant Time: Dec 18 00:45:22 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	2520	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	10310	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.35	164	5953	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.19	188	869835	0.40	ng/ul	0.09
18) Chrysene-d12	21.30	240	9391	0.40	ng/ul	0.00
22) Perylene-d12	23.42	264	789738	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	4128	3.83	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	5245	0.42	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	10001	0.01	ng/ul	0.00

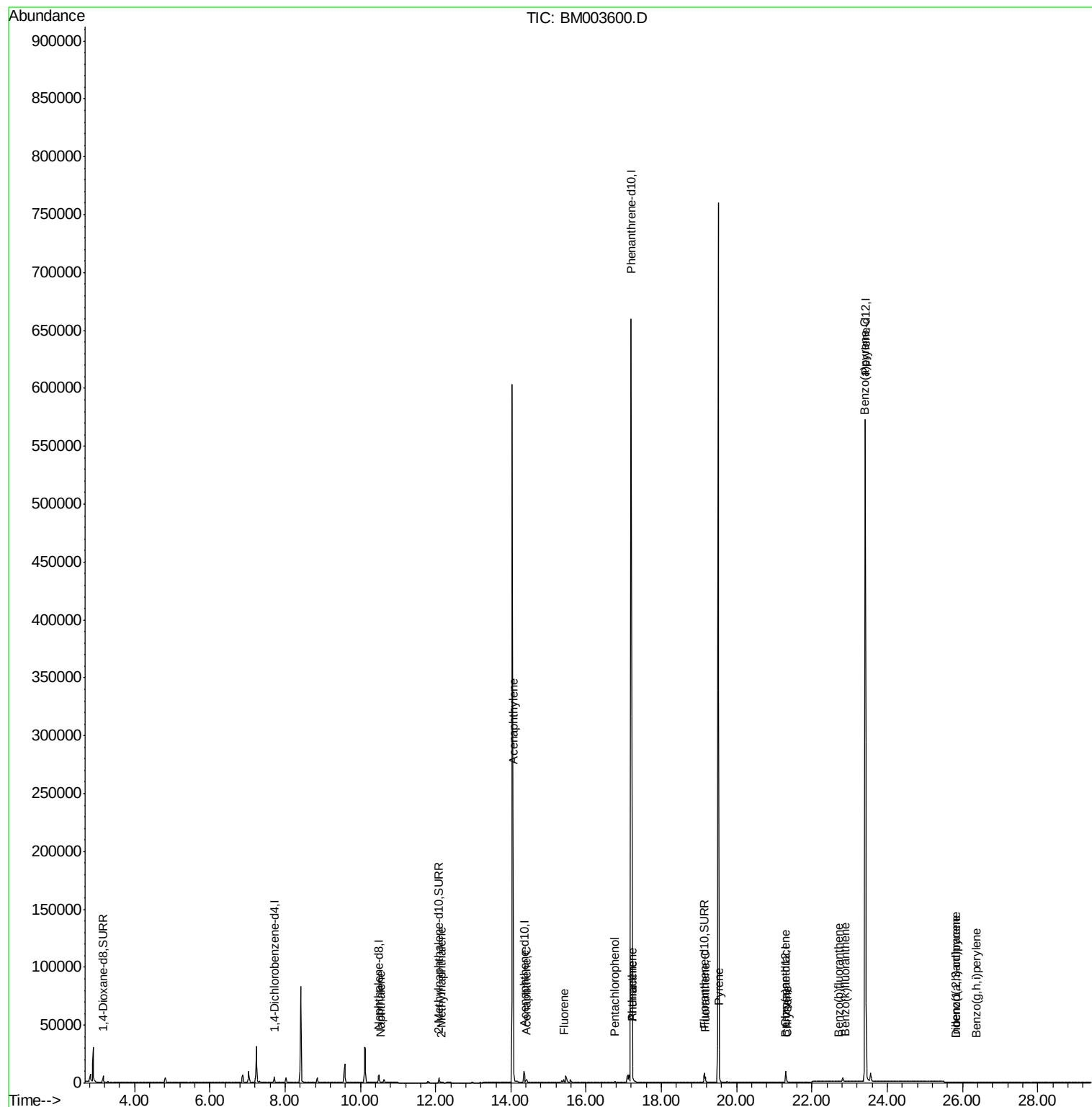
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	1078	0.05	ng/ul#	73
7) 2-Methylnaphthalene	12.16	142	465	0.03	ng/ul	100
9) Acenaphthylene	14.06	152	1242	0.05	ng/ul#	73
10) Acenaphthene	14.42	153	1572	0.09	ng/ul#	91
11) Fluorene	15.41	166	1563	0.08	ng/ul#	91
13) Pentachlorophenol	16.76	266	902	0.01	ng/ul	93
14) Phenanthrene	17.23	178	7055	0.00	ng/ul#	94
15) Anthracene	17.23	178	7122	0.00	ng/ul	95
17) Fluoranthene	19.17	202	4797	0.00	ng/ul	94
19) Pyrene	19.53	202	5127	0.20	ng/ul#	91
20) Benzo(a)anthracene	21.28	228	852	0.04	ng/ul#	62
21) Chrysene	21.35	228	613	0.02	ng/ul#	60
23) Benzo(b)fluoranthene	22.72	252	27	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.88	252	1015	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.41	252	3214	0.00	ng/ul#	61
26) Indeno(1,2,3-cd)pyrene	25.82	276	1496	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	25.82	278	23	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.36	276	7	0.00	ng/ul#	1

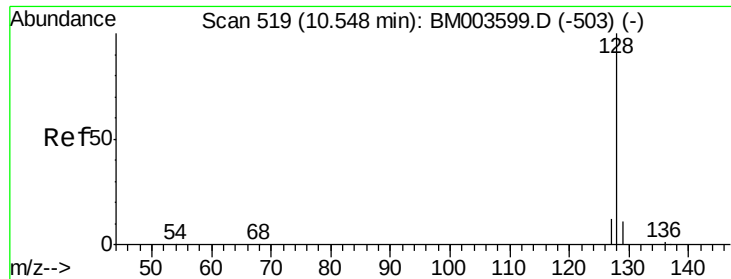
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.05 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM003600.D

Acq: 17 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

A4KW2MS

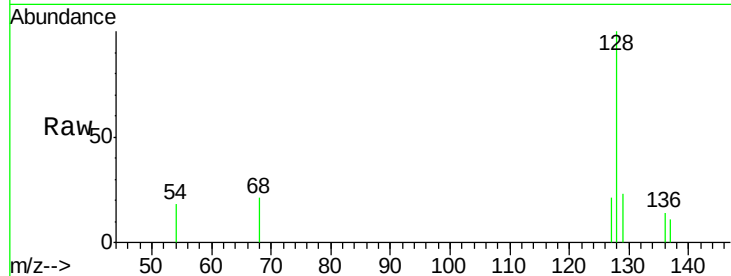
Tgt Ion:128 Resp: 1078

Ion Ratio Lower Upper

128 100

129 22.8 9.0 13.6#

127 21.1 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

10.55

600

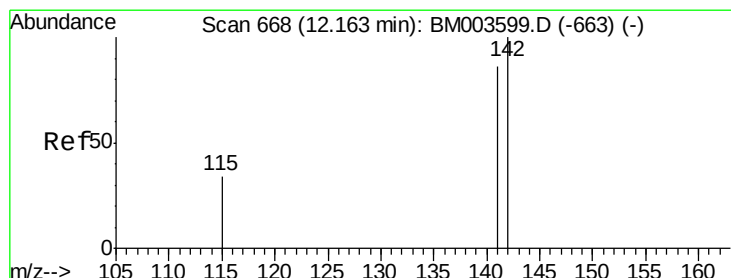
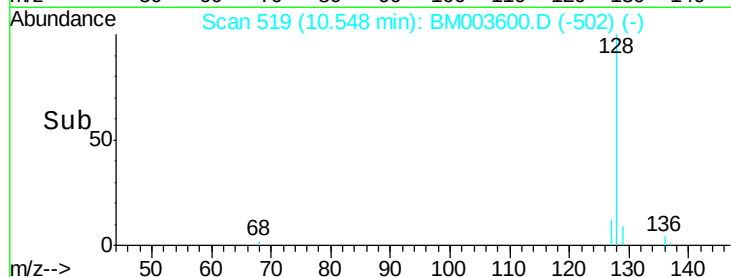
400

200

0

10.40 10.60

Time-->



#7

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM003600.D

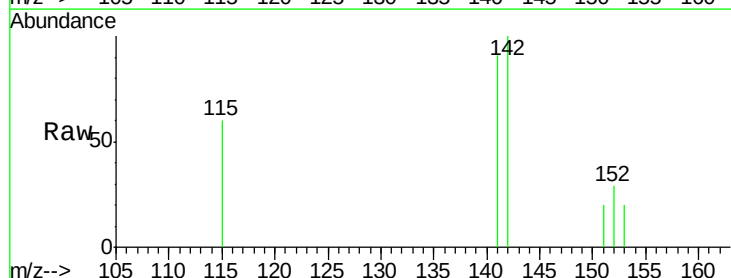
Acq: 17 Dec 2015 15:40

Tgt Ion:142 Resp: 465

Ion Ratio Lower Upper

142 100

141 87.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.16

300

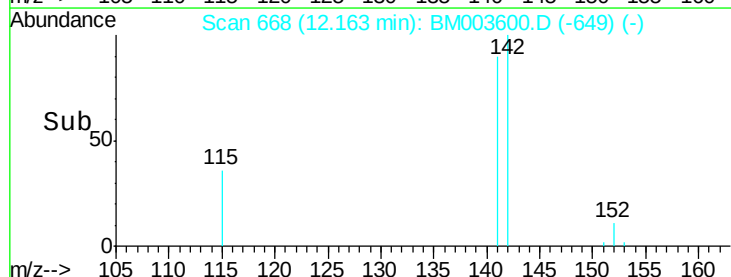
200

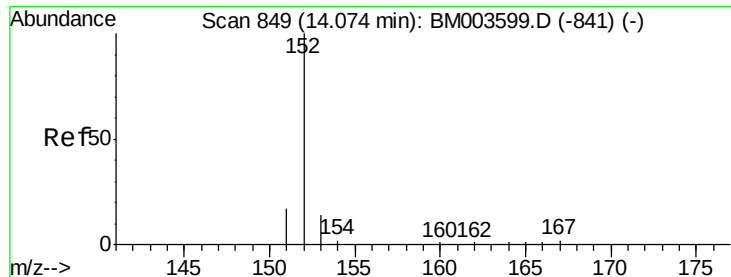
100

0

12.00 12.10 12.20 12.30

Time-->





#9

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.02 min

Lab File: BM003600.D

Acq: 17 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

A4KW2MS

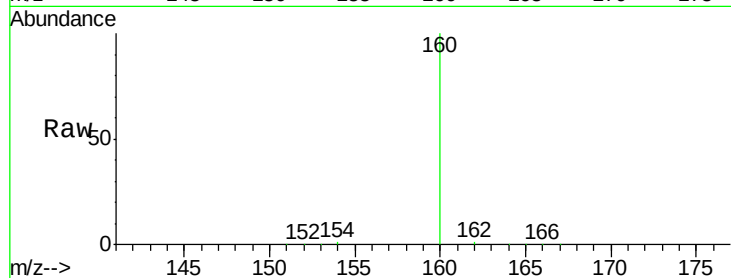
Tgt Ion:152 Resp: 1242

Ion Ratio Lower Upper

152 100

151 29.1 17.6 26.4#

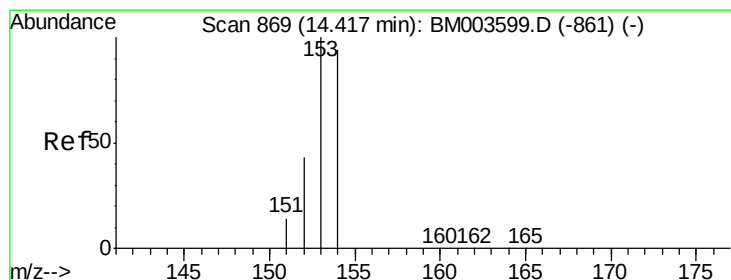
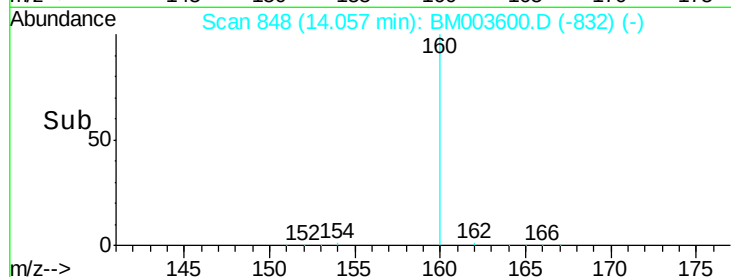
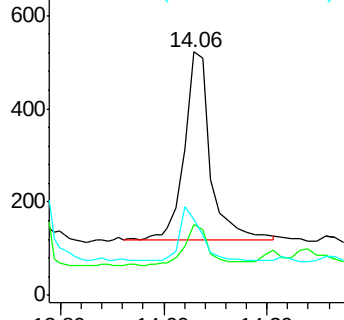
153 31.0 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.09 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM003600.D

Acq: 17 Dec 2015 15:40

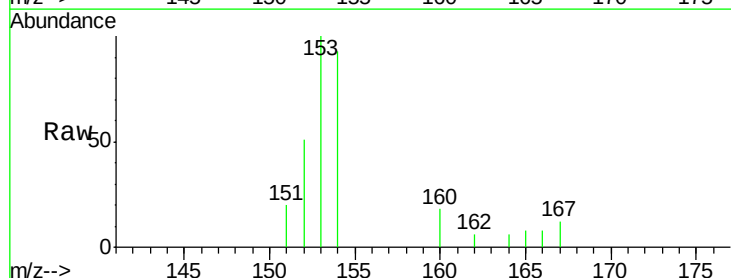
Tgt Ion:153 Resp: 1572

Ion Ratio Lower Upper

153 100

152 51.0 33.9 50.9#

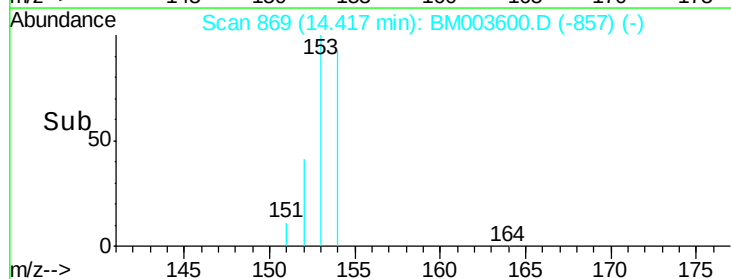
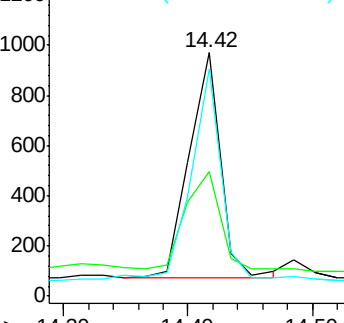
154 93.0 80.6 121.0

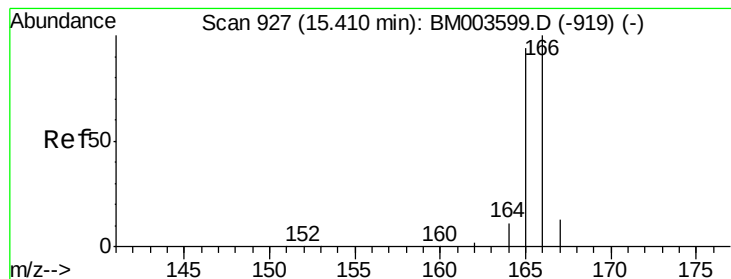


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.08 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.00 min

Lab File: BM003600.D

Acq: 17 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

A4KW2MS

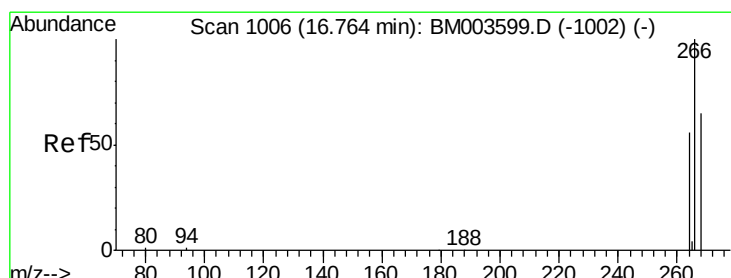
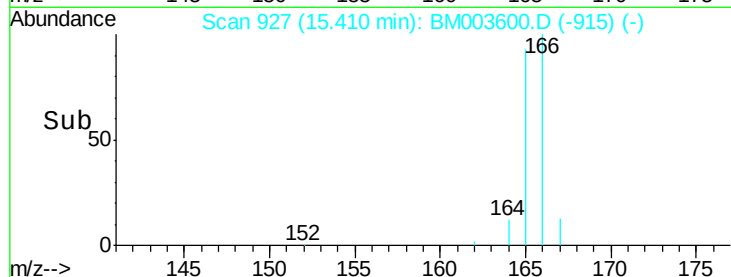
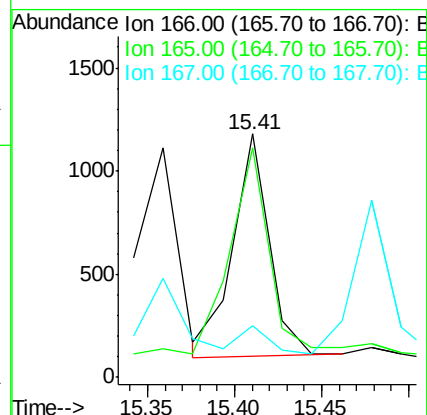
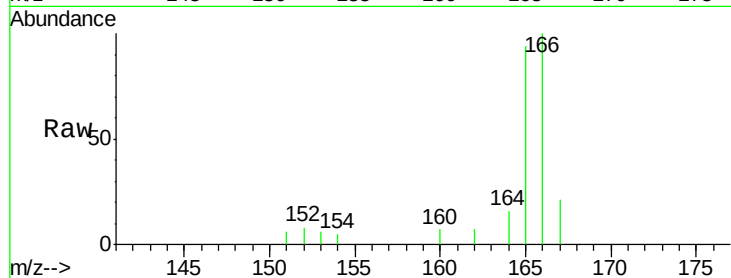
Tgt Ion:166 Resp: 1563

Ion Ratio Lower Upper

166 100

165 94.5 69.6 104.4

167 21.4 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BM003600.D

Acq: 17 Dec 2015 15:40

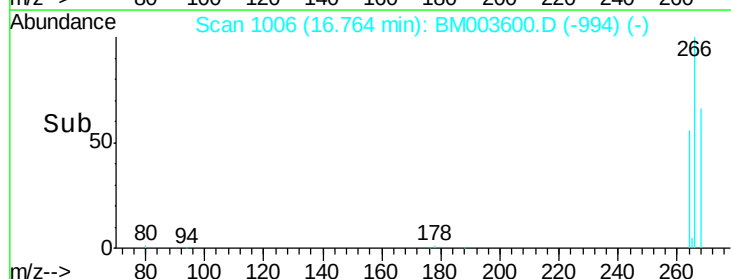
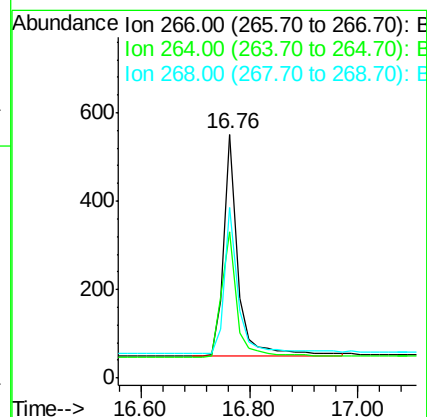
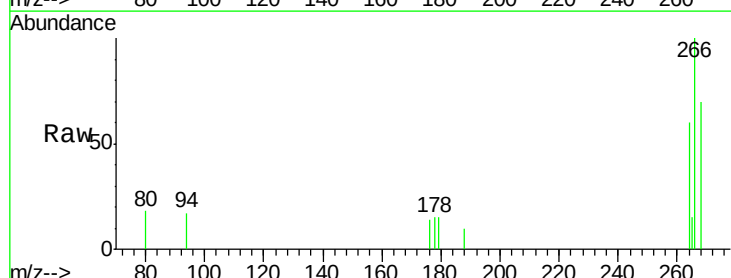
Tgt Ion:266 Resp: 902

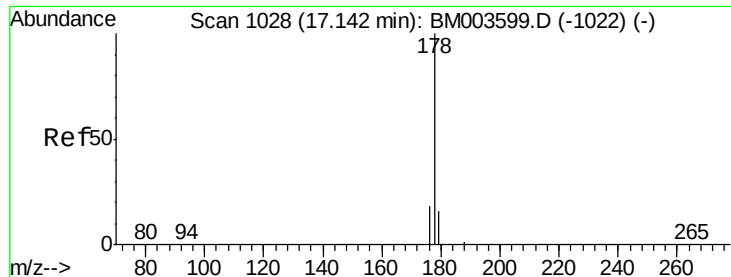
Ion Ratio Lower Upper

266 100

264 62.4 51.8 77.8

268 66.3 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.09 min

Lab File: BM003600.D

Acq: 17 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

A4KW2MS

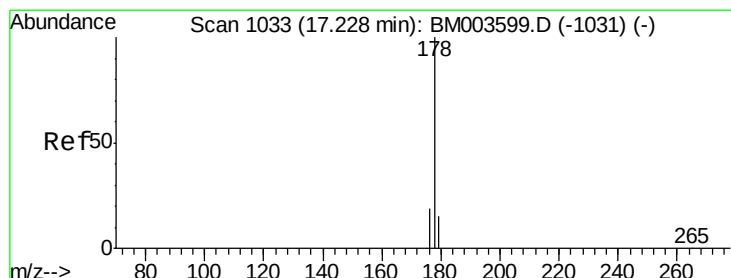
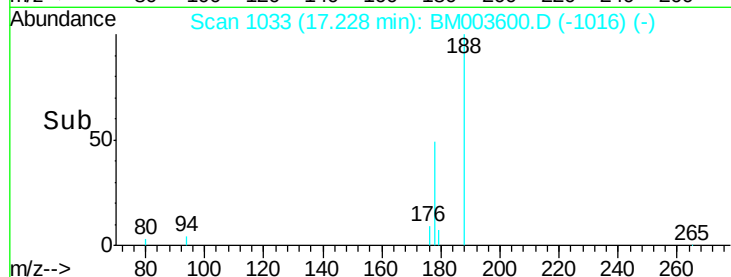
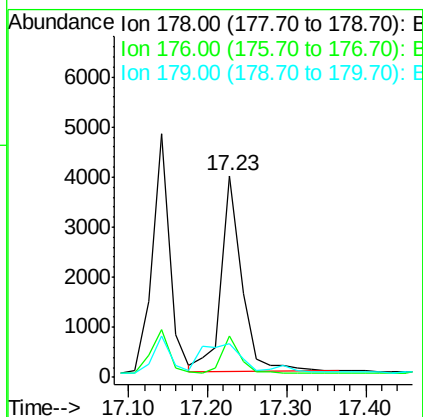
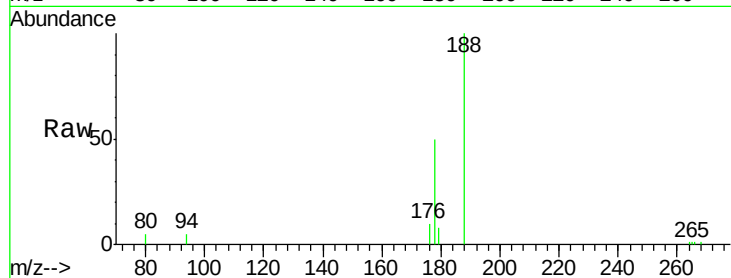
Tgt Ion:178 Resp: 7055

Ion Ratio Lower Upper

178 100

176 20.8 13.0 19.4#

179 16.8 14.2 21.2



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM003600.D

Acq: 17 Dec 2015 15:40

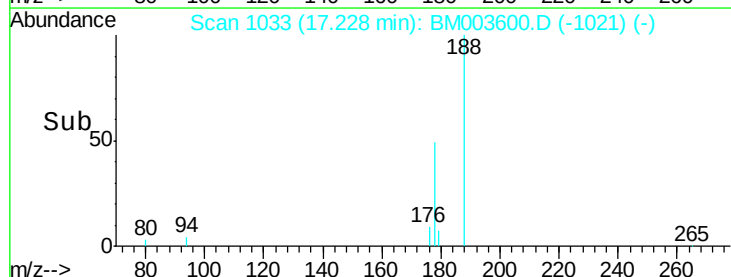
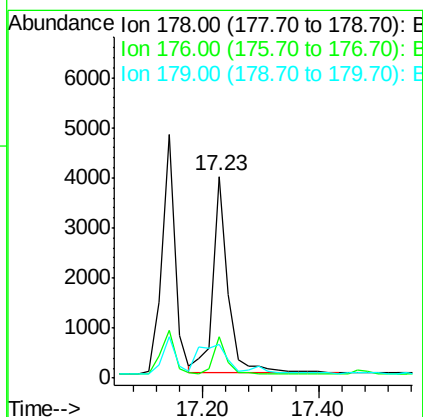
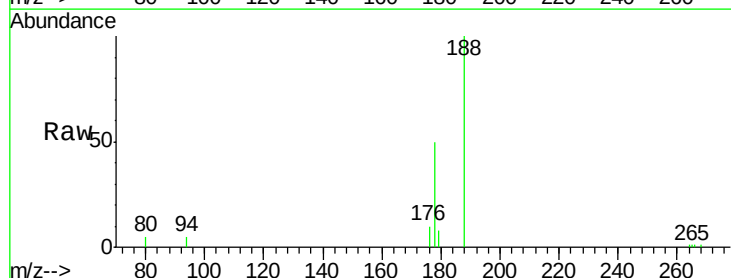
Tgt Ion:178 Resp: 7122

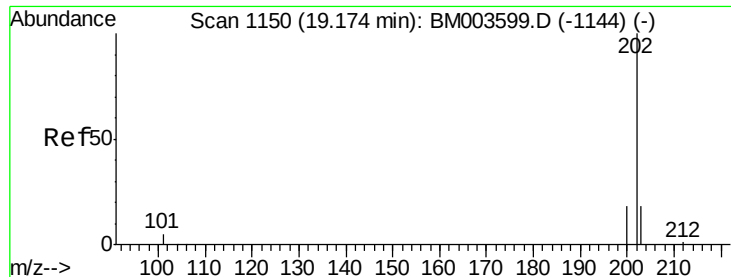
Ion Ratio Lower Upper

178 100

176 20.8 14.0 21.0

179 16.8 12.9 19.3

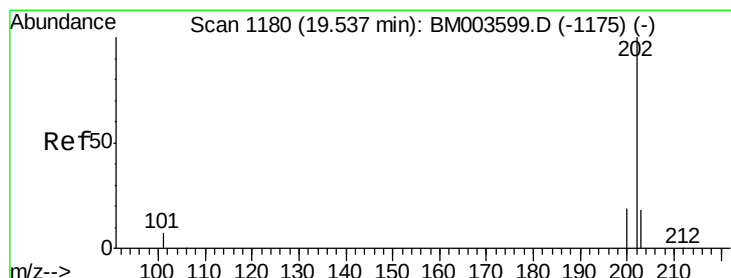
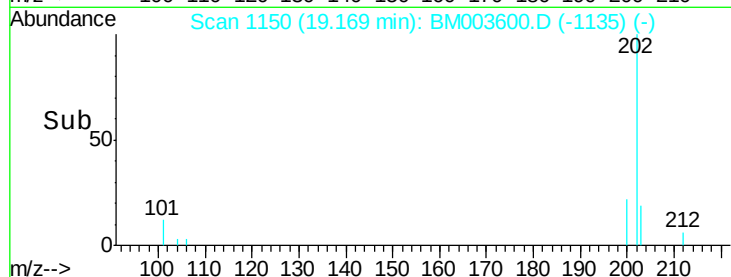
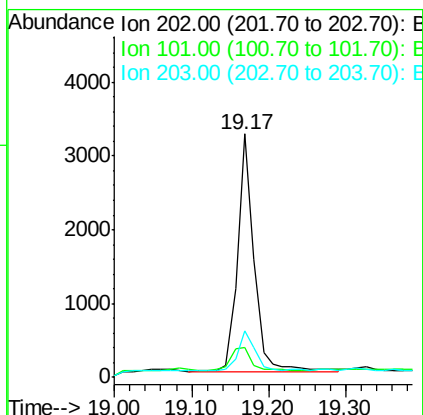
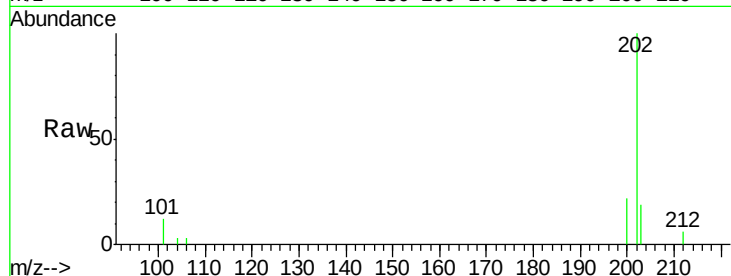




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.17 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BM003600.D
Acq: 17 Dec 2015 15:40

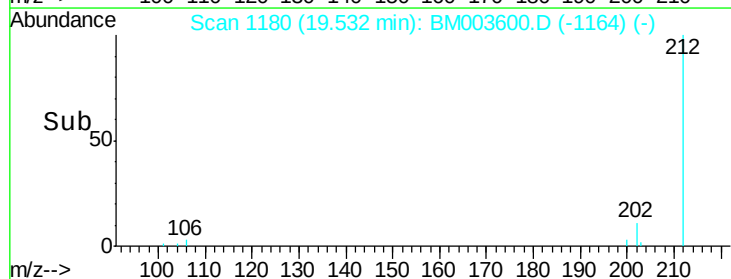
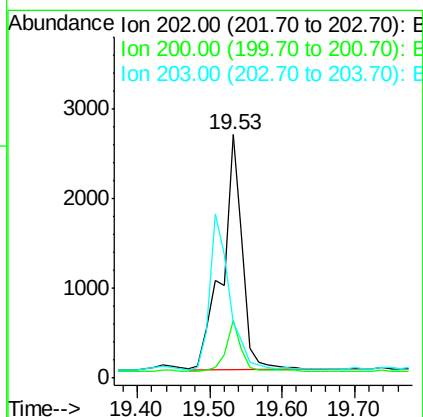
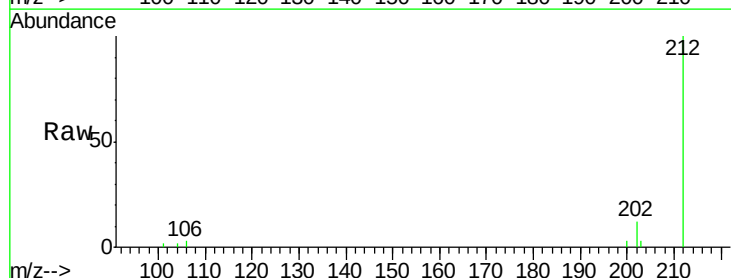
Instrument :
BNA_M
ClientSampleId :
A4KW2MS

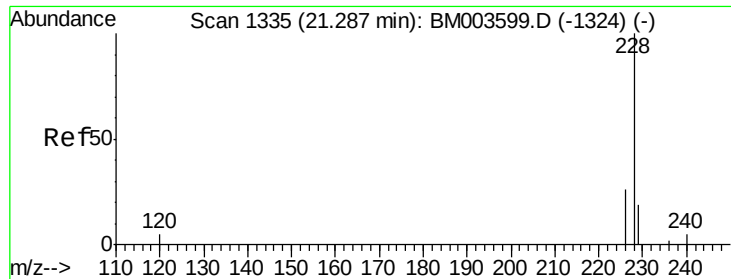
Tgt Ion:202 Resp: 4797
Ion Ratio Lower Upper
202 100
101 12.1 0.0 29.6
203 18.9 0.0 36.3



#19
Pyrene
Concen: 0.20 ng/ul
RT: 19.53 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BM003600.D
Acq: 17 Dec 2015 15:40

Tgt Ion:202 Resp: 5127
Ion Ratio Lower Upper
202 100
200 23.8 17.8 26.8
203 23.0 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BM003600.D

Acq: 17 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

A4KW2MS

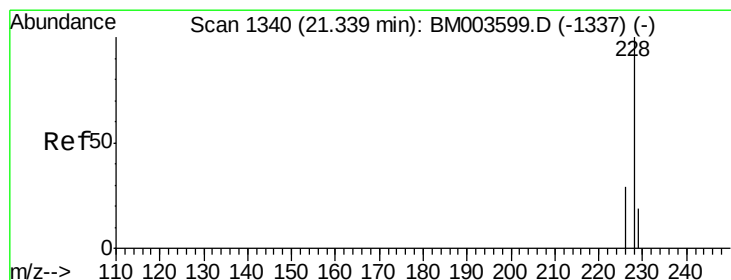
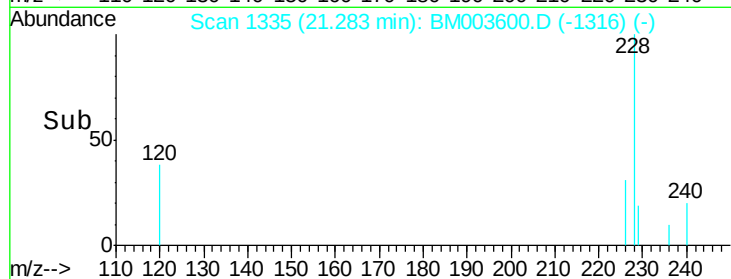
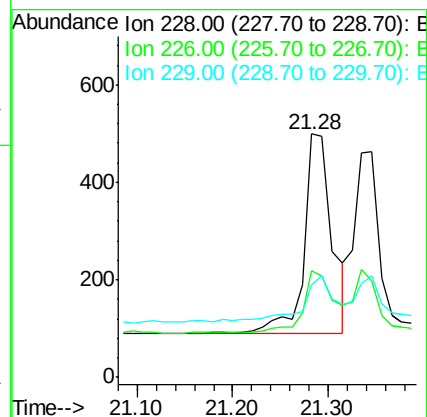
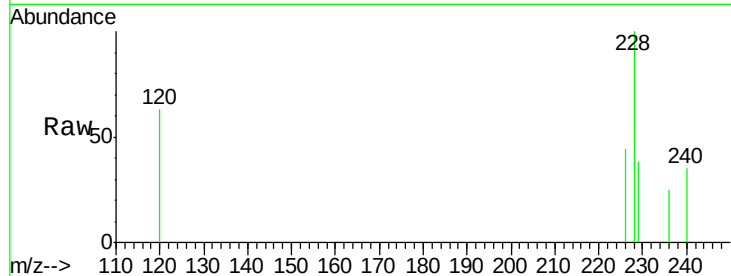
Tgt Ion:228 Resp: 852

Ion Ratio Lower Upper

228 100

226 43.7 18.8 28.2#

229 37.9 17.1 25.7#



#21

Chrysene

Concen: 0.02 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BM003600.D

Acq: 17 Dec 2015 15:40

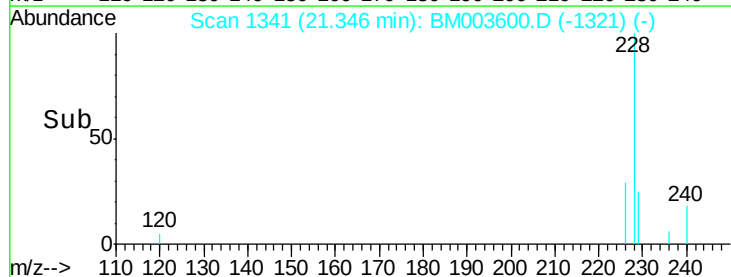
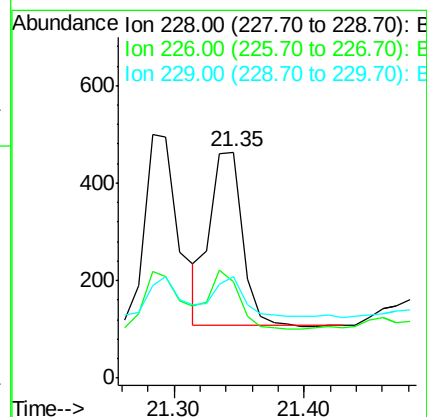
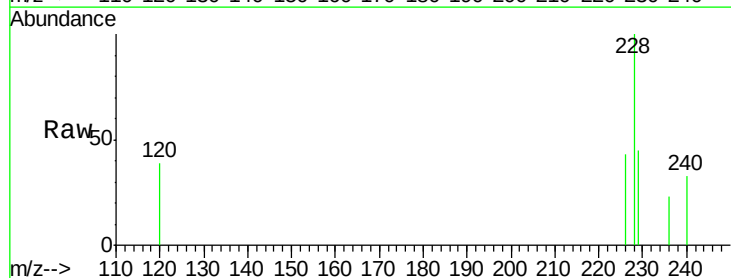
Tgt Ion:228 Resp: 613

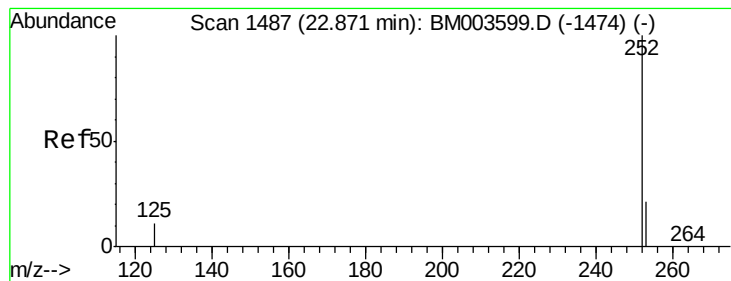
Ion Ratio Lower Upper

228 100

226 42.8 21.2 31.8#

229 44.9 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.72 min Scan# 1473

Delta R.T. -0.15 min

Lab File: BM003600.D

Acq: 17 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

A4KW2MS

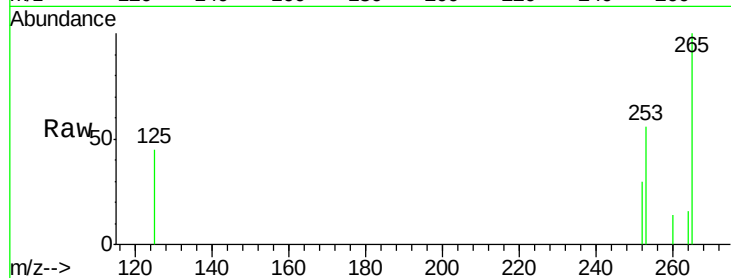
Tgt Ion: 252 Resp: 27

Ion Ratio Lower Upper

252 100

253 184.5 0.0 45.4#

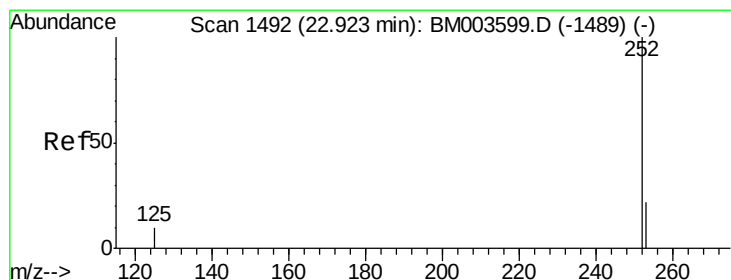
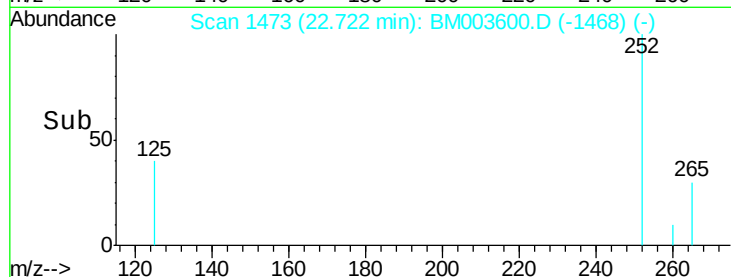
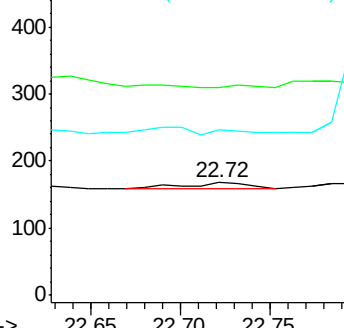
125 147.0 0.0 28.8#



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



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.05 min

Lab File: BM003600.D

Acq: 17 Dec 2015 15:40

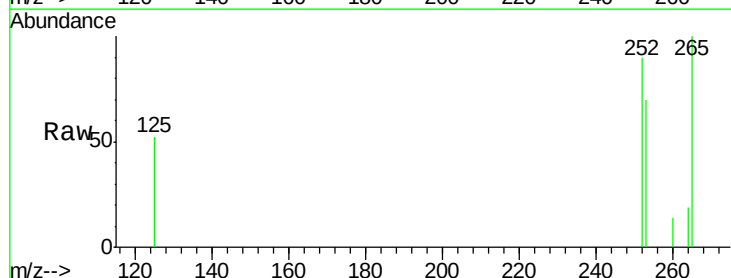
Tgt Ion: 252 Resp: 1015

Ion Ratio Lower Upper

252 100

253 77.4 19.8 29.8#

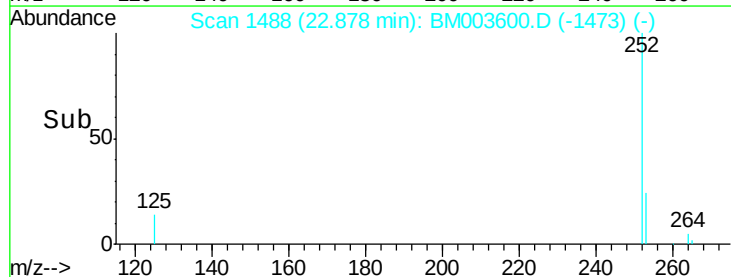
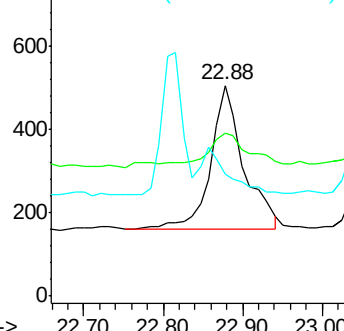
125 58.0 10.4 15.6#

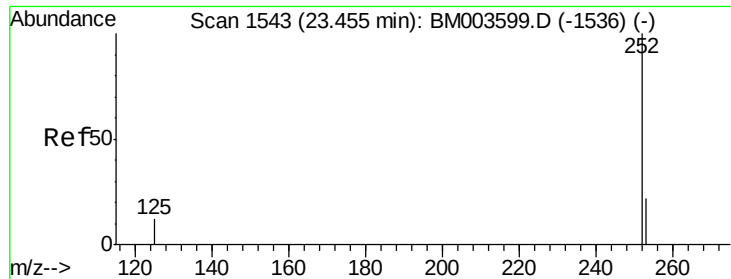


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.05 min

Lab File: BM003600.D

Acq: 17 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

A4KW2MS

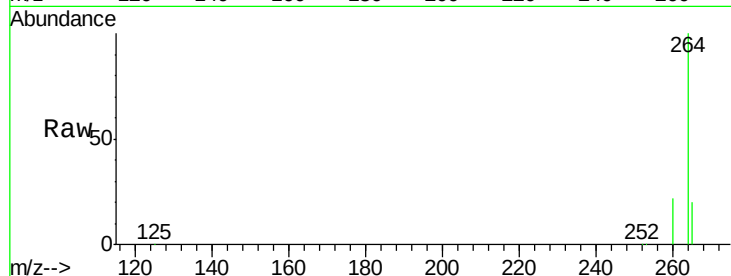
Tgt Ion: 252 Resp: 3214

Ion Ratio Lower Upper

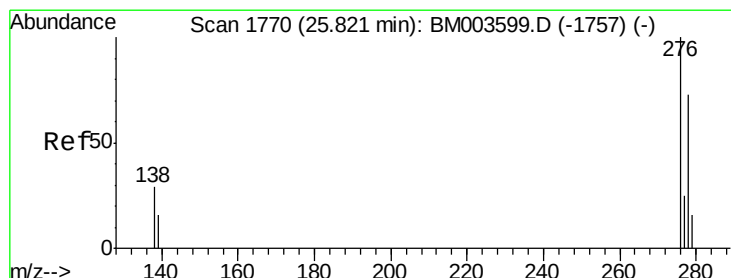
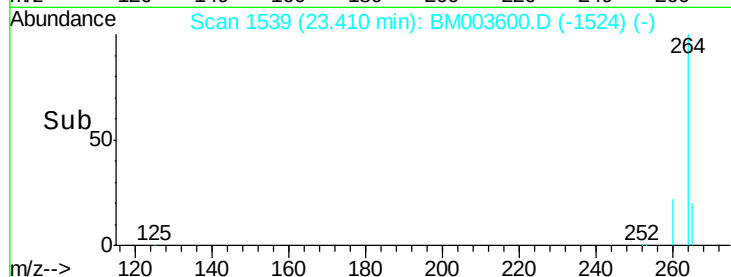
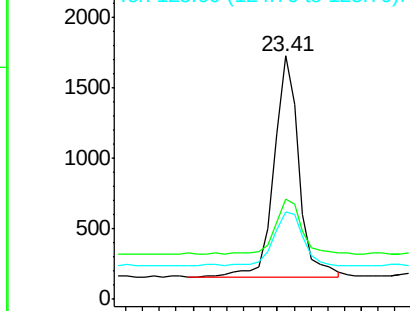
252 100

253 40.9 19.4 29.2#

125 35.9 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: 25.82 min Scan# 1770

Delta R.T. -0.00 min

Lab File: BM003600.D

Acq: 17 Dec 2015 15:40

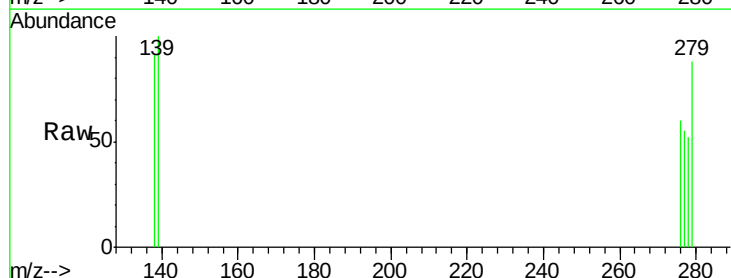
Tgt Ion: 276 Resp: 1496

Ion Ratio Lower Upper

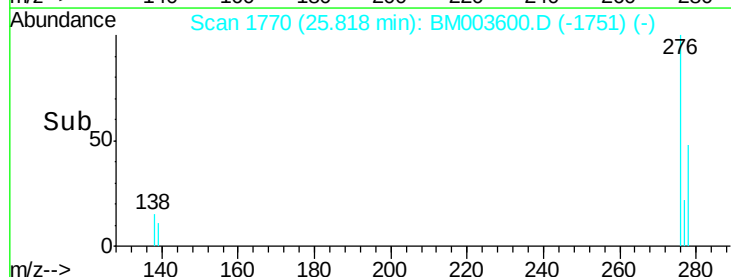
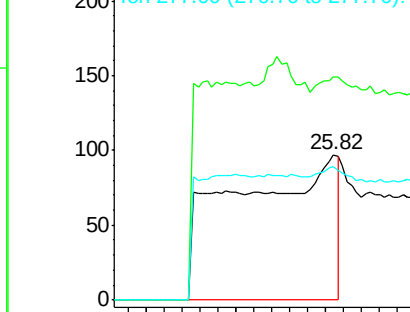
276 100

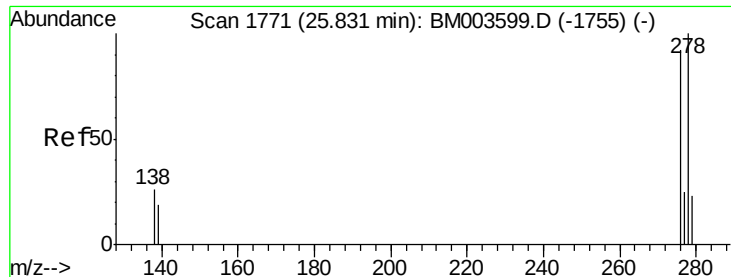
138 0.0 16.3 24.5#

277 111.4 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



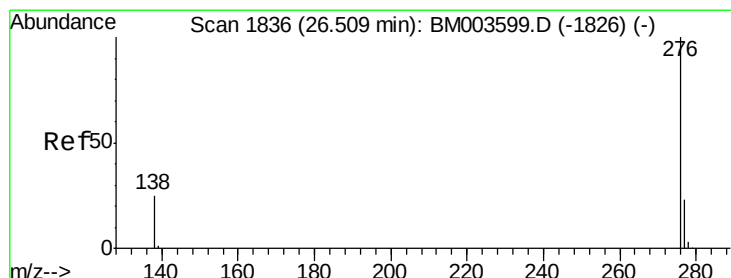
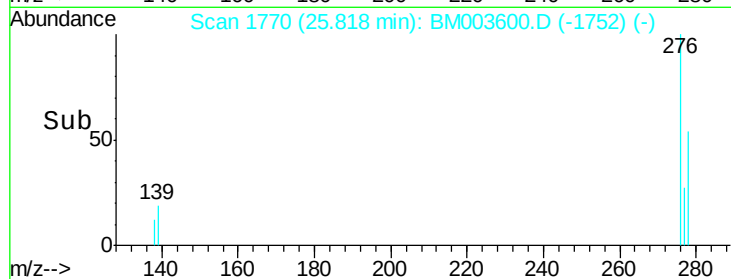
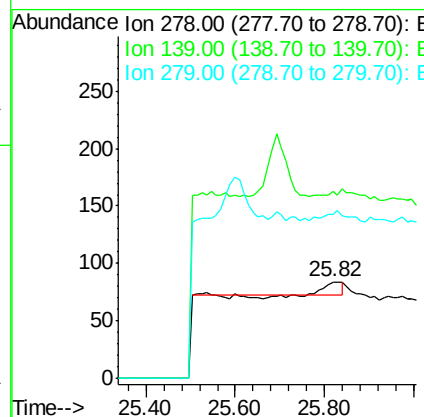
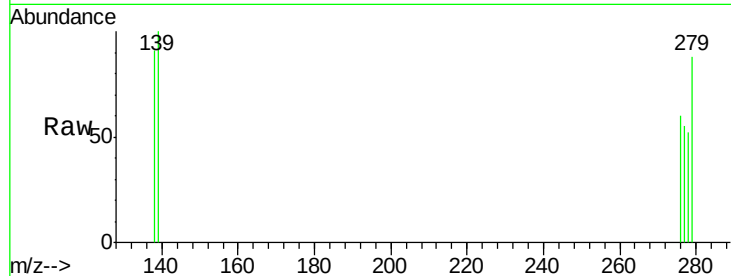


#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.82 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BM003600.D
Acq: 17 Dec 2015 15:40

Instrument :
BNA_M
ClientSampleId :
A4KW2MS

Tgt Ion: 278 Resp: 23

Ion	Ratio	Lower	Upper
278	100		
139	194.0	16.4	24.6#
279	170.2	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.36 min Scan# 1822
Delta R.T. -0.15 min
Lab File: BM003600.D
Acq: 17 Dec 2015 15:40

Tgt Ion: 276 Resp: 7

Ion	Ratio	Lower	Upper
276	100		
277	114.3	18.9	28.3#
138	190.0	22.5	33.7#

