

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
 Data File : BM003603.D
 Acq On : 17 Dec 2015 17:29
 Operator : UM/IZ
 Sample : G4767-09DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N31DL

Quant Time: Dec 18 00:46:05 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	2349	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	9045	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.35	164	4830	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.19	188	144244	0.40	ng/ul	0.09
18) Chrysene-d12	21.30	240	9520	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	9540	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	2986	2.97	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	866	0.08	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	1608	0.01	ng/ul	0.00

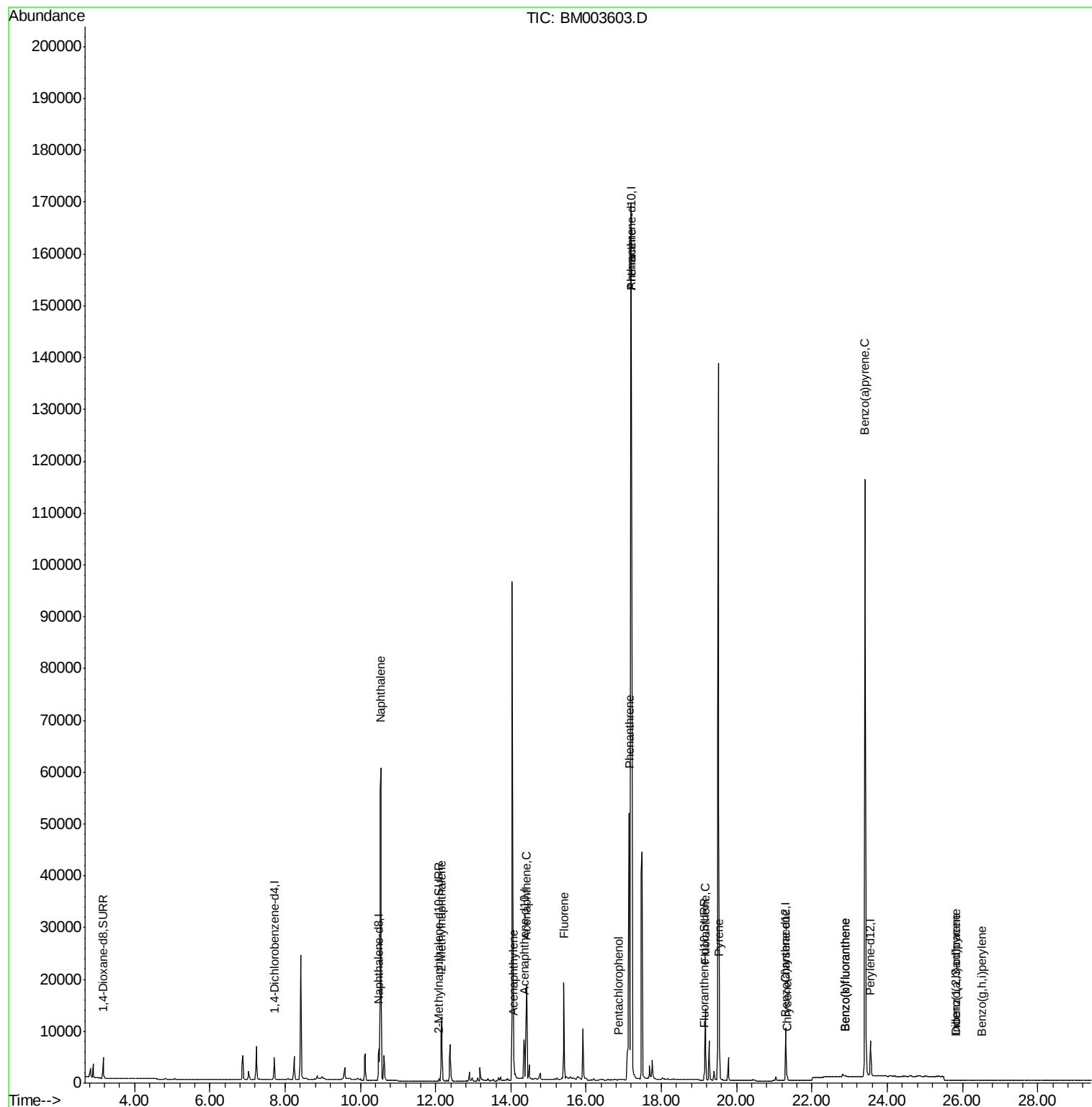
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	91769	4.50	ng/ul	100
7) 2-Methylnaphthalene	12.16	142	9391	0.69	ng/ul	98
9) Acenaphthylene	14.07	152	2566	0.14	ng/ul#	90
10) Acenaphthene	14.42	153	11883	0.80	ng/ul	95
11) Fluorene	15.41	166	12627	0.77	ng/ul	94
13) Pentachlorophenol	16.87	266	5	0.00	ng/ul#	30
14) Phenanthrene	17.14	178	57246	0.15	ng/ul	96
15) Anthracene	17.19	178	31209	0.10	ng/ul#	1
17) Fluoranthene	19.17	202	13002	0.03	ng/ul	98
19) Pyrene	19.53	202	11192	0.44	ng/ul	98
20) Benzo(a)anthracene	21.29	228	872	0.04	ng/ul#	72
21) Chrysene	21.34	228	781	0.03	ng/ul#	75
23) Benzo(b)fluoranthene	22.88	252	295	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	22.88	252	295	0.01	ng/ul#	1
25) Benzo(a)pyrene	23.41	252	676	0.02	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.82	276	69	0.00	ng/ul#	72
27) Dibenzo(a,h)anthracene	25.83	278	60	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.51	276	66	0.00	ng/ul#	1

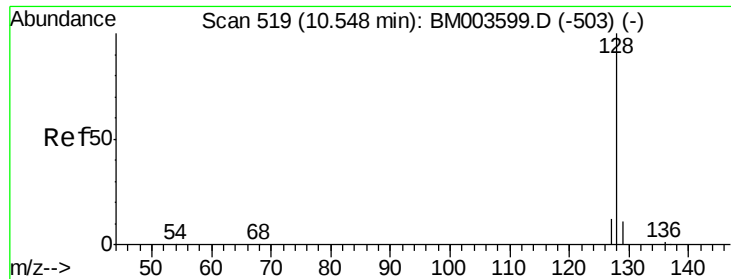
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 4.50 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM003603.D

Acq: 17 Dec 2015 17:29

Instrument :

BNA_M

ClientSampleId :

D9N31DL

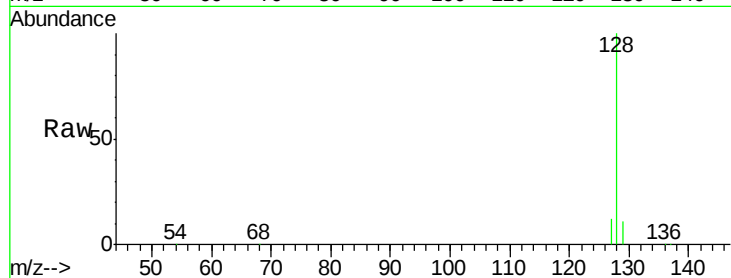
Tgt Ion:128 Resp: 91769

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

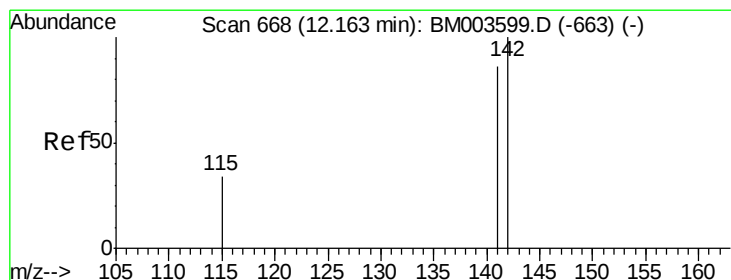
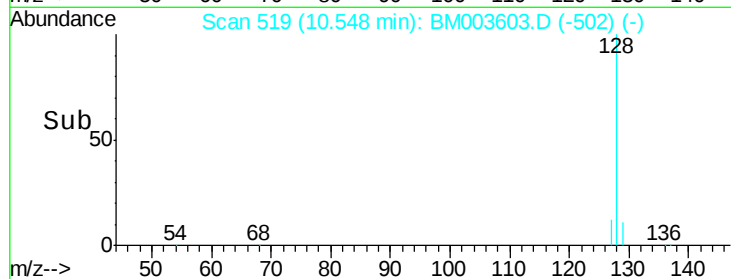
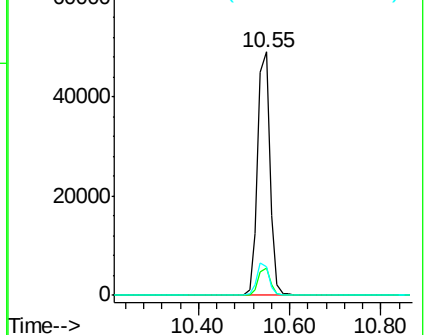
127 11.9 9.6 14.4



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: 0.69 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM003603.D

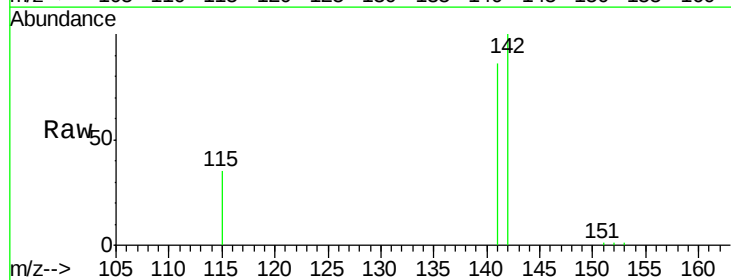
Acq: 17 Dec 2015 17:29

Tgt Ion:142 Resp: 9391

Ion Ratio Lower Upper

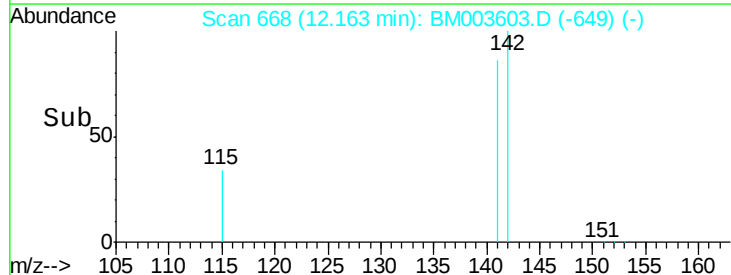
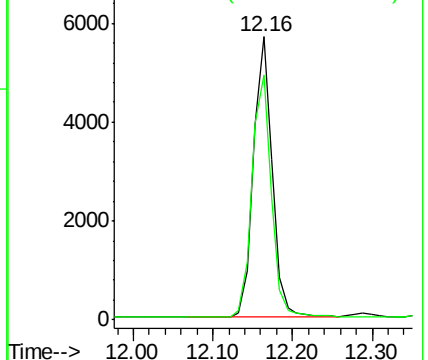
142 100

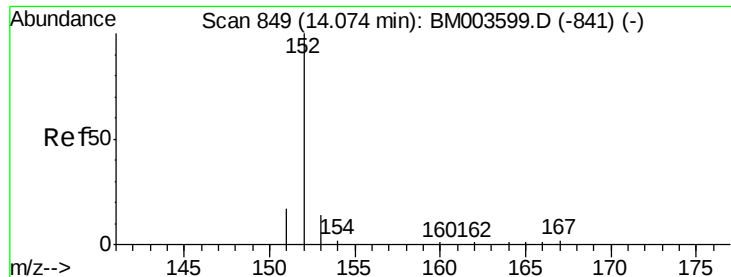
141 89.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.00 min

Lab File: BM003603.D

Acq: 17 Dec 2015 17:29

Instrument :

BNA_M

ClientSampleId :

D9N31DL

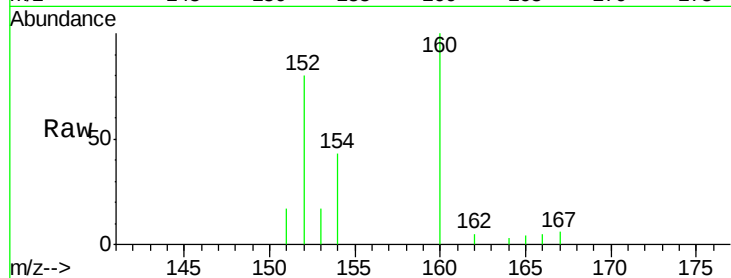
Tgt Ion:152 Resp: 2566

Ion Ratio Lower Upper

152 100

151 20.8 17.6 26.4

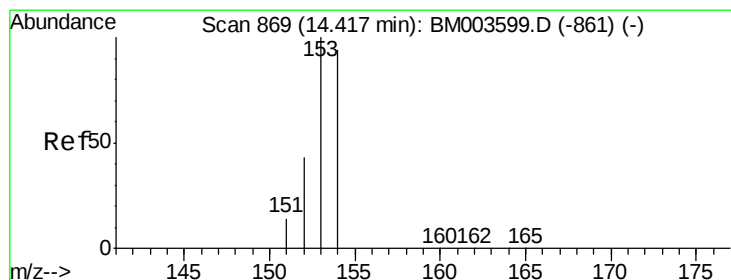
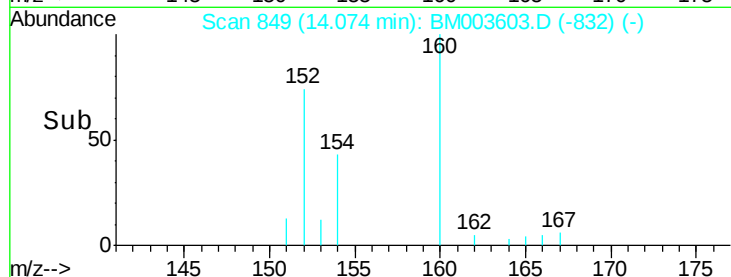
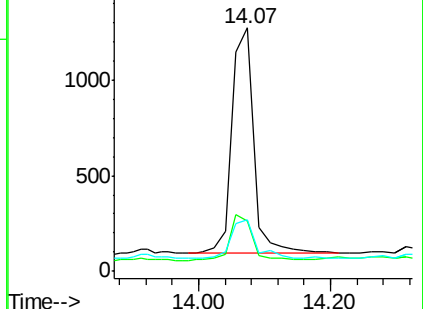
153 21.1 9.7 14.5#



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: 0.80 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM003603.D

Acq: 17 Dec 2015 17:29

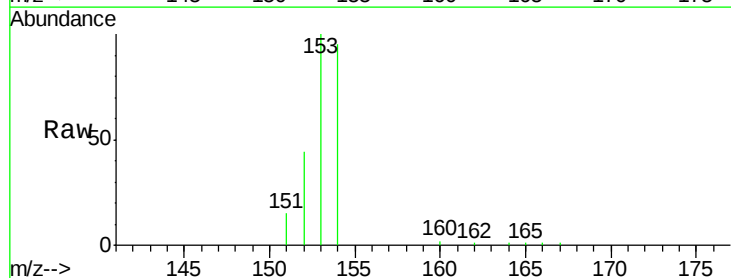
Tgt Ion:153 Resp: 11883

Ion Ratio Lower Upper

153 100

152 43.8 33.9 50.9

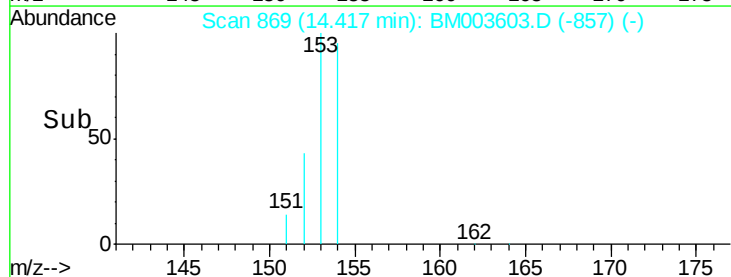
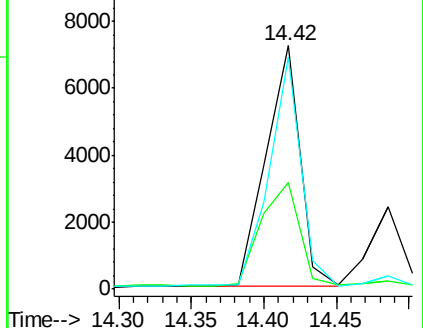
154 95.2 80.6 121.0

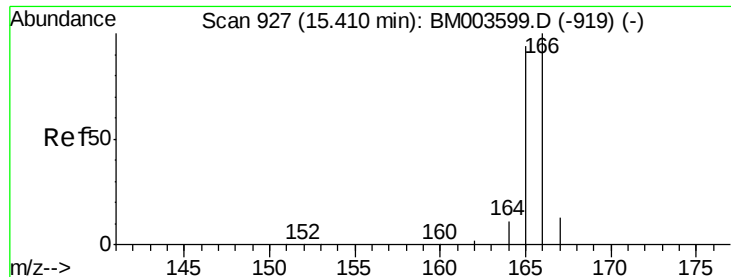


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

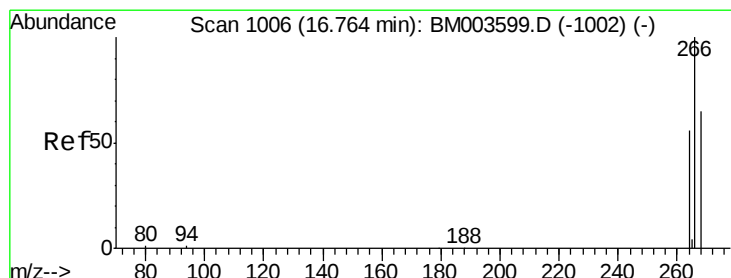
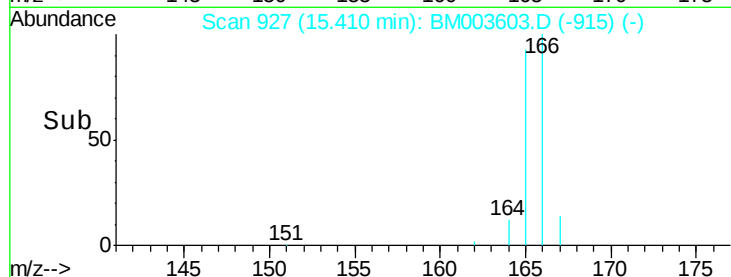
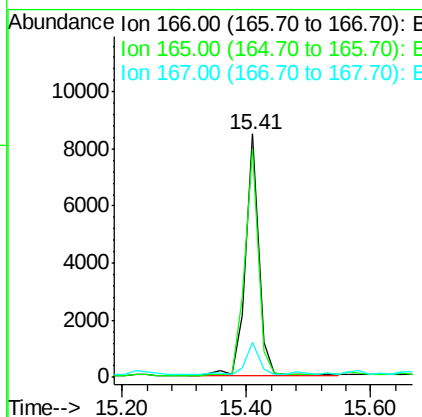
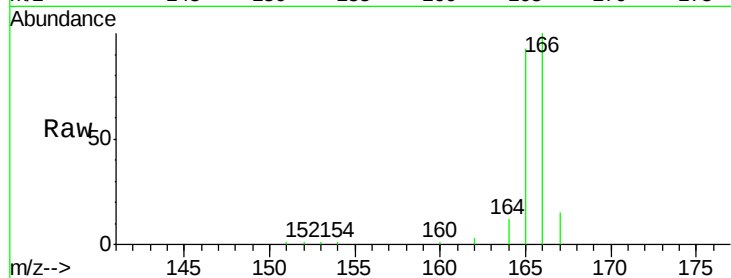




#11
 Fluorene
 Concen: 0.77 ng/ul
 RT: 15.41 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BM003603.D
 Acq: 17 Dec 2015 17:29

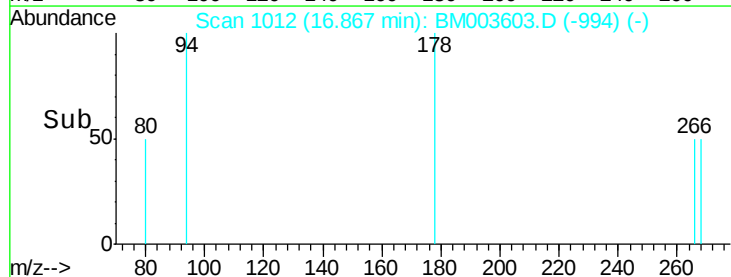
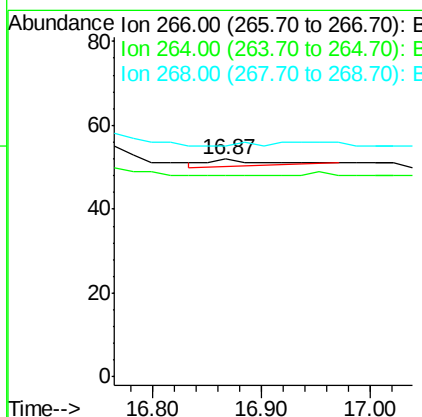
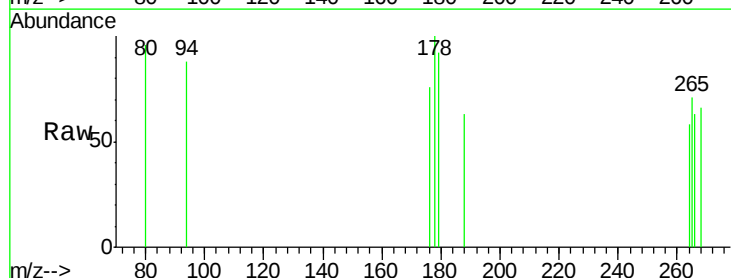
Instrument :
 BNA_M
 ClientSampleId :
 D9N31DL

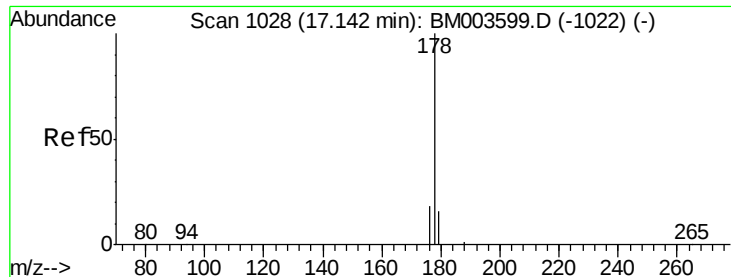
Tgt Ion:166 Resp: 12627
 Ion Ratio Lower Upper
 166 100
 165 93.5 69.6 104.4
 167 14.6 11.9 17.9



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.10 min
 Lab File: BM003603.D
 Acq: 17 Dec 2015 17:29

Tgt Ion:266 Resp: 5
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.8 77.8#
 268 100.0 46.8 70.2#





#14

Phenanthrene

Concen: 0.15 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BM003603.D

Acq: 17 Dec 2015 17:29

Instrument :

BNA_M

ClientSampleId :

D9N31DL

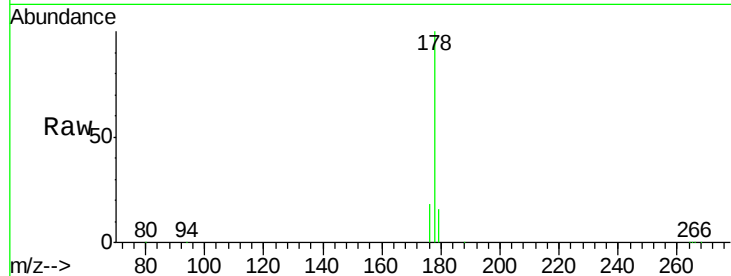
Tgt Ion:178 Resp: 57246

Ion Ratio Lower Upper

178 100

176 17.9 13.0 19.4

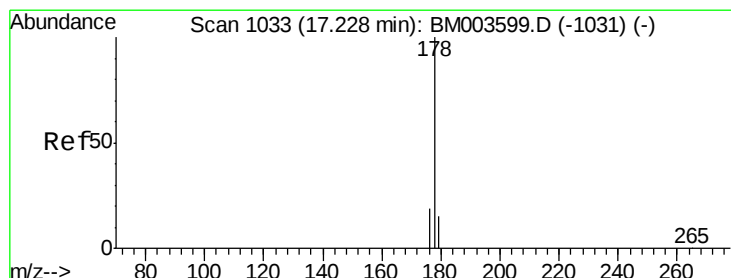
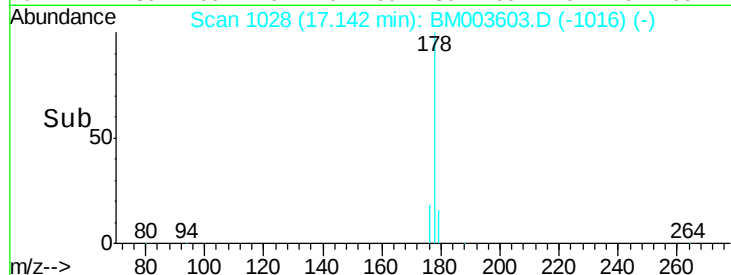
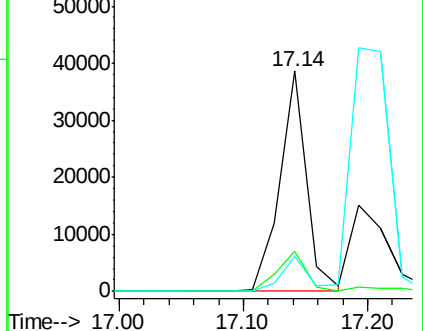
179 15.9 14.2 21.2



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: 0.10 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. -0.03 min

Lab File: BM003603.D

Acq: 17 Dec 2015 17:29

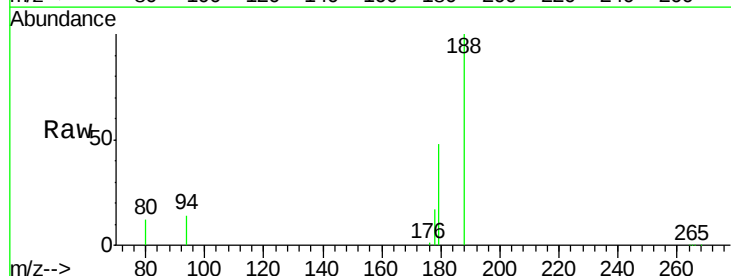
Tgt Ion:178 Resp: 31209

Ion Ratio Lower Upper

178 100

176 5.1 14.0 21.0#

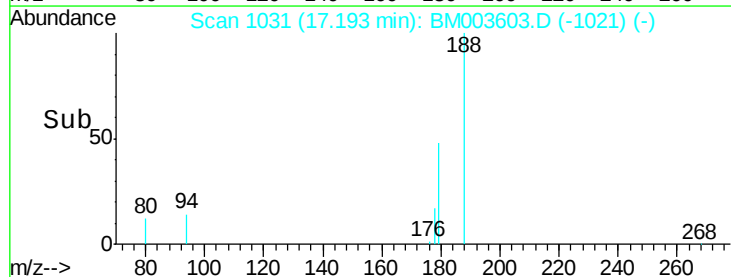
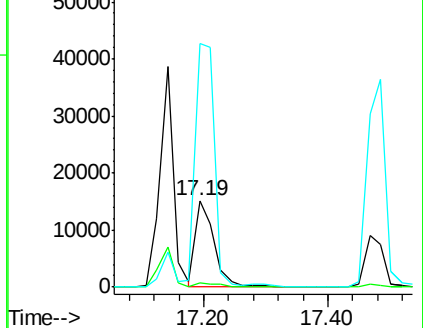
179 281.7 12.9 19.3#

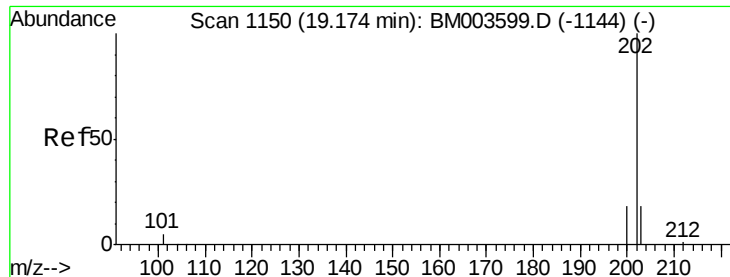


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.03 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BM003603.D

Acq: 17 Dec 2015 17:29

Instrument :

BNA_M

ClientSampleId :

D9N31DL

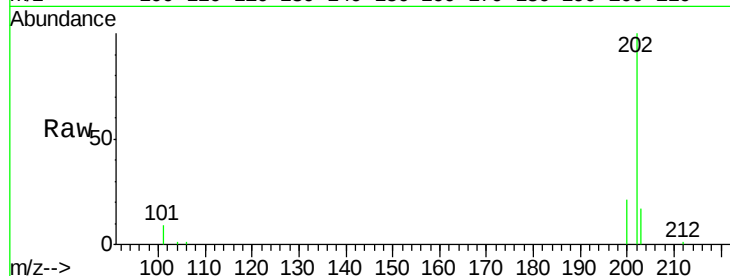
Tgt Ion:202 Resp: 13002

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.6

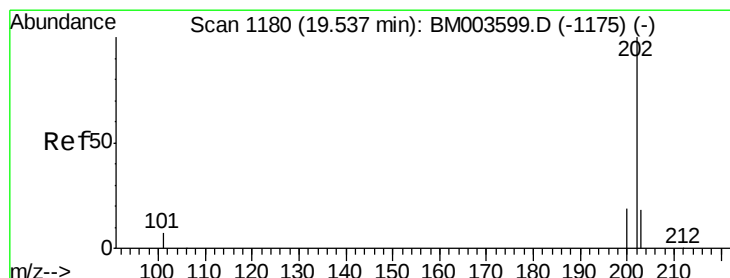
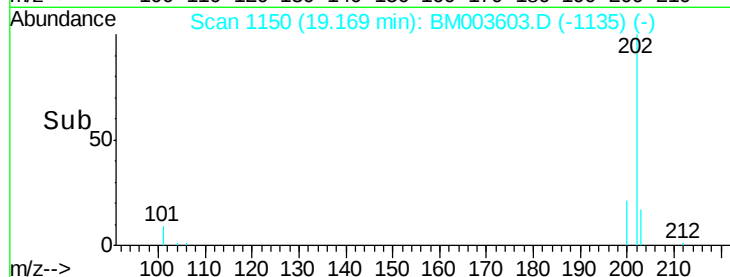
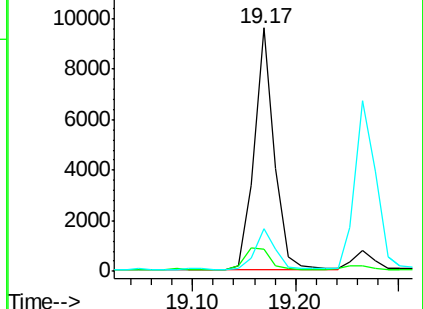
203 17.5 0.0 36.3



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: 0.44 ng/ul

RT: 19.53 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BM003603.D

Acq: 17 Dec 2015 17:29

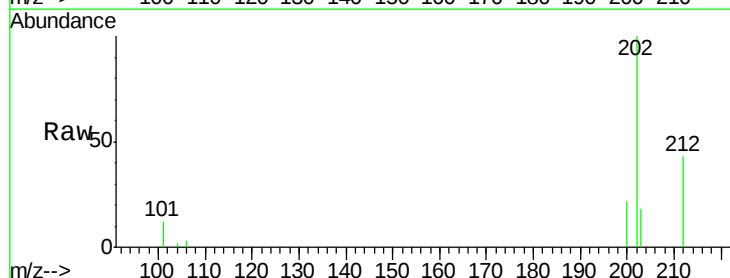
Tgt Ion:202 Resp: 11192

Ion Ratio Lower Upper

202 100

200 22.0 17.8 26.8

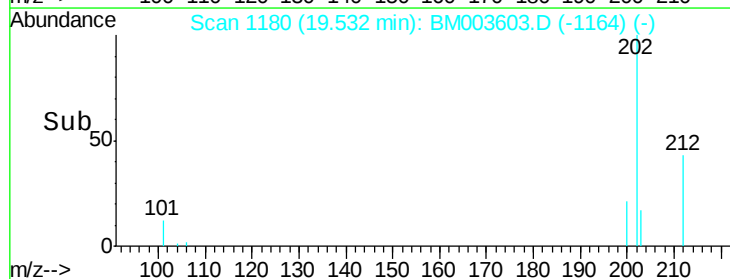
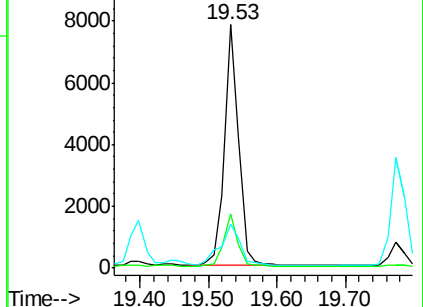
203 18.0 12.8 19.2

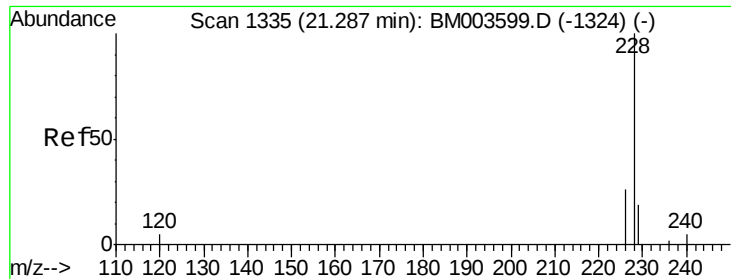


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.29 min Scan# 1336

Delta R.T. 0.01 min

Lab File: BM003603.D

Acq: 17 Dec 2015 17:29

Instrument :

BNA_M

ClientSampleId :

D9N31DL

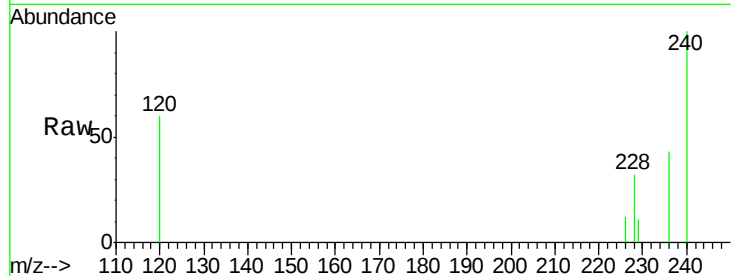
Tgt Ion:228 Resp: 872

Ion Ratio Lower Upper

228 100

226 37.1 18.8 28.2#

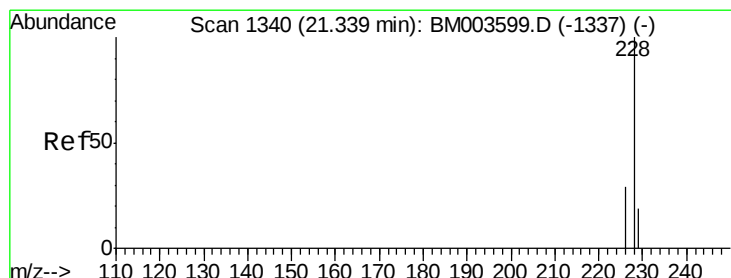
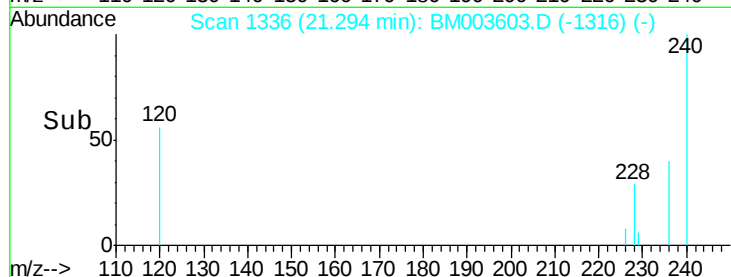
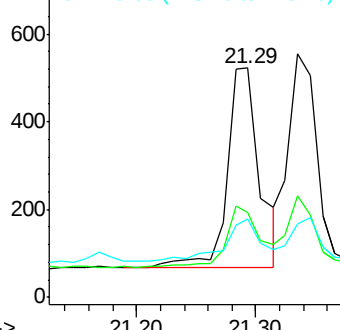
229 34.4 17.1 25.7#



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: 0.03 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BM003603.D

Acq: 17 Dec 2015 17:29

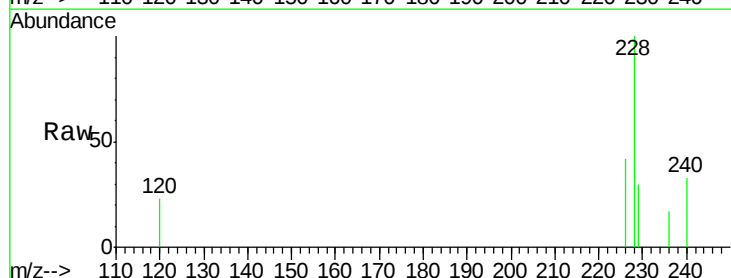
Tgt Ion:228 Resp: 781

Ion Ratio Lower Upper

228 100

226 41.6 21.2 31.8#

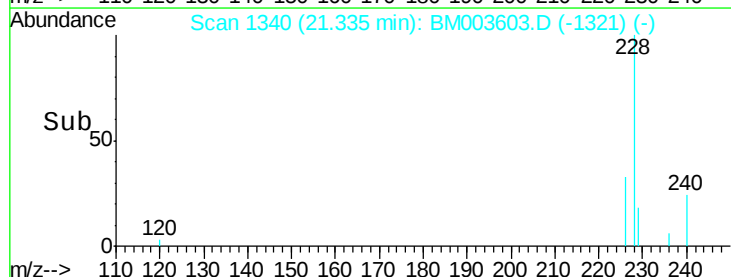
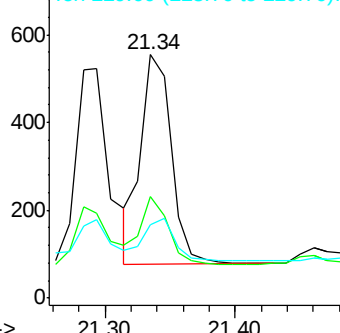
229 30.1 17.0 25.6#

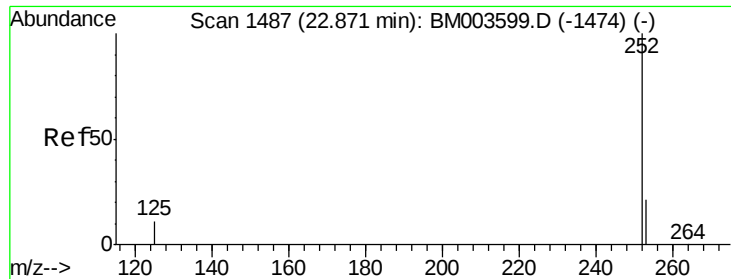


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. 0.01 min

Lab File: BM003603.D

Acq: 17 Dec 2015 17:29

Instrument :

BNA_M

ClientSampleId :

D9N31DL

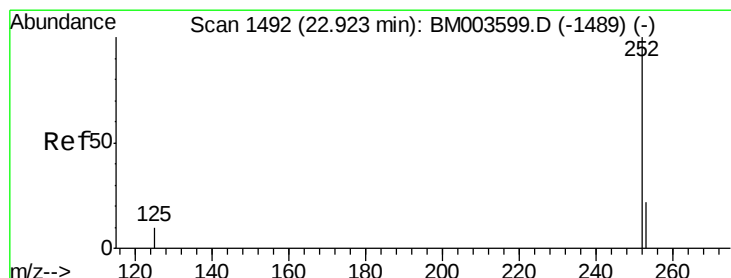
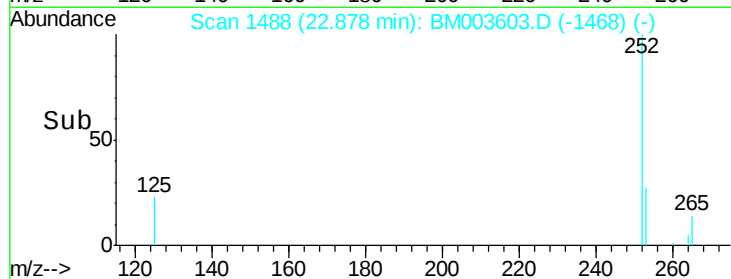
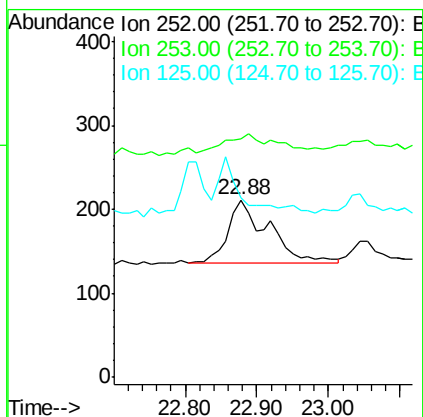
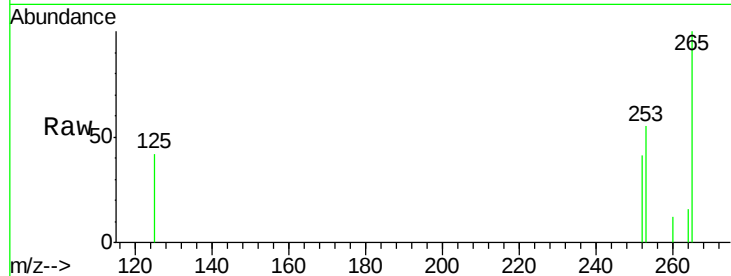
Tgt Ion:252 Resp: 295

Ion Ratio Lower Upper

252 100

253 134.6 0.0 45.4#

125 101.4 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.05 min

Lab File: BM003603.D

Acq: 17 Dec 2015 17:29

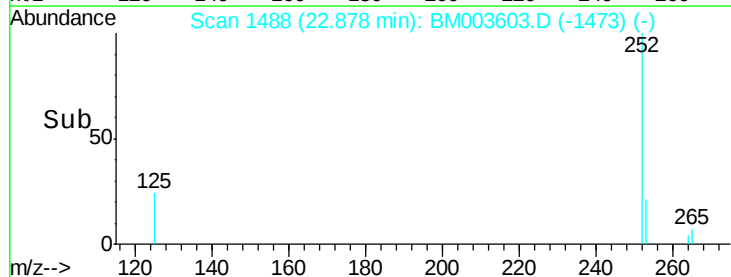
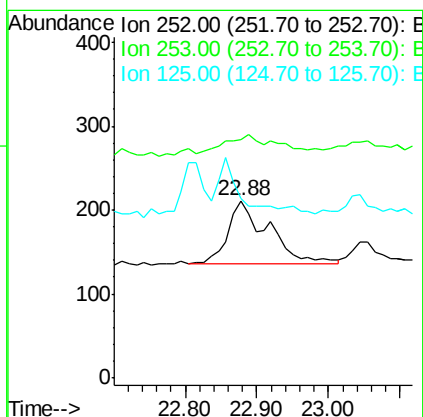
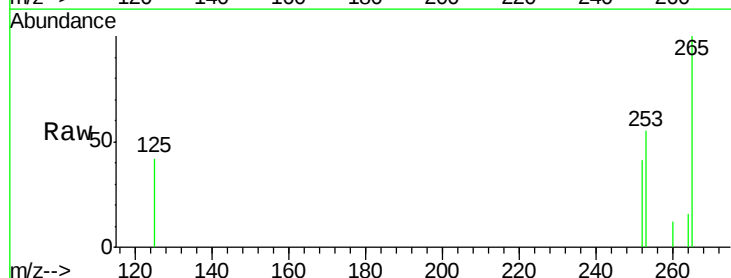
Tgt Ion:252 Resp: 295

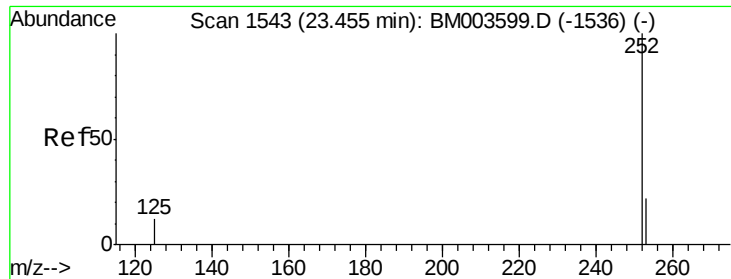
Ion Ratio Lower Upper

252 100

253 134.6 19.8 29.8#

125 101.4 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.05 min

Lab File: BM003603.D

Acq: 17 Dec 2015 17:29

Instrument :

BNA_M

ClientSampleId :

D9N31DL

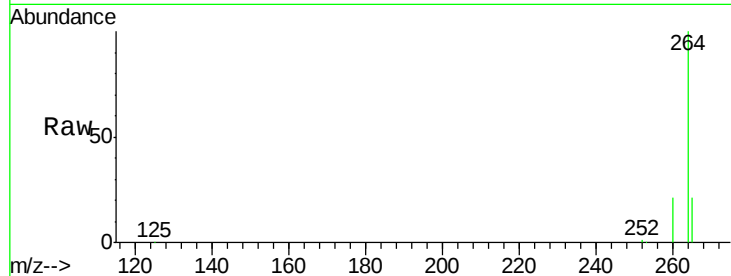
Tgt Ion:252 Resp: 676

Ion Ratio Lower Upper

252 100

253 84.8 19.4 29.2#

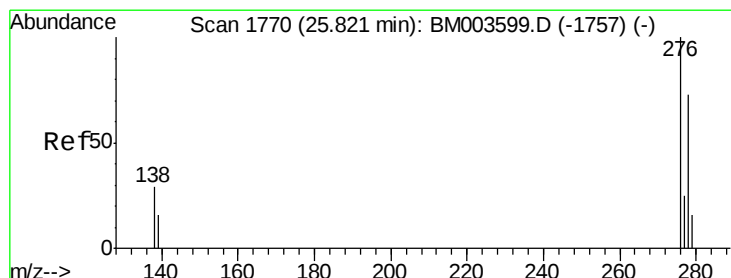
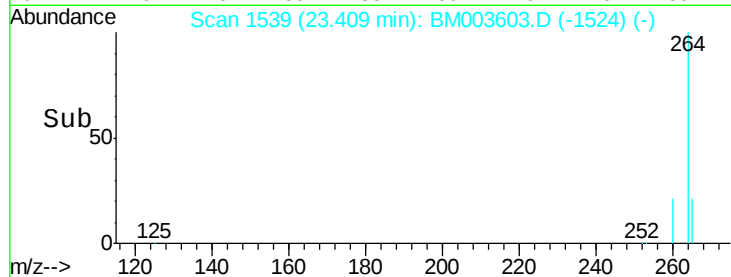
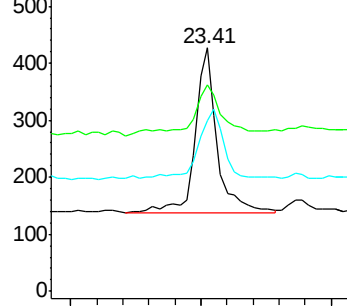
125 70.0 12.7 19.1#



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: BM003603.D

Acq: 17 Dec 2015 17:29

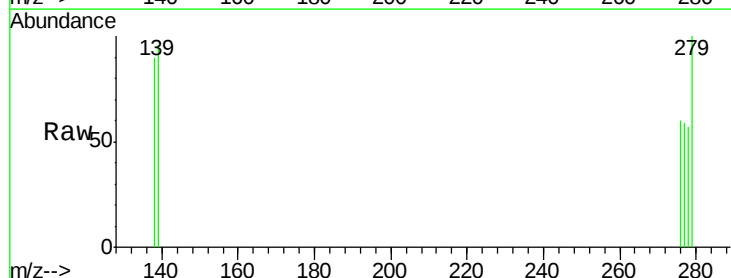
Tgt Ion:276 Resp: 69

Ion Ratio Lower Upper

276 100

138 34.8 16.3 24.5#

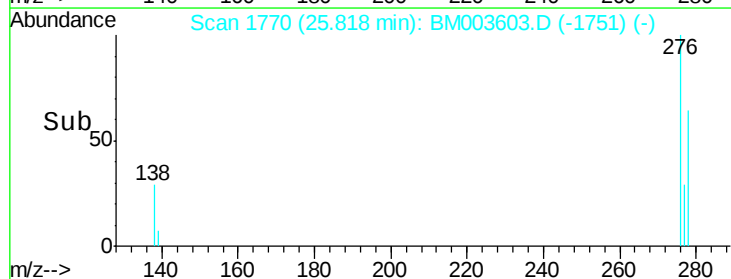
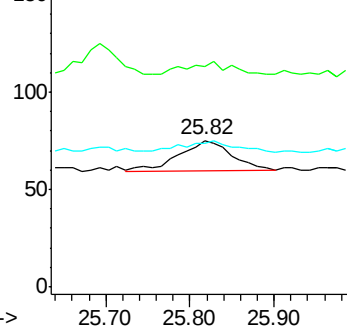
277 37.7 19.8 29.8#

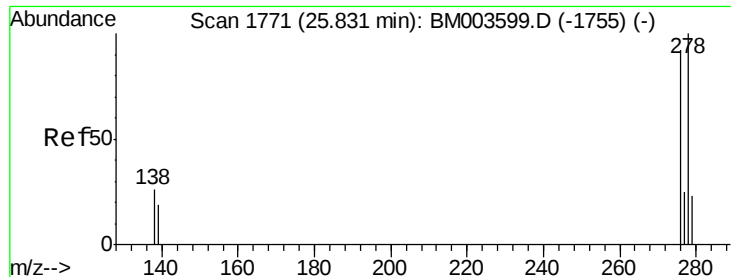


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



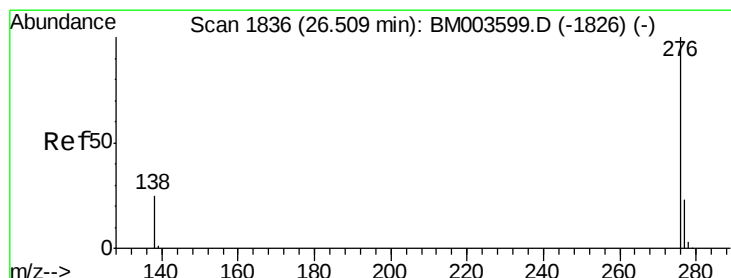
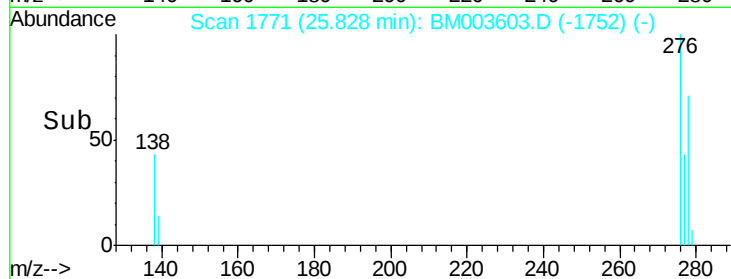
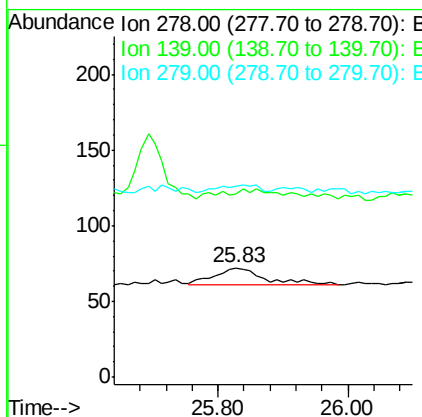
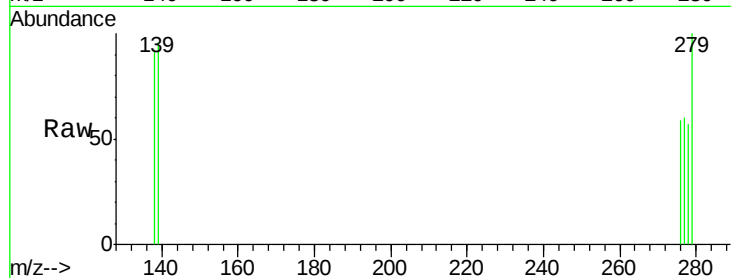


#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.83 min Scan# 1771
Delta R.T. -0.00 min
Lab File: BM003603.D
Acq: 17 Dec 2015 17:29

Instrument :
BNA_M
ClientSampleId :
D9N31DL

Tgt Ion: 278 Resp: 60

Ion	Ratio	Lower	Upper
278	100		
139	168.1	16.4	24.6#
279	175.0	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.51 min Scan# 1836
Delta R.T. -0.00 min
Lab File: BM003603.D
Acq: 17 Dec 2015 17:29

Tgt Ion: 276 Resp: 66

Ion	Ratio	Lower	Upper
276	100		
277	100.0	18.9	28.3#
138	157.7	22.5	33.7#

