

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
 Data File : BM003605.D
 Acq On : 17 Dec 2015 18:42
 Operator : UM/IZ
 Sample : G4767-11DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N33DL

Quant Time: Dec 18 00:46:36 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	2458	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	10124	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.35	164	6058	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.19	188	177793	0.40	ng/ul	0.09
18) Chrysene-d12	21.30	240	10585	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	9503	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	2678	2.55	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	932	0.08	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	1798	0.00	ng/ul	0.00

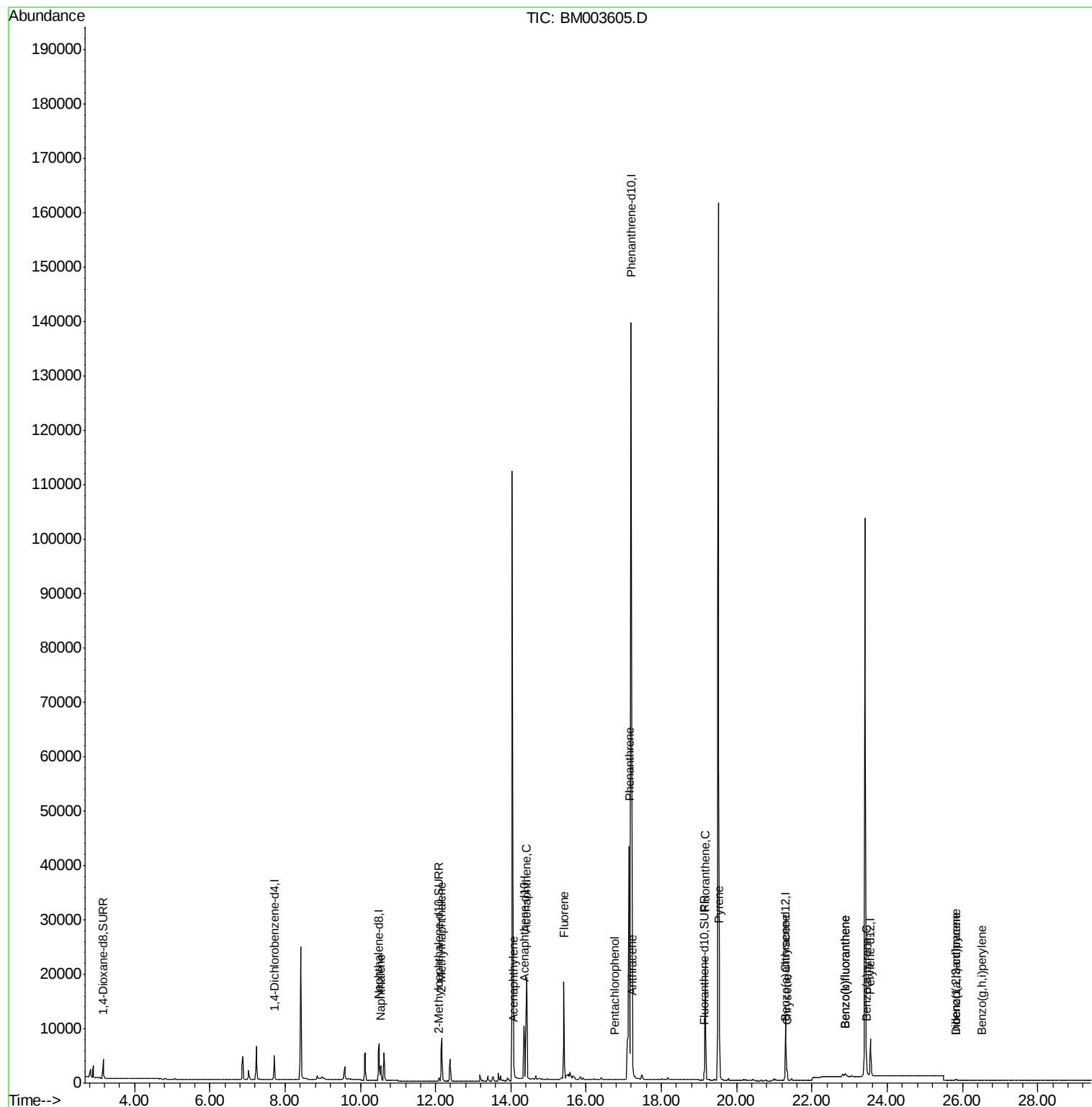
Target Compounds				Qvalue		
5) Naphthalene	10.55	128	4331	0.19	ng/ul#	94
7) 2-Methylnaphthalene	12.16	142	6111	0.40	ng/ul	98
9) Acenaphthylene	14.07	152	820	0.04	ng/ul#	72
10) Acenaphthene	14.42	153	12384	0.66	ng/ul	95
11) Fluorene	15.41	166	12538	0.61	ng/ul	94
13) Pentachlorophenol	16.76	266	19	0.00	ng/ul#	47
14) Phenanthrene	17.14	178	48170	0.11	ng/ul	96
15) Anthracene	17.23	178	5125	0.01	ng/ul#	92
17) Fluoranthene	19.17	202	21499	0.04	ng/ul	98
19) Pyrene	19.53	202	16831	0.59	ng/ul	97
20) Benzo(a)anthracene	21.28	228	2433	0.09	ng/ul#	89
21) Chrysene	21.34	228	1800	0.06	ng/ul#	87
23) Benzo(b)fluoranthene	22.88	252	1365	0.04	ng/ul#	18
24) Benzo(k)fluoranthene	22.88	252	1365	0.05	ng/ul#	20
25) Benzo(a)pyrene	23.45	252	439	0.02	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.82	276	169	0.01	ng/ul#	77
27) Dibenzo(a,h)anthracene	25.83	278	71	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.52	276	151	0.01	ng/ul#	1

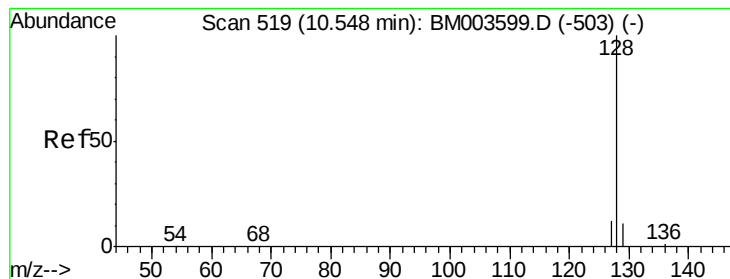
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.19 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003605.D

Acq: 17 Dec 2015 18:42

Instrument :

BNA_M

ClientSampleId :

D9N33DL

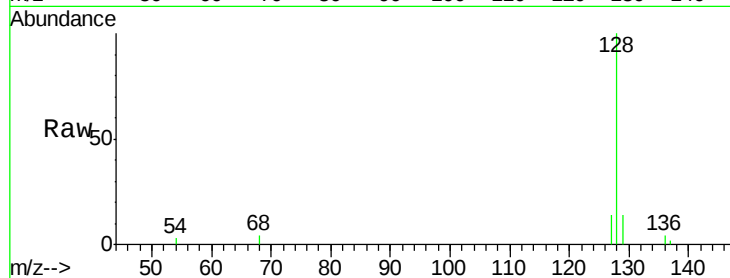
Tgt Ion:128 Resp: 4331

Ion Ratio Lower Upper

128 100

129 13.9 9.0 13.6#

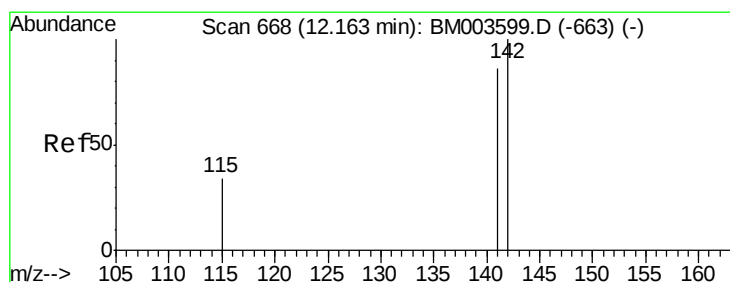
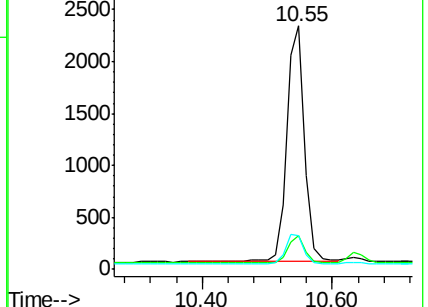
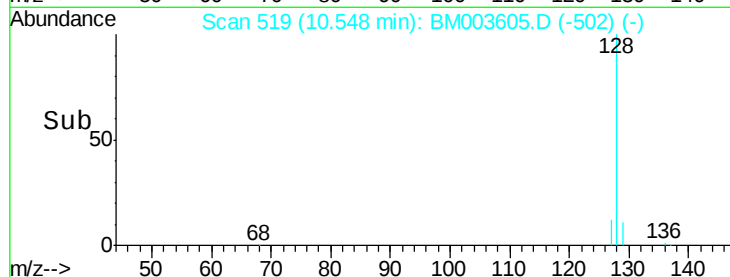
127 14.1 9.6 14.4



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



#7

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. 0.00 min

Lab File: BM003605.D

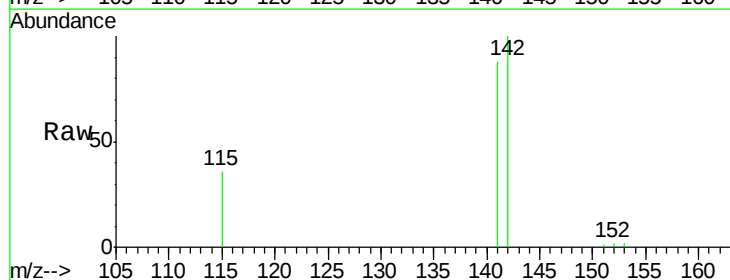
Acq: 17 Dec 2015 18:42

Tgt Ion:142 Resp: 6111

Ion Ratio Lower Upper

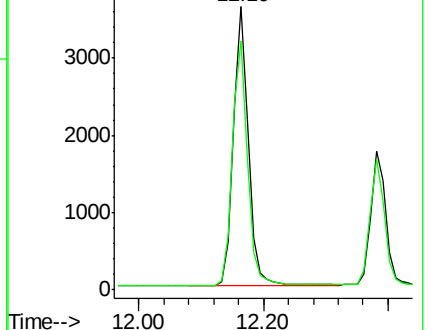
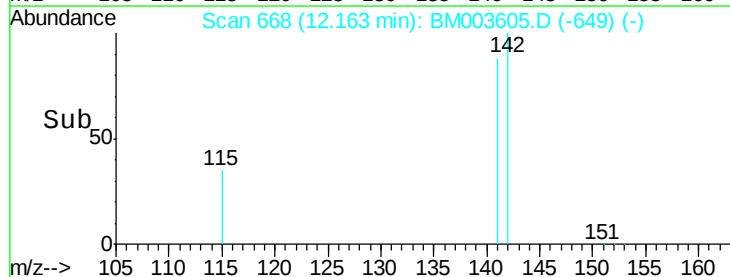
142 100

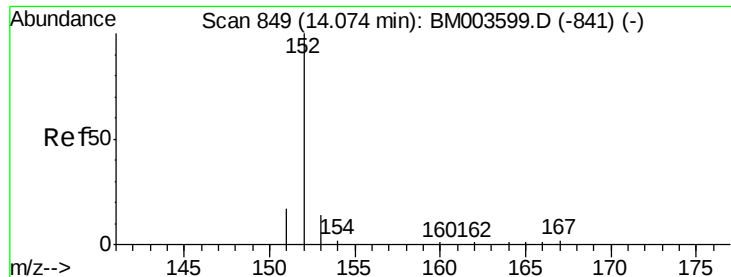
141 89.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003605.D

Acq: 17 Dec 2015 18:42

Instrument :

BNA_M

ClientSampleId :

D9N33DL

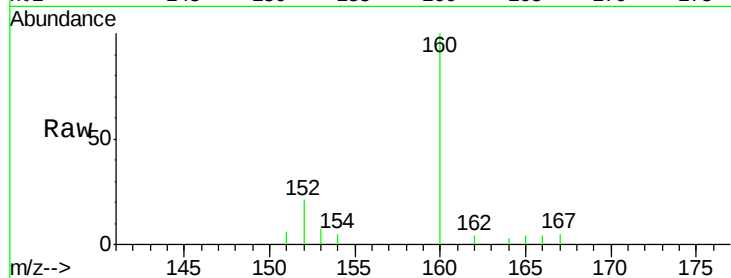
Tgt Ion:152 Resp: 820

Ion Ratio Lower Upper

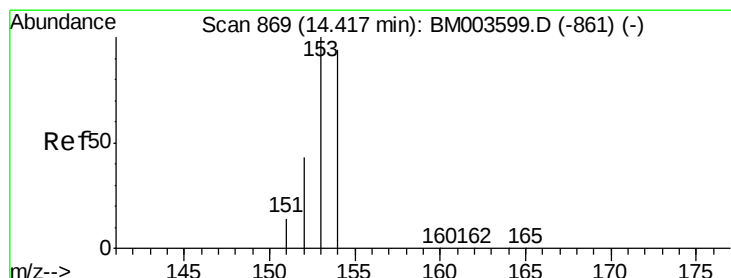
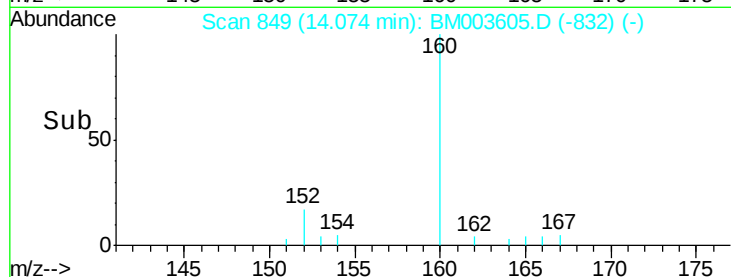
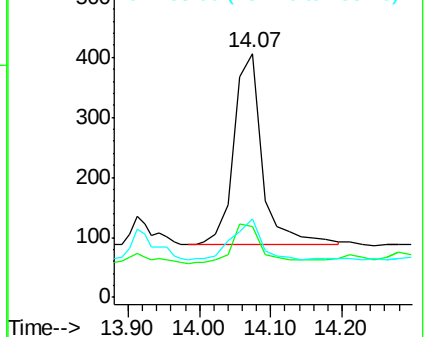
152 100

151 29.1 17.6 26.4#

153 32.5 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: 0.66 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003605.D

Acq: 17 Dec 2015 18:42

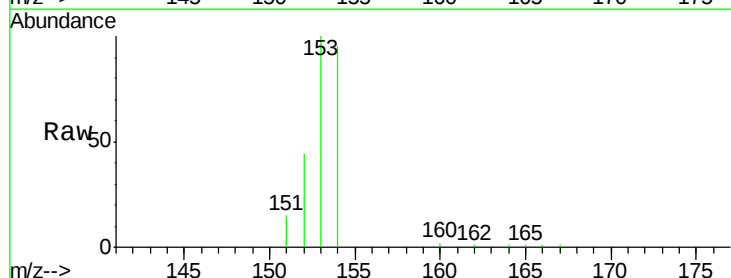
Tgt Ion:153 Resp: 12384

Ion Ratio Lower Upper

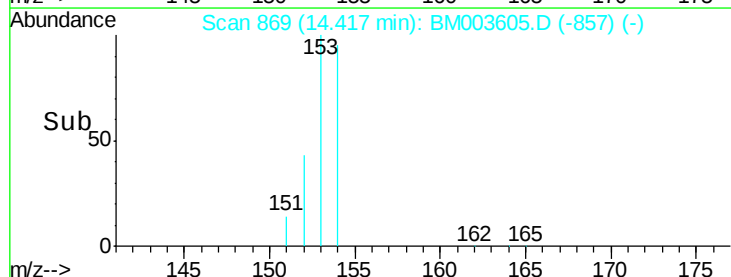
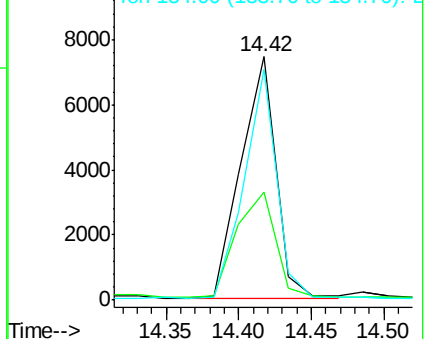
153 100

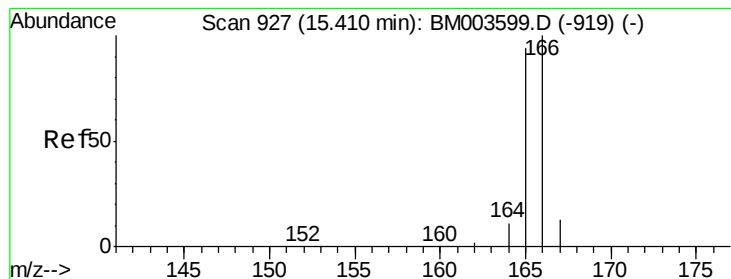
152 44.3 33.9 50.9

154 95.1 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: 0.61 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003605.D

Acq: 17 Dec 2015 18:42

Instrument :

BNA_M

ClientSampleId :

D9N33DL

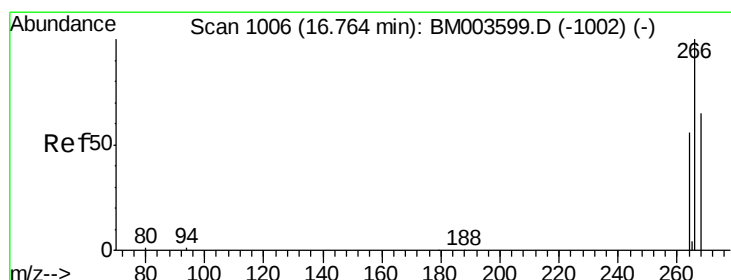
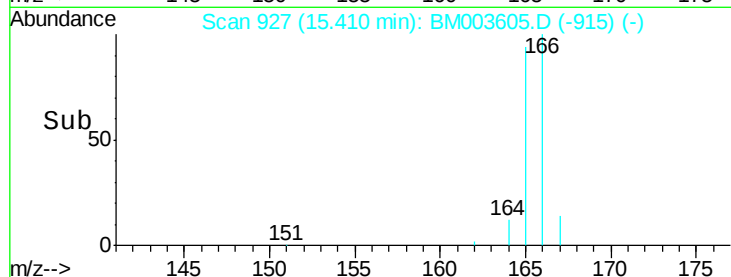
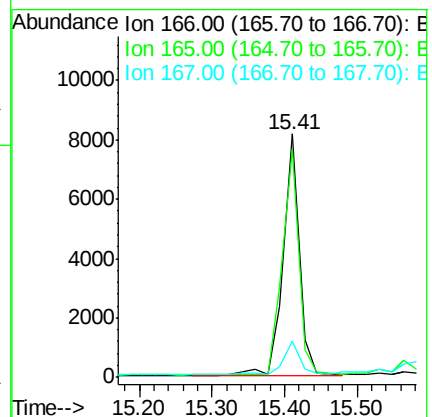
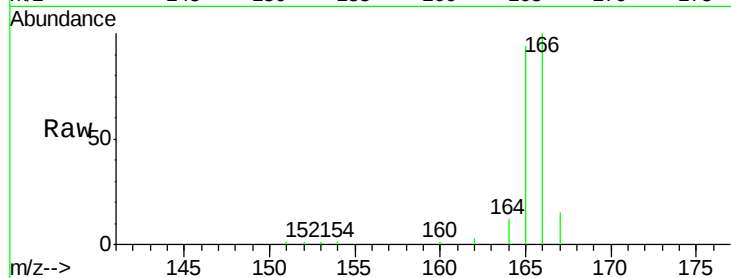
Tgt Ion:166 Resp: 12538

Ion Ratio Lower Upper

166 100

165 93.8 69.6 104.4

167 14.8 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: BM003605.D

Acq: 17 Dec 2015 18:42

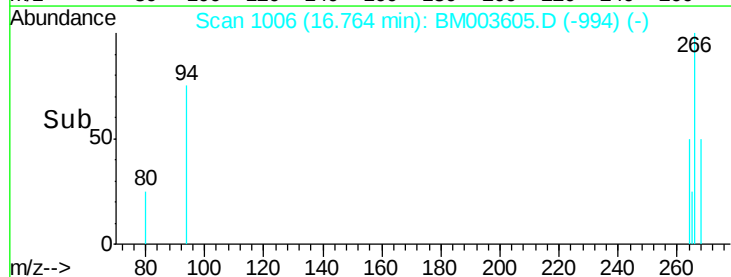
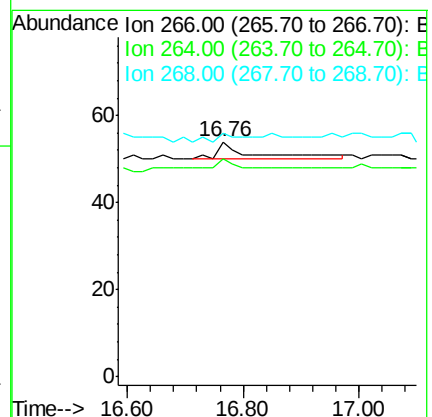
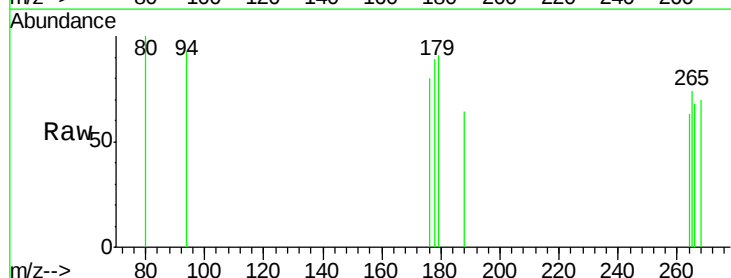
Tgt Ion:266 Resp: 19

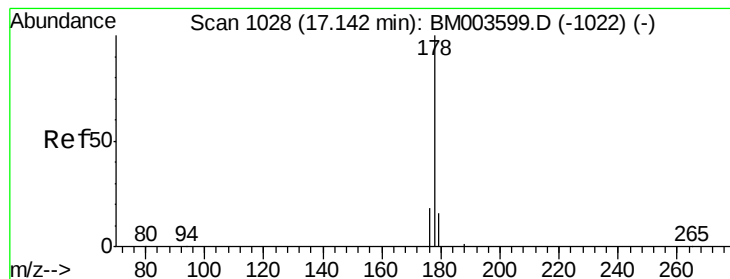
Ion Ratio Lower Upper

266 100

264 15.8 51.8 77.8#

268 26.3 46.8 70.2#





#14

Phenanthrene

Concen: 0.11 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BM003605.D

Acq: 17 Dec 2015 18:42

Instrument :

BNA_M

ClientSampleId :

D9N33DL

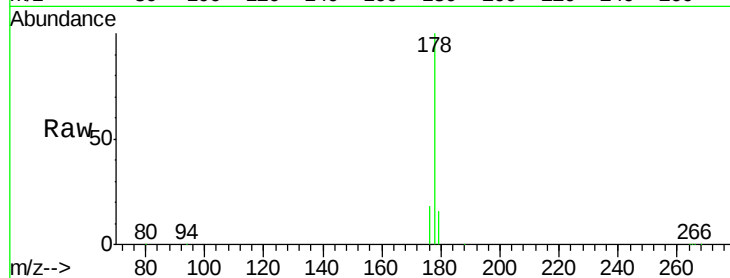
Tgt Ion:178 Resp: 48170

Ion Ratio Lower Upper

178 100

176 18.0 13.0 19.4

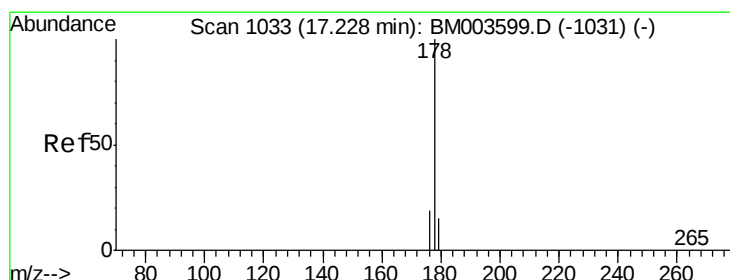
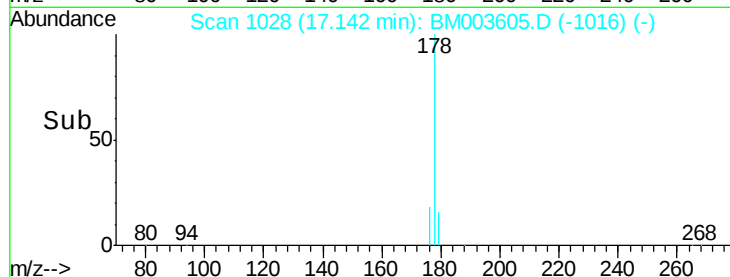
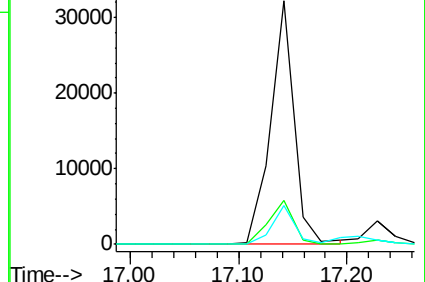
179 16.1 14.2 21.2



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: 0.01 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM003605.D

Acq: 17 Dec 2015 18:42

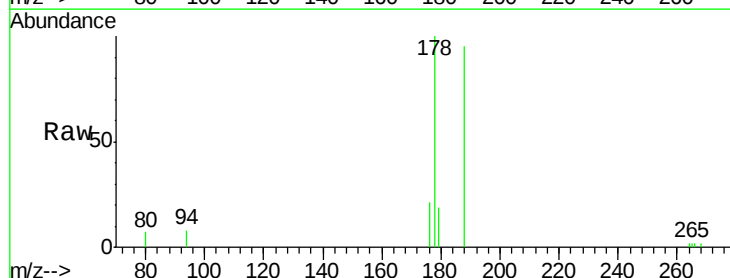
Tgt Ion:178 Resp: 5125

Ion Ratio Lower Upper

178 100

176 20.7 14.0 21.0

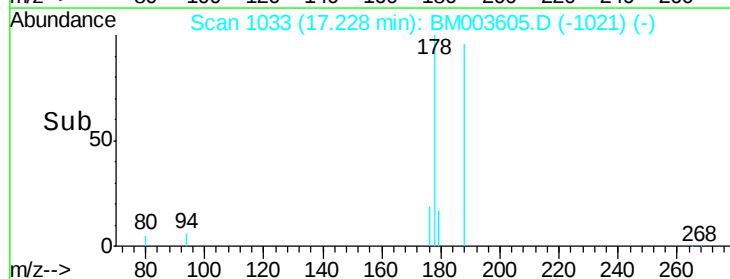
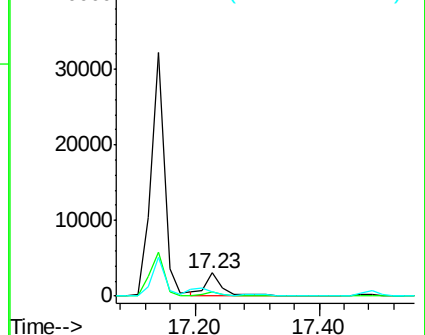
179 19.4 12.9 19.3#

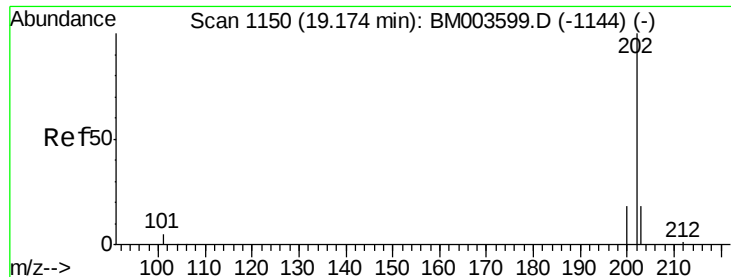


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

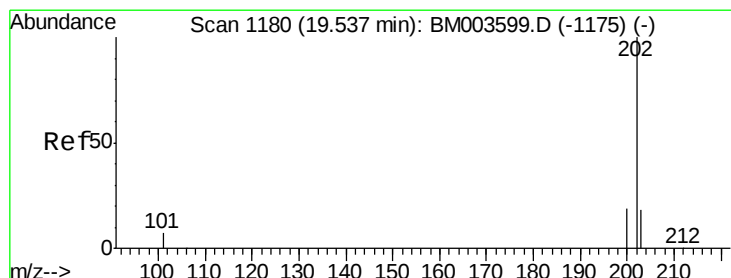
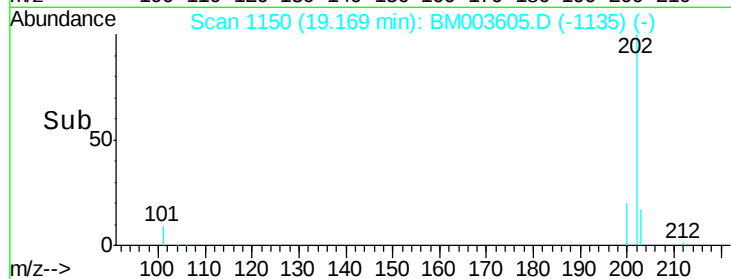
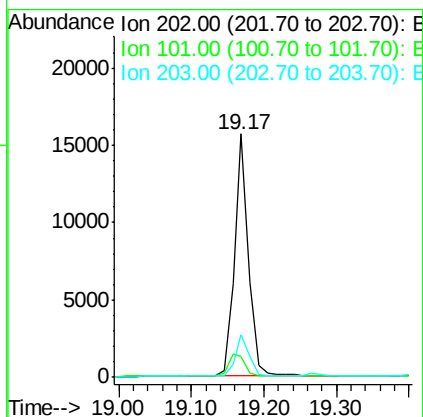
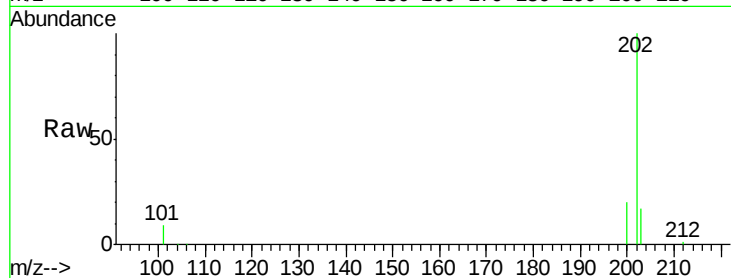




#17
Fluoranthene
 Concen: 0.04 ng/ul
 RT: 19.17 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BM003605.D
 Acq: 17 Dec 2015 18:42

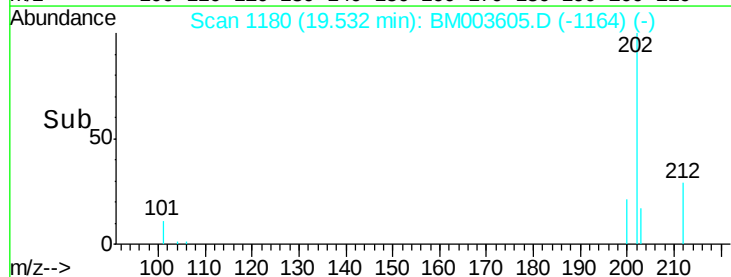
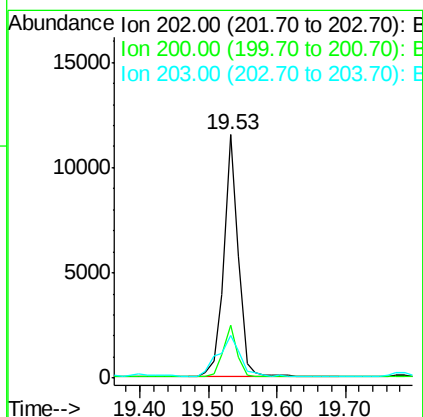
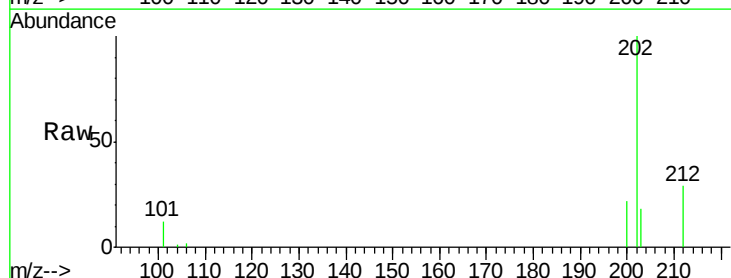
Instrument :
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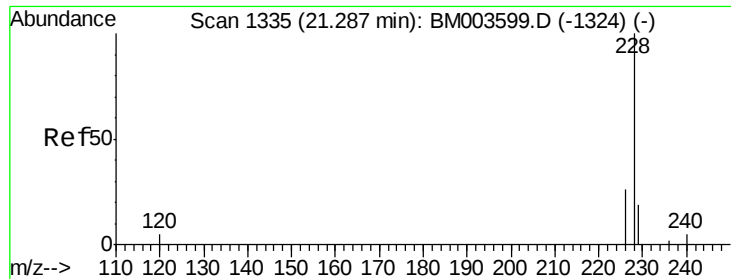
Tgt Ion:202 Resp: 21499
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 29.6
 203 17.4 0.0 36.3



#19
Pyrene
 Concen: 0.59 ng/ul
 RT: 19.53 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BM003605.D
 Acq: 17 Dec 2015 18:42

Tgt Ion:202 Resp: 16831
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.8 26.8
 203 17.7 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BM003605.D

Acq: 17 Dec 2015 18:42

Instrument :

BNA_M

ClientSampleId :

D9N33DL

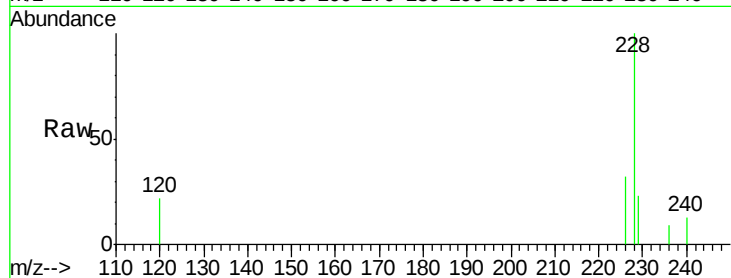
Tgt Ion:228 Resp: 2433

Ion Ratio Lower Upper

228 100

226 32.2 18.8 28.2#

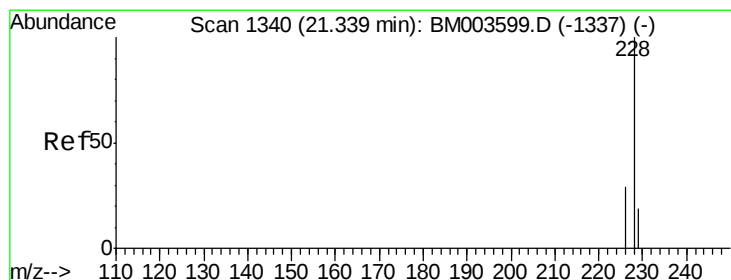
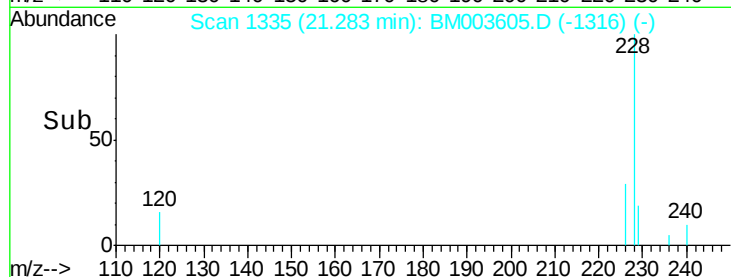
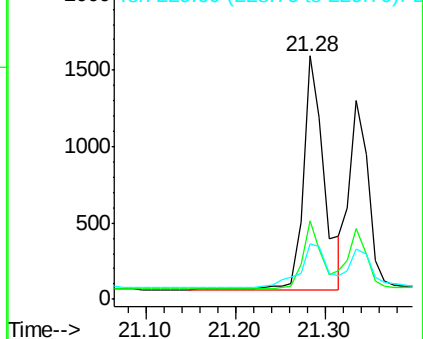
229 23.0 17.1 25.7



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: 0.06 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BM003605.D

Acq: 17 Dec 2015 18:42

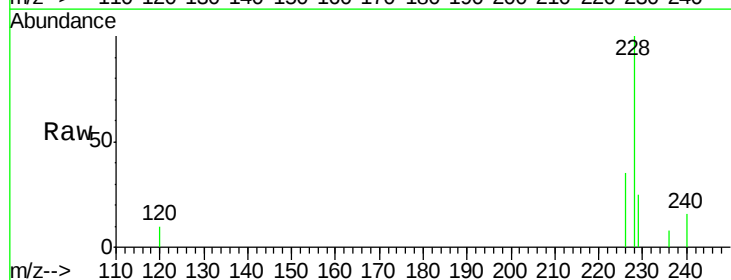
Tgt Ion:228 Resp: 1800

Ion Ratio Lower Upper

228 100

226 35.5 21.2 31.8#

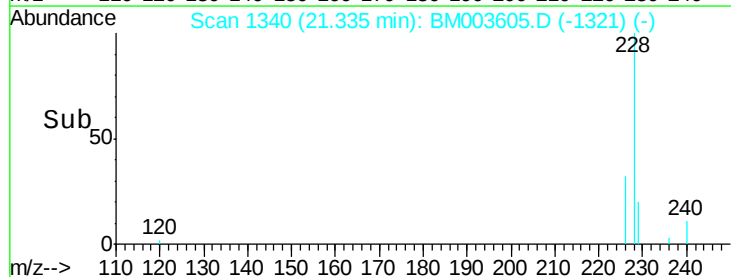
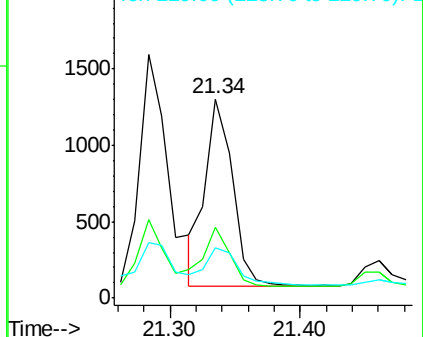
229 25.0 17.0 25.6

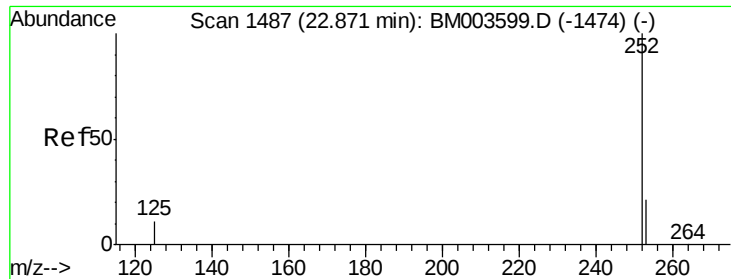


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.04 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. 0.01 min

Lab File: BM003605.D

Acq: 17 Dec 2015 18:42

Instrument :

BNA_M

ClientSampleId :

D9N33DL

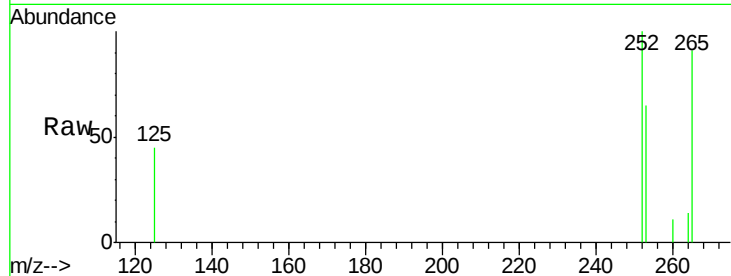
Tgt Ion:252 Resp: 1365

Ion Ratio Lower Upper

252 100

253 64.7 0.0 45.4#

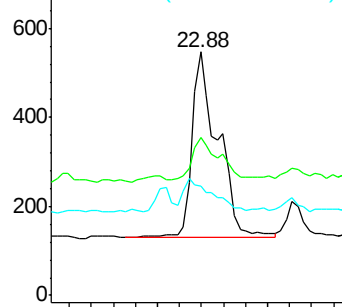
125 44.8 0.0 28.8#



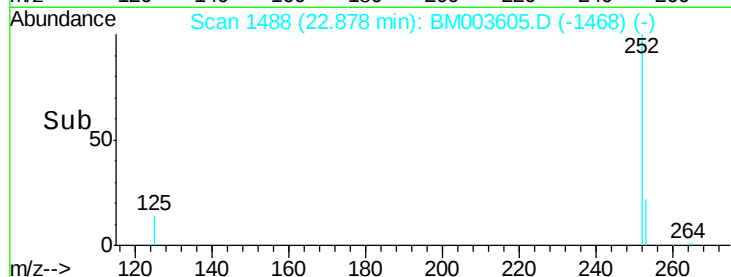
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Benzo(k)fluoranthene

Concen: 0.05 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. -0.05 min

Lab File: BM003605.D

Acq: 17 Dec 2015 18:42

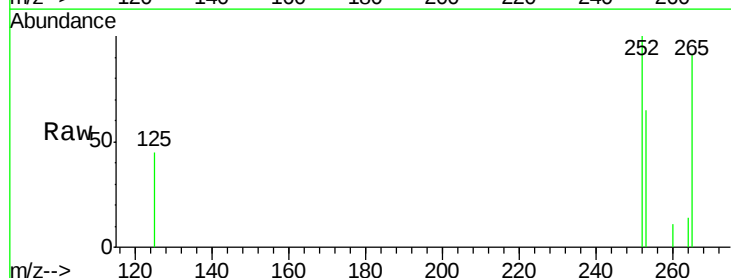
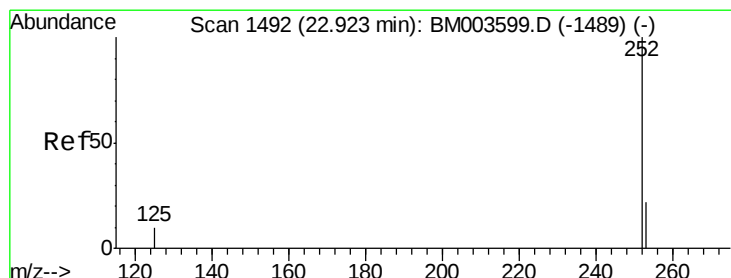
Tgt Ion:252 Resp: 1365

Ion Ratio Lower Upper

252 100

253 64.7 19.8 29.8#

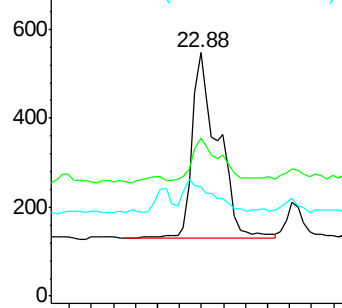
125 44.8 10.4 15.6#



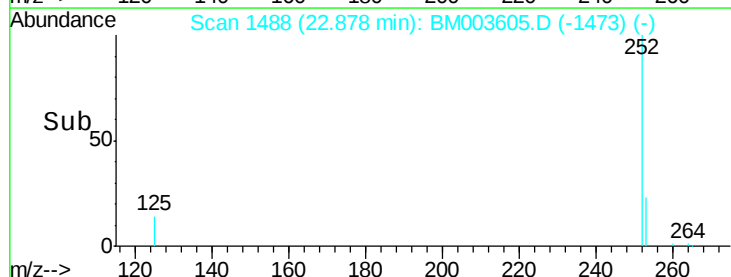
Abundance Ion 252.00 (251.70 to 252.70): E

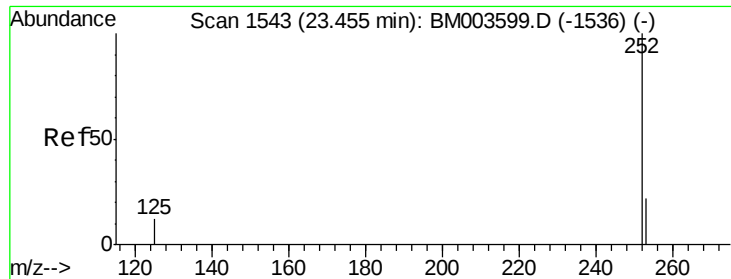
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#25

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.45 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BM003605.D

Acq: 17 Dec 2015 18:42

Instrument :

BNA_M

ClientSampleId :

D9N33DL

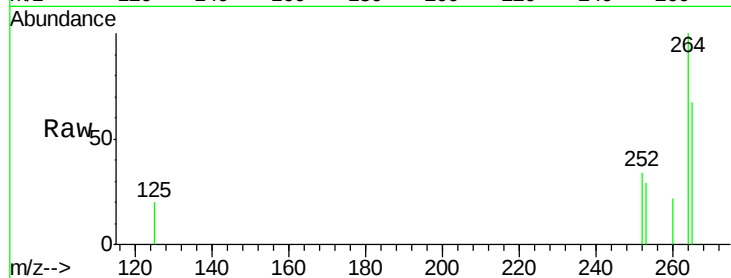
Tgt Ion:252 Resp: 439

Ion Ratio Lower Upper

252 100

253 84.2 19.4 29.2#

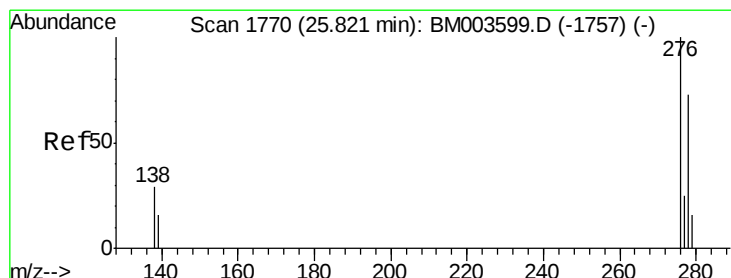
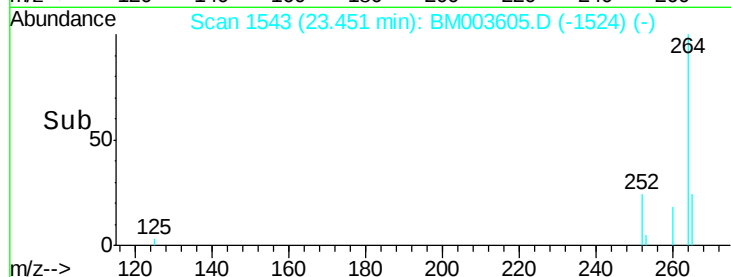
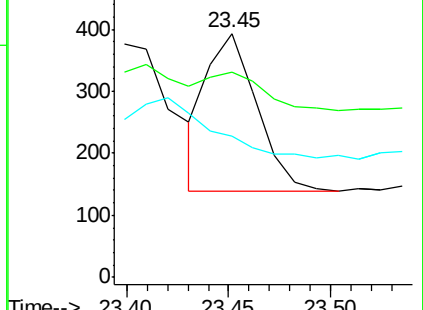
125 57.8 12.7 19.1#



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: 25.82 min Scan# 1770

Delta R.T. -0.00 min

Lab File: BM003605.D

Acq: 17 Dec 2015 18:42

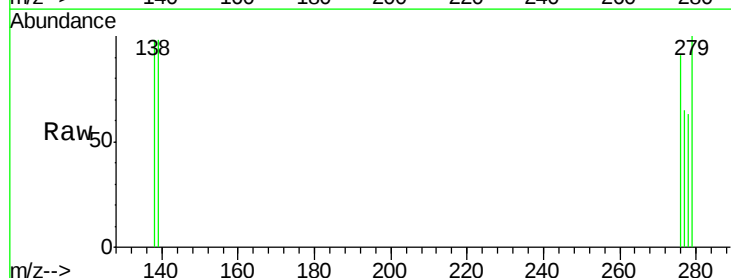
Tgt Ion:276 Resp: 169

Ion Ratio Lower Upper

276 100

138 35.5 16.3 24.5#

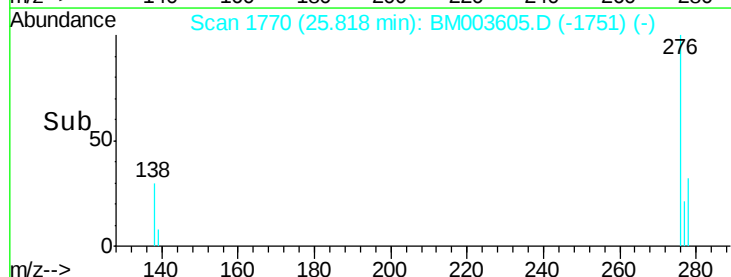
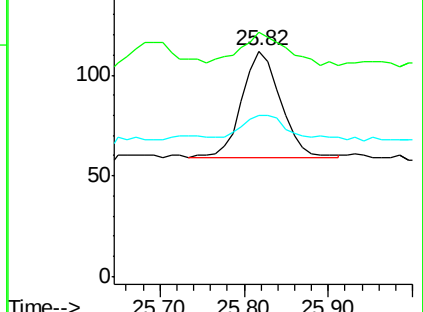
277 32.0 19.8 29.8#

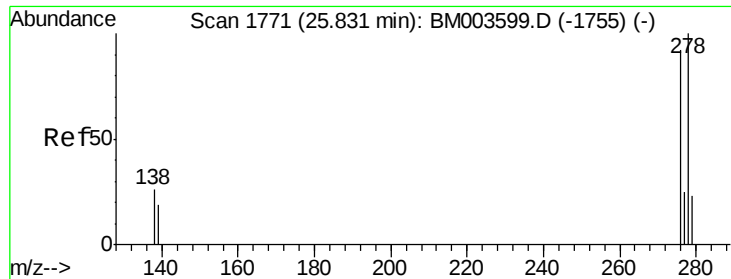


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



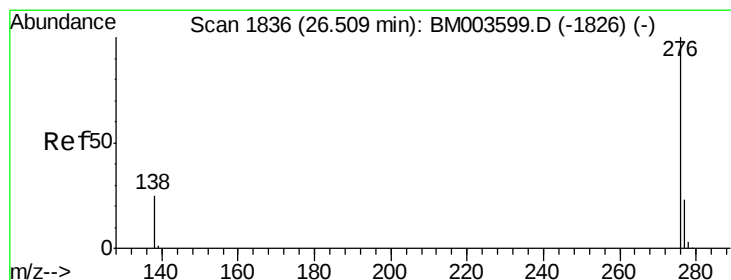
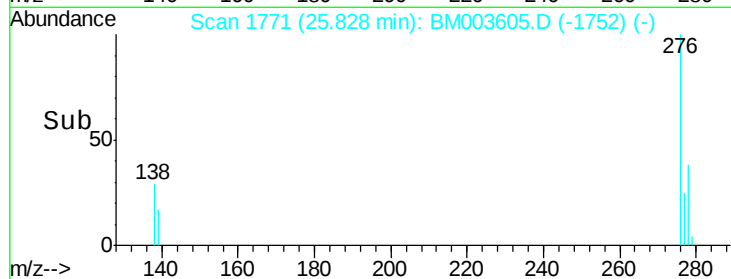
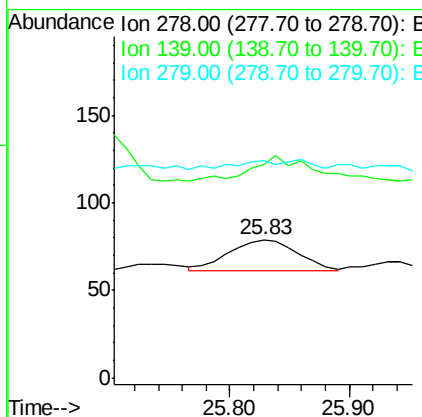
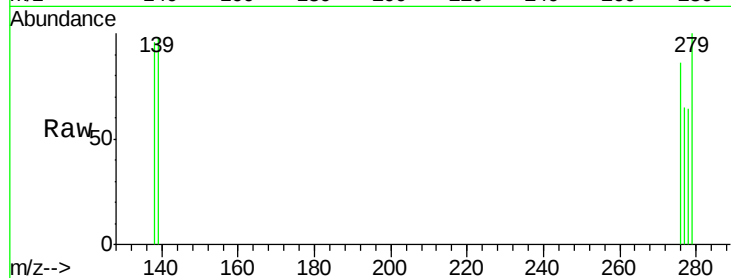


#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.83 min Scan# 1771
Delta R.T. -0.00 min
Lab File: BM003605.D
Acq: 17 Dec 2015 18:42

Instrument :
BNA_M
ClientSampleId :
D9N33DL

Tgt Ion: 278 Resp: 71

Ion	Ratio	Lower	Upper
278	100		
139	154.4	16.4	24.6#
279	157.0	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.01 ng/ul
RT: 26.52 min Scan# 1837
Delta R.T. 0.01 min
Lab File: BM003605.D
Acq: 17 Dec 2015 18:42

Tgt Ion: 276 Resp: 151

Ion	Ratio	Lower	Upper
276	100		
277	77.6	18.9	28.3#
138	116.3	22.5	33.7#

