

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022715\
 Data File : BM000622.D
 Acq On : 28 Feb 2015 00:27
 Operator : TP/IZ
 Sample : MDL-06-W
 Misc : MDL-WATER-0.4PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 28 01:11:13 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM022715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 23:02:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	3286	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	10994	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	5529	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	11621	0.40	ng/ul	0.00
18) Chrysene-d12	21.26	240	8508	0.40	ng/ul	0.01
22) Perylene-d12	23.46	264	7350	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.07	96	44	0.02	ng/uL	-0.06
6) 2-Methylnaphthalene-d10	12.06	152	3962	0.30	ng/ul	0.01
16) Fluoranthene-d10	19.10	212	6914	0.32	ng/ul	0.01

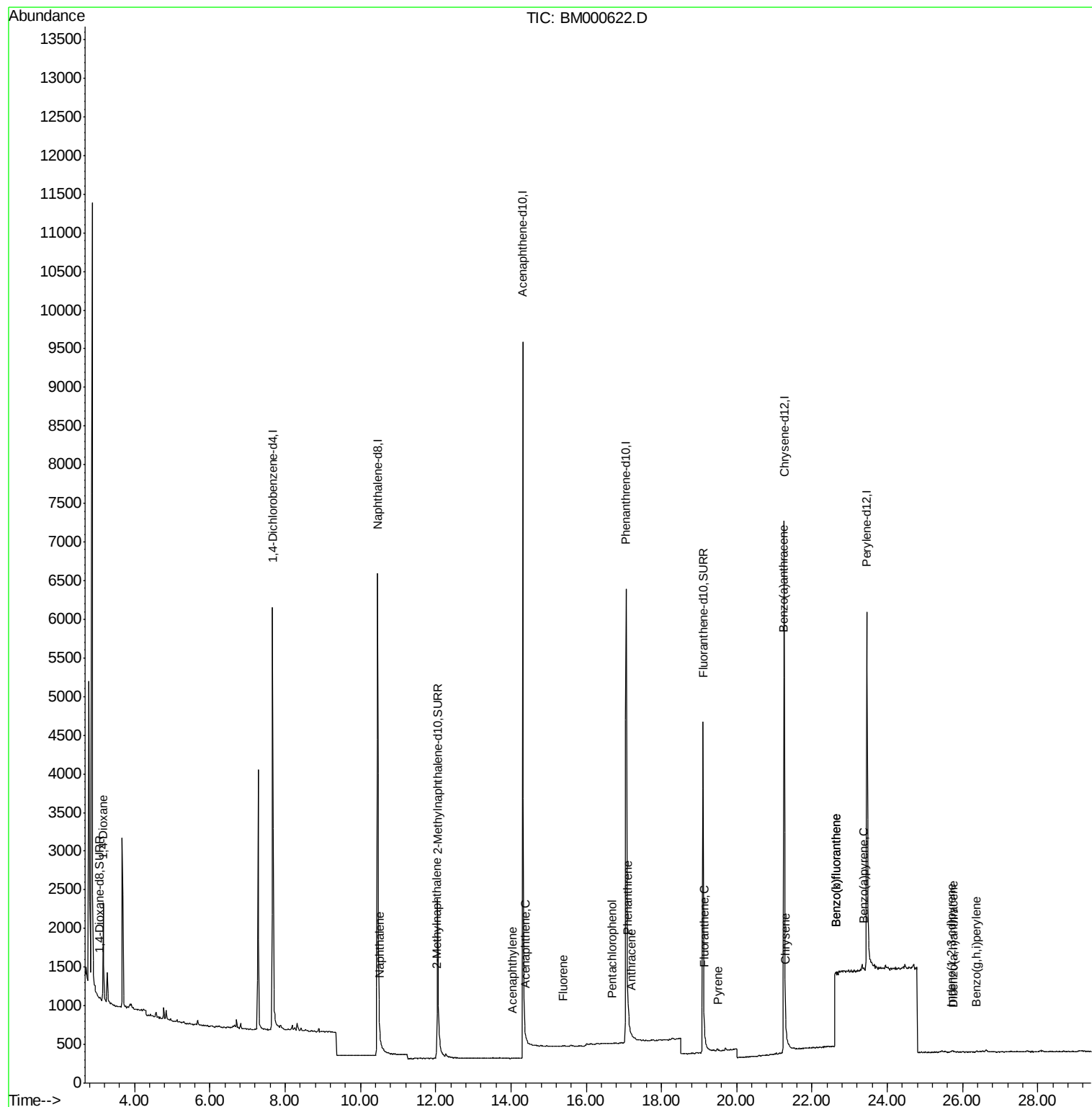
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.17	88	2023	0.59	ng/ul#	50
5) Naphthalene	10.50	128	17	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.03	142	6	0.00	ng/ul	94
9) Acenaphthylene	14.04	152	13	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	6	0.00	ng/ul#	74
11) Fluorene	15.38	166	11	0.00	ng/ul#	48
13) Pentachlorophenol	16.69	266	11	0.01	ng/ul#	22
14) Phenanthrene	17.10	178	38	0.00	ng/ul#	1
15) Anthracene	17.20	178	19	0.00	ng/ul#	1
17) Fluoranthene	19.12	202	31	0.00	ng/ul#	1
19) Pyrene	19.50	202	25	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.25	228	54	0.00	ng/ul#	1
21) Chrysene	21.29	228	43	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.64	252	655	0.03	ng/ul#	1
24) Benzo(k)fluoranthene	22.64	252	655	0.03	ng/ul#	1
25) Benzo(a)pyrene	23.36	252	54	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.71	276	37	0.00	ng/ul#	35
27) Dibenzo(a,h)anthracene	25.75	278	53	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.37	276	44	0.00	ng/ul#	1

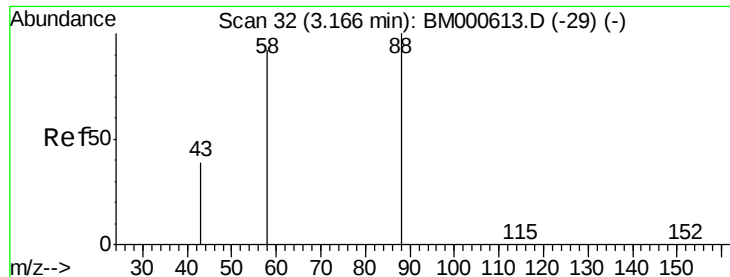
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.59 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

Instrument :

BNA_M

ClientSampled :

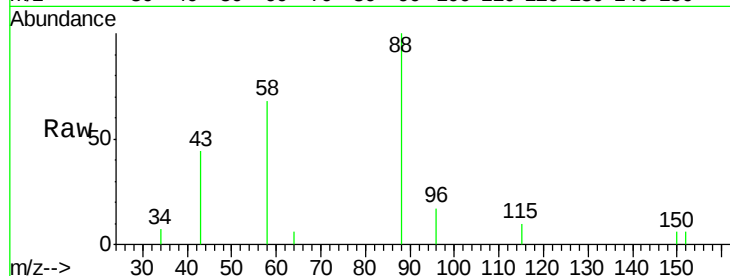
Tgt Ion: 88 Resp: 2023

Ion Ratio Lower Upper

88 100

58 39.1 62.7 94.1#

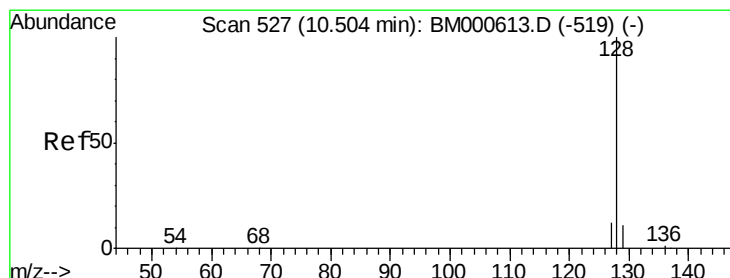
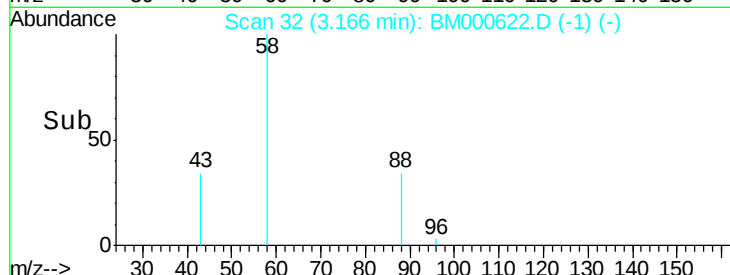
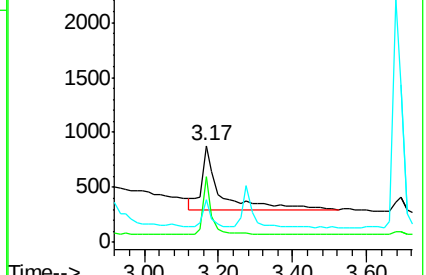
43 0.0 28.8 43.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000622.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM000622.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM000622.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.00 min

Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

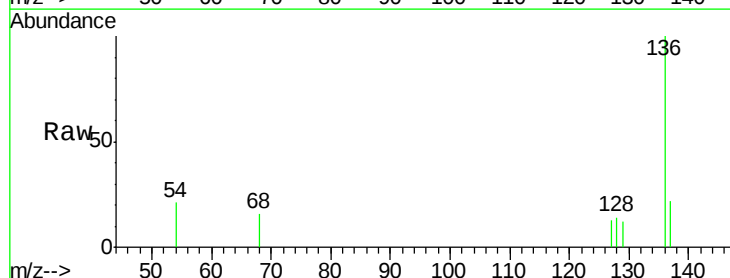
Tgt Ion: 128 Resp: 17

Ion Ratio Lower Upper

128 100

129 87.5 9.4 14.0#

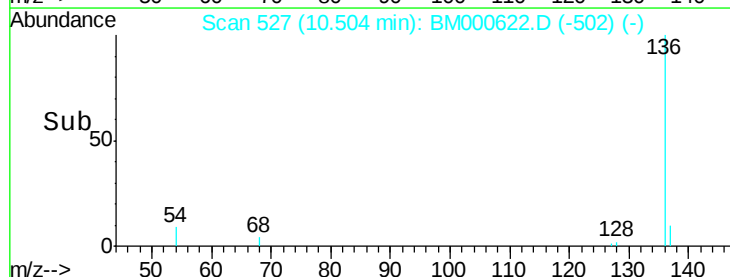
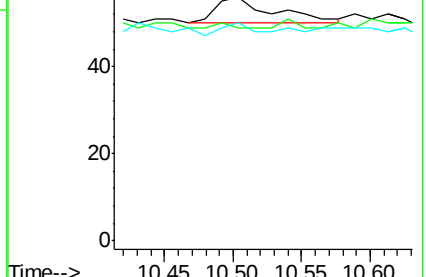
127 89.3 10.0 15.0#

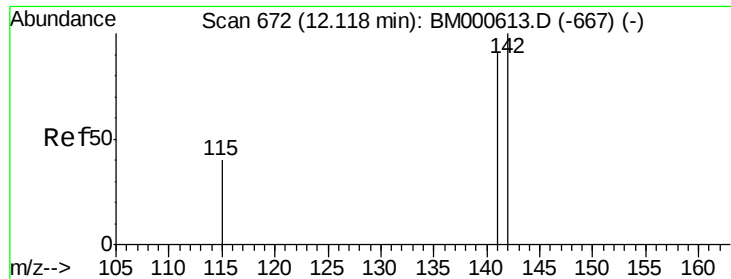


Abundance Ion 128.00 (127.70 to 128.70): BM000622.D (-502) (-)

Ion 129.00 (128.70 to 129.70): BM000622.D (-502) (-)

Ion 127.00 (126.70 to 127.70): BM000622.D (-502) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.03 min Scan# 664

Delta R.T. -0.08 min

Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

Instrument :

BNA_M

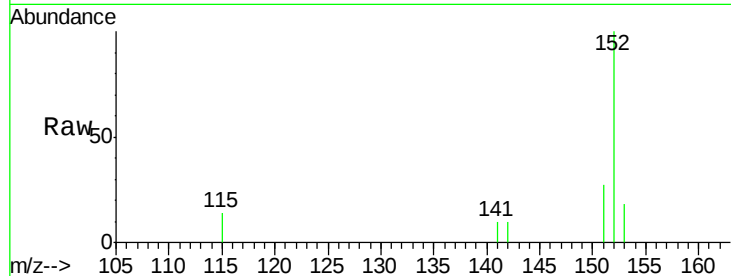
ClientSampleId :

Tgt Ion:142 Resp: 6

Ion Ratio Lower Upper

142 100

141 83.3 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.03

60

50

40

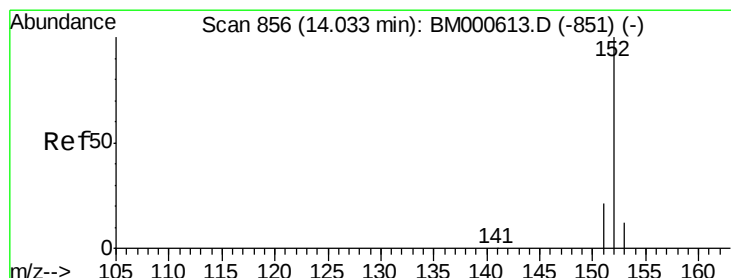
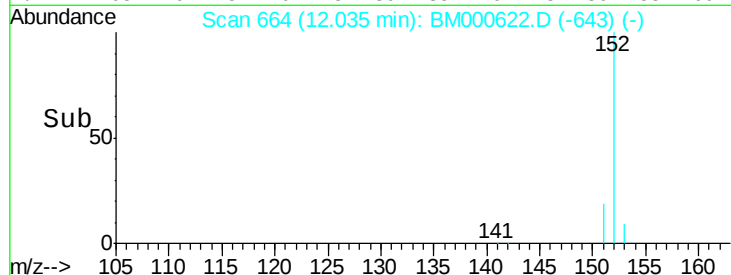
30

20

10

0

Time--> 12.00 12.05 12.10



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

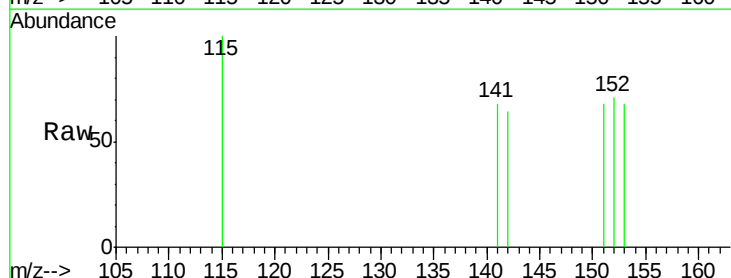
Tgt Ion:152 Resp: 13

Ion Ratio Lower Upper

152 100

151 96.2 17.0 25.6#

153 96.2 9.9 14.9#



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

14.04

60

50

40

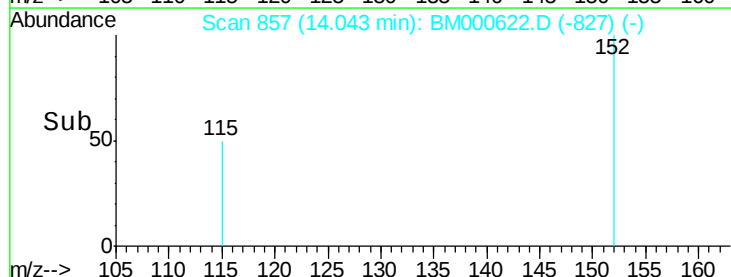
30

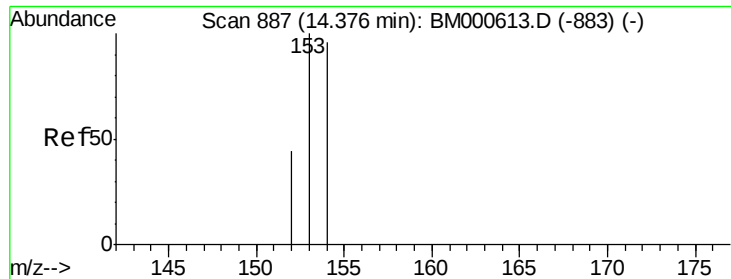
20

10

0

Time--> 14.00 14.10





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. 0.00 min

Lab File: BM000622.D

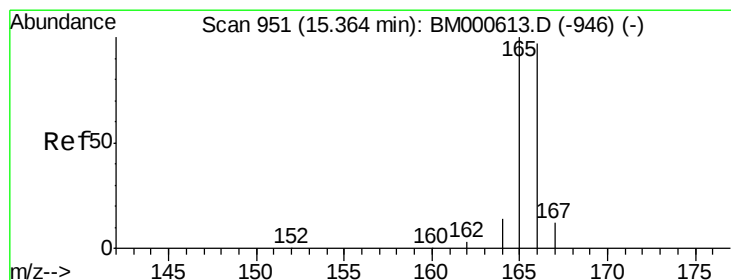
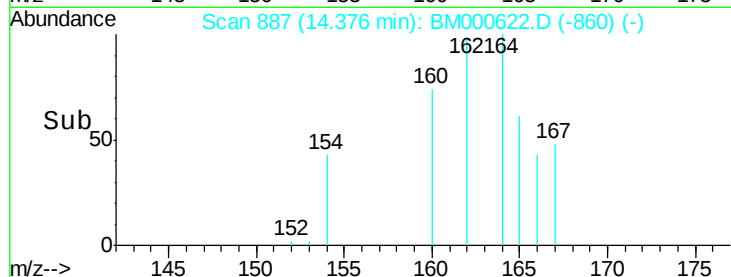
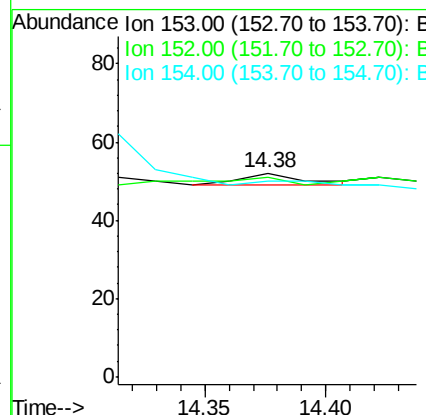
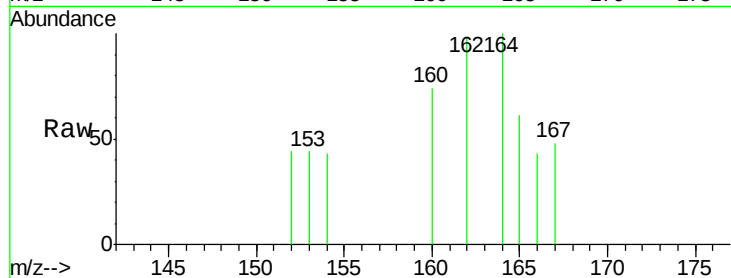
Acq: 28 Feb 2015 00:27

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	153	Resp:	6
Ion	Ratio	Lower	Upper
153	100		
152	98.1	35.9	53.9#
154	96.2	76.9	115.3



#11

Fluorene

Concen: 0.00 ng/ul

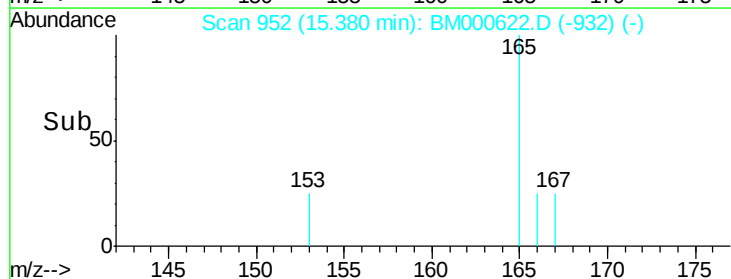
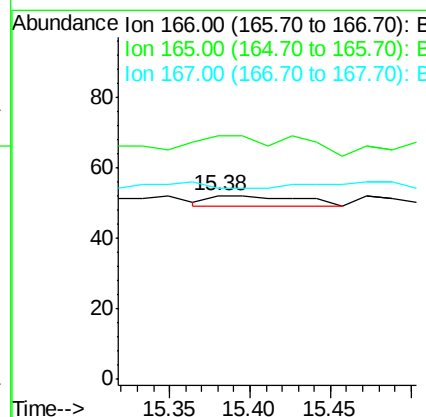
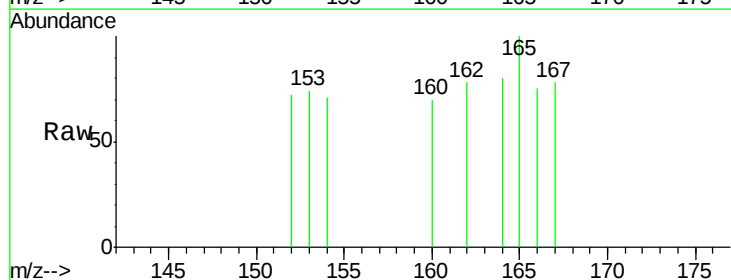
RT: 15.38 min Scan# 952

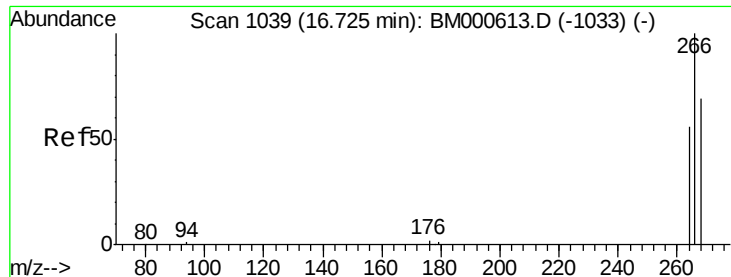
Delta R.T. 0.02 min

Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

Tgt Ion:	166	Resp:	11
Ion	Ratio	Lower	Upper
166	100		
165	132.7	82.5	123.7#
167	103.8	10.6	16.0#

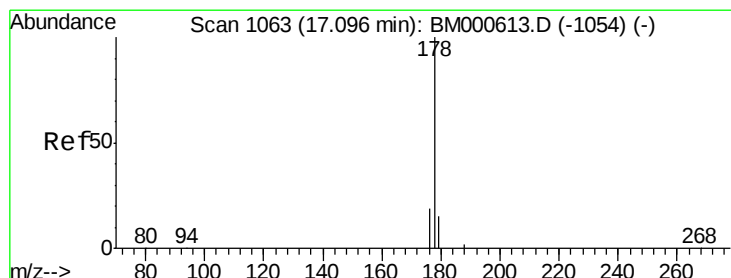
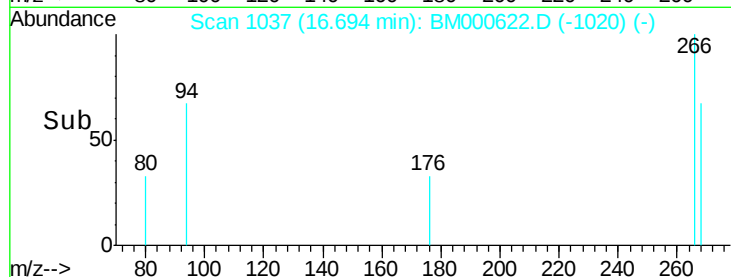
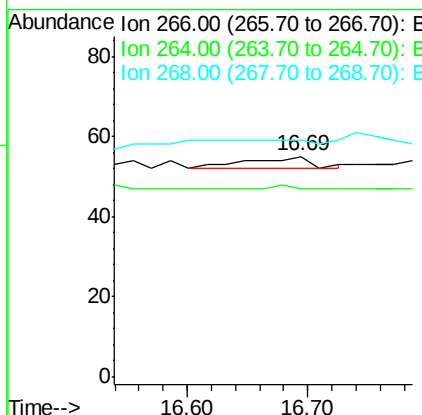
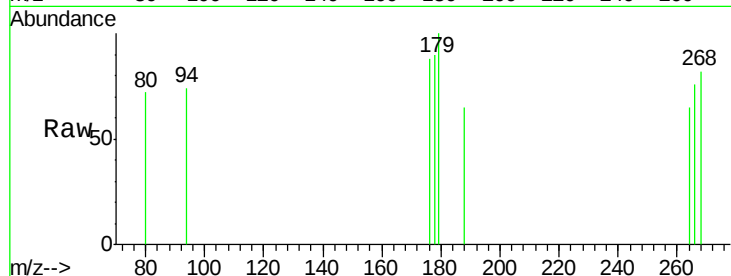




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.69 min Scan# 1037
 Delta R.T. -0.03 min
 Lab File: BM000622.D
 Acq: 28 Feb 2015 00:27

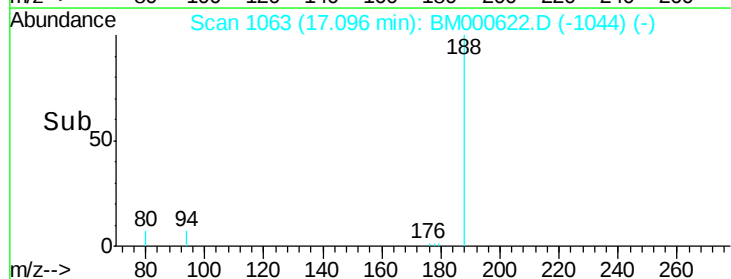
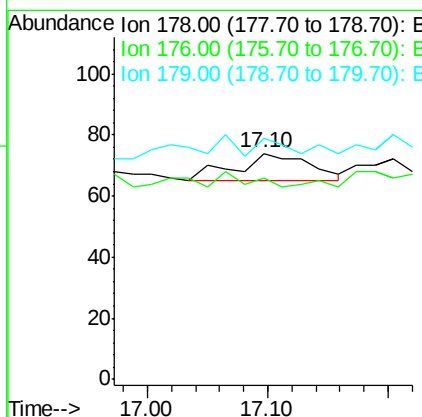
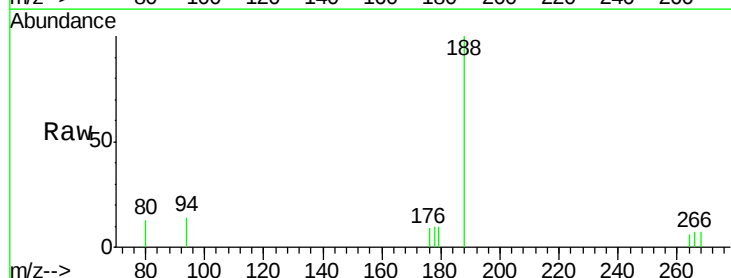
Instrument :
 BNA_M
 ClientSampleId :

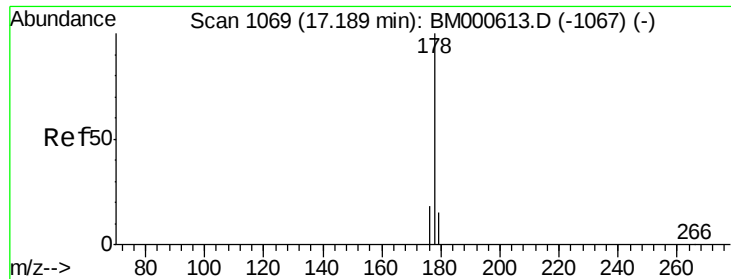
Tgt Ion: 266 Resp: 11
 Ion Ratio Lower Upper
 266 100
 264 9.1 51.0 76.6#
 268 0.0 54.9 82.3#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000622.D
 Acq: 28 Feb 2015 00:27

Tgt Ion: 178 Resp: 38
 Ion Ratio Lower Upper
 178 100
 176 89.2 15.3 22.9#
 179 106.8 12.2 18.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.20 min Scan# 1070

Delta R.T. 0.02 min

Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

Instrument :

BNA_M

ClientSampleId :

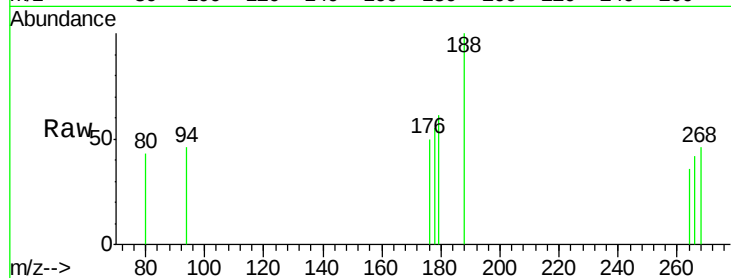
Tgt Ion:178 Resp: 19

Ion Ratio Lower Upper

178 100

176 91.7 14.6 22.0#

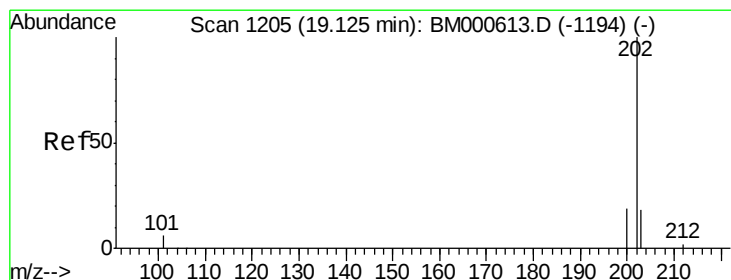
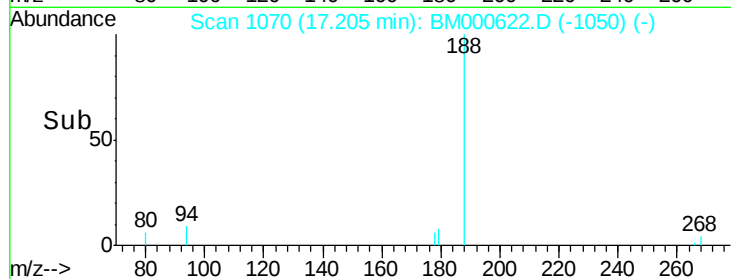
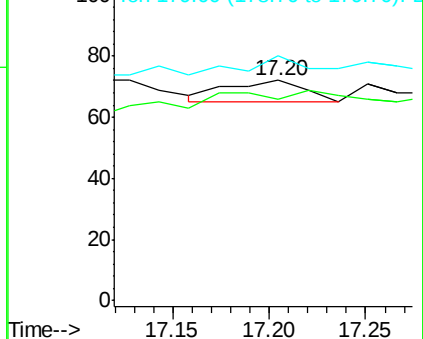
179 111.1 12.9 19.3#



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: 0.00 ng/ul

RT: 19.12 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

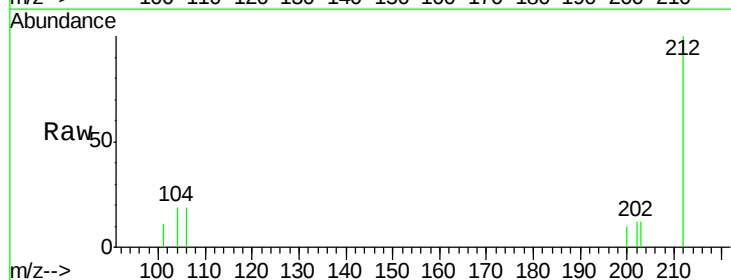
Tgt Ion:202 Resp: 31

Ion Ratio Lower Upper

202 100

101 93.2 0.0 26.2#

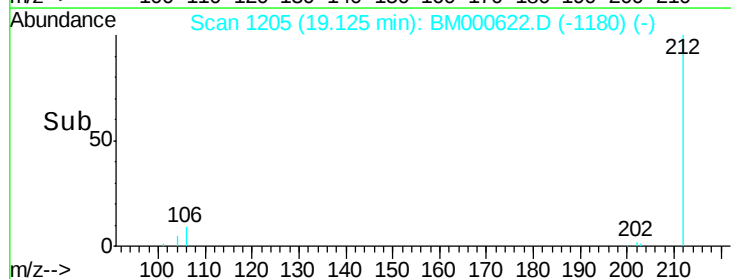
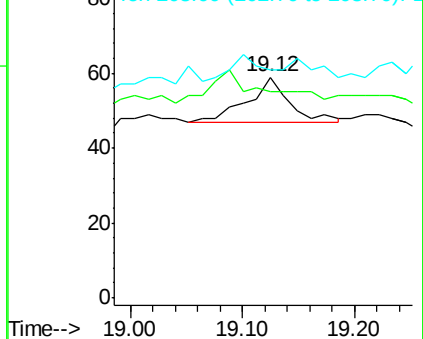
203 103.4 0.0 38.3#

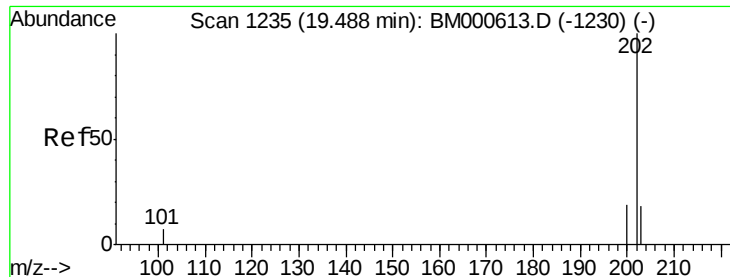


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.00 ng/ul

RT: 19.50 min Scan# 1236

Delta R.T. 0.01 min

Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

Instrument :

BNA_M

ClientSampleId :

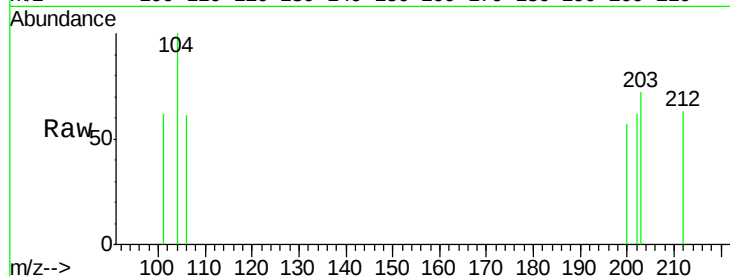
Tgt Ion:202 Resp: 25

Ion Ratio Lower Upper

202 100

200 91.2 15.7 23.5#

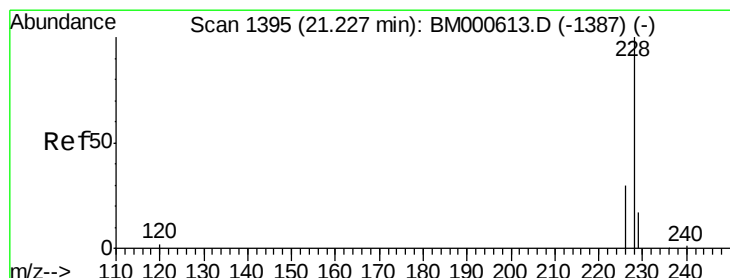
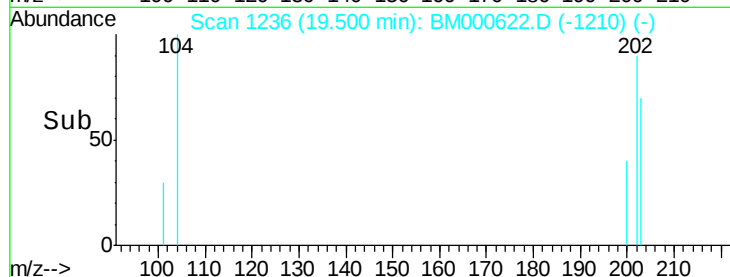
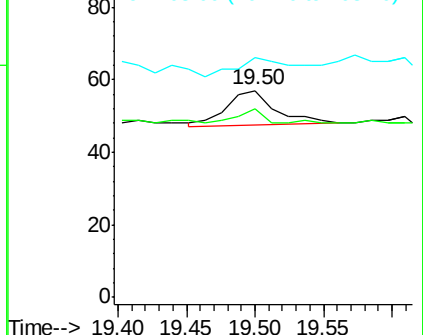
203 115.8 14.8 22.2#



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: 0.00 ng/ul

RT: 21.25 min Scan# 1397

Delta R.T. 0.02 min

Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

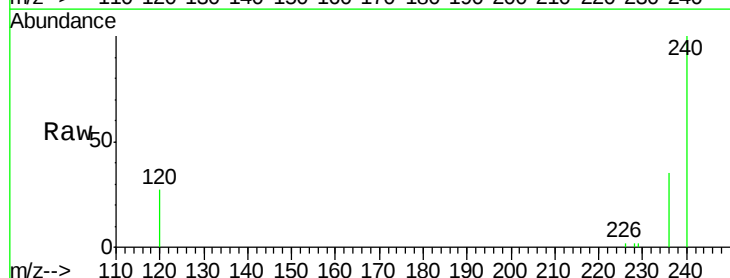
Tgt Ion:228 Resp: 54

Ion Ratio Lower Upper

228 100

226 72.6 24.1 36.1#

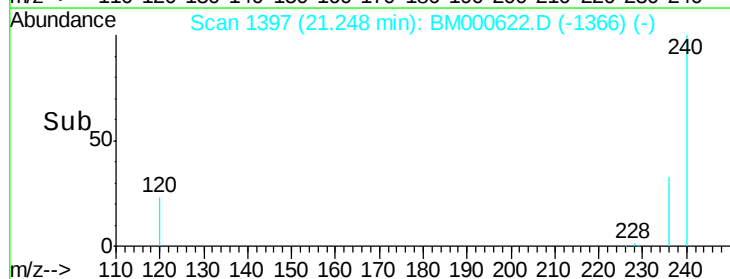
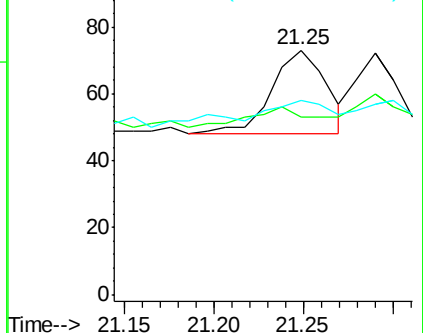
229 79.5 14.2 21.4#

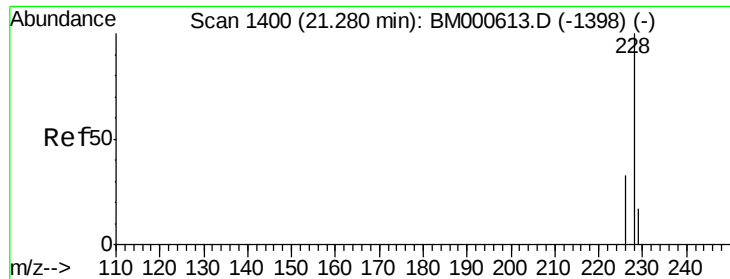


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

Instrument :

BNA_M

ClientSampleId :

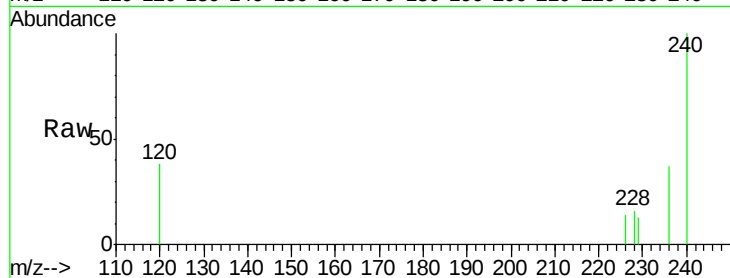
Tgt Ion:228 Resp: 43

Ion Ratio Lower Upper

228 100

226 83.3 26.5 39.7#

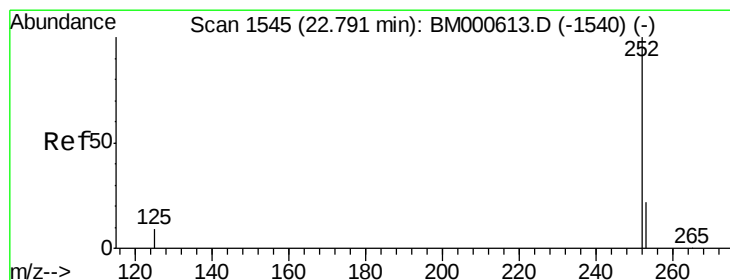
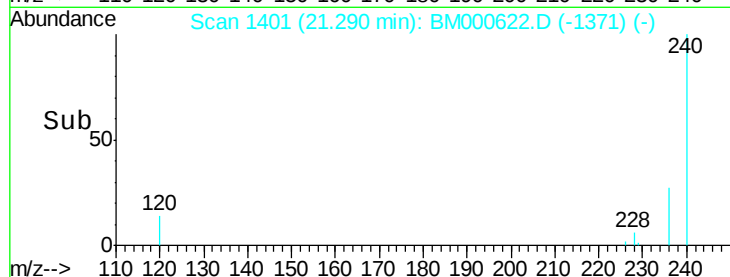
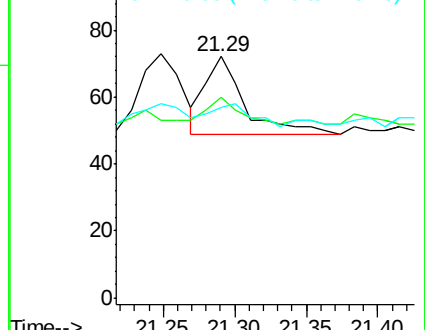
229 79.2 14.3 21.5#



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: 0.03 ng/ul

RT: 22.64 min Scan# 1531

Delta R.T. -0.15 min

Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

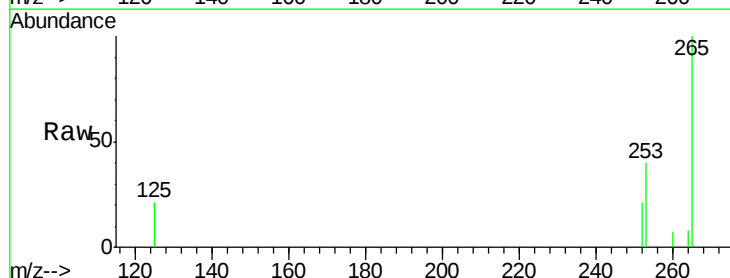
Tgt Ion:252 Resp: 655

Ion Ratio Lower Upper

252 100

253 188.5 0.0 51.2#

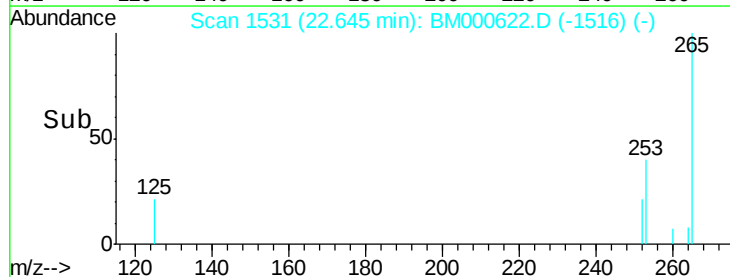
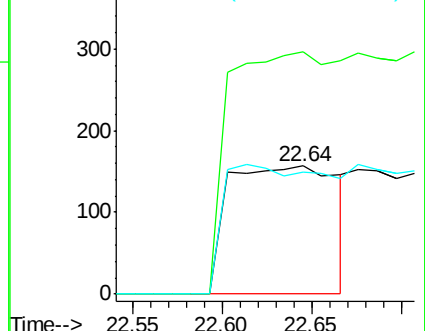
125 95.5 0.0 22.8#

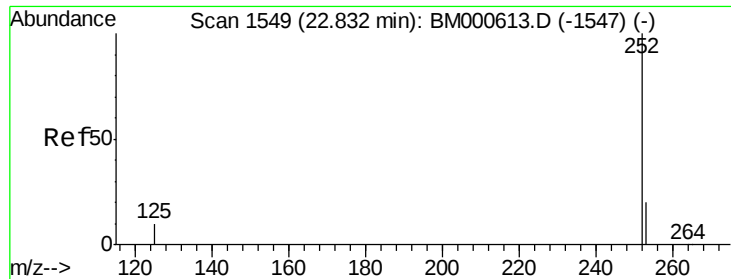


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.03 ng/u1

RT: 22.64 min Scan# 1531

Delta R.T. -0.19 min

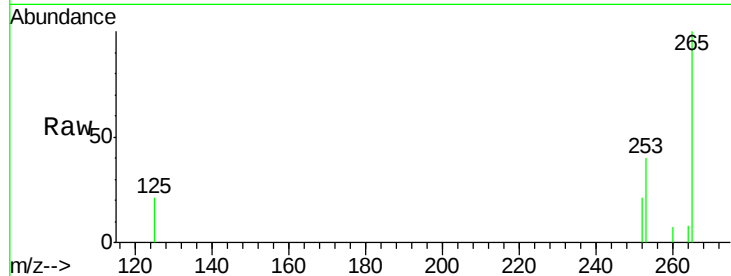
Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

Instrument :

BNA_M

ClientSampleId :



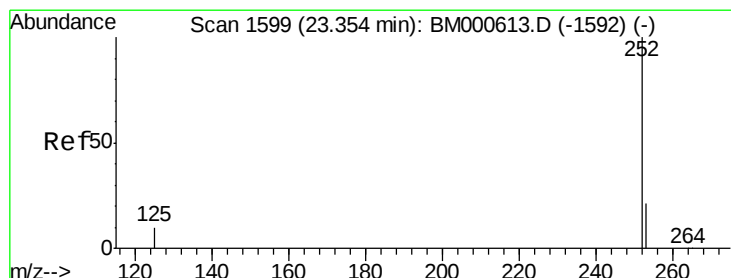
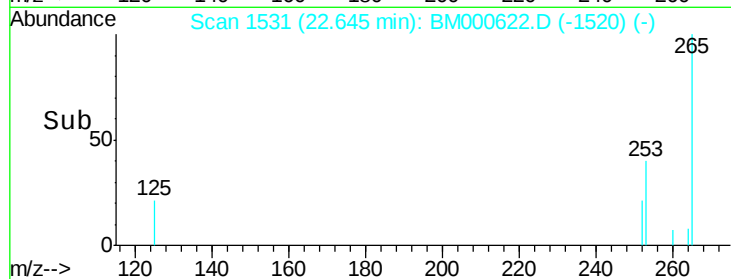
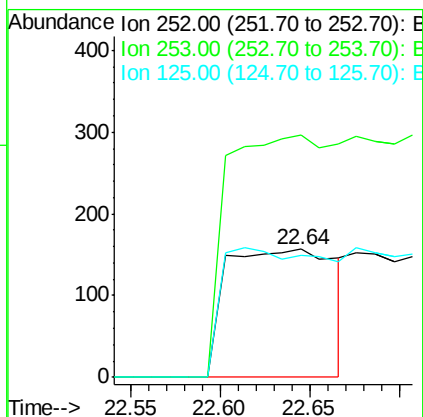
Tgt Ion:252 Resp: 655

Ion Ratio Lower Upper

252 100

253 188.5 20.2 30.2#

125 95.5 9.6 14.4#



#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.36 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

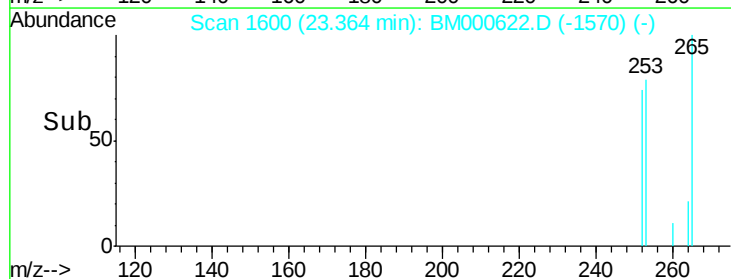
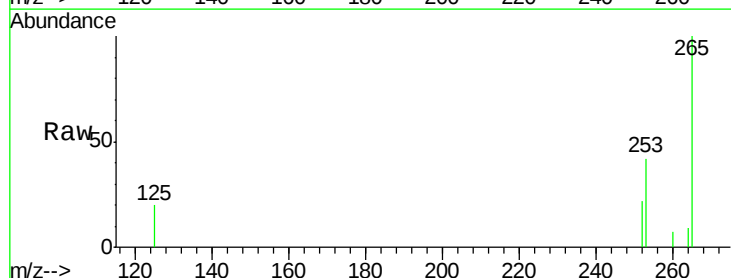
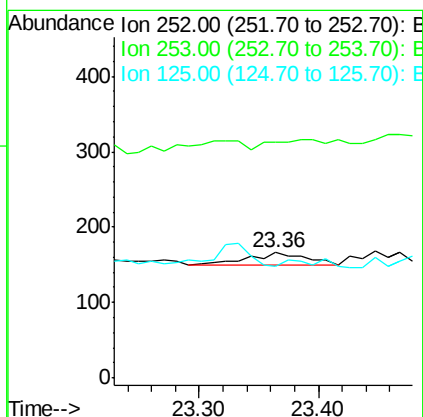
Tgt Ion:252 Resp: 54

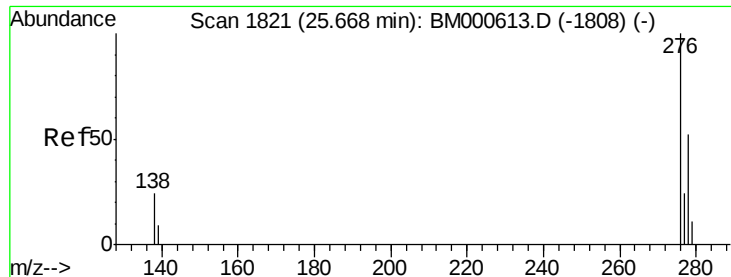
Ion Ratio Lower Upper

252 100

253 188.6 21.3 31.9#

125 89.2 10.6 15.8#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.71 min Scan# 1825

Delta R.T. 0.04 min

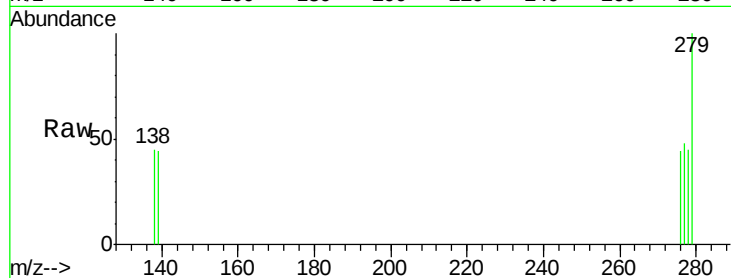
Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

Instrument :

BNA_M

ClientSampleId :



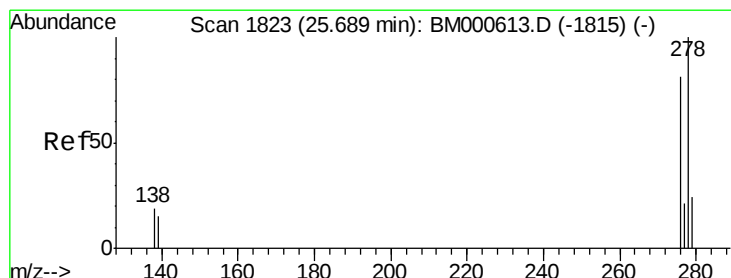
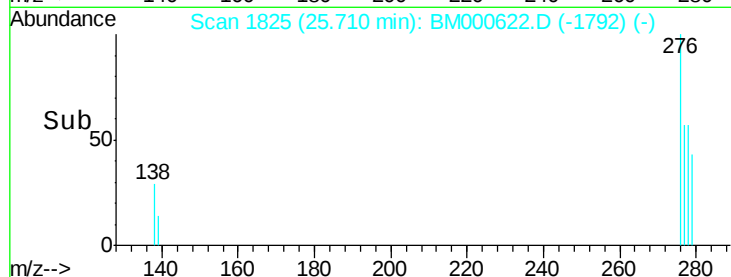
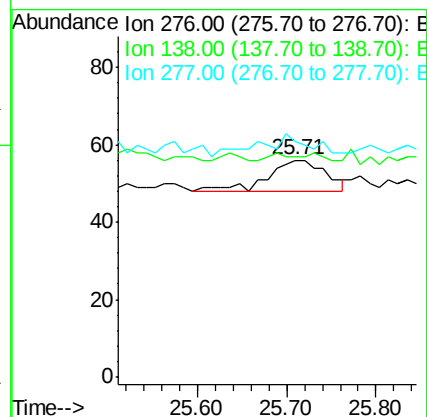
Tgt Ion:276 Resp: 37

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

277 64.9 19.9 29.9#



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.75 min Scan# 1829

Delta R.T. 0.06 min

Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

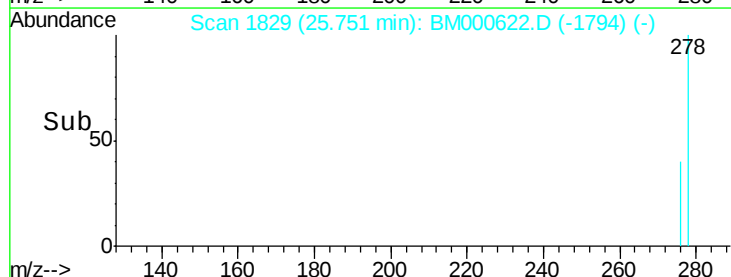
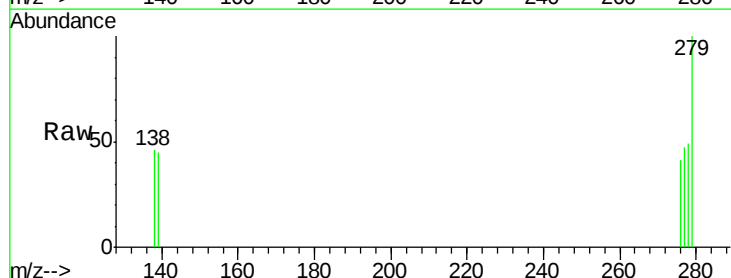
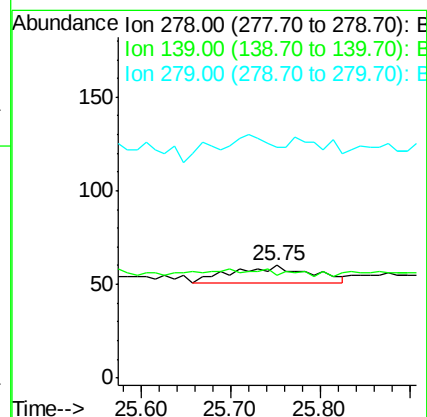
Tgt Ion:278 Resp: 53

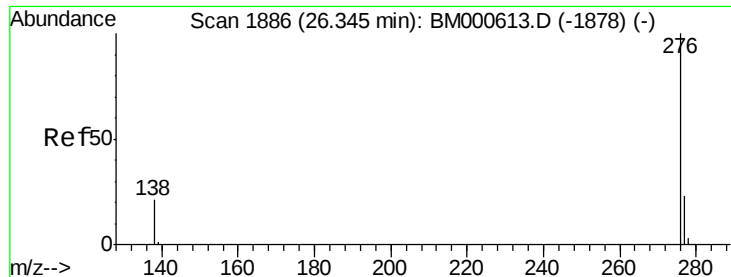
Ion Ratio Lower Upper

278 100

139 91.7 13.3 19.9#

279 205.0 21.9 32.9#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.37 min Scan# 1888

Delta R.T. 0.02 min

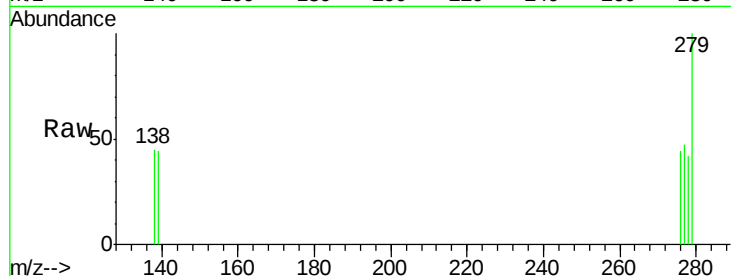
Lab File: BM000622.D

Acq: 28 Feb 2015 00:27

Instrument :

BNA_M

ClientSampleId :



Tgt Ion: 276 Resp: 44

Ion Ratio Lower Upper

276 100

277 107.0 19.8 29.8#

138 101.8 17.8 26.6#

