

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022715\
 Data File : BM000626.D
 Acq On : 28 Feb 2015 03:59
 Operator : TP/IZ
 Sample : MDL-01-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 28 05:05:03 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	3028	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	10187	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	5318	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	10727	0.40	ng/ul	0.00
18) Chrysene-d12	21.26	240	7464	0.40	ng/ul	0.01
22) Perylene-d12	23.46	264	6330	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	40	0.02	ng/uL	0.03
6) 2-Methylnaphthalene-d10	12.06	152	4959	0.40	ng/ul	0.01
16) Fluoranthene-d10	19.10	212	8294	0.42	ng/ul	0.01

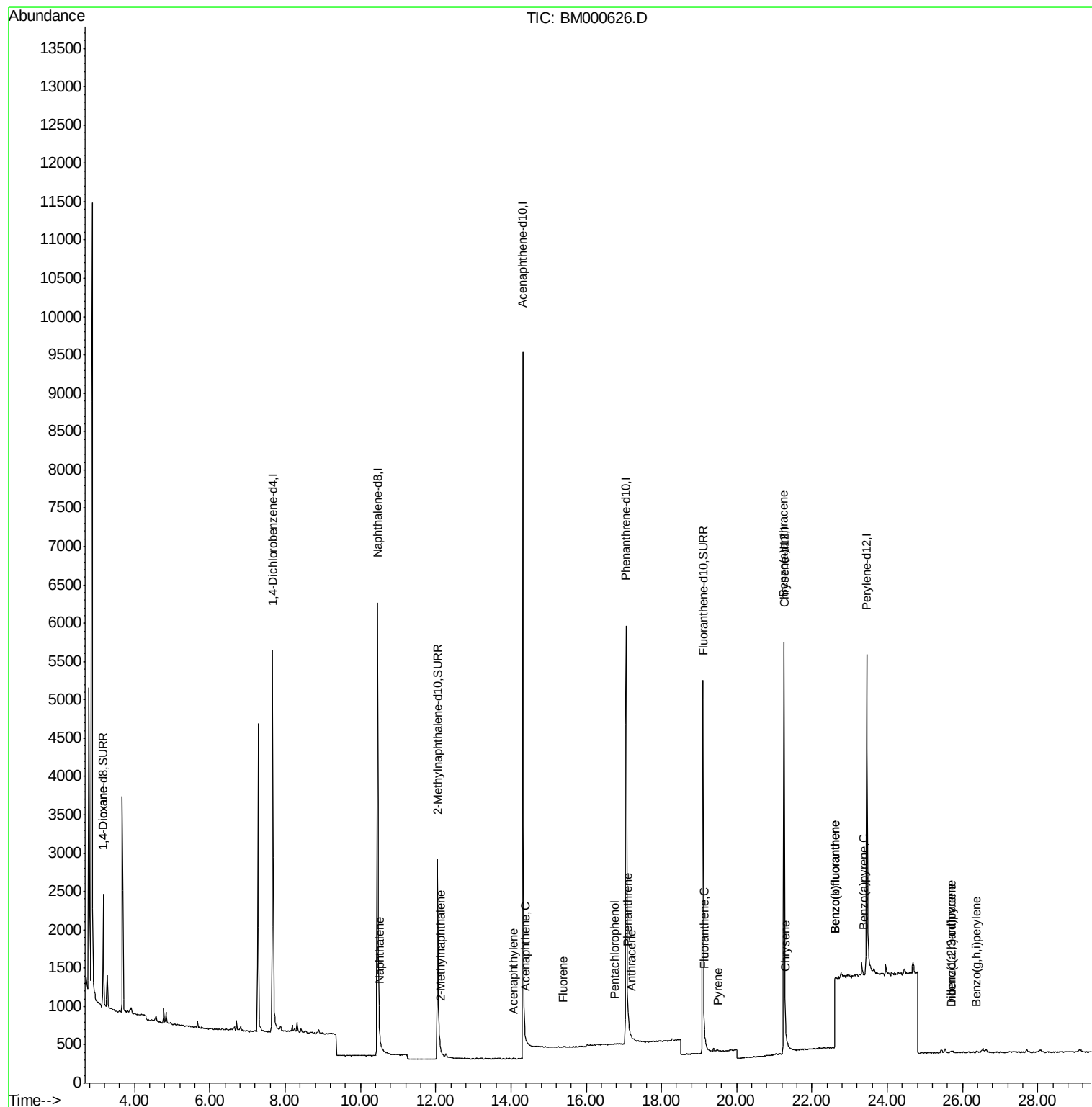
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.17	88	2009	0.64	ng/ul#	54
5) Naphthalene	10.50	128	19	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.12	142	7	0.00	ng/ul#	27
9) Acenaphthylene	14.05	152	17	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	9	0.00	ng/ul#	75
11) Fluorene	15.38	166	8	0.00	ng/ul#	57
13) Pentachlorophenol	16.76	266	17	0.01	ng/ul#	76
14) Phenanthrene	17.10	178	19	0.00	ng/ul#	1
15) Anthracene	17.19	178	14	0.00	ng/ul#	1
17) Fluoranthene	19.12	202	41	0.00	ng/ul#	1
19) Pyrene	19.50	202	28	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.25	228	60	0.00	ng/ul#	7
21) Chrysene	21.29	228	49	0.00	ng/ul#	3
23) Benzo(b)fluoranthene	22.61	252	548	0.03	ng/ul#	1
24) Benzo(k)fluoranthene	22.61	252	548	0.03	ng/ul#	1
25) Benzo(a)pyrene	23.36	252	53	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.71	276	49	0.00	ng/ul#	59
27) Dibenzo(a,h)anthracene	25.71	278	34	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.37	276	49	0.00	ng/ul#	1

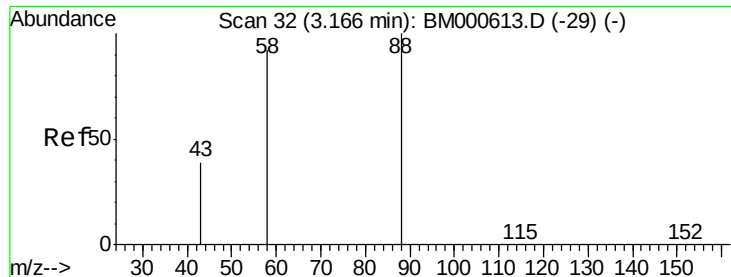
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.64 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000626.D

Acq: 28 Feb 2015 03:59

Instrument :

BNA_M

ClientSampleId :

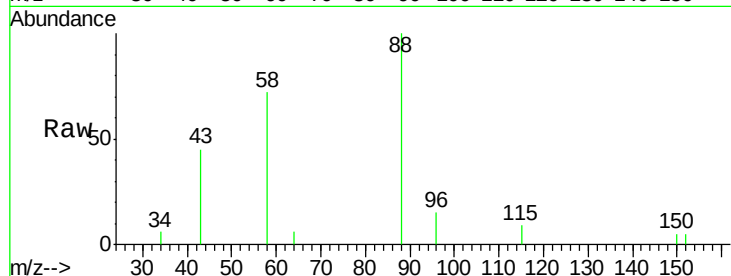
Tgt Ion: 88 Resp: 2009

Ion Ratio Lower Upper

88 100

58 43.9 62.7 94.1#

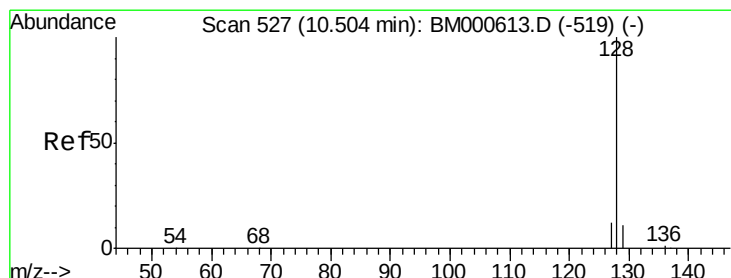
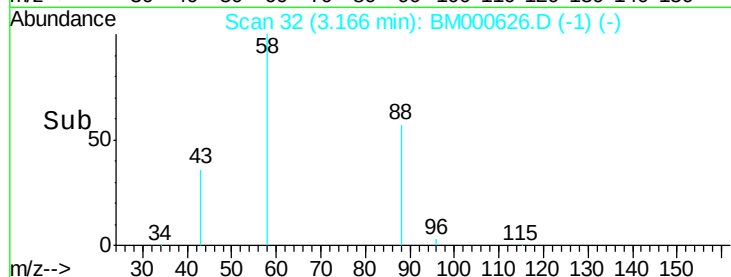
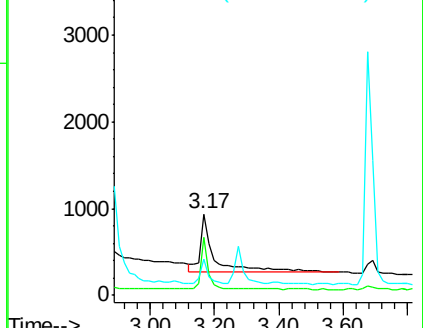
43 0.0 28.8 43.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000613.D (-29) (-)

Ion 58.00 (57.70 to 58.70): BM000613.D (-29) (-)

Ion 43.00 (42.70 to 43.70): BM000613.D (-29) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.00 min

Lab File: BM000626.D

Acq: 28 Feb 2015 03:59

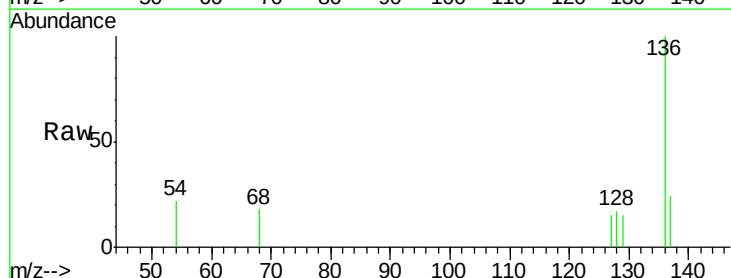
Tgt Ion: 128 Resp: 19

Ion Ratio Lower Upper

128 100

129 86.4 9.4 14.0#

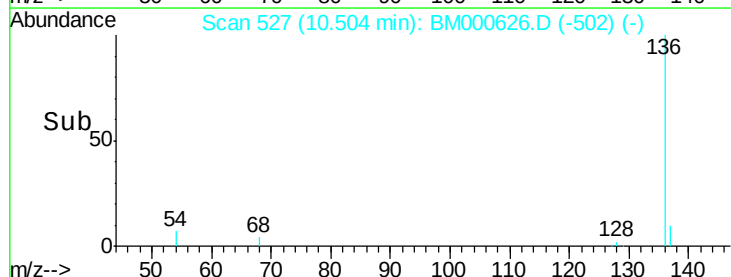
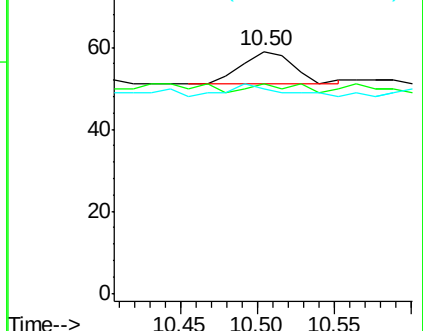
127 84.7 10.0 15.0#

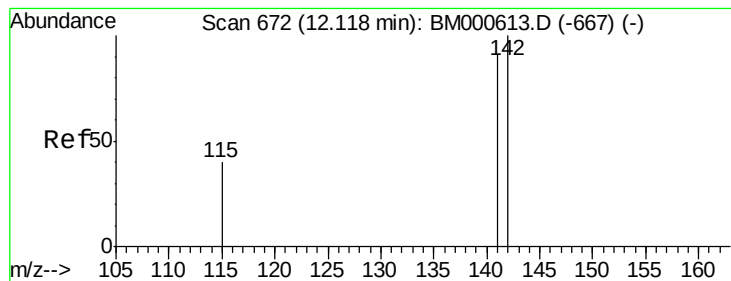


Abundance Ion 128.00 (127.70 to 128.70): BM000613.D (-519) (-)

Ion 129.00 (128.70 to 129.70): BM000613.D (-519) (-)

Ion 127.00 (126.70 to 127.70): BM000613.D (-519) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.12 min Scan# 672

Delta R.T. 0.00 min

Lab File: BM000626.D

Acq: 28 Feb 2015 03:59

Instrument :

BNA_M

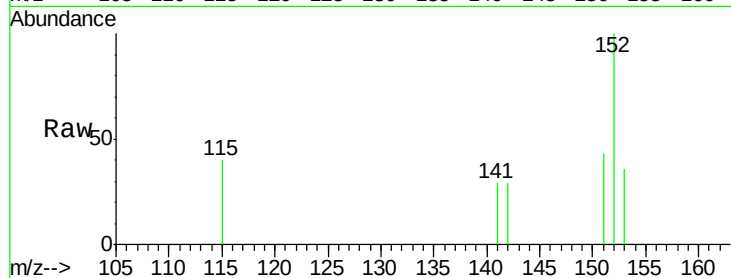
ClientSampleId :

Tgt Ion:142 Resp: 7

Ion Ratio Lower Upper

142 100

141 157.1 71.2 106.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.12

60

50

40

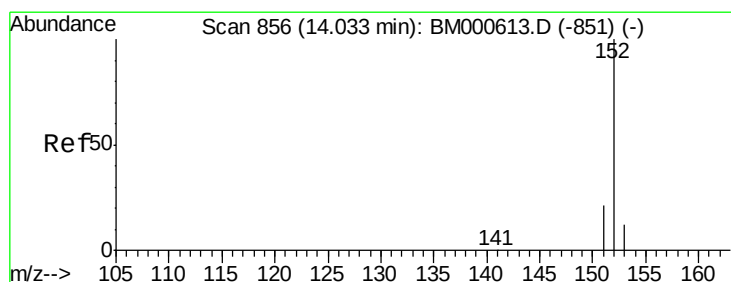
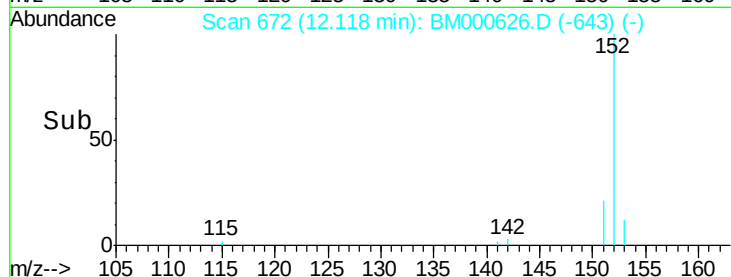
30

20

10

0

Time--> 12.05 12.10 12.15



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.05 min Scan# 858

Delta R.T. 0.02 min

Lab File: BM000626.D

Acq: 28 Feb 2015 03:59

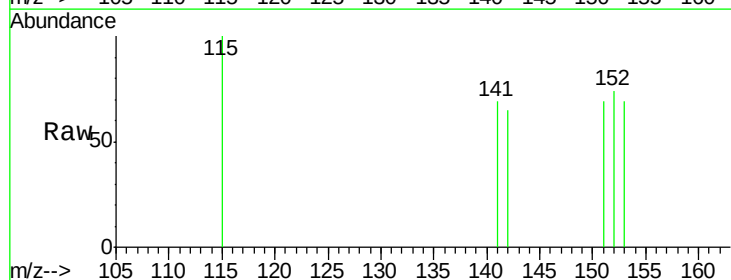
Tgt Ion:152 Resp: 17

Ion Ratio Lower Upper

152 100

151 94.3 17.0 25.6#

153 94.3 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

14.05

60

50

40

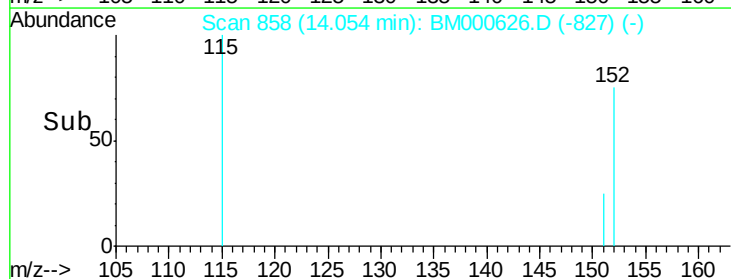
30

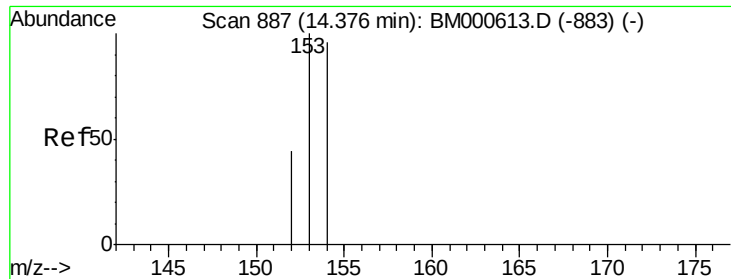
20

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: BM000626.D

Acq: 28 Feb 2015 03:59

Instrument :

BNA_M

ClientSampleId :

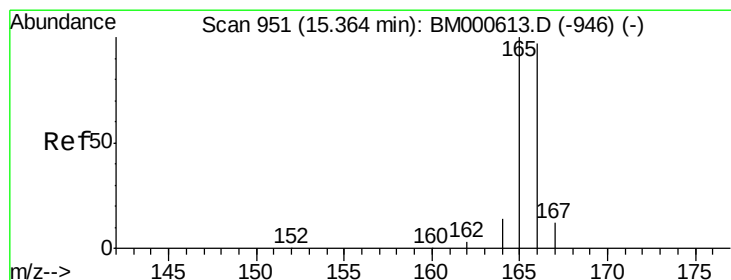
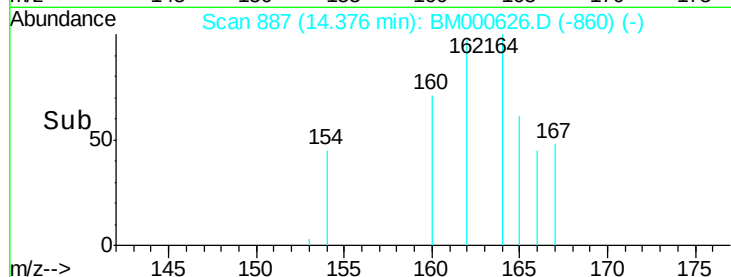
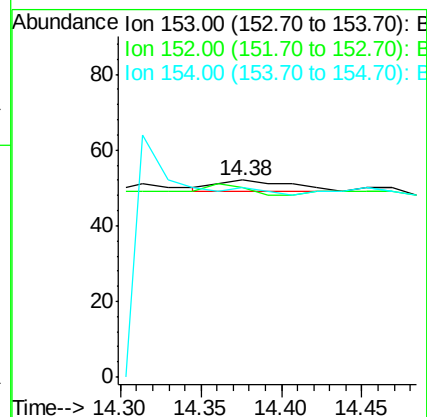
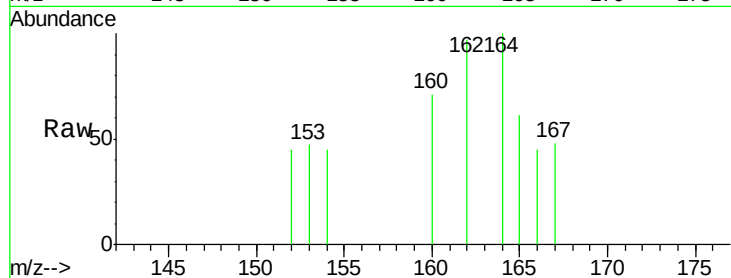
Tgt Ion:153 Resp: 9

Ion Ratio Lower Upper

153 100

152 96.2 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: BM000626.D

Acq: 28 Feb 2015 03:59

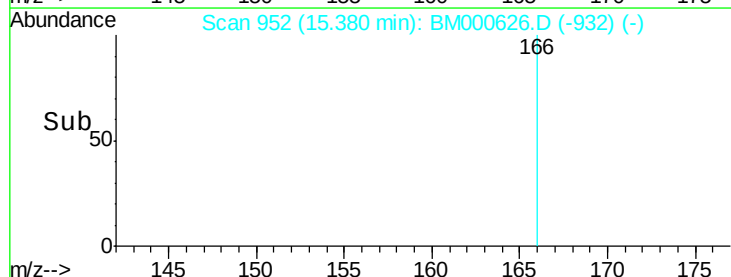
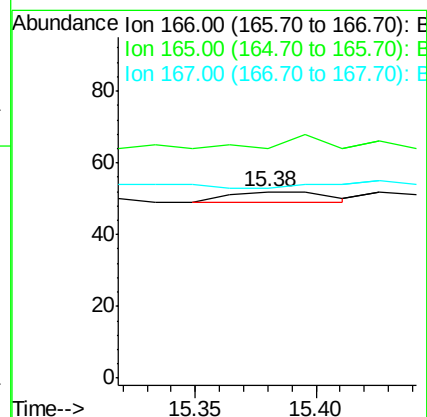
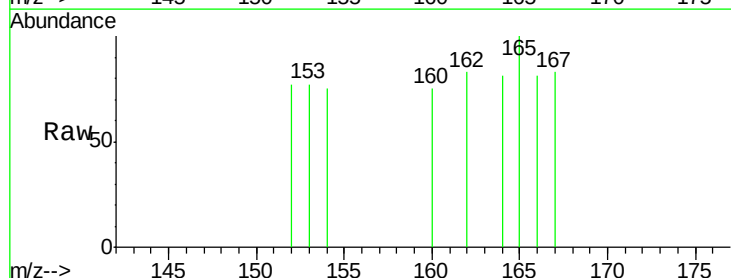
Tgt Ion:166 Resp: 8

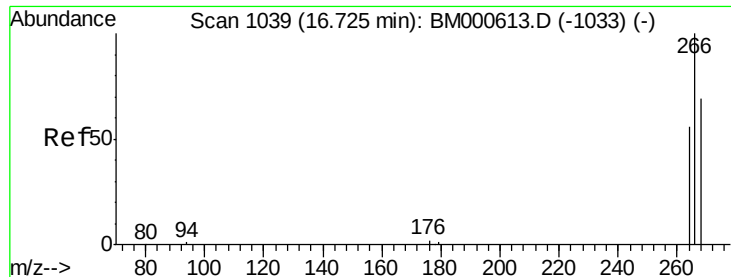
Ion Ratio Lower Upper

166 100

165 123.1 82.5 123.7

167 101.9 10.6 16.0#

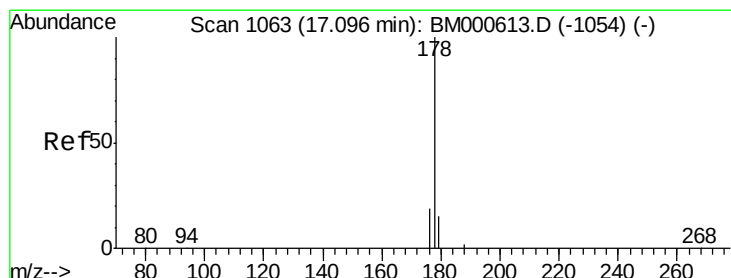
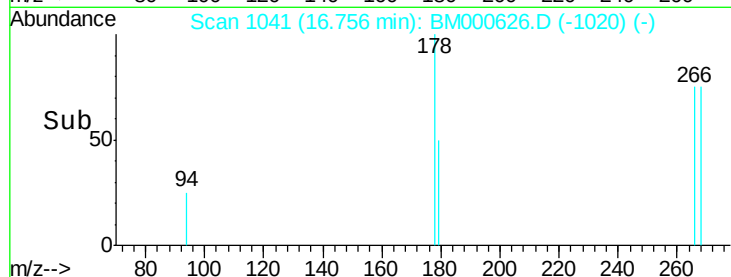
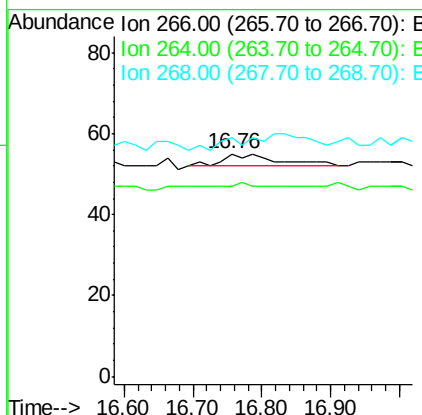
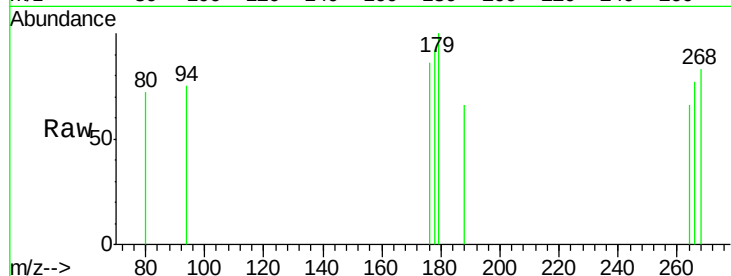




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.76 min Scan# 1041
 Delta R.T. 0.03 min
 Lab File: BM000626.D
 Acq: 28 Feb 2015 03:59

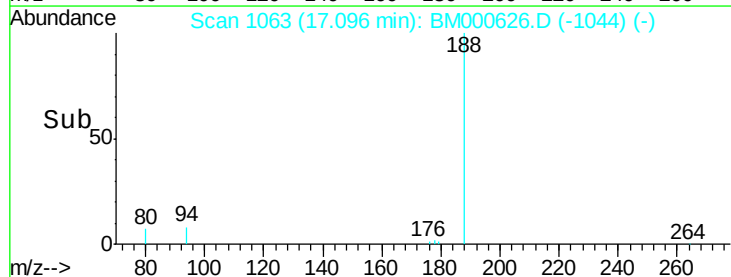
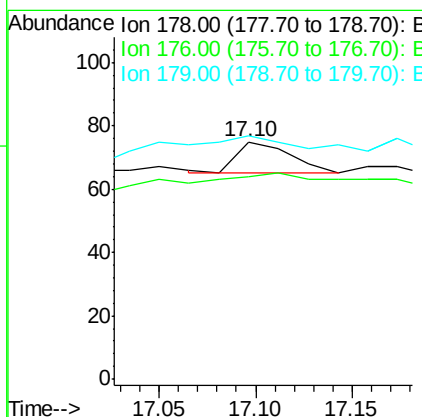
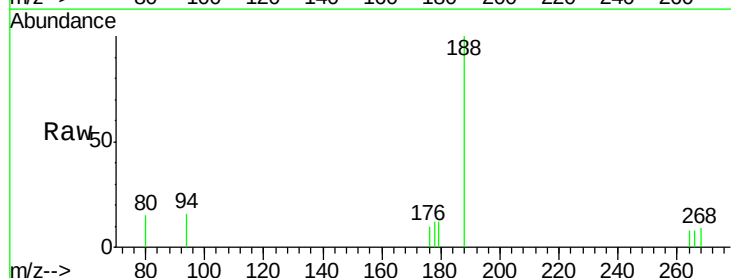
Instrument :
 BNA_M
 ClientSampleId :

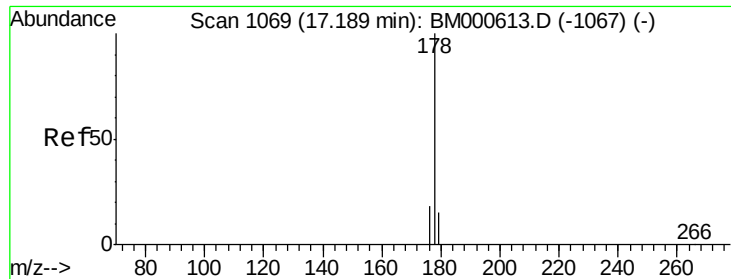
Tgt Ion: 266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 264 58.8 51.0 76.6
 268 35.3 54.9 82.3#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000626.D
 Acq: 28 Feb 2015 03:59

Tgt Ion: 178 Resp: 19
 Ion Ratio Lower Upper
 178 100
 176 85.3 15.3 22.9#
 179 102.7 12.2 18.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BM000626.D

Acq: 28 Feb 2015 03:59

Instrument :

BNA_M

ClientSampleId :

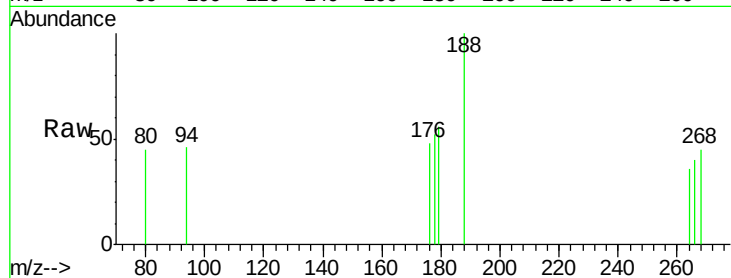
Tgt Ion:178 Resp: 14

Ion Ratio Lower Upper

178 100

176 92.6 14.6 22.0#

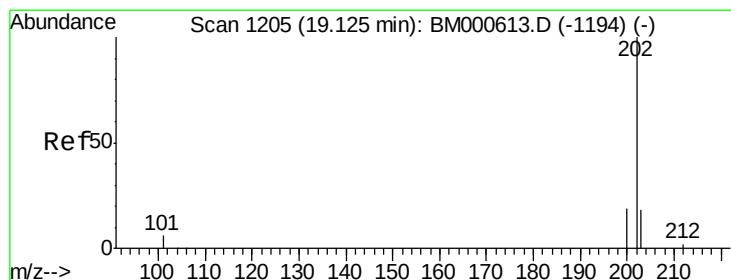
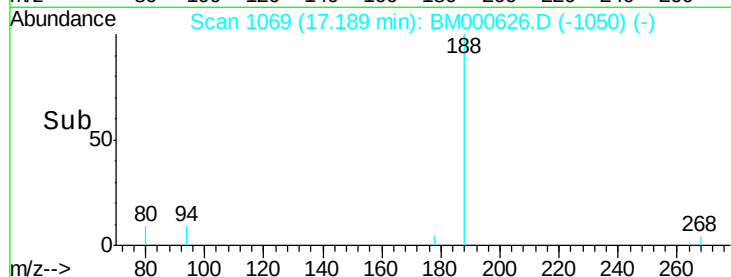
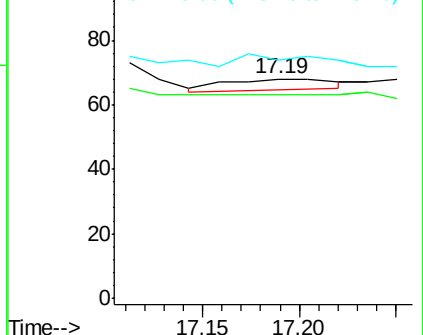
179 108.8 12.9 19.3#



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: BM000626.D

Acq: 28 Feb 2015 03:59

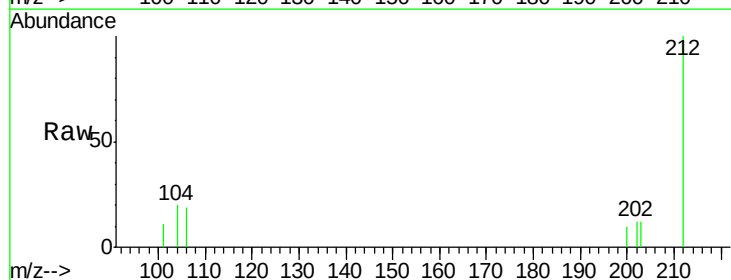
Tgt Ion:202 Resp: 41

Ion Ratio Lower Upper

202 100

101 90.2 0.0 26.2#

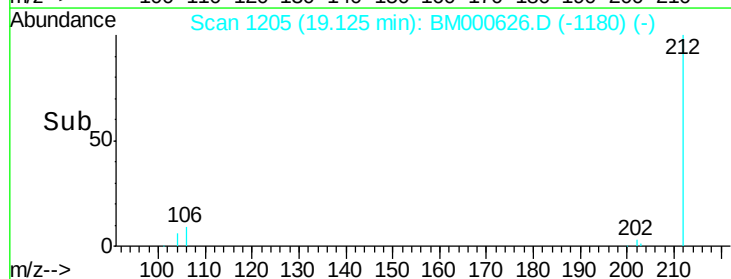
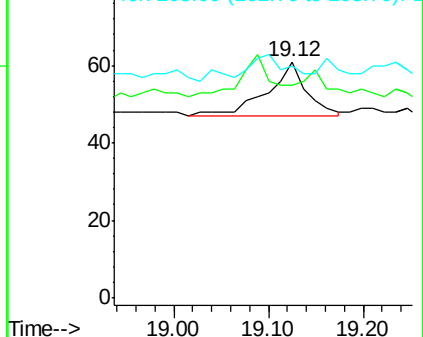
203 98.4 0.0 38.3#

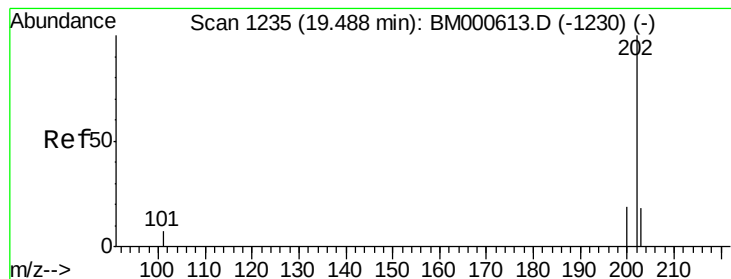


Abundance Ion 202.00 (201.70 to 202.70): E

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

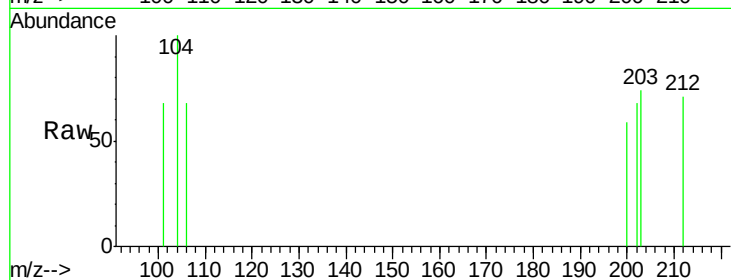
Lab File: BM000626.D

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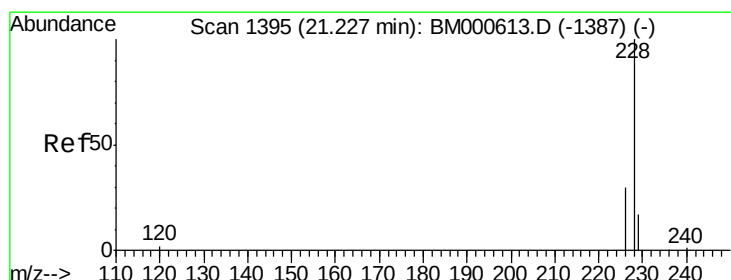
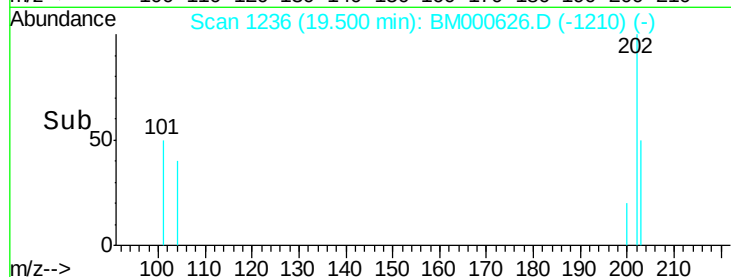
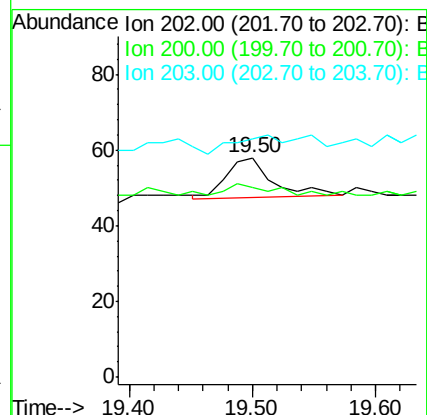
Tgt Ion: 202 Resp: 28

Ion Ratio Lower Upper

202 100

200 86.2 15.7 23.5#

203 108.6 14.8 22.2#



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.25 min Scan# 1397

Delta R.T. 0.02 min

Lab File: BM000626.D

Acq: 28 Feb 2015 03:59

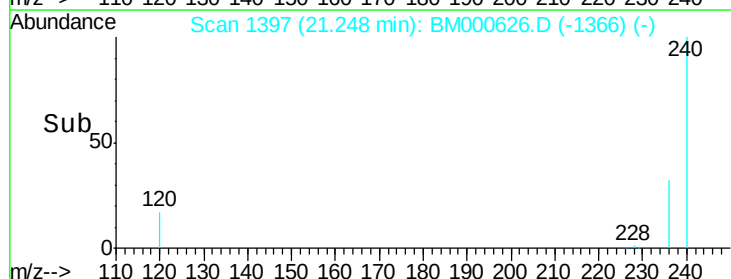
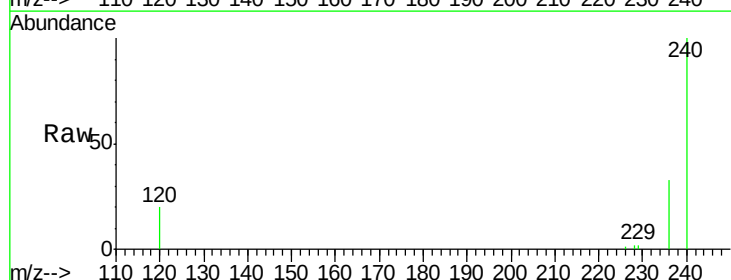
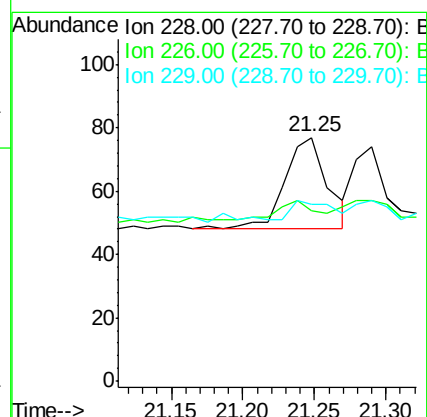
Tgt Ion: 228 Resp: 60

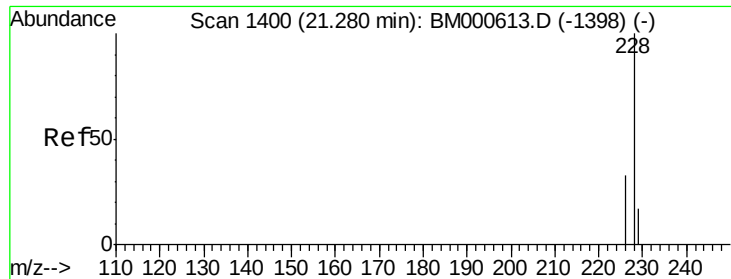
Ion Ratio Lower Upper

228 100

226 70.1 24.1 36.1#

229 72.7 14.2 21.4#





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BM000626.D

Acq: 28 Feb 2015 03:59

Instrument :

BNA_M

ClientSampleId :

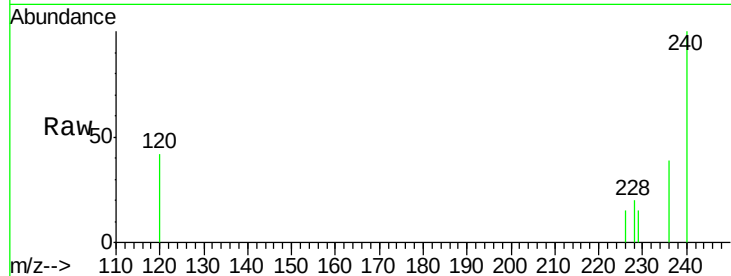
Tgt Ion:228 Resp: 49

Ion Ratio Lower Upper

228 100

226 77.0 26.5 39.7#

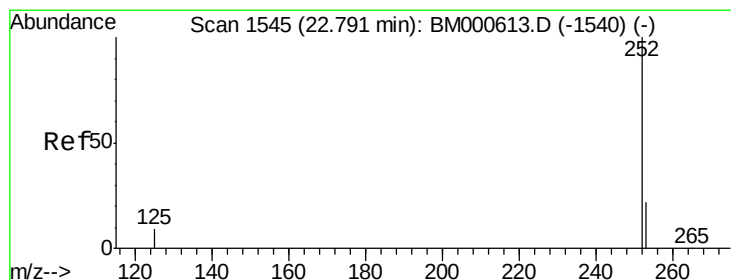
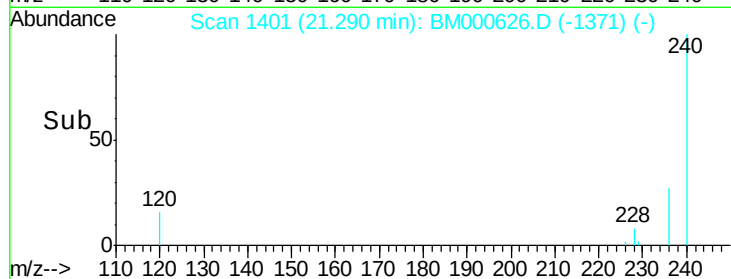
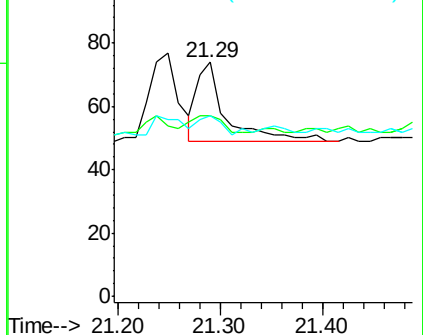
229 77.0 14.3 21.5#



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: 22.61 min Scan# 1528

Delta R.T. -0.18 min

Lab File: BM000626.D

Acq: 28 Feb 2015 03:59

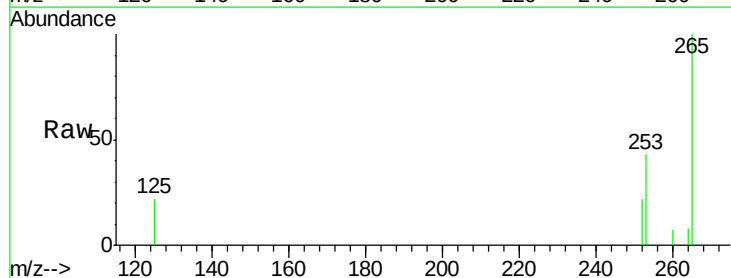
Tgt Ion:252 Resp: 548

Ion Ratio Lower Upper

252 100

253 193.9 0.0 51.2#

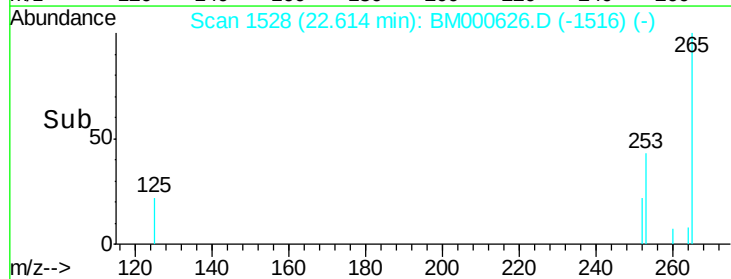
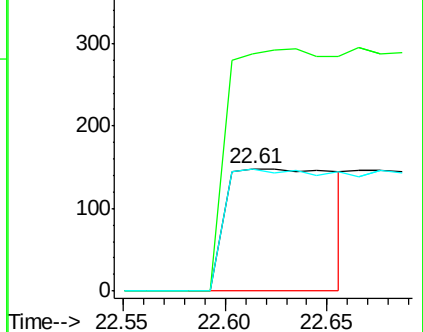
125 100.0 0.0 22.8#

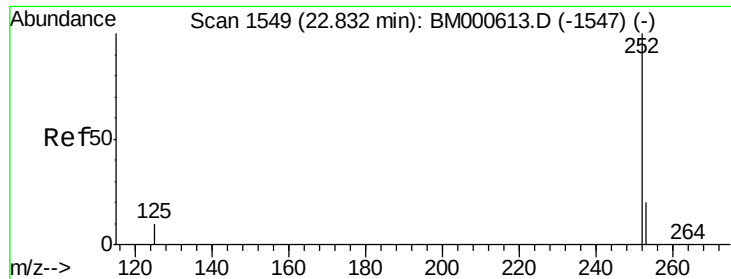


Abundance Ion 252.00 (251.70 to 252.70): E

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/ul

RT: 22.61 min Scan# 1528

Delta R.T. -0.22 min

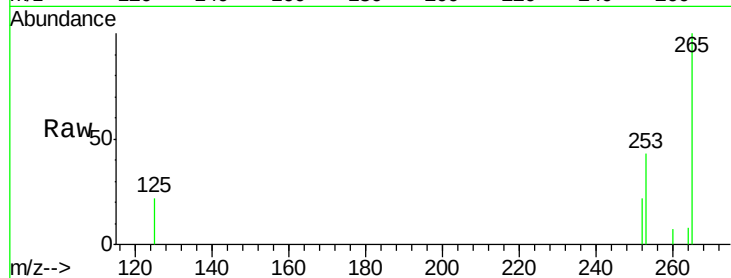
Lab File: BM000626.D

Acq: 28 Feb 2015 03:59

Instrument :

BNA_M

ClientSampleId :



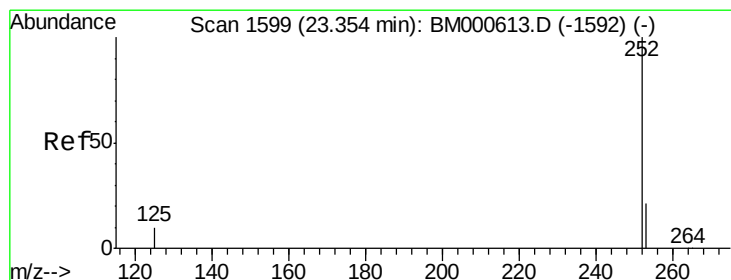
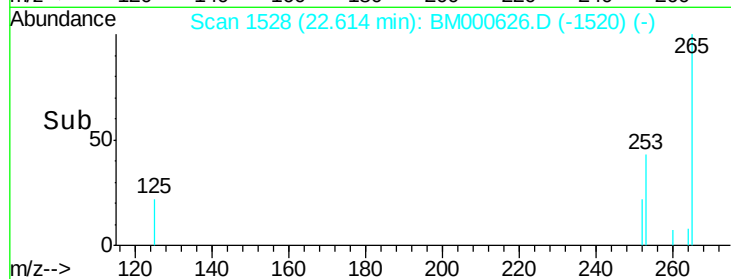
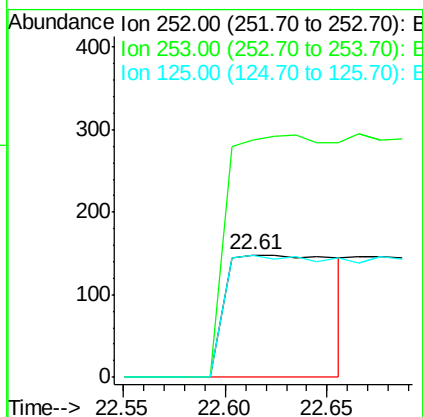
Tgt Ion: 252 Resp: 548

Ion Ratio Lower Upper

252 100

253 193.9 20.2 30.2#

125 100.0 9.6 14.4#



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.36 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BM000626.D

Acq: 28 Feb 2015 03:59

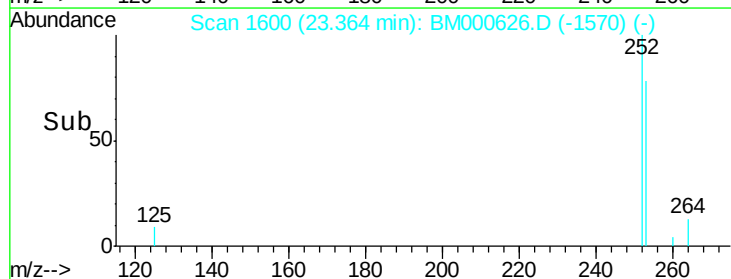
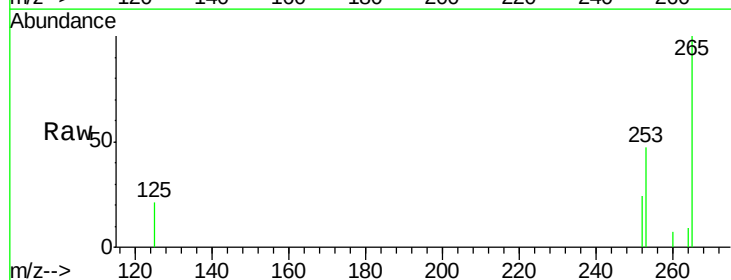
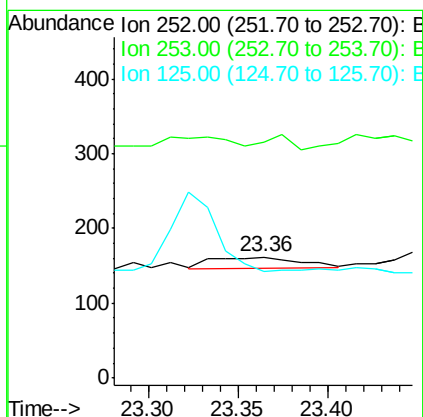
Tgt Ion: 252 Resp: 53

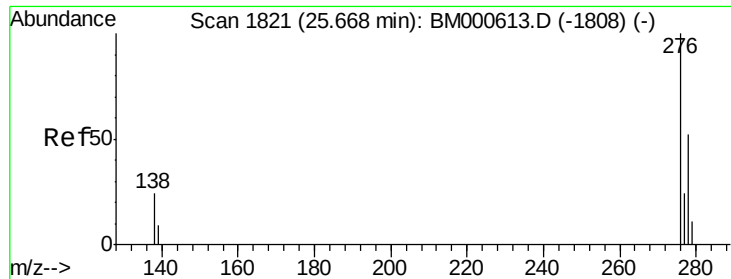
Ion Ratio Lower Upper

252 100

253 195.1 21.3 31.9#

125 87.7 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

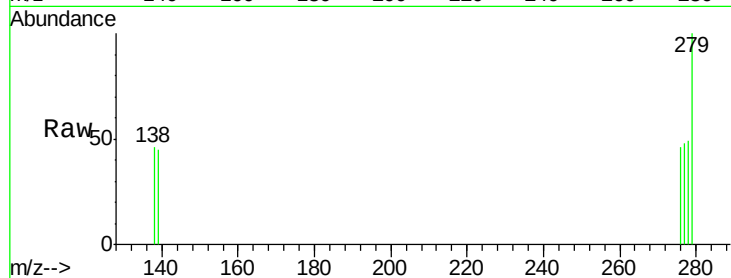
Lab File: BM000626.D

Acq: 28 Feb 2015 03:59

Instrument :

BNA_M

ClientSampleId :



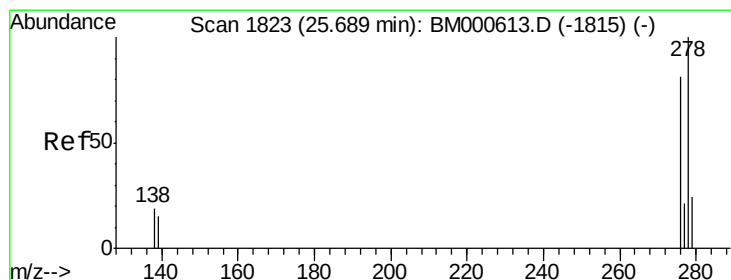
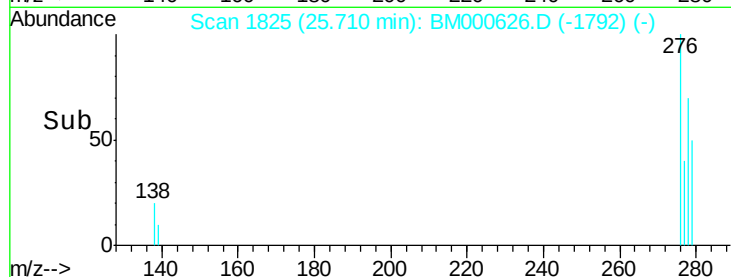
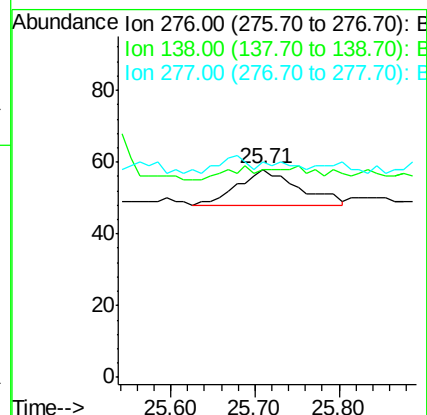
Tgt Ion: 276 Resp: 49

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

277 8.2 19.9 29.9#



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.71 min Scan# 1825

Delta R.T. 0.02 min

Lab File: BM000626.D

Acq: 28 Feb 2015 03:59

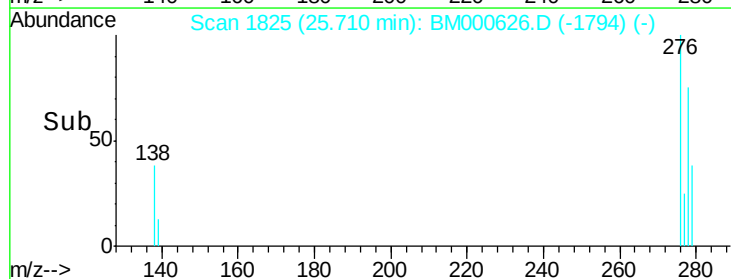
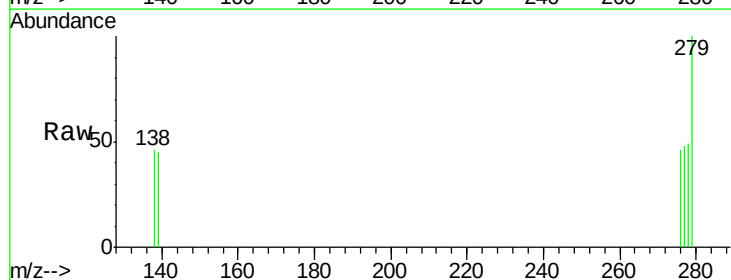
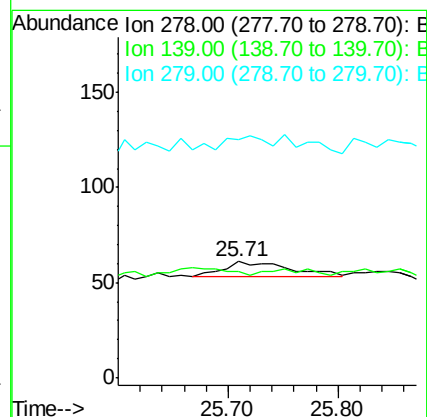
Tgt Ion: 278 Resp: 34

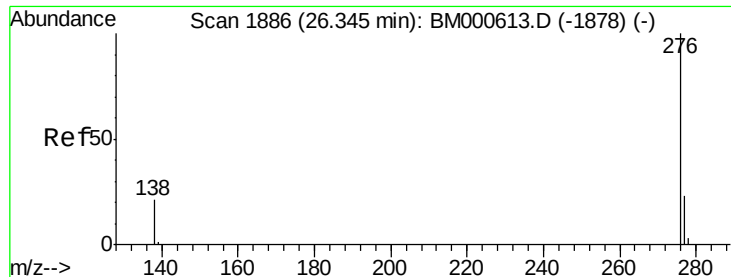
Ion Ratio Lower Upper

278 100

139 91.8 13.3 19.9#

279 204.9 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

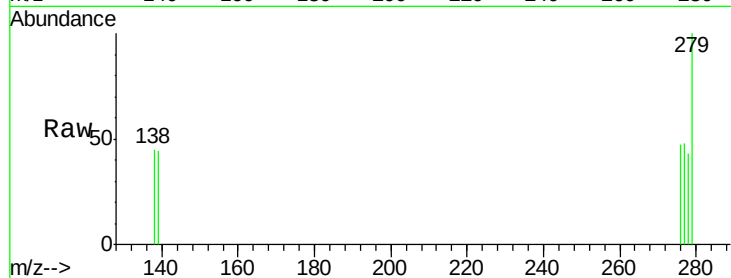
Lab File: BM000626.D

Acq: 28 Feb 2015 03:59

Instrument :

BNA_M

ClientSampleId :



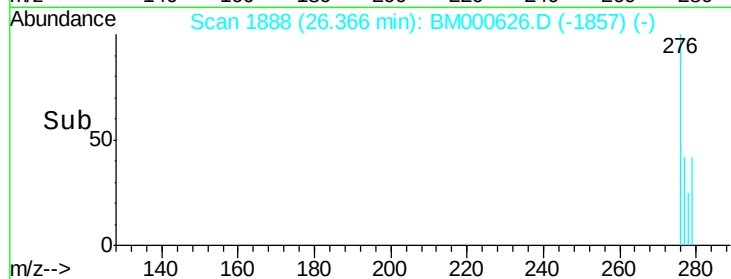
Tgt Ion: 276 Resp: 49

Ion Ratio Lower Upper

276 100

277 101.7 19.8 29.8#

138 96.7 17.8 26.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

