

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022715\
 Data File : BM000632.D
 Acq On : 28 Feb 2015 07:31
 Operator : TP/IZ
 Sample : MDL-07-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 02 00:01:00 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	3985	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	14798	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	7336	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	11395	0.40	ng/ul	0.00
18) Chrysene-d12	21.26	240	11296	0.40	ng/ul	0.01
22) Perylene-d12	23.46	264	9840	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.78	96	357	0.13	ng/uL	-0.36
6) 2-Methylnaphthalene-d10	12.06	152	5029	0.28	ng/ul	0.01
16) Fluoranthene-d10	19.10	212	9556	0.46	ng/ul	0.01

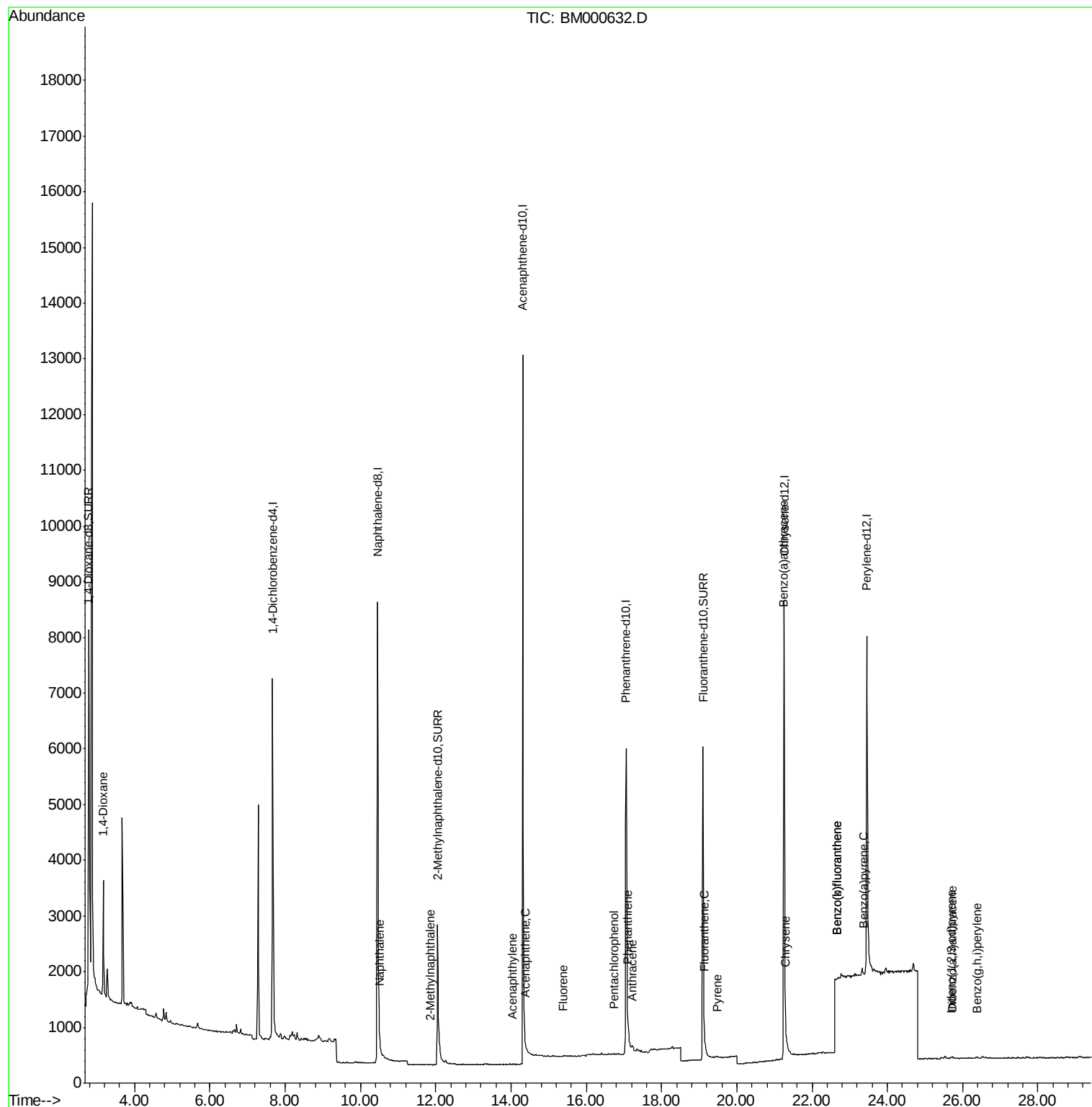
Target Compounds			Qvalue			
3) 1,4-Dioxane	3.17	88	3795	0.92	ng/ul#	45
5) Naphthalene	10.50	128	20	0.00	ng/ul#	1
7) 2-Methylnaphthalene	11.87	142	2	0.00	ng/ul	88
9) Acenaphthylene	14.04	152	11	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	8	0.00	ng/ul#	74
11) Fluorene	15.40	166	12	0.00	ng/ul#	52
13) Pentachlorophenol	16.72	266	7	0.01	ng/ul#	1
14) Phenanthrene	17.10	178	43	0.00	ng/ul#	1
15) Anthracene	17.22	178	36	0.00	ng/ul#	1
17) Fluoranthene	19.12	202	41	0.00	ng/ul#	1
19) Pyrene	19.49	202	35	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.25	228	65	0.00	ng/ul#	7
21) Chrysene	21.29	228	50	0.00	ng/ul#	2
23) Benzo(b)fluoranthene	22.67	252	908	0.03	ng/ul#	1
24) Benzo(k)fluoranthene	22.67	252	908	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	25.70	276	49	0.00	ng/ul#	69
27) Dibenzo(a,h)anthracene	25.73	278	54	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.38	276	47	0.00	ng/ul#	1

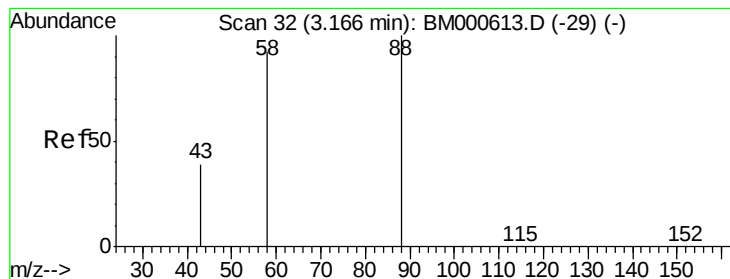
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.92 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.00 min

Lab File: BM000632.D

Acq: 28 Feb 2015 07:31

Instrument :

BNA_M

ClientSampled :

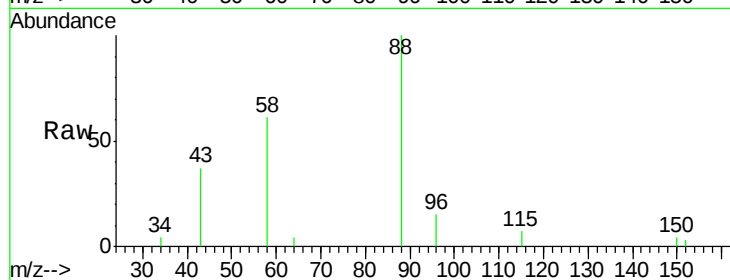
Tgt Ion: 88 Resp: 3795

Ion Ratio Lower Upper

88 100

58 32.4 62.7 94.1#

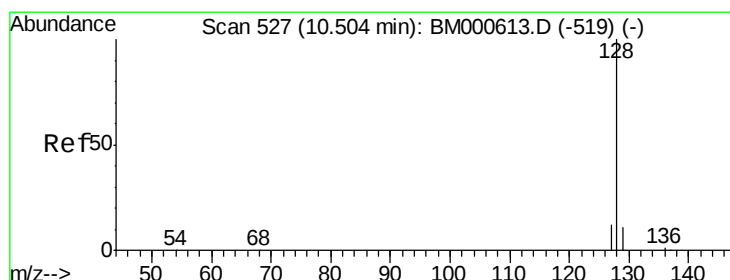
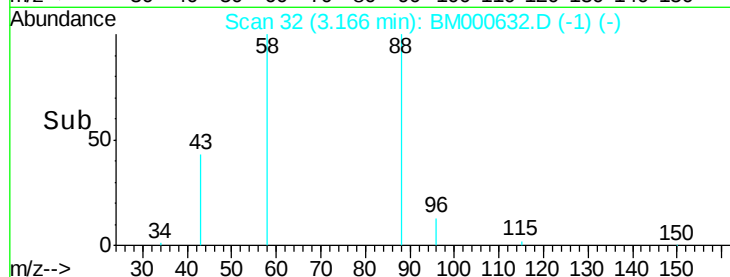
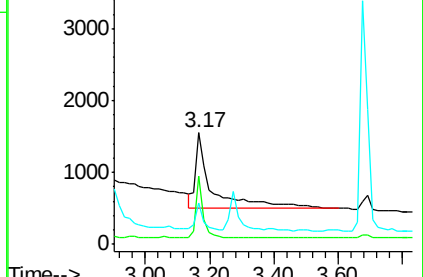
43 0.0 28.8 43.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000632.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM000632.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM000632.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. -0.00 min

Lab File: BM000632.D

Acq: 28 Feb 2015 07:31

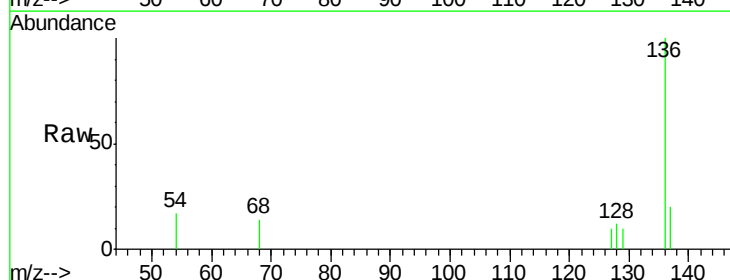
Tgt Ion: 128 Resp: 20

Ion Ratio Lower Upper

128 100

129 86.7 9.4 14.0#

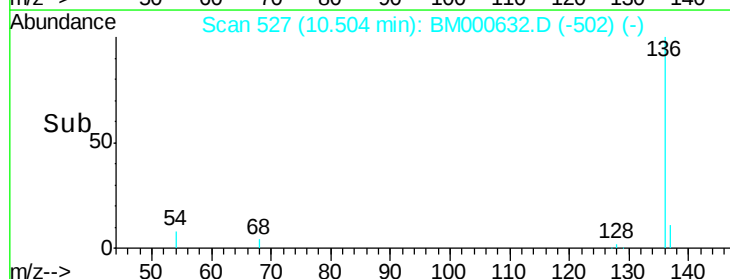
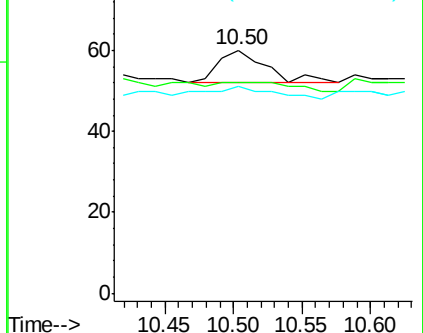
127 85.0 10.0 15.0#

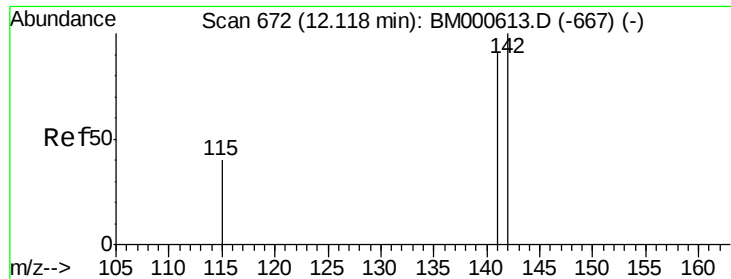


Abundance Ion 128.00 (127.70 to 128.70): BM000632.D (-502) (-)

Ion 129.00 (128.70 to 129.70): BM000632.D (-502) (-)

Ion 127.00 (126.70 to 127.70): BM000632.D (-502) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.87 min Scan# 648

Delta R.T. -0.25 min

Lab File: BM000632.D

Acq: 28 Feb 2015 07:31

Instrument :

BNA_M

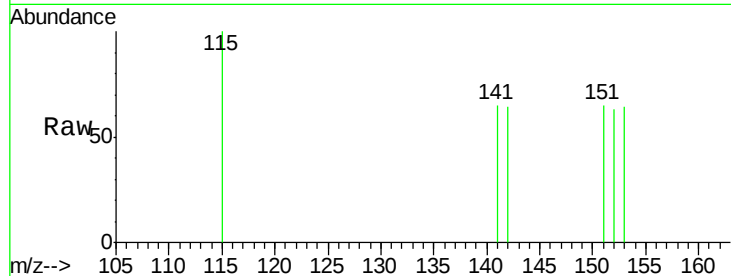
ClientSampled :

Tgt Ion:142 Resp: 2

Ion Ratio Lower Upper

142 100

141 100.0 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.87

60

50

40

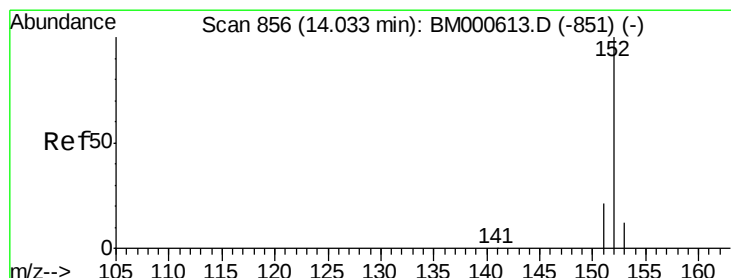
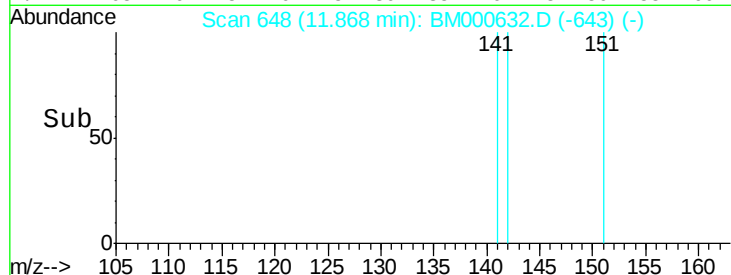
30

20

10

0

Time--> 11.84 11.86 11.88 11.90



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000632.D

Acq: 28 Feb 2015 07:31

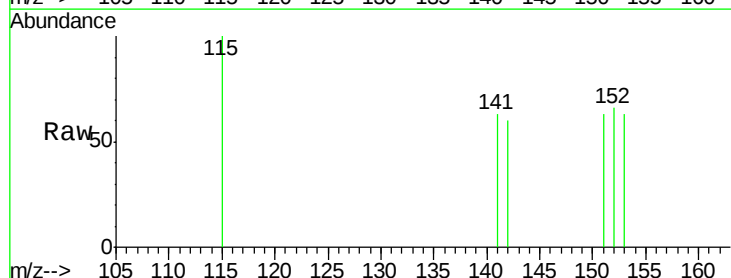
Tgt Ion:152 Resp: 11

Ion Ratio Lower Upper

152 100

151 96.3 17.0 25.6#

153 96.3 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

14.04

60

50

40

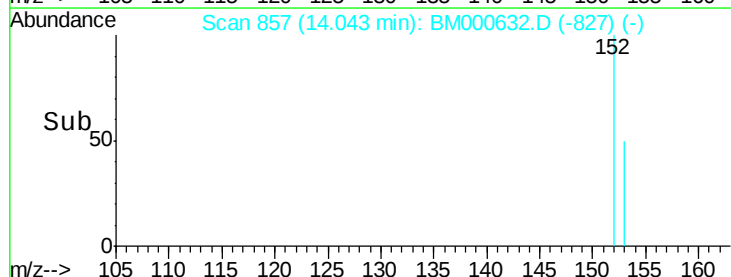
30

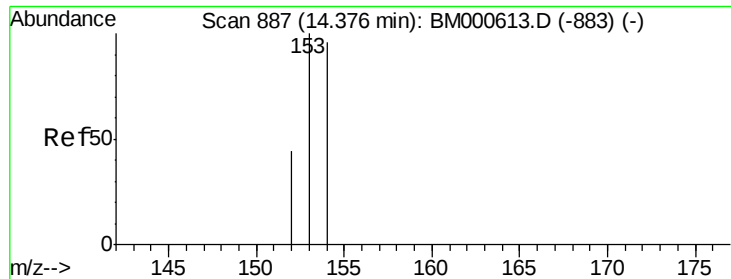
20

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: BM000632.D

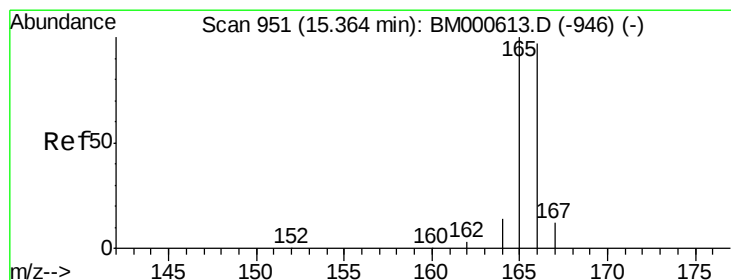
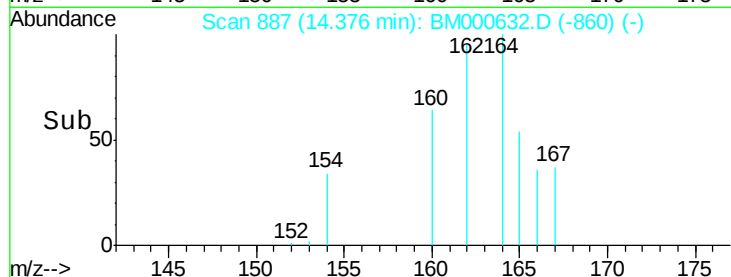
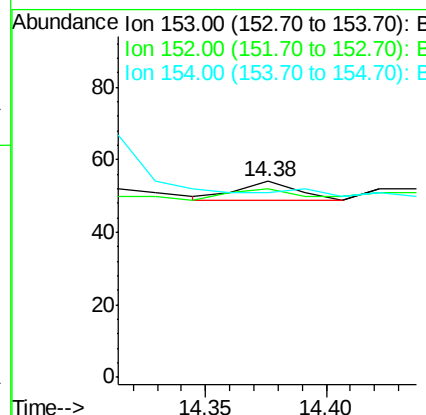
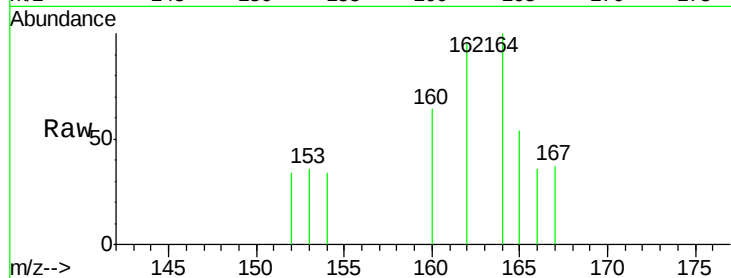
Acq: 28 Feb 2015 07:31

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	153	Resp:	8
Ion	Ratio	Lower	Upper
153	100		
152	96.3	35.9	53.9#
154	94.4	76.9	115.3



#11

Fluorene

Concen: 0.00 ng/ul

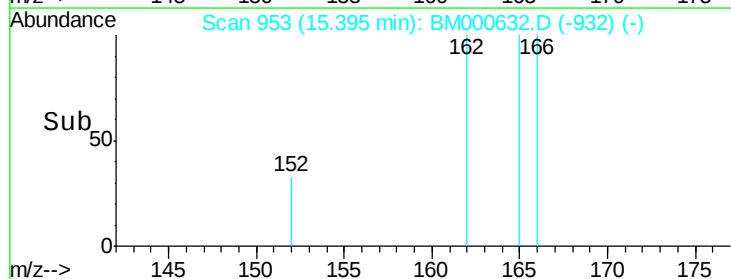
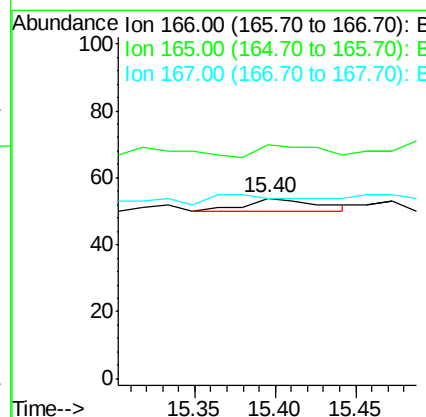
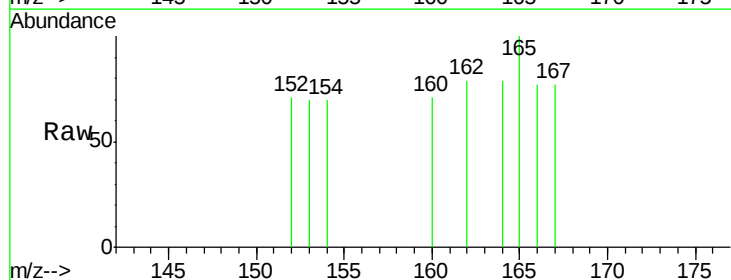
RT: 15.40 min Scan# 953

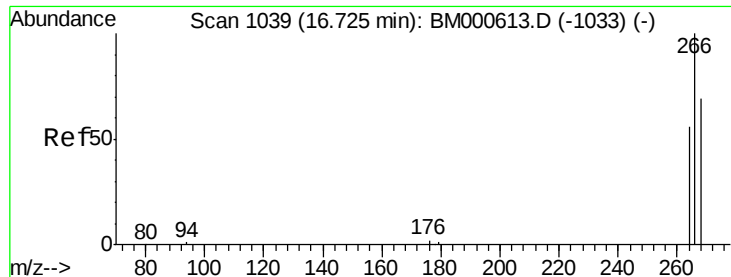
Delta R.T. 0.03 min

Lab File: BM000632.D

Acq: 28 Feb 2015 07:31

Tgt Ion:	166	Resp:	12
Ion	Ratio	Lower	Upper
166	100		
165	129.6	82.5	123.7#
167	100.0	10.6	16.0#

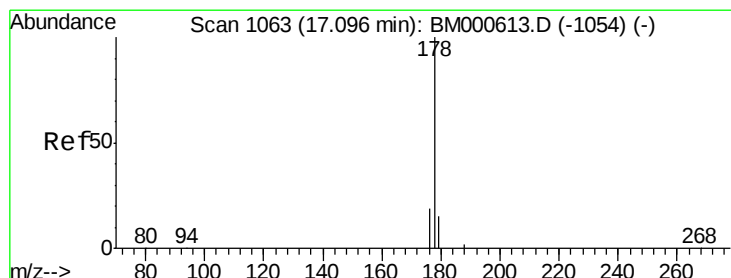
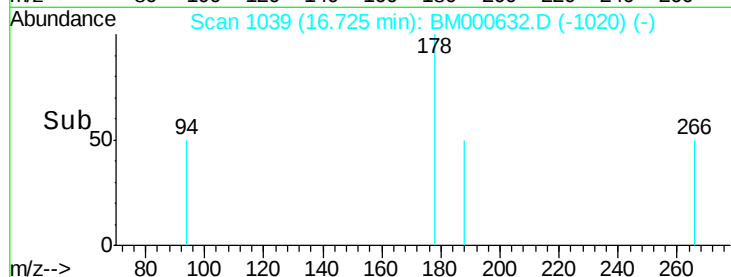
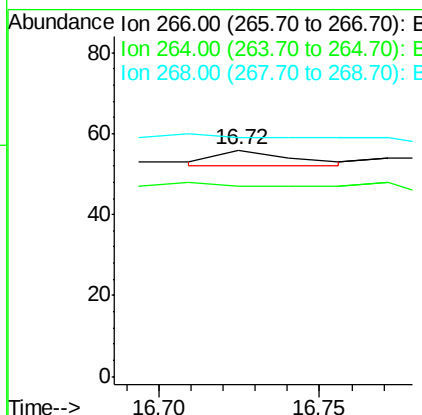
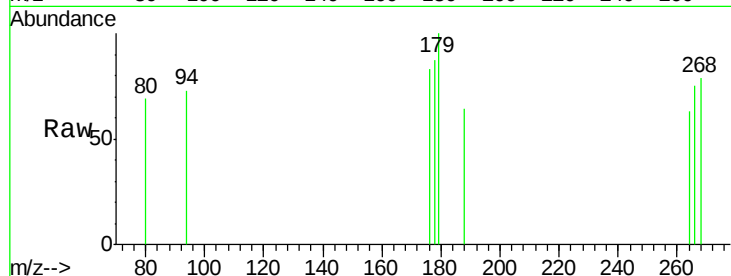




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.72 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: BM000632.D
 Acq: 28 Feb 2015 07:31

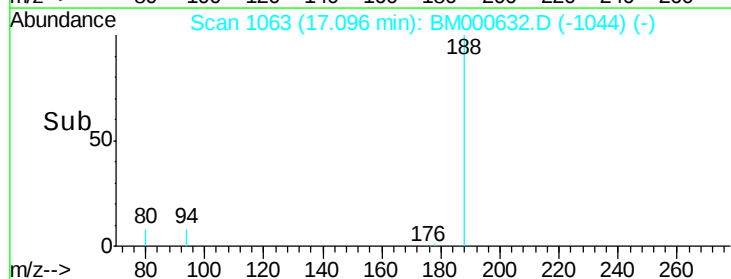
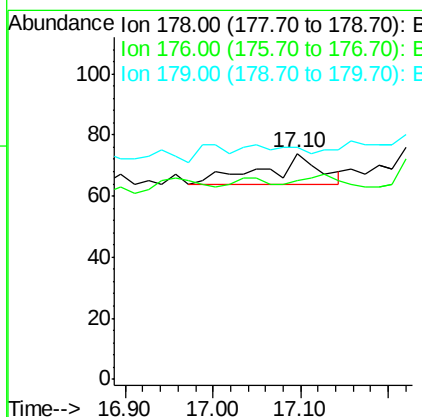
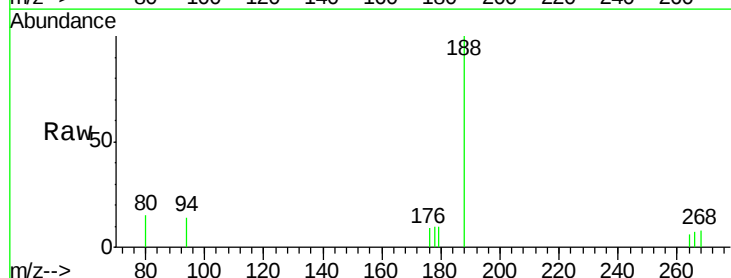
Instrument :
 BNA_M
 ClientSampleId :

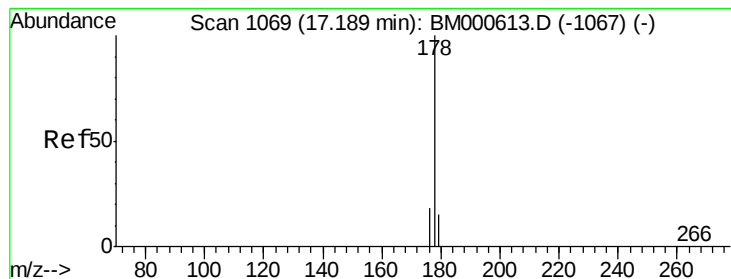
Tgt Ion: 266 Resp: 7
 Ion Ratio Lower Upper
 266 100
 264 85.7 51.0 76.6#
 268 228.6 54.9 82.3#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BM000632.D
 Acq: 28 Feb 2015 07:31

Tgt Ion: 178 Resp: 43
 Ion Ratio Lower Upper
 178 100
 176 87.8 15.3 22.9#
 179 102.7 12.2 18.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.22 min Scan# 1071

Delta R.T. 0.03 min

Lab File: BM000632.D

Acq: 28 Feb 2015 07:31

Instrument :

BNA_M

ClientSampleId :

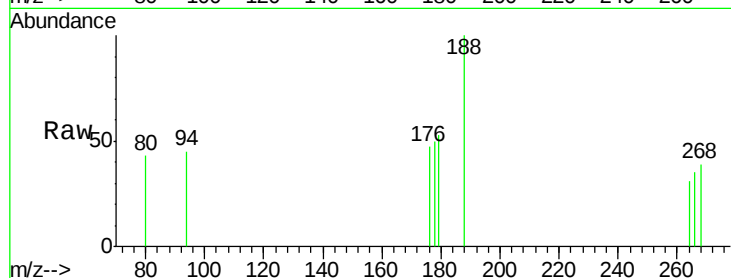
Tgt Ion:178 Resp: 36

Ion Ratio Lower Upper

178 100

176 94.7 14.6 22.0#

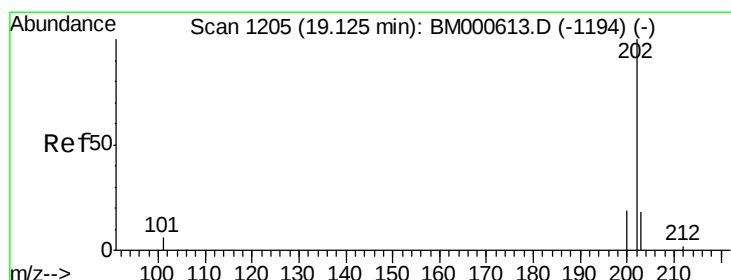
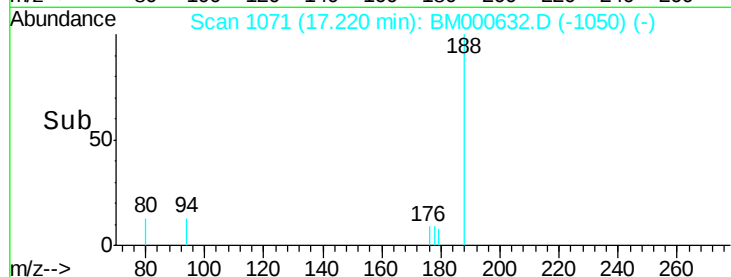
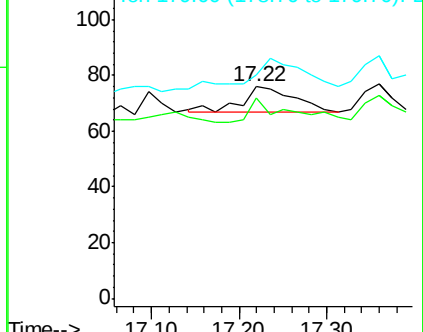
179 105.3 12.9 19.3#



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: BM000632.D

Acq: 28 Feb 2015 07:31

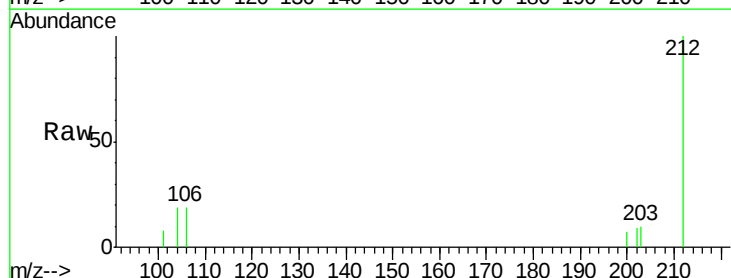
Tgt Ion:202 Resp: 41

Ion Ratio Lower Upper

202 100

101 93.7 0.0 26.2#

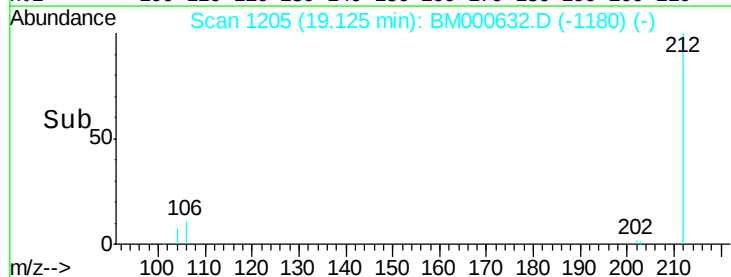
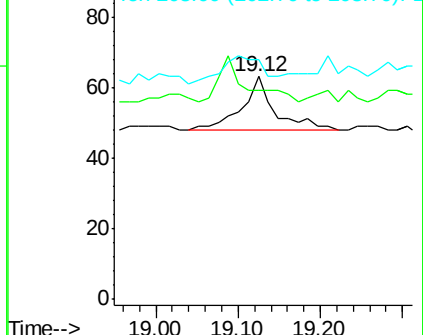
203 107.9 0.0 38.3#

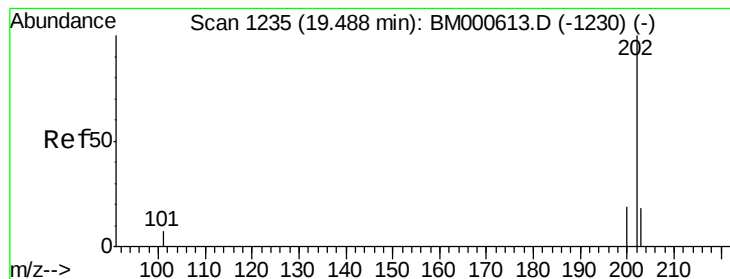


Abundance Ion 202.00 (201.70 to 202.70): E

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: 19.49 min Scan# 1235

Delta R.T. -0.00 min

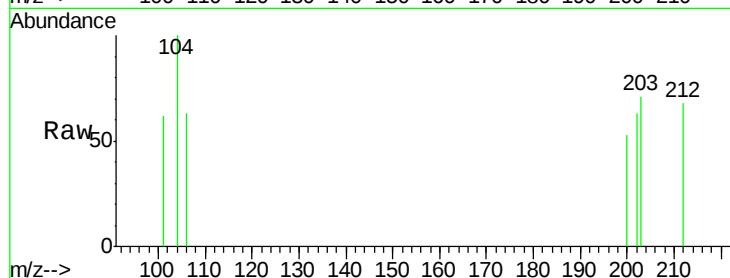
Lab File: BM000632.D

Acq: 28 Feb 2015 07:31

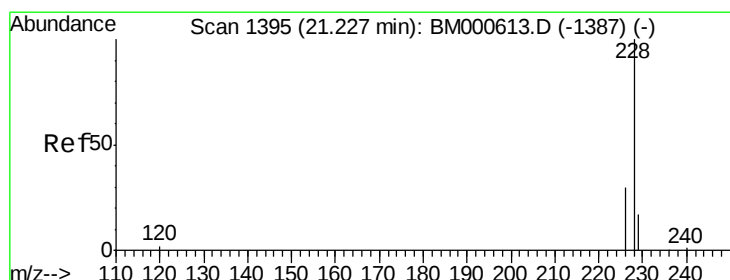
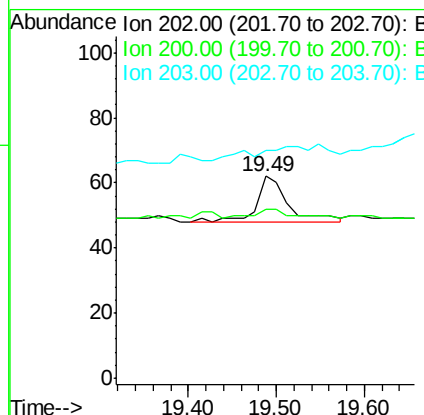
Instrument :

BNA_M

ClientSampleId :



Tgt Ion:	202	Resp:	35
Ion	Ratio	Lower	Upper
202	100		
200	83.9	15.7	23.5#
203	112.9	14.8	22.2#



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

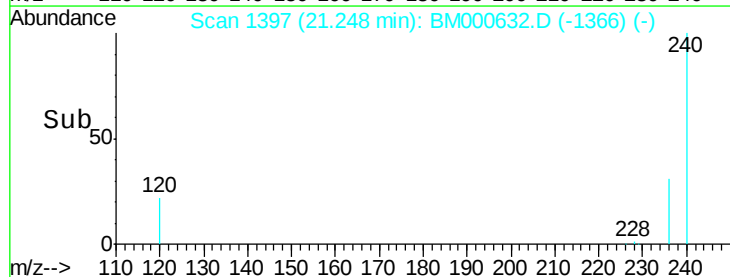
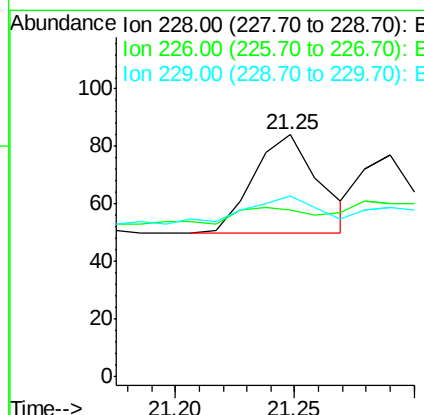
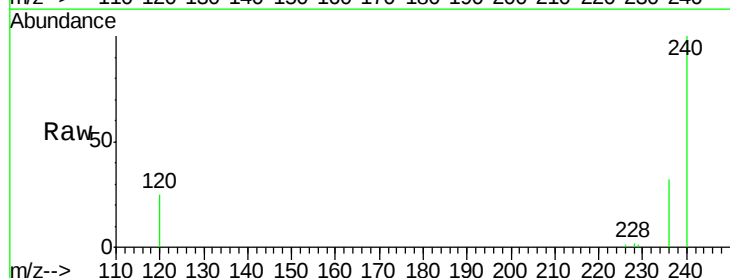
RT: 21.25 min Scan# 1397

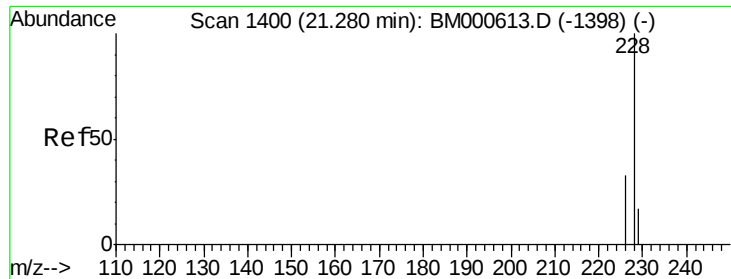
Delta R.T. 0.02 min

Lab File: BM000632.D

Acq: 28 Feb 2015 07:31

Tgt Ion:	228	Resp:	65
Ion	Ratio	Lower	Upper
228	100		
226	69.0	24.1	36.1#
229	75.0	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: BM000632.D

Acq: 28 Feb 2015 07:31

Instrument :

BNA_M

ClientSampleId :

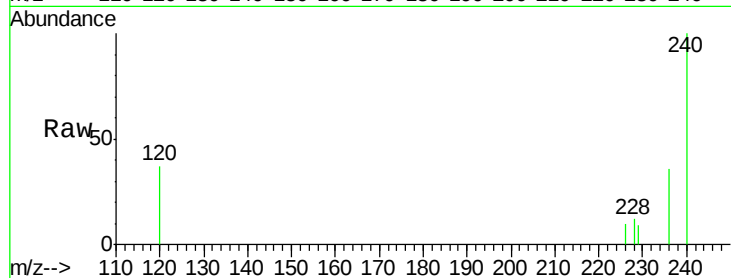
Tgt Ion:228 Resp: 50

Ion Ratio Lower Upper

228 100

226 77.9 26.5 39.7#

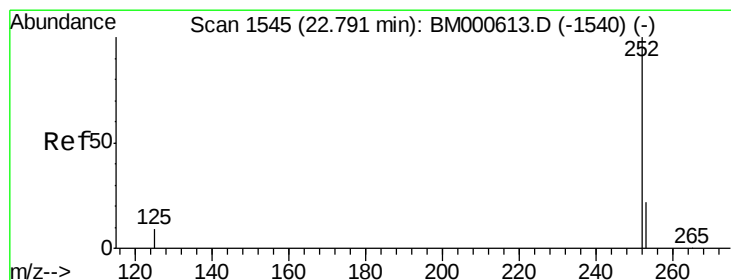
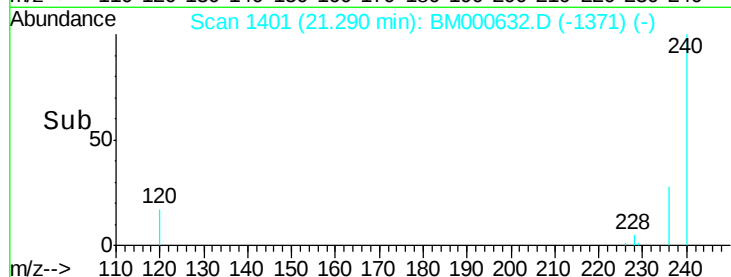
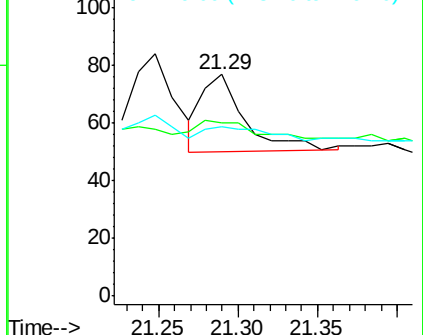
229 76.6 14.3 21.5#



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: 22.67 min Scan# 1533

Delta R.T. -0.13 min

Lab File: BM000632.D

Acq: 28 Feb 2015 07:31

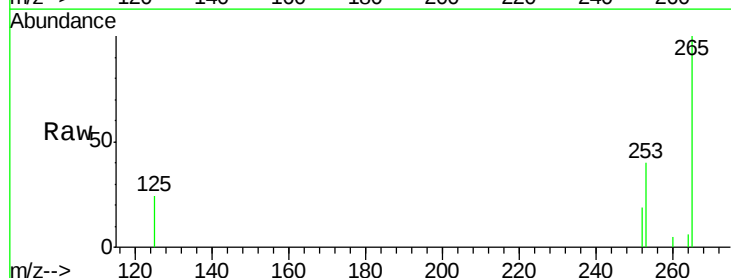
Tgt Ion:252 Resp: 908

Ion Ratio Lower Upper

252 100

253 205.9 0.0 51.2#

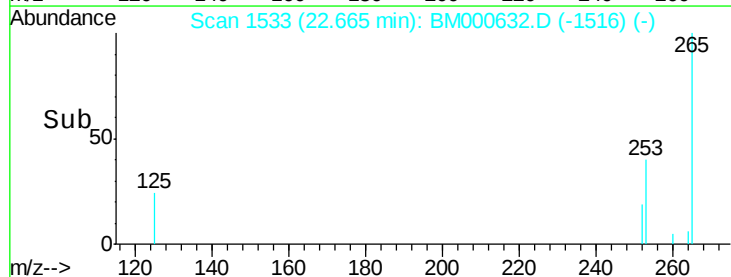
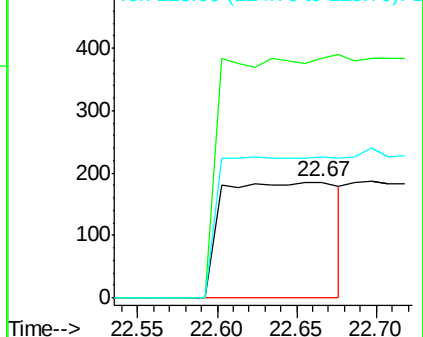
125 122.0 0.0 22.8#

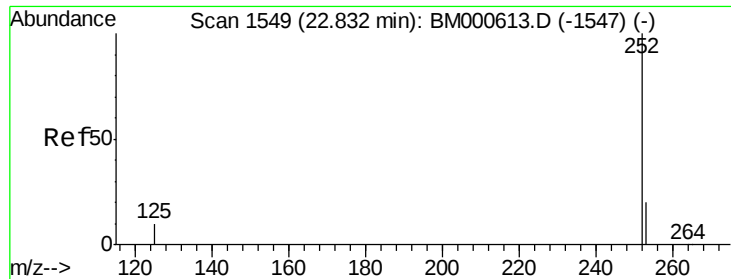


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 22.67 min Scan# 1533

Delta R.T. -0.17 min

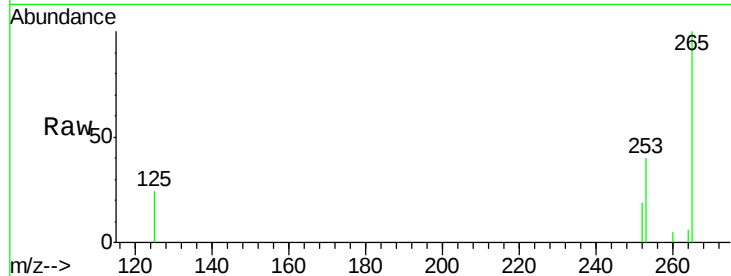
Lab File: BM000632.D

Acq: 28 Feb 2015 07:31

Instrument :

BNA_M

ClientSampleId :



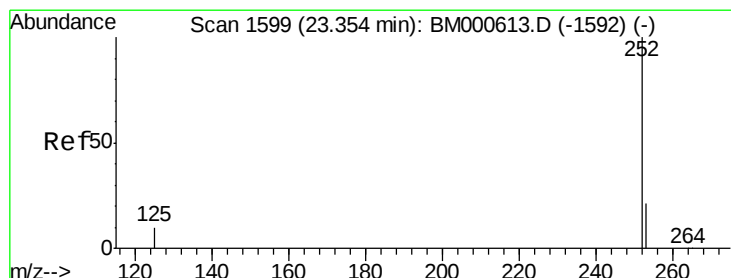
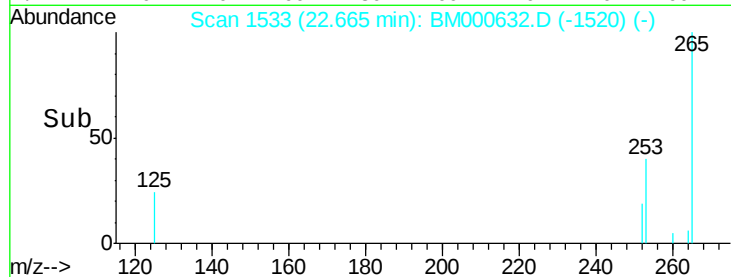
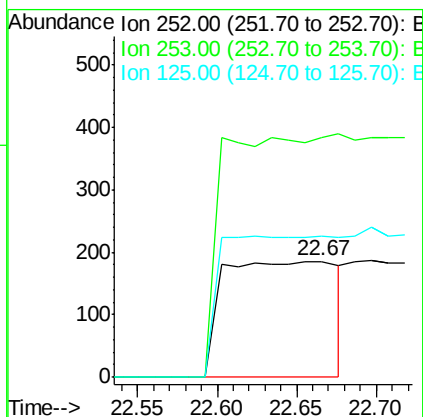
Tgt Ion:252 Resp: 908

Ion Ratio Lower Upper

252 100

253 205.9 20.2 30.2#

125 122.0 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: BM000632.D

Acq: 28 Feb 2015 07:31

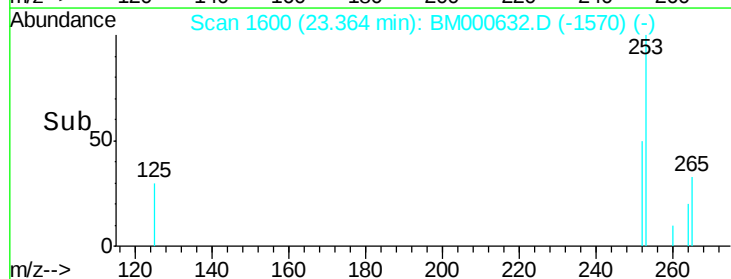
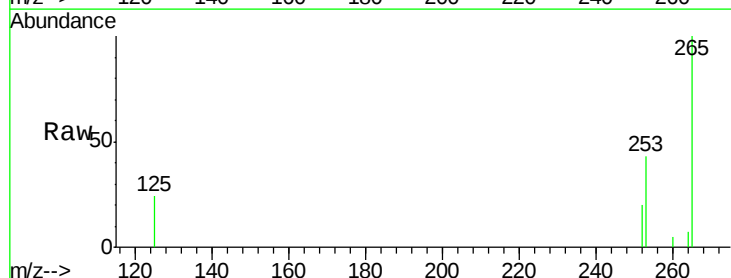
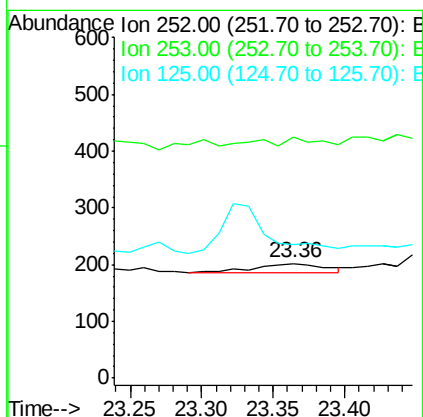
Tgt Ion:252 Resp: 54

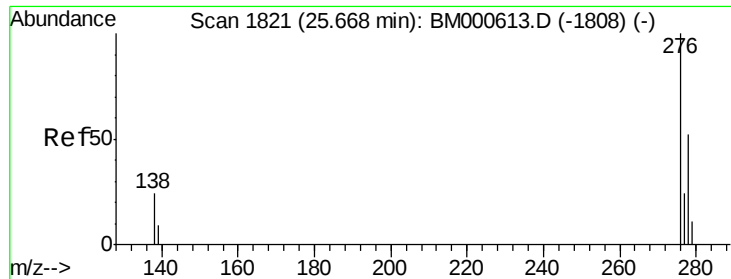
Ion Ratio Lower Upper

252 100

253 209.9 21.3 31.9#

125 116.3 10.6 15.8#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.70 min Scan# 1824

Delta R.T. 0.03 min

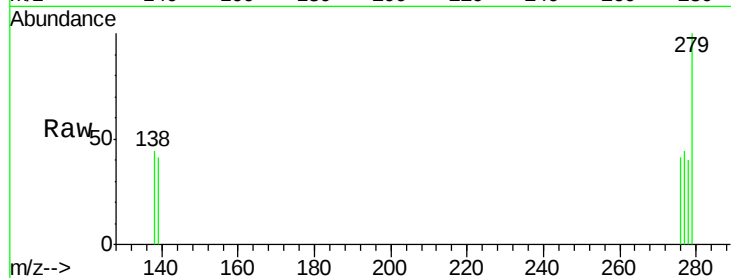
Lab File: BM000632.D

Acq: 28 Feb 2015 07:31

Instrument :

BNA_M

ClientSampleId :



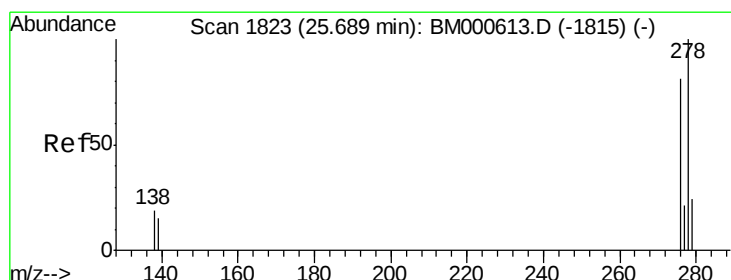
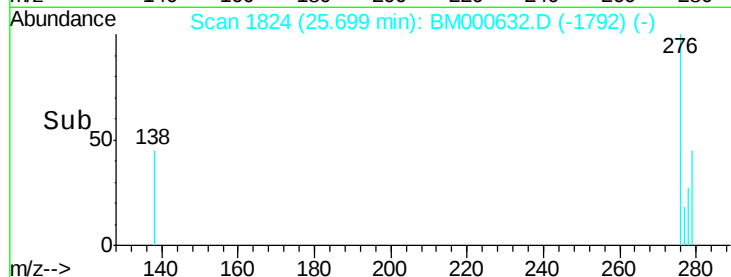
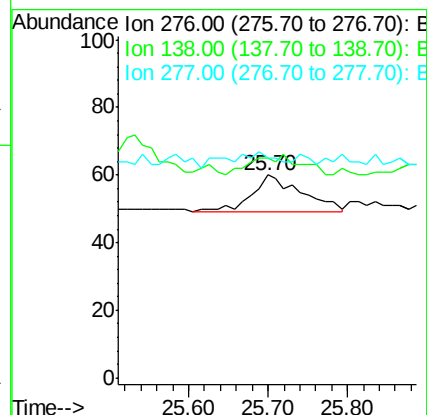
Tgt Ion: 276 Resp: 49

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

277 18.4 19.9 29.9#



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.73 min Scan# 1827

Delta R.T. 0.04 min

Lab File: BM000632.D

Acq: 28 Feb 2015 07:31

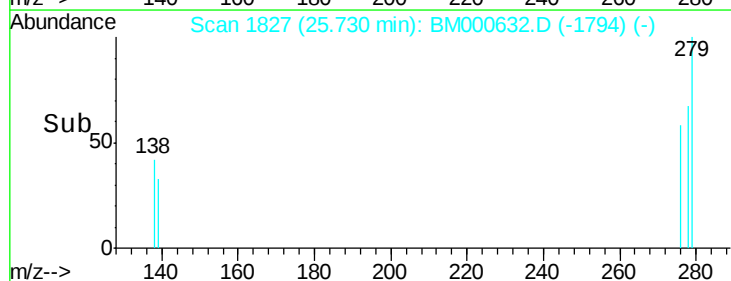
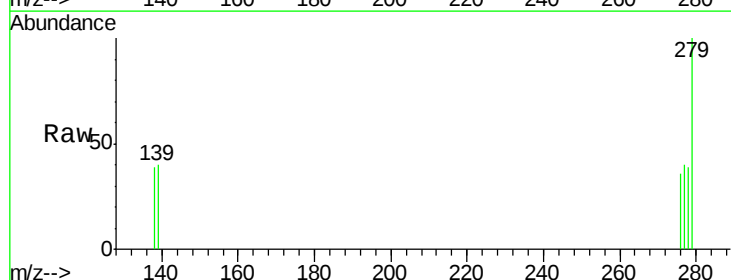
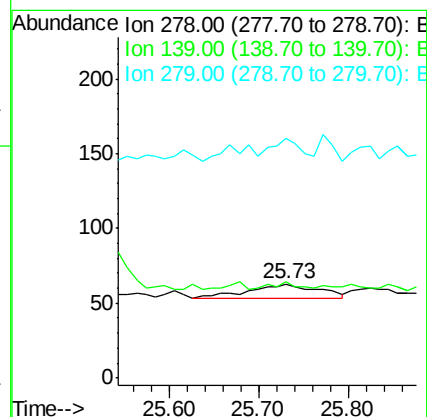
Tgt Ion: 278 Resp: 54

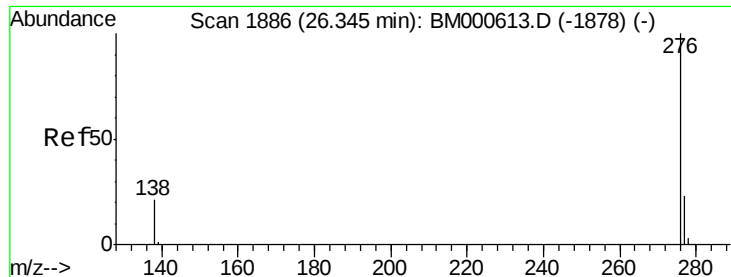
Ion Ratio Lower Upper

278 100

139 101.6 13.3 19.9#

279 254.0 21.9 32.9#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.38 min Scan# 1889

Delta R.T. 0.03 min

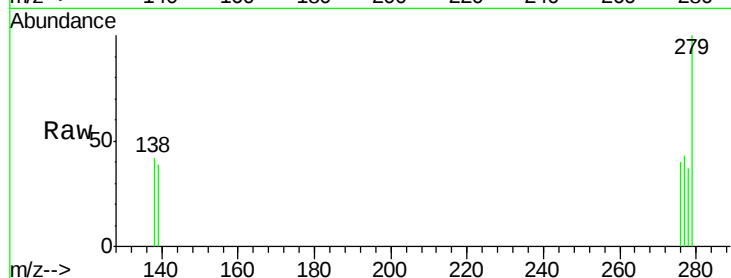
Lab File: BM000632.D

Acq: 28 Feb 2015 07:31

Instrument :

BNA_M

ClientSampleId :



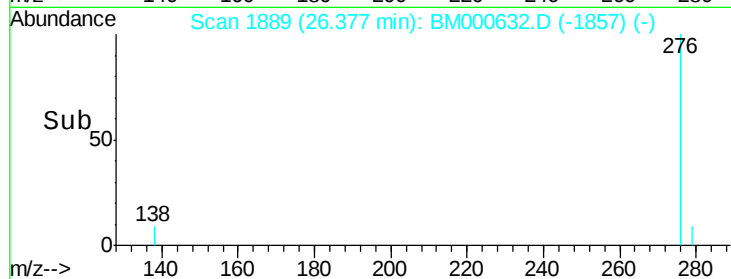
Tgt Ion: 276 Resp: 47

Ion Ratio Lower Upper

276 100

277 108.2 19.8 29.8#

138 104.9 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

