

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022715\
 Data File : BM000631.D
 Acq On : 28 Feb 2015 06:55
 Operator : TP/IZ
 Sample : MDL-06-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 02 00:00:52 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	4654	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	12330	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	7264	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	10555	0.40	ng/ul	0.00
18) Chrysene-d12	21.25	240	7398	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	6089	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.95	96	1003	0.32	ng/uL	-0.19
6) 2-Methylnaphthalene-d10	12.06	152	3952	0.27	ng/ul	0.01
16) Fluoranthene-d10	19.10	212	6622	0.34	ng/ul	0.01

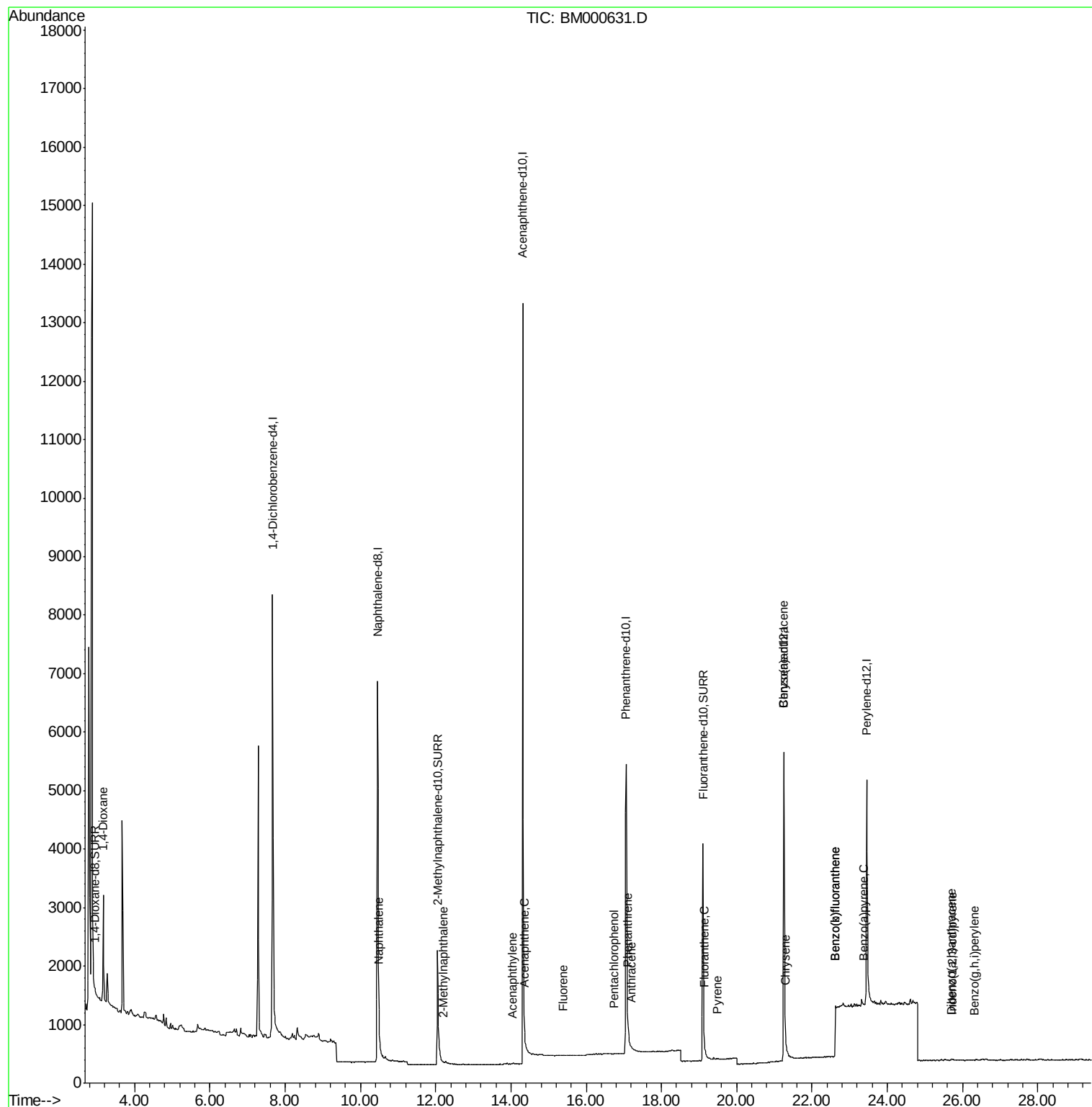
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.17	88	3709	0.77	ng/ul#	43
5) Naphthalene	10.49	128	25	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.21	142	2	0.00	ng/ul	88
9) Acenaphthylene	14.03	152	12	0.00	ng/ul#	1
10) Acenaphthene	14.36	153	9	0.00	ng/ul#	75
11) Fluorene	15.38	166	6	0.00	ng/ul#	61
13) Pentachlorophenol	16.72	266	5	0.00	ng/ul#	1
14) Phenanthrene	17.10	178	20	0.00	ng/ul#	1
15) Anthracene	17.20	178	6	0.00	ng/ul#	1
17) Fluoranthene	19.12	202	29	0.00	ng/ul#	1
19) Pyrene	19.49	202	23	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.25	228	38	0.00	ng/ul#	1
21) Chrysene	21.29	228	30	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.62	252	435	0.02	ng/ul#	1
24) Benzo(k)fluoranthene	22.62	252	435	0.02	ng/ul#	1
25) Benzo(a)pyrene	23.36	252	21	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.73	276	21	0.00	ng/ul#	34
27) Dibenzo(a,h)anthracene	25.71	278	19	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.31	276	3	0.00	ng/ul#	1

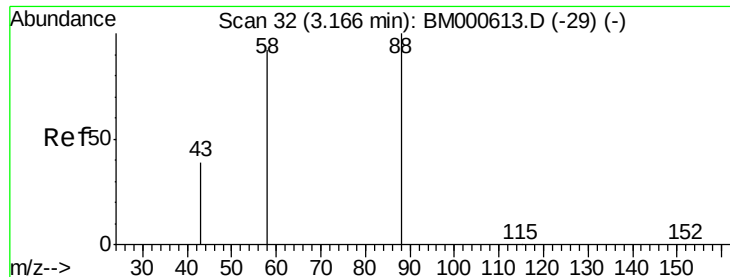
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.77 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000631.D

Acq: 28 Feb 2015 06:55

Instrument :

BNA_M

ClientSampleId :

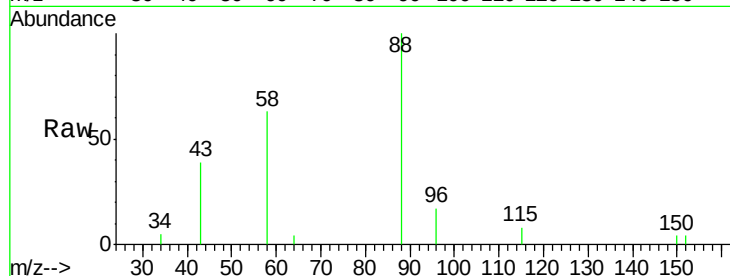
Tgt Ion: 88 Resp: 3709

Ion Ratio Lower Upper

88 100

58 31.0 62.7 94.1#

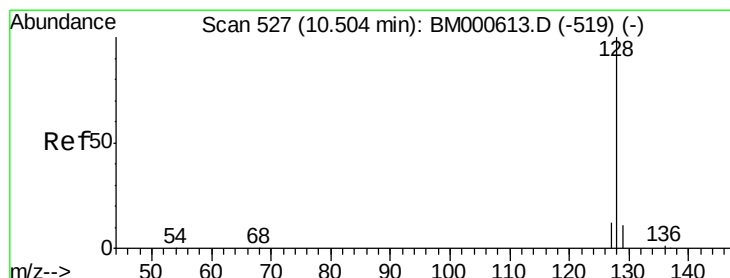
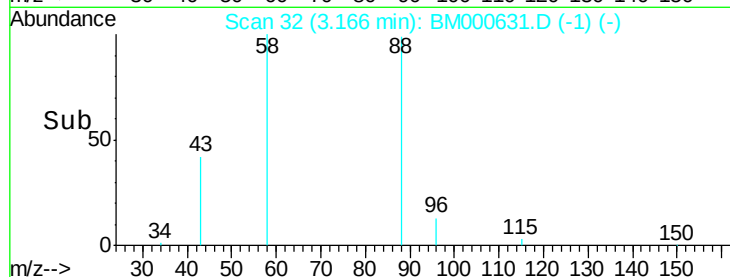
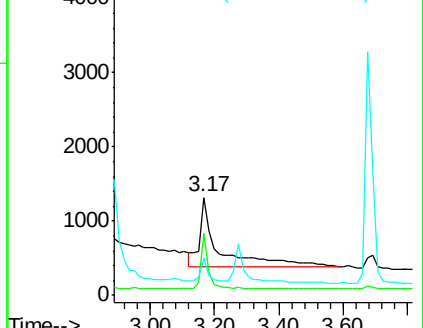
43 0.0 28.8 43.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000631.D (-29) (-)

Ion 58.00 (57.70 to 58.70): BM000631.D (-29) (-)

Ion 43.00 (42.70 to 43.70): BM000631.D (-29) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. -0.01 min

Lab File: BM000631.D

Acq: 28 Feb 2015 06:55

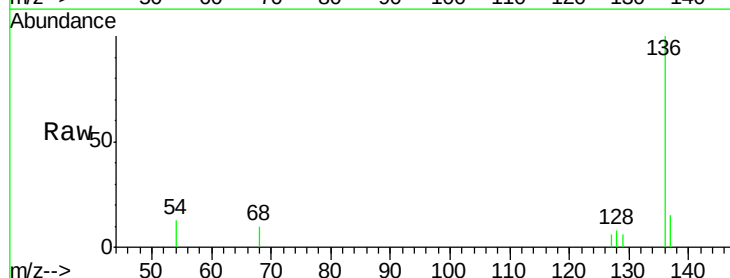
Tgt Ion: 128 Resp: 25

Ion Ratio Lower Upper

128 100

129 85.0 9.4 14.0#

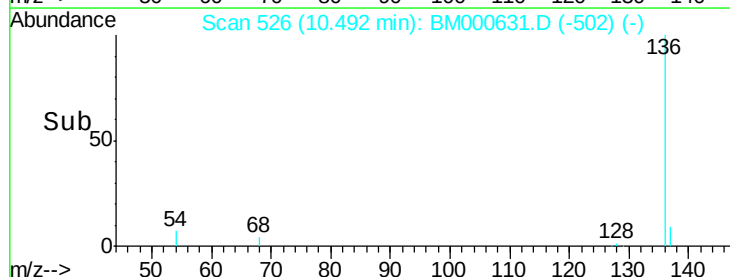
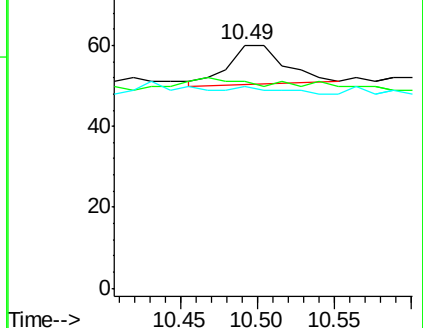
127 83.3 10.0 15.0#

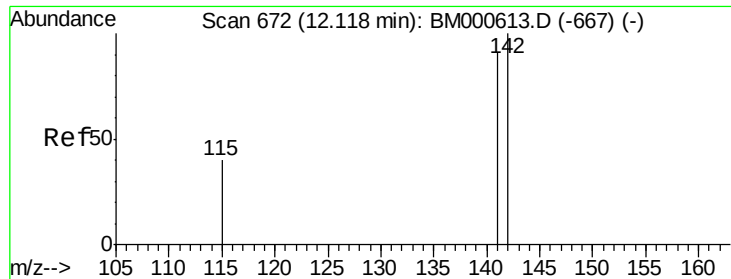


Abundance Ion 128.00 (127.70 to 128.70): BM000631.D (-519) (-)

Ion 129.00 (128.70 to 129.70): BM000631.D (-519) (-)

Ion 127.00 (126.70 to 127.70): BM000631.D (-519) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.21 min Scan# 681

Delta R.T. 0.09 min

Lab File: BM000631.D

Acq: 28 Feb 2015 06:55

Instrument :

BNA_M

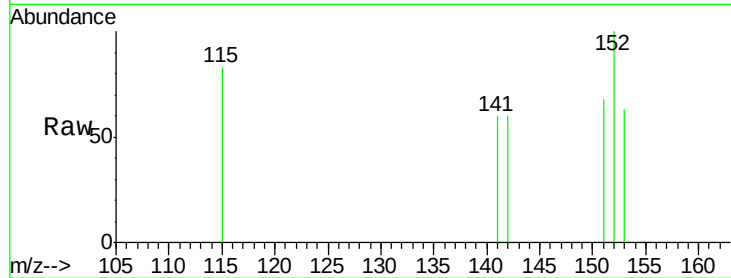
ClientSampled :

Tgt Ion:142 Resp: 2

Ion Ratio Lower Upper

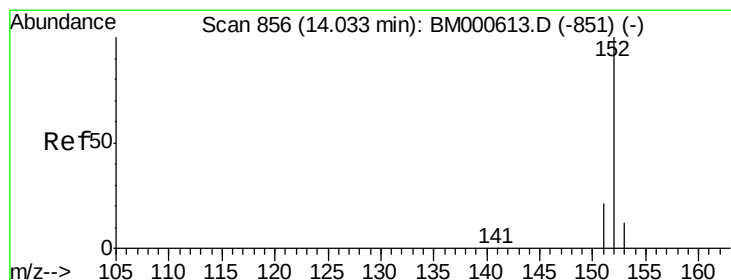
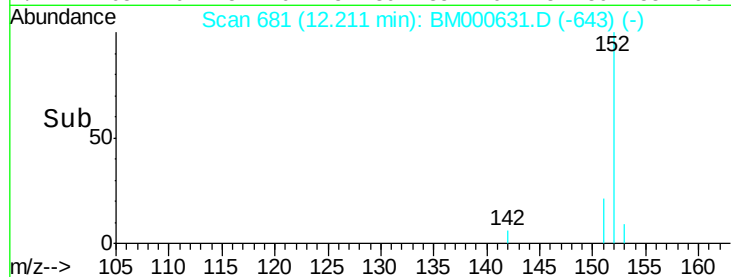
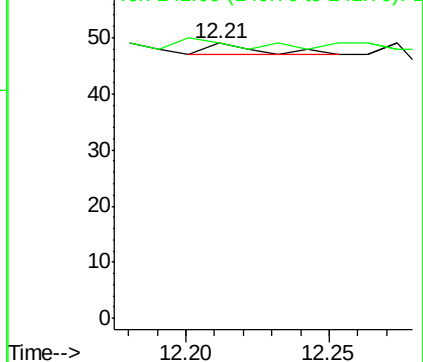
142 100

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



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. 0.00 min

Lab File: BM000631.D

Acq: 28 Feb 2015 06:55

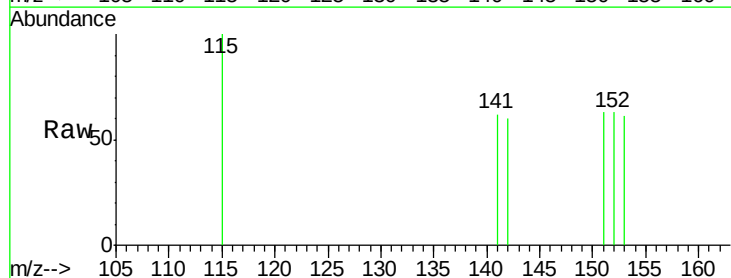
Tgt Ion:152 Resp: 12

Ion Ratio Lower Upper

152 100

151 100.0 17.0 25.6#

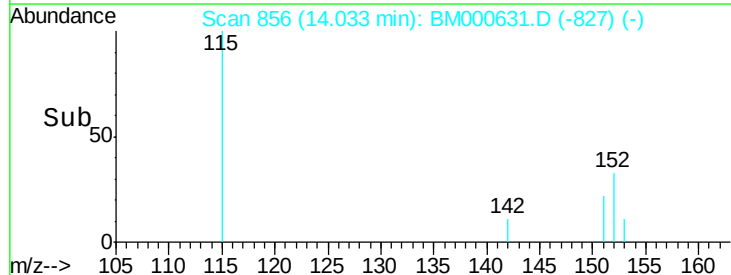
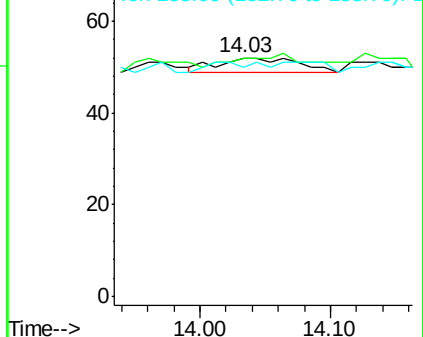
153 96.2 9.9 14.9#

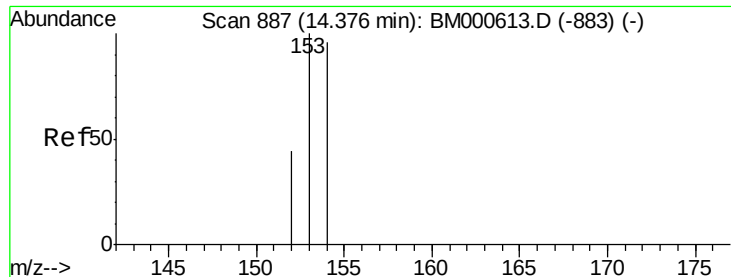


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. -0.02 min

Lab File: BM000631.D

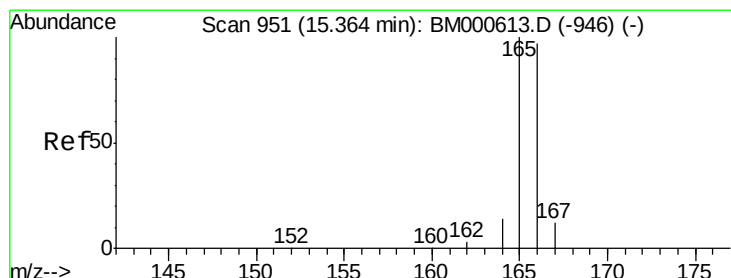
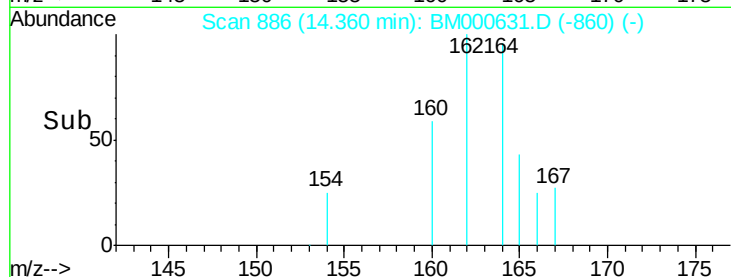
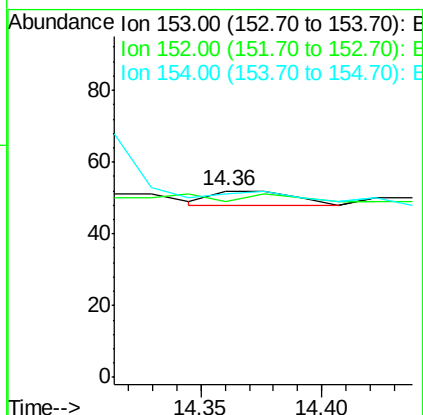
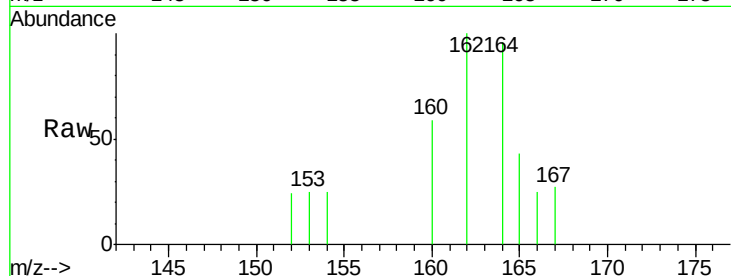
Acq: 28 Feb 2015 06:55

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	153	Resp:	9
Ion	Ratio	Lower	Upper
153	100		
152	94.2	35.9	53.9#
154	98.1	76.9	115.3



#11

Fluorene

Concen: 0.00 ng/ul

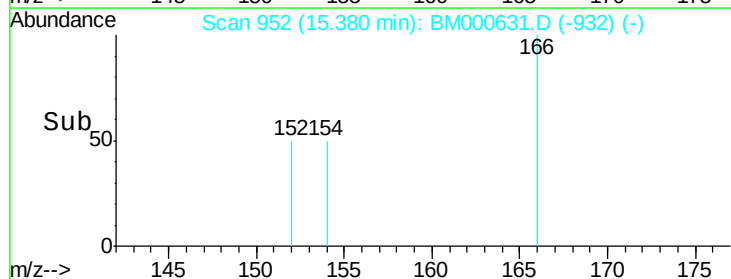
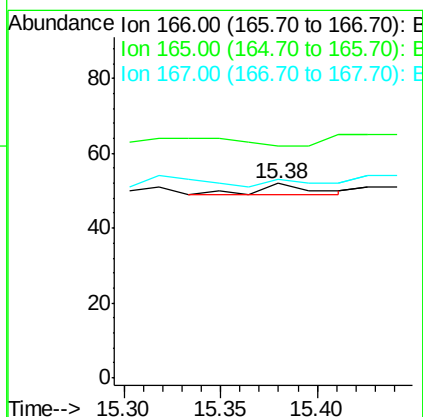
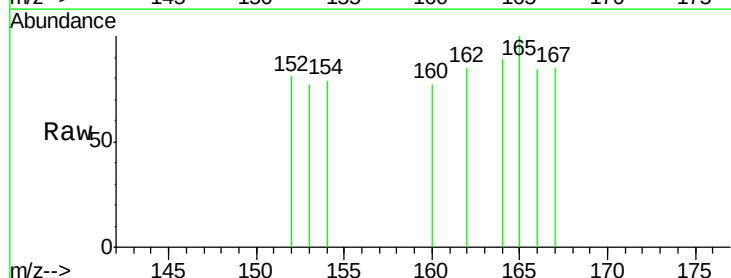
RT: 15.38 min Scan# 952

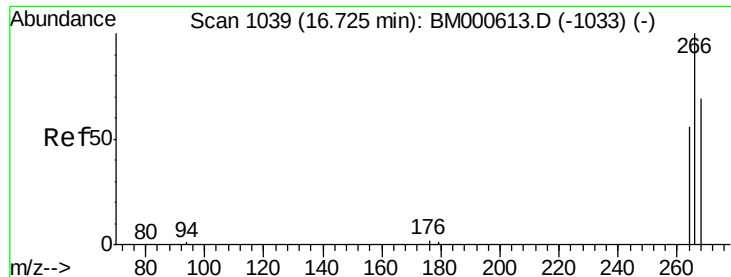
Delta R.T. 0.02 min

Lab File: BM000631.D

Acq: 28 Feb 2015 06:55

Tgt Ion:	166	Resp:	6
Ion	Ratio	Lower	Upper
166	100		
165	119.2	82.5	123.7
167	101.9	10.6	16.0#

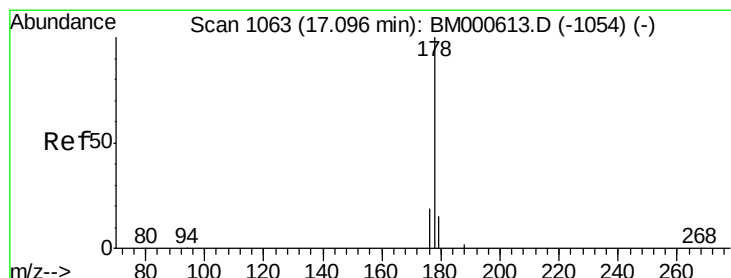
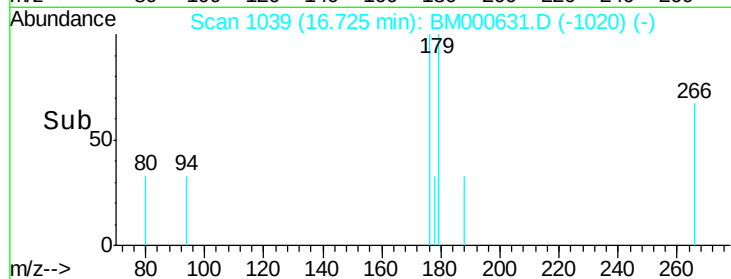
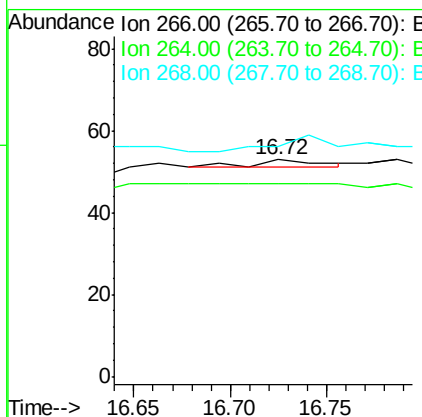
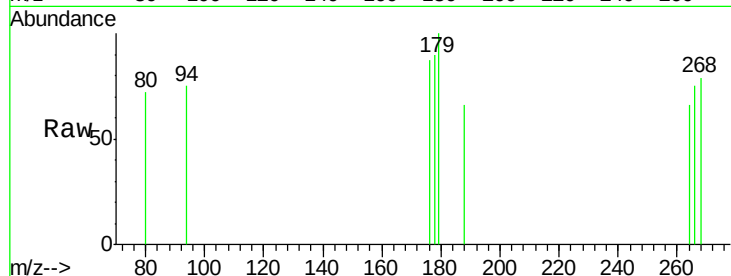




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.72 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BM000631.D
 Acq: 28 Feb 2015 06:55

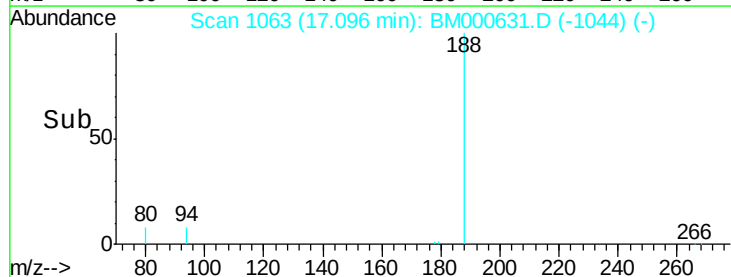
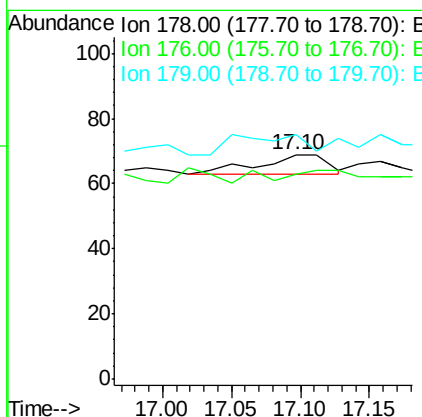
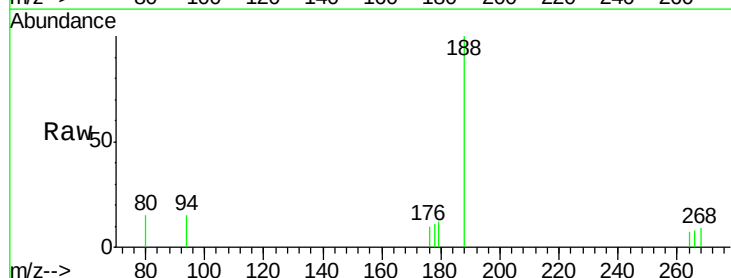
Instrument :
 BNA_M
 ClientSampleId :

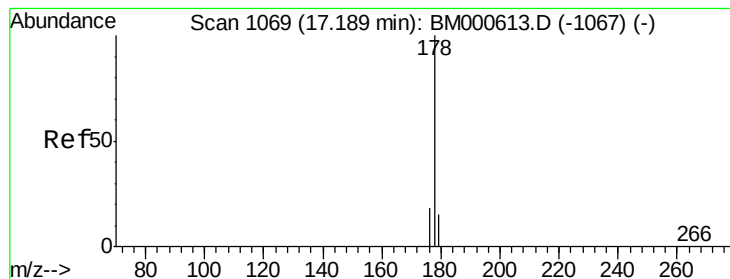
Tgt Ion: 266 Resp: 5
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.0 76.6#
 268 180.0 54.9 82.3#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000631.D
 Acq: 28 Feb 2015 06:55

Tgt Ion: 178 Resp: 20
 Ion Ratio Lower Upper
 178 100
 176 91.3 15.3 22.9#
 179 108.7 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: BM000631.D

Acq: 28 Feb 2015 06:55

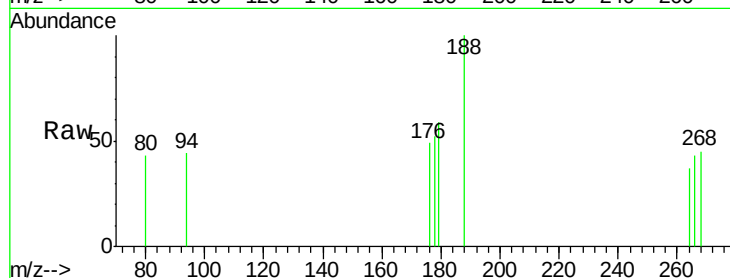
Instrument :

BNA_M

ClientSampleId :

Tgt Ion:178 Resp: 6

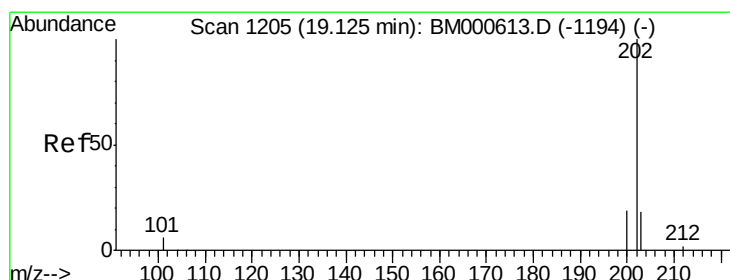
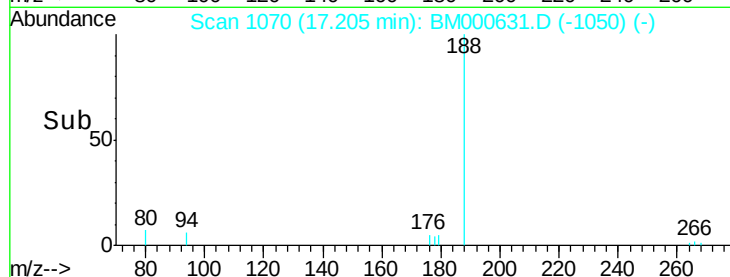
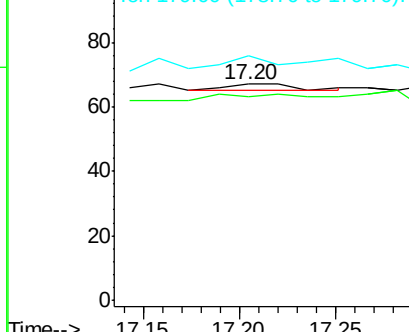
Ion	Ratio	Lower	Upper
178	100		
176	94.0	14.6	22.0#
179	113.4	12.9	19.3#



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: 0.00 ng/ul

RT: 19.12 min Scan# 1205

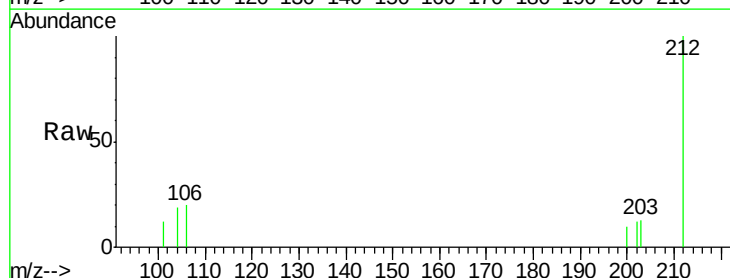
Delta R.T. 0.00 min

Lab File: BM000631.D

Acq: 28 Feb 2015 06:55

Tgt Ion:202 Resp: 29

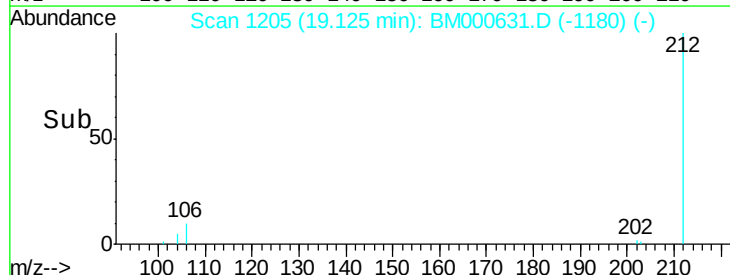
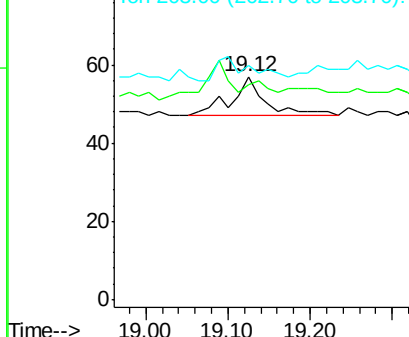
Ion	Ratio	Lower	Upper
202	100		
101	96.5	0.0	26.2#
203	105.3	0.0	38.3#

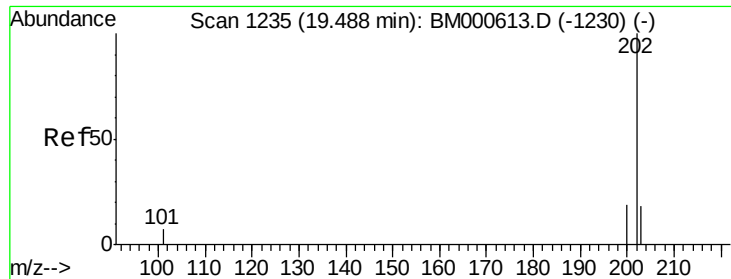


Abundance Ion 202.00 (201.70 to 202.70): E

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

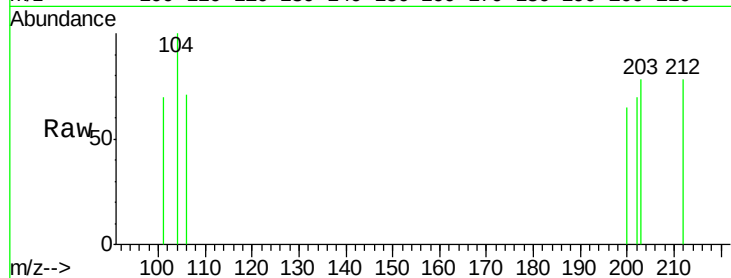
Lab File: BM000631.D

Acq: 28 Feb 2015 06:55

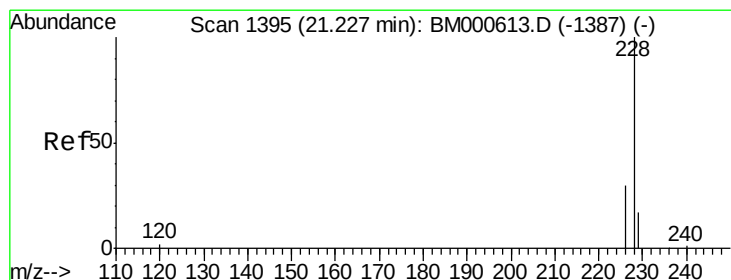
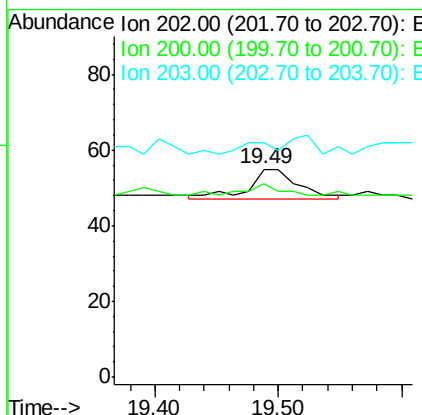
Instrument :

BNA_M

ClientSampleId :



Tgt Ion:	202	Resp:	23
Ion	Ratio	Lower	Upper
202	100		
200	92.7	15.7	23.5#
203	112.7	14.8	22.2#



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

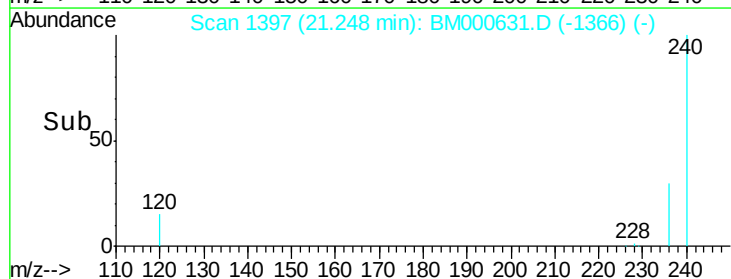
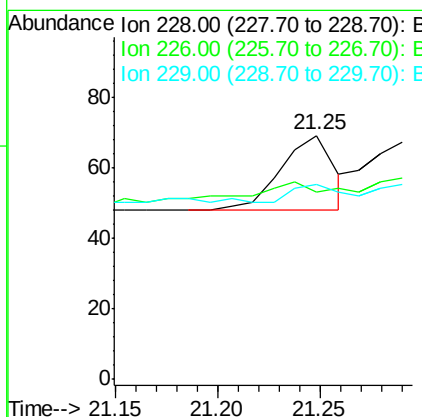
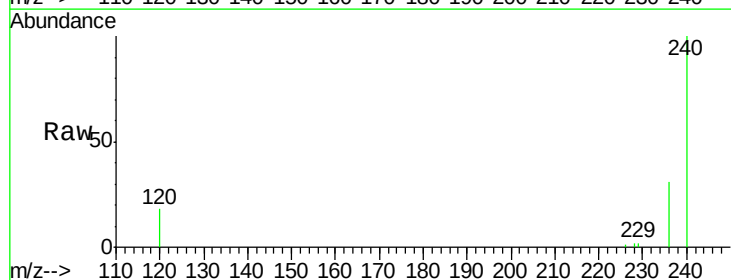
RT: 21.25 min Scan# 1397

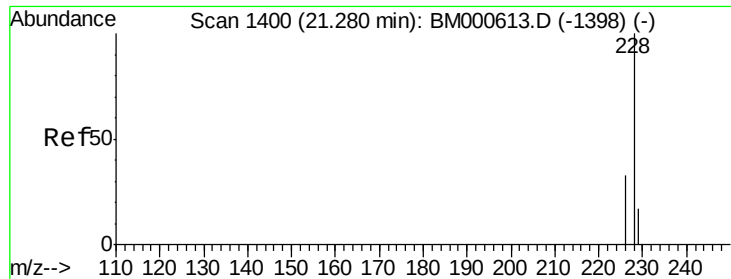
Delta R.T. 0.02 min

Lab File: BM000631.D

Acq: 28 Feb 2015 06:55

Tgt Ion:	228	Resp:	38
Ion	Ratio	Lower	Upper
228	100		
226	76.8	24.1	36.1#
229	79.7	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: BM000631.D

Acq: 28 Feb 2015 06:55

Instrument :

BNA_M

ClientSampleId :

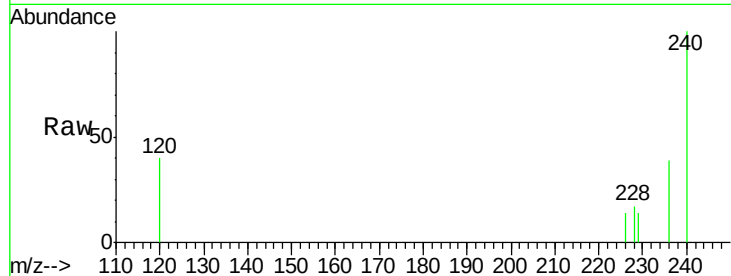
Tgt Ion:228 Resp: 30

Ion Ratio Lower Upper

228 100

226 85.1 26.5 39.7#

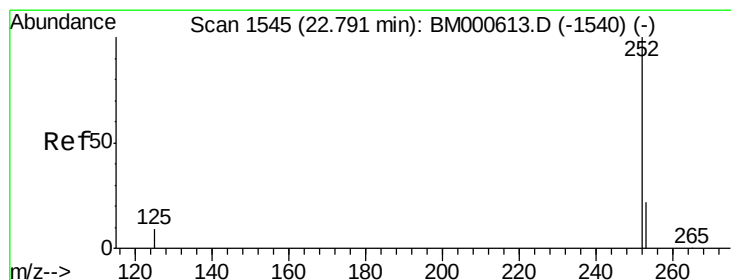
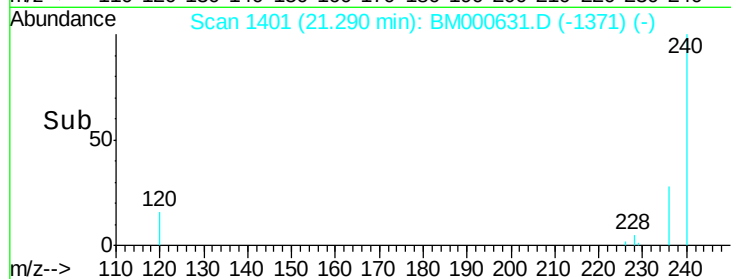
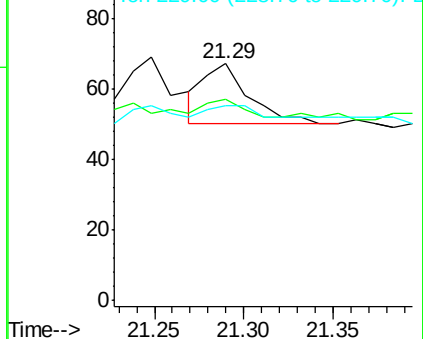
229 82.1 14.3 21.5#



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: 0.02 ng/ul

RT: 22.62 min Scan# 1529

Delta R.T. -0.17 min

Lab File: BM000631.D

Acq: 28 Feb 2015 06:55

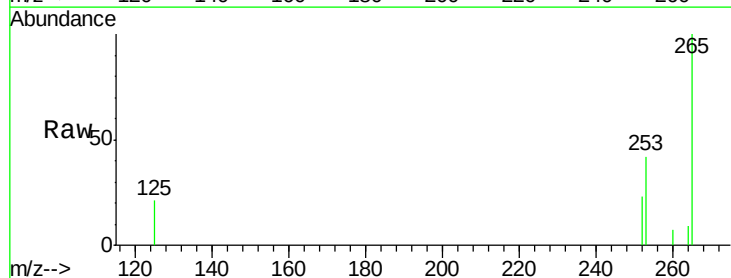
Tgt Ion:252 Resp: 435

Ion Ratio Lower Upper

252 100

253 186.5 0.0 51.2#

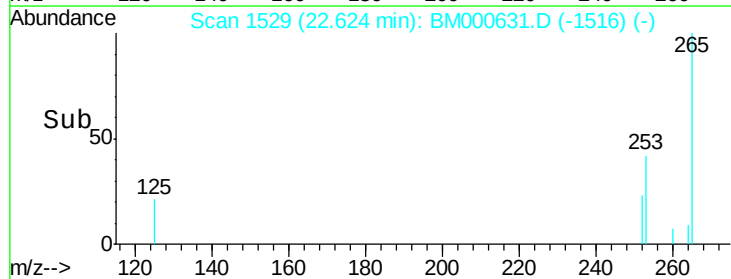
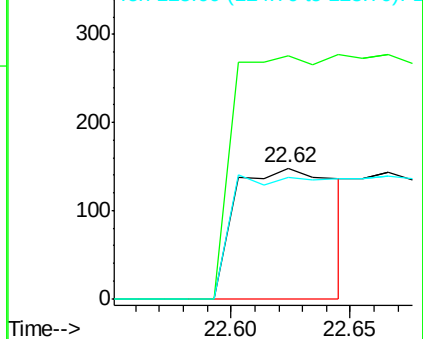
125 93.2 0.0 22.8#

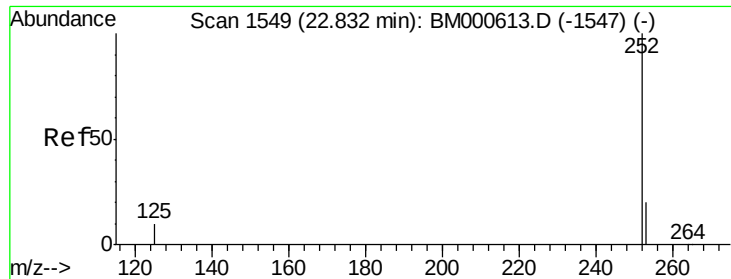


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 22.62 min Scan# 1529

Delta R.T. -0.21 min

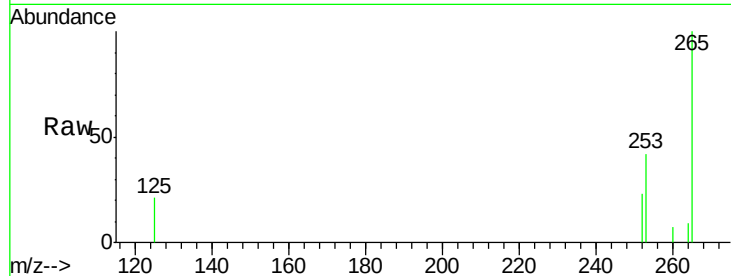
Lab File: BM000631.D

Acq: 28 Feb 2015 06:55

Instrument :

BNA_M

ClientSampleId :



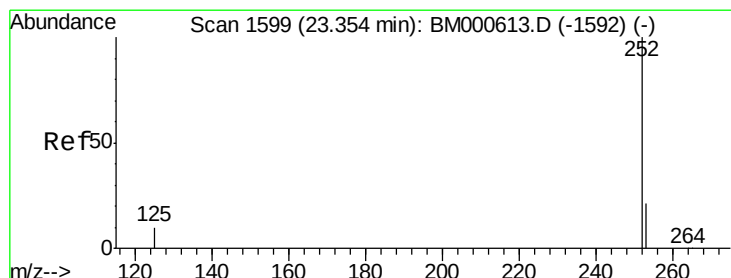
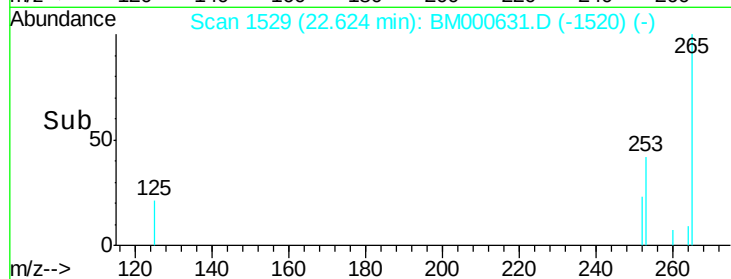
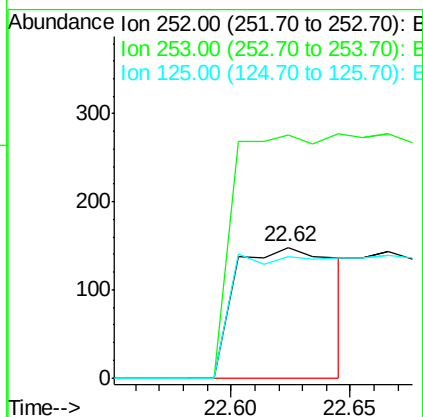
Tgt Ion: 252 Resp: 435

Ion Ratio Lower Upper

252 100

253 186.5 20.2 30.2#

125 93.2 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: BM000631.D

Acq: 28 Feb 2015 06:55

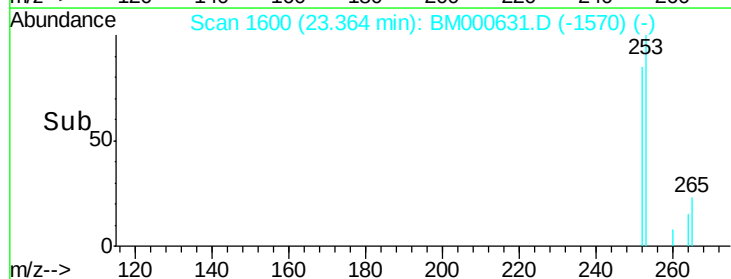
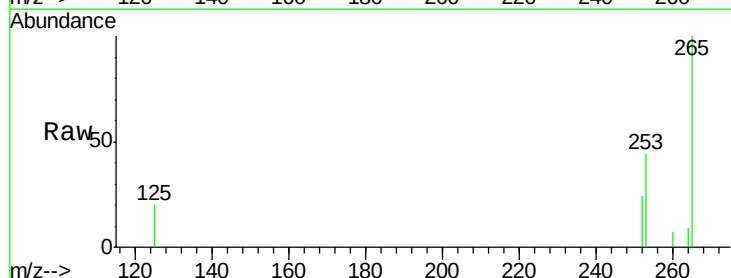
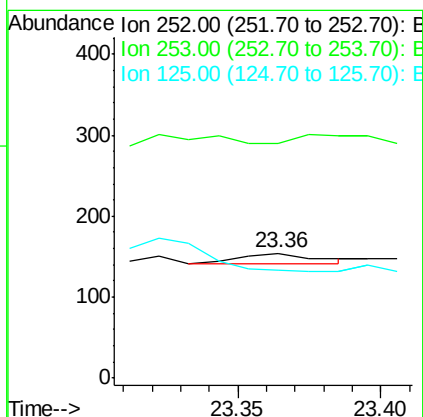
Tgt Ion: 252 Resp: 21

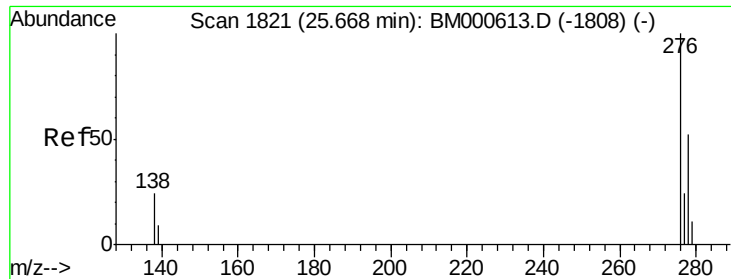
Ion Ratio Lower Upper

252 100

253 188.3 21.3 31.9#

125 86.4 10.6 15.8#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.73 min Scan# 1827

Delta R.T. 0.06 min

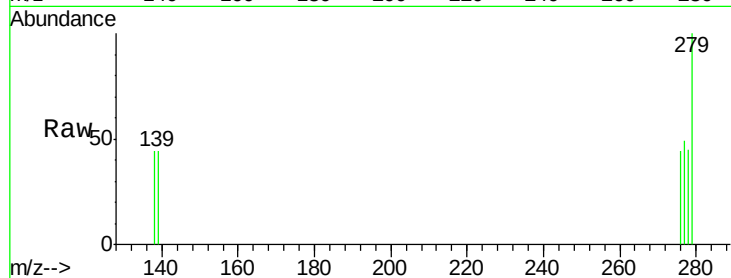
Lab File: BM000631.D

Acq: 28 Feb 2015 06:55

Instrument :

BNA_M

ClientSampleId :



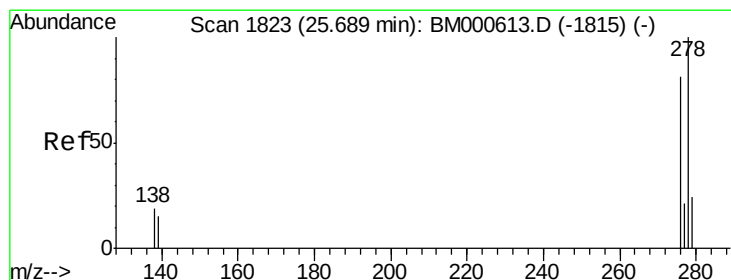
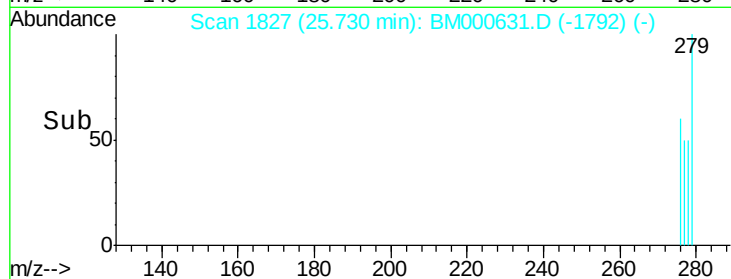
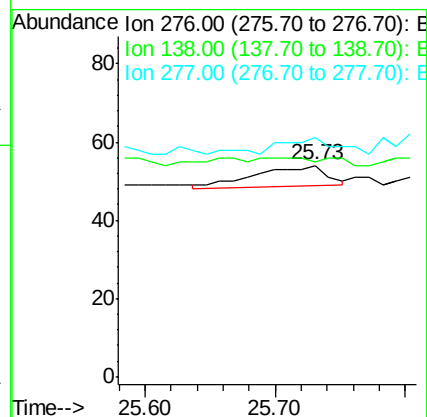
Tgt Ion: 276 Resp: 21

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

277 66.7 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: BM000631.D

Acq: 28 Feb 2015 06:55

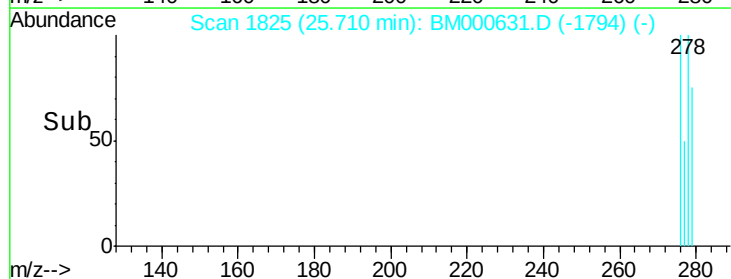
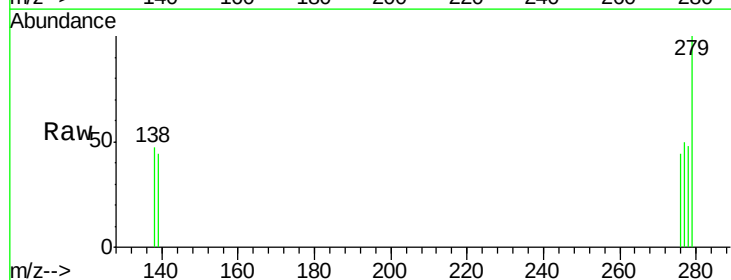
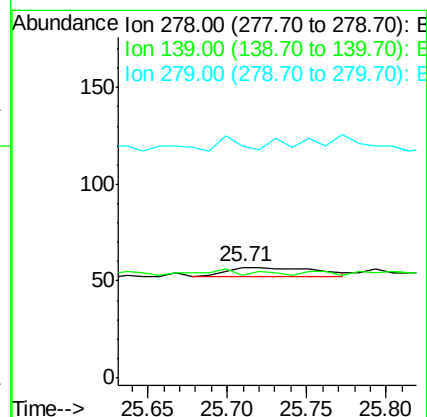
Tgt Ion: 278 Resp: 19

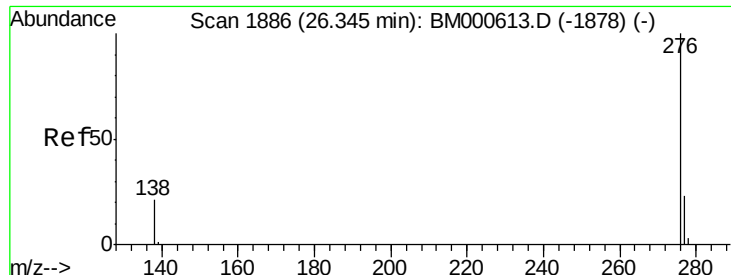
Ion Ratio Lower Upper

278 100

139 93.0 13.3 19.9#

279 210.5 21.9 32.9#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.31 min Scan# 1883

Delta R.T. -0.03 min

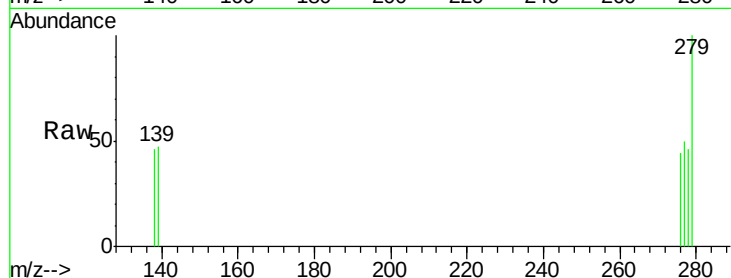
Lab File: BM000631.D

Acq: 28 Feb 2015 06:55

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:	276	Resp:	3
Ion	Ratio	Lower	Upper
276	100		
277	115.7	19.8	29.8#
138	105.9	17.8	26.6#

