

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022715\
 Data File : BM000628.D
 Acq On : 28 Feb 2015 05:10
 Operator : TP/IZ
 Sample : MDL-03-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 28 06:06:07 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	2996	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	10315	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	5463	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	11874	0.40	ng/ul	0.00
18) Chrysene-d12	21.25	240	7530	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	6160	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.04	96	28	0.01	ng/uL	-0.09
6) 2-Methylnaphthalene-d10	12.06	152	3031	0.24	ng/ul	0.01
16) Fluoranthene-d10	19.10	212	5416	0.25	ng/ul	0.01

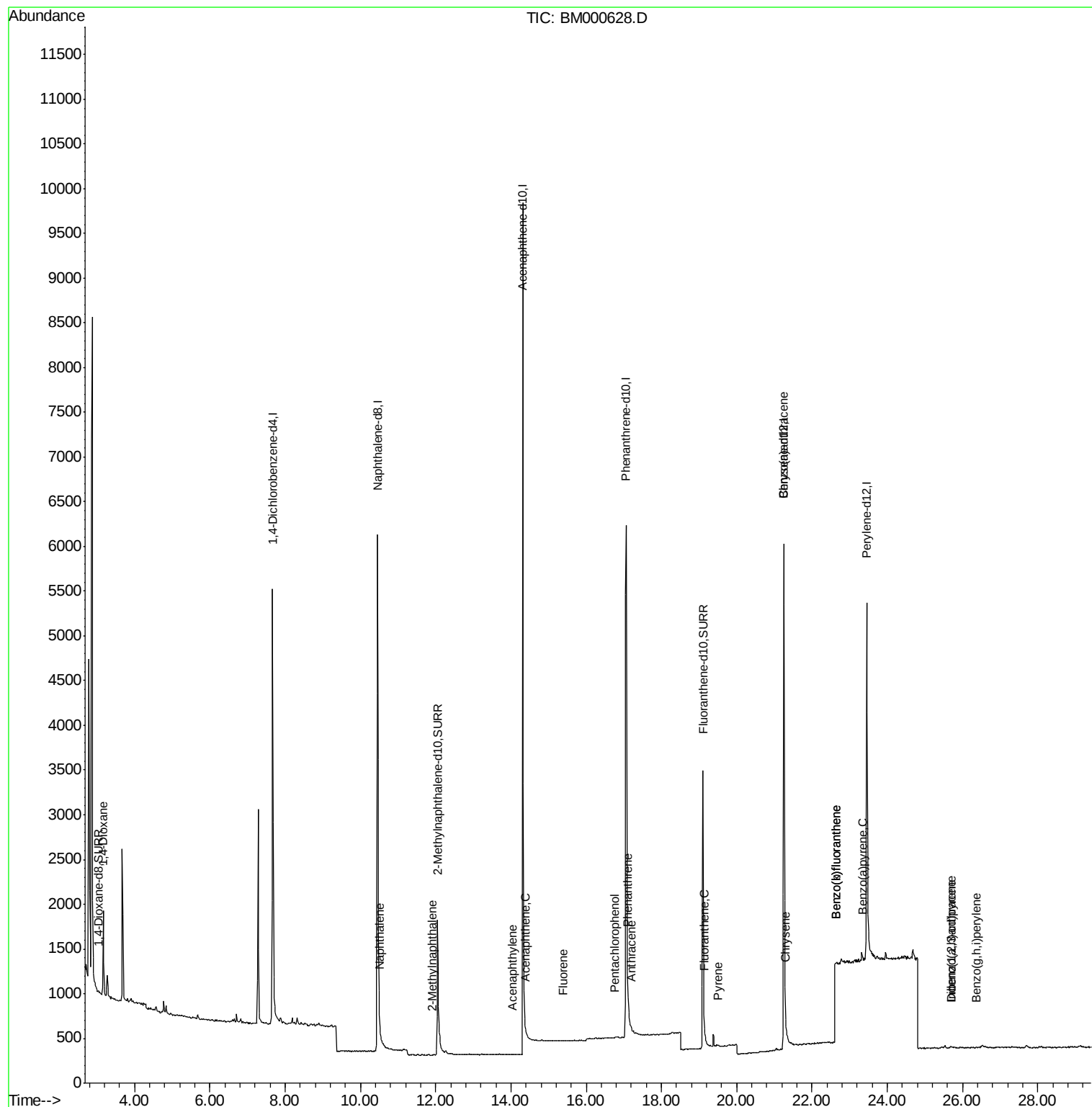
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.17	88	1278	0.41	ng/ul#	57
5) Naphthalene	10.50	128	20	0.00	ng/ul#	1
7) 2-Methylnaphthalene	11.90	142	1	0.00	ng/ul	88
9) Acenaphthylene	14.04	152	13	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	7	0.00	ng/ul#	74
11) Fluorene	15.40	166	12	0.00	ng/ul#	55
13) Pentachlorophenol	16.76	266	10	0.01	ng/ul#	1
14) Phenanthrene	17.10	178	56	0.00	ng/ul#	1
15) Anthracene	17.19	178	22	0.00	ng/ul#	1
17) Fluoranthene	19.12	202	30	0.00	ng/ul#	1
19) Pyrene	19.50	202	20	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.25	228	48	0.00	ng/ul#	1
21) Chrysene	21.29	228	33	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.64	252	719	0.03	ng/ul#	1
24) Benzo(k)fluoranthene	22.64	252	719	0.03	ng/ul#	1
25) Benzo(a)pyrene	23.35	252	47	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.71	276	31	0.00	ng/ul#	50
27) Dibenzo(a,h)anthracene	25.70	278	9	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.37	276	29	0.00	ng/ul#	1

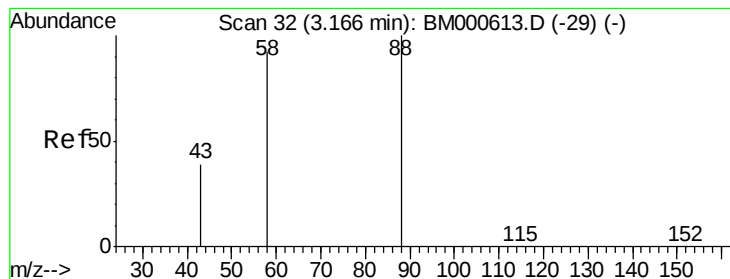
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.41 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000628.D

Acq: 28 Feb 2015 05:10

Instrument :

BNA_M

ClientSampleId :

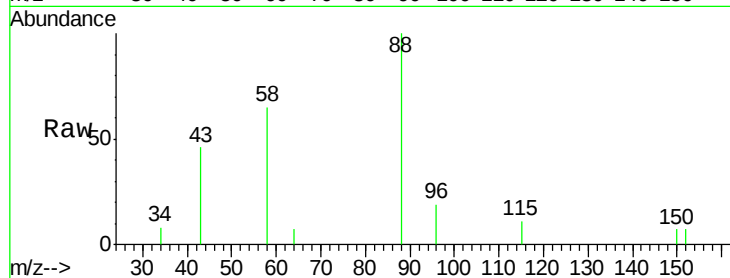
Tgt Ion: 88 Resp: 1278

Ion Ratio Lower Upper

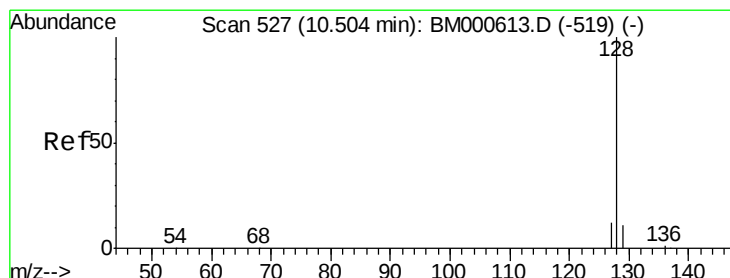
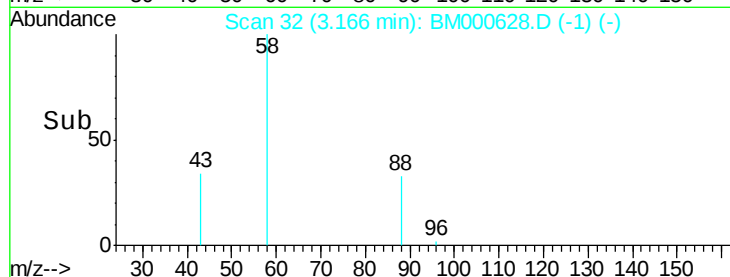
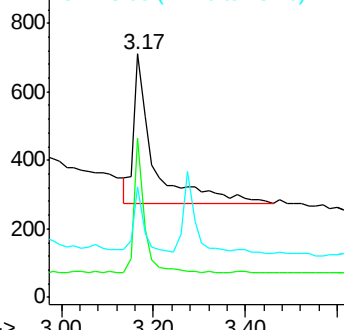
88 100

58 48.6 62.7 94.1#

43 0.0 28.8 43.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000628.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.00 min

Lab File: BM000628.D

Acq: 28 Feb 2015 05:10

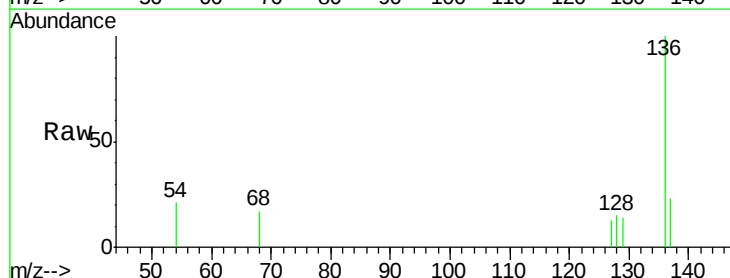
Tgt Ion: 128 Resp: 20

Ion Ratio Lower Upper

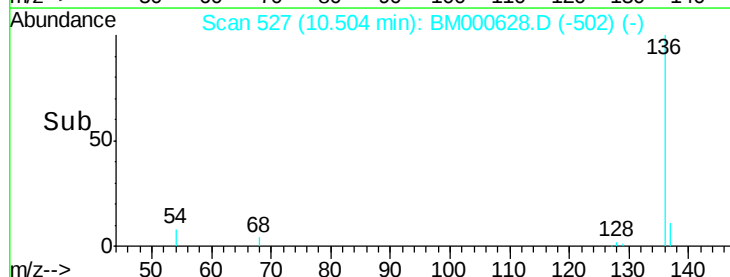
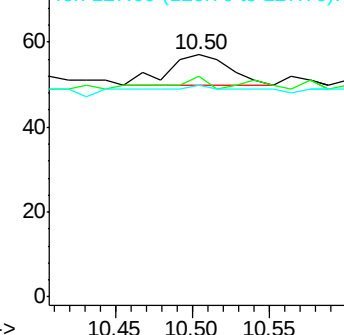
128 100

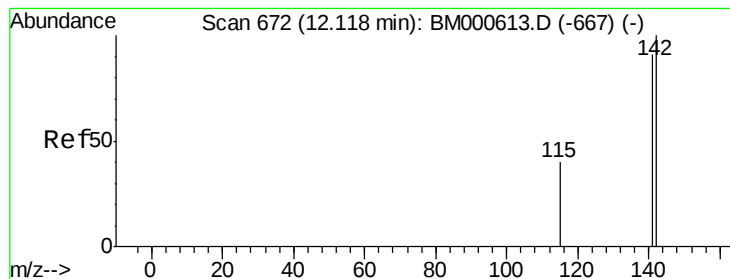
129 91.2 9.4 14.0#

127 87.7 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): BM000628.D (-502) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.90 min Scan# 651

Delta R.T. -0.22 min

Lab File: BM000628.D

Acq: 28 Feb 2015 05:10

Instrument :

BNA_M

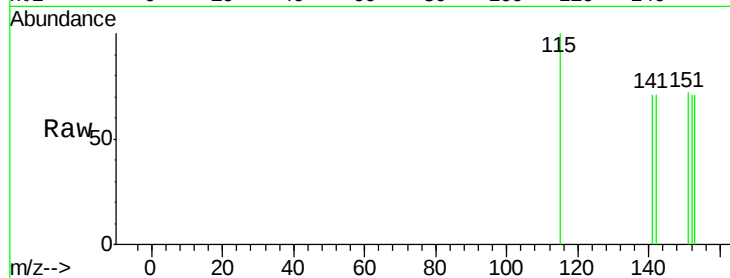
ClientSampleId :

Tgt Ion:142 Resp: 1

Ion Ratio Lower Upper

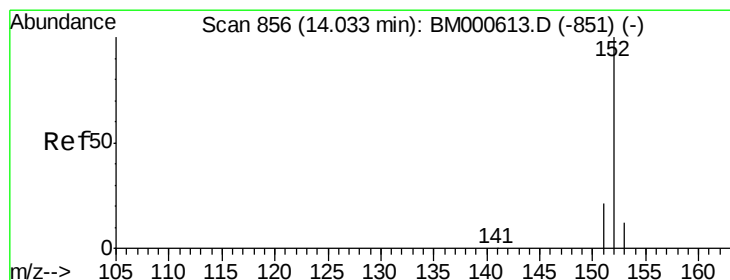
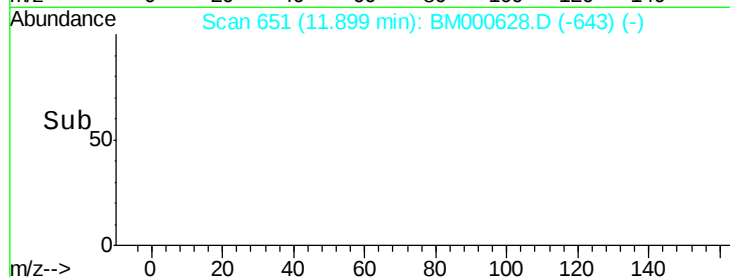
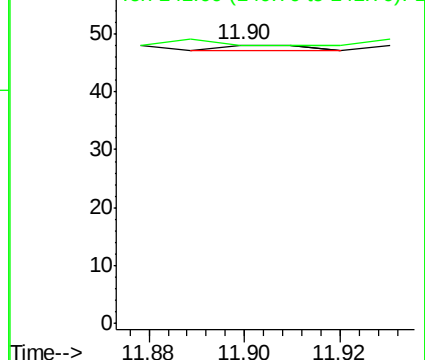
142 100

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: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000628.D

Acq: 28 Feb 2015 05:10

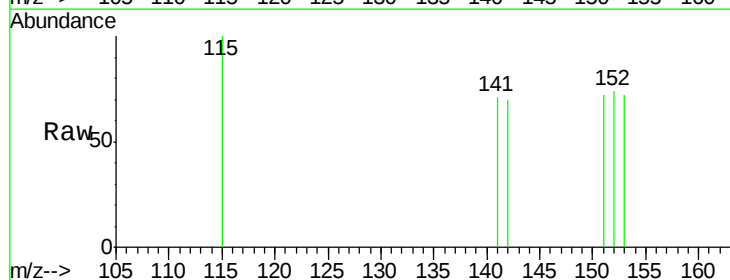
Tgt Ion:152 Resp: 13

Ion Ratio Lower Upper

152 100

151 98.0 17.0 25.6#

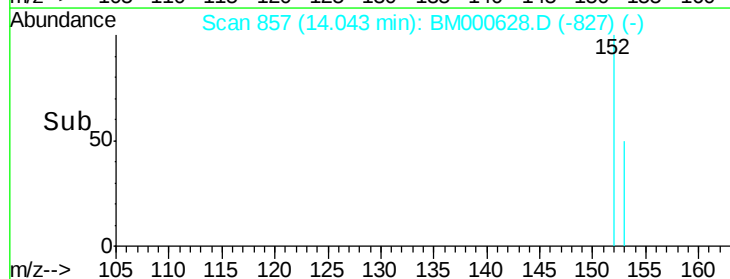
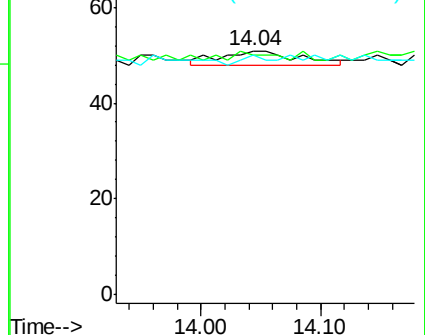
153 98.0 9.9 14.9#

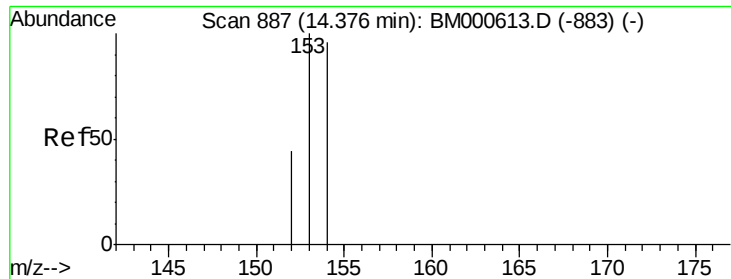


Abundance Ion 152.00 (151.70 to 152.70): E

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: 14.38 min Scan# 887

Delta R.T. 0.00 min

Lab File: BM000628.D

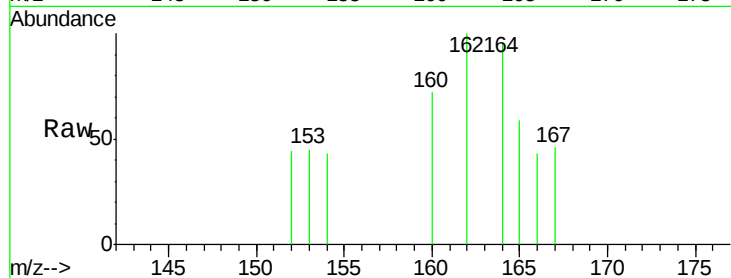
Acq: 28 Feb 2015 05:10

Instrument :

BNA_M

ClientSampleId :

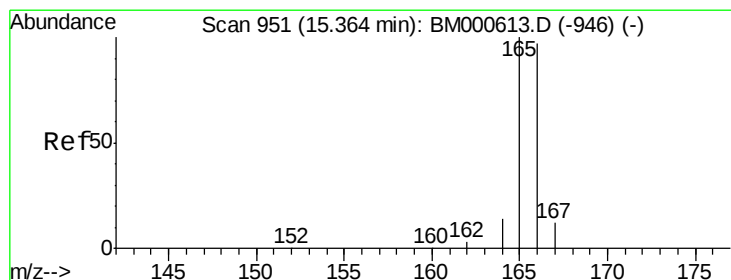
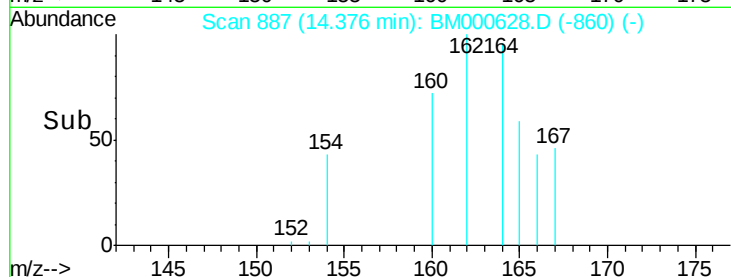
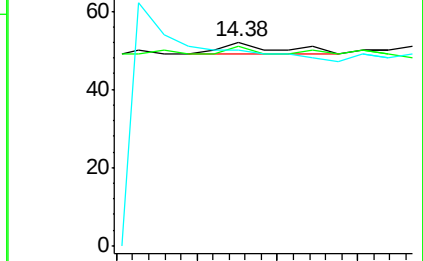
Tgt Ion:	153	Resp:	7
Ion	Ratio	Lower	Upper
153	100		
152	98.1	35.9	53.9#
154	96.2	76.9	115.3



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: 0.00 ng/ul

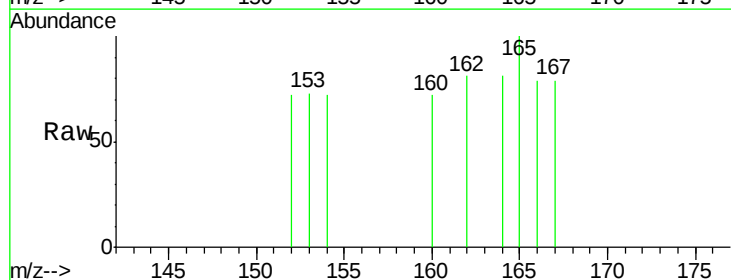
RT: 15.40 min Scan# 953

Delta R.T. 0.03 min

Lab File: BM000628.D

Acq: 28 Feb 2015 05:10

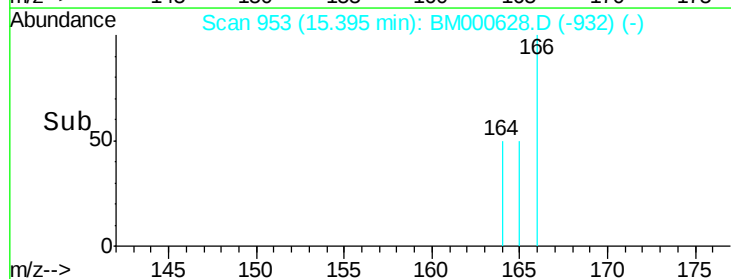
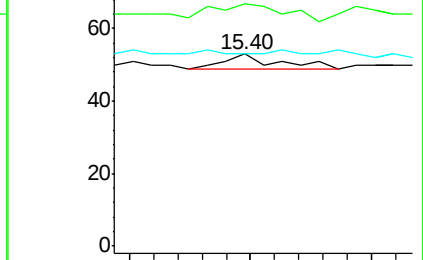
Tgt Ion:	166	Resp:	12
Ion	Ratio	Lower	Upper
166	100		
165	126.4	82.5	123.7#
167	100.0	10.6	16.0#

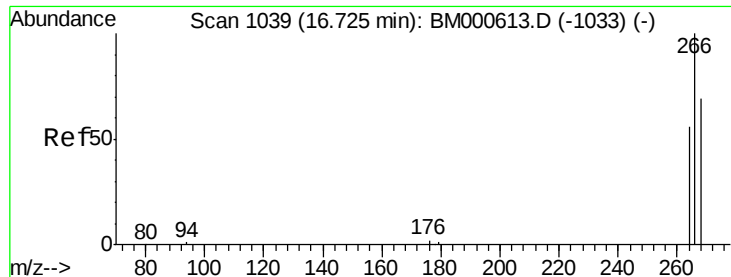


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

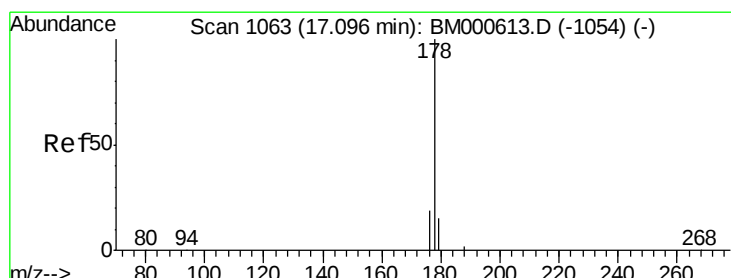
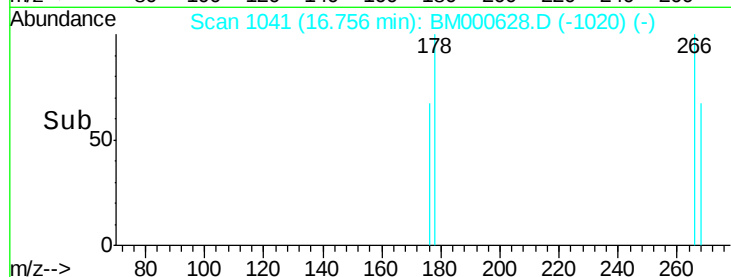
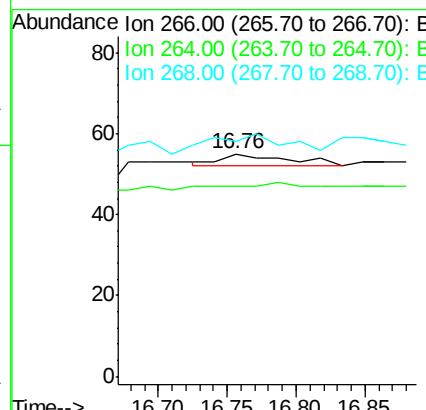
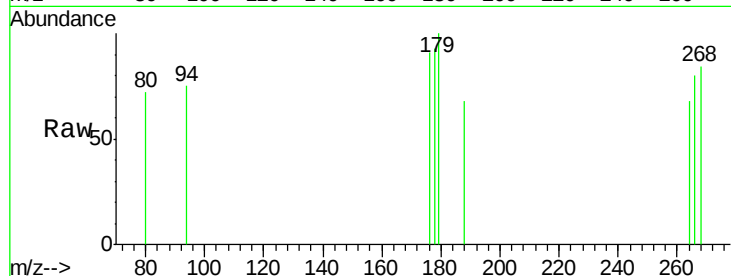




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.76 min Scan# 1041
 Delta R.T. 0.03 min
 Lab File: BM000628.D
 Acq: 28 Feb 2015 05:10

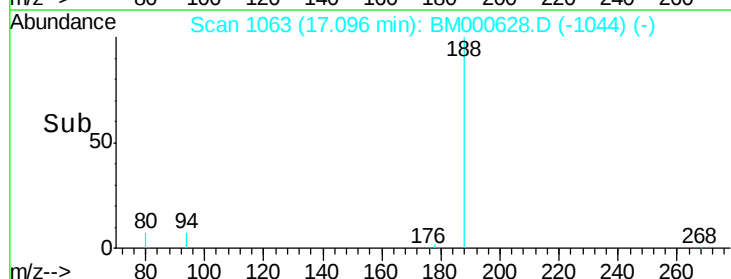
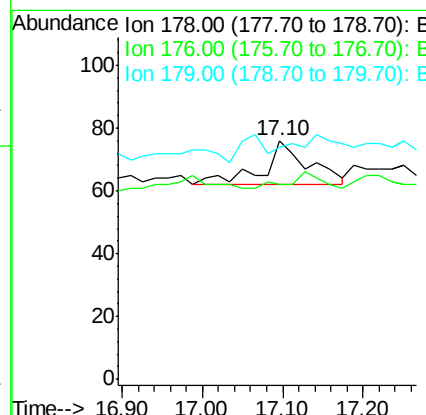
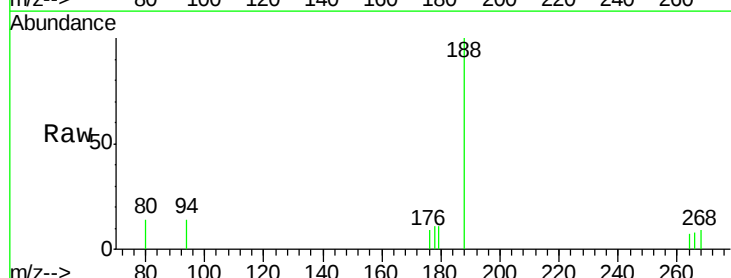
Instrument :
 BNA_M
 ClientSampleId :

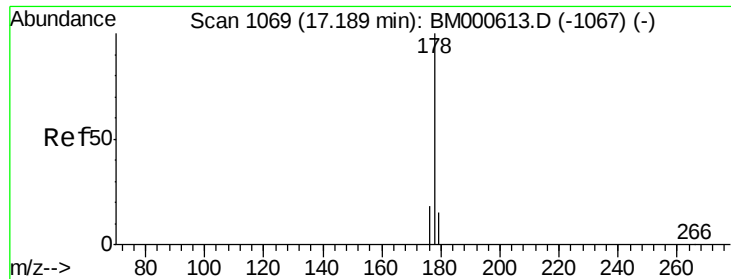
Tgt Ion: 266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.0 76.6#
 268 190.0 54.9 82.3#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000628.D
 Acq: 28 Feb 2015 05:10

Tgt Ion: 178 Resp: 56
 Ion Ratio Lower Upper
 178 100
 176 81.6 15.3 22.9#
 179 97.4 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: BM000628.D

Acq: 28 Feb 2015 05:10

Instrument :

BNA_M

ClientSampleId :

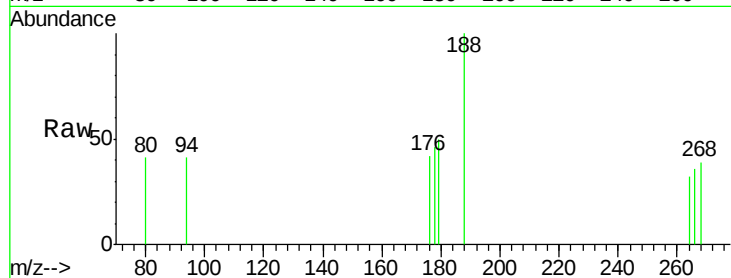
Tgt Ion:178 Resp: 22

Ion Ratio Lower Upper

178 100

176 92.6 14.6 22.0#

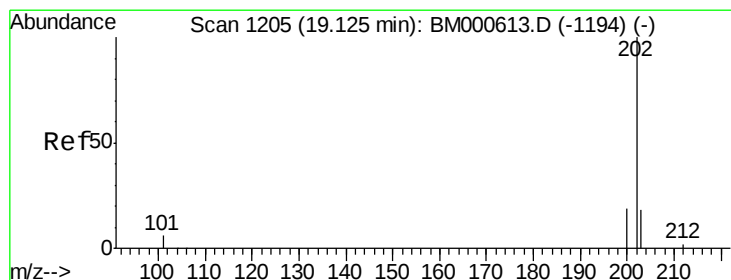
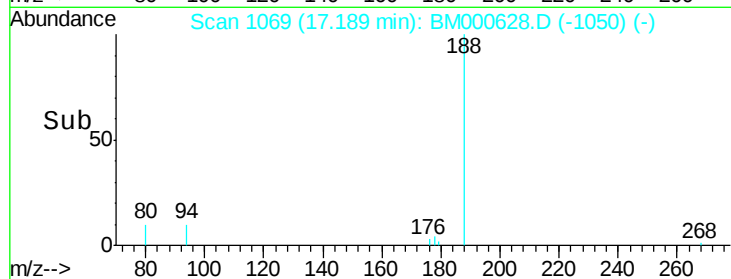
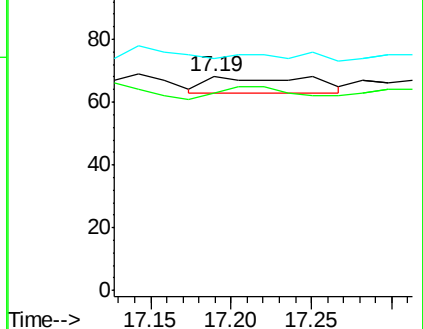
179 108.8 12.9 19.3#



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: BM000628.D

Acq: 28 Feb 2015 05:10

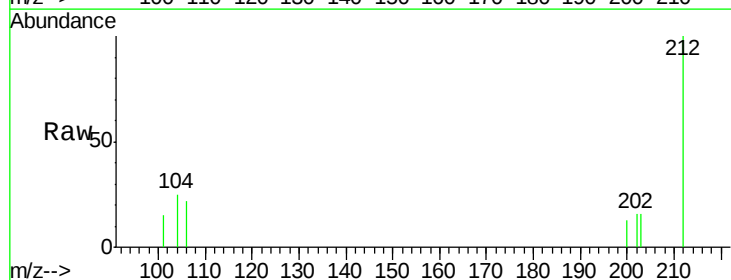
Tgt Ion:202 Resp: 30

Ion Ratio Lower Upper

202 100

101 96.5 0.0 26.2#

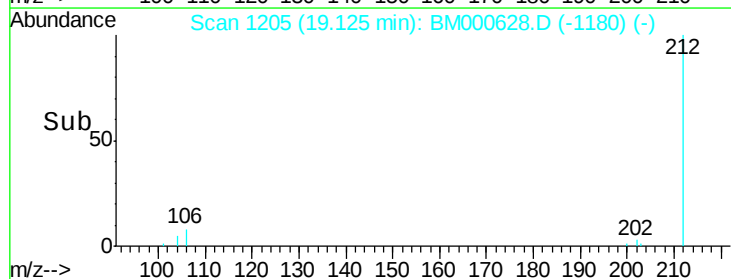
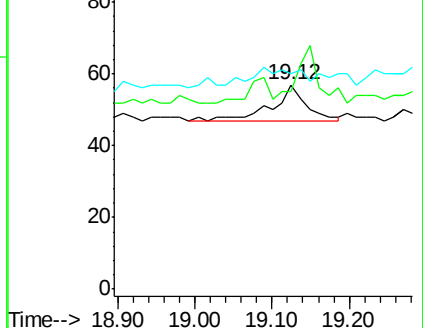
203 105.3 0.0 38.3#

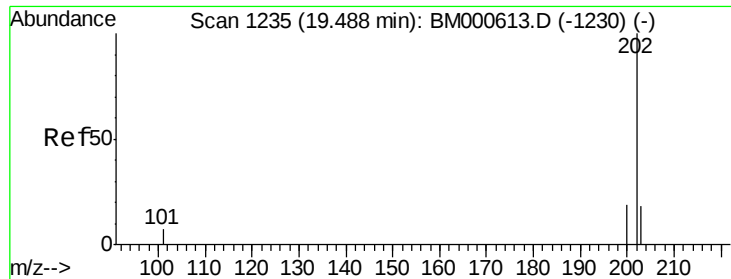


Abundance Ion 202.00 (201.70 to 202.70): E

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: 19.50 min Scan# 1236

Delta R.T. 0.01 min

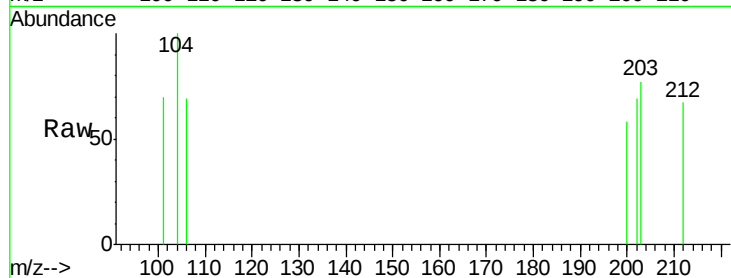
Lab File: BM000628.D

Acq: 28 Feb 2015 05:10

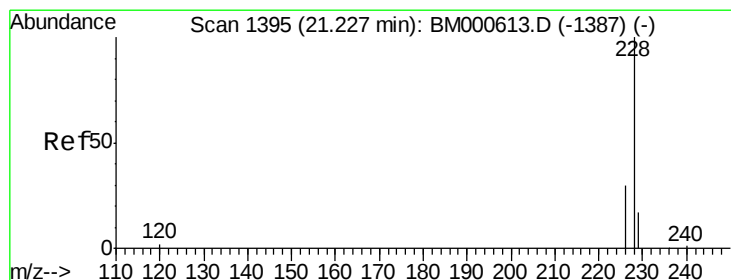
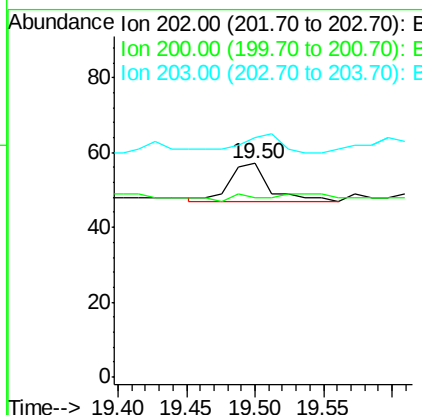
Instrument :

BNA_M

ClientSampled :



Tgt Ion:	202	Resp:	20
Ion	Ratio	Lower	Upper
202	100		
200	84.2	15.7	23.5#
203	112.3	14.8	22.2#



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

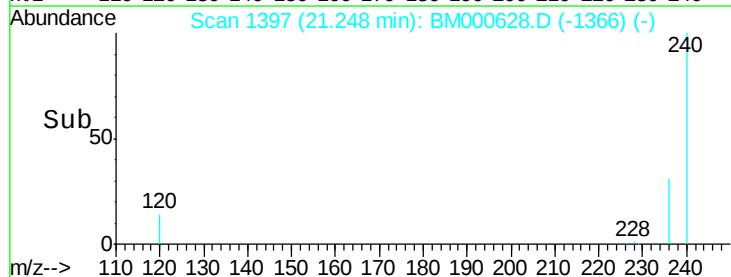
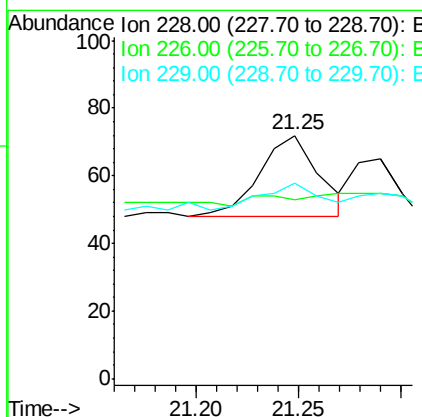
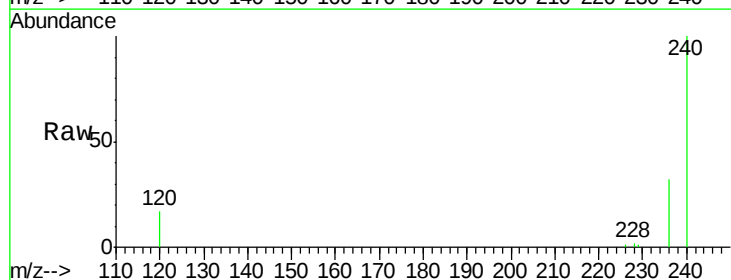
RT: 21.25 min Scan# 1397

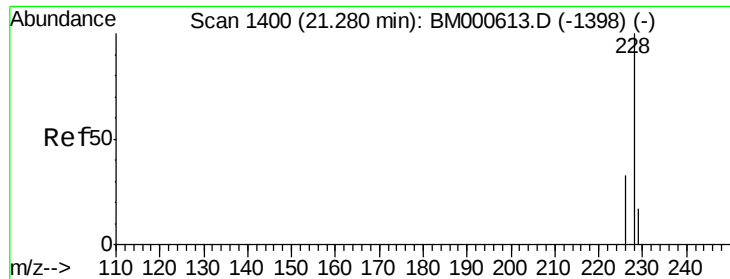
Delta R.T. 0.02 min

Lab File: BM000628.D

Acq: 28 Feb 2015 05:10

Tgt Ion:	228	Resp:	48
Ion	Ratio	Lower	Upper
228	100		
226	73.6	24.1	36.1#
229	80.6	14.2	21.4#





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. 0.01 min

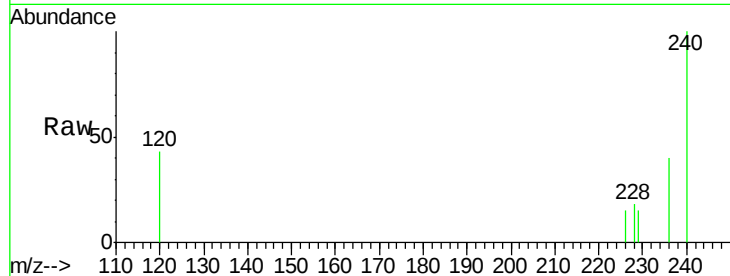
Lab File: BM000628.D

Acq: 28 Feb 2015 05:10

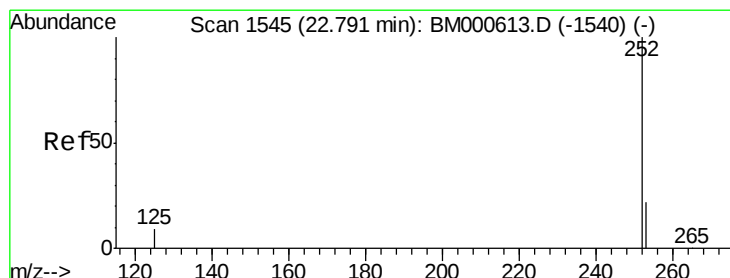
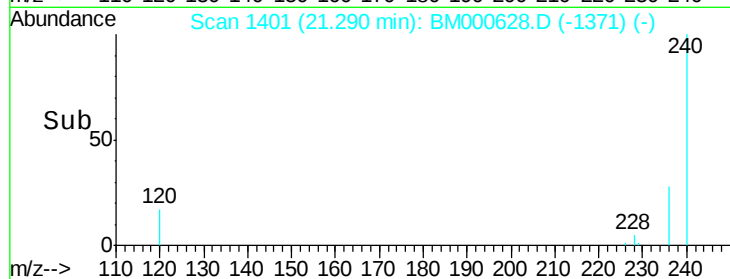
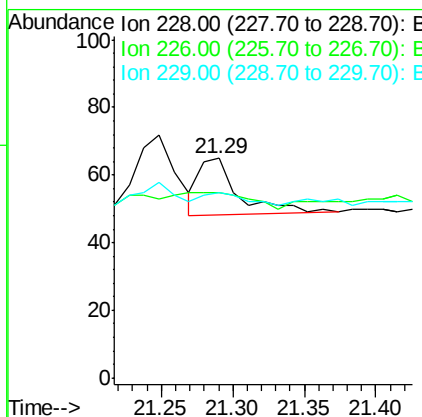
Instrument :

BNA_M

ClientSampleId :



Tgt Ion:	228	Resp:	33
Ion	Ratio	Lower	Upper
228	100		
226	84.6	26.5	39.7#
229	84.6	14.3	21.5#



#23

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

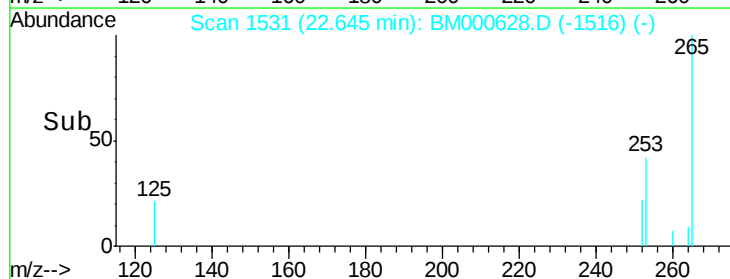
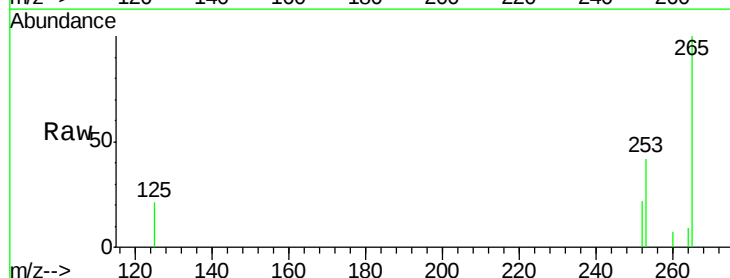
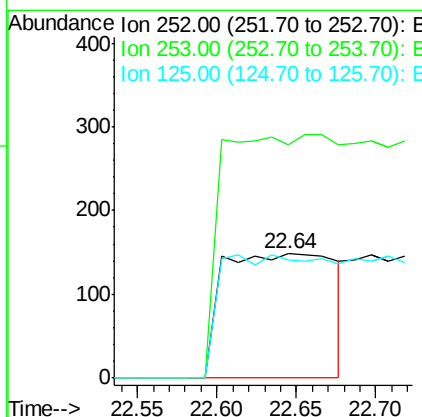
RT: 22.64 min Scan# 1531

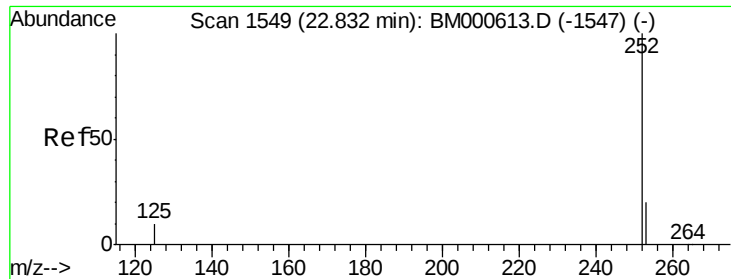
Delta R.T. -0.15 min

Lab File: BM000628.D

Acq: 28 Feb 2015 05:10

Tgt Ion:	252	Resp:	719
Ion	Ratio	Lower	Upper
252	100		
253	188.5	0.0	51.2#
125	95.3	0.0	22.8#





#24

Benzo(k)fluoranthene

Concen: 0.03 ng/u1

RT: 22.64 min Scan# 1531

Delta R.T. -0.19 min

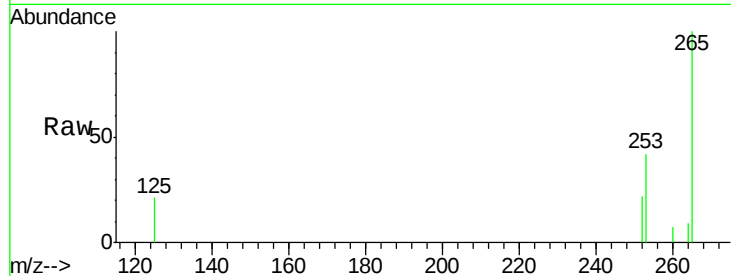
Lab File: BM000628.D

Acq: 28 Feb 2015 05:10

Instrument :

BNA_M

ClientSampleId :



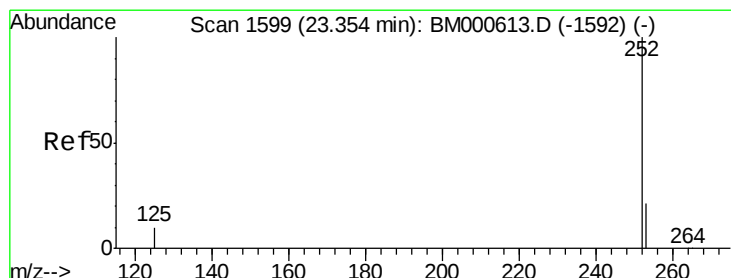
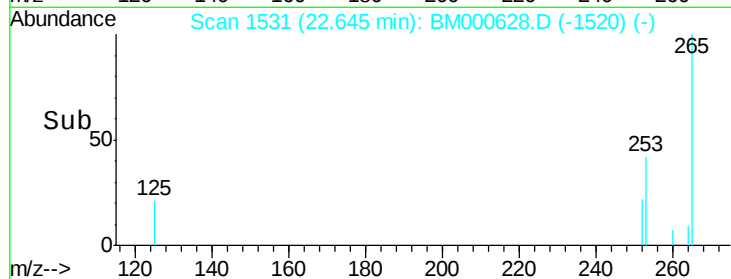
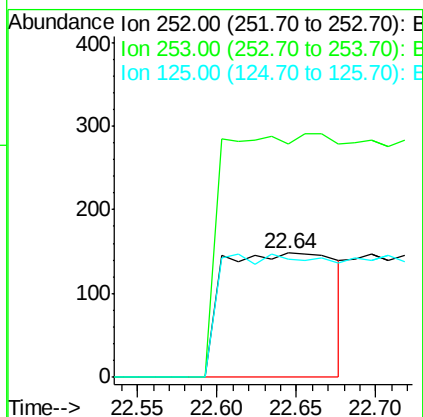
Tgt Ion: 252 Resp: 719

Ion Ratio Lower Upper

252 100

253 188.5 20.2 30.2#

125 95.3 9.6 14.4#



#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.35 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BM000628.D

Acq: 28 Feb 2015 05:10

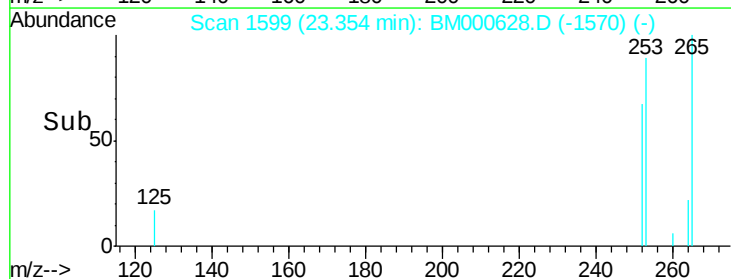
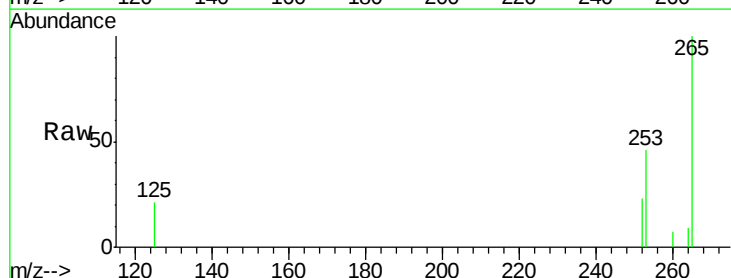
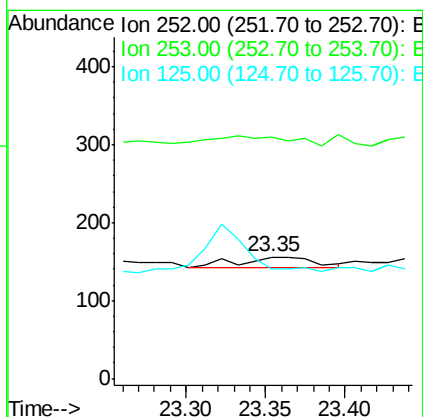
Tgt Ion: 252 Resp: 47

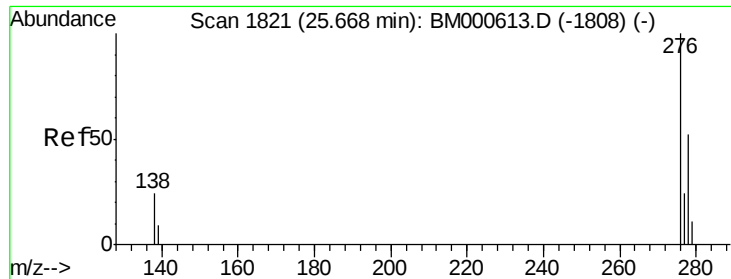
Ion Ratio Lower Upper

252 100

253 198.7 21.3 31.9#

125 90.4 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: BM000628.D

Acq: 28 Feb 2015 05:10

Instrument :

BNA_M

ClientSampleId :

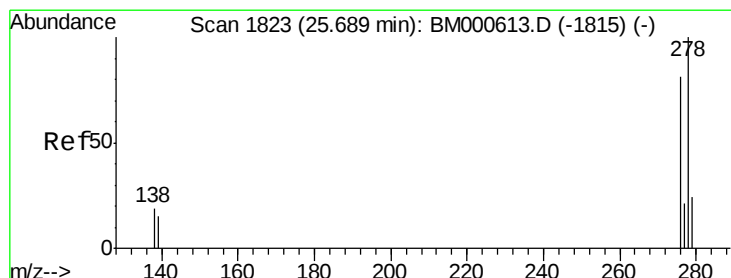
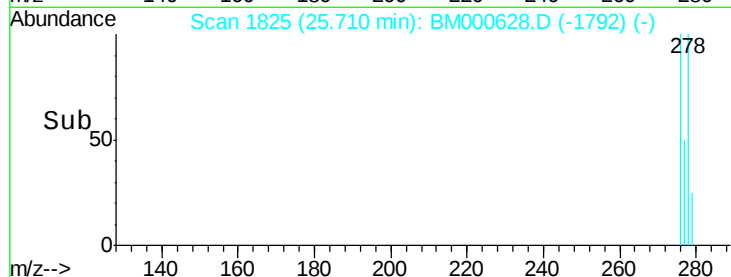
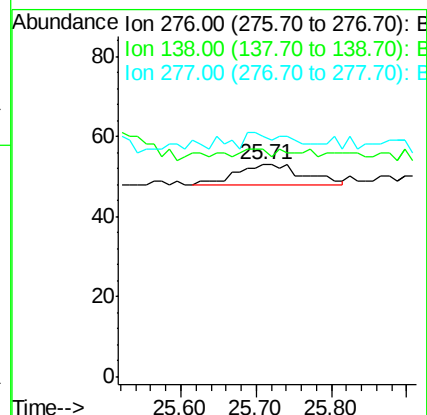
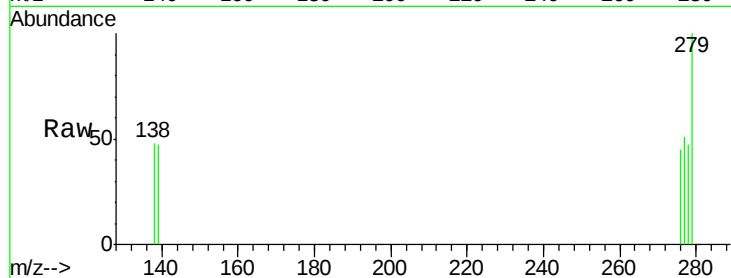
Tgt Ion: 276 Resp: 31

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

277 0.0 19.9 29.9#



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.70 min Scan# 1824

Delta R.T. 0.01 min

Lab File: BM000628.D

Acq: 28 Feb 2015 05:10

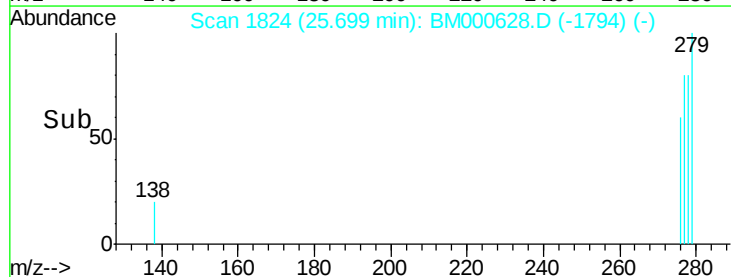
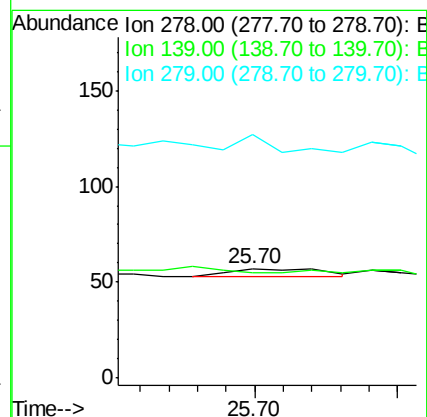
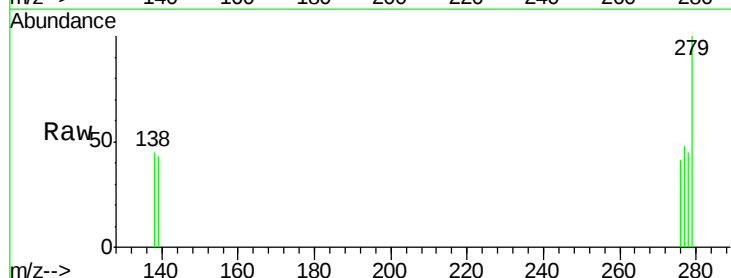
Tgt Ion: 278 Resp: 9

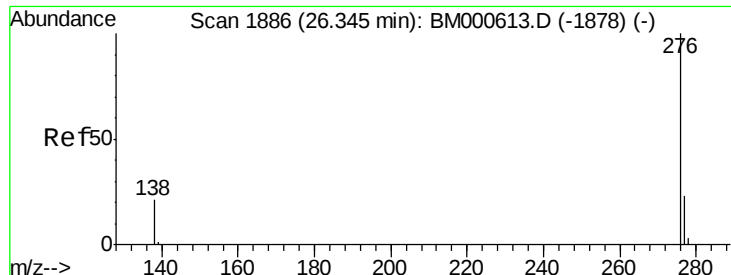
Ion Ratio Lower Upper

278 100

139 96.5 13.3 19.9#

279 222.8 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

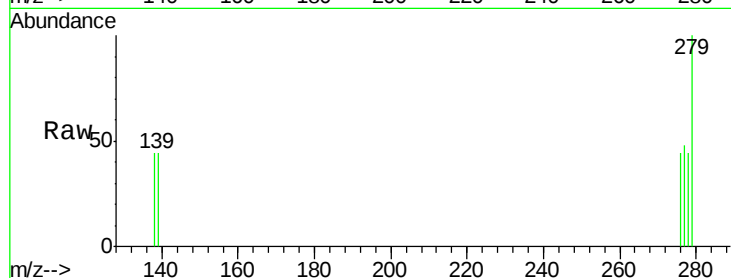
Lab File: BM000628.D

Acq: 28 Feb 2015 05:10

Instrument :

BNA_M

ClientSampleId :



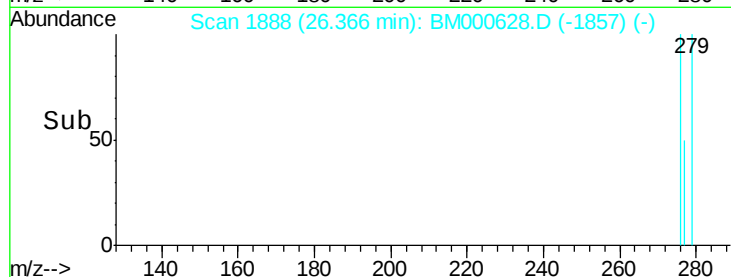
Tgt Ion: 276 Resp: 29

Ion Ratio Lower Upper

276 100

277 111.1 19.8 29.8#

138 101.9 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

