

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022715\
 Data File : BM000627.D
 Acq On : 28 Feb 2015 04:34
 Operator : TP/IZ
 Sample : MDL-02-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 28 05:59:38 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	3083	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	10308	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	5231	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	10568	0.40	ng/ul	0.00
18) Chrysene-d12	21.26	240	7283	0.40	ng/ul	0.01
22) Perylene-d12	23.46	264	6306	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.09	96	45	0.02	ng/uL	-0.05
6) 2-Methylnaphthalene-d10	12.06	152	2800	0.23	ng/ul	0.01
16) Fluoranthene-d10	19.10	212	4586	0.24	ng/ul	0.01

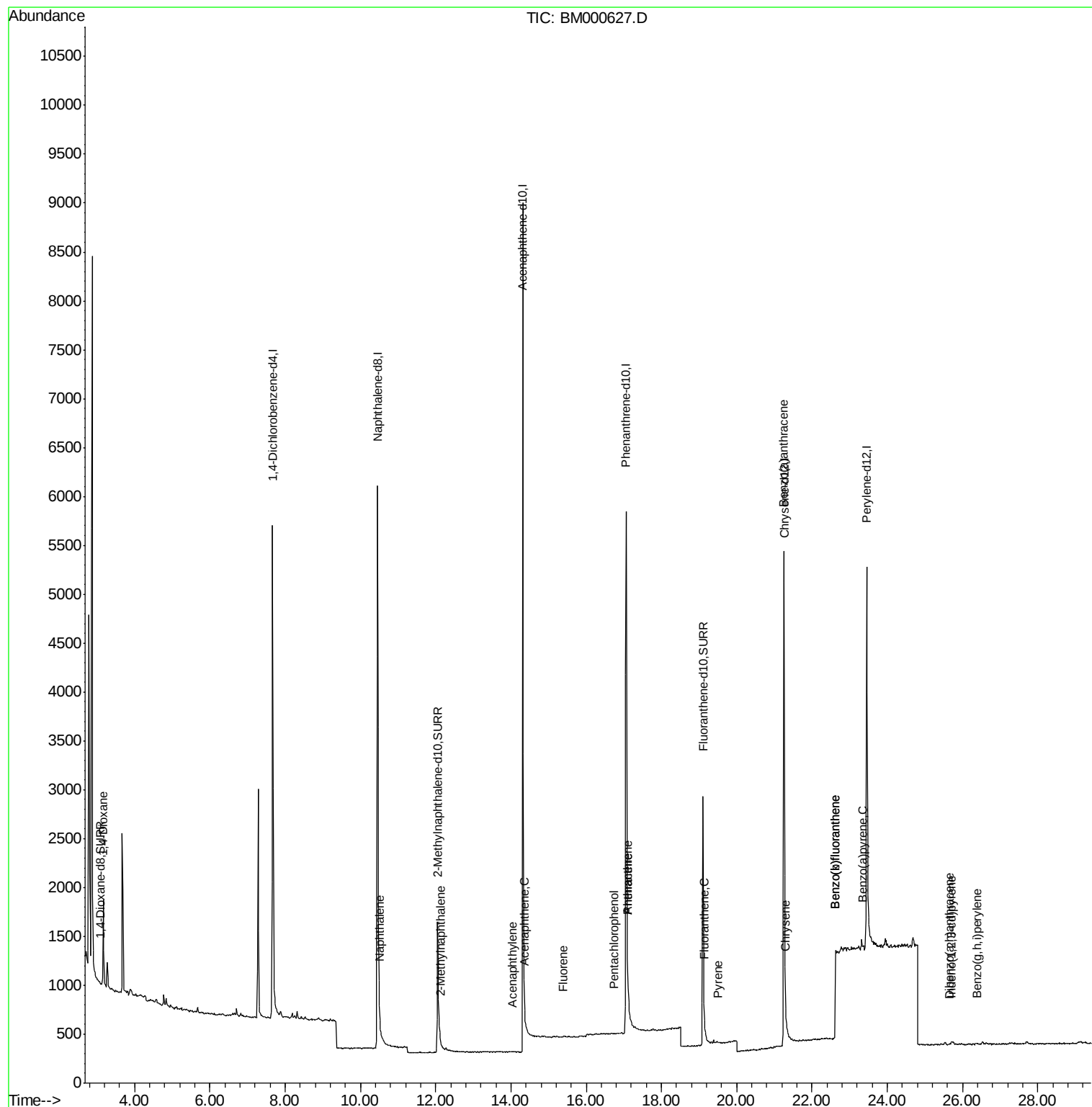
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.17	88	1691	0.53	ng/ul#	44
5) Naphthalene	10.50	128	19	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.13	142	7	0.00	ng/ul#	27
9) Acenaphthylene	14.04	152	6	0.00	ng/ul#	1
10) Acenaphthene	14.36	153	5	0.00	ng/ul#	70
11) Fluorene	15.40	166	14	0.00	ng/ul#	53
13) Pentachlorophenol	16.72	266	8	0.01	ng/ul#	17
14) Phenanthrene	17.10	178	68	0.00	ng/ul#	1
15) Anthracene	17.10	178	68	0.00	ng/ul#	1
17) Fluoranthene	19.12	202	29	0.00	ng/ul#	1
19) Pyrene	19.50	202	19	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.25	228	43	0.00	ng/ul#	1
21) Chrysene	21.29	228	32	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.60	252	447	0.02	ng/ul#	1
24) Benzo(k)fluoranthene	22.60	252	447	0.02	ng/ul#	1
25) Benzo(a)pyrene	23.35	252	38	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.70	276	33	0.00	ng/ul#	60
27) Dibenzo(a,h)anthracene	25.65	278	8	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.38	276	29	0.00	ng/ul#	1

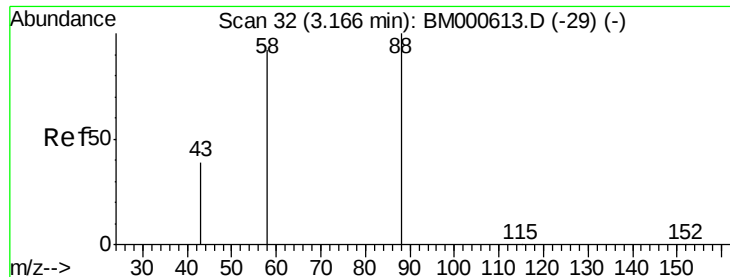
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.53 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000627.D

Acq: 28 Feb 2015 04:34

Instrument :

BNA_M

ClientSampleId :

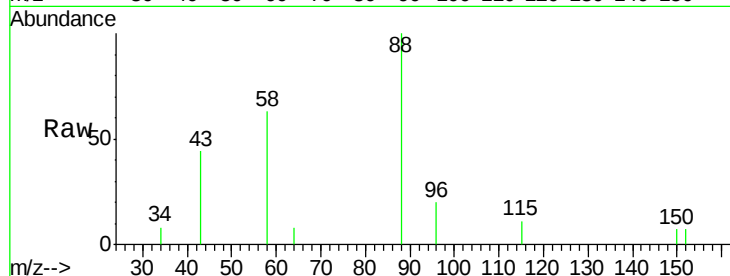
Tgt Ion: 88 Resp: 1691

Ion Ratio Lower Upper

88 100

58 31.4 62.7 94.1#

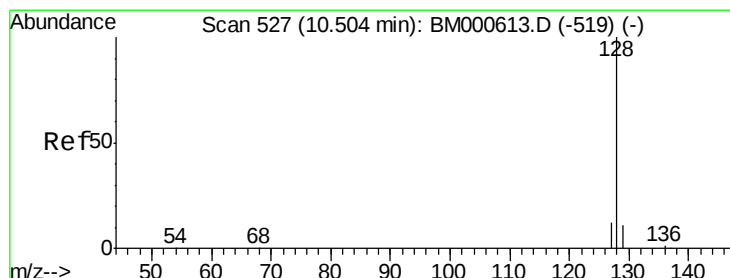
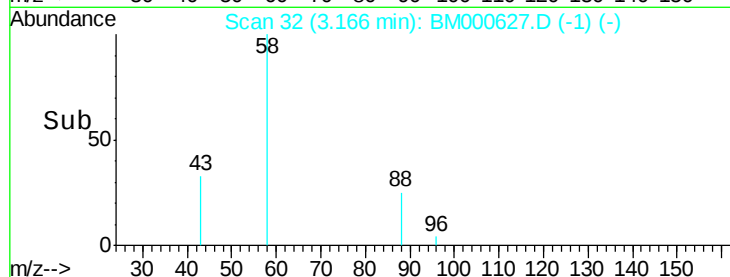
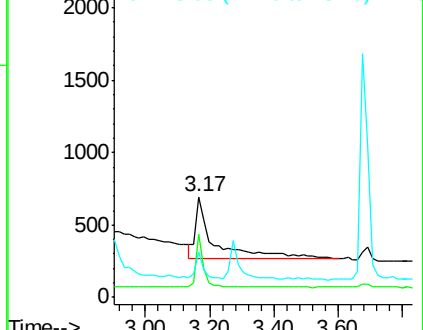
43 0.0 28.8 43.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000627.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM000627.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM000627.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.00 min

Lab File: BM000627.D

Acq: 28 Feb 2015 04:34

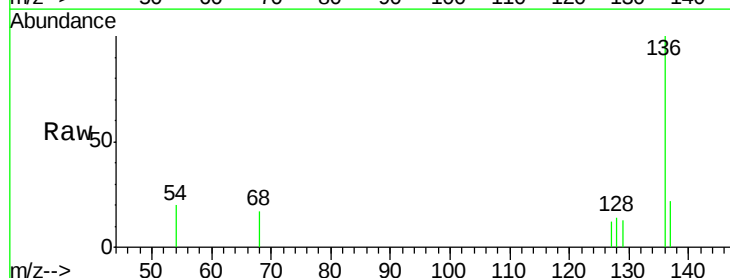
Tgt Ion: 128 Resp: 19

Ion Ratio Lower Upper

128 100

129 90.9 9.4 14.0#

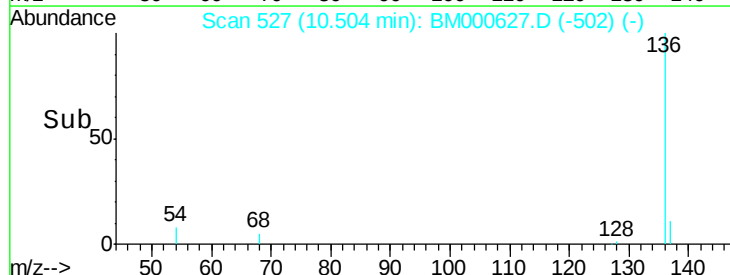
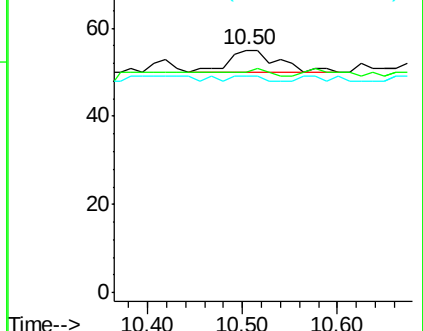
127 89.1 10.0 15.0#

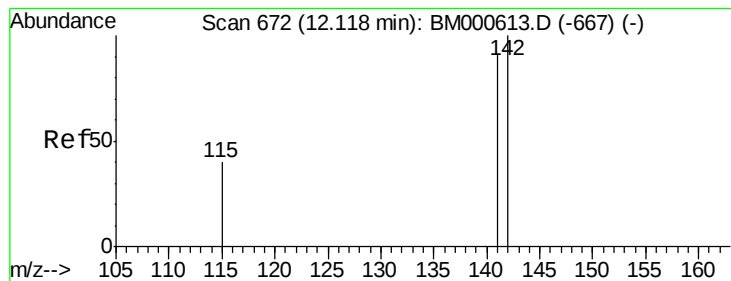


Abundance Ion 128.00 (127.70 to 128.70): BM000627.D (-502) (-)

Ion 129.00 (128.70 to 129.70): BM000627.D (-502) (-)

Ion 127.00 (126.70 to 127.70): BM000627.D (-502) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.13 min Scan# 673

Delta R.T. 0.01 min

Lab File: BM000627.D

Acq: 28 Feb 2015 04:34

Instrument :

BNA_M

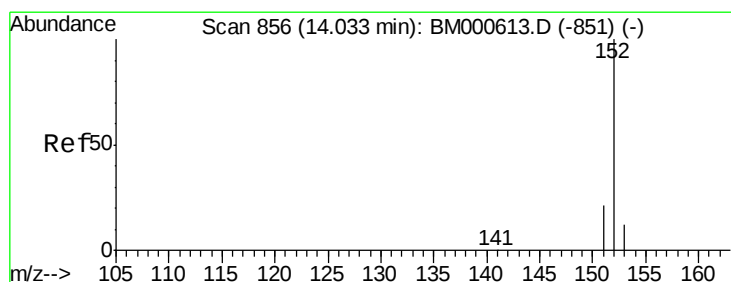
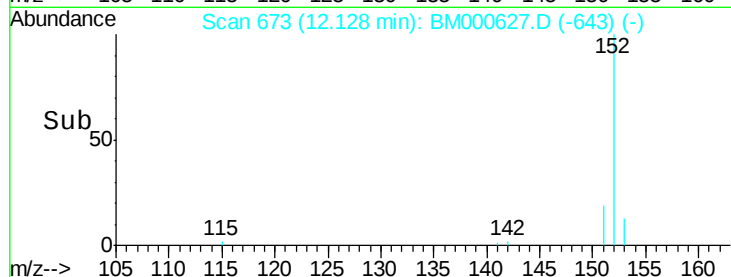
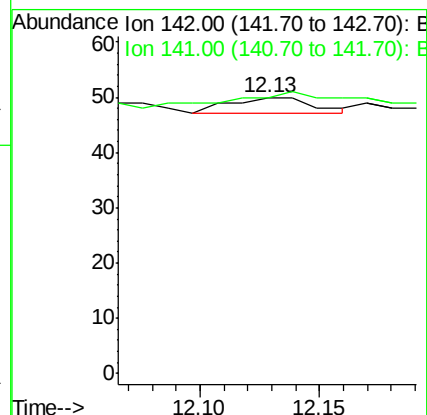
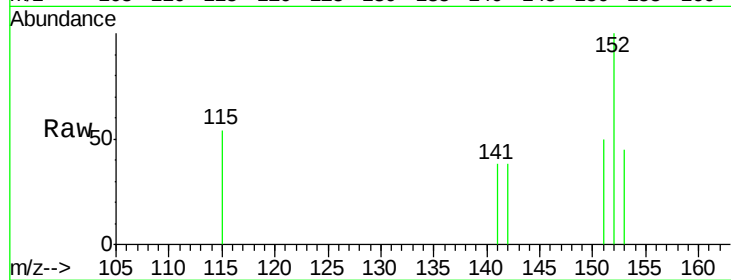
ClientSampled :

Tgt Ion:142 Resp: 7

Ion Ratio Lower Upper

142 100

141 157.1 71.2 106.8#



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000627.D

Acq: 28 Feb 2015 04:34

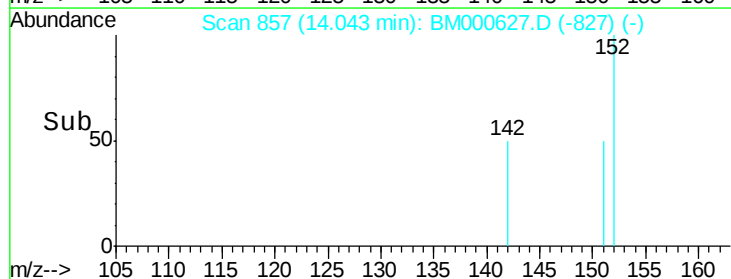
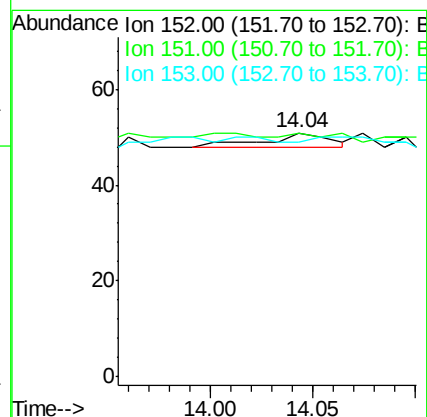
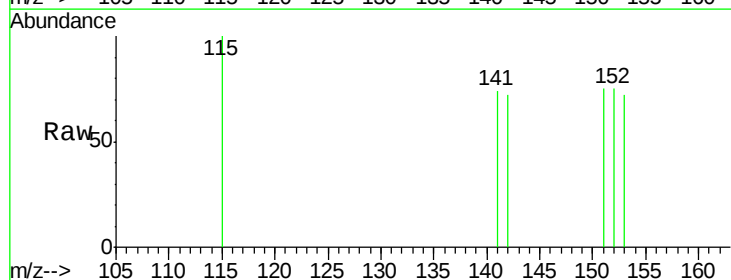
Tgt Ion:152 Resp: 6

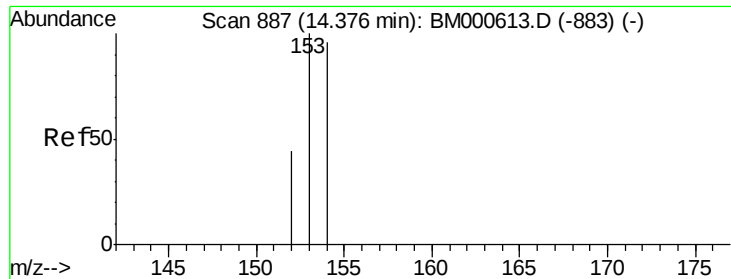
Ion Ratio Lower Upper

152 100

151 100.0 17.0 25.6#

153 96.1 9.9 14.9#





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. -0.02 min

Lab File: BM000627.D

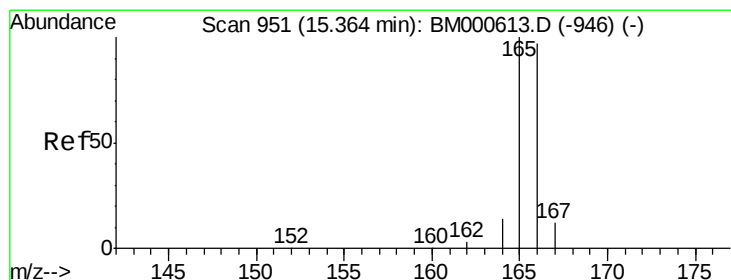
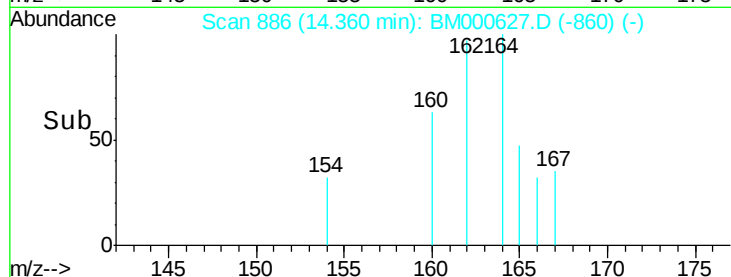
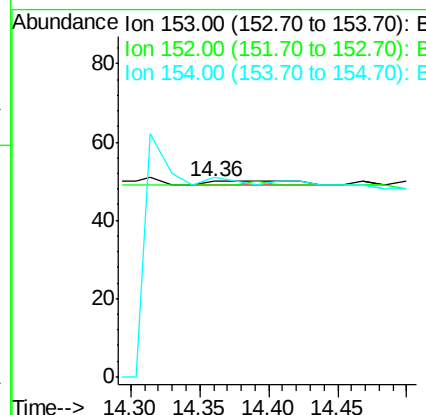
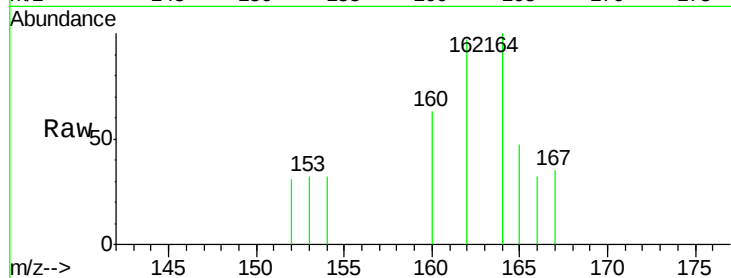
Acq: 28 Feb 2015 04:34

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	153	Resp:	5
Ion	Ratio	Lower	Upper
153	100		
152	98.0	35.9	53.9#
154	102.0	76.9	115.3



#11

Fluorene

Concen: 0.00 ng/ul

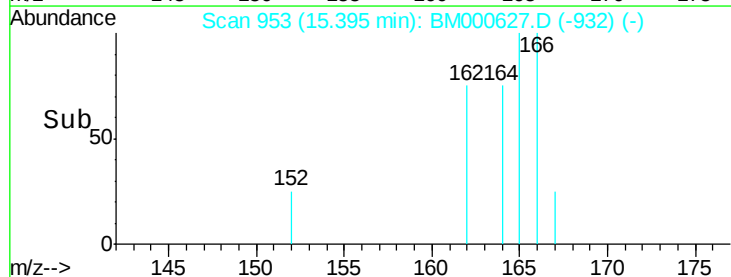
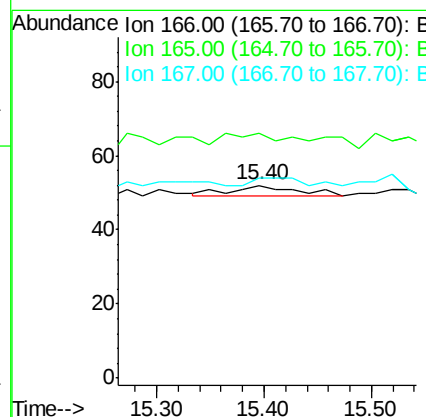
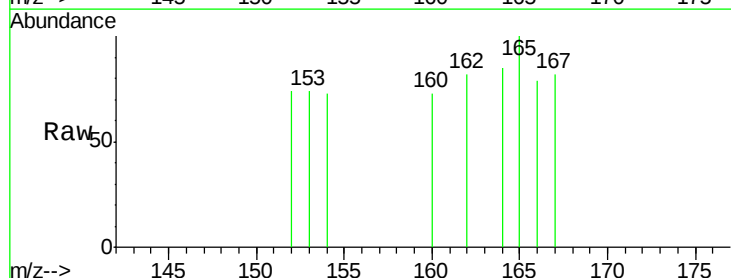
RT: 15.40 min Scan# 953

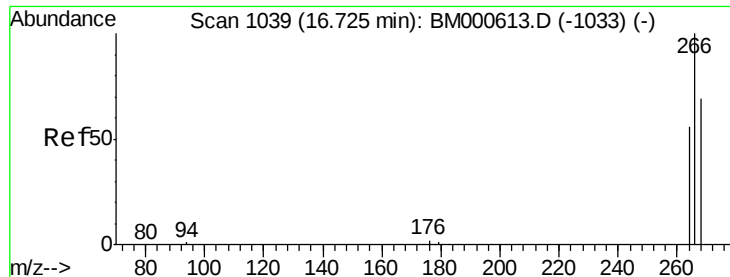
Delta R.T. 0.03 min

Lab File: BM000627.D

Acq: 28 Feb 2015 04:34

Tgt Ion:	166	Resp:	14
Ion	Ratio	Lower	Upper
166	100		
165	126.9	82.5	123.7#
167	103.8	10.6	16.0#

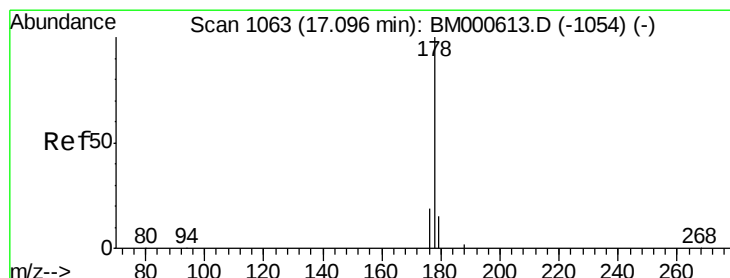
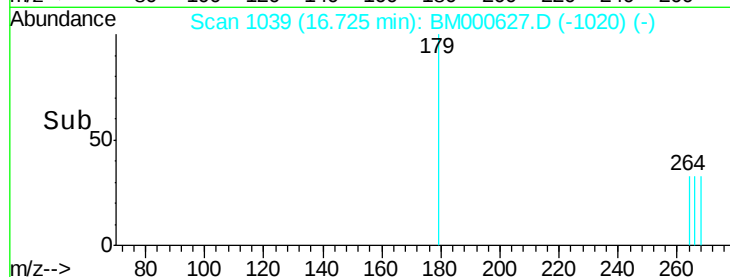
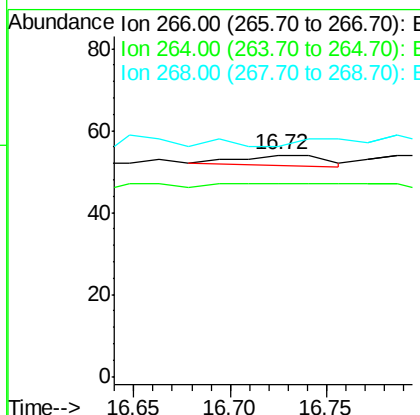
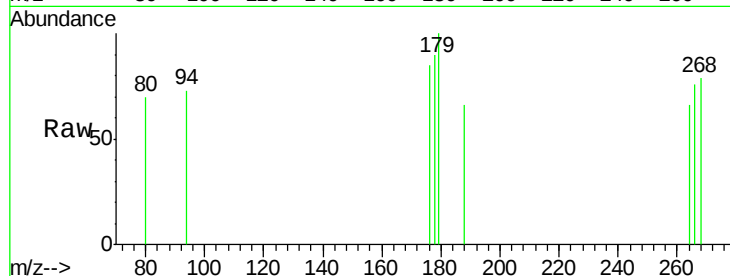




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.72 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BM000627.D
 Acq: 28 Feb 2015 04:34

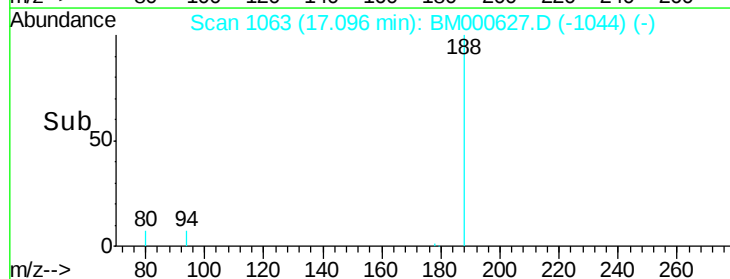
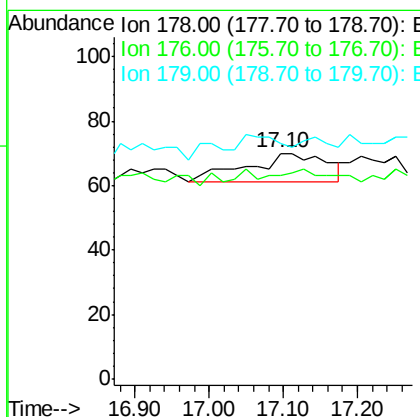
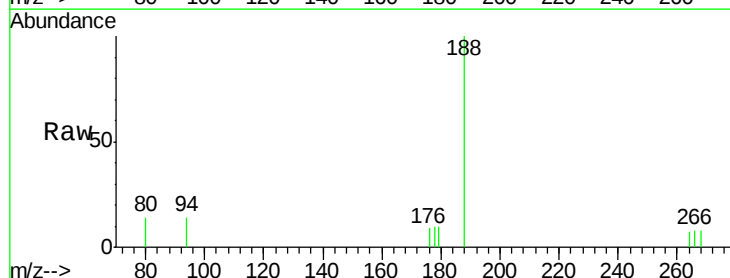
Instrument :
 BNA_M
 ClientSampleId :

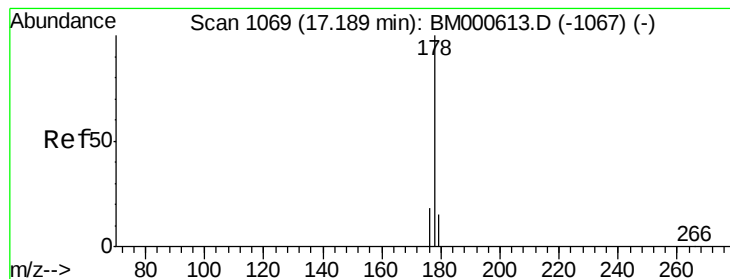
Tgt Ion: 266 Resp: 8
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.0 76.6#
 268 0.0 54.9 82.3#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000627.D
 Acq: 28 Feb 2015 04:34

Tgt Ion: 178 Resp: 68
 Ion Ratio Lower Upper
 178 100
 176 90.0 15.3 22.9#
 179 104.3 12.2 18.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.10 min Scan# 1063

Delta R.T. -0.09 min

Lab File: BM000627.D

Acq: 28 Feb 2015 04:34

Instrument :

BNA_M

ClientSampleId :

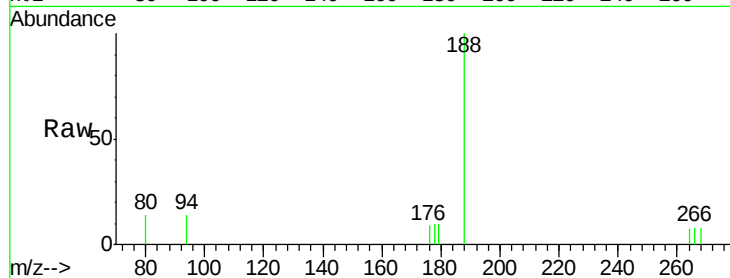
Tgt Ion:178 Resp: 68

Ion Ratio Lower Upper

178 100

176 90.0 14.6 22.0#

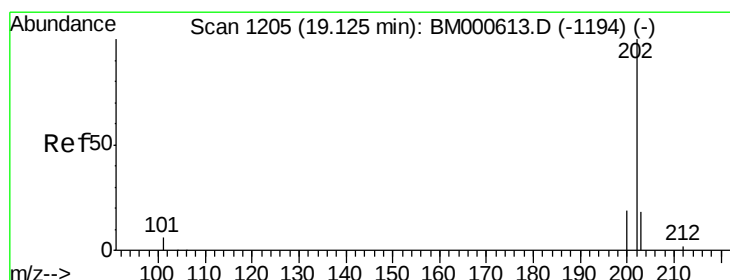
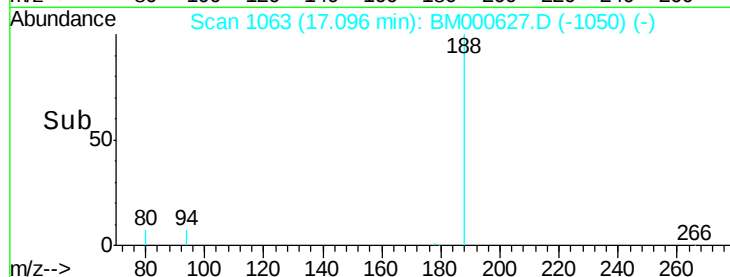
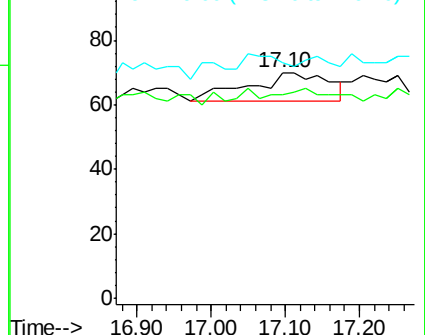
179 104.3 12.9 19.3#



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: BM000627.D

Acq: 28 Feb 2015 04:34

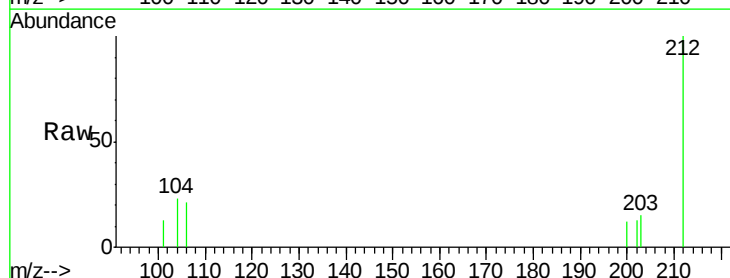
Tgt Ion:202 Resp: 29

Ion Ratio Lower Upper

202 100

101 100.0 0.0 26.2#

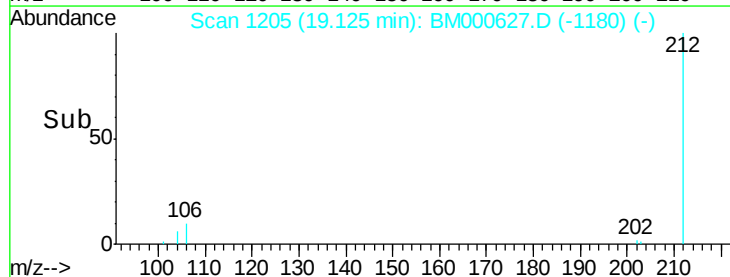
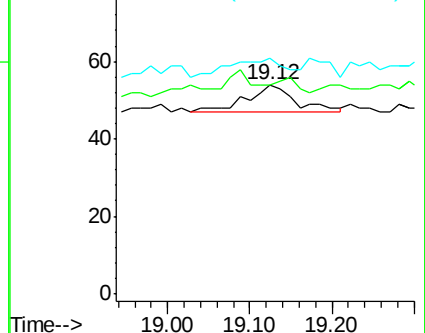
203 113.0 0.0 38.3#

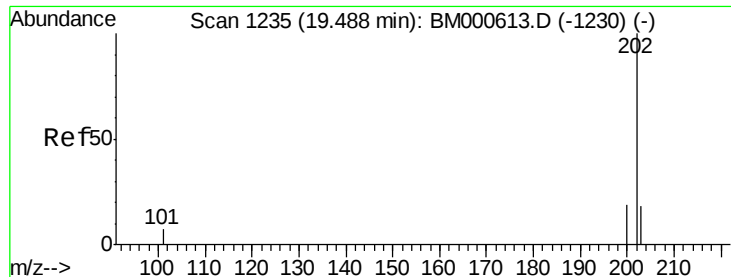


Abundance Ion 202.00 (201.70 to 202.70): E

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

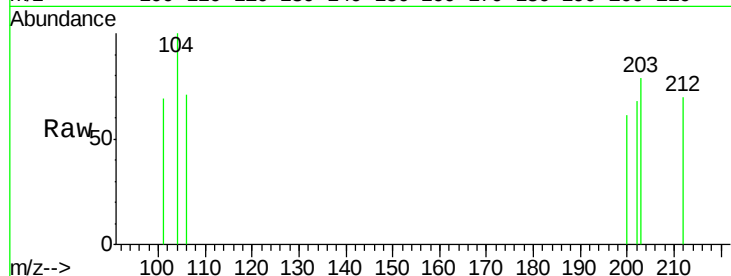
Lab File: BM000627.D

Acq: 28 Feb 2015 04:34

Instrument :

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ClientSampleId :



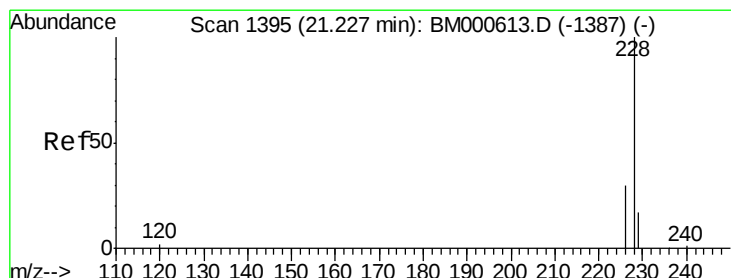
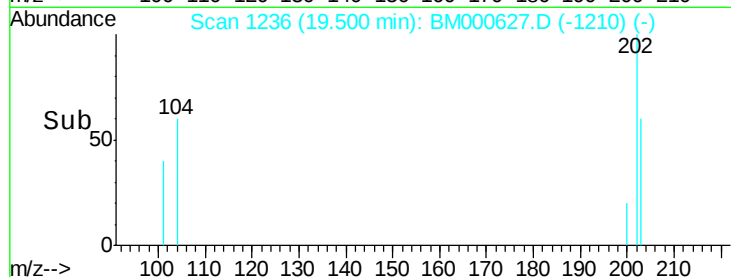
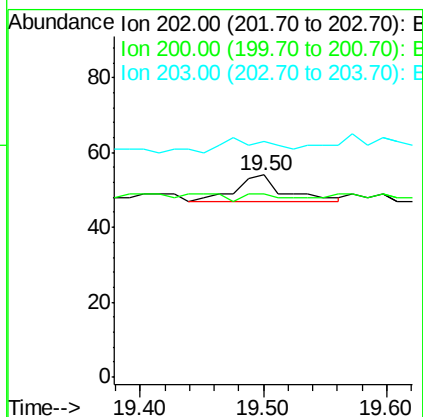
Tgt Ion: 202 Resp: 19

Ion Ratio Lower Upper

202 100

200 90.7 15.7 23.5#

203 116.7 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: BM000627.D

Acq: 28 Feb 2015 04:34

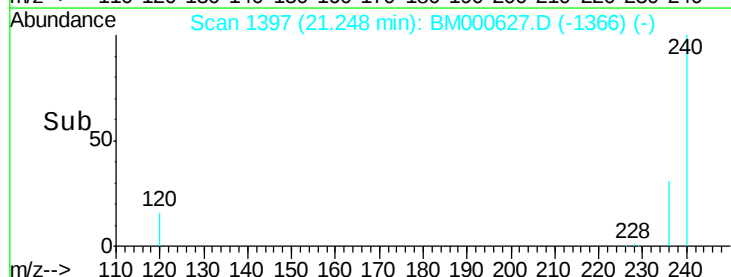
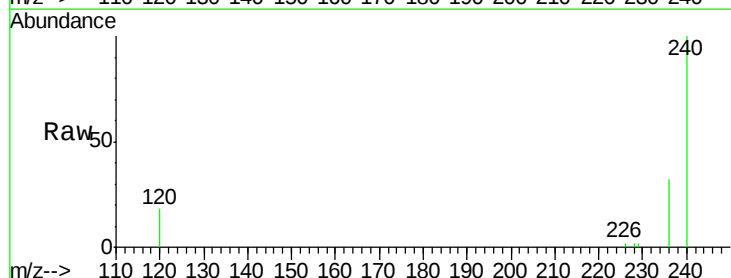
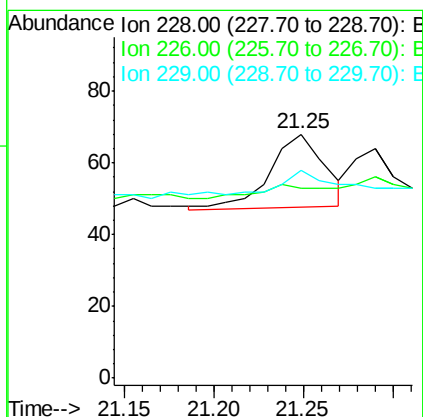
Tgt Ion: 228 Resp: 43

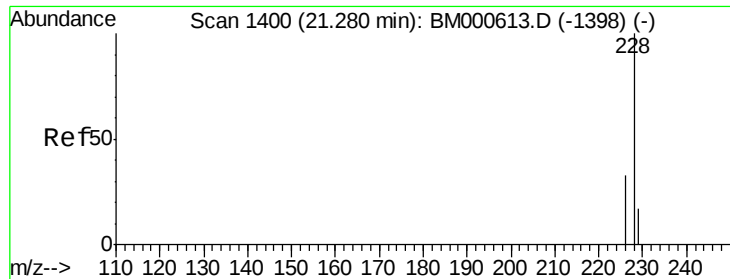
Ion Ratio Lower Upper

228 100

226 77.9 24.1 36.1#

229 85.3 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: BM000627.D

Acq: 28 Feb 2015 04:34

Instrument :

BNA_M

ClientSampleId :

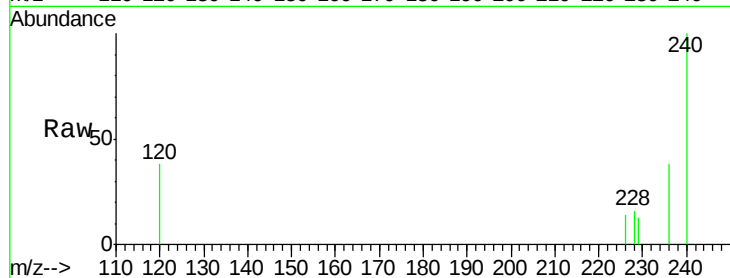
Tgt Ion:228 Resp: 32

Ion Ratio Lower Upper

228 100

226 87.5 26.5 39.7#

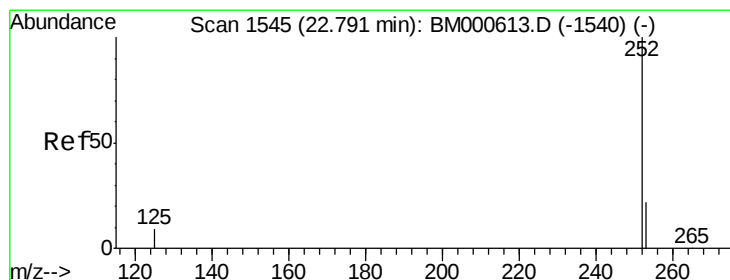
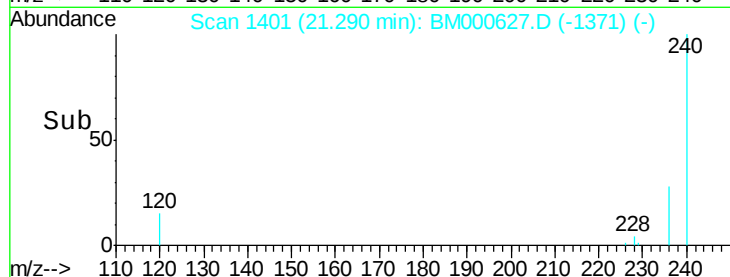
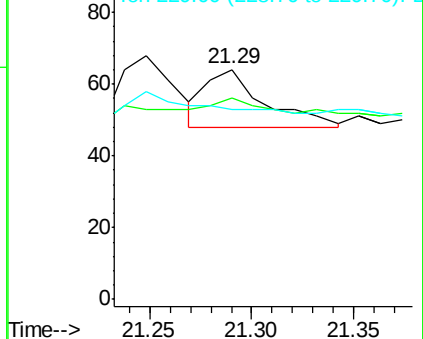
229 82.8 14.3 21.5#



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: 22.60 min Scan# 1527

Delta R.T. -0.19 min

Lab File: BM000627.D

Acq: 28 Feb 2015 04:34

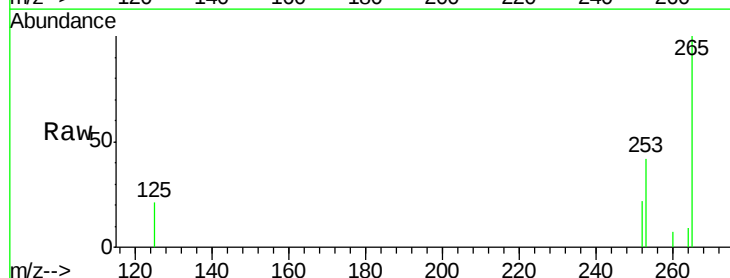
Tgt Ion:252 Resp: 447

Ion Ratio Lower Upper

252 100

253 188.4 0.0 51.2#

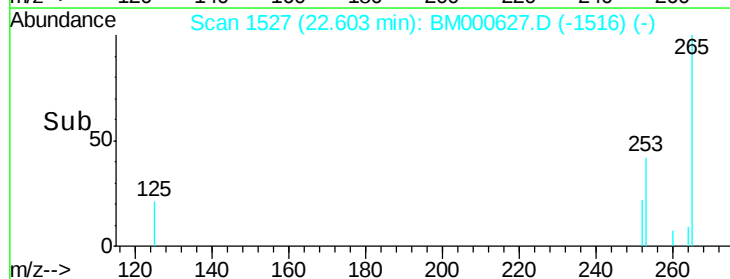
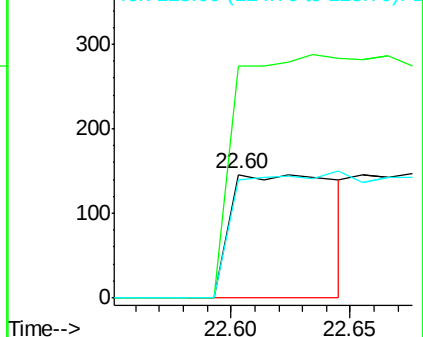
125 95.9 0.0 22.8#

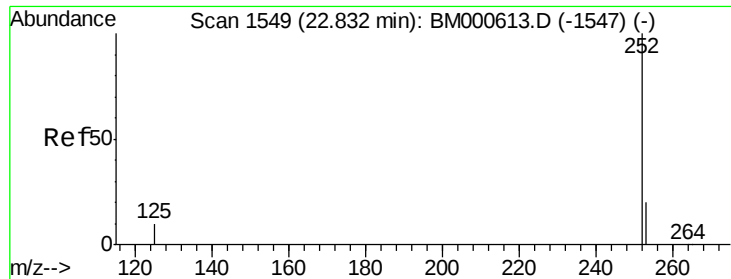


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 22.60 min Scan# 1527

Delta R.T. -0.23 min

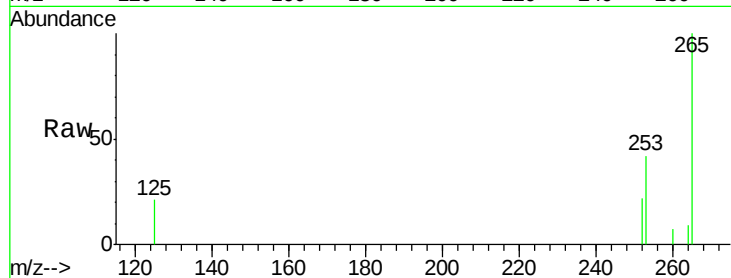
Lab File: BM000627.D

Acq: 28 Feb 2015 04:34

Instrument :

BNA_M

ClientSampleId :



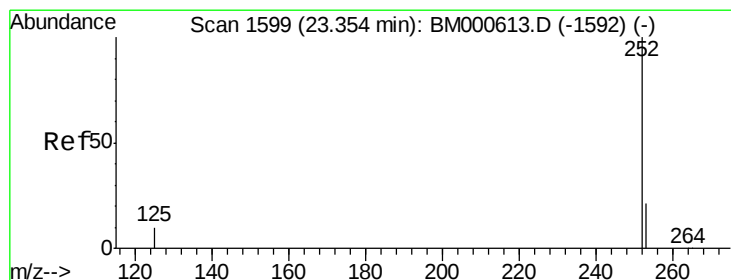
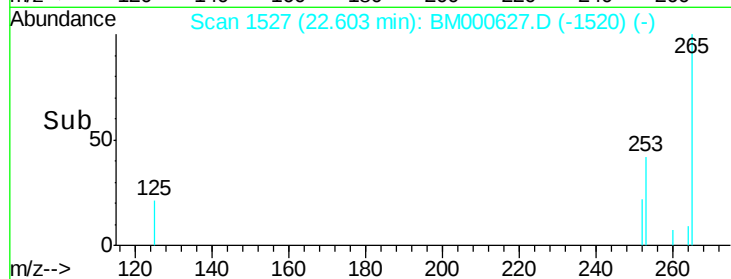
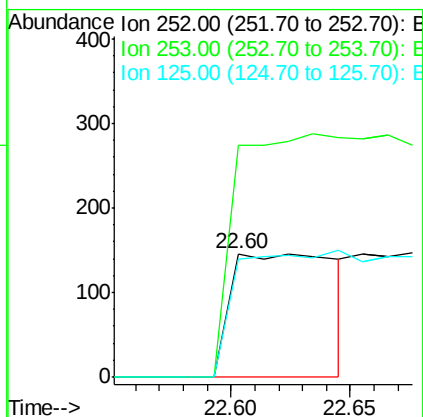
Tgt Ion:252 Resp: 447

Ion Ratio Lower Upper

252 100

253 188.4 20.2 30.2#

125 95.9 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: BM000627.D

Acq: 28 Feb 2015 04:34

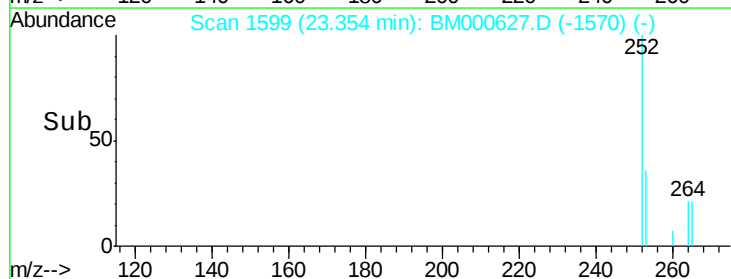
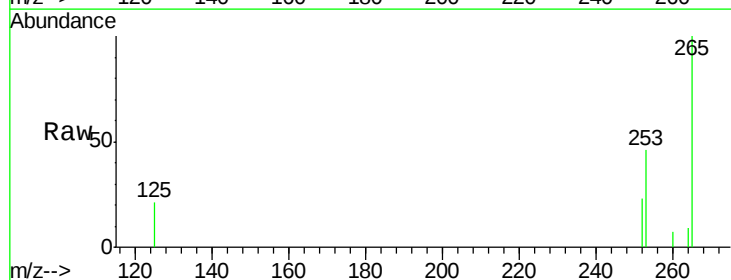
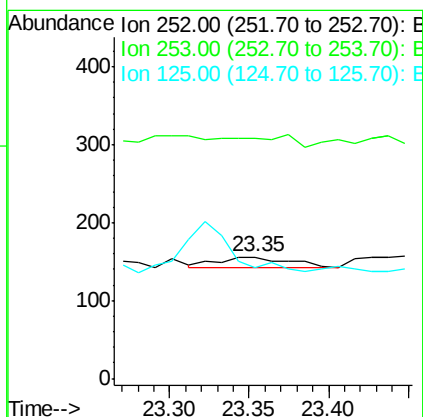
Tgt Ion:252 Resp: 38

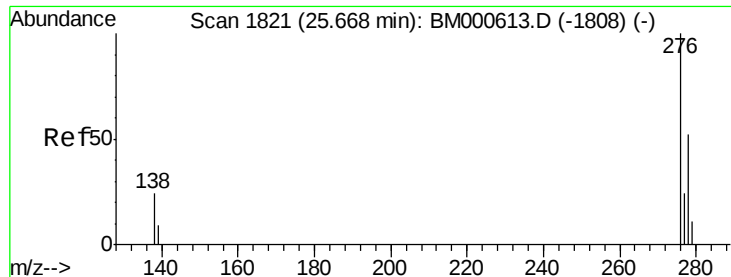
Ion Ratio Lower Upper

252 100

253 197.4 21.3 31.9#

125 91.7 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

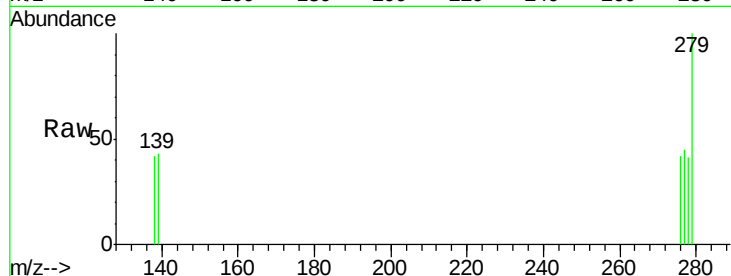
Lab File: BM000627.D

Acq: 28 Feb 2015 04:34

Instrument :

BNA_M

ClientSampleId :



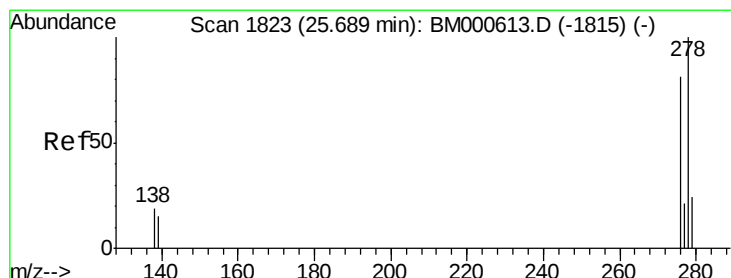
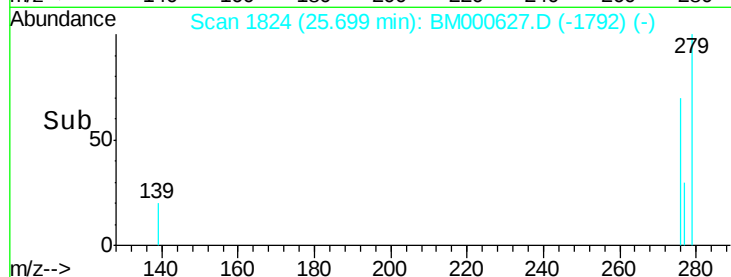
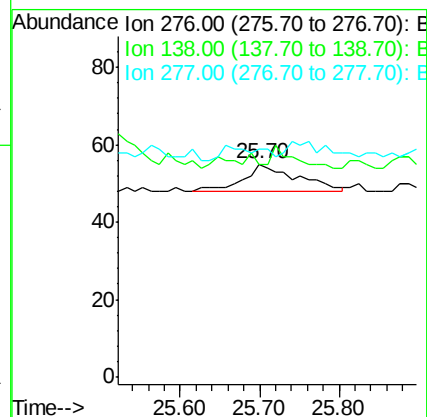
Tgt Ion:276 Resp: 33

Ion Ratio Lower Upper

276 100

138 9.1 19.7 29.5#

277 0.0 19.9 29.9#



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.65 min Scan# 1819

Delta R.T. -0.04 min

Lab File: BM000627.D

Acq: 28 Feb 2015 04:34

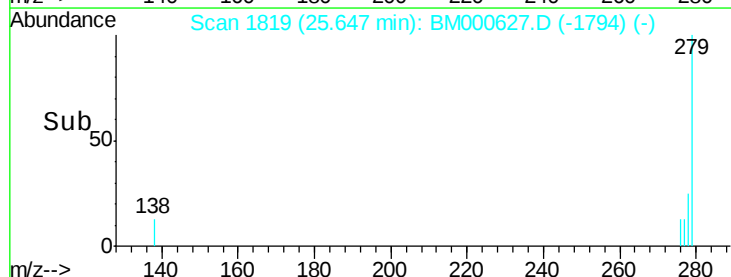
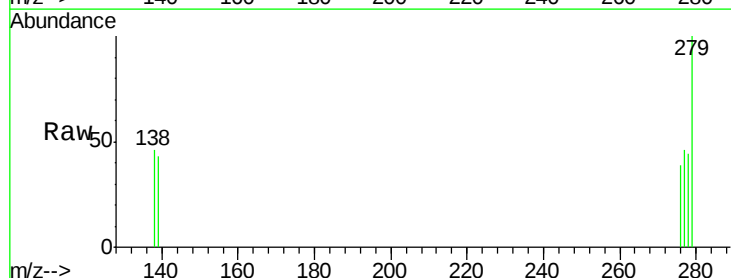
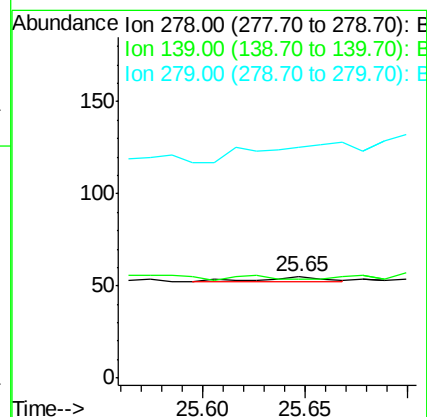
Tgt Ion:278 Resp: 8

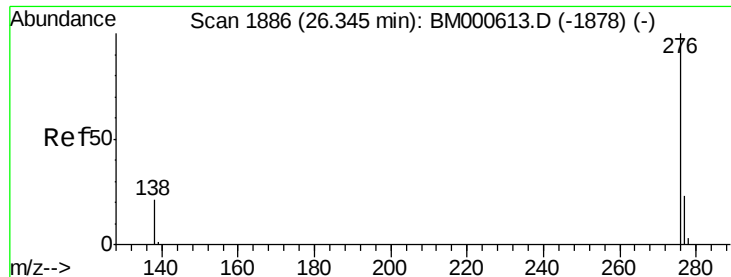
Ion Ratio Lower Upper

278 100

139 98.2 13.3 19.9#

279 227.3 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

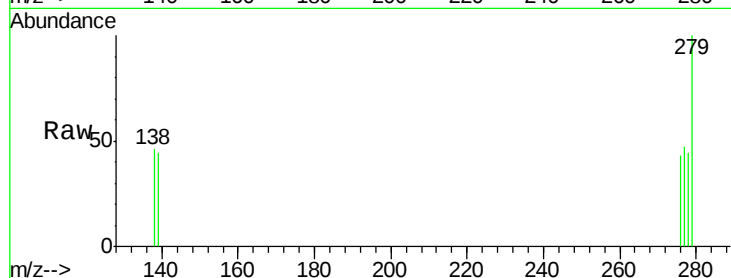
Lab File: BM000627.D

Acq: 28 Feb 2015 04:34

Instrument :

BNA_M

ClientSampleId :



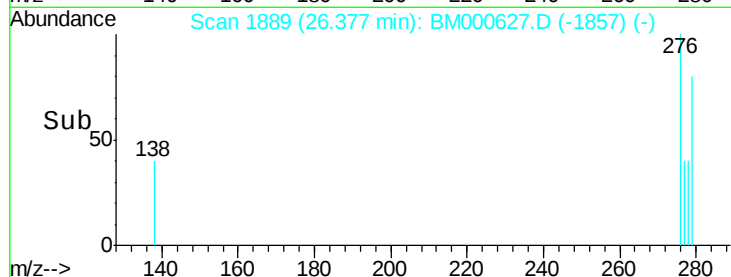
Tgt Ion: 276 Resp: 29

Ion Ratio Lower Upper

276 100

277 109.3 19.8 29.8#

138 105.6 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

