

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022715\
 Data File : BM000629.D
 Acq On : 28 Feb 2015 05:45
 Operator : TP/IZ
 Sample : MDL-04-S
 Misc : MDL-SOIL-0.4PPM
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 28 06:44:14 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	2764	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	9125	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	4644	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	9089	0.40	ng/ul	0.00
18) Chrysene-d12	21.26	240	6622	0.40	ng/ul	0.01
22) Perylene-d12	23.46	264	5859	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.12	96	15	0.01	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.06	152	2940	0.27	ng/ul	0.01
16) Fluoranthene-d10	19.10	212	4913	0.29	ng/ul	0.01

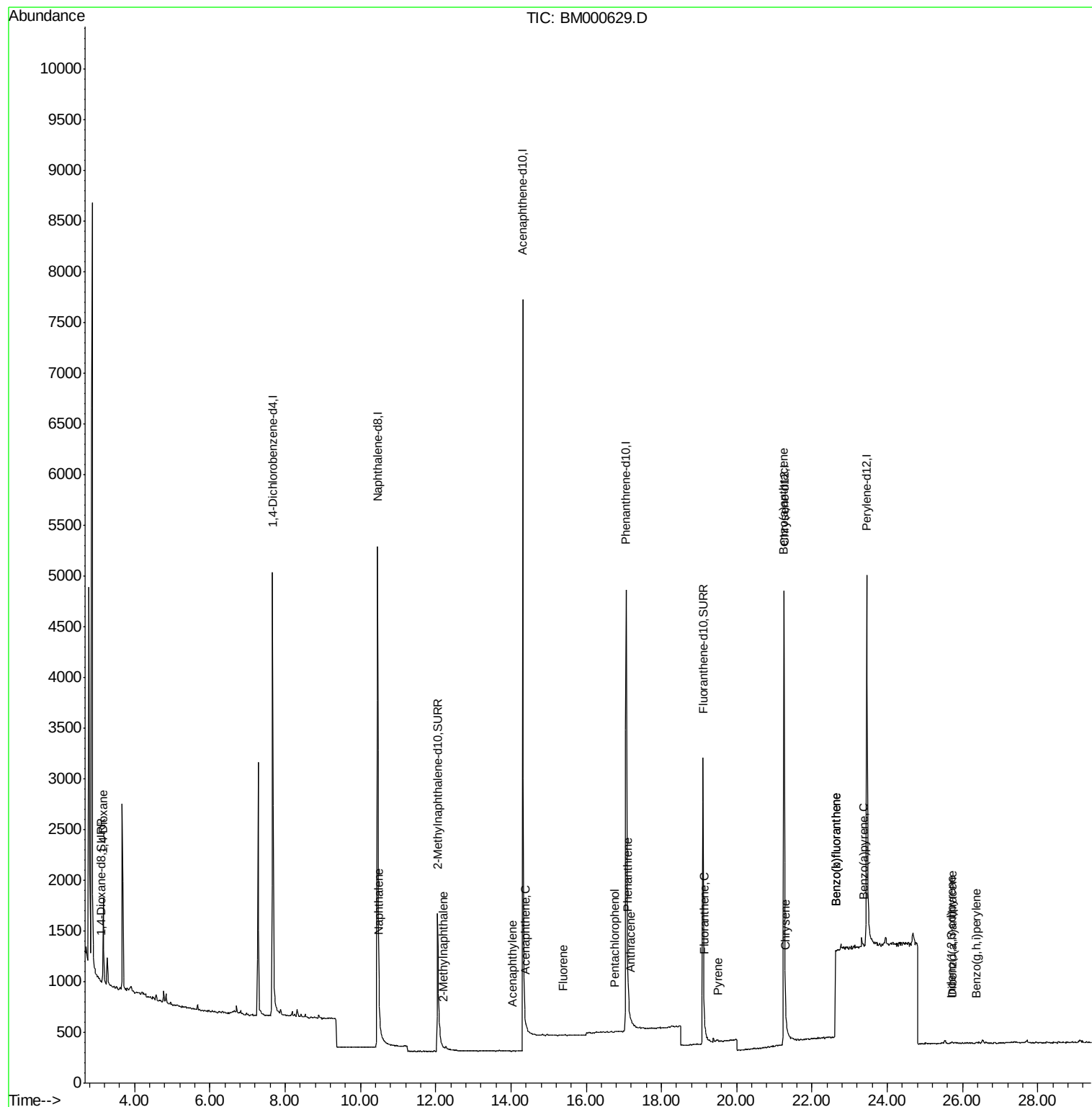
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.17	88	1122	0.39	ng/ul#	56
5) Naphthalene	10.49	128	18	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.21	142	1	0.00	ng/ul	88
9) Acenaphthylene	14.03	152	8	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	14	0.00	ng/ul#	73
11) Fluorene	15.40	166	10	0.00	ng/ul#	51
13) Pentachlorophenol	16.76	266	16	0.02	ng/ul#	17
14) Phenanthrene	17.10	178	24	0.00	ng/ul#	1
15) Anthracene	17.17	178	11	0.00	ng/ul#	1
17) Fluoranthene	19.12	202	18	0.00	ng/ul#	1
19) Pyrene	19.50	202	12	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.25	228	38	0.00	ng/ul#	1
21) Chrysene	21.29	228	22	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.63	252	516	0.03	ng/ul#	1
24) Benzo(k)fluoranthene	22.63	252	516	0.03	ng/ul#	1
25) Benzo(a)pyrene	23.36	252	73	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.70	276	33	0.00	ng/ul#	63
27) Dibenzo(a,h)anthracene	25.72	278	22	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.37	276	12	0.00	ng/ul#	1

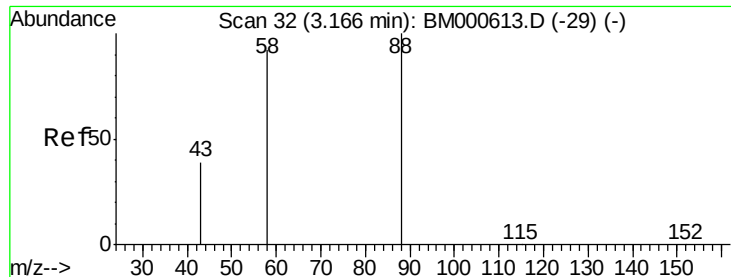
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.39 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000629.D

Acq: 28 Feb 2015 05:45

Instrument :

BNA_M

ClientSampled :

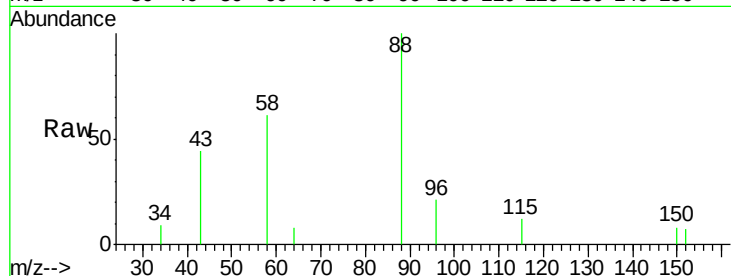
Tgt Ion: 88 Resp: 1122

Ion Ratio Lower Upper

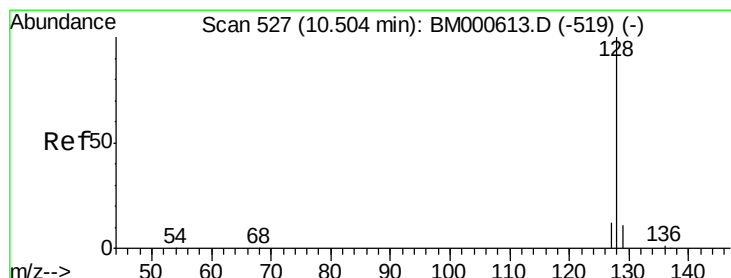
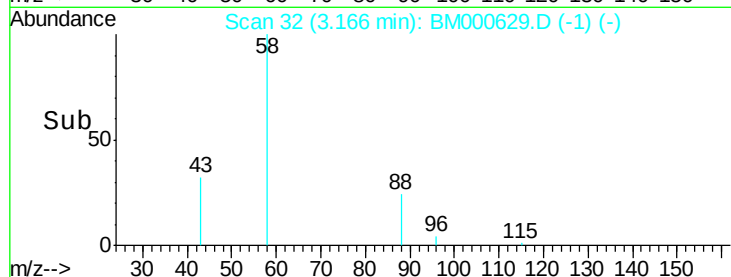
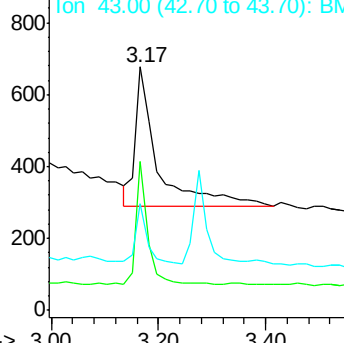
88 100

58 47.4 62.7 94.1#

43 0.0 28.8 43.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000629.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. -0.01 min

Lab File: BM000629.D

Acq: 28 Feb 2015 05:45

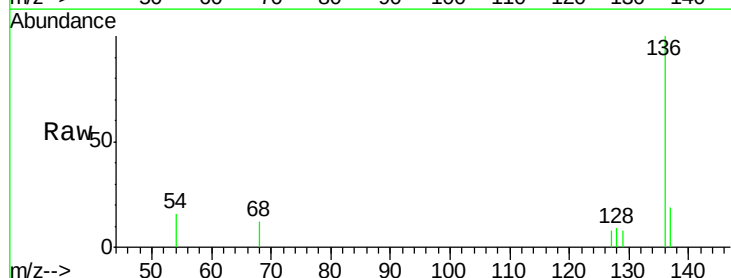
Tgt Ion: 128 Resp: 18

Ion Ratio Lower Upper

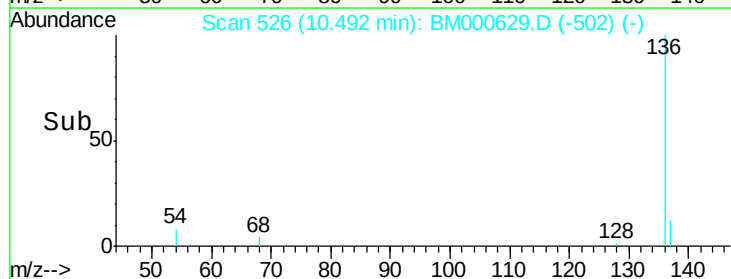
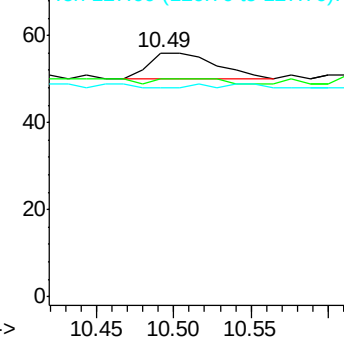
128 100

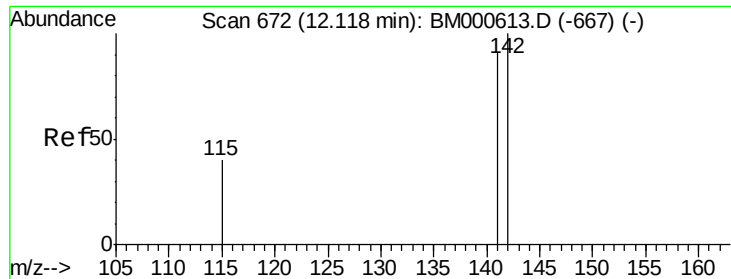
129 89.3 9.4 14.0#

127 85.7 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): BM000629.D (-502) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.21 min Scan# 681

Delta R.T. 0.09 min

Lab File: BM000629.D

Acq: 28 Feb 2015 05:45

Instrument :

BNA_M

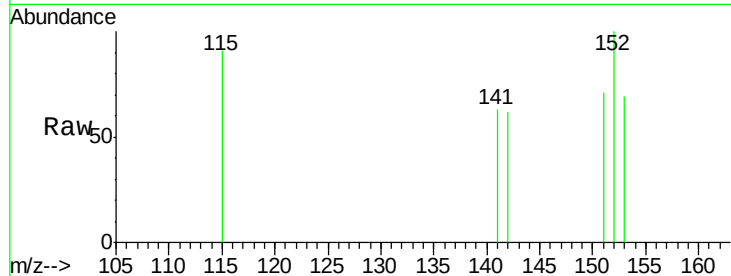
ClientSampleId :

Tgt Ion:142 Resp: 1

Ion Ratio Lower Upper

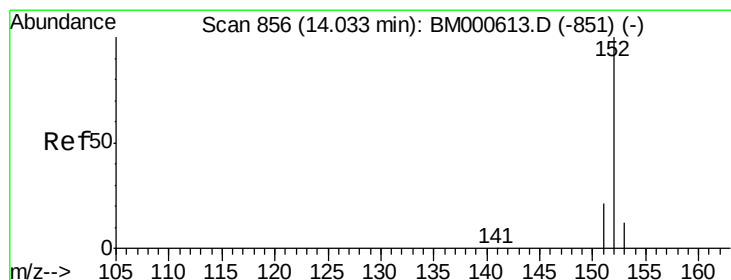
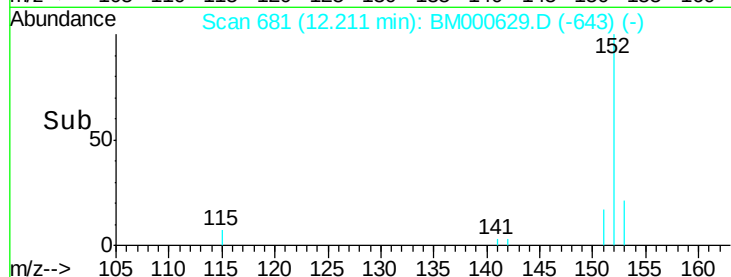
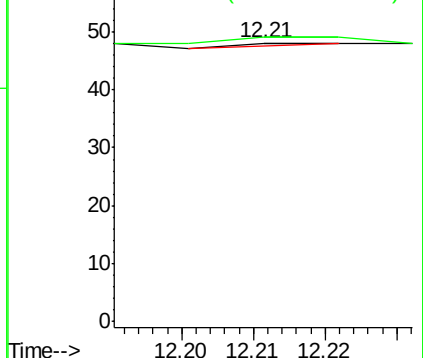
142 100

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: 14.03 min Scan# 856

Delta R.T. 0.00 min

Lab File: BM000629.D

Acq: 28 Feb 2015 05:45

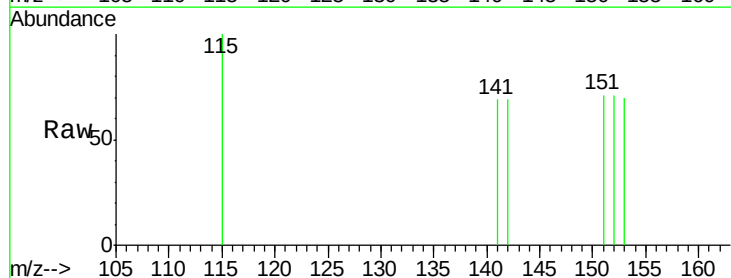
Tgt Ion:152 Resp: 8

Ion Ratio Lower Upper

152 100

151 100.0 17.0 25.6#

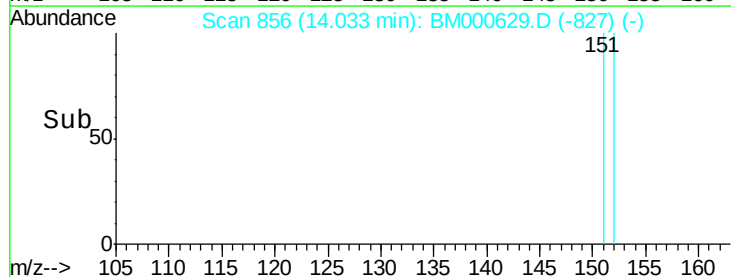
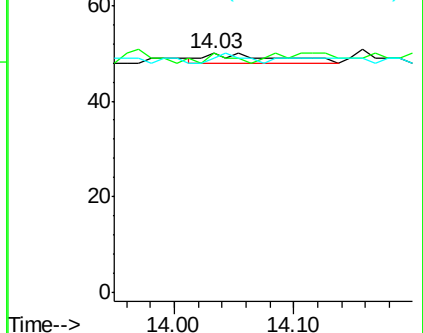
153 98.0 9.9 14.9#

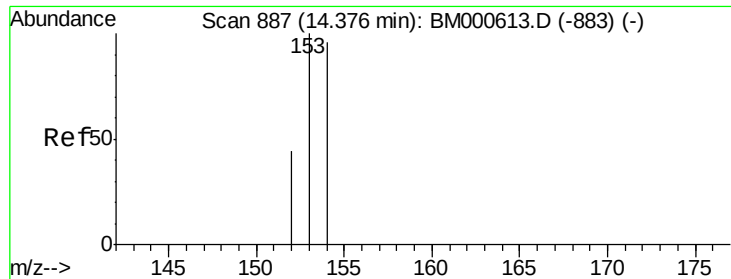


Abundance Ion 152.00 (151.70 to 152.70): E

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: BM000629.D

Acq: 28 Feb 2015 05:45

Instrument :

BNA_M

ClientSampleId :

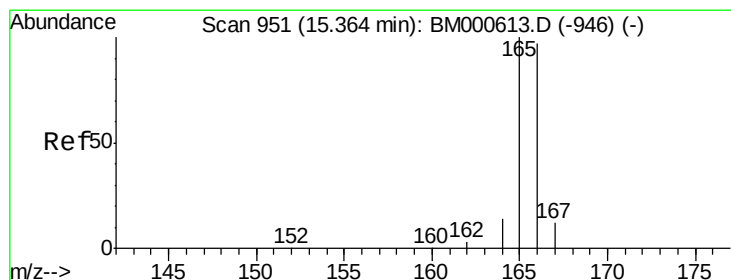
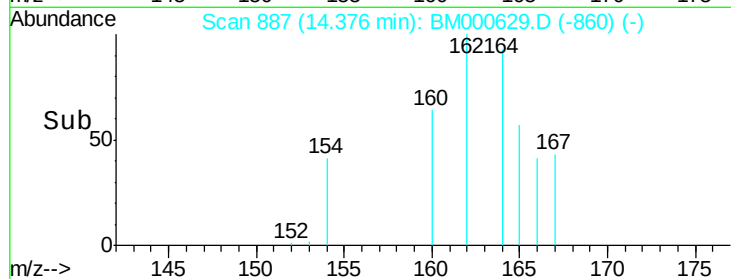
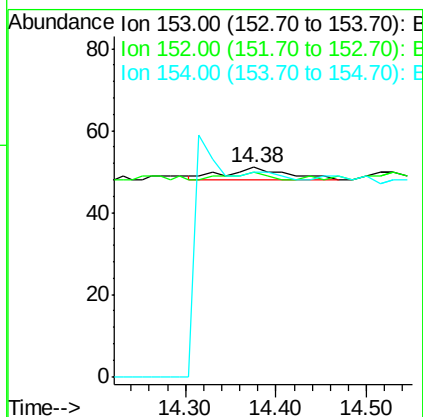
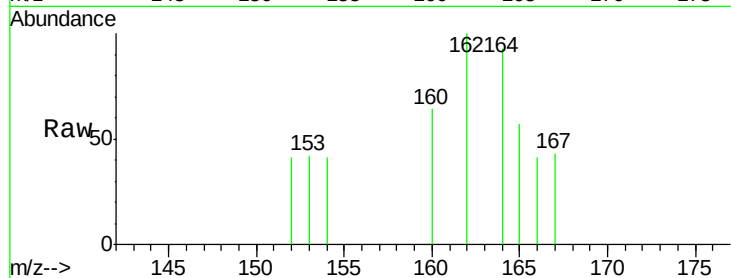
Tgt Ion:153 Resp: 14

Ion Ratio Lower Upper

153 100

152 98.0 35.9 53.9#

154 98.0 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: BM000629.D

Acq: 28 Feb 2015 05:45

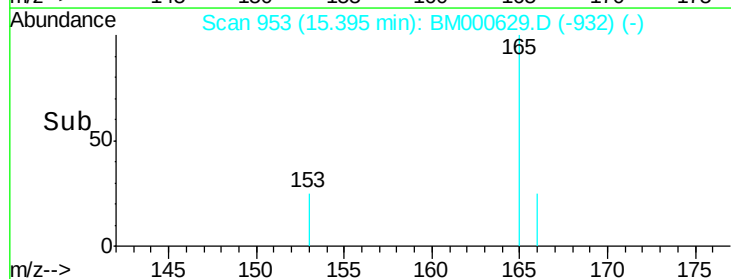
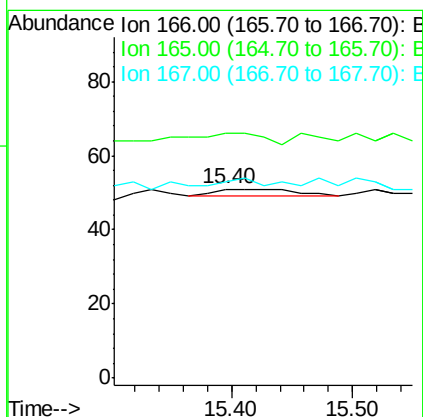
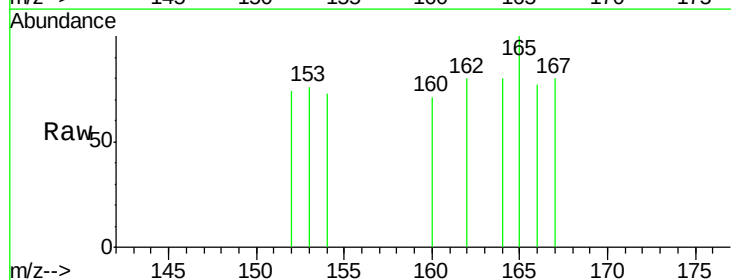
Tgt Ion:166 Resp: 10

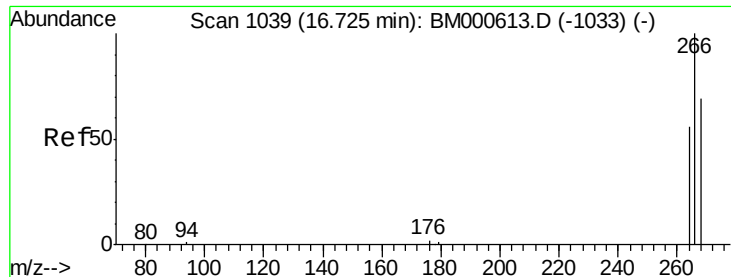
Ion Ratio Lower Upper

166 100

165 129.4 82.5 123.7#

167 103.9 10.6 16.0#

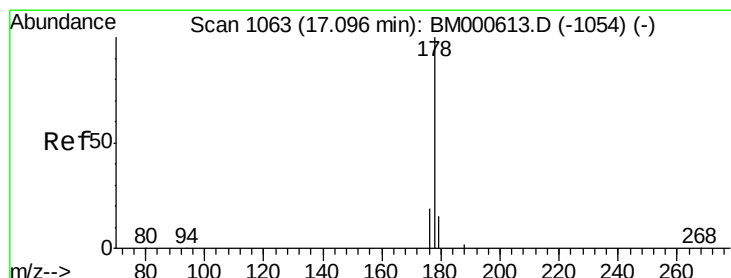
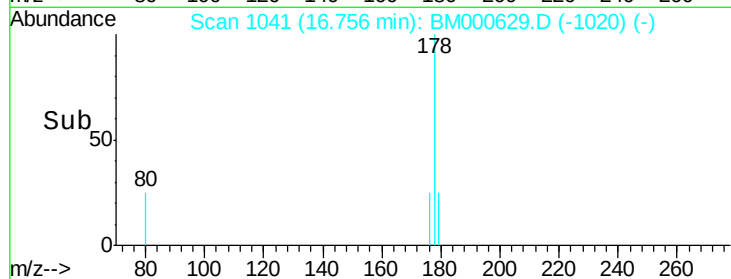
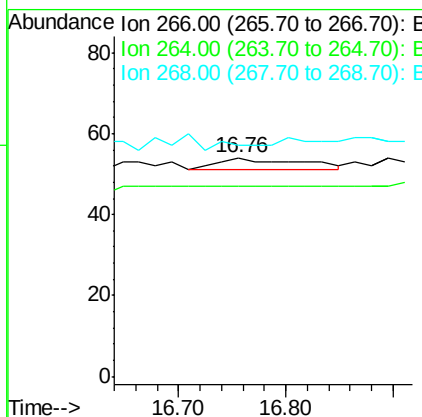
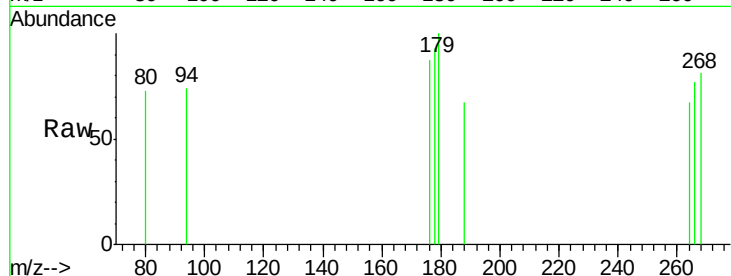




#13
 Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 16.76 min Scan# 1041
 Delta R.T. 0.03 min
 Lab File: BM000629.D
 Acq: 28 Feb 2015 05:45

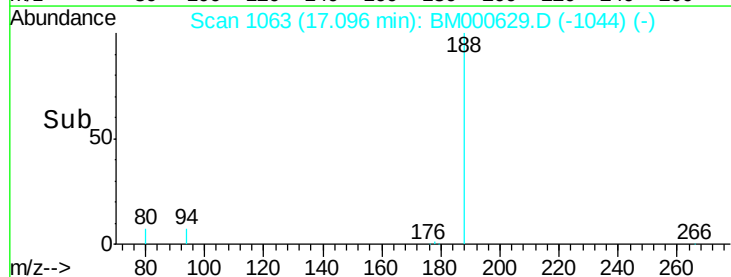
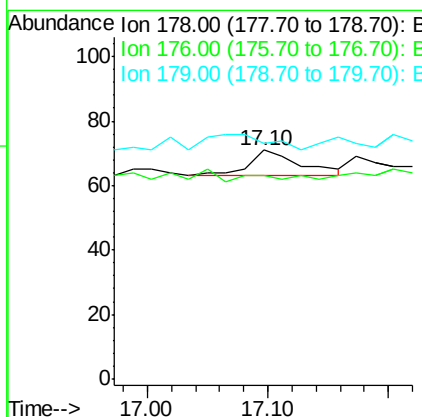
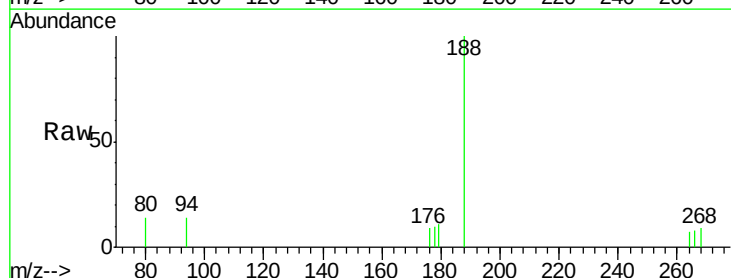
Instrument :
 BNA_M
 ClientSampleId :

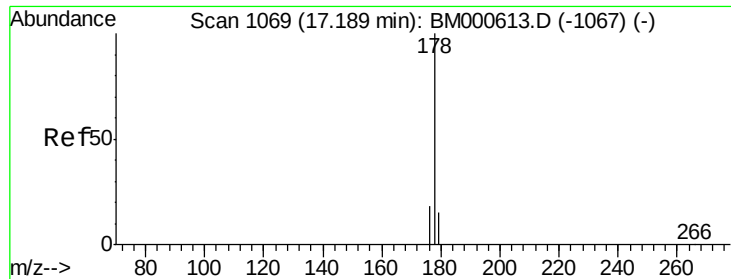
Tgt Ion: 266 Resp: 16
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.0 76.6#
 268 0.0 54.9 82.3#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000629.D
 Acq: 28 Feb 2015 05:45

Tgt Ion: 178 Resp: 24
 Ion Ratio Lower Upper
 178 100
 176 88.7 15.3 22.9#
 179 102.8 12.2 18.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.17 min Scan# 1068

Delta R.T. -0.02 min

Lab File: BM000629.D

Acq: 28 Feb 2015 05:45

Instrument :

BNA_M

ClientSampleId :

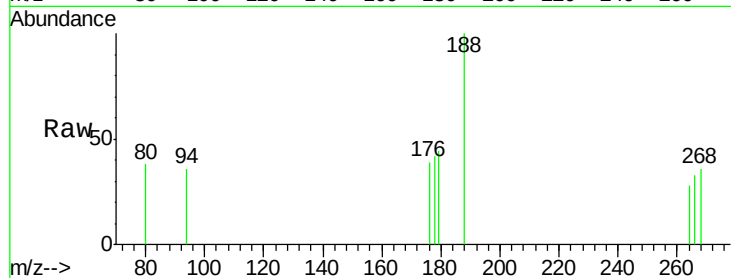
Tgt Ion:178 Resp: 11

Ion Ratio Lower Upper

178 100

176 92.8 14.6 22.0#

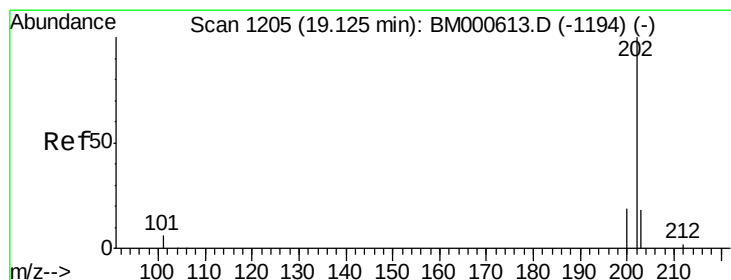
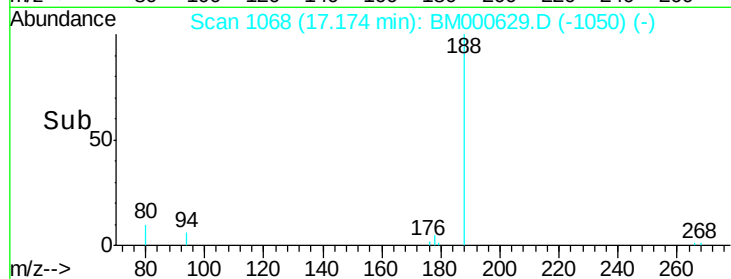
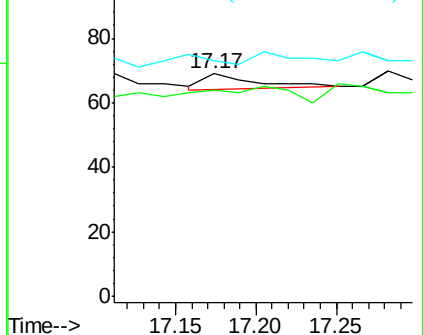
179 105.8 12.9 19.3#



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: BM000629.D

Acq: 28 Feb 2015 05:45

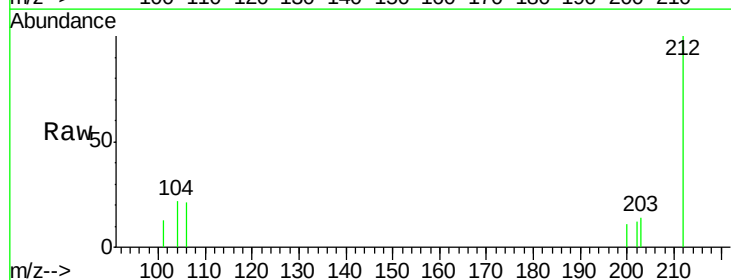
Tgt Ion:202 Resp: 18

Ion Ratio Lower Upper

202 100

101 101.9 0.0 26.2#

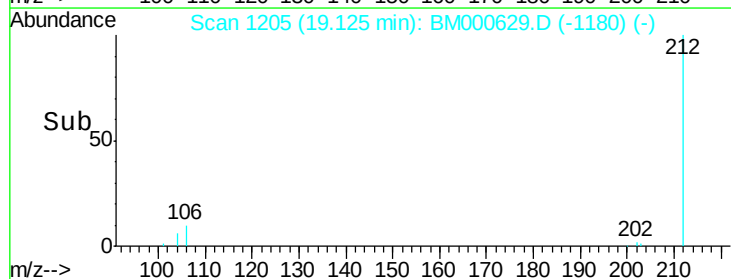
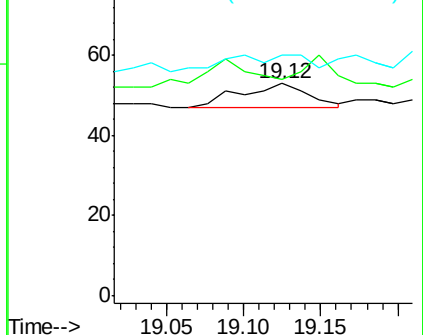
203 113.2 0.0 38.3#

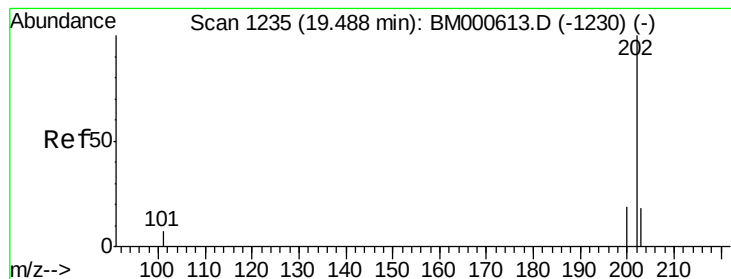


Abundance Ion 202.00 (201.70 to 202.70): E

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

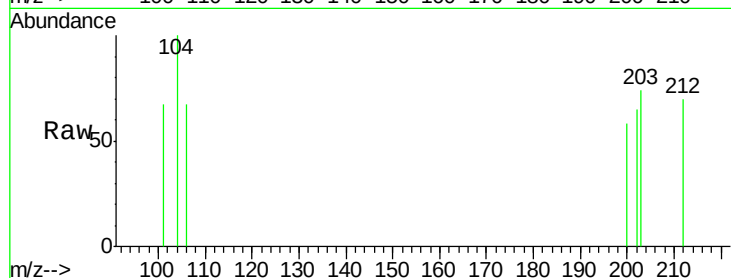
Lab File: BM000629.D

Acq: 28 Feb 2015 05:45

Instrument :

BNA_M

ClientSampleId :



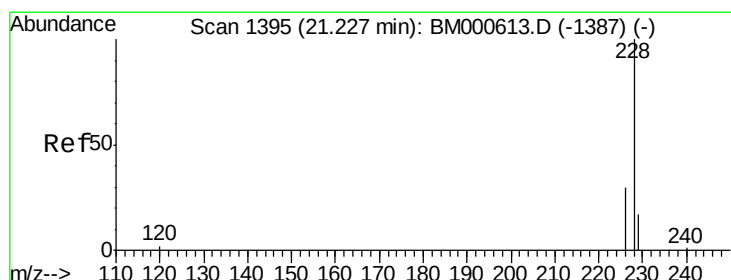
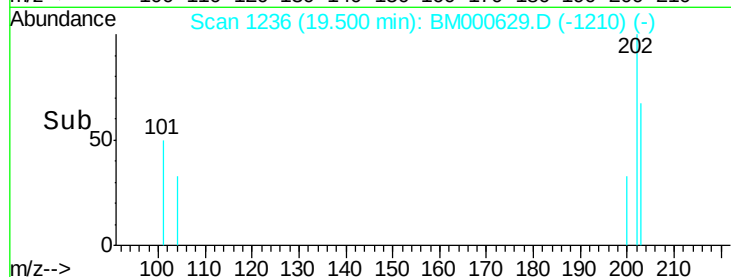
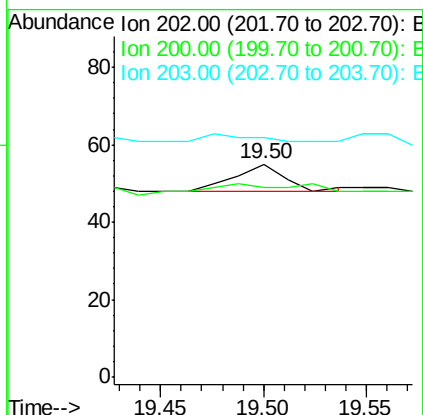
Tgt Ion:202 Resp: 12

Ion Ratio Lower Upper

202 100

200 89.1 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: BM000629.D

Acq: 28 Feb 2015 05:45

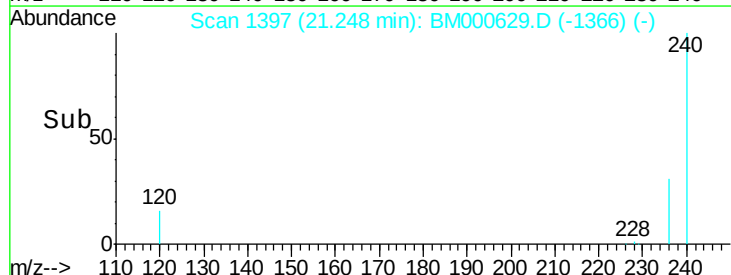
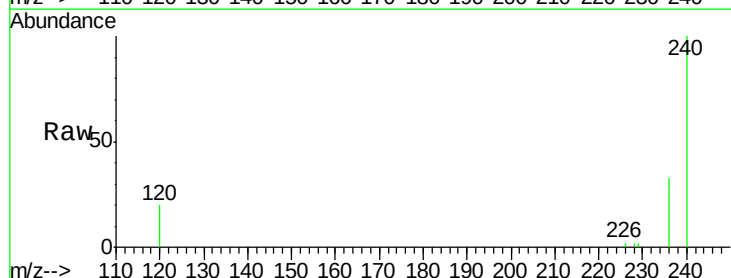
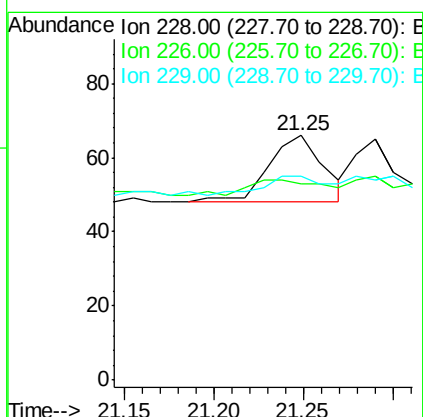
Tgt Ion:228 Resp: 38

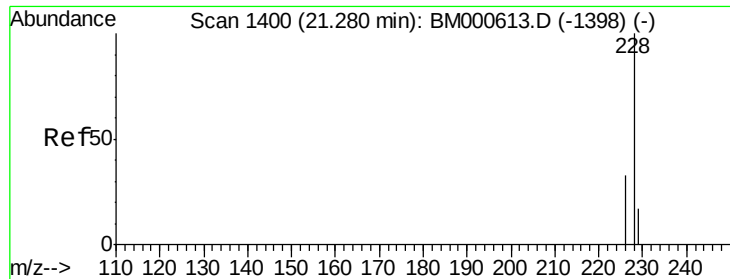
Ion Ratio Lower Upper

228 100

226 80.3 24.1 36.1#

229 83.3 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: BM000629.D

Acq: 28 Feb 2015 05:45

Instrument :

BNA_M

ClientSampleId :

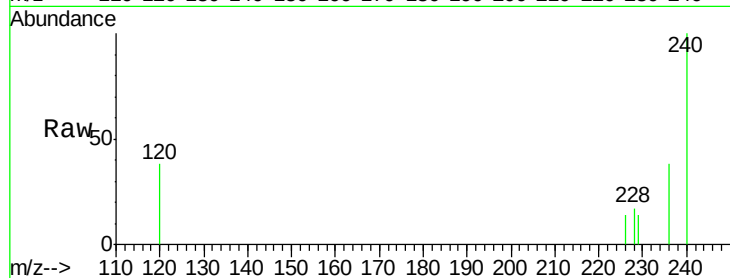
Tgt Ion:228 Resp: 22

Ion Ratio Lower Upper

228 100

226 84.6 26.5 39.7#

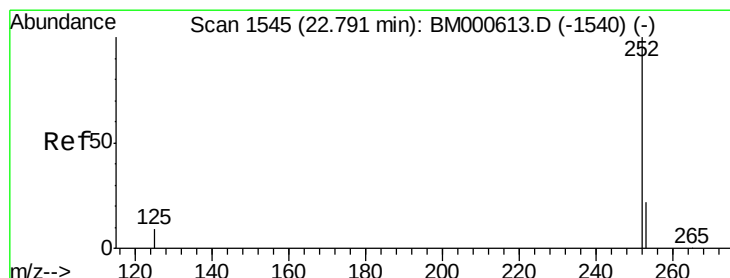
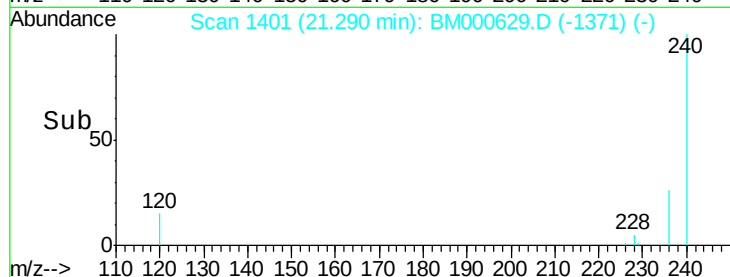
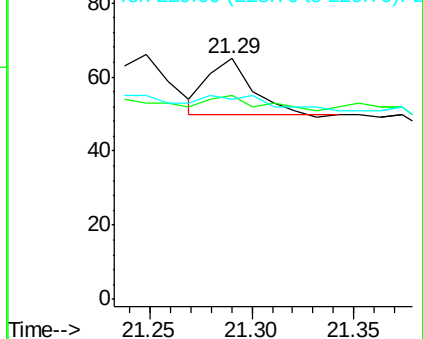
229 83.1 14.3 21.5#



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: 0.03 ng/ul

RT: 22.63 min Scan# 1530

Delta R.T. -0.16 min

Lab File: BM000629.D

Acq: 28 Feb 2015 05:45

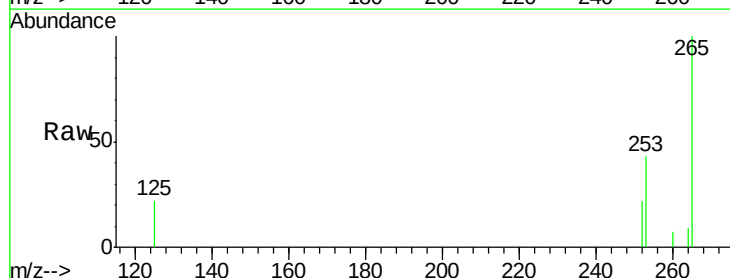
Tgt Ion:252 Resp: 516

Ion Ratio Lower Upper

252 100

253 191.6 0.0 51.2#

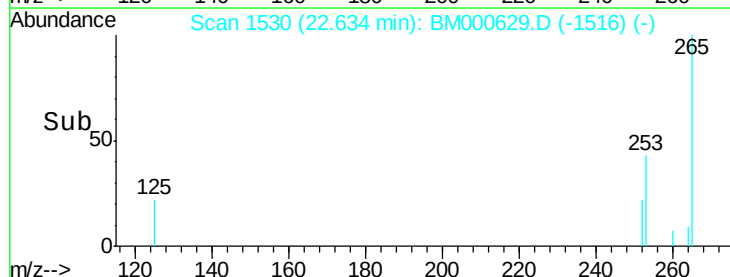
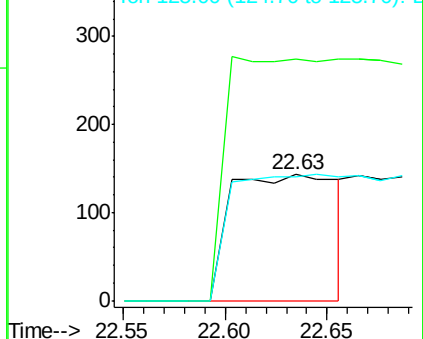
125 98.6 0.0 22.8#

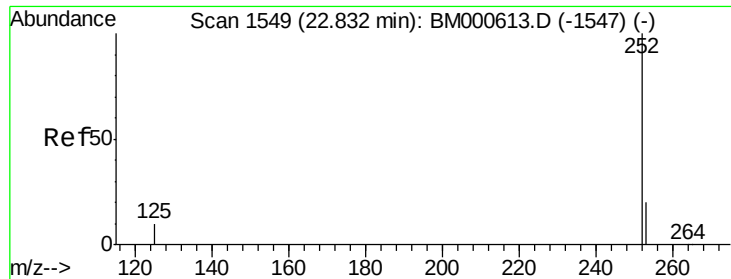


Abundance Ion 252.00 (251.70 to 252.70): E

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: 22.63 min Scan# 1530

Delta R.T. -0.20 min

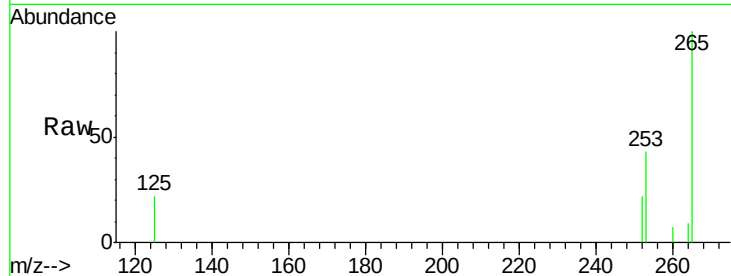
Lab File: BM000629.D

Acq: 28 Feb 2015 05:45

Instrument :

BNA_M

ClientSampleId :



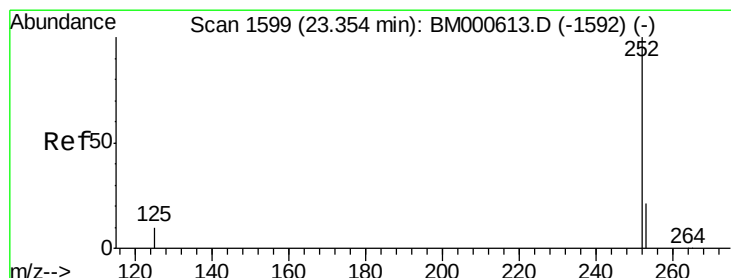
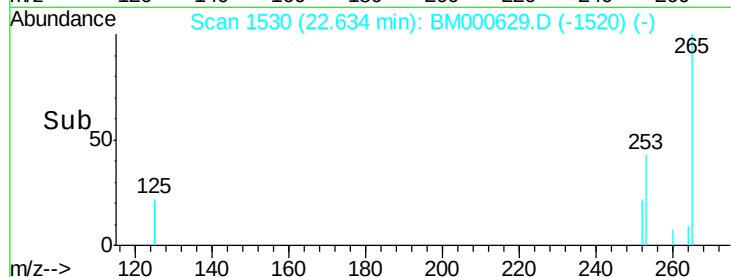
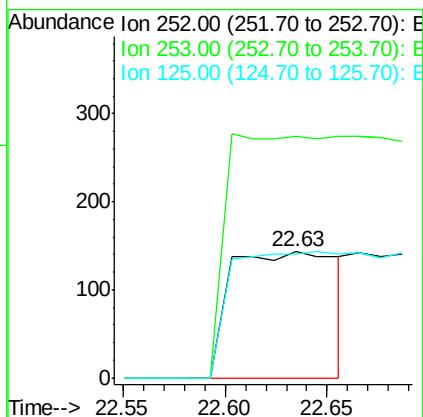
Tgt Ion: 252 Resp: 516

Ion Ratio Lower Upper

252 100

253 191.6 20.2 30.2#

125 98.6 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: BM000629.D

Acq: 28 Feb 2015 05:45

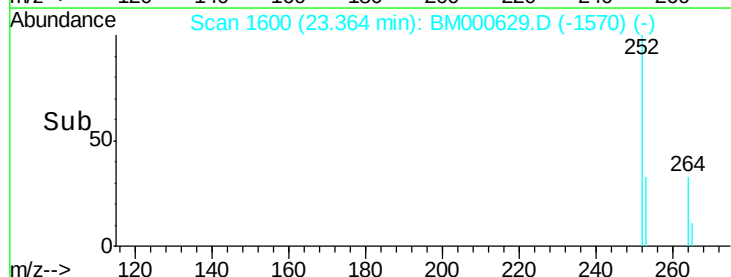
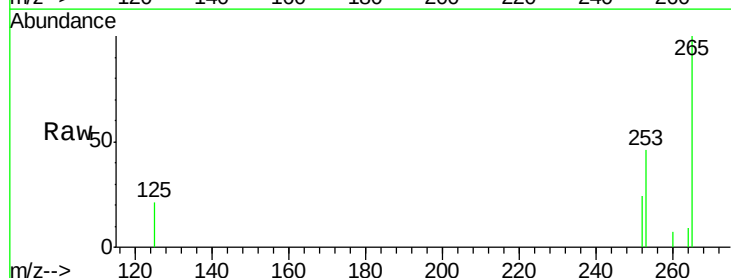
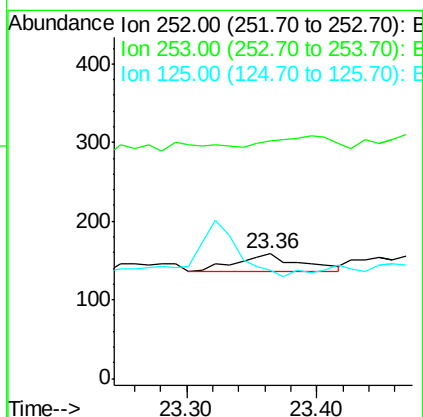
Tgt Ion: 252 Resp: 73

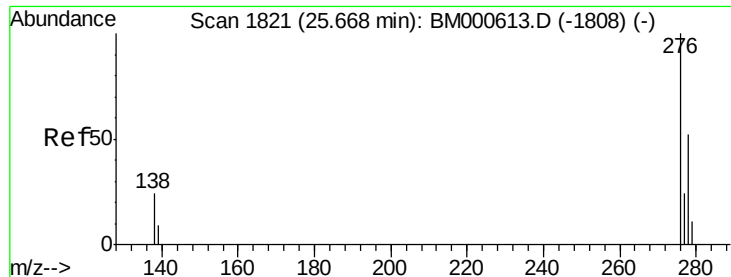
Ion Ratio Lower Upper

252 100

253 191.1 21.3 31.9#

125 87.3 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

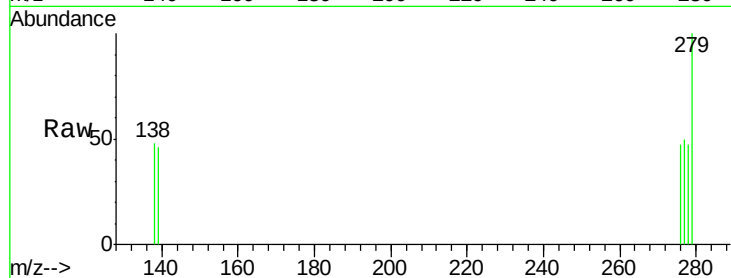
Lab File: BM000629.D

Acq: 28 Feb 2015 05:45

Instrument :

BNA_M

ClientSampleId :



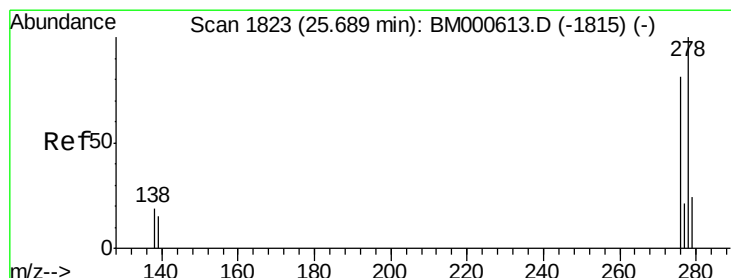
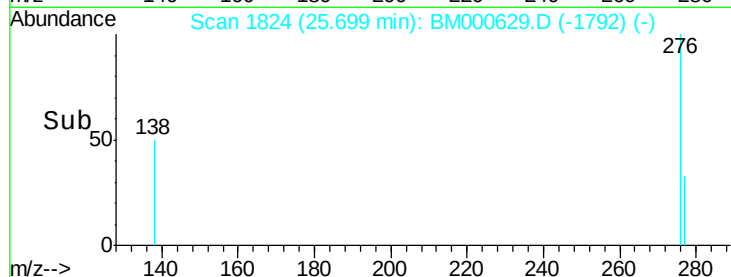
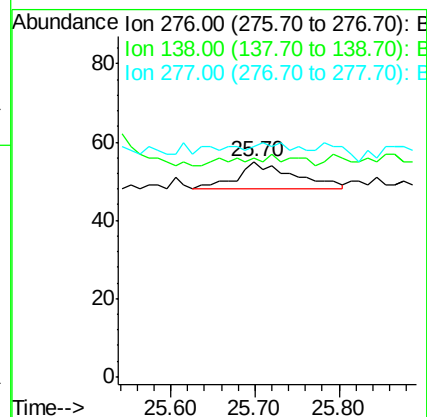
Tgt Ion: 276 Resp: 33

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

277 12.1 19.9 29.9#



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.72 min Scan# 1826

Delta R.T. 0.03 min

Lab File: BM000629.D

Acq: 28 Feb 2015 05:45

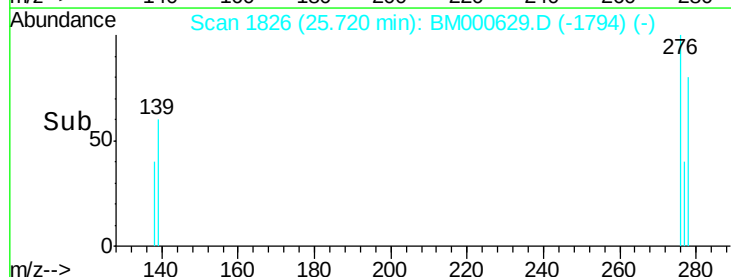
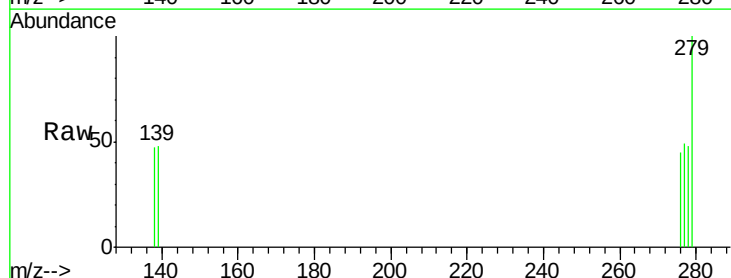
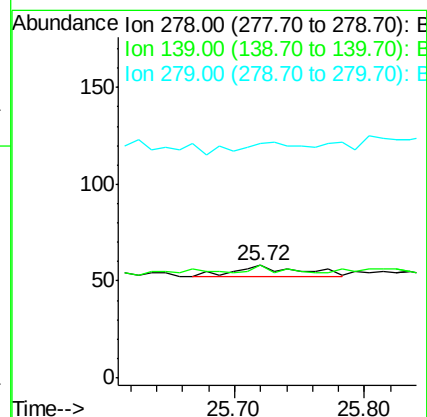
Tgt Ion: 278 Resp: 22

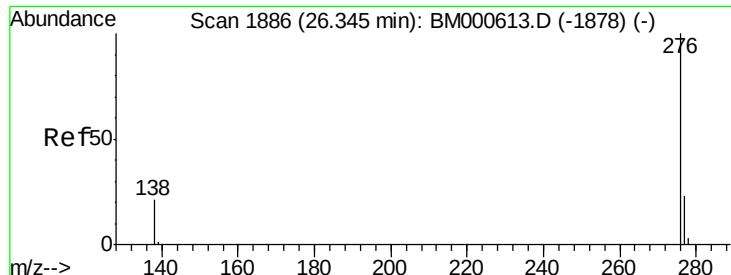
Ion Ratio Lower Upper

278 100

139 100.0 13.3 19.9#

279 208.6 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

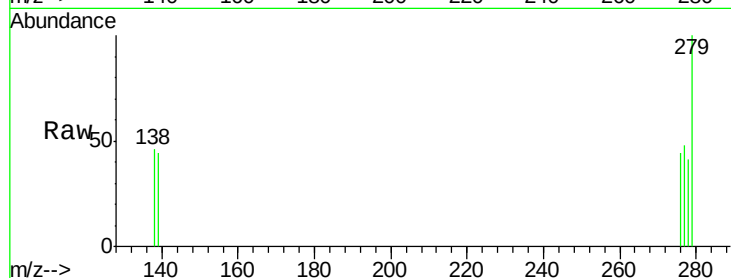
Lab File: BM000629.D

Acq: 28 Feb 2015 05:45

Instrument :

BNA_M

ClientSampleId :



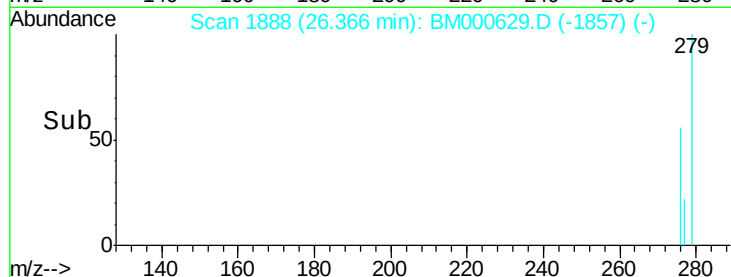
Tgt Ion: 276 Resp: 12

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

