

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030315\
 Data File : BM000631.D
 Acq On : 04 Mar 2015 01:06
 Operator : TP/IZ
 Sample : MDL-BLK-S
 Misc : MDL-SOIL-BLK-SBLK31
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-BLK-S

Quant Time: Mar 04 06:15:55 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM030315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 02:50:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	4287	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	15302	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	7446	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	18857	0.40	ng/ul	0.02
18) Chrysene-d12	21.25	240	13228	0.40	ng/ul	-0.01
22) Perylene-d12	23.46	264	10124	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	5950	1.90	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.01	152	4	0.00	ng/ul	-0.03
16) Fluoranthene-d10	19.10	212	11	0.00	ng/ul	0.01

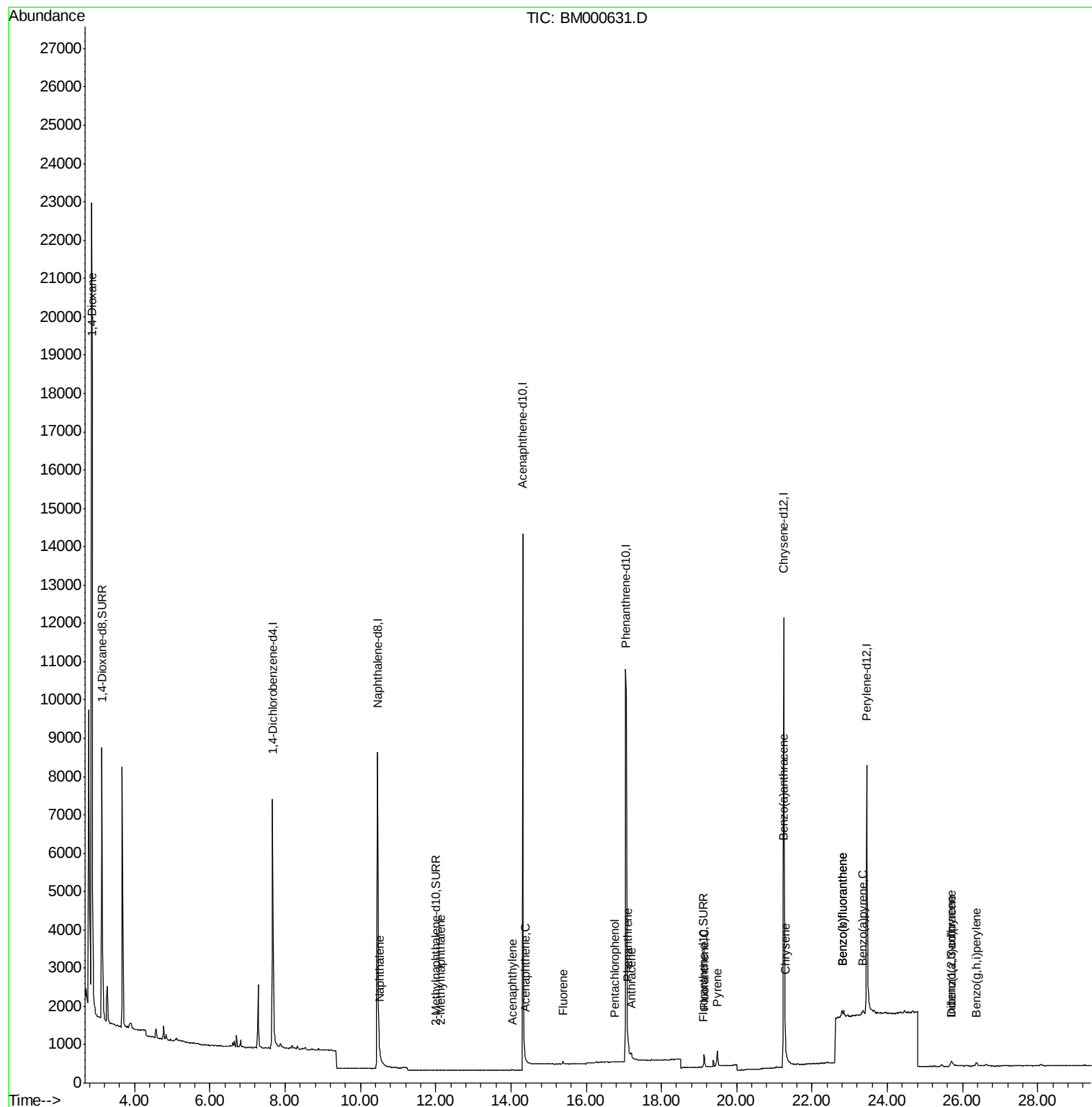
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.87	88	6652	1.37	ng/ul#	1
5) Naphthalene	10.50	128	40	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.14	142	16	0.00	ng/ul#	47
9) Acenaphthylene	14.04	152	27	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	36	0.00	ng/ul#	74
11) Fluorene	15.38	166	83	0.00	ng/ul#	61
13) Pentachlorophenol	16.76	266	15	0.01	ng/ul#	27
14) Phenanthrene	17.10	178	336	0.01	ng/ul#	40
15) Anthracene	17.19	178	218	0.00	ng/ul#	1
17) Fluoranthene	19.12	202	442	0.01	ng/ul#	53
19) Pyrene	19.49	202	474	0.01	ng/ul#	67
20) Benzo(a)anthracene	21.24	228	335	0.01	ng/ul#	64
21) Chrysene	21.28	228	398	0.01	ng/ul#	66
23) Benzo(b)fluoranthene	22.80	252	286	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	22.80	252	286	0.01	ng/ul#	1
25) Benzo(a)pyrene	23.35	252	208	0.01	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.69	276	253	0.01	ng/ul#	90
27) Dibenzo(a,h)anthracene	25.71	278	188	0.01	ng/ul#	1
28) Benzo(g,h,i)perylene	26.37	276	238	0.01	ng/ul#	11

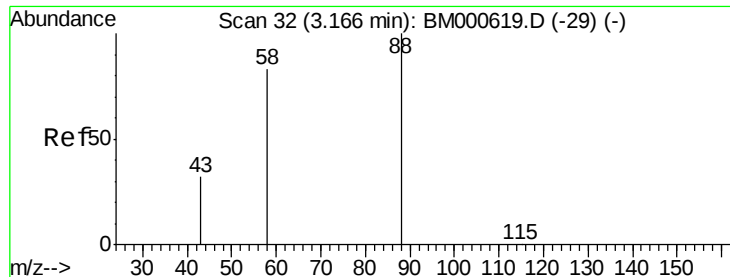
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : MDL-SOIL-BLK-SBLK31
ALS Vial : 16 Sample Multiplier: 1

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BNA_M
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Quant Time: Mar 04 06:15:55 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM030315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 04 02:50:23 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 1.37 ng/ul

RT: 2.87 min Scan# 13

Delta R.T. -0.29 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

Instrument :

BNA_M

ClientSampled :

MDL-BLK-S

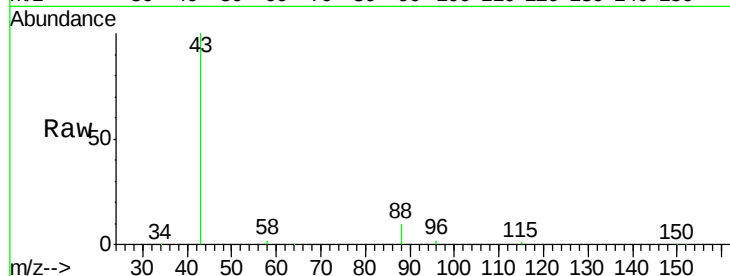
Tgt Ion: 88 Resp: 6652

Ion Ratio Lower Upper

88 100

58 5.8 55.4 83.2#

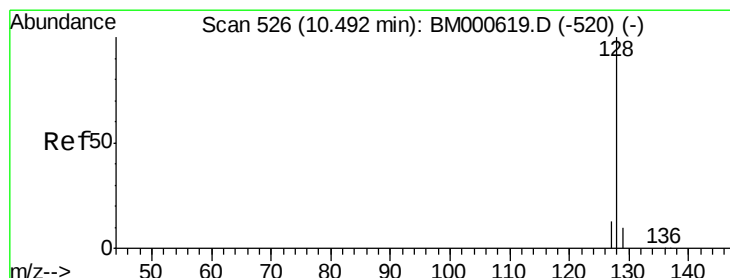
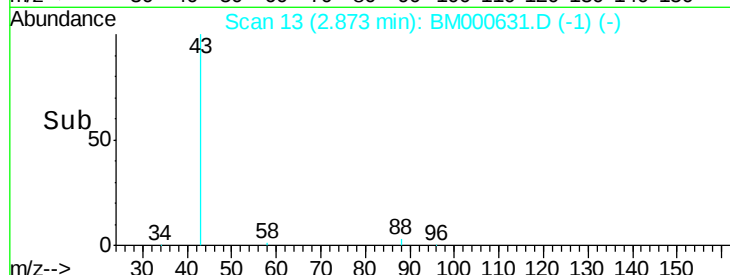
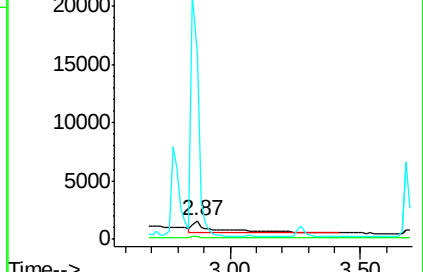
43 587.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000631.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM000631.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM000631.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

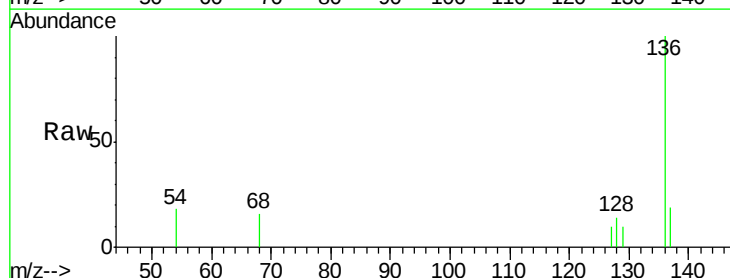
Tgt Ion: 128 Resp: 40

Ion Ratio Lower Upper

128 100

129 74.3 8.5 12.7#

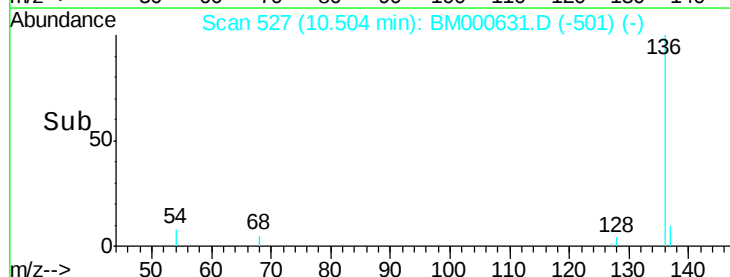
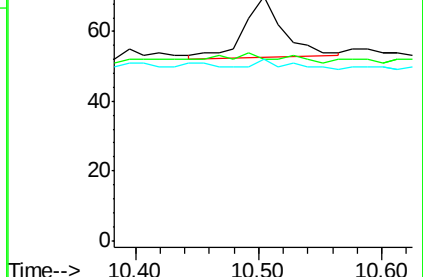
127 74.3 11.0 16.6#

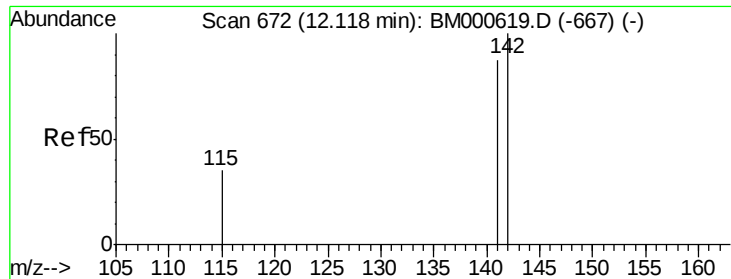


Abundance Ion 128.00 (127.70 to 128.70): BM000631.D (-501) (-)

Ion 129.00 (128.70 to 129.70): BM000631.D (-501) (-)

Ion 127.00 (126.70 to 127.70): BM000631.D (-501) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.14 min Scan# 674

Delta R.T. 0.02 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

Instrument :

BNA_M

ClientSampled :

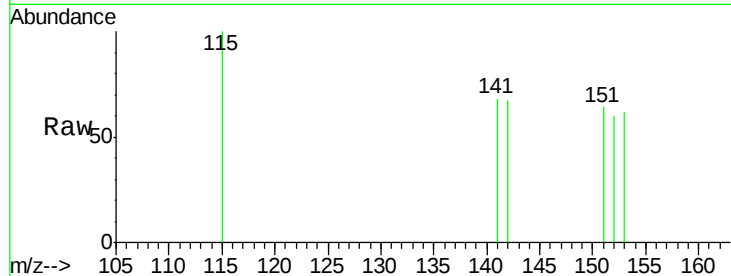
MDL-BLK-S

Tgt Ion:142 Resp: 16

Ion Ratio Lower Upper

142 100

141 137.5 70.6 106.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.14

60

50

40

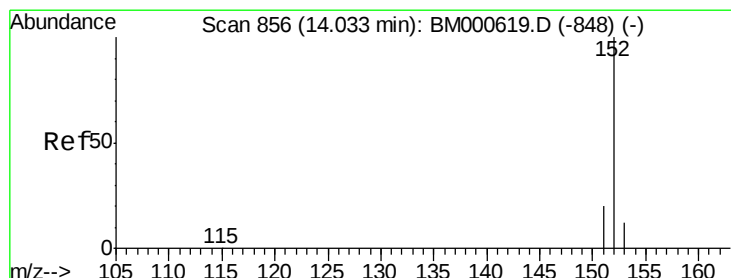
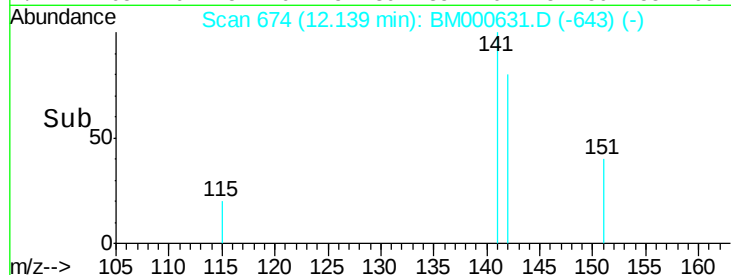
30

20

10

0

Time--> 12.10 12.20



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

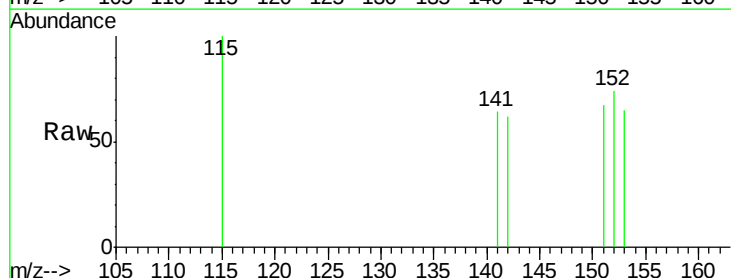
Tgt Ion:152 Resp: 27

Ion Ratio Lower Upper

152 100

151 90.0 16.0 24.0#

153 88.3 10.2 15.4#



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

80

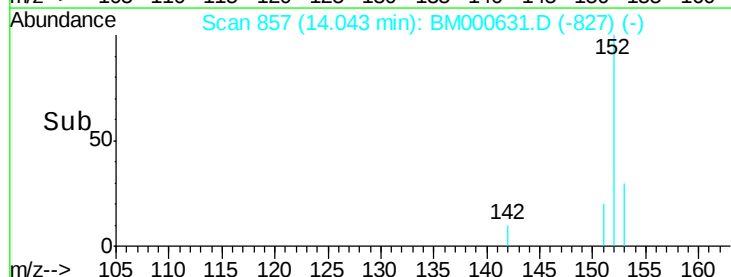
60

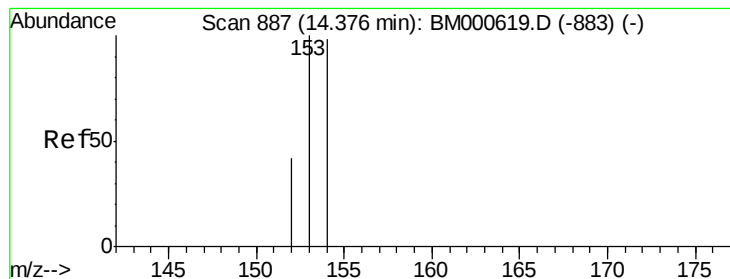
40

20

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: BM000631.D

Acq: 04 Mar 2015 01:06

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-S

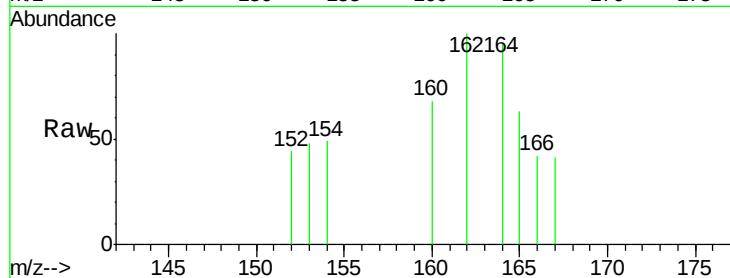
Tgt Ion:153 Resp: 36

Ion Ratio Lower Upper

153 100

152 91.8 34.2 51.2#

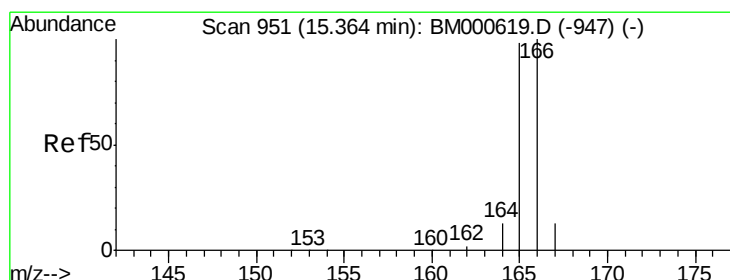
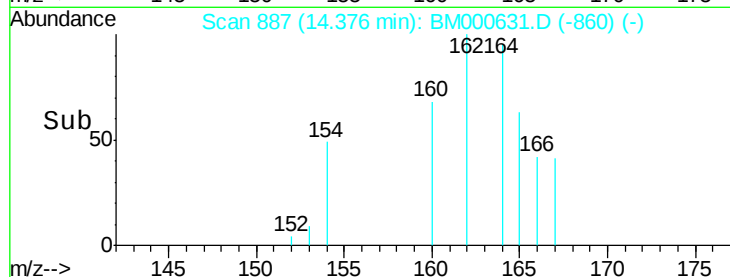
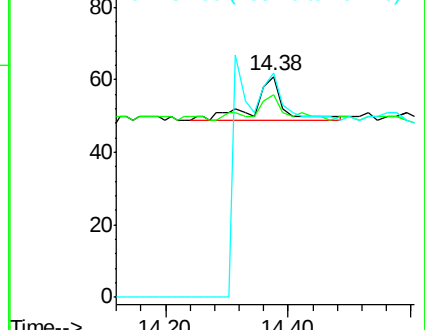
154 101.6 78.8 118.2



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: 15.38 min Scan# 952

Delta R.T. 0.02 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

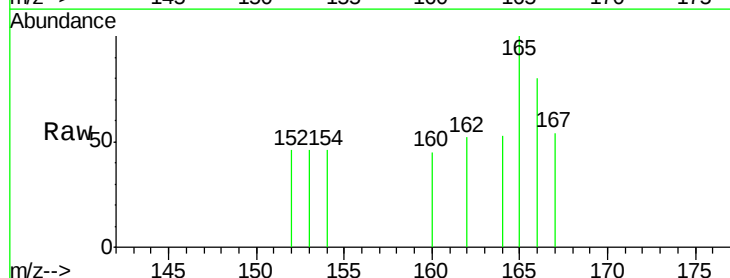
Tgt Ion:166 Resp: 83

Ion Ratio Lower Upper

166 100

165 124.4 78.5 117.7#

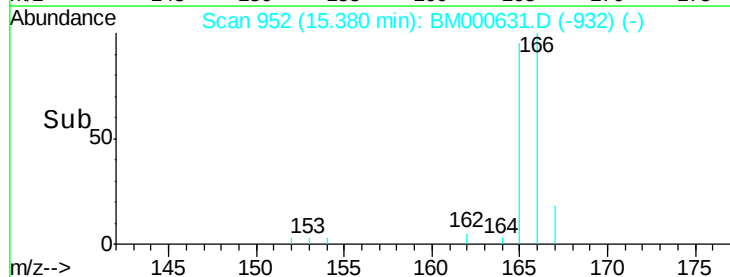
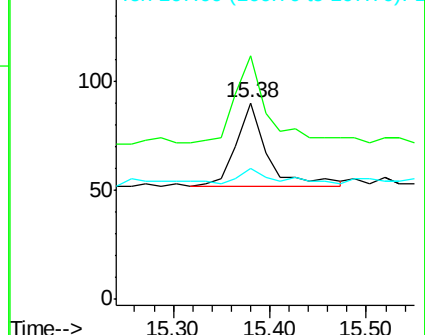
167 66.7 10.6 16.0#

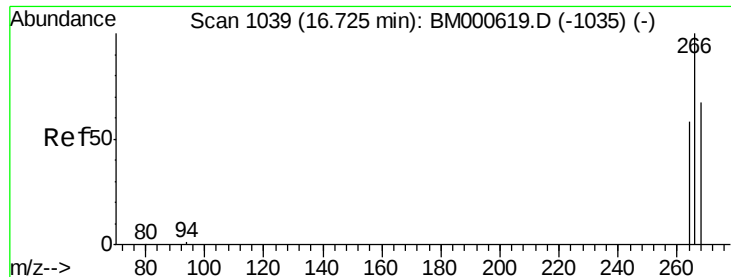


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

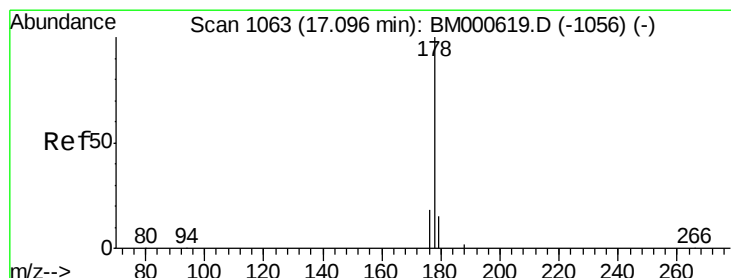
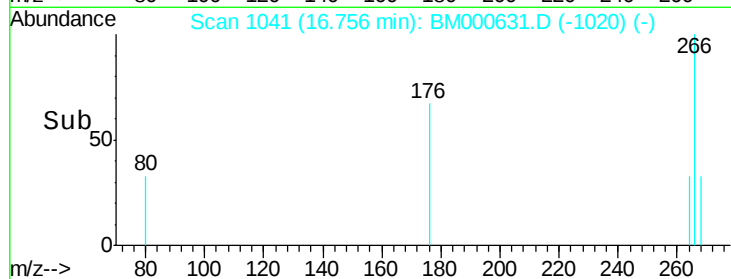
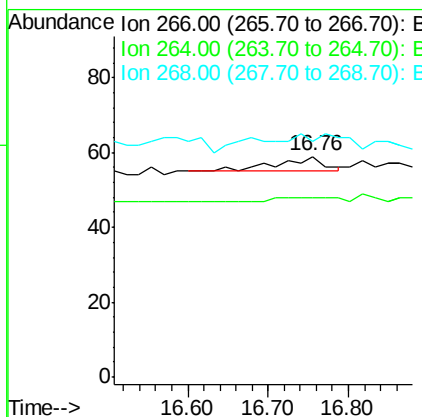
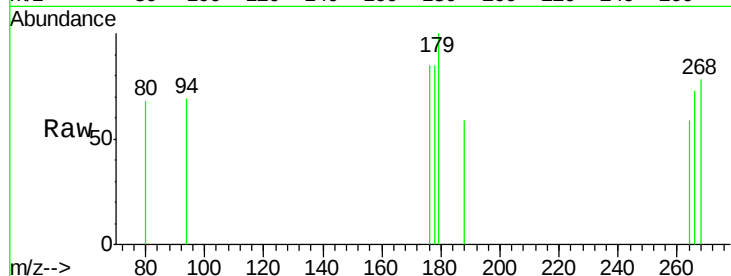




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.76 min Scan# 1041
 Delta R.T. 0.03 min
 Lab File: BM000631.D
 Acq: 04 Mar 2015 01:06

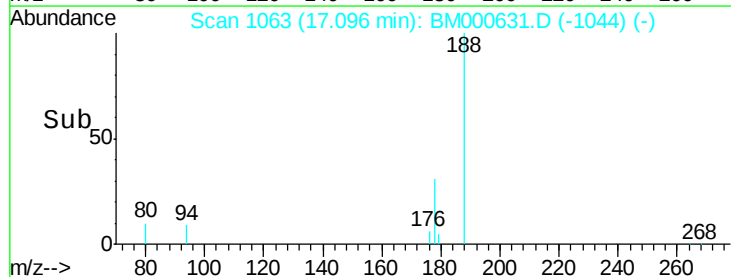
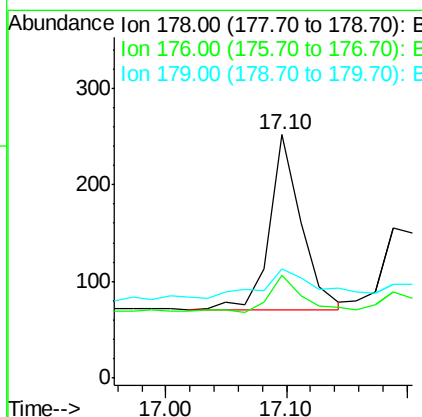
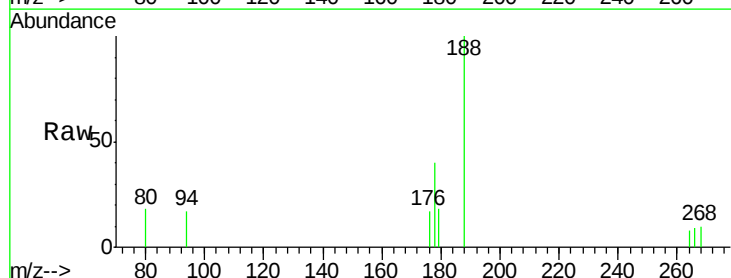
Instrument :
 BNA_M
 ClientSampleId :
 MDL-BLK-S

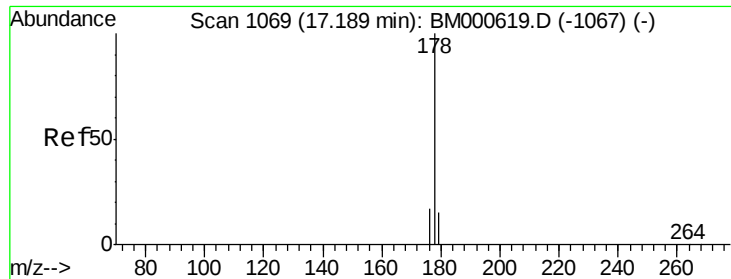
Tgt Ion: 266 Resp: 15
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.0 76.4#
 268 13.3 49.4 74.2#



#14
 Phenanthrene
 Concen: 0.01 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000631.D
 Acq: 04 Mar 2015 01:06

Tgt Ion: 178 Resp: 336
 Ion Ratio Lower Upper
 178 100
 176 42.1 14.8 22.2#
 179 44.8 12.7 19.1#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

Instrument :

BNA_M

ClientSampled :

MDL-BLK-S

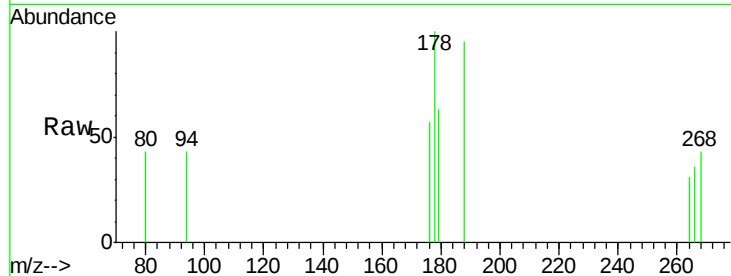
Tgt Ion:178 Resp: 218

Ion Ratio Lower Upper

178 100

176 57.4 14.2 21.4#

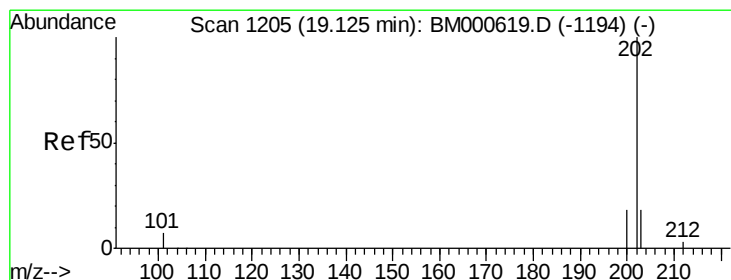
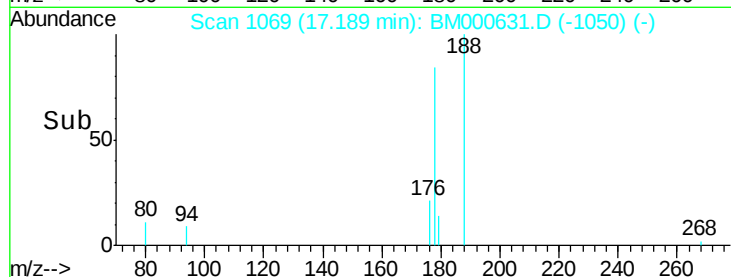
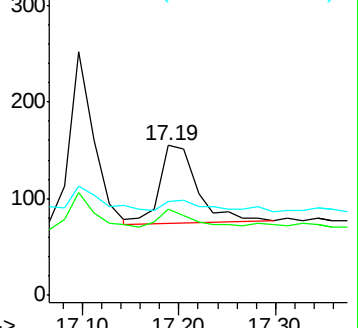
179 62.6 12.8 19.2#



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: 0.01 ng/ul

RT: 19.12 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

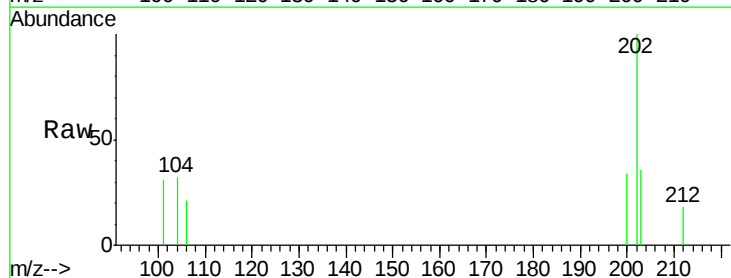
Tgt Ion:202 Resp: 442

Ion Ratio Lower Upper

202 100

101 30.7 0.0 27.0#

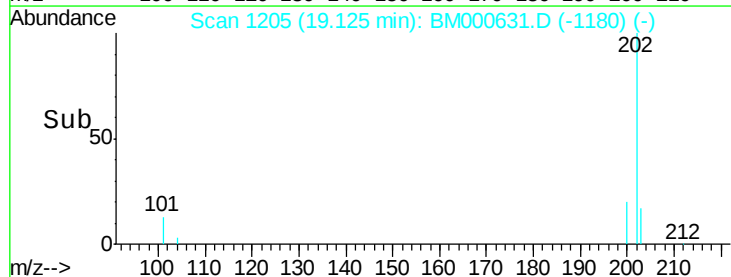
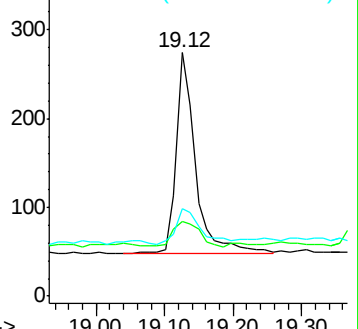
203 36.1 0.0 38.5

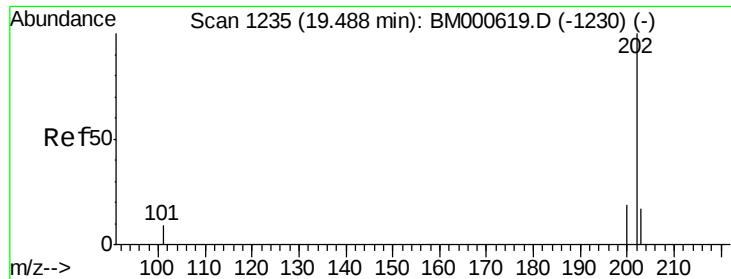


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.01 ng/ul

RT: 19.49 min Scan# 1235

Delta R.T. 0.00 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-S

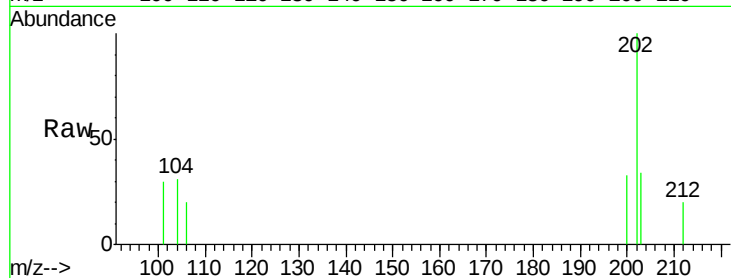
Tgt Ion:202 Resp: 474

Ion Ratio Lower Upper

202 100

200 32.7 15.5 23.3#

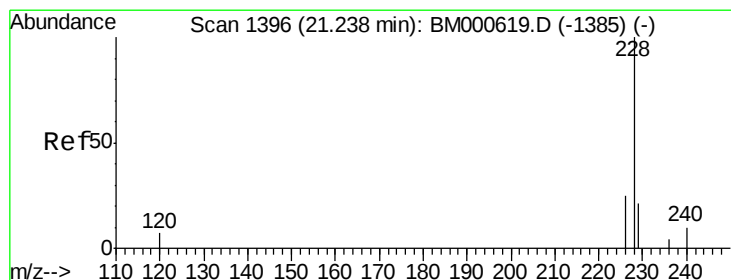
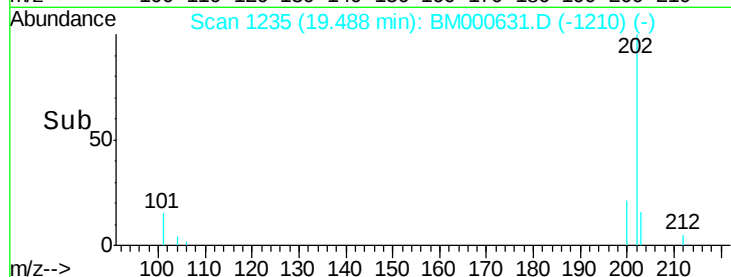
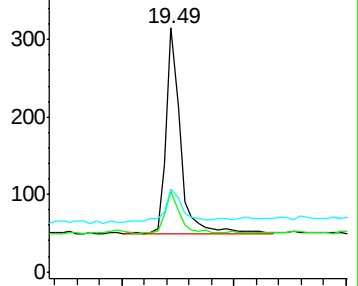
203 34.0 14.2 21.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.24 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

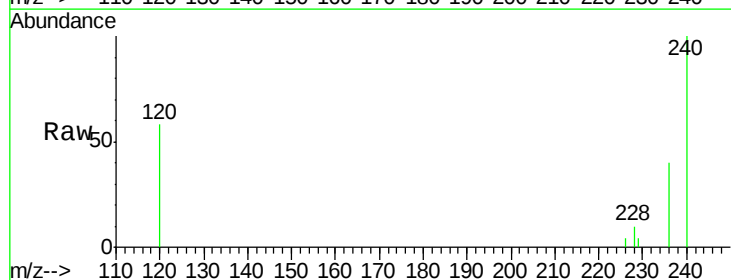
Tgt Ion:228 Resp: 335

Ion Ratio Lower Upper

228 100

226 42.4 20.0 30.0#

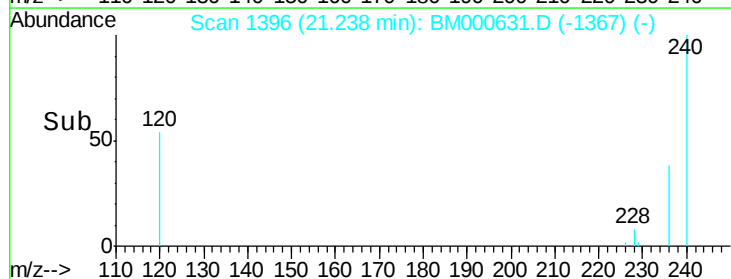
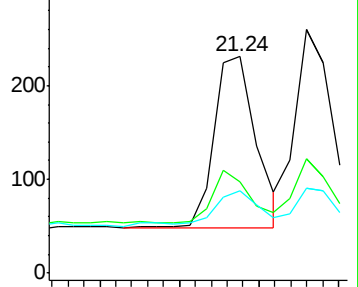
229 38.1 16.7 25.1#

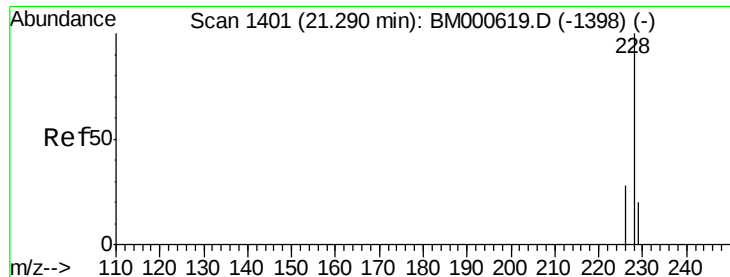


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. -0.01 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-S

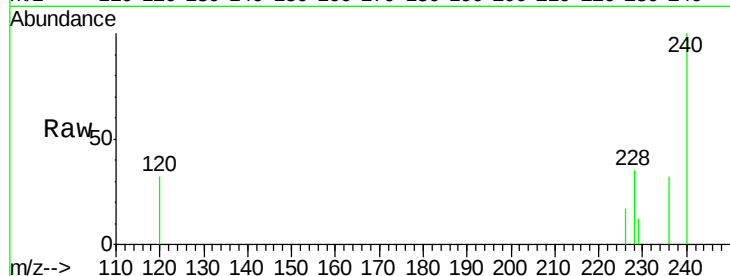
Tgt Ion:228 Resp: 398

Ion Ratio Lower Upper

228 100

226 46.9 22.6 33.8#

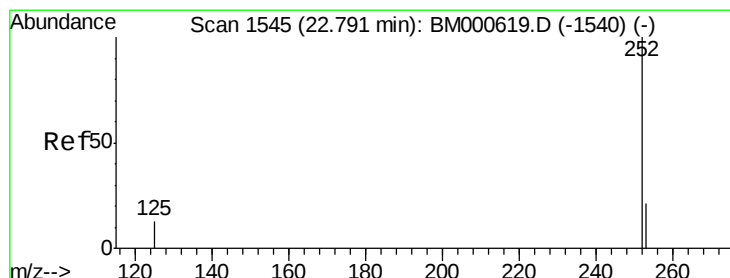
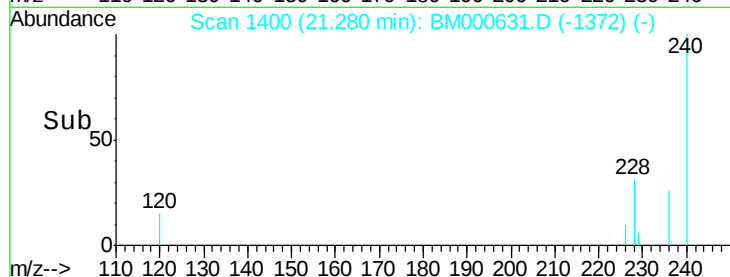
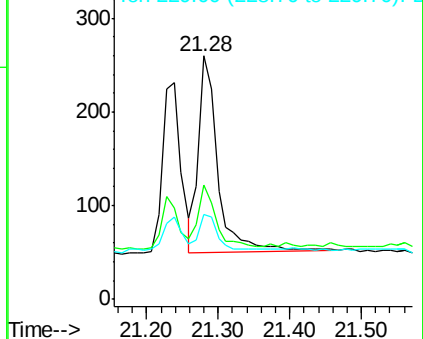
229 35.0 16.4 24.6#



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: 0.01 ng/ul

RT: 22.80 min Scan# 1546

Delta R.T. 0.01 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

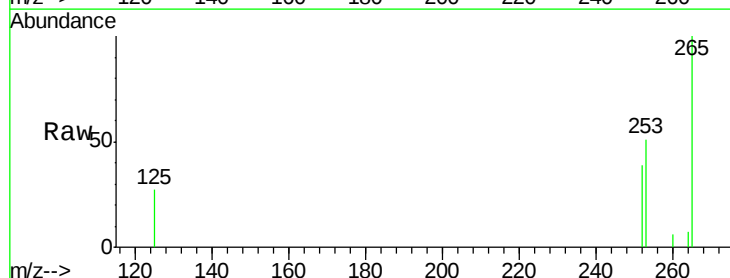
Tgt Ion:252 Resp: 286

Ion Ratio Lower Upper

252 100

253 131.3 0.0 51.2#

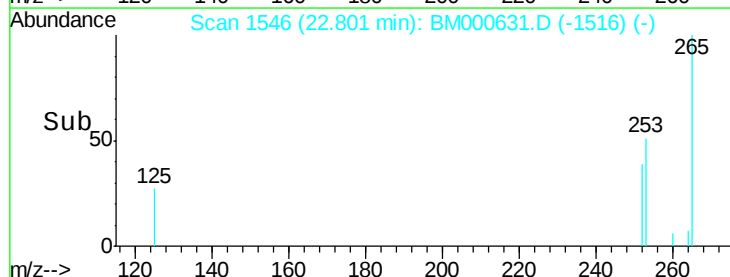
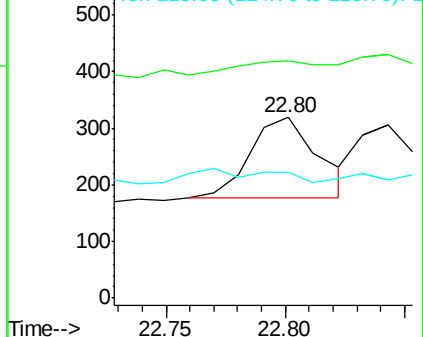
125 69.9 0.0 30.0#

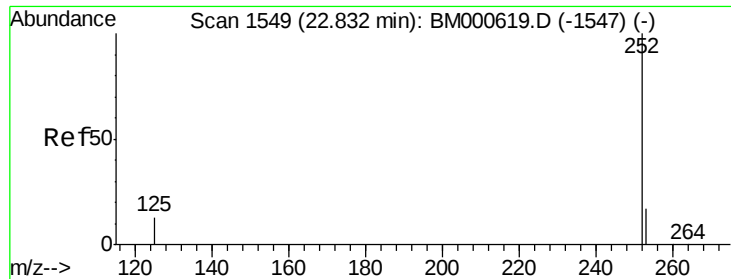


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.80 min Scan# 1546

Delta R.T. -0.03 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-S

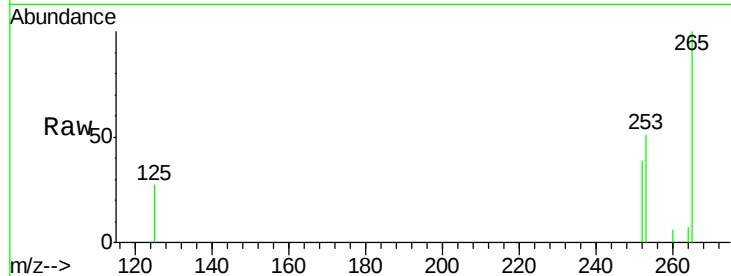
Tgt Ion:252 Resp: 286

Ion Ratio Lower Upper

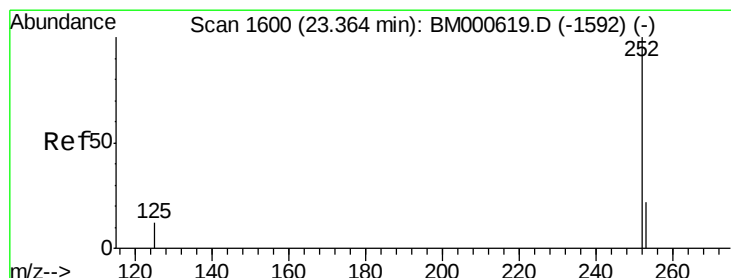
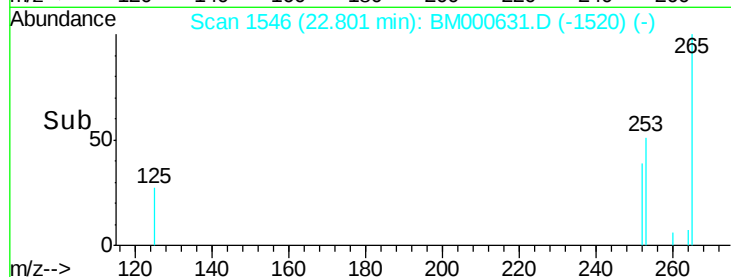
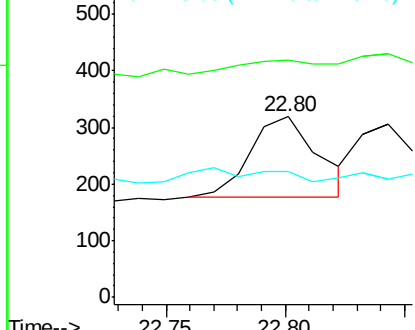
252 100

253 131.3 20.5 30.7#

125 69.9 11.8 17.6#



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



#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

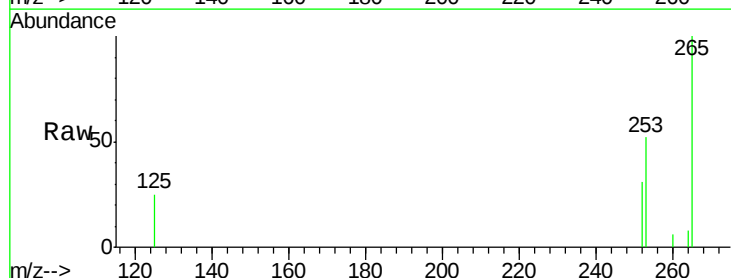
Tgt Ion:252 Resp: 208

Ion Ratio Lower Upper

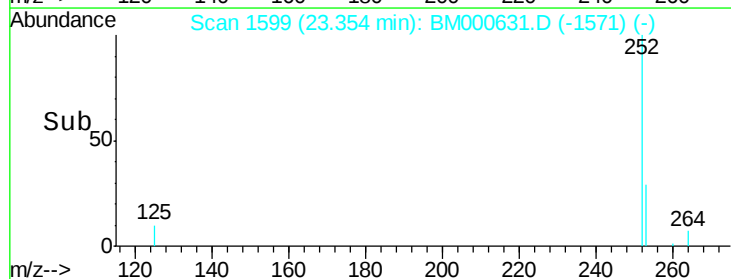
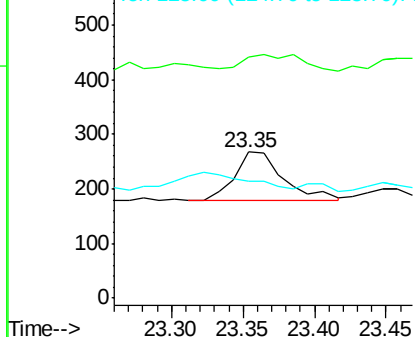
252 100

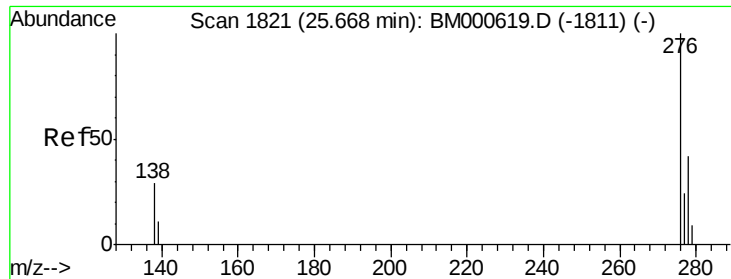
253 164.6 23.4 35.0#

125 79.9 12.2 18.4#



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





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 25.69 min Scan# 1823

Delta R.T. 0.02 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-S

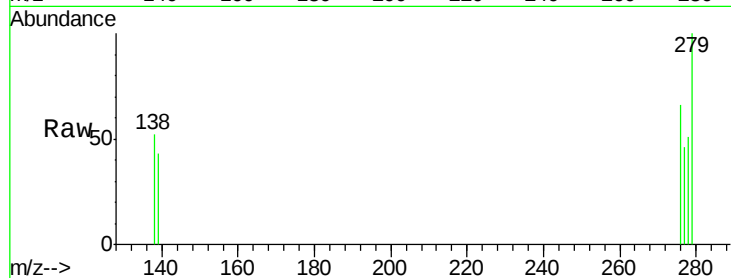
Tgt Ion:276 Resp: 253

Ion Ratio Lower Upper

276 100

138 38.7 23.8 35.8#

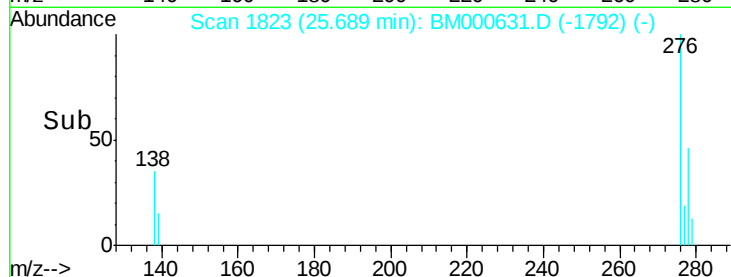
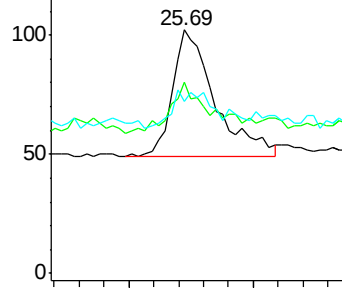
277 25.3 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#27

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 25.71 min Scan# 1825

Delta R.T. 0.02 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

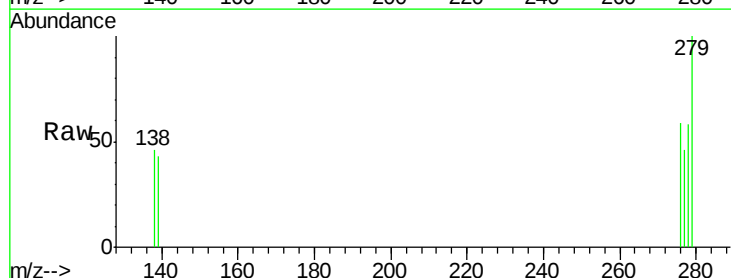
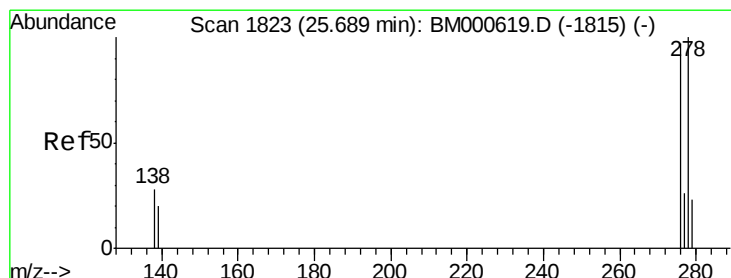
Tgt Ion:278 Resp: 188

Ion Ratio Lower Upper

278 100

139 73.4 17.0 25.6#

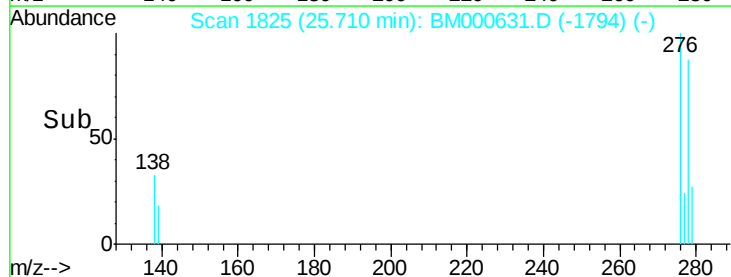
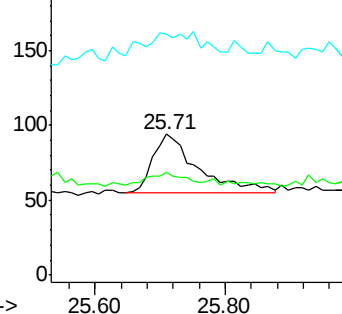
279 171.3 22.3 33.5#

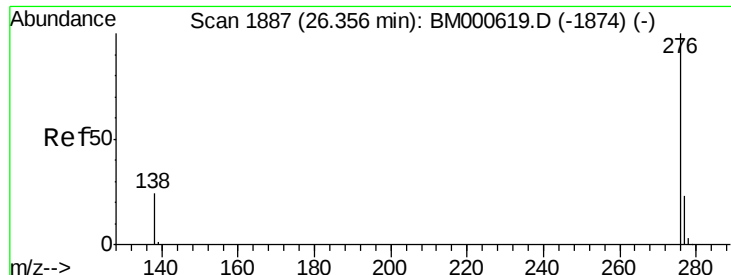


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.01 ng/ul

RT: 26.37 min Scan# 1888

Delta R.T. 0.01 min

Lab File: BM000631.D

Acq: 04 Mar 2015 01:06

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-S

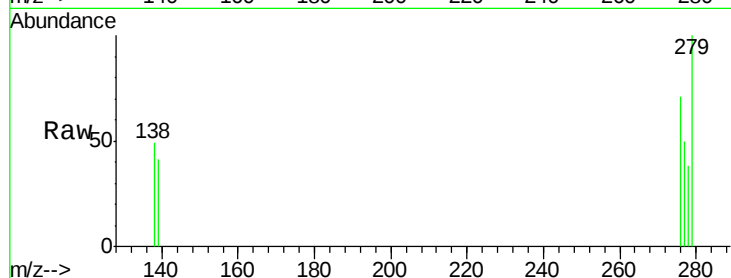
Tgt Ion: 276 Resp: 238

Ion Ratio Lower Upper

276 100

277 71.3 19.9 29.9#

138 69.4 20.6 30.8#



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

