

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008635.D
 Acq On : 24 Dec 2016 16:27
 Operator : UM/SJ
 Sample : H5995-05DL 2X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA867DL

Quant Time: Dec 26 00:01:03 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Dec 25 23:48:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	405	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.43	136	1415	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	893	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.04	188	1761	0.40	ng/ul	-0.02
16) Chrysene-d12	21.26	240	1545	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	1696	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	345	0.16	ng/ul	-0.02
14) Fluoranthene-d10	19.09	212	2025	0.42	ng/ul	0.00

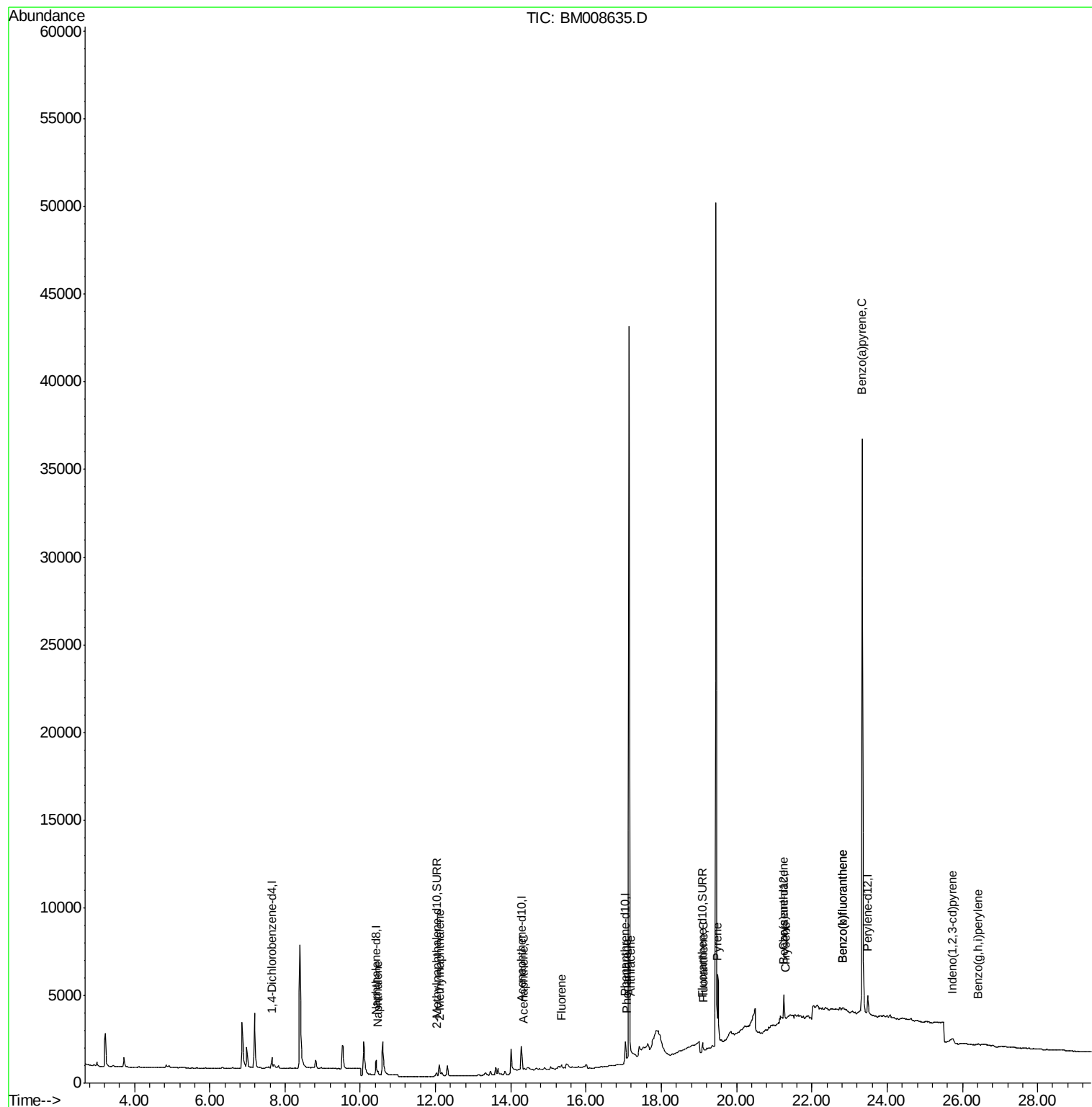
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	375	0.09	ng/ul#	54
5) 2-Methylnaphthalene	12.10	142	663	0.25	ng/ul	90
8) Acenaphthene	14.35	153	94	0.03	ng/ul#	77
9) Fluorene	15.34	166	162	0.05	ng/ul#	47
12) Phenanthrene	17.09	178	428	0.08	ng/ul#	1
13) Anthracene	17.18	178	187	0.04	ng/ul#	1
15) Fluoranthene	19.11	202	4062	0.62	ng/ul#	1
17) Pyrene	19.48	202	469	0.08	ng/ul#	5
18) Benzo(a)anthracene	21.24	228	557	0.11	ng/ul#	1
19) Chrysene	21.29	228	174	0.03	ng/ul#	1
21) Benzo(b)fluoranthene	22.82	252	599	0.09	ng/ul#	1
22) Benzo(k)fluoranthene	22.82	252	652	0.10	ng/ul#	1
23) Benzo(a)pyrene	23.34	252	413	0.07	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.74	276	183	0.02	ng/ul#	1
26) Benzo(g,h,i)perylene	26.43	276	149	0.02	ng/ul#	1

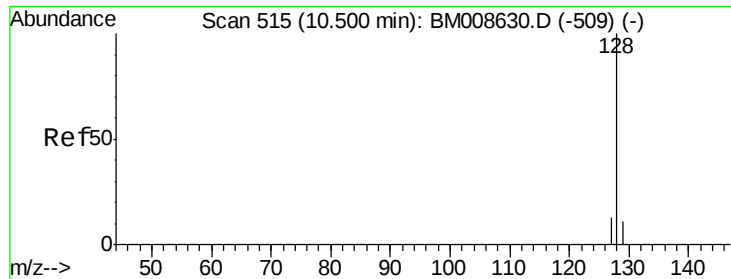
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.09 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.02 min

Lab File: BM008635.D

Acq: 24 Dec 2016 16:27

Instrument :

BNA_M

ClientSampleId :

DA867DL

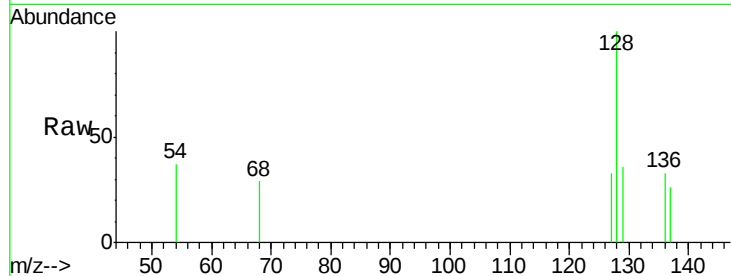
Tgt Ion:128 Resp: 375

Ion Ratio Lower Upper

128 100

129 35.7 11.3 16.9#

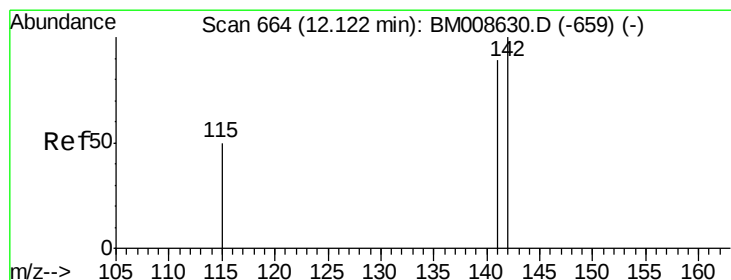
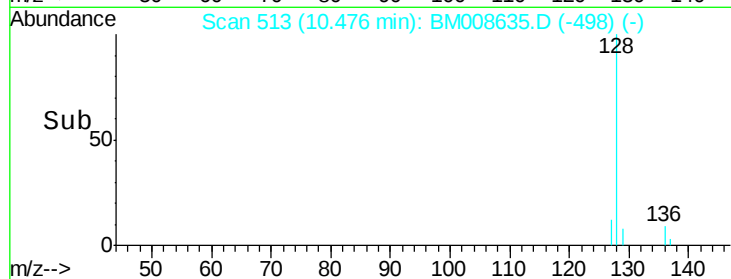
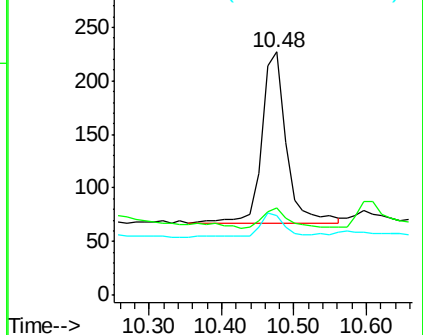
127 32.6 12.8 19.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.25 ng/ul

RT: 12.10 min Scan# 662

Delta R.T. -0.02 min

Lab File: BM008635.D

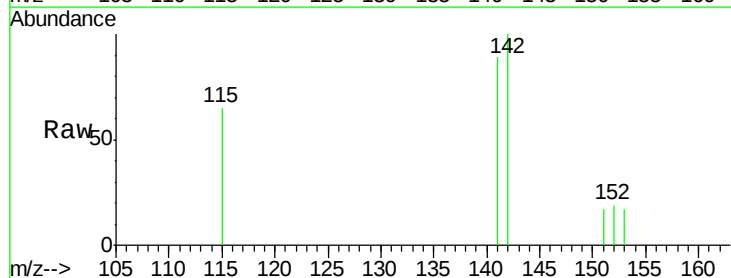
Acq: 24 Dec 2016 16:27

Tgt Ion:142 Resp: 663

Ion Ratio Lower Upper

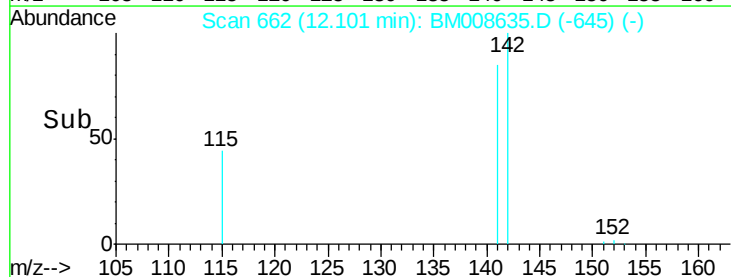
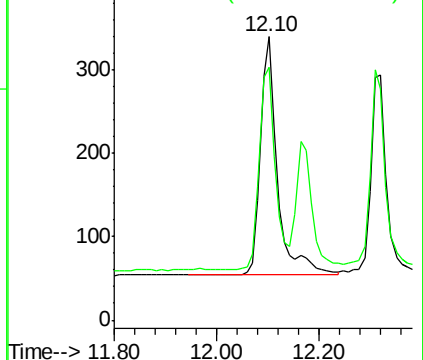
142 100

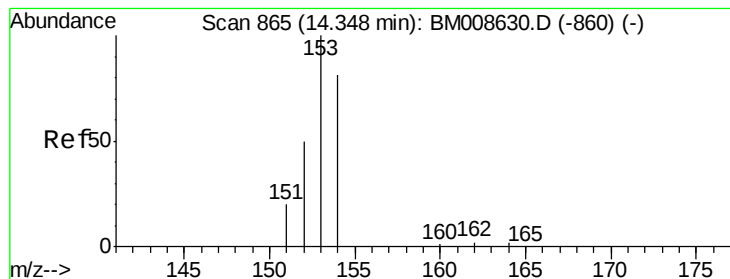
141 80.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.03 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM008635.D

Acq: 24 Dec 2016 16:27

Instrument :

BNA_M

ClientSampleId :

DA867DL

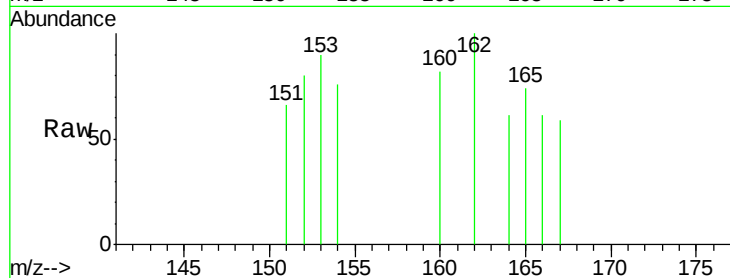
Tgt Ion:153 Resp: 94

Ion Ratio Lower Upper

153 100

152 88.3 40.3 60.5#

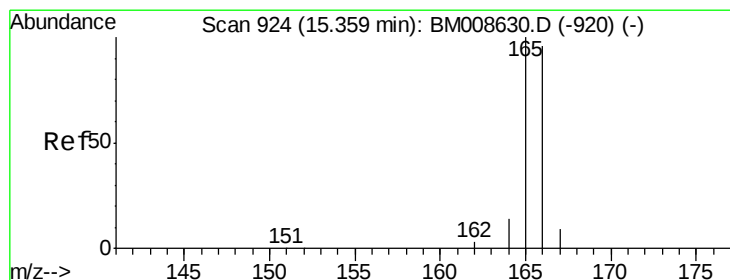
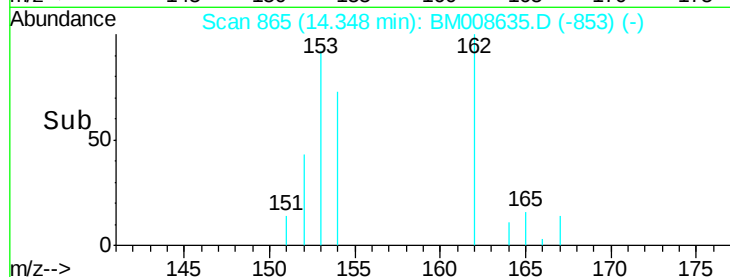
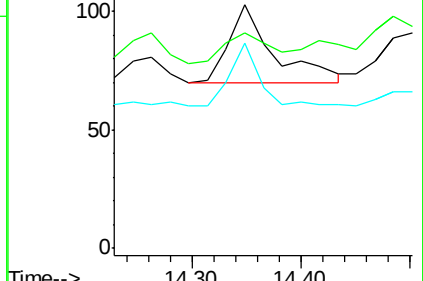
154 84.5 71.4 107.2



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



#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.02 min

Lab File: BM008635.D

Acq: 24 Dec 2016 16:27

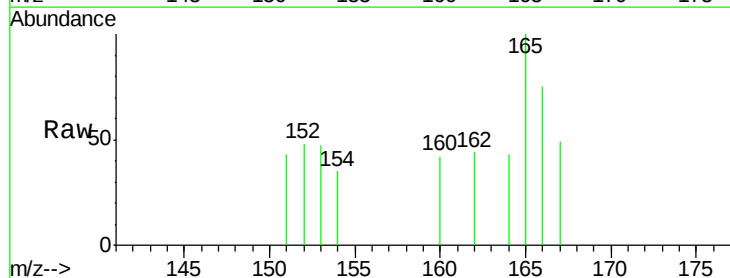
Tgt Ion:166 Resp: 162

Ion Ratio Lower Upper

166 100

165 132.7 73.4 110.2#

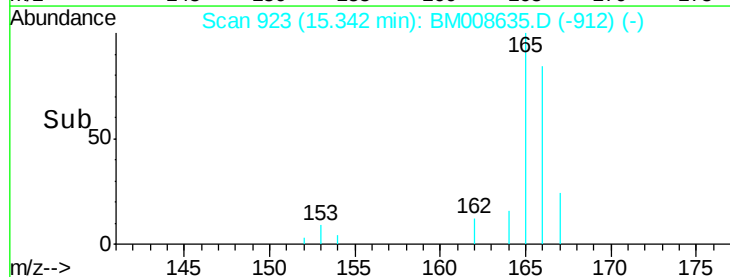
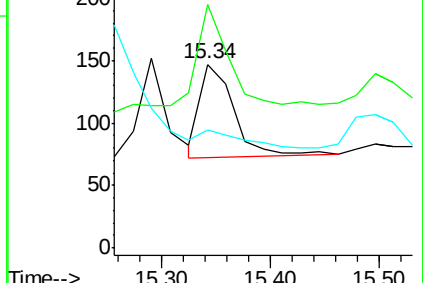
167 64.6 14.6 22.0#

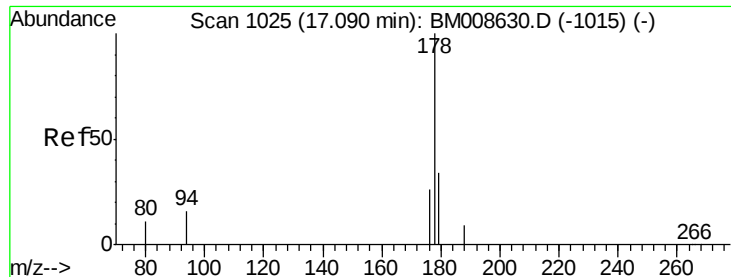


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.08 ng/ul

RT: 17.09 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BM008635.D

Acq: 24 Dec 2016 16:27

Instrument :

BNA_M

ClientSampleId :

DA867DL

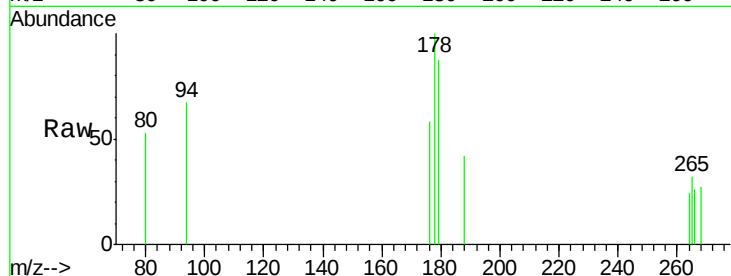
Tgt Ion:178 Resp: 428

Ion Ratio Lower Upper

178 100

176 58.4 18.4 27.6#

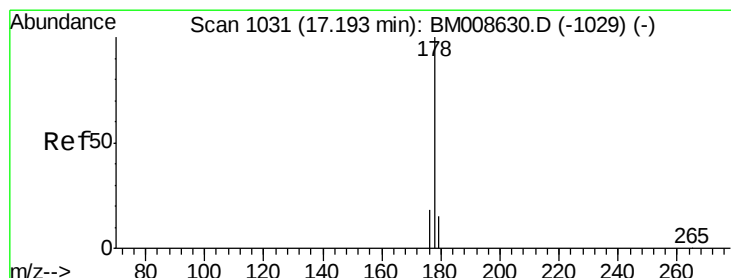
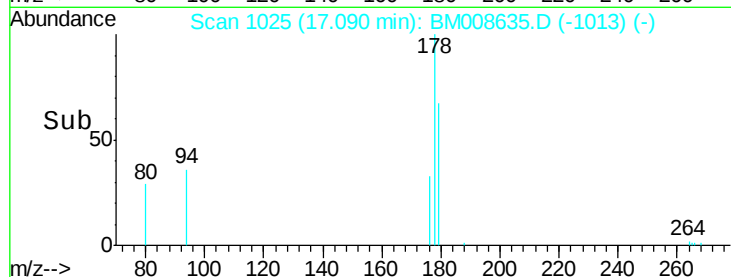
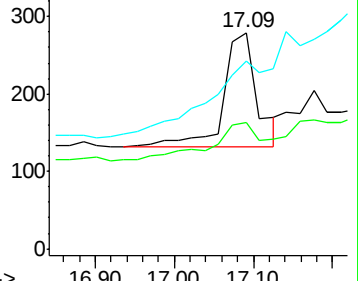
179 86.7 13.6 20.4#



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



#13

Anthracene

Concen: 0.04 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.02 min

Lab File: BM008635.D

Acq: 24 Dec 2016 16:27

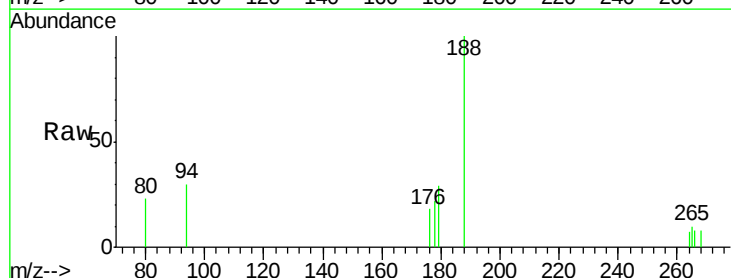
Tgt Ion:178 Resp: 187

Ion Ratio Lower Upper

178 100

176 81.4 18.1 27.1#

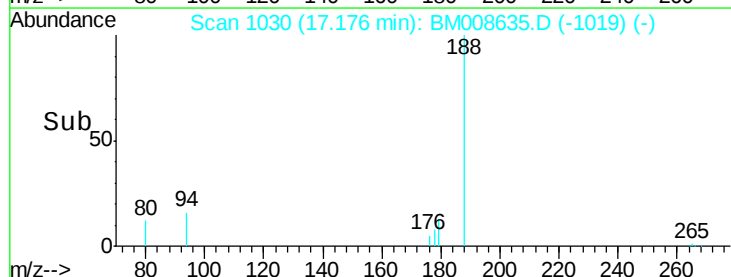
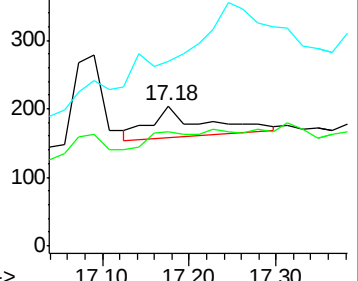
179 132.4 14.7 22.1#

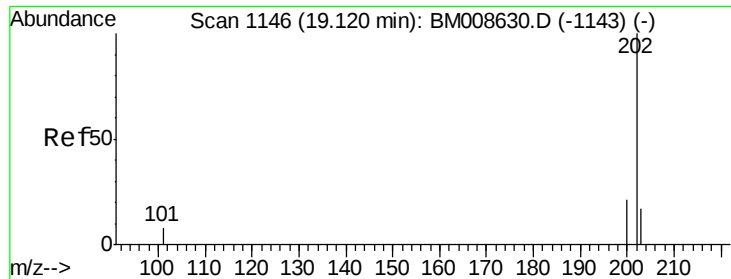


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.62 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.01 min

Lab File: BM008635.D

Acq: 24 Dec 2016 16:27

Instrument :

BNA_M

ClientSampleId :

DA867DL

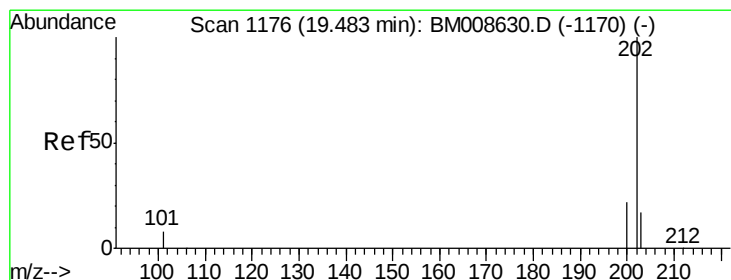
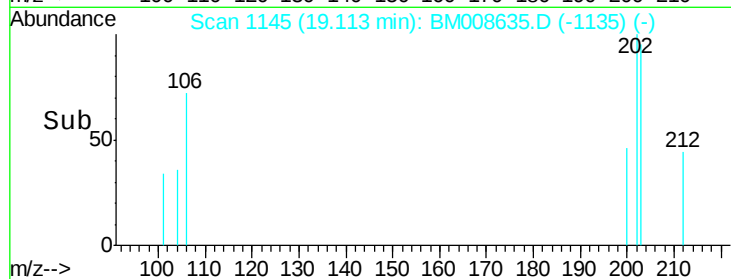
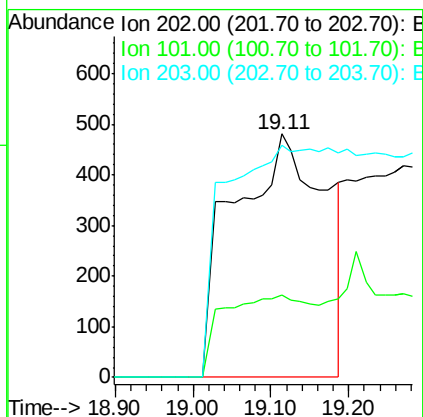
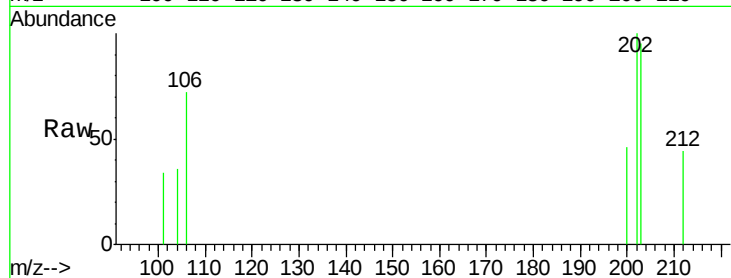
Tgt Ion:202 Resp: 4062

Ion Ratio Lower Upper

202 100

101 33.9 0.0 30.3#

203 95.4 0.0 39.5#



#17

Pyrene

Concen: 0.08 ng/ul

RT: 19.48 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BM008635.D

Acq: 24 Dec 2016 16:27

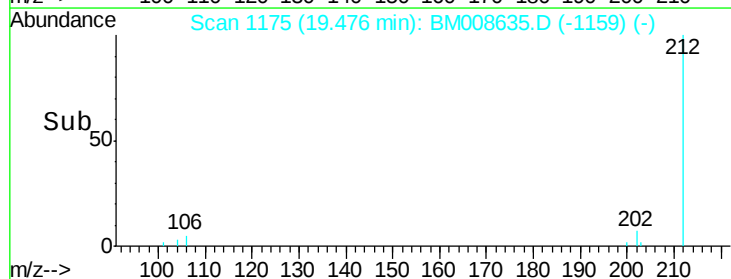
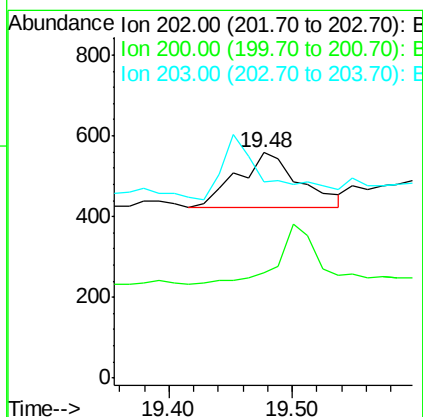
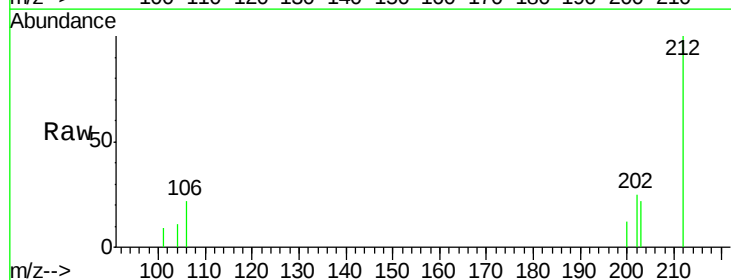
Tgt Ion:202 Resp: 469

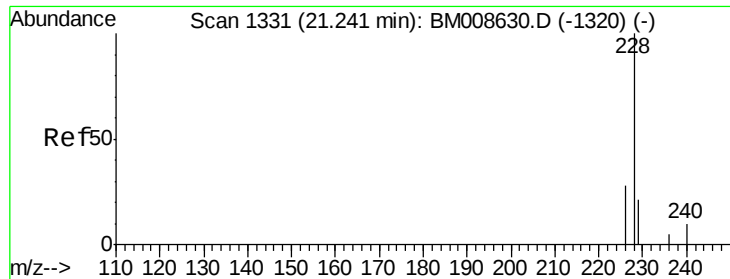
Ion Ratio Lower Upper

202 100

200 46.8 18.2 27.4#

203 87.3 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.11 ng/u1

RT: 21.24 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BM008635.D

Acq: 24 Dec 2016 16:27

Instrument :

BNA_M

ClientSampleId :

DA867DL

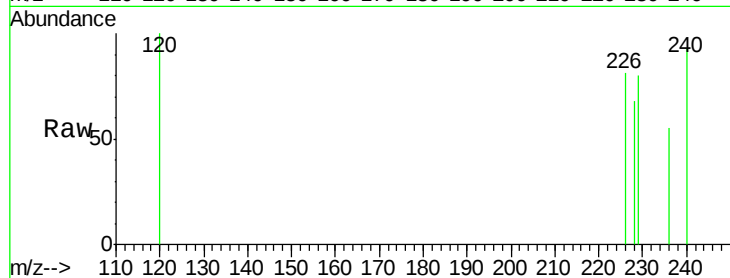
Tgt Ion:228 Resp: 557

Ion Ratio Lower Upper

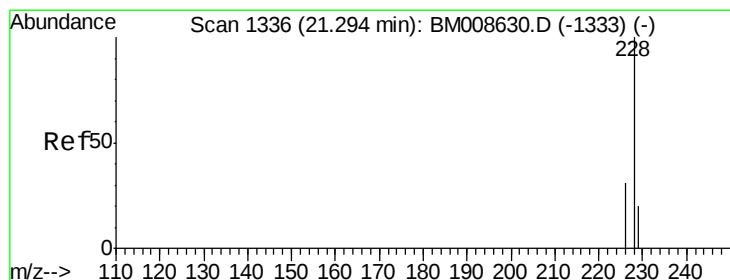
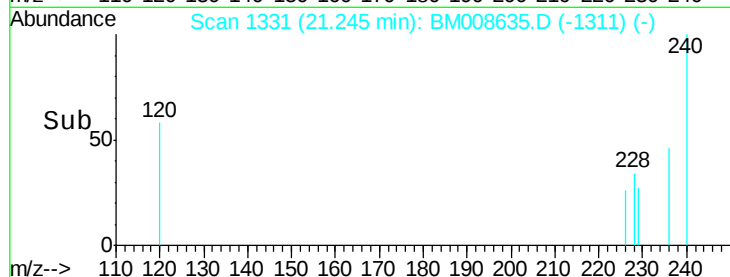
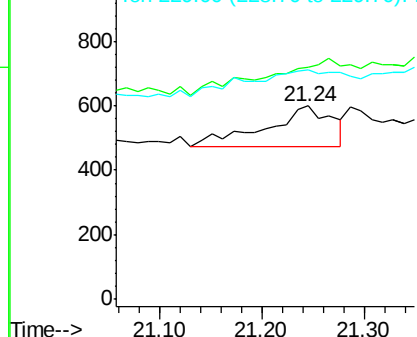
228 100

226 119.7 22.8 34.2#

229 118.3 17.0 25.6#



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



#19

Chrysene

Concen: 0.03 ng/u1

RT: 21.29 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BM008635.D

Acq: 24 Dec 2016 16:27

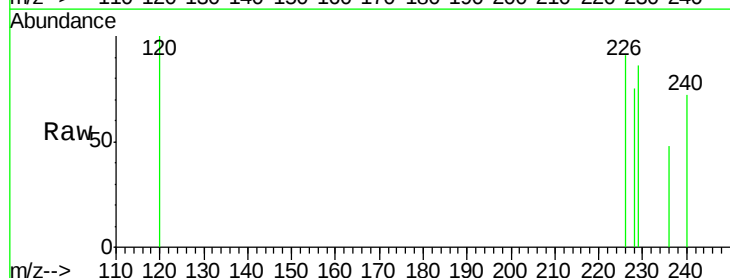
Tgt Ion:228 Resp: 174

Ion Ratio Lower Upper

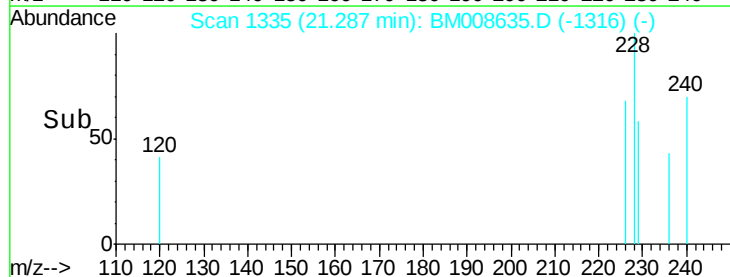
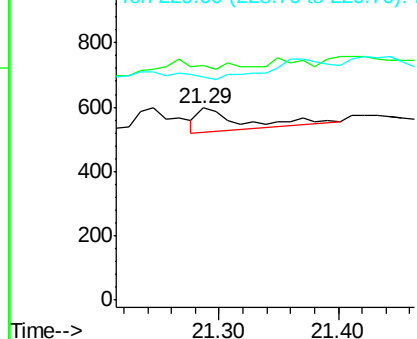
228 100

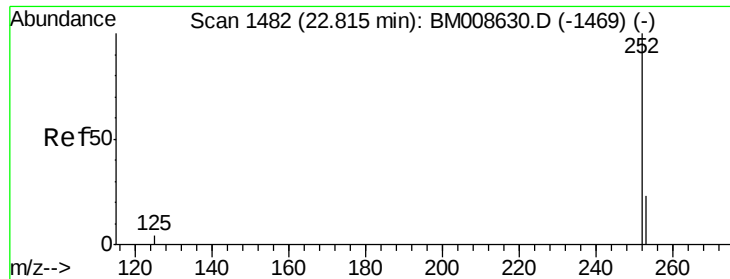
226 121.9 23.4 35.0#

229 115.9 17.7 26.5#



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





#21

Benzo(b)fluoranthene

Concen: 0.09 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BM008635.D

Acq: 24 Dec 2016 16:27

Instrument :

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DA867DL

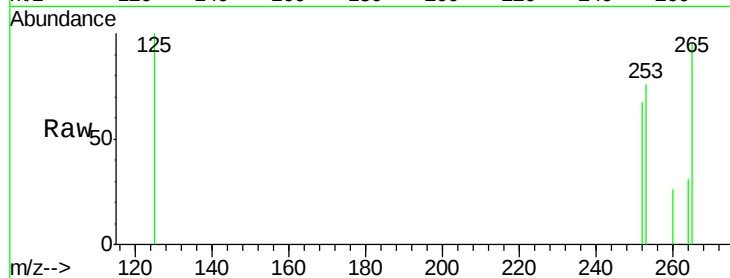
Tgt Ion:252 Resp: 599

Ion Ratio Lower Upper

252 100

253 113.2 0.0 64.2#

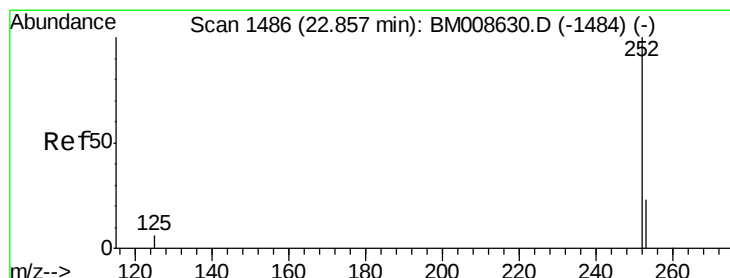
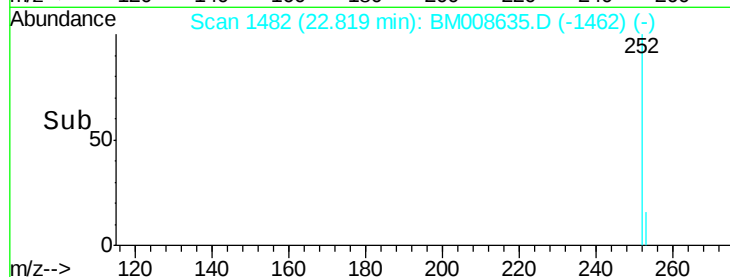
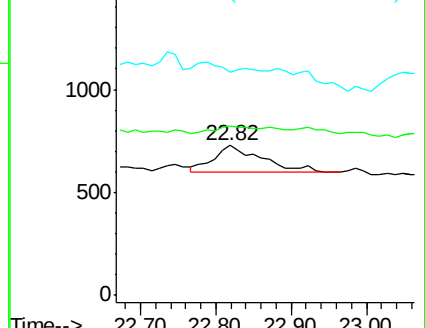
125 149.2 0.0 35.0#



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



#22

Benzo(k)fluoranthene

Concen: 0.10 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.04 min

Lab File: BM008635.D

Acq: 24 Dec 2016 16:27

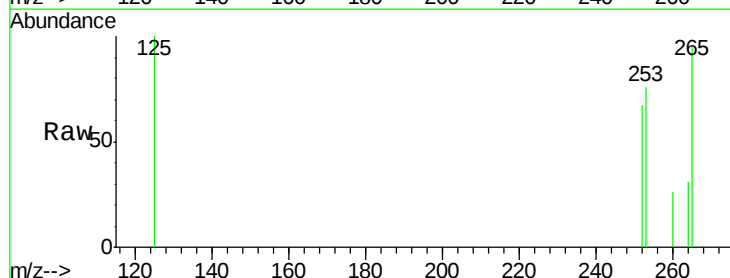
Tgt Ion:252 Resp: 652

Ion Ratio Lower Upper

252 100

253 113.2 24.5 36.7#

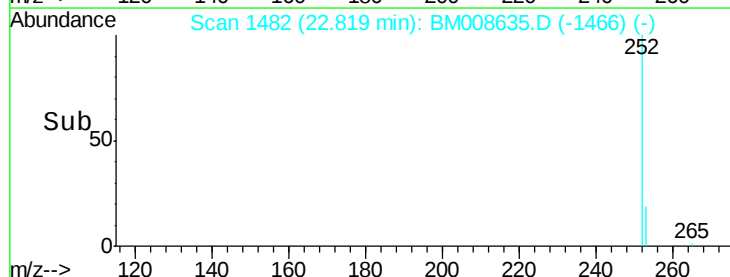
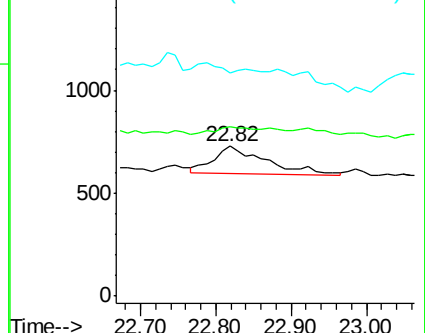
125 149.2 13.7 20.5#

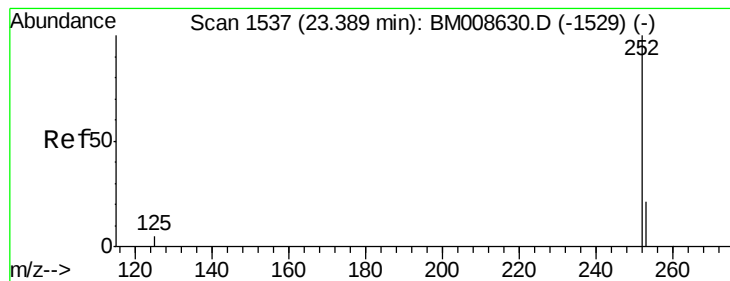


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.07 ng/ul

RT: 23.34 min Scan# 1532

Delta R.T. -0.05 min

Lab File: BM008635.D

Acq: 24 Dec 2016 16:27

Instrument :

BNA_M

ClientSampleId :

DA867DL

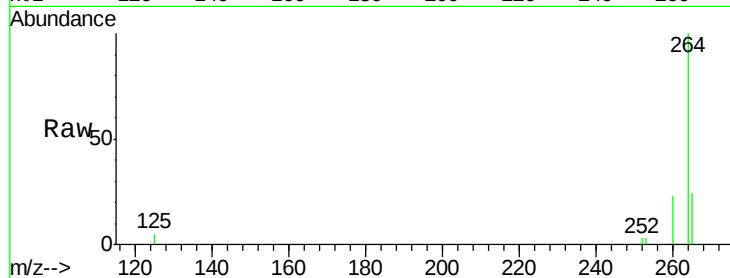
Tgt Ion: 252 Resp: 413

Ion Ratio Lower Upper

252 100

253 118.3 28.5 42.7#

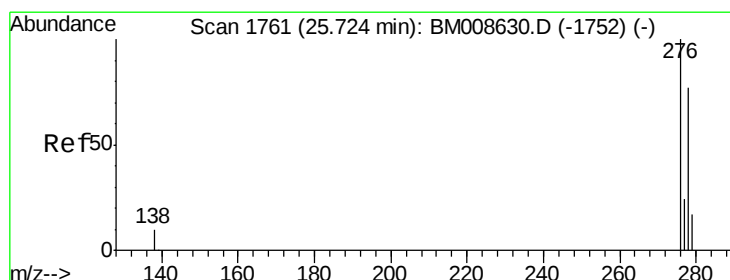
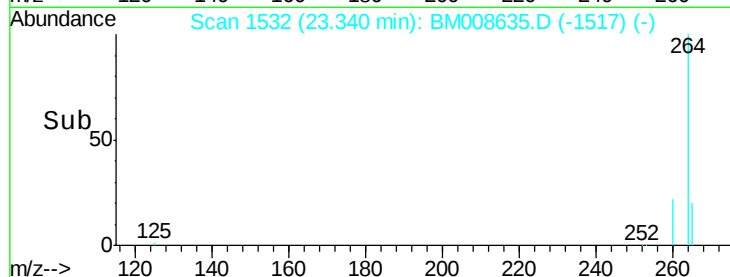
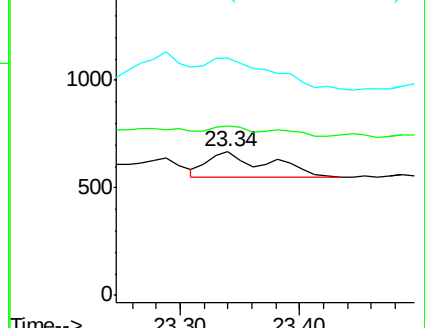
125 165.6 18.1 27.1#



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

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng/ul

RT: 25.74 min Scan# 1762

Delta R.T. 0.01 min

Lab File: BM008635.D

Acq: 24 Dec 2016 16:27

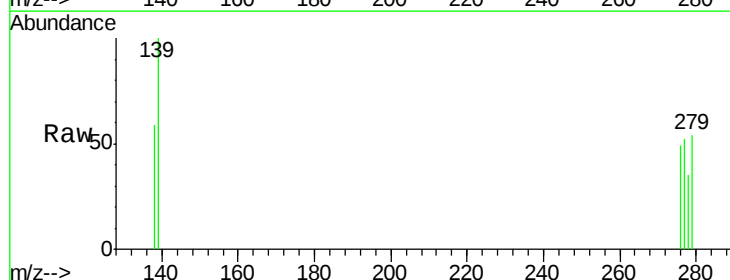
Tgt Ion: 276 Resp: 183

Ion Ratio Lower Upper

276 100

138 0.0 19.1 28.7#

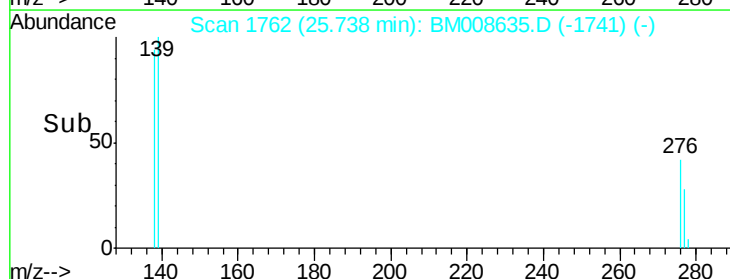
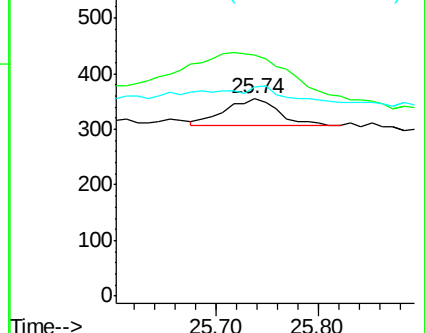
277 136.1 19.6 29.4#

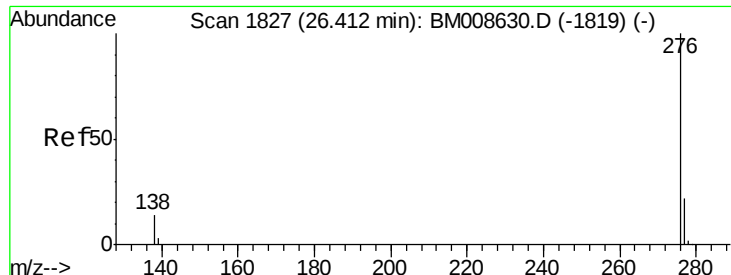


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.02 ng/ul

RT: 26.43 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BM008635.D

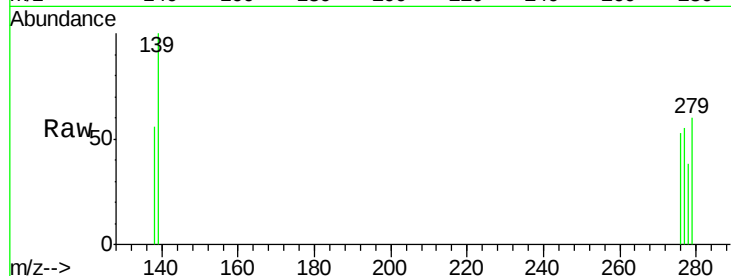
Acq: 24 Dec 2016 16:27

Instrument :

BNA_M

ClientSampleId :

DA867DL



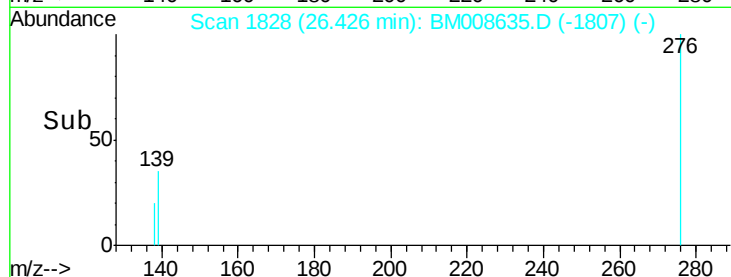
Tgt Ion:276 Resp: 149

Ion Ratio Lower Upper

276 100

277 102.7 21.8 32.8#

138 105.4 20.5 30.7#



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

