

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
 Data File : BM008571.D
 Acq On : 23 Dec 2016 00:28
 Operator : UM/SJ
 Sample : H5970-13DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA852DL

Quant Time: Dec 23 04:18:00 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 04:12:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	382	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.44	136	1264	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	754	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.04	188	1638	0.40	ng/ul	-0.03
16) Chrysene-d12	21.25	240	1420	0.40	ng/ul	-0.01
20) Perylene-d12	23.47	264	1517	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	179	0.09	ng/ul	-0.04
14) Fluoranthene-d10	19.08	212	1545	0.34	ng/ul	-0.02

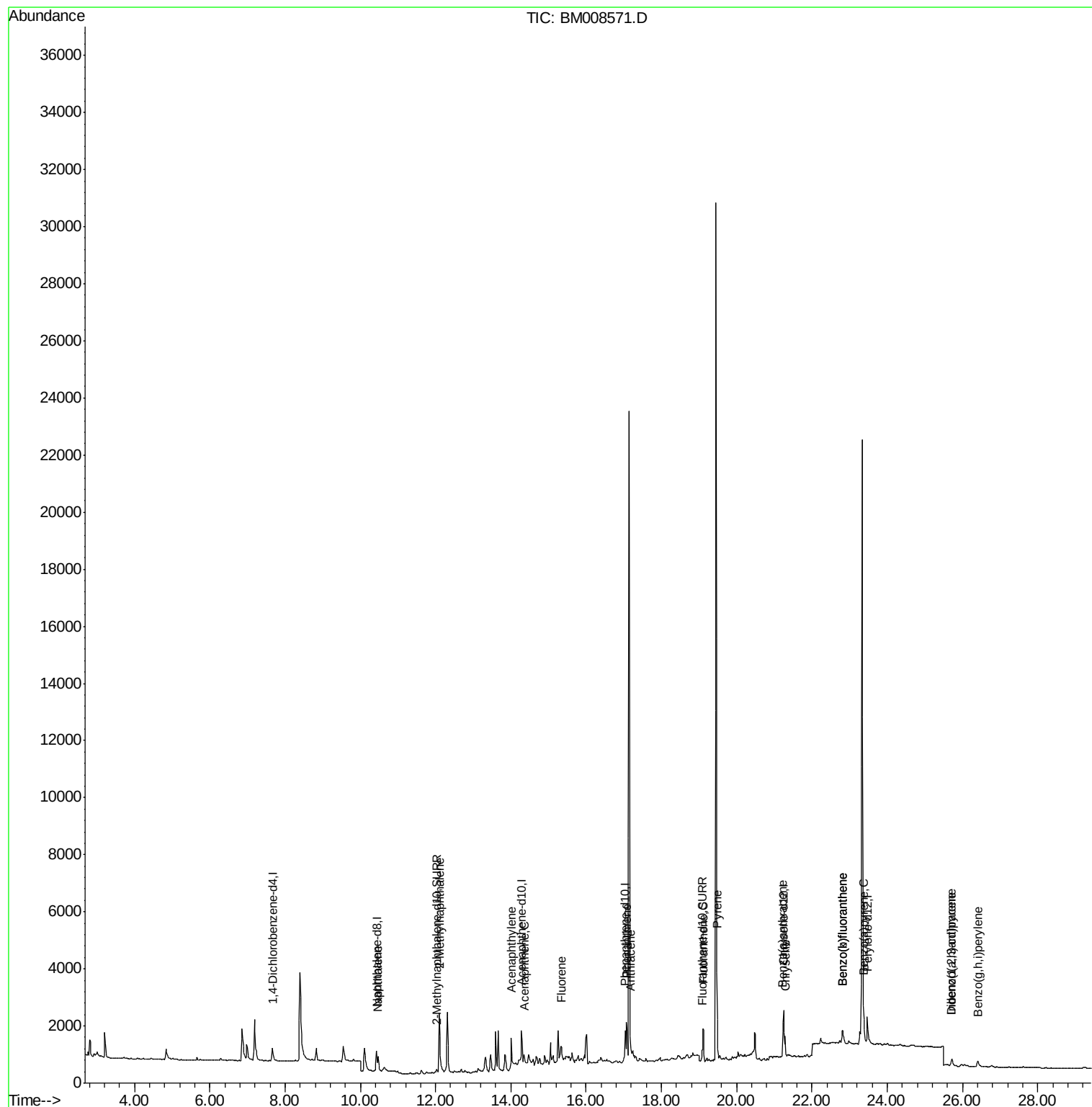
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	900	0.25	ng/ul#	80
5) 2-Methylnaphthalene	12.10	142	1902	0.79	ng/ul	100
7) Acenaphthylene	14.01	152	168	0.05	ng/ul#	1
8) Acenaphthene	14.35	153	195	0.08	ng/ul#	86
9) Fluorene	15.34	166	574	0.20	ng/ul#	63
12) Phenanthrene	17.07	178	2071	0.41	ng/ul#	86
13) Anthracene	17.18	178	286	0.06	ng/ul#	42
15) Fluoranthene	19.11	202	1571	0.26	ng/ul	77
17) Pyrene	19.47	202	1634	0.30	ng/ul#	83
18) Benzo(a)anthracene	21.23	228	763	0.16	ng/ul#	56
19) Chrysene	21.28	228	725	0.14	ng/ul#	56
21) Benzo(b)fluoranthene	22.80	252	1073	0.18	ng/ul#	44
22) Benzo(k)fluoranthene	22.80	252	1073	0.18	ng/ul#	41
23) Benzo(a)pyrene	23.38	252	766	0.14	ng/ul#	52
24) Indeno(1,2,3-cd)pyrene	25.71	276	463	0.07	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.71	278	119	0.02	ng/ul#	1
26) Benzo(g,h,i)perylene	26.40	276	489	0.09	ng/ul#	50

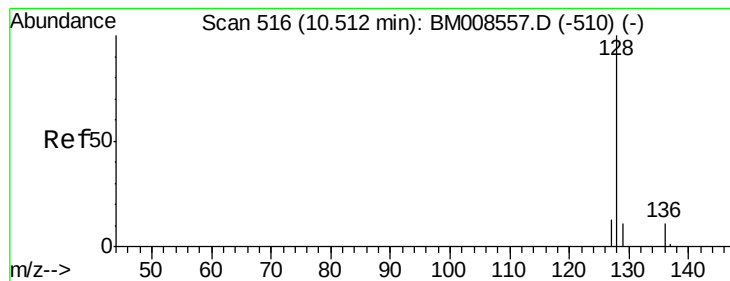
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.25 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.04 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

Instrument :

BNA_M

ClientSampleId :

DA852DL

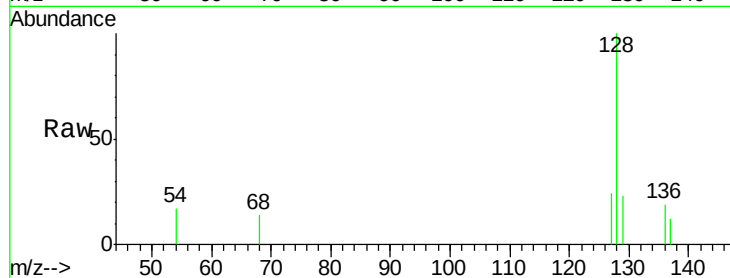
Tgt Ion:128 Resp: 900

Ion Ratio Lower Upper

128 100

129 22.5 11.3 16.9#

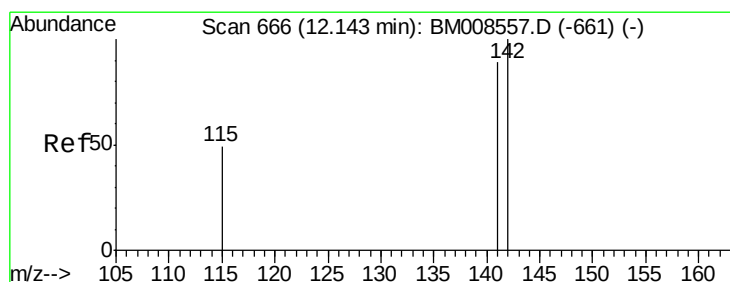
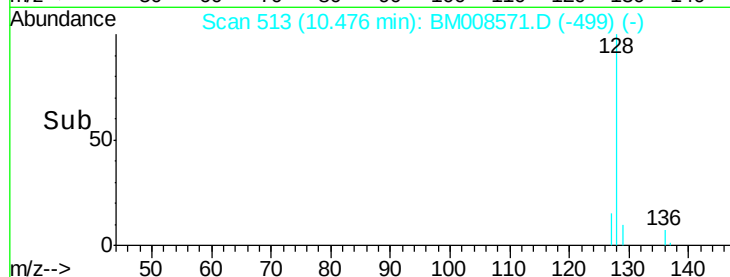
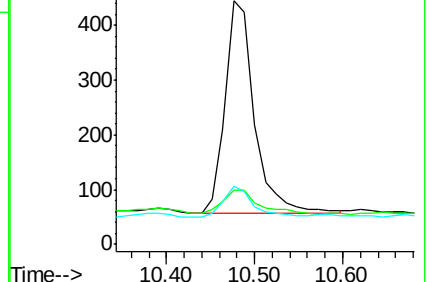
127 24.1 12.8 19.2#



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: 0.79 ng/ul

RT: 12.10 min Scan# 662

Delta R.T. -0.04 min

Lab File: BM008571.D

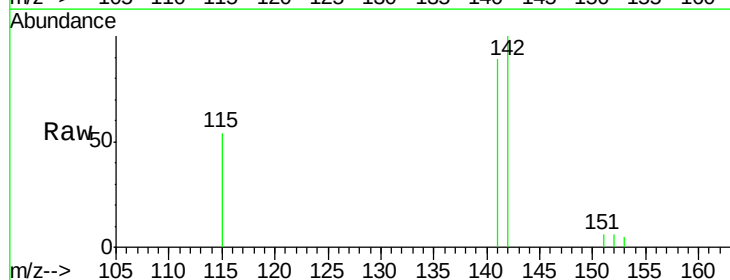
Acq: 23 Dec 2016 00:28

Tgt Ion:142 Resp: 1902

Ion Ratio Lower Upper

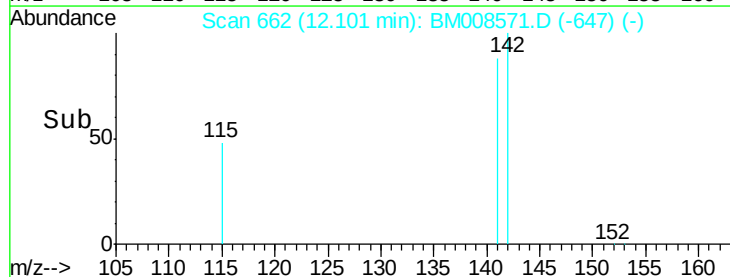
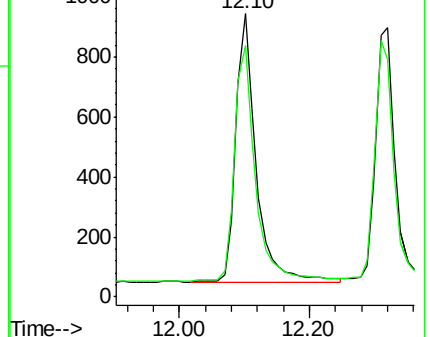
142 100

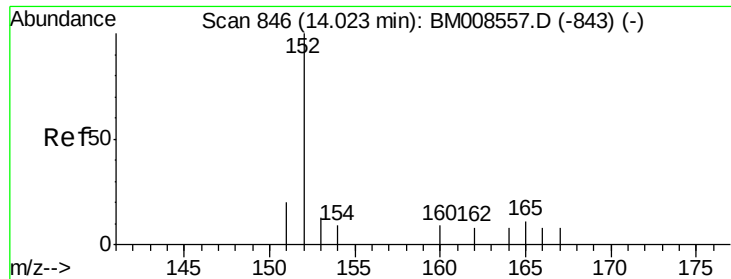
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.02 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

Instrument :

BNA_M

ClientSampled :

DA852DL

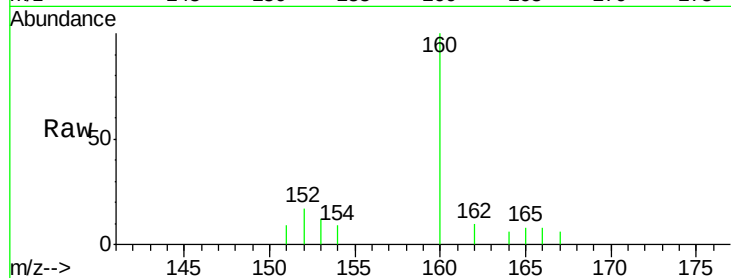
Tgt Ion:152 Resp: 168

Ion Ratio Lower Upper

152 100

151 56.3 17.1 25.7#

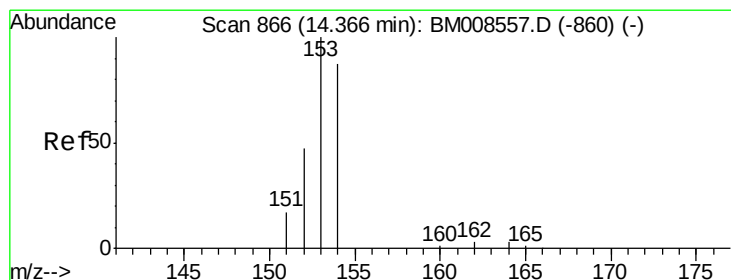
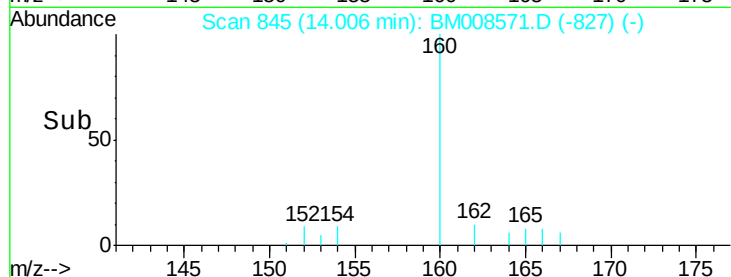
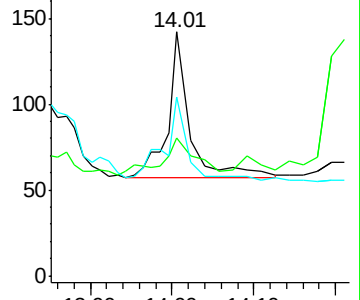
153 73.2 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.08 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.02 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

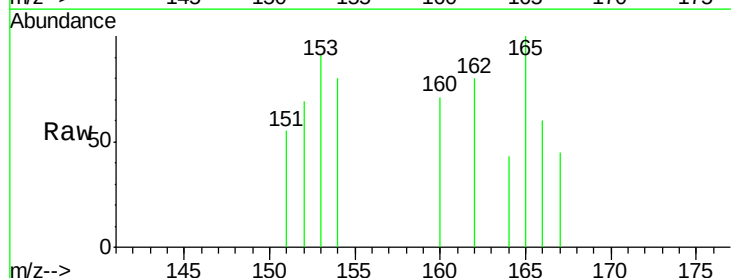
Tgt Ion:153 Resp: 195

Ion Ratio Lower Upper

153 100

152 76.2 40.3 60.5#

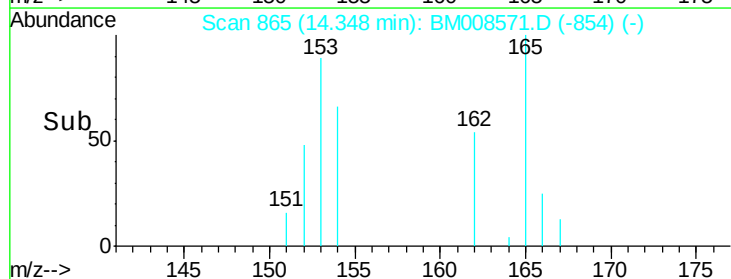
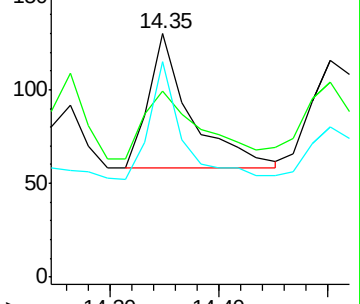
154 88.5 71.4 107.2

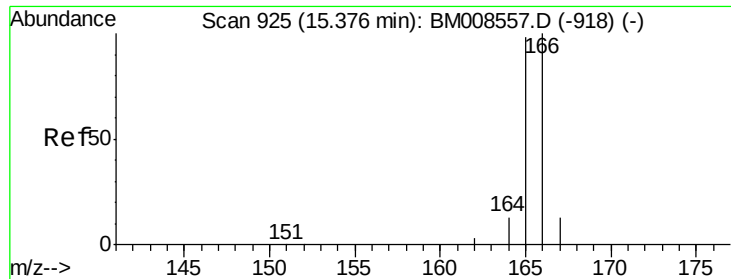


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.20 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.03 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

Instrument :

BNA_M

ClientSampleId :

DA852DL

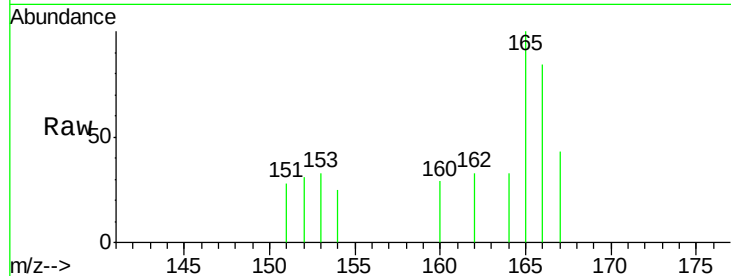
Tgt Ion:166 Resp: 574

Ion Ratio Lower Upper

166 100

165 119.7 73.4 110.2#

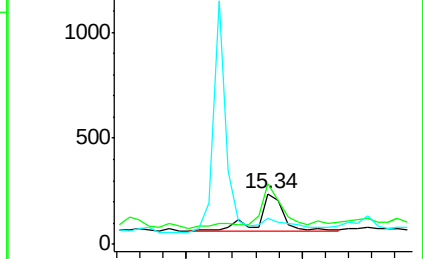
167 51.5 14.6 22.0#



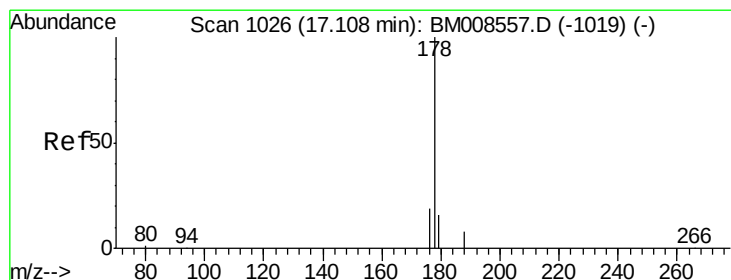
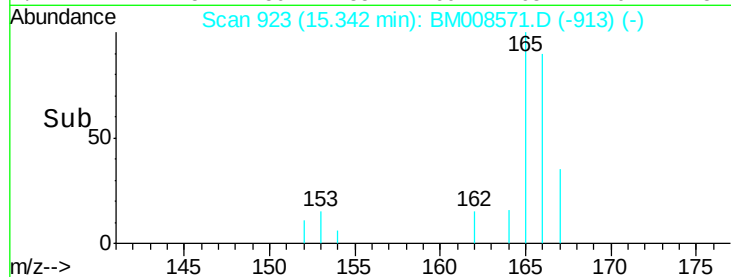
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.03 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

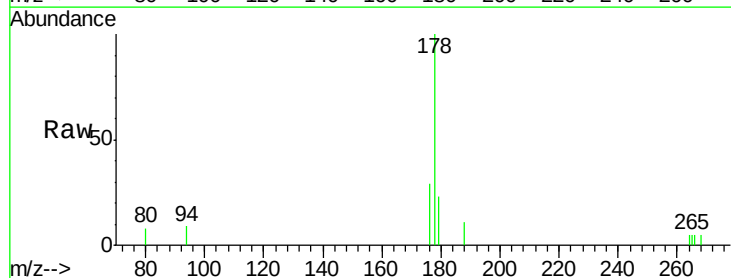
Tgt Ion:178 Resp: 2071

Ion Ratio Lower Upper

178 100

176 29.3 18.4 27.6#

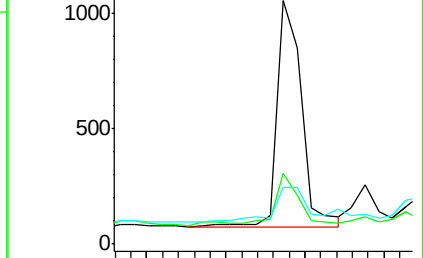
179 23.3 13.6 20.4#



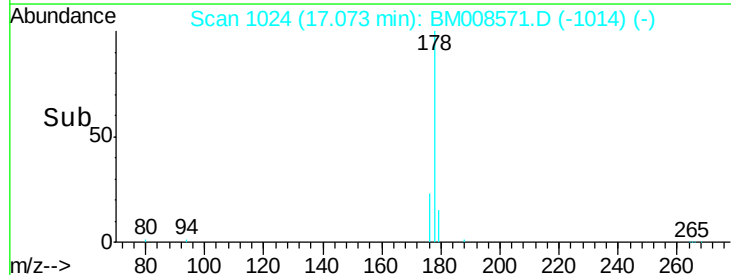
Abundance Ion 178.00 (177.70 to 178.70): E

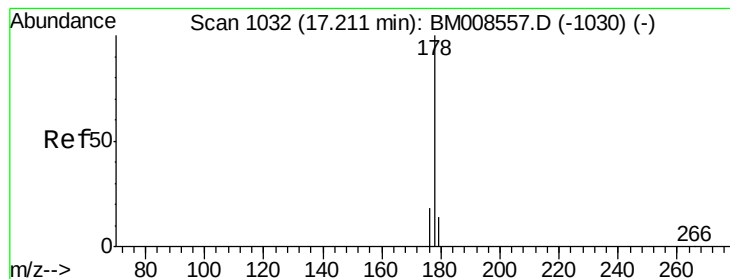
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#13

Anthracene

Concen: 0.06 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.03 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

Instrument :

BNA_M

ClientSampleId :

DA852DL

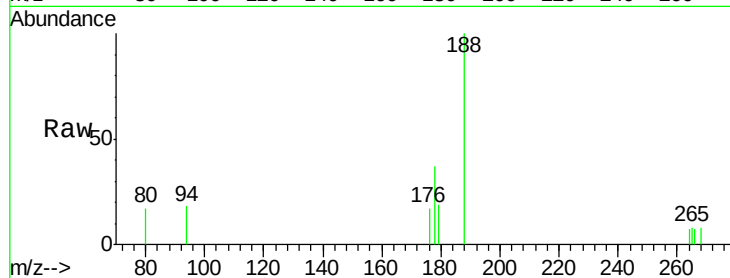
Tgt Ion:178 Resp: 286

Ion Ratio Lower Upper

178 100

176 45.8 18.1 27.1#

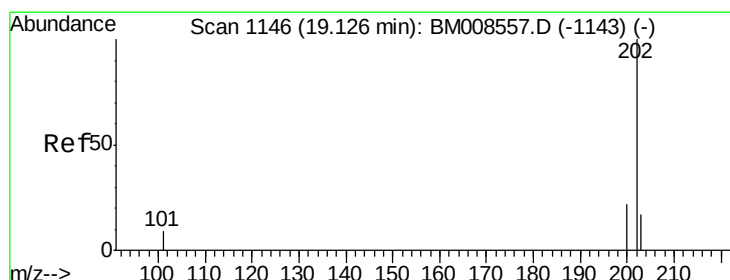
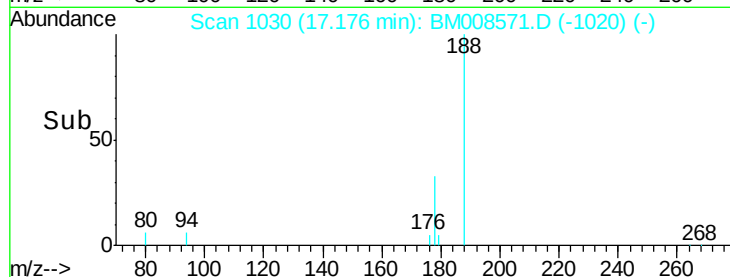
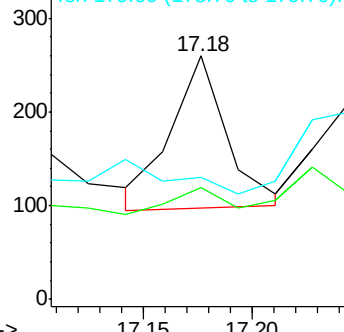
179 50.0 14.7 22.1#



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: 0.26 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

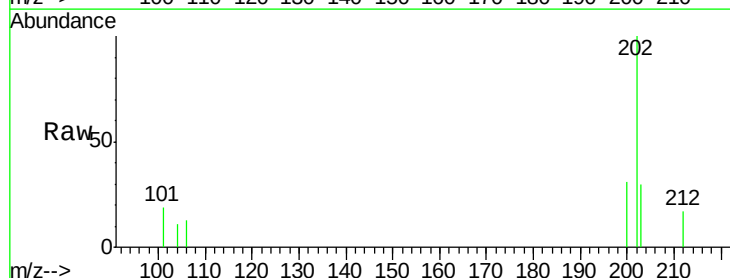
Tgt Ion:202 Resp: 1571

Ion Ratio Lower Upper

202 100

101 18.9 0.0 30.3

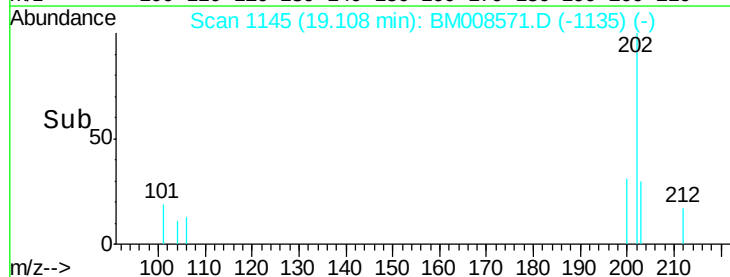
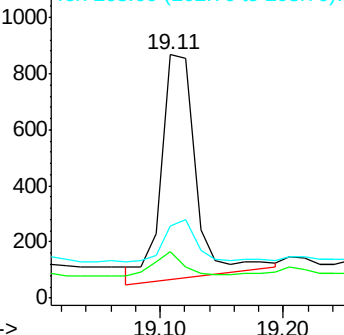
203 29.7 0.0 39.5

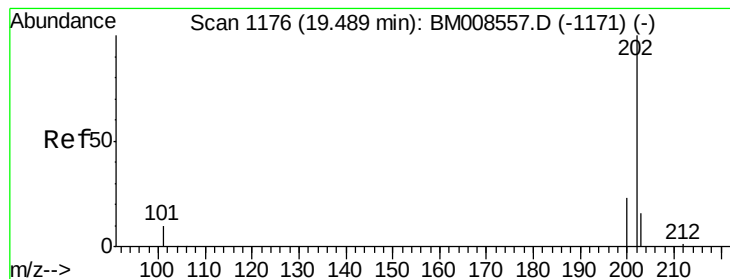


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pyrene

Concen: 0.30 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. -0.02 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

Instrument :

BNA_M

ClientSampleId :

DA852DL

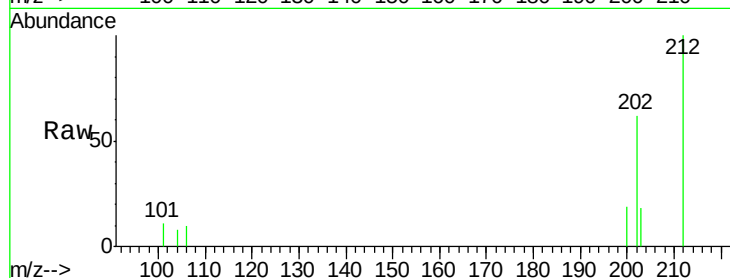
Tgt Ion:202 Resp: 1634

Ion Ratio Lower Upper

202 100

200 30.0 18.2 27.4#

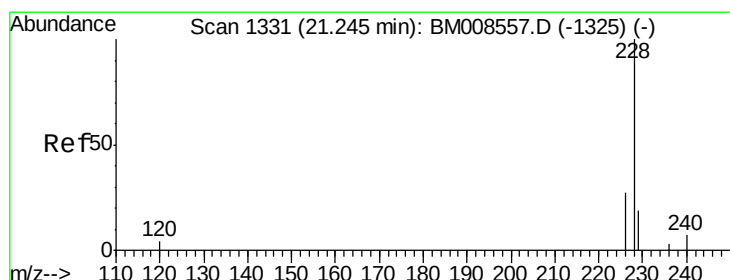
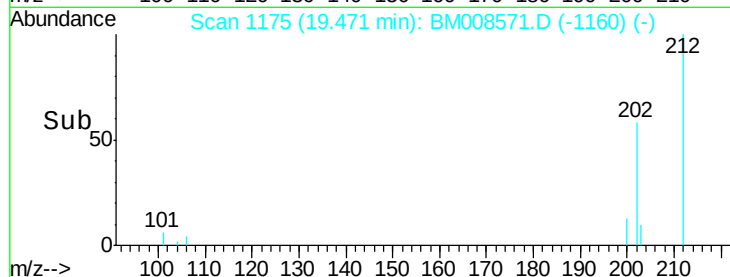
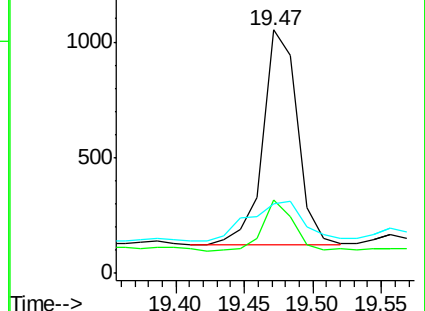
203 28.4 15.6 23.4#



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



#18

Benzo(a)anthracene

Concen: 0.16 ng/ul

RT: 21.23 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

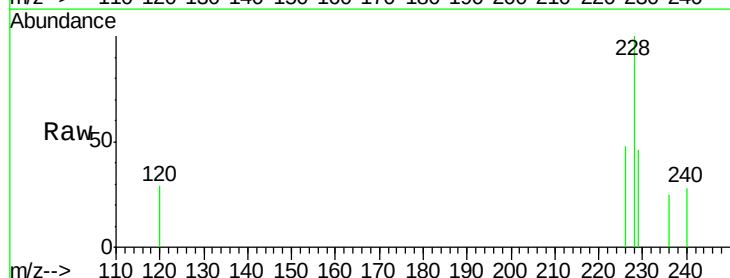
Tgt Ion:228 Resp: 763

Ion Ratio Lower Upper

228 100

226 48.5 22.8 34.2#

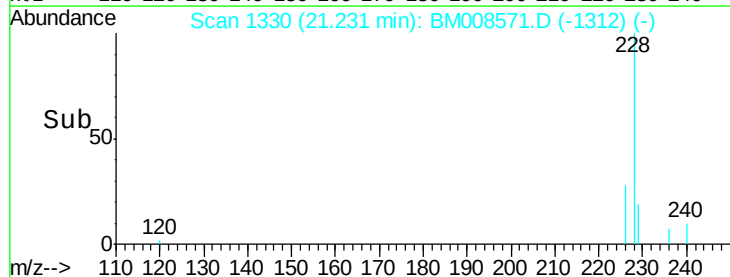
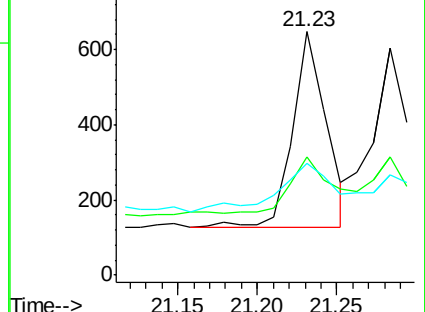
229 46.0 17.0 25.6#

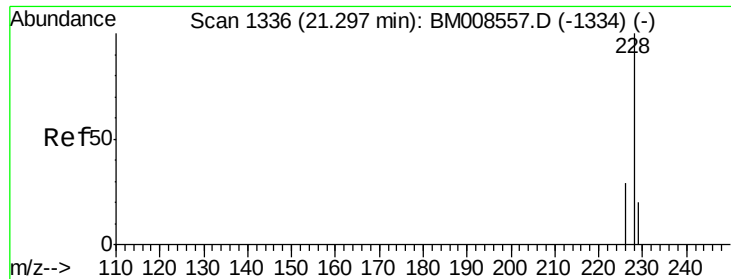


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.14 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

Instrument :

BNA_M

ClientSampleId :

DA852DL

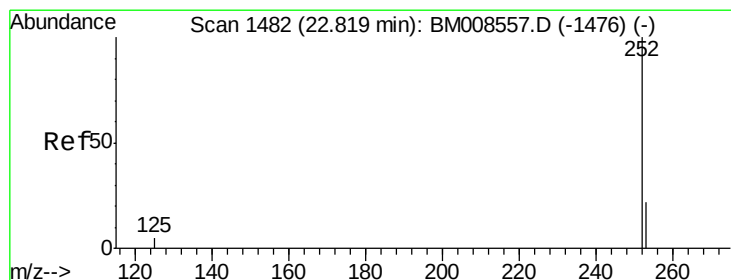
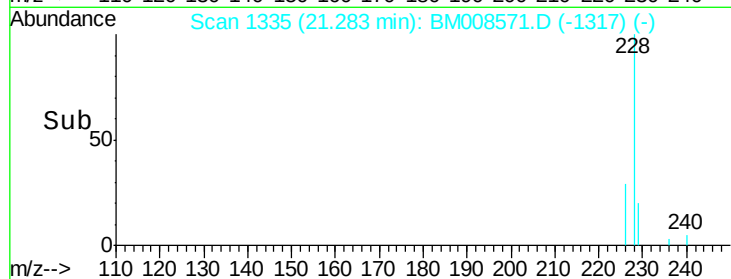
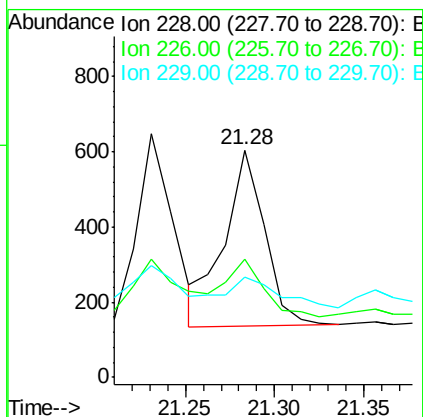
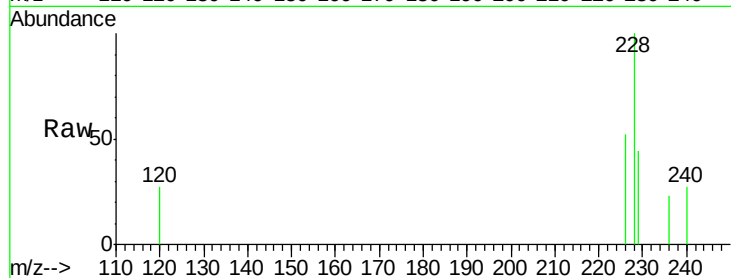
Tgt Ion:228 Resp: 725

Ion Ratio Lower Upper

228 100

226 51.9 23.4 35.0#

229 44.3 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 0.18 ng/ul

RT: 22.80 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

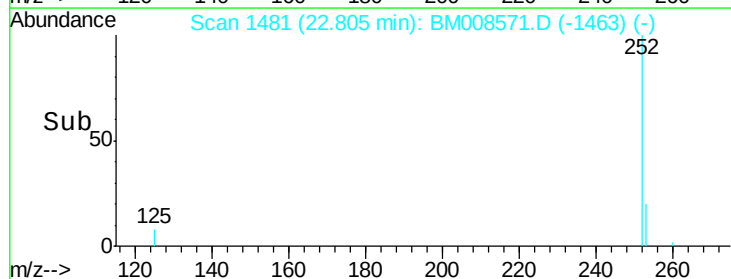
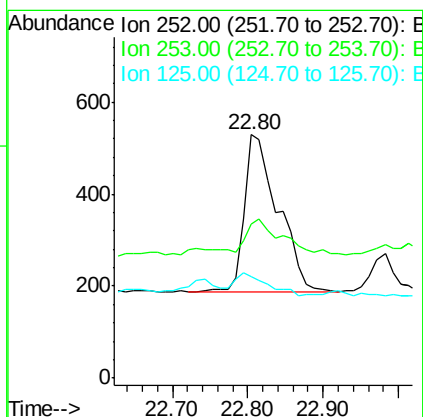
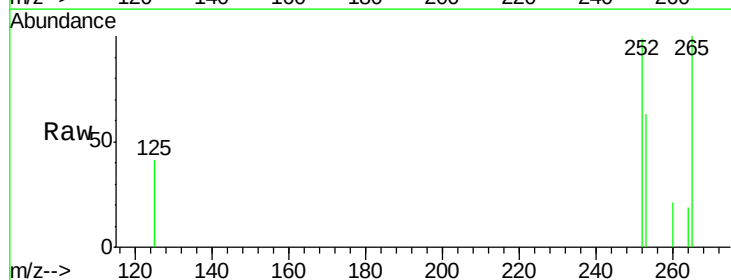
Tgt Ion:252 Resp: 1073

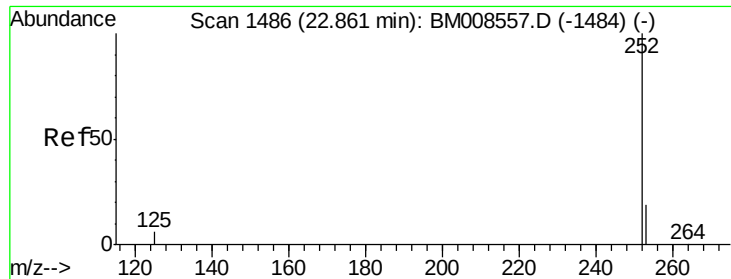
Ion Ratio Lower Upper

252 100

253 63.5 0.0 64.2

125 42.0 0.0 35.0#





#22

Benzo(k)fluoranthene

Concen: 0.18 ng/ul

RT: 22.80 min Scan# 1481

Delta R.T. -0.06 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

Instrument :

BNA_M

ClientSampleId :

DA852DL

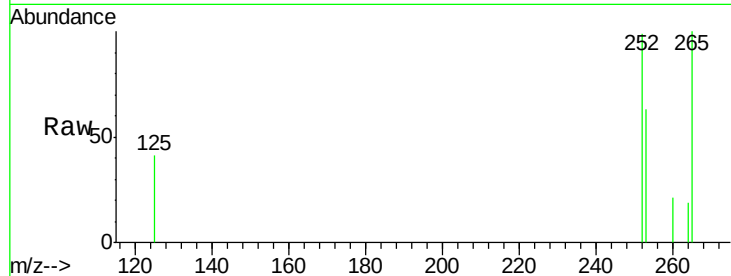
Tgt Ion:252 Resp: 1073

Ion Ratio Lower Upper

252 100

253 63.5 24.5 36.7#

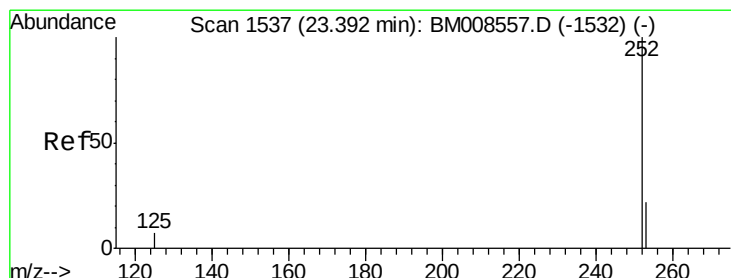
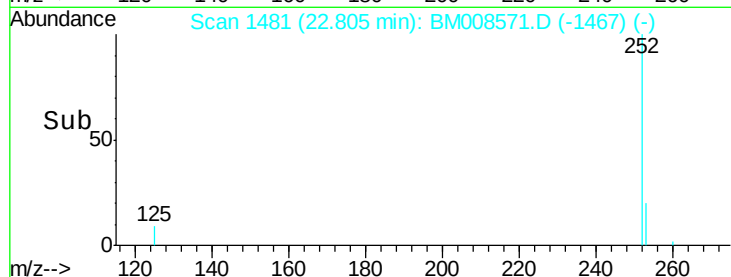
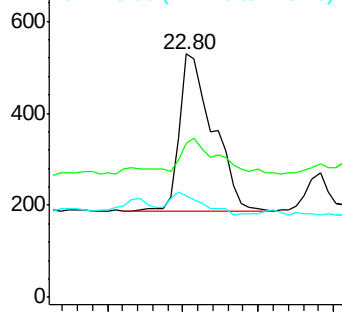
125 42.0 13.7 20.5#



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: 0.14 ng/ul

RT: 23.38 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

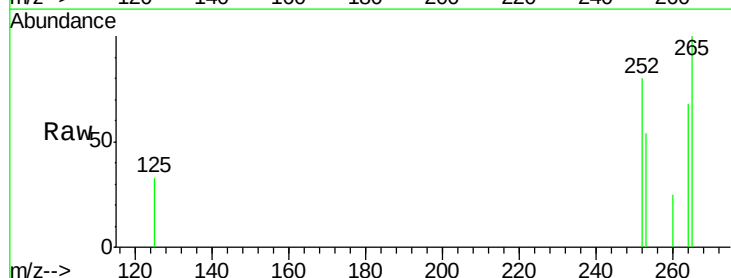
Tgt Ion:252 Resp: 766

Ion Ratio Lower Upper

252 100

253 67.3 28.5 42.7#

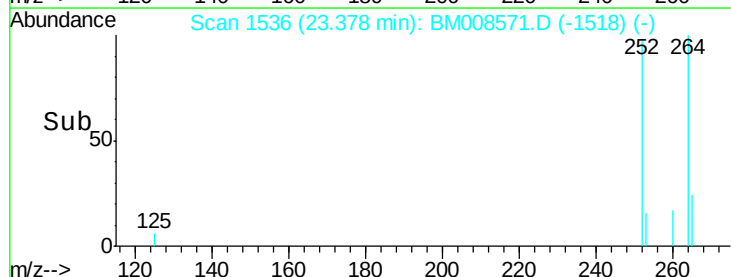
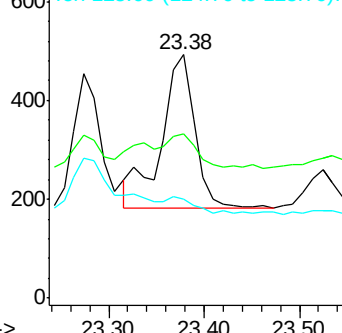
125 40.8 18.1 27.1#

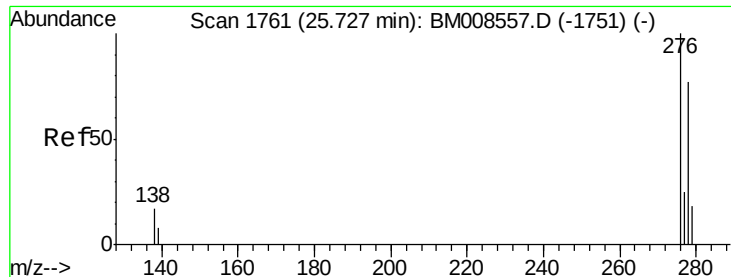


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.07 ng/ul

RT: 25.71 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

Instrument :

BNA_M

ClientSampleId :

DA852DL

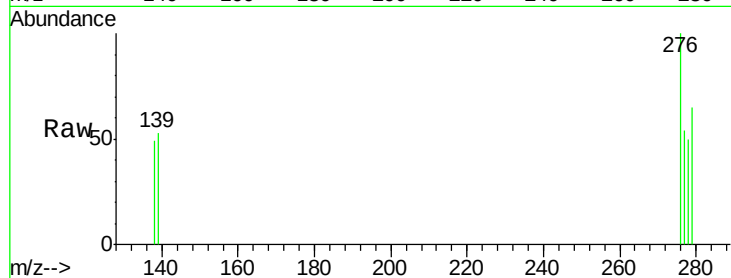
Tgt Ion:276 Resp: 463

Ion Ratio Lower Upper

276 100

138 14.9 19.1 28.7#

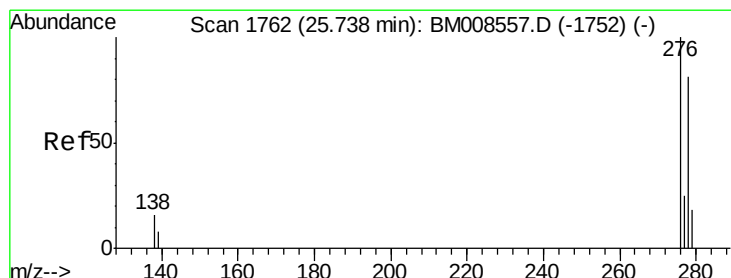
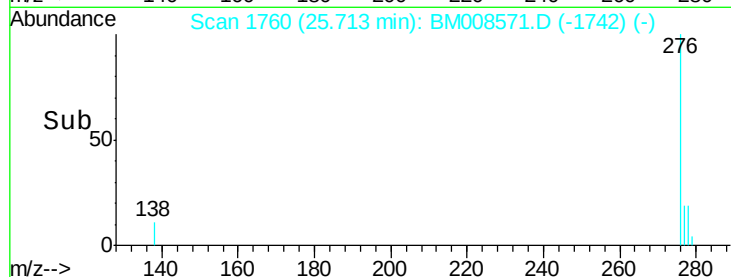
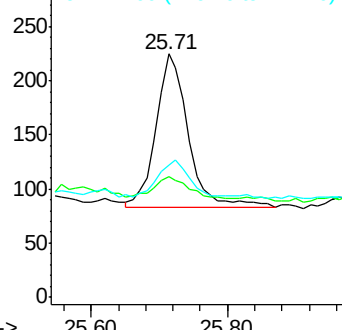
277 27.2 19.6 29.4



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



#25

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 25.71 min Scan# 1760

Delta R.T. -0.02 min

Lab File: BM008571.D

Acq: 23 Dec 2016 00:28

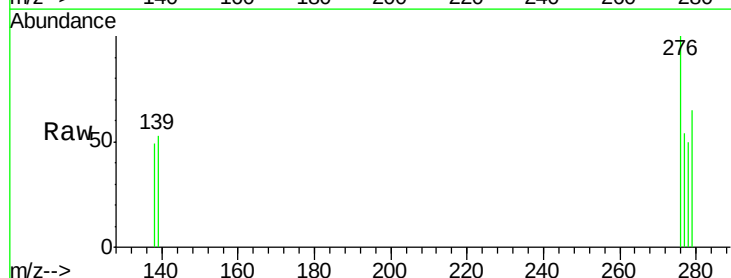
Tgt Ion:278 Resp: 119

Ion Ratio Lower Upper

278 100

139 107.1 17.4 26.0#

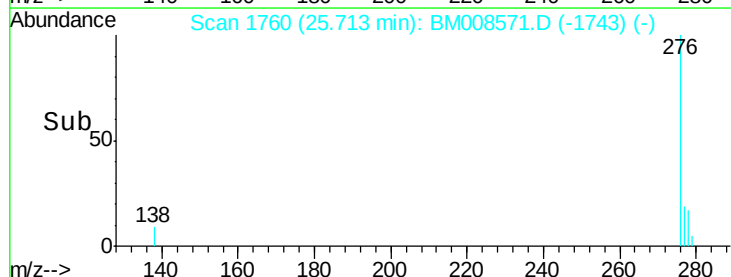
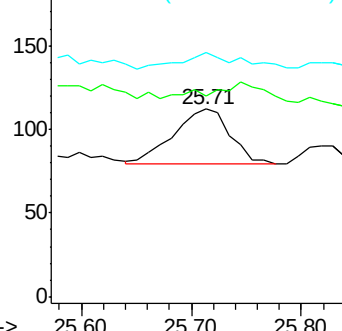
279 130.4 25.9 38.9#

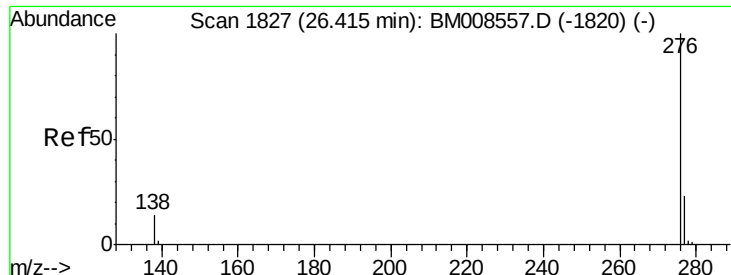


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.09 ng/ul

RT: 26.40 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BM008571.D

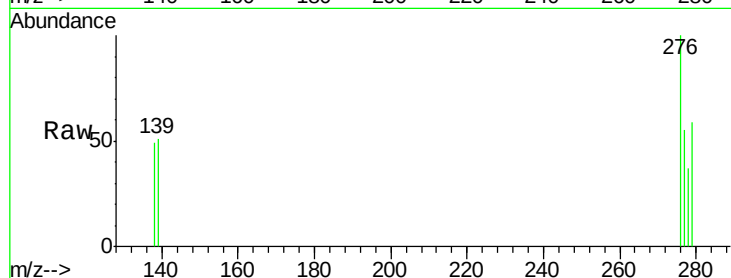
Acq: 23 Dec 2016 00:28

Instrument :

BNA_M

ClientSampleId :

DA852DL



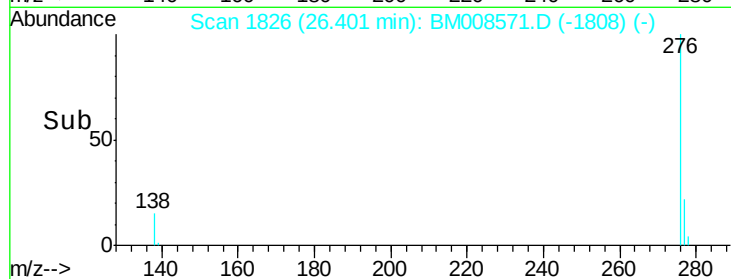
Tgt Ion: 276 Resp: 489

Ion Ratio Lower Upper

276 100

277 54.7 21.8 32.8#

138 49.3 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

26.40

200

150

100

50

0

Time-->