

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
 Data File : BM008574.D
 Acq On : 23 Dec 2016 02:16
 Operator : UM/SJ
 Sample : H5970-17DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA856DL

Quant Time: Dec 23 05:53:25 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 05:50:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	369	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.45	136	1140	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.30	164	665	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.06	188	1179	0.40	ng/ul	-0.02
16) Chrysene-d12	21.25	240	1256	0.40	ng/ul	-0.02
20) Perylene-d12	23.48	264	1417	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.07	152	84	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.10	212	231	0.07	ng/ul	-0.01

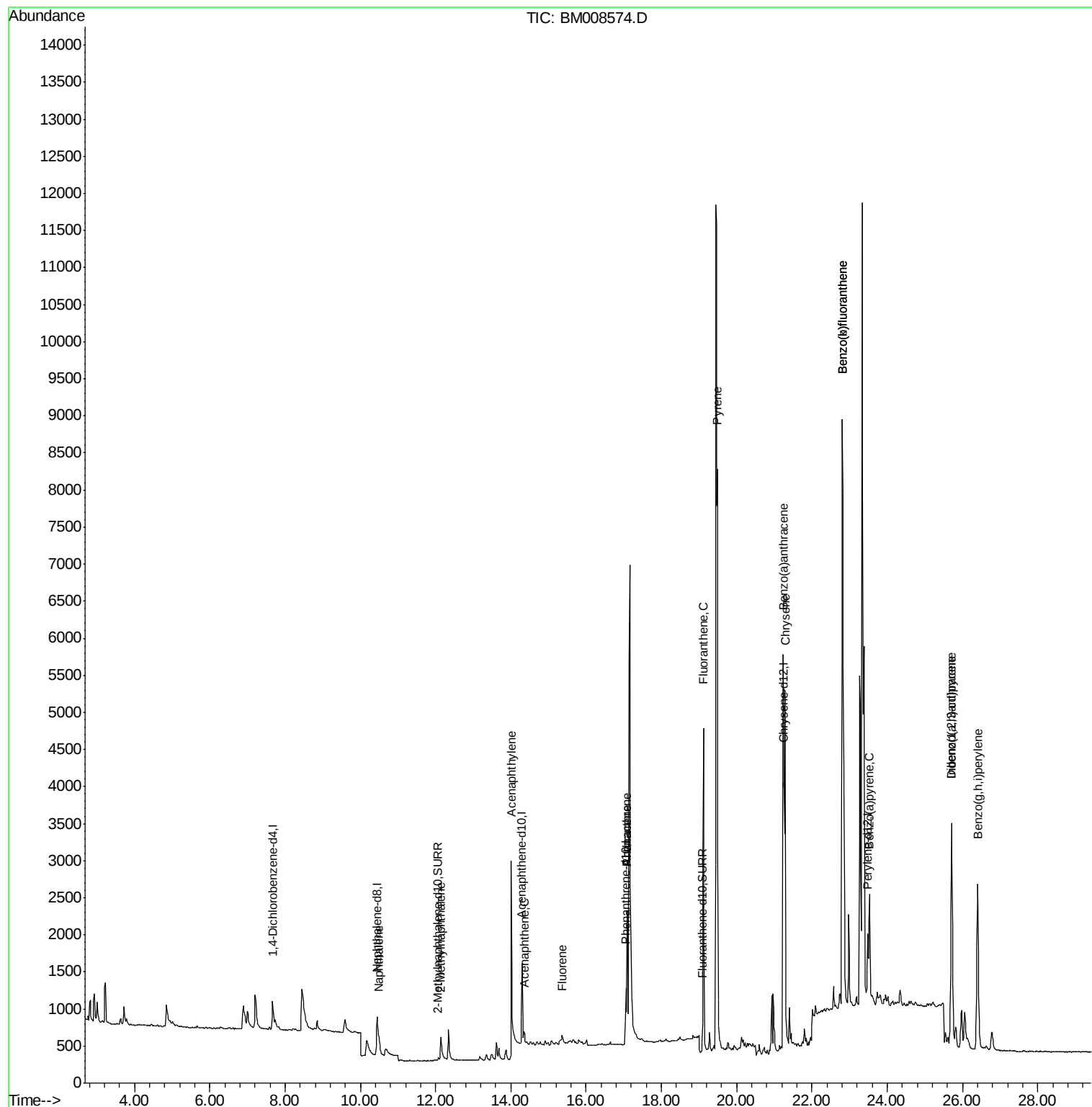
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.50	128	435	0.14	ng/ul#	52
5) 2-Methylnaphthalene	12.14	142	422	0.20	ng/ul	95
7) Acenaphthylene	14.01	152	903	0.30	ng/ul#	85
8) Acenaphthene	14.35	153	156	0.07	ng/ul#	81
9) Fluorene	15.36	166	186	0.07	ng/ul#	74
12) Phenanthrene	17.09	178	2135	0.59	ng/ul	98
13) Anthracene	17.09	178	2110	0.60	ng/ul	99
15) Fluoranthene	19.12	202	4902	1.11	ng/ul	96
17) Pyrene	19.48	202	8231	1.70	ng/ul	97
18) Benzo(a)anthracene	21.24	228	7788	1.89	ng/ul	97
19) Chrysene	21.28	228	4268	0.95	ng/ul	93
21) Benzo(b)fluoranthene	22.81	252	17997	3.22	ng/ul	83
22) Benzo(k)fluoranthene	22.81	252	17997	3.31	ng/ul#	85
23) Benzo(a)pyrene	23.52	252	1864	0.36	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.71	276	5451	0.88	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.71	278	1465	0.30	ng/ul#	87
26) Benzo(g,h,i)perylene	26.40	276	5030	0.95	ng/ul#	92

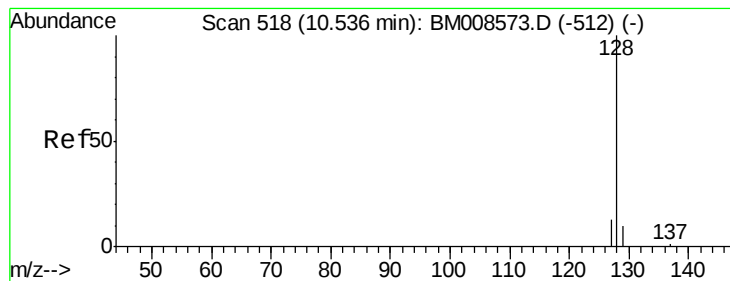
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.14 ng/ul

RT: 10.50 min Scan# 515

Delta R.T. -0.04 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Instrument :

BNA_M

ClientSampleId :

DA856DL

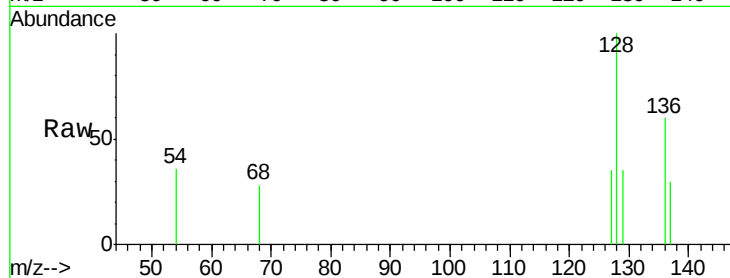
Tgt Ion:128 Resp: 435

Ion Ratio Lower Upper

128 100

129 35.2 11.3 16.9#

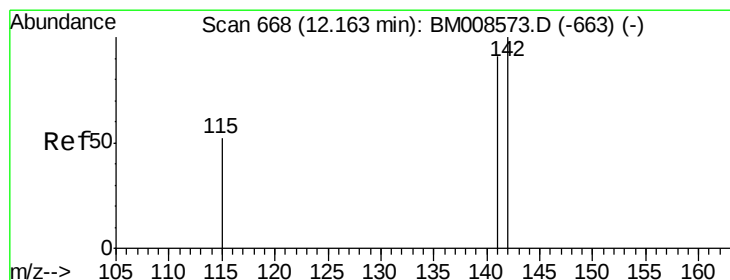
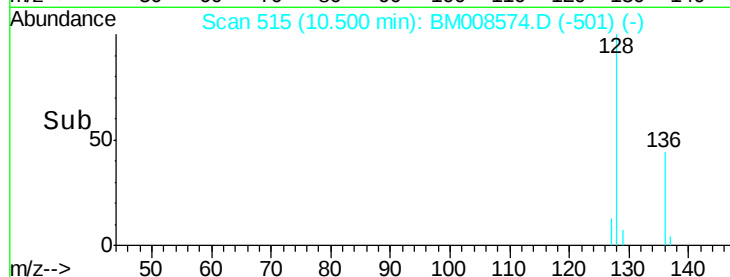
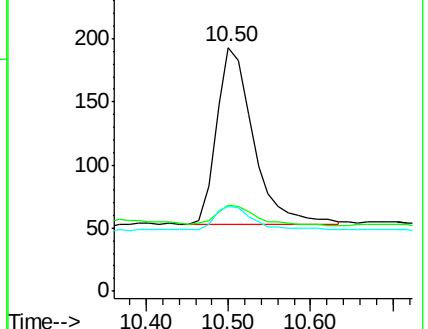
127 34.7 12.8 19.2#



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: 0.20 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. -0.02 min

Lab File: BM008574.D

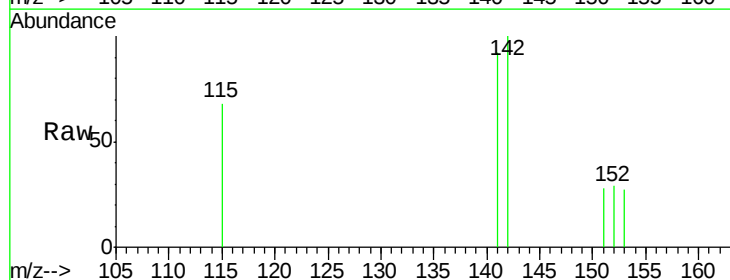
Acq: 23 Dec 2016 02:16

Tgt Ion:142 Resp: 422

Ion Ratio Lower Upper

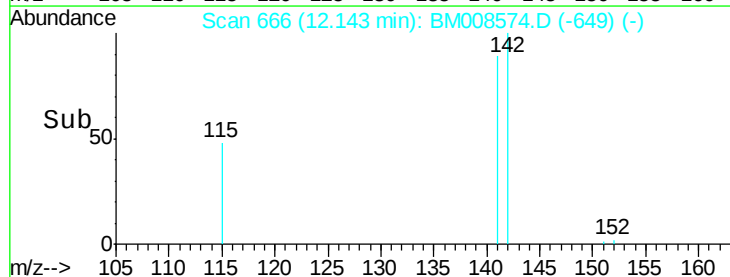
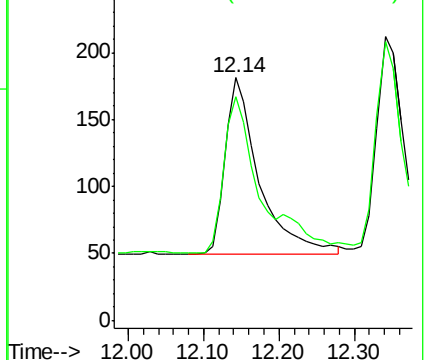
142 100

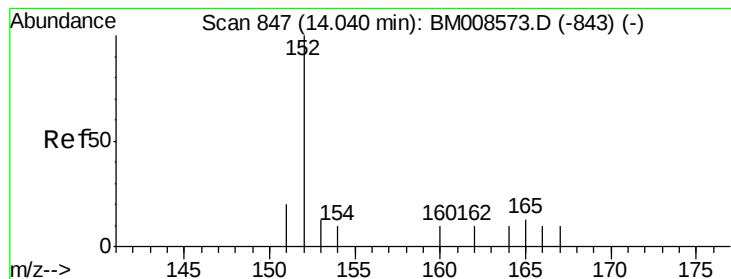
141 95.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.30 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.03 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Instrument :

BNA_M

ClientSampleId :

DA856DL

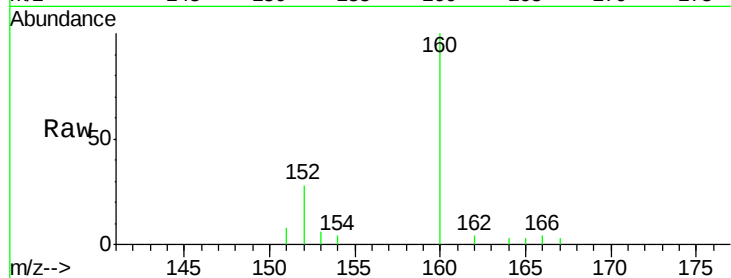
Tgt Ion:152 Resp: 903

Ion Ratio Lower Upper

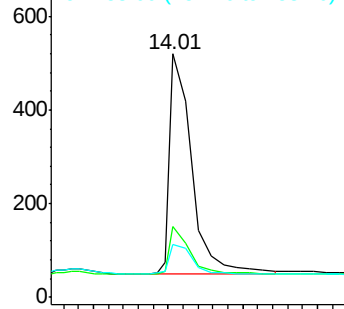
152 100

151 29.0 17.1 25.7#

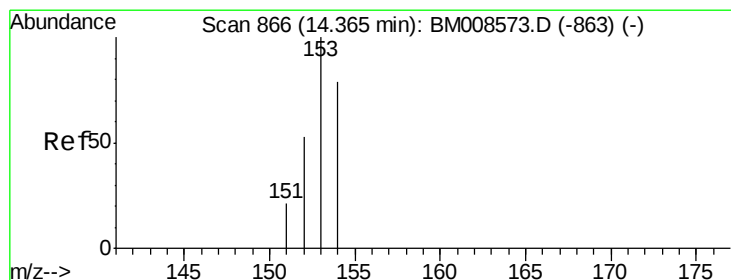
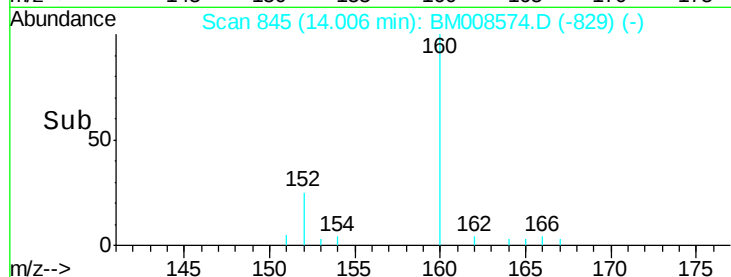
153 21.9 12.8 19.2#



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



Time-->



#8

Acenaphthene

Concen: 0.07 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.02 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

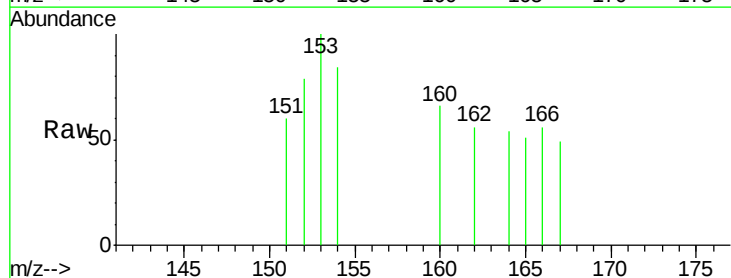
Tgt Ion:153 Resp: 156

Ion Ratio Lower Upper

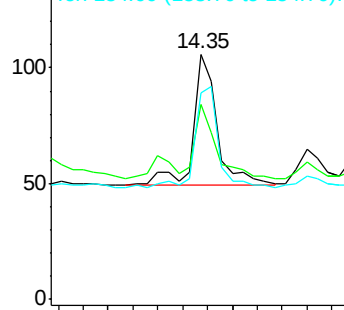
153 100

152 79.2 40.3 60.5#

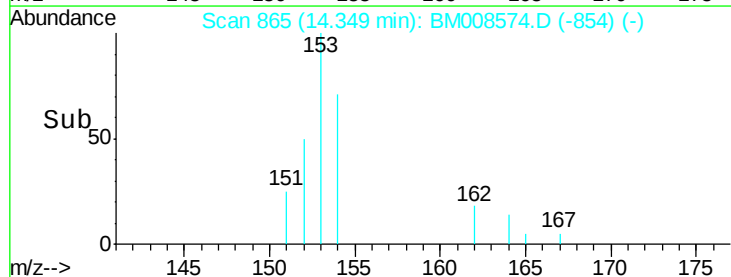
154 84.0 71.4 107.2

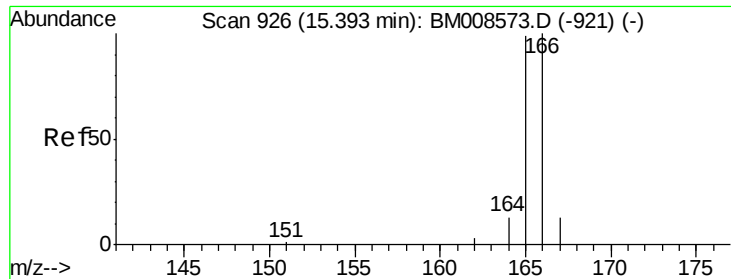


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->





#9

Fluorene

Concen: 0.07 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.03 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Instrument :

BNA_M

ClientSampleId :

DA856DL

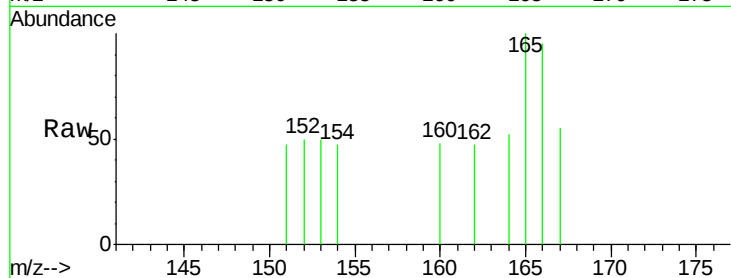
Tgt Ion:166 Resp: 186

Ion Ratio Lower Upper

166 100

165 104.8 73.4 110.2

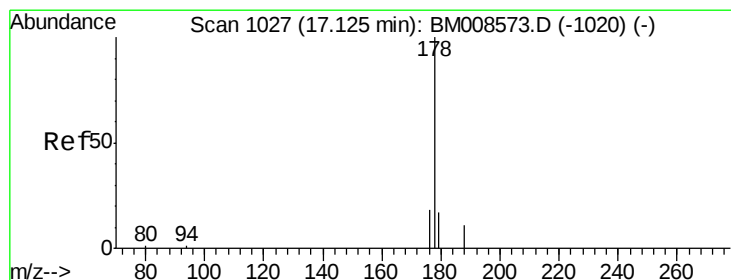
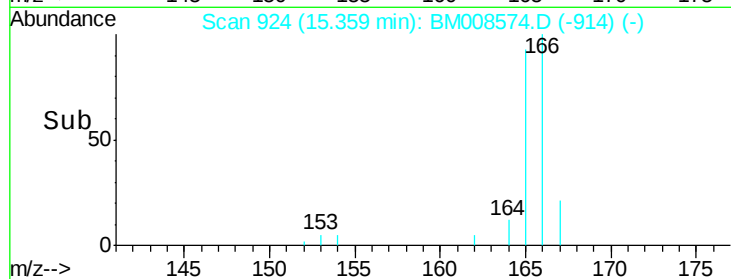
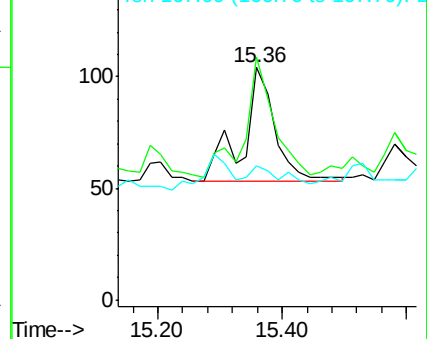
167 57.7 14.6 22.0#



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: 0.59 ng/ul

RT: 17.09 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

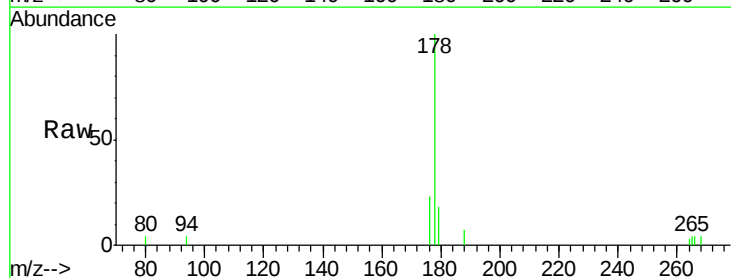
Tgt Ion:178 Resp: 2135

Ion Ratio Lower Upper

178 100

176 23.4 18.4 27.6

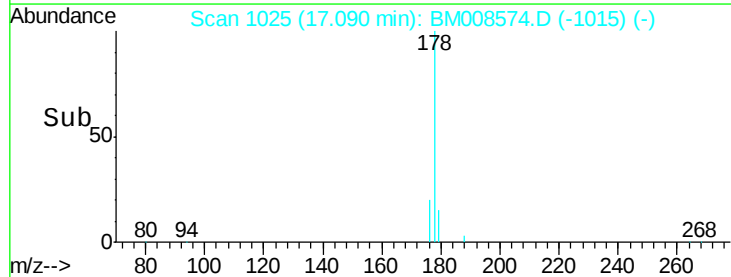
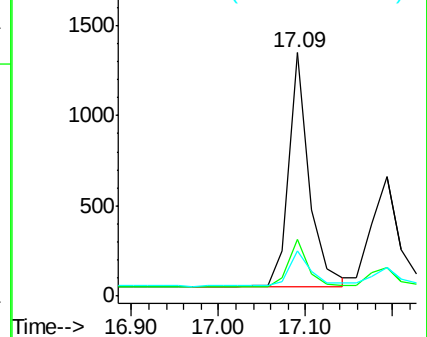
179 18.4 13.6 20.4

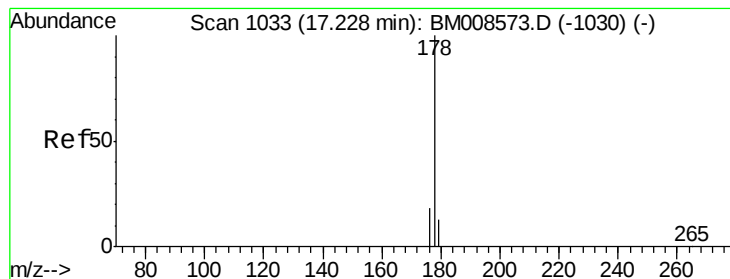


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#13

Anthracene

Concen: 0.60 ng/ul

RT: 17.09 min Scan# 1025

Delta R.T. -0.14 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Instrument :

BNA_M

ClientSampleId :

DA856DL

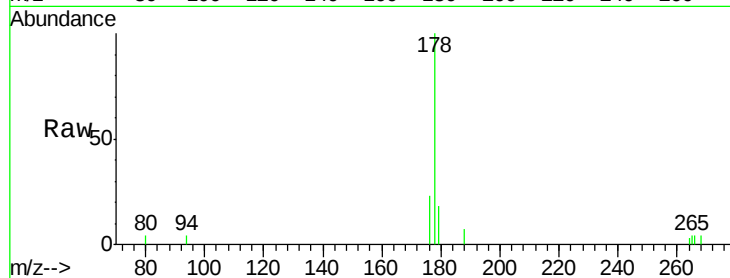
Tgt Ion:178 Resp: 2110

Ion Ratio Lower Upper

178 100

176 23.4 18.1 27.1

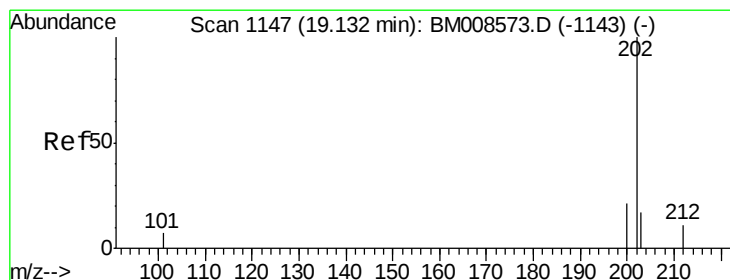
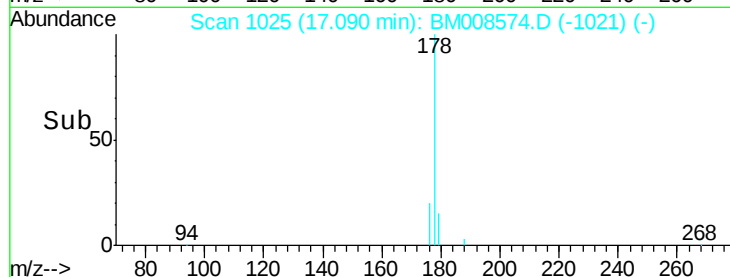
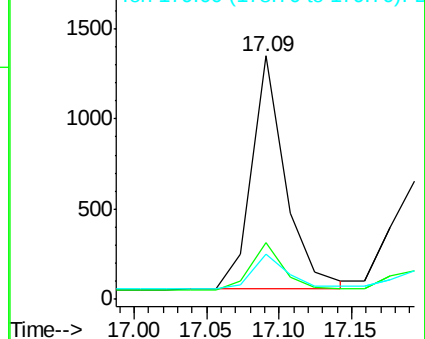
179 18.4 14.7 22.1



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: 1.11 ng/ul

RT: 19.12 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

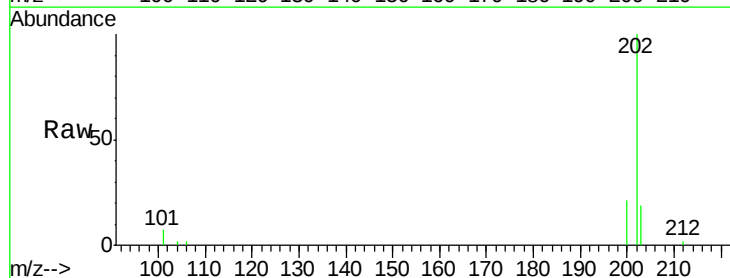
Tgt Ion:202 Resp: 4902

Ion Ratio Lower Upper

202 100

101 6.6 0.0 30.3

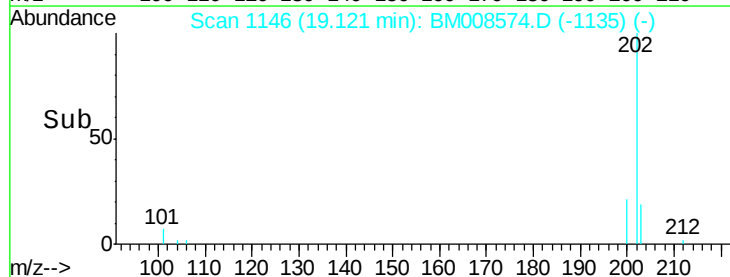
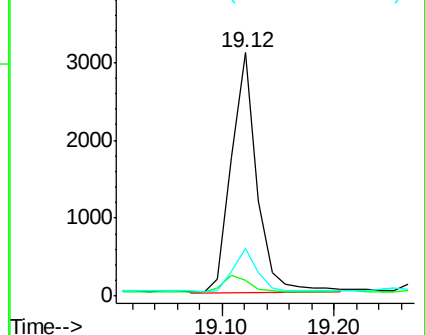
203 19.4 0.0 39.5

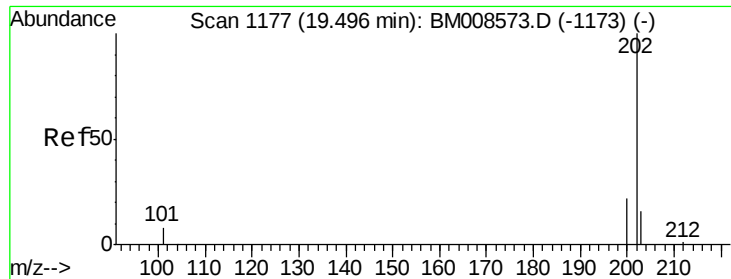


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

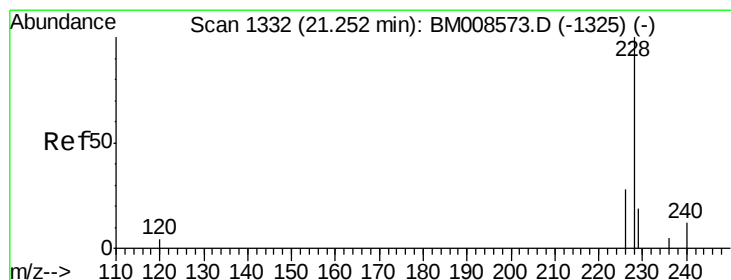
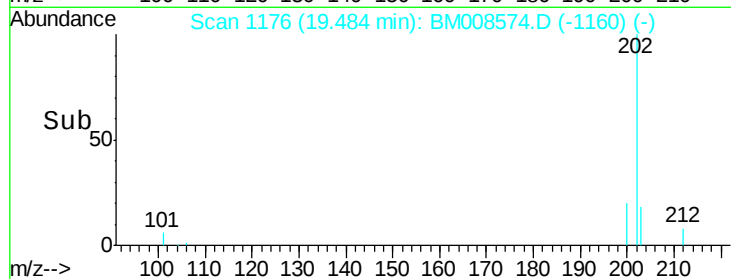
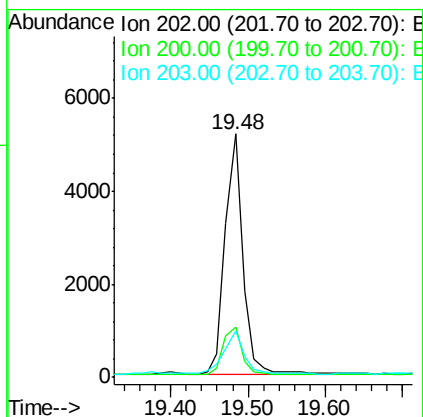
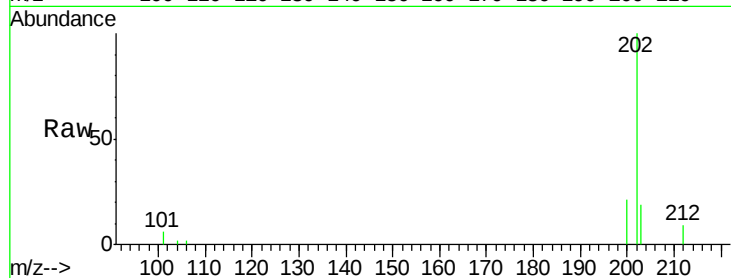




#17
 Pyrene
 Concen: 1.70 ng/ul
 RT: 19.48 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BM008574.D
 Acq: 23 Dec 2016 02:16

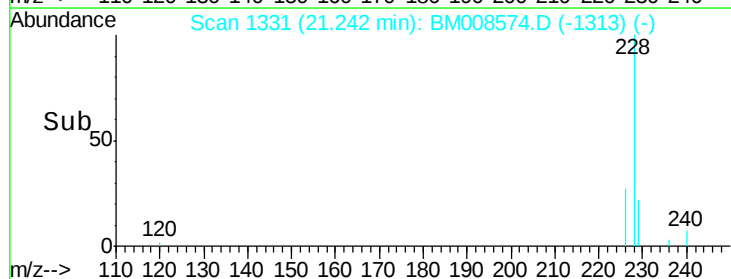
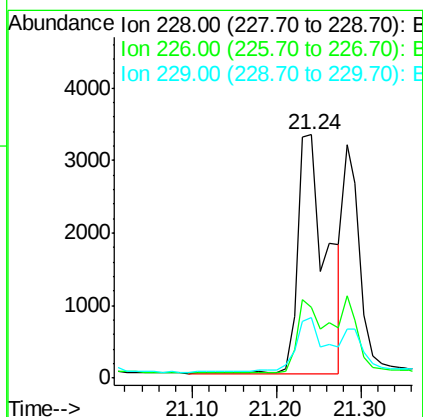
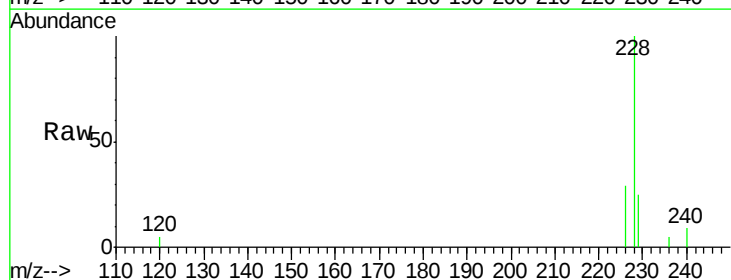
Instrument :
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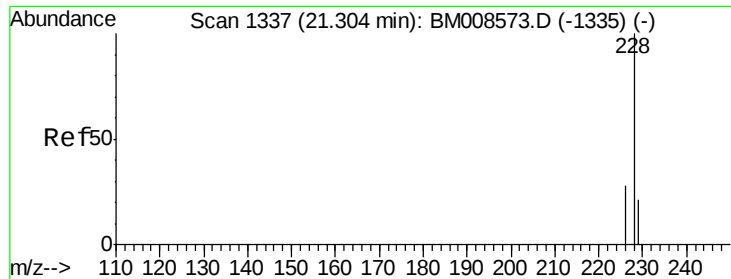
Tgt Ion:202 Resp: 8231
 Ion Ratio Lower Upper
 202 100
 200 20.8 18.2 27.4
 203 18.9 15.6 23.4



#18
 Benzo(a)anthracene
 Concen: 1.89 ng/ul
 RT: 21.24 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BM008574.D
 Acq: 23 Dec 2016 02:16

Tgt Ion:228 Resp: 7788
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.8 34.2
 229 24.7 17.0 25.6





#19

Chrysene

Concen: 0.95 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Instrument :

BNA_M

ClientSampleId :

DA856DL

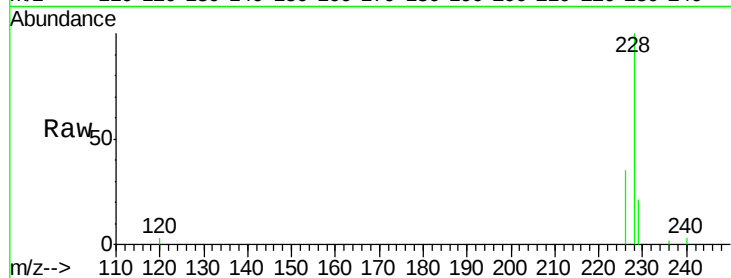
Tgt Ion:228 Resp: 4268

Ion Ratio Lower Upper

228 100

226 34.9 23.4 35.0

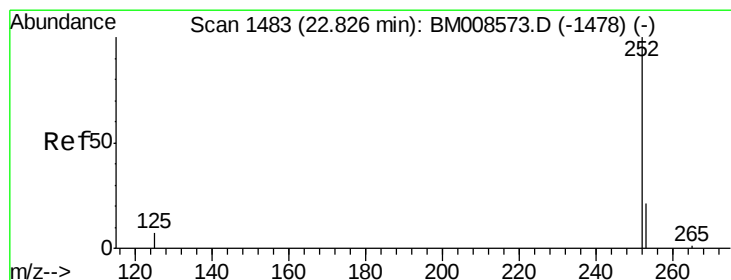
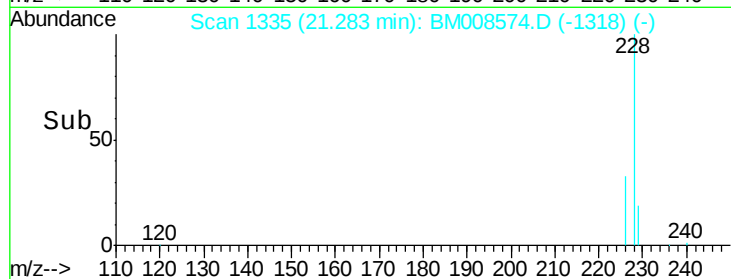
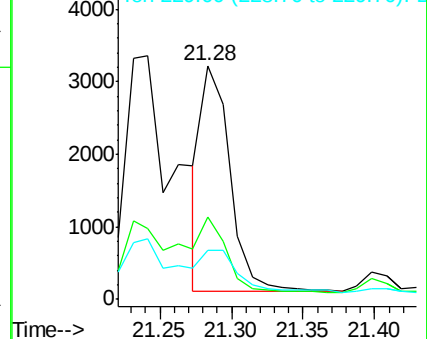
229 20.9 17.7 26.5



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: 3.22 ng/ul

RT: 22.81 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

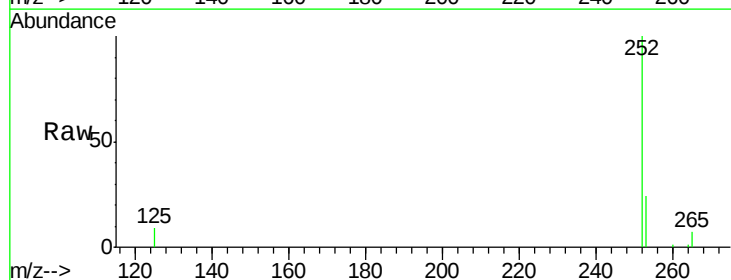
Tgt Ion:252 Resp: 17997

Ion Ratio Lower Upper

252 100

253 23.8 0.0 64.2

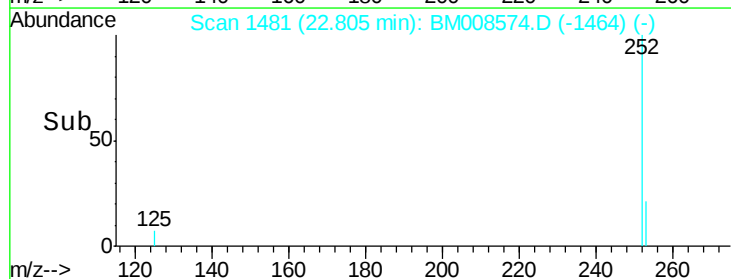
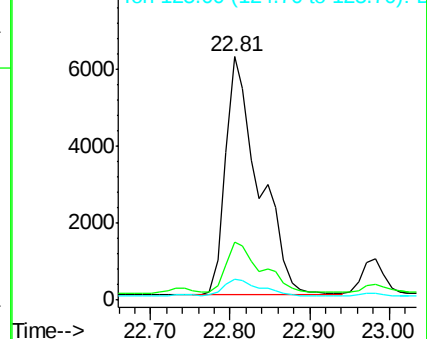
125 8.8 0.0 35.0

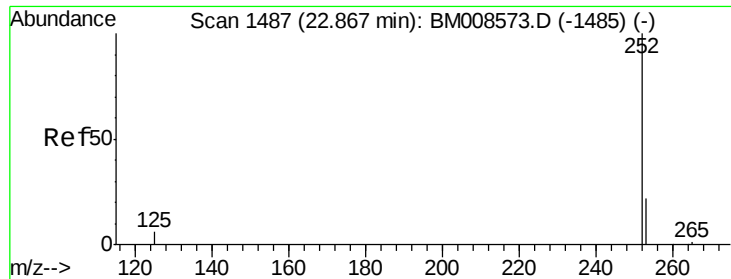


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.31 ng/ul

RT: 22.81 min Scan# 1481

Delta R.T. -0.06 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Instrument :

BNA_M

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DA856DL

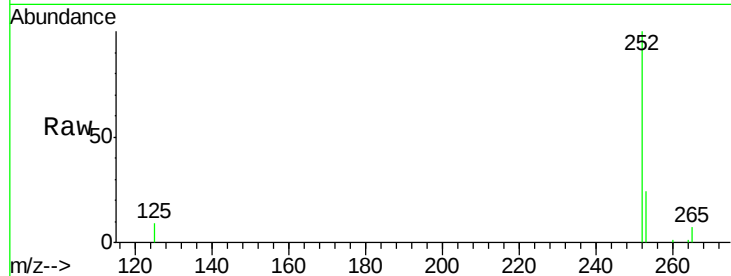
Tgt Ion:252 Resp: 17997

Ion Ratio Lower Upper

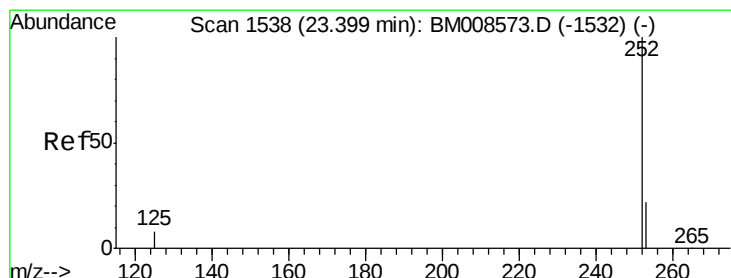
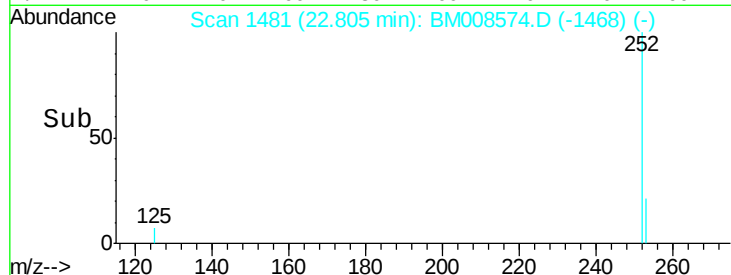
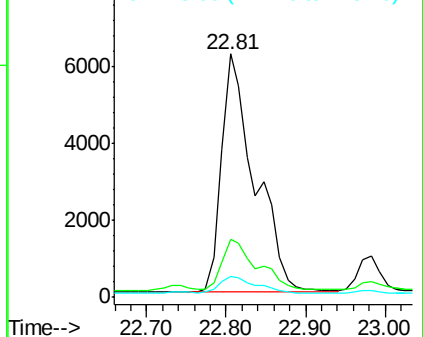
252 100

253 23.8 24.5 36.7#

125 8.8 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: 0.36 ng/ul

RT: 23.52 min Scan# 1550

Delta R.T. 0.13 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

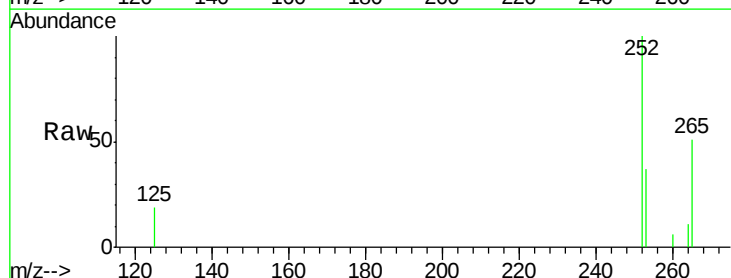
Tgt Ion:252 Resp: 1864

Ion Ratio Lower Upper

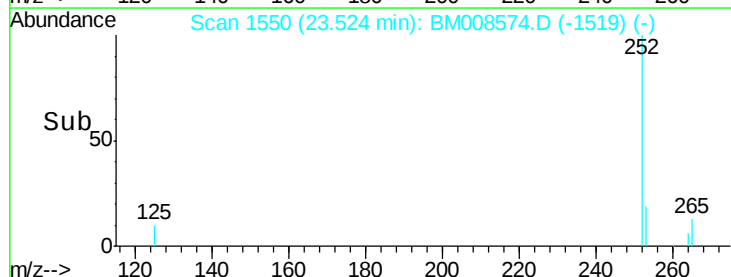
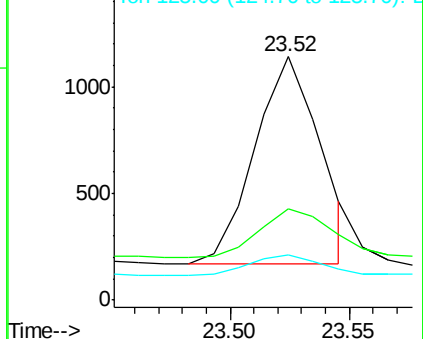
252 100

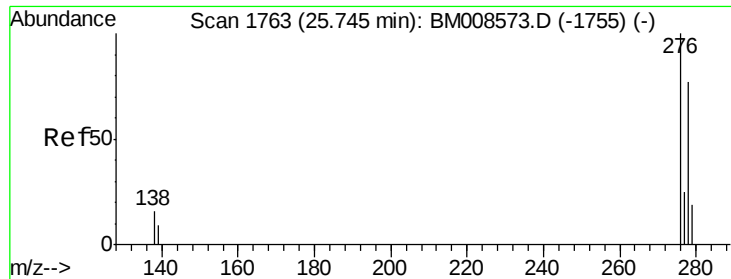
253 37.4 28.5 42.7

125 18.7 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

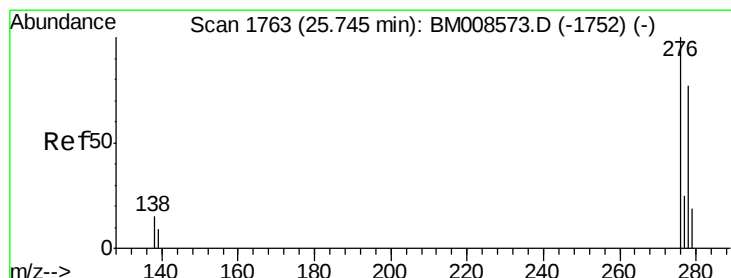
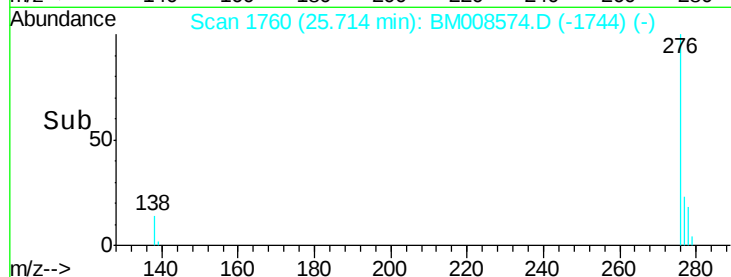
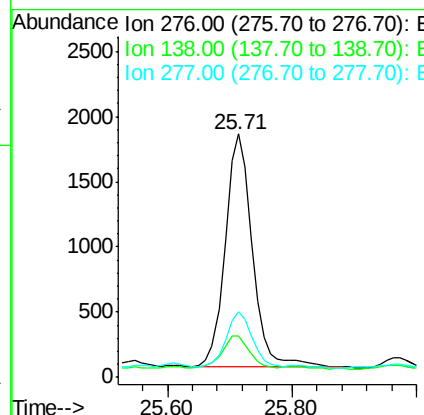
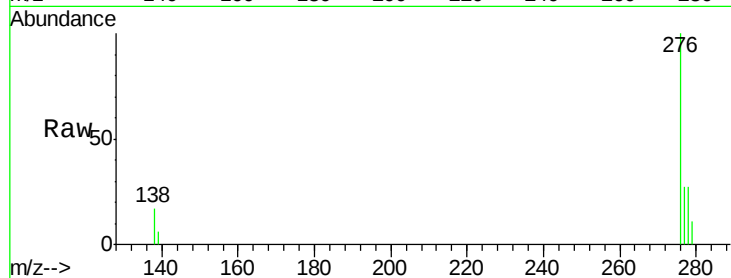




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.88 ng/ul
 RT: 25.71 min Scan# 1760
 Delta R.T. -0.03 min
 Lab File: BM008574.D
 Acq: 23 Dec 2016 02:16

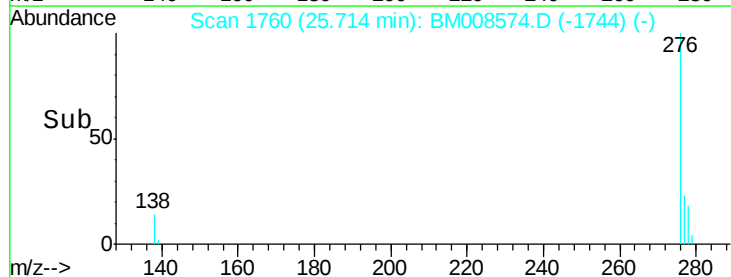
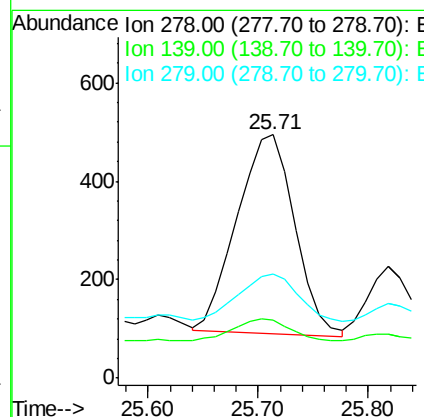
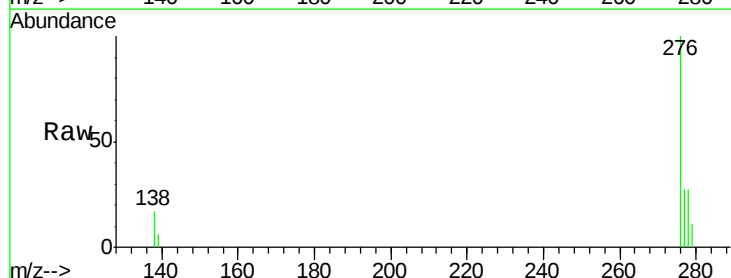
Instrument :
 BNA_M
 ClientSampleId :
 DA856DL

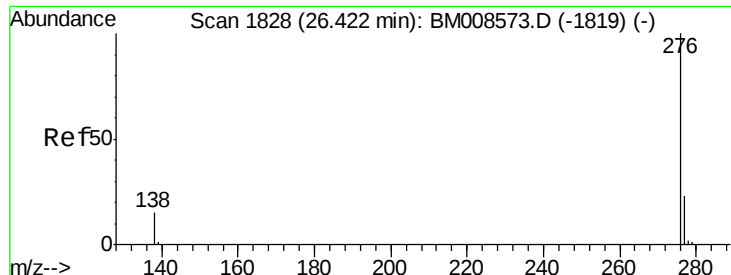
Tgt Ion:276 Resp: 5451
 Ion Ratio Lower Upper
 276 100
 138 13.8 19.1 28.7#
 277 23.6 19.6 29.4



#25
 Dibenzo(a,h)anthracene
 Concen: 0.30 ng/ul
 RT: 25.71 min Scan# 1760
 Delta R.T. -0.03 min
 Lab File: BM008574.D
 Acq: 23 Dec 2016 02:16

Tgt Ion:278 Resp: 1465
 Ion Ratio Lower Upper
 278 100
 139 23.8 17.4 26.0
 279 42.8 25.9 38.9#





#26

Benzo(g,h,i)perylene

Concen: 0.95 ng/ul

RT: 26.40 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BM008574.D

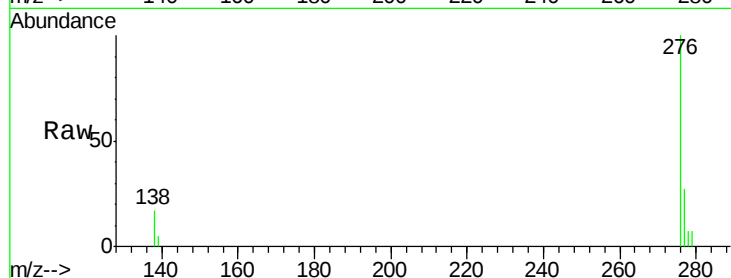
Acq: 23 Dec 2016 02:16

Instrument :

BNA_M

ClientSampleId :

DA856DL



Tgt Ion: 276 Resp: 5030

Ion Ratio Lower Upper

276 100

277 27.3 21.8 32.8

138 17.3 20.5 30.7

