

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012517\
 Data File : BM008859.D
 Acq On : 25 Jan 2017 10:10
 Operator : UM/SJ
 Sample : I1320-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2809

Quant Time: Jan 25 16:41:13 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM010917.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 16:35:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	201	0.40	ng/ul	0.02
2) Naphthalene-d8	10.74	136	667	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	457	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.31	188	903	0.40	ng/ul	0.00
16) Chrysene-d12	21.48	240	894	0.40	ng/ul	0.00
20) Perylene-d12	23.84	264	792	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.32	152	389	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.34	212	919	0.35	ng/ul	0.00

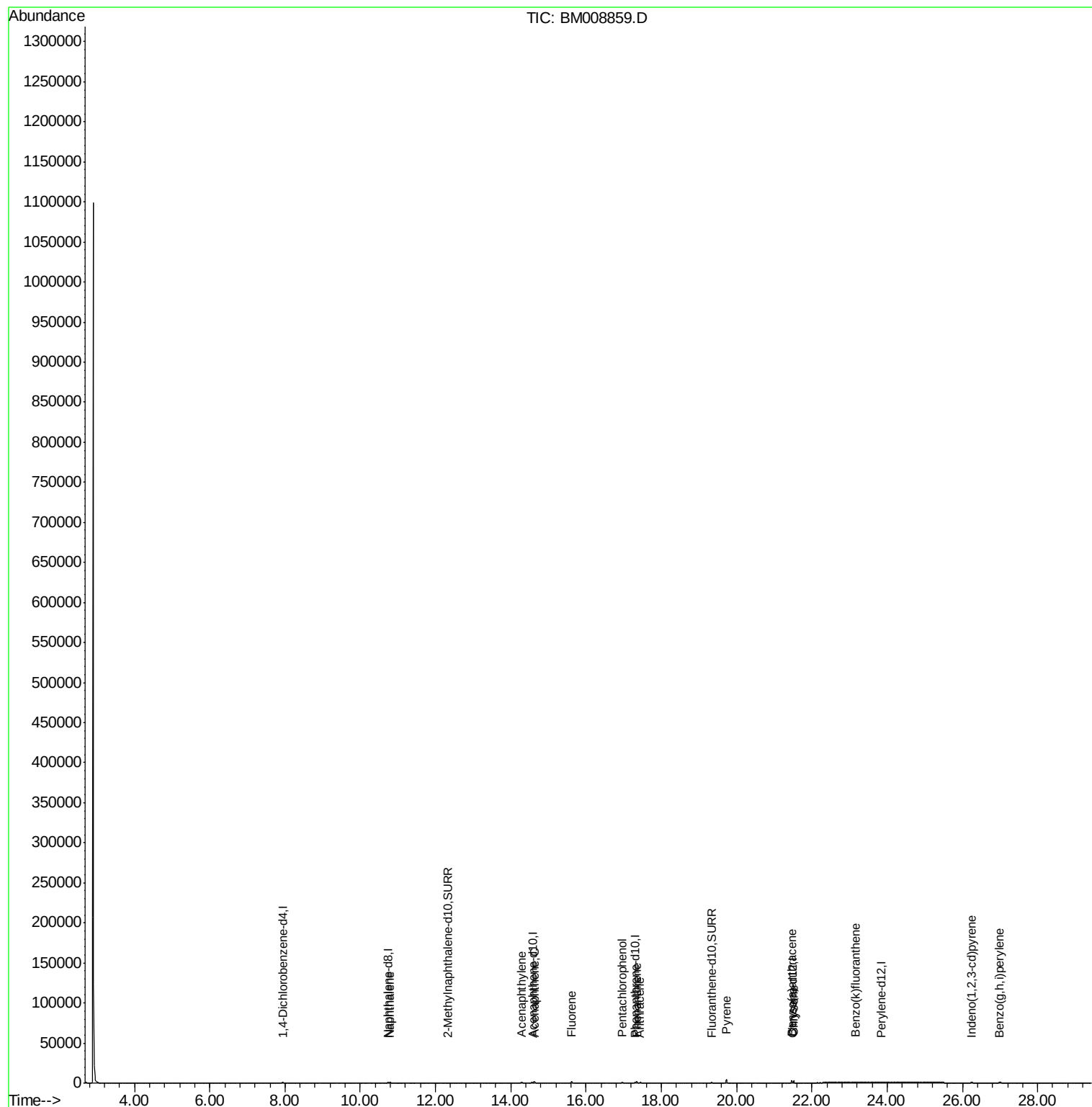
Target Compounds				Ovalue		
3) Naphthalene	10.79	128	1453	0.79	ng/ul	97
7) Acenaphthylene	14.28	152	1391	0.69	ng/ul	94
8) Acenaphthene	14.62	153	988	0.69	ng/ul	92
9) Fluorene	15.62	166	1445	0.80	ng/ul	90
11) Pentachlorophenol	16.95	266	813	1.96	ng/ul	95
12) Phenanthrene	17.35	178	1837	0.67	ng/ul	99
13) Anthracene	17.43	178	1183	0.44	ng/ul	93
17) Pyrene	19.73	202	4587	1.29	ng/ul	98
18) Benzo(a)anthracene	21.46	228	2229	0.67	ng/ul	99
19) Chrysene	21.52	228	2784	0.89	ng/ul	97
22) Benzo(k)fluoranthene	23.16	252	1491	0.50	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	26.25	276	2328	0.65	ng/ul#	83
26) Benzo(g,h,i)perylene	26.99	276	2539	0.81	ng/ul#	87

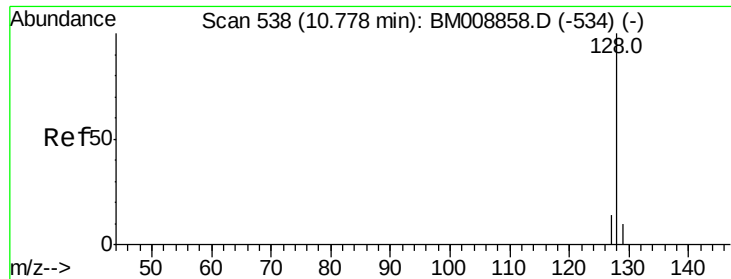
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.79 ng/ul

RT: 10.79 min Scan# 539

Delta R.T. 0.01 min

Lab File: BM008859.D

Acq: 25 Jan 2017 10:10

Instrument :

BNA_M

ClientSampleId :

X2809

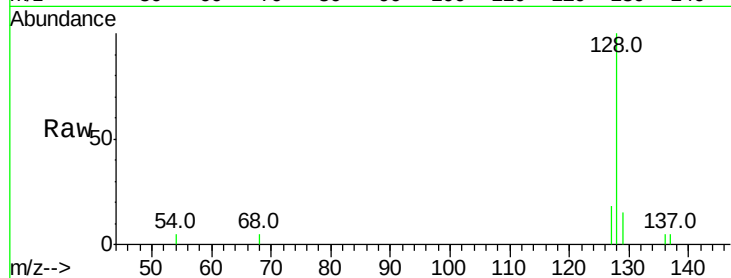
Tot Ion:128 Resp: 1453

Ion Ratio Lower Upper

128 100

129 15.0 11.3 16.9

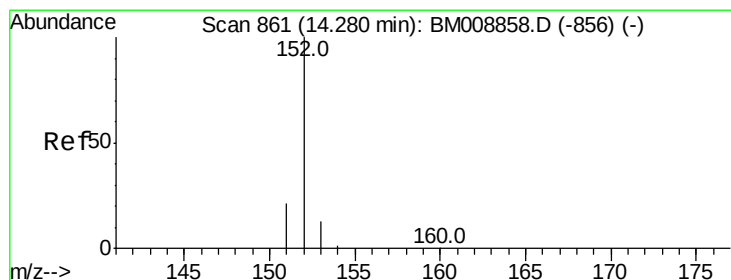
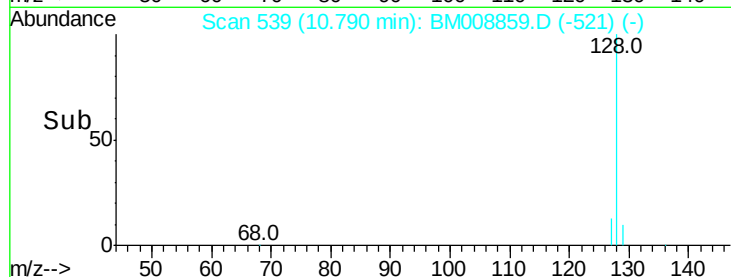
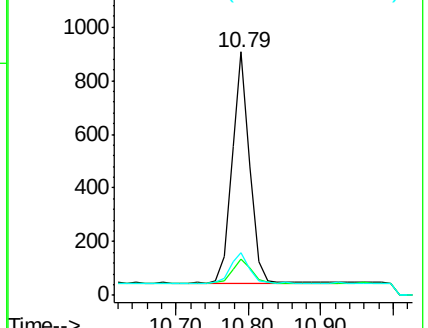
127 17.6 12.8 19.2



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



#7

Acenaphthylene

Concen: 0.69 ng/ul

RT: 14.28 min Scan# 861

Delta R.T. 0.00 min

Lab File: BM008859.D

Acq: 25 Jan 2017 10:10

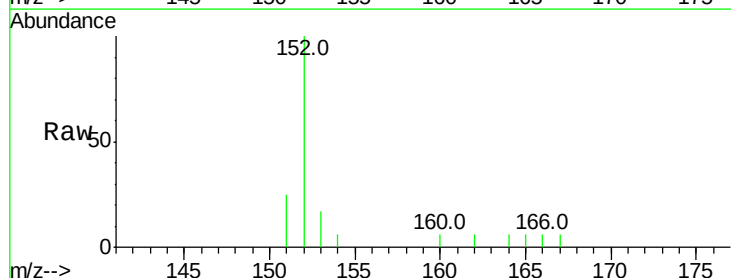
Tgt Ion:152 Resp: 1391

Ion Ratio Lower Upper

152 100

151 25.4 17.1 25.7

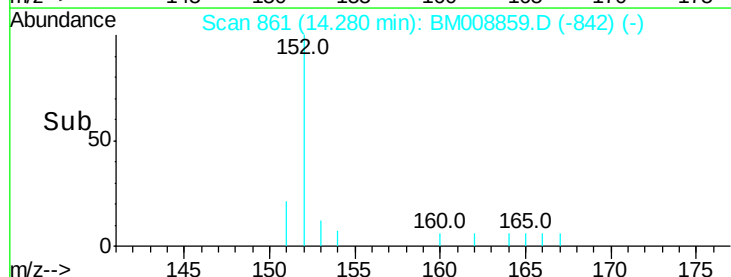
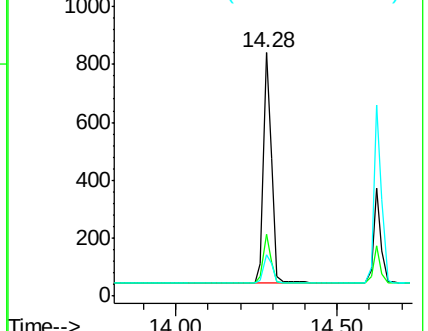
153 17.0 12.8 19.2

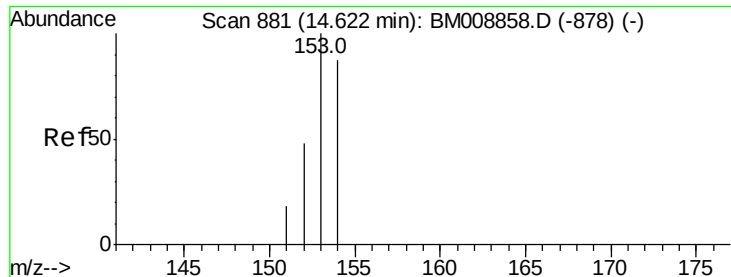


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.69 ng/ul

RT: 14.62 min Scan# 881

Delta R.T. 0.00 min

Lab File: BM008859.D

Acq: 25 Jan 2017 10:10

Instrument :

BNA_M

ClientSampleId :

X2809

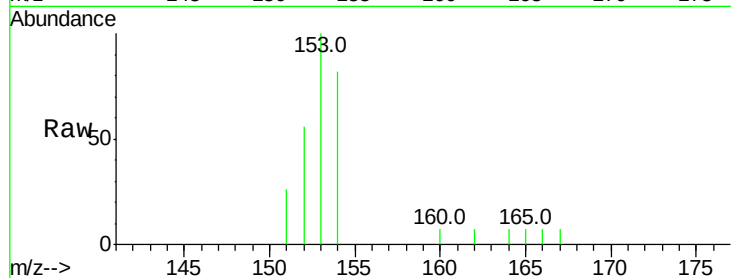
Tot Ion:153 Resp: 988

Ion Ratio Lower Upper

153 100

152 56.4 40.3 60.5

154 82.1 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

14.62

600

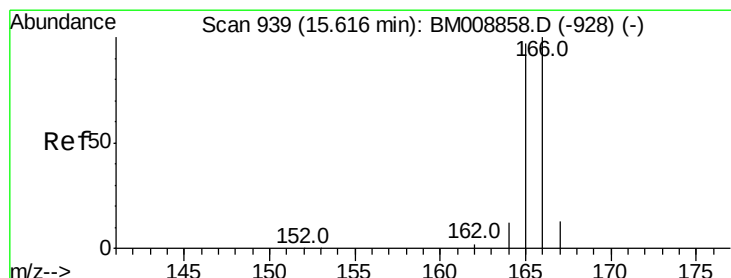
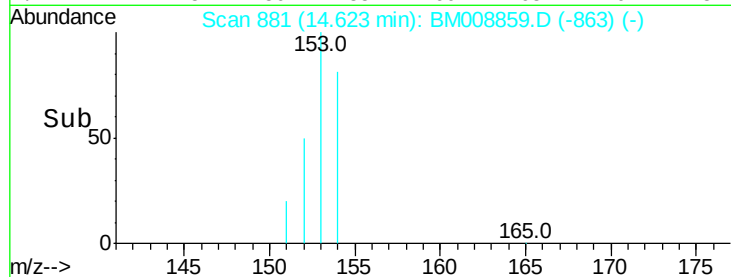
400

200

0

14.50 14.60 14.70

Time-->



#9

Fluorene

Concen: 0.80 ng/ul

RT: 15.62 min Scan# 939

Delta R.T. 0.00 min

Lab File: BM008859.D

Acq: 25 Jan 2017 10:10

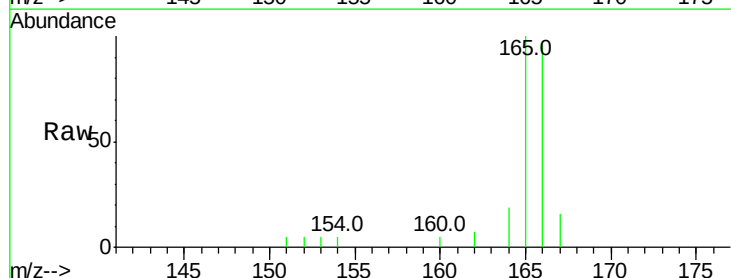
Tgt Ion:166 Resp: 1445

Ion Ratio Lower Upper

166 100

165 102.6 73.4 110.2

167 16.5 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

15.62

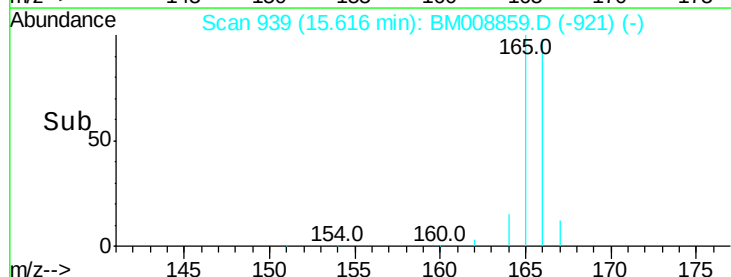
1000

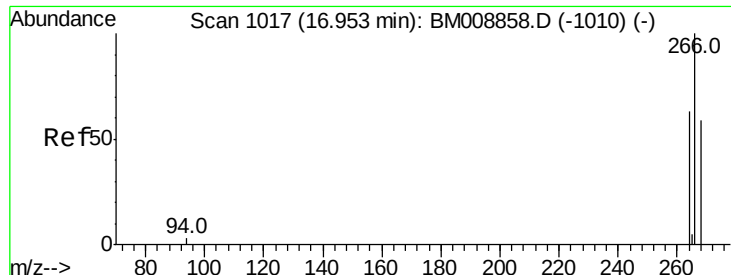
500

0

15.40 15.60 15.80

Time-->

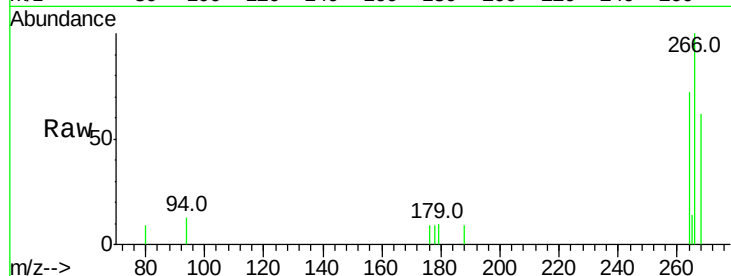




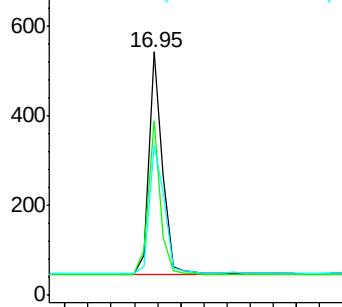
#11
 Pentachlorophenol
 Concen: 1.96 ng/ul
 RT: 16.95 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BM008859.D
 Acq: 25 Jan 2017 10:10

Instrument :
 BNA_M
 ClientSampleId :
 X2809

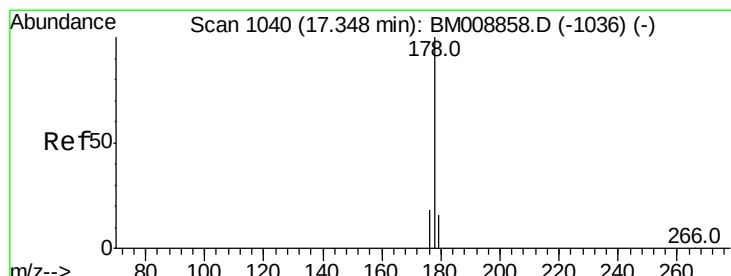
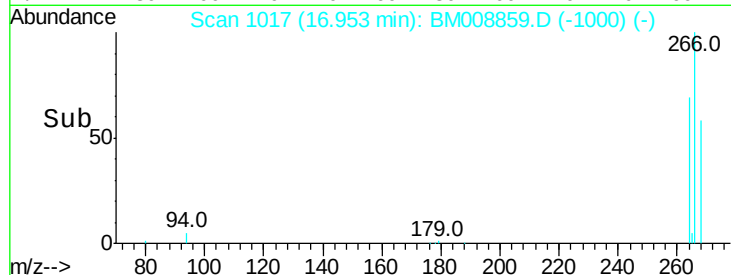
Tot Ion:266 Resp: 813
 Ion Ratio Lower Upper
 266 100
 264 64.6 47.9 71.9
 268 65.4 49.8 74.8



Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

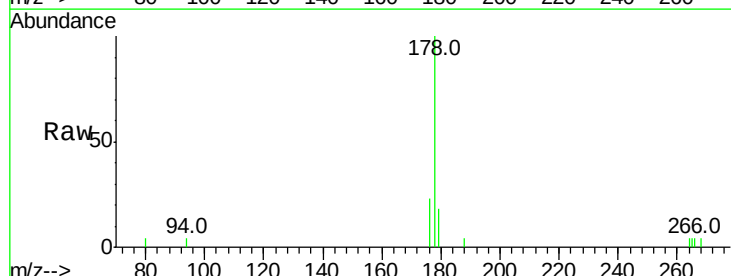


Time--> 16.80 17.00 17.20

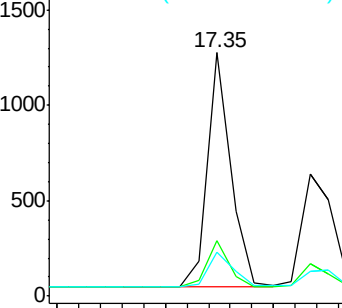


#12
 Phenanthrene
 Concen: 0.67 ng/ul
 RT: 17.35 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: BM008859.D
 Acq: 25 Jan 2017 10:10

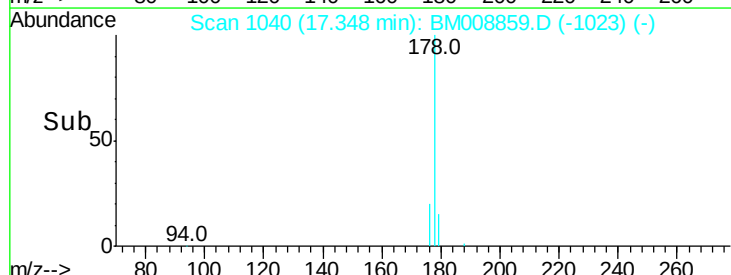
Tgt Ion:178 Resp: 1837
 Ion Ratio Lower Upper
 178 100
 176 23.0 18.4 27.6
 179 18.0 13.6 20.4

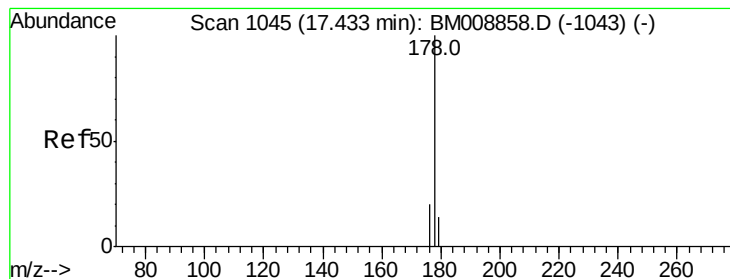


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



Time--> 17.20 17.30 17.40





#13

Anthracene

Concen: 0.44 ng/ul

RT: 17.43 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BM008859.D

Acq: 25 Jan 2017 10:10

Instrument :

BNA_M

ClientSampleId :

X2809

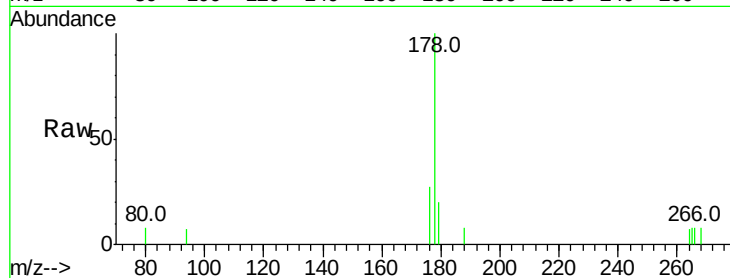
Tot Ion:178 Resp: 1183

Ion Ratio Lower Upper

178 100

176 26.5 18.1 27.1

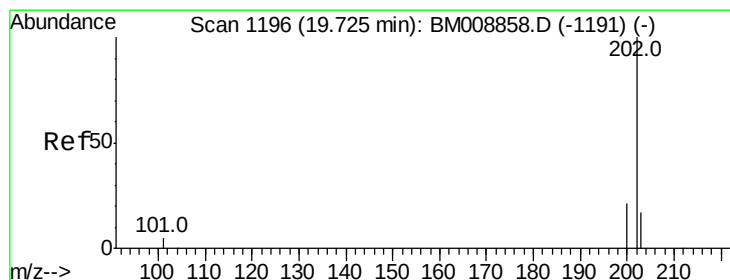
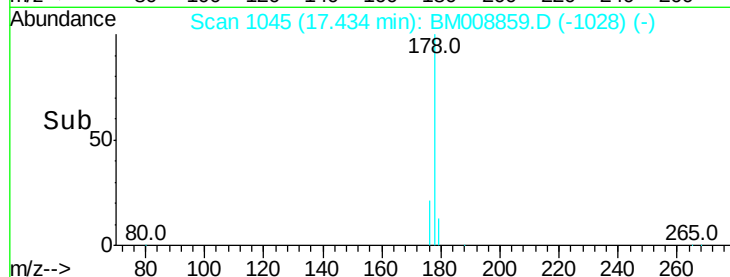
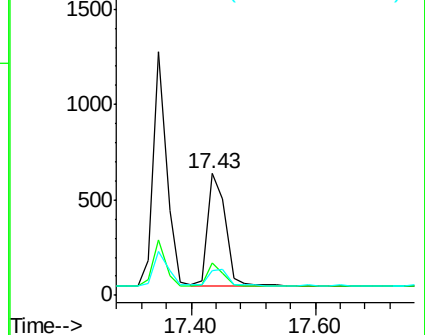
179 20.4 14.7 22.1



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



#17

Pyrene

Concen: 1.29 ng/ul

RT: 19.73 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BM008859.D

Acq: 25 Jan 2017 10:10

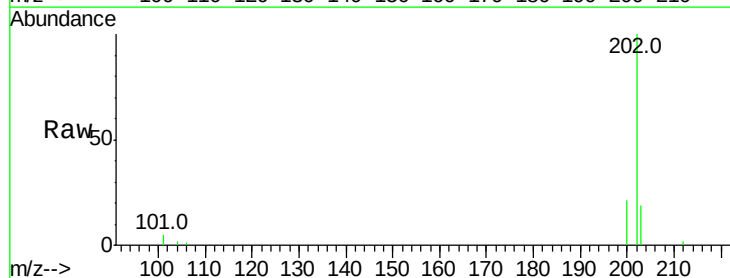
Tgt Ion:202 Resp: 4587

Ion Ratio Lower Upper

202 100

200 21.0 18.2 27.4

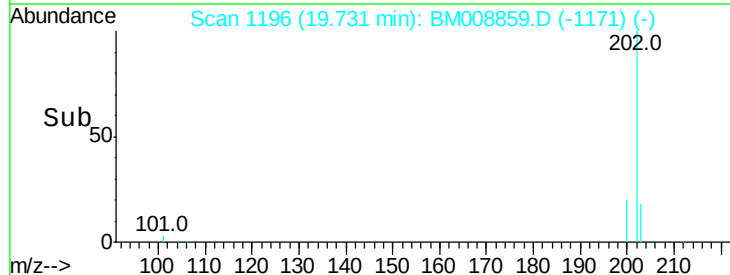
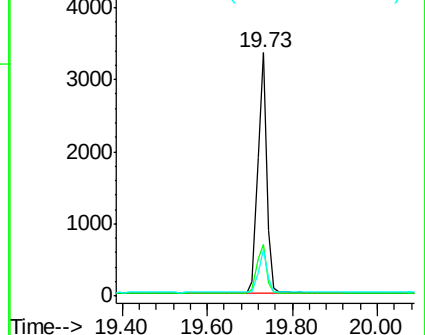
203 19.3 15.6 23.4

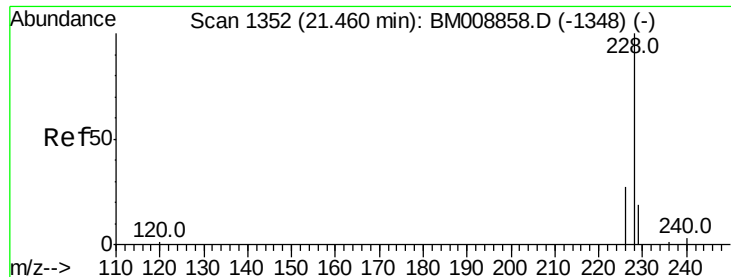


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.67 ng/ul

RT: 21.46 min Scan# 1352

Delta R.T. 0.00 min

Lab File: BM008859.D

Acq: 25 Jan 2017 10:10

Instrument :

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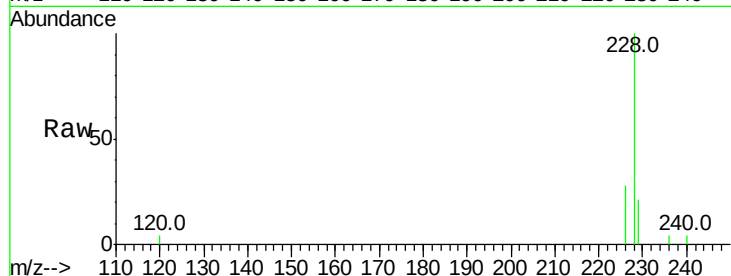
Tot Ion:228 Resp: 2229

Ion Ratio Lower Upper

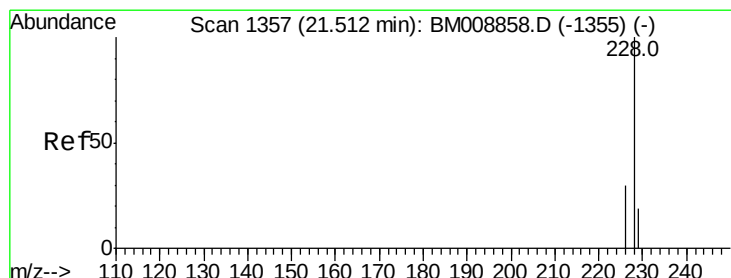
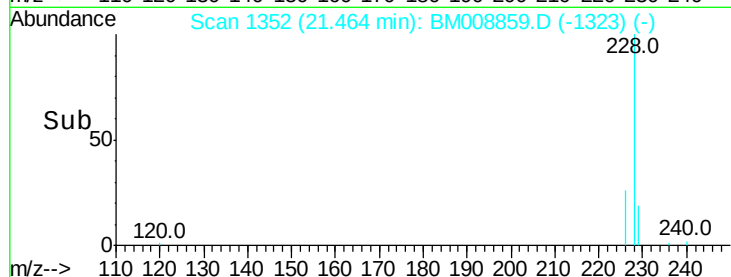
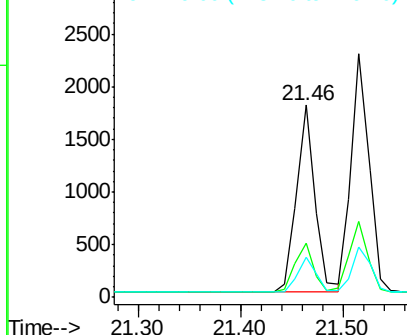
228 100

226 28.3 22.8 34.2

229 20.9 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: 0.89 ng/ul

RT: 21.52 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BM008859.D

Acq: 25 Jan 2017 10:10

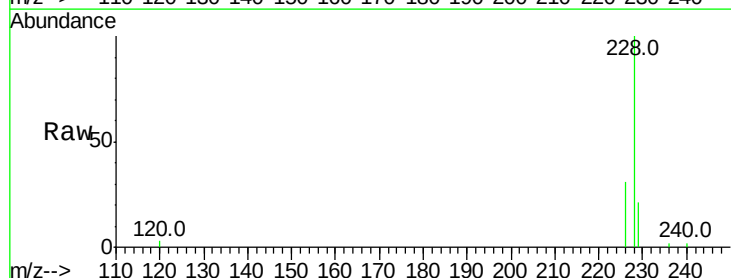
Tgt Ion:228 Resp: 2784

Ion Ratio Lower Upper

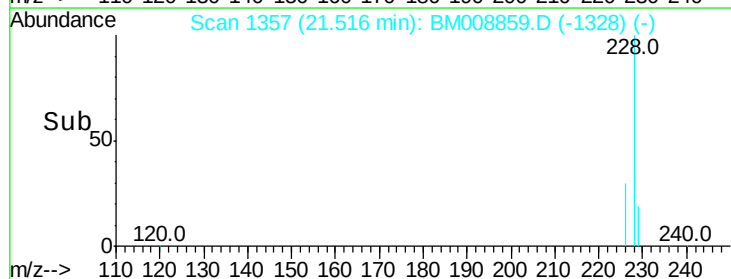
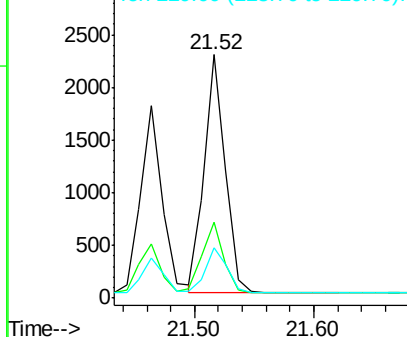
228 100

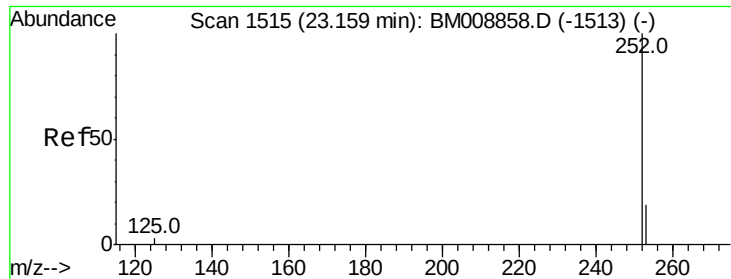
226 31.3 23.4 35.0

229 20.7 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





#22

Benzo(k)fluoranthene

Concen: 0.50 ng/ul

RT: 23.16 min Scan# 1515

Delta R.T. 0.00 min

Lab File: BM008859.D

Acq: 25 Jan 2017 10:10

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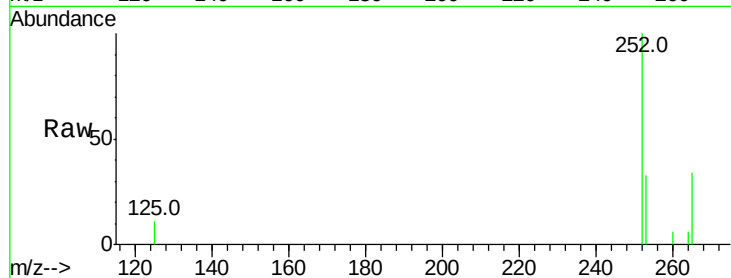
Tot Ion:252 Resp: 1491

Ion Ratio Lower Upper

252 100

253 33.4 24.5 36.7

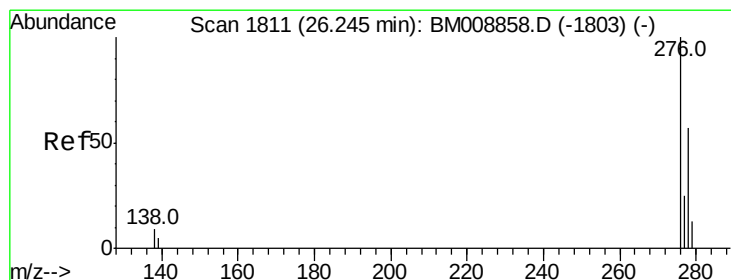
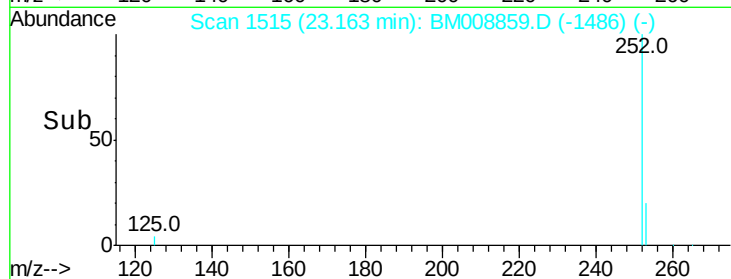
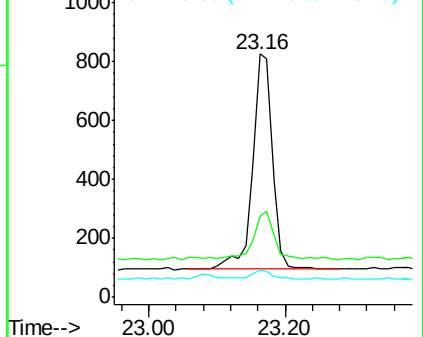
125 11.0 13.7 20.5#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.65 ng/ul

RT: 26.25 min Scan# 1811

Delta R.T. 0.00 min

Lab File: BM008859.D

Acq: 25 Jan 2017 10:10

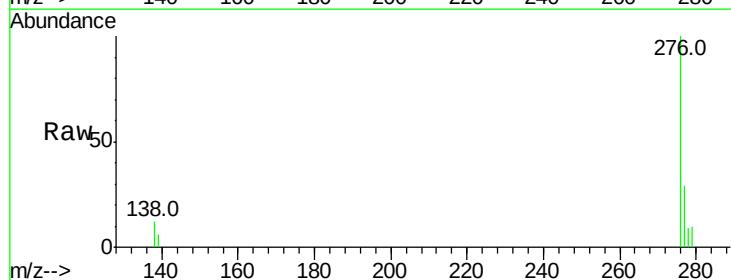
Tgt Ion:276 Resp: 2328

Ion Ratio Lower Upper

276 100

138 7.7 19.1 28.7#

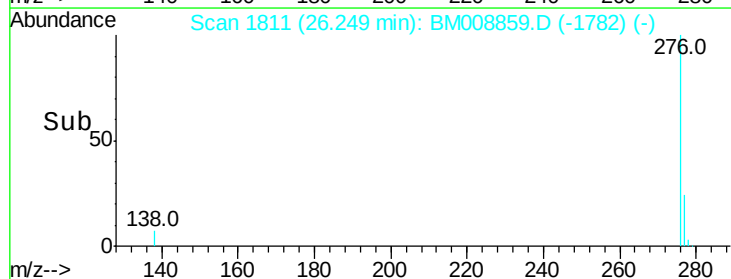
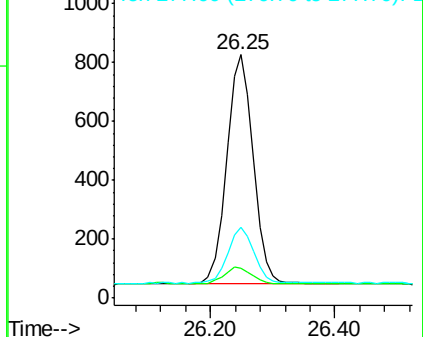
277 23.8 19.6 29.4

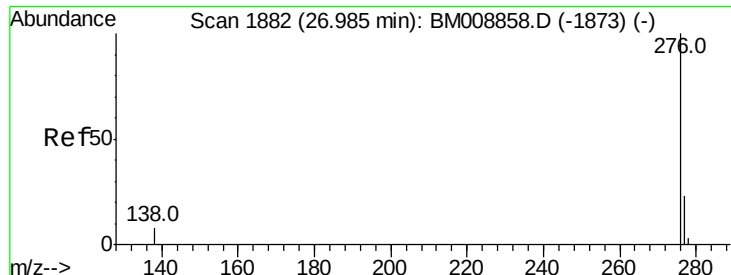


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.81 ng/ul

RT: 26.99 min Scan# 1882

Delta R.T. 0.00 min

Lab File: BM008859.D

Acq: 25 Jan 2017 10:10

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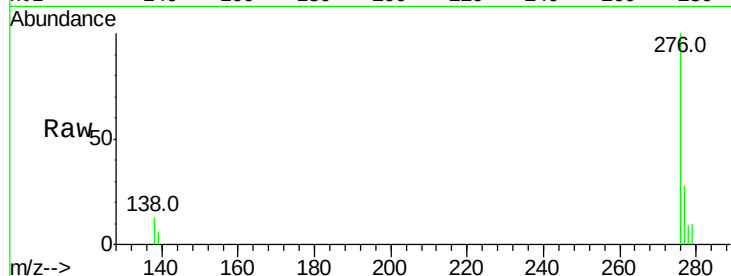
Tot Ion:276 Resp: 2539

Ion Ratio Lower Upper

276 100

277 27.9 21.8 32.8

138 12.9 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

