

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009181.D
 Acq On : 10 Mar 2017 18:46
 Operator : SJ/MA
 Sample : I2107-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA5

Quant Time: Mar 11 00:54:43 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	259	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	798	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	451	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	987	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1109	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	1155	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	155	0.12	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	407	0.13	ng/ul	0.00

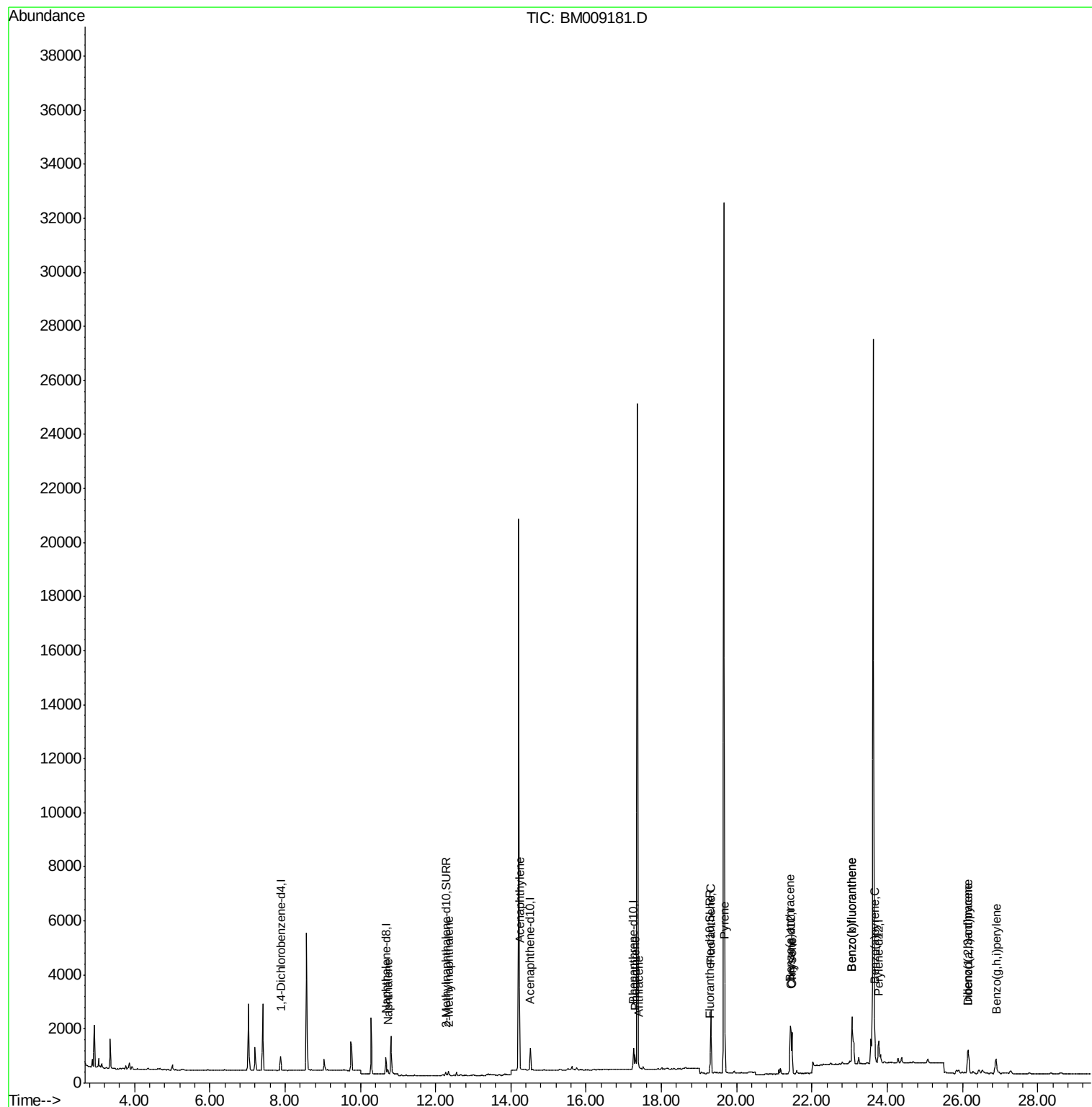
Target Compounds				Ovalue		
3) Naphthalene	10.73	128	232	0.10	ng/ul#	52
5) 2-Methylnaphthalene	12.34	142	103	0.06	ng/ul	98
7) Acenaphthylene	14.23	152	104	0.04	ng/ul#	11
12) Phenanthrene	17.30	178	701	0.23	ng/ul#	83
13) Anthracene	17.40	178	179	0.06	ng/ul#	49
15) Fluoranthene	19.32	202	2269	0.56	ng/ul	99
17) Pyrene	19.68	202	2242	0.59	ng/ul	96
18) Benzo(a)anthracene	21.42	228	1510	0.41	ng/ul	95
19) Chrysene	21.47	228	1493	0.43	ng/ul	92
21) Benzo(b)fluoranthene	23.07	252	3772	0.83	ng/ul	91
22) Benzo(k)fluoranthene	23.07	252	3772	0.94	ng/ul#	89
23) Benzo(a)pyrene	23.67	252	1823	0.45	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	26.15	276	1474	0.28	ng/ul#	90
25) Dibenzo(a,h)anthracene	26.15	278	353	0.08	ng/ul#	31
26) Benzo(g,h,i)perylene	26.89	276	1350	0.30	ng/ul#	91

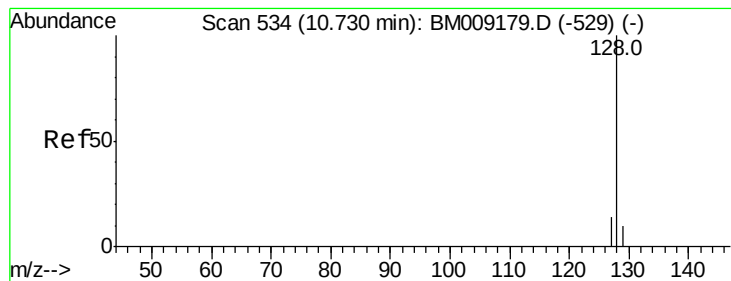
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.73 min Scan# 534

Delta R.T. -0.00 min

Lab File: BM009181.D

Acq: 10 Mar 2017 18:46

Instrument :

BNA_M

ClientSampleId :

C0AA5

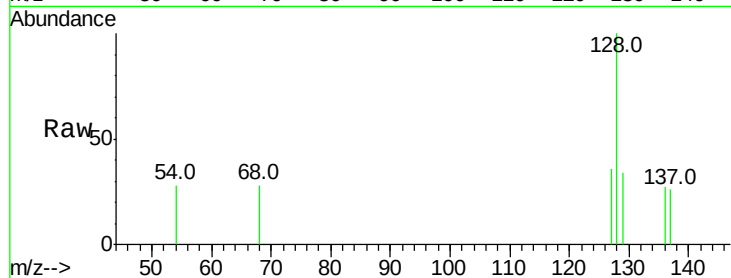
Tot Ion:128 Resp: 232

Ion Ratio Lower Upper

128 100

129 34.1 11.3 16.9#

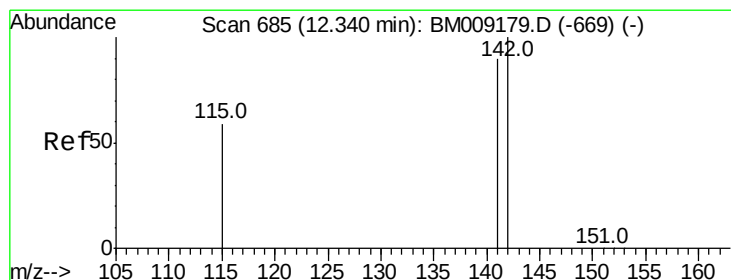
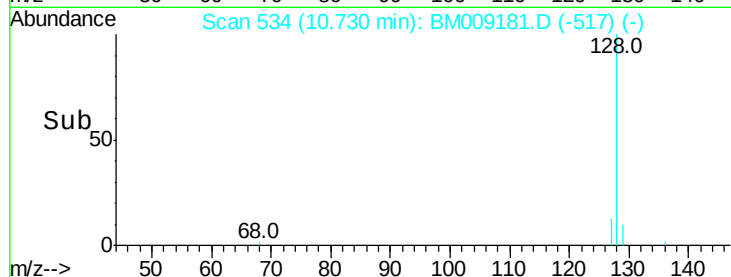
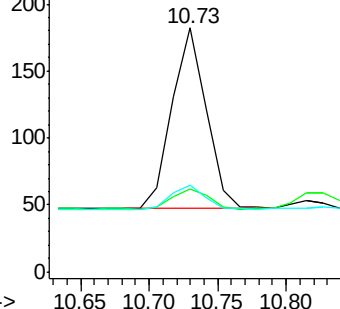
127 35.7 12.8 19.2#



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: 0.06 ng/ul

RT: 12.34 min Scan# 685

Delta R.T. -0.00 min

Lab File: BM009181.D

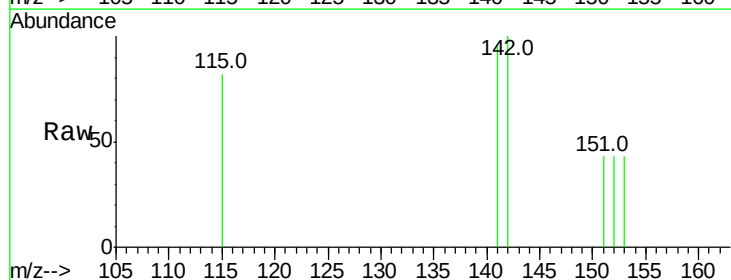
Acq: 10 Mar 2017 18:46

Tgt Ion:142 Resp: 103

Ion Ratio Lower Upper

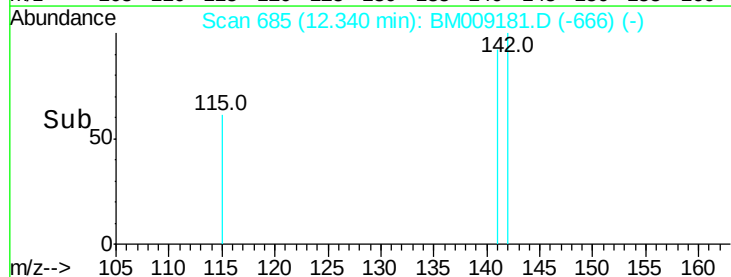
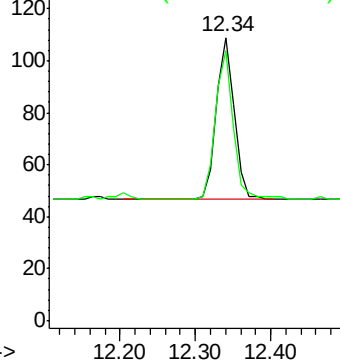
142 100

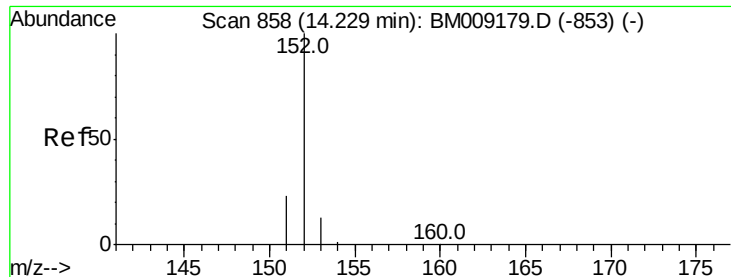
141 92.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.23 min Scan# 858

Delta R.T. -0.00 min

Lab File: BM009181.D

Acq: 10 Mar 2017 18:46

Instrument :

BNA_M

ClientSampleId :

C0AA5

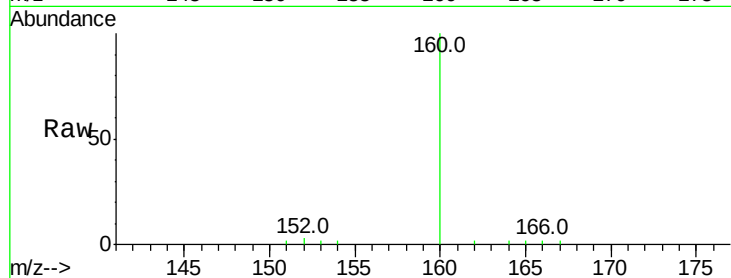
Tot Ion:152 Resp: 104

Ion Ratio Lower Upper

152 100

151 60.8 17.1 25.7#

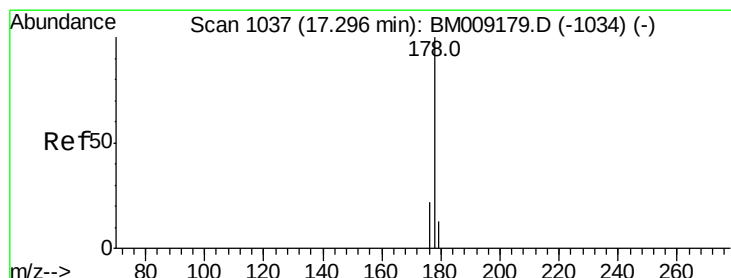
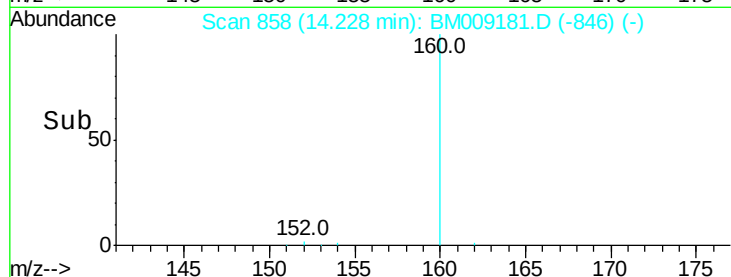
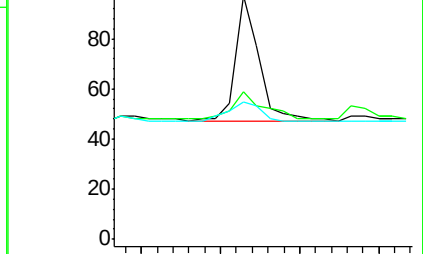
153 56.7 12.8 19.2#



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



#12

Phenanthrene

Concen: 0.23 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM009181.D

Acq: 10 Mar 2017 18:46

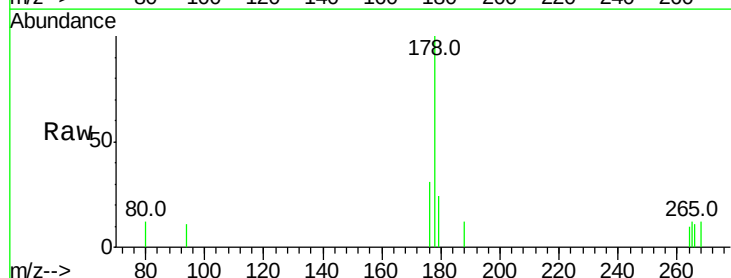
Tgt Ion:178 Resp: 701

Ion Ratio Lower Upper

178 100

176 31.2 18.4 27.6#

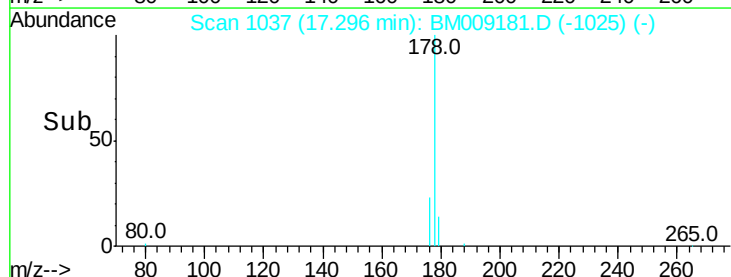
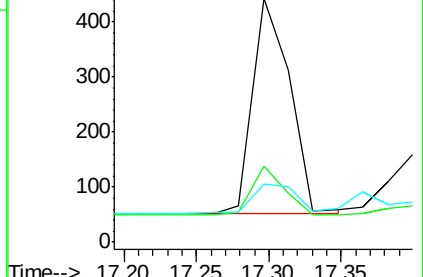
179 24.0 13.6 20.4#

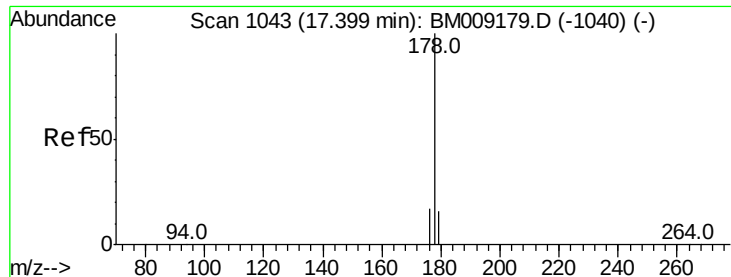


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#13

Anthracene

Concen: 0.06 ng/ul

RT: 17.40 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BM009181.D

Acq: 10 Mar 2017 18:46

Instrument :

BNA_M

ClientSampleId :

C0AA5

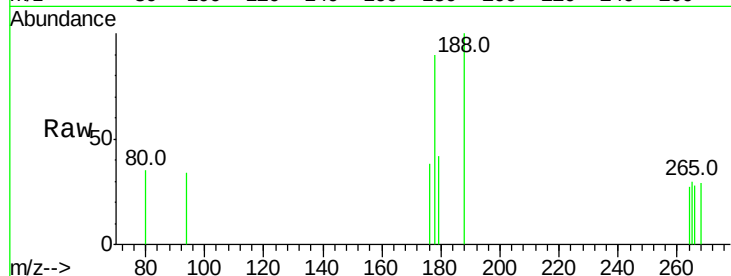
Tot Ion:178 Resp: 179

Ion Ratio Lower Upper

178 100

176 42.4 18.1 27.1#

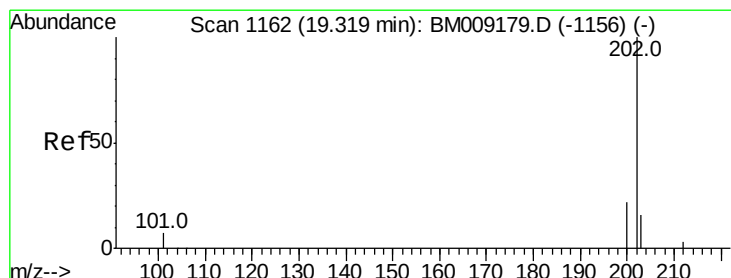
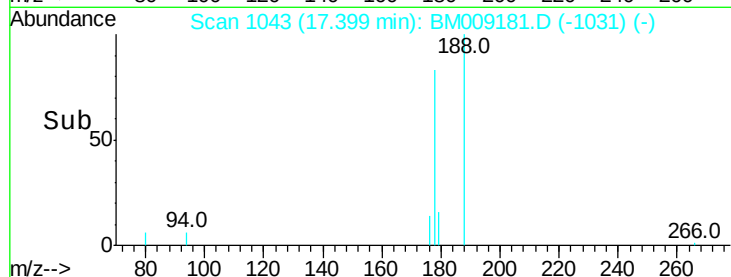
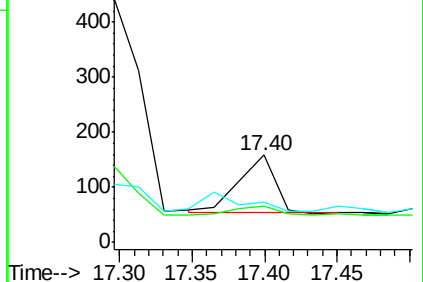
179 46.2 14.7 22.1#



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: 0.56 ng/ul

RT: 19.32 min Scan# 1162

Delta R.T. -0.00 min

Lab File: BM009181.D

Acq: 10 Mar 2017 18:46

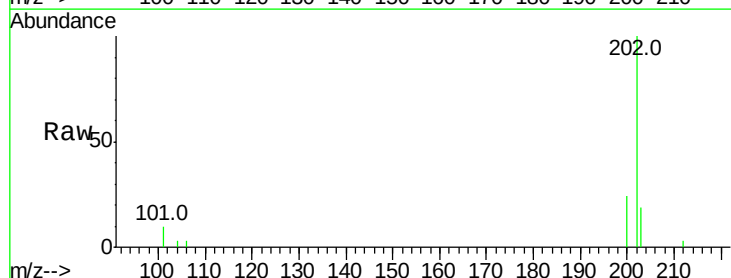
Tgt Ion:202 Resp: 2269

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.3

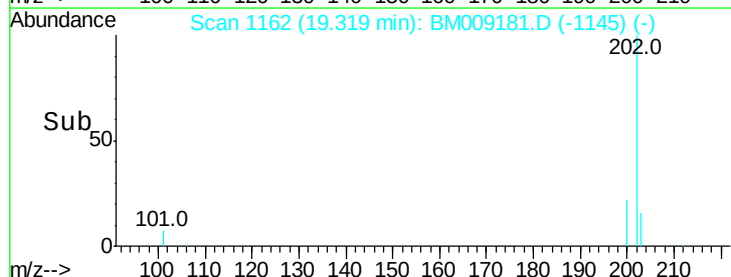
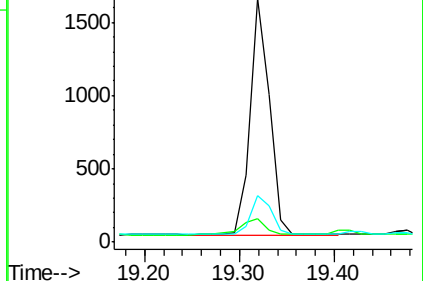
203 19.0 0.0 39.5

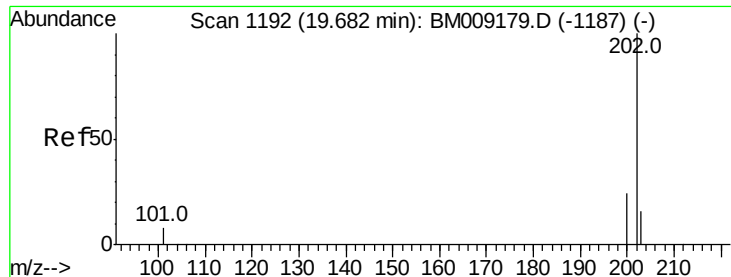


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pvrene

Concen: 0.59 ng/ul

RT: 19.68 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BM009181.D

Acq: 10 Mar 2017 18:46

Instrument :

BNA_M

ClientSampleId :

C0AA5

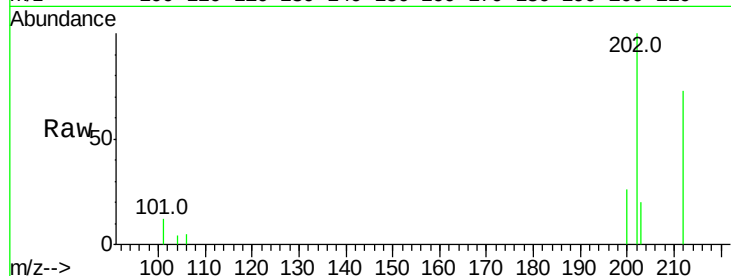
Tot Ion:202 Resp: 2242

Ion Ratio Lower Upper

202 100

200 25.8 18.2 27.4

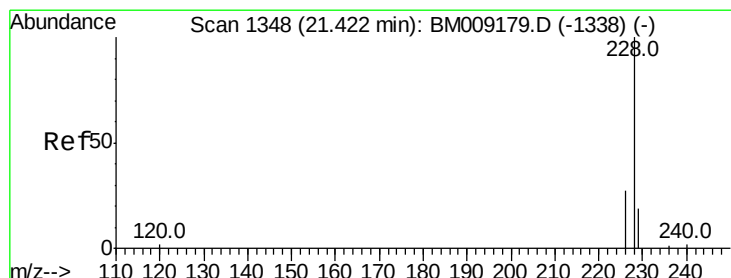
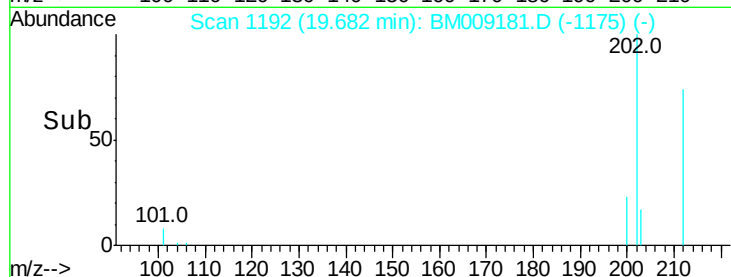
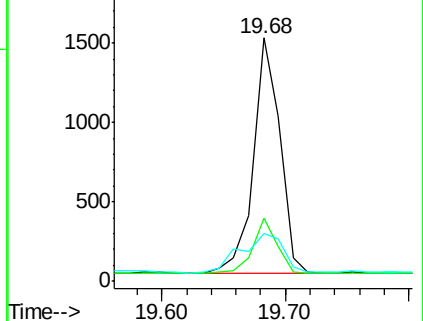
203 19.7 15.6 23.4



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: 0.41 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM009181.D

Acq: 10 Mar 2017 18:46

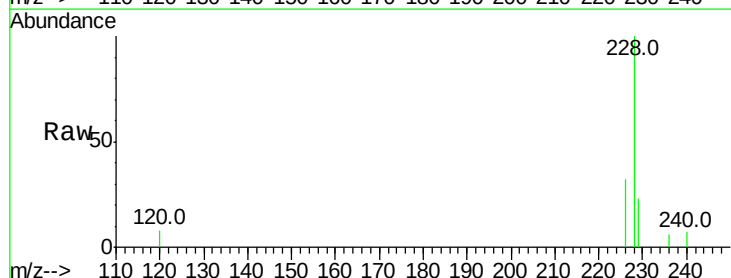
Tgt Ion:228 Resp: 1510

Ion Ratio Lower Upper

228 100

226 32.1 22.8 34.2

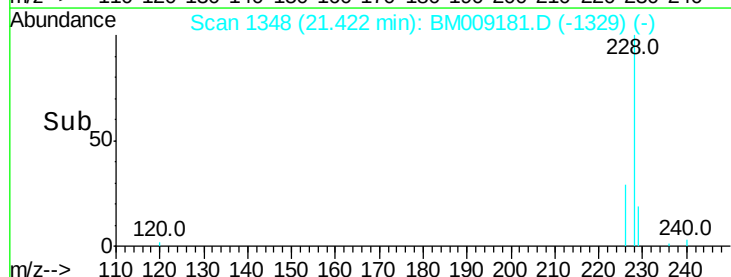
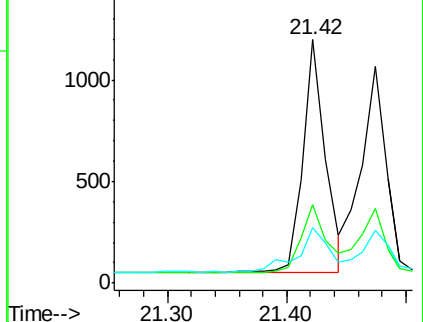
229 22.8 17.0 25.6

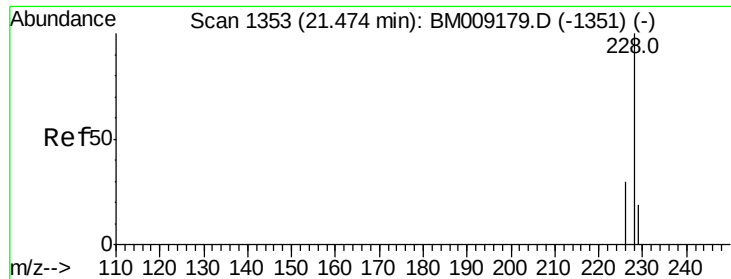


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.43 ng/ul

RT: 21.47 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BM009181.D

Acq: 10 Mar 2017 18:46

Instrument :

BNA_M

ClientSampleId :

C0AA5

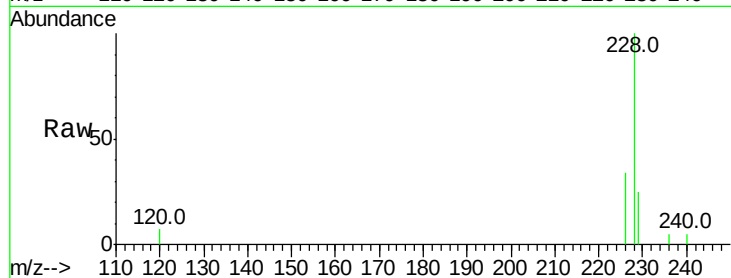
Tot Ion:228 Resp: 1493

Ion Ratio Lower Upper

228 100

226 34.2 23.4 35.0

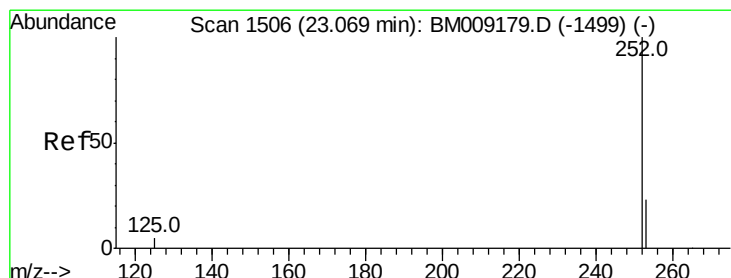
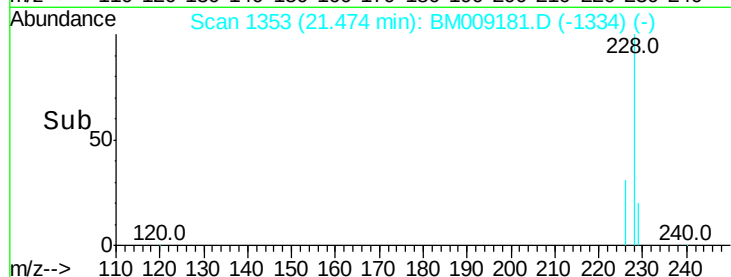
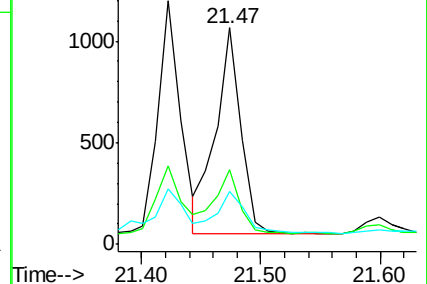
229 24.6 17.7 26.5



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: 0.83 ng/ul

RT: 23.07 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BM009181.D

Acq: 10 Mar 2017 18:46

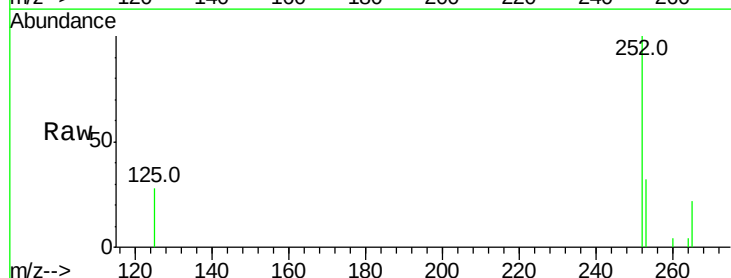
Tgt Ion:252 Resp: 3772

Ion Ratio Lower Upper

252 100

253 32.1 0.0 64.2

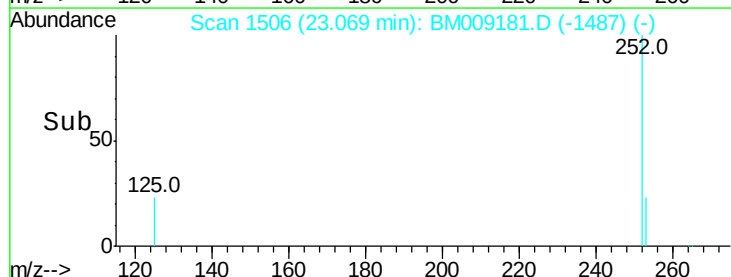
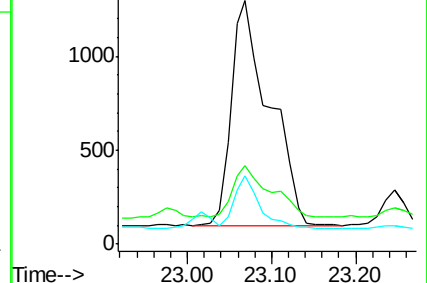
125 28.2 0.0 35.0

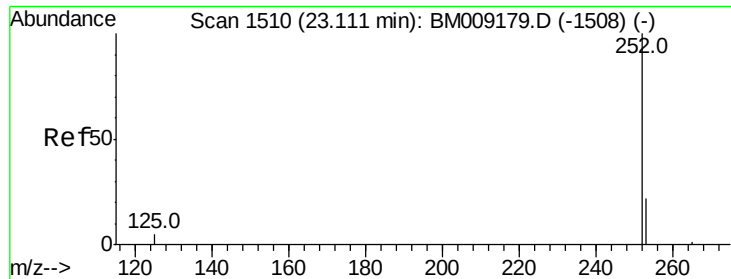


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.94 ng/ul

RT: 23.07 min Scan# 1506

Delta R.T. -0.04 min

Lab File: BM009181.D

Acq: 10 Mar 2017 18:46

Instrument :

BNA_M

ClientSampleId :

C0AA5

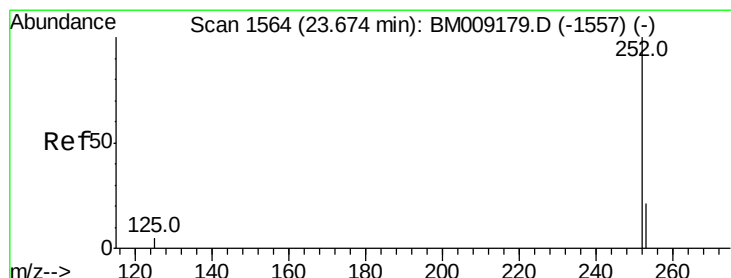
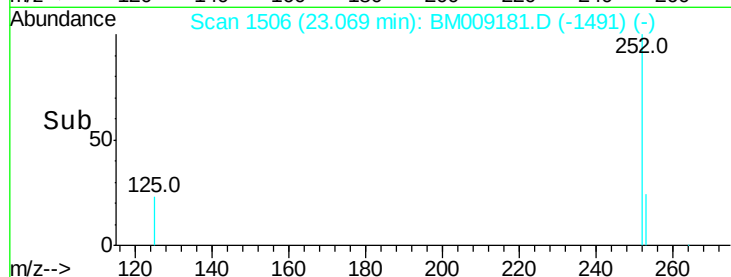
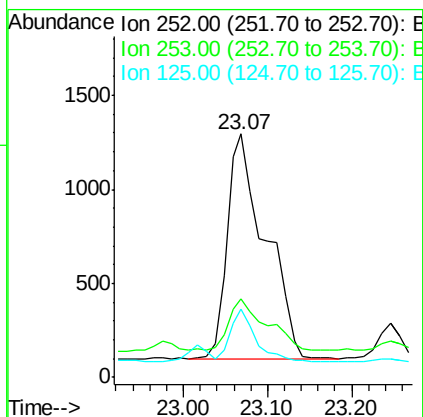
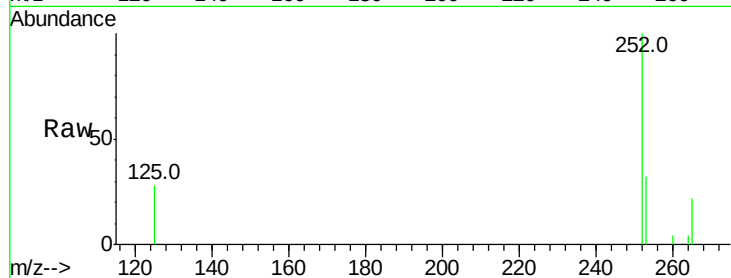
Tot Ion:252 Resp: 3772

Ion Ratio Lower Upper

252 100

253 32.1 24.5 36.7

125 28.2 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 0.45 ng/ul

RT: 23.67 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BM009181.D

Acq: 10 Mar 2017 18:46

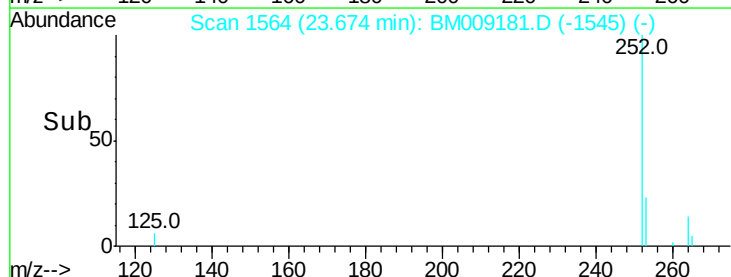
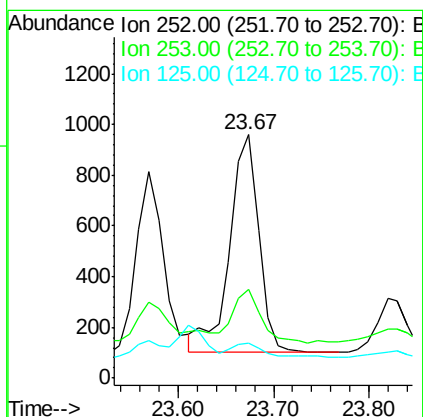
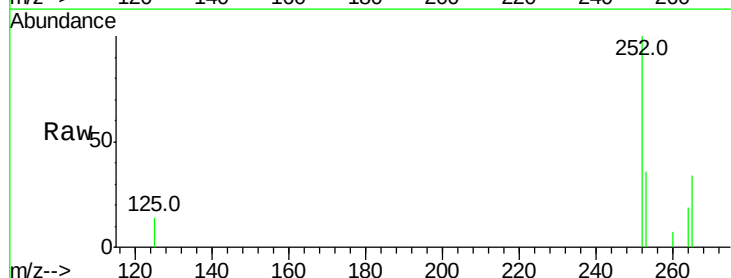
Tgt Ion:252 Resp: 1823

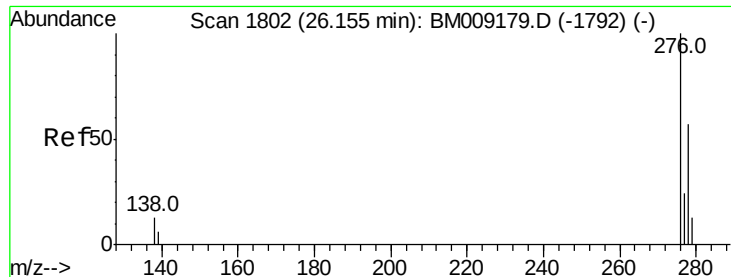
Ion Ratio Lower Upper

252 100

253 36.3 28.5 42.7

125 14.5 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.28 ng/ul

RT: 26.15 min Scan# 1802

Delta R.T. -0.00 min

Lab File: BM009181.D

Acq: 10 Mar 2017 18:46

Instrument :

BNA_M

ClientSampleId :

C0AA5

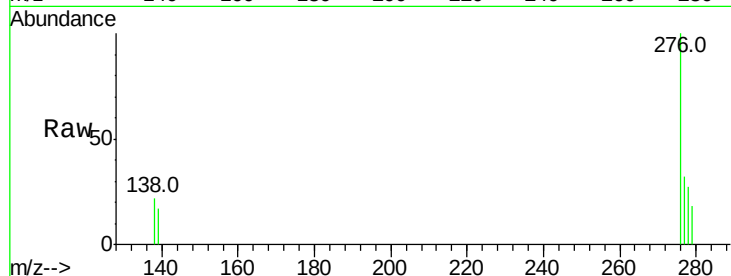
Tot Ion:276 Resp: 1474

Ion Ratio Lower Upper

276 100

138 14.2 19.1 28.7#

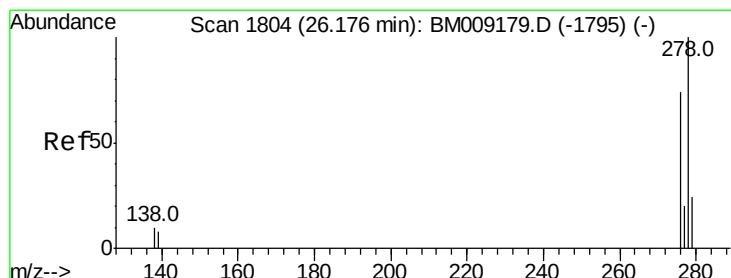
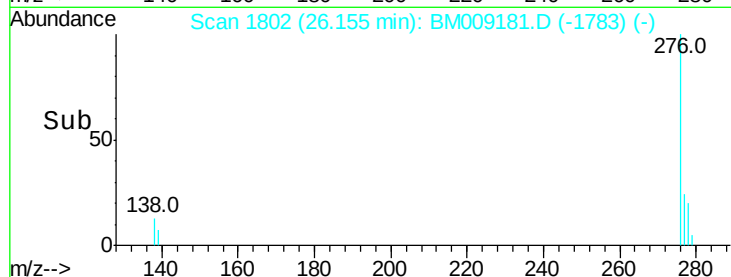
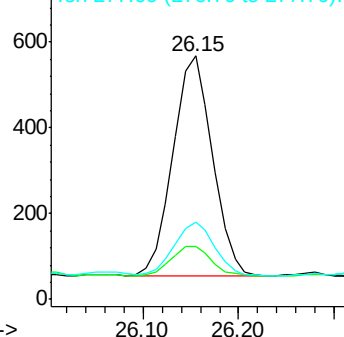
277 24.5 19.6 29.4



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: 0.08 ng/ul

RT: 26.15 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BM009181.D

Acq: 10 Mar 2017 18:46

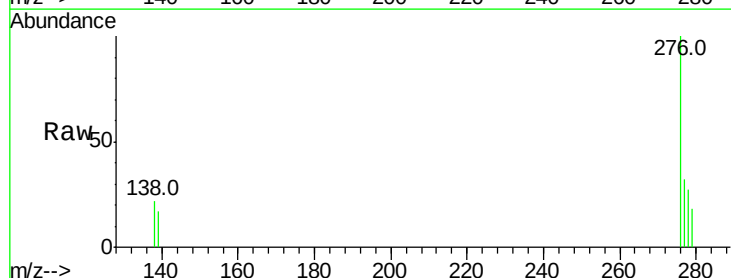
Tgt Ion:278 Resp: 353

Ion Ratio Lower Upper

278 100

139 60.9 17.4 26.0#

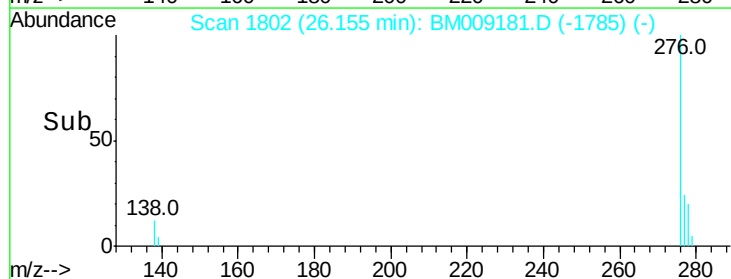
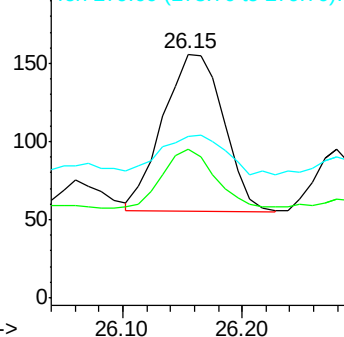
279 66.0 25.9 38.9#

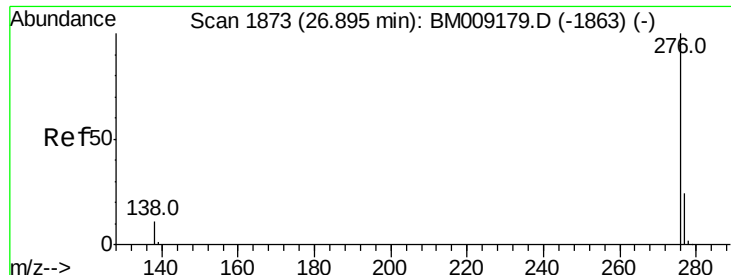


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.30 ng/ul

RT: 26.89 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM009181.D

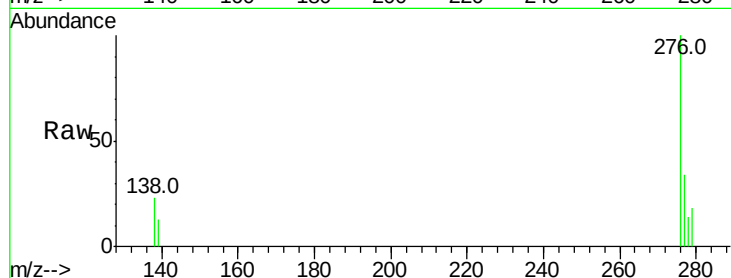
Acq: 10 Mar 2017 18:46

Instrument :

BNA_M

ClientSampleId :

C0AA5



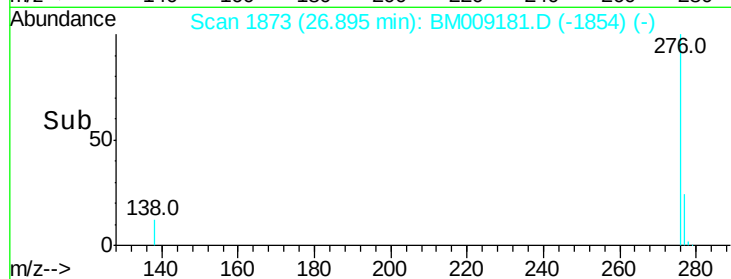
Tot Ion:276 Resp: 1350

Ion Ratio Lower Upper

276 100

277 34.2 21.8 32.8#

138 22.9 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

