

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
 Data File : BM009160.D
 Acq On : 09 Mar 2017 23:57
 Operator : SJ/MA
 Sample : I2062-20DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK6DL

Quant Time: Mar 10 03:17:54 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 10 03:16:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	263	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	840	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	464	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1087	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1222	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	1260	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	76	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	216	0.06	ng/ul	0.00

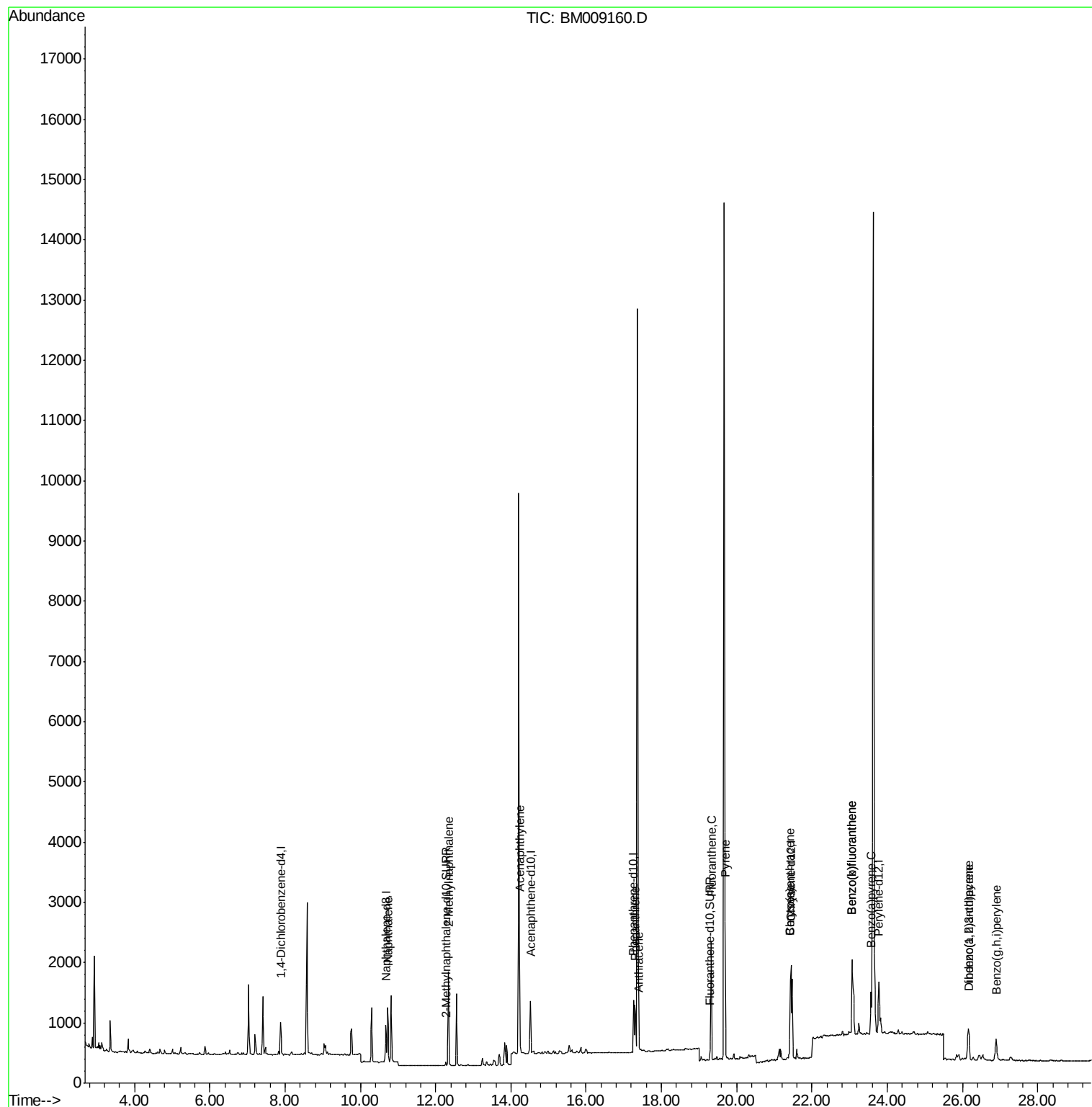
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	1240	0.51	ng/ul#	93
5) 2-Methylnaphthalene	12.34	142	1006	0.58	ng/ul	100
7) Acenaphthylene	14.23	152	115	0.05	ng/ul#	7
12) Phenanthrene	17.30	178	1158	0.34	ng/ul#	89
13) Anthracene	17.40	178	186	0.06	ng/ul#	48
15) Fluoranthene	19.33	202	2087	0.47	ng/ul	94
17) Pyrene	19.69	202	2235	0.53	ng/ul	96
18) Benzo(a)anthracene	21.42	228	1500	0.37	ng/ul#	92
19) Chrysene	21.42	228	1480	0.38	ng/ul	93
21) Benzo(b)fluoranthene	23.07	252	3048	0.62	ng/ul	97
22) Benzo(k)fluoranthene	23.07	252	3048	0.70	ng/ul	96
23) Benzo(a)pyrene	23.57	252	1181	0.27	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	26.16	276	948	0.17	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.17	278	246	0.05	ng/ul#	17
26) Benzo(g,h,i)perylene	26.89	276	885	0.18	ng/ul#	88

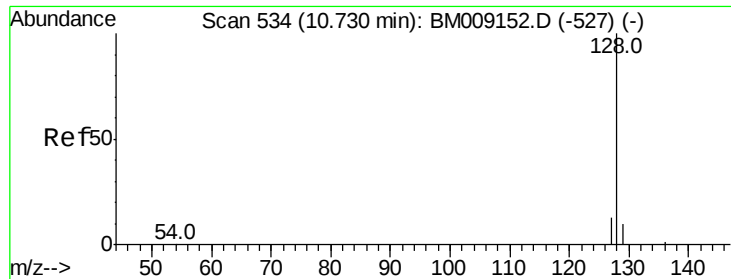
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.51 ng/ul

RT: 10.73 min Scan# 534

Delta R.T. -0.00 min

Lab File: BM009160.D

Acq: 09 Mar 2017 23:57

Instrument :

BNA_M

ClientSampleId :

C0AK6DL

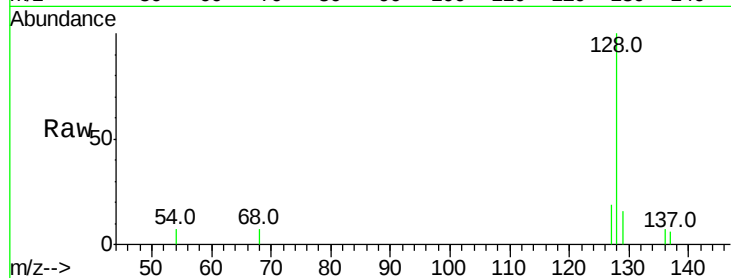
Tot Ion:128 Resp: 1240

Ion Ratio Lower Upper

128 100

129 16.3 11.3 16.9

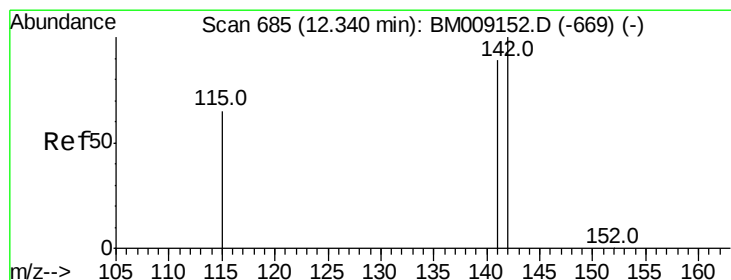
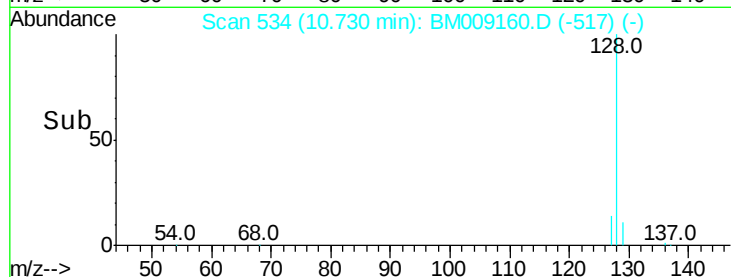
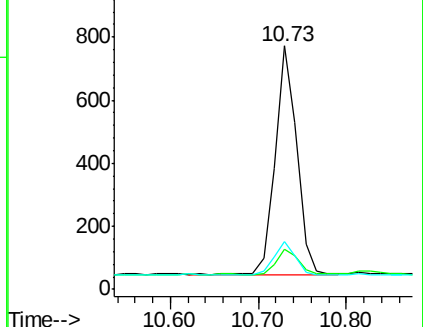
127 19.4 12.8 19.2#



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: 0.58 ng/ul

RT: 12.34 min Scan# 685

Delta R.T. -0.00 min

Lab File: BM009160.D

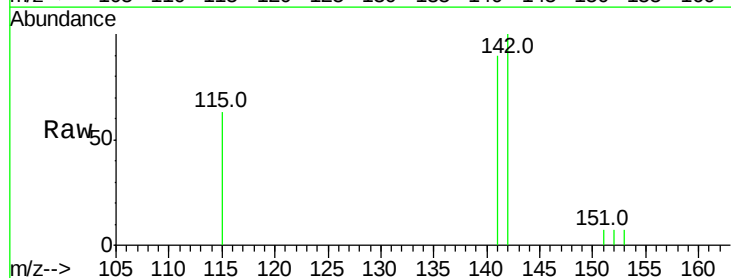
Acq: 09 Mar 2017 23:57

Tgt Ion:142 Resp: 1006

Ion Ratio Lower Upper

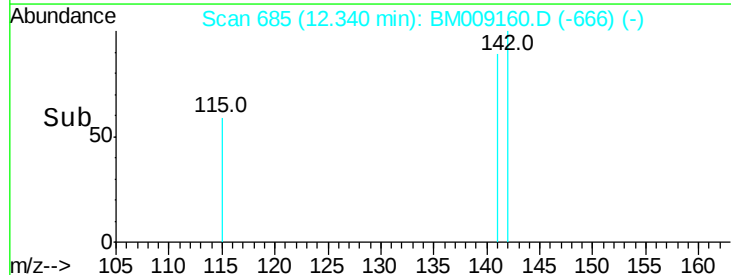
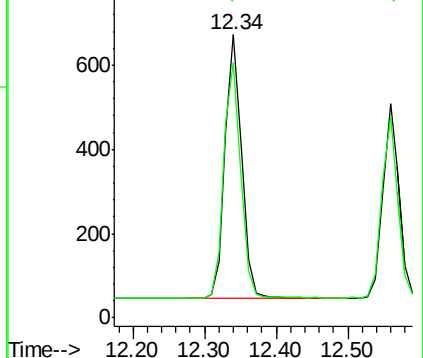
142 100

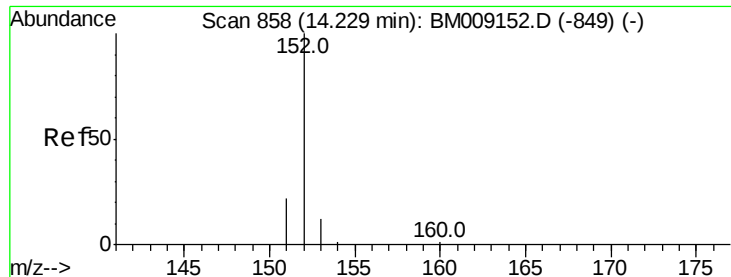
141 91.0 72.6 108.8



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: 14.23 min Scan# 858

Delta R.T. -0.00 min

Lab File: BM009160.D

Acq: 09 Mar 2017 23:57

Instrument :

BNA_M

ClientSampleId :

C0AK6DL

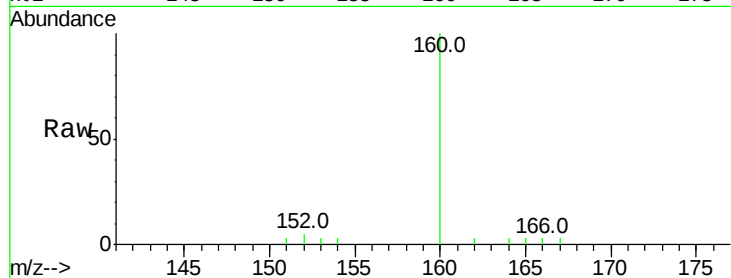
Tot Ion:152 Resp: 115

Ion Ratio Lower Upper

152 100

151 60.0 17.1 25.7#

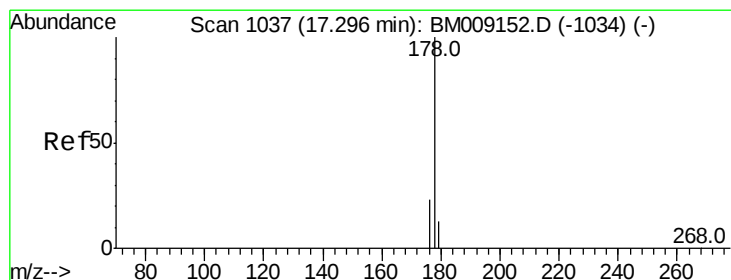
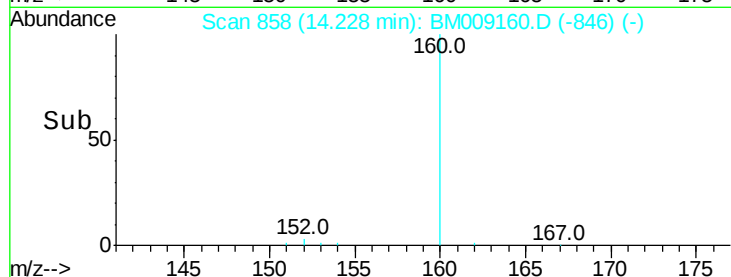
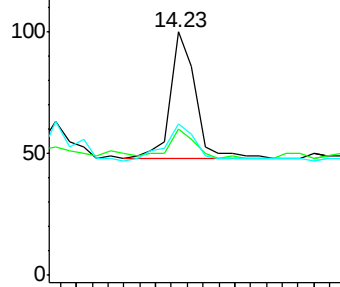
153 62.0 12.8 19.2#



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



#12

Phenanthrene

Concen: 0.34 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM009160.D

Acq: 09 Mar 2017 23:57

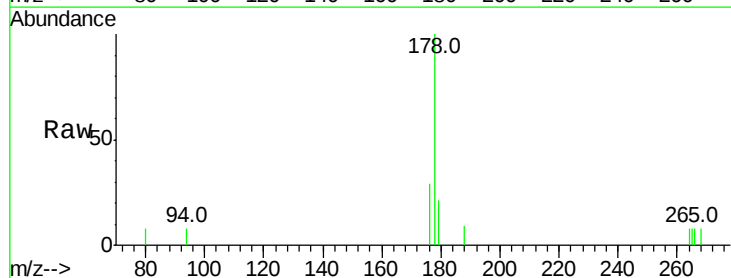
Tgt Ion:178 Resp: 1158

Ion Ratio Lower Upper

178 100

176 28.9 18.4 27.6#

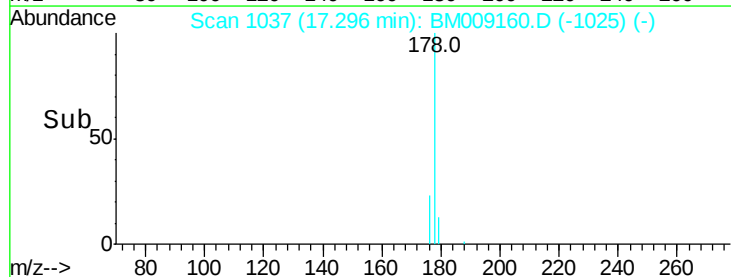
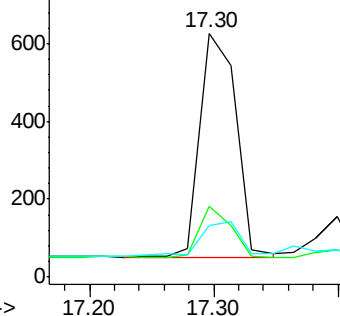
179 20.9 13.6 20.4#

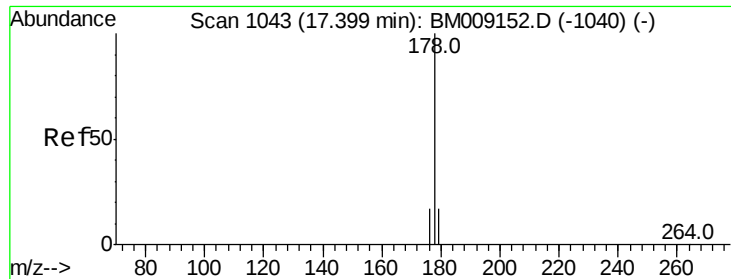


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM009160.D

Acq: 09 Mar 2017 23:57

Instrument :

BNA_M

ClientSampleId :

C0AK6DL

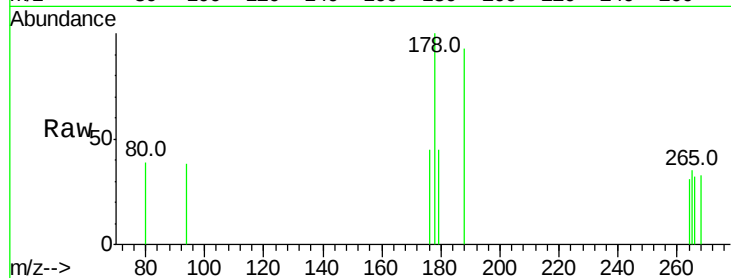
Tot Ion:178 Resp: 186

Ion Ratio Lower Upper

178 100

176 44.8 18.1 27.1#

179 44.8 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

800

600

400

200

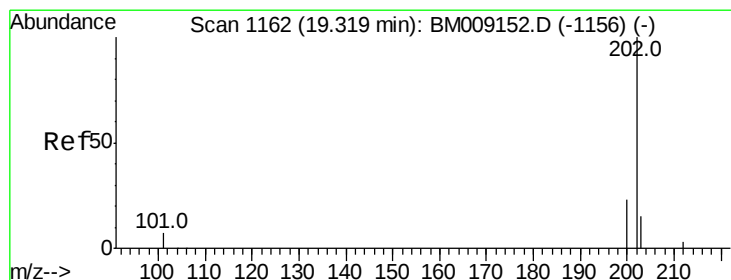
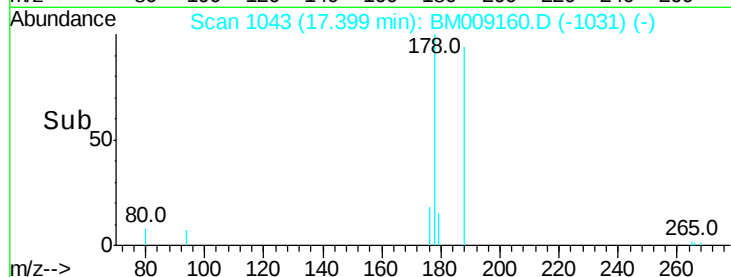
0

17.30

17.40

17.50

Time-->



#15

Fluoranthene

Concen: 0.47 ng/ul

RT: 19.33 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BM009160.D

Acq: 09 Mar 2017 23:57

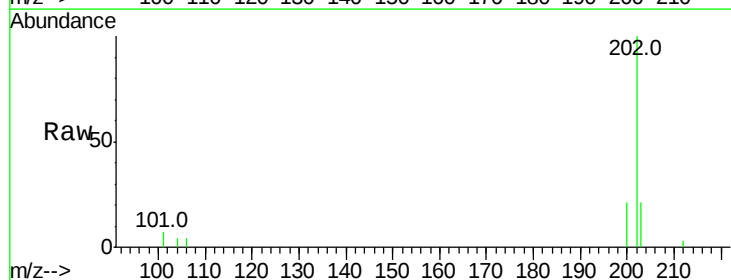
Tgt Ion:202 Resp: 2087

Ion Ratio Lower Upper

202 100

101 6.8 0.0 30.3

203 21.5 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

2000

1500

1000

500

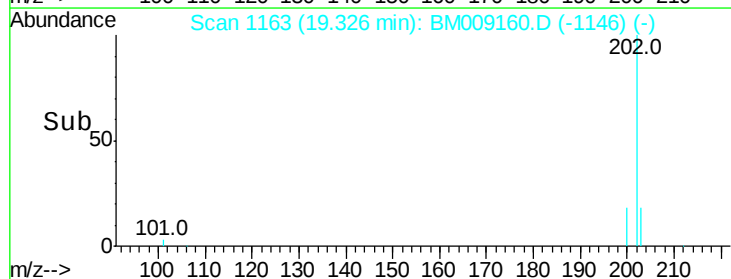
0

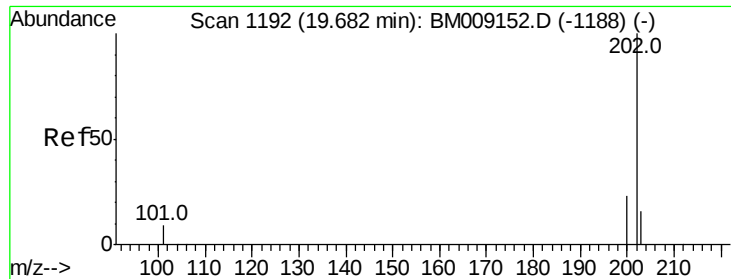
19.30

19.33

19.40

Time-->





#17

Pvrene

Concen: 0.53 ng/ul

RT: 19.69 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BM009160.D

Acq: 09 Mar 2017 23:57

Instrument :

BNA_M

ClientSampleId :

C0AK6DL

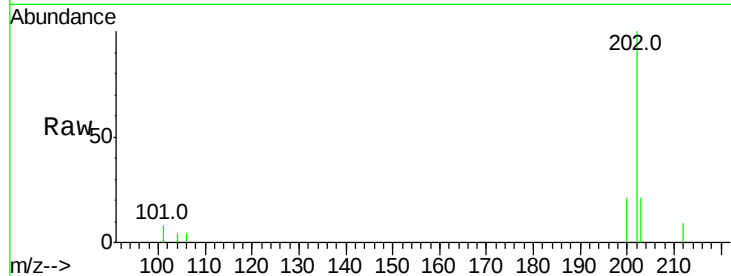
Tot Ion:202 Resp: 2235

Ion Ratio Lower Upper

202 100

200 21.2 18.2 27.4

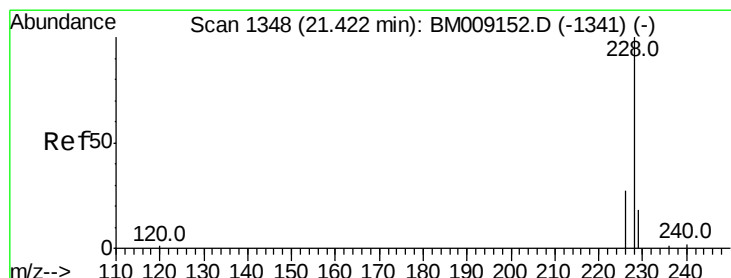
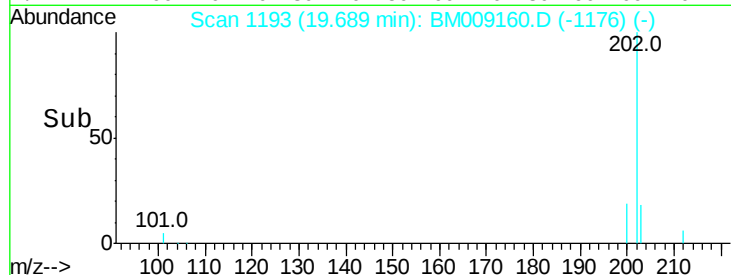
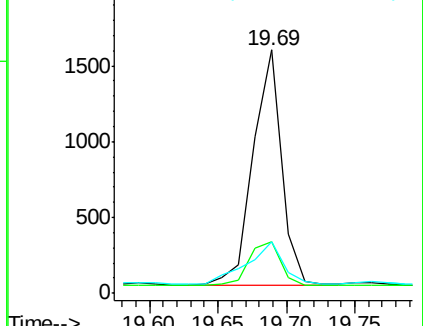
203 21.3 15.6 23.4



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: 0.37 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM009160.D

Acq: 09 Mar 2017 23:57

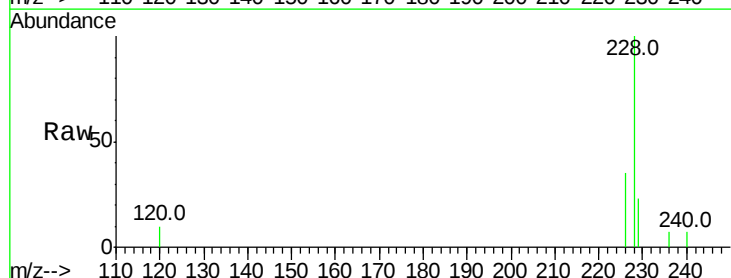
Tgt Ion:228 Resp: 1500

Ion Ratio Lower Upper

228 100

226 34.5 22.8 34.2#

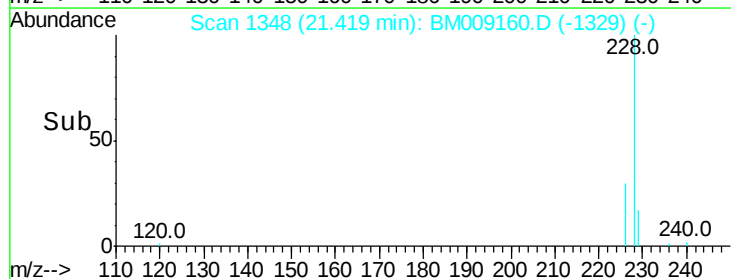
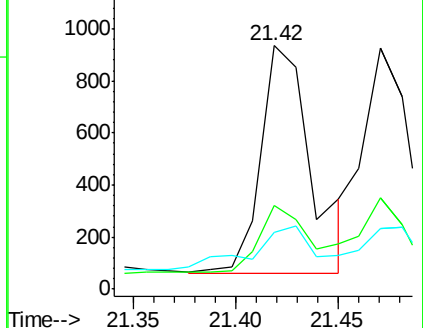
229 23.3 17.0 25.6

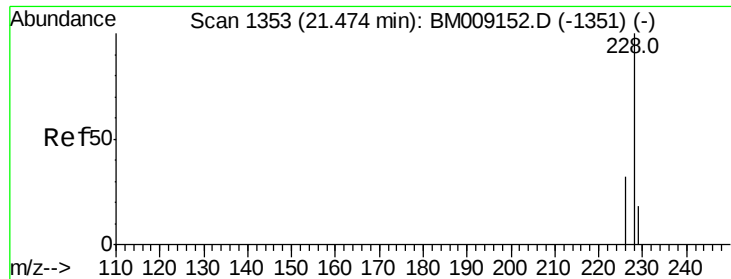


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.38 ng/u1

RT: 21.42 min Scan# 1348

Delta R.T. -0.06 min

Lab File: BM009160.D

Acq: 09 Mar 2017 23:57

Instrument :

BNA_M

ClientSampleId :

C0AK6DL

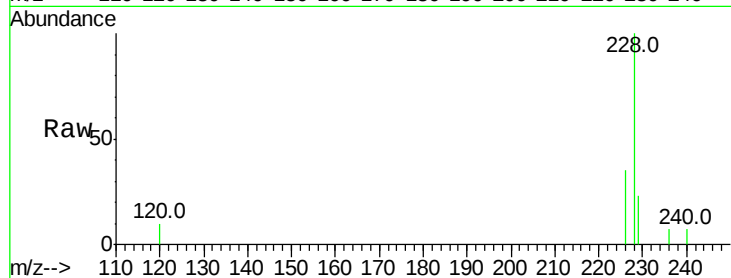
Tot Ion:228 Resp: 1480

Ion Ratio Lower Upper

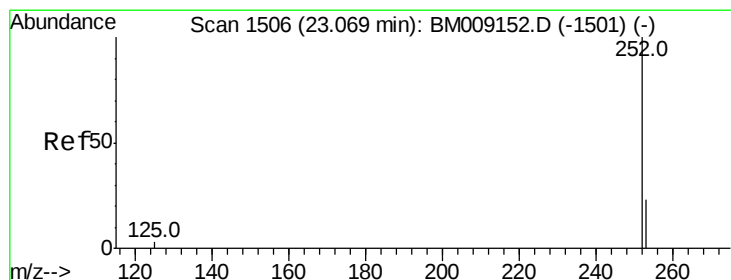
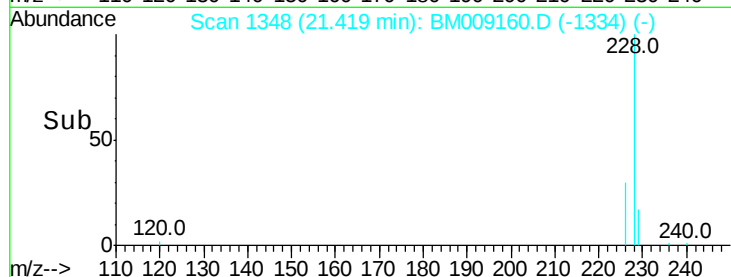
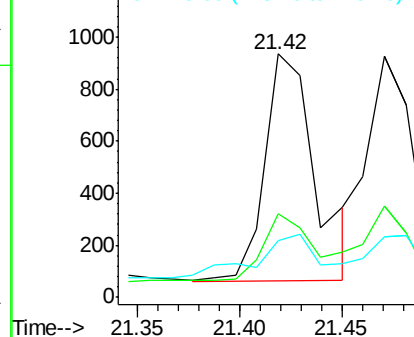
228 100

226 34.5 23.4 35.0

229 23.3 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: 0.62 ng/u1

RT: 23.07 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BM009160.D

Acq: 09 Mar 2017 23:57

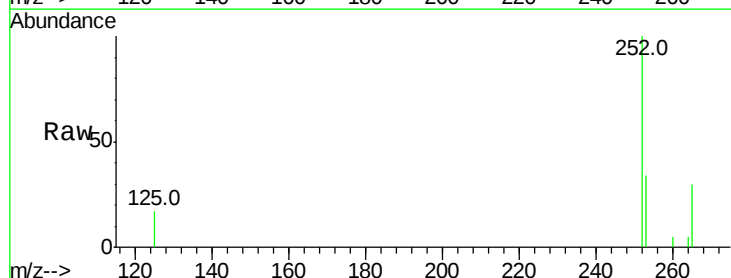
Tgt Ion:252 Resp: 3048

Ion Ratio Lower Upper

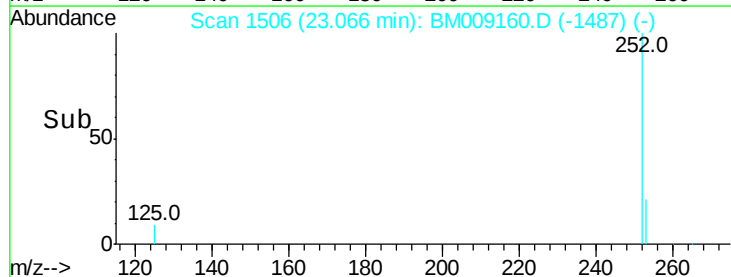
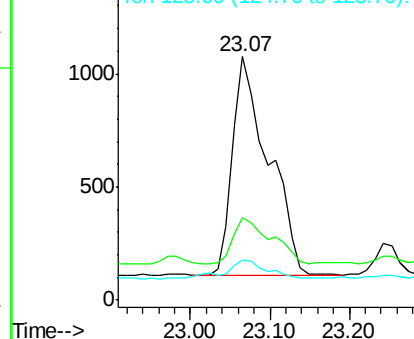
252 100

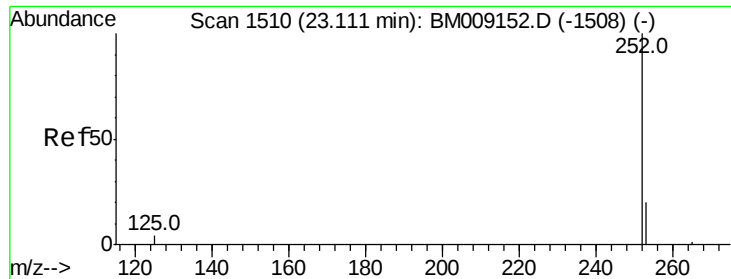
253 33.8 0.0 64.2

125 16.6 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: 0.70 ng/ul

RT: 23.07 min Scan# 1506

Delta R.T. -0.05 min

Lab File: BM009160.D

Acq: 09 Mar 2017 23:57

Instrument :

BNA_M

ClientSampleId :

C0AK6DL

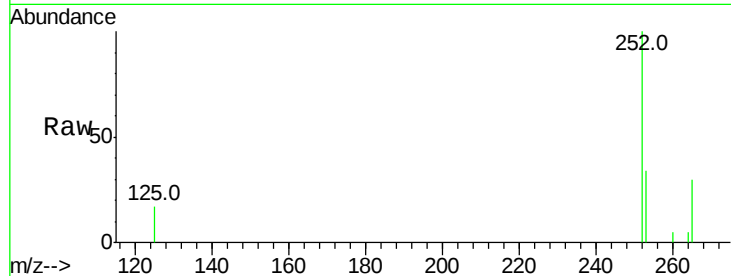
Tot Ion:252 Resp: 3048

Ion Ratio Lower Upper

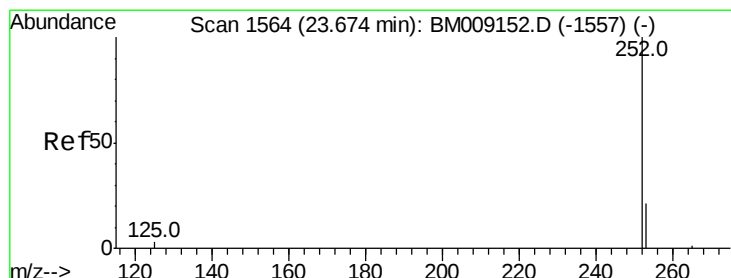
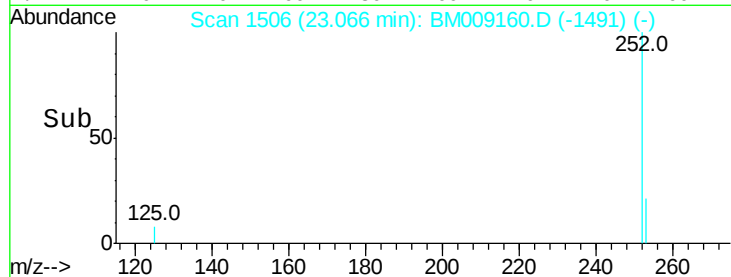
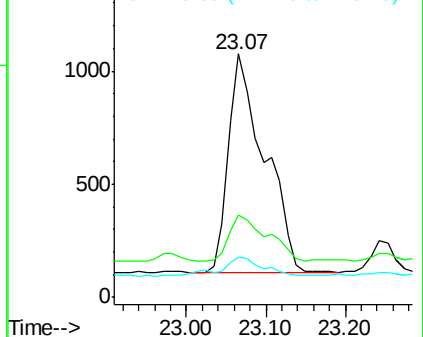
252 100

253 33.8 24.5 36.7

125 16.6 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: 0.27 ng/ul

RT: 23.57 min Scan# 1554

Delta R.T. -0.11 min

Lab File: BM009160.D

Acq: 09 Mar 2017 23:57

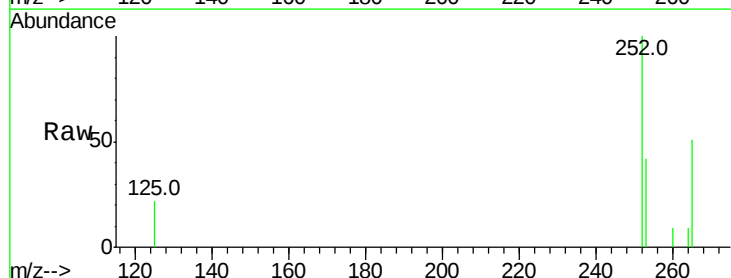
Tgt Ion:252 Resp: 1181

Ion Ratio Lower Upper

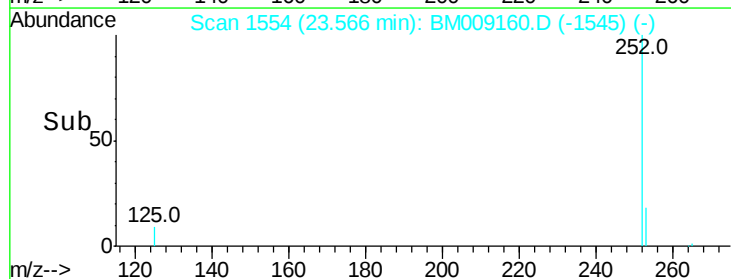
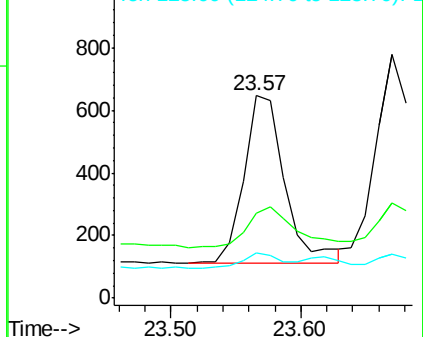
252 100

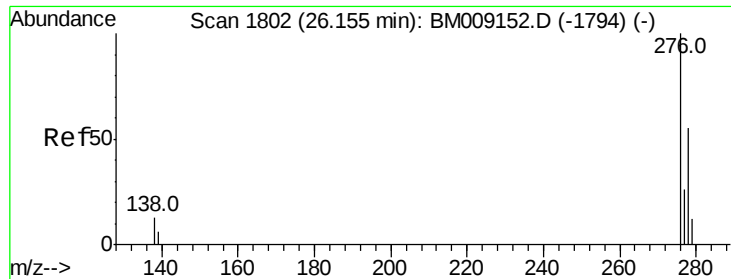
253 41.9 28.5 42.7

125 22.1 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

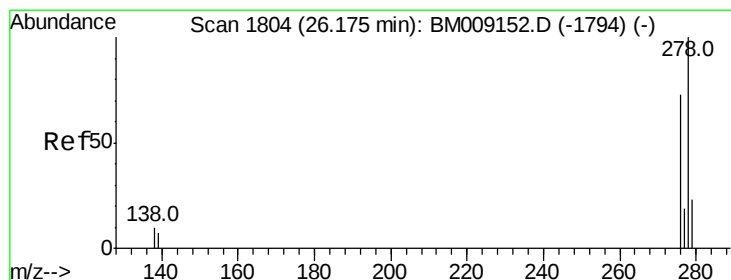
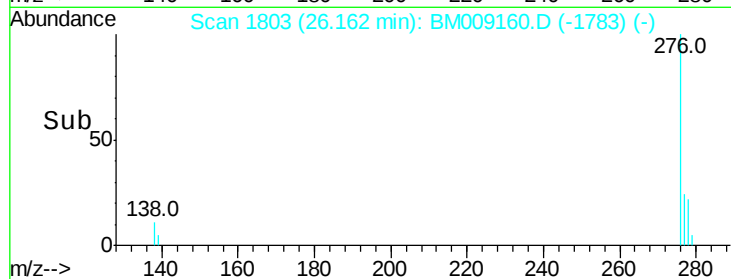
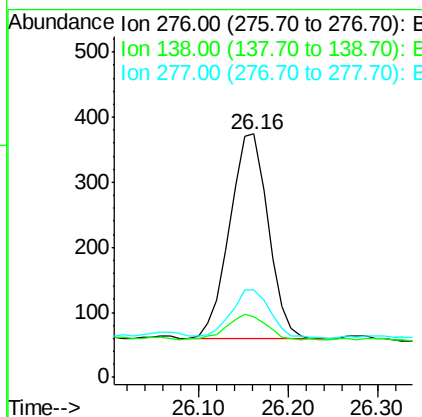
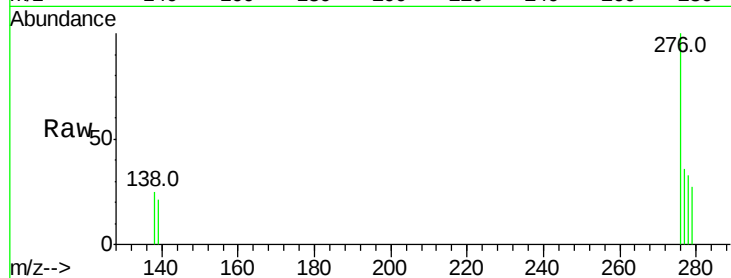




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.17 ng/ul
 RT: 26.16 min Scan# 1803
 Delta R.T. 0.01 min
 Lab File: BM009160.D
 Acq: 09 Mar 2017 23:57

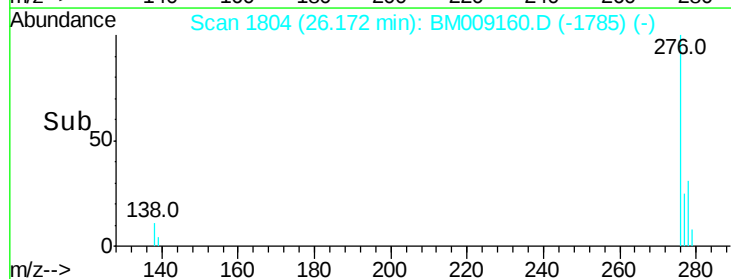
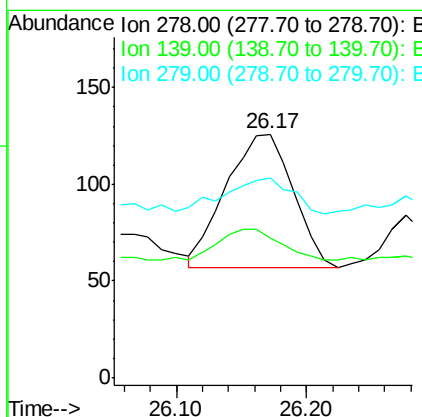
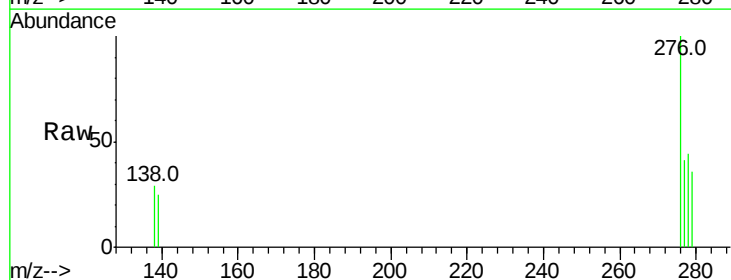
Instrument :
 BNA_M
 ClientSampleId :
 C0AK6DL

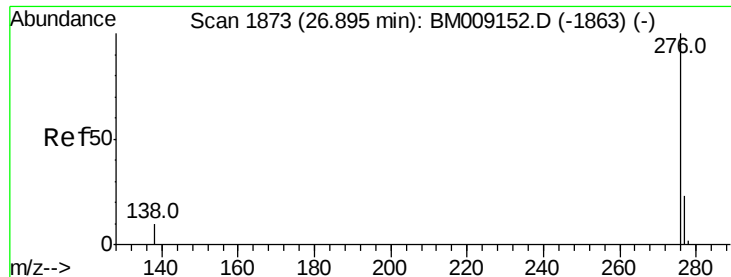
Tot Ion:276 Resp: 948
 Ion Ratio Lower Upper
 276 100
 138 12.6 19.1 28.7#
 277 24.4 19.6 29.4



#25
 Dibenzo(a,h)anthracene
 Concen: 0.05 ng/ul
 RT: 26.17 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: BM009160.D
 Acq: 09 Mar 2017 23:57

Tgt Ion:278 Resp: 246
 Ion Ratio Lower Upper
 278 100
 139 57.1 17.4 26.0#
 279 81.7 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.18 ng/ul

RT: 26.89 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM009160.D

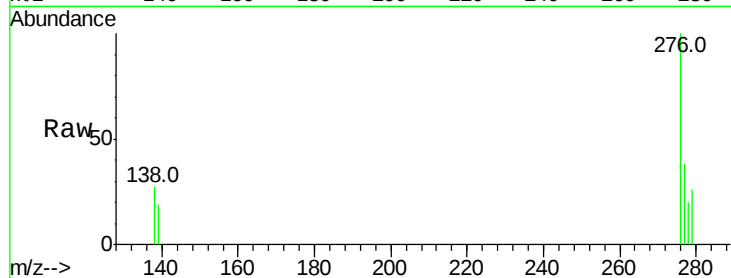
Acq: 09 Mar 2017 23:57

Instrument :

BNA_M

ClientSampleId :

C0AK6DL



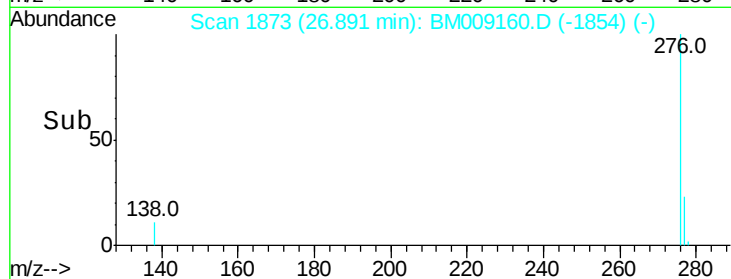
Tot Ion:276 Resp: 885

Ion Ratio Lower Upper

276 100

277 37.8 21.8 32.8#

138 26.9 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

