

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
 Data File : BM009164.D
 Acq On : 10 Mar 2017 02:21
 Operator : SJ/MA
 Sample : I2062-22DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK8DL

Quant Time: Mar 10 03:18:27 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	810	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	443	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1004	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1101	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	1120	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	55	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	136	0.04	ng/ul	0.00

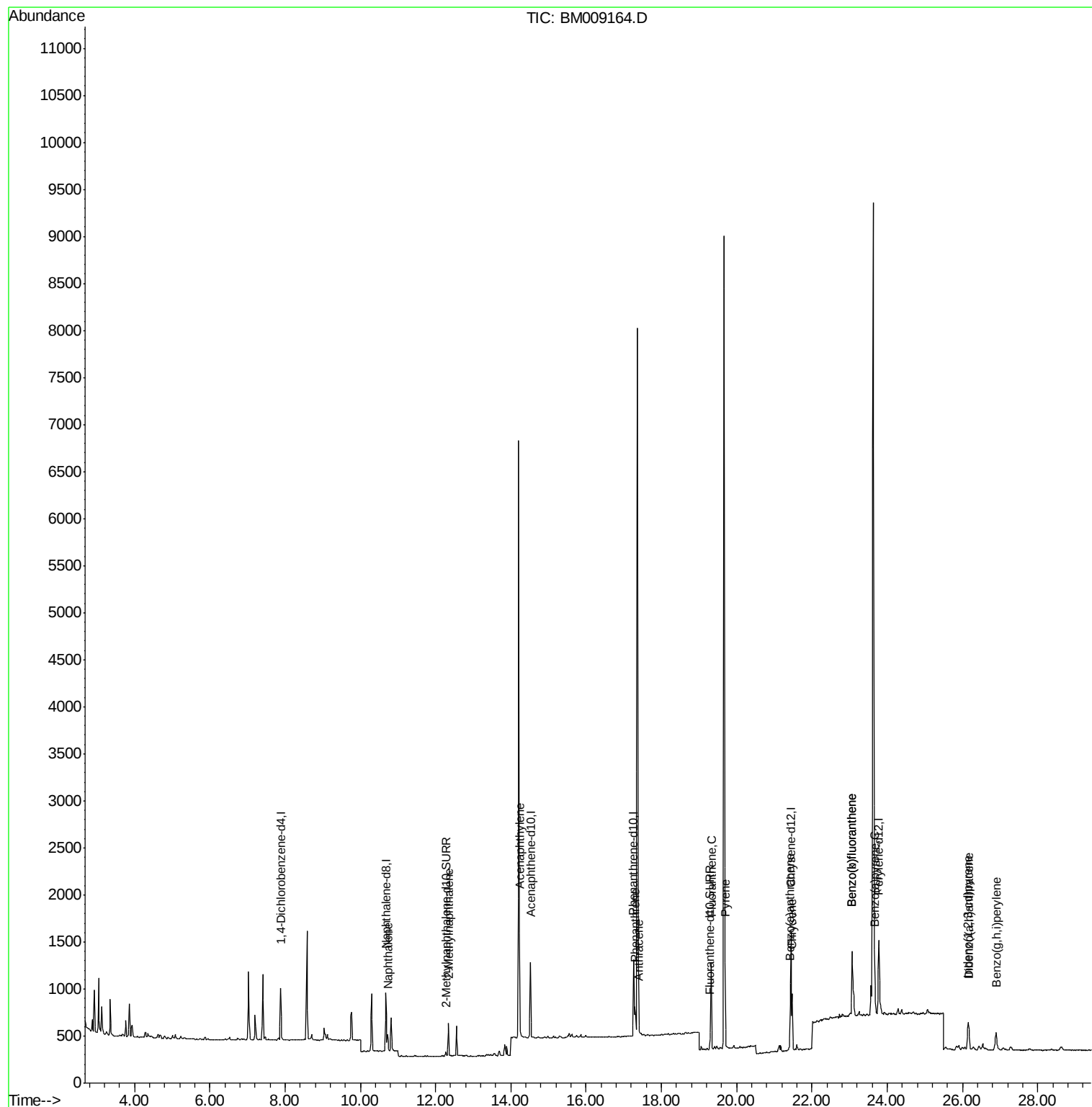
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	251	0.11	ng/ul#	55
5) 2-Methylnaphthalene	12.34	142	239	0.14	ng/ul	95
7) Acenaphthylene	14.23	152	49	0.02	ng/ul#	1
12) Phenanthrene	17.30	178	440	0.14	ng/ul#	71
13) Anthracene	17.40	178	65	0.02	ng/ul#	1
15) Fluoranthene	19.33	202	1033	0.25	ng/ul	92
17) Pyrene	19.69	202	913	0.24	ng/ul#	92
18) Benzo(a)anthracene	21.42	228	458	0.13	ng/ul#	78
19) Chrysene	21.47	228	672	0.19	ng/ul#	80
21) Benzo(b)fluoranthene	23.07	252	1328	0.30	ng/ul#	64
22) Benzo(k)fluoranthene	23.07	252	1328	0.34	ng/ul#	61
23) Benzo(a)pyrene	23.67	252	600	0.15	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.15	276	497	0.10	ng/ul#	91
25) Dibenzo(a,h)anthracene	26.16	278	121	0.03	ng/ul#	1
26) Benzo(g,h,i)perylene	26.89	276	453	0.11	ng/ul#	71

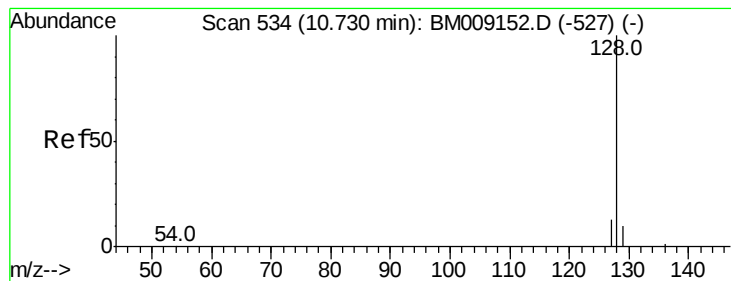
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.73 min Scan# 534

Delta R.T. 0.00 min

Lab File: BM009164.D

Acq: 10 Mar 2017 02:21

Instrument :

BNA_M

ClientSampleId :

C0AK8DL

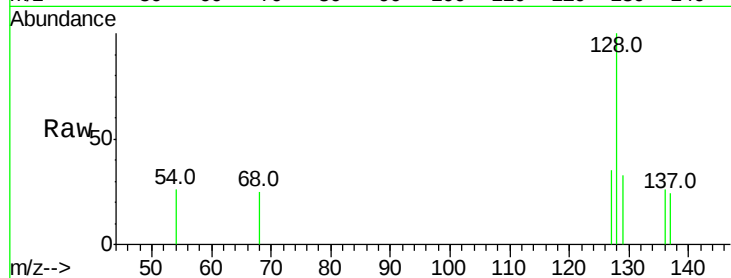
Tot Ion:128 Resp: 251

Ion Ratio Lower Upper

128 100

129 32.6 11.3 16.9#

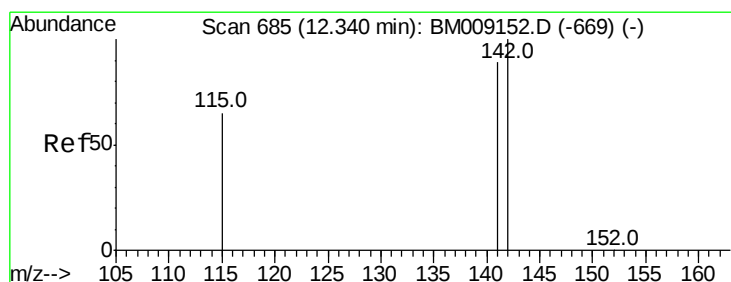
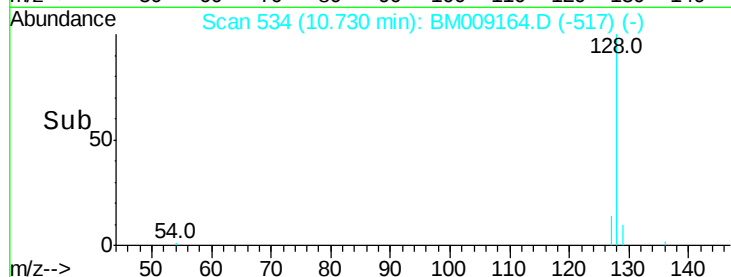
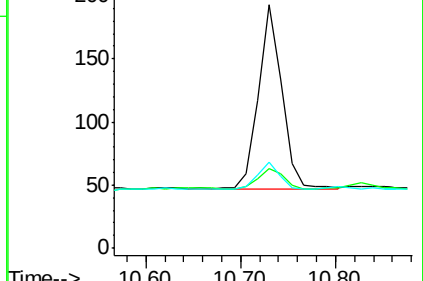
127 35.2 12.8 19.2#



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: 0.14 ng/ul

RT: 12.34 min Scan# 685

Delta R.T. 0.00 min

Lab File: BM009164.D

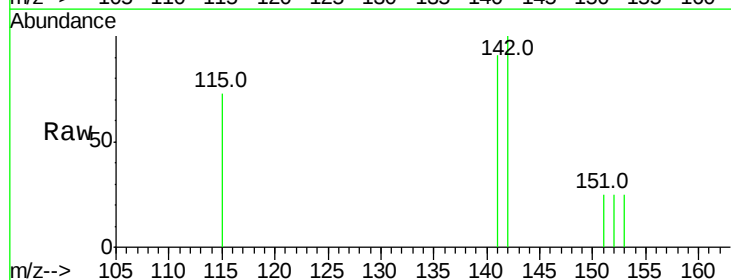
Acq: 10 Mar 2017 02:21

Tgt Ion:142 Resp: 239

Ion Ratio Lower Upper

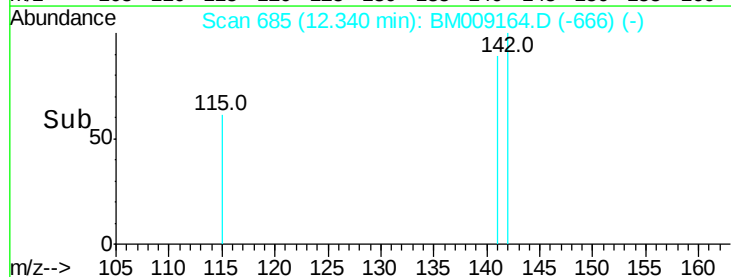
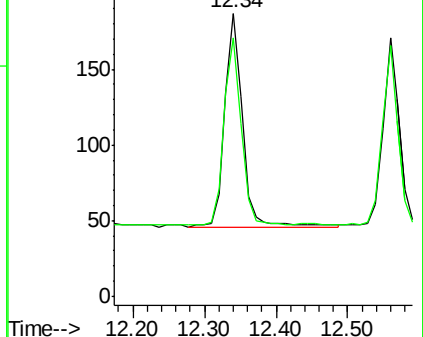
142 100

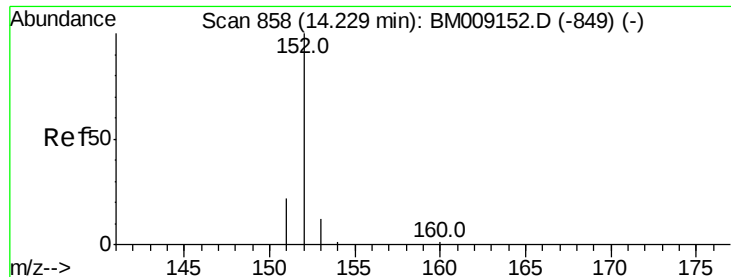
141 85.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.23 min Scan# 858

Delta R.T. 0.00 min

Lab File: BM009164.D

Acq: 10 Mar 2017 02:21

Instrument :

BNA_M

ClientSampleId :

C0AK8DL

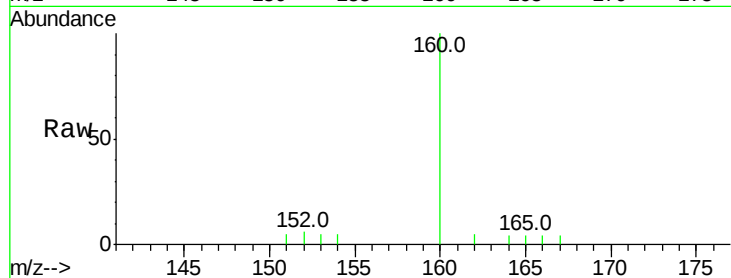
Tot Ion:152 Resp: 49

Ion Ratio Lower Upper

152 100

151 76.8 17.1 25.7#

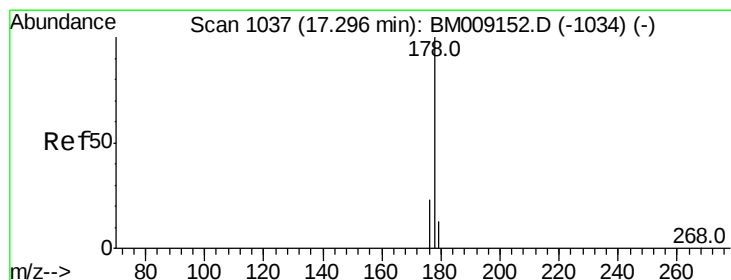
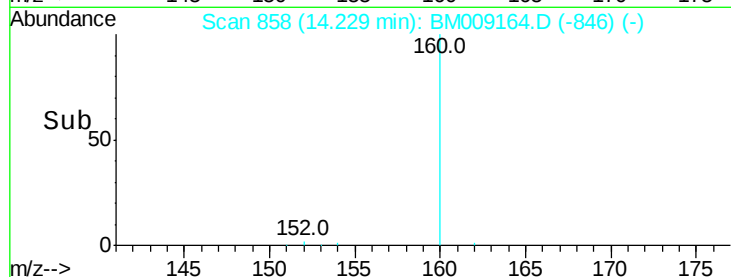
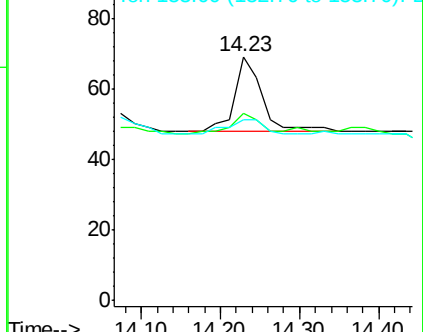
153 73.9 12.8 19.2#



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



#12

Phenanthrene

Concen: 0.14 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BM009164.D

Acq: 10 Mar 2017 02:21

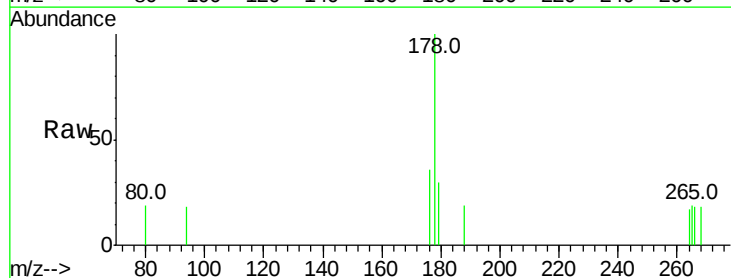
Tgt Ion:178 Resp: 440

Ion Ratio Lower Upper

178 100

176 36.5 18.4 27.6#

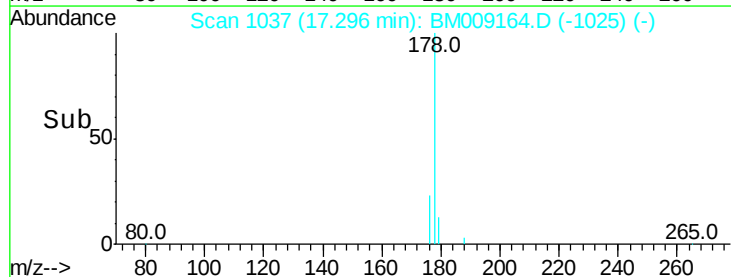
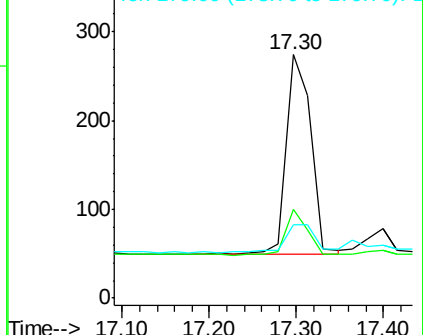
179 30.3 13.6 20.4#

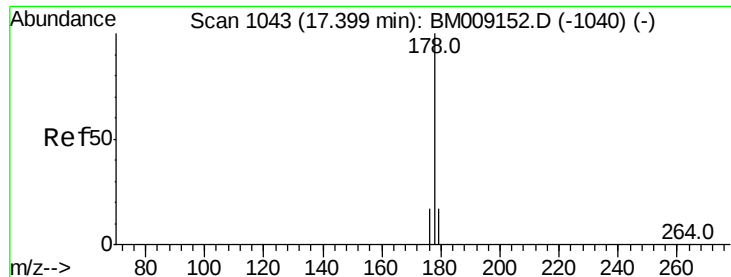


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#13

Anthracene

Concen: 0.02 ng/ul

RT: 17.40 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BM009164.D

Acq: 10 Mar 2017 02:21

Instrument :

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ClientSampleId :

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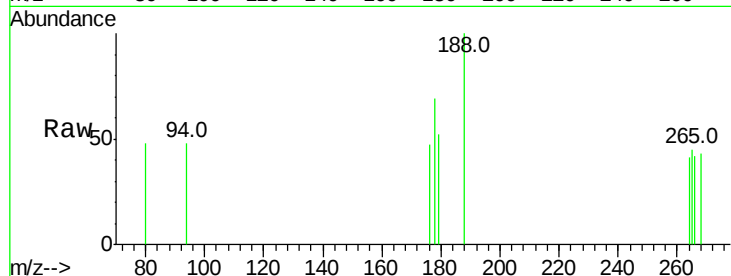
Tot Ion:178 Resp: 65

Ion Ratio Lower Upper

178 100

176 68.4 18.1 27.1#

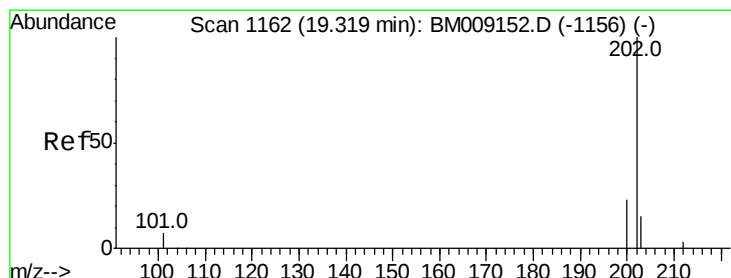
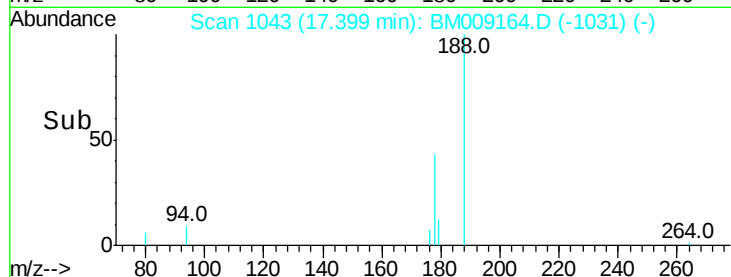
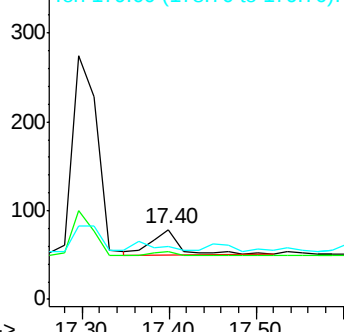
179 75.9 14.7 22.1#



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: 0.25 ng/ul

RT: 19.33 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BM009164.D

Acq: 10 Mar 2017 02:21

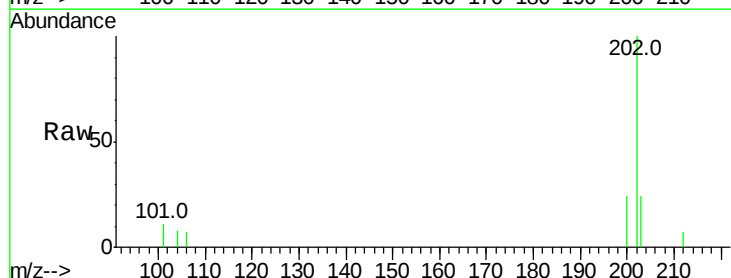
Tgt Ion:202 Resp: 1033

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

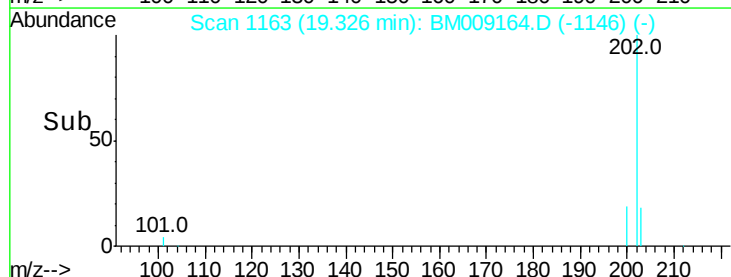
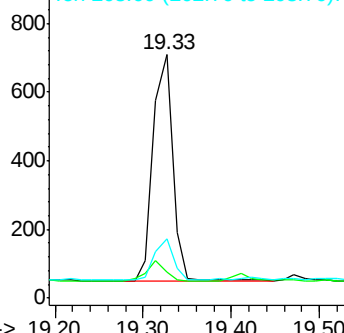
203 24.4 0.0 39.5

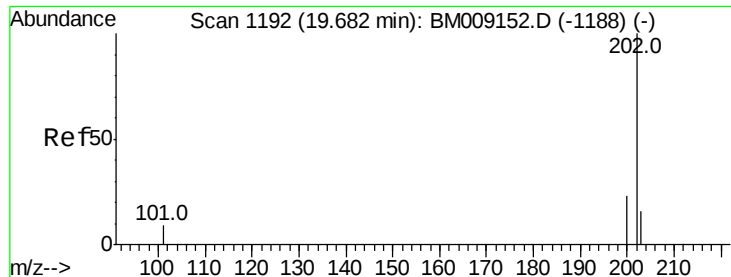


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pvrene

Concen: 0.24 ng/ul

RT: 19.69 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BM009164.D

Acq: 10 Mar 2017 02:21

Instrument :

BNA_M

ClientSampleId :

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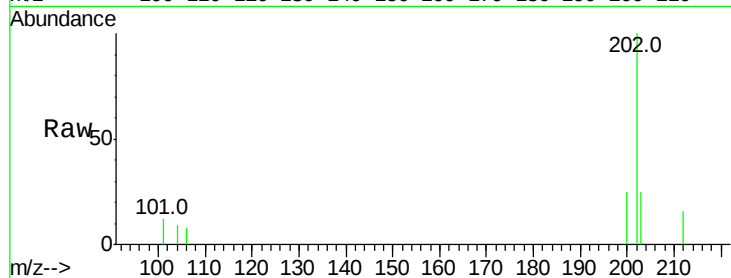
Tot Ion:202 Resp: 913

Ion Ratio Lower Upper

202 100

200 24.8 18.2 27.4

203 25.1 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

19.69

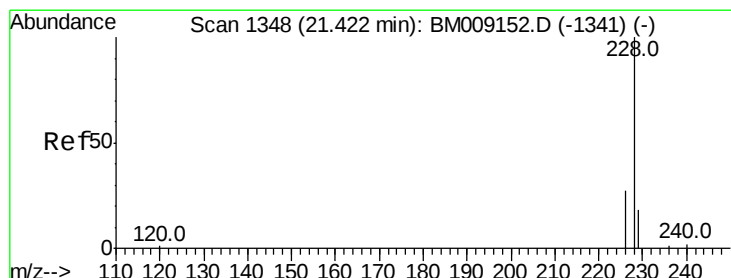
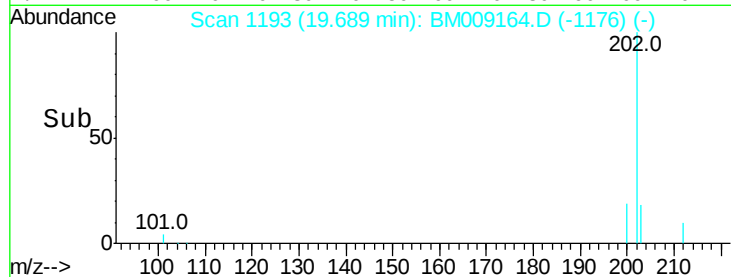
600

400

200

0

Time--> 19.60 19.65 19.70 19.75



#18

Benzo(a)anthracene

Concen: 0.13 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM009164.D

Acq: 10 Mar 2017 02:21

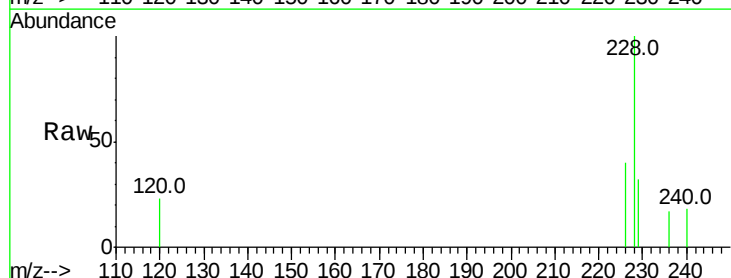
Tgt Ion:228 Resp: 458

Ion Ratio Lower Upper

228 100

226 40.2 22.8 34.2#

229 32.1 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

21.42

600

500

400

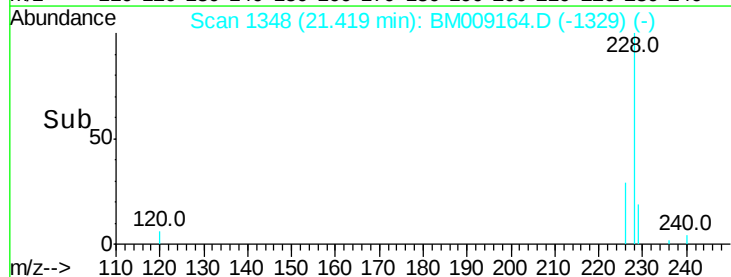
300

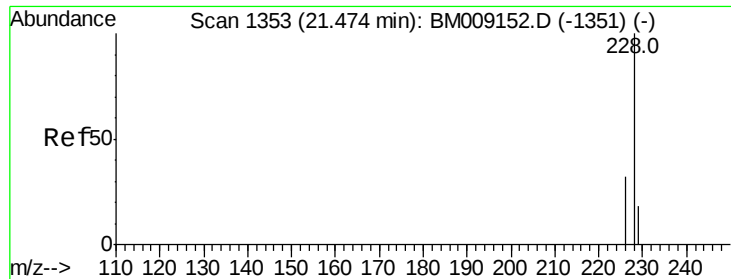
200

100

0

Time--> 21.30 21.35 21.40 21.45





#19

Chrysene

Concen: 0.19 ng/ul

RT: 21.47 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BM009164.D

Acq: 10 Mar 2017 02:21

Instrument :

BNA_M

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C0AK8DL

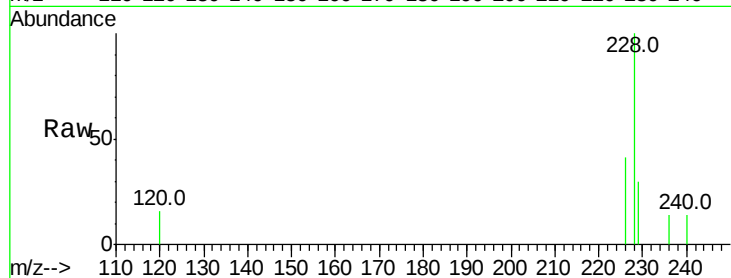
Tot Ion:228 Resp: 672

Ion Ratio Lower Upper

228 100

226 41.2 23.4 35.0#

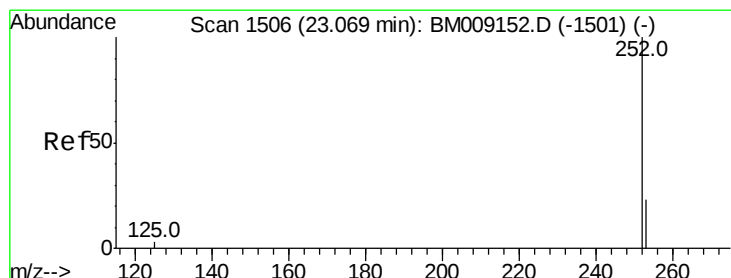
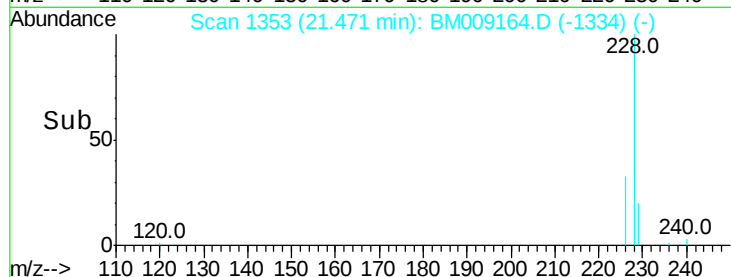
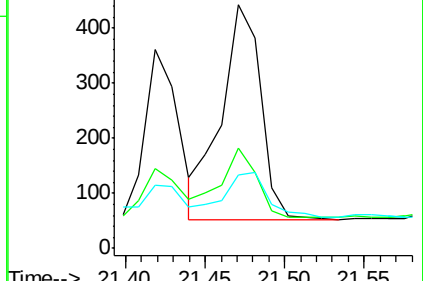
229 30.1 17.7 26.5#



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: 0.30 ng/ul

RT: 23.07 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BM009164.D

Acq: 10 Mar 2017 02:21

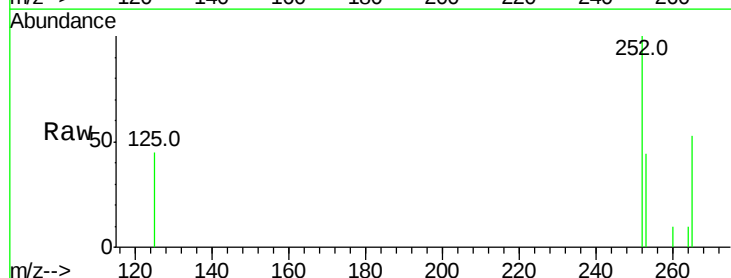
Tgt Ion:252 Resp: 1328

Ion Ratio Lower Upper

252 100

253 43.9 0.0 64.2

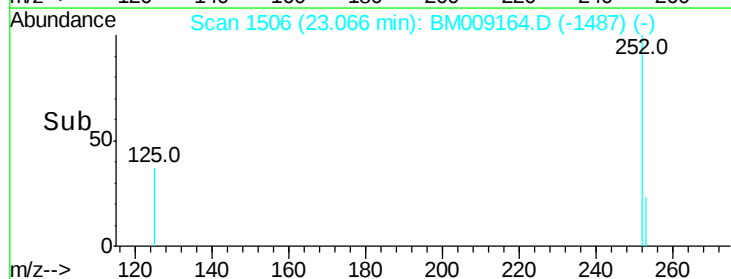
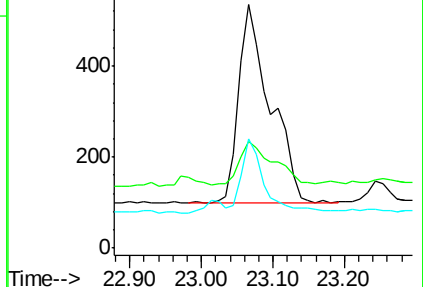
125 44.9 0.0 35.0#

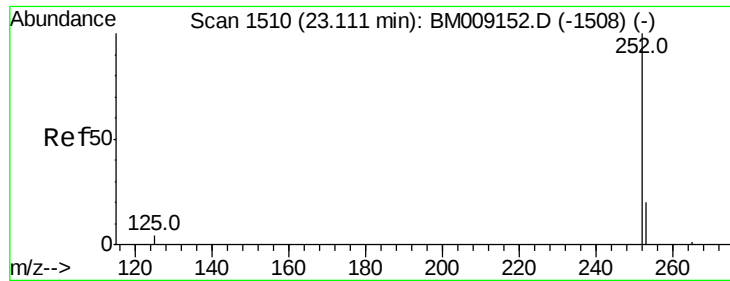


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

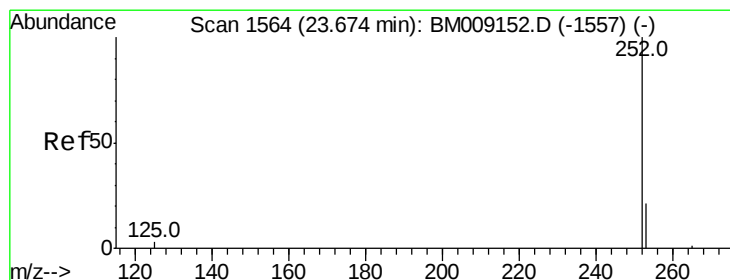
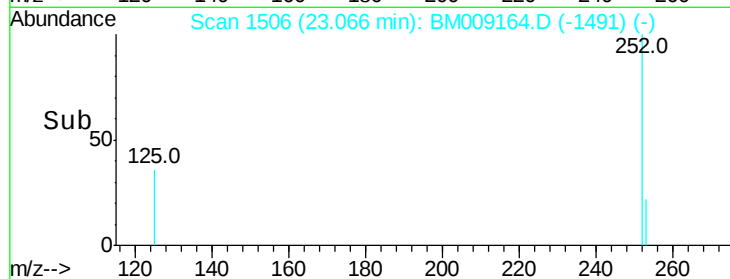
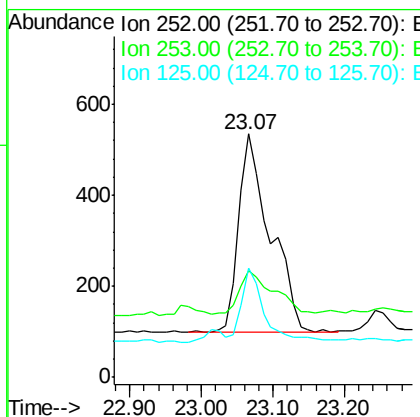
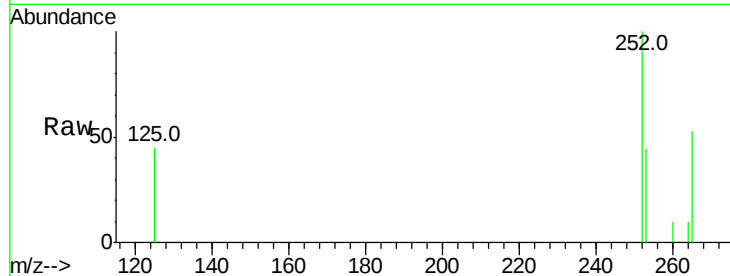




#22
Benzo(k)fluoranthene
Concen: 0.34 ng/ul
RT: 23.07 min Scan# 1506
Delta R.T. -0.04 min
Lab File: BM009164.D
Acq: 10 Mar 2017 02:21

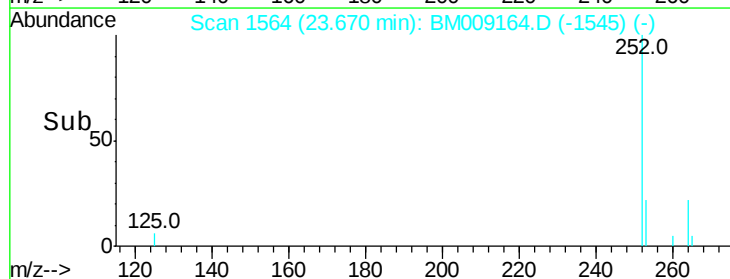
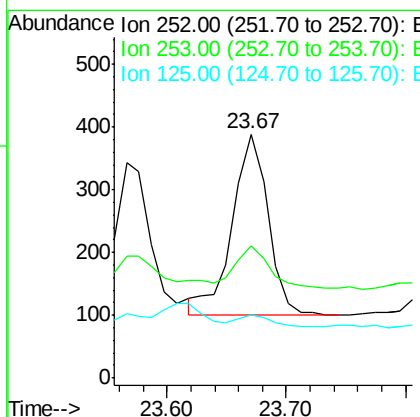
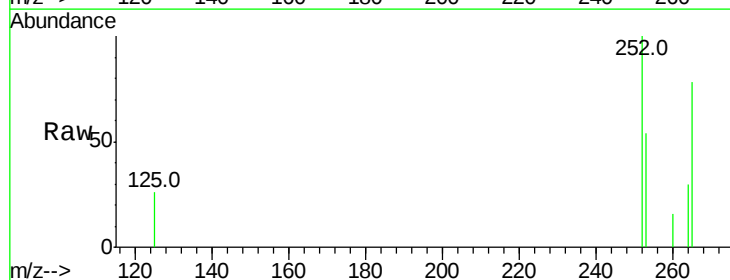
Instrument :
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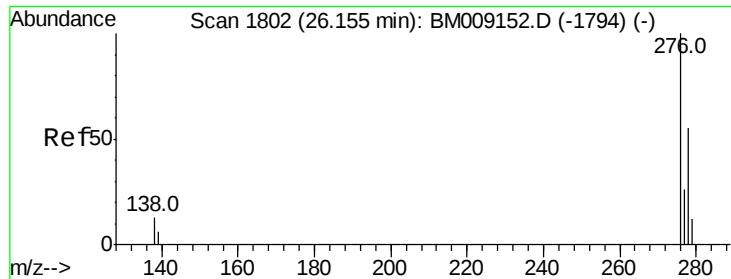
Tot Ion:252 Resp: 1328
Ion Ratio Lower Upper
252 100
253 43.9 24.5 36.7#
125 44.9 13.7 20.5#



#23
Benzo(a)pyrene
Concen: 0.15 ng/ul
RT: 23.67 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BM009164.D
Acq: 10 Mar 2017 02:21

Tgt Ion:252 Resp: 600
Ion Ratio Lower Upper
252 100
253 54.1 28.5 42.7#
125 26.0 18.1 27.1

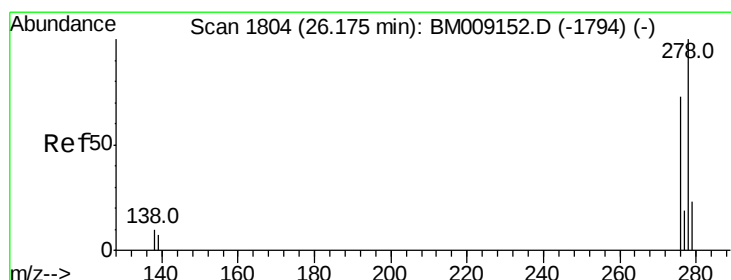
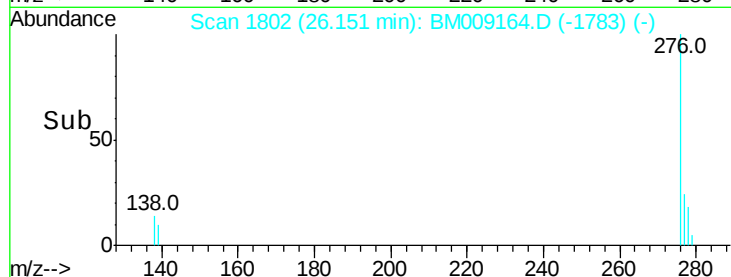
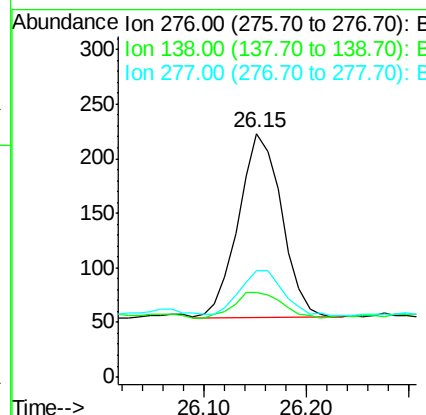
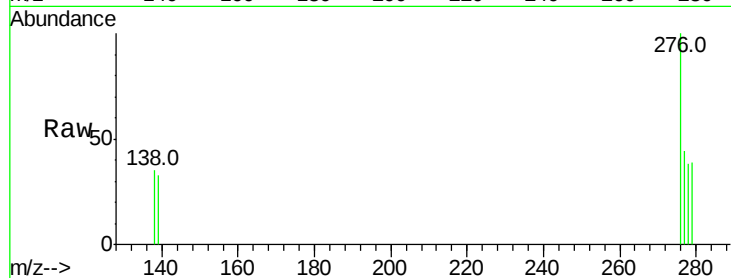




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.10 ng/ul
 RT: 26.15 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: BM009164.D
 Acq: 10 Mar 2017 02:21

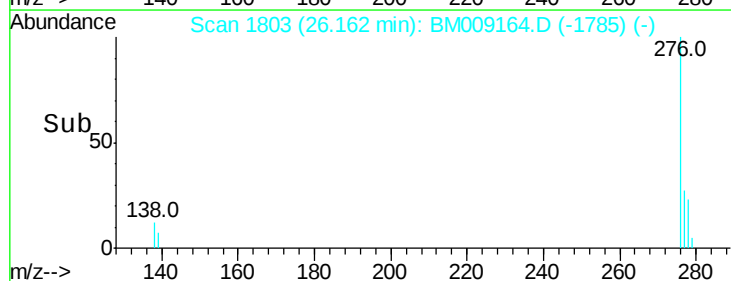
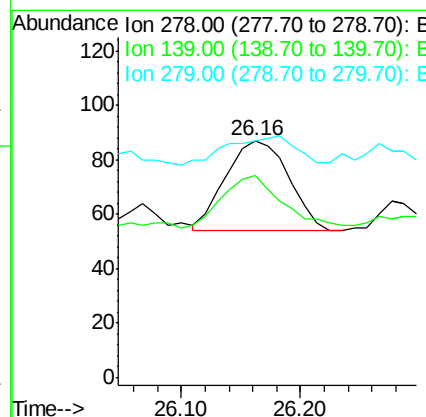
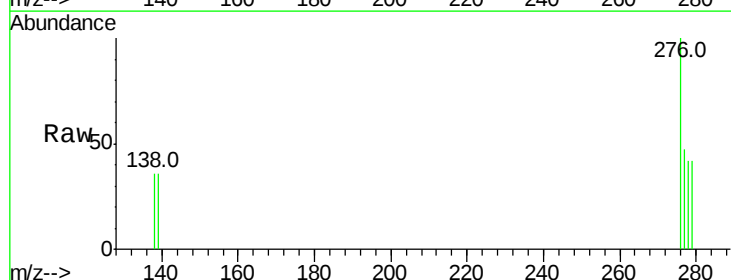
Instrument :
 BNA_M
 ClientSampleId :
 C0AK8DL

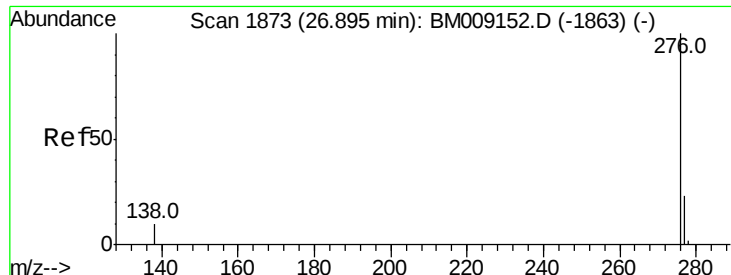
Tot Ion:276 Resp: 497
 Ion Ratio Lower Upper
 276 100
 138 15.3 19.1 28.7#
 277 24.9 19.6 29.4



#25
 Dibenzo(a,h)anthracene
 Concen: 0.03 ng/ul
 RT: 26.16 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BM009164.D
 Acq: 10 Mar 2017 02:21

Tgt Ion:278 Resp: 121
 Ion Ratio Lower Upper
 278 100
 139 85.1 17.4 26.0#
 279 100.0 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.11 ng/ul

RT: 26.89 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM009164.D

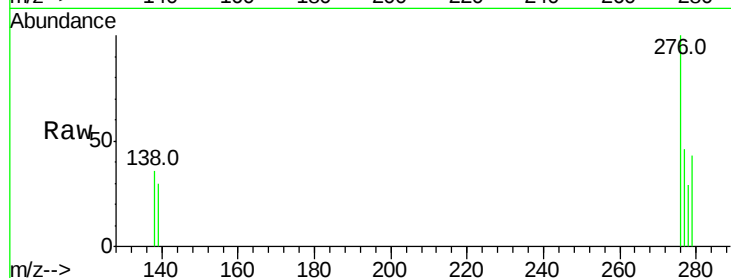
Acq: 10 Mar 2017 02:21

Instrument :

BNA_M

ClientSampleId :

C0AK8DL



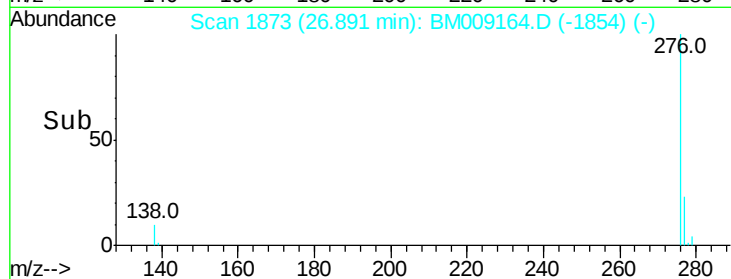
Tot Ion:276 Resp: 453

Ion Ratio Lower Upper

276 100

277 46.3 21.8 32.8#

138 36.3 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

