

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030317\
 Data File : BM009080.D
 Acq On : 03 Mar 2017 22:26
 Operator : SJ/MA
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.441

Quant Time: Mar 04 00:00:05 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 03 23:57:02 2017
 Response via : Initial Calibration

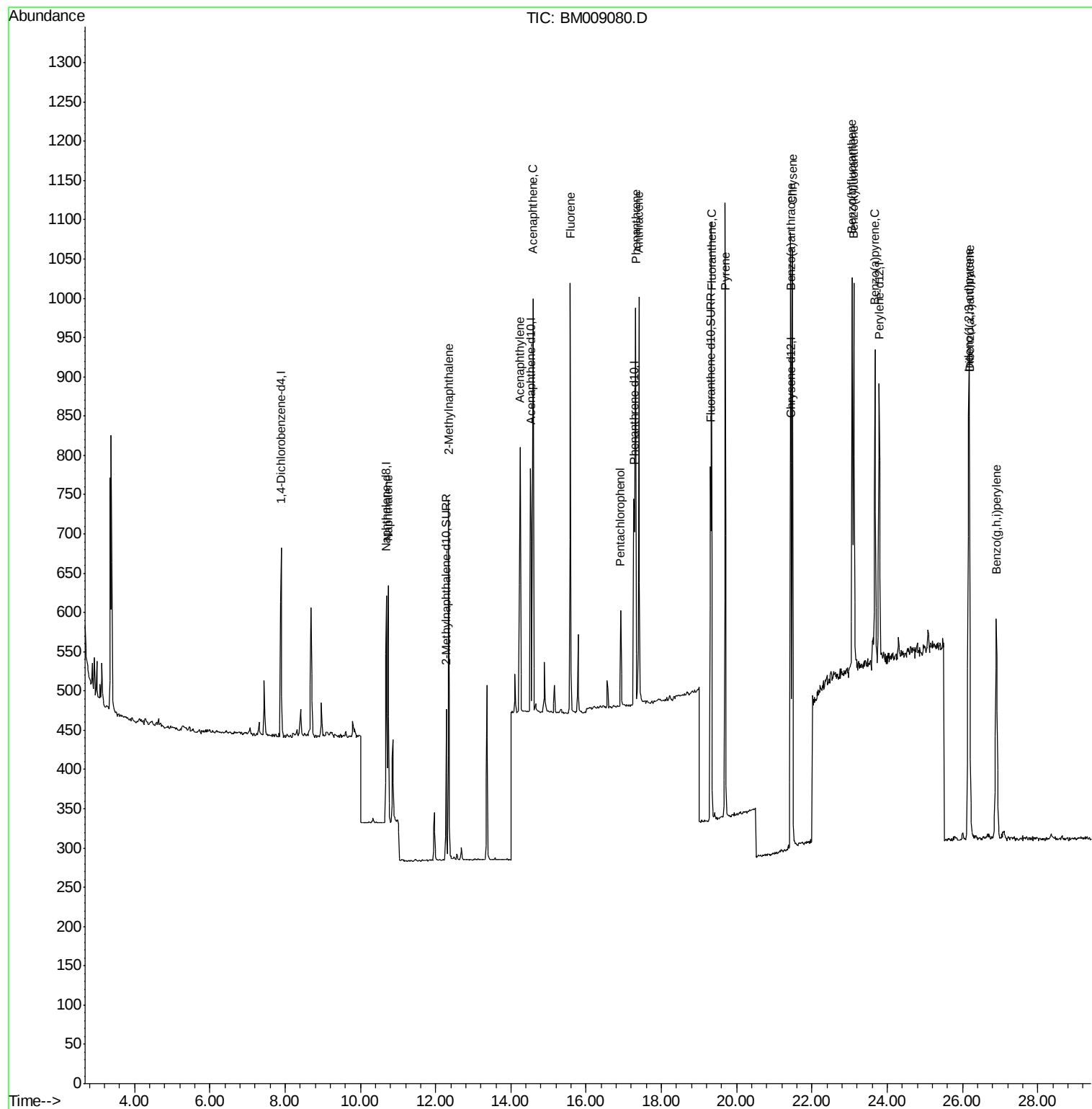
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	137	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	380	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	202	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.28	188	472	0.40	ng/ul	0.00
16) Chrysene-d12	21.45	240	502	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	498	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	249	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	567	0.38	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.74	128	427	0.39	ng/ul#	75
5) 2-Methylnaphthalene	12.35	142	314	0.40	ng/ul	94
7) Acenaphthylene	14.25	152	419	0.40	ng/ul#	75
8) Acenaphthene	14.59	153	332	0.41	ng/ul	95
9) Fluorene	15.58	166	383	0.41	ng/ul#	94
11) Pentachlorophenol	16.92	266	86	0.38	ng/ul	93
12) Phenanthrene	17.31	178	606	0.41	ng/ul#	87
13) Anthracene	17.40	178	585	0.40	ng/ul#	87
15) Fluoranthene	19.33	202	716	0.37	ng/ul	93
17) Pyrene	19.69	202	733	0.42	ng/ul#	90
18) Benzo(a)anthracene	21.43	228	678	0.41	ng/ul#	90
19) Chrysene	21.48	228	655	0.41	ng/ul#	90
21) Benzo(b)fluoranthene	23.07	252	706	0.36	ng/ul	90
22) Benzo(k)fluoranthene	23.12	252	700	0.40	ng/ul#	84
23) Benzo(a)pyrene	23.67	252	697	0.40	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.16	276	836	0.37	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.18	278	702	0.37	ng/ul#	88
26) Benzo(g,h,i)perylene	26.90	276	709	0.37	ng/ul#	87

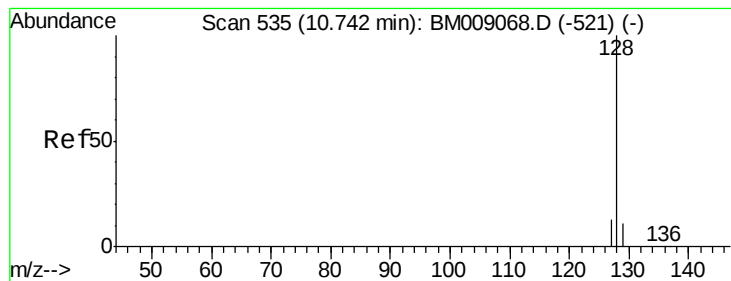
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.74 min Scan# 535

Delta R.T. -0.00 min

Lab File: BM009080.D

Acq: 03 Mar 2017 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

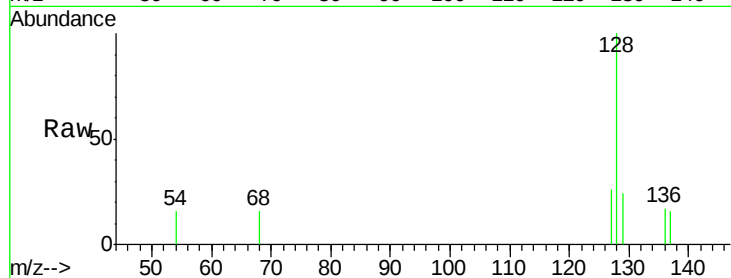
Tgt Ion:128 Resp: 427

Ion Ratio Lower Upper

128 100

129 24.4 11.3 16.9#

127 26.5 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

10.74

300

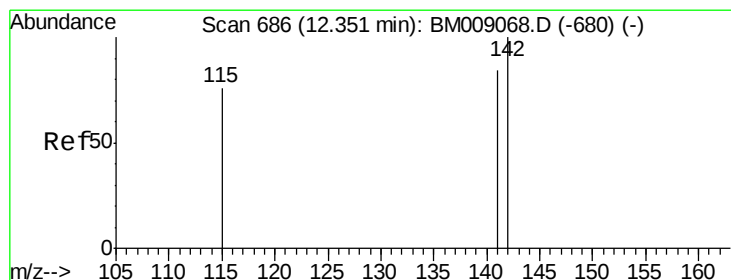
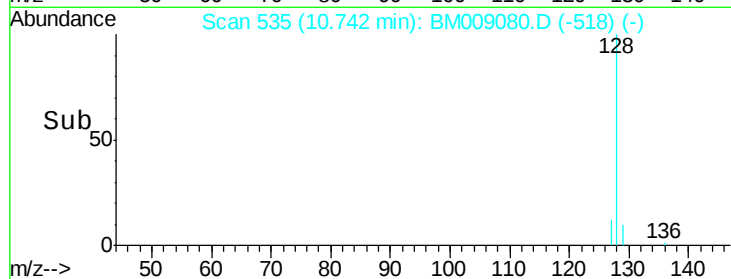
200

100

0

Time-->

10.60 10.80



#5

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 12.35 min Scan# 686

Delta R.T. -0.00 min

Lab File: BM009080.D

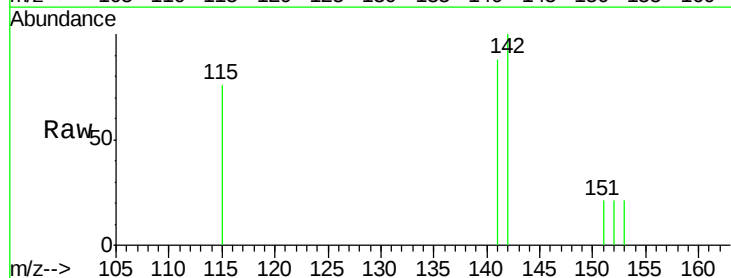
Acq: 03 Mar 2017 22:26

Tgt Ion:142 Resp: 314

Ion Ratio Lower Upper

142 100

141 85.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

250

200

150

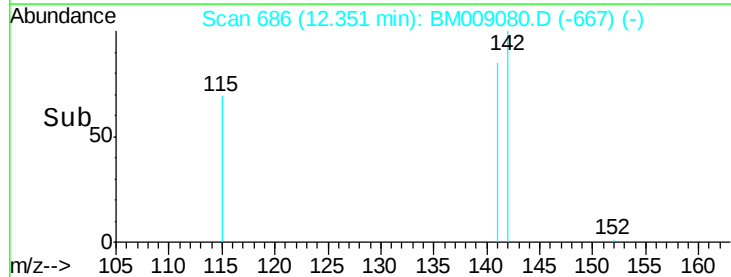
100

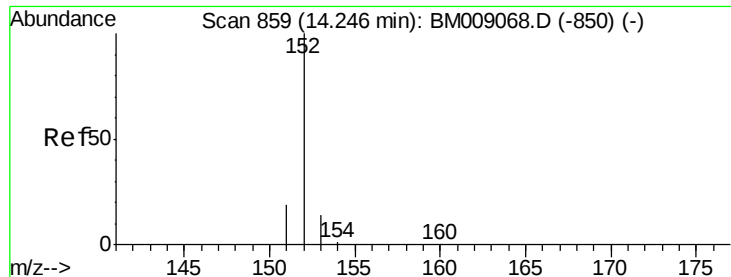
50

0

Time-->

12.20 12.30 12.40 12.50





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.25 min Scan# 859

Delta R.T. -0.00 min

Lab File: BM009080.D

Acq: 03 Mar 2017 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

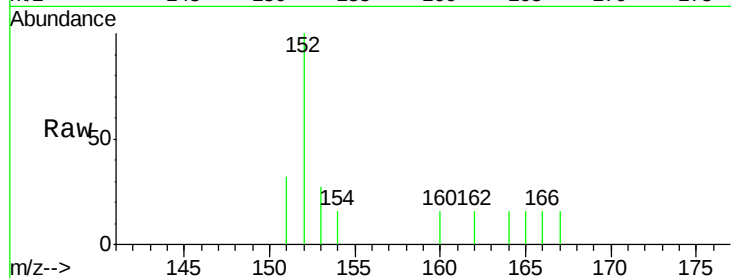
Tgt Ion:152 Resp: 419

Ion Ratio Lower Upper

152 100

151 32.3 17.1 25.7#

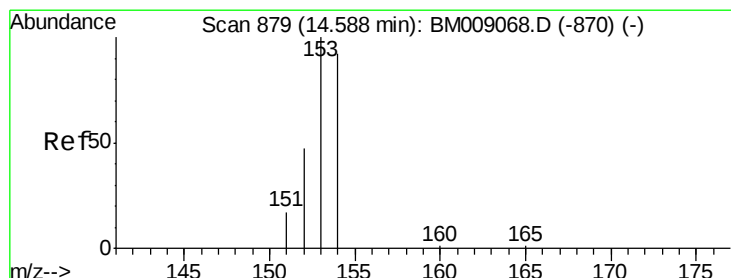
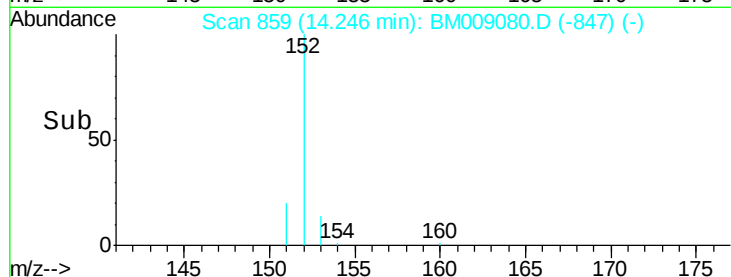
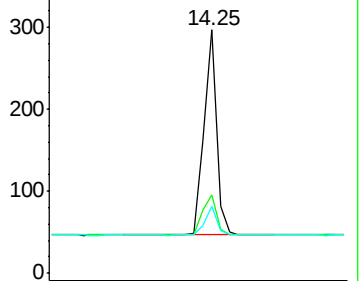
153 27.3 12.8 19.2#



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: 0.41 ng/ul

RT: 14.59 min Scan# 879

Delta R.T. -0.00 min

Lab File: BM009080.D

Acq: 03 Mar 2017 22:26

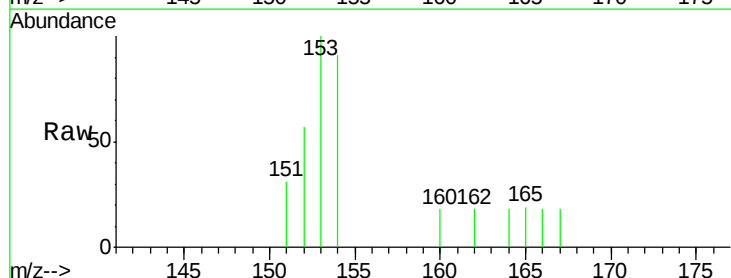
Tgt Ion:153 Resp: 332

Ion Ratio Lower Upper

153 100

152 57.3 40.3 60.5

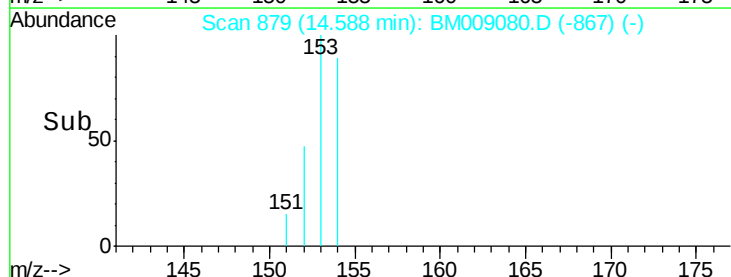
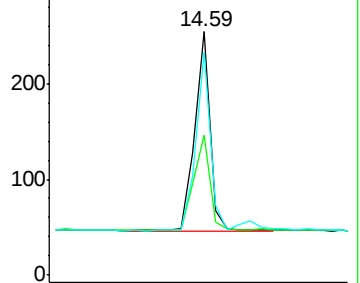
154 91.4 71.4 107.2

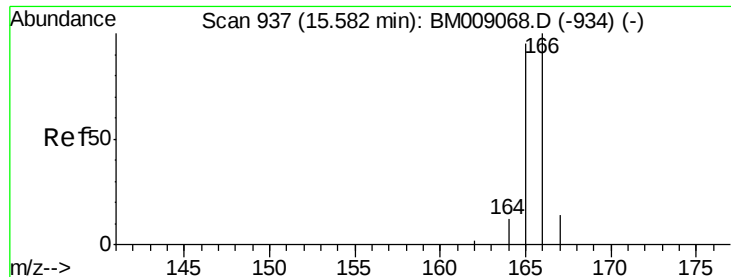


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.41 ng/ul

RT: 15.58 min Scan# 937

Delta R.T. -0.00 min

Lab File: BM009080.D

Acq: 03 Mar 2017 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

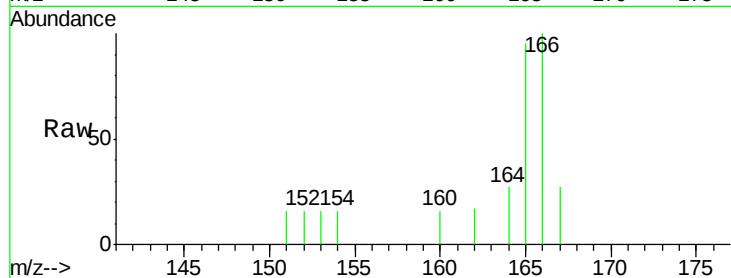
Tgt Ion:166 Resp: 383

Ion Ratio Lower Upper

166 100

165 95.2 73.4 110.2

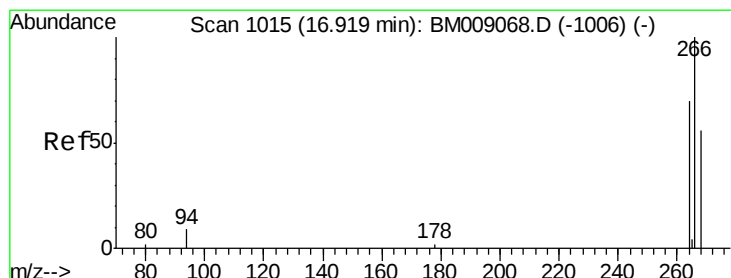
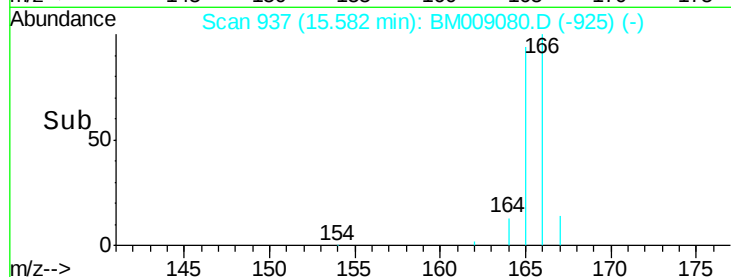
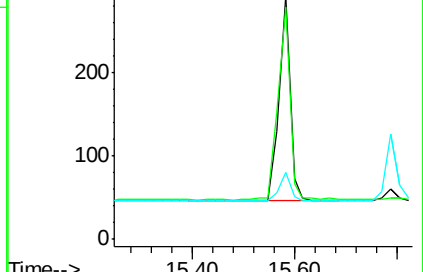
167 27.3 14.6 22.0#



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



#11

Pentachlorophenol

Concen: 0.38 ng/ul

RT: 16.92 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BM009080.D

Acq: 03 Mar 2017 22:26

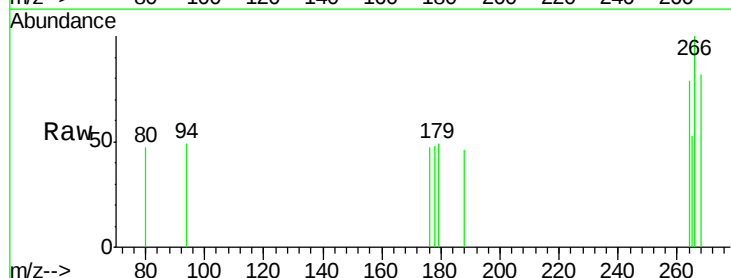
Tgt Ion:266 Resp: 86

Ion Ratio Lower Upper

266 100

264 60.5 47.9 71.9

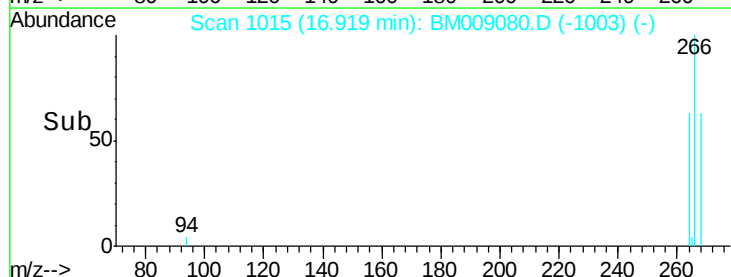
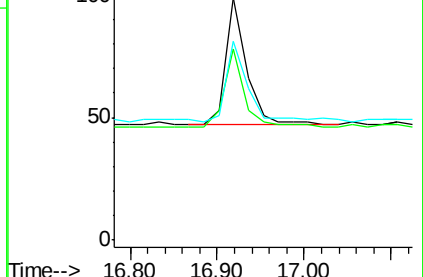
268 72.1 49.8 74.8

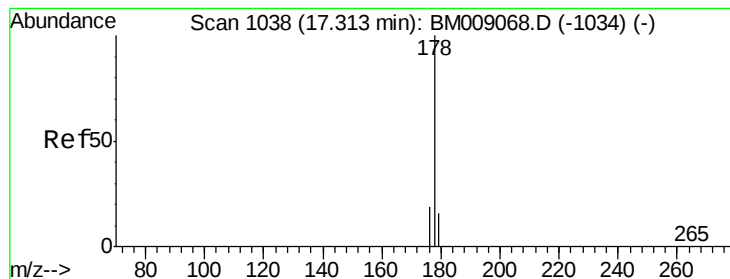


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BM009080.D

Acq: 03 Mar 2017 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

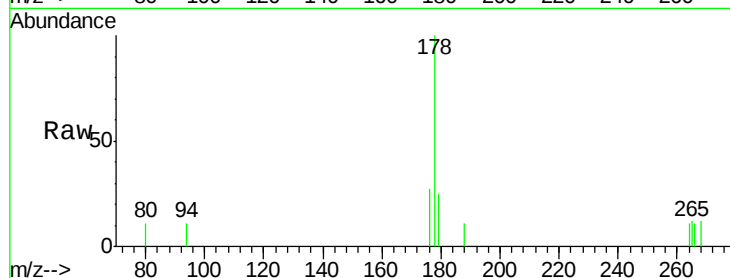
Tgt Ion:178 Resp: 606

Ion Ratio Lower Upper

178 100

176 27.4 18.4 27.6

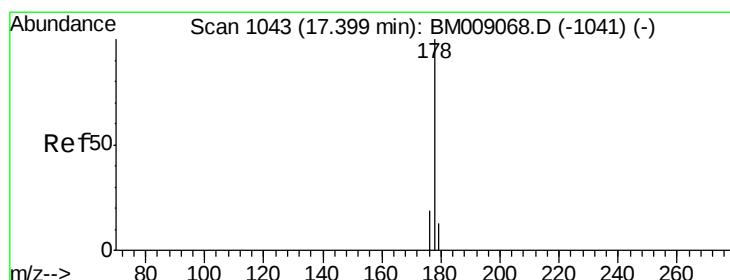
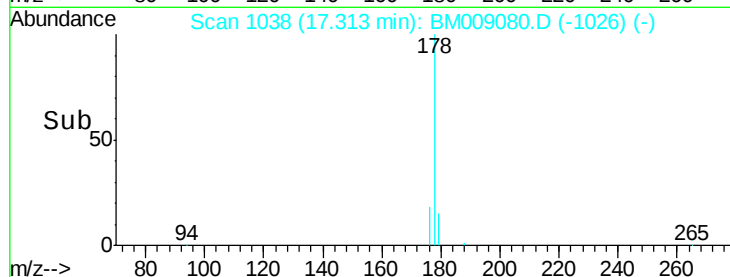
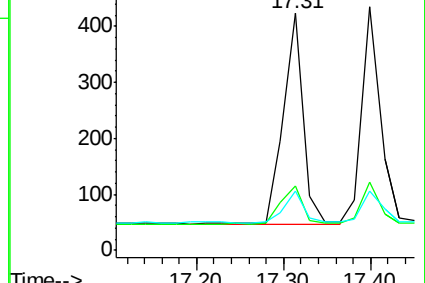
179 25.3 13.6 20.4#



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: 0.40 ng/ul

RT: 17.40 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BM009080.D

Acq: 03 Mar 2017 22:26

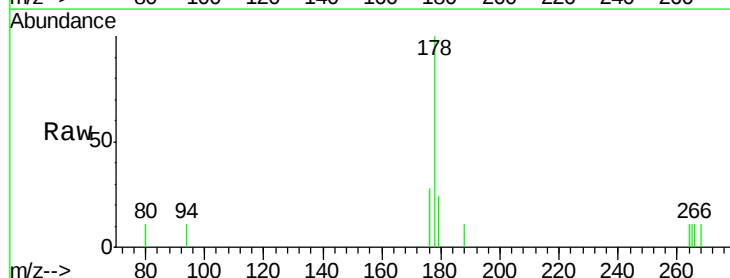
Tgt Ion:178 Resp: 585

Ion Ratio Lower Upper

178 100

176 28.3 18.1 27.1#

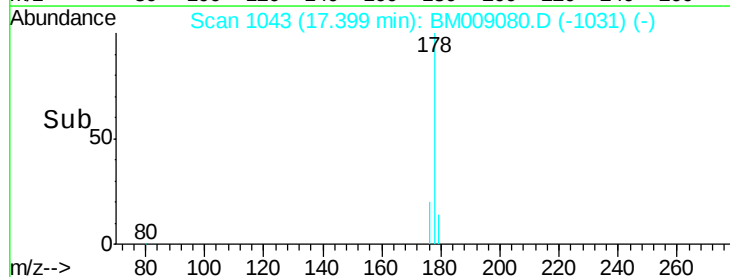
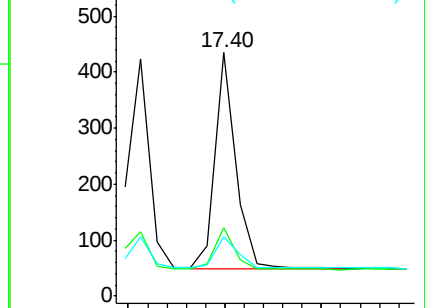
179 24.4 14.7 22.1#

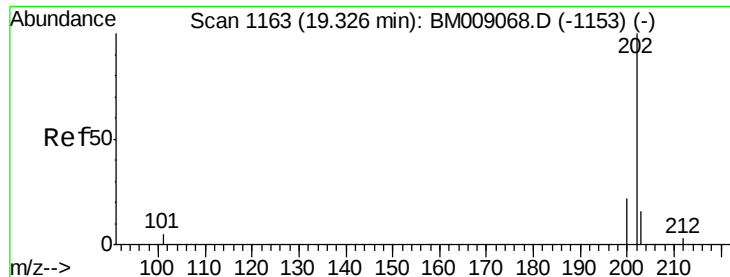


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

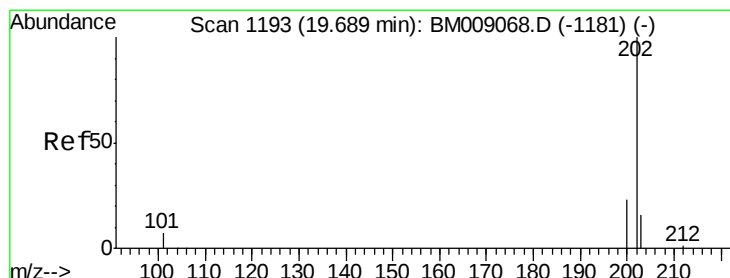
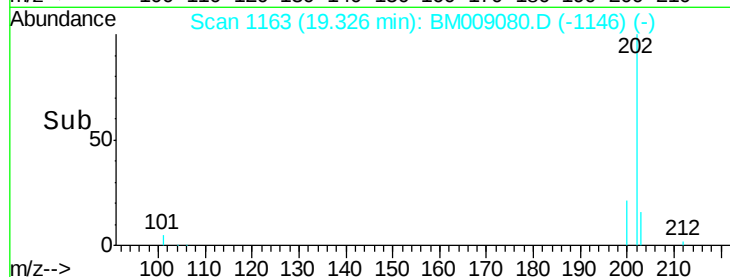
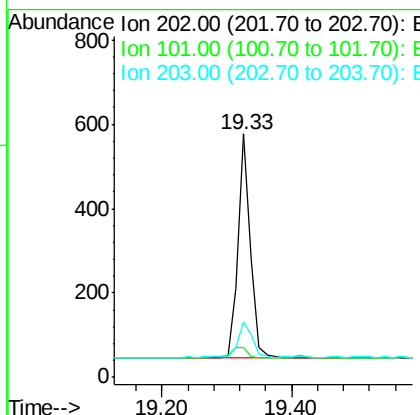
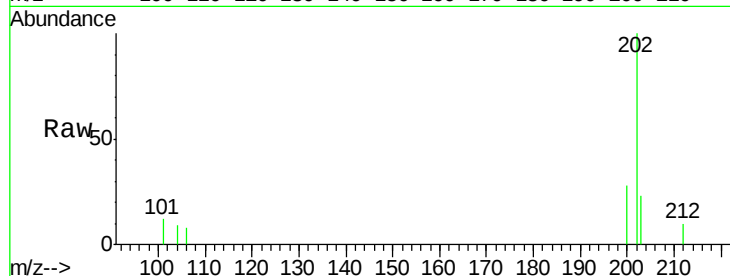




#15
Fluoranthene
Concen: 0.37 ng/ul
RT: 19.33 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BM009080.D
Acq: 03 Mar 2017 22:26

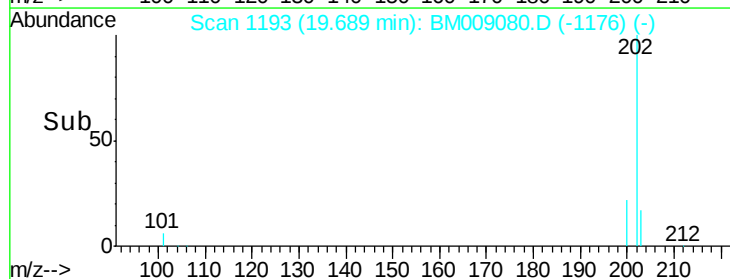
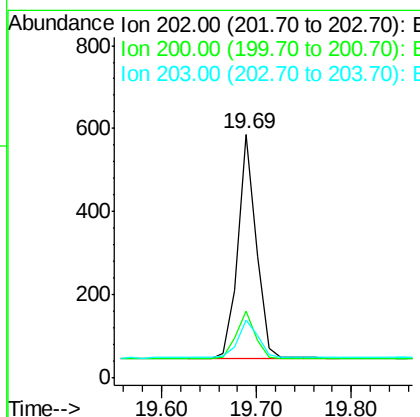
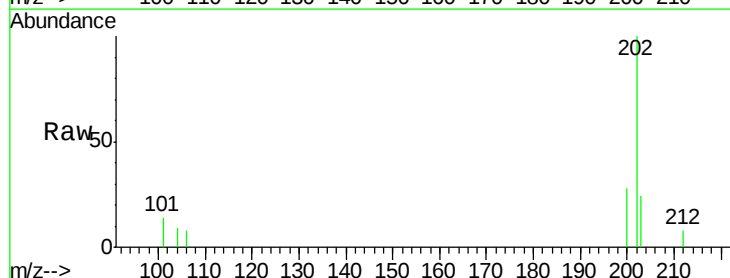
Instrument :
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SSTD0.441

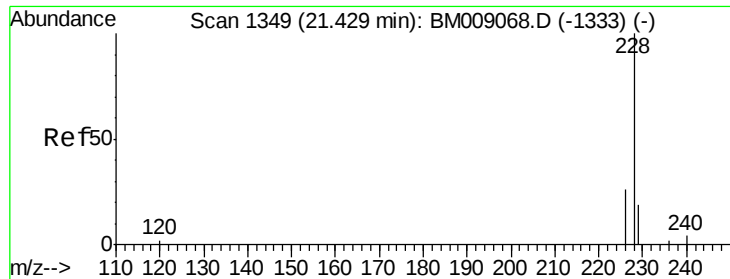
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	30.3
203	23.1	0.0	39.5



#17
Pyrene
Concen: 0.42 ng/ul
RT: 19.69 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BM009080.D
Acq: 03 Mar 2017 22:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	27.6	18.2	27.4#
203	23.5	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.41 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BM009080.D

Acq: 03 Mar 2017 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

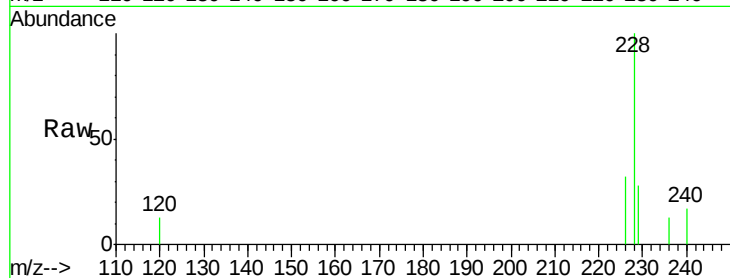
Tgt Ion:228 Resp: 678

Ion Ratio Lower Upper

228 100

226 32.3 22.8 34.2

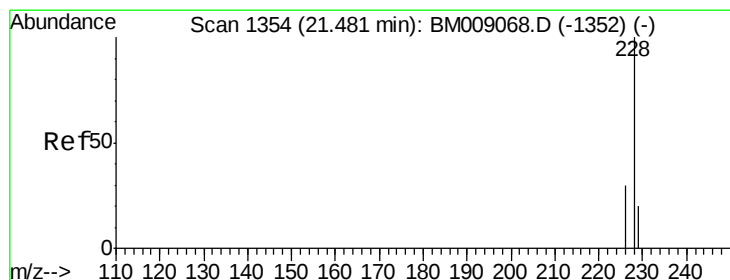
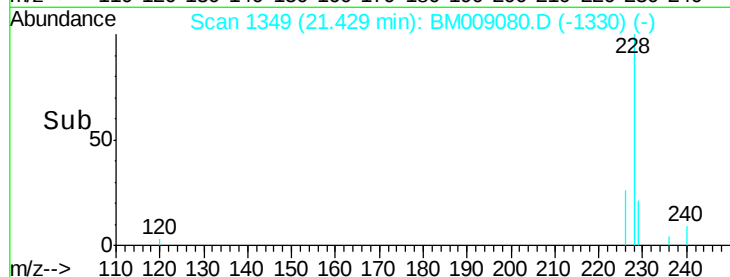
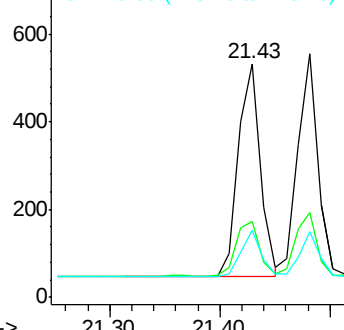
229 28.3 17.0 25.6#



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: 0.41 ng/ul

RT: 21.48 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BM009080.D

Acq: 03 Mar 2017 22:26

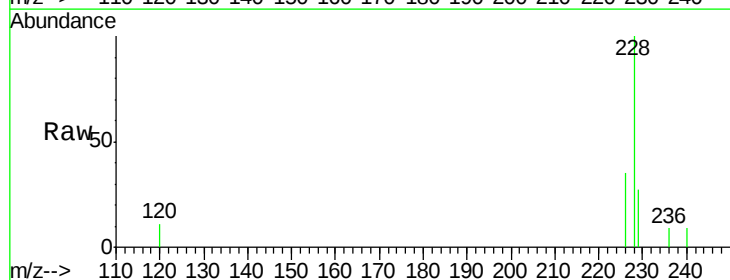
Tgt Ion:228 Resp: 655

Ion Ratio Lower Upper

228 100

226 34.8 23.4 35.0

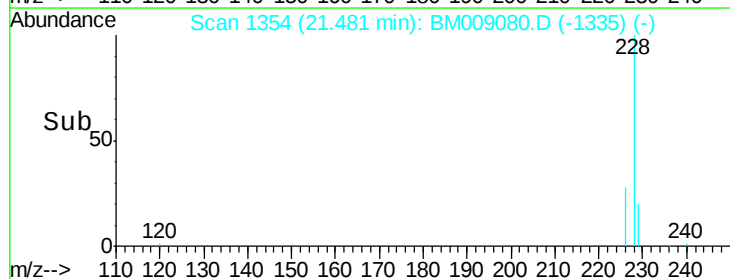
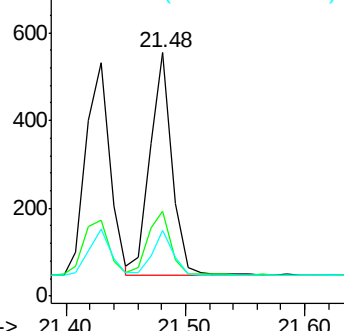
229 26.8 17.7 26.5#

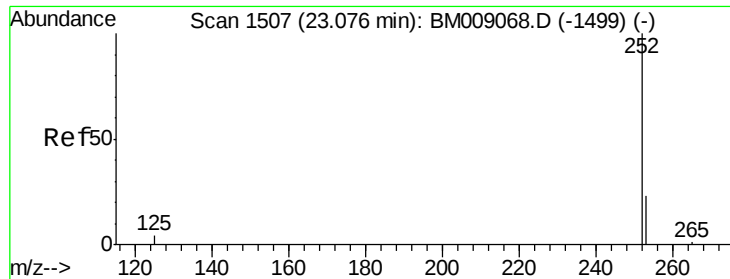


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.36 ng/u1

RT: 23.07 min Scan# 1506

Delta R.T. -0.01 min

Lab File: BM009080.D

Acq: 03 Mar 2017 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

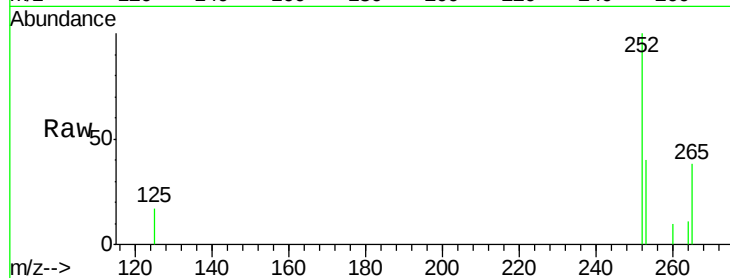
Tgt Ion:252 Resp: 706

Ion Ratio Lower Upper

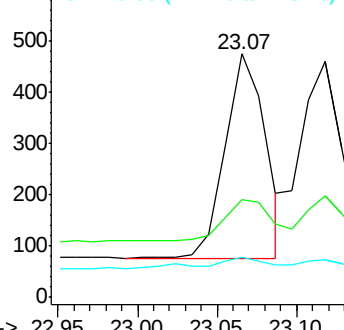
252 100

253 40.1 0.0 64.2

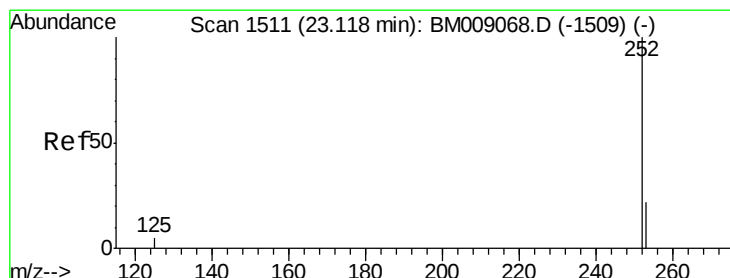
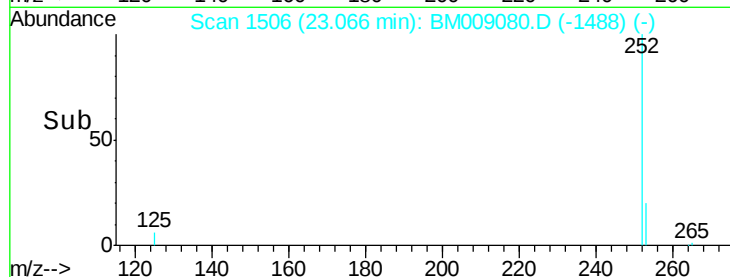
125 16.6 0.0 35.0



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



Time--> 22.95 23.00 23.05 23.10



#22

Benzo(k)fluoranthene

Concen: 0.40 ng/u1

RT: 23.12 min Scan# 1511

Delta R.T. -0.00 min

Lab File: BM009080.D

Acq: 03 Mar 2017 22:26

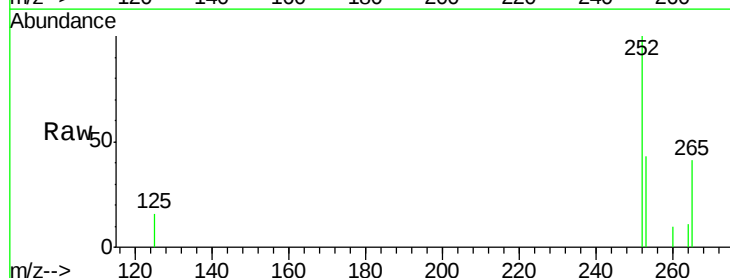
Tgt Ion:252 Resp: 700

Ion Ratio Lower Upper

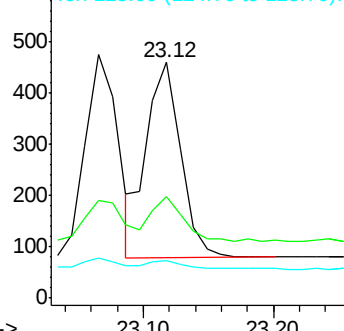
252 100

253 43.3 24.5 36.7#

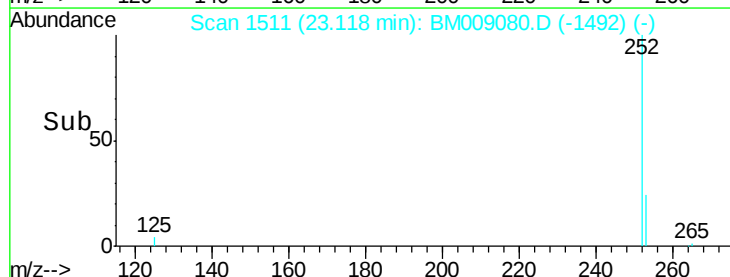
125 16.1 13.7 20.5

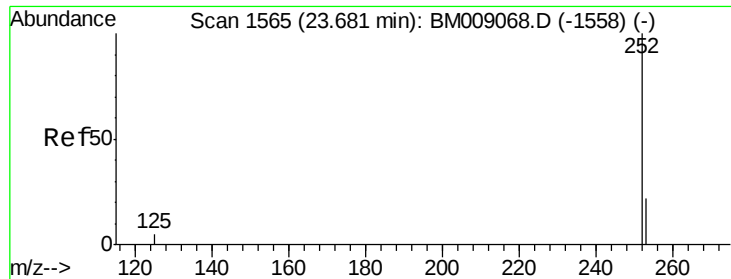


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 23.10 23.20





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.67 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BM009080.D

Acq: 03 Mar 2017 22:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

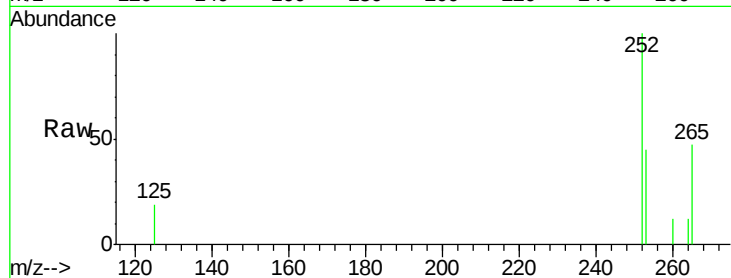
Tgt Ion:252 Resp: 697

Ion Ratio Lower Upper

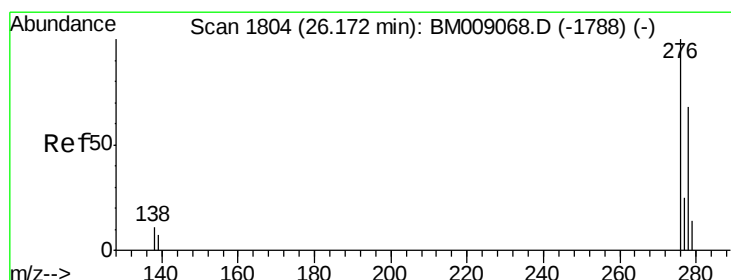
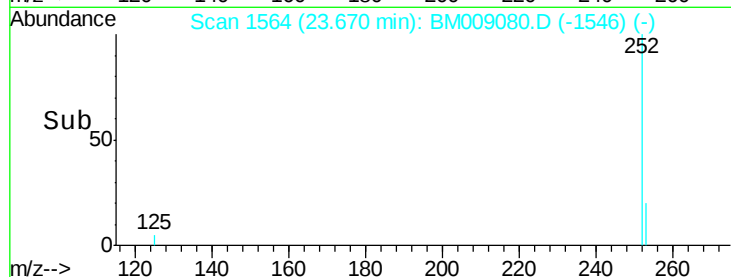
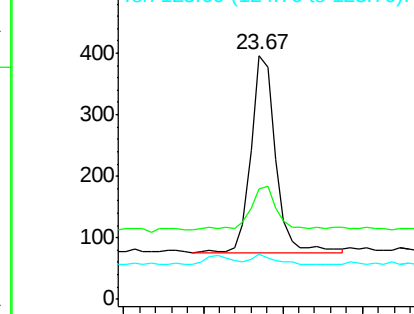
252 100

253 45.2 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: 0.37 ng/ul

RT: 26.16 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BM009080.D

Acq: 03 Mar 2017 22:26

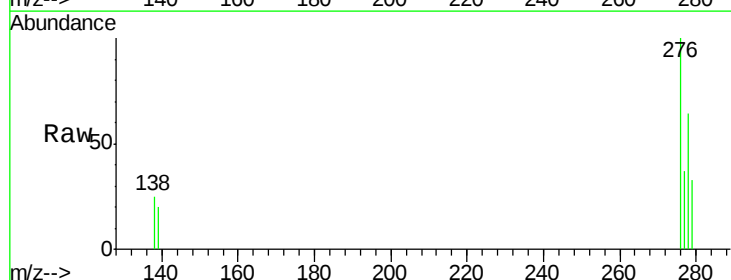
Tgt Ion:276 Resp: 836

Ion Ratio Lower Upper

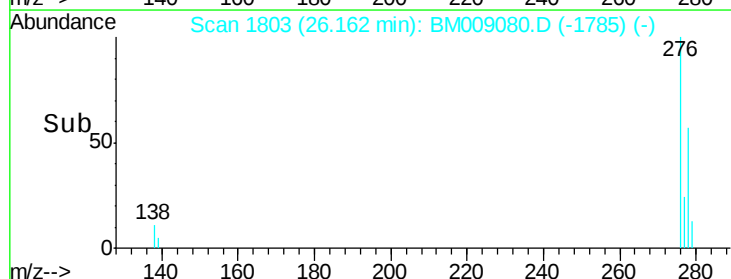
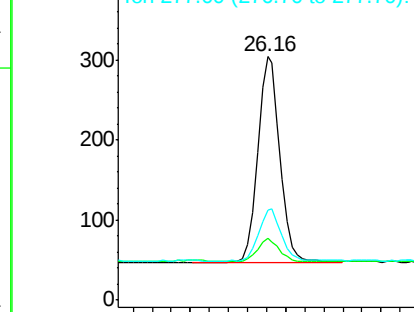
276 100

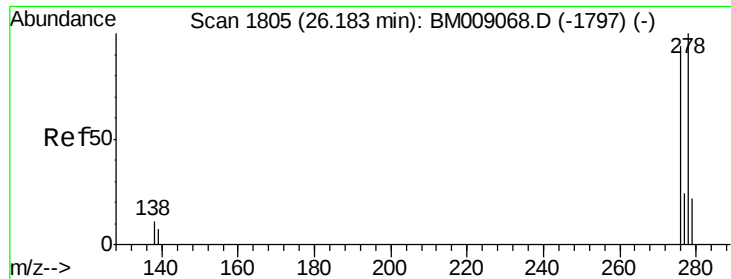
138 11.2 19.1 28.7#

277 26.0 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



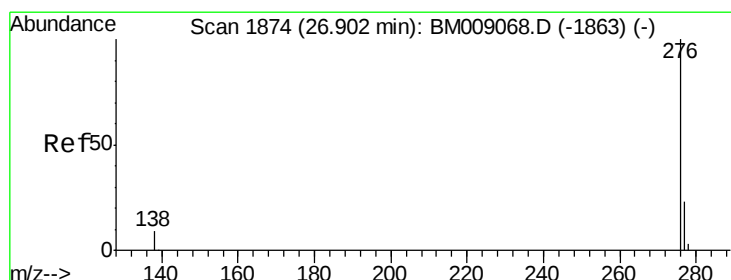
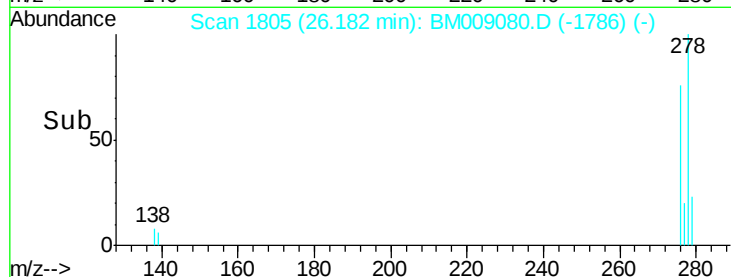
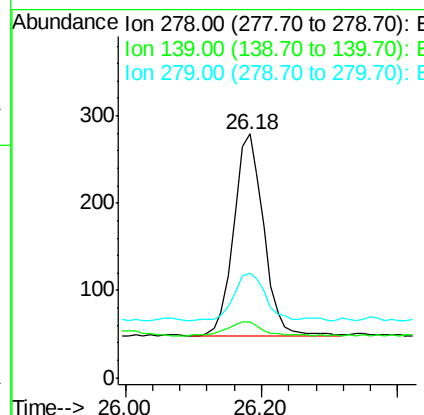
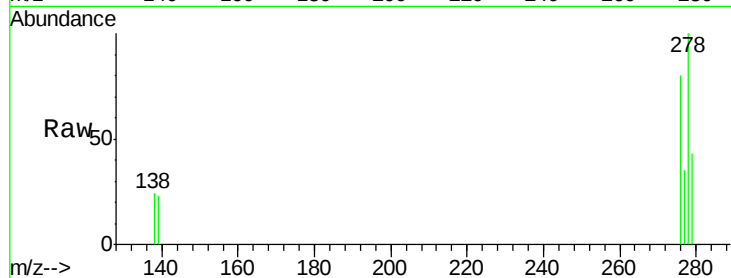


#25
Dibenzo(a,h)anthracene
Concen: 0.37 ng/ul
RT: 26.18 min Scan# 1805
Delta R.T. -0.00 min
Lab File: BM009080.D
Acq: 03 Mar 2017 22:26

Instrument :
BNA_M
ClientSampleId :
SSTD0.441

Tgt Ion: 278 Resp: 702

Ion	Ratio	Lower	Upper
278	100		
139	22.9	17.4	26.0
279	42.7	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.37 ng/ul
RT: 26.90 min Scan# 1874
Delta R.T. -0.00 min
Lab File: BM009080.D
Acq: 03 Mar 2017 22:26

Tgt Ion: 276 Resp: 709

Ion	Ratio	Lower	Upper
276	100		
277	38.2	21.8	32.8#
138	27.6	20.5	30.7

