

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030617\
 Data File : BM009091.D
 Acq On : 06 Mar 2017 21:52
 Operator : SJ/MA
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.443

Quant Time: Mar 07 03:40:33 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 03:37:41 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	149	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	419	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	219	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	496	0.40	ng/ul	-0.02
16) Chrysene-d12	21.45	240	521	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	512	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	251	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	592	0.38	ng/ul	0.00

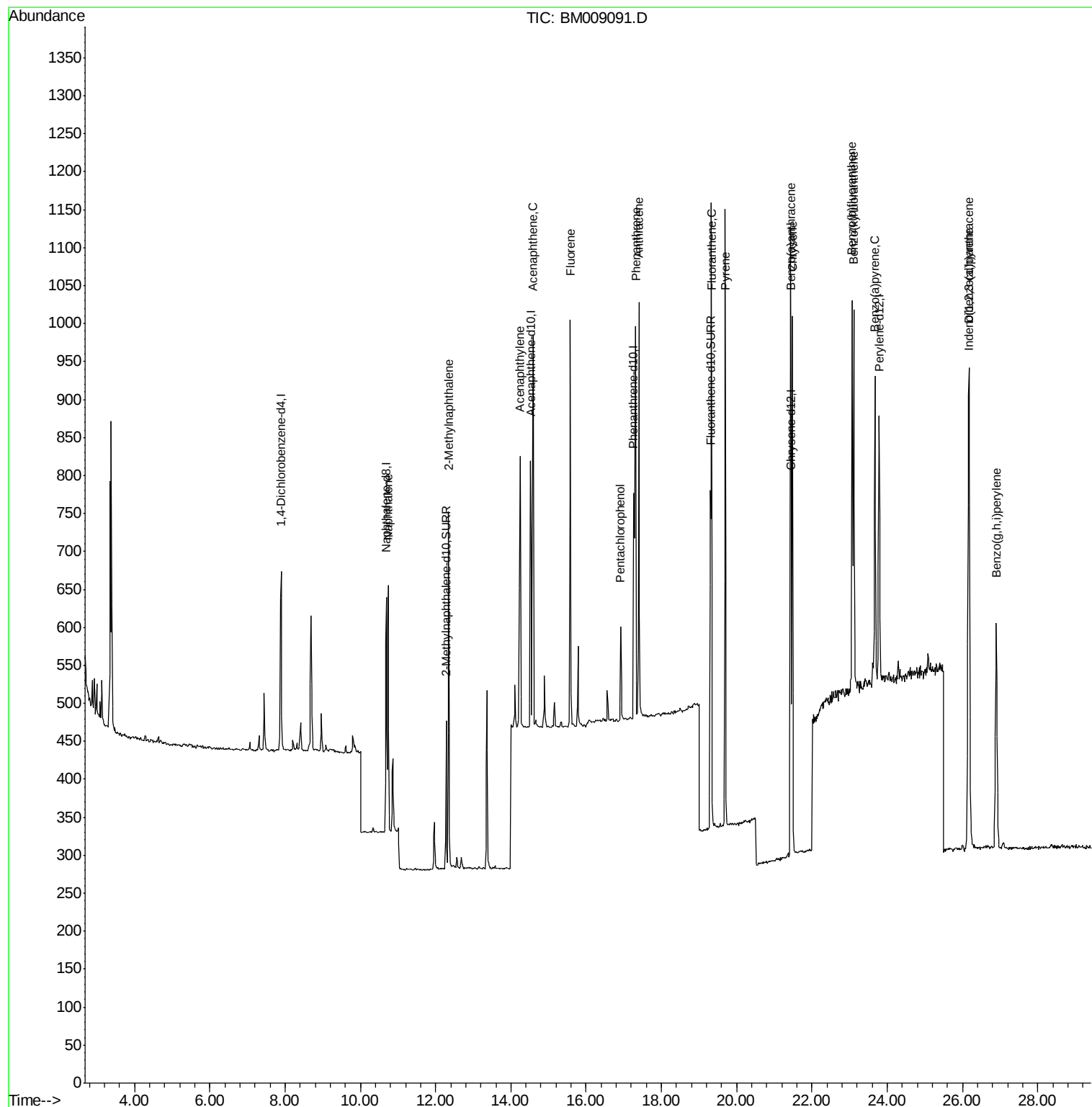
Target Compounds						Qvalue
3) Naphthalene	10.74	128	486	0.40	ng/ul#	77
5) 2-Methylnaphthalene	12.35	142	331	0.38	ng/ul	99
7) Acenaphthylene	14.25	152	461	0.40	ng/ul#	78
8) Acenaphthene	14.59	153	345	0.39	ng/ul	93
9) Fluorene	15.58	166	403	0.39	ng/ul#	94
11) Pentachlorophenol	16.92	266	98	0.41	ng/ul	99
12) Phenanthrene	17.31	178	627	0.40	ng/ul#	86
13) Anthracene	17.40	178	612	0.40	ng/ul#	89
15) Fluoranthene	19.33	202	768	0.38	ng/ul	93
17) Pyrene	19.69	202	778	0.43	ng/ul#	90
18) Benzo(a)anthracene	21.43	228	718	0.41	ng/ul#	91
19) Chrysene	21.48	228	700	0.43	ng/ul#	91
21) Benzo(b)fluoranthene	23.07	252	745	0.37	ng/ul	90
22) Benzo(k)fluoranthene	23.12	252	761	0.43	ng/ul#	86
23) Benzo(a)pyrene	23.67	252	719	0.40	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.16	276	862	0.37	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.17	278	703	0.36	ng/ul#	88
26) Benzo(g,h,i)perylene	26.89	276	730	0.37	ng/ul#	88

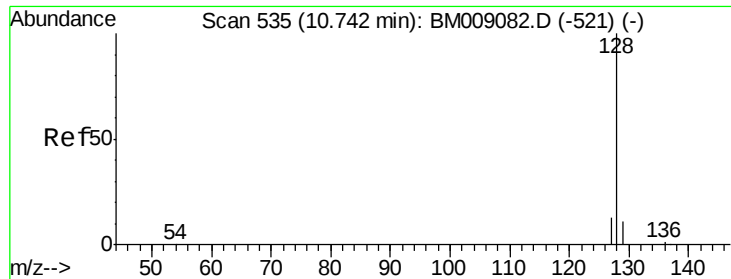
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.74 min Scan# 535

Delta R.T. -0.00 min

Lab File: BM009091.D

Acq: 06 Mar 2017 21:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

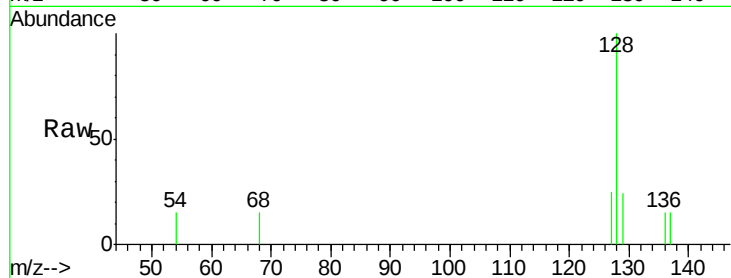
Tgt Ion:128 Resp: 486

Ion Ratio Lower Upper

128 100

129 23.9 11.3 16.9#

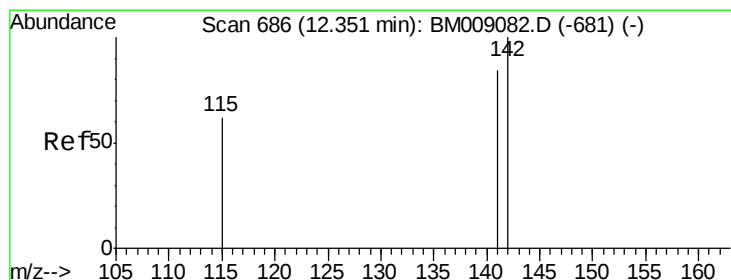
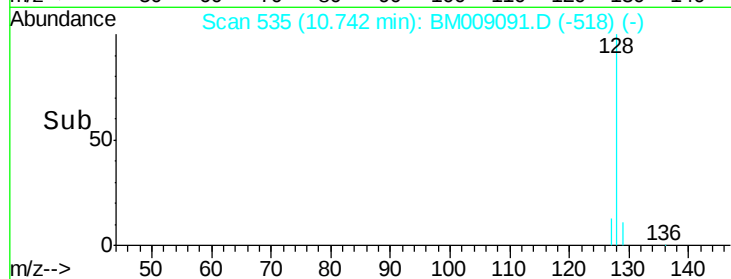
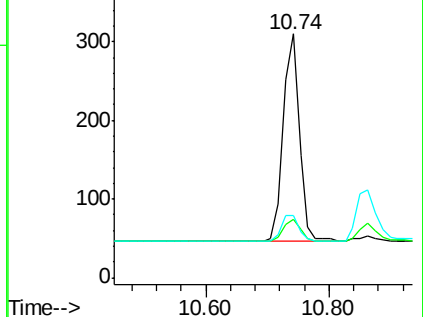
127 25.5 12.8 19.2#



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



#5

2-Methylnaphthalene

Concen: 0.38 ng/ul

RT: 12.35 min Scan# 686

Delta R.T. -0.00 min

Lab File: BM009091.D

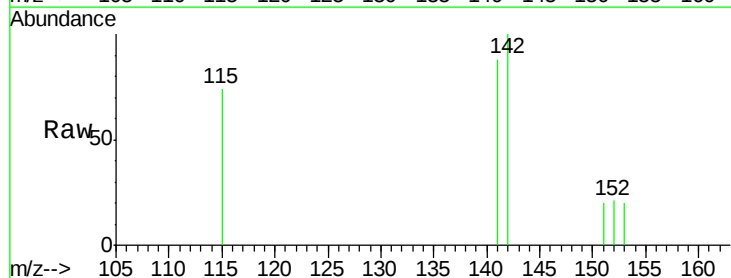
Acq: 06 Mar 2017 21:52

Tgt Ion:142 Resp: 331

Ion Ratio Lower Upper

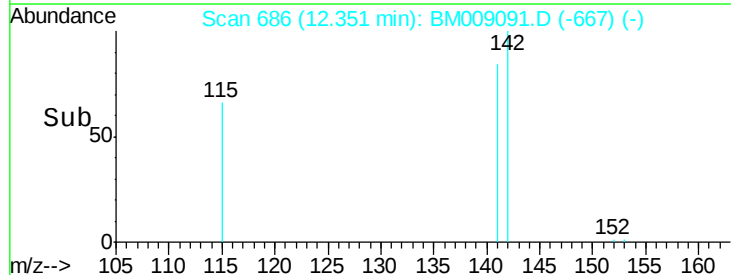
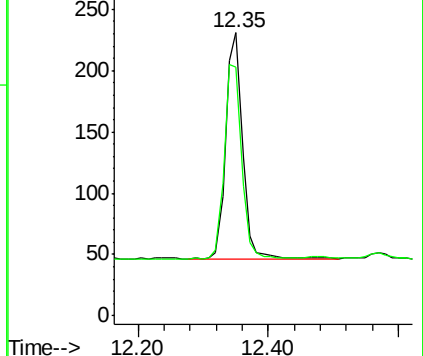
142 100

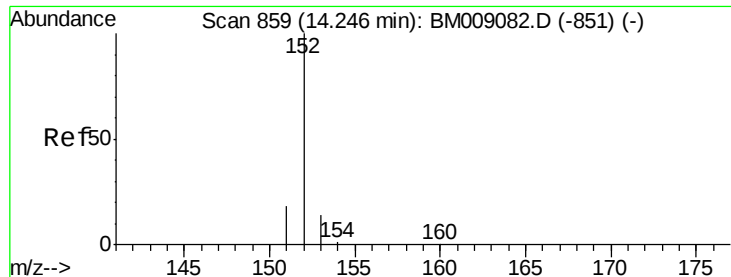
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.25 min Scan# 859

Delta R.T. -0.00 min

Lab File: BM009091.D

Acq: 06 Mar 2017 21:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

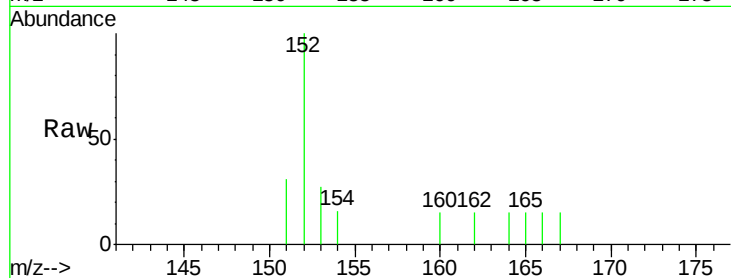
Tgt Ion:152 Resp: 461

Ion Ratio Lower Upper

152 100

151 30.7 17.1 25.7#

153 26.8 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

14.25

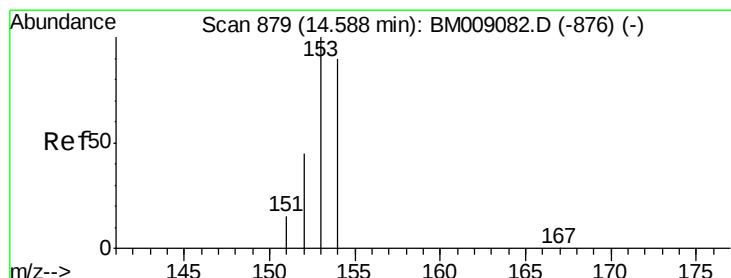
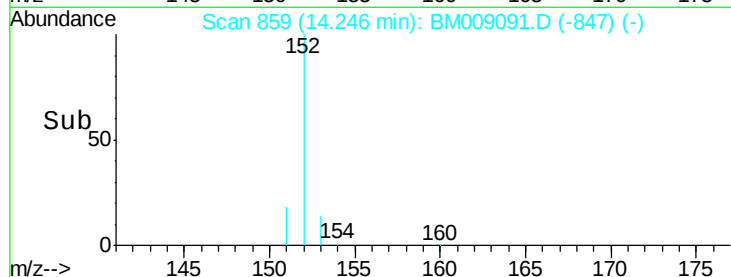
300

200

100

0

Time-->



#8

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.59 min Scan# 879

Delta R.T. -0.00 min

Lab File: BM009091.D

Acq: 06 Mar 2017 21:52

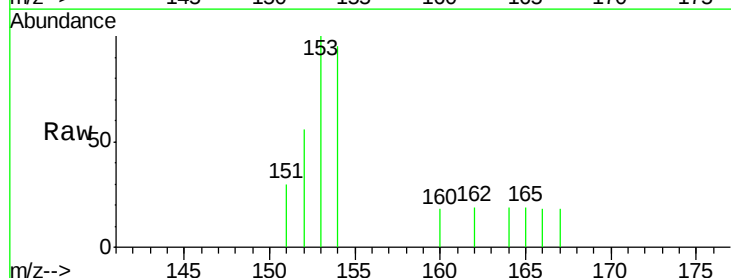
Tgt Ion:153 Resp: 345

Ion Ratio Lower Upper

153 100

152 55.8 40.3 60.5

154 94.8 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

14.59

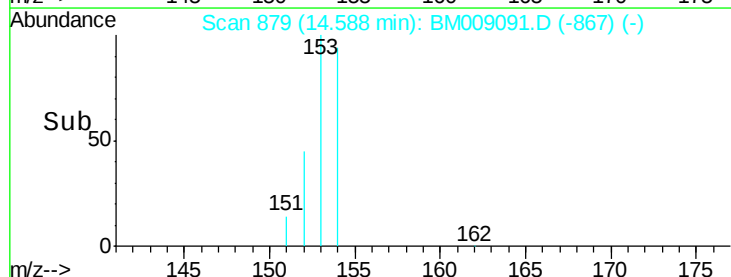
300

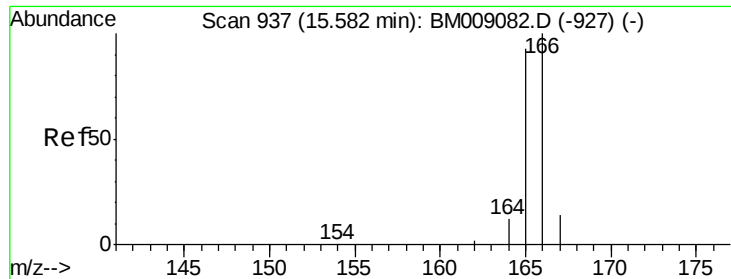
200

100

0

Time-->

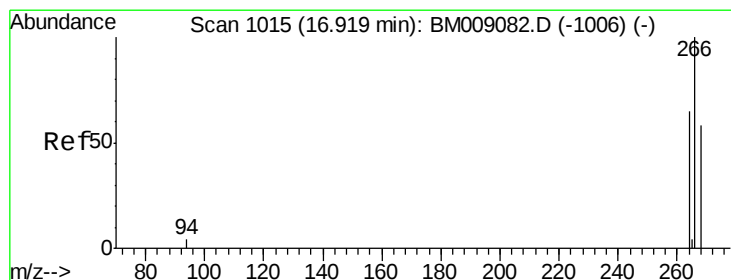
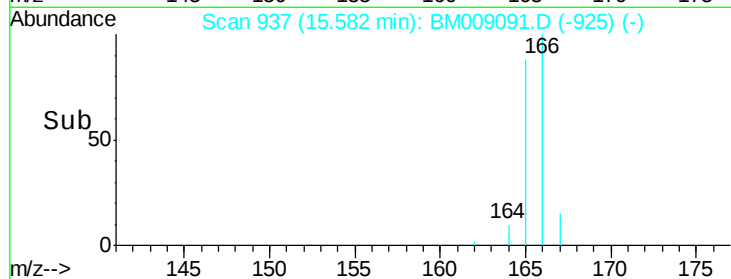
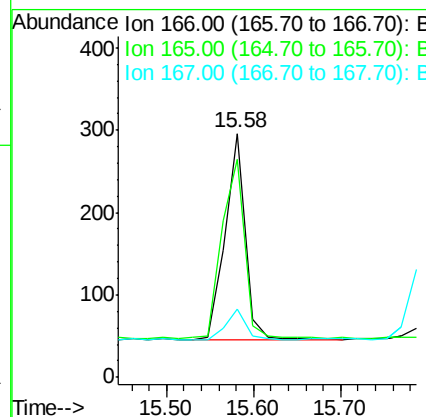
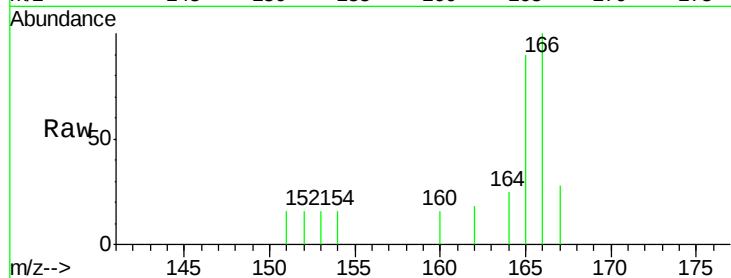




#9
Fluorene
 Concen: 0.39 ng/ul
 RT: 15.58 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: BM009091.D
 Acq: 06 Mar 2017 21:52

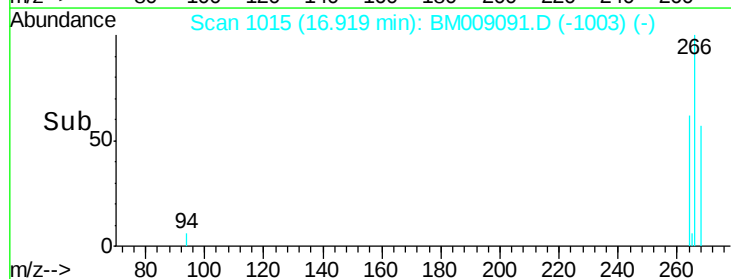
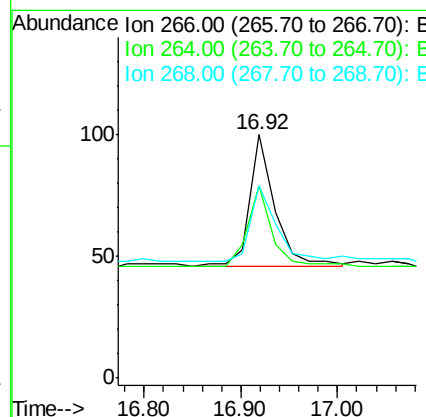
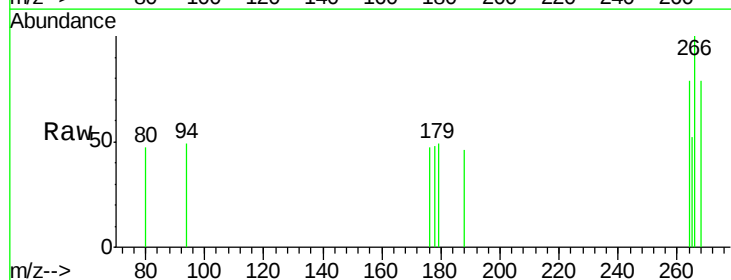
Instrument :
 BNA_M
 ClientSampleId :
 SST0.443

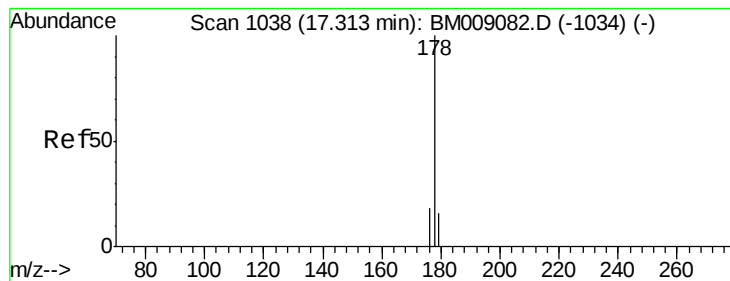
Tgt Ion:166 Resp: 403
 Ion Ratio Lower Upper
 166 100
 165 89.5 73.4 110.2
 167 28.0 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.41 ng/ul
 RT: 16.92 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: BM009091.D
 Acq: 06 Mar 2017 21:52

Tgt Ion:266 Resp: 98
 Ion Ratio Lower Upper
 266 100
 264 59.2 47.9 71.9
 268 61.2 49.8 74.8





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BM009091.D

Acq: 06 Mar 2017 21:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

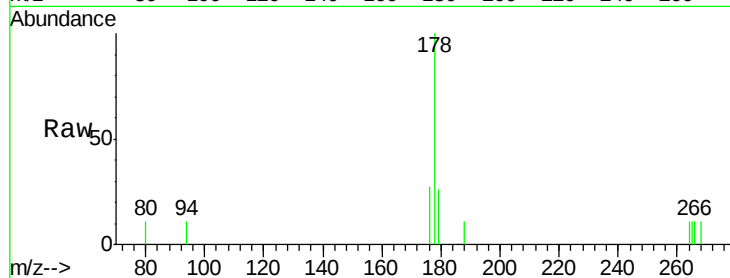
Tgt Ion:178 Resp: 627

Ion Ratio Lower Upper

178 100

176 27.2 18.4 27.6

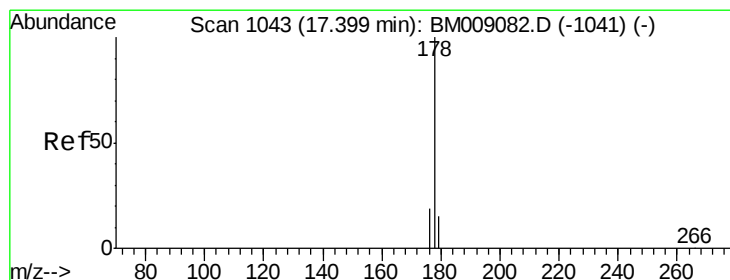
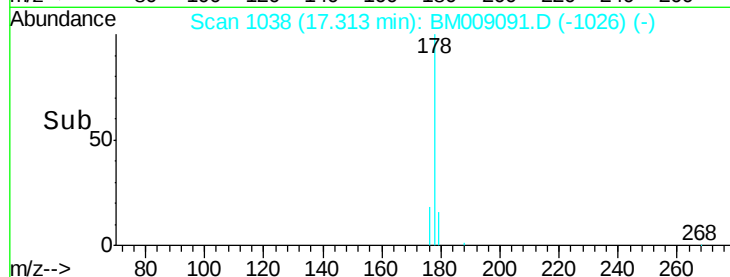
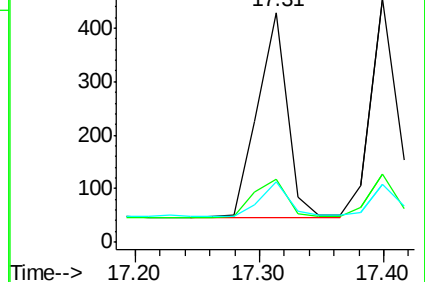
179 26.3 13.6 20.4#



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: BM009091.D

Acq: 06 Mar 2017 21:52

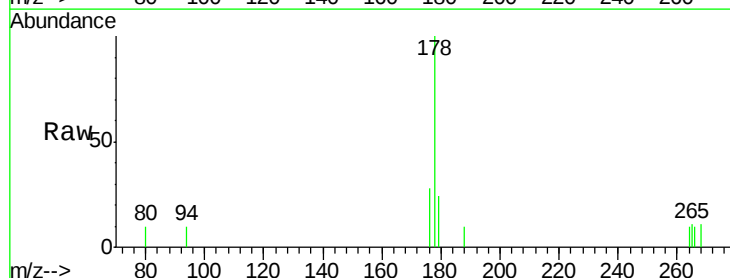
Tgt Ion:178 Resp: 612

Ion Ratio Lower Upper

178 100

176 27.9 18.1 27.1#

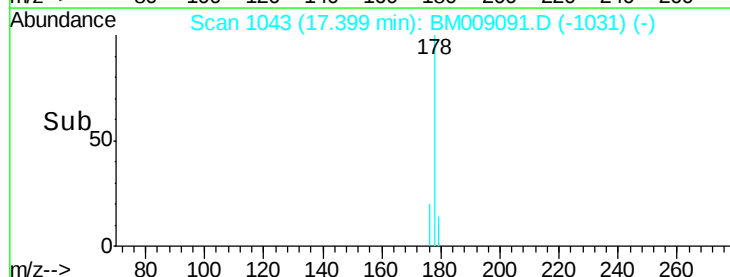
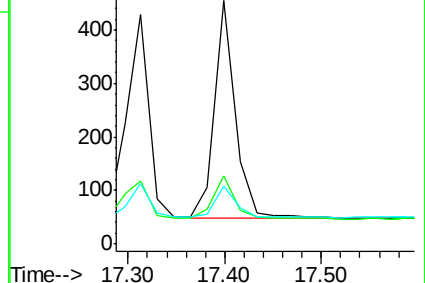
179 23.7 14.7 22.1#

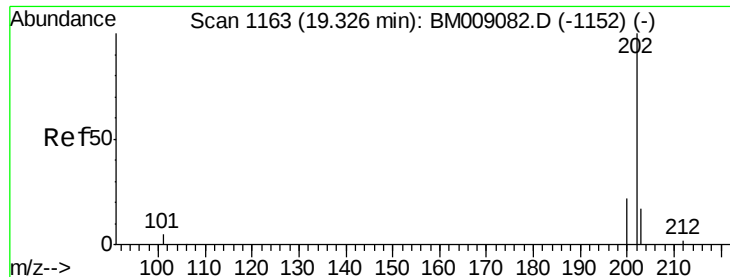


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.38 ng/ul

RT: 19.33 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BM009091.D

Acq: 06 Mar 2017 21:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

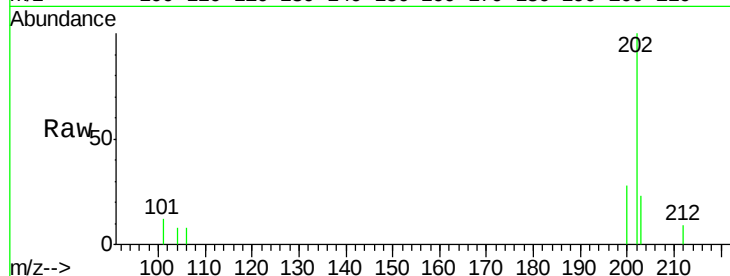
Tgt Ion:202 Resp: 768

Ion Ratio Lower Upper

202 100

101 12.2 0.0 30.3

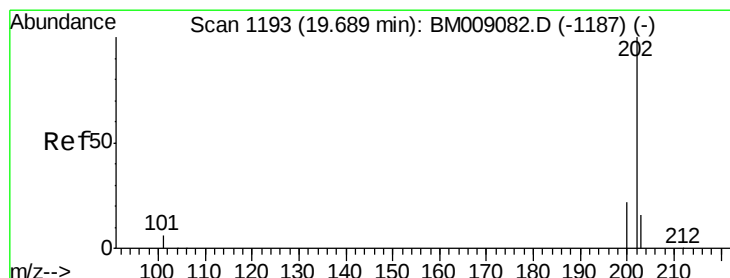
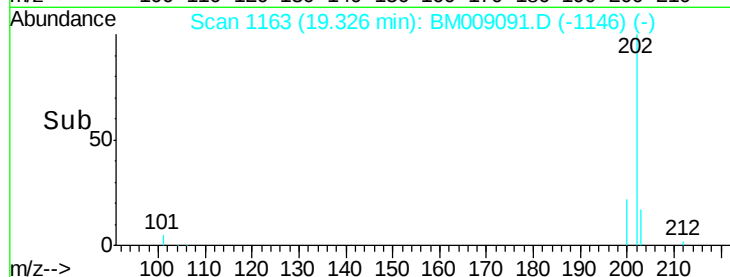
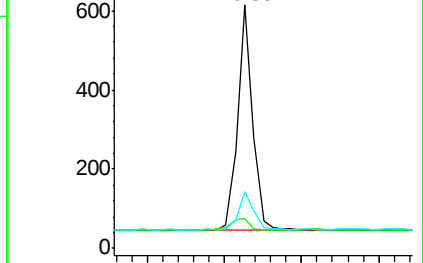
203 23.3 0.0 39.5



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

Pyrene

Concen: 0.43 ng/ul

RT: 19.69 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BM009091.D

Acq: 06 Mar 2017 21:52

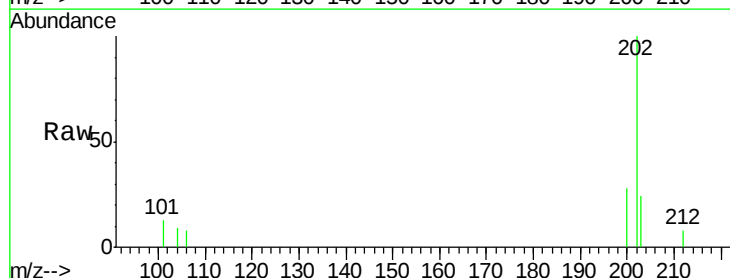
Tgt Ion:202 Resp: 778

Ion Ratio Lower Upper

202 100

200 27.6 18.2 27.4#

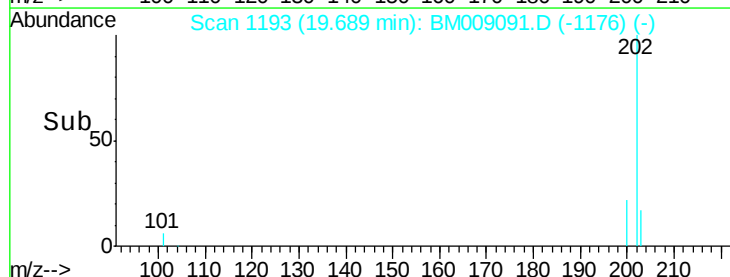
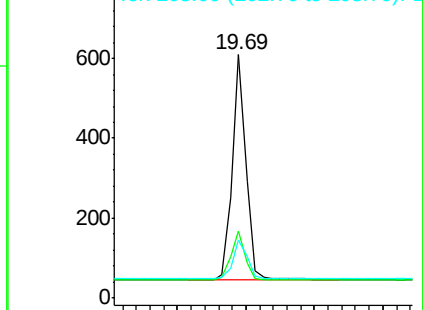
203 24.1 15.6 23.4#

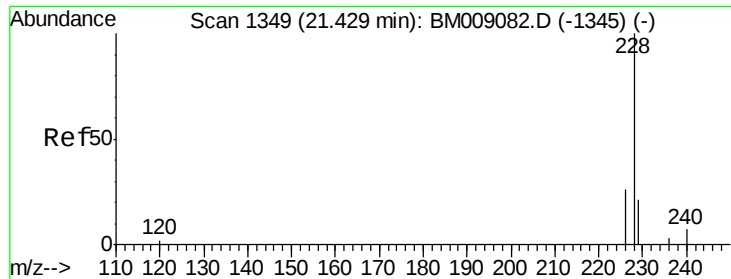


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.41 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BM009091.D

Acq: 06 Mar 2017 21:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

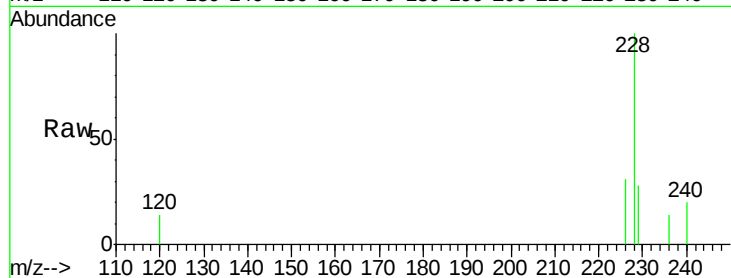
Tgt Ion:228 Resp: 718

Ion Ratio Lower Upper

228 100

226 31.2 22.8 34.2

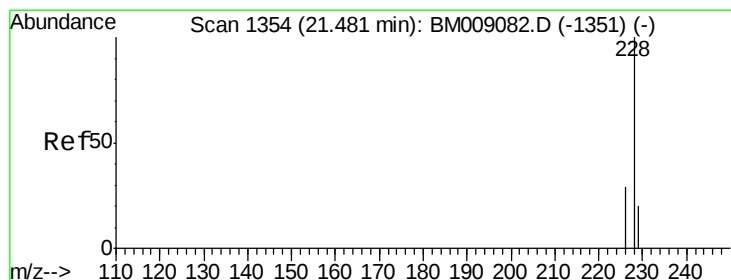
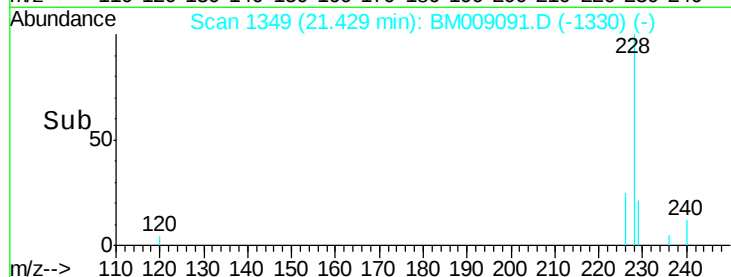
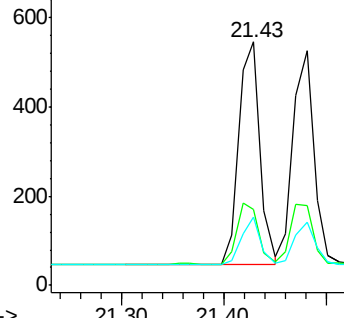
229 28.1 17.0 25.6#



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



#19

Chrysene

Concen: 0.43 ng/ul

RT: 21.48 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BM009091.D

Acq: 06 Mar 2017 21:52

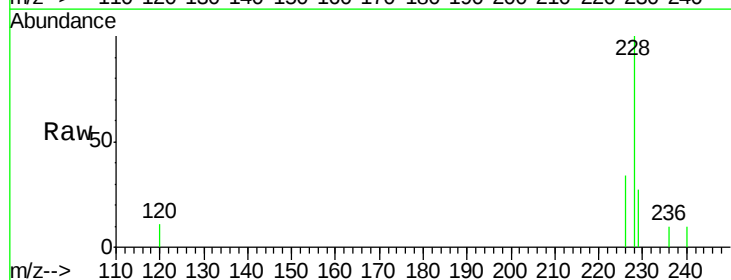
Tgt Ion:228 Resp: 700

Ion Ratio Lower Upper

228 100

226 33.8 23.4 35.0

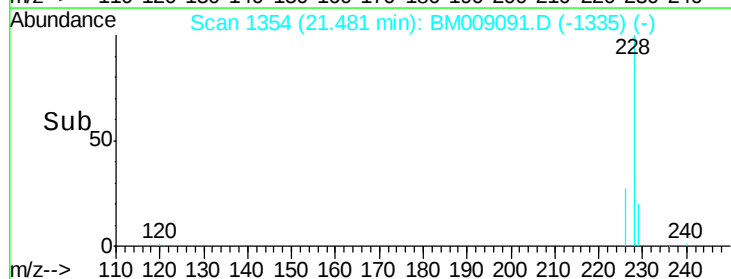
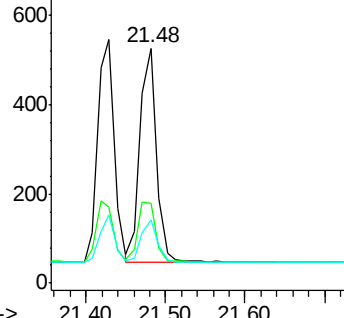
229 27.0 17.7 26.5#

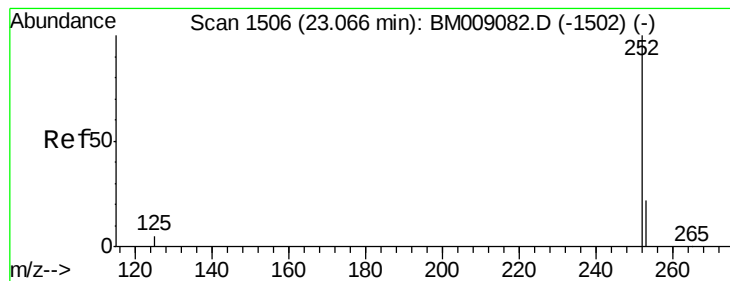


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.37 ng/u1

RT: 23.07 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BM009091.D

Acq: 06 Mar 2017 21:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

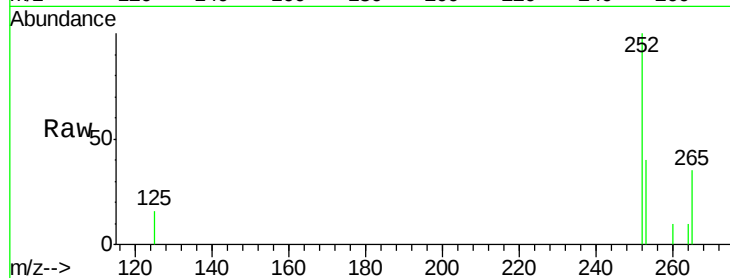
Tgt Ion:252 Resp: 745

Ion Ratio Lower Upper

252 100

253 39.7 0.0 64.2

125 15.7 0.0 35.0

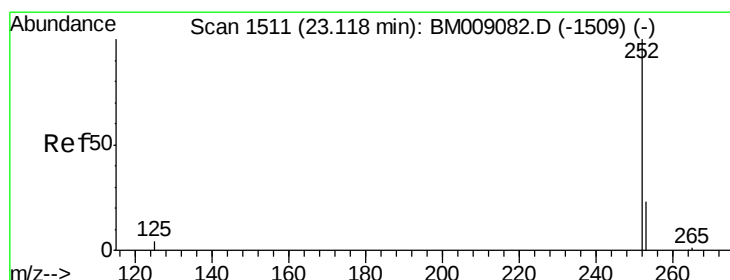
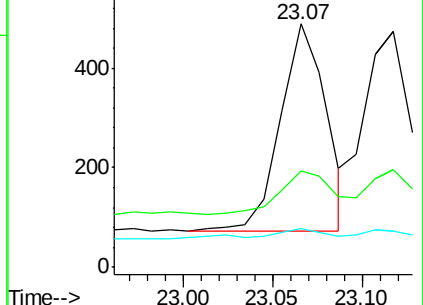
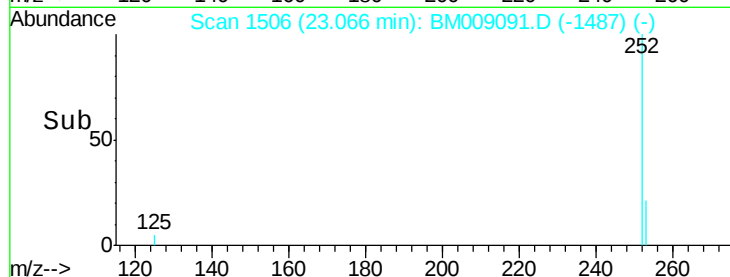


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#22

Benzo(k)fluoranthene

Concen: 0.43 ng/u1

RT: 23.12 min Scan# 1511

Delta R.T. -0.00 min

Lab File: BM009091.D

Acq: 06 Mar 2017 21:52

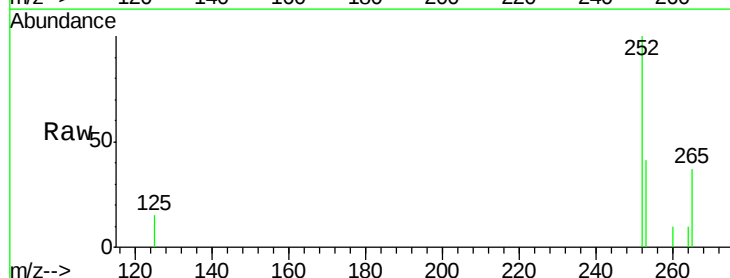
Tgt Ion:252 Resp: 761

Ion Ratio Lower Upper

252 100

253 41.1 24.5 36.7#

125 15.4 13.7 20.5

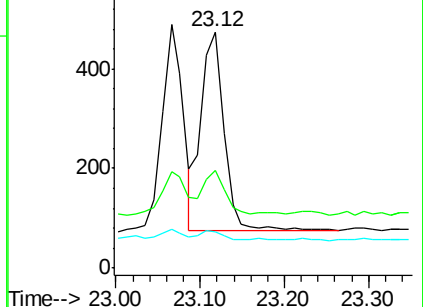
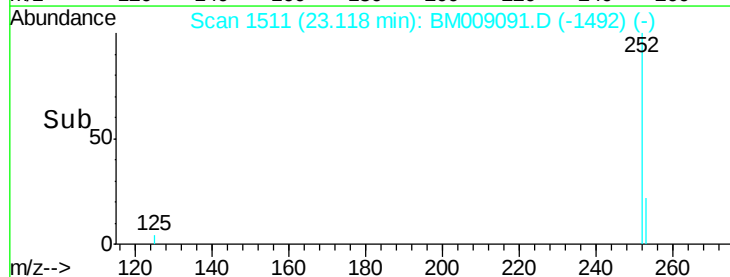


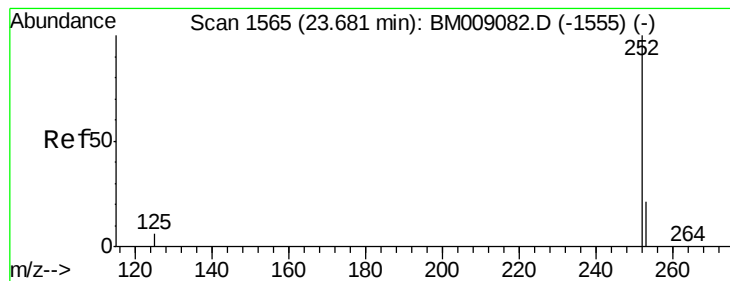
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.67 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BM009091.D

Acq: 06 Mar 2017 21:52

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

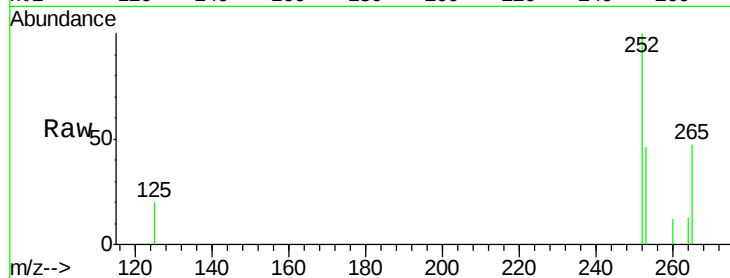
Tgt Ion: 252 Resp: 719

Ion Ratio Lower Upper

252 100

253 45.6 28.5 42.7#

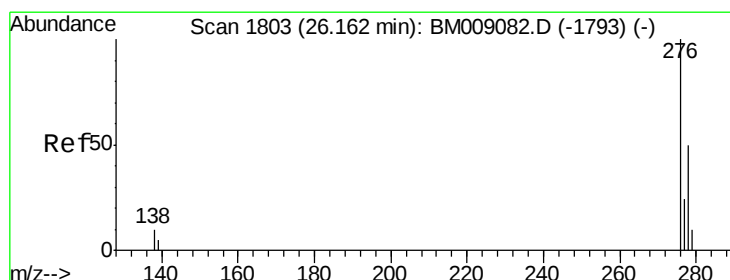
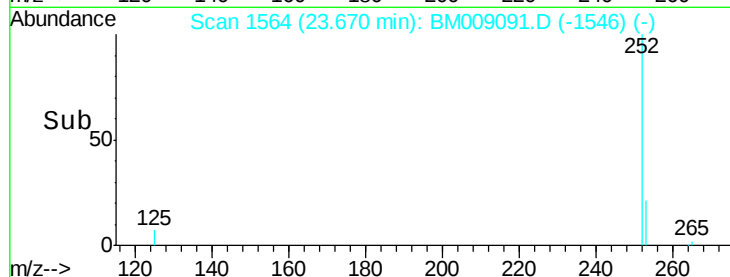
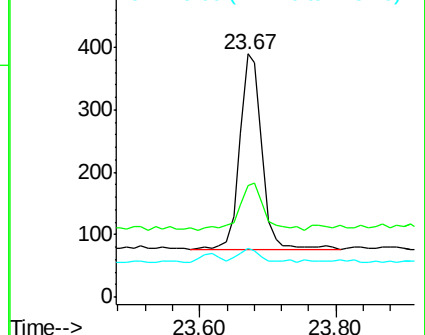
125 20.0 18.1 27.1



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. -0.00 min

Lab File: BM009091.D

Acq: 06 Mar 2017 21:52

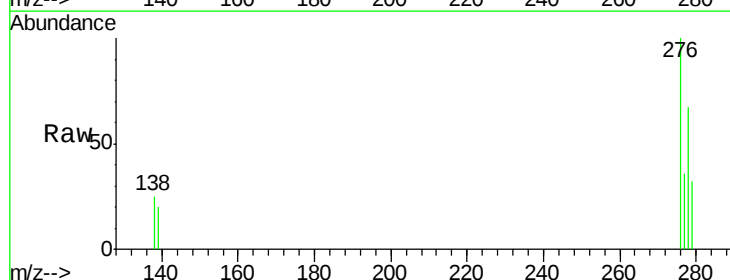
Tgt Ion: 276 Resp: 862

Ion Ratio Lower Upper

276 100

138 12.2 19.1 28.7#

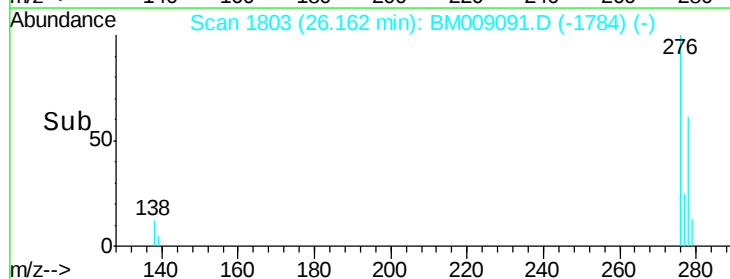
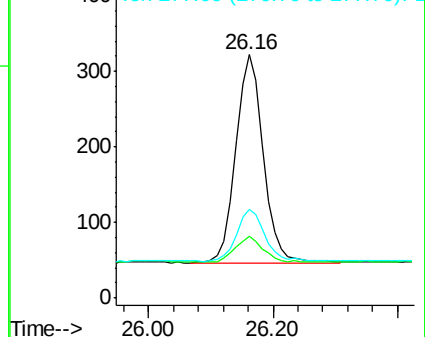
277 26.5 19.6 29.4

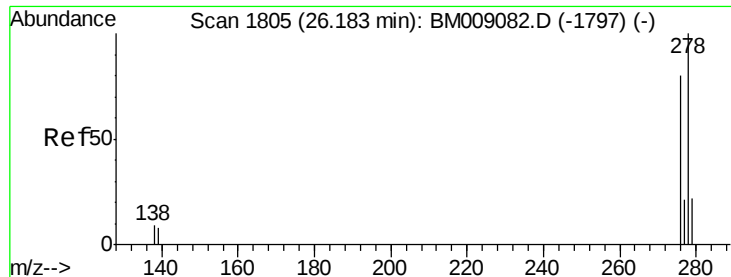


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



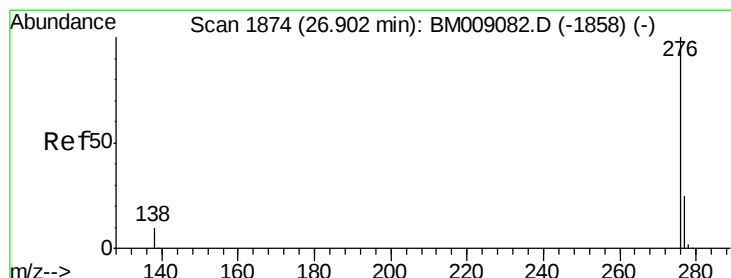
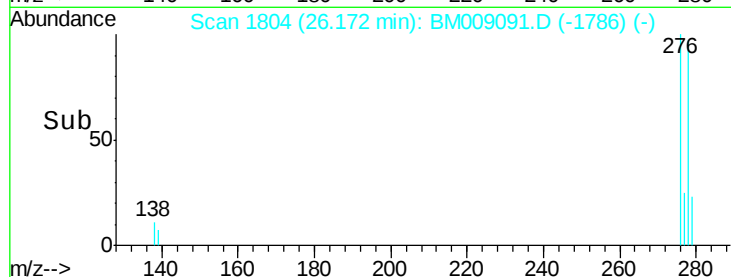
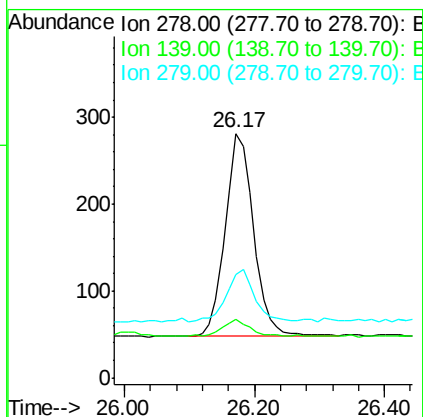
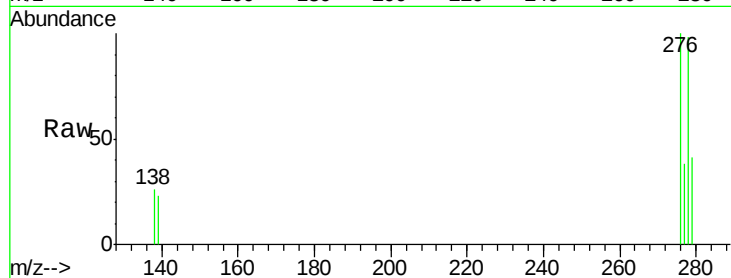


#25
Dibenzo(a,h)anthracene
Concen: 0.36 ng/ul
RT: 26.17 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BM009091.D
Acq: 06 Mar 2017 21:52

Instrument :
BNA_M
ClientSampleId :
SSTD0.443

Tgt Ion: 278 Resp: 703

Ion	Ratio	Lower	Upper
278	100		
139	23.8	17.4	26.0
279	42.3	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.37 ng/ul
RT: 26.89 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BM009091.D
Acq: 06 Mar 2017 21:52

Tgt Ion: 276 Resp: 730

Ion	Ratio	Lower	Upper
276	100		
277	38.1	21.8	32.8#
138	26.4	20.5	30.7

