

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030717\
 Data File : BM009104.D
 Acq On : 07 Mar 2017 20:04
 Operator : SJ/MA
 Sample : SSTDC00.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.447

Quant Time: Mar 08 03:13:56 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 08 03:12:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	160	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	444	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	236	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	534	0.40	ng/ul	-0.02
16) Chrysene-d12	21.45	240	535	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	490	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	283	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	618	0.37	ng/ul	0.00

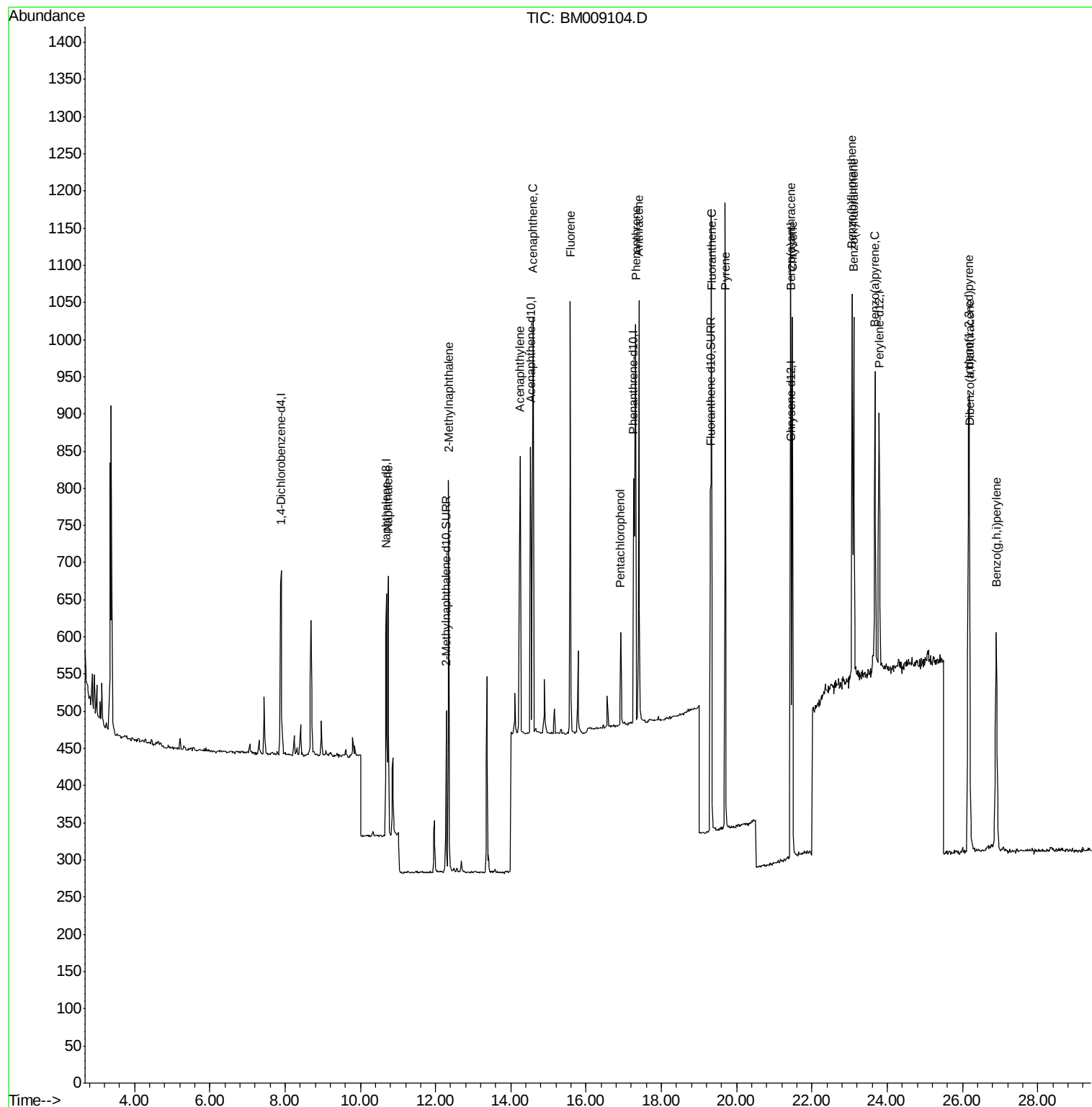
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.74	128	522	0.41	ng/ul#	77
5) 2-Methylnaphthalene	12.35	142	367	0.40	ng/ul	99
7) Acenaphthylene	14.25	152	508	0.41	ng/ul#	80
8) Acenaphthene	14.59	153	385	0.41	ng/ul	94
9) Fluorene	15.58	166	443	0.40	ng/ul#	96
11) Pentachlorophenol	16.92	266	92	0.35	ng/ul	92
12) Phenanthrene	17.31	178	675	0.40	ng/ul#	89
13) Anthracene	17.40	178	648	0.39	ng/ul#	89
15) Fluoranthene	19.33	202	811	0.37	ng/ul	93
17) Pyrene	19.69	202	789	0.43	ng/ul#	90
18) Benzo(a)anthracene	21.43	228	722	0.41	ng/ul#	92
19) Chrysene	21.48	228	692	0.41	ng/ul#	91
21) Benzo(b)fluoranthene	23.07	252	738	0.38	ng/ul	88
22) Benzo(k)fluoranthene	23.12	252	745	0.44	ng/ul#	83
23) Benzo(a)pyrene	23.67	252	726	0.42	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.16	276	860	0.39	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.18	278	717	0.39	ng/ul#	87
26) Benzo(g,h,i)perylene	26.89	276	731	0.39	ng/ul#	90

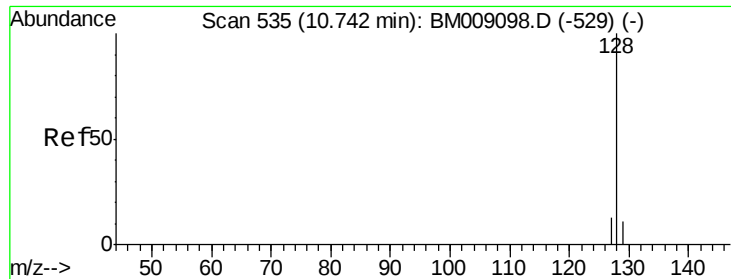
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.74 min Scan# 535

Delta R.T. 0.00 min

Lab File: BM009104.D

Acq: 07 Mar 2017 20:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.447

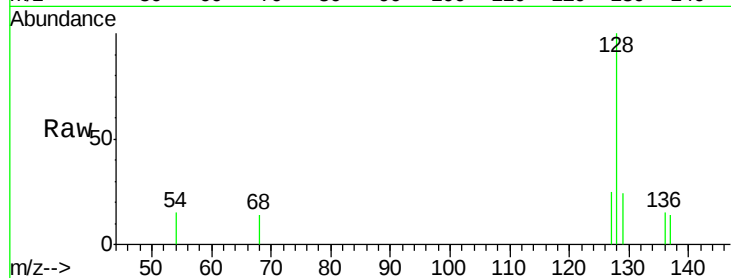
Tgt Ion:128 Resp: 522

Ion Ratio Lower Upper

128 100

129 24.5 11.3 16.9#

127 25.1 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

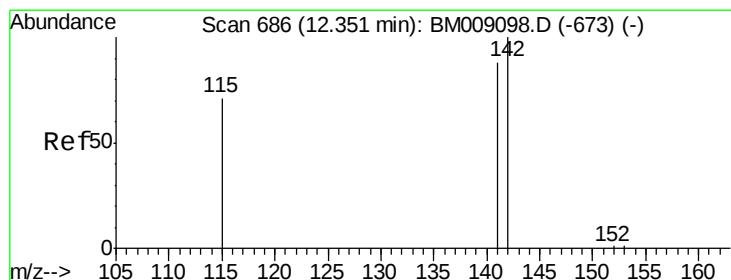
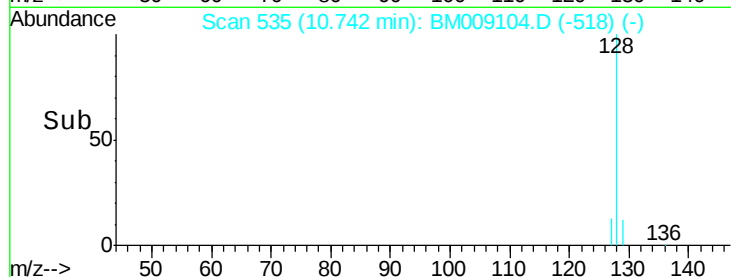
200

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: BM009104.D

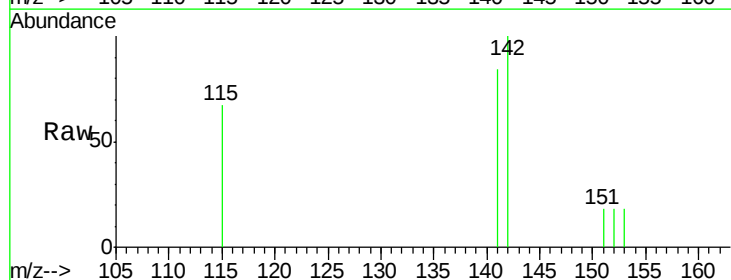
Acq: 07 Mar 2017 20:04

Tgt Ion:142 Resp: 367

Ion Ratio Lower Upper

142 100

141 89.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.35

300

250

200

150

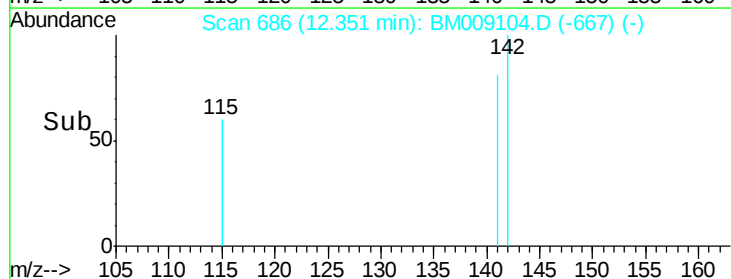
100

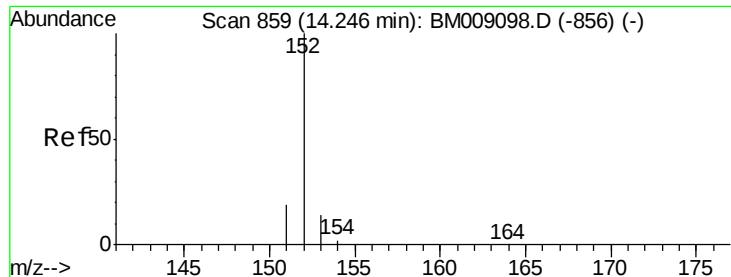
50

0

Time-->

12.30 12.40





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.25 min Scan# 859

Delta R.T. 0.00 min

Lab File: BM009104.D

Acq: 07 Mar 2017 20:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.447

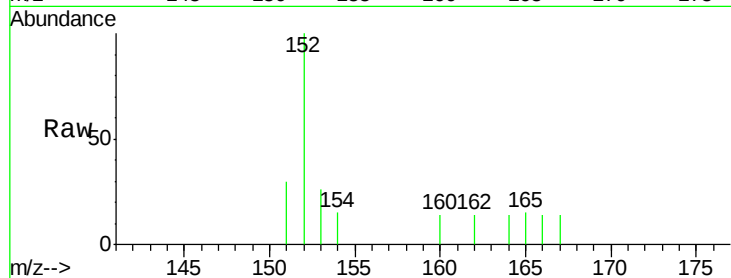
Tgt Ion:152 Resp: 508

Ion Ratio Lower Upper

152 100

151 30.0 17.1 25.7#

153 26.0 12.8 19.2#

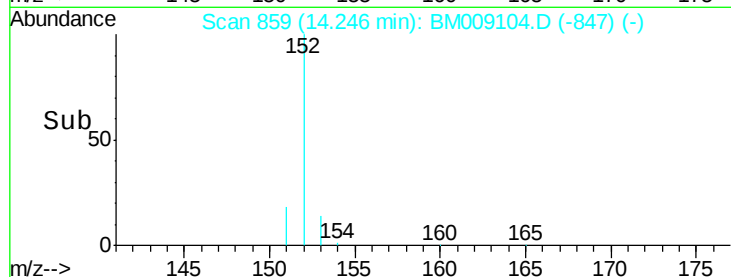


Abundance Ion 152.00 (151.70 to 152.70): E

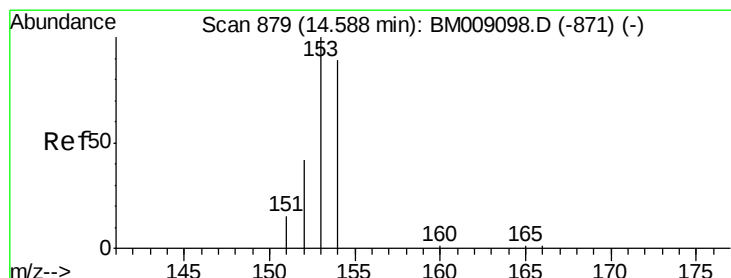
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

Time-->



Time-->



#8

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.59 min Scan# 879

Delta R.T. 0.00 min

Lab File: BM009104.D

Acq: 07 Mar 2017 20:04

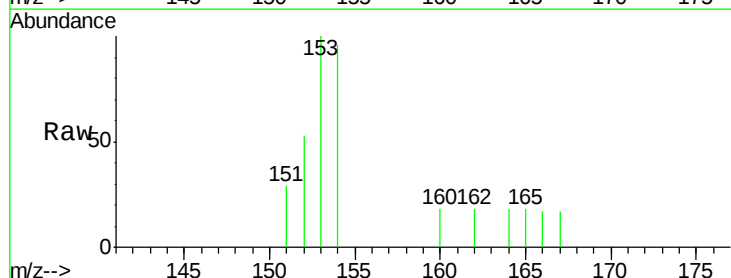
Tgt Ion:153 Resp: 385

Ion Ratio Lower Upper

153 100

152 53.4 40.3 60.5

154 95.9 71.4 107.2

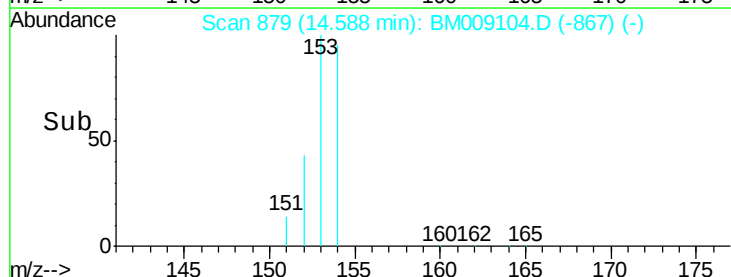


Abundance Ion 153.00 (152.70 to 153.70): E

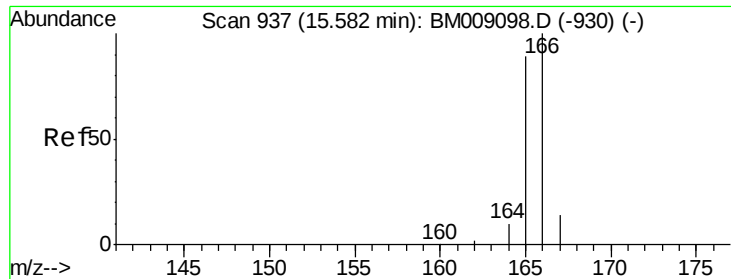
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

Time-->



Time-->



#9

Fluorene

Concen: 0.40 ng/ul

RT: 15.58 min Scan# 937

Delta R.T. 0.00 min

Lab File: BM009104.D

Acq: 07 Mar 2017 20:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.447

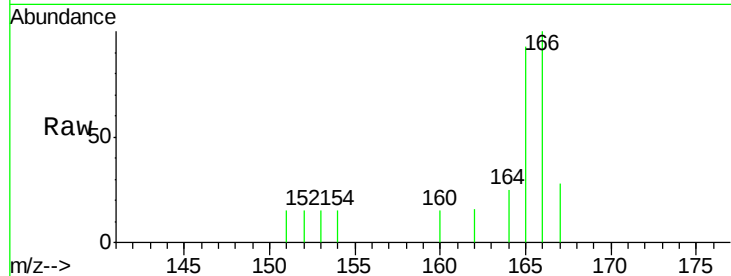
Tgt Ion:166 Resp: 443

Ion Ratio Lower Upper

166 100

165 92.6 73.4 110.2

167 27.6 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

15.58

300

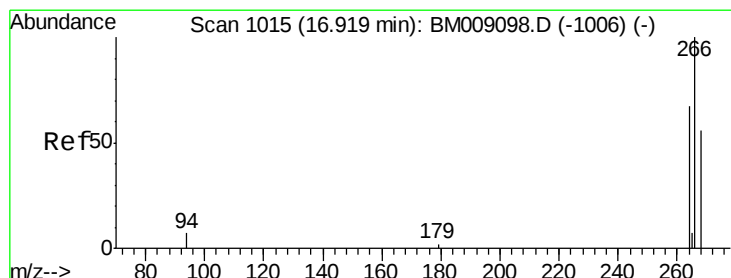
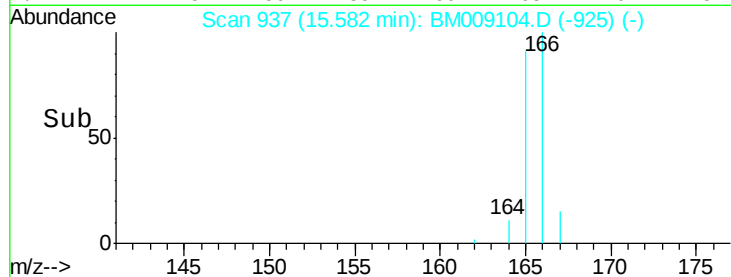
200

100

0

Time-->

15.40 15.60



#11

Pentachlorophenol

Concen: 0.35 ng/ul

RT: 16.92 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BM009104.D

Acq: 07 Mar 2017 20:04

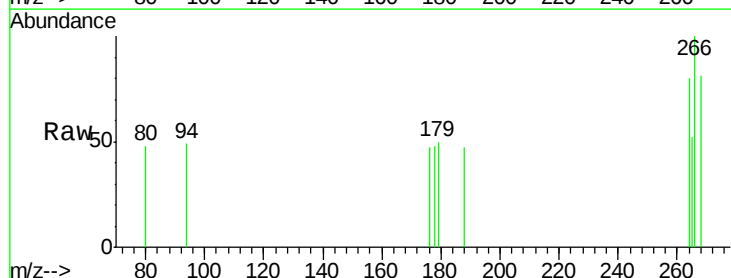
Tgt Ion:266 Resp: 92

Ion Ratio Lower Upper

266 100

264 67.4 47.9 71.9

268 66.3 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

16.92

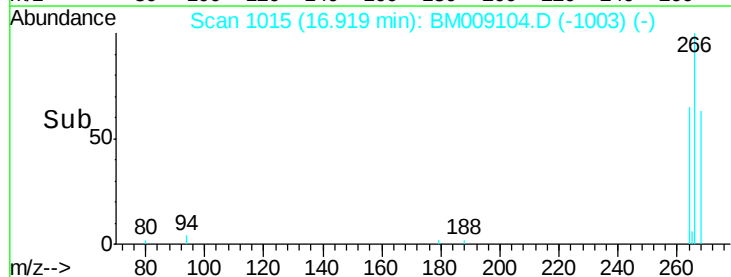
100

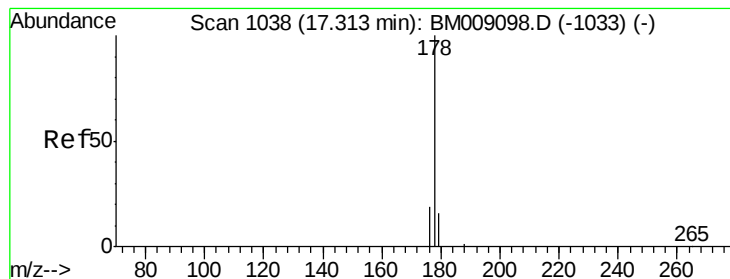
50

0

Time-->

16.80 16.90 17.00





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BM009104.D

Acq: 07 Mar 2017 20:04

Instrument :

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ClientSampleId :

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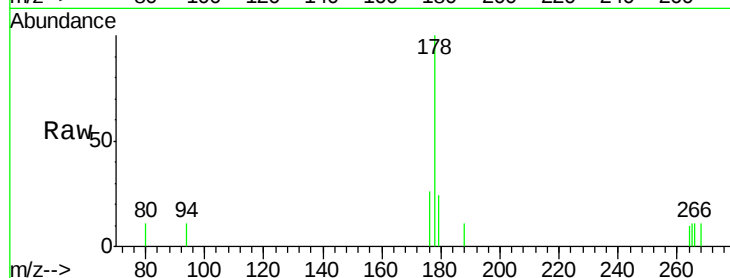
Tgt Ion:178 Resp: 675

Ion Ratio Lower Upper

178 100

176 25.9 18.4 27.6

179 24.4 13.6 20.4#



Abundance Ion 178.00 (177.70 to 178.70): E

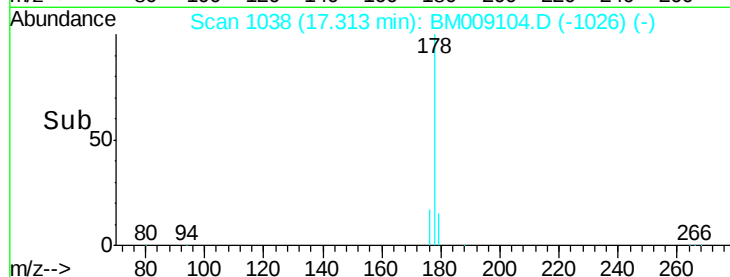
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

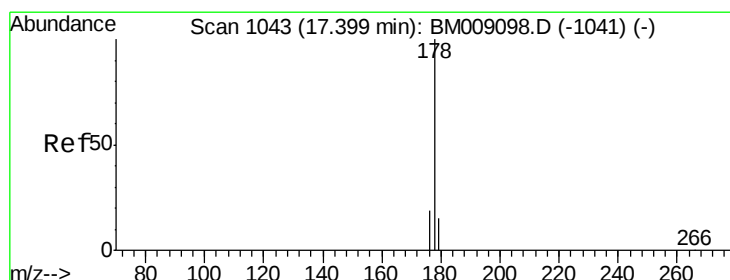
17.31

17.40

Time-->



Time-->



#13

Anthracene

Concen: 0.39 ng/ul

RT: 17.40 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BM009104.D

Acq: 07 Mar 2017 20:04

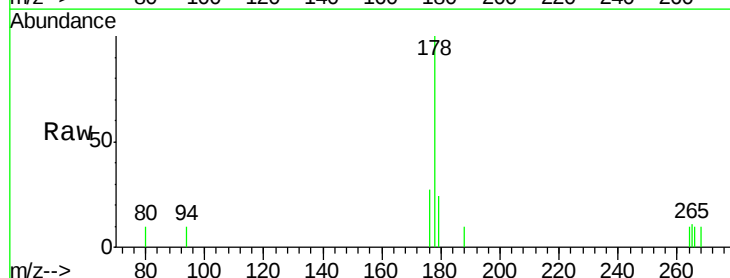
Tgt Ion:178 Resp: 648

Ion Ratio Lower Upper

178 100

176 27.3 18.1 27.1#

179 23.7 14.7 22.1#



Abundance Ion 178.00 (177.70 to 178.70): E

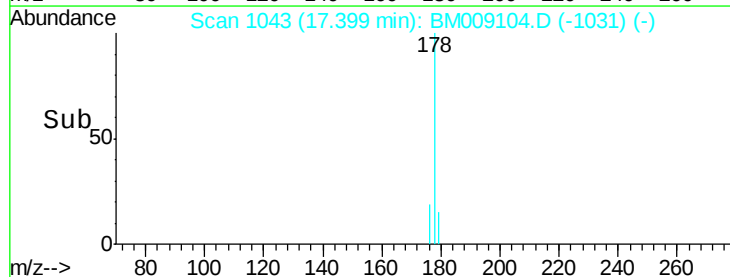
Ion 176.00 (175.70 to 176.70): E

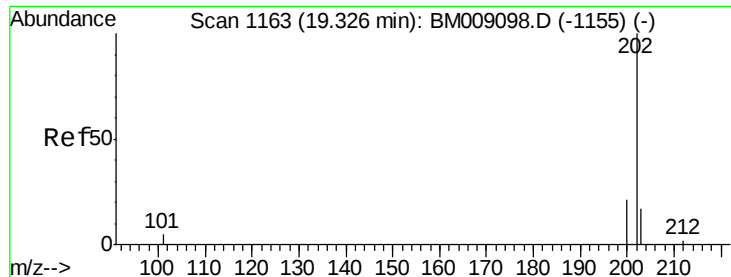
Ion 179.00 (178.70 to 179.70): E

17.40

17.50

Time-->





#15

Fluoranthene

Concen: 0.37 ng/ul

RT: 19.33 min Scan# 1163

Delta R.T. 0.00 min

Lab File: BM009104.D

Acq: 07 Mar 2017 20:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.447

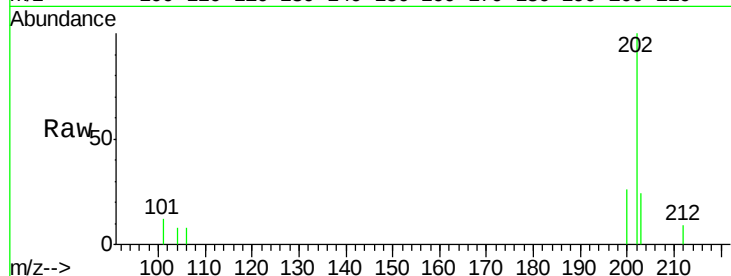
Tgt Ion:202 Resp: 811

Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.3

203 23.6 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

19.33

600

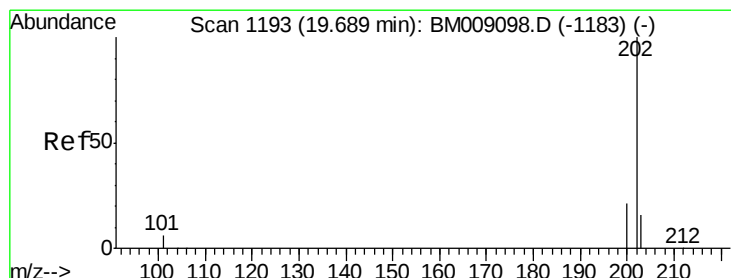
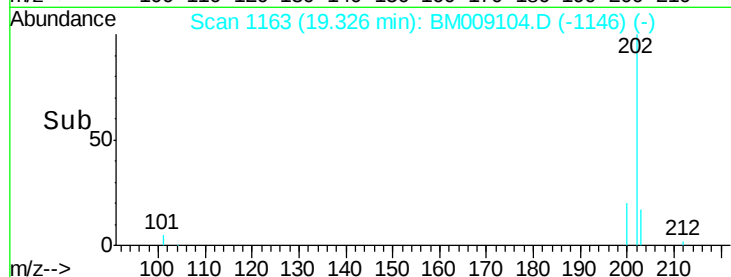
400

200

0

19.20 19.40

Time-->



#17

Pyrene

Concen: 0.43 ng/ul

RT: 19.69 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM009104.D

Acq: 07 Mar 2017 20:04

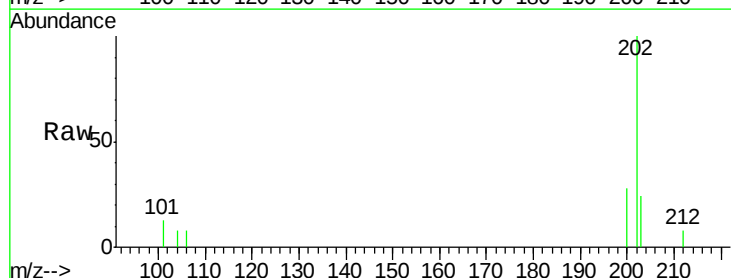
Tgt Ion:202 Resp: 789

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

19.69

600

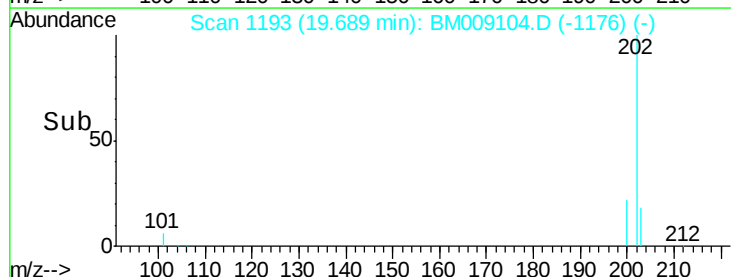
400

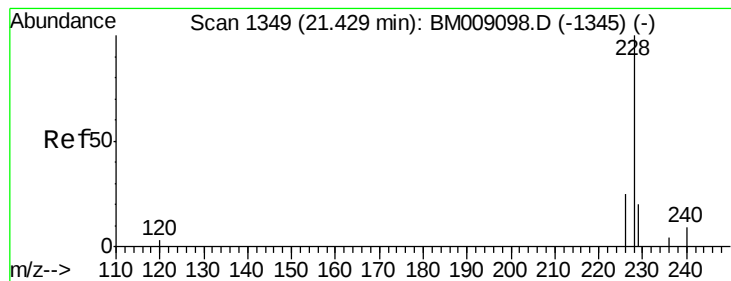
200

0

19.60 19.80

Time-->





#18

Benzo(a)anthracene

Concen: 0.41 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM009104.D

Acq: 07 Mar 2017 20:04

Instrument :

BNA_M

ClientSampleId :

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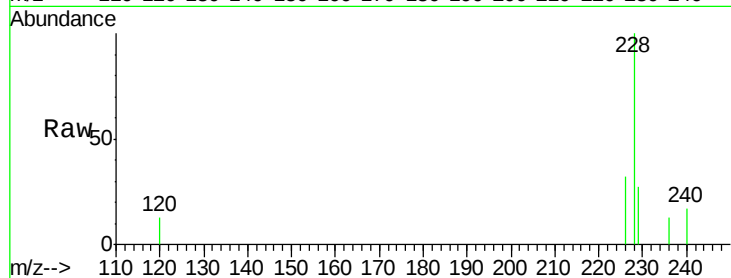
Tgt Ion:228 Resp: 722

Ion Ratio Lower Upper

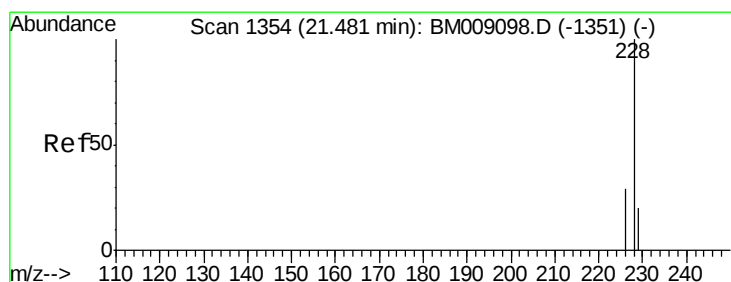
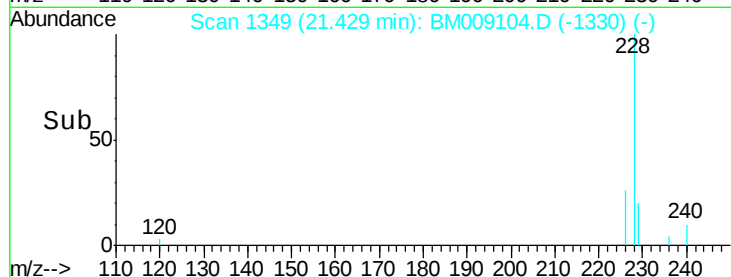
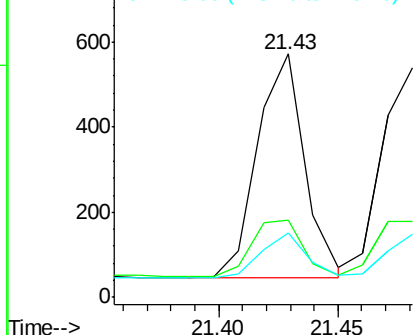
228 100

226 31.8 22.8 34.2

229 26.6 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: BM009104.D

Acq: 07 Mar 2017 20:04

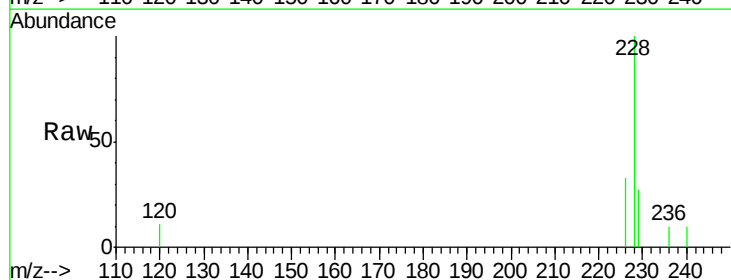
Tgt Ion:228 Resp: 692

Ion Ratio Lower Upper

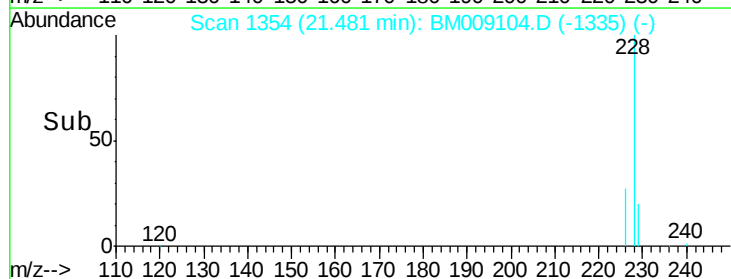
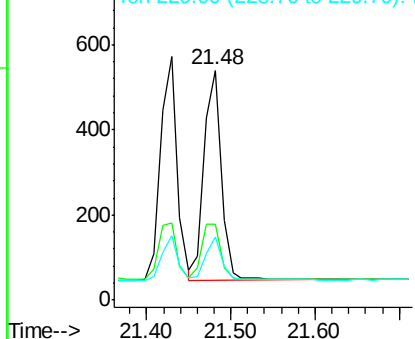
228 100

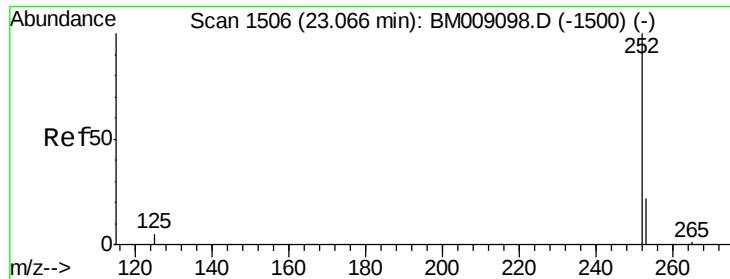
226 33.1 23.4 35.0

229 27.4 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: 0.38 ng/ul

RT: 23.07 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BM009104.D

Acq: 07 Mar 2017 20:04

Instrument :

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SSTD0.447

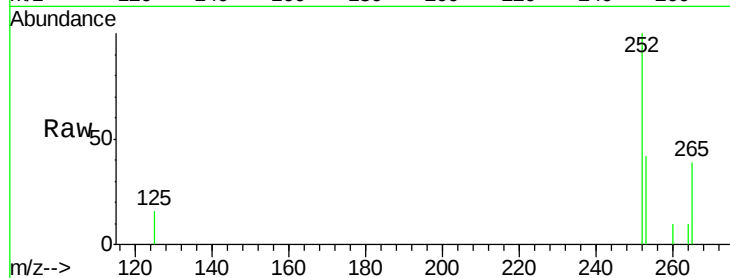
Tgt Ion:252 Resp: 738

Ion Ratio Lower Upper

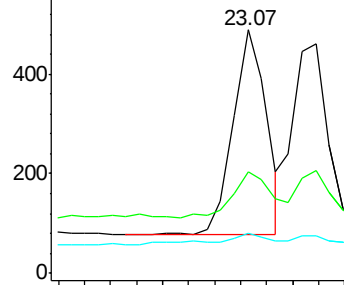
252 100

253 41.5 0.0 64.2

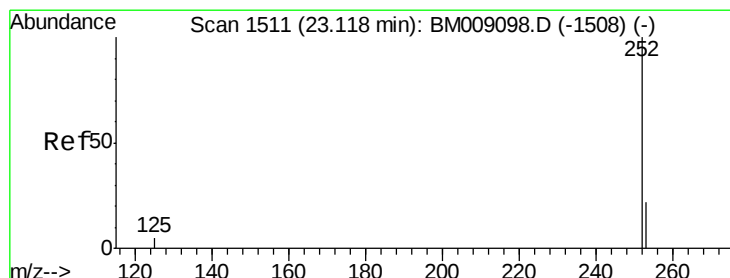
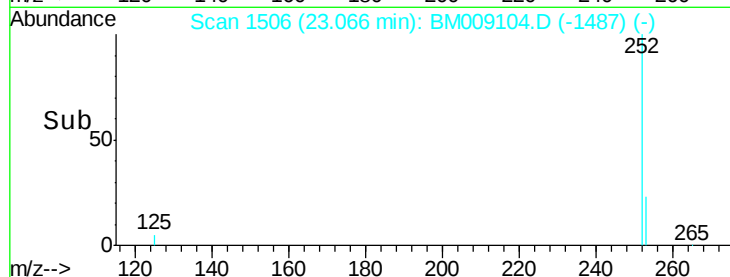
125 16.4 0.0 35.0



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: 0.44 ng/ul

RT: 23.12 min Scan# 1511

Delta R.T. 0.00 min

Lab File: BM009104.D

Acq: 07 Mar 2017 20:04

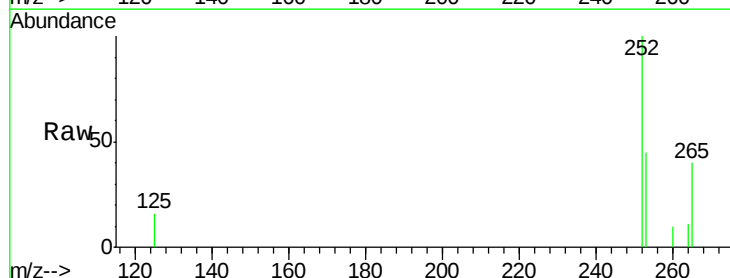
Tgt Ion:252 Resp: 745

Ion Ratio Lower Upper

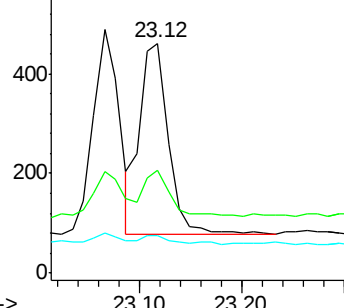
252 100

253 44.8 24.5 36.7#

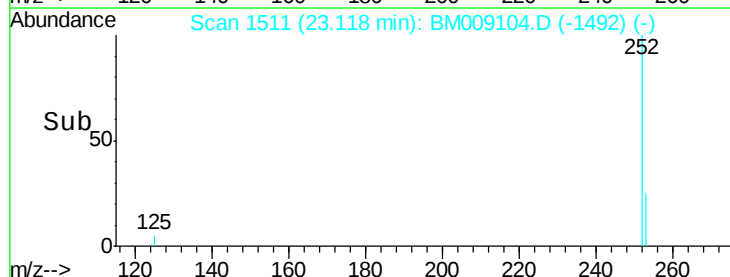
125 16.5 13.7 20.5

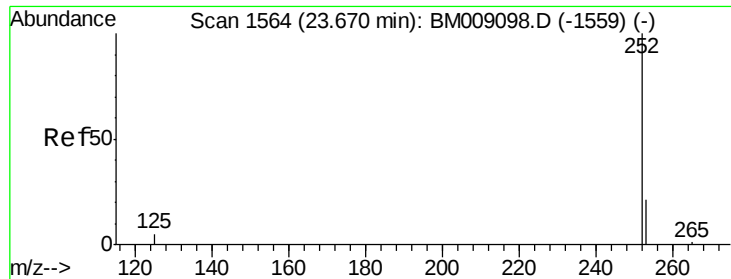


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#23

Benzo(a)pyrene

Concen: 0.42 ng/ul

RT: 23.67 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM009104.D

Acq: 07 Mar 2017 20:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.447

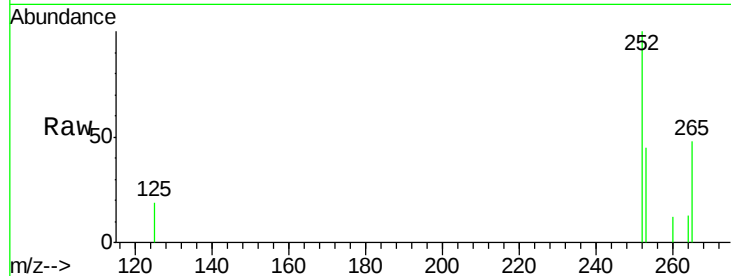
Tgt Ion:252 Resp: 726

Ion Ratio Lower Upper

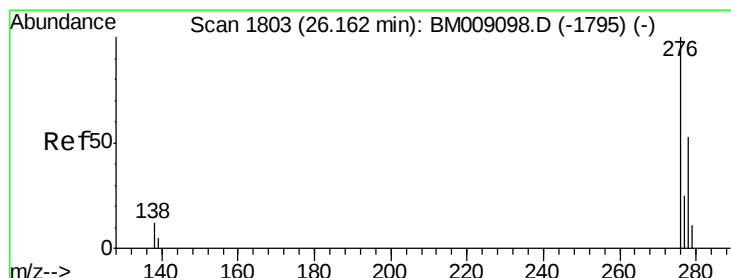
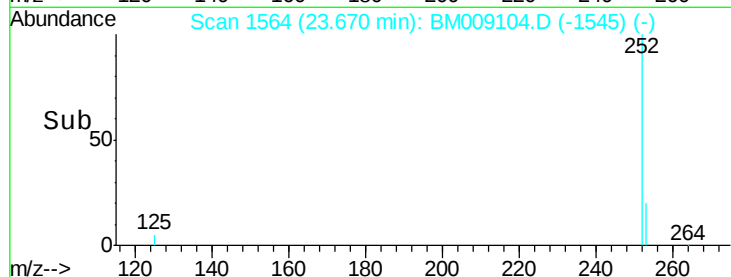
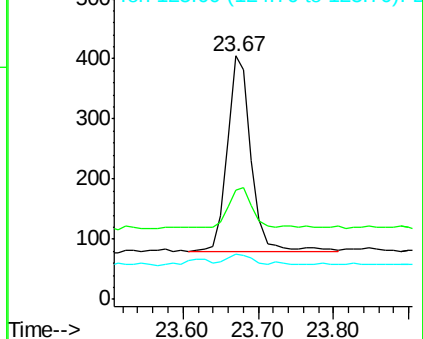
252 100

253 44.9 28.5 42.7#

125 18.5 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: 0.39 ng/ul

RT: 26.16 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BM009104.D

Acq: 07 Mar 2017 20:04

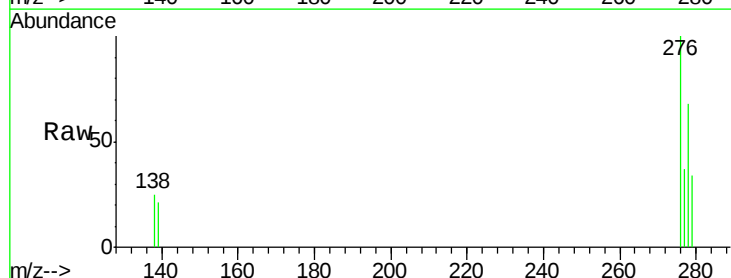
Tgt Ion:276 Resp: 860

Ion Ratio Lower Upper

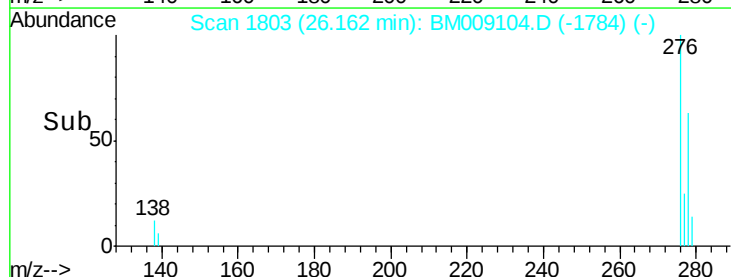
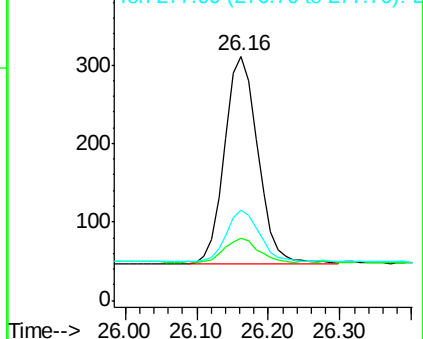
276 100

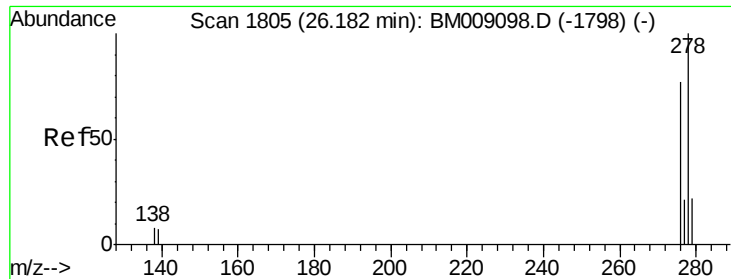
138 11.7 19.1 28.7#

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



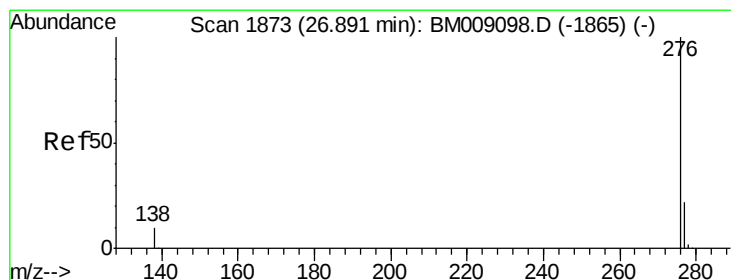
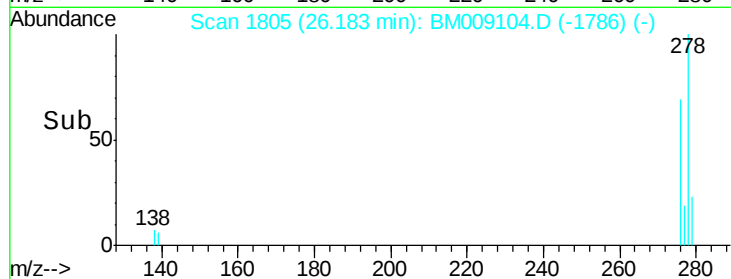
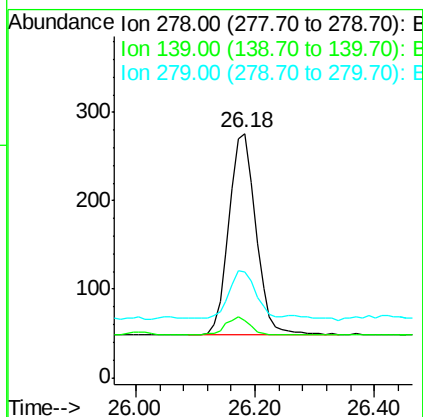
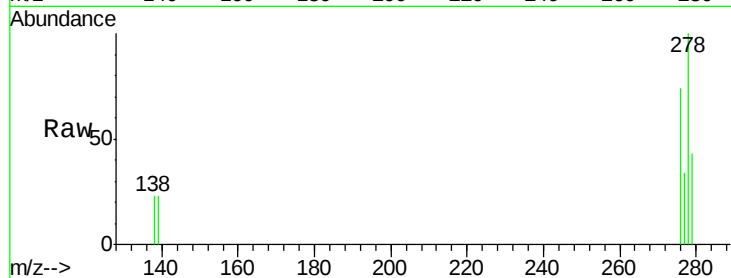


#25
Dibenzo(a,h)anthracene
Concen: 0.39 ng/ul
RT: 26.18 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BM009104.D
Acq: 07 Mar 2017 20:04

Instrument :
BNA_M
ClientSampleId :
SSTD0.447

Tgt Ion: 278 Resp: 717

Ion	Ratio	Lower	Upper
278	100		
139	23.2	17.4	26.0
279	43.5	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.39 ng/ul
RT: 26.89 min Scan# 1873
Delta R.T. 0.00 min
Lab File: BM009104.D
Acq: 07 Mar 2017 20:04

Tgt Ion: 276 Resp: 731

Ion	Ratio	Lower	Upper
276	100		
277	36.4	21.8	32.8#
138	26.1	20.5	30.7

