

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111815\
 Data File : BM003184.D
 Acq On : 19 Nov 2015 05:47
 Operator : UM/IZ
 Sample : G4323-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HW2

Quant Time: Nov 19 07:17:17 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 19 03:20:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	25285	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	98707	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	57718	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	4742770	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	169482	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	169568	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	102010	3.78	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	27883	0.21	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	48921	0.00	ng/ul	0.00

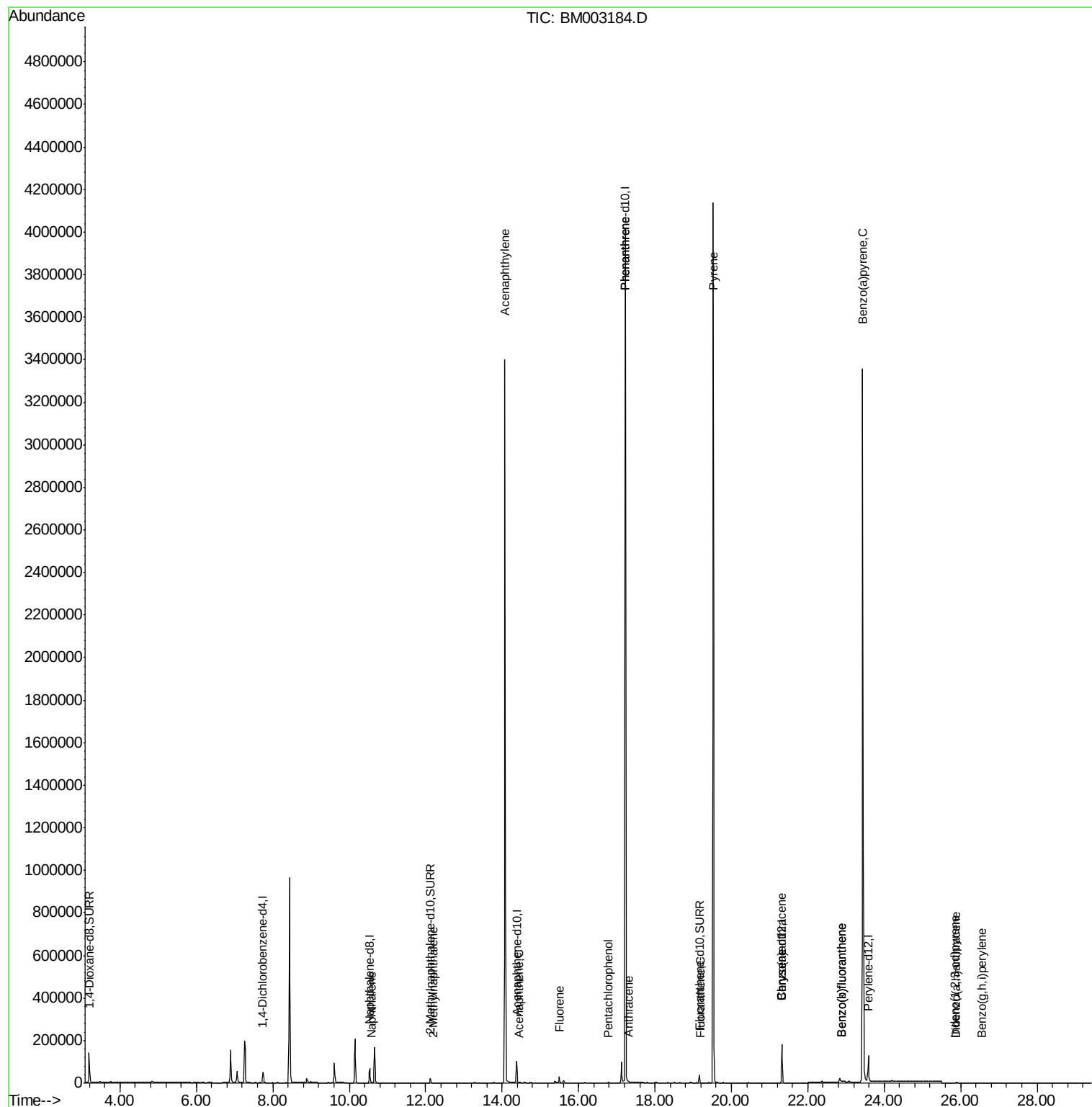
Target Compounds				Qvalue		
5) Naphthalene	10.58	128	3197	0.01	ng/ul#	86
7) 2-Methylnaphthalene	12.19	142	409	0.00	ng/ul#	100
9) Acenaphthylene	14.07	152	382	0.00	ng/ul#	1
10) Acenaphthene	14.45	153	355	0.00	ng/ul#	79
11) Fluorene	15.49	166	446	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	1023	0.00	ng/ul#	14
14) Phenanthrene	17.23	178	2049	0.00	ng/ul#	1
15) Anthracene	17.31	178	181	0.00	ng/ul#	1
17) Fluoranthene	19.19	202	1119	0.00	ng/ul#	50
19) Pyrene	19.53	202	7871	0.01	ng/ul#	1
20) Benzo(a)anthracene	21.32	228	871	0.00	ng/ul#	67
21) Chrysene	21.32	228	871	0.00	ng/ul#	72
23) Benzo(b)fluoranthene	22.90	252	642	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.90	252	681	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	17373	0.03	ng/ul#	68
26) Indeno(1,2,3-cd)pyrene	25.86	276	248	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.87	278	445	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.56	276	213	0.00	ng/ul#	1

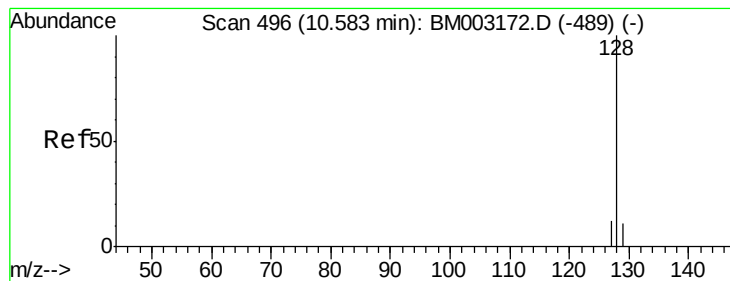
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

Instrument :

BNA_M

ClientSampleId :

A4HW2

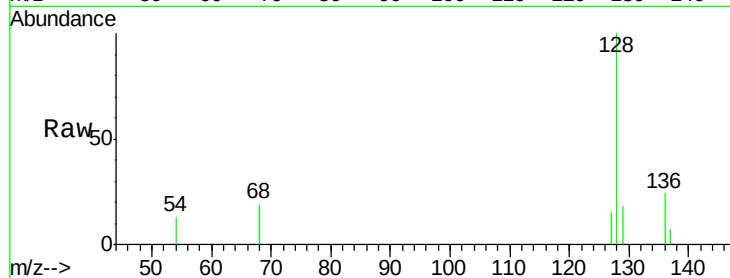
Tgt Ion:128 Resp: 3197

Ion Ratio Lower Upper

128 100

129 18.5 9.0 13.6#

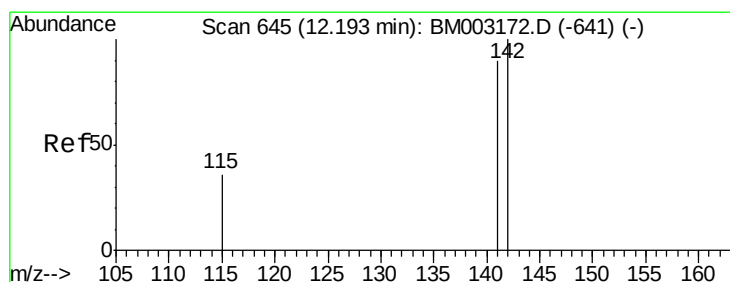
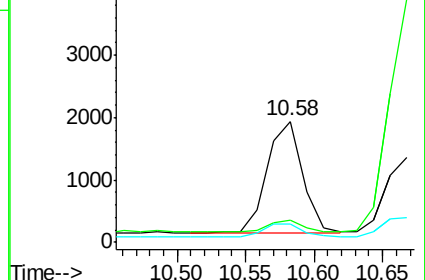
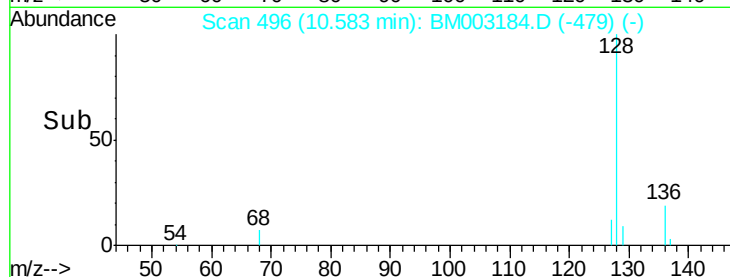
127 15.3 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003184.D

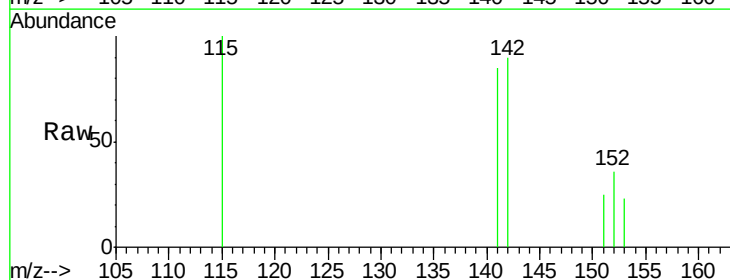
Acq: 19 Nov 2015 05:47

Tgt Ion:142 Resp: 409

Ion Ratio Lower Upper

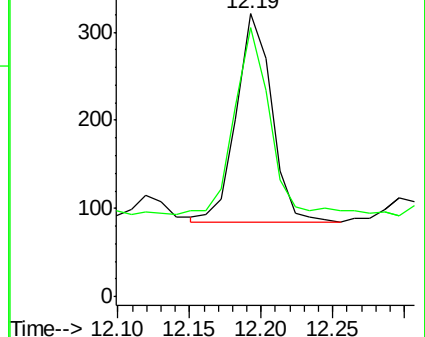
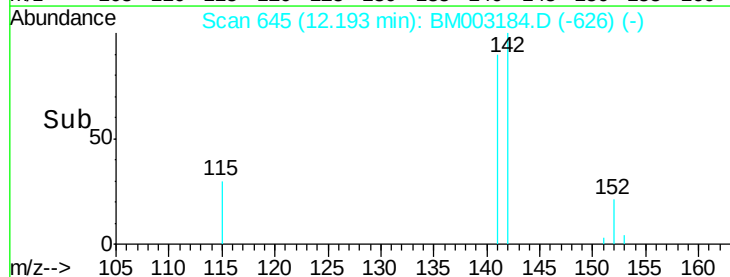
142 100

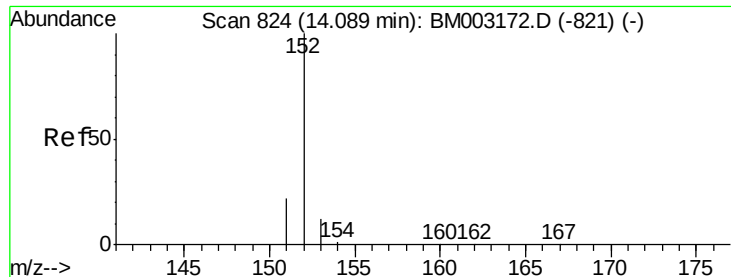
141 91.9 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.07 min Scan# 823

Delta R.T. -0.02 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

Instrument :

BNA_M

ClientSampleId :

A4HW2

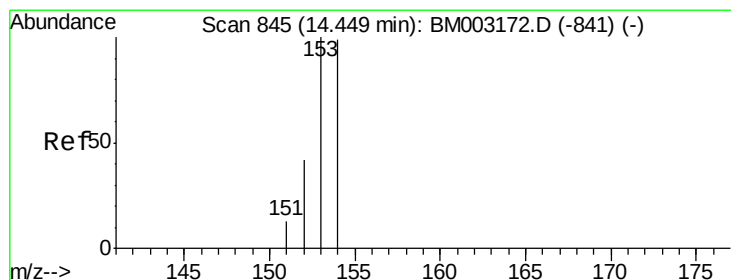
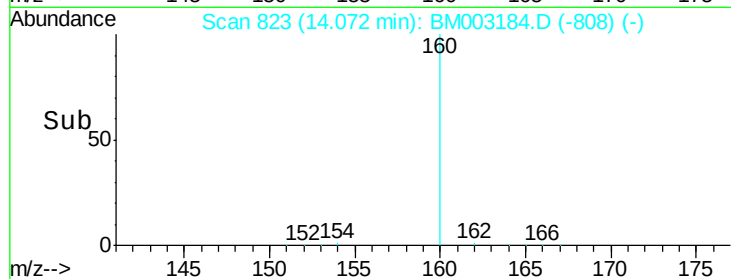
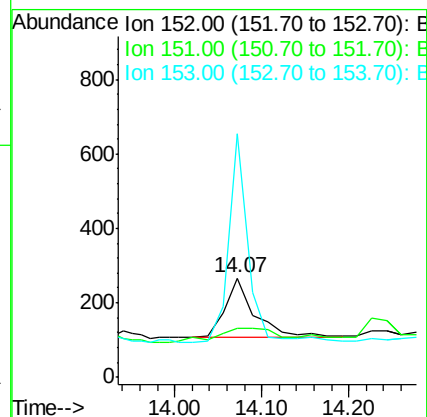
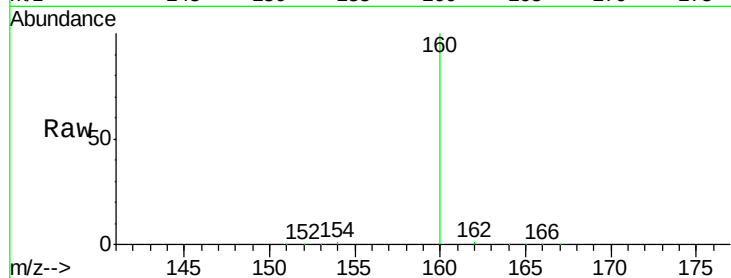
Tgt Ion:152 Resp: 382

Ion Ratio Lower Upper

152 100

151 49.2 17.6 26.4#

153 245.9 9.7 14.5#



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

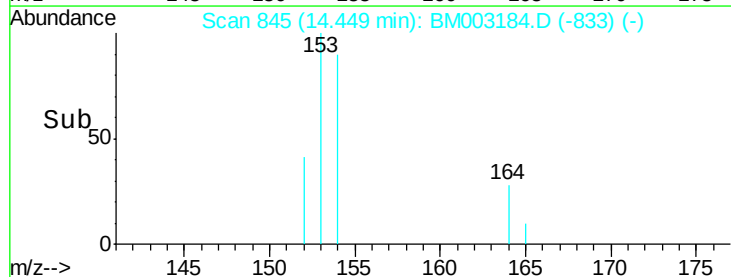
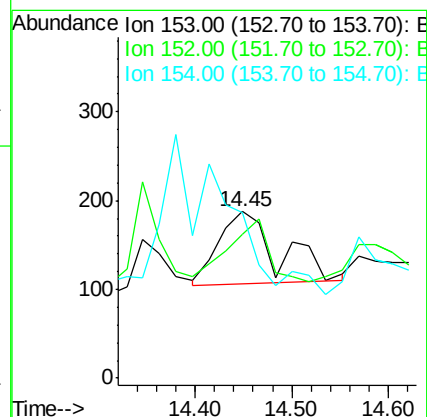
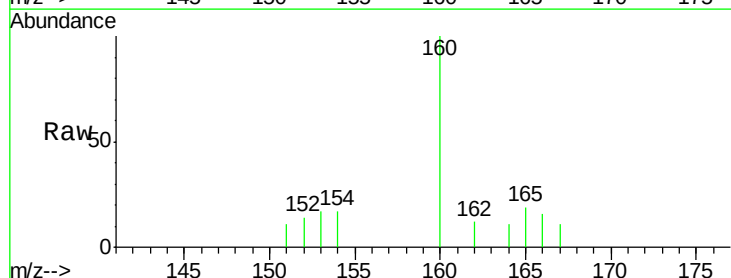
Tgt Ion:153 Resp: 355

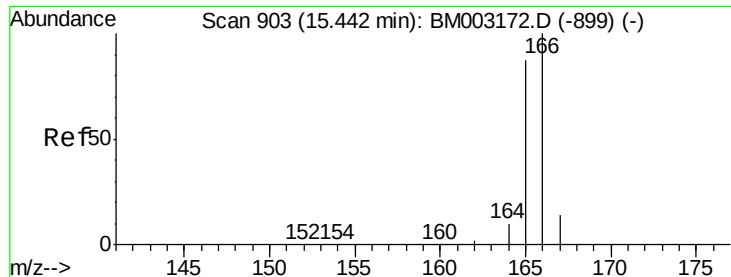
Ion Ratio Lower Upper

153 100

152 86.2 33.9 50.9#

154 99.5 80.6 121.0

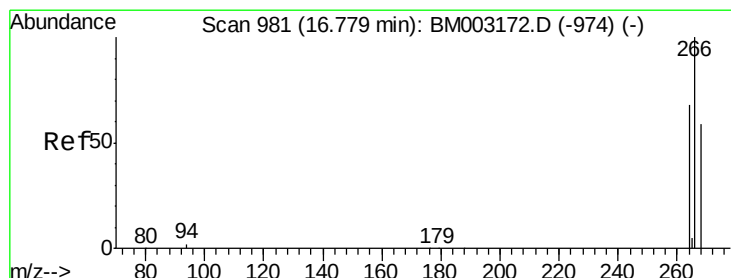
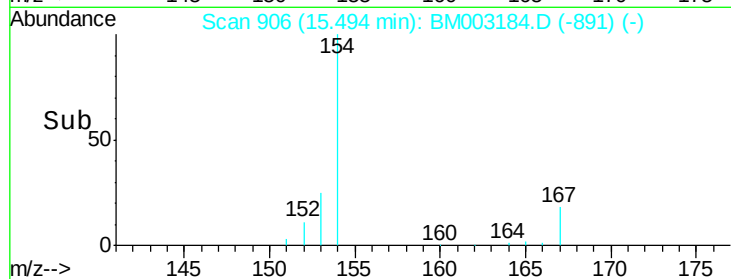
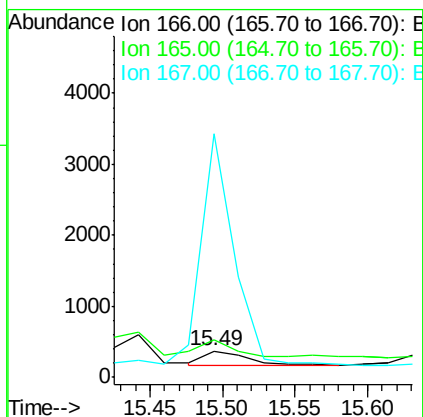
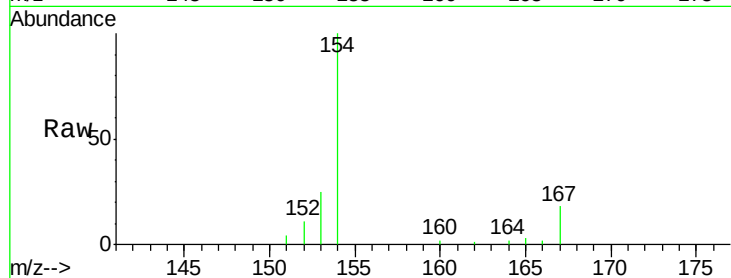




#11
 Fluorene
 Concen: 0.00 ng/ul
 RT: 15.49 min Scan# 906
 Delta R.T. 0.05 min
 Lab File: BM003184.D
 Acq: 19 Nov 2015 05:47

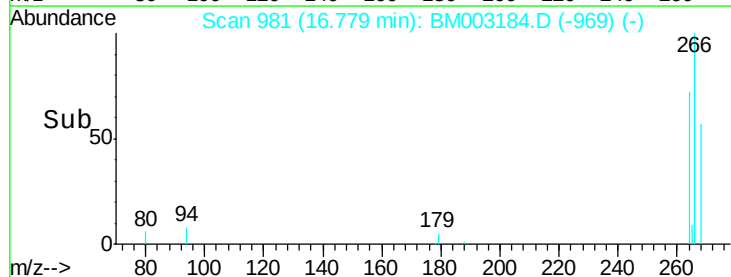
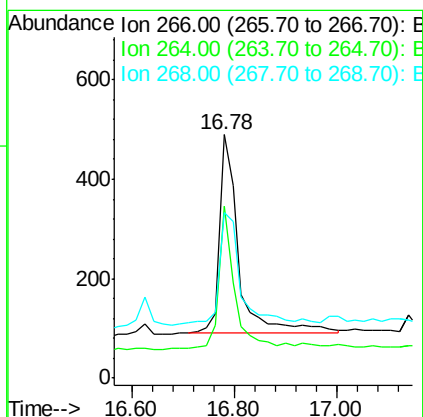
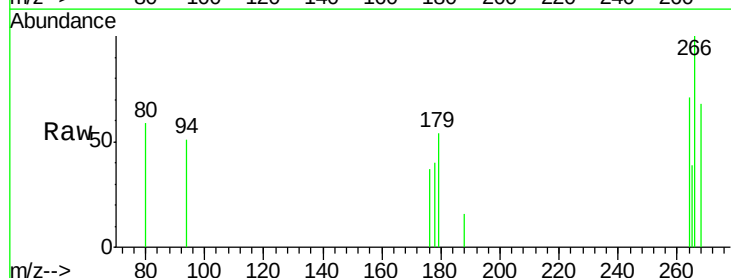
Instrument :
 BNA_M
 ClientSampleId :
 A4HW2

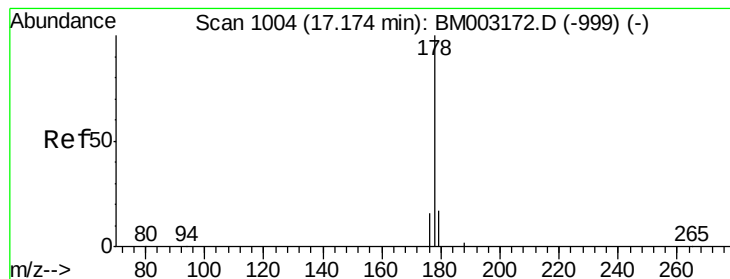
Tgt Ion:166 Resp: 446
 Ion Ratio Lower Upper
 166 100
 165 141.4 69.6 104.4#
 167 921.8 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003184.D
 Acq: 19 Nov 2015 05:47

Tgt Ion:266 Resp: 1023
 Ion Ratio Lower Upper
 266 100
 264 64.9 0.3 0.5#
 268 59.8 0.0 0.0#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. 0.05 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

Instrument :

BNA_M

ClientSampleId :

A4HW2

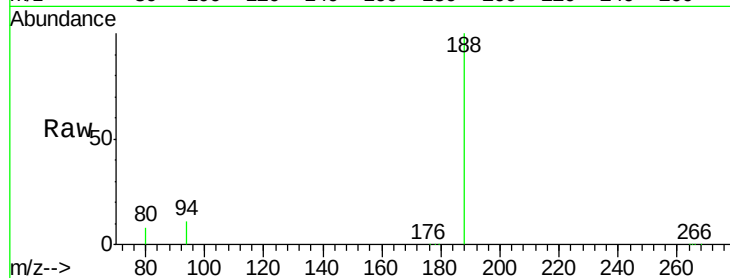
Tgt Ion:178 Resp: 2049

Ion Ratio Lower Upper

178 100

176 12.8 13.0 19.4#

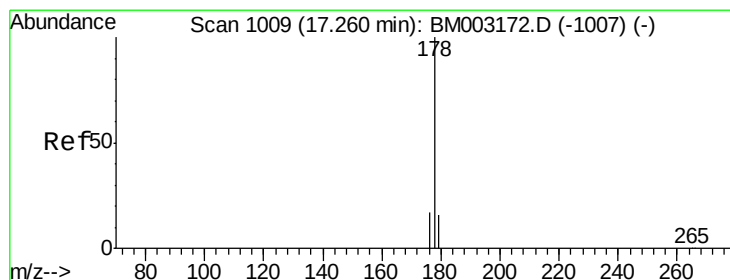
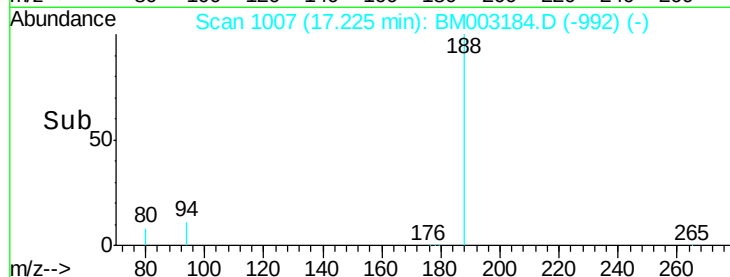
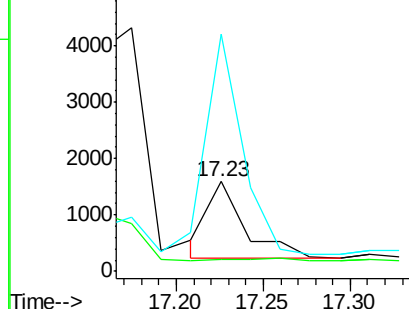
179 264.6 14.2 21.2#



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

Anthracene

Concen: 0.00 ng/ul

RT: 17.31 min Scan# 1012

Delta R.T. 0.05 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

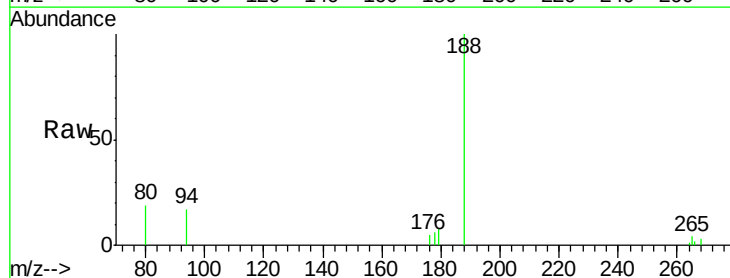
Tgt Ion:178 Resp: 181

Ion Ratio Lower Upper

178 100

176 71.5 14.0 21.0#

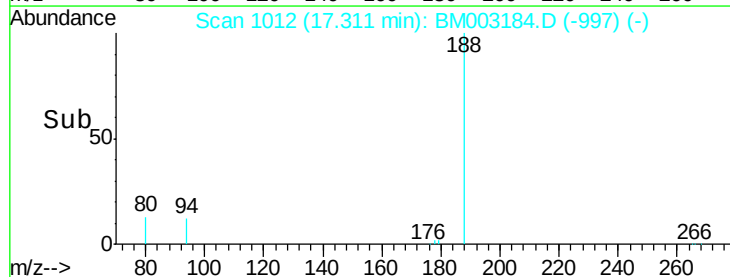
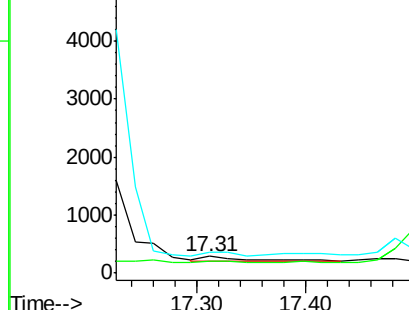
179 127.5 12.9 19.3#

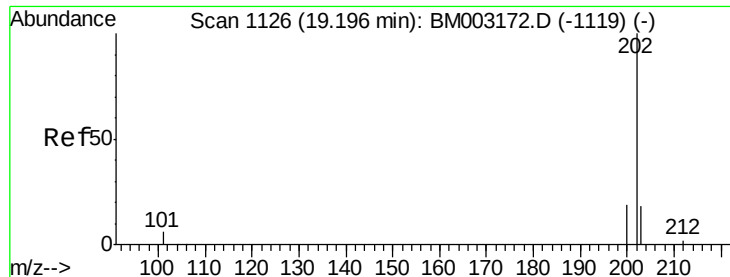


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

Instrument :

BNA_M

ClientSampleId :

A4HW2

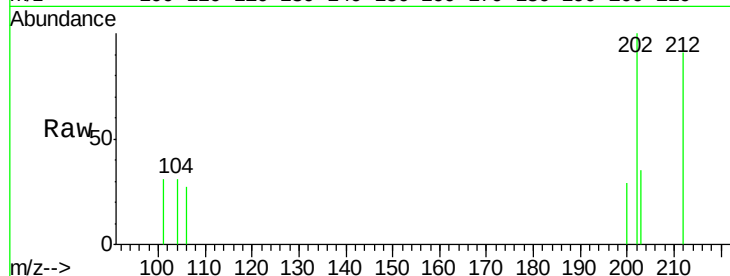
Tgt Ion:202 Resp: 1119

Ion Ratio Lower Upper

202 100

101 31.5 0.0 29.6#

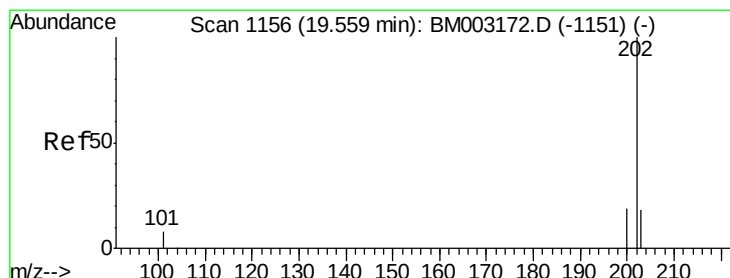
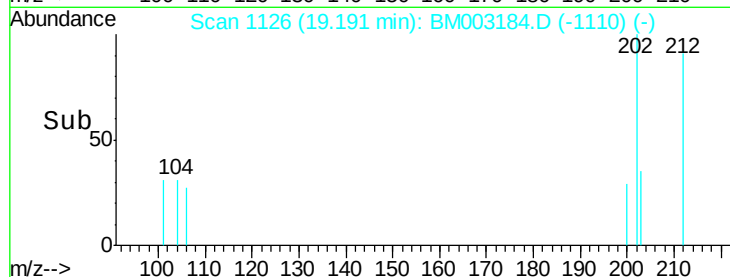
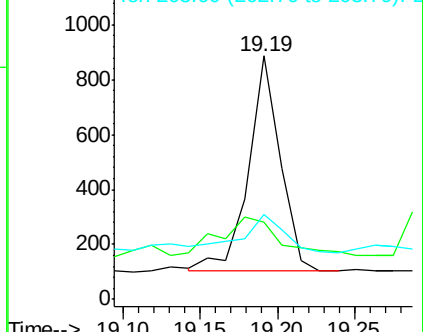
203 35.1 0.0 36.3



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

Pyrene

Concen: 0.01 ng/ul

RT: 19.53 min Scan# 1154

Delta R.T. -0.03 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

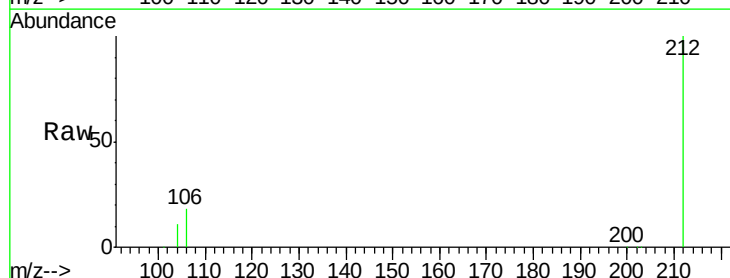
Tgt Ion:202 Resp: 7871

Ion Ratio Lower Upper

202 100

200 4.1 17.8 26.8#

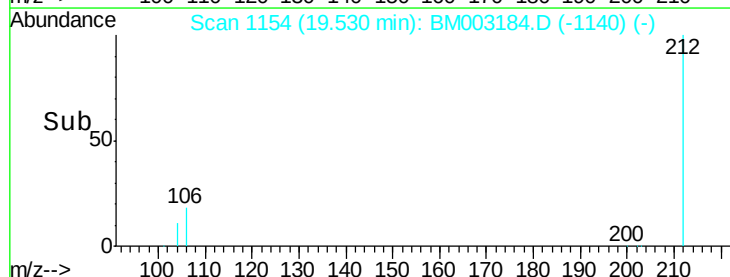
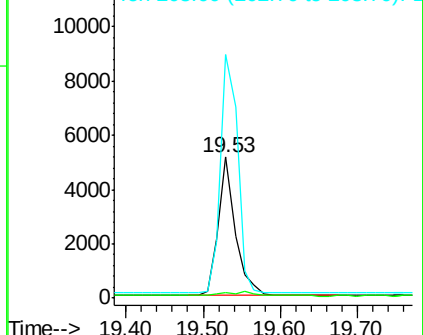
203 172.6 12.8 19.2#

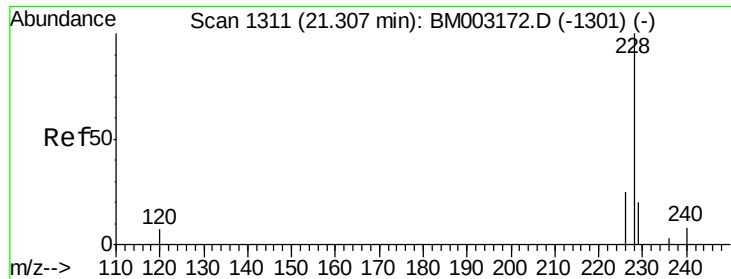


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.32 min Scan# 1313

Delta R.T. 0.02 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

Instrument :

BNA_M

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A4HW2

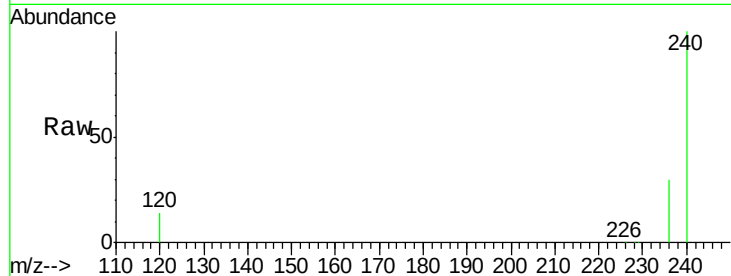
Tgt Ion:228 Resp: 871

Ion Ratio Lower Upper

228 100

226 29.4 18.8 28.2#

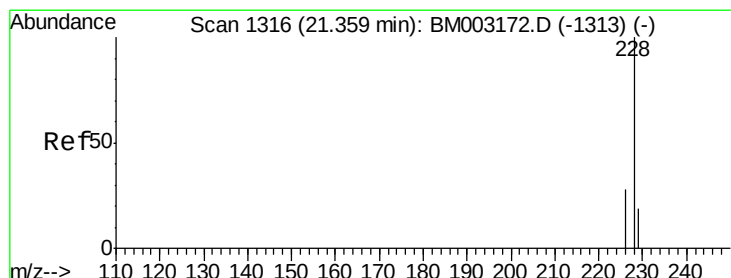
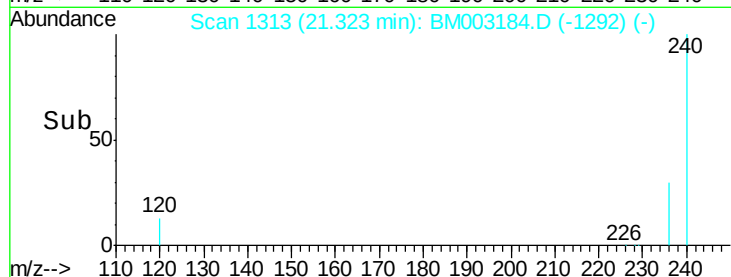
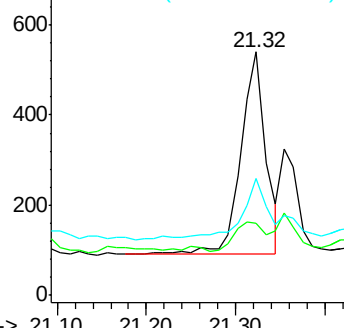
229 48.0 17.1 25.7#



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

Chrysene

Concen: 0.00 ng/ul

RT: 21.32 min Scan# 1313

Delta R.T. -0.04 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

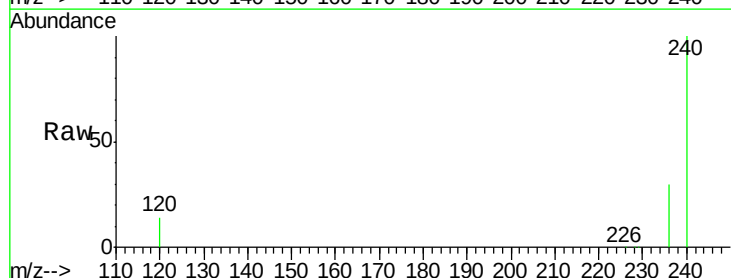
Tgt Ion:228 Resp: 871

Ion Ratio Lower Upper

228 100

226 29.4 21.2 31.8

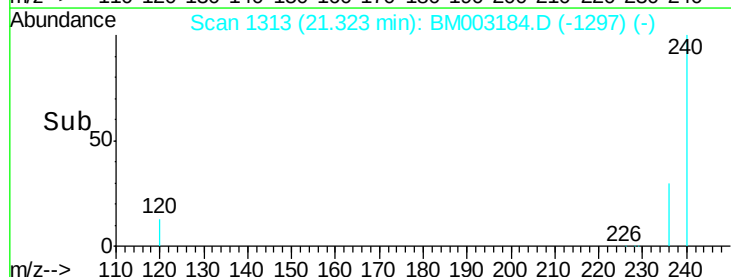
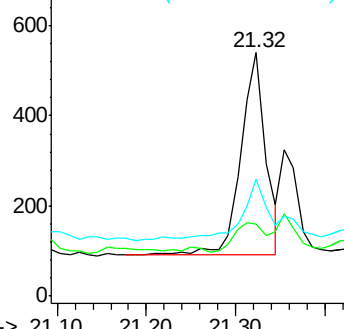
229 48.0 17.0 25.6#

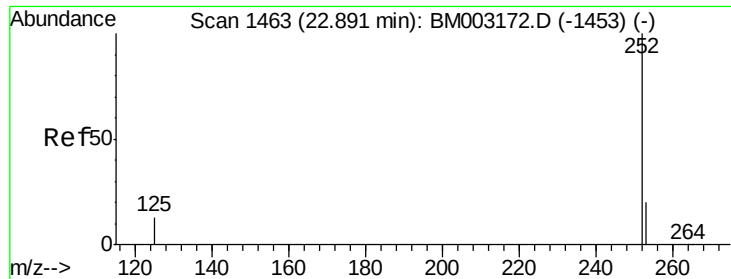


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. 0.01 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

Instrument :

BNA_M

ClientSampleId :

A4HW2

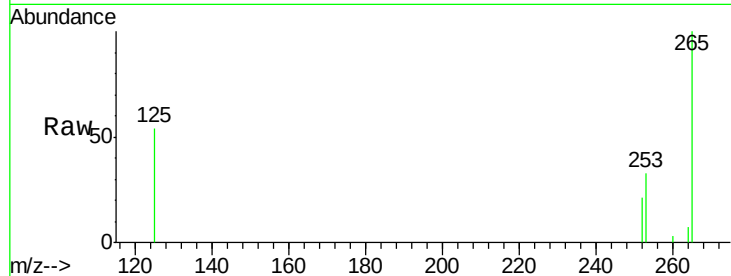
Tgt Ion:252 Resp: 642

Ion Ratio Lower Upper

252 100

253 161.6 0.0 45.4#

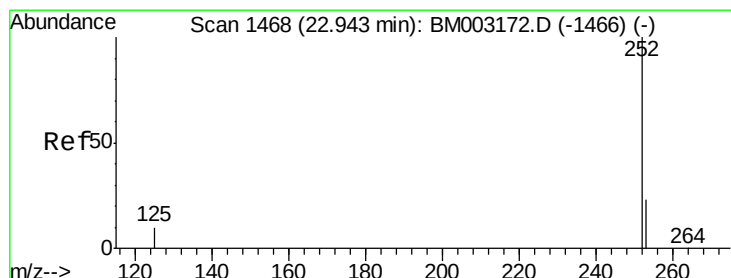
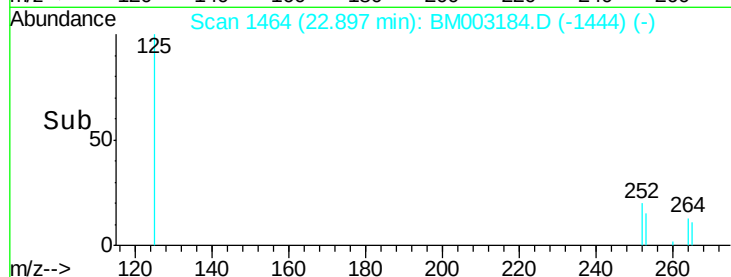
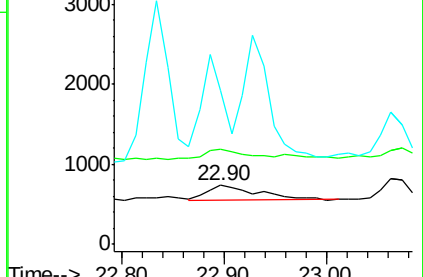
125 260.8 0.0 28.8#



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

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

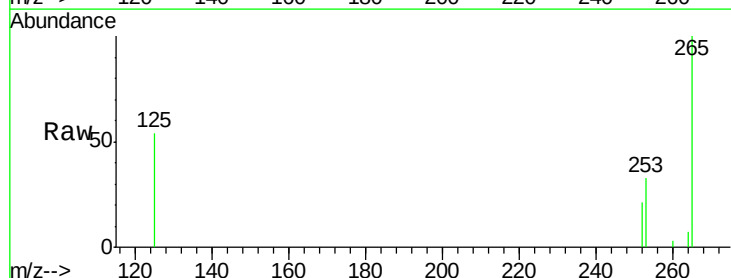
Tgt Ion:252 Resp: 681

Ion Ratio Lower Upper

252 100

253 161.6 19.8 29.8#

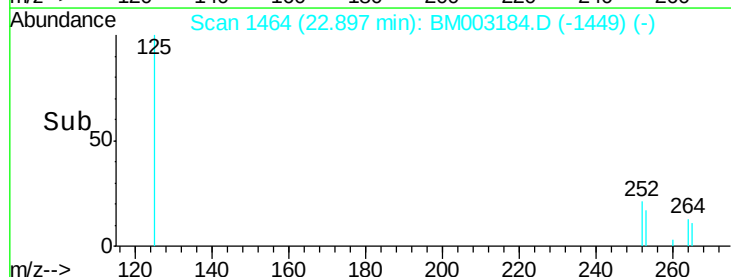
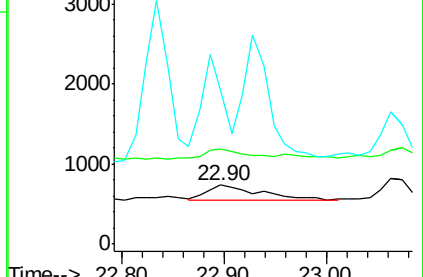
125 260.8 10.4 15.6#

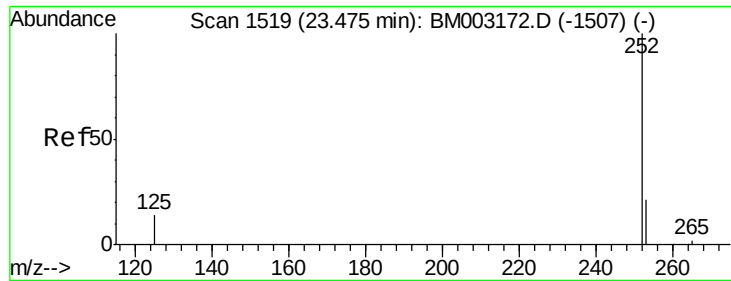


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.44 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

Instrument :

BNA_M

ClientSampleId :

A4HW2

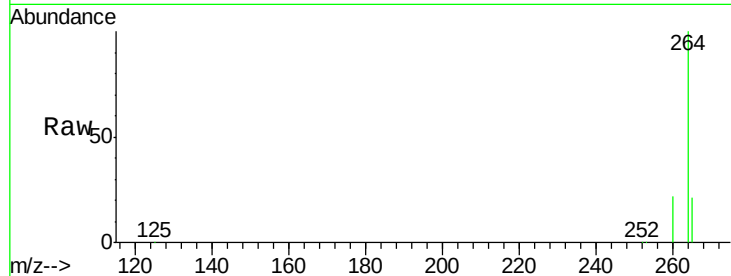
Tgt Ion: 252 Resp: 17373

Ion Ratio Lower Upper

252 100

253 37.1 19.4 29.2#

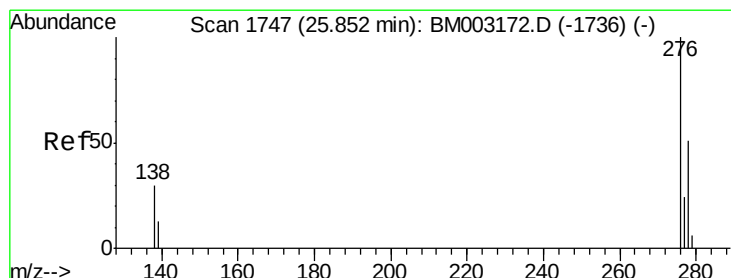
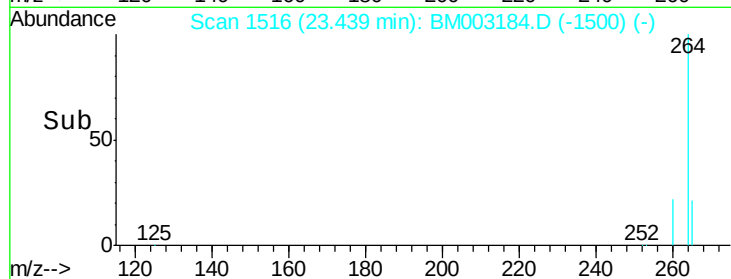
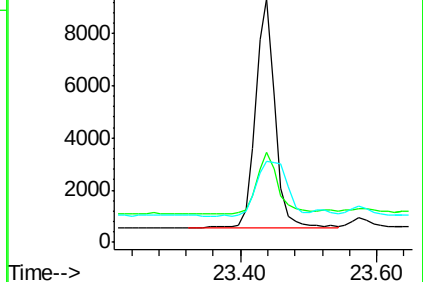
125 33.2 12.7 19.1#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. 0.01 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

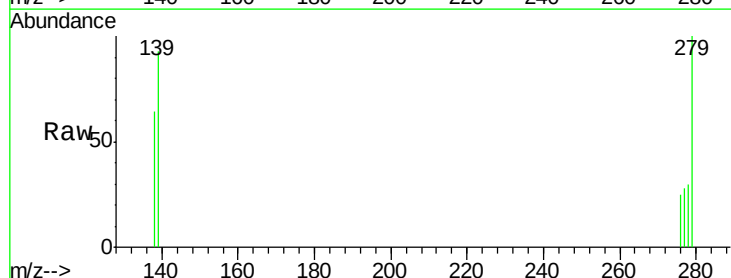
Tgt Ion: 276 Resp: 248

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

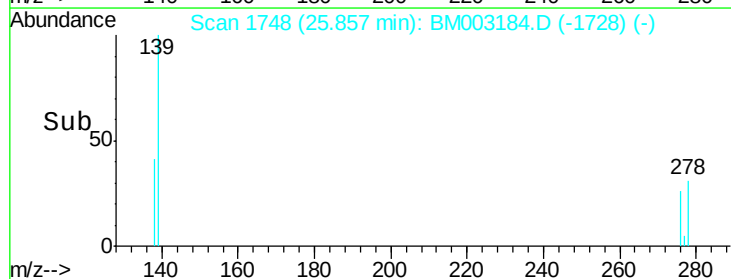
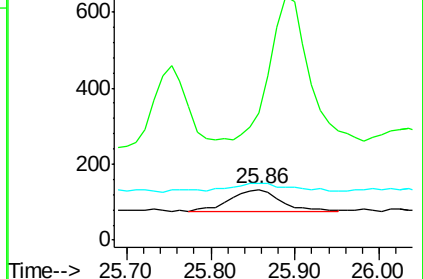
277 41.1 0.0 0.0#

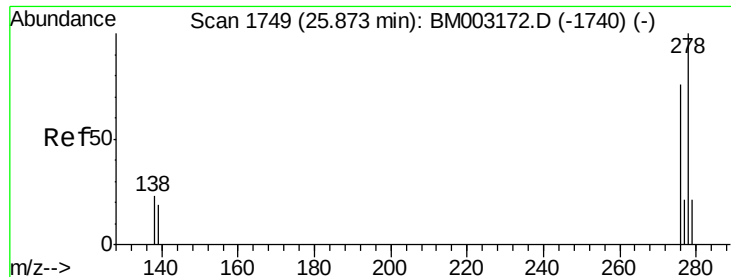


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

Instrument :

BNA_M

ClientSampleId :

A4HW2

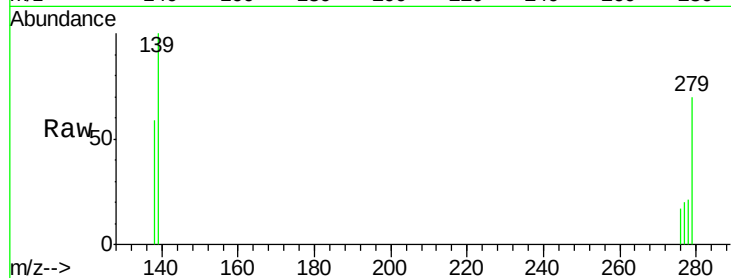
Tgt Ion: 278 Resp: 445

Ion Ratio Lower Upper

278 100

139 473.1 16.4 24.6#

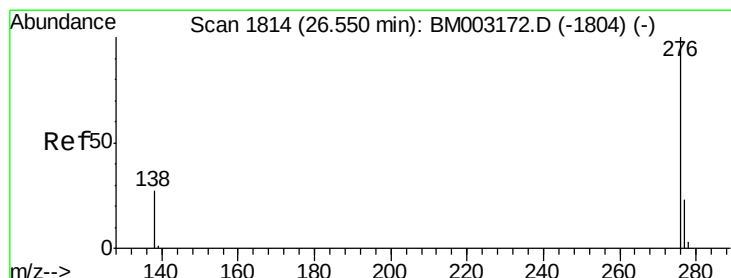
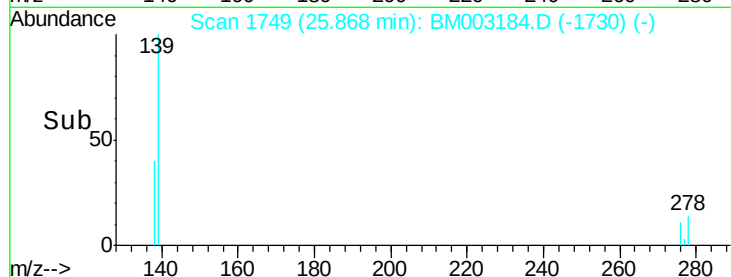
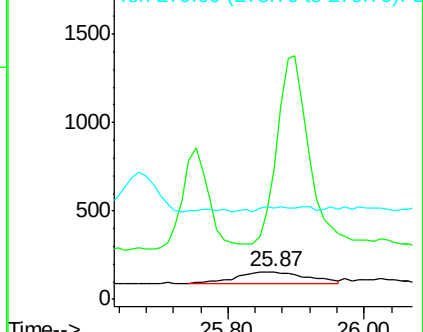
279 332.7 20.2 30.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.56 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BM003184.D

Acq: 19 Nov 2015 05:47

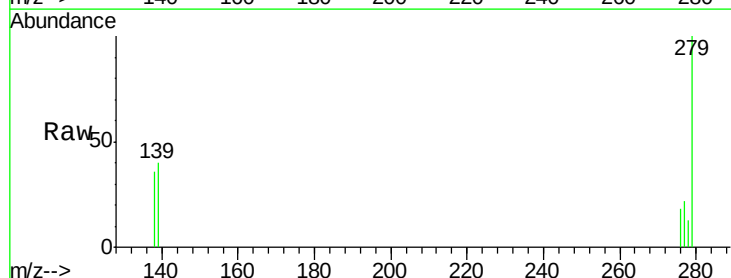
Tgt Ion: 276 Resp: 213

Ion Ratio Lower Upper

276 100

277 119.1 18.9 28.3#

138 199.2 22.5 33.7#



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

