

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111815\
 Data File : BM003179.D
 Acq On : 19 Nov 2015 02:36
 Operator : UM/IZ
 Sample : G4323-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT7

Quant Time: Nov 19 03:58:56 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	29482	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	118957	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	70877	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	158527	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	219007	0.40	ng/ul	0.00
22) Perylene-d12	23.57	264	209435	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	105965	3.36	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	30519	0.19	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	63328	0.16	ng/ul	0.00

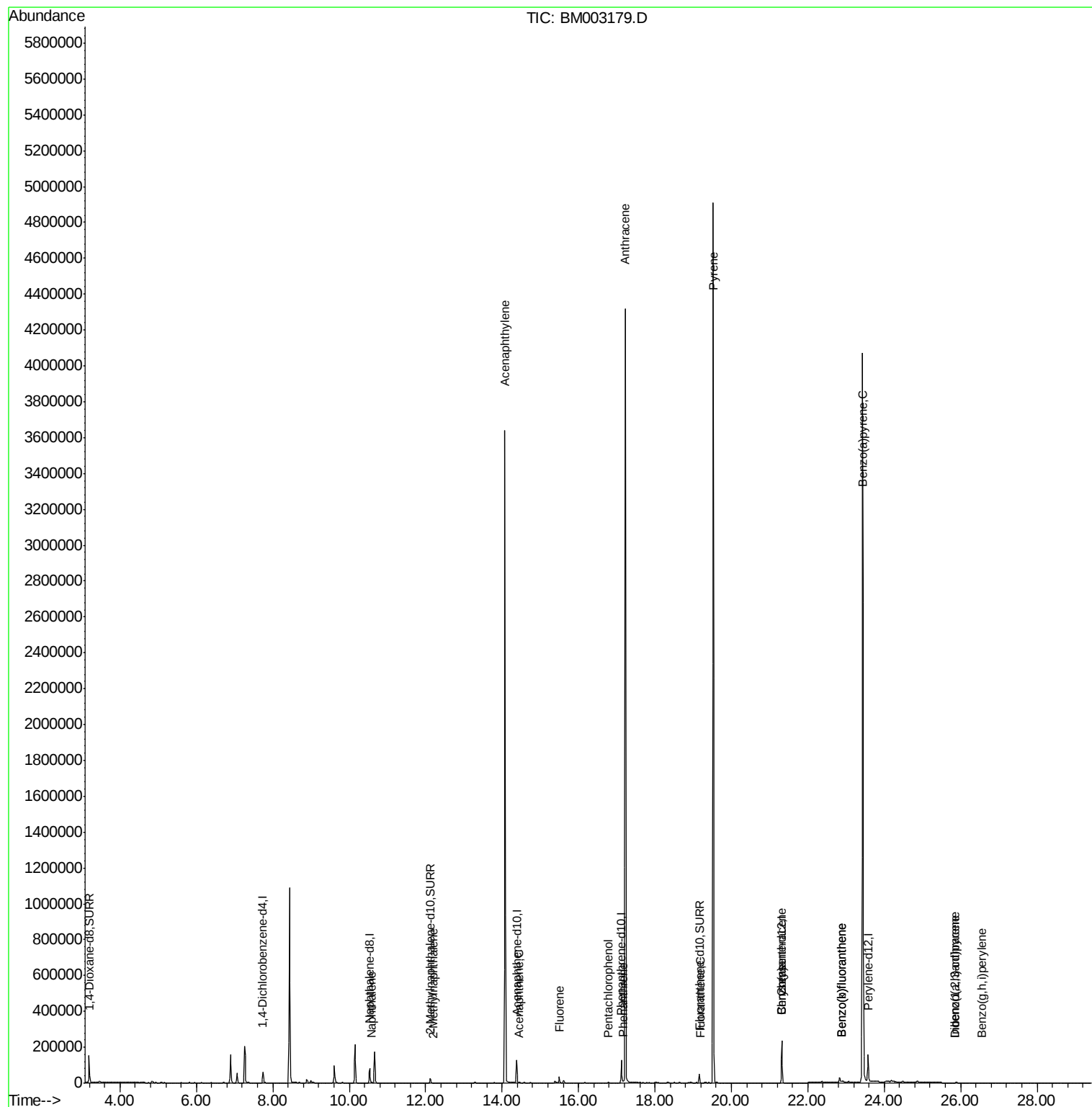
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	5625	0.02	ng/ul#	91
7) 2-Methylnaphthalene	12.19	142	353	0.00	ng/ul#	100
9) Acenaphthylene	14.07	152	428	0.00	ng/ul#	1
10) Acenaphthene	14.45	153	319	0.00	ng/ul#	78
11) Fluorene	15.49	166	497	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	1585	0.04	ng/ul#	13
14) Phenanthrene	17.16	178	11735	0.03	ng/ul#	90
15) Anthracene	17.23	178	2616	0.01	ng/ul#	1
17) Fluoranthene	19.19	202	2504	0.00	ng/ul#	61
19) Pyrene	19.53	202	10494	0.01	ng/ul#	1
20) Benzo(a)anthracene	21.31	228	1249	0.00	ng/ul#	71
21) Chrysene	21.31	228	1249	0.00	ng/ul#	75
23) Benzo(b)fluoranthene	22.89	252	986	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.89	252	986	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.43	252	20834	0.03	ng/ul#	73
26) Indeno(1,2,3-cd)pyrene	25.85	276	415	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.85	278	593	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.55	276	314	0.00	ng/ul#	1

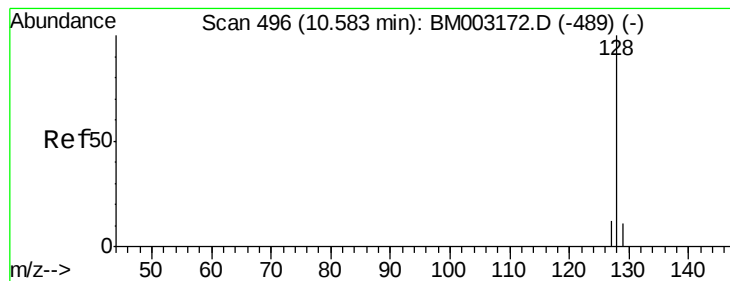
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003179.D

Acq: 19 Nov 2015 02:36

Instrument :

BNA_M

ClientSampleId :

A4HT7

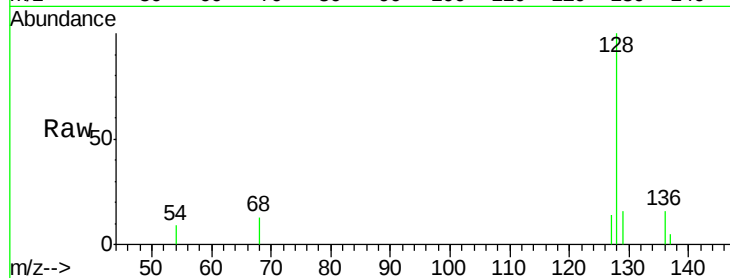
Tgt Ion:128 Resp: 5625

Ion Ratio Lower Upper

128 100

129 16.2 9.0 13.6#

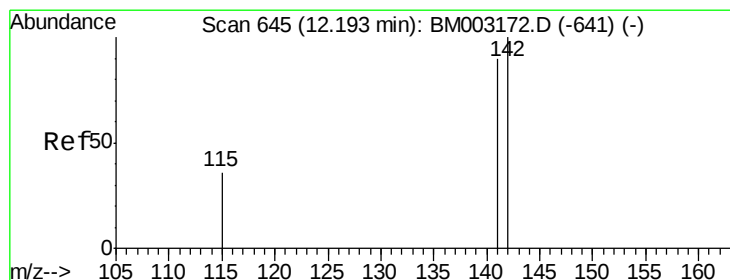
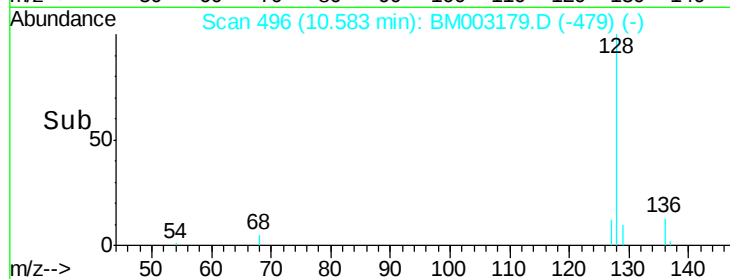
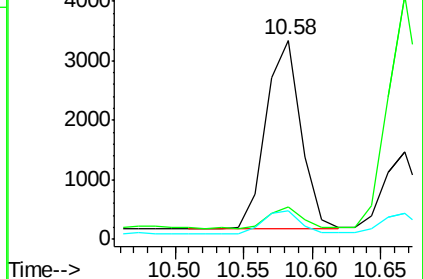
127 14.4 9.6 14.4



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: BM003179.D

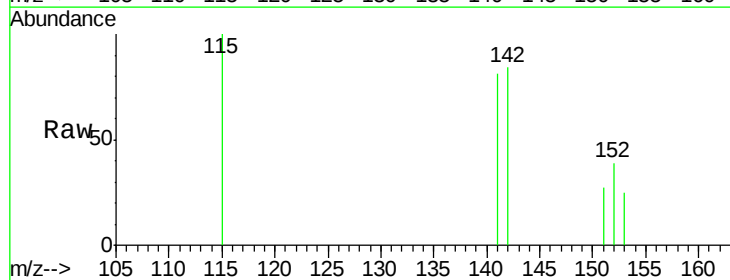
Acq: 19 Nov 2015 02:36

Tgt Ion:142 Resp: 353

Ion Ratio Lower Upper

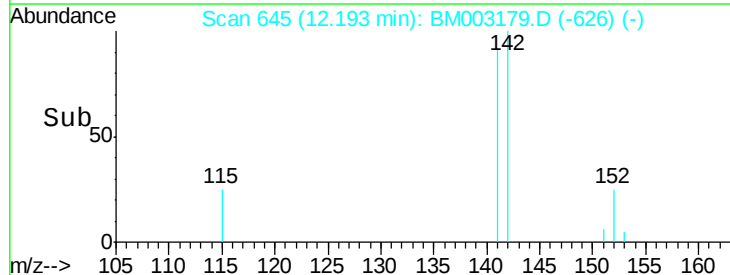
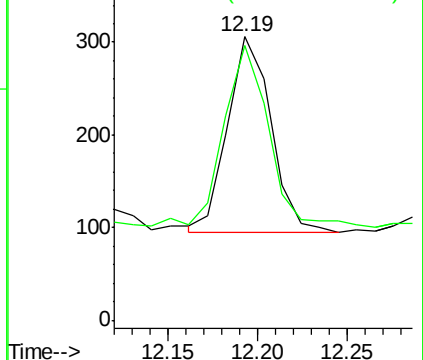
142 100

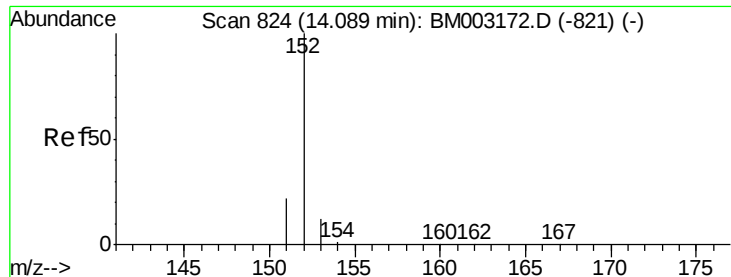
141 97.7 0.0 0.0#



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: BM003179.D

Acq: 19 Nov 2015 02:36

Instrument :

BNA_M

ClientSampleId :

A4HT7

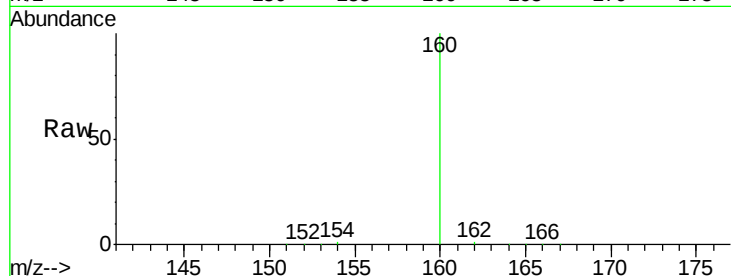
Tgt Ion:152 Resp: 428

Ion Ratio Lower Upper

152 100

151 48.2 17.6 26.4#

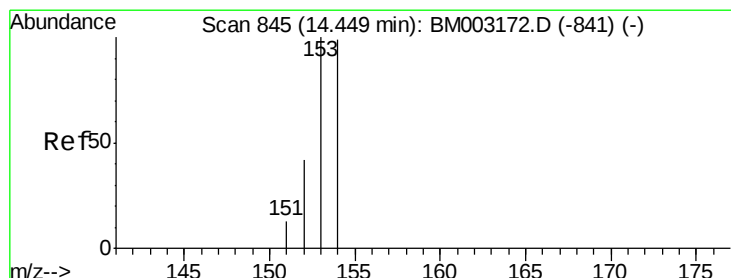
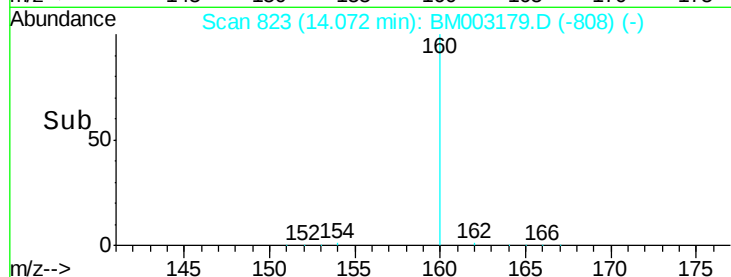
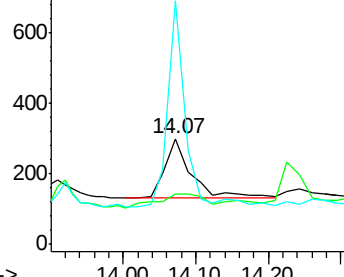
153 231.1 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003179.D

Acq: 19 Nov 2015 02:36

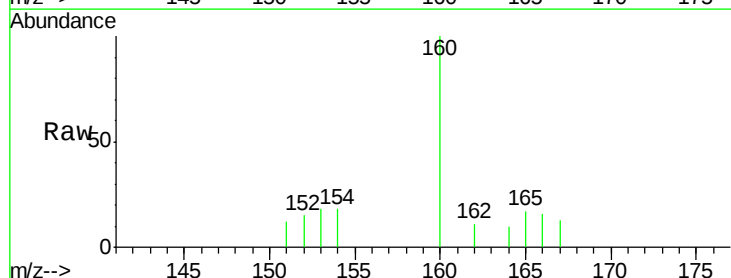
Tgt Ion:153 Resp: 319

Ion Ratio Lower Upper

153 100

152 86.8 33.9 50.9#

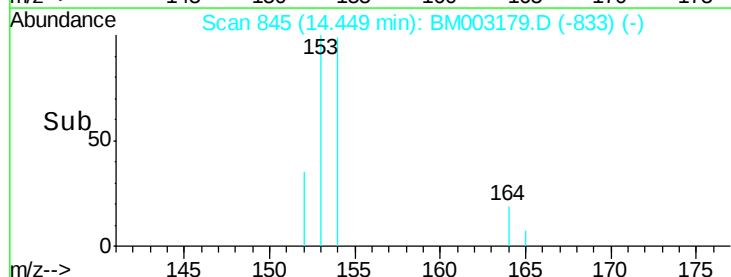
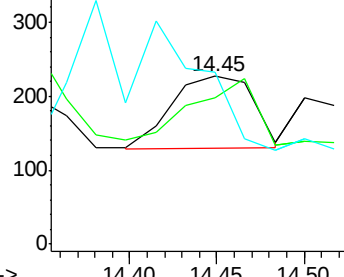
154 102.2 80.6 121.0

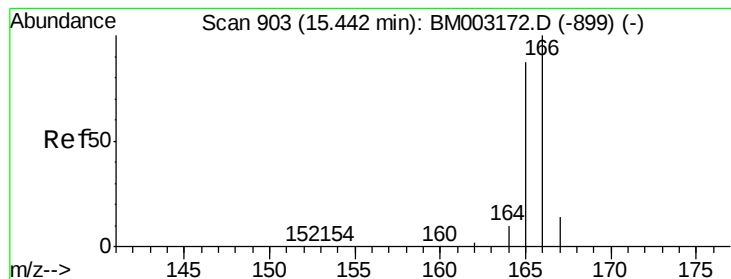


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.49 min Scan# 906

Delta R.T. 0.05 min

Lab File: BM003179.D

Acq: 19 Nov 2015 02:36

Instrument :

BNA_M

ClientSampleId :

A4HT7

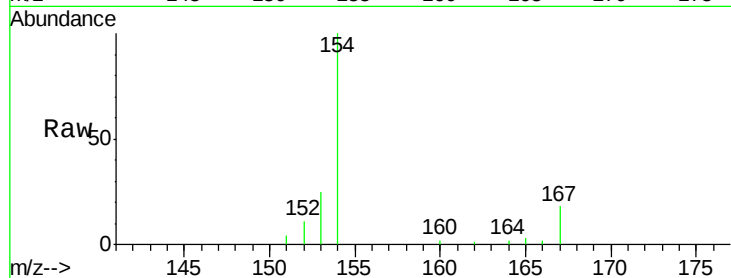
Tgt Ion:166 Resp: 497

Ion Ratio Lower Upper

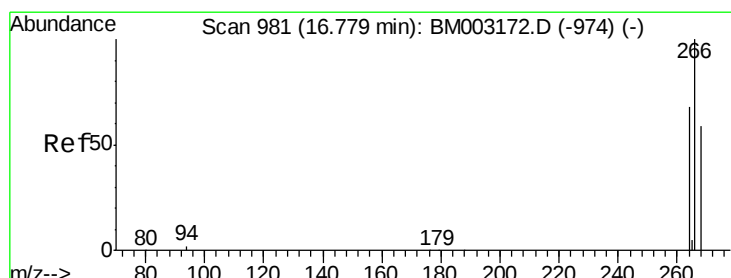
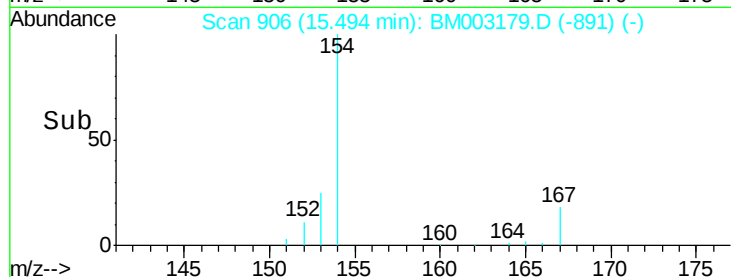
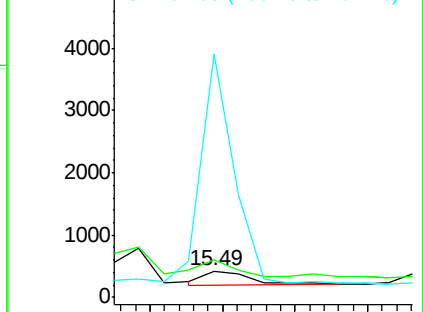
166 100

165 143.6 69.6 104.4#

167 931.2 11.9 17.9#



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



#13

Pentachlorophenol

Concen: 0.04 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003179.D

Acq: 19 Nov 2015 02:36

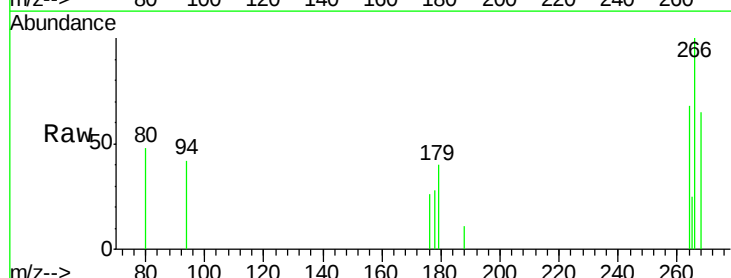
Tgt Ion:266 Resp: 1585

Ion Ratio Lower Upper

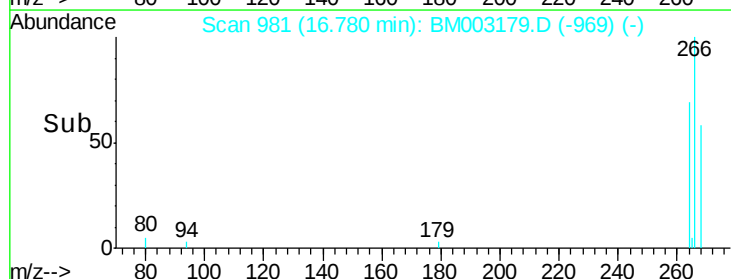
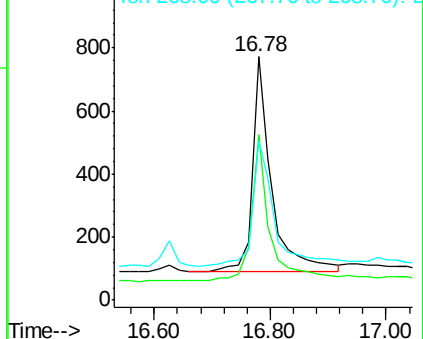
266 100

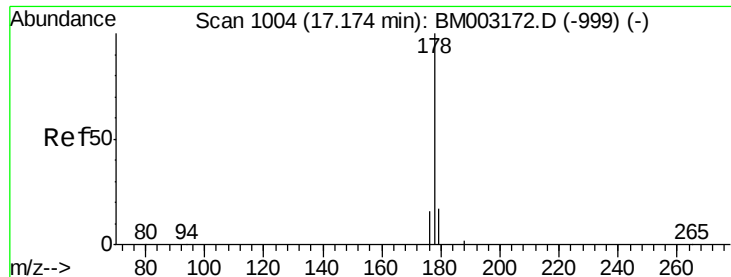
264 65.8 0.3 0.5#

268 66.8 0.0 0.0#



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





#14

Phenanthrene

Concen: 0.03 ng/ul

RT: 17.16 min Scan# 1003

Delta R.T. -0.02 min

Lab File: BM003179.D

Acq: 19 Nov 2015 02:36

Instrument :

BNA_M

ClientSampleId :

A4HT7

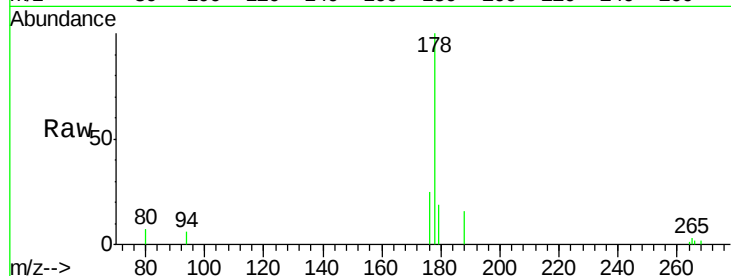
Tgt Ion:178 Resp: 11735

Ion Ratio Lower Upper

178 100

176 24.5 13.0 19.4#

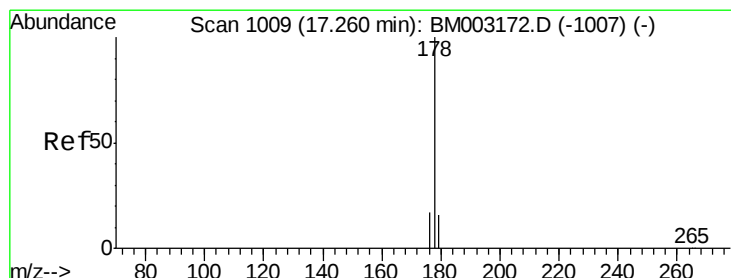
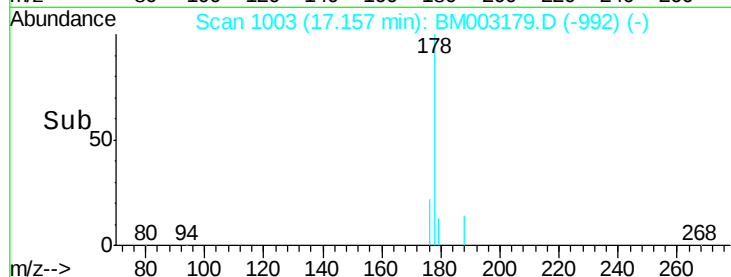
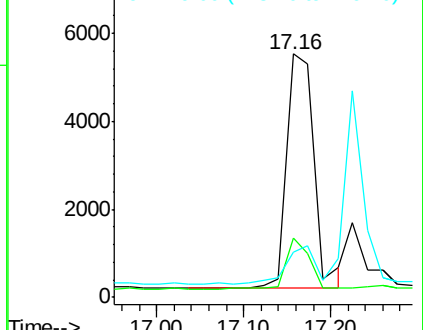
179 18.6 14.2 21.2



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: 0.01 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003179.D

Acq: 19 Nov 2015 02:36

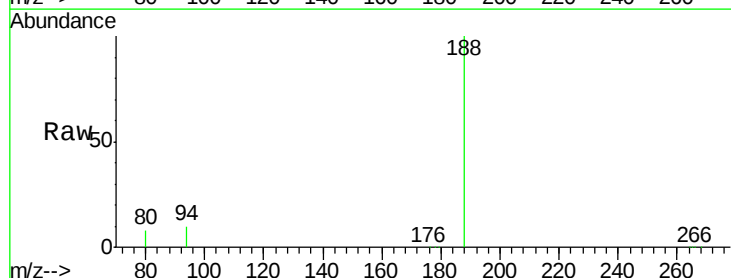
Tgt Ion:178 Resp: 2616

Ion Ratio Lower Upper

178 100

176 13.1 14.0 21.0#

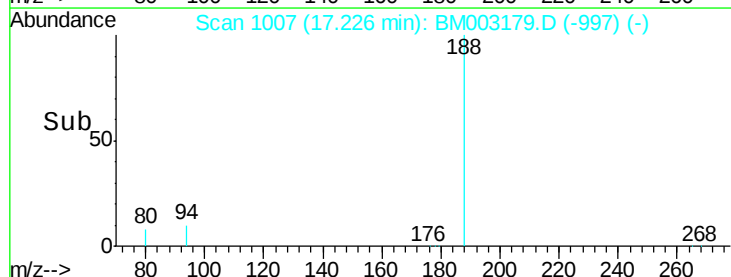
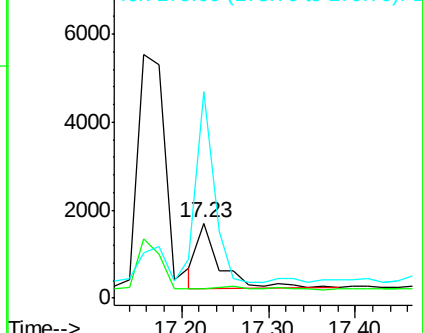
179 274.5 12.9 19.3#

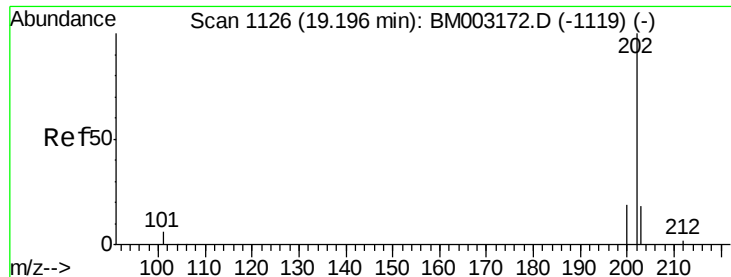


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM003179.D

Acq: 19 Nov 2015 02:36

Instrument :

BNA_M

ClientSampleId :

A4HT7

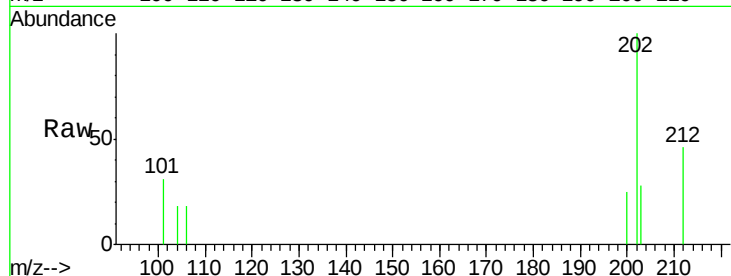
Tgt Ion:202 Resp: 2504

Ion Ratio Lower Upper

202 100

101 30.6 0.0 29.6#

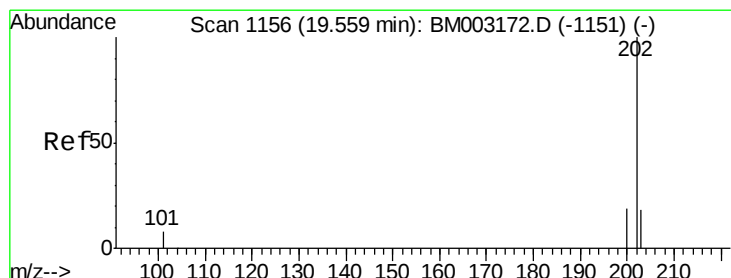
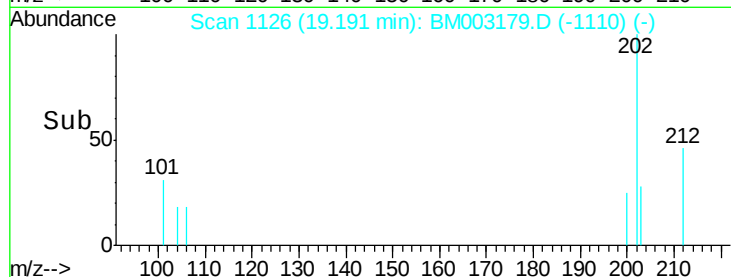
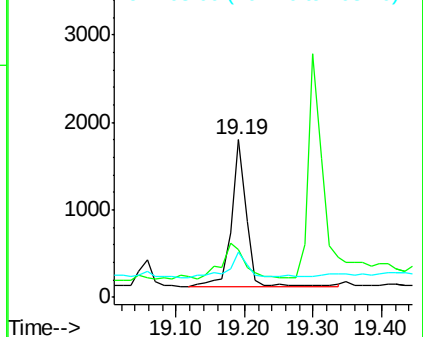
203 28.4 0.0 36.3



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: BM003179.D

Acq: 19 Nov 2015 02:36

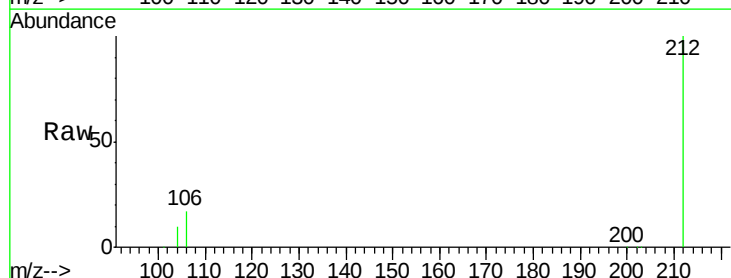
Tgt Ion:202 Resp: 10494

Ion Ratio Lower Upper

202 100

200 4.1 17.8 26.8#

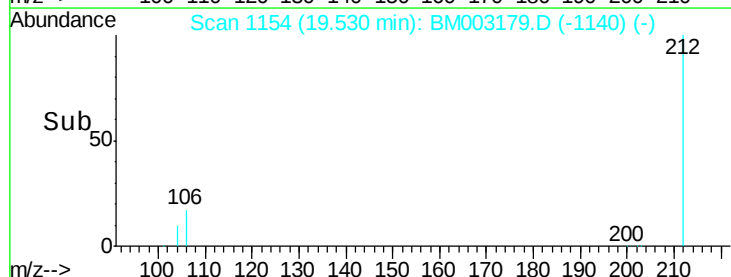
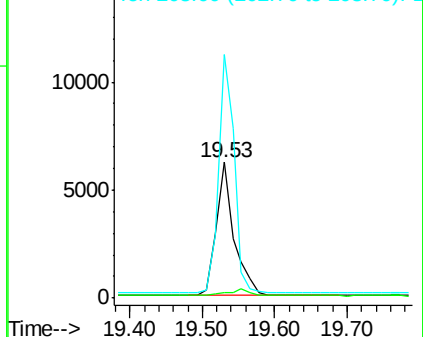
203 179.7 12.8 19.2#

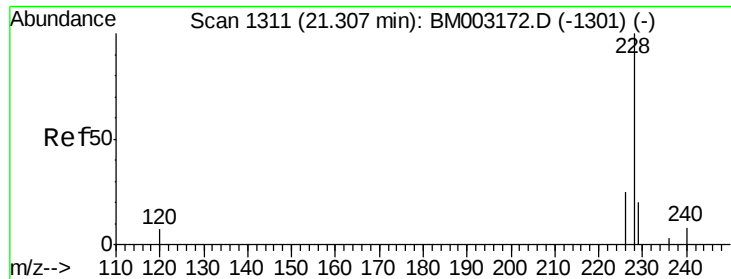


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.31 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BM003179.D

Acq: 19 Nov 2015 02:36

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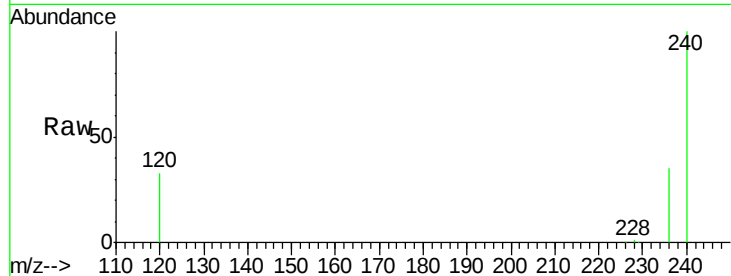
Tgt Ion:228 Resp: 1249

Ion Ratio Lower Upper

228 100

226 31.9 18.8 28.2#

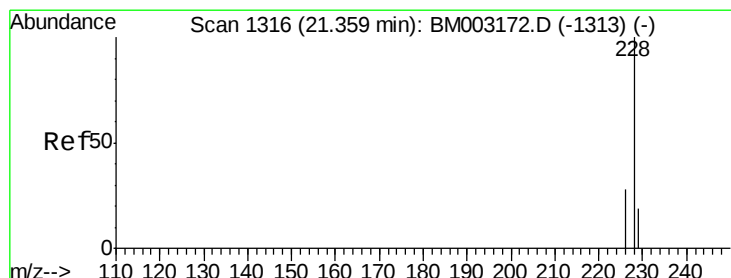
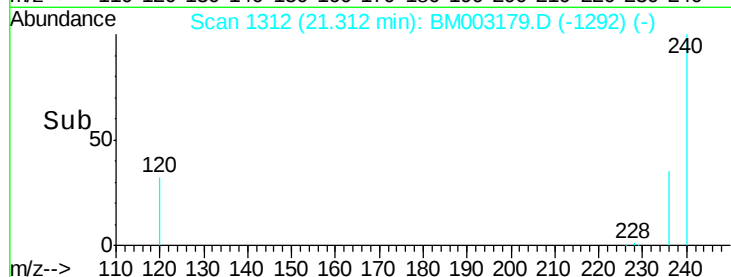
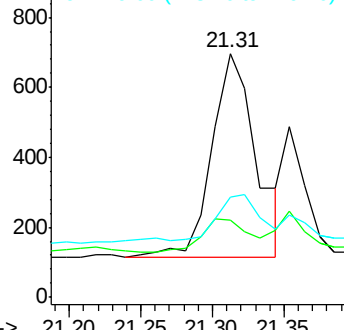
229 41.2 17.1 25.7#



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: 21.31 min Scan# 1312

Delta R.T. -0.05 min

Lab File: BM003179.D

Acq: 19 Nov 2015 02:36

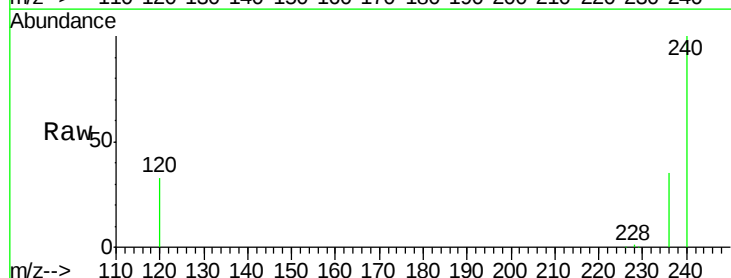
Tgt Ion:228 Resp: 1249

Ion Ratio Lower Upper

228 100

226 31.9 21.2 31.8#

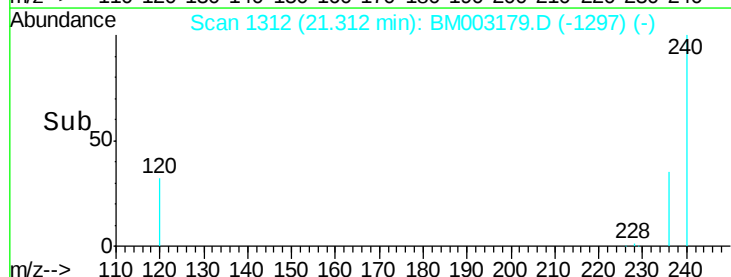
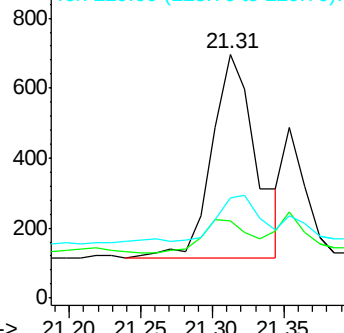
229 41.2 17.0 25.6#

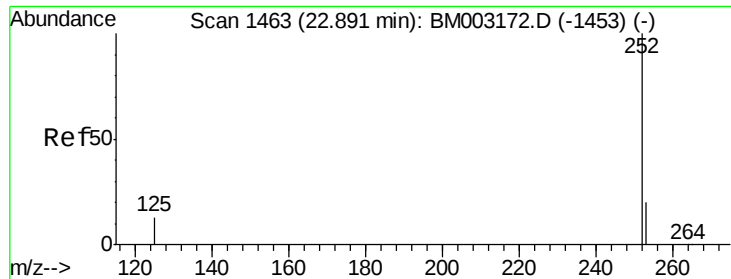


Abundance Ion 228.00 (227.70 to 228.70): E

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/u1

RT: 22.89 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BM003179.D

Acq: 19 Nov 2015 02:36

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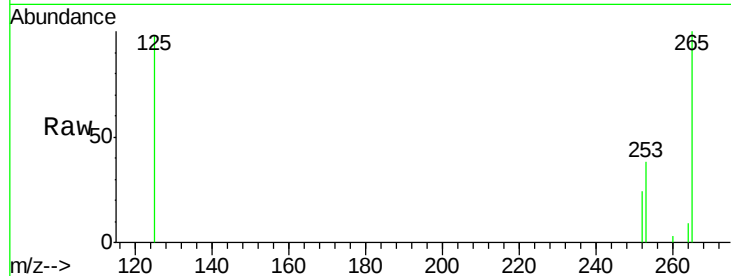
Tgt Ion:252 Resp: 986

Ion Ratio Lower Upper

252 100

253 160.0 0.0 45.4#

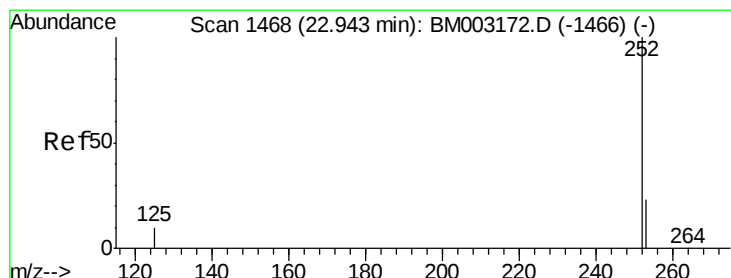
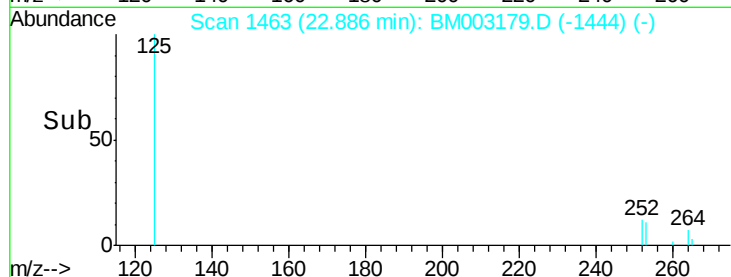
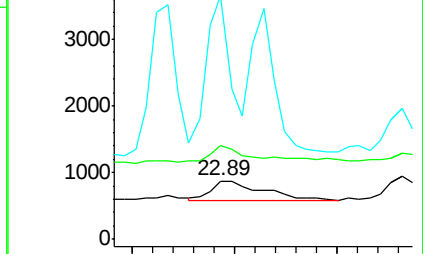
125 416.8 0.0 28.8#



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/u1

RT: 22.89 min Scan# 1463

Delta R.T. -0.06 min

Lab File: BM003179.D

Acq: 19 Nov 2015 02:36

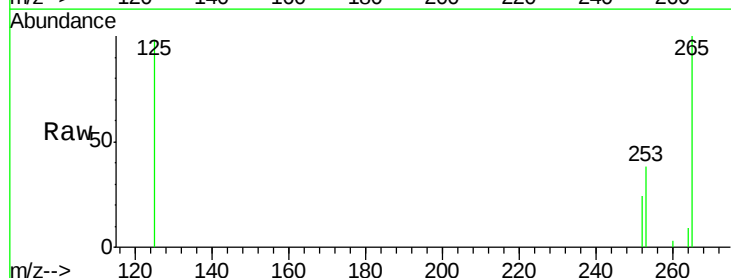
Tgt Ion:252 Resp: 986

Ion Ratio Lower Upper

252 100

253 160.0 19.8 29.8#

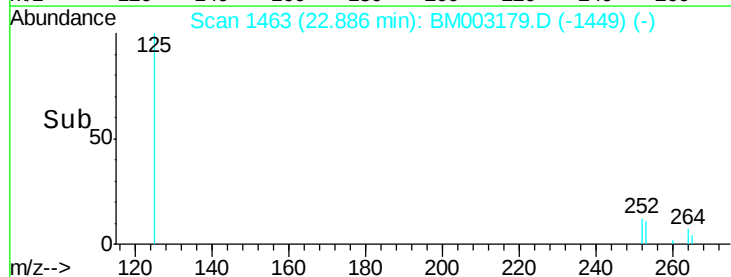
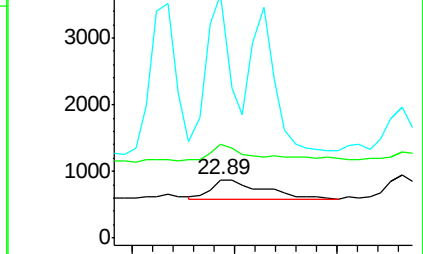
125 416.8 10.4 15.6#

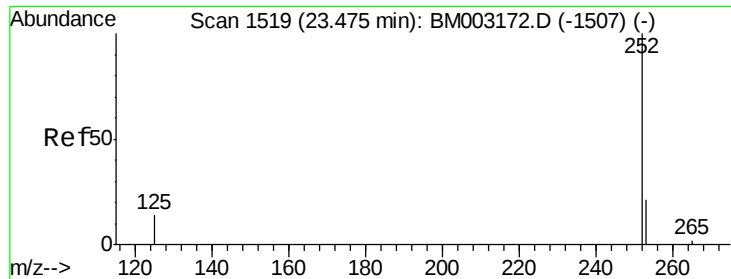


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 23.43 min Scan# 1515

Delta R.T. -0.05 min

Lab File: BM003179.D

Acq: 19 Nov 2015 02:36

Instrument :

BNA_M

ClientSampleId :

A4HT7

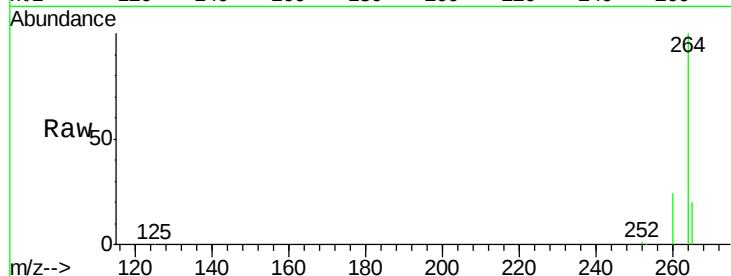
Tgt Ion:252 Resp: 20834

Ion Ratio Lower Upper

252 100

253 34.1 19.4 29.2#

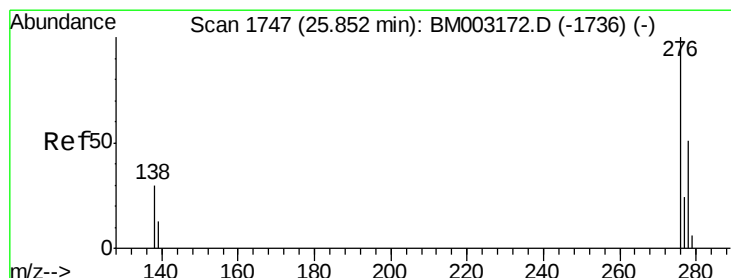
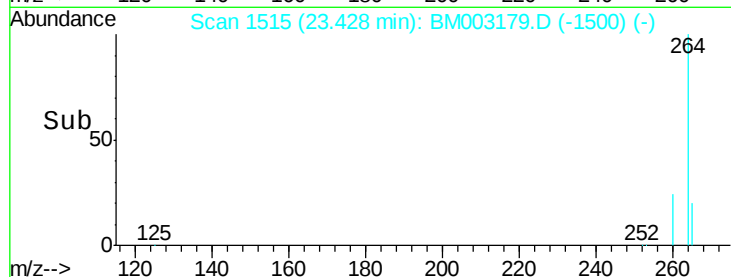
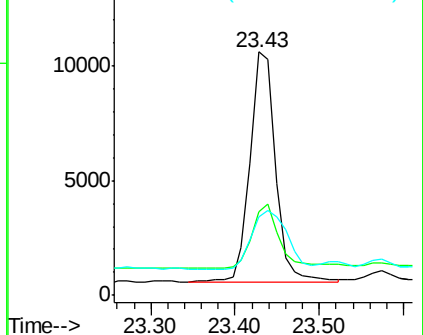
125 32.1 12.7 19.1#



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/u1

RT: 25.85 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BM003179.D

Acq: 19 Nov 2015 02:36

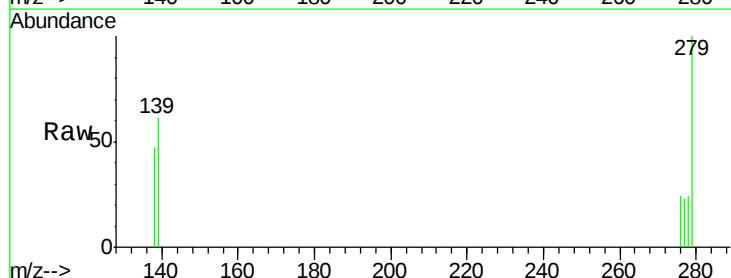
Tgt Ion:276 Resp: 415

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

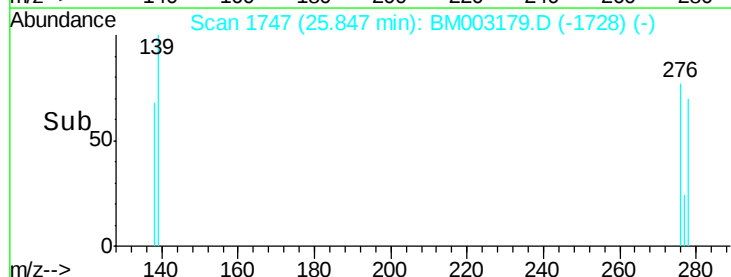
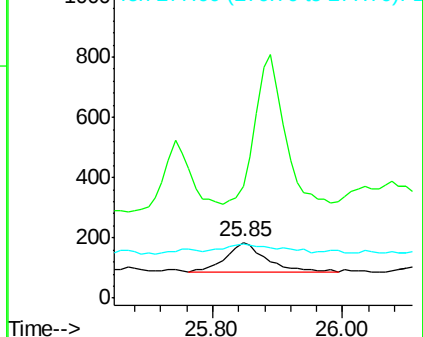
277 42.2 0.0 0.0#

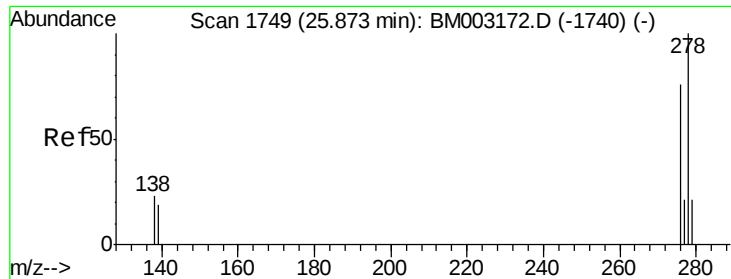


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

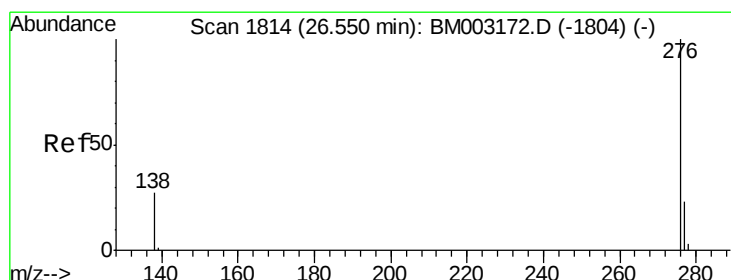
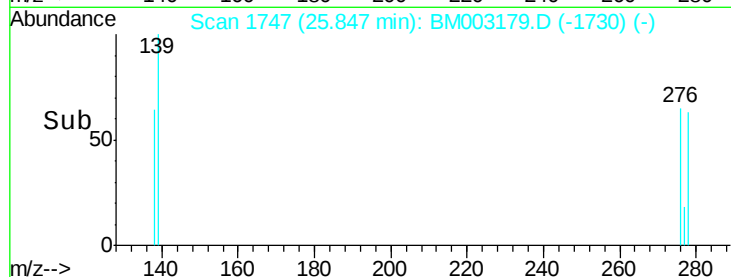
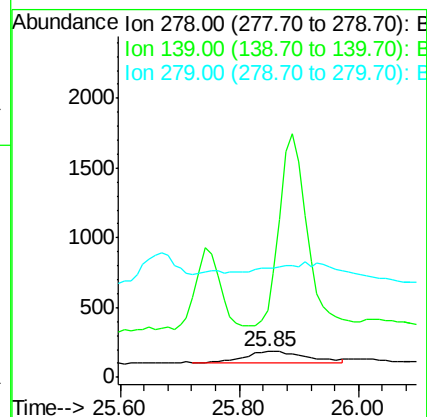
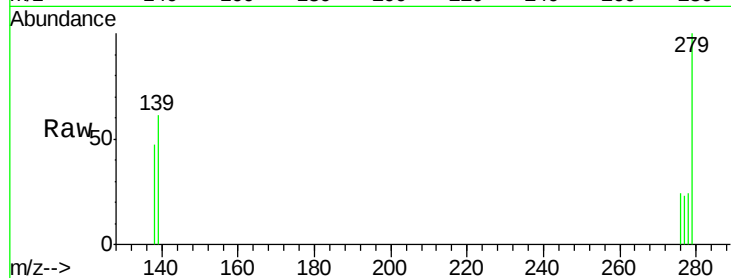




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.85 min Scan# 1747
Delta R.T. -0.03 min
Lab File: BM003179.D
Acq: 19 Nov 2015 02:36

Instrument :
BNA_M
ClientSampleId :
A4HT7

Tgt Ion: 278 Resp: 593
Ion Ratio Lower Upper
278 100
139 257.5 16.4 24.6#
279 418.8 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.55 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BM003179.D
Acq: 19 Nov 2015 02:36

Tgt Ion: 276 Resp: 314
Ion Ratio Lower Upper
276 100
277 103.0 18.9 28.3#
138 198.2 22.5 33.7#

