

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006323.D
 Acq On : 07 Jul 2016 17:28
 Operator : UM/SJ
 Sample : H3811-23
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TX1

Quant Time: Jul 08 03:46:00 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 03:28:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4024	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	16058	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	8908	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	751810	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	11050	0.40	ng/ul	0.00
22) Perylene-d12	23.32	264	420977	0.40	ng/ul	-0.14

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	5711	3.36	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	4682	0.25	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	8149	0.01	ng/ul	0.00

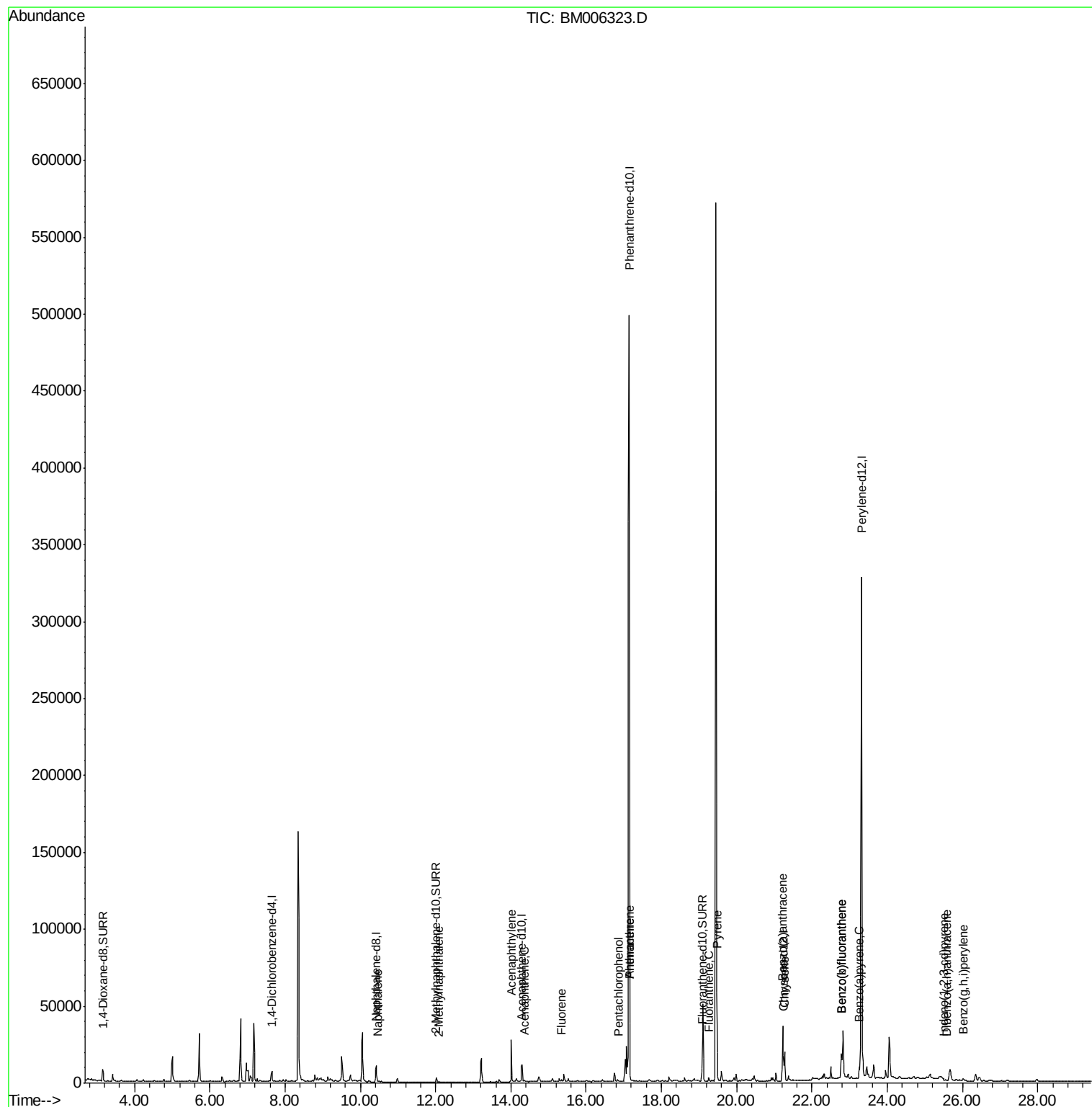
Target Compounds				Qvalue		
5) Naphthalene	10.48	128	841	0.02	ng/ul#	66
7) 2-Methylnaphthalene	12.09	142	388	0.02	ng/ul	99
9) Acenaphthylene	14.01	152	3137	0.10	ng/ul#	95
10) Acenaphthene	14.35	153	626	0.02	ng/ul#	71
11) Fluorene	15.34	166	1005	0.03	ng/ul#	79
13) Pentachlorophenol	16.85	266	4	0.00	ng/ul#	20
14) Phenanthrene	17.16	178	2989	0.00	ng/ul#	73
15) Anthracene	17.16	178	2956	0.00	ng/ul#	72
17) Fluoranthene	19.25	202	2573	0.00	ng/ul	67
19) Pyrene	19.47	202	44427	0.96	ng/ul	96
20) Benzo(a)anthracene	21.22	228	12263	0.34	ng/ul#	90
21) Chrysene	21.27	228	18455	0.53	ng/ul#	94
23) Benzo(b)fluoranthene	22.79	252	19531	0.01	ng/ul#	78
24) Benzo(k)fluoranthene	22.79	252	29493	0.02	ng/ul#	81
25) Benzo(a)pyrene	23.26	252	11685	0.01	ng/ul#	83
26) Indeno(1,2,3-cd)pyrene	25.50	276	1030	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.59	278	1489	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.02	276	590	0.00	ng/ul#	1

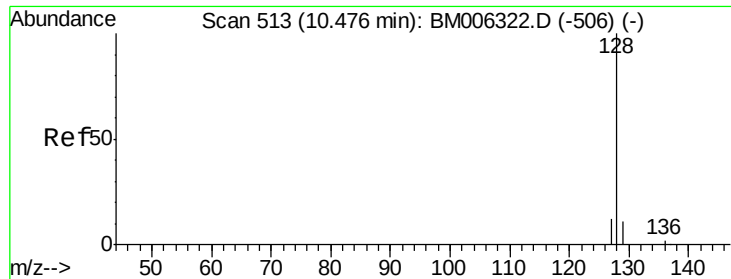
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.00 min

Lab File: BM006323.D

Acq: 07 Jul 2016 17:28

Instrument :

BNA_M

ClientSampleId :

A4TX1

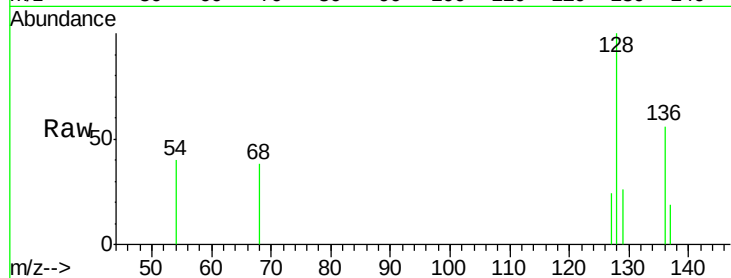
Tgt Ion:128 Resp: 841

Ion Ratio Lower Upper

128 100

129 25.5 9.0 13.6#

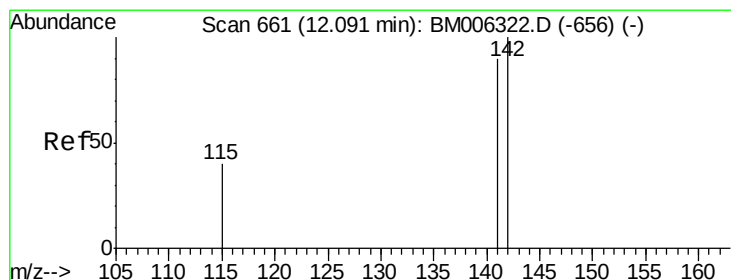
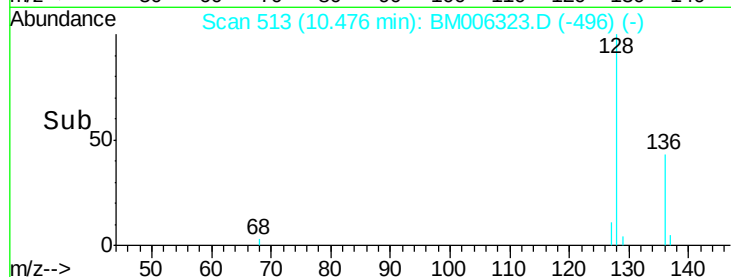
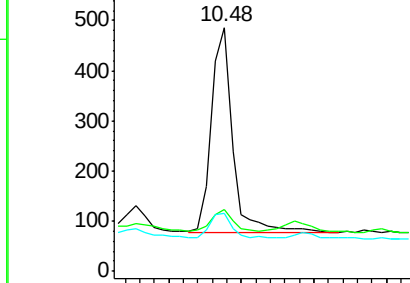
127 23.9 9.6 14.4#



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: 0.02 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM006323.D

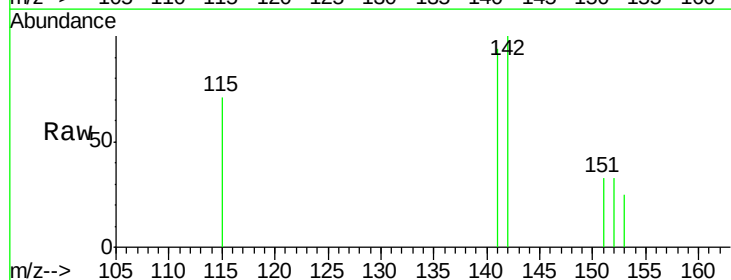
Acq: 07 Jul 2016 17:28

Tgt Ion:142 Resp: 388

Ion Ratio Lower Upper

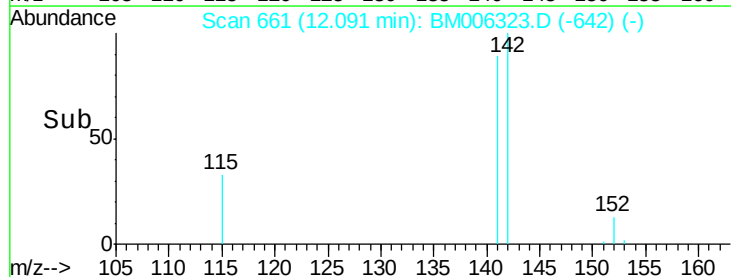
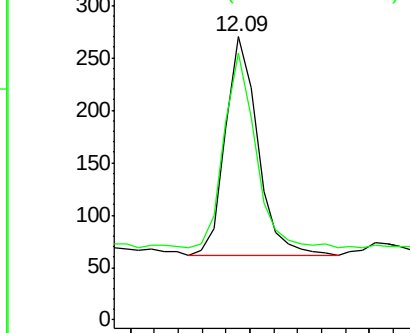
142 100

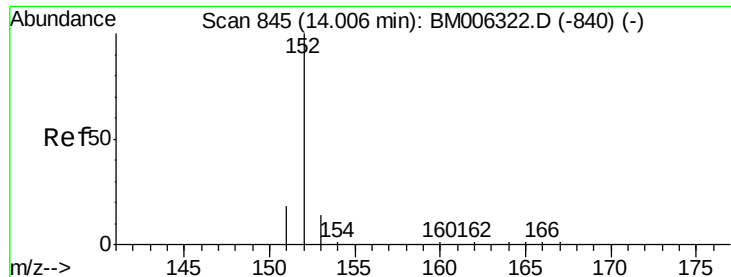
141 86.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.10 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006323.D

Acq: 07 Jul 2016 17:28

Instrument :

BNA_M

ClientSampleId :

A4TX1

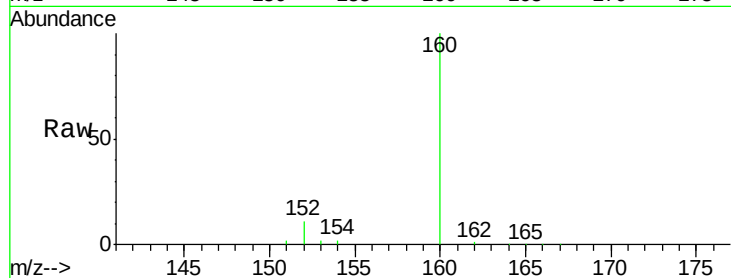
Tgt Ion:152 Resp: 3137

Ion Ratio Lower Upper

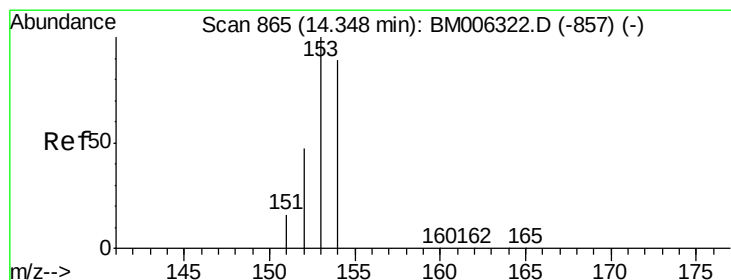
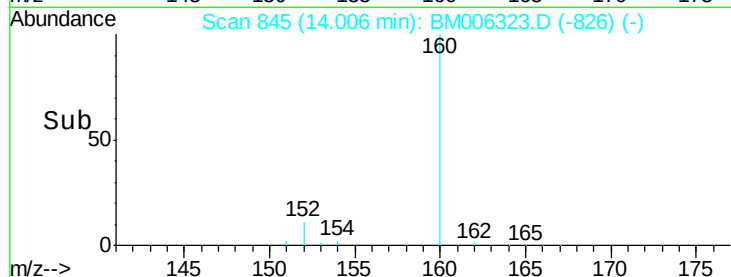
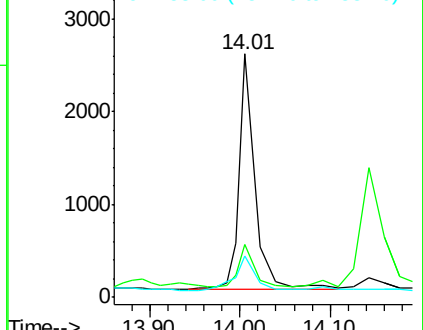
152 100

151 21.7 17.6 26.4

153 17.1 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: 0.02 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.00 min

Lab File: BM006323.D

Acq: 07 Jul 2016 17:28

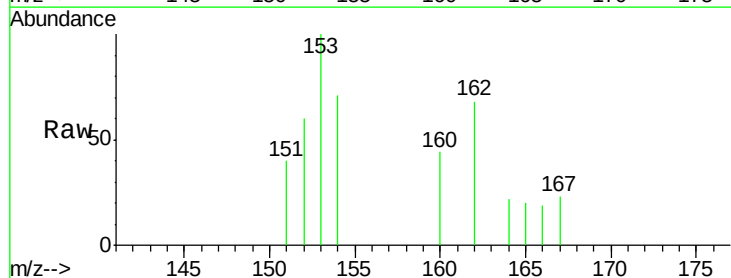
Tgt Ion:153 Resp: 626

Ion Ratio Lower Upper

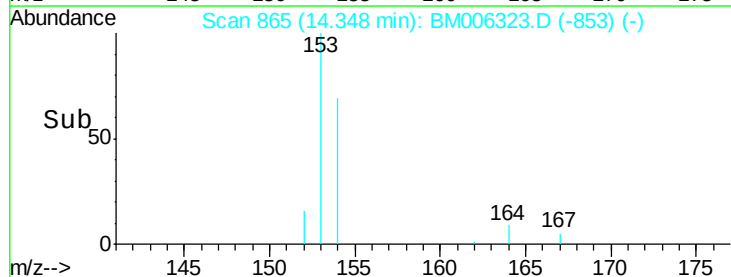
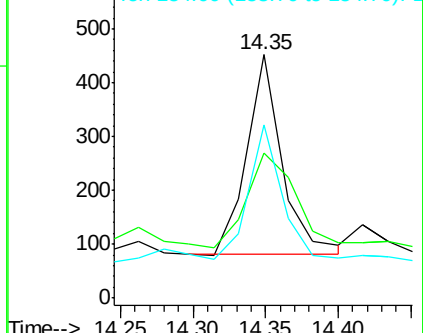
153 100

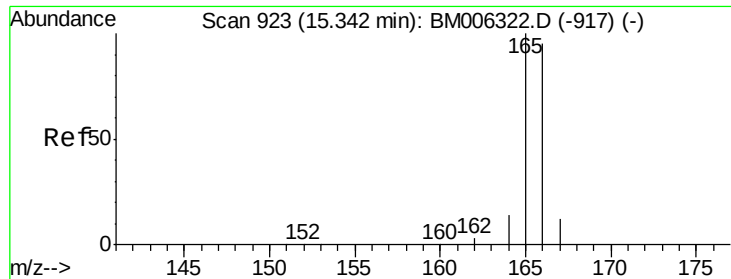
152 59.7 33.9 50.9#

154 71.2 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

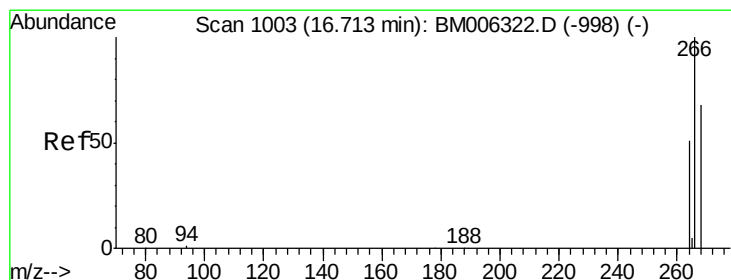
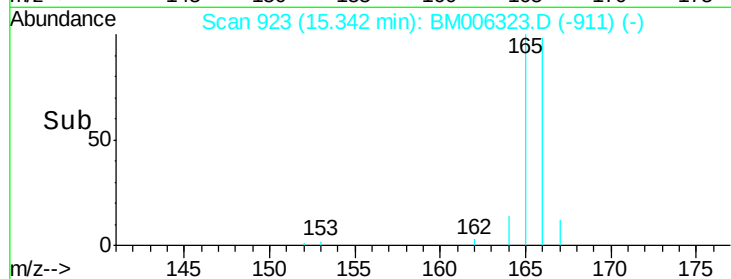
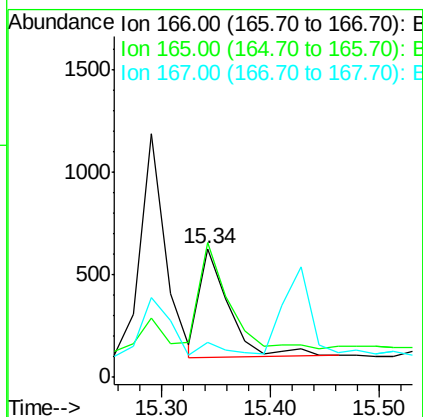
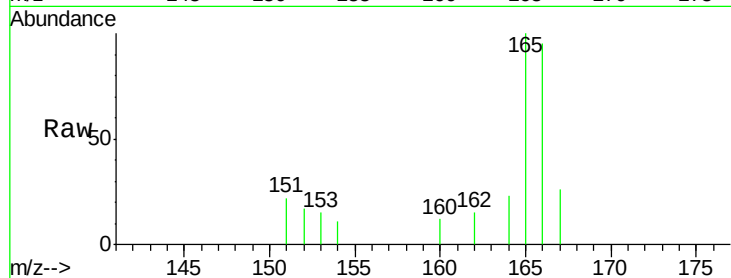




#11
 Fluorene
 Concen: 0.03 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: BM006323.D
 Acq: 07 Jul 2016 17:28

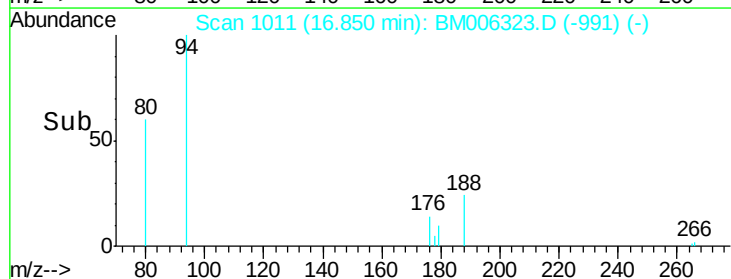
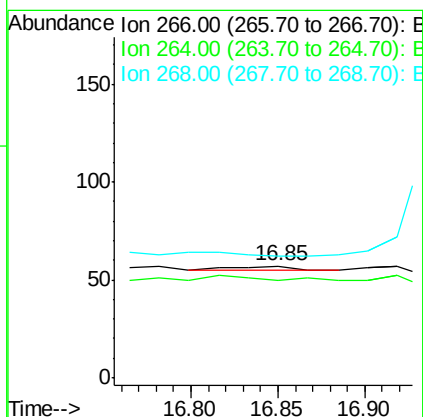
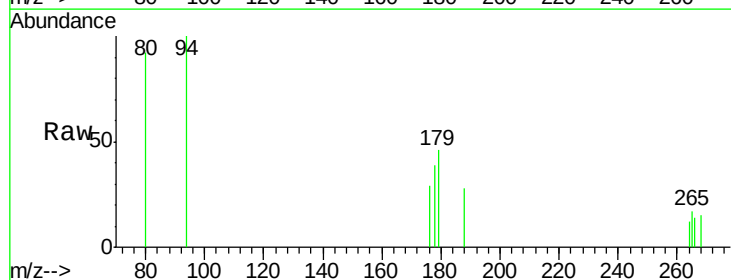
Instrument :
 BNA_M
 ClientSampleId :
 A4TX1

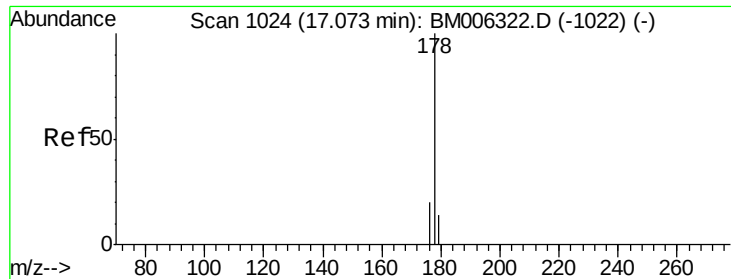
Tgt Ion:166 Resp: 1005
 Ion Ratio Lower Upper
 166 100
 165 104.9 69.6 104.4#
 167 26.8 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. 0.14 min
 Lab File: BM006323.D
 Acq: 07 Jul 2016 17:28

Tgt Ion:266 Resp: 4
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.8 77.8#
 268 0.0 46.8 70.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. 0.09 min

Lab File: BM006323.D

Acq: 07 Jul 2016 17:28

Instrument :

BNA_M

ClientSampleId :

A4TX1

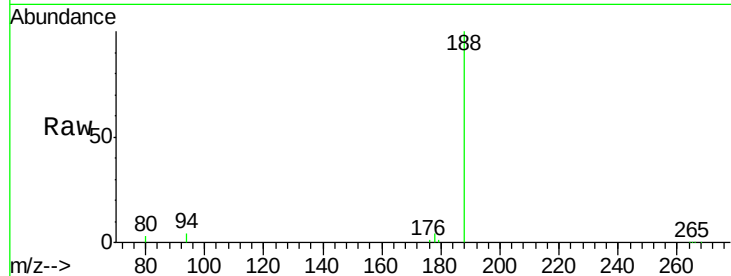
Tgt Ion:178 Resp: 2989

Ion Ratio Lower Upper

178 100

176 27.7 13.0 19.4#

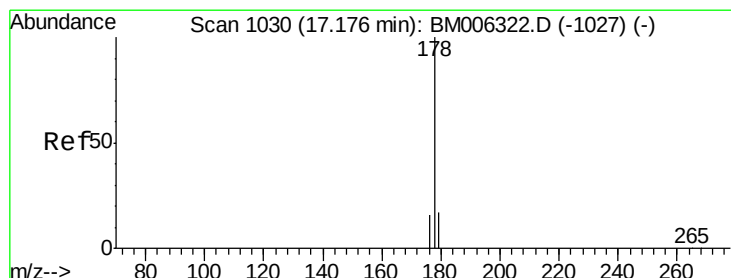
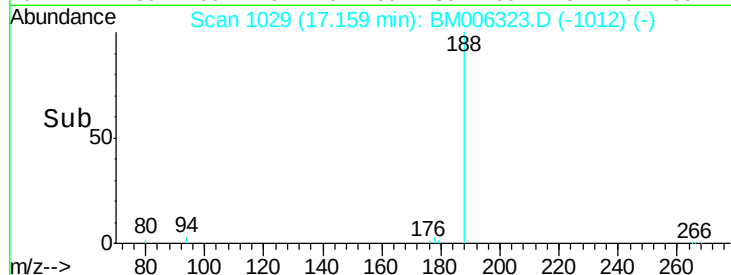
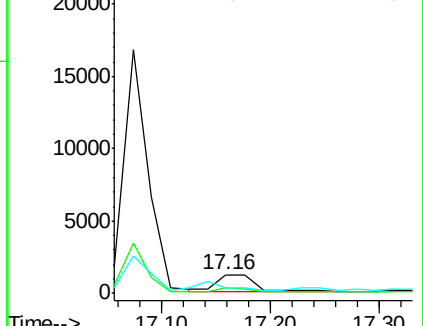
179 29.8 14.2 21.2#



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: 17.16 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM006323.D

Acq: 07 Jul 2016 17:28

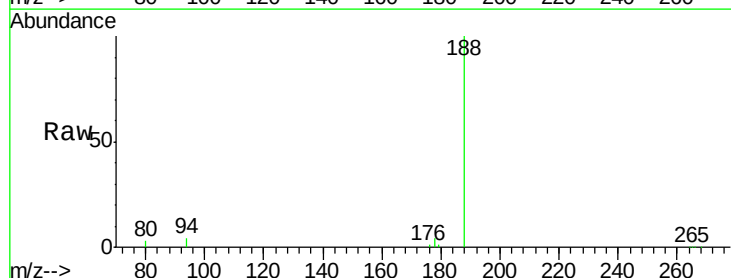
Tgt Ion:178 Resp: 2956

Ion Ratio Lower Upper

178 100

176 27.7 14.0 21.0#

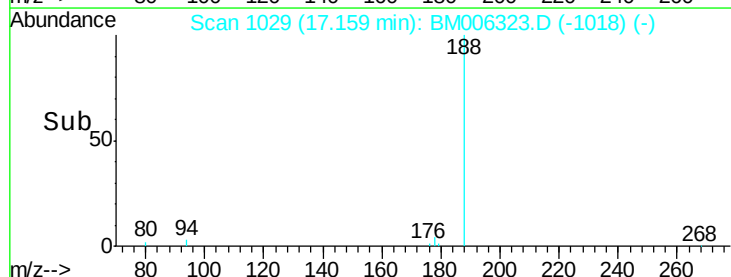
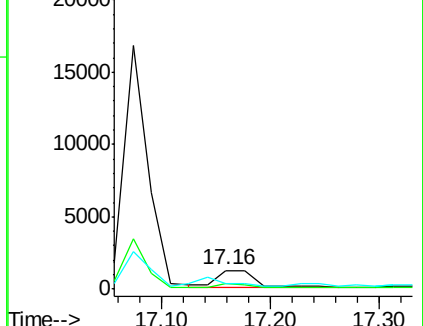
179 29.8 12.9 19.3#

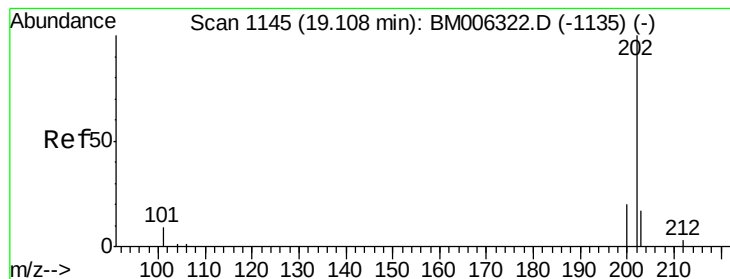


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.25 min Scan# 1157

Delta R.T. 0.15 min

Lab File: BM006323.D

Acq: 07 Jul 2016 17:28

Instrument :

BNA_M

ClientSampleId :

A4TX1

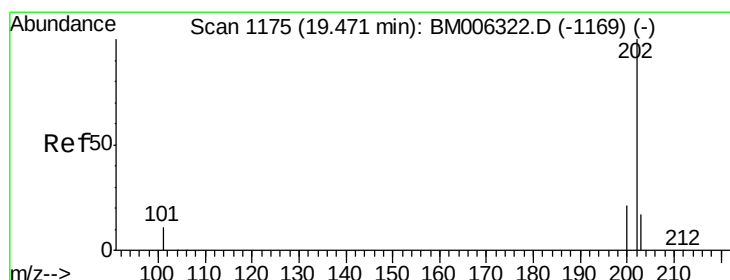
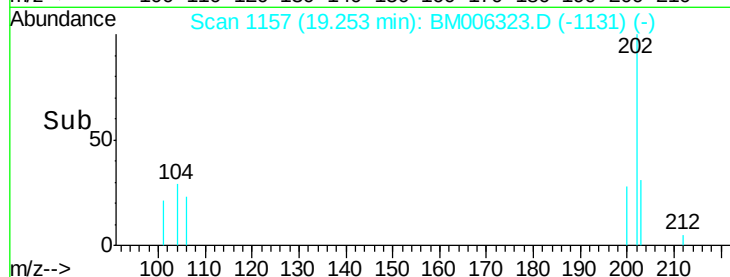
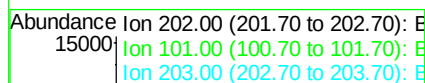
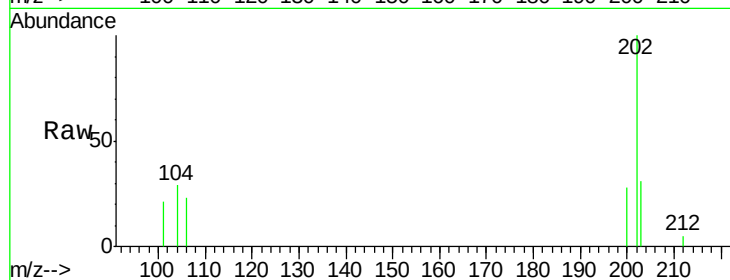
Tgt Ion:202 Resp: 2573

Ion Ratio Lower Upper

202 100

101 21.0 0.0 29.6

203 30.7 0.0 36.3



#19

Pyrene

Concen: 0.96 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. -0.00 min

Lab File: BM006323.D

Acq: 07 Jul 2016 17:28

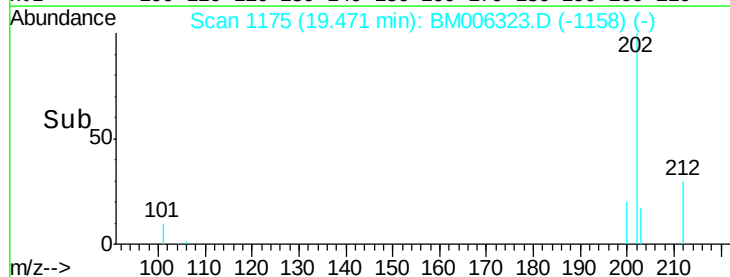
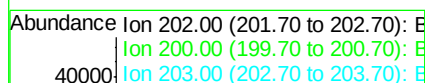
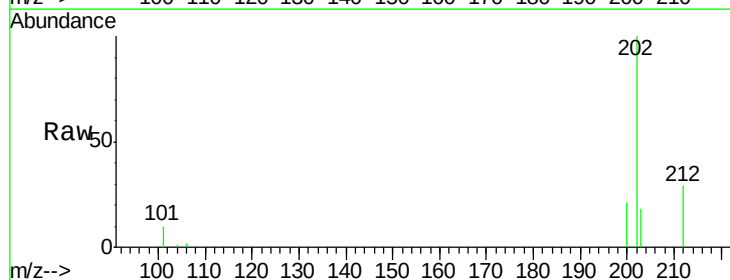
Tgt Ion:202 Resp: 44427

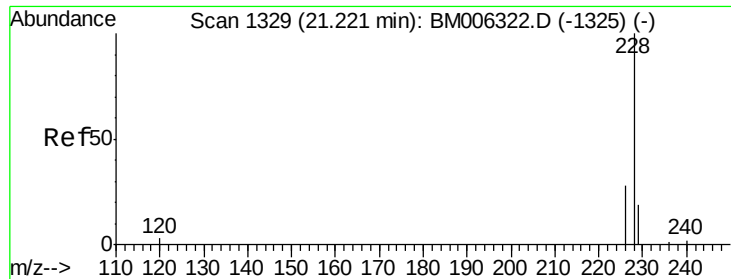
Ion Ratio Lower Upper

202 100

200 20.6 17.8 26.8

203 17.8 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.34 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM006323.D

Acq: 07 Jul 2016 17:28

Instrument :

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ClientSampleId :

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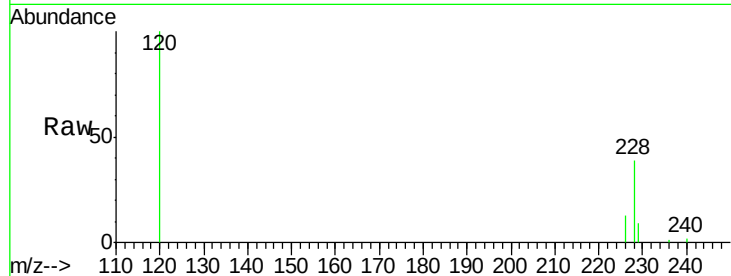
Tgt Ion:228 Resp: 12263

Ion Ratio Lower Upper

228 100

226 32.6 18.8 28.2#

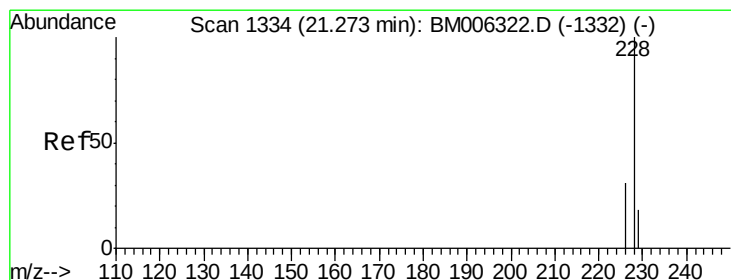
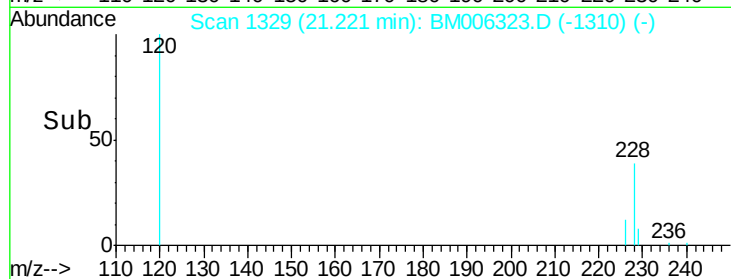
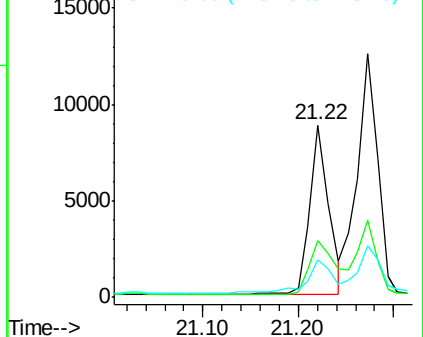
229 21.9 17.1 25.7



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: 0.53 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BM006323.D

Acq: 07 Jul 2016 17:28

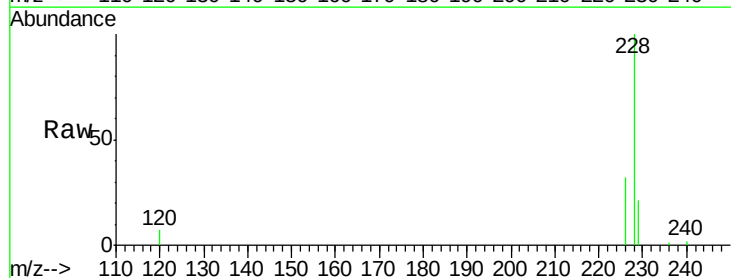
Tgt Ion:228 Resp: 18455

Ion Ratio Lower Upper

228 100

226 31.8 21.2 31.8#

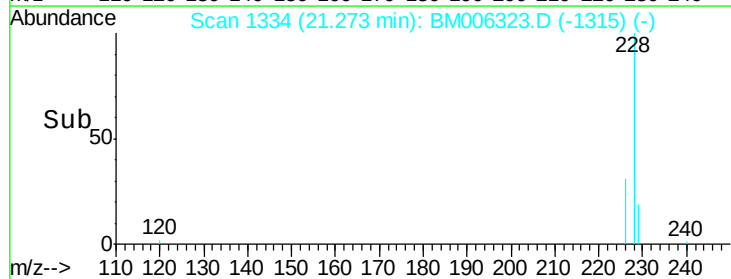
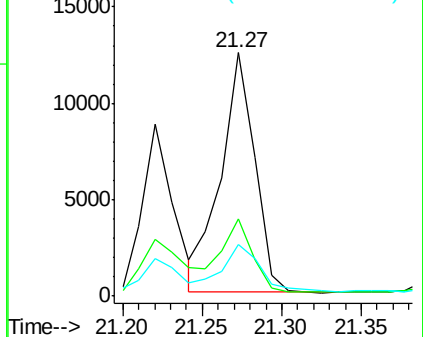
229 21.0 17.0 25.6

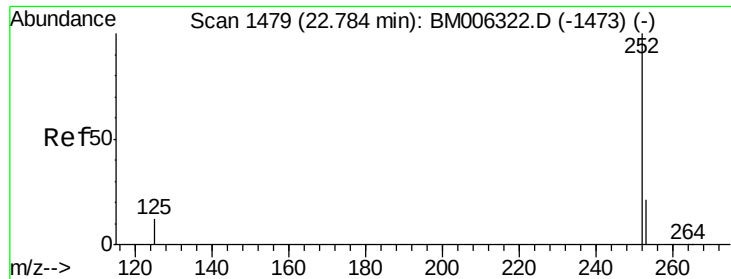


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.79 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BM006323.D

Acq: 07 Jul 2016 17:28

Instrument :

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ClientSampleId :

A4TX1

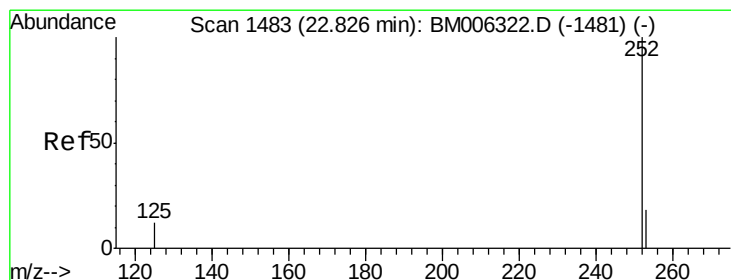
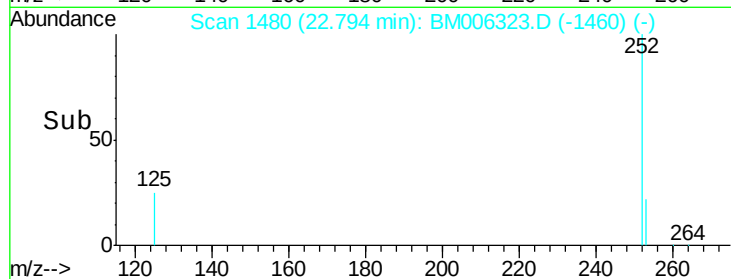
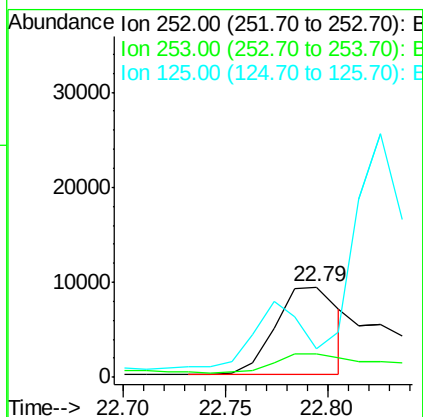
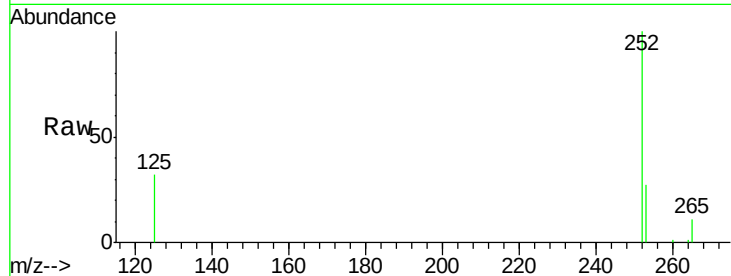
Tgt Ion:252 Resp: 19531

Ion Ratio Lower Upper

252 100

253 26.7 0.0 45.4

125 32.2 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 22.79 min Scan# 1480

Delta R.T. -0.03 min

Lab File: BM006323.D

Acq: 07 Jul 2016 17:28

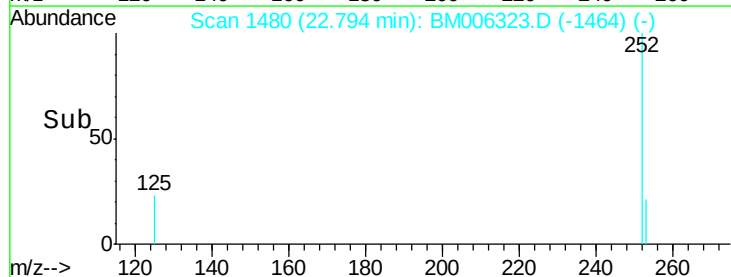
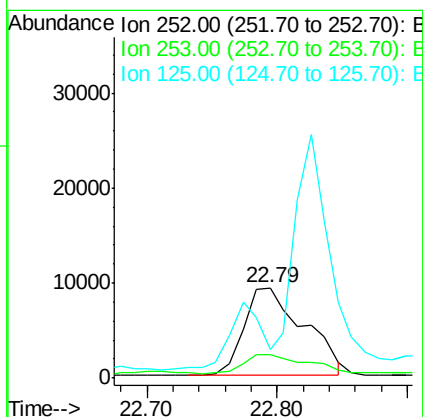
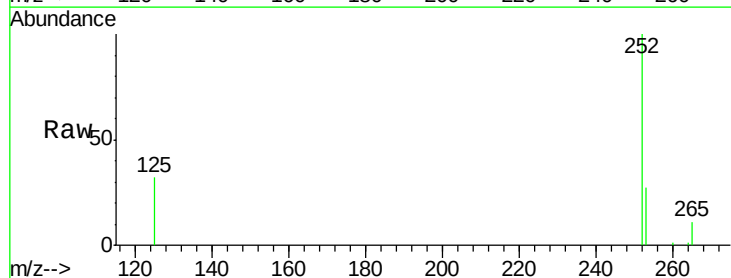
Tgt Ion:252 Resp: 29493

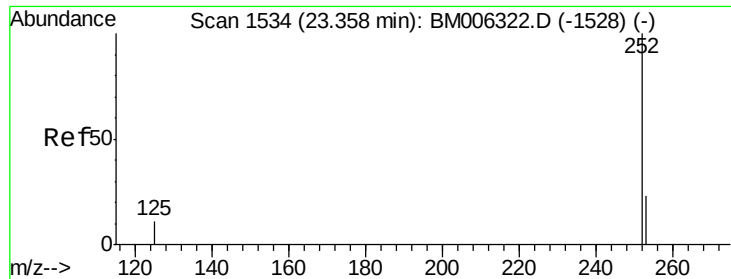
Ion Ratio Lower Upper

252 100

253 26.7 19.8 29.8

125 32.2 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.26 min Scan# 1525

Delta R.T. -0.09 min

Lab File: BM006323.D

Acq: 07 Jul 2016 17:28

Instrument :

BNA_M

ClientSampleId :

A4TX1

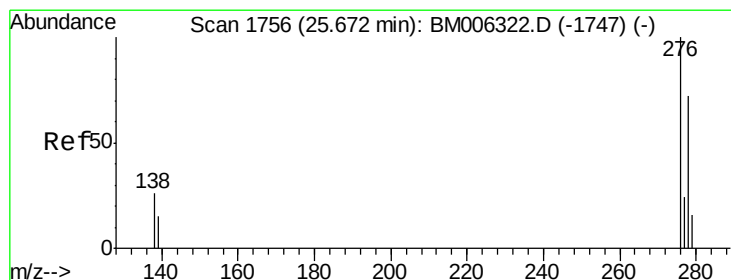
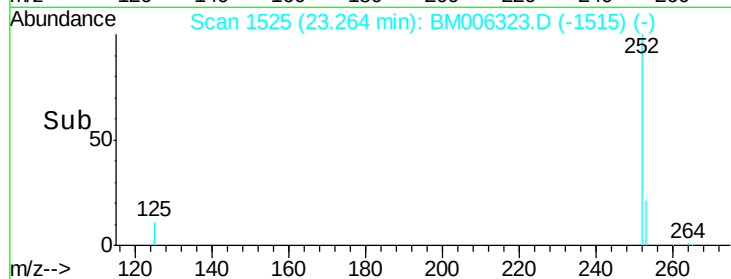
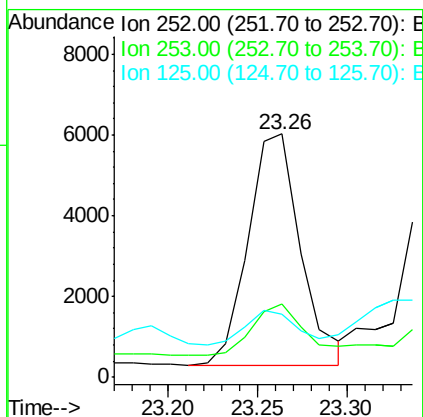
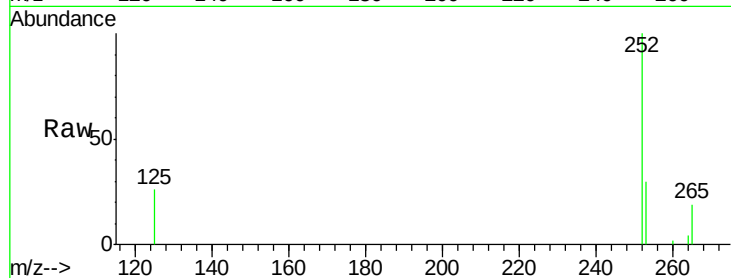
Tgt Ion:252 Resp: 11685

Ion Ratio Lower Upper

252 100

253 30.1 19.4 29.2#

125 26.1 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.50 min Scan# 1740

Delta R.T. -0.17 min

Lab File: BM006323.D

Acq: 07 Jul 2016 17:28

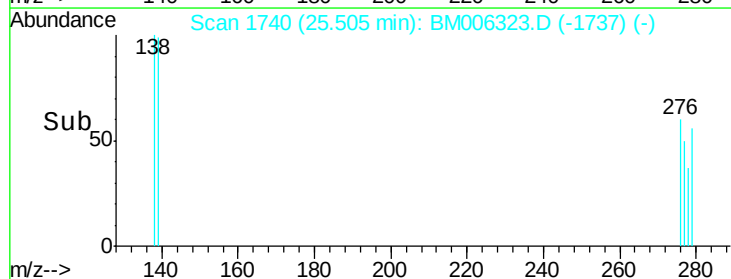
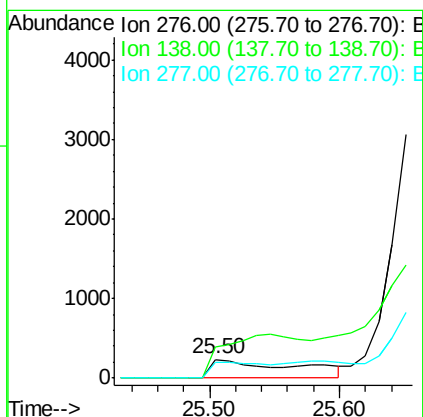
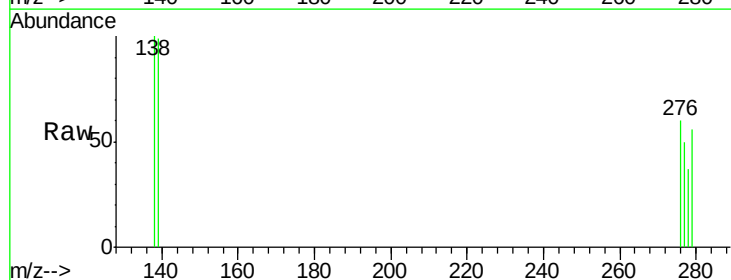
Tgt Ion:276 Resp: 1030

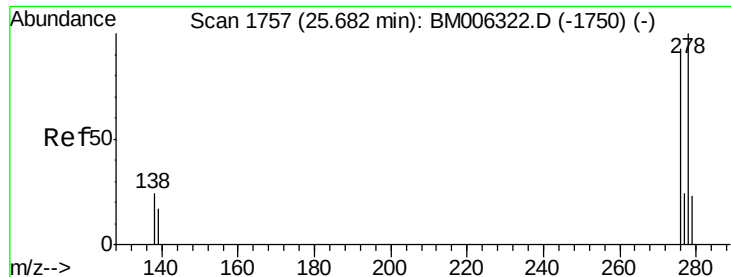
Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

277 0.0 19.8 29.8#

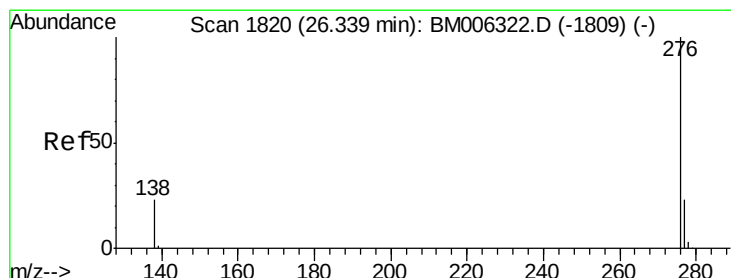
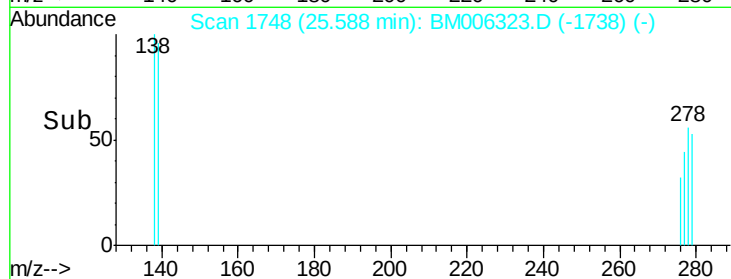
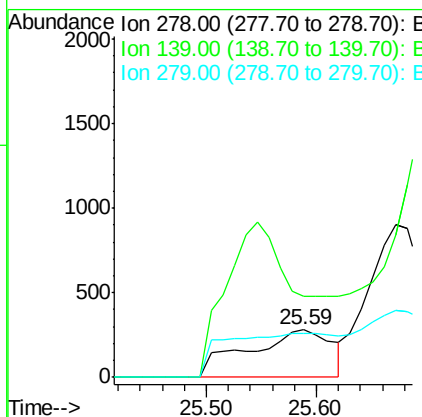
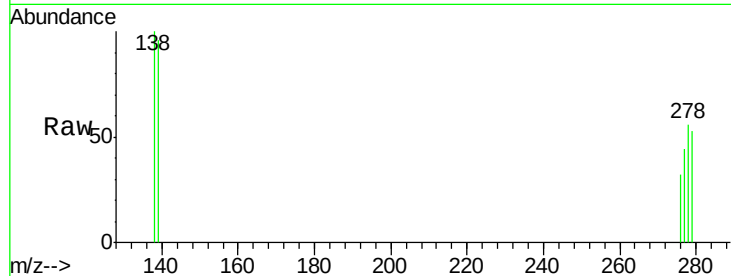




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.59 min Scan# 1748
Delta R.T. -0.09 min
Lab File: BM006323.D
Acq: 07 Jul 2016 17:28

Instrument :
BNA_M
ClientSampleId :
A4TX1

Tgt Ion: 278 Resp: 1489
Ion Ratio Lower Upper
278 100
139 171.0 16.4 24.6#
279 94.3 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.02 min Scan# 1789
Delta R.T. -0.32 min
Lab File: BM006323.D
Acq: 07 Jul 2016 17:28

Tgt Ion: 276 Resp: 590
Ion Ratio Lower Upper
276 100
277 70.7 18.9 28.3#
138 144.3 22.5 33.7#

