

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006300.D
 Acq On : 07 Jul 2016 02:17
 Operator : UM/SJ
 Sample : H3811-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Quant Time: Jul 07 05:51:31 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 05:51:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4901	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	19595	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	11149	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1222779	0.40	ng/ul	0.10
18) Chrysene-d12	21.23	240	15302	0.40	ng/ul	0.00
22) Perylene-d12	23.31	264	681328	0.40	ng/ul	-0.14

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	9401	4.54	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	7466	0.33	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	14992	0.01	ng/ul	0.00

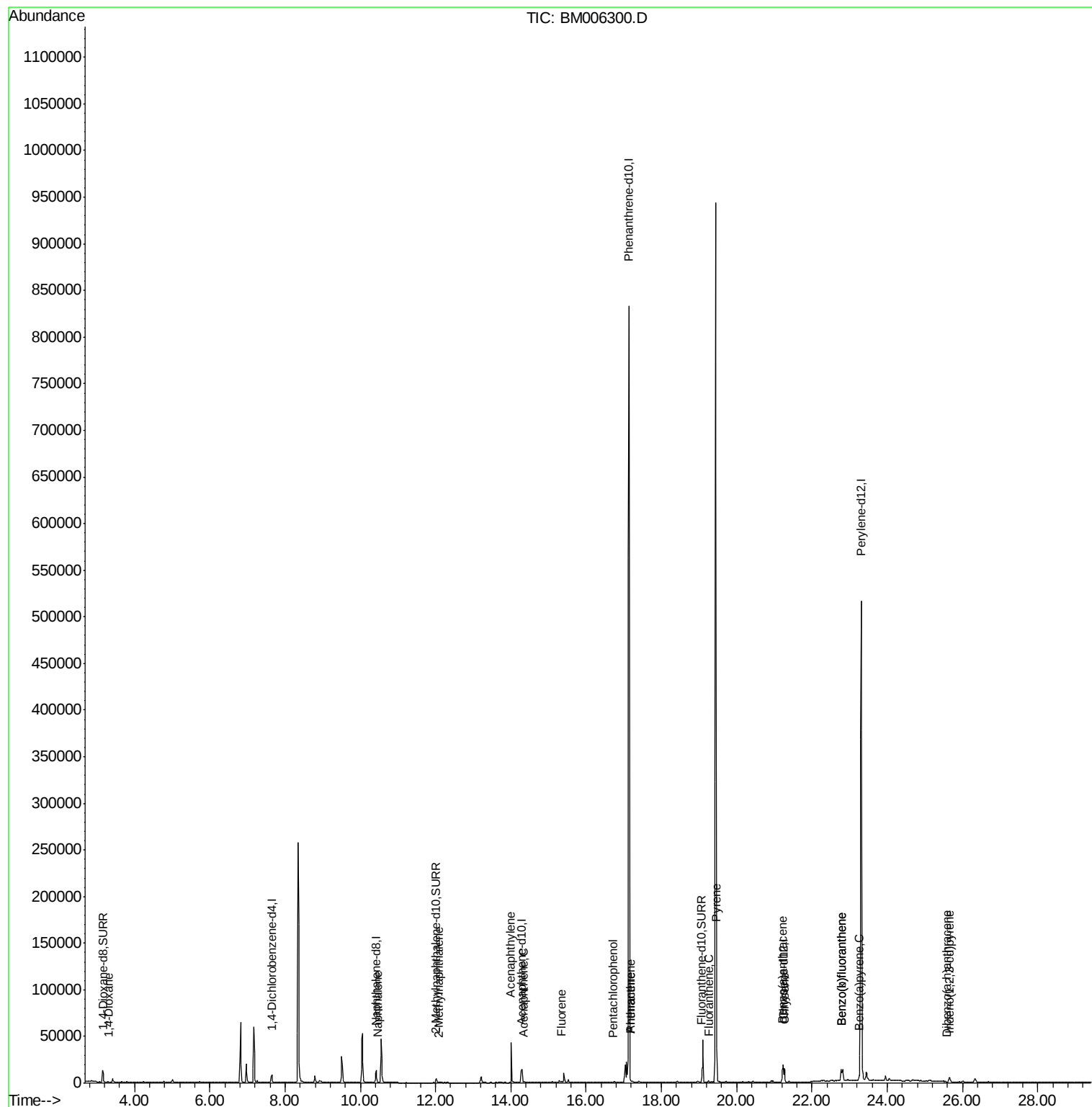
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.31	88	71	0.03	ng/ul#	1
5) Naphthalene	10.48	128	1094	0.02	ng/ul#	77
7) 2-Methylnaphthalene	12.09	142	499	0.02	ng/ul	94
9) Acenaphthylene	14.01	152	2307	0.06	ng/ul#	94
10) Acenaphthene	14.35	153	736	0.02	ng/ul#	86
11) Fluorene	15.34	166	1085	0.03	ng/ul#	78
13) Pentachlorophenol	16.71	266	34	0.00	ng/ul	98
14) Phenanthrene	17.18	178	3018	0.00	ng/ul#	87
15) Anthracene	17.18	178	2726	0.00	ng/ul#	87
17) Fluoranthene	19.26	202	1766	0.00	ng/ul	77
19) Pyrene	19.46	202	40611	0.63	ng/ul	97
20) Benzo(a)anthracene	21.22	228	12918	0.26	ng/ul#	87
21) Chrysene	21.27	228	15451	0.32	ng/ul#	90
23) Benzo(b)fluoranthene	22.79	252	14950	0.01	ng/ul	81
24) Benzo(k)fluoranthene	22.79	252	23122	0.01	ng/ul#	84
25) Benzo(a)pyrene	23.26	252	9182	0.00	ng/ul#	84
26) Indeno(1,2,3-cd)pyrene	25.65	276	6090	0.00	ng/ul	95
27) Dibenzo(a,h)anthracene	25.58	278	1167	0.00	ng/ul#	1

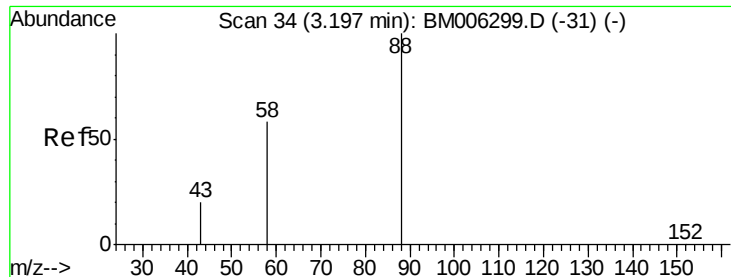
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 3.31 min Scan# 41

Delta R.T. 0.11 min

Lab File: BM006300.D

Acq: 07 Jul 2016 02:17

Instrument :

BNA_M

ClientSampleId :

A4TW1

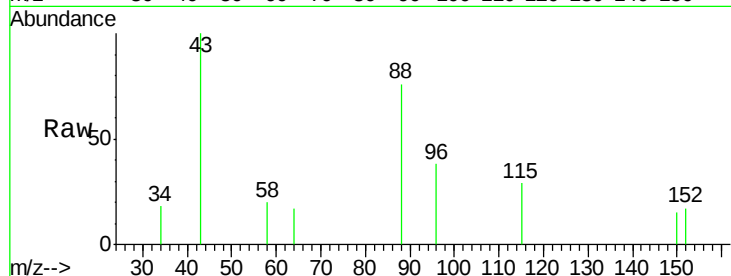
Tgt Ion: 88 Resp: 71

Ion Ratio Lower Upper

88 100

58 18.3 8.0 12.0#

43 726.8 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM006300.D (-21) (-)

Ion 58.00 (57.70 to 58.70): BM006300.D (-21) (-)

Ion 43.00 (42.70 to 43.70): BM006300.D (-21) (-)

Time-->

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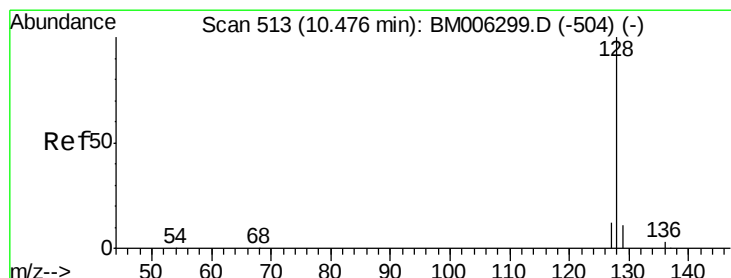
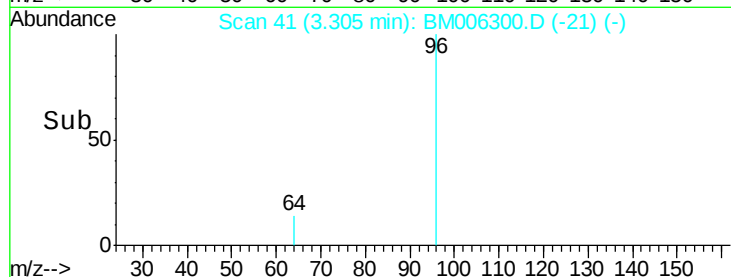
3.31

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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: BM006300.D

Acq: 07 Jul 2016 02:17

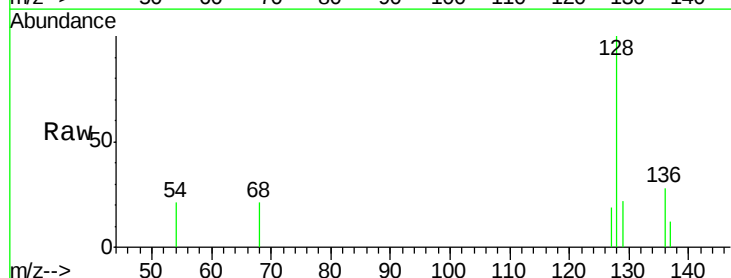
Tgt Ion: 128 Resp: 1094

Ion Ratio Lower Upper

128 100

129 22.3 9.0 13.6#

127 19.2 9.6 14.4#



Abundance Ion 128.00 (127.70 to 128.70): BM006300.D (-496) (-)

Ion 129.00 (128.70 to 129.70): BM006300.D (-496) (-)

Ion 127.00 (126.70 to 127.70): BM006300.D (-496) (-)

Time-->

10.48

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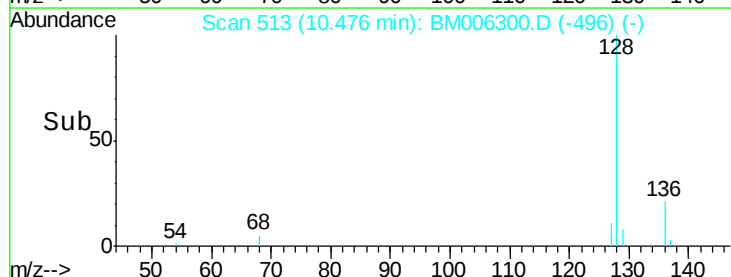
10.48

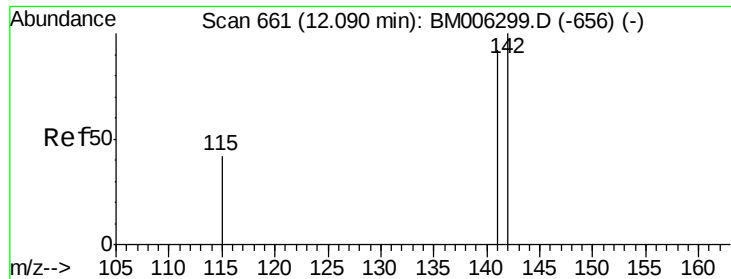
10.48

10.48

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10.48





#7

2-Methylnaphthalene

Concen: 0.02 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM006300.D

Acq: 07 Jul 2016 02:17

Instrument :

BNA_M

ClientSampleId :

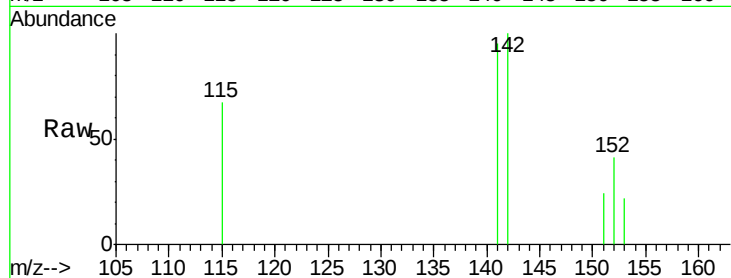
A4TW1

Tgt Ion:142 Resp: 499

Ion Ratio Lower Upper

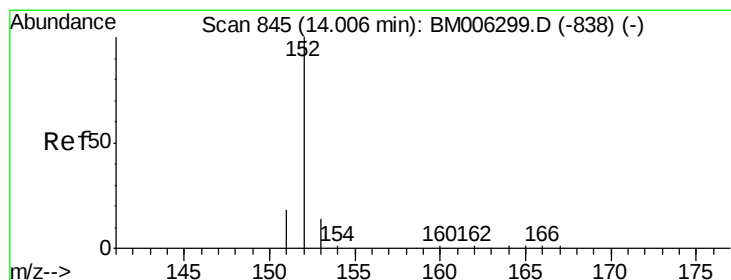
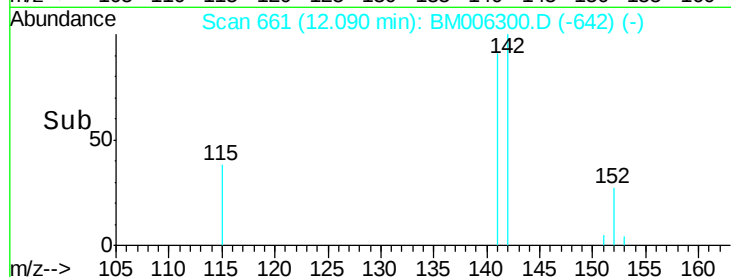
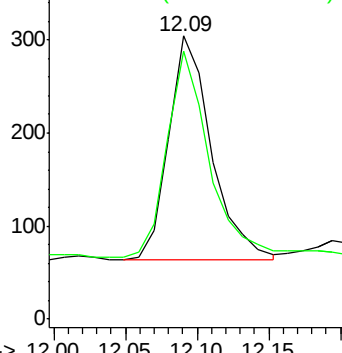
142 100

141 93.6 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: 0.06 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006300.D

Acq: 07 Jul 2016 02:17

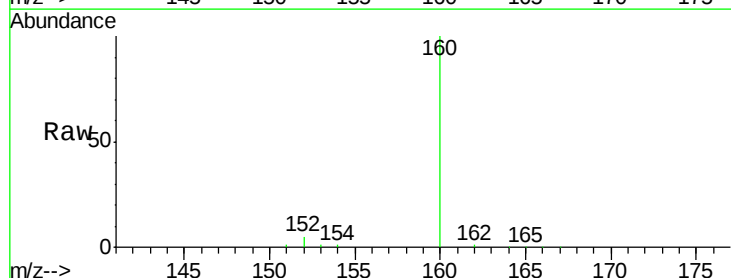
Tgt Ion:152 Resp: 2307

Ion Ratio Lower Upper

152 100

151 21.1 17.6 26.4

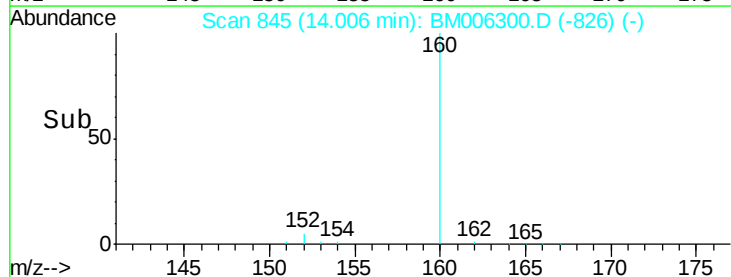
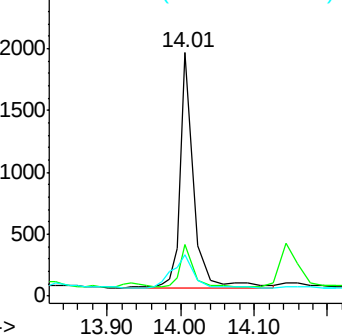
153 17.1 9.7 14.5#

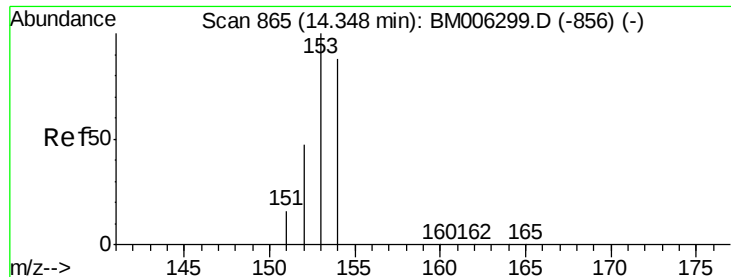


Abundance Ion 152.00 (151.70 to 152.70): E

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: BM006300.D

Acq: 07 Jul 2016 02:17

Instrument :

BNA_M

ClientSampleId :

A4TW1

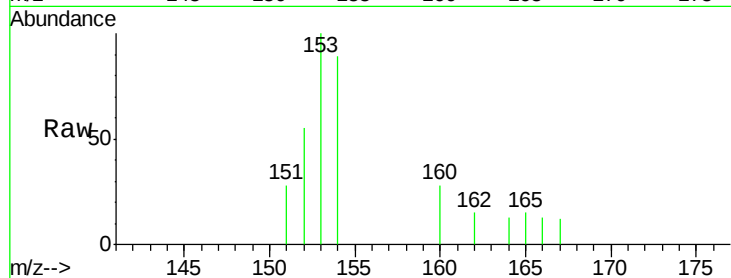
Tgt Ion:153 Resp: 736

Ion Ratio Lower Upper

153 100

152 54.6 33.9 50.9#

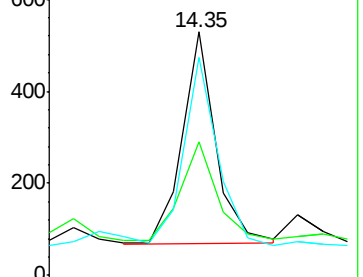
154 89.4 80.6 121.0



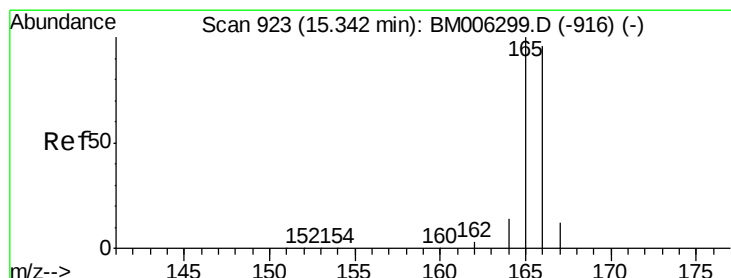
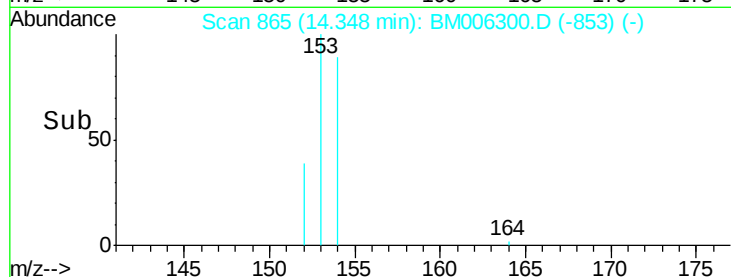
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time--> 14.25 14.30 14.35 14.40



#11

Fluorene

Concen: 0.03 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.00 min

Lab File: BM006300.D

Acq: 07 Jul 2016 02:17

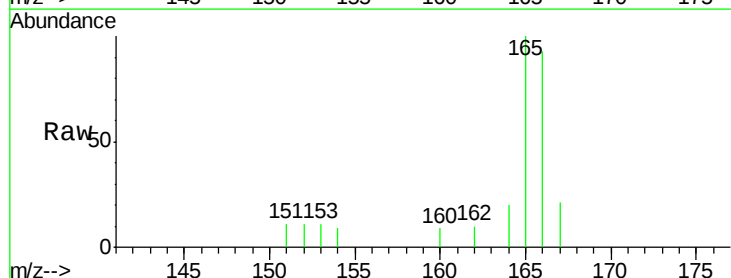
Tgt Ion:166 Resp: 1085

Ion Ratio Lower Upper

166 100

165 107.3 69.6 104.4#

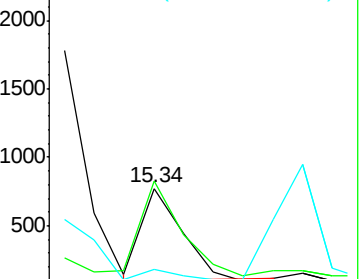
167 23.0 11.9 17.9#



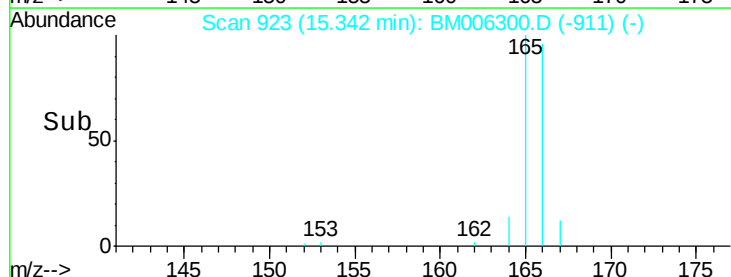
Abundance Ion 166.00 (165.70 to 166.70): E

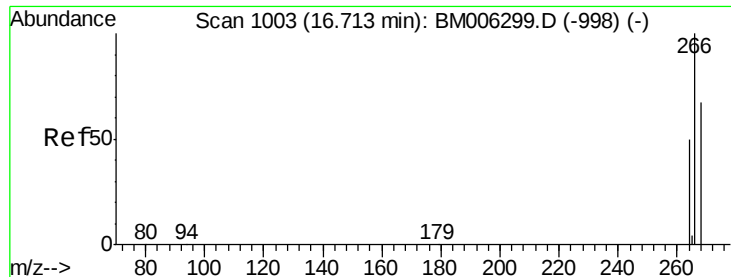
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 15.30 15.35 15.40

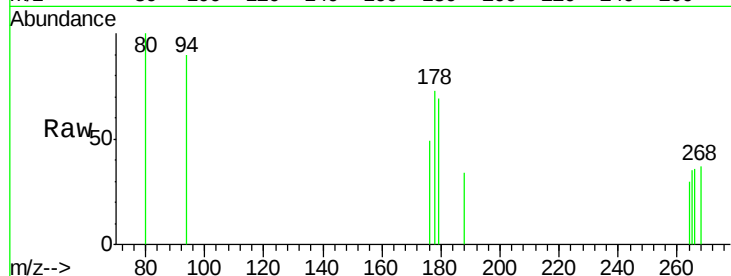




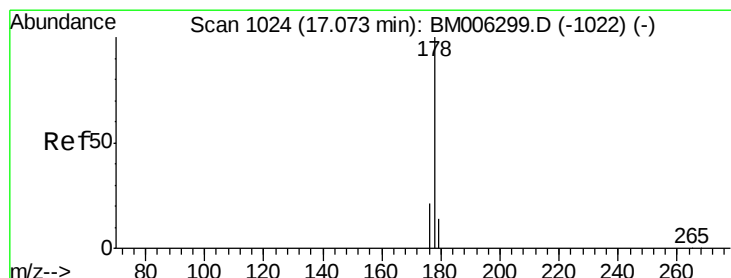
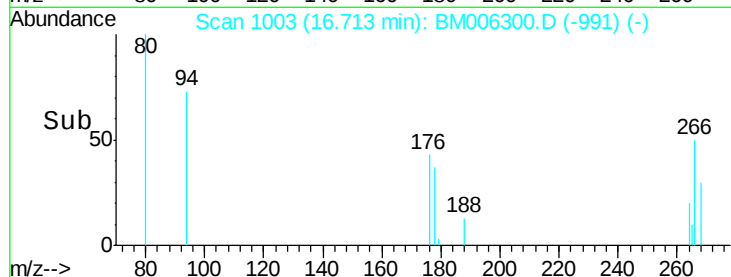
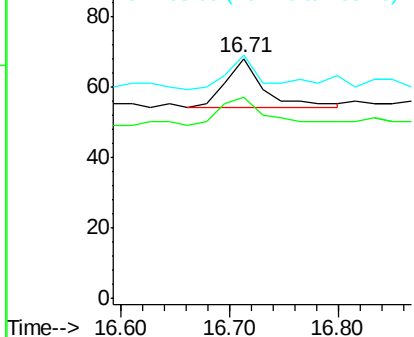
#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.71 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: BM006300.D
 Acq: 07 Jul 2016 02:17

Instrument :
 BNA_M
 ClientSampleId :
 A4TW1

Tgt Ion: 266 Resp: 34
 Ion Ratio Lower Upper
 266 100
 264 67.6 51.8 77.8
 268 58.8 46.8 70.2

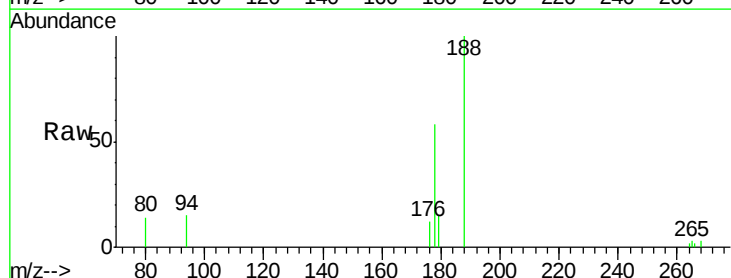


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

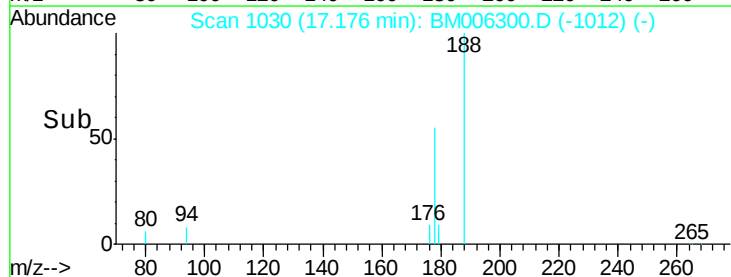
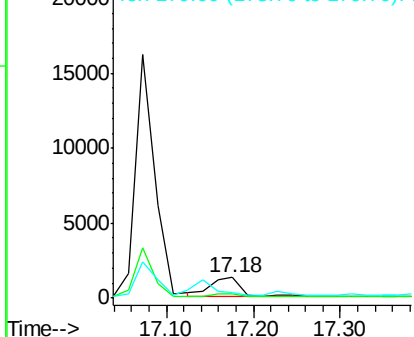


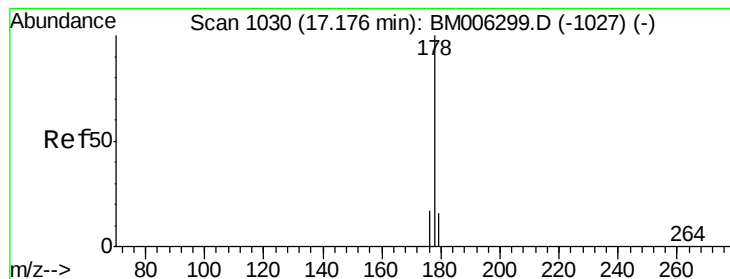
#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.18 min Scan# 1030
 Delta R.T. 0.10 min
 Lab File: BM006300.D
 Acq: 07 Jul 2016 02:17

Tgt Ion: 178 Resp: 3018
 Ion Ratio Lower Upper
 178 100
 176 20.1 13.0 19.4#
 179 25.3 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: 17.18 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BM006300.D

Acq: 07 Jul 2016 02:17

Instrument :

BNA_M

ClientSampleId :

A4TW1

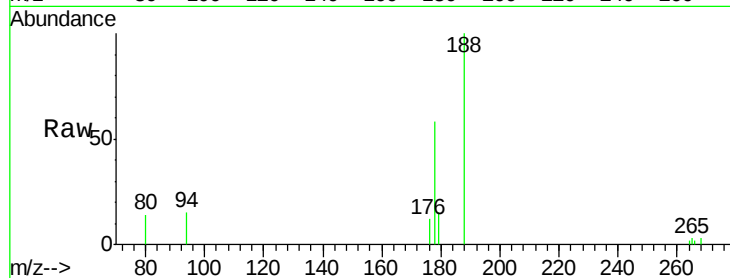
Tgt Ion:178 Resp: 2726

Ion Ratio Lower Upper

178 100

176 20.1 14.0 21.0

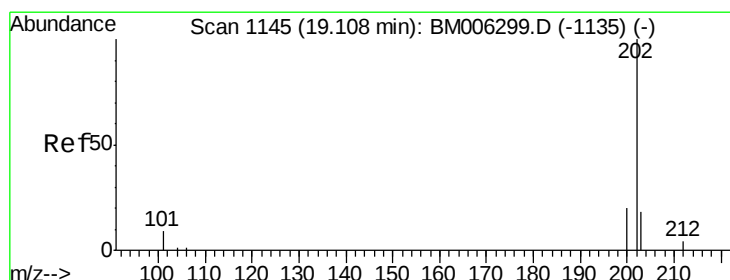
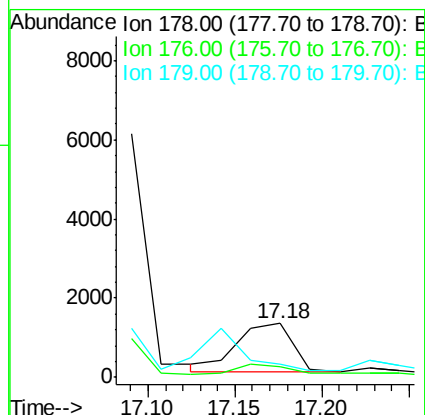
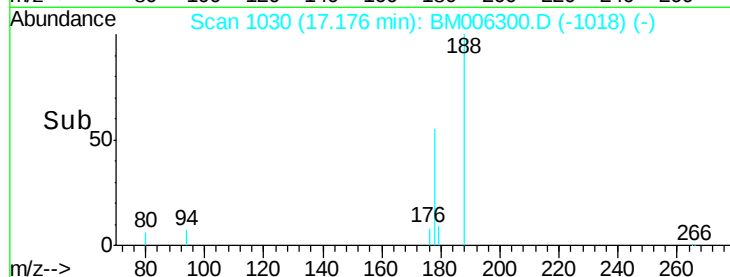
179 25.3 12.9 19.3#



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: 19.26 min Scan# 1157

Delta R.T. 0.15 min

Lab File: BM006300.D

Acq: 07 Jul 2016 02:17

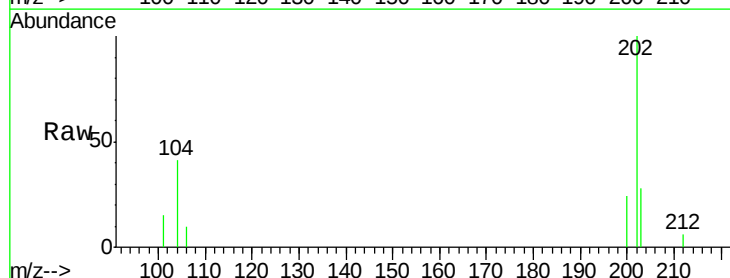
Tgt Ion:202 Resp: 1766

Ion Ratio Lower Upper

202 100

101 14.8 0.0 29.6

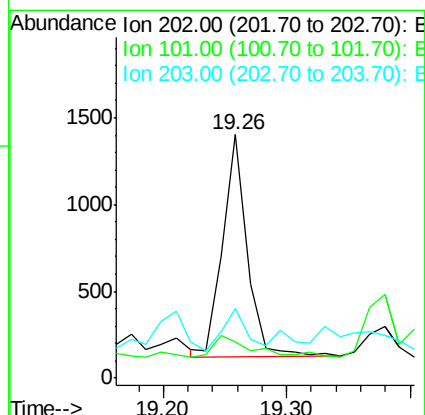
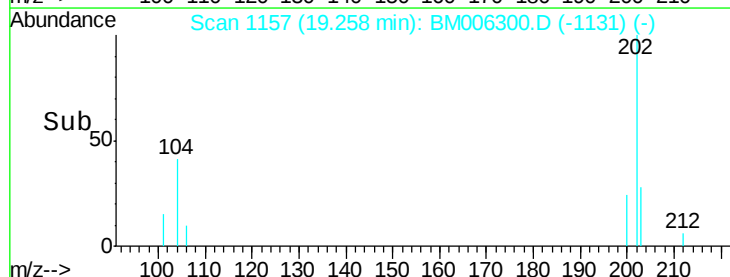
203 28.4 0.0 36.3

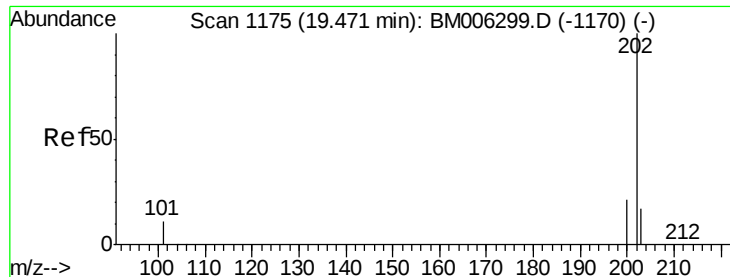


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.63 ng/ul

RT: 19.46 min Scan# 1174

Delta R.T. -0.01 min

Lab File: BM006300.D

Acq: 07 Jul 2016 02:17

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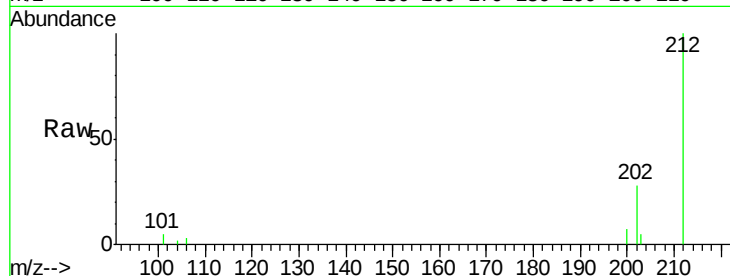
Tgt Ion:202 Resp: 40611

Ion Ratio Lower Upper

202 100

200 23.5 17.8 26.8

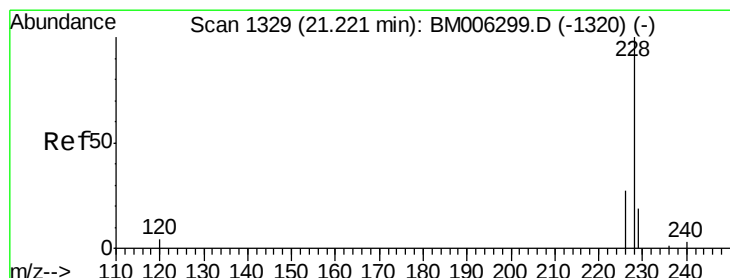
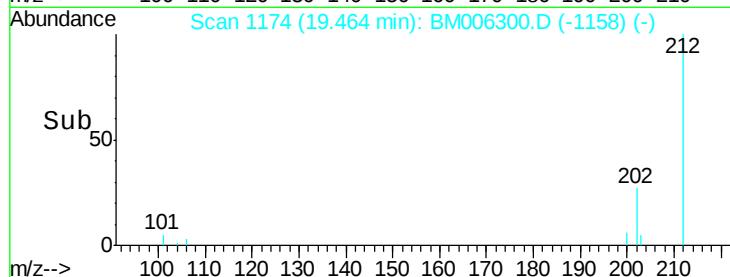
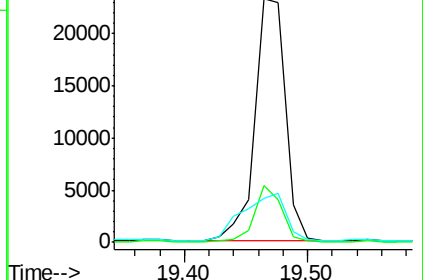
203 17.9 12.8 19.2



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: 0.26 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006300.D

Acq: 07 Jul 2016 02:17

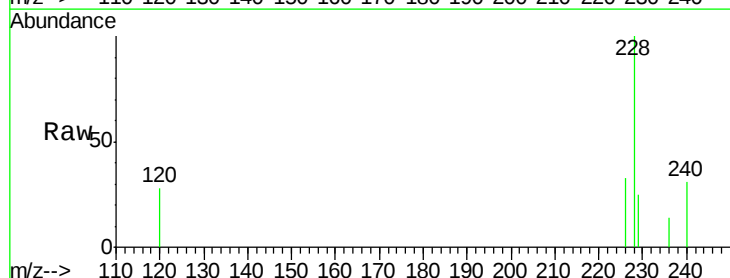
Tgt Ion:228 Resp: 12918

Ion Ratio Lower Upper

228 100

226 33.0 18.8 28.2#

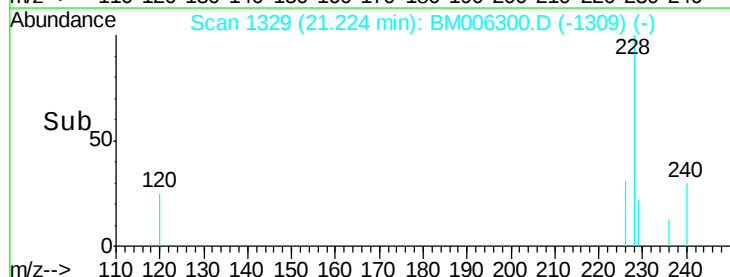
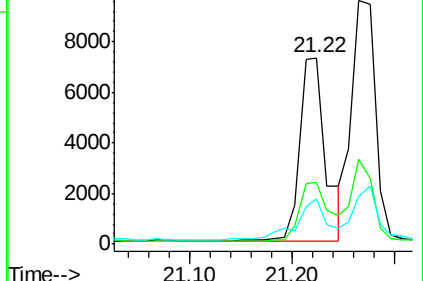
229 24.5 17.1 25.7

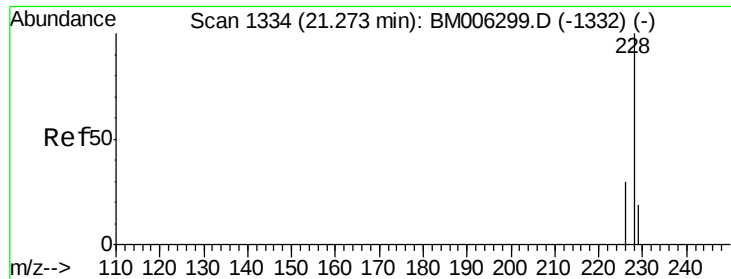


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.32 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BM006300.D

Acq: 07 Jul 2016 02:17

Instrument :

BNA_M

ClientSampleId :

A4TW1

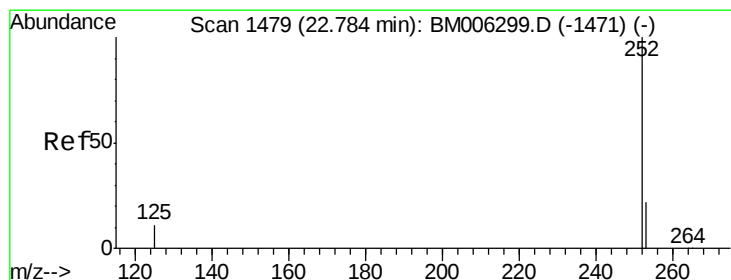
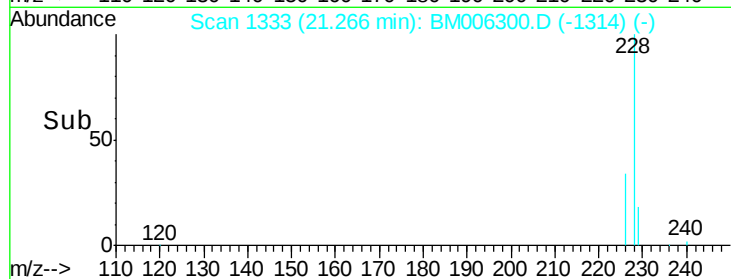
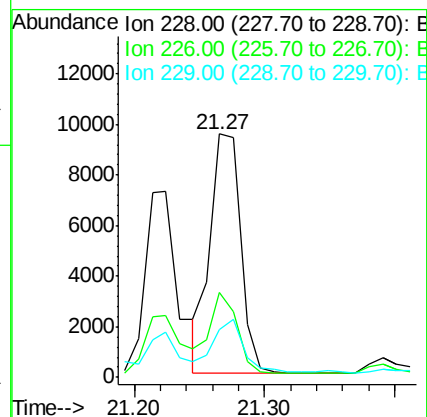
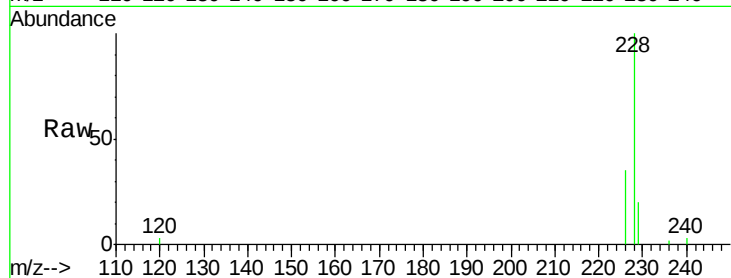
Tgt Ion:228 Resp: 15451

Ion Ratio Lower Upper

228 100

226 34.6 21.2 31.8#

229 19.7 17.0 25.6



#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006300.D

Acq: 07 Jul 2016 02:17

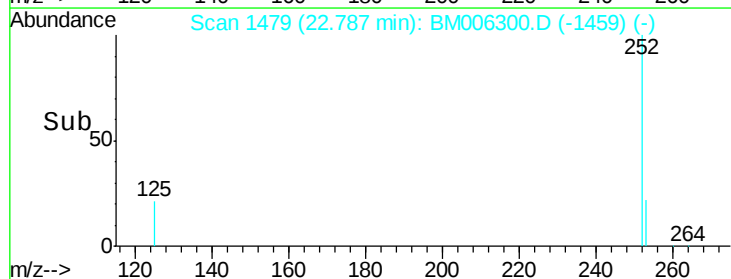
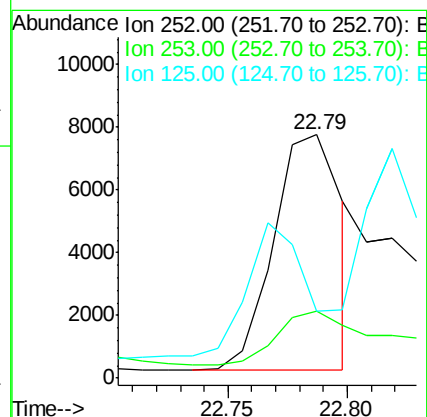
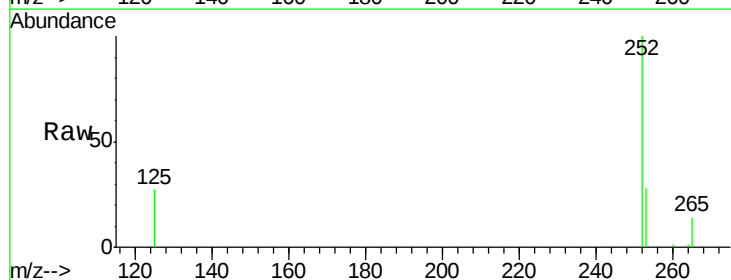
Tgt Ion:252 Resp: 14950

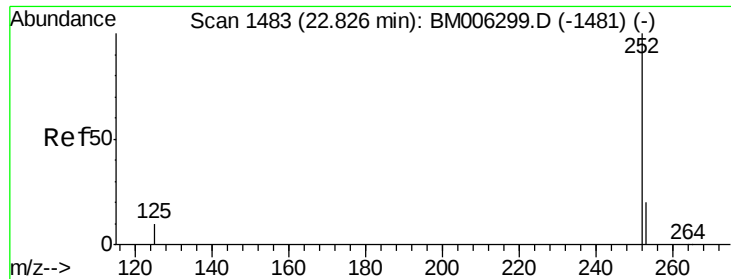
Ion Ratio Lower Upper

252 100

253 27.6 0.0 45.4

125 27.5 0.0 28.8





#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.79 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006300.D

Acq: 07 Jul 2016 02:17

Instrument :

BNA_M

ClientSampleId :

A4TW1

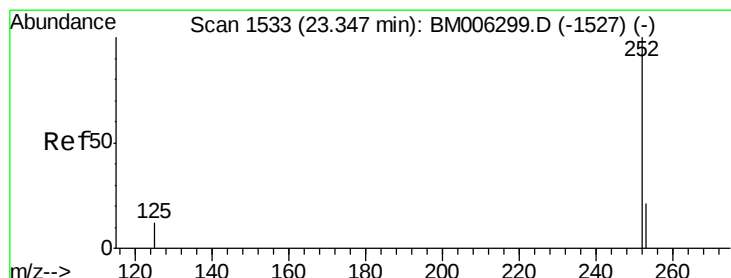
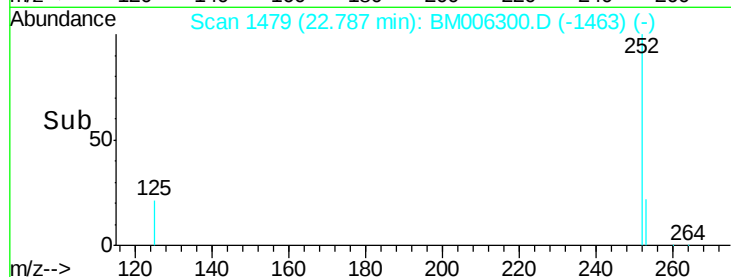
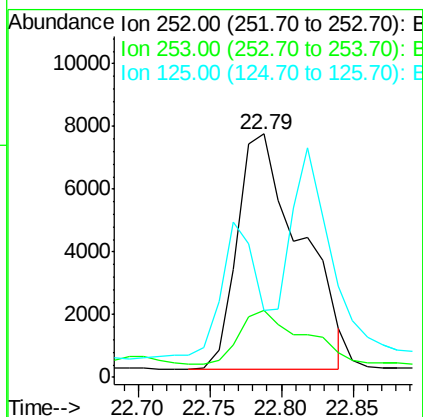
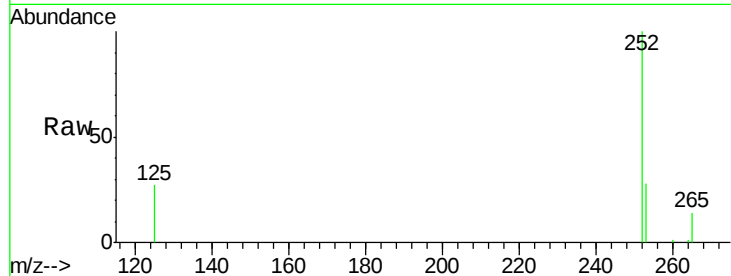
Tgt Ion:252 Resp: 23122

Ion Ratio Lower Upper

252 100

253 27.6 19.8 29.8

125 27.5 10.4 15.6#



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.26 min Scan# 1524

Delta R.T. -0.09 min

Lab File: BM006300.D

Acq: 07 Jul 2016 02:17

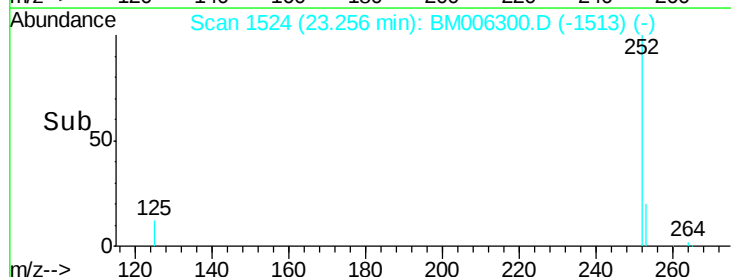
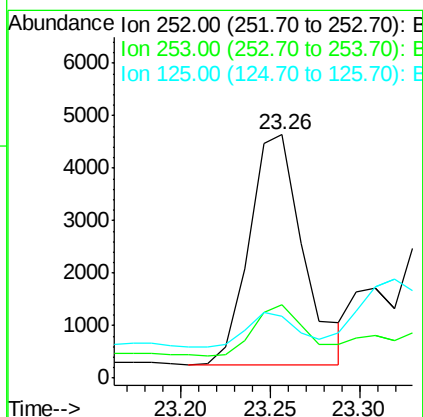
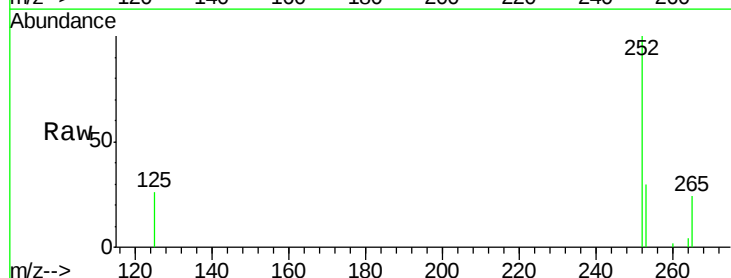
Tgt Ion:252 Resp: 9182

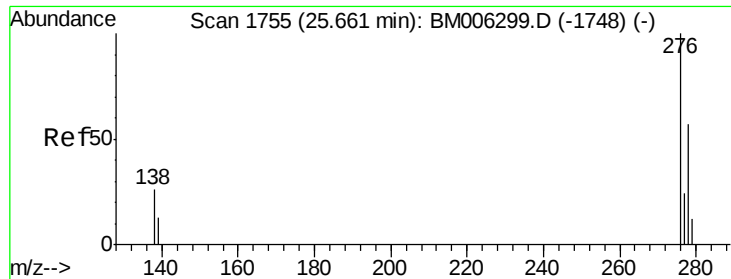
Ion Ratio Lower Upper

252 100

253 30.2 19.4 29.2#

125 25.5 12.7 19.1#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.65 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BM006300.D

Acq: 07 Jul 2016 02:17

Instrument :

BNA_M

ClientSampleId :

A4TW1

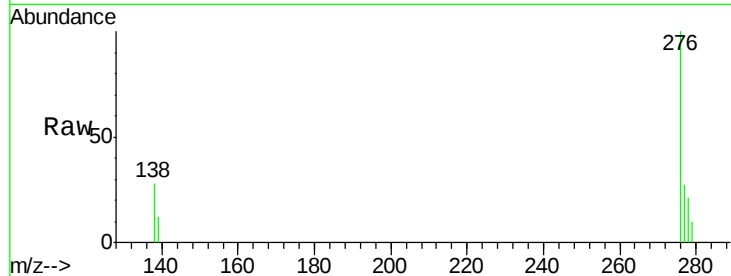
Tgt Ion:276 Resp: 6090

Ion Ratio Lower Upper

276 100

138 22.8 16.3 24.5

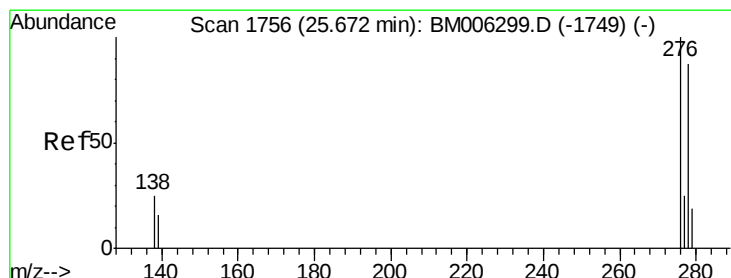
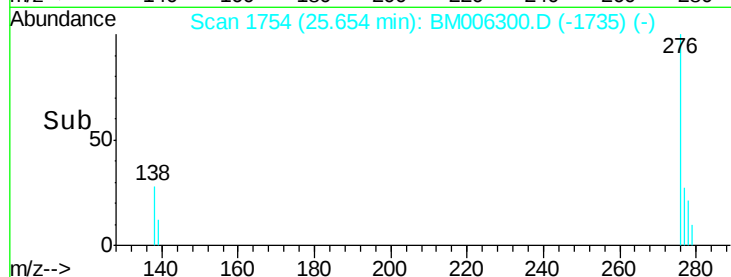
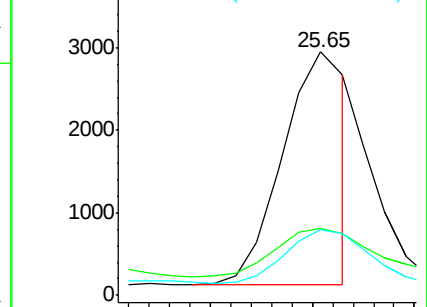
277 22.2 19.8 29.8



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: 25.58 min Scan# 1747

Delta R.T. -0.09 min

Lab File: BM006300.D

Acq: 07 Jul 2016 02:17

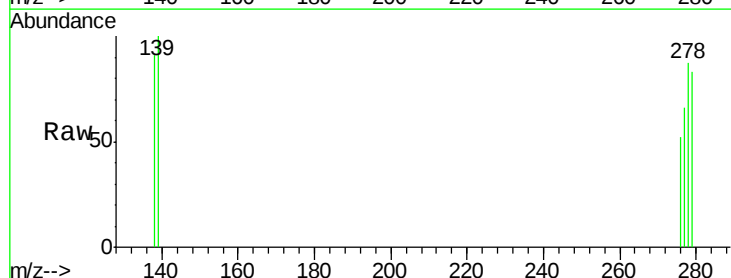
Tgt Ion:278 Resp: 1167

Ion Ratio Lower Upper

278 100

139 115.0 16.4 24.6#

279 95.2 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

