

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032516\
 Data File : BM004793.D
 Acq On : 26 Mar 2016 01:10
 Operator : UM/SJ
 Sample : H1909-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T40

Quant Time: Mar 26 05:40:27 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 26 05:39:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	29	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	54	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	30	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	29	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	59	5.00	ng/ul	0.01
22) Perylene-d12	23.69	264	14	5.00	ng/ul	0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.35	96	9	0.69	ng/uL	0.03
6) 2-Methylnaphthalene-d10	12.19	152	37	0.49	ng/ul	-0.01
16) Fluoranthene-d10	19.23	212	9	0.13	ng/ul	0.00

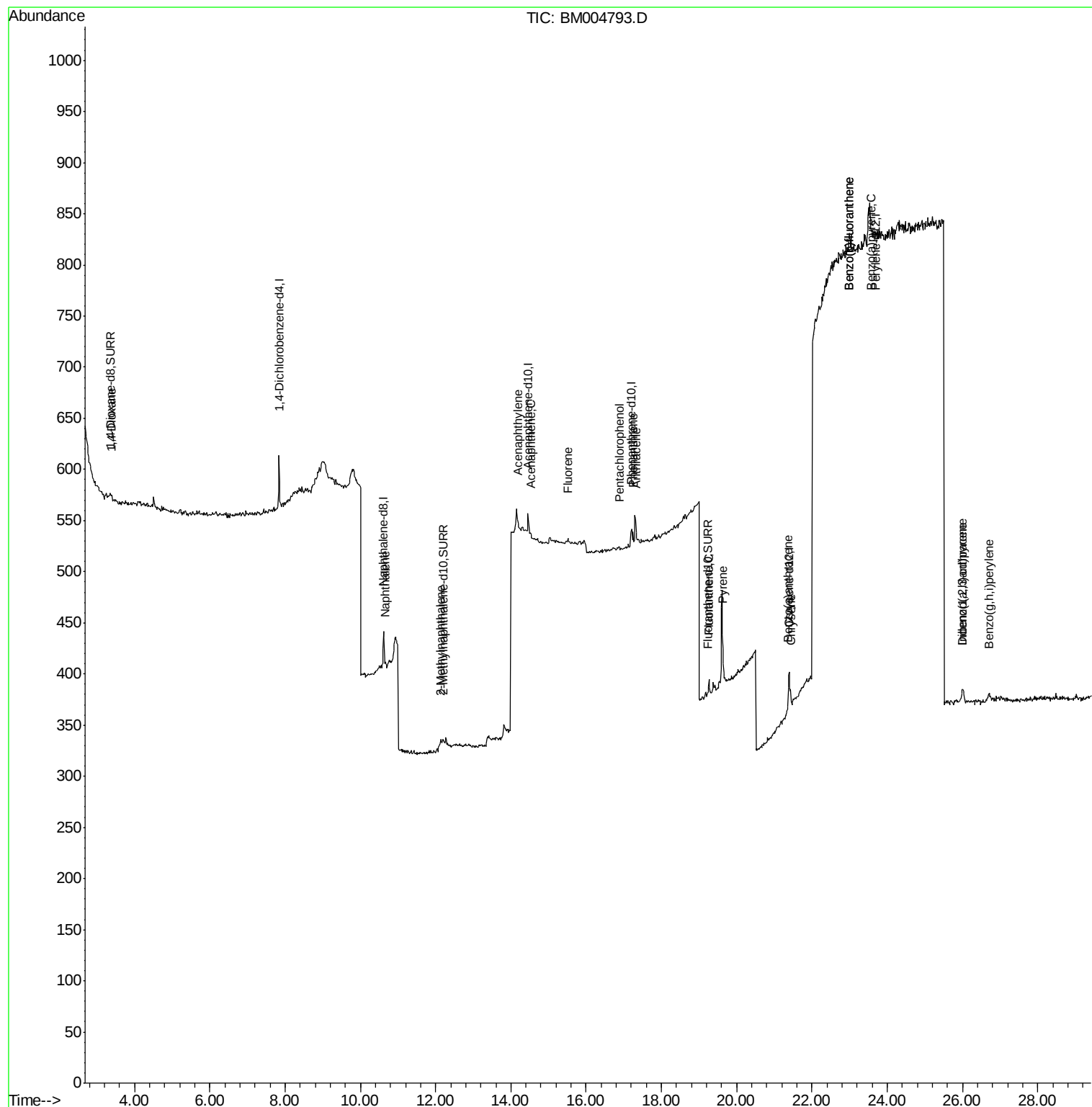
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.38	88	11	0.69	ng/ul#	73
5) Naphthalene	10.67	128	7	0.05	ng/ul#	1
7) 2-Methylnaphthalene	12.13	142	1	0.01	ng/ul	87
9) Acenaphthylene	14.18	152	25	0.18	ng/ul#	1
10) Acenaphthene	14.52	153	5	0.05	ng/ul#	64
11) Fluorene	15.51	166	14	0.12	ng/ul#	47
13) Pentachlorophenol	16.88	266	1	0.14	ng/ul#	30
14) Phenanthrene	17.24	178	19	0.23	ng/ul#	1
15) Anthracene	17.33	178	10	0.13	ng/ul#	1
17) Fluoranthene	19.27	202	21	0.23	ng/ul#	1
19) Pyrene	19.63	202	28	0.14	ng/ul#	1
20) Benzo(a)anthracene	21.38	228	18	0.10	ng/ul#	1
21) Chrysene	21.43	228	16	0.09	ng/ul#	1
23) Benzo(b)fluoranthene	22.99	252	54	1.14	ng/ul#	1
24) Benzo(k)fluoranthene	22.99	252	54	1.24	ng/ul#	1
25) Benzo(a)pyrene	23.58	252	16	0.37	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.99	276	24	0.60	ng/ul#	20
27) Dibenzo(a,h)anthracene	26.01	278	16	0.51	ng/ul#	1
28) Benzo(g,h,i)perylene	26.71	276	26	0.79	ng/ul#	1

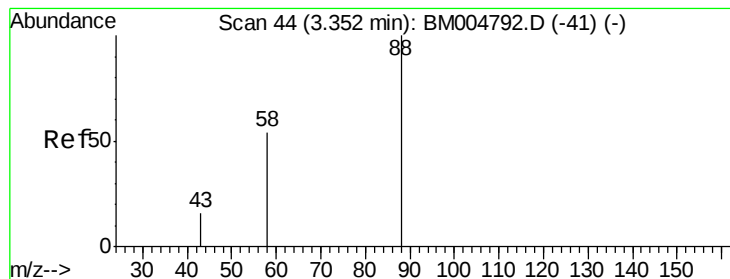
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.69 ng/ul

RT: 3.38 min Scan# 46

Delta R.T. 0.03 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

Instrument :

BNA_M

ClientSampleId :

A4T40

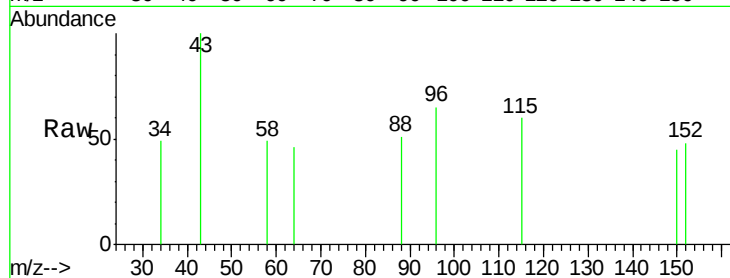
Tgt Ion: 88 Resp: 11

Ion Ratio Lower Upper

88 100

58 0.0 8.0 12.0#

43 0.0 8.0 12.0#

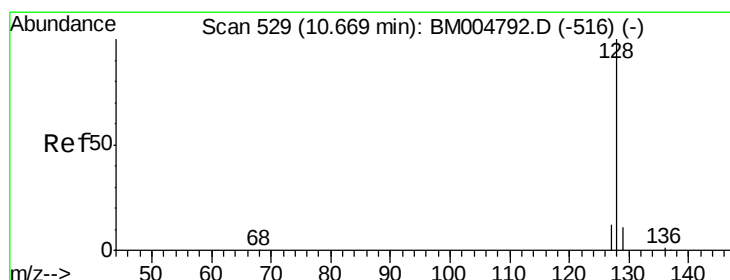
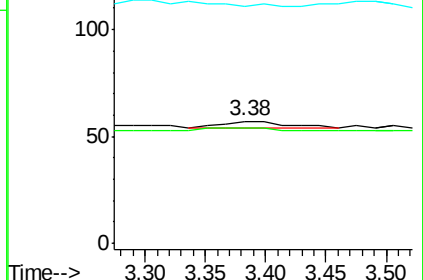
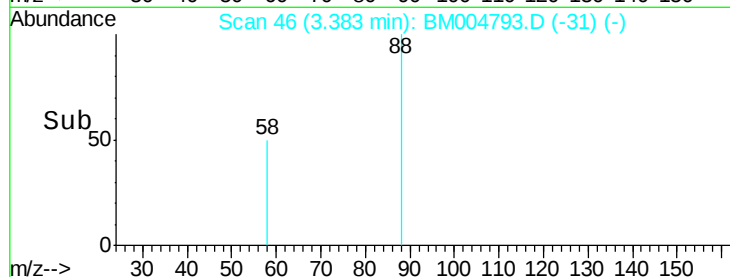


Abundance Ion 88.00 (87.70 to 88.70): BM004793.D (-31) (-)

Ion 58.00 (57.70 to 58.70): BM004793.D (-31) (-)

Ion 43.00 (42.70 to 43.70): BM004793.D (-31) (-)

Time-->



#5

Naphthalene

Concen: 0.05 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

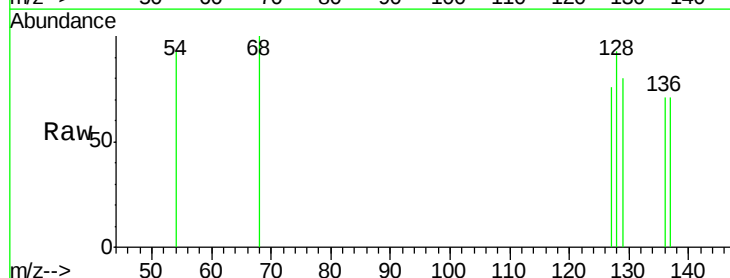
Tgt Ion: 128 Resp: 7

Ion Ratio Lower Upper

128 100

129 86.2 9.0 13.6#

127 81.5 9.6 14.4#

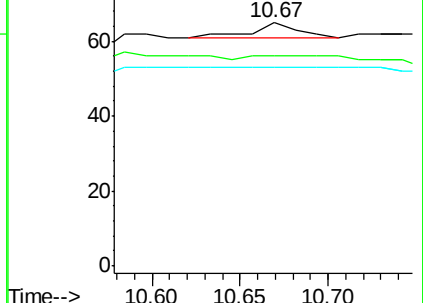
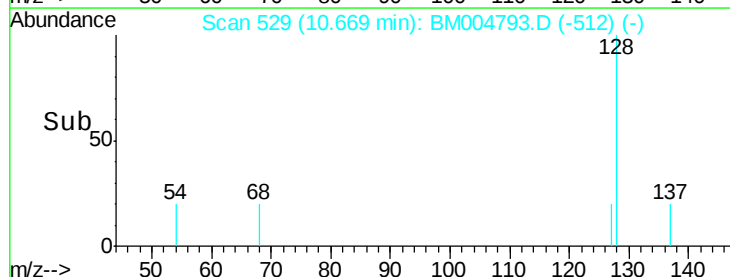


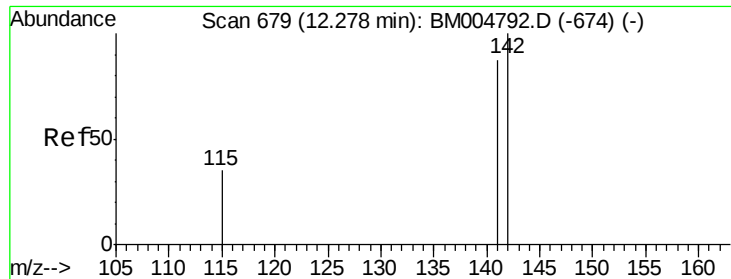
Abundance Ion 128.00 (127.70 to 128.70): BM004793.D (-512) (-)

Ion 129.00 (128.70 to 129.70): BM004793.D (-512) (-)

Ion 127.00 (126.70 to 127.70): BM004793.D (-512) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.15 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

Instrument :

BNA_M

ClientSampleId :

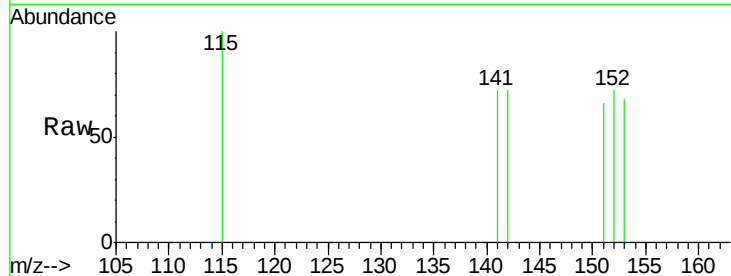
A4T40

Tgt Ion:142 Resp: 1

Ion Ratio Lower Upper

142 100

141 100.0 70.3 105.5

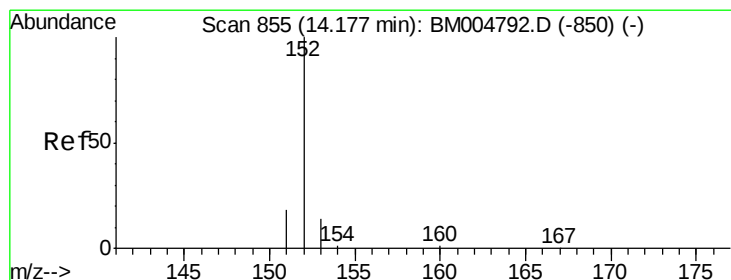
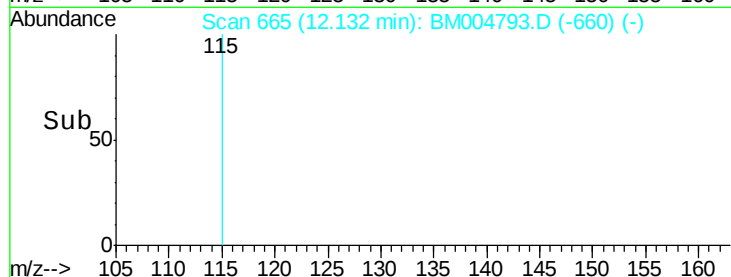


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.13

Time--> 12.10 12.15 12.20



#9

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

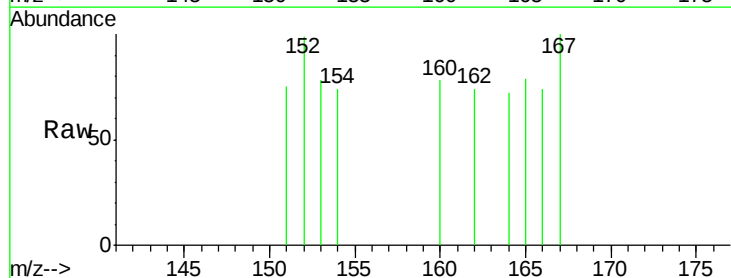
Tgt Ion:152 Resp: 25

Ion Ratio Lower Upper

152 100

151 76.1 17.6 26.4#

153 79.1 9.7 14.5#



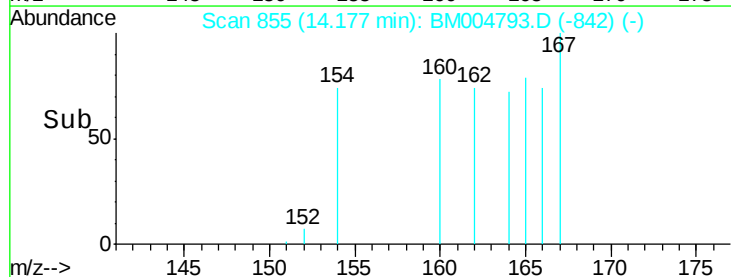
Abundance Ion 152.00 (151.70 to 152.70): E

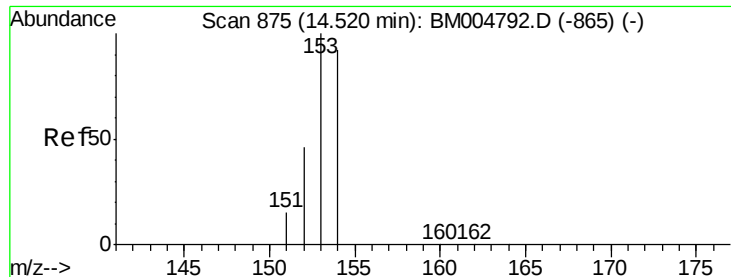
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.18

Time--> 14.00 14.20





#10

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

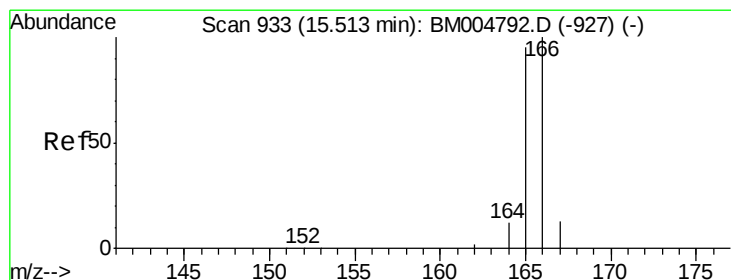
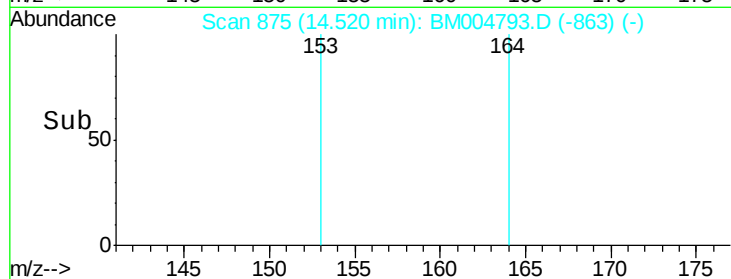
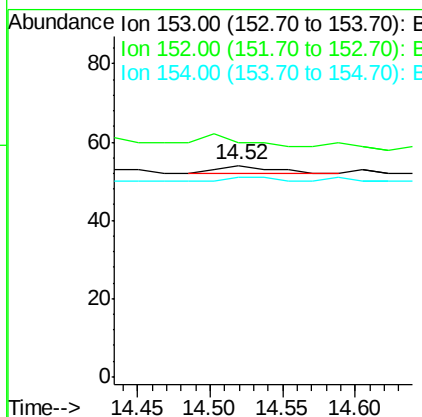
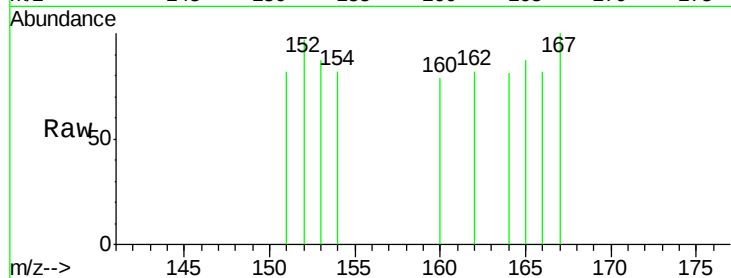
Instrument :

BNA_M

ClientSampleId :

A4T40

Tgt Ion:	153	Resp:	5
Ion	Ratio	Lower	Upper
153	100		
152	111.1	33.9	50.9#
154	94.4	80.6	121.0



#11

Fluorene

Concen: 0.12 ng/ul

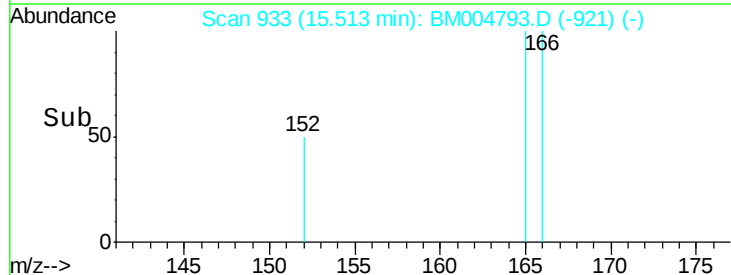
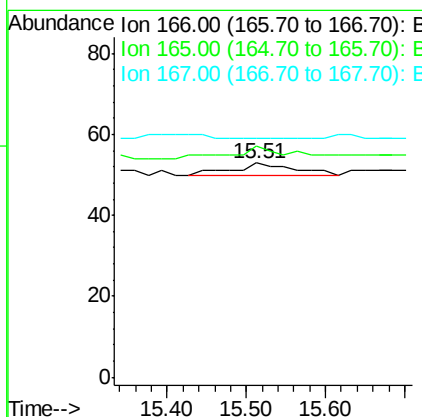
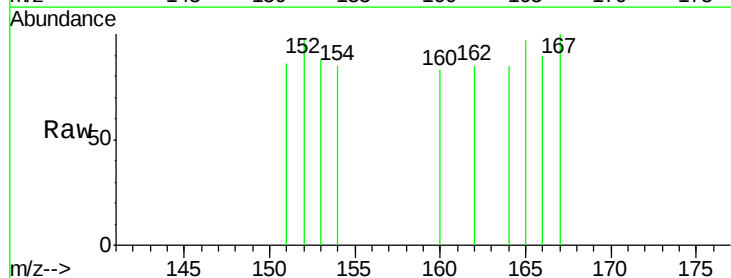
RT: 15.51 min Scan# 933

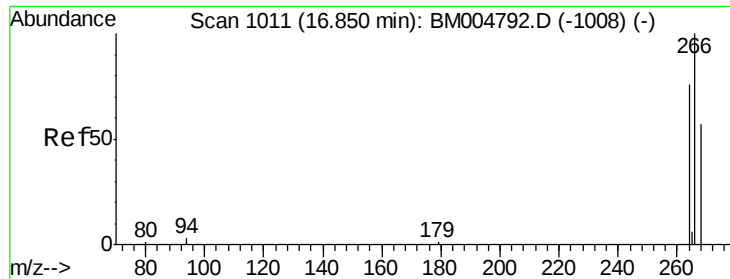
Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

Tgt Ion:	166	Resp:	14
Ion	Ratio	Lower	Upper
166	100		
165	107.5	69.6	104.4#
167	111.3	11.9	17.9#

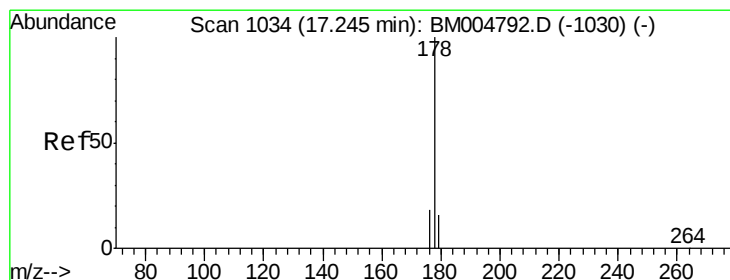
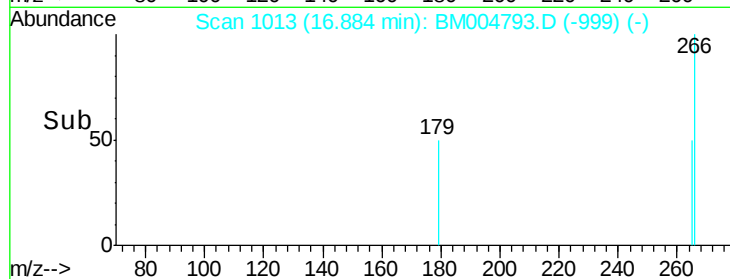
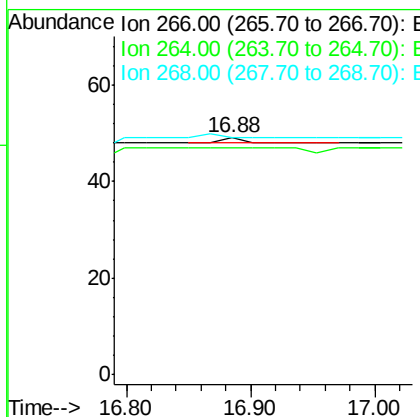
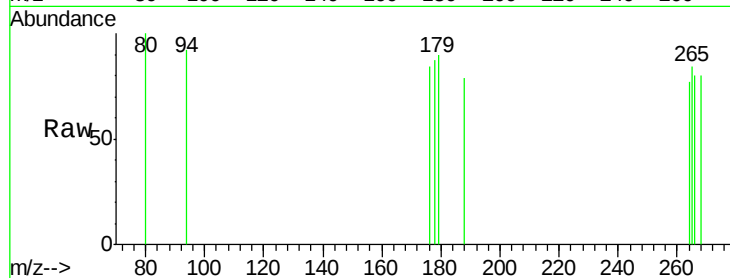




#13
 Pentachlorophenol
 Concen: 0.14 ng/ul
 RT: 16.88 min Scan# 1013
 Delta R.T. 0.03 min
 Lab File: BM004793.D
 Acq: 26 Mar 2016 01:10

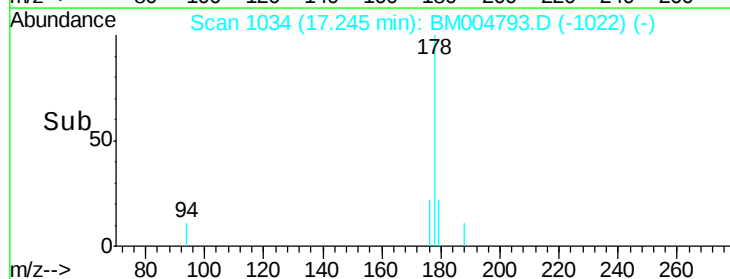
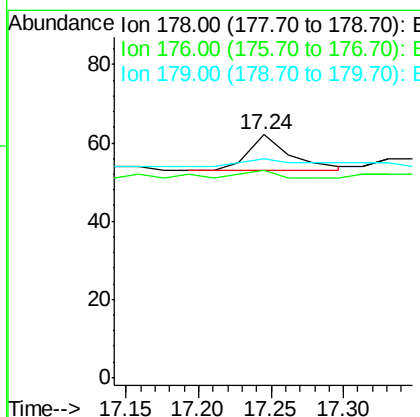
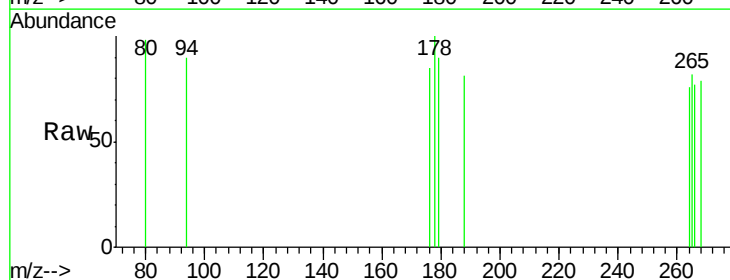
Instrument :
 BNA_M
 ClientSampleId :
 A4T40

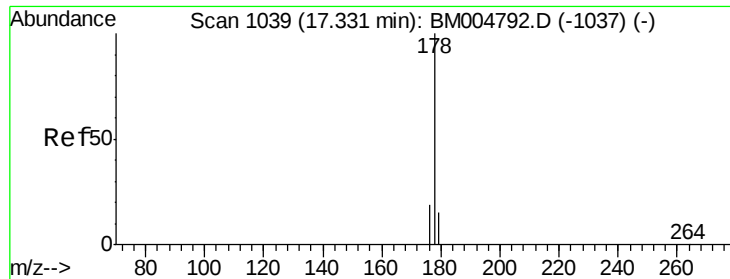
Tgt Ion: 266 Resp: 1
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.8 77.8#
 268 100.0 46.8 70.2#



#14
 Phenanthrene
 Concen: 0.23 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BM004793.D
 Acq: 26 Mar 2016 01:10

Tgt Ion: 178 Resp: 19
 Ion Ratio Lower Upper
 178 100
 176 85.5 13.0 19.4#
 179 90.3 14.2 21.2#





#15

Anthracene

Concen: 0.13 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

Instrument :

BNA_M

ClientSampleId :

A4T40

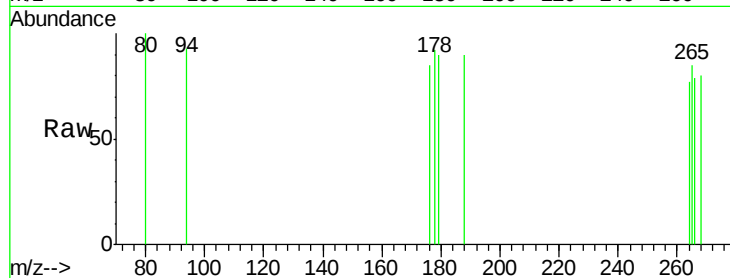
Tgt Ion:178 Resp: 10

Ion Ratio Lower Upper

178 100

176 92.9 14.0 21.0#

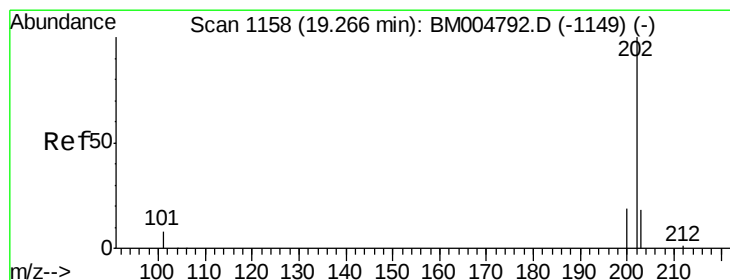
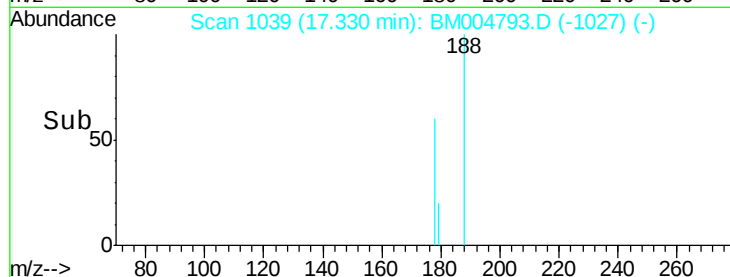
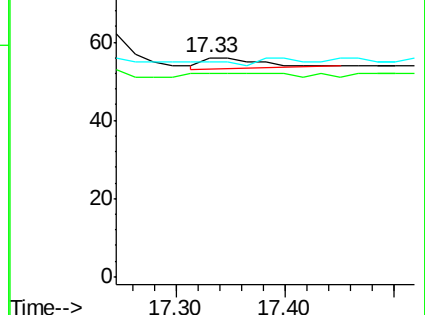
179 98.2 12.9 19.3#



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: 0.23 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

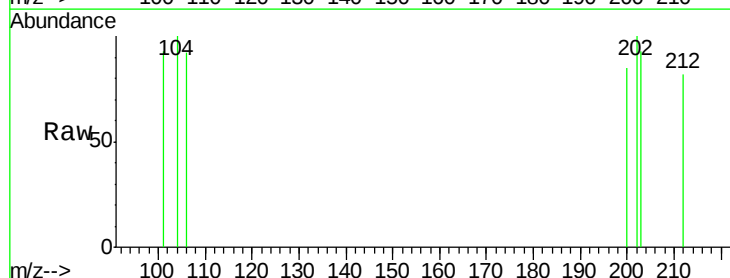
Tgt Ion:202 Resp: 21

Ion Ratio Lower Upper

202 100

101 93.4 0.0 29.6#

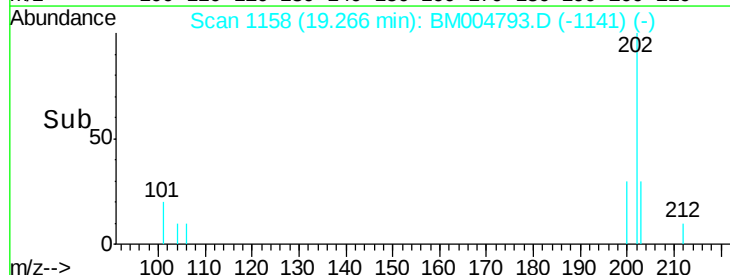
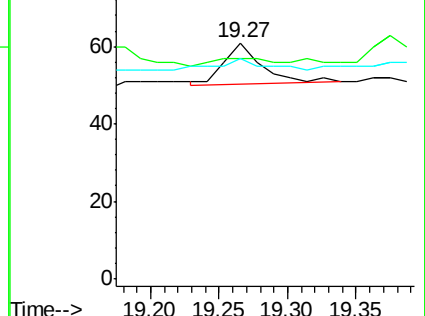
203 93.4 0.0 36.3#

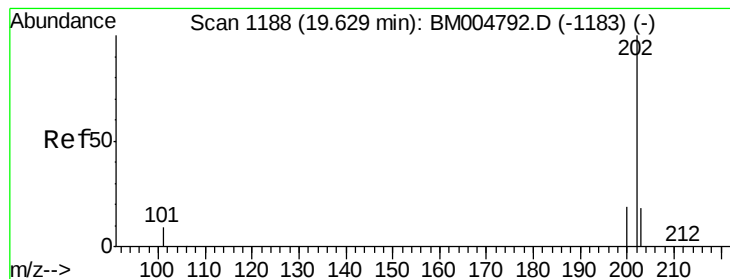


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.14 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

Instrument :

BNA_M

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A4T40

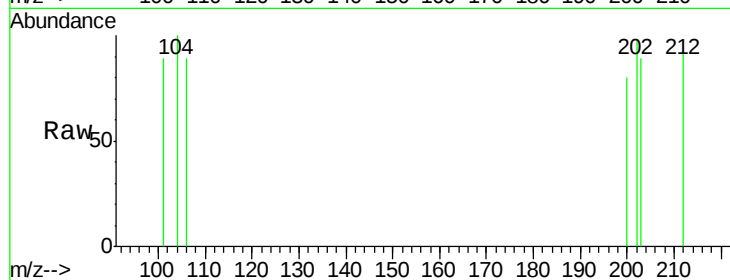
Tgt Ion:202 Resp: 28

Ion Ratio Lower Upper

202 100

200 81.5 17.8 26.8#

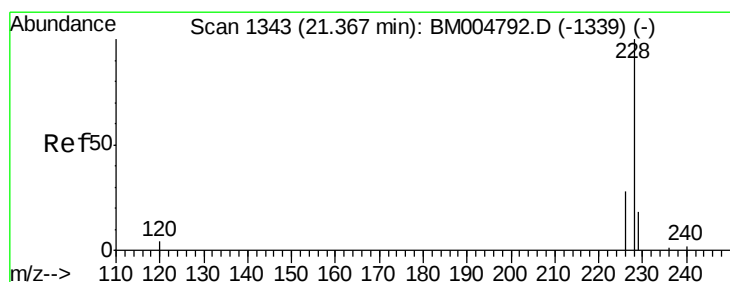
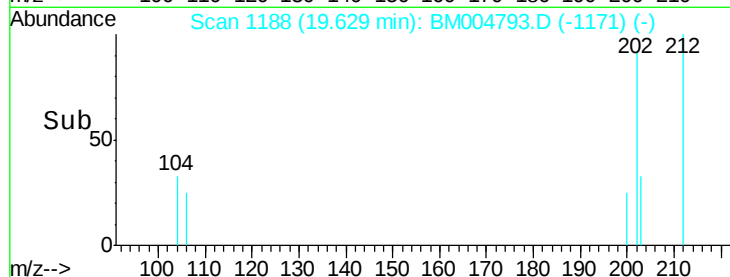
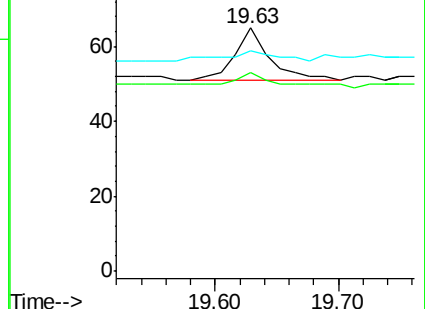
203 90.8 12.8 19.2#



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: 0.10 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.01 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

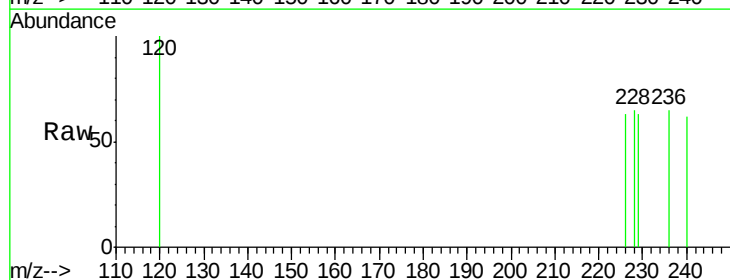
Tgt Ion:228 Resp: 18

Ion Ratio Lower Upper

228 100

226 96.7 18.8 28.2#

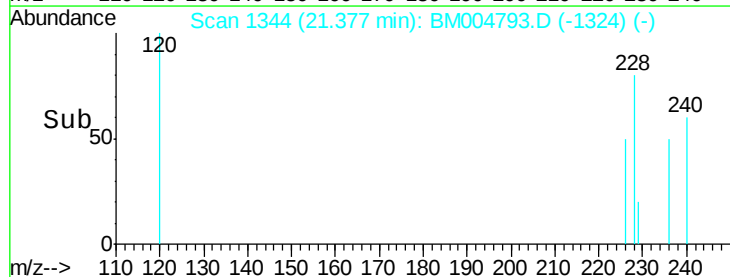
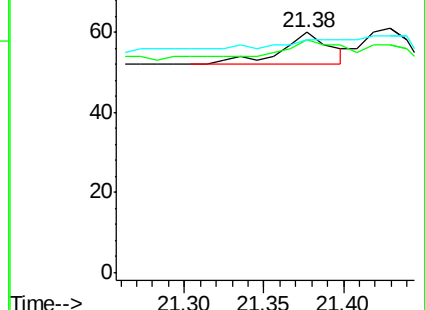
229 96.7 17.1 25.7#

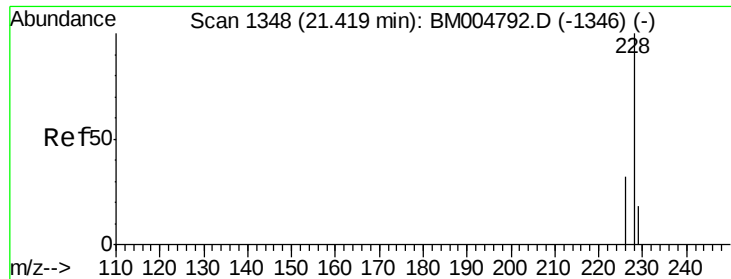


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.09 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

Instrument :

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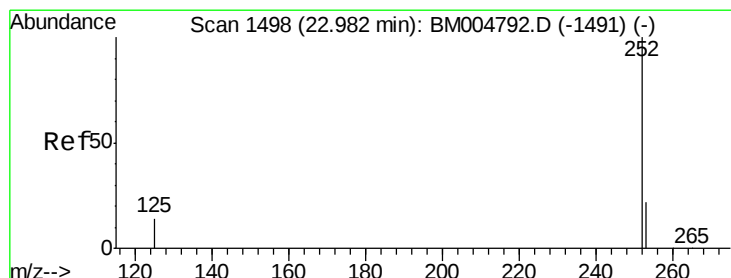
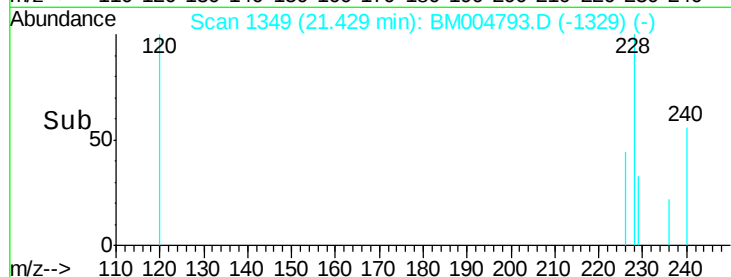
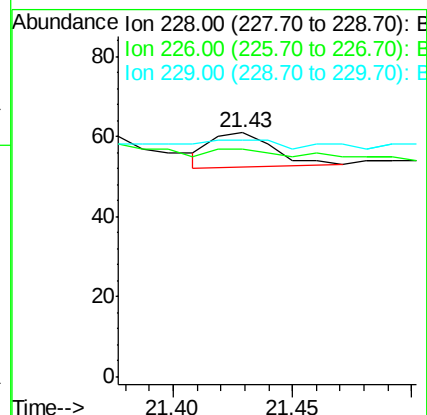
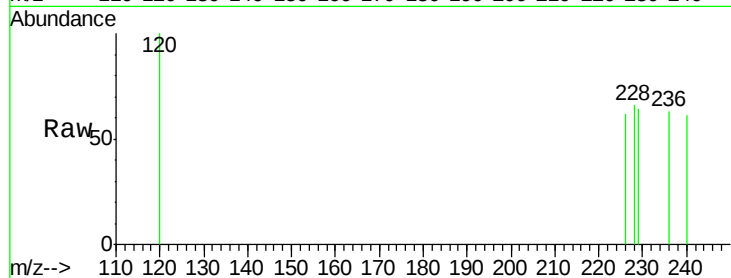
Tgt Ion:228 Resp: 16

Ion Ratio Lower Upper

228 100

226 93.4 21.2 31.8#

229 96.7 17.0 25.6#



#23

Benzo(b)fluoranthene

Concen: 1.14 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. 0.01 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

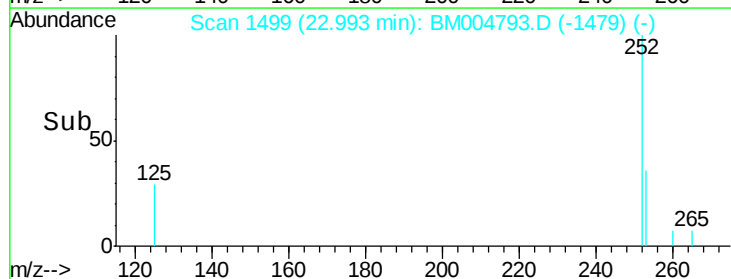
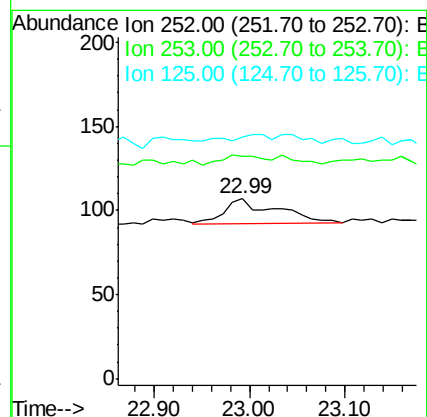
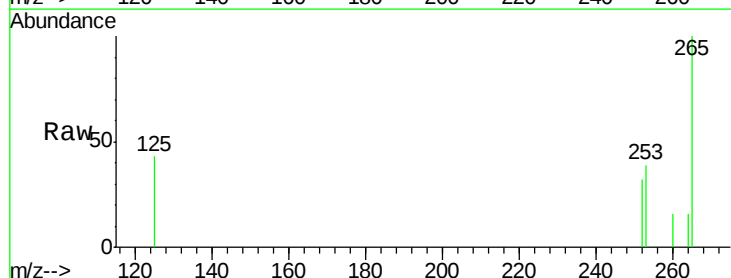
Tgt Ion:252 Resp: 54

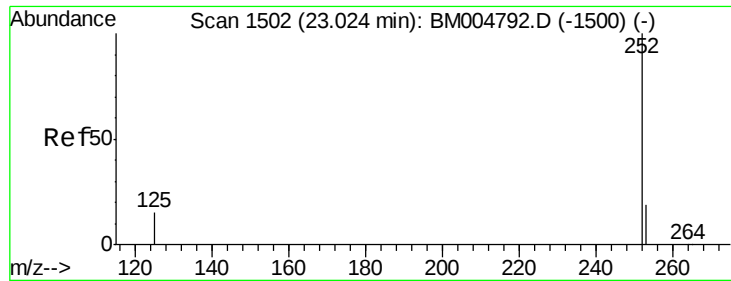
Ion Ratio Lower Upper

252 100

253 123.4 0.0 45.4#

125 134.6 0.0 28.8#





#24

Benzo(k)fluoranthene

Concen: 1.24 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.03 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

Instrument :

BNA_M

ClientSampleId :

A4T40

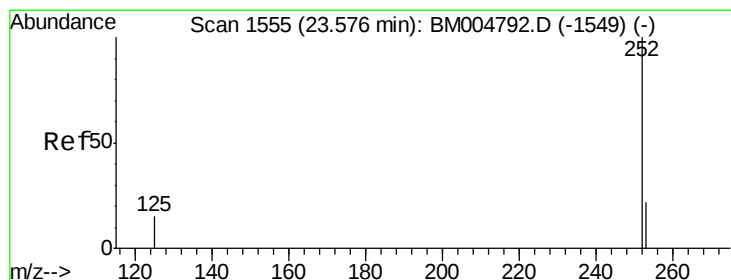
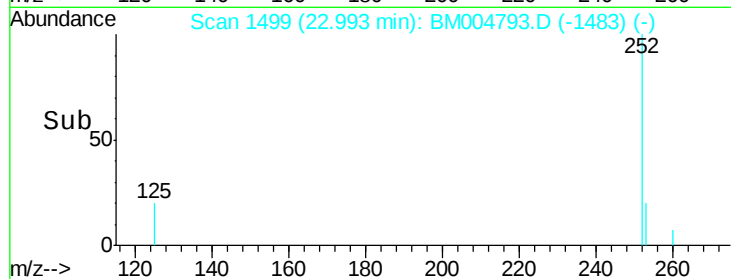
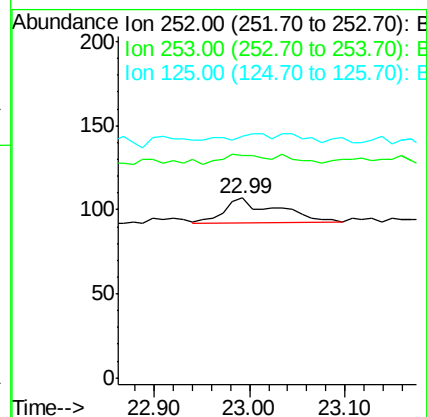
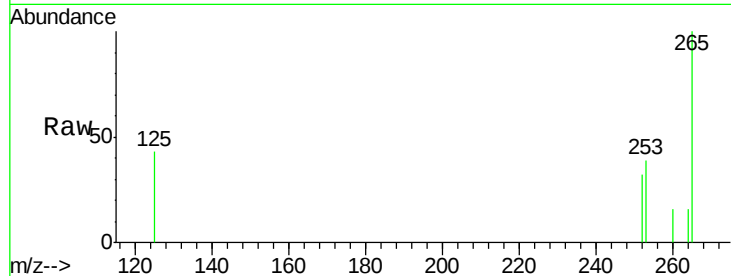
Tgt Ion: 252 Resp: 54

Ion Ratio Lower Upper

252 100

253 123.4 19.8 29.8#

125 134.6 10.4 15.6#



#25

Benzo(a)pyrene

Concen: 0.37 ng/ul

RT: 23.58 min Scan# 1555

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

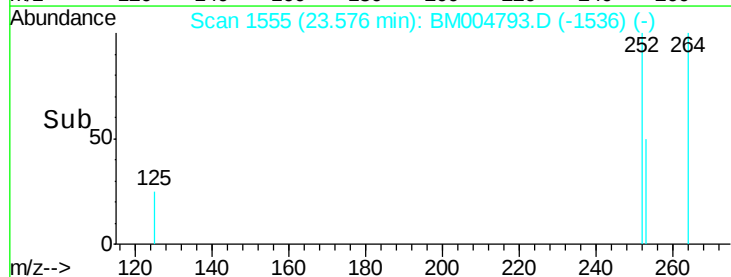
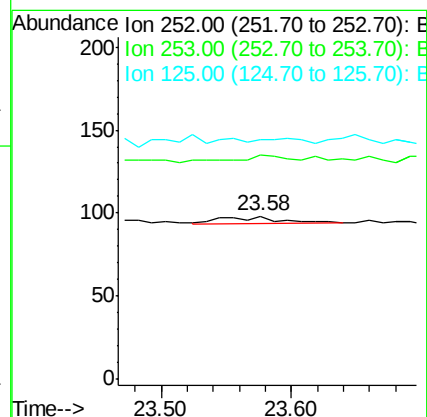
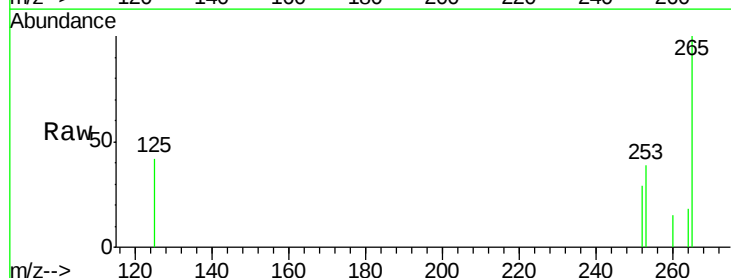
Tgt Ion: 252 Resp: 16

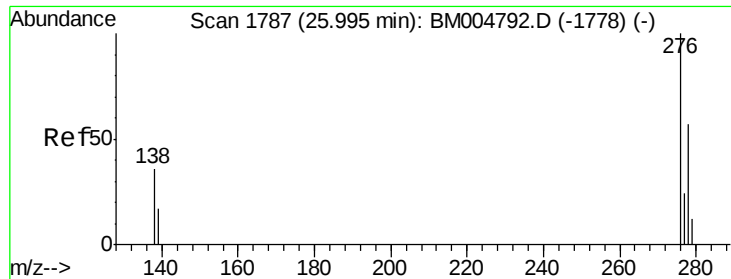
Ion Ratio Lower Upper

252 100

253 137.8 19.4 29.2#

125 146.9 12.7 19.1#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.60 ng/ul

RT: 25.99 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

Instrument :

BNA_M

ClientSampleId :

A4T40

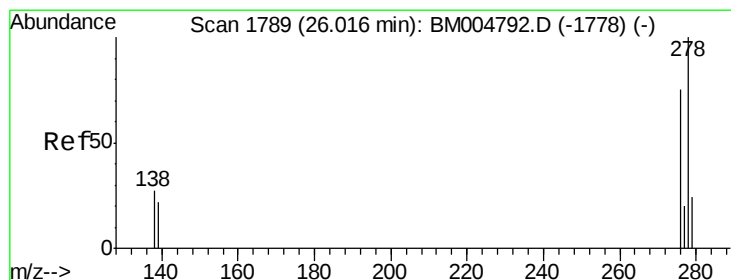
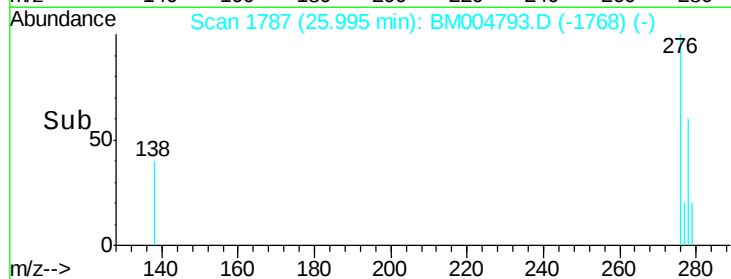
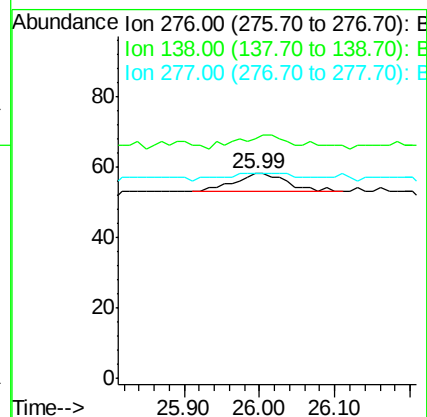
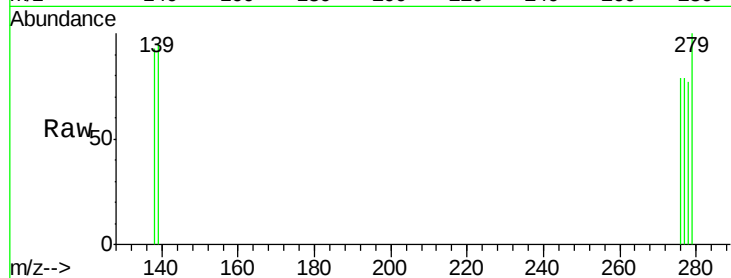
Tgt Ion:276 Resp: 24

Ion Ratio Lower Upper

276 100

138 75.0 16.3 24.5#

277 0.0 19.8 29.8#



#27

Dibenzo(a,h)anthracene

Concen: 0.51 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

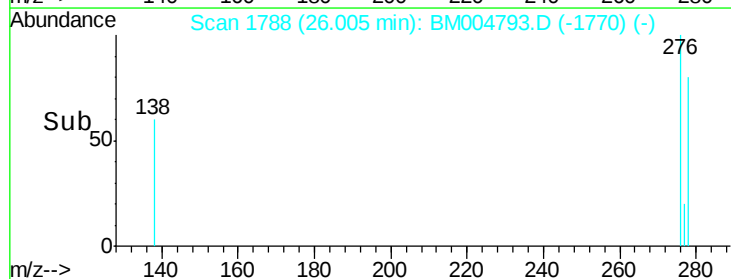
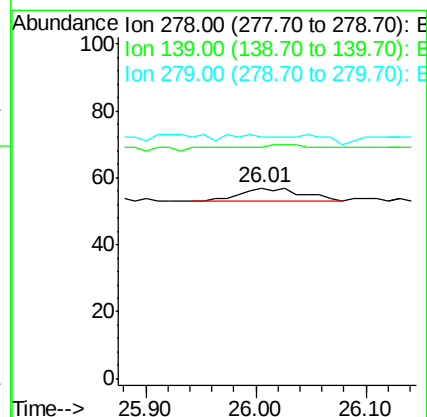
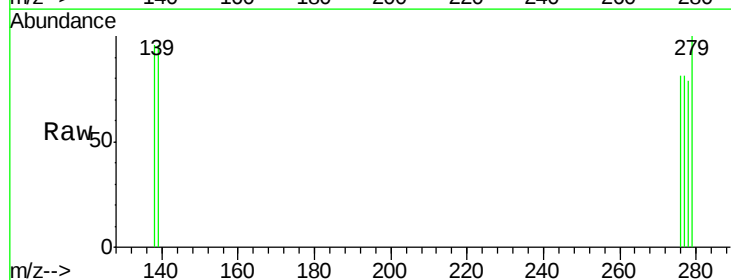
Tgt Ion:278 Resp: 16

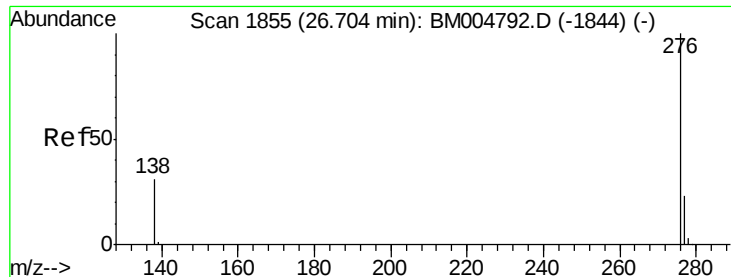
Ion Ratio Lower Upper

278 100

139 121.1 16.4 24.6#

279 126.3 20.2 30.2#





#28

Benzo(g,h,i)perylene

Concen: 0.79 ng/ul

RT: 26.71 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM004793.D

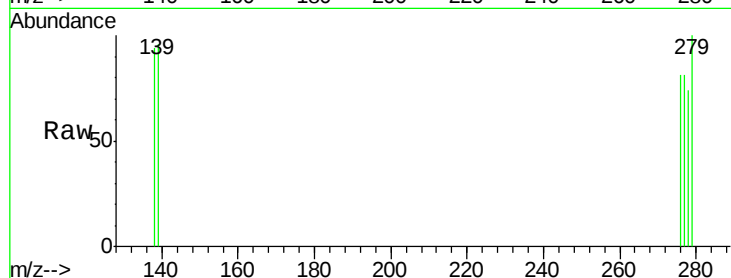
Acq: 26 Mar 2016 01:10

Instrument :

BNA_M

ClientSampleId :

A4T40



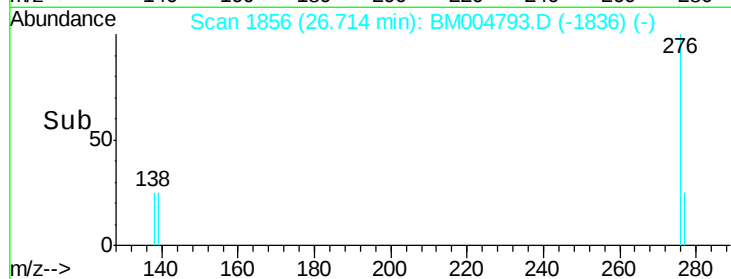
Tgt Ion: 276 Resp: 26

Ion Ratio Lower Upper

276 100

277 100.0 18.9 28.3#

138 117.2 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

