

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032216\
 Data File : BM004748.D
 Acq On : 23 Mar 2016 04:20
 Operator : UM/SJ
 Sample : H1835-25
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T36

Quant Time: Mar 23 05:12:43 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 23 06:08:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1526	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	6210	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	3340	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	492169	5.00	ng/ul	0.09
18) Chrysene-d12	21.40	240	5968	5.00	ng/ul	0.00
22) Perylene-d12	23.55	264	436373	5.00	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	2085	2.82	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	2611	0.37	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	5969	0.01	ng/ul	0.00

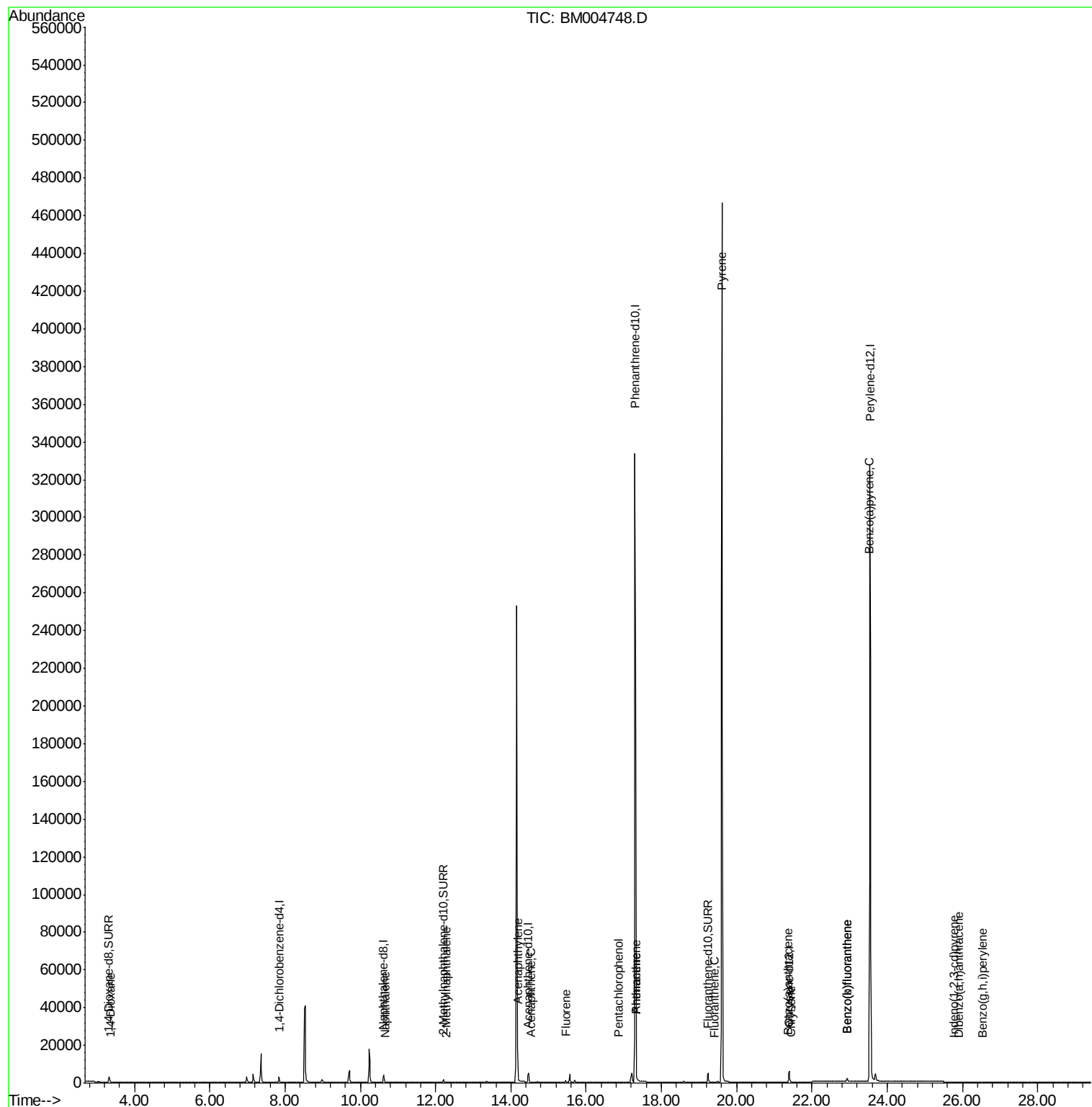
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) 1,4-Dioxane	3.35	88	115	0.13	ng/ul#	68
5) Naphthalene	10.67	128	160	0.01	ng/ul#	1
7) 2-Methylnaphthalene	12.29	142	35	0.00	ng/ul#	78
9) Acenaphthylene	14.18	152	178	0.01	ng/ul#	28
10) Acenaphthene	14.52	153	46	0.00	ng/ul#	76
11) Fluorene	15.46	166	994	0.09	ng/ul#	23
13) Pentachlorophenol	16.87	266	99	0.00	ng/ul	93
14) Phenanthrene	17.33	178	979	0.00	ng/ul#	69
15) Anthracene	17.33	178	953	0.00	ng/ul#	69
17) Fluoranthene	19.41	202	25	0.00	ng/ul#	1
19) Pyrene	19.60	202	1102	0.05	ng/ul#	1
20) Benzo(a)anthracene	21.38	228	218	0.02	ng/ul#	33
21) Chrysene	21.43	228	186	0.01	ng/ul#	33
23) Benzo(b)fluoranthene	22.93	252	13	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.93	252	13	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.53	252	1901	0.00	ng/ul#	56
26) Indeno(1,2,3-cd)pyrene	25.77	276	9	0.00	ng/ul#	49
27) Dibenzo(a,h)anthracene	25.90	278	4	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.54	276	5	0.00	ng/ul#	1

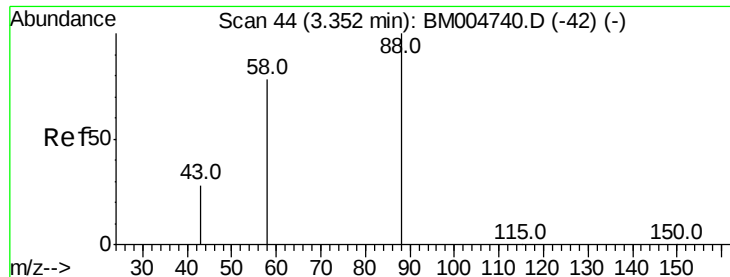
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.13 ng/ul

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BM004748.D

Acq: 23 Mar 2016 04:20

Instrument :

BNA_M

ClientSampled :

A4T36

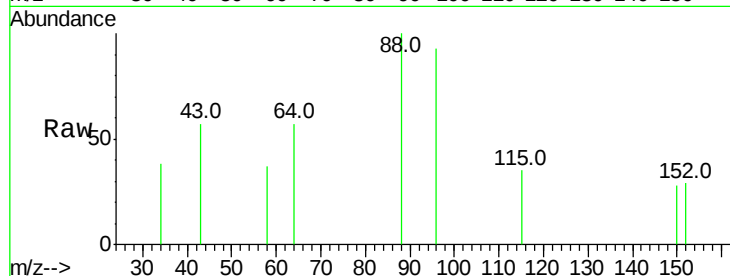
Tot Ion: 88 Resp: 115

Ion Ratio Lower Upper

88 100

58 20.0 8.0 12.0#

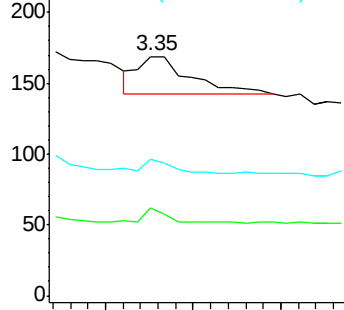
43 23.5 8.0 12.0#



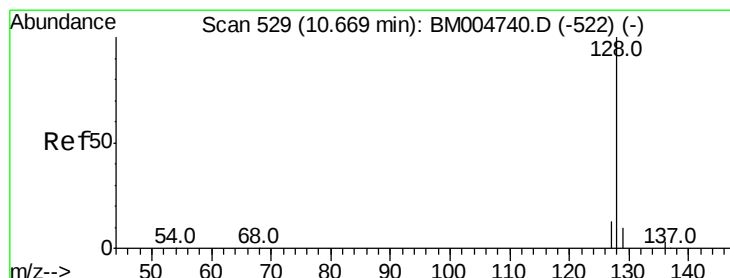
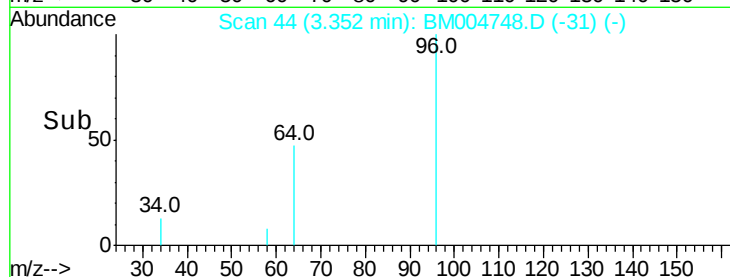
Abundance Ion 88.00 (87.70 to 88.70): BM004748.D (-42) (-)

Ion 58.00 (57.70 to 58.70): BM004748.D (-42) (-)

Ion 43.00 (42.70 to 43.70): BM004748.D (-42) (-)



Time-->



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004748.D

Acq: 23 Mar 2016 04:20

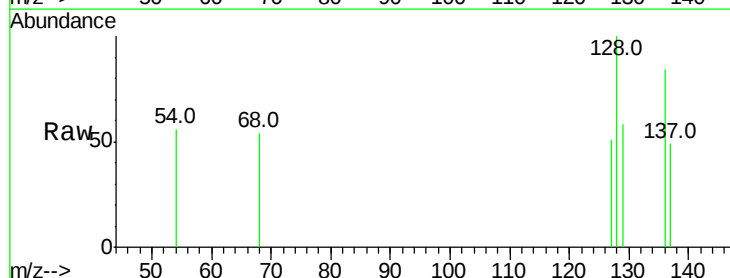
Tgt Ion: 128 Resp: 160

Ion Ratio Lower Upper

128 100

129 57.7 9.0 13.6#

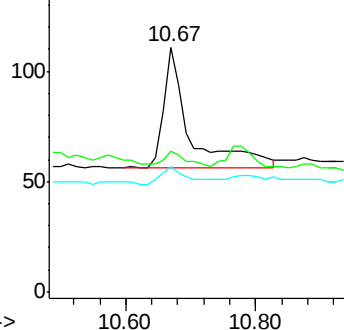
127 51.4 9.6 14.4#



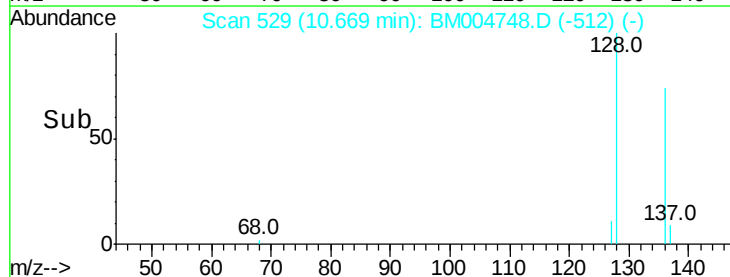
Abundance Ion 128.00 (127.70 to 128.70): BM004748.D (-522) (-)

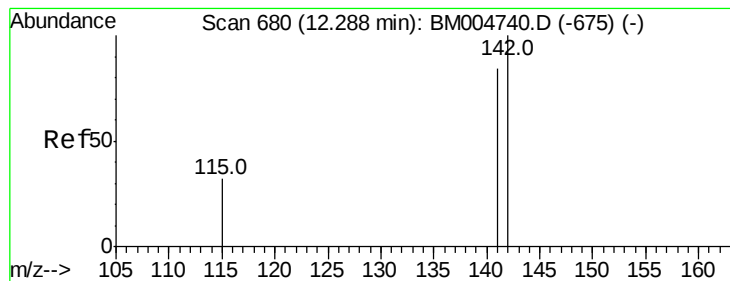
Ion 129.00 (128.70 to 129.70): BM004748.D (-522) (-)

Ion 127.00 (126.70 to 127.70): BM004748.D (-522) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. 0.00 min

Lab File: BM004748.D

Acq: 23 Mar 2016 04:20

Instrument :

BNA_M

ClientSampleId :

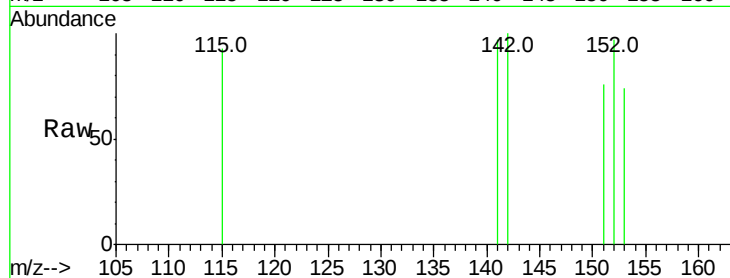
A4T36

Tot Ion:142 Resp: 35

Ion Ratio Lower Upper

142 100

141 108.6 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.29

80

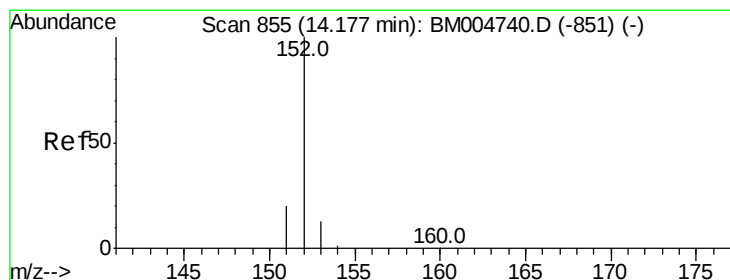
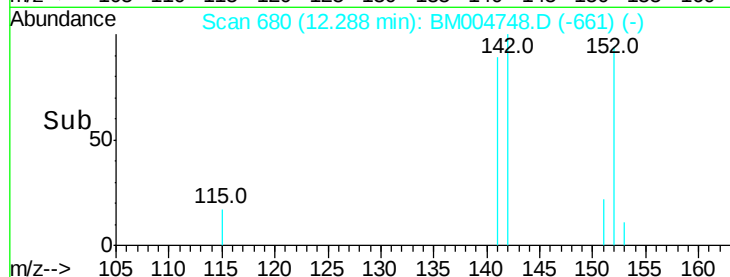
60

40

20

0

Time--> 12.20 12.30



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004748.D

Acq: 23 Mar 2016 04:20

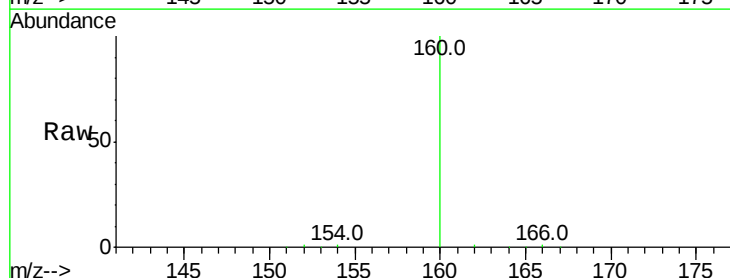
Tgt Ion:152 Resp: 178

Ion Ratio Lower Upper

152 100

151 50.0 17.6 26.4#

153 49.3 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

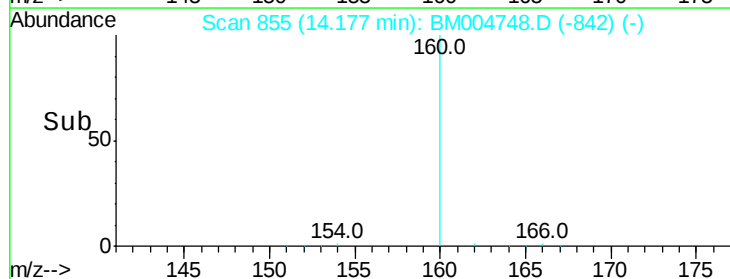
150

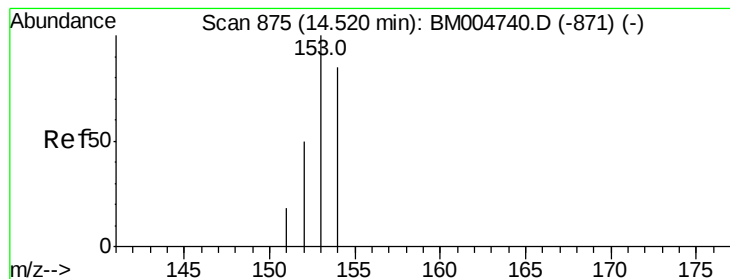
100

50

0

Time--> 14.00 14.20





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004748.D

Acq: 23 Mar 2016 04:20

Instrument :

BNA_M

ClientSampleId :

A4T36

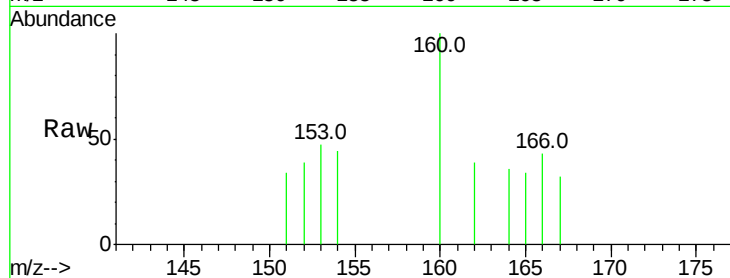
Tot Ion:153 Resp: 46

Ion Ratio Lower Upper

153 100

152 83.5 33.9 50.9#

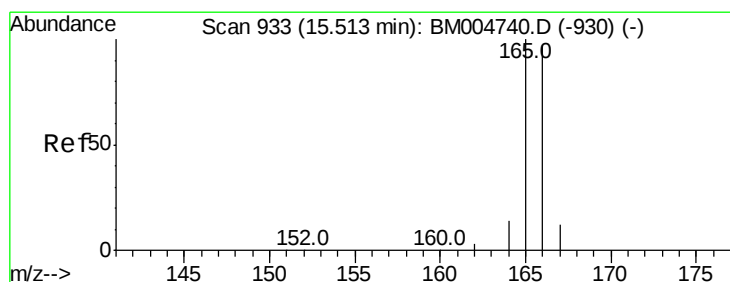
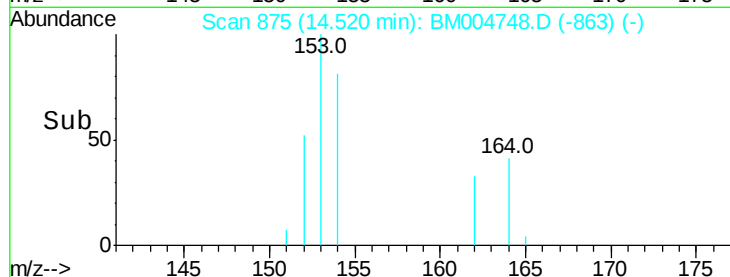
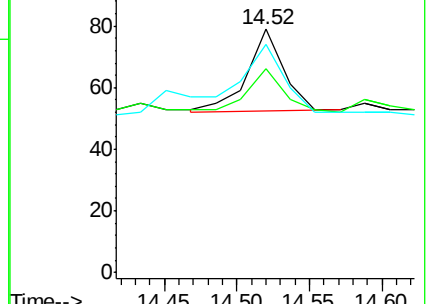
154 93.7 80.6 121.0



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: 0.09 ng/ul

RT: 15.46 min Scan# 930

Delta R.T. -0.05 min

Lab File: BM004748.D

Acq: 23 Mar 2016 04:20

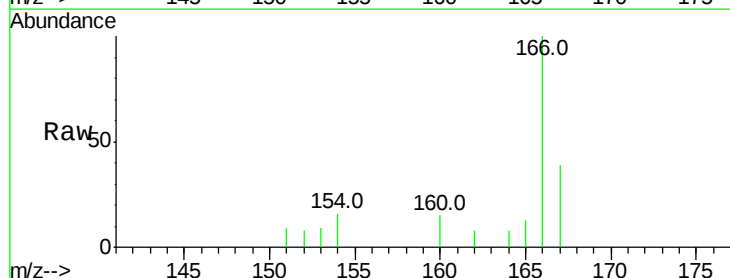
Tgt Ion:166 Resp: 994

Ion Ratio Lower Upper

166 100

165 12.9 69.6 104.4#

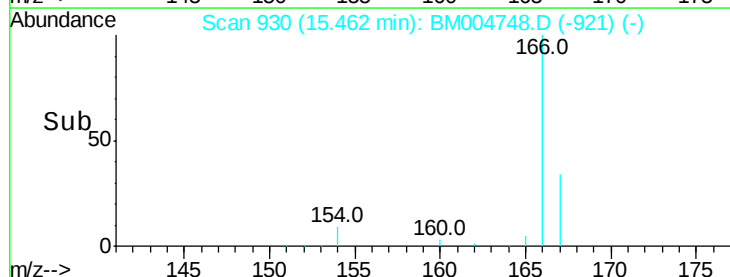
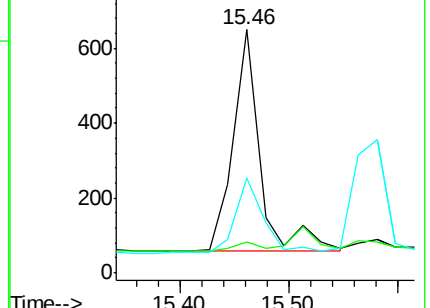
167 39.1 11.9 17.9#

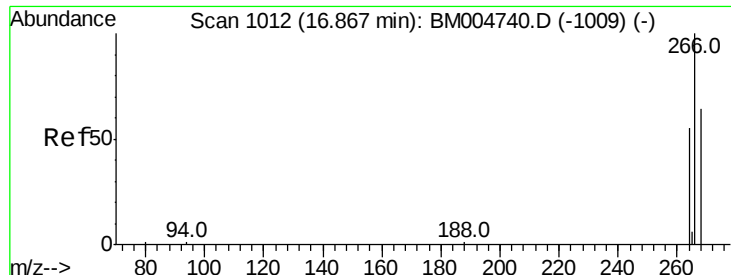


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

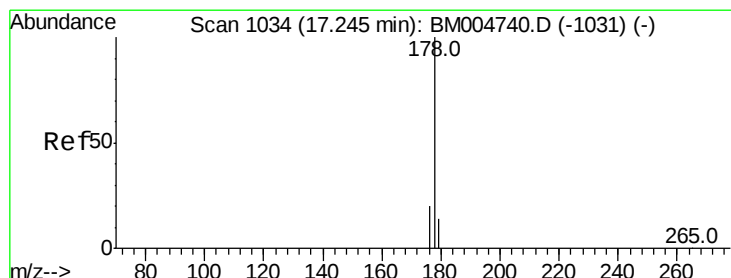
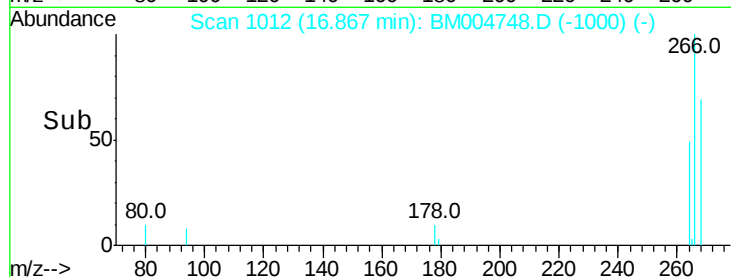
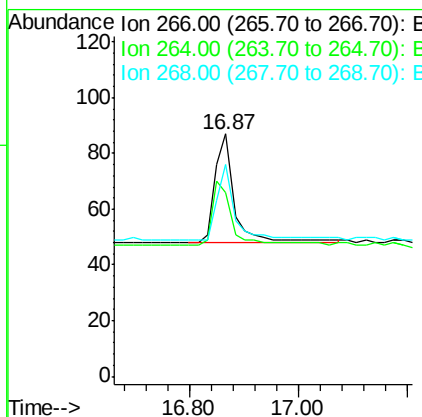
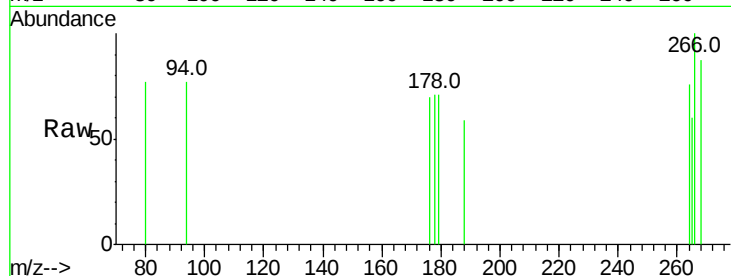




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: BM004748.D
 Acq: 23 Mar 2016 04:20

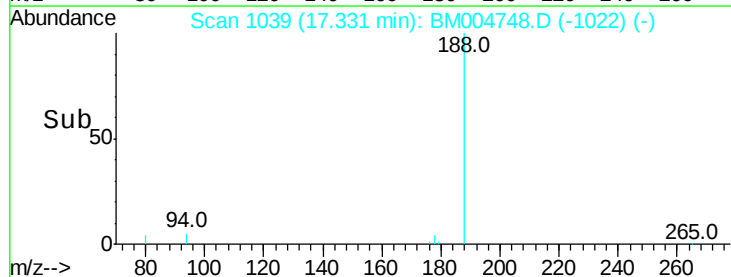
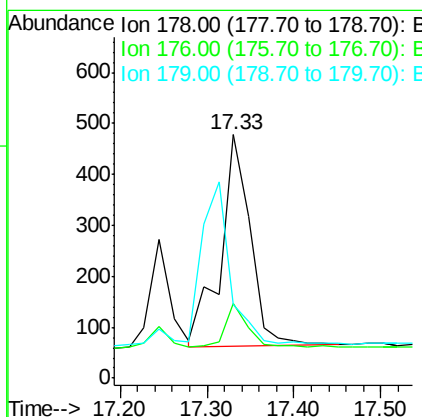
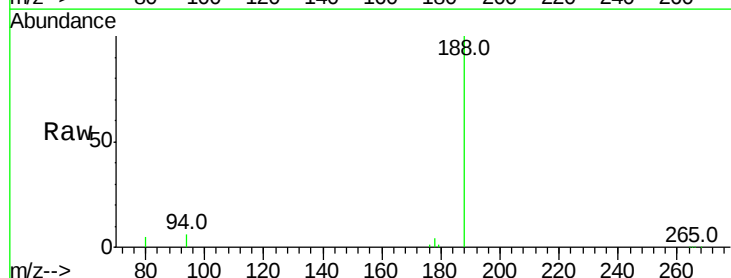
Instrument :
 BNA_M
 ClientSampleId :
 A4T36

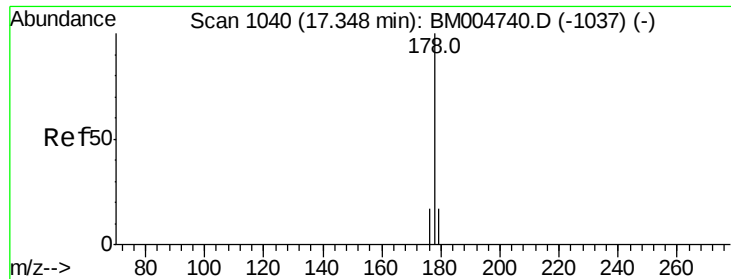
Tot Ion:266 Resp: 99
 Ion Ratio Lower Upper
 266 100
 264 61.6 51.8 77.8
 268 65.7 46.8 70.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.33 min Scan# 1039
 Delta R.T. 0.09 min
 Lab File: BM004748.D
 Acq: 23 Mar 2016 04:20

Tgt Ion:178 Resp: 979
 Ion Ratio Lower Upper
 178 100
 176 30.5 13.0 19.4#
 179 30.1 14.2 21.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.02 min

Lab File: BM004748.D

Acq: 23 Mar 2016 04:20

Instrument :

BNA_M

ClientSampleId :

A4T36

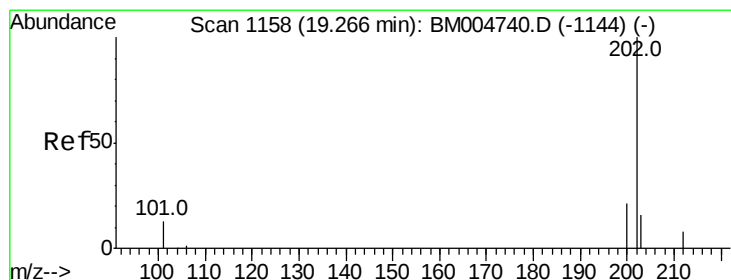
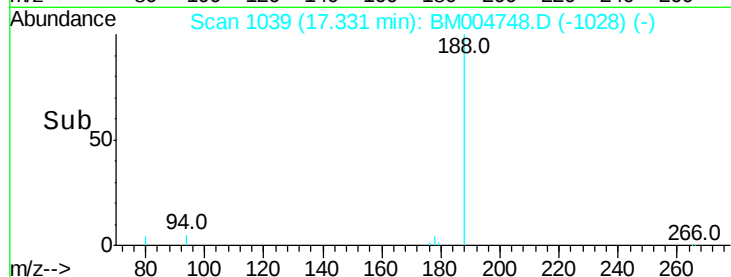
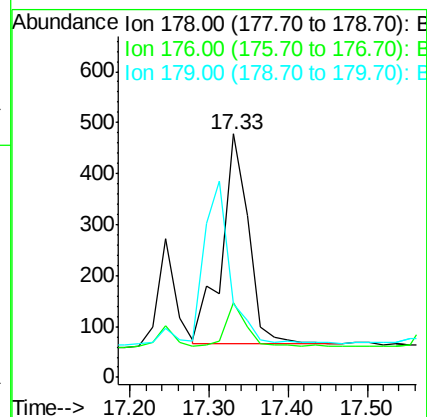
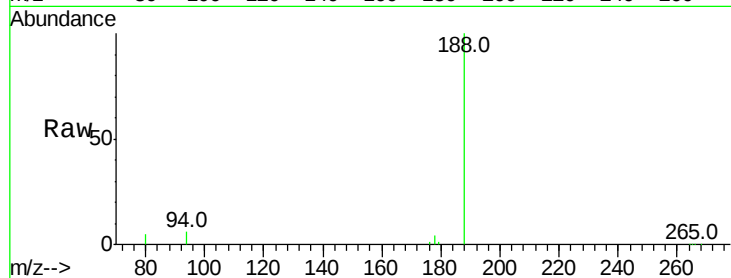
Tot Ion:178 Resp: 953

Ion Ratio Lower Upper

178 100

176 30.5 14.0 21.0#

179 30.1 12.9 19.3#



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.41 min Scan# 1170

Delta R.T. 0.15 min

Lab File: BM004748.D

Acq: 23 Mar 2016 04:20

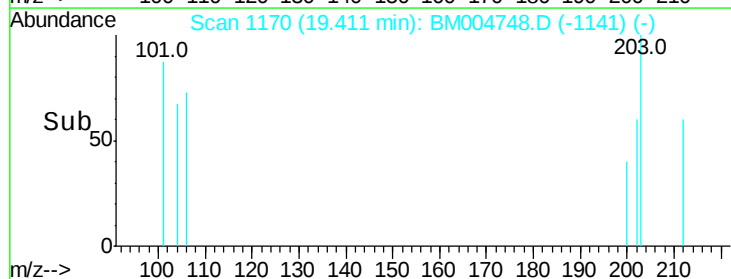
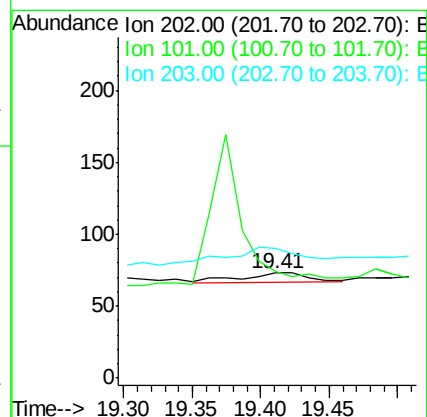
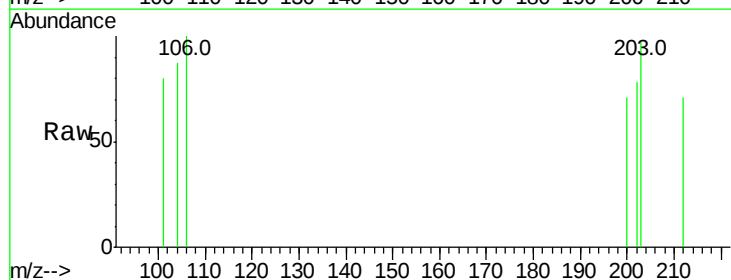
Tgt Ion:202 Resp: 25

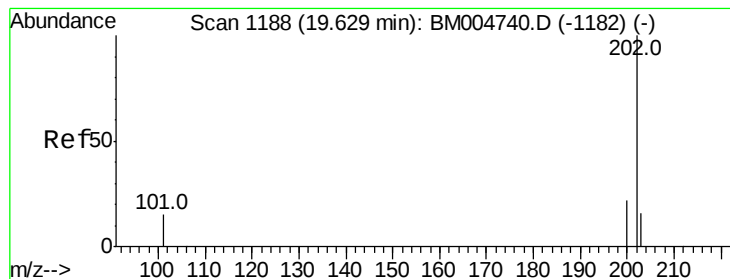
Ion Ratio Lower Upper

202 100

101 101.4 0.0 29.6#

203 123.3 0.0 36.3#





#19

Pvrene

Concen: 0.05 ng/ul

RT: 19.60 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BM004748.D

Acq: 23 Mar 2016 04:20

Instrument :

BNA_M

ClientSampleId :

A4T36

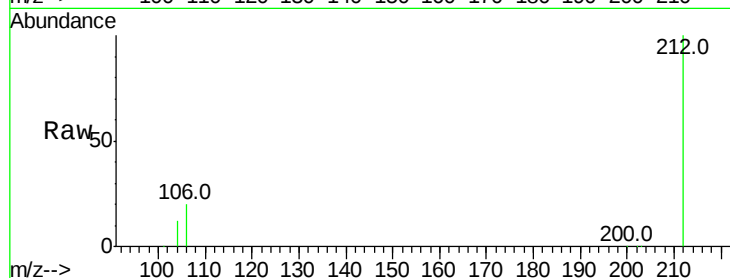
Tot Ion:202 Resp: 1102

Ion Ratio Lower Upper

202 100

200 12.5 17.8 26.8#

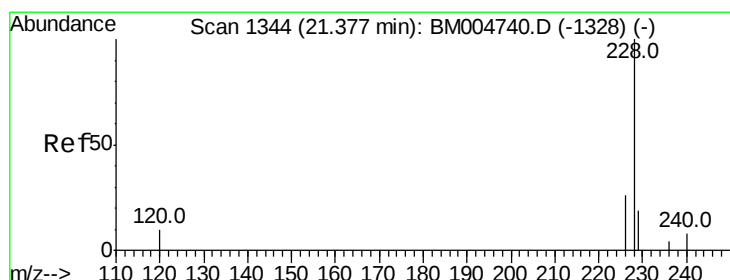
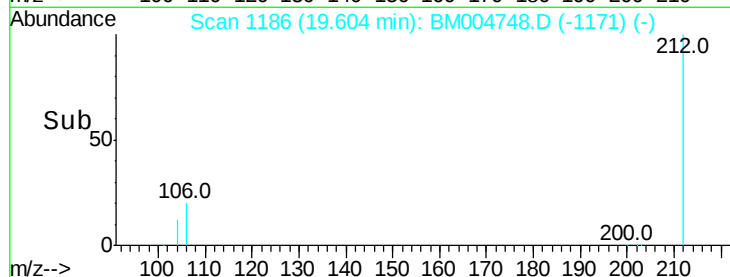
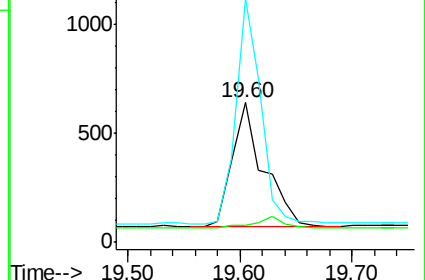
203 174.5 12.8 19.2#



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: 0.02 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM004748.D

Acq: 23 Mar 2016 04:20

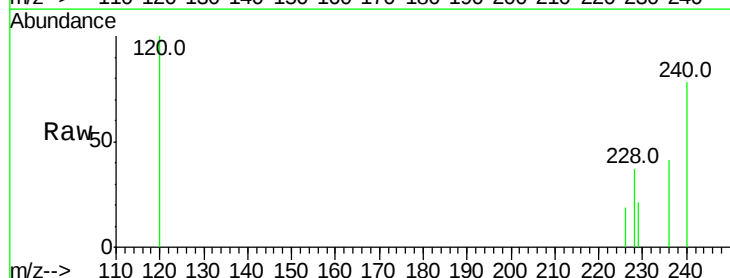
Tgt Ion:228 Resp: 218

Ion Ratio Lower Upper

228 100

226 52.5 18.8 28.2#

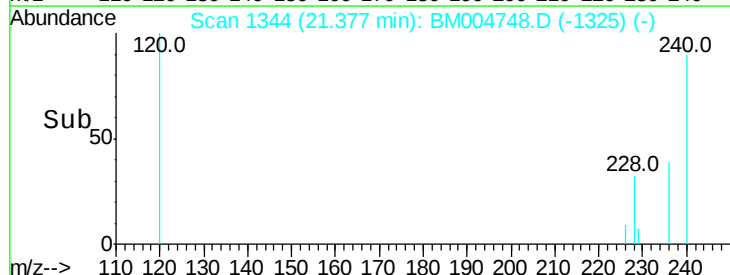
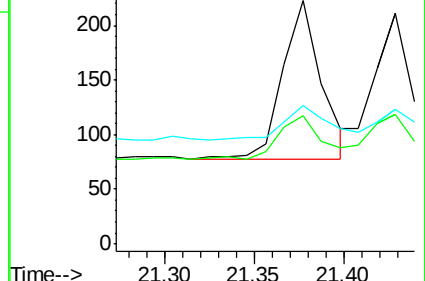
229 57.0 17.1 25.7#

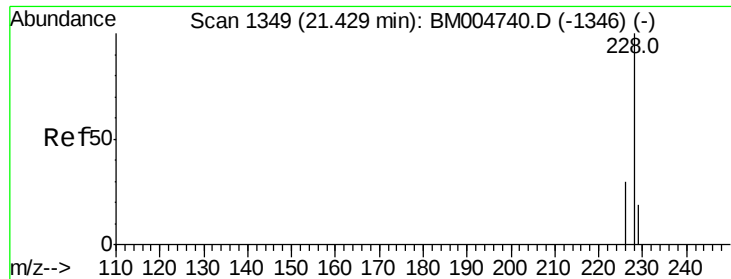


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM004748.D

Acq: 23 Mar 2016 04:20

Instrument :

BNA_M

ClientSampleId :

A4T36

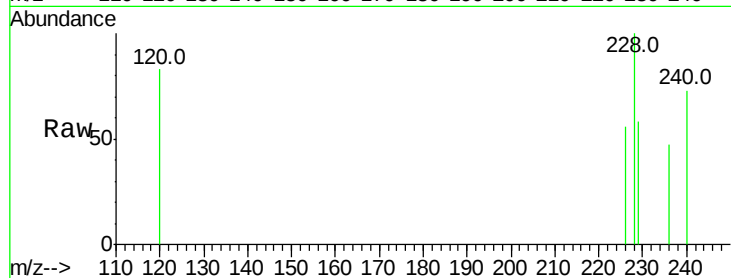
Tot Ion:228 Resp: 186

Ion Ratio Lower Upper

228 100

226 55.9 21.2 31.8#

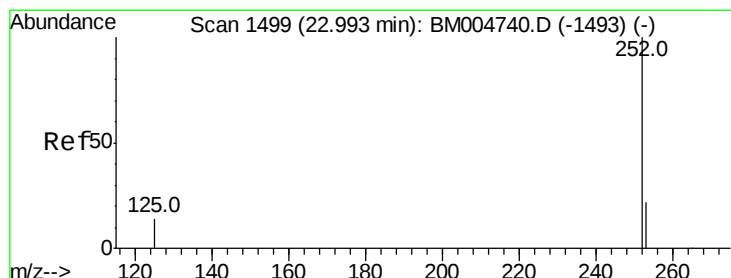
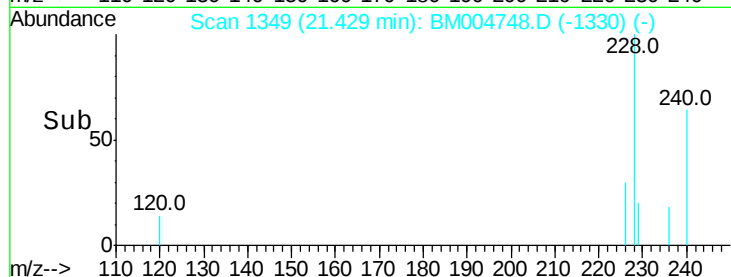
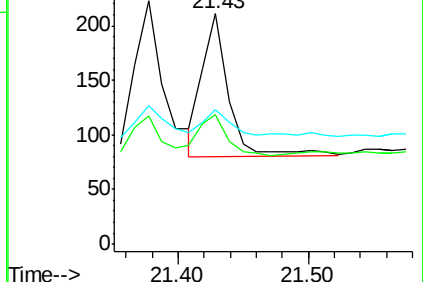
229 58.3 17.0 25.6#



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: 22.93 min Scan# 1493

Delta R.T. -0.06 min

Lab File: BM004748.D

Acq: 23 Mar 2016 04:20

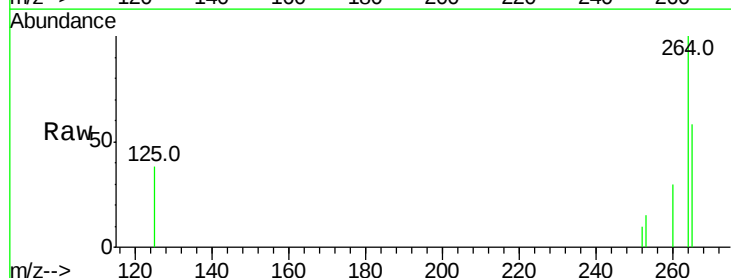
Tgt Ion:252 Resp: 13

Ion Ratio Lower Upper

252 100

253 144.2 0.0 45.4#

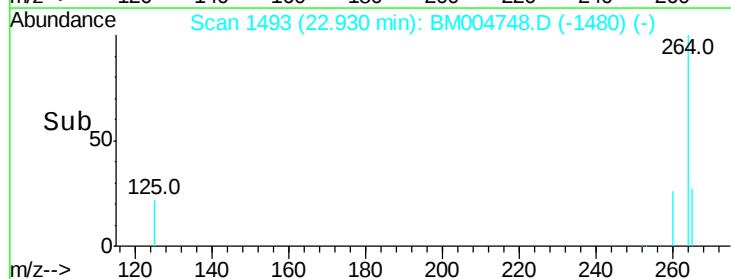
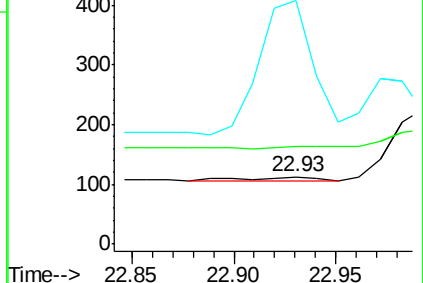
125 361.1 0.0 28.8#

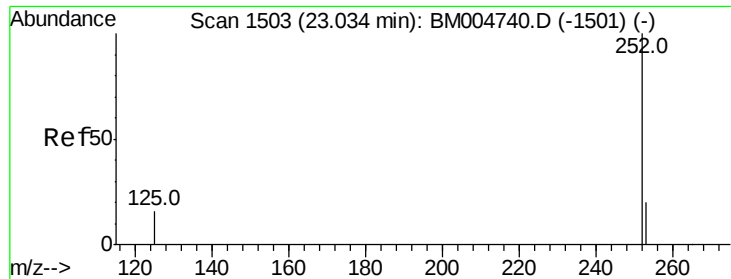


Abundance Ion 252.00 (251.70 to 252.70): E

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: 22.93 min Scan# 1493

Delta R.T. -0.10 min

Lab File: BM004748.D

Acq: 23 Mar 2016 04:20

Instrument :

BNA_M

ClientSampleId :

A4T36

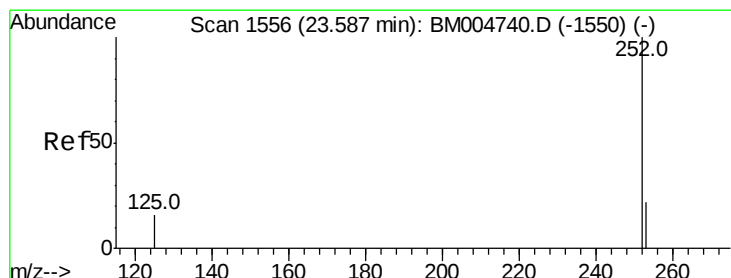
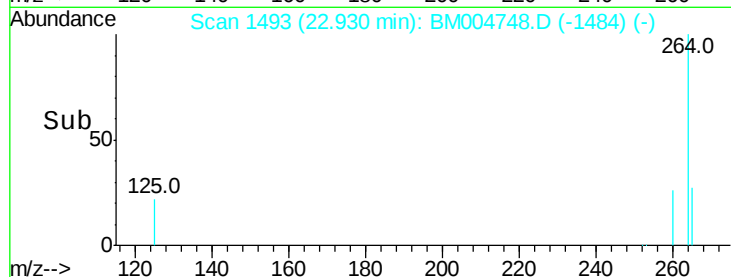
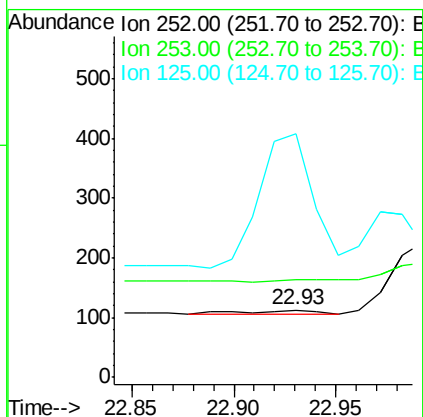
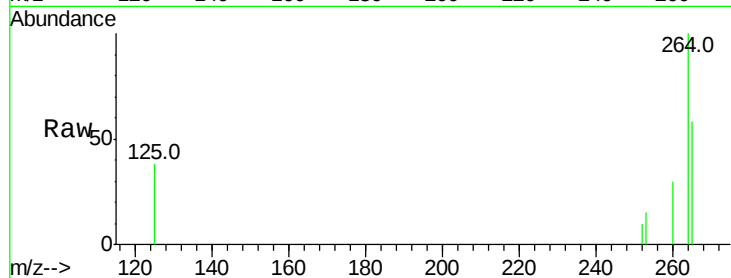
Tot Ion:252 Resp: 13

Ion Ratio Lower Upper

252 100

253 144.2 19.8 29.8#

125 361.1 10.4 15.6#



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.53 min Scan# 1551

Delta R.T. -0.05 min

Lab File: BM004748.D

Acq: 23 Mar 2016 04:20

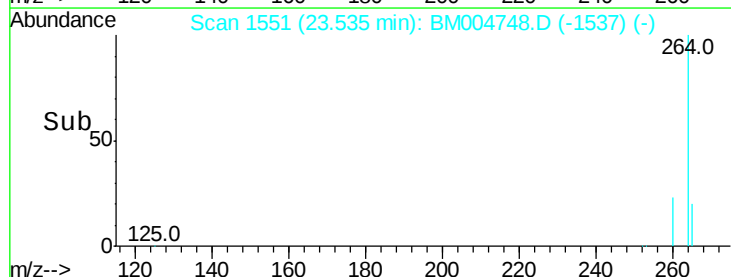
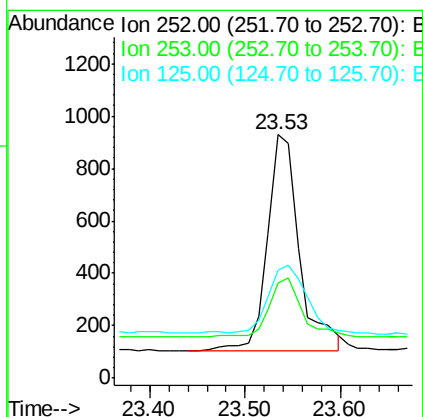
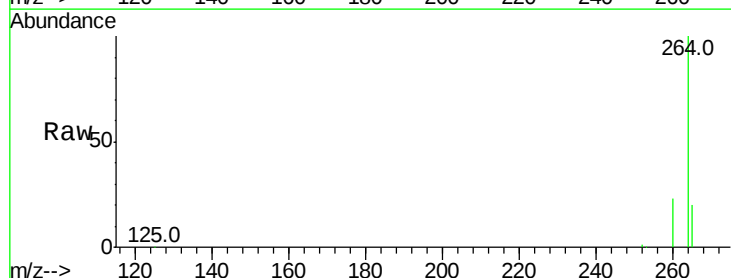
Tgt Ion:252 Resp: 1901

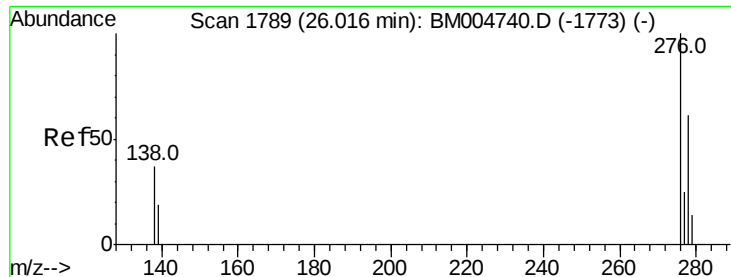
Ion Ratio Lower Upper

252 100

253 38.9 19.4 29.2#

125 44.5 12.7 19.1#

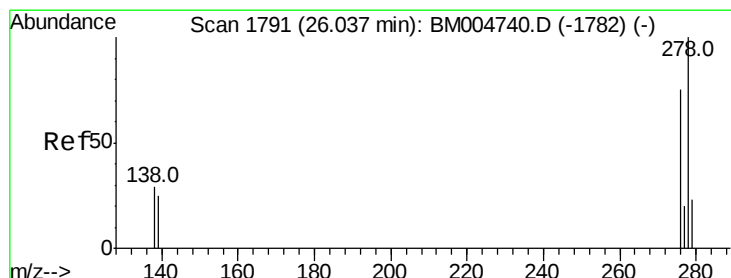
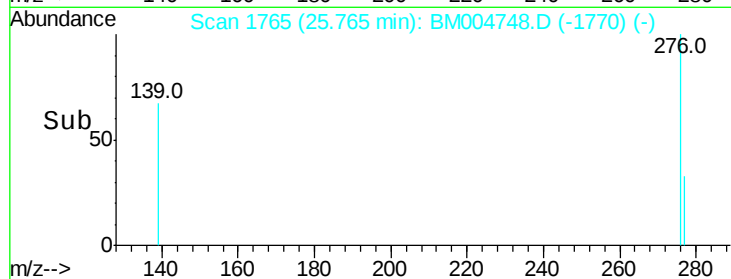
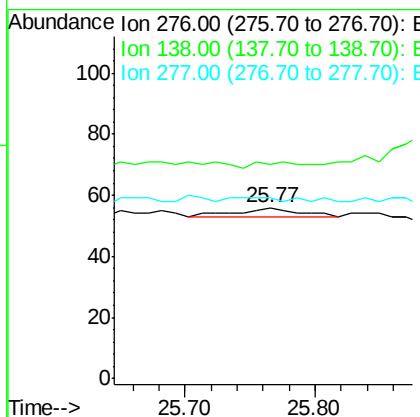
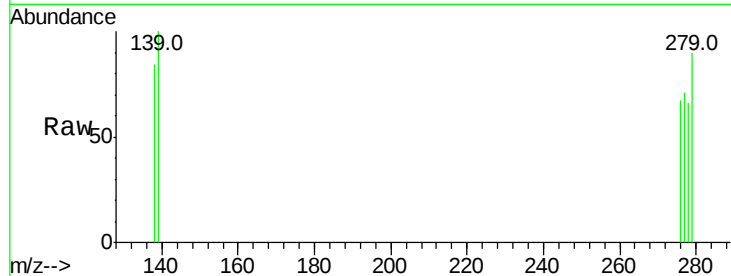




#26
Indeno(1,2,3-cd)pyrene
Concen: 0.00 ng/ul
RT: 25.77 min Scan# 1765
Delta R.T. -0.25 min
Lab File: BM004748.D
Acq: 23 Mar 2016 04:20

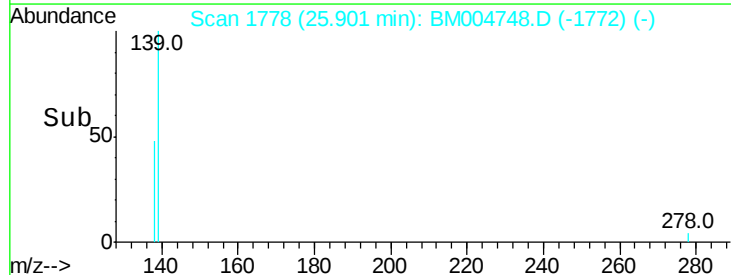
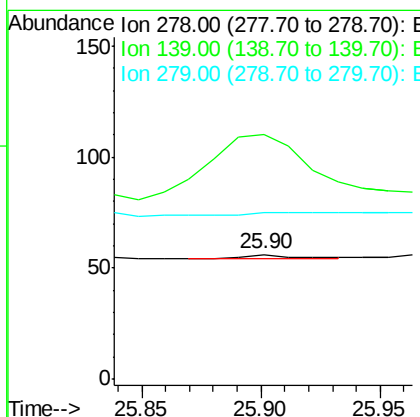
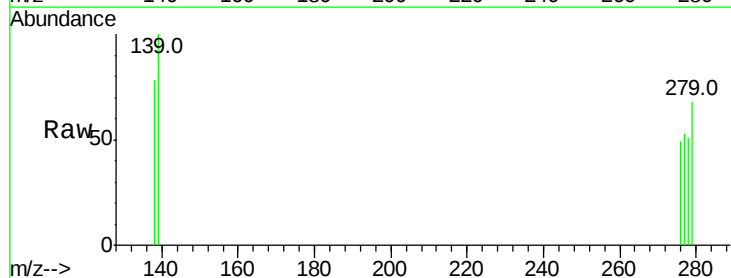
Instrument :
BNA_M
ClientSampleId :
A4T36

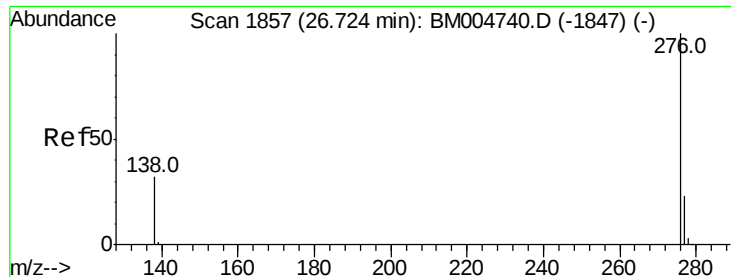
Tot Ion:276 Resp: 9
Ion Ratio Lower Upper
276 100
138 44.4 16.3 24.5#
277 0.0 19.8 29.8#



#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.90 min Scan# 1778
Delta R.T. -0.14 min
Lab File: BM004748.D
Acq: 23 Mar 2016 04:20

Tgt Ion:278 Resp: 4
Ion Ratio Lower Upper
278 100
139 196.4 16.4 24.6#
279 133.9 20.2 30.2#





#28

Benzo(a,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.54 min Scan# 1839

Delta R.T. -0.19 min

Lab File: BM004748.D

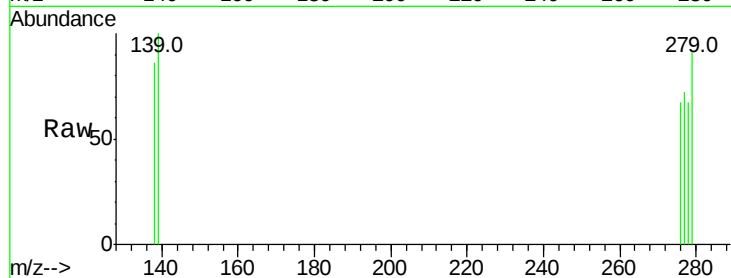
Acq: 23 Mar 2016 04:20

Instrument :

BNA_M

ClientSampleId :

A4T36



Tot Ion:	276	Resp:	5
Ion	Ratio	Lower	Upper
276	100		
277	107.5	18.9	28.3#
138	128.3	22.5	33.7#

