

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032216\
 Data File : BM004743.D
 Acq On : 23 Mar 2016 01:20
 Operator : UM/SJ
 Sample : H1835-20
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T31

Quant Time: Mar 23 05:11:56 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	1513	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	6211	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	3294	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	423775	5.00	ng/ul	0.09
18) Chrysene-d12	21.40	240	5942	5.00	ng/ul	0.00
22) Perylene-d12	23.54	264	363402	5.00	ng/ul	-0.15

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	1944	2.65	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	2368	0.33	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	5386	0.01	ng/ul	0.00

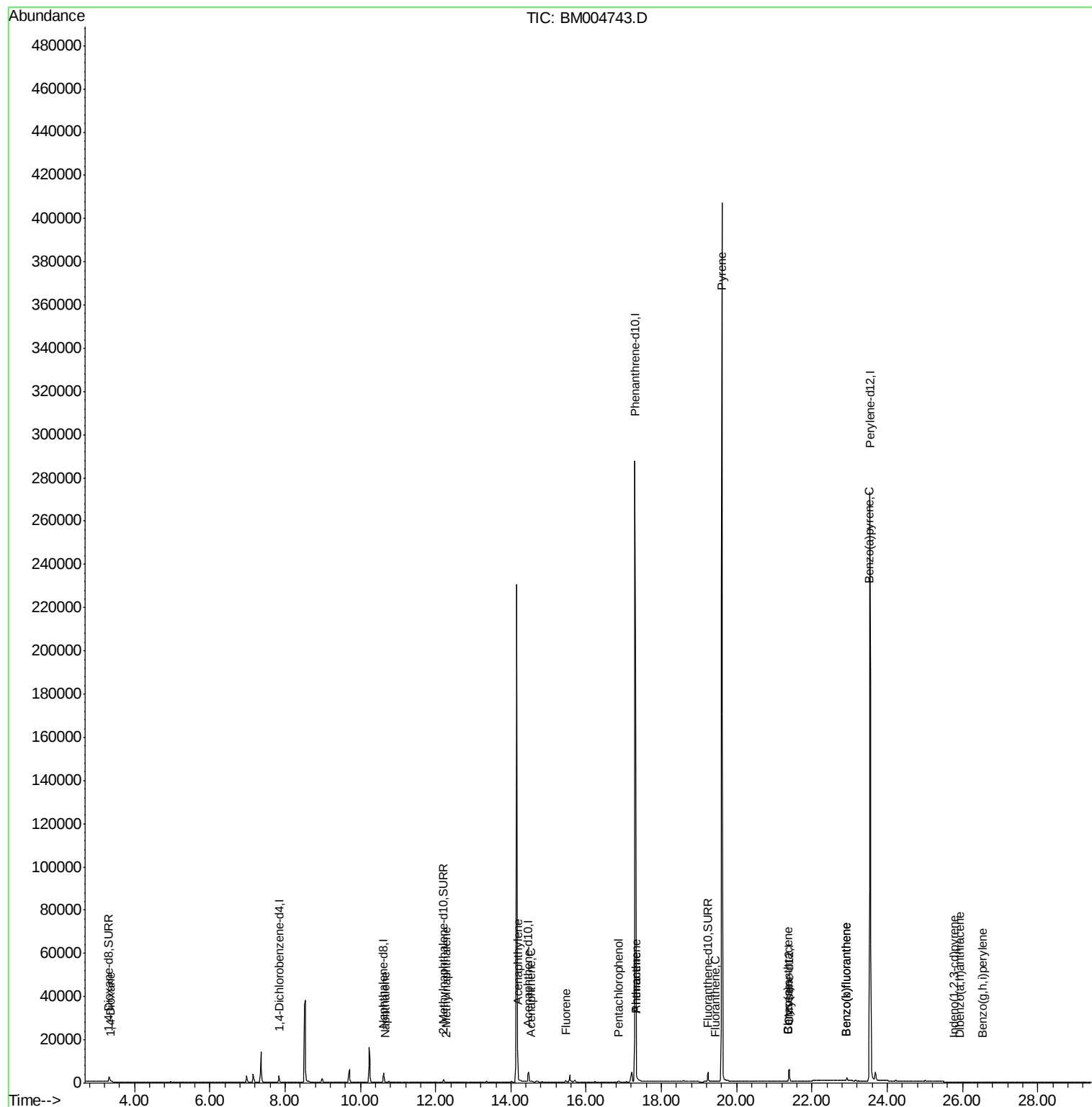
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.37	88	609	0.68	ng/ul#	19
5) Naphthalene	10.67	128	168	0.01	ng/ul#	7
7) 2-Methylnaphthalene	12.29	142	46	0.00	ng/ul	99
9) Acenaphthylene	14.18	152	71	0.01	ng/ul#	1
10) Acenaphthene	14.52	153	38	0.00	ng/ul#	76
11) Fluorene	15.46	166	883	0.08	ng/ul#	24
13) Pentachlorophenol	16.87	266	231	0.00	ng/ul	93
14) Phenanthrene	17.33	178	564	0.00	ng/ul#	44
15) Anthracene	17.33	178	567	0.00	ng/ul#	44
17) Fluoranthene	19.42	202	85	0.00	ng/ul#	1
19) Pyrene	19.60	202	839	0.04	ng/ul#	1
20) Benzo(a)anthracene	21.38	228	76	0.01	ng/ul#	1
21) Chrysene	21.38	228	76	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.90	252	16	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.90	252	16	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.53	252	1422	0.00	ng/ul#	45
26) Indeno(1,2,3-cd)pyrene	25.78	276	9	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.91	278	6	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.54	276	9	0.00	ng/ul#	1

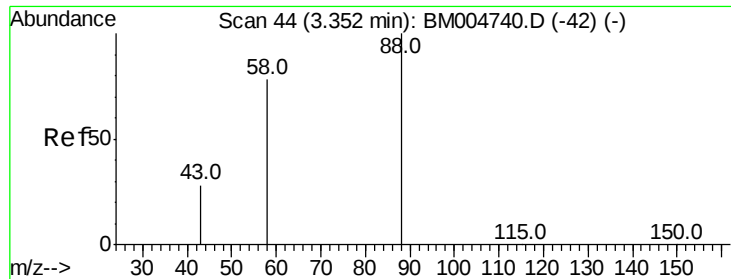
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.68 ng/ul

RT: 3.37 min Scan# 45

Delta R.T. 0.02 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

Instrument :

BNA_M

ClientSampled :

A4T31

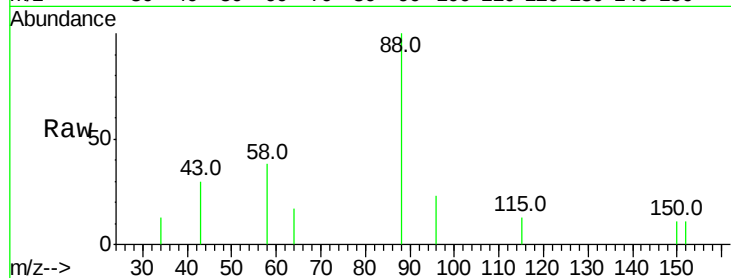
Tot Ion: 88 Resp: 609

Ion Ratio Lower Upper

88 100

58 55.3 8.0 12.0#

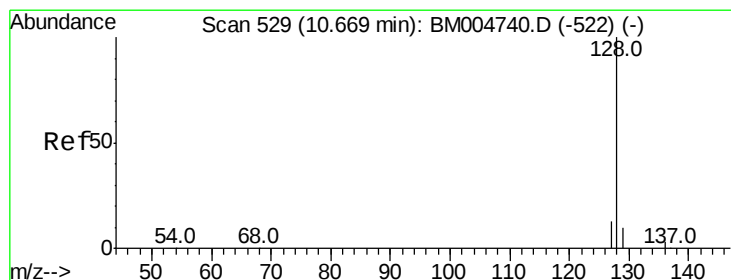
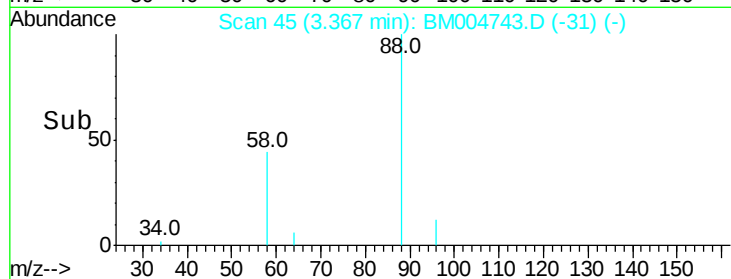
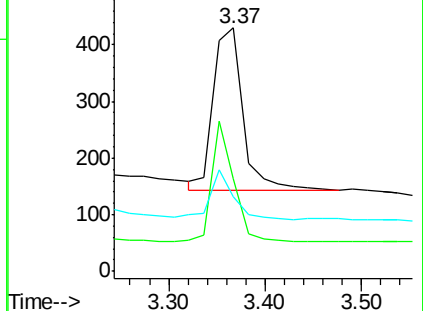
43 25.0 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM004743.D (-42) (-)

Ion 58.00 (57.70 to 58.70): BM004743.D (-42) (-)

Ion 43.00 (42.70 to 43.70): BM004743.D (-42) (-)



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

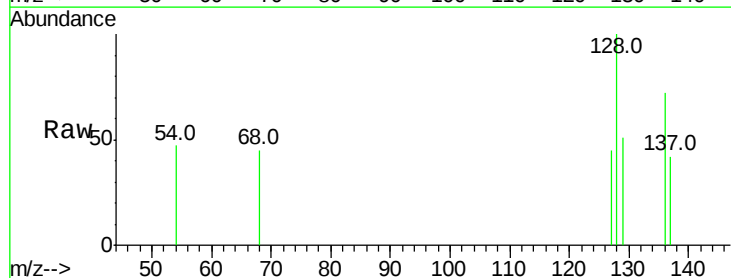
Tgt Ion: 128 Resp: 168

Ion Ratio Lower Upper

128 100

129 50.8 9.0 13.6#

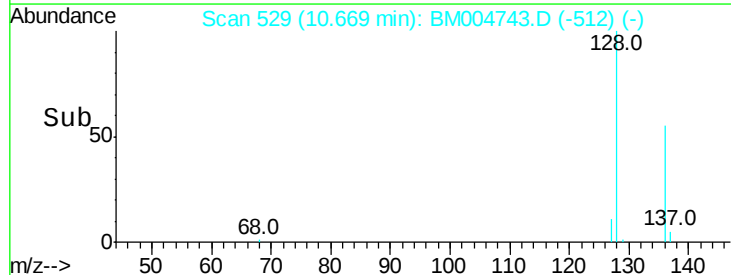
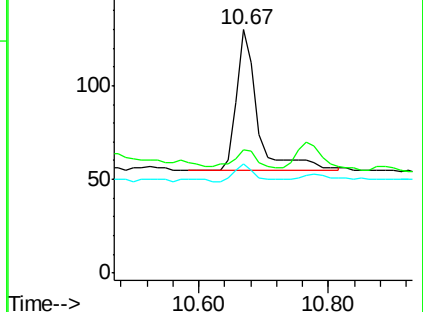
127 44.6 9.6 14.4#

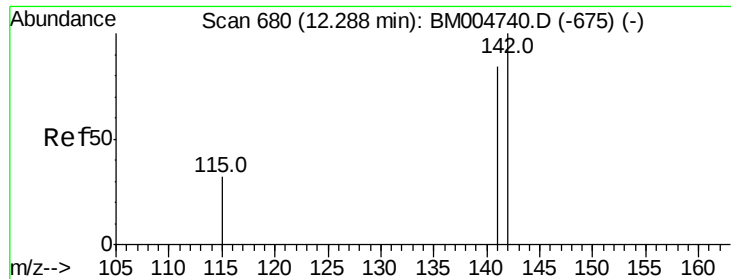


Abundance Ion 128.00 (127.70 to 128.70): BM004743.D (-512) (-)

Ion 129.00 (128.70 to 129.70): BM004743.D (-512) (-)

Ion 127.00 (126.70 to 127.70): BM004743.D (-512) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. -0.00 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

Instrument :

BNA_M

ClientSampleId :

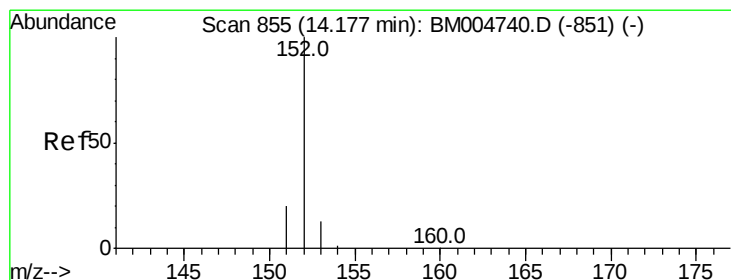
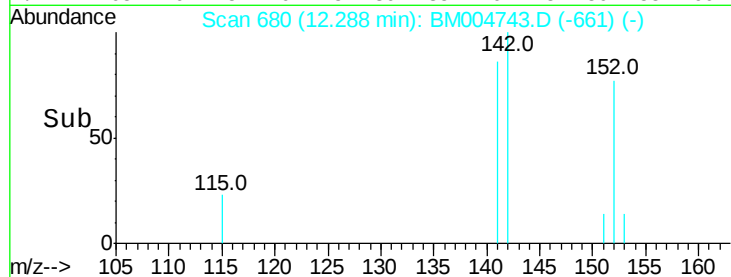
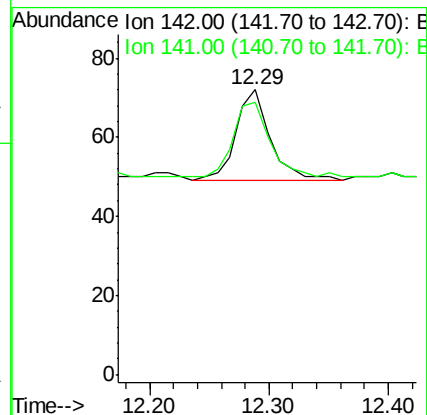
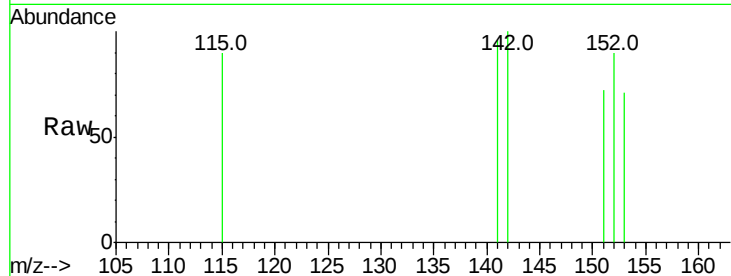
A4T31

Tot Ion:142 Resp: 46

Ion Ratio Lower Upper

142 100

141 87.0 70.3 105.5



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

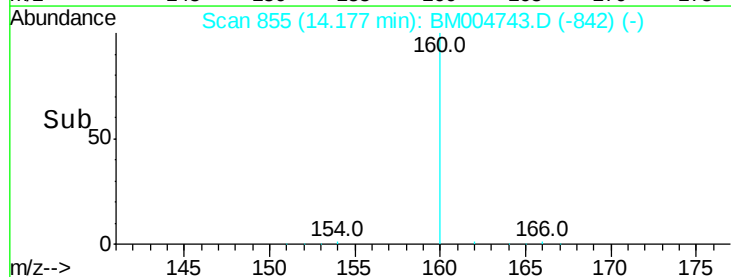
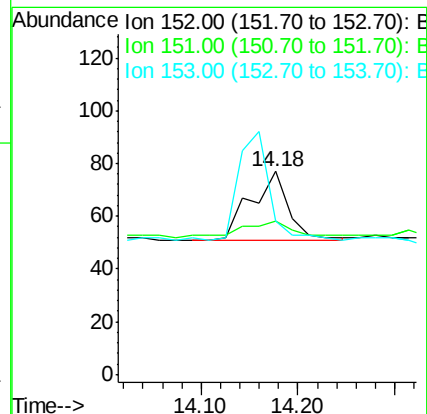
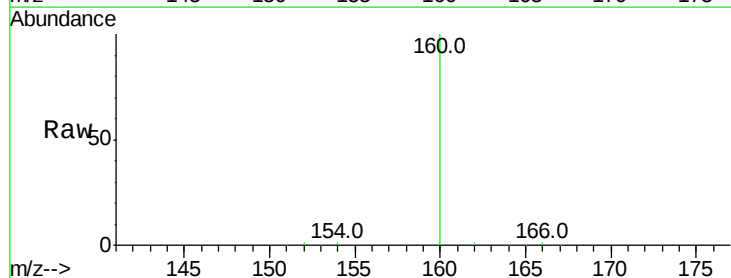
Tgt Ion:152 Resp: 71

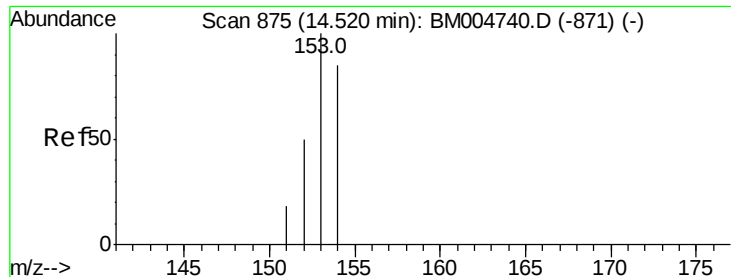
Ion Ratio Lower Upper

152 100

151 75.3 17.6 26.4#

153 75.3 9.7 14.5#





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

Instrument :

BNA_M

ClientSampleId :

A4T31

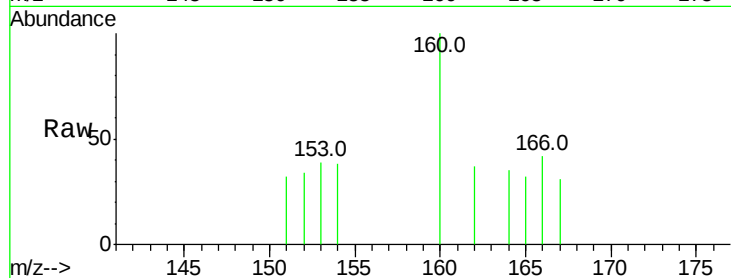
Tot Ion:153 Resp: 38

Ion Ratio Lower Upper

153 100

152 88.1 33.9 50.9#

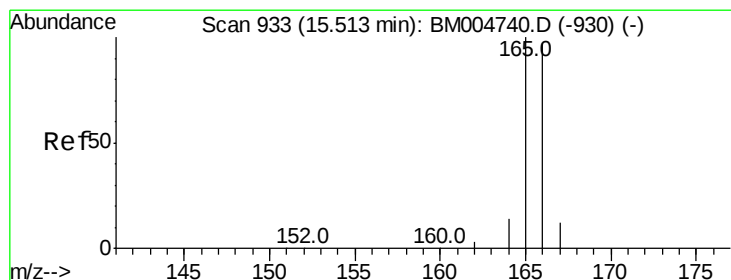
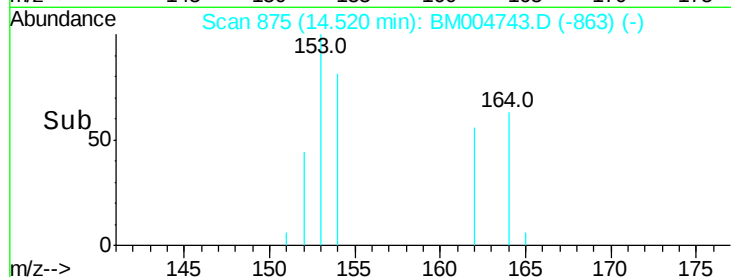
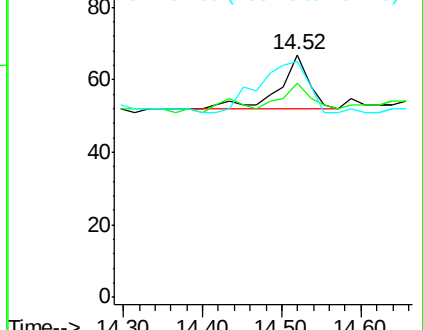
154 97.0 80.6 121.0



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: 0.08 ng/ul

RT: 15.46 min Scan# 930

Delta R.T. -0.05 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

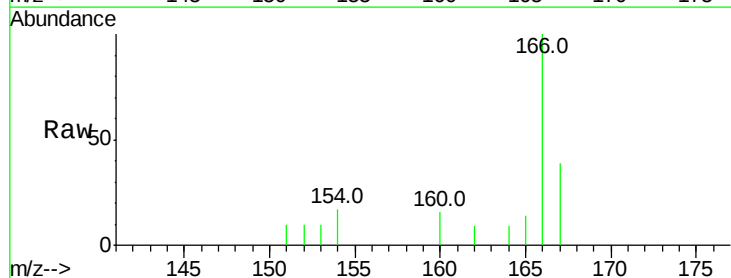
Tgt Ion:166 Resp: 883

Ion Ratio Lower Upper

166 100

165 13.9 69.6 104.4#

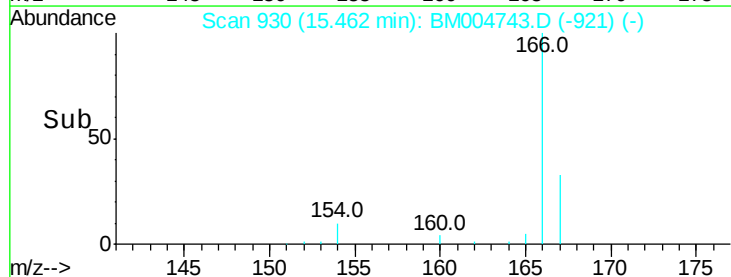
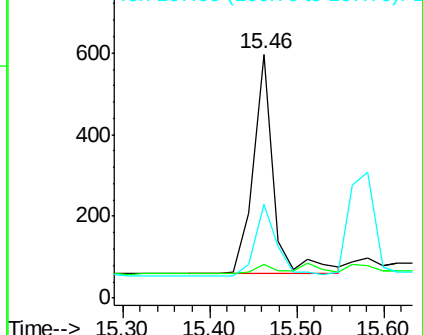
167 38.8 11.9 17.9#

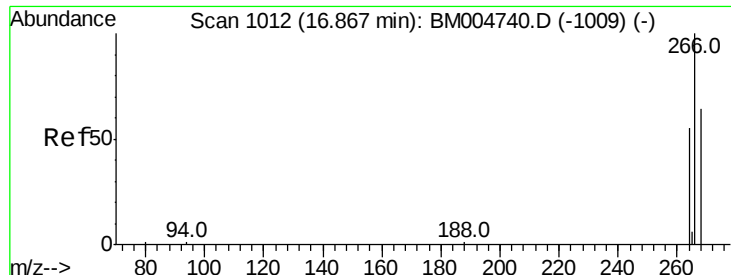


Abundance Ion 166.00 (165.70 to 166.70): E

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: BM004743.D

Acq: 23 Mar 2016 01:20

Instrument :

BNA_M

ClientSampleId :

A4T31

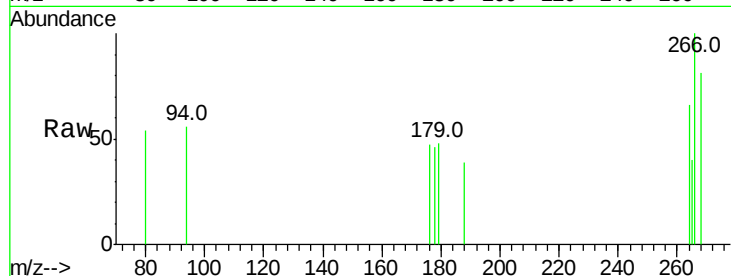
Tot Ion:266 Resp: 231

Ion Ratio Lower Upper

266 100

264 63.2 51.8 77.8

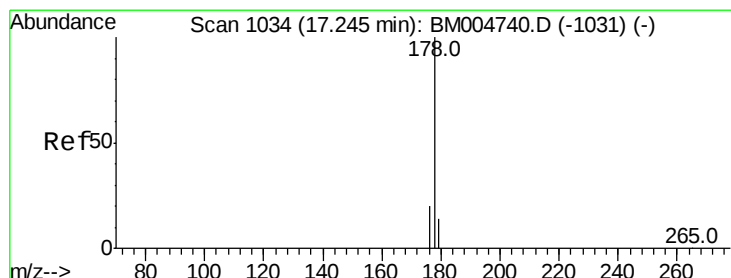
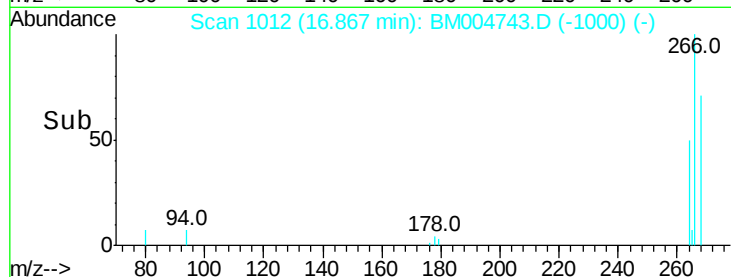
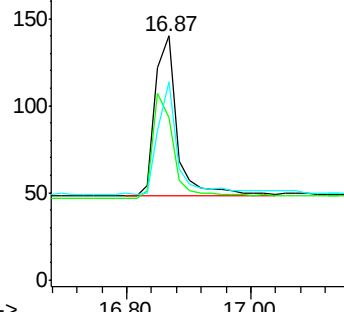
268 67.1 46.8 70.2



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: 17.33 min Scan# 1039

Delta R.T. 0.09 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

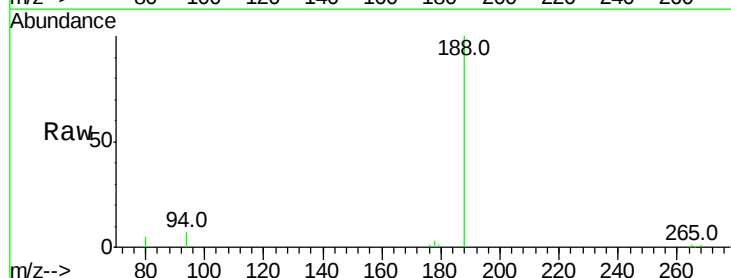
Tgt Ion:178 Resp: 564

Ion Ratio Lower Upper

178 100

176 39.2 13.0 19.4#

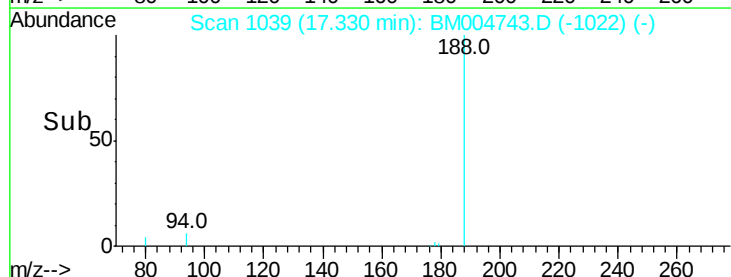
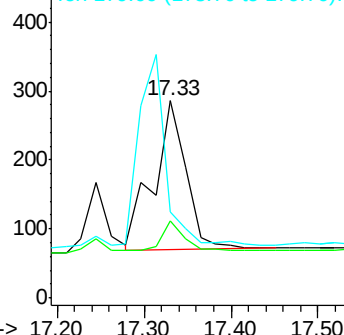
179 43.4 14.2 21.2#

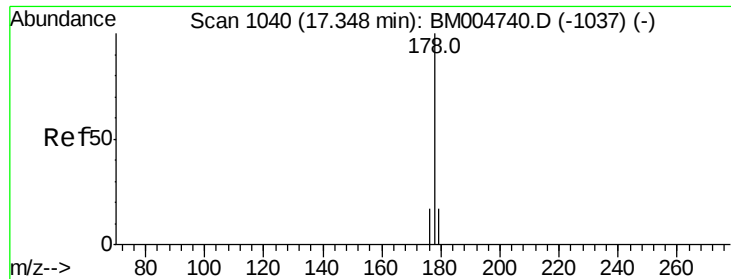


Abundance Ion 178.00 (177.70 to 178.70): E

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: 17.33 min Scan# 1039

Delta R.T. -0.02 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

Instrument :

BNA_M

ClientSampleId :

A4T31

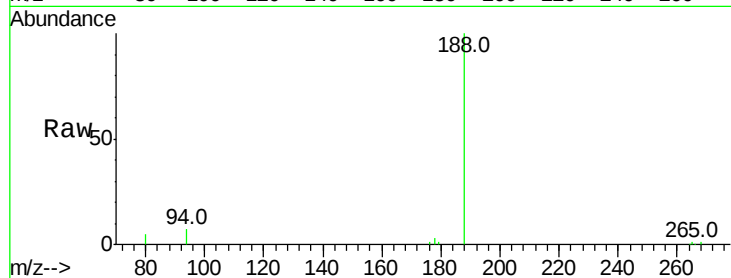
Tot Ion:178 Resp: 567

Ion Ratio Lower Upper

178 100

176 39.2 14.0 21.0#

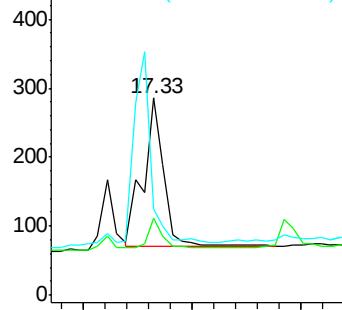
179 43.4 12.9 19.3#



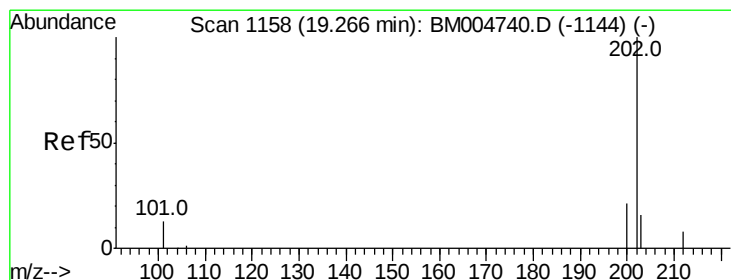
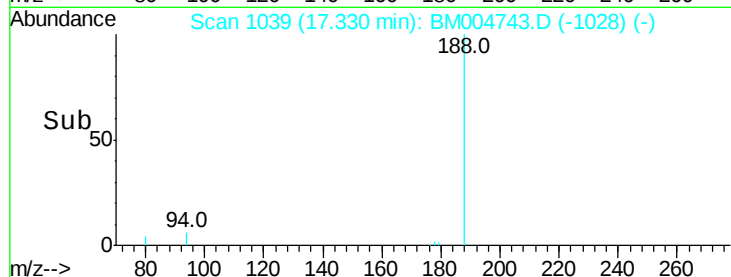
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.42 min Scan# 1171

Delta R.T. 0.16 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

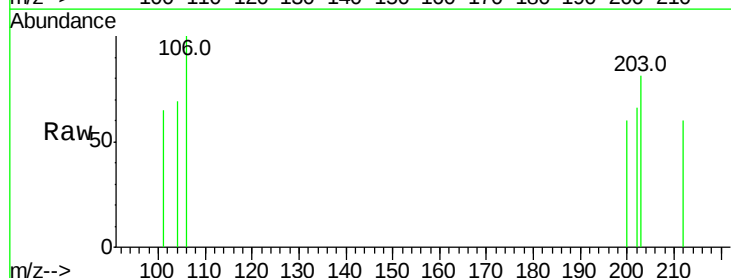
Tgt Ion:202 Resp: 85

Ion Ratio Lower Upper

202 100

101 98.1 0.0 29.6#

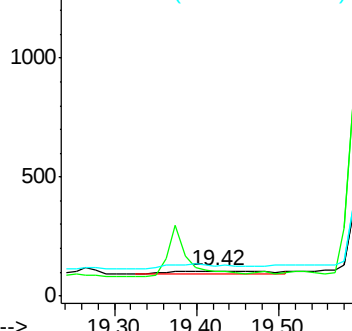
203 122.1 0.0 36.3#



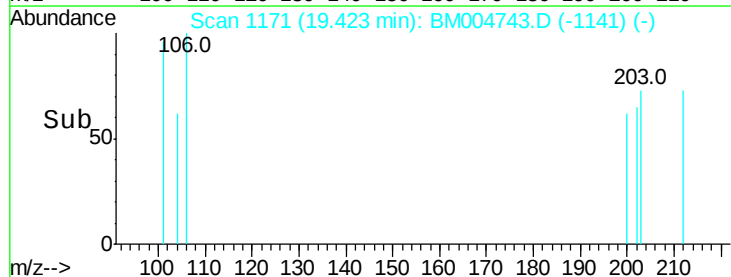
Abundance Ion 202.00 (201.70 to 202.70): E

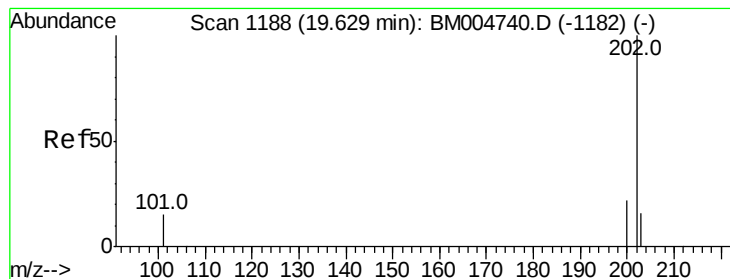
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#19

Pvrene

Concen: 0.04 ng/ul

RT: 19.60 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

Instrument :

BNA_M

ClientSampleId :

A4T31

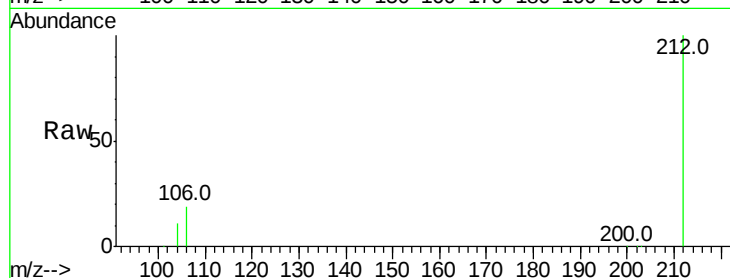
Tot Ion:202 Resp: 839

Ion Ratio Lower Upper

202 100

200 18.5 17.8 26.8

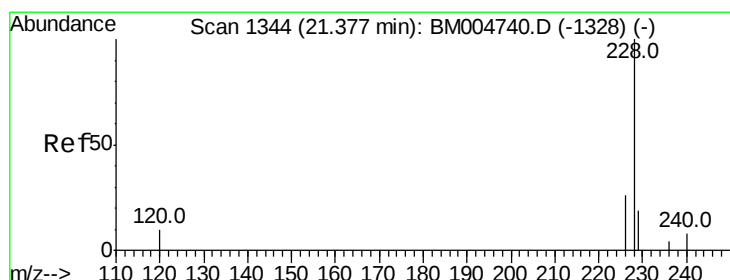
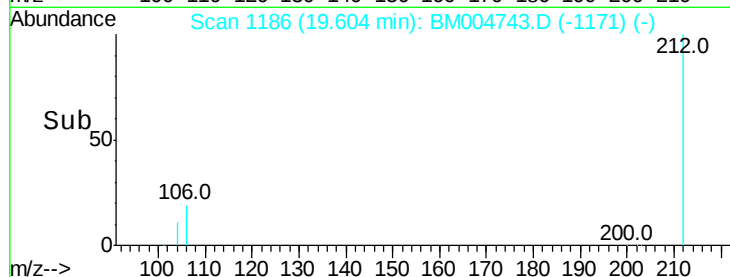
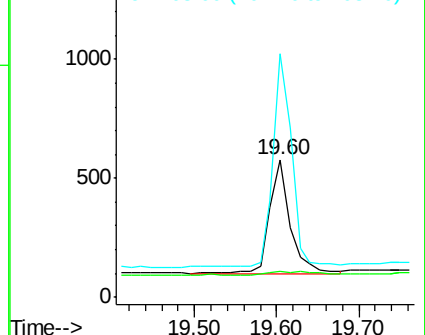
203 177.0 12.8 19.2#



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: 0.01 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

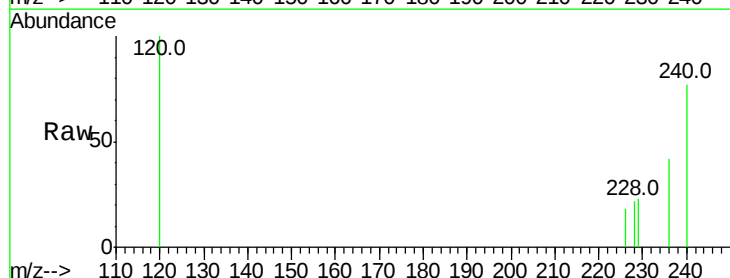
Tgt Ion:228 Resp: 76

Ion Ratio Lower Upper

228 100

226 81.9 18.8 28.2#

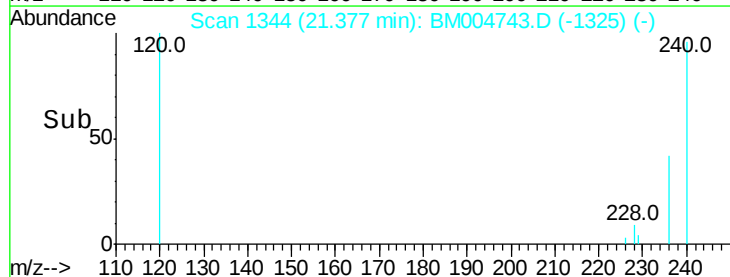
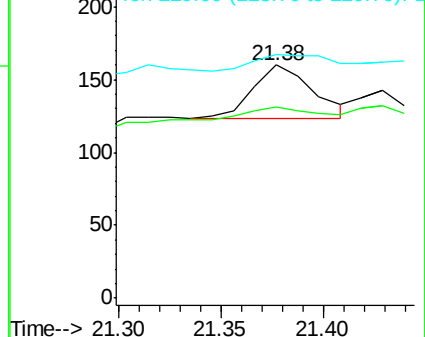
229 104.4 17.1 25.7#

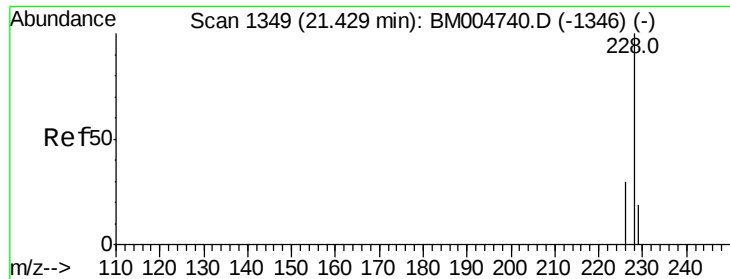


Abundance Ion 228.00 (227.70 to 228.70): E

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: 21.38 min Scan# 1344

Delta R.T. -0.05 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

Instrument :

BNA_M

ClientSampleId :

A4T31

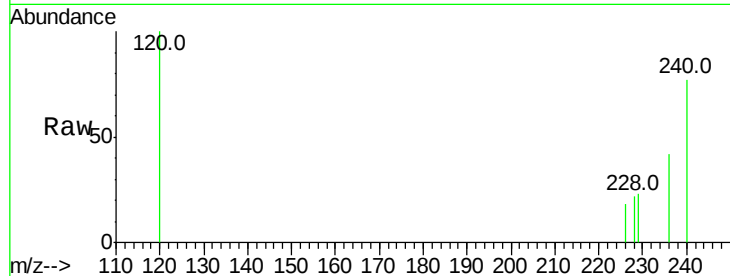
Tot Ion:228 Resp: 76

Ion Ratio Lower Upper

228 100

226 81.9 21.2 31.8#

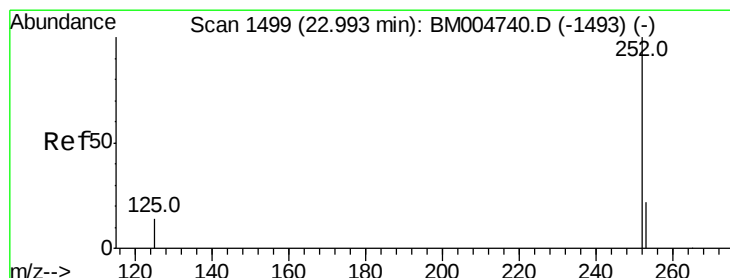
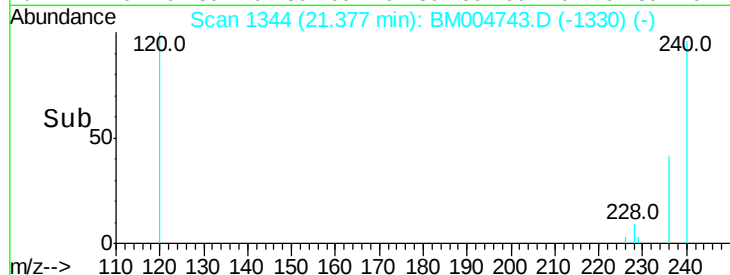
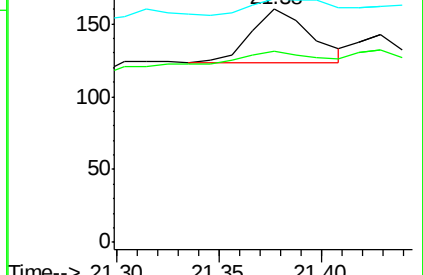
229 104.4 17.0 25.6#



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: 22.90 min Scan# 1490

Delta R.T. -0.09 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

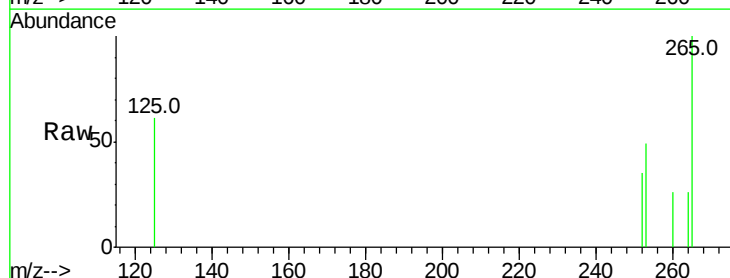
Tgt Ion:252 Resp: 16

Ion Ratio Lower Upper

252 100

253 142.4 0.0 45.4#

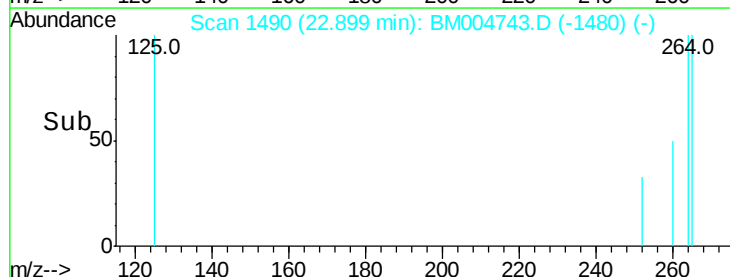
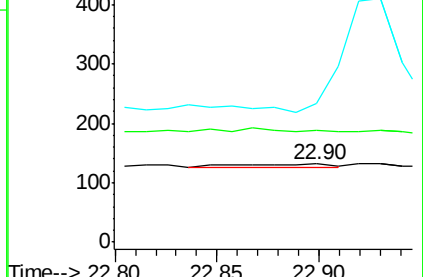
125 176.5 0.0 28.8#

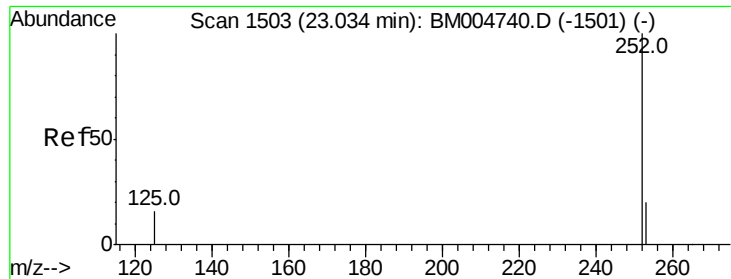


Abundance Ion 252.00 (251.70 to 252.70): E

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: 22.90 min Scan# 1490

Delta R.T. -0.14 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

Instrument :

BNA_M

ClientSampleId :

A4T31

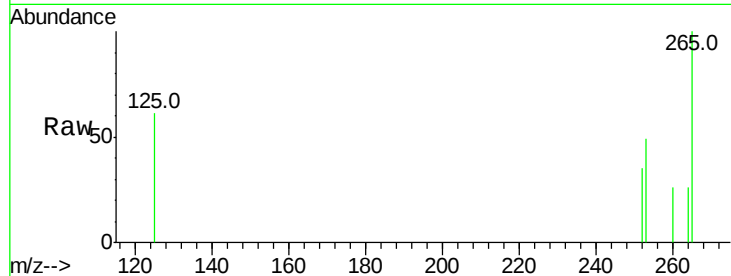
Tot Ion:252 Resp: 16

Ion Ratio Lower Upper

252 100

253 142.4 19.8 29.8#

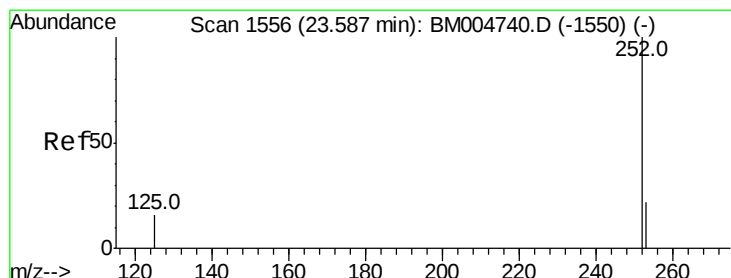
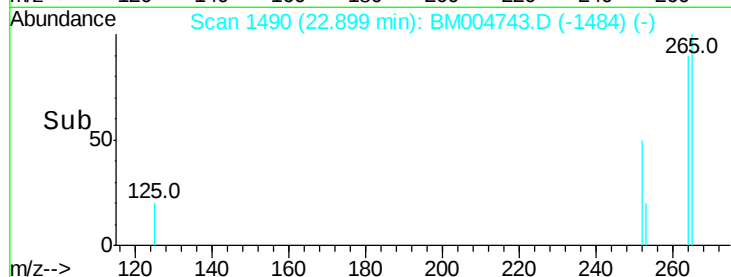
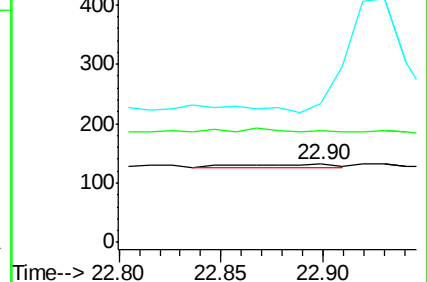
125 176.5 10.4 15.6#



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: 0.00 ng/ul

RT: 23.53 min Scan# 1551

Delta R.T. -0.05 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

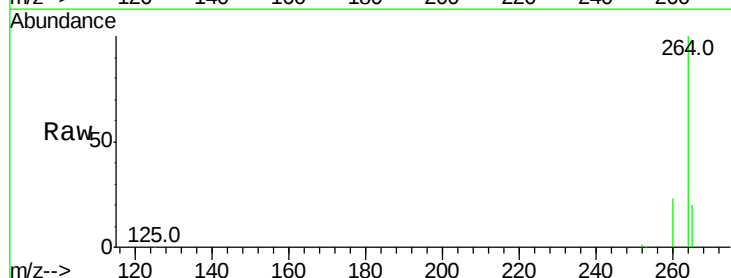
Tgt Ion:252 Resp: 1422

Ion Ratio Lower Upper

252 100

253 43.2 19.4 29.2#

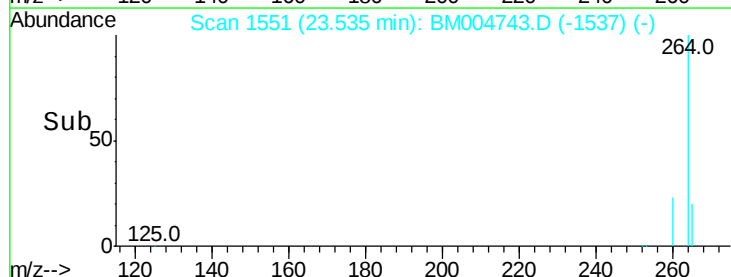
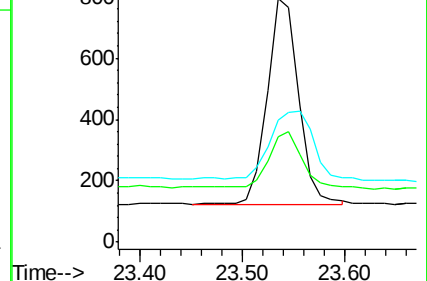
125 49.9 12.7 19.1#

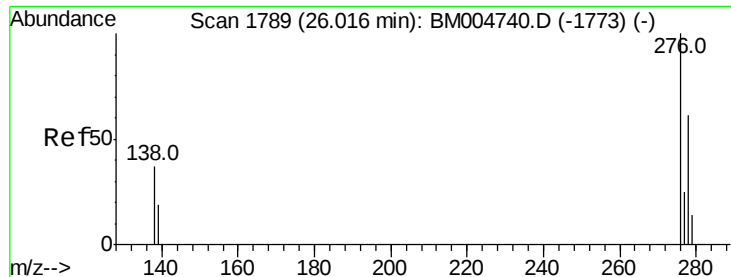


Abundance Ion 252.00 (251.70 to 252.70): E

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/ul

RT: 25.78 min Scan# 1766

Delta R.T. -0.24 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

Instrument :

BNA_M

ClientSampleId :

A4T31

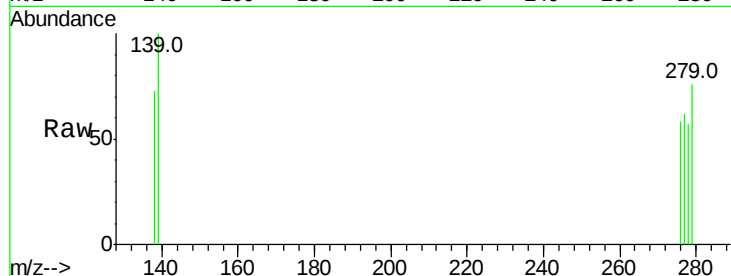
Tot Ion:276 Resp: 9

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

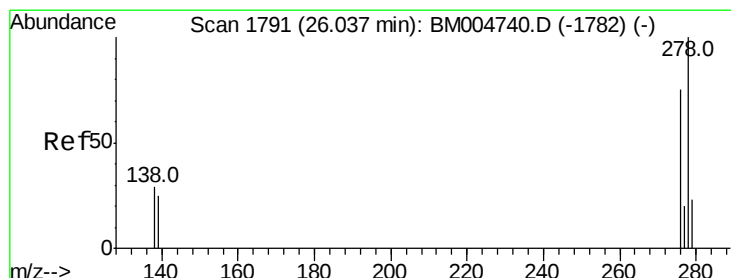
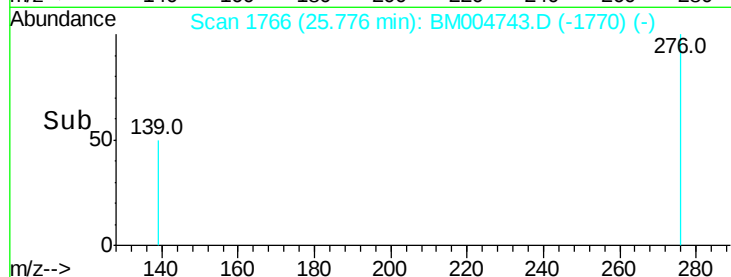
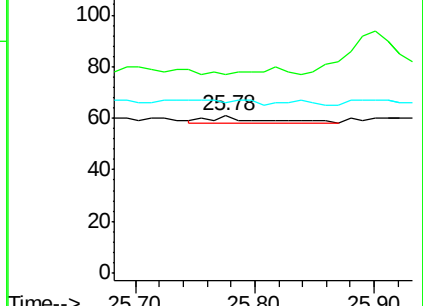
277 0.0 19.8 29.8#



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: 25.91 min Scan# 1779

Delta R.T. -0.13 min

Lab File: BM004743.D

Acq: 23 Mar 2016 01:20

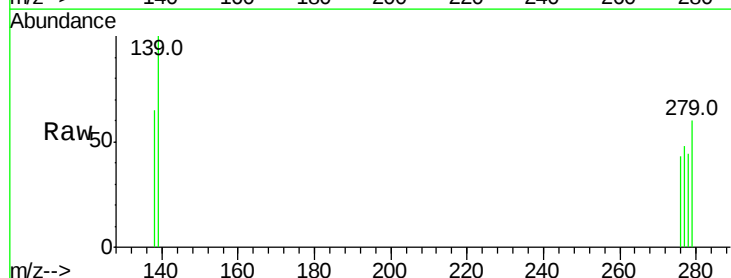
Tgt Ion:278 Resp: 6

Ion Ratio Lower Upper

278 100

139 227.9 16.4 24.6#

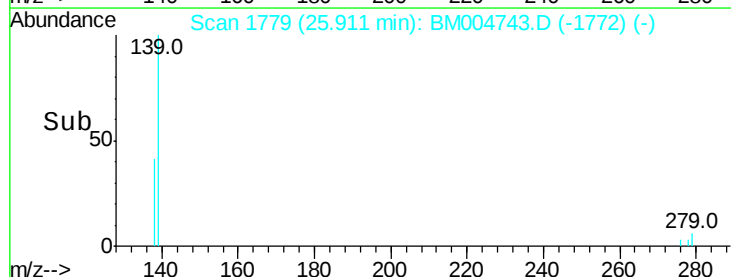
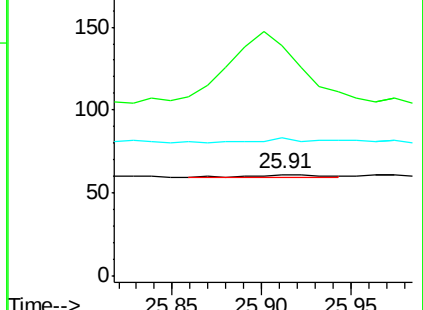
279 136.1 20.2 30.2#

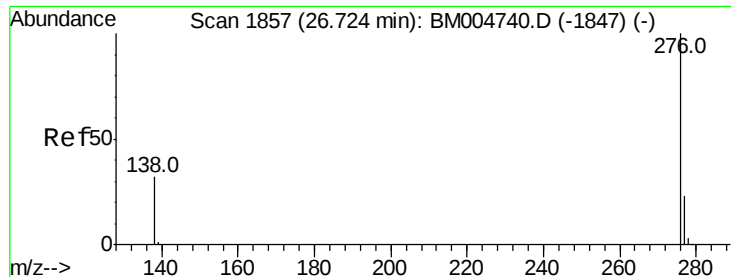


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#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: BM004743.D

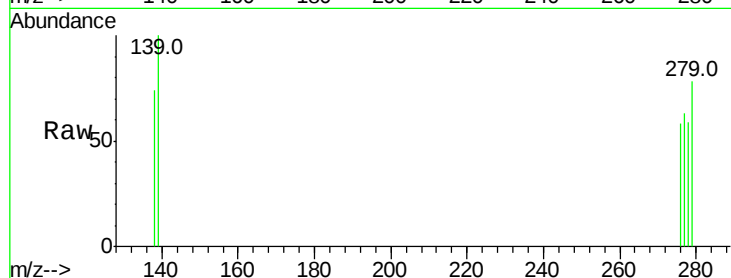
Acq: 23 Mar 2016 01:20

Instrument :

BNA_M

ClientSampleId :

A4T31



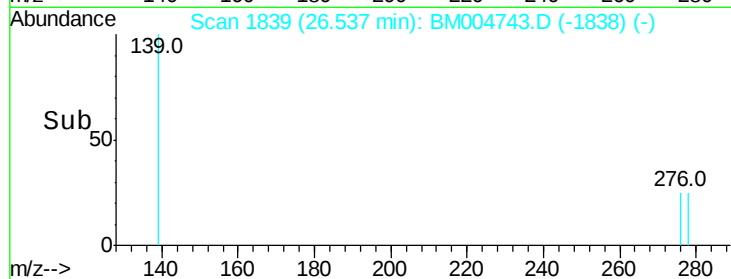
Tot Ion:276 Resp: 9

Ion Ratio Lower Upper

276 100

277 108.6 18.9 28.3#

138 127.6 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

26.54

Time-->