

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004762.D
 Acq On : 24 Mar 2016 22:37
 Operator : UM/SJ
 Sample : H1909-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T44

Quant Time: Mar 25 03:22:12 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 03:18:48 2016
 Response via : Initial Calibration

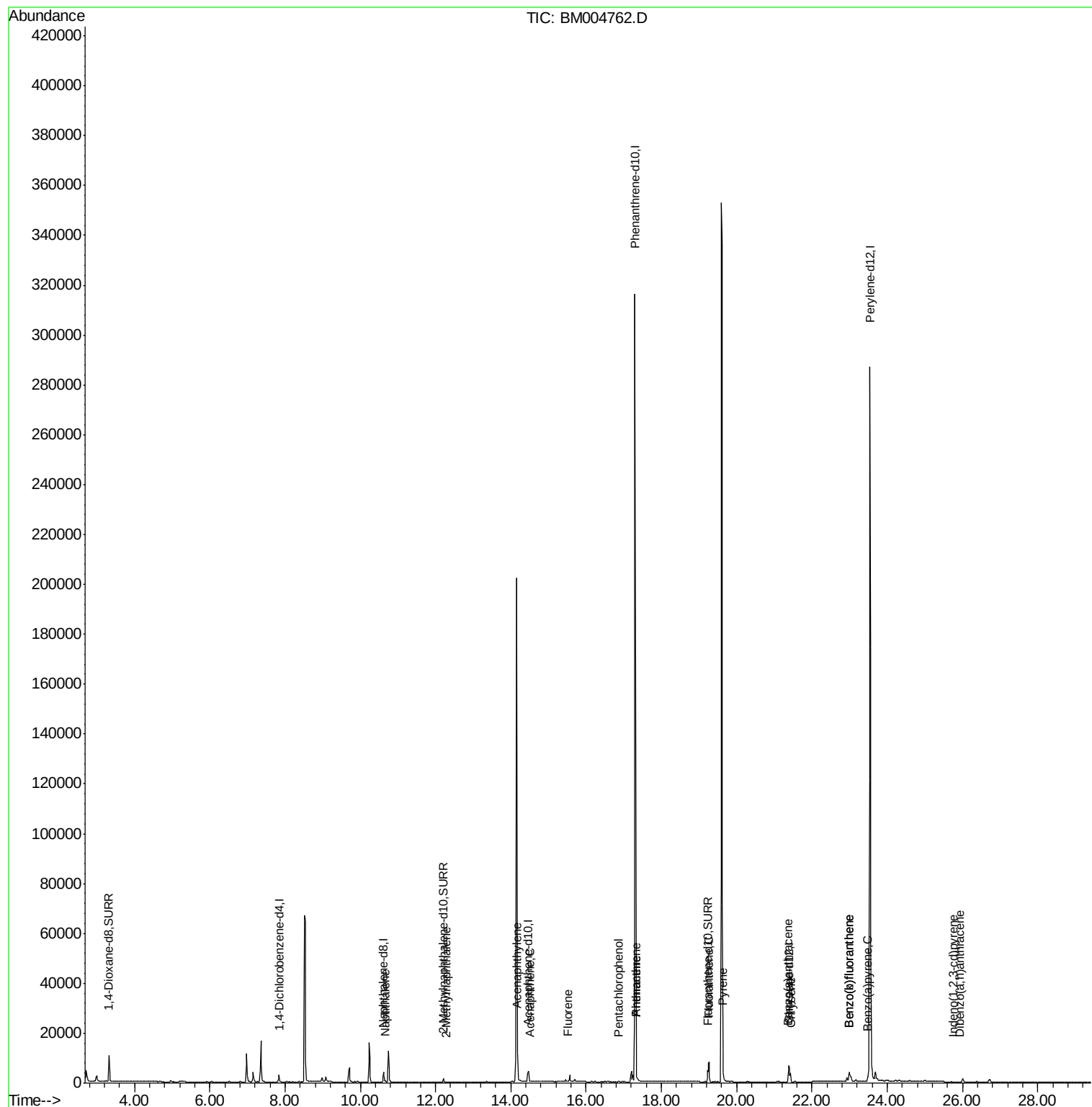
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1453	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5891	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	3155	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	432068	5.00	ng/ul	0.09
18) Chrysene-d12	21.40	240	5607	5.00	ng/ul	0.00
22) Perylene-d12	23.55	264	391192	5.00	ng/ul	-0.15
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	7700	10.93	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	2423	0.36	ng/ul	-0.01
16) Fluoranthene-d10	19.23	212	5353	0.01	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.67	128	1039	0.07	ng/ul#	80
7) 2-Methylnaphthalene	12.28	142	116	0.01	ng/ul	99
9) Acenaphthylene	14.18	152	831	0.07	ng/ul#	83
10) Acenaphthene	14.52	153	108	0.01	ng/ul#	80
11) Fluorene	15.51	166	218	0.02	ng/ul#	76
13) Pentachlorophenol	16.87	266	15	0.00	ng/ul#	15
14) Phenanthrene	17.33	178	1015	0.00	ng/ul#	76
15) Anthracene	17.33	178	1041	0.00	ng/ul#	76
17) Fluoranthene	19.27	202	8895	0.01	ng/ul	93
19) Pyrene	19.63	202	8894	0.45	ng/ul#	94
20) Benzo(a)anthracene	21.38	228	3634	0.27	ng/ul#	88
21) Chrysene	21.43	228	3979	0.22	ng/ul	94
23) Benzo(b)fluoranthene	23.00	252	4552	0.00	ng/ul	85
24) Benzo(k)fluoranthene	23.00	252	7453	0.01	ng/ul#	87
25) Benzo(a)pyrene	23.49	252	2749	0.00	ng/ul#	80
26) Indeno(1,2,3-cd)pyrene	25.76	276	270	0.00	ng/ul	95
27) Dibenzo(a,h)anthracene	25.91	278	124	0.00	ng/ul#	1

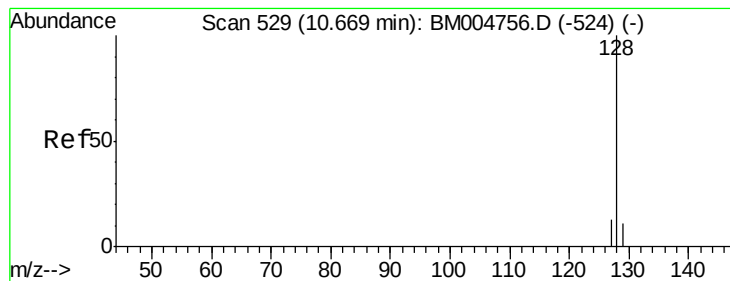
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.07 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004762.D

Acq: 24 Mar 2016 22:37

Instrument :

BNA_M

ClientSampleId :

A4T44

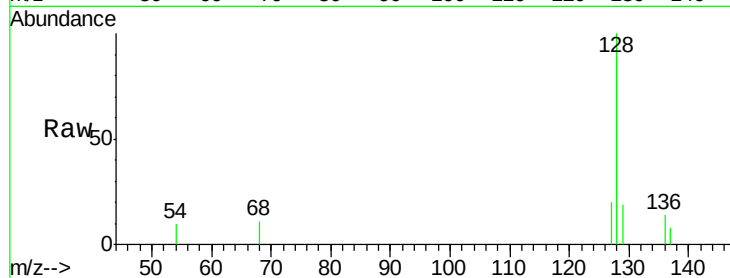
Tgt Ion:128 Resp: 1039

Ion Ratio Lower Upper

128 100

129 18.8 9.0 13.6#

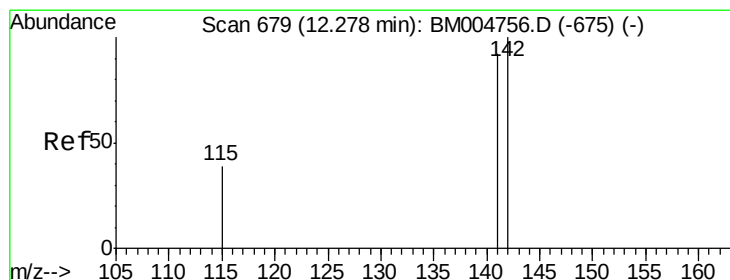
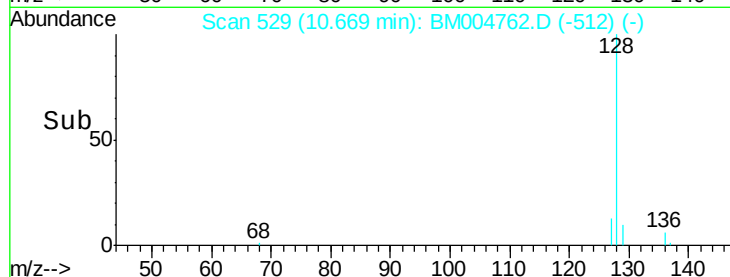
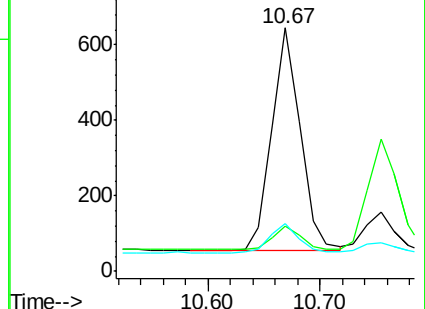
127 19.7 9.6 14.4#



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: 0.01 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. -0.00 min

Lab File: BM004762.D

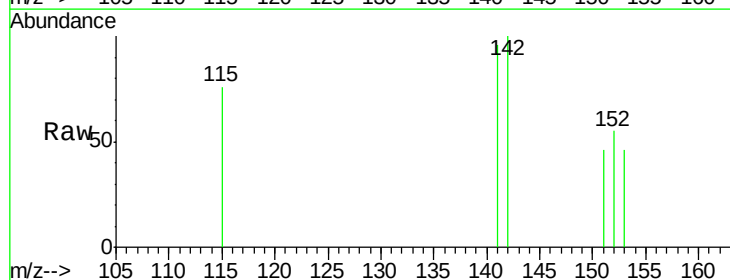
Acq: 24 Mar 2016 22:37

Tgt Ion:142 Resp: 116

Ion Ratio Lower Upper

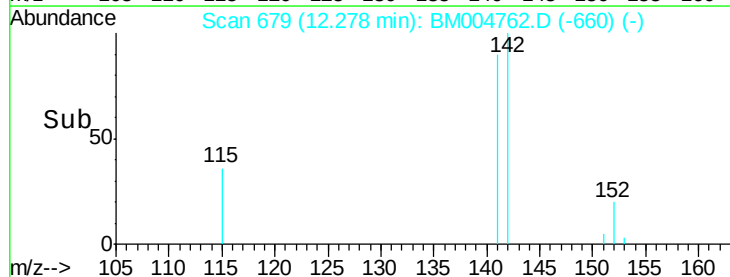
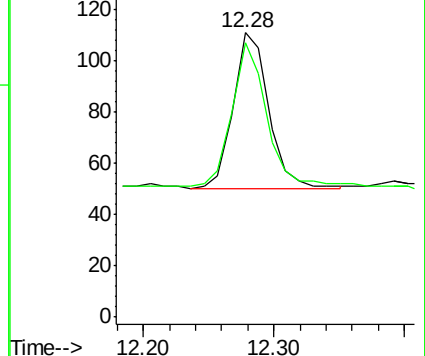
142 100

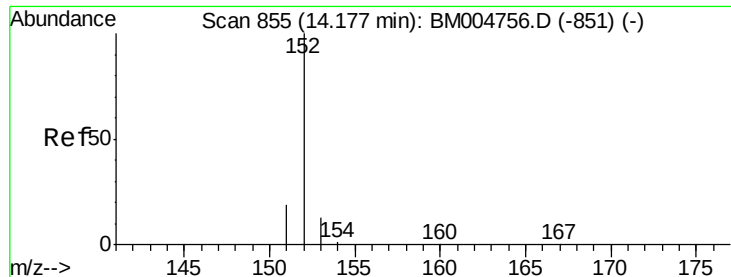
141 88.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.07 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004762.D

Acq: 24 Mar 2016 22:37

Instrument :

BNA_M

ClientSampleId :

A4T44

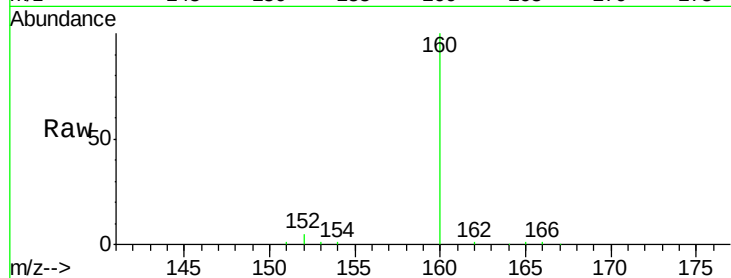
Tgt Ion:152 Resp: 831

Ion Ratio Lower Upper

152 100

151 27.4 17.6 26.4#

153 22.2 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

600

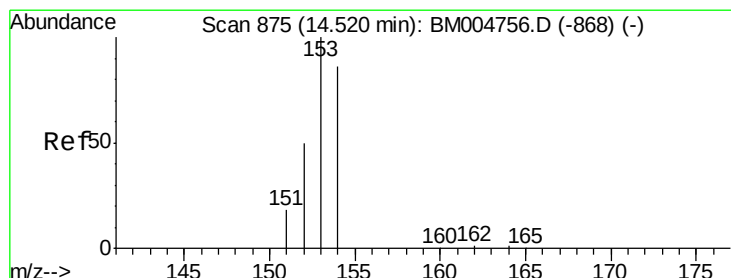
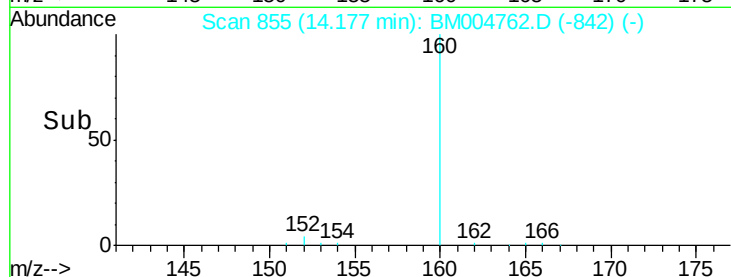
400

200

0

Time-->

14.00 14.10 14.20 14.30



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004762.D

Acq: 24 Mar 2016 22:37

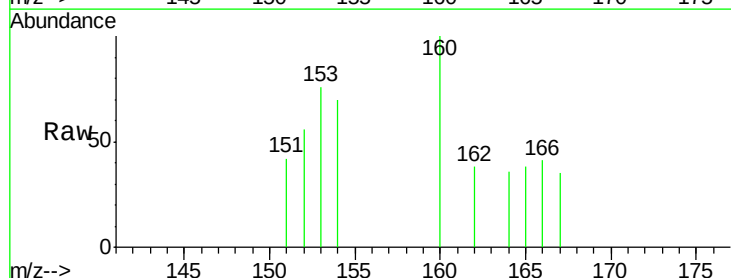
Tgt Ion:153 Resp: 108

Ion Ratio Lower Upper

153 100

152 73.5 33.9 50.9#

154 92.9 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

150

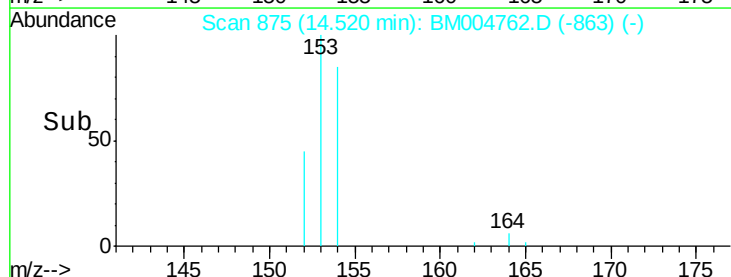
100

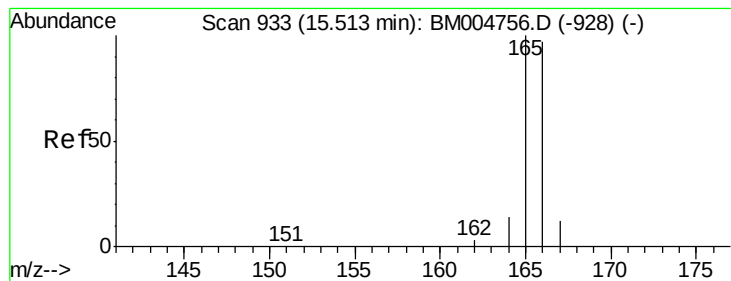
50

0

Time-->

14.45 14.50 14.55 14.60





#11

Fluorene

Concen: 0.02 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. -0.00 min

Lab File: BM004762.D

Acq: 24 Mar 2016 22:37

Instrument :

BNA_M

ClientSampleId :

A4T44

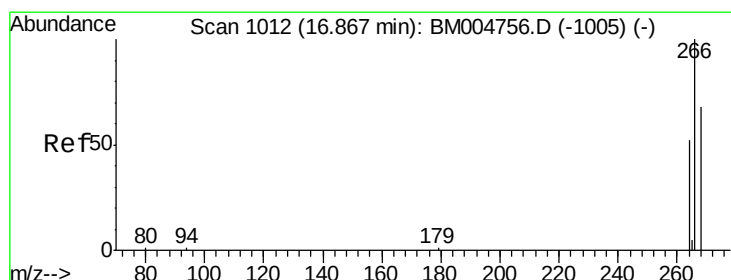
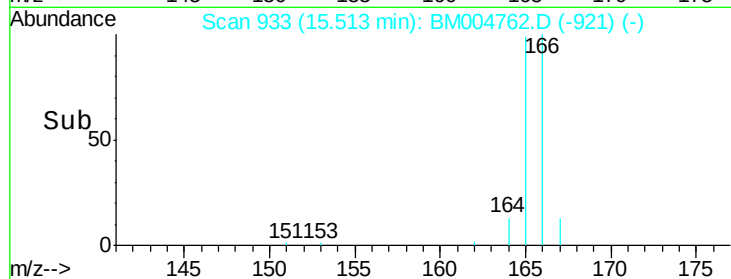
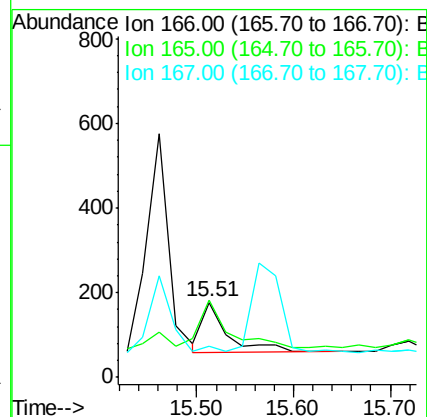
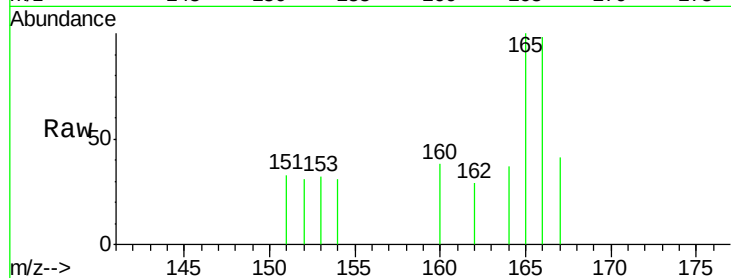
Tgt Ion:166 Resp: 218

Ion Ratio Lower Upper

166 100

165 102.2 69.6 104.4

167 42.1 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.87 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BM004762.D

Acq: 24 Mar 2016 22:37

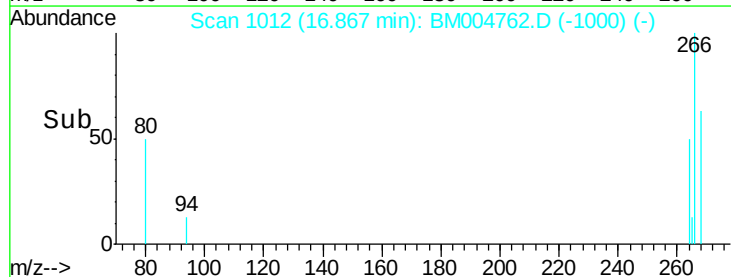
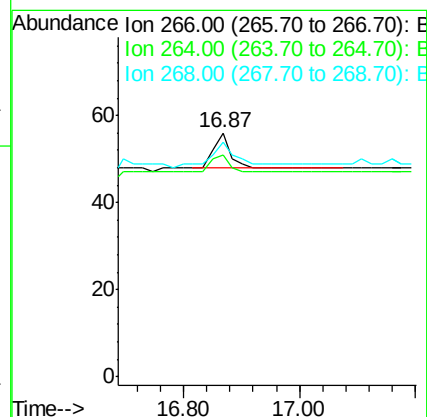
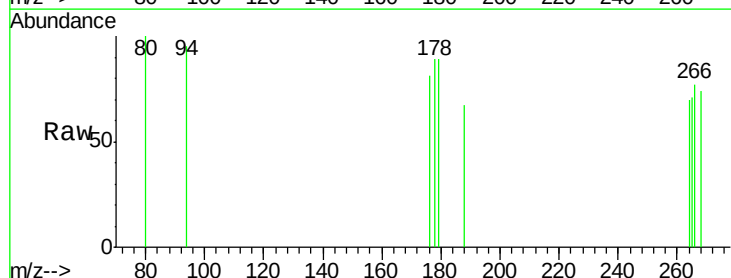
Tgt Ion:266 Resp: 15

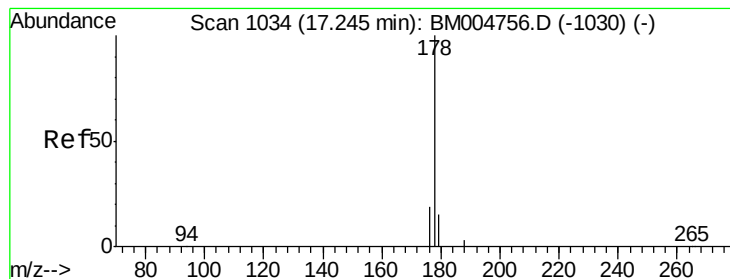
Ion Ratio Lower Upper

266 100

264 53.3 51.8 77.8

268 180.0 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: BM004762.D

Acq: 24 Mar 2016 22:37

Instrument :

BNA_M

ClientSampleId :

A4T44

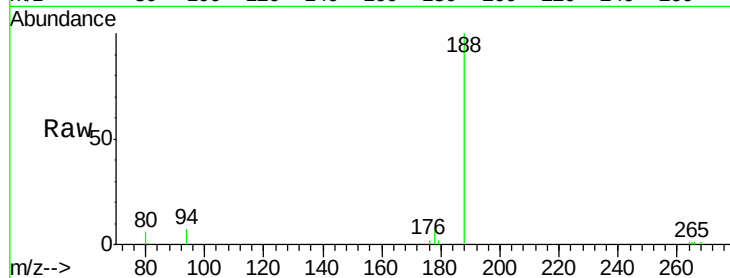
Tgt Ion:178 Resp: 1015

Ion Ratio Lower Upper

178 100

176 27.5 13.0 19.4#

179 27.0 14.2 21.2#

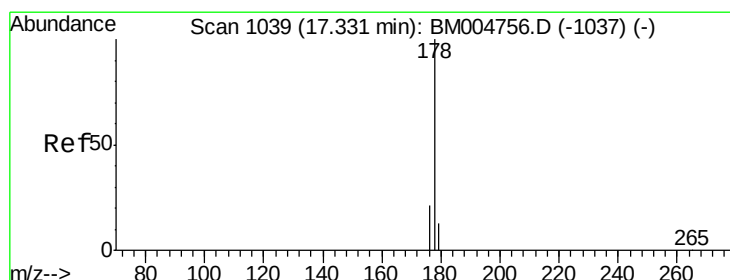
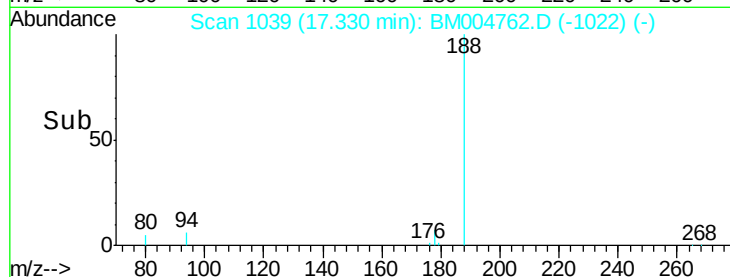
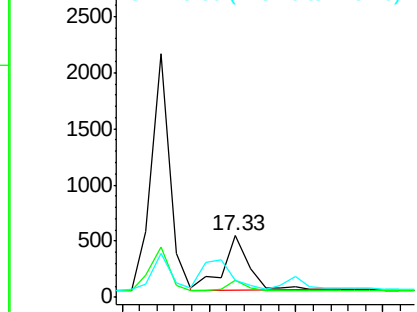


Abundance

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. -0.00 min

Lab File: BM004762.D

Acq: 24 Mar 2016 22:37

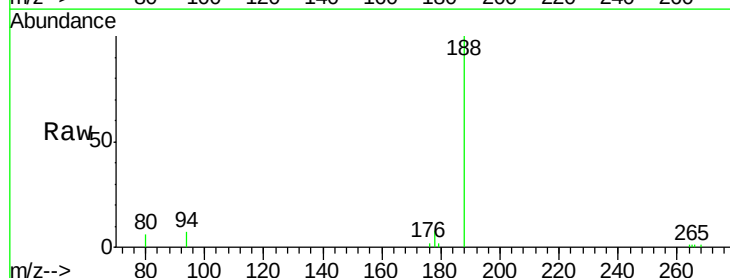
Tgt Ion:178 Resp: 1041

Ion Ratio Lower Upper

178 100

176 27.5 14.0 21.0#

179 27.0 12.9 19.3#

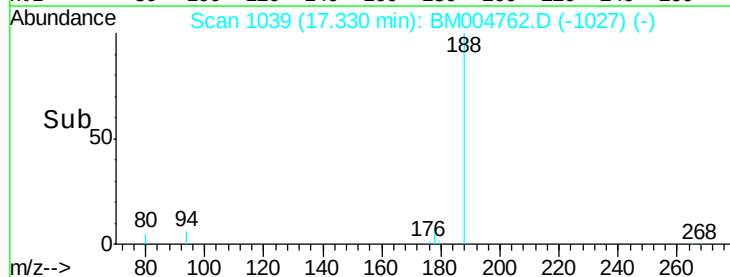
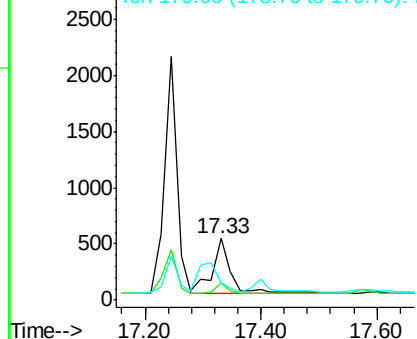


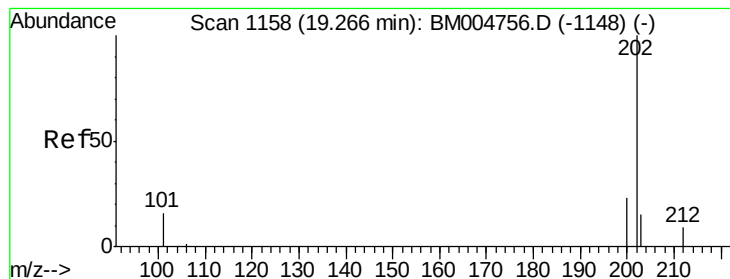
Abundance

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: 0.01 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BM004762.D

Acq: 24 Mar 2016 22:37

Instrument :

BNA_M

ClientSampleId :

A4T44

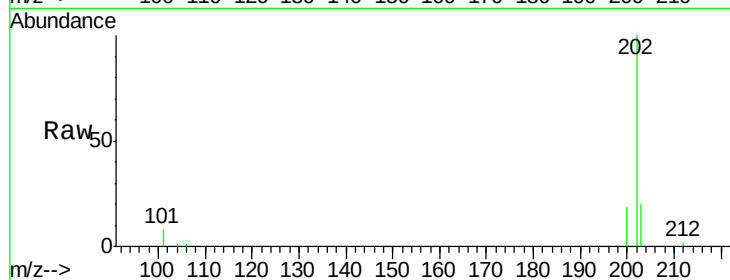
Tgt Ion:202 Resp: 8895

Ion Ratio Lower Upper

202 100

101 7.7 0.0 29.6

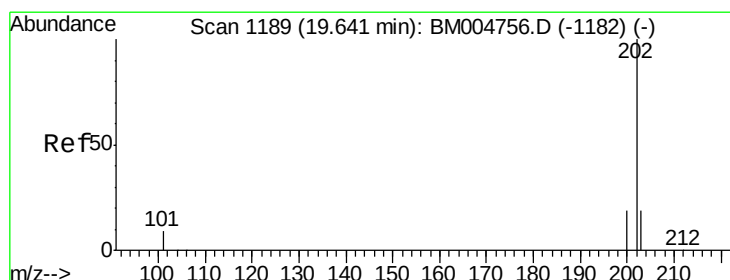
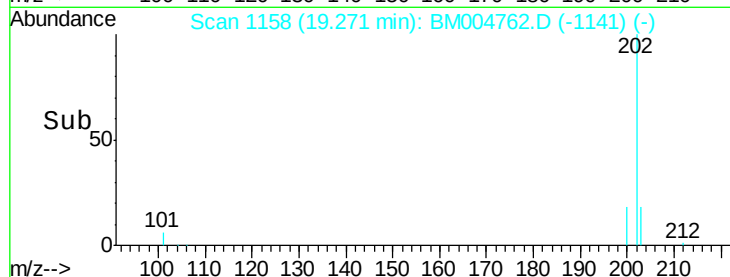
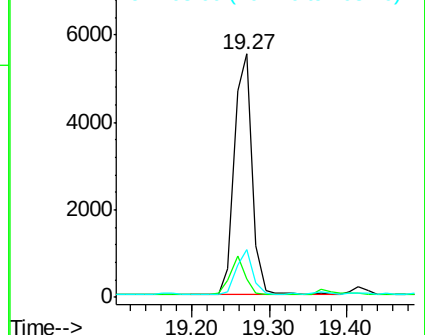
203 19.8 0.0 36.3



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: 0.45 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BM004762.D

Acq: 24 Mar 2016 22:37

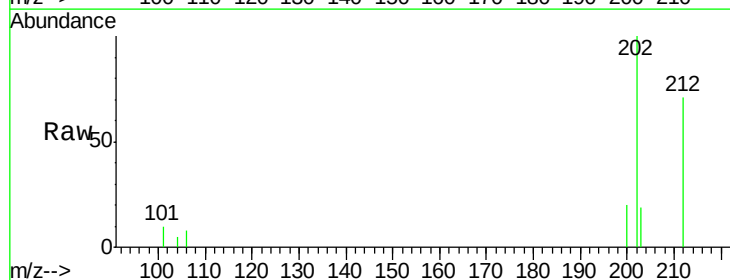
Tgt Ion:202 Resp: 8894

Ion Ratio Lower Upper

202 100

200 19.8 17.8 26.8

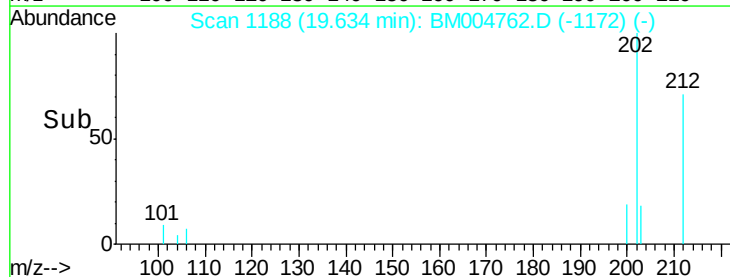
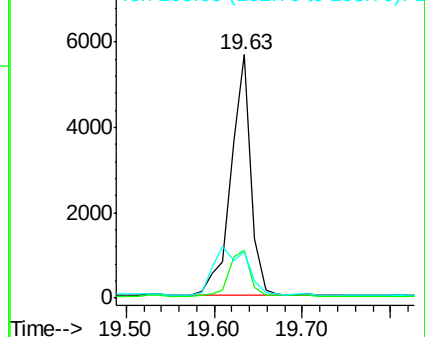
203 19.4 12.8 19.2#

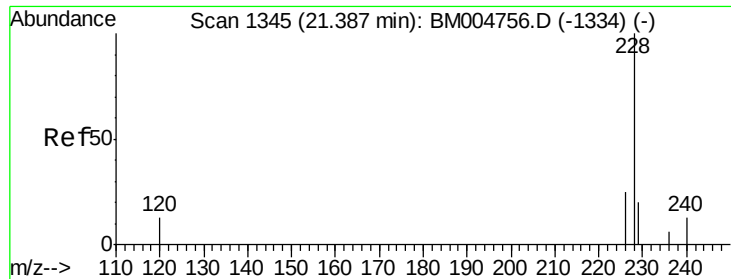


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.27 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BM004762.D

Acq: 24 Mar 2016 22:37

Instrument :

BNA_M

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A4T44

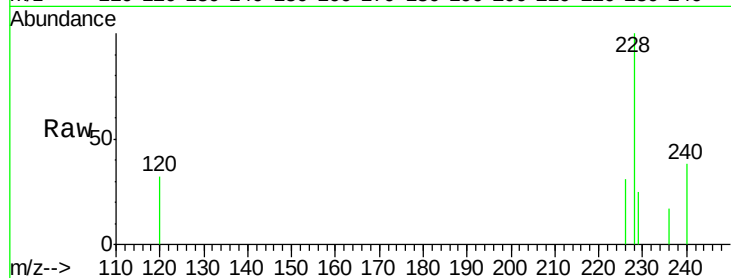
Tgt Ion:228 Resp: 3634

Ion Ratio Lower Upper

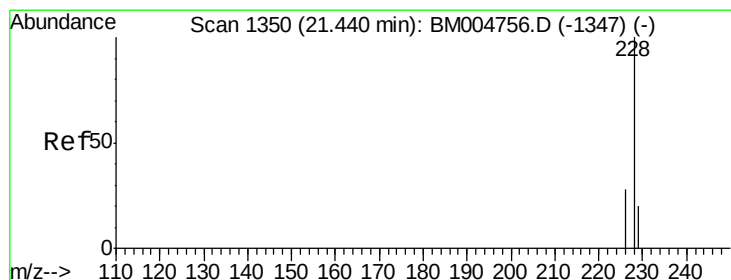
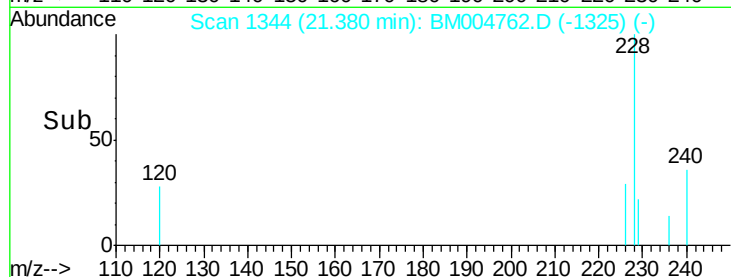
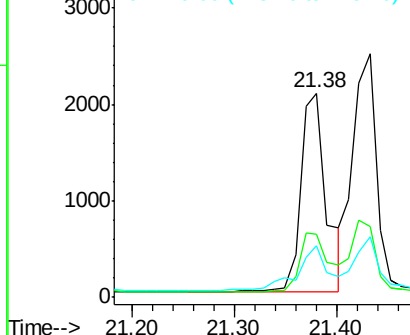
228 100

226 31.2 18.8 28.2#

229 25.5 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: 0.22 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BM004762.D

Acq: 24 Mar 2016 22:37

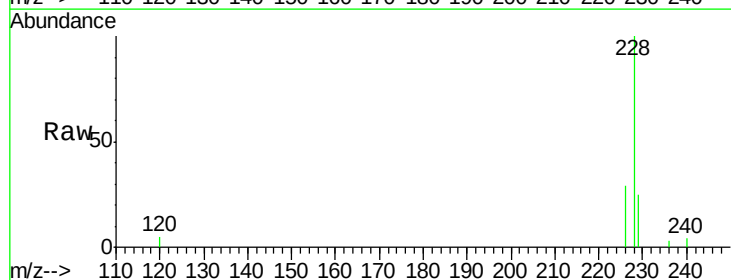
Tgt Ion:228 Resp: 3979

Ion Ratio Lower Upper

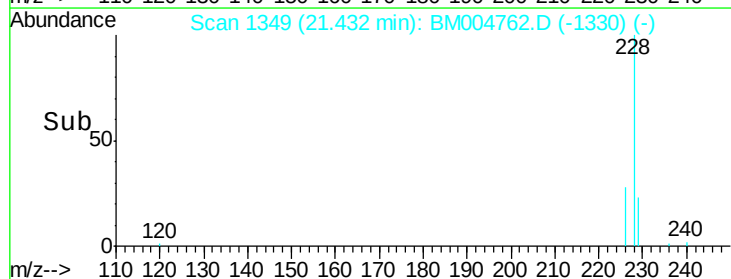
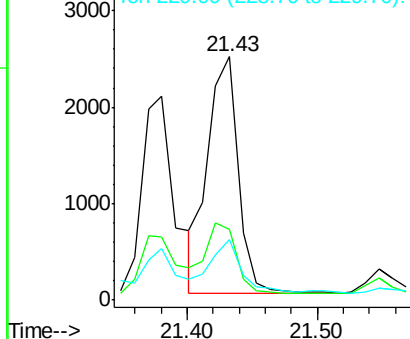
228 100

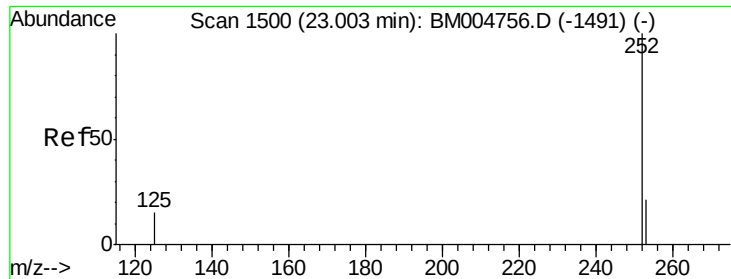
226 29.3 21.2 31.8

229 24.9 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: 23.00 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM004762.D

Acq: 24 Mar 2016 22:37

Instrument :

BNA_M

ClientSampleId :

A4T44

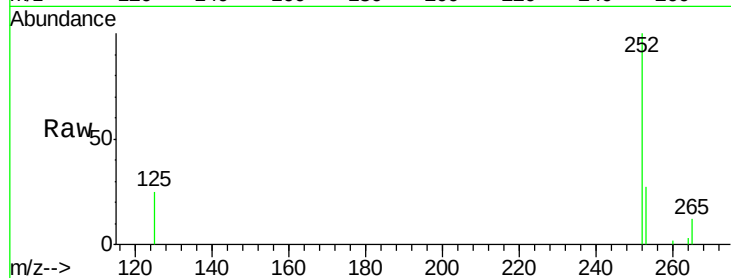
Tgt Ion:252 Resp: 4552

Ion Ratio Lower Upper

252 100

253 27.1 0.0 45.4

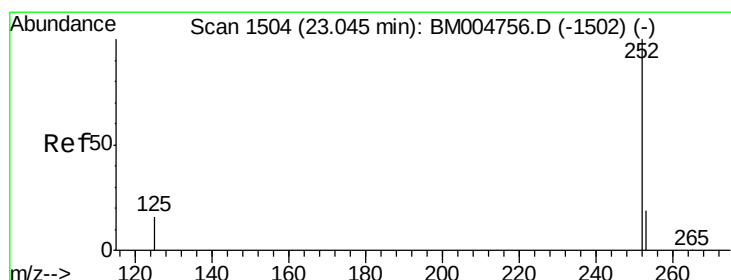
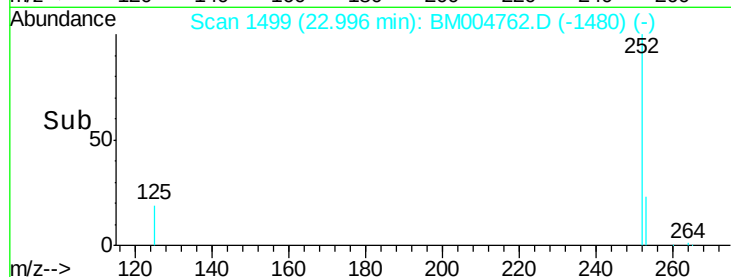
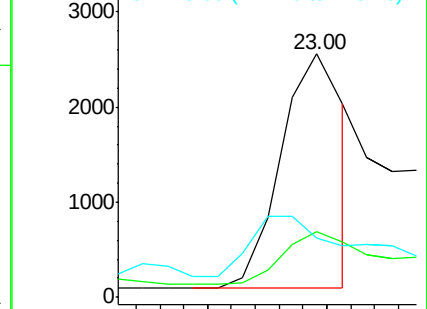
125 24.6 0.0 28.8



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: 0.01 ng/ul

RT: 23.00 min Scan# 1499

Delta R.T. -0.05 min

Lab File: BM004762.D

Acq: 24 Mar 2016 22:37

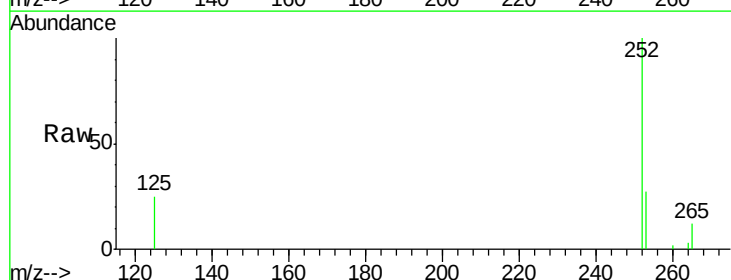
Tgt Ion:252 Resp: 7453

Ion Ratio Lower Upper

252 100

253 27.1 19.8 29.8

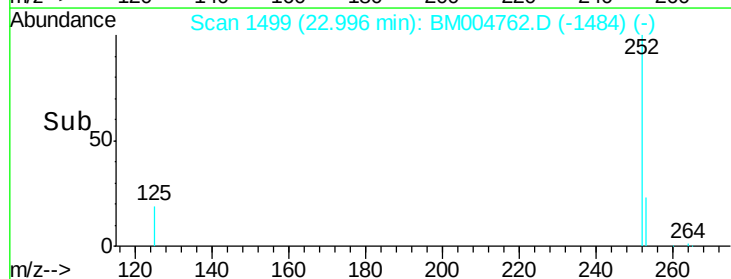
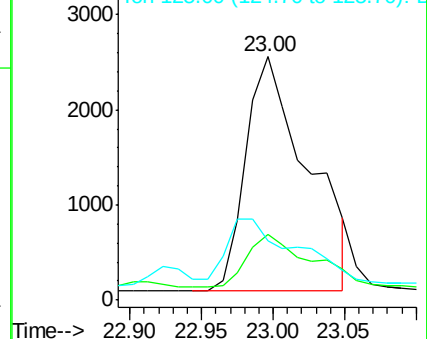
125 24.6 10.4 15.6#

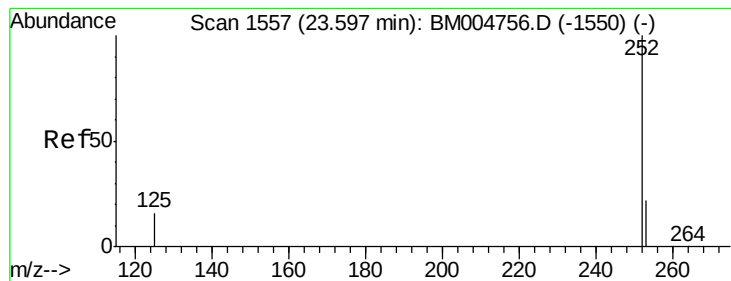


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.49 min Scan# 1546

Delta R.T. -0.11 min

Lab File: BM004762.D

Acq: 24 Mar 2016 22:37

Instrument :

BNA_M

ClientSampleId :

A4T44

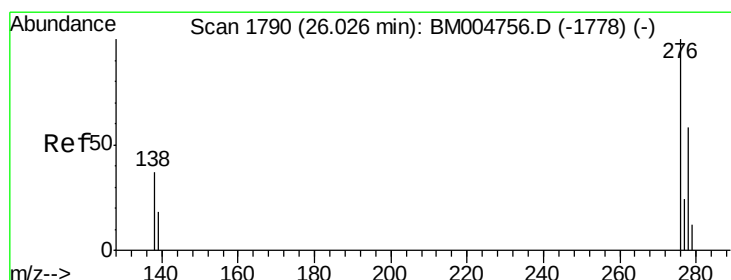
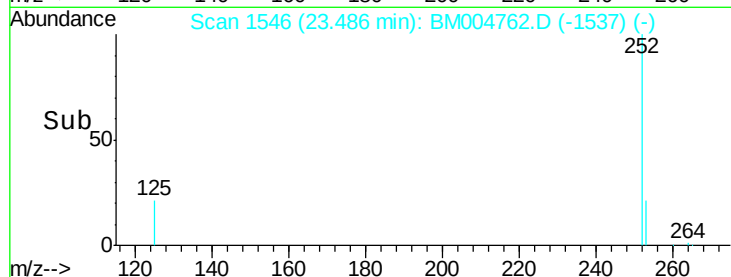
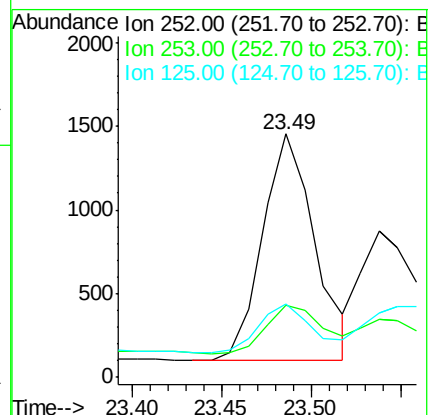
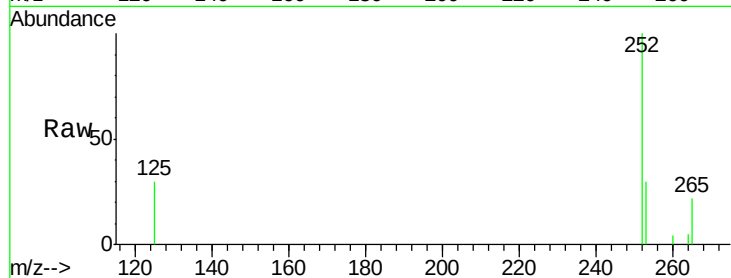
Tgt Ion:252 Resp: 2749

Ion Ratio Lower Upper

252 100

253 29.8 19.4 29.2#

125 30.1 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.76 min Scan# 1764

Delta R.T. -0.27 min

Lab File: BM004762.D

Acq: 24 Mar 2016 22:37

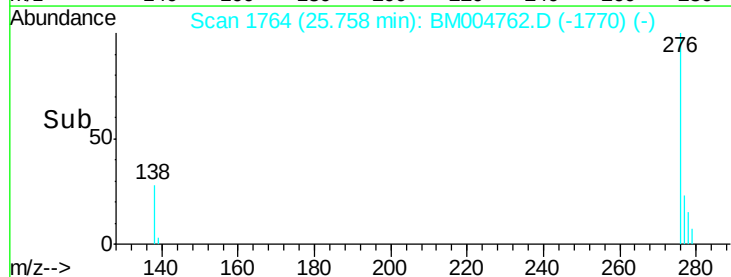
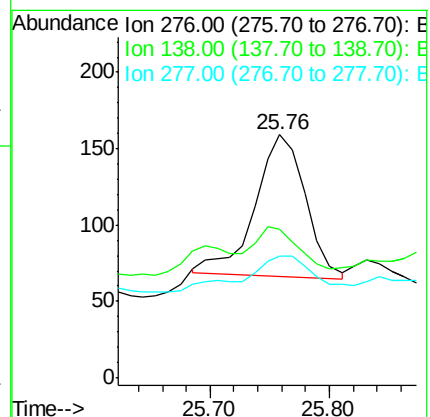
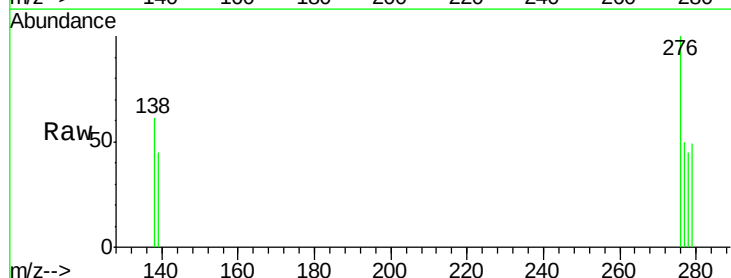
Tgt Ion:276 Resp: 270

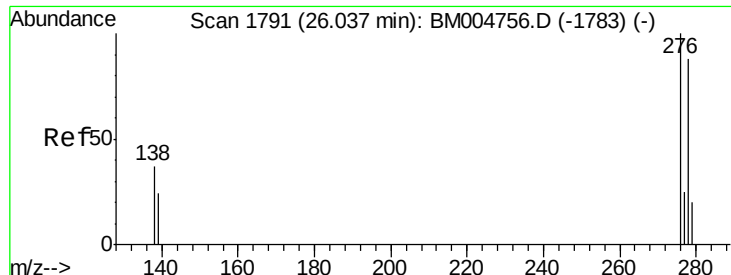
Ion Ratio Lower Upper

276 100

138 23.7 16.3 24.5

277 23.0 19.8 29.8





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.91 min Scan# 1779

Delta R.T. -0.12 min

Lab File: BM004762.D

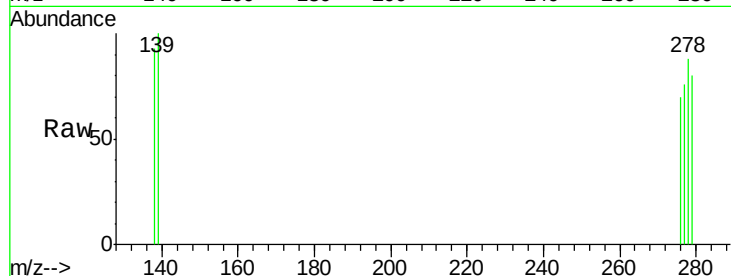
Acq: 24 Mar 2016 22:37

Instrument :

BNA_M

ClientSampleId :

A4T44



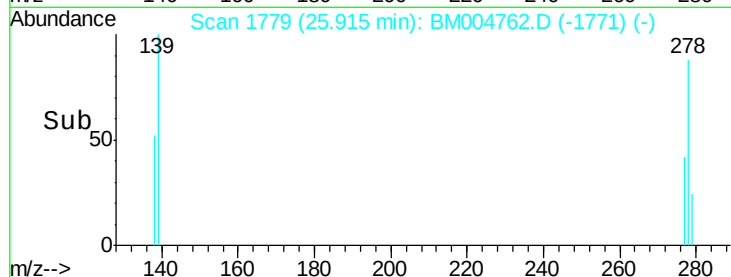
Tgt Ion: 278 Resp: 124

Ion Ratio Lower Upper

278 100

139 113.5 16.4 24.6#

279 91.0 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

25.91

Time-->