

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032516\
 Data File : BM004784.D
 Acq On : 25 Mar 2016 19:06
 Operator : UM/SJ
 Sample : H1909-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T44

Quant Time: Mar 26 02:45:03 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 02:43:19 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1361	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	6412	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	4024	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	558331	5.00	ng/ul	0.09
18) Chrysene-d12	21.40	240	8727	5.00	ng/ul	0.00
22) Perylene-d12	23.55	264	556807	5.00	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	6815	11.11	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	3138	0.35	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	8074	0.01	ng/ul	0.00

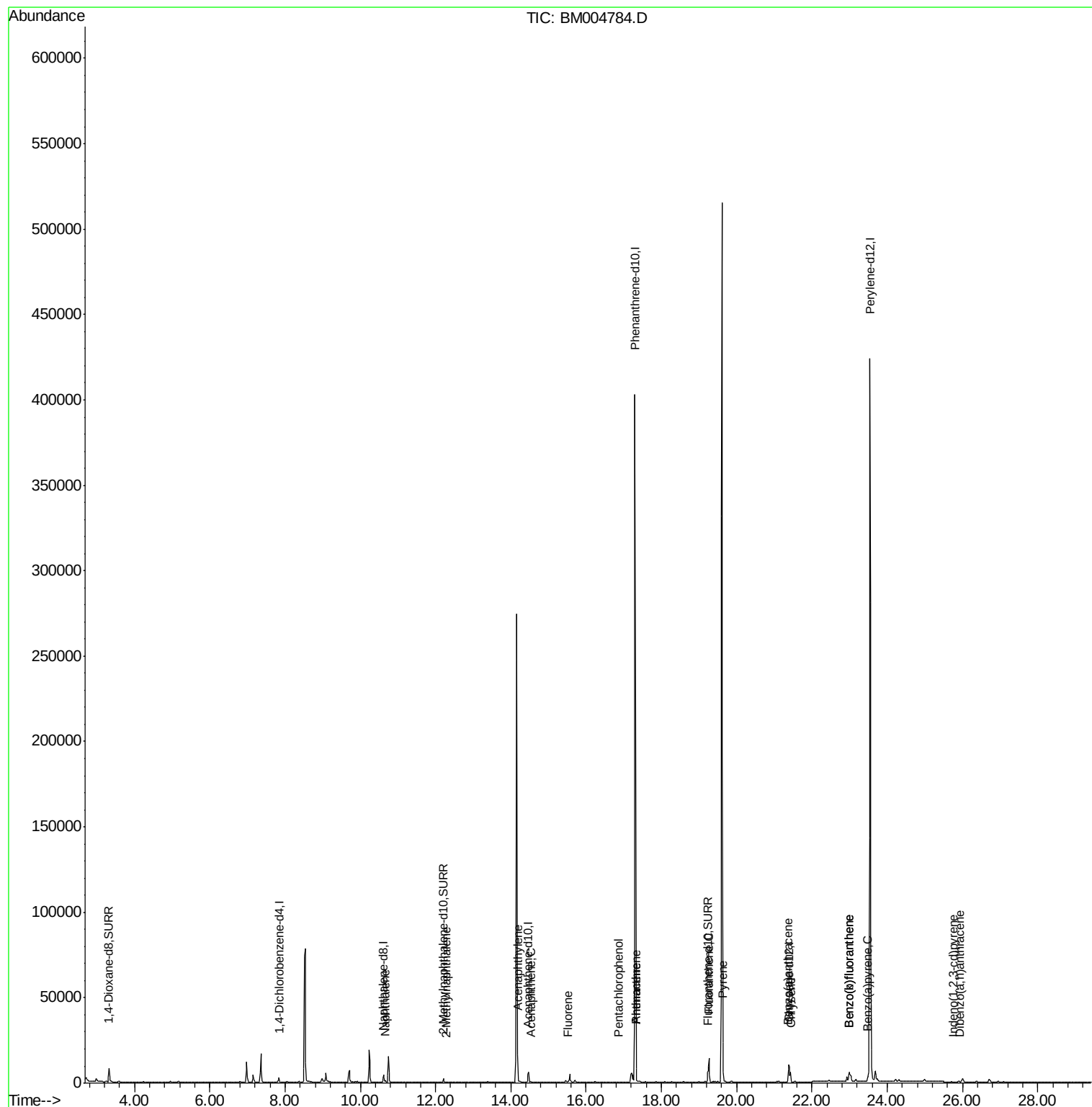
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	1187	0.08	ng/ul#	82
7) 2-Methylnaphthalene	12.28	142	145	0.01	ng/ul	95
9) Acenaphthylene	14.18	152	1073	0.06	ng/ul#	88
10) Acenaphthene	14.52	153	138	0.01	ng/ul#	77
11) Fluorene	15.51	166	317	0.02	ng/ul#	74
13) Pentachlorophenol	16.87	266	39	0.00	ng/ul#	85
14) Phenanthrene	17.33	178	1358	0.00	ng/ul#	79
15) Anthracene	17.33	178	1327	0.00	ng/ul#	78
17) Fluoranthene	19.27	202	13146	0.01	ng/ul	96
19) Pyrene	19.63	202	12266	0.41	ng/ul	97
20) Benzo(a)anthracene	21.38	228	5928	0.22	ng/ul#	89
21) Chrysene	21.43	228	6190	0.24	ng/ul	94
23) Benzo(b)fluoranthene	22.99	252	7217	0.00	ng/ul	86
24) Benzo(k)fluoranthene	22.99	252	12198	0.01	ng/ul#	88
25) Benzo(a)pyrene	23.48	252	4277	0.00	ng/ul#	82
26) Indeno(1,2,3-cd)pyrene	25.76	276	423	0.00	ng/ul#	89
27) Dibenzo(a,h)anthracene	25.91	278	210	0.00	ng/ul#	1

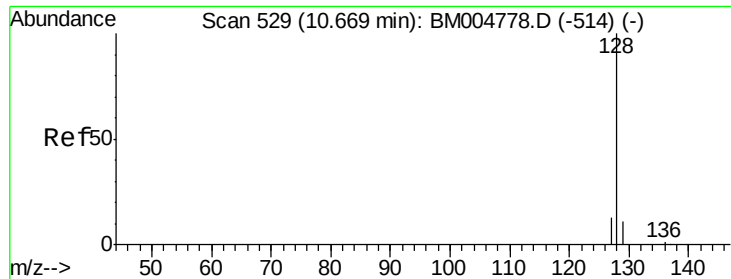
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.08 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004784.D

Acq: 25 Mar 2016 19:06

Instrument :

BNA_M

ClientSampleId :

A4T44

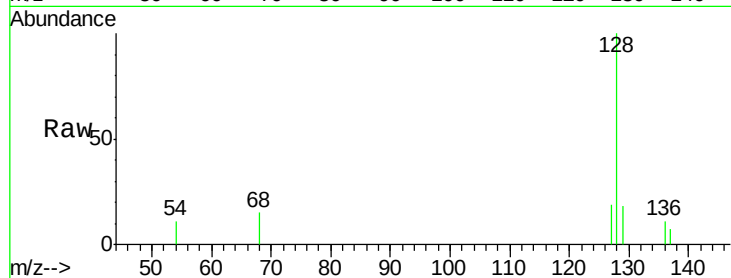
Tgt Ion:128 Resp: 1187

Ion Ratio Lower Upper

128 100

129 17.8 9.0 13.6#

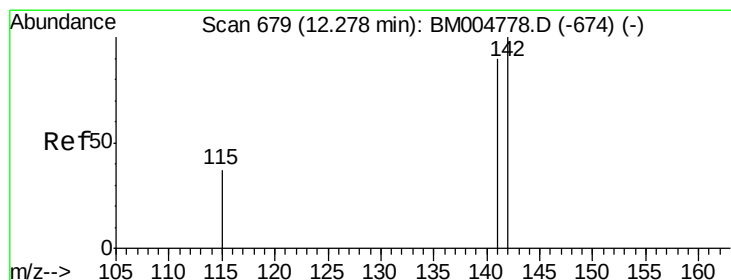
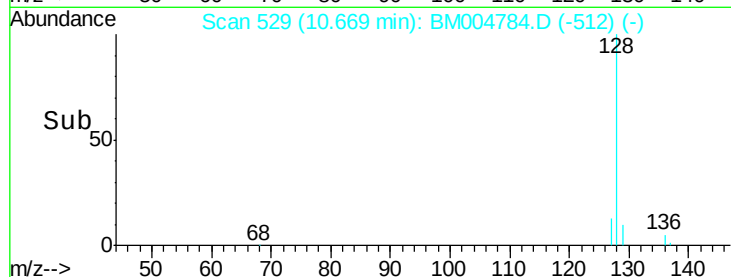
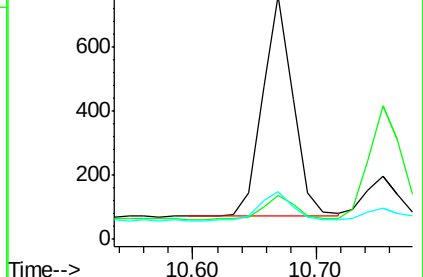
127 19.5 9.6 14.4#



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: BM004784.D

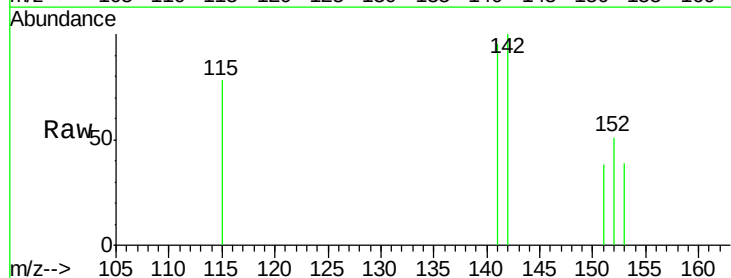
Acq: 25 Mar 2016 19:06

Tgt Ion:142 Resp: 145

Ion Ratio Lower Upper

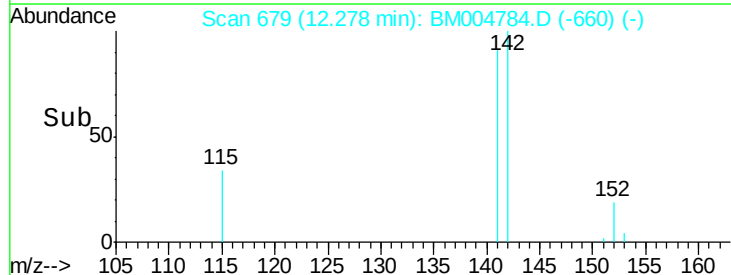
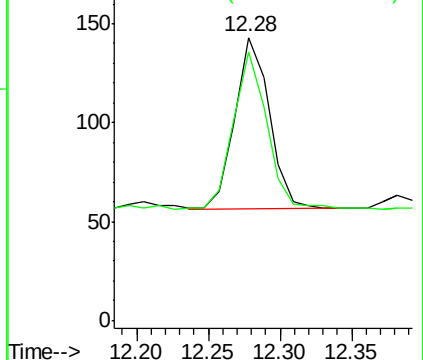
142 100

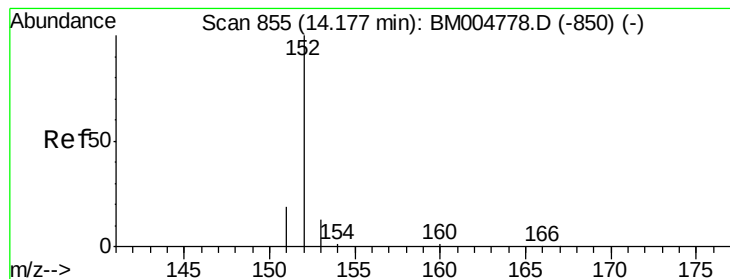
141 92.4 70.3 105.5



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: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004784.D

Acq: 25 Mar 2016 19:06

Instrument :

BNA_M

ClientSampleId :

A4T44

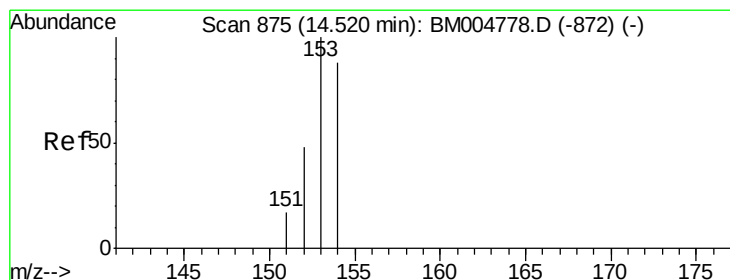
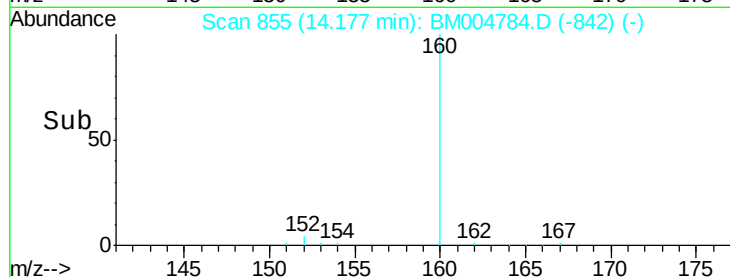
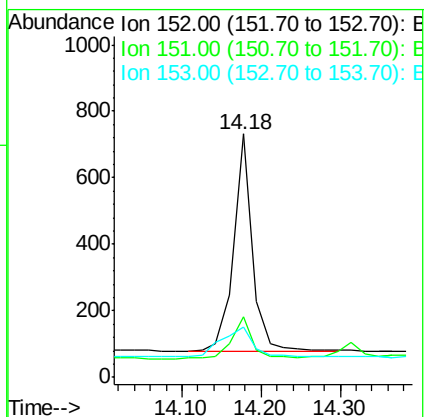
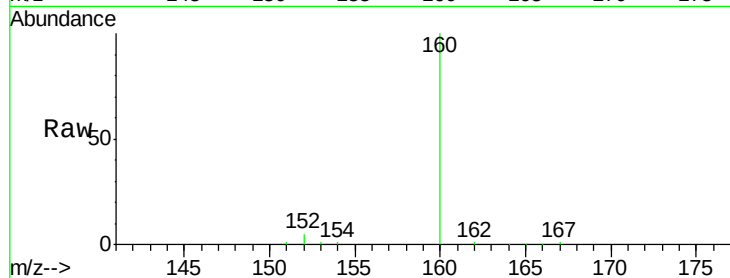
Tgt Ion:152 Resp: 1073

Ion Ratio Lower Upper

152 100

151 25.1 17.6 26.4

153 20.9 9.7 14.5#



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004784.D

Acq: 25 Mar 2016 19:06

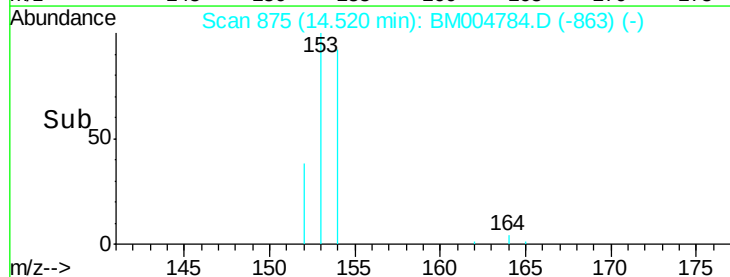
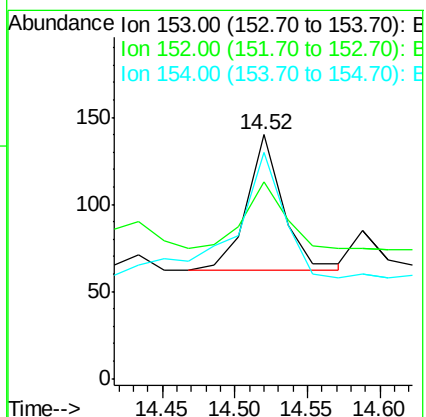
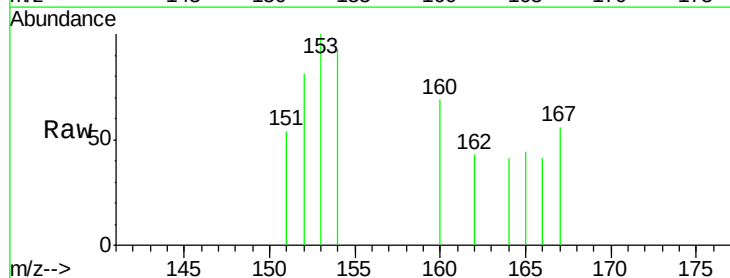
Tgt Ion:153 Resp: 138

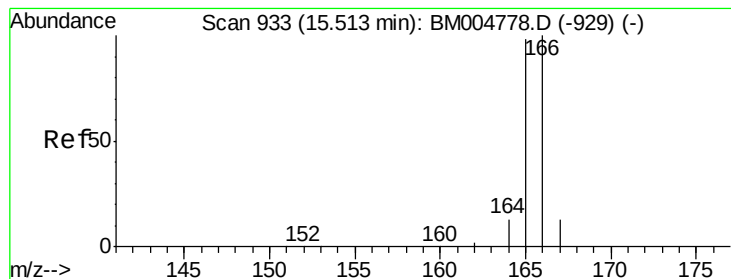
Ion Ratio Lower Upper

153 100

152 80.7 33.9 50.9#

154 92.9 80.6 121.0





#11

Fluorene

Concen: 0.02 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004784.D

Acq: 25 Mar 2016 19:06

Instrument :

BNA_M

ClientSampleId :

A4T44

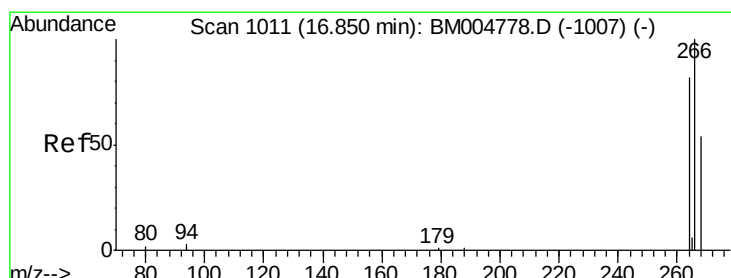
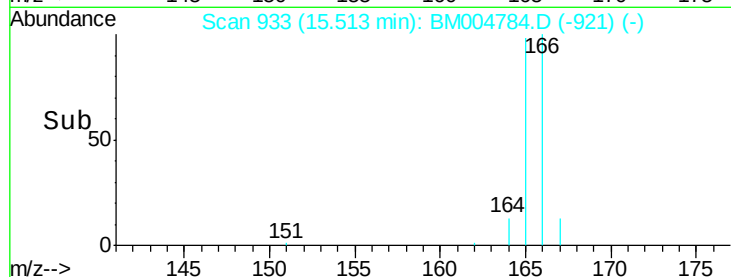
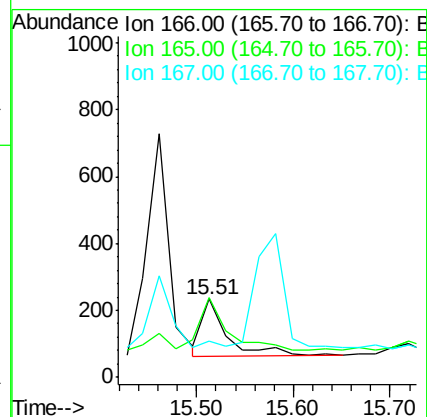
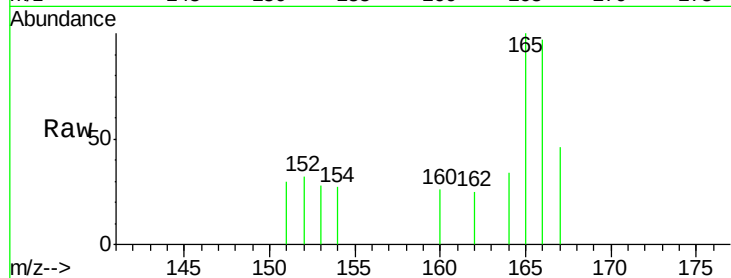
Tgt Ion:166 Resp: 317

Ion Ratio Lower Upper

166 100

165 102.6 69.6 104.4

167 46.8 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.87 min Scan# 1012

Delta R.T. 0.02 min

Lab File: BM004784.D

Acq: 25 Mar 2016 19:06

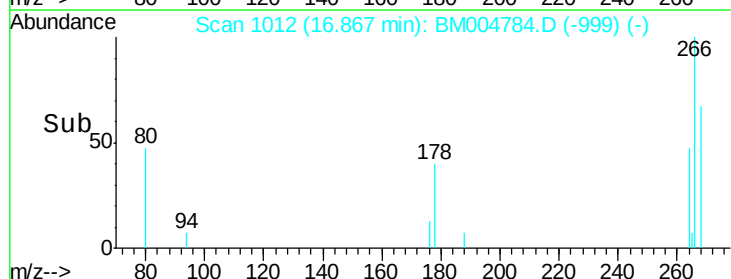
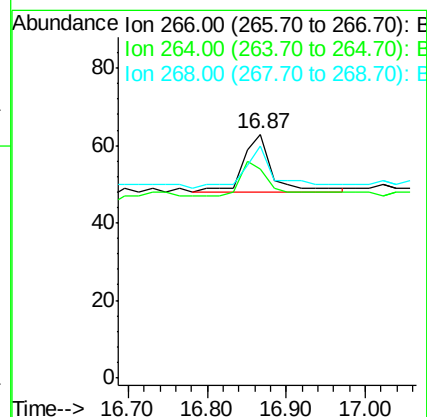
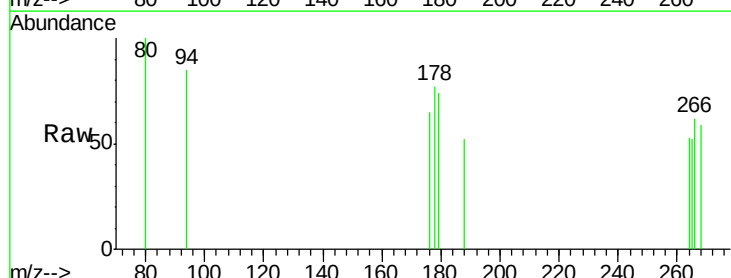
Tgt Ion:266 Resp: 39

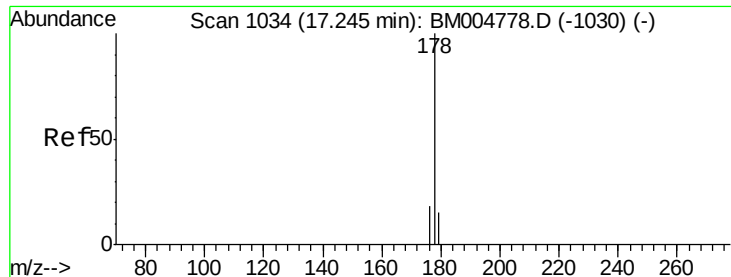
Ion Ratio Lower Upper

266 100

264 69.2 51.8 77.8

268 76.9 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: BM004784.D

Acq: 25 Mar 2016 19:06

Instrument :

BNA_M

ClientSampleId :

A4T44

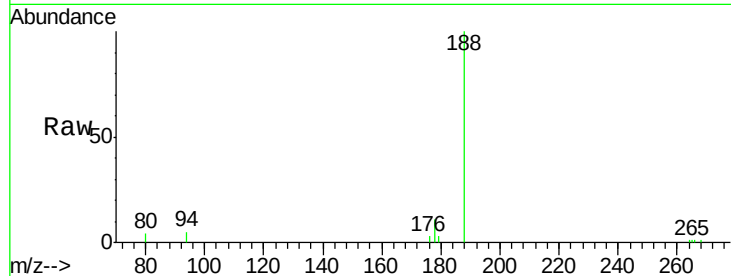
Tgt Ion:178 Resp: 1358

Ion Ratio Lower Upper

178 100

176 26.9 13.0 19.4#

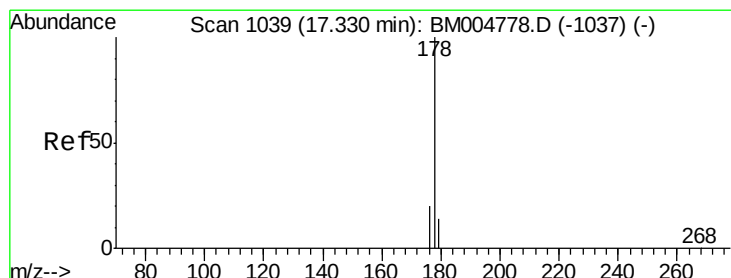
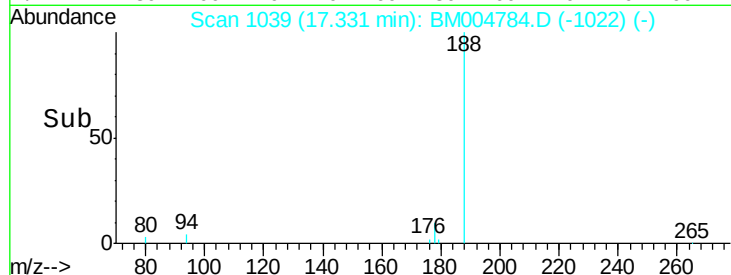
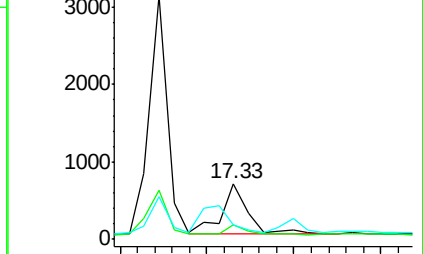
179 25.4 14.2 21.2#



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. 0.00 min

Lab File: BM004784.D

Acq: 25 Mar 2016 19:06

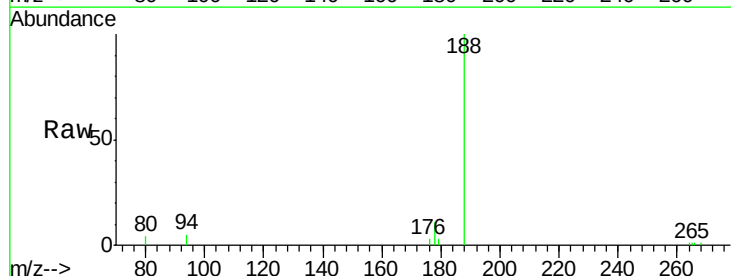
Tgt Ion:178 Resp: 1327

Ion Ratio Lower Upper

178 100

176 26.9 14.0 21.0#

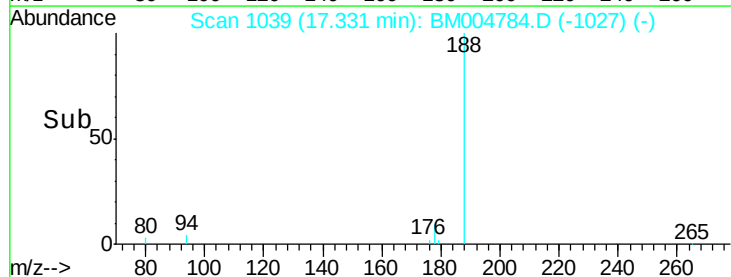
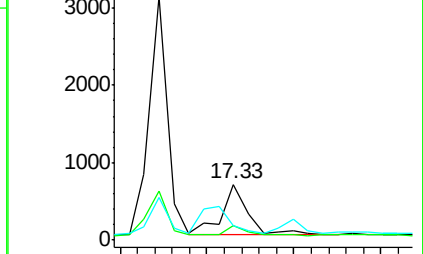
179 25.4 12.9 19.3#

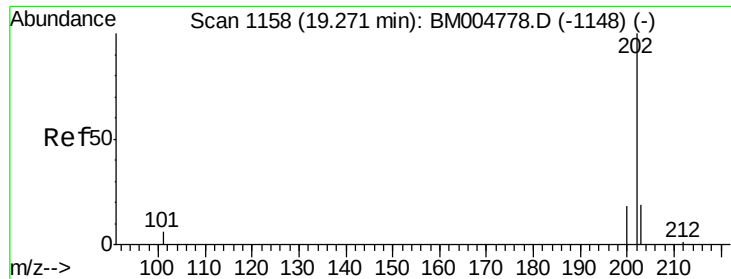


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

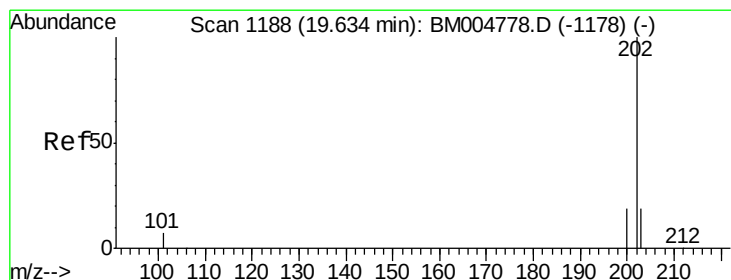
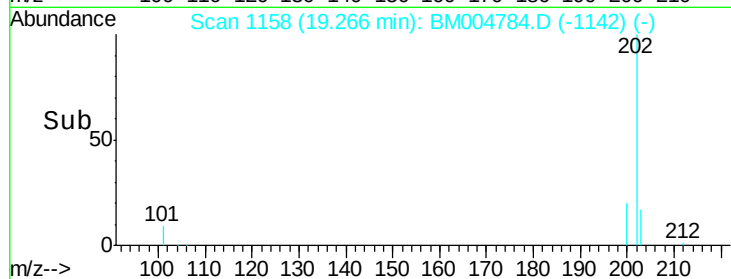
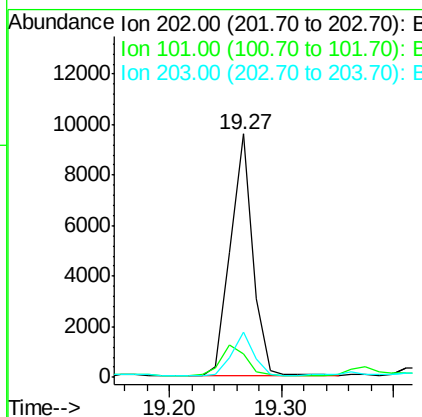
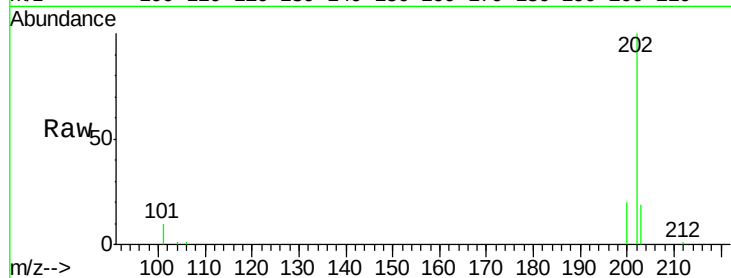




#17
Fluoranthene
Concen: 0.01 ng/ul
RT: 19.27 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BM004784.D
Acq: 25 Mar 2016 19:06

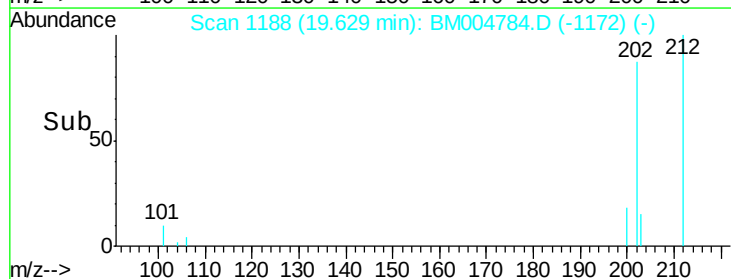
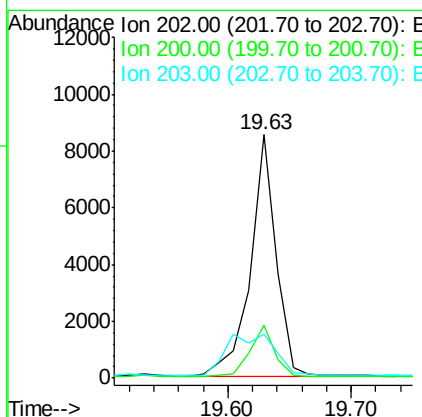
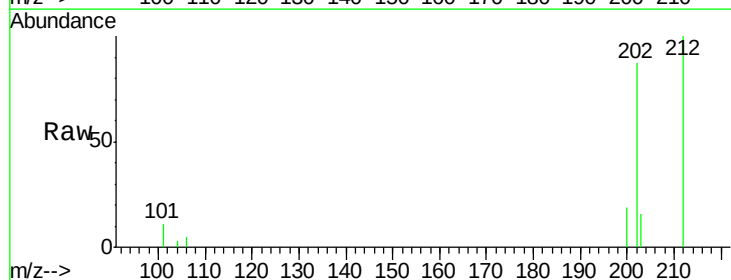
Instrument :
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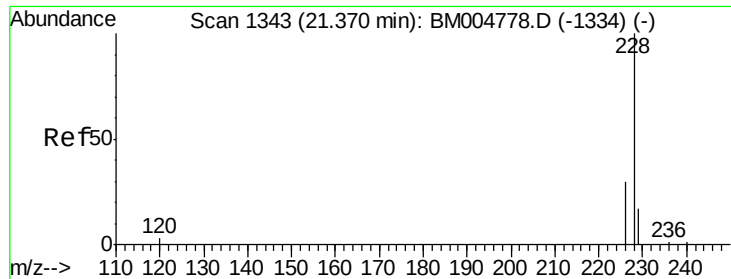
Tgt Ion:202 Resp: 13146
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.6
203 18.7 0.0 36.3



#19
Pyrene
Concen: 0.41 ng/ul
RT: 19.63 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BM004784.D
Acq: 25 Mar 2016 19:06

Tgt Ion:202 Resp: 12266
Ion Ratio Lower Upper
202 100
200 21.5 17.8 26.8
203 18.2 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.22 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.01 min

Lab File: BM004784.D

Acq: 25 Mar 2016 19:06

Instrument :

BNA_M

ClientSampleId :

A4T44

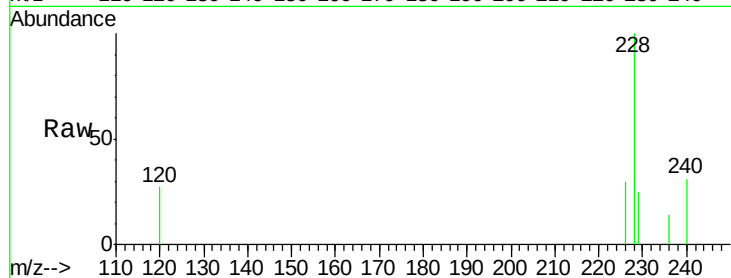
Tgt Ion:228 Resp: 5928

Ion Ratio Lower Upper

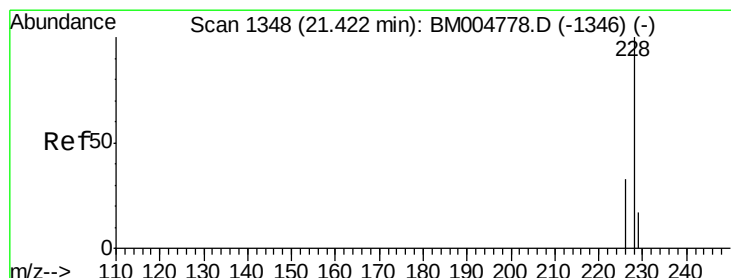
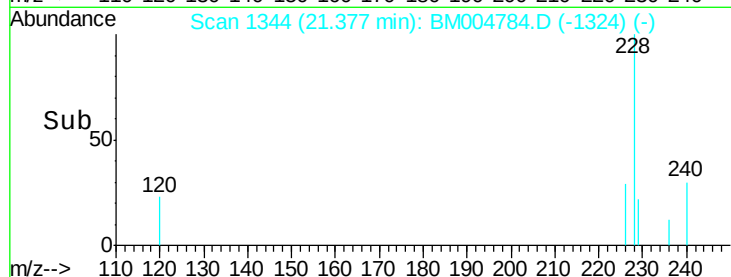
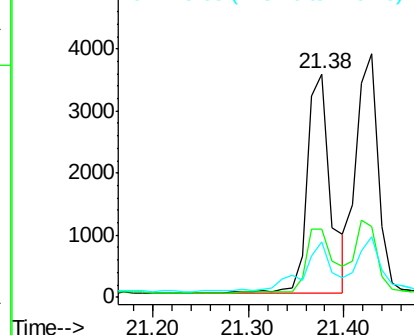
228 100

226 30.3 18.8 28.2#

229 25.0 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: 0.24 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BM004784.D

Acq: 25 Mar 2016 19:06

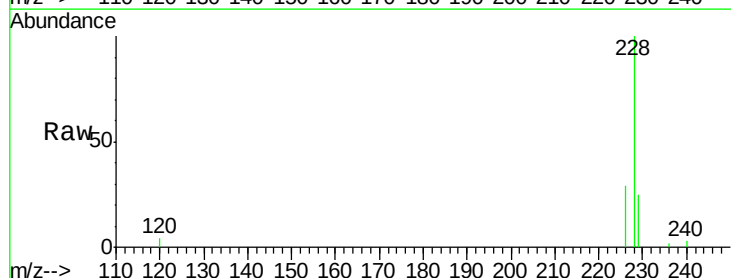
Tgt Ion:228 Resp: 6190

Ion Ratio Lower Upper

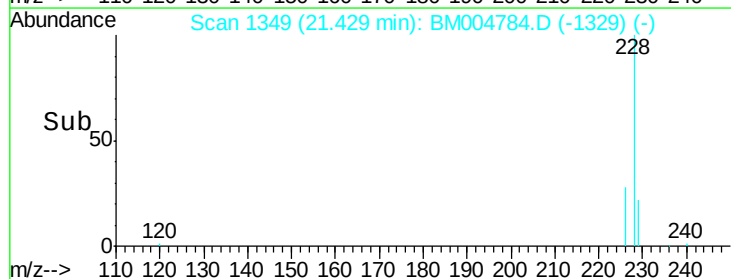
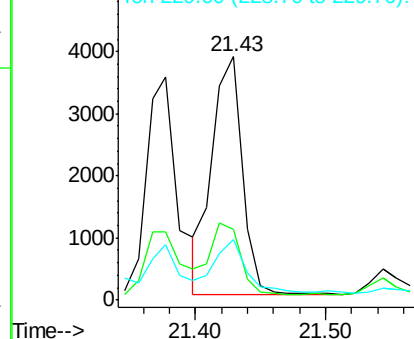
228 100

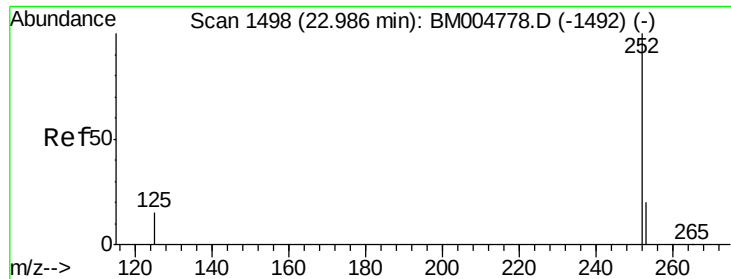
226 29.1 21.2 31.8

229 24.7 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: 22.99 min Scan# 1499

Delta R.T. 0.01 min

Lab File: BM004784.D

Acq: 25 Mar 2016 19:06

Instrument :

BNA_M

ClientSampleId :

A4T44

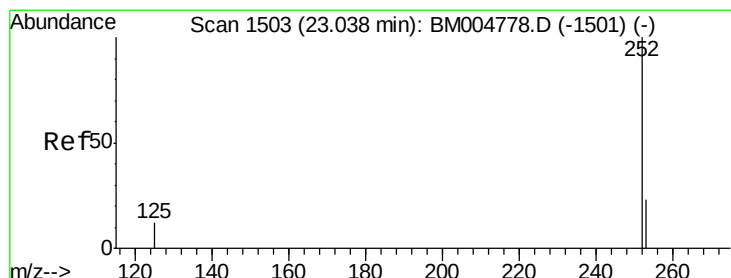
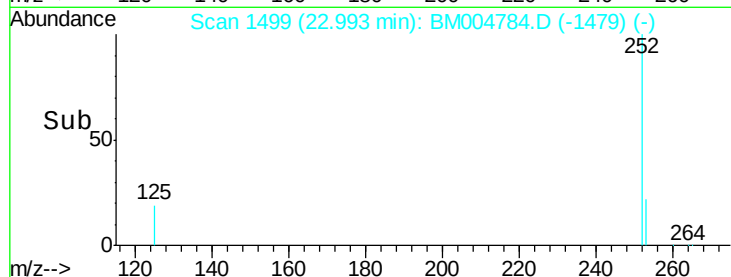
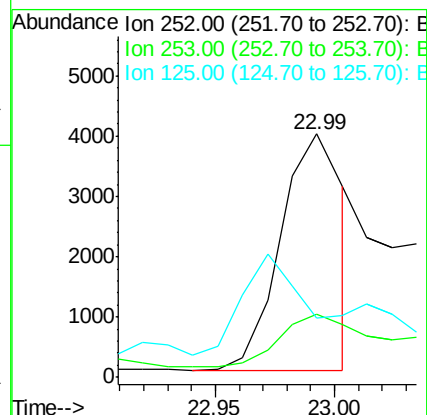
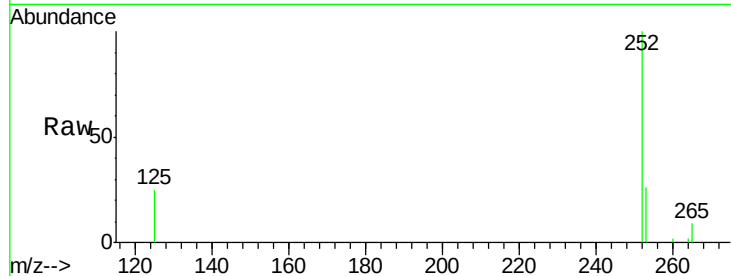
Tgt Ion:252 Resp: 7217

Ion Ratio Lower Upper

252 100

253 26.1 0.0 45.4

125 24.6 0.0 28.8



#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.04 min

Lab File: BM004784.D

Acq: 25 Mar 2016 19:06

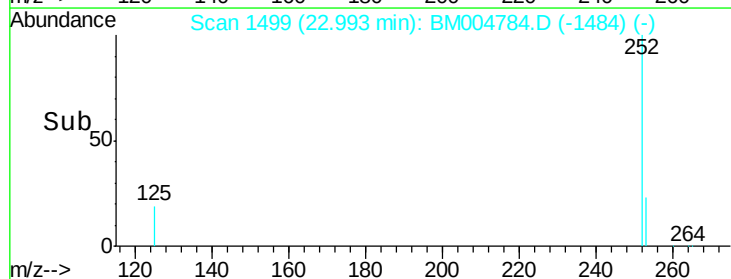
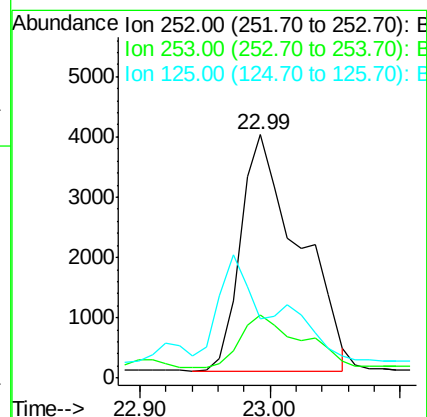
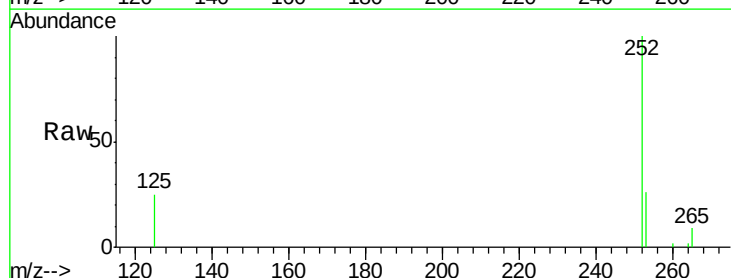
Tgt Ion:252 Resp: 12198

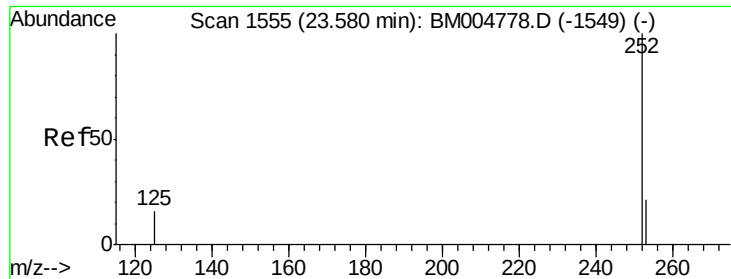
Ion Ratio Lower Upper

252 100

253 26.1 19.8 29.8

125 24.6 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.48 min Scan# 1546

Delta R.T. -0.10 min

Lab File: BM004784.D

Acq: 25 Mar 2016 19:06

Instrument :

BNA_M

ClientSampleId :

A4T44

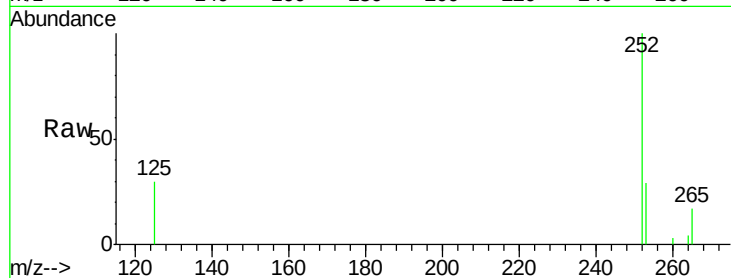
Tgt Ion: 252 Resp: 4277

Ion Ratio Lower Upper

252 100

253 28.6 19.4 29.2

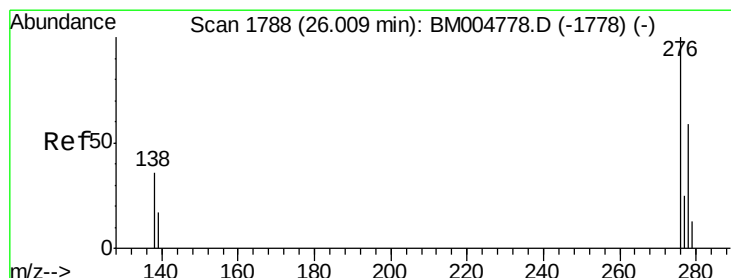
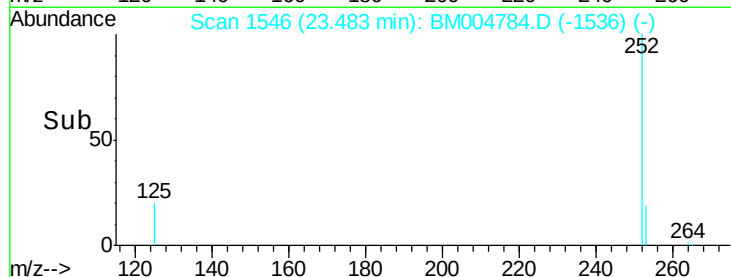
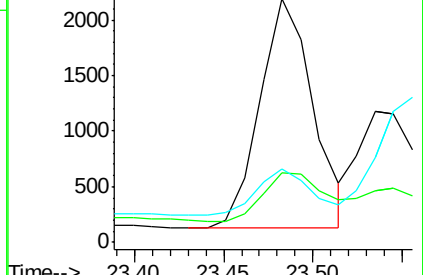
125 30.1 12.7 19.1#



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: 25.76 min Scan# 1764

Delta R.T. -0.25 min

Lab File: BM004784.D

Acq: 25 Mar 2016 19:06

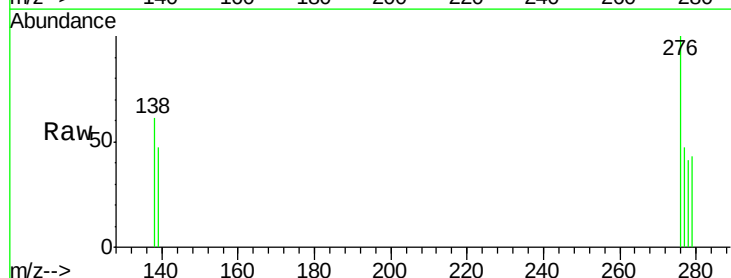
Tgt Ion: 276 Resp: 423

Ion Ratio Lower Upper

276 100

138 26.5 16.3 24.5#

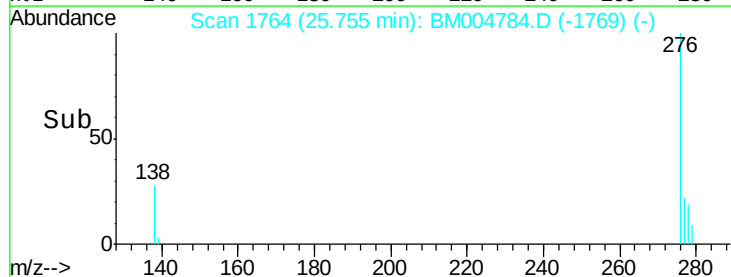
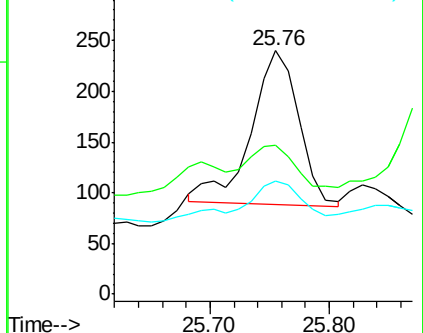
277 20.1 19.8 29.8

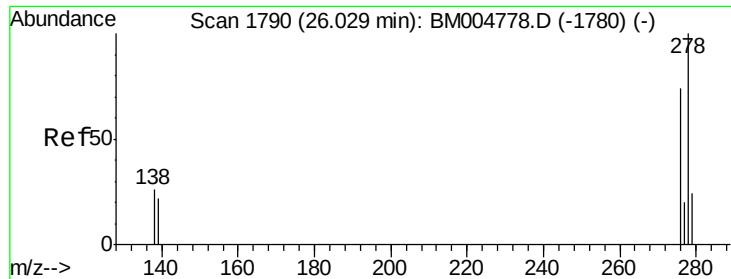


Abundance Ion 276.00 (275.70 to 276.70): E

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. -0.12 min

Lab File: BM004784.D

Acq: 25 Mar 2016 19:06

Instrument :

BNA_M

ClientSampleId :

A4T44

Tgt Ion: 278 Resp: 210

Ion Ratio Lower Upper

278 100

139 193.0 16.4 24.6#

279 85.2 20.2 30.2#

