

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004761.D
 Acq On : 24 Mar 2016 22:01
 Operator : UM/SJ
 Sample : H1909-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T43

Quant Time: Mar 25 03:22:04 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	1508	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	6116	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	3219	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	395080	5.00	ng/ul	0.09
18) Chrysene-d12	21.40	240	6044	5.00	ng/ul	-0.01
22) Perylene-d12	23.55	264	361903	5.00	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	7689	10.52	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	2250	0.32	ng/ul	-0.01
16) Fluoranthene-d10	19.24	212	4753	0.01	ng/ul	0.00

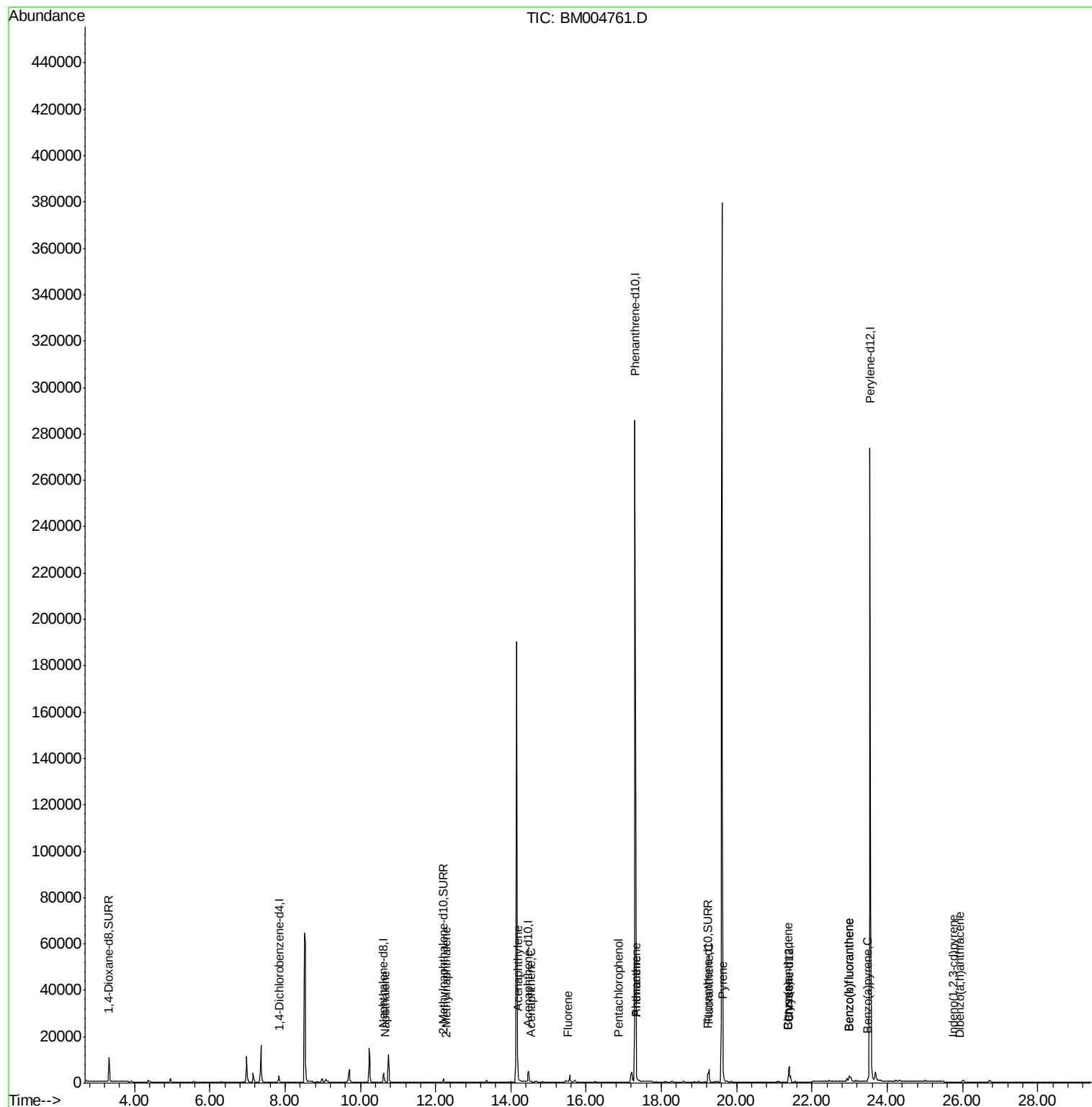
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	448	0.03	ng/ul#	61
7) 2-Methylnaphthalene	12.28	142	87	0.01	ng/ul	98
9) Acenaphthylene	14.18	152	532	0.04	ng/ul#	75
10) Acenaphthene	14.52	153	62	0.01	ng/ul#	79
11) Fluorene	15.51	166	203	0.02	ng/ul#	77
13) Pentachlorophenol	16.87	266	27	0.00	ng/ul#	62
14) Phenanthrene	17.33	178	842	0.00	ng/ul#	73
15) Anthracene	17.33	178	890	0.00	ng/ul#	72
17) Fluoranthene	19.27	202	5319	0.00	ng/ul	95
19) Pyrene	19.63	202	5763	0.27	ng/ul#	96
20) Benzo(a)anthracene	21.38	228	2582	0.18	ng/ul#	89
21) Chrysene	21.38	228	2573	0.13	ng/ul	92
23) Benzo(b)fluoranthene	22.99	252	3399	0.00	ng/ul#	75
24) Benzo(k)fluoranthene	22.99	252	4929	0.00	ng/ul#	78
25) Benzo(a)pyrene	23.48	252	1891	0.00	ng/ul#	72
26) Indeno(1,2,3-cd)pyrene	25.76	276	227	0.00	ng/ul	96
27) Dibenzo(a,h)anthracene	25.92	278	79	0.00	ng/ul#	1

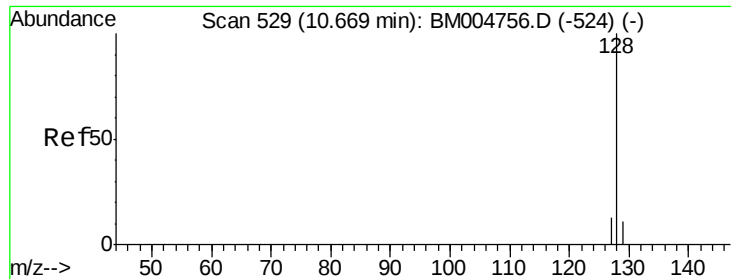
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004761.D

Acq: 24 Mar 2016 22:01

Instrument :

BNA_M

ClientSampleId :

A4T43

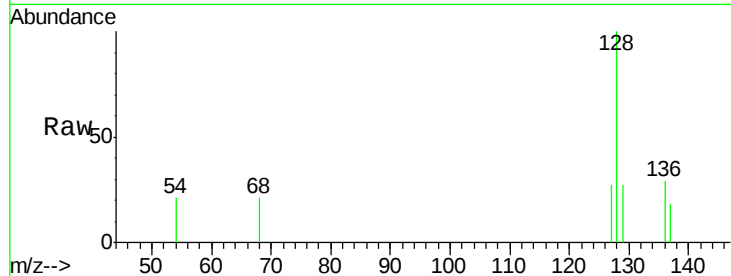
Tgt Ion:128 Resp: 448

Ion Ratio Lower Upper

128 100

129 26.9 9.0 13.6#

127 26.6 9.6 14.4#



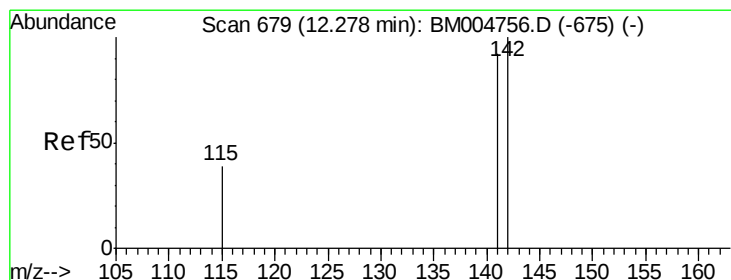
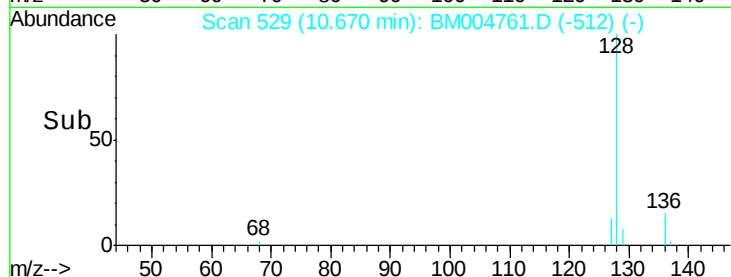
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.67

Time-->



#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004761.D

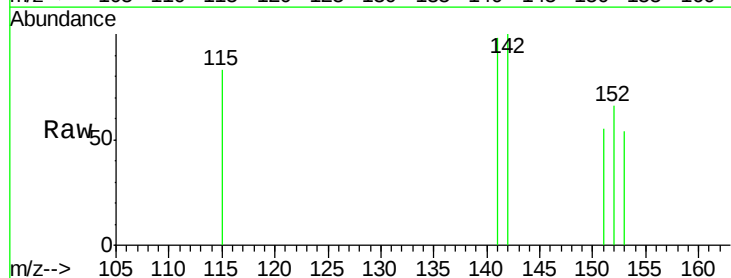
Acq: 24 Mar 2016 22:01

Tgt Ion:142 Resp: 87

Ion Ratio Lower Upper

142 100

141 89.7 70.3 105.5

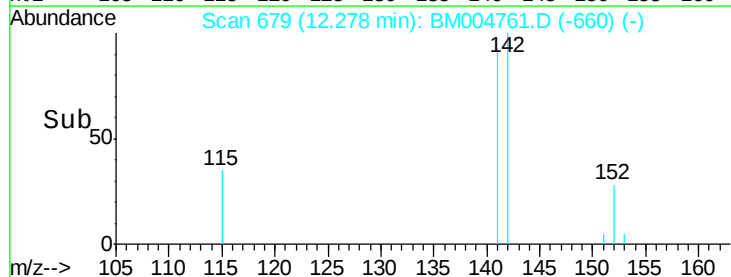


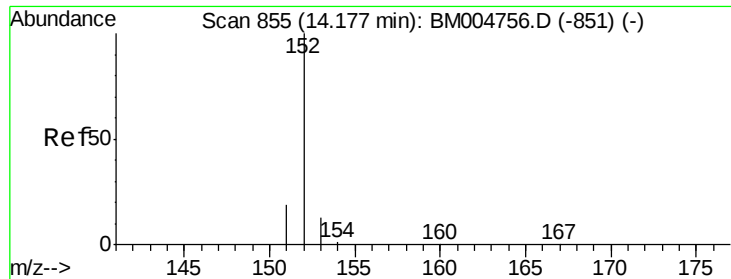
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.28

Time-->





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004761.D

Acq: 24 Mar 2016 22:01

Instrument :

BNA_M

ClientSampleId :

A4T43

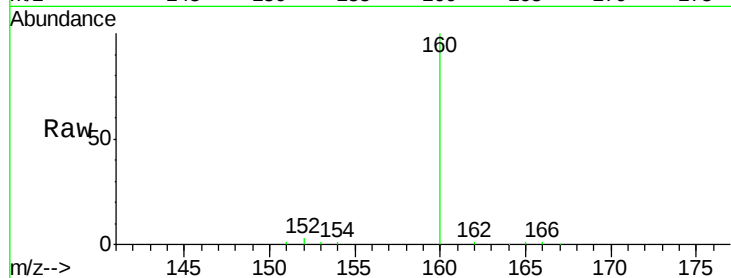
Tgt Ion:152 Resp: 532

Ion Ratio Lower Upper

152 100

151 31.0 17.6 26.4#

153 26.1 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

400

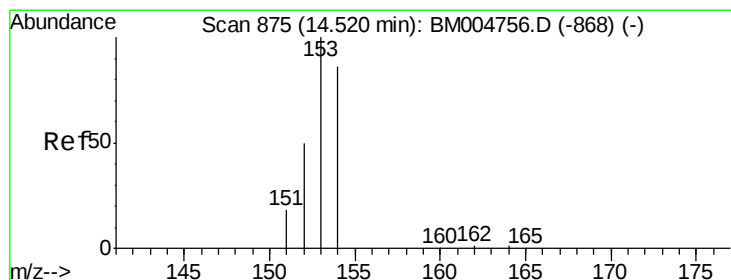
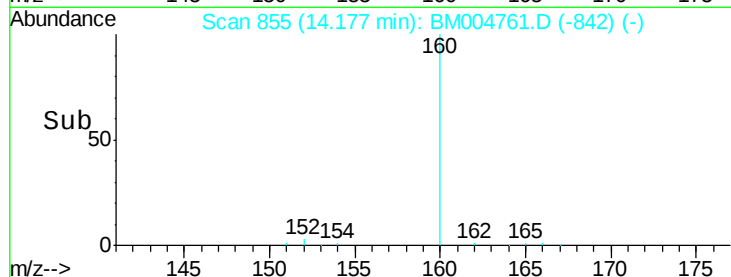
300

200

100

0

Time-->



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004761.D

Acq: 24 Mar 2016 22:01

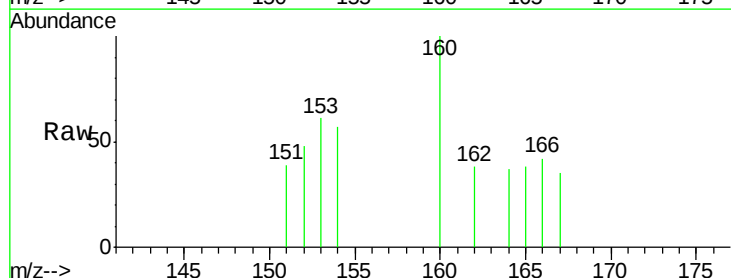
Tgt Ion:153 Resp: 62

Ion Ratio Lower Upper

153 100

152 78.4 33.9 50.9#

154 94.3 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

14.52

120

100

80

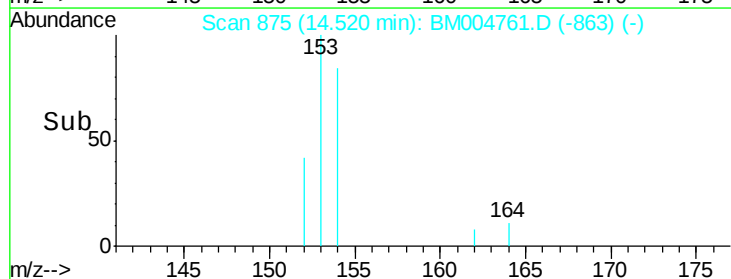
60

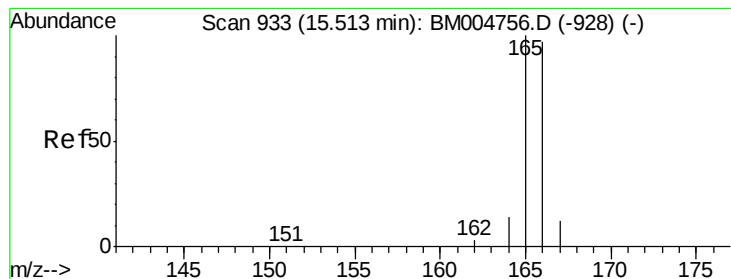
40

20

0

Time-->





#11

Fluorene

Concen: 0.02 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004761.D

Acq: 24 Mar 2016 22:01

Instrument :

BNA_M

ClientSampleId :

A4T43

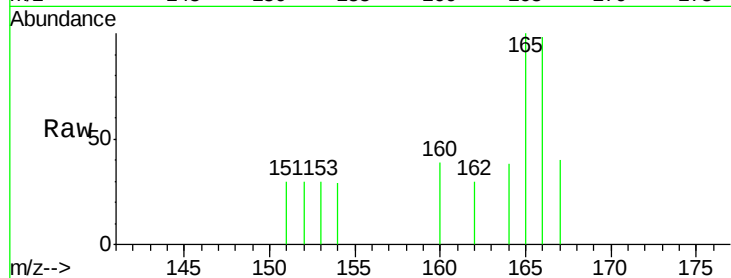
Tgt Ion:166 Resp: 203

Ion Ratio Lower Upper

166 100

165 101.7 69.6 104.4

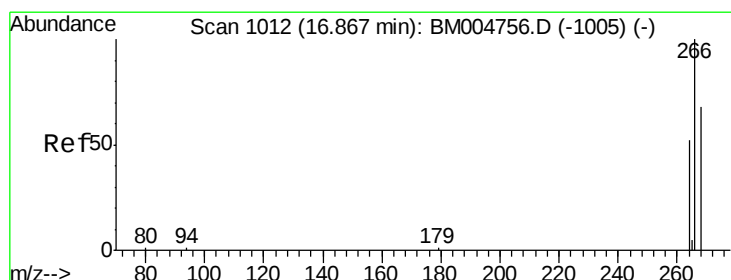
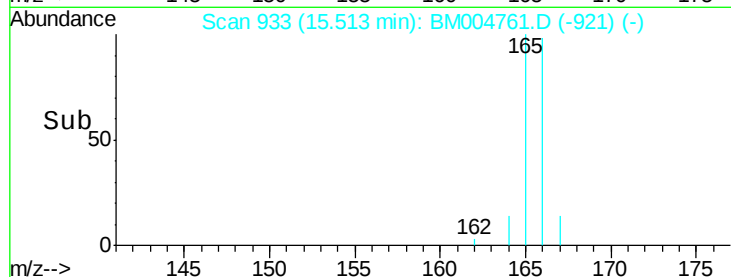
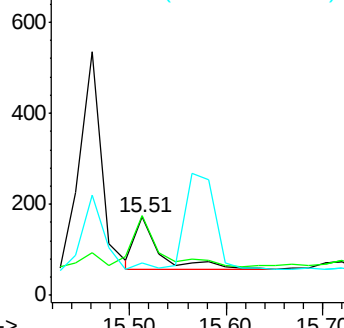
167 40.7 11.9 17.9#



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: BM004761.D

Acq: 24 Mar 2016 22:01

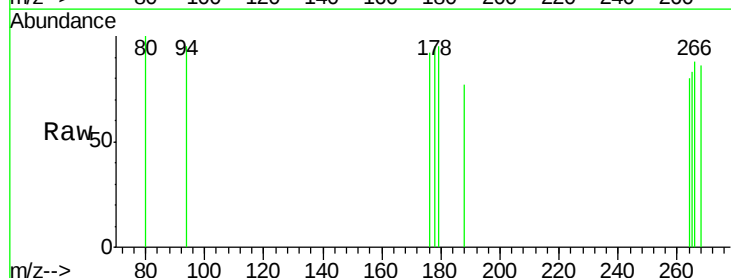
Tgt Ion:266 Resp: 27

Ion Ratio Lower Upper

266 100

264 33.3 51.8 77.8#

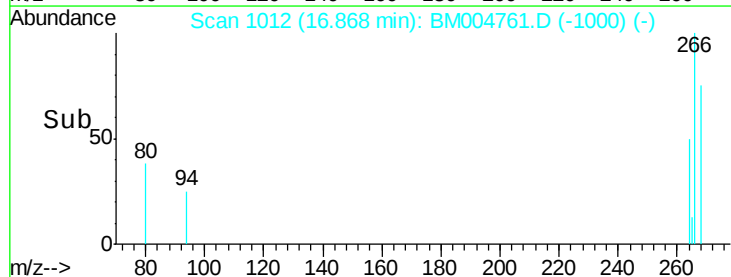
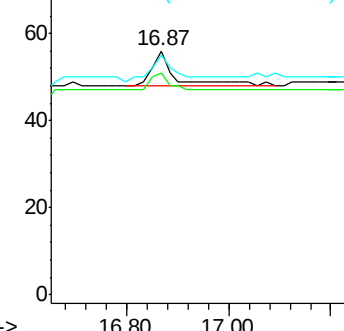
268 85.2 46.8 70.2#

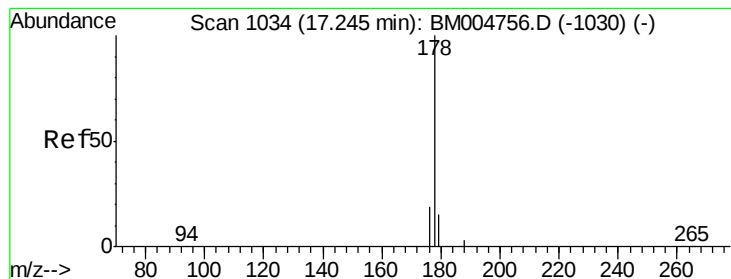


Abundance Ion 266.00 (265.70 to 266.70): E

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: BM004761.D

Acq: 24 Mar 2016 22:01

Instrument :

BNA_M

ClientSampleId :

A4T43

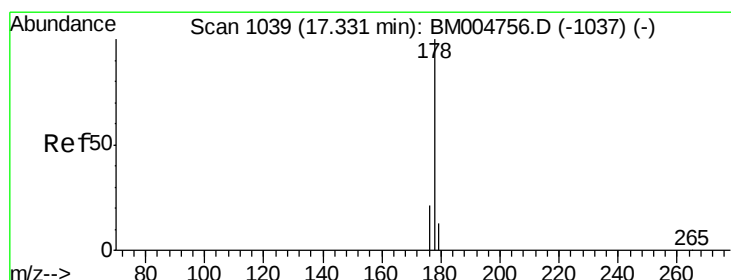
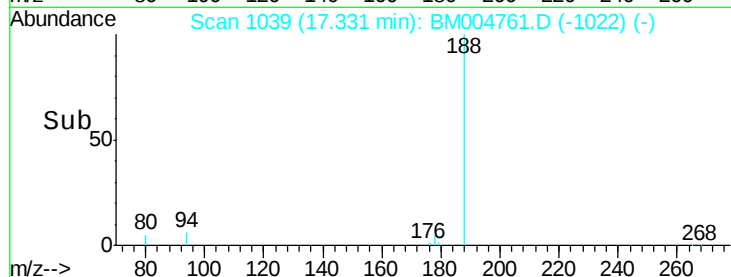
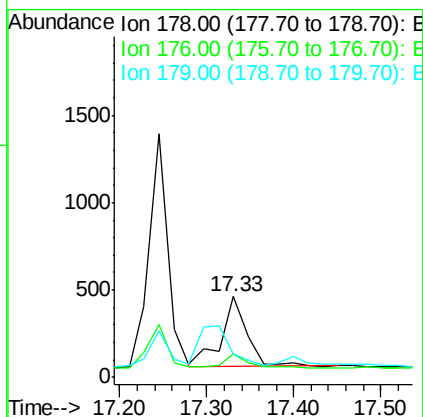
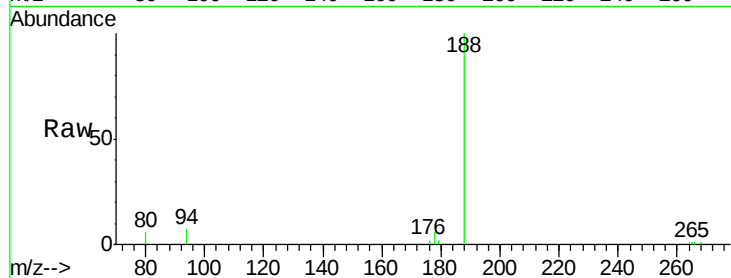
Tgt Ion:178 Resp: 842

Ion Ratio Lower Upper

178 100

176 29.0 13.0 19.4#

179 28.6 14.2 21.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM004761.D

Acq: 24 Mar 2016 22:01

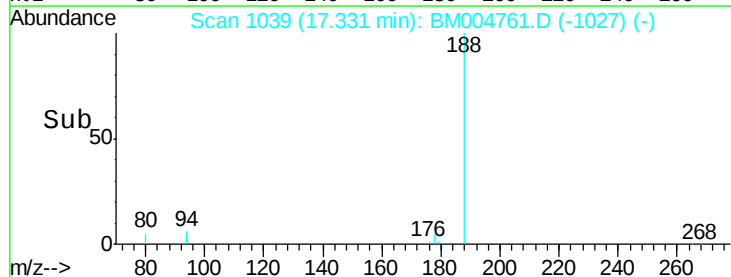
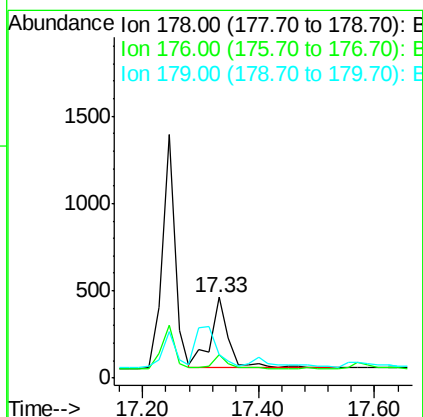
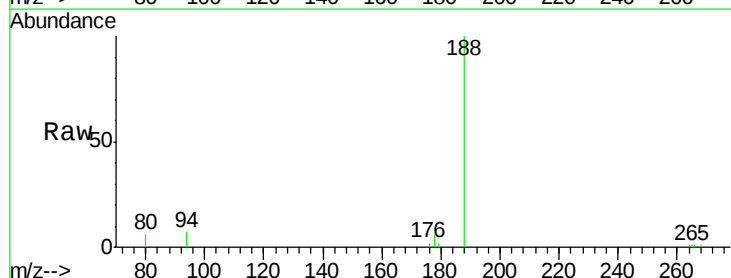
Tgt Ion:178 Resp: 890

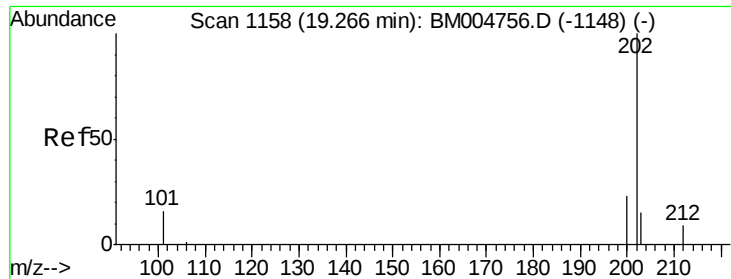
Ion Ratio Lower Upper

178 100

176 29.0 14.0 21.0#

179 28.6 12.9 19.3#

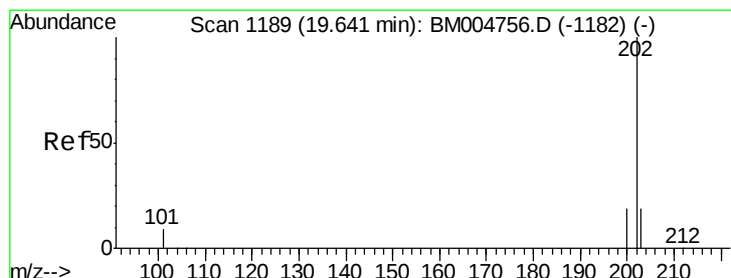
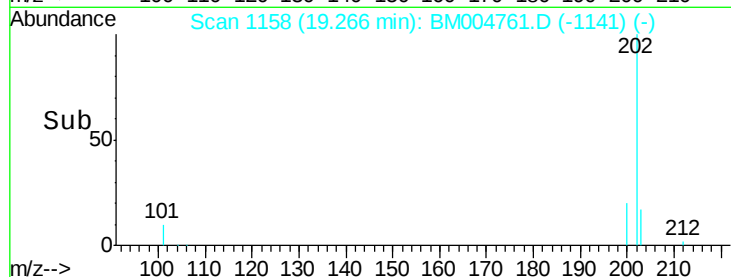
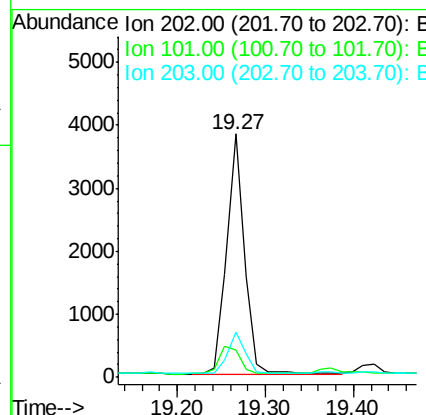
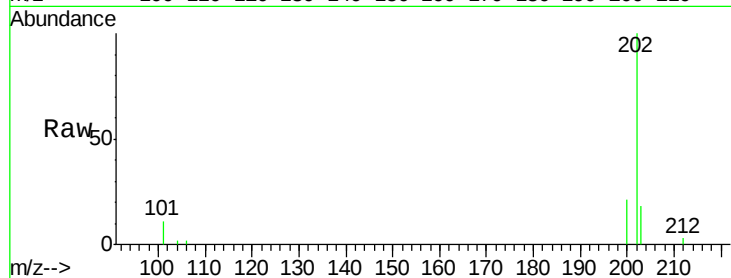




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.27 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BM004761.D
Acq: 24 Mar 2016 22:01

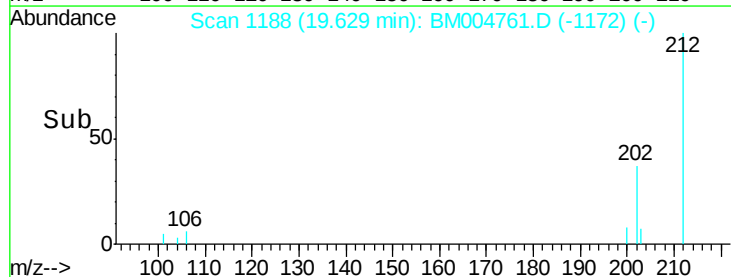
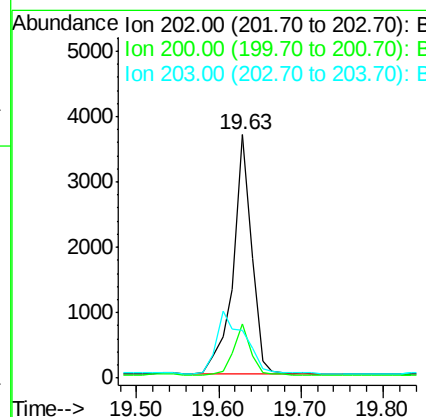
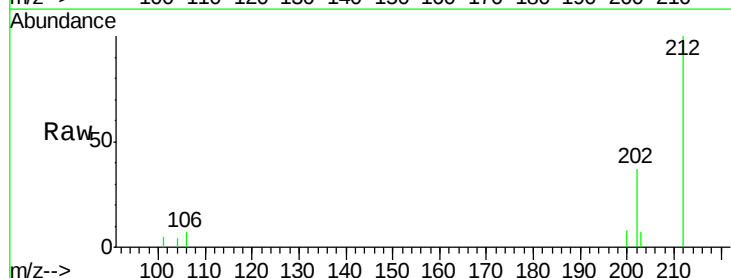
Instrument :
BNA_M
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A4T43

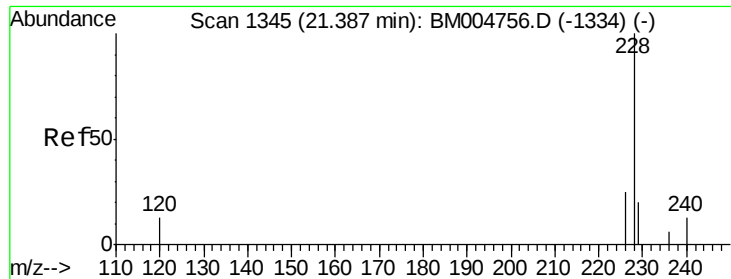
Tgt Ion:202 Resp: 5319
Ion Ratio Lower Upper
202 100
101 11.4 0.0 29.6
203 18.3 0.0 36.3



#19
Pyrene
Concen: 0.27 ng/ul
RT: 19.63 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BM004761.D
Acq: 24 Mar 2016 22:01

Tgt Ion:202 Resp: 5763
Ion Ratio Lower Upper
202 100
200 22.2 17.8 26.8
203 19.5 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.18 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BM004761.D

Acq: 24 Mar 2016 22:01

Instrument :

BNA_M

ClientSampleId :

A4T43

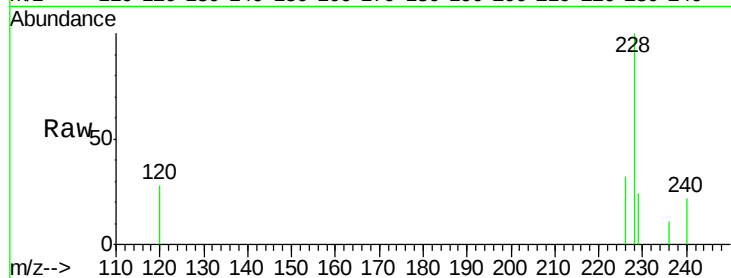
Tgt Ion:228 Resp: 2582

Ion Ratio Lower Upper

228 100

226 31.7 18.8 28.2#

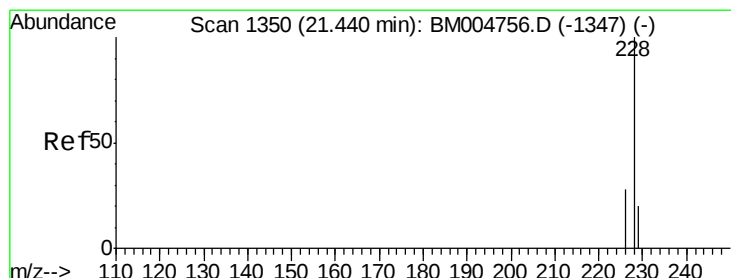
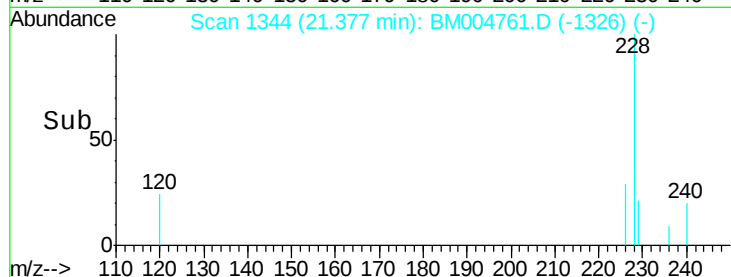
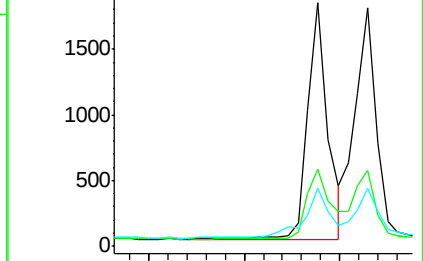
229 23.9 17.1 25.7



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: 0.13 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.06 min

Lab File: BM004761.D

Acq: 24 Mar 2016 22:01

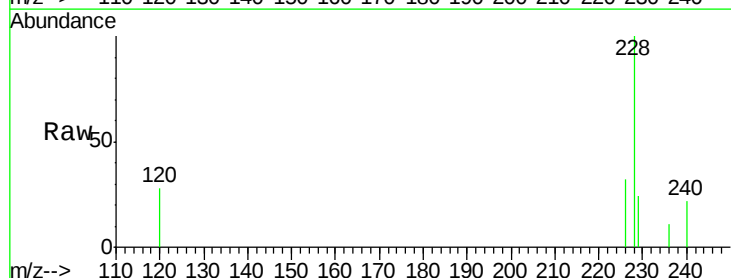
Tgt Ion:228 Resp: 2573

Ion Ratio Lower Upper

228 100

226 31.7 21.2 31.8

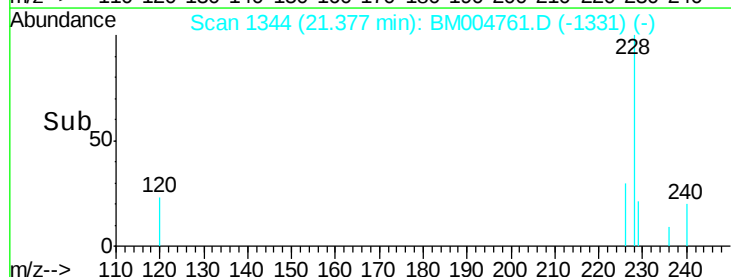
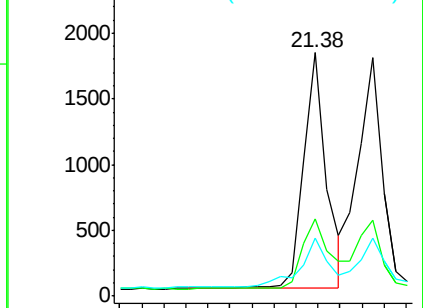
229 23.9 17.0 25.6

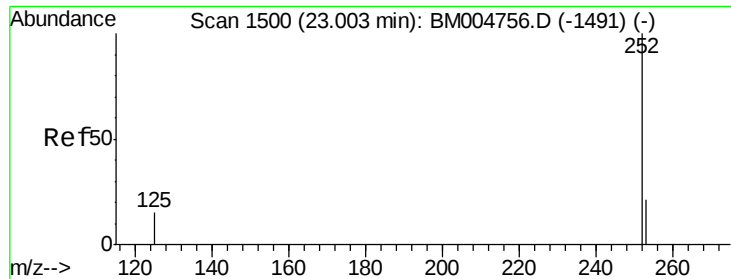


Abundance Ion 228.00 (227.70 to 228.70): E

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/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM004761.D

Acq: 24 Mar 2016 22:01

Instrument :

BNA_M

ClientSampleId :

A4T43

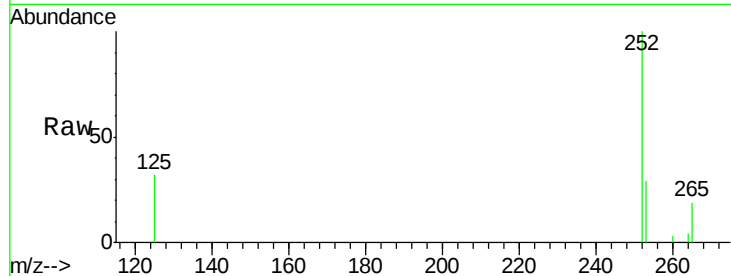
Tgt Ion:252 Resp: 3399

Ion Ratio Lower Upper

252 100

253 29.1 0.0 45.4

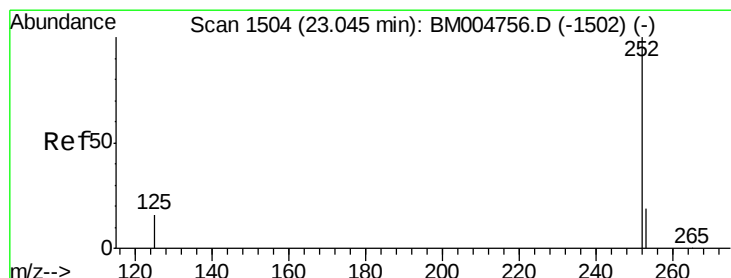
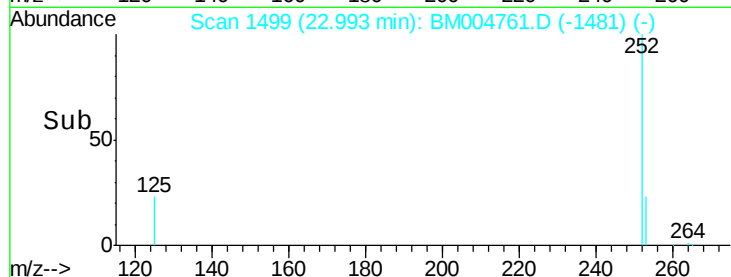
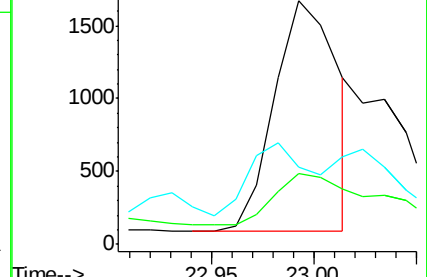
125 31.9 0.0 28.8#



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/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.05 min

Lab File: BM004761.D

Acq: 24 Mar 2016 22:01

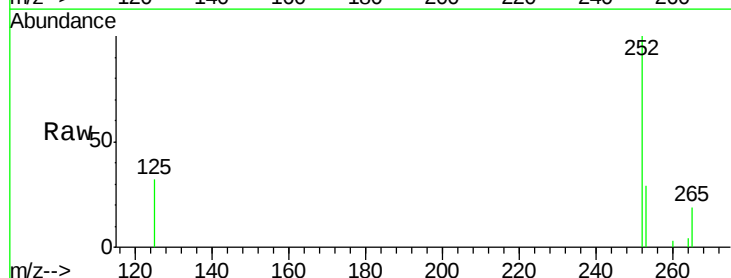
Tgt Ion:252 Resp: 4929

Ion Ratio Lower Upper

252 100

253 29.1 19.8 29.8

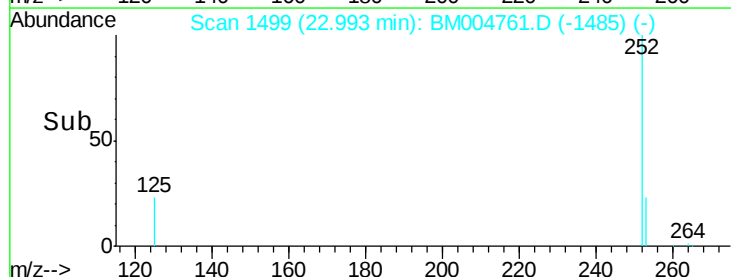
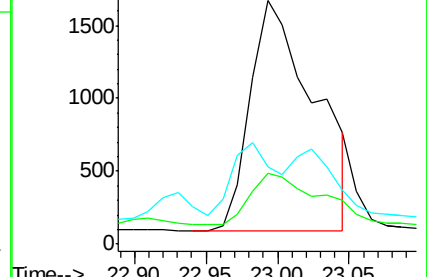
125 31.9 10.4 15.6#

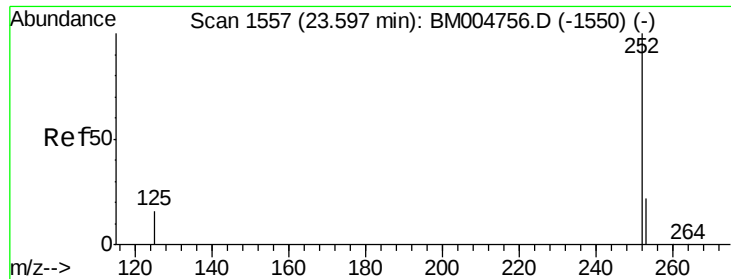


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.48 min Scan# 1546

Delta R.T. -0.11 min

Lab File: BM004761.D

Acq: 24 Mar 2016 22:01

Instrument :

BNA_M

ClientSampleId :

A4T43

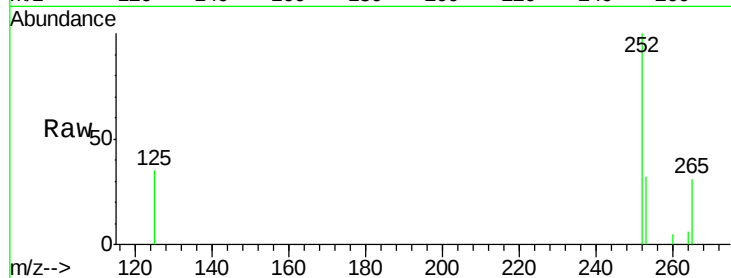
Tgt Ion:252 Resp: 1891

Ion Ratio Lower Upper

252 100

253 32.4 19.4 29.2#

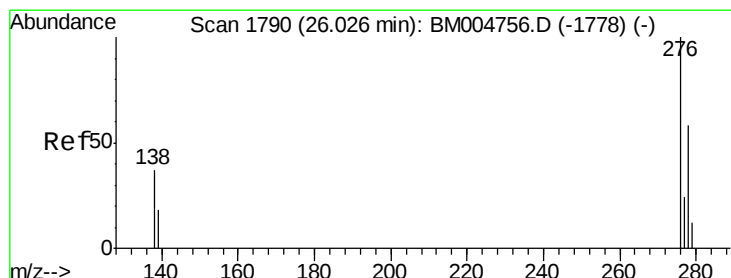
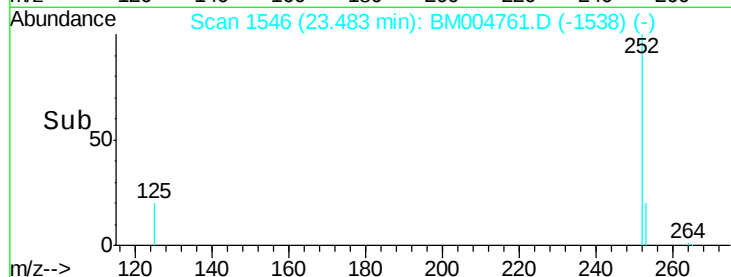
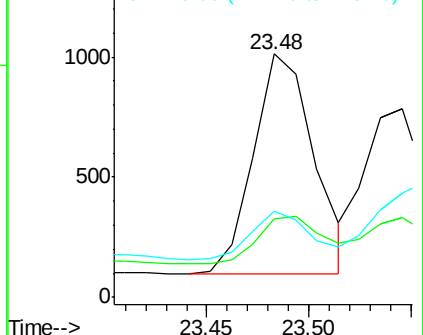
125 35.4 12.7 19.1#



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. -0.27 min

Lab File: BM004761.D

Acq: 24 Mar 2016 22:01

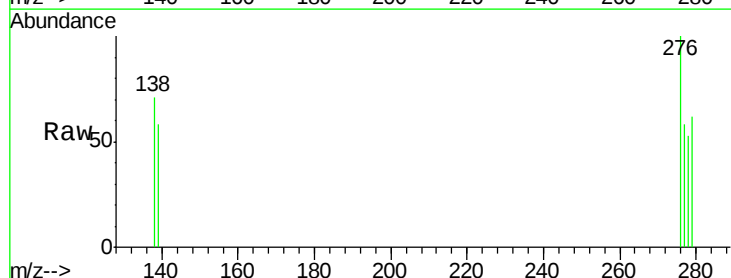
Tgt Ion:276 Resp: 227

Ion Ratio Lower Upper

276 100

138 16.7 16.3 24.5

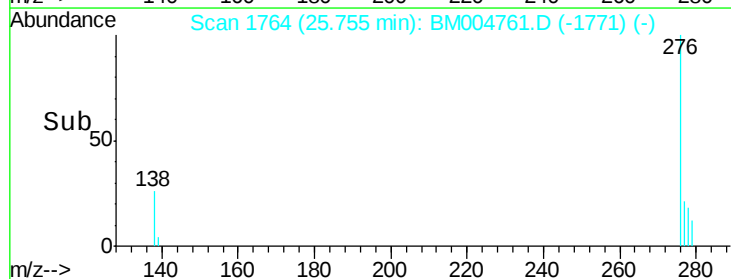
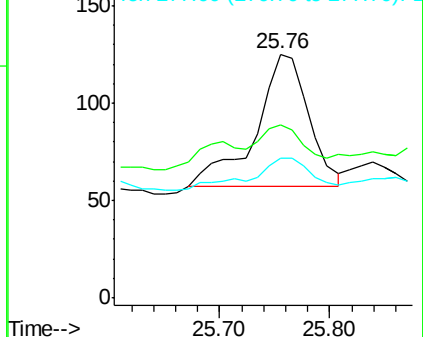
277 25.6 19.8 29.8

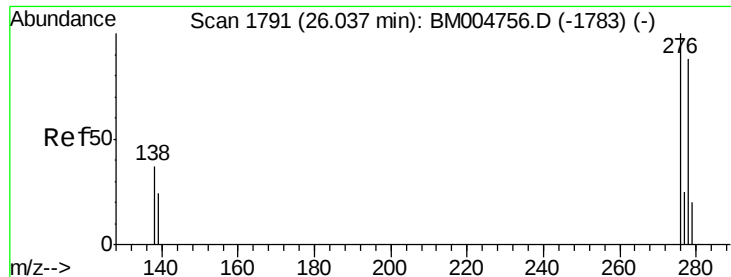


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.92 min Scan# 1780

Delta R.T. -0.11 min

Lab File: BM004761.D

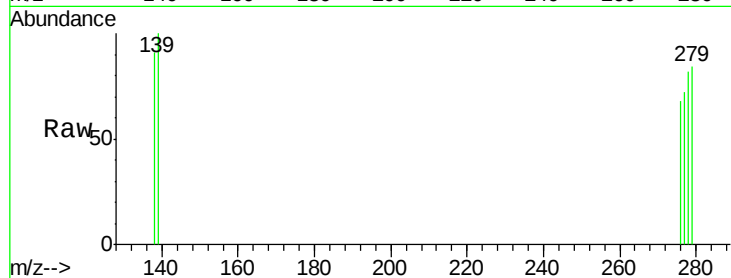
Acq: 24 Mar 2016 22:01

Instrument :

BNA_M

ClientSampleId :

A4T43



Tgt Ion: 278 Resp: 79

Ion Ratio Lower Upper

278 100

139 122.4 16.4 24.6#

279 102.6 20.2 30.2#

