

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004760.D
 Acq On : 24 Mar 2016 21:25
 Operator : UM/SJ
 Sample : H1909-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T42

Quant Time: Mar 25 03:21:55 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	1443	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5814	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2964	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	258167	5.00	ng/ul	0.09
18) Chrysene-d12	21.40	240	5660	5.00	ng/ul	-0.01
22) Perylene-d12	23.55	264	242592	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	5092	7.28	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	1493	0.23	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	3030	0.01	ng/ul	0.00

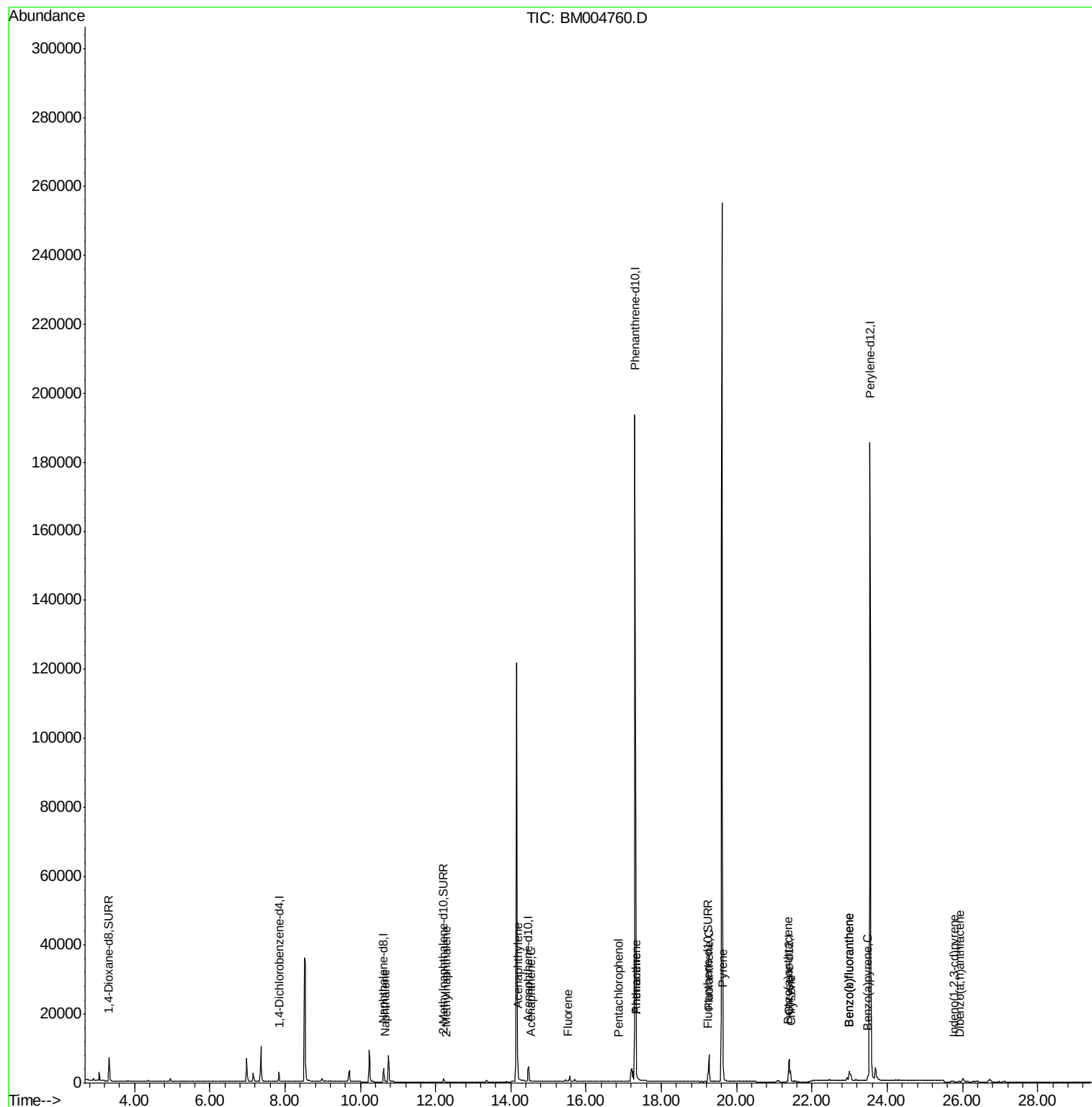
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	269	0.02	ng/ul#	40
7) 2-Methylnaphthalene	12.29	142	71	0.01	ng/ul	96
9) Acenaphthylene	14.18	152	534	0.05	ng/ul#	76
10) Acenaphthene	14.52	153	75	0.01	ng/ul#	78
11) Fluorene	15.51	166	179	0.02	ng/ul#	79
13) Pentachlorophenol	16.87	266	10	0.00	ng/ul#	1
14) Phenanthrene	17.33	178	739	0.00	ng/ul#	74
15) Anthracene	17.33	178	759	0.00	ng/ul#	74
17) Fluoranthene	19.27	202	7158	0.01	ng/ul	96
19) Pyrene	19.63	202	7471	0.38	ng/ul	97
20) Benzo(a)anthracene	21.38	228	3054	0.23	ng/ul#	92
21) Chrysene	21.43	228	3363	0.18	ng/ul	93
23) Benzo(b)fluoranthene	22.99	252	3090	0.00	ng/ul	82
24) Benzo(k)fluoranthene	22.99	252	5571	0.01	ng/ul#	85
25) Benzo(a)pyrene	23.48	252	2045	0.00	ng/ul#	77
26) Indeno(1,2,3-cd)pyrene	25.77	276	260	0.00	ng/ul	96
27) Dibenzo(a,h)anthracene	25.92	278	78	0.00	ng/ul#	1

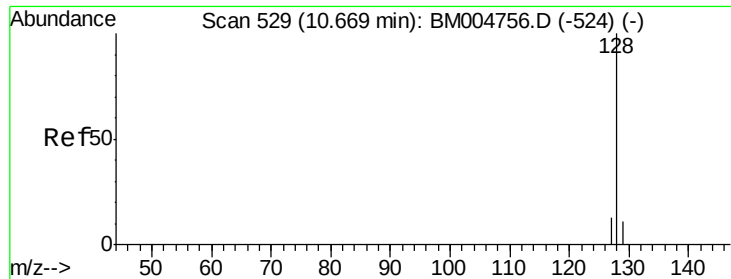
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 25 03:18:48 2016
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004760.D

Acq: 24 Mar 2016 21:25

Instrument :

BNA_M

ClientSampleId :

A4T42

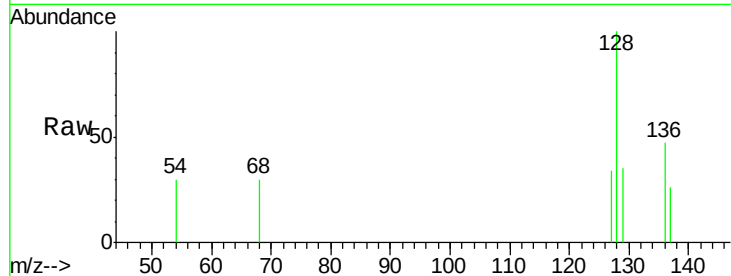
Tgt Ion:128 Resp: 269

Ion Ratio Lower Upper

128 100

129 35.1 9.0 13.6#

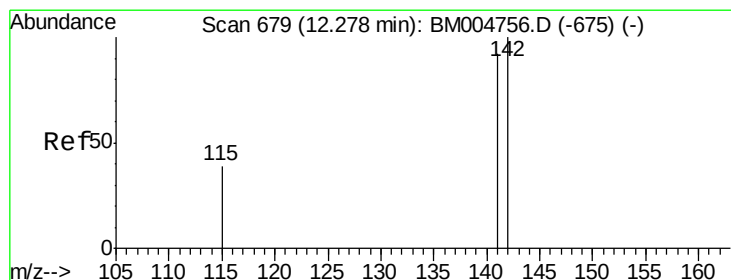
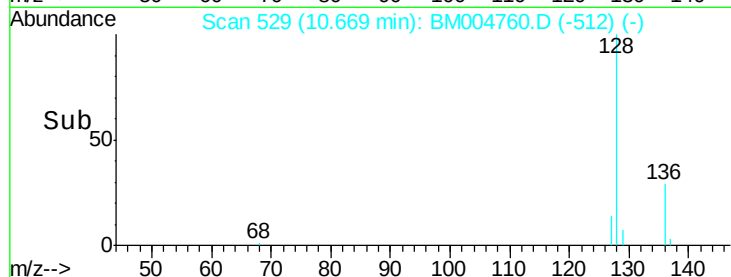
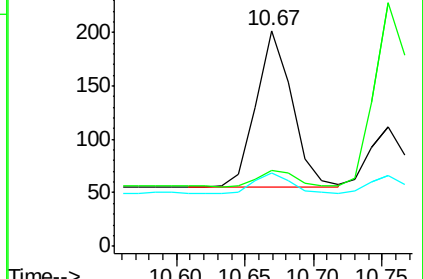
127 34.2 9.6 14.4#



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: 12.29 min Scan# 680

Delta R.T. 0.01 min

Lab File: BM004760.D

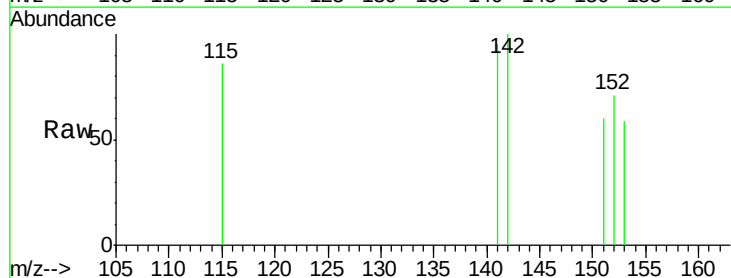
Acq: 24 Mar 2016 21:25

Tgt Ion:142 Resp: 71

Ion Ratio Lower Upper

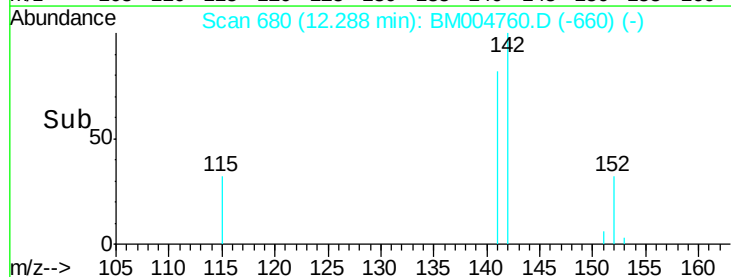
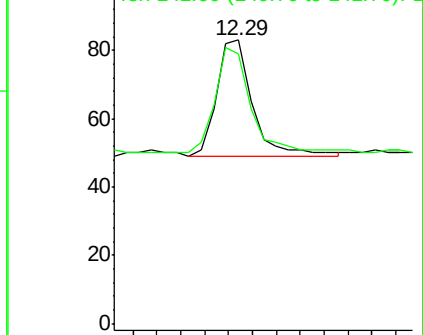
142 100

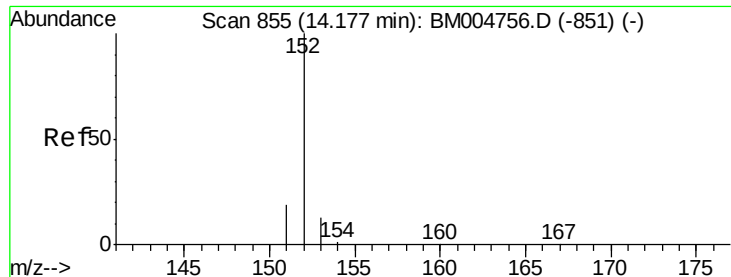
141 91.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004760.D

Acq: 24 Mar 2016 21:25

Instrument :

BNA_M

ClientSampleId :

A4T42

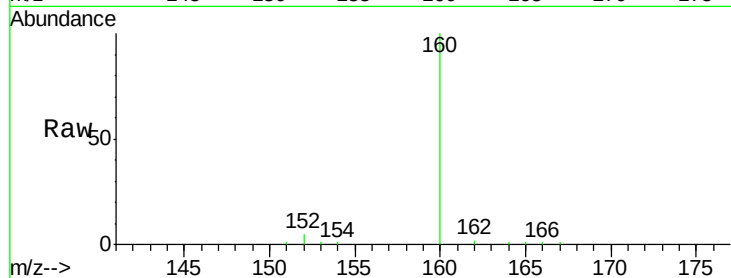
Tgt Ion:152 Resp: 534

Ion Ratio Lower Upper

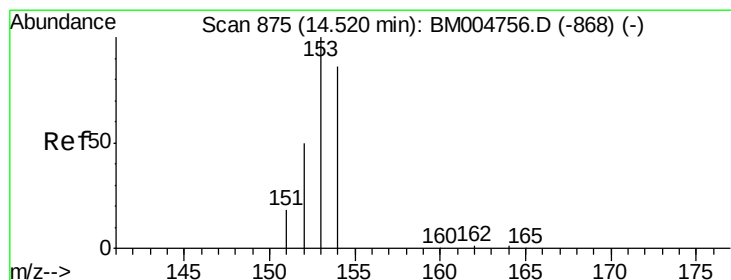
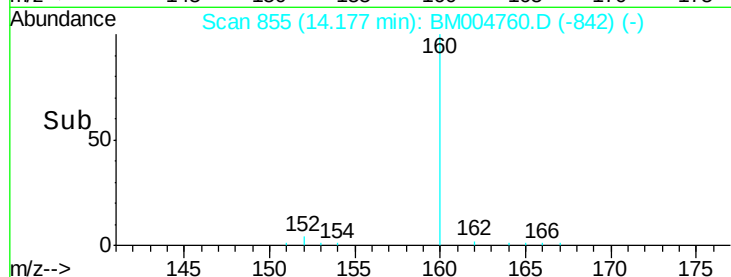
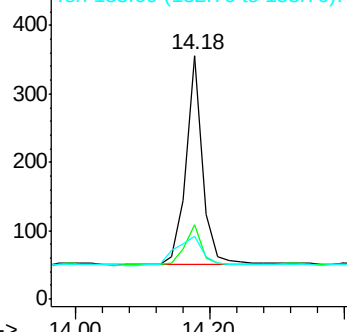
152 100

151 30.3 17.6 26.4#

153 25.8 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



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004760.D

Acq: 24 Mar 2016 21:25

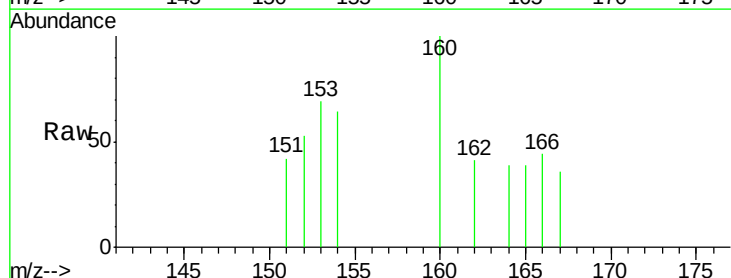
Tgt Ion:153 Resp: 75

Ion Ratio Lower Upper

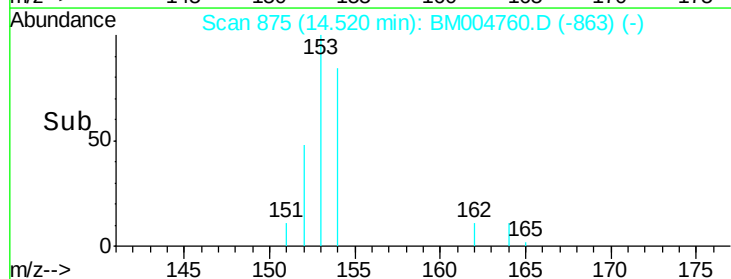
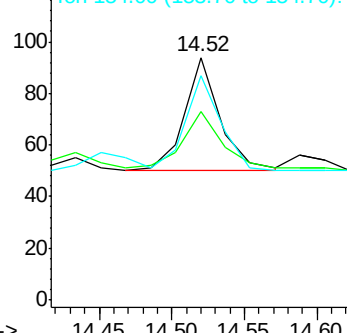
153 100

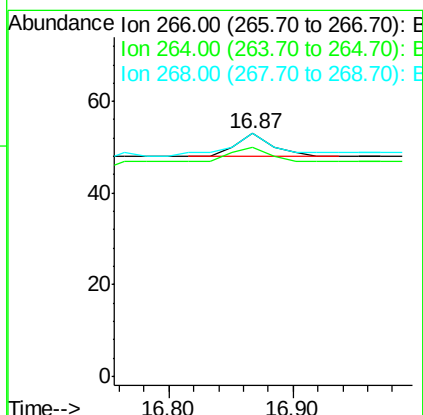
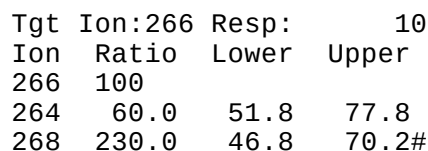
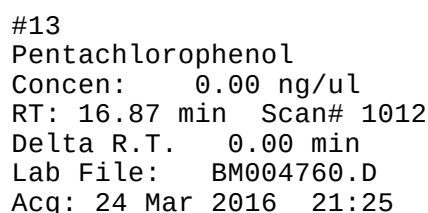
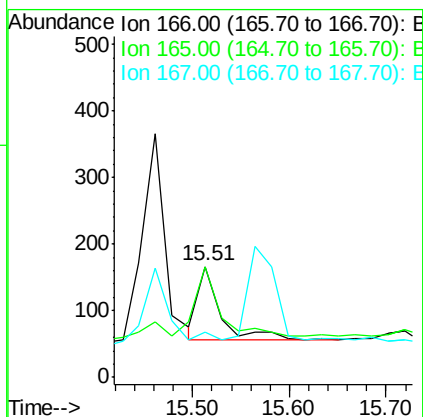
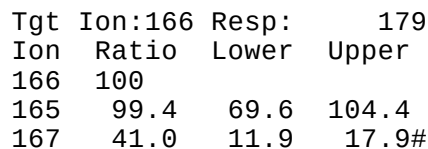
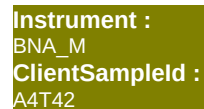
152 77.7 33.9 50.9#

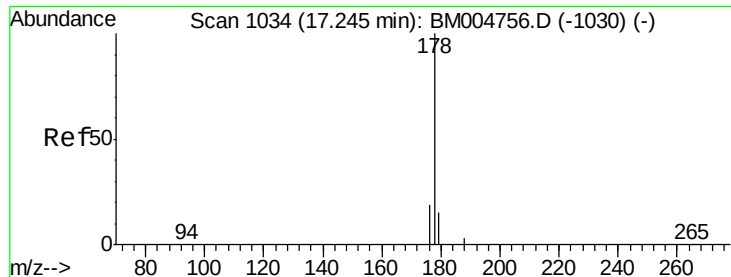
154 92.6 80.6 121.0



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

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.09 min

Lab File: BM004760.D

Acq: 24 Mar 2016 21:25

Instrument :

BNA_M

ClientSampled :

A4T42

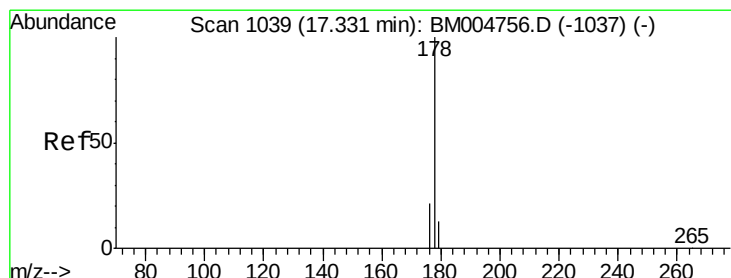
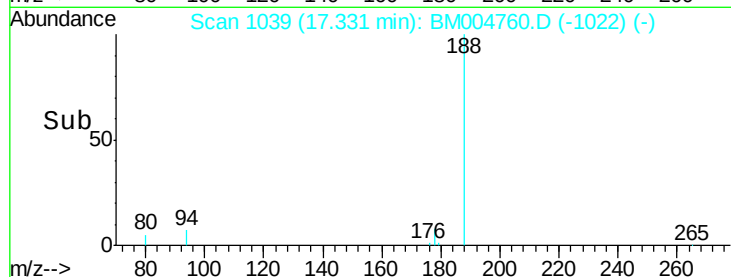
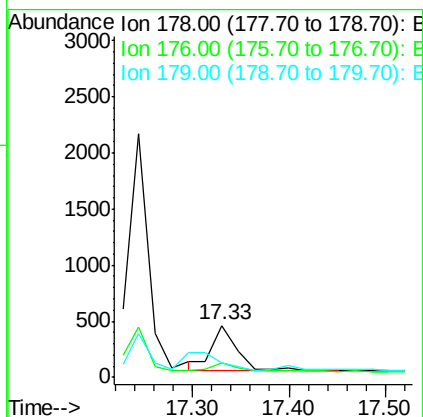
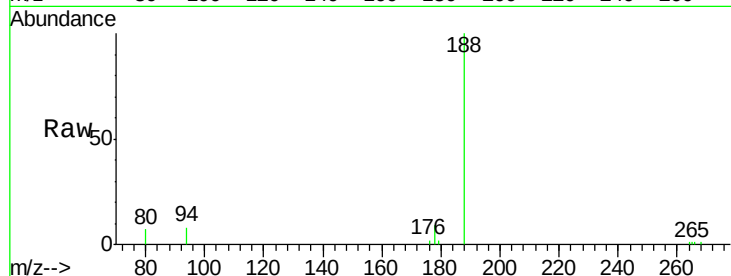
Tgt Ion:178 Resp: 739

Ion Ratio Lower Upper

178 100

176 28.8 13.0 19.4#

179 27.5 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: BM004760.D

Acq: 24 Mar 2016 21:25

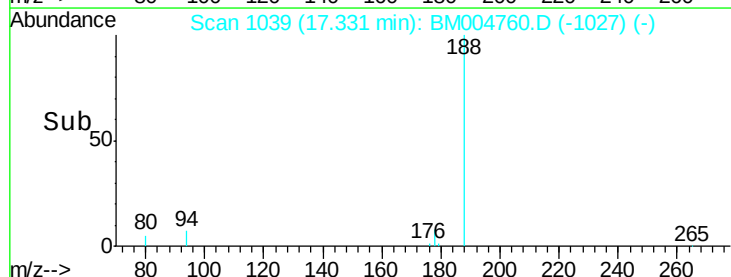
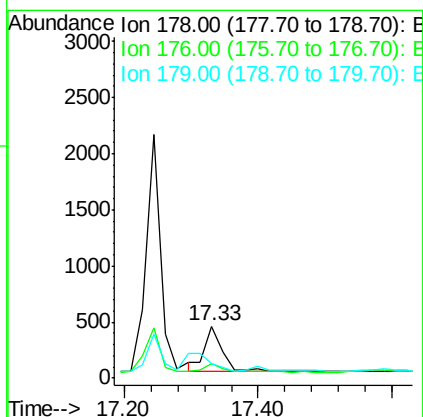
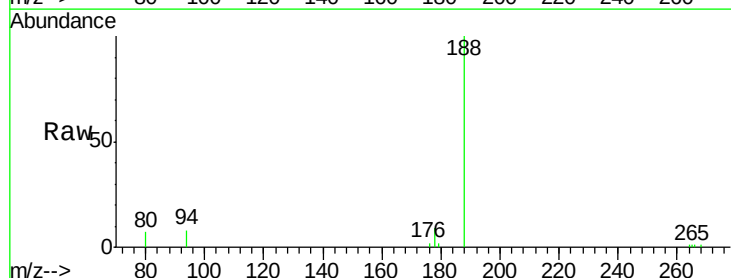
Tgt Ion:178 Resp: 759

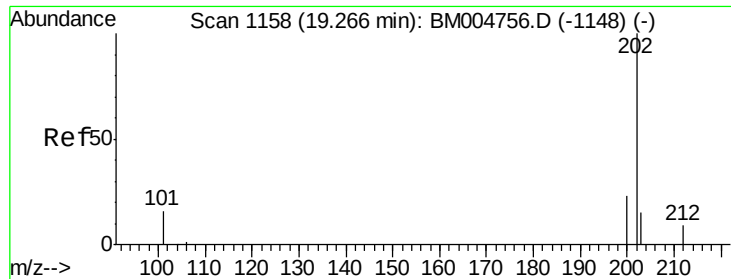
Ion Ratio Lower Upper

178 100

176 28.8 14.0 21.0#

179 27.5 12.9 19.3#

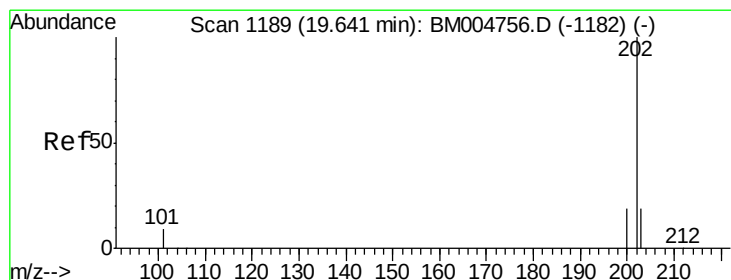
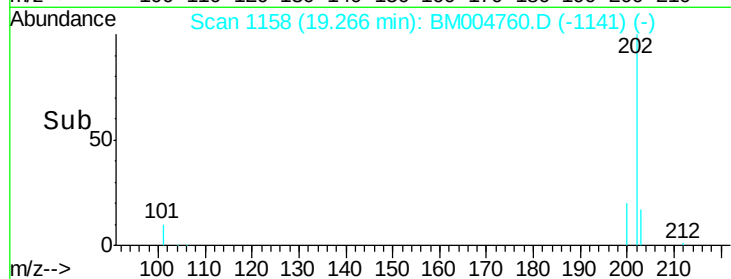
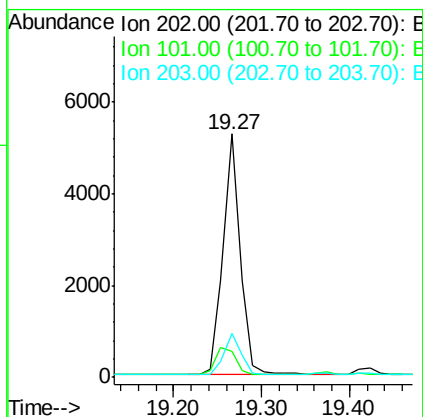
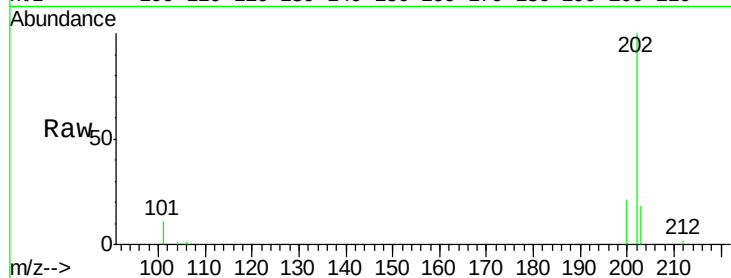




#17
 Fluoranthene
 Concen: 0.01 ng/ul
 RT: 19.27 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: BM004760.D
 Acq: 24 Mar 2016 21:25

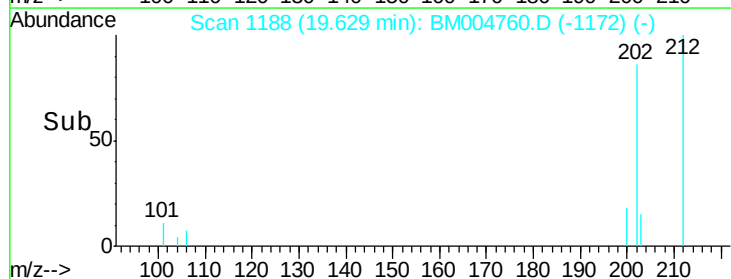
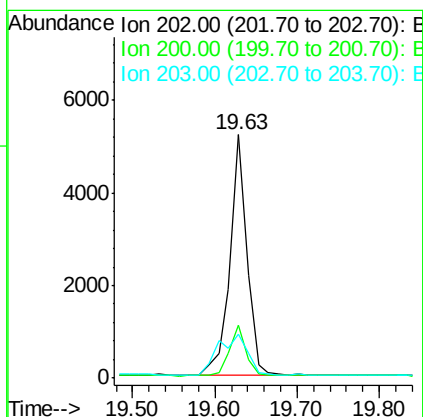
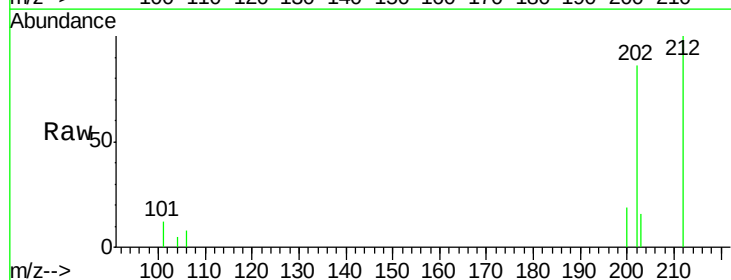
Instrument :
 BNA_M
 ClientSampleId :
 A4T42

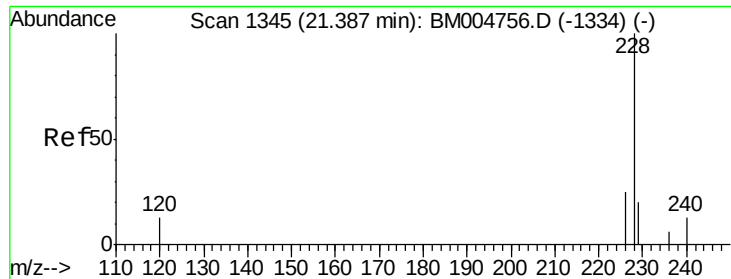
Tgt Ion: 202 Resp: 7158
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 29.6
 203 18.0 0.0 36.3



#19
 Pyrene
 Concen: 0.38 ng/ul
 RT: 19.63 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BM004760.D
 Acq: 24 Mar 2016 21:25

Tgt Ion: 202 Resp: 7471
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.8 26.8
 203 18.1 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.23 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BM004760.D

Acq: 24 Mar 2016 21:25

Instrument :

BNA_M

ClientSampleId :

A4T42

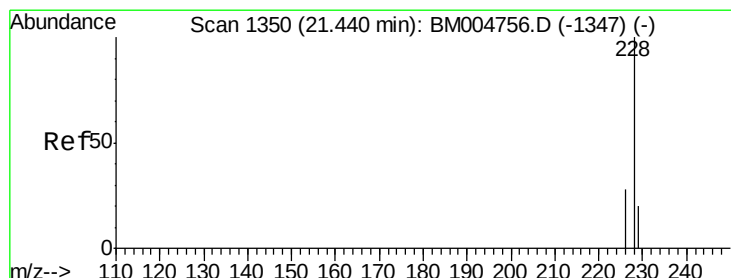
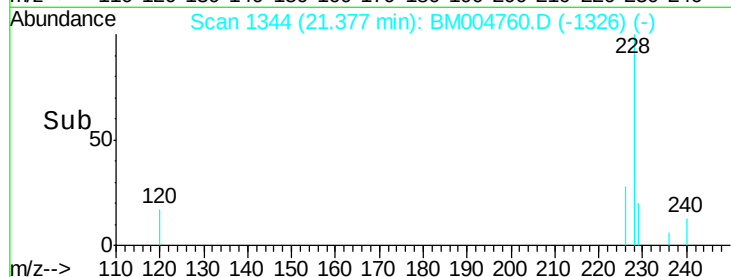
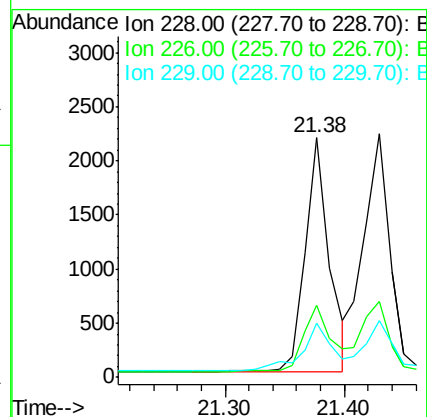
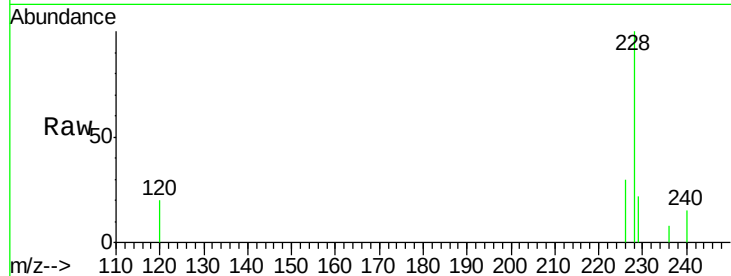
Tgt Ion:228 Resp: 3054

Ion Ratio Lower Upper

228 100

226 30.0 18.8 28.2#

229 22.4 17.1 25.7



#21

Chrysene

Concen: 0.18 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BM004760.D

Acq: 24 Mar 2016 21:25

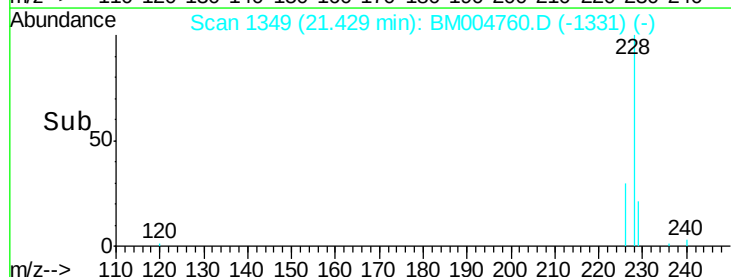
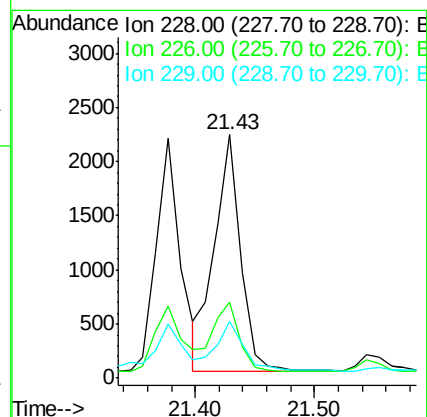
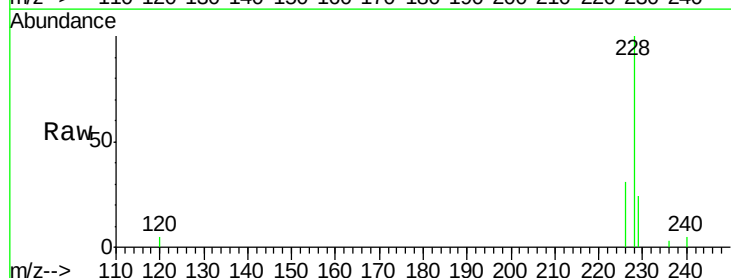
Tgt Ion:228 Resp: 3363

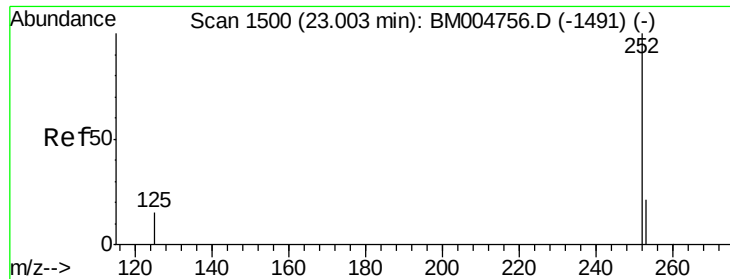
Ion Ratio Lower Upper

228 100

226 31.4 21.2 31.8

229 23.6 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM004760.D

Acq: 24 Mar 2016 21:25

Instrument :

BNA_M

ClientSampleId :

A4T42

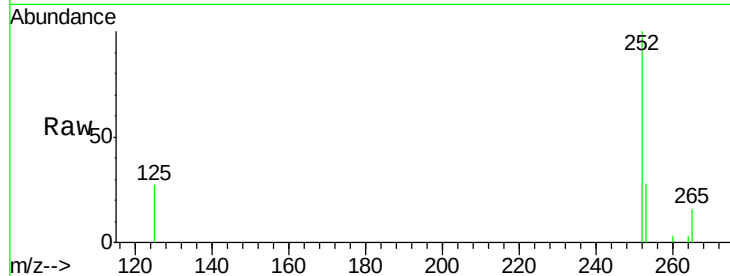
Tgt Ion:252 Resp: 3090

Ion Ratio Lower Upper

252 100

253 27.5 0.0 45.4

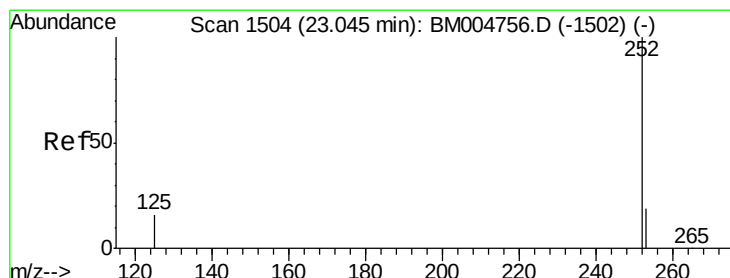
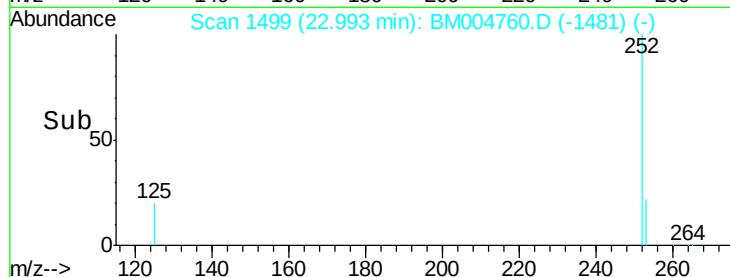
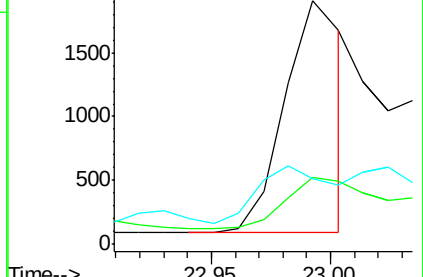
125 26.8 0.0 28.8



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: 22.99 min Scan# 1499

Delta R.T. -0.05 min

Lab File: BM004760.D

Acq: 24 Mar 2016 21:25

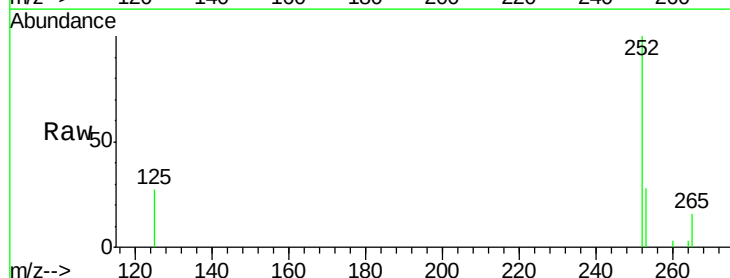
Tgt Ion:252 Resp: 5571

Ion Ratio Lower Upper

252 100

253 27.5 19.8 29.8

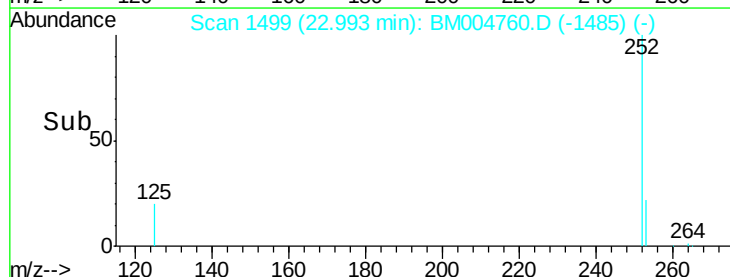
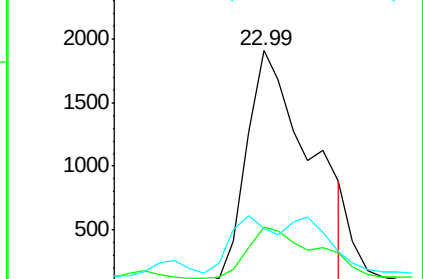
125 26.8 10.4 15.6#

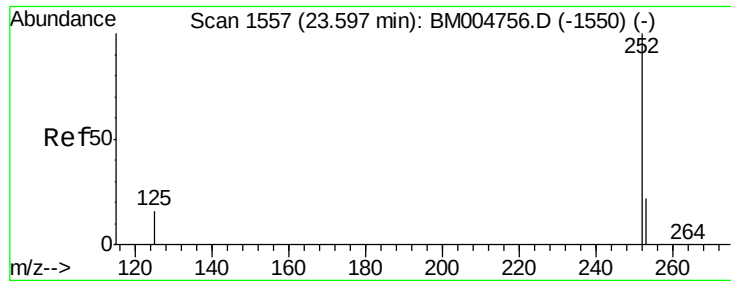


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM004760.D

Acq: 24 Mar 2016 21:25

Instrument :

BNA_M

ClientSampled :

A4T42

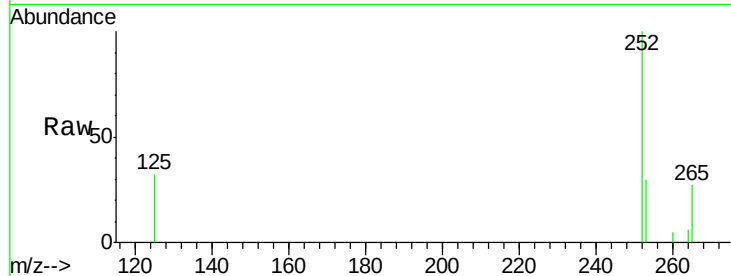
Tgt Ion:252 Resp: 2045

Ion Ratio Lower Upper

252 100

253 30.1 19.4 29.2#

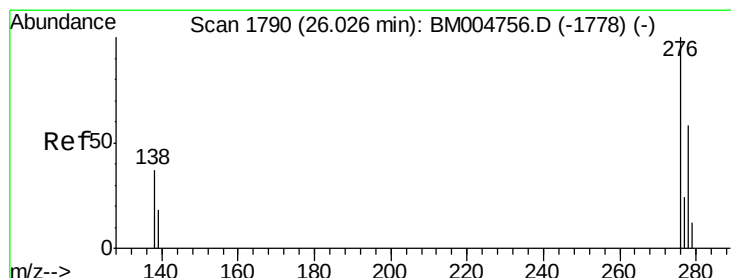
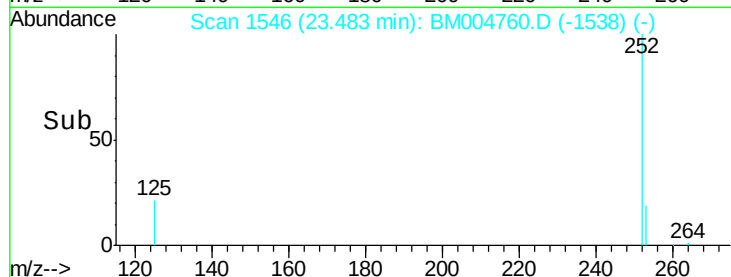
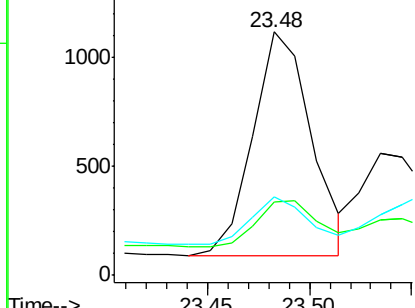
125 32.4 12.7 19.1#



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: 25.77 min Scan# 1765

Delta R.T. -0.26 min

Lab File: BM004760.D

Acq: 24 Mar 2016 21:25

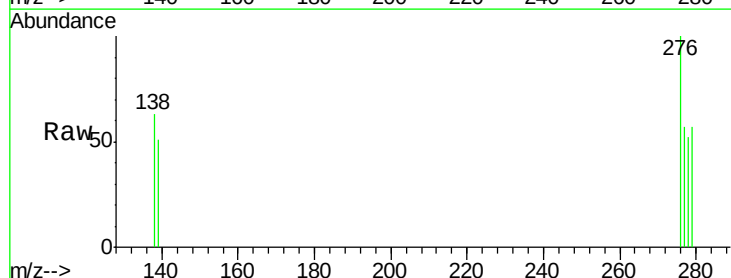
Tgt Ion:276 Resp: 260

Ion Ratio Lower Upper

276 100

138 16.5 16.3 24.5

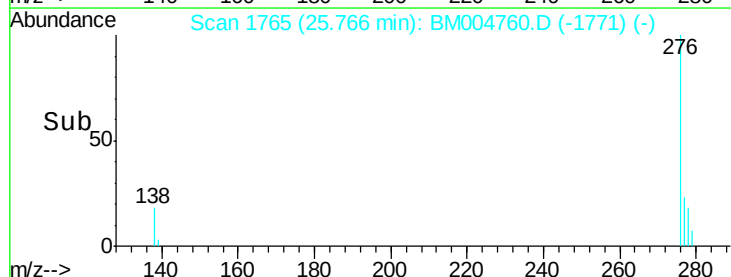
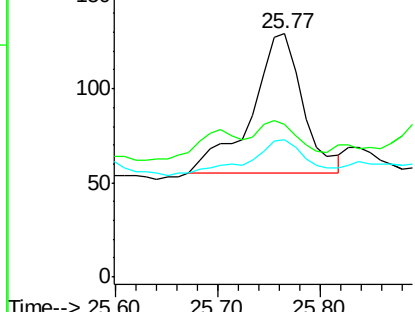
277 25.0 19.8 29.8

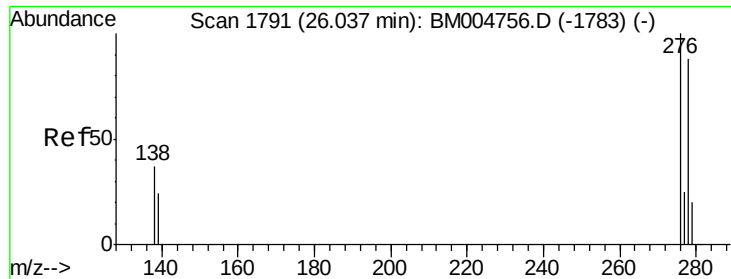


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.92 min Scan# 1780

Delta R.T. -0.11 min

Lab File: BM004760.D

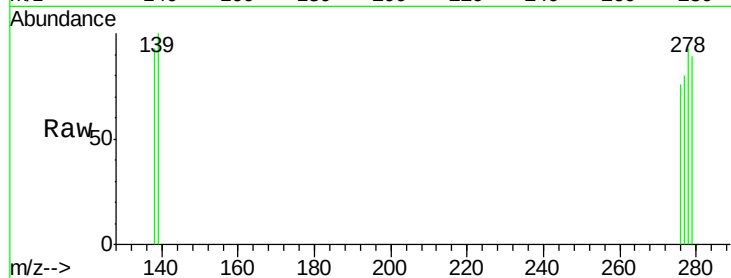
Acq: 24 Mar 2016 21:25

Instrument :

BNA_M

ClientSampleId :

A4T42



Tgt Ion: 278 Resp: 78

Ion Ratio Lower Upper

278 100

139 107.7 16.4 24.6#

279 96.2 20.2 30.2#

