

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004755.D
 Acq On : 24 Mar 2016 16:56
 Operator : UM/SJ
 Sample : H1909-25
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T60

Quant Time: Mar 25 02:30:37 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 02:29:05 2016
 Response via : Initial Calibration

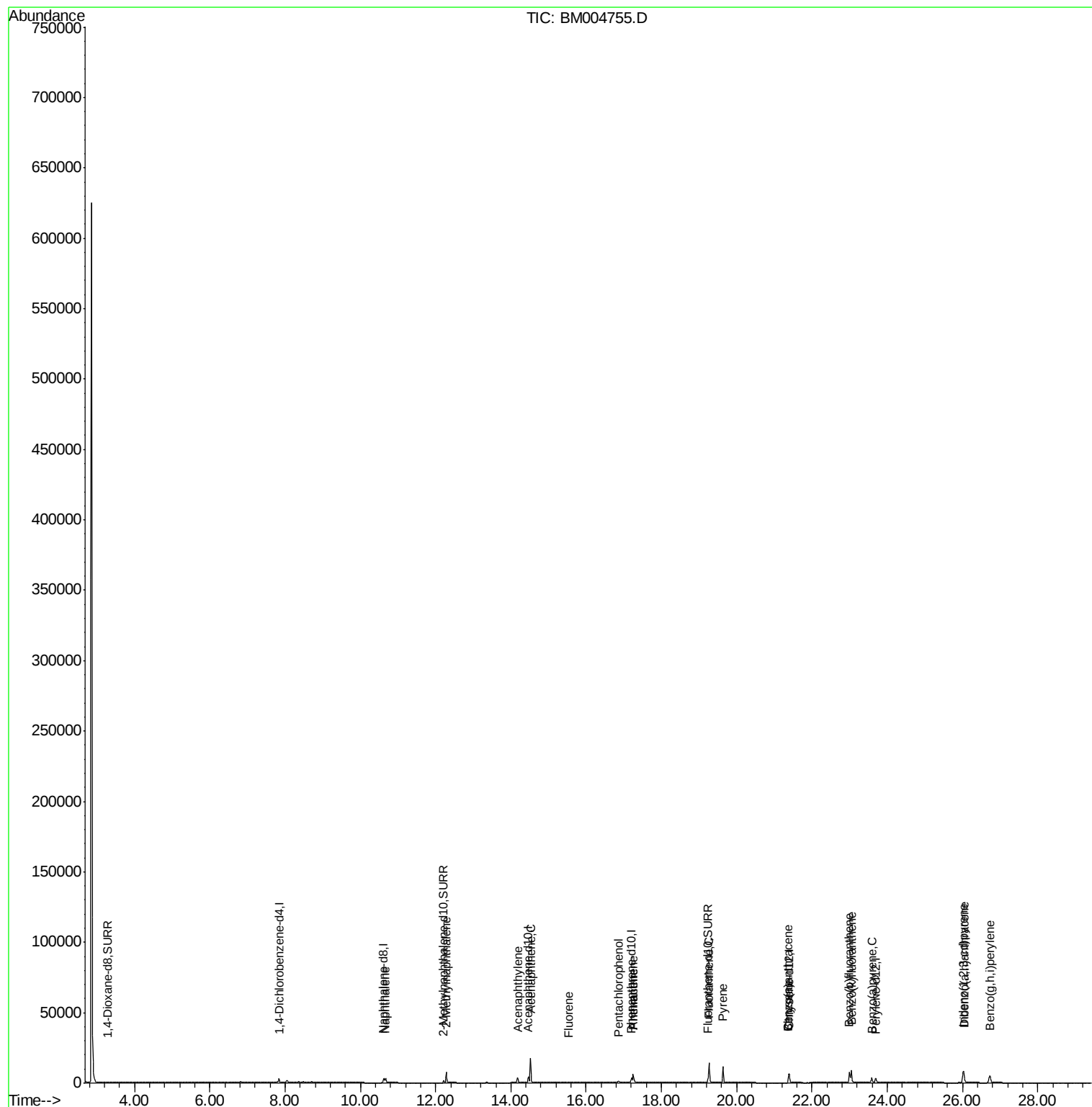
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1476	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5659	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2750	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5740	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	5005	5.00	ng/ul	0.00
22) Perylene-d12	23.69	264	4120	5.00	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.29	96	2	0.00	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	12.22	152	2152	0.33	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	4146	0.36	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.67	128	5288	0.40	ng/ul#	95
7) 2-Methylnaphthalene	12.29	142	7138	0.84	ng/ul	99
9) Acenaphthylene	14.18	152	5095	0.50	ng/ul	97
10) Acenaphthene	14.52	153	11064	1.22	ng/ul#	85
11) Fluorene	15.53	166	18	0.00	ng/ul#	57
13) Pentachlorophenol	16.87	266	938	1.22	ng/ul	96
14) Phenanthrene	17.24	178	8796	0.56	ng/ul#	92
15) Anthracene	17.24	178	9093	0.71	ng/ul#	95
17) Fluoranthene	19.27	202	15490	0.95	ng/ul	94
19) Pyrene	19.63	202	12510	0.72	ng/ul	99
20) Benzo(a)anthracene	21.38	228	5734	0.48	ng/ul#	89
21) Chrysene	21.38	228	5790	0.36	ng/ul	93
23) Benzo(b)fluoranthene	22.99	252	9846	0.67	ng/ul	96
24) Benzo(k)fluoranthene	23.04	252	12709	0.85	ng/ul#	95
25) Benzo(a)pyrene	23.59	252	5356	0.43	ng/ul#	94
26) Indeno(1,2,3-cd)pyrene	26.02	276	9760	0.72	ng/ul#	80
27) Dibenzo(a,h)anthracene	26.04	278	9584	0.90	ng/ul#	95
28) Benzo(g,h,i)perylene	26.72	276	10807	0.83	ng/ul#	92

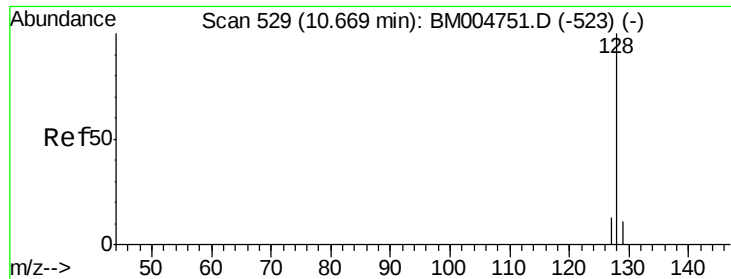
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.40 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004755.D

Acq: 24 Mar 2016 16:56

Instrument :

BNA_M

ClientSampleId :

A4T60

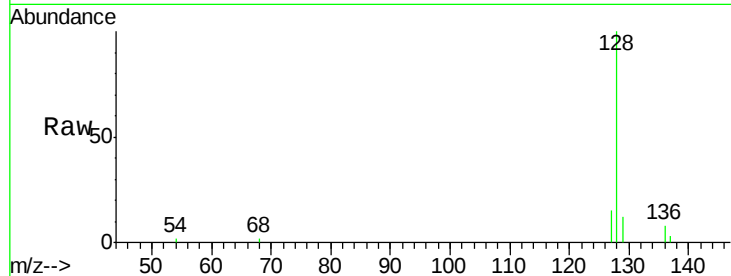
Tgt Ion:128 Resp: 5288

Ion Ratio Lower Upper

128 100

129 12.2 9.0 13.6

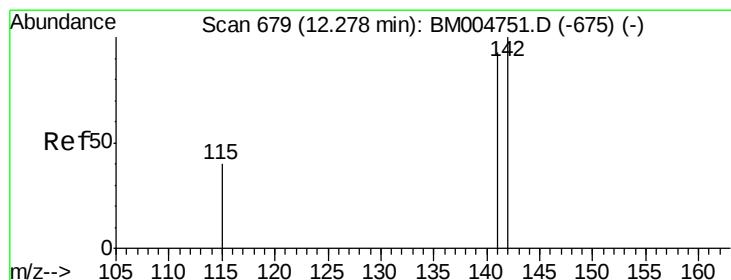
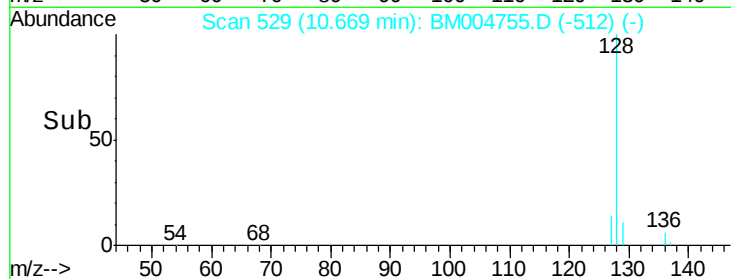
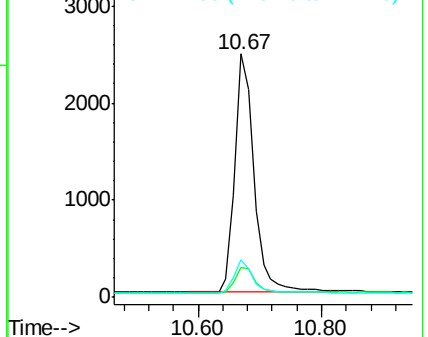
127 15.2 9.6 14.4#



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: 0.84 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. 0.01 min

Lab File: BM004755.D

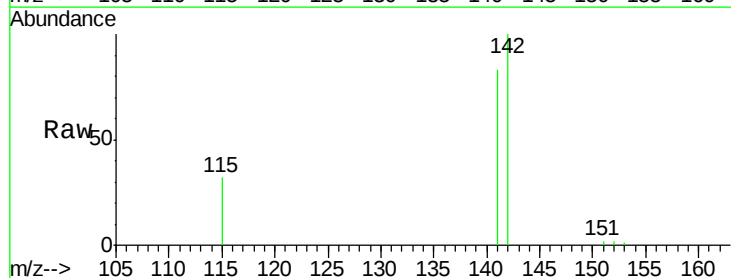
Acq: 24 Mar 2016 16:56

Tgt Ion:142 Resp: 7138

Ion Ratio Lower Upper

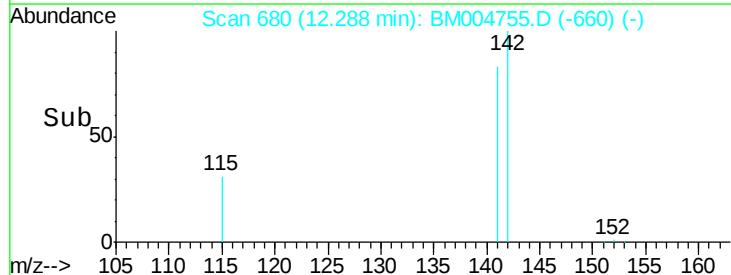
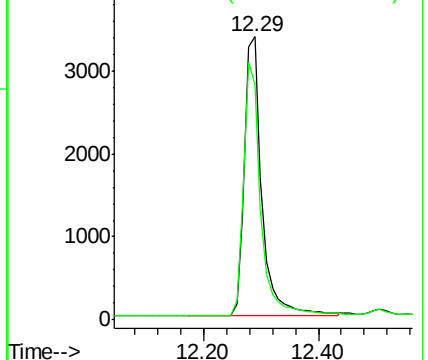
142 100

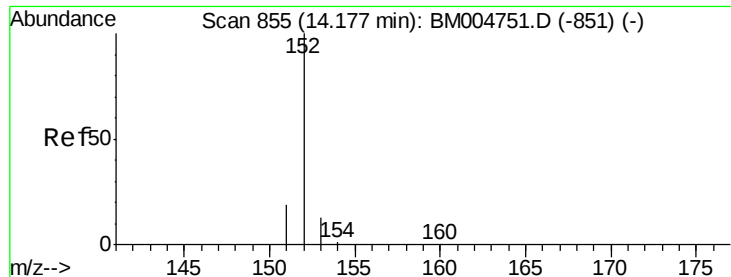
141 88.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.50 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004755.D

Acq: 24 Mar 2016 16:56

Instrument :

BNA_M

ClientSampleId :

A4T60

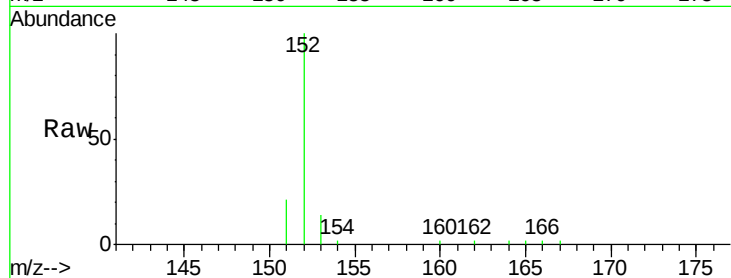
Tgt Ion:152 Resp: 5095

Ion Ratio Lower Upper

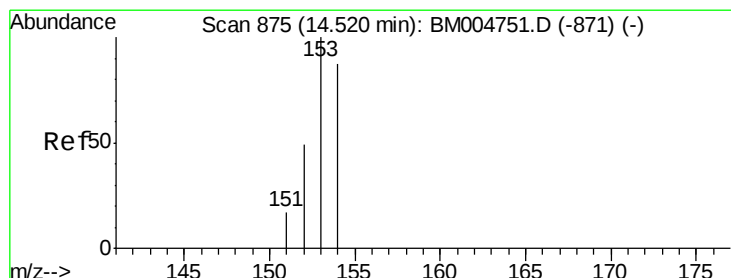
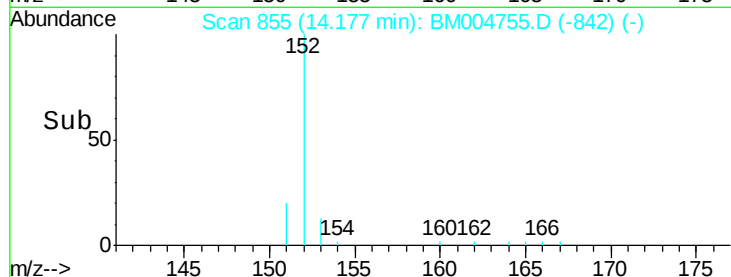
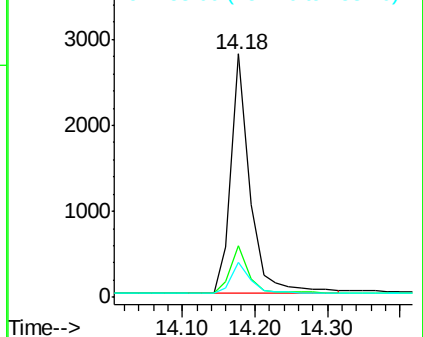
152 100

151 21.0 17.6 26.4

153 14.2 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



#10

Acenaphthene

Concen: 1.22 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004755.D

Acq: 24 Mar 2016 16:56

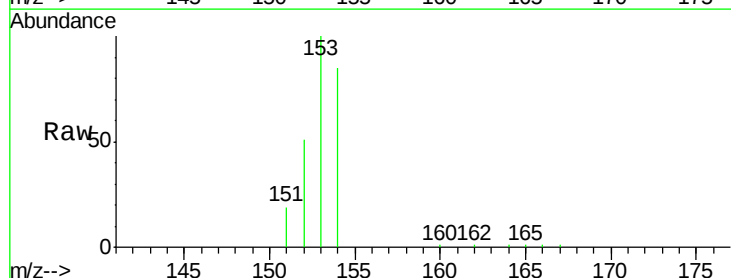
Tgt Ion:153 Resp: 11064

Ion Ratio Lower Upper

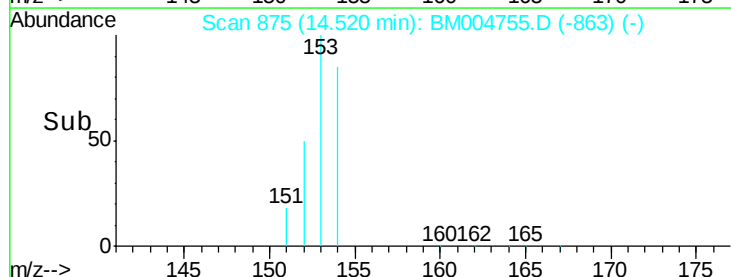
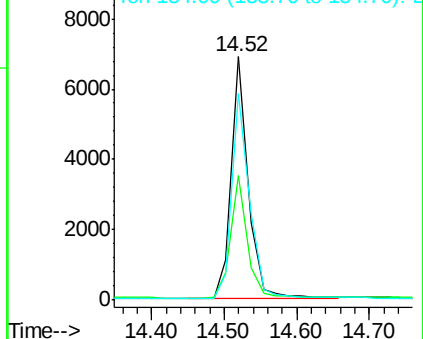
153 100

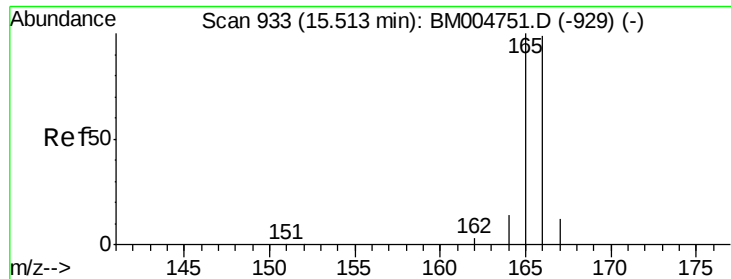
152 51.2 33.9 50.9#

154 85.0 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

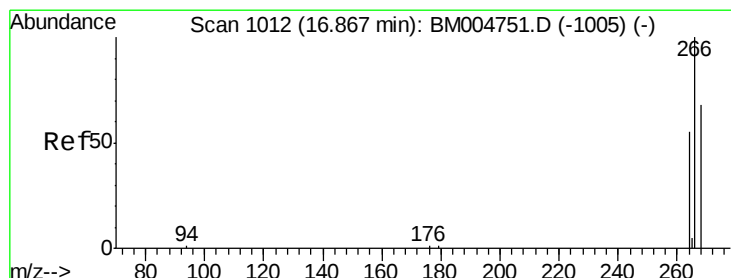
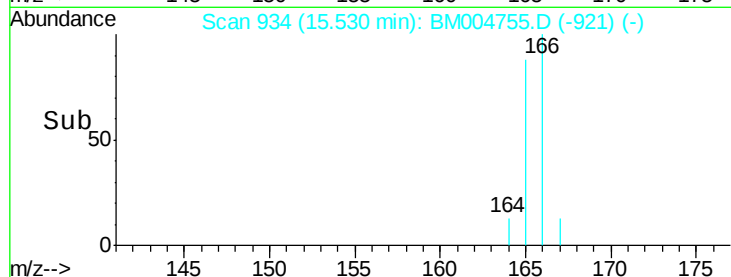
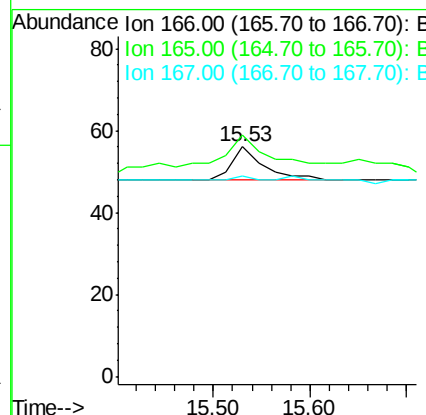
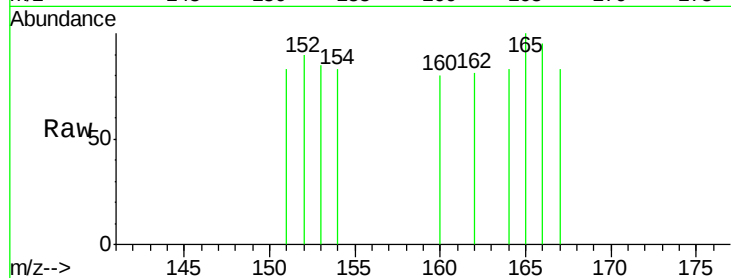




#11
 Fluorene
 Concen: 0.00 ng/ul
 RT: 15.53 min Scan# 934
 Delta R.T. 0.02 min
 Lab File: BM004755.D
 Acq: 24 Mar 2016 16:56

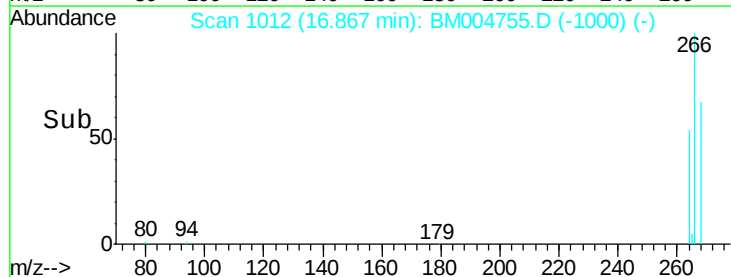
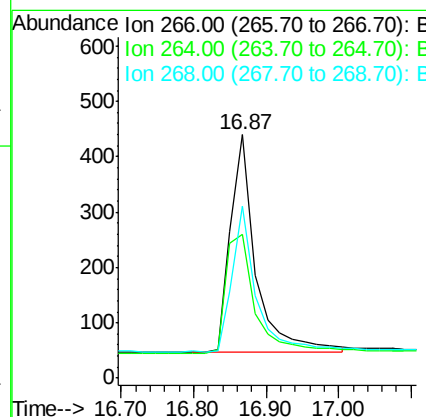
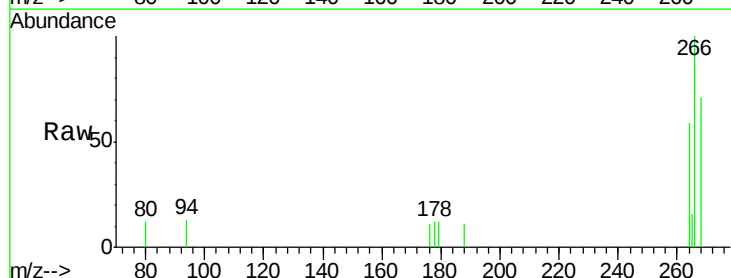
Instrument :
 BNA_M
 ClientSampleId :
 A4T60

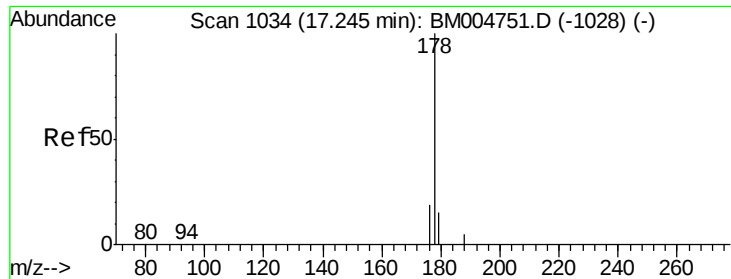
Tgt Ion:166 Resp: 18
 Ion Ratio Lower Upper
 166 100
 165 105.4 69.6 104.4#
 167 87.5 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 1.22 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: BM004755.D
 Acq: 24 Mar 2016 16:56

Tgt Ion:266 Resp: 938
 Ion Ratio Lower Upper
 266 100
 264 64.3 51.8 77.8
 268 64.5 46.8 70.2





#14

Phenanthrene

Concen: 0.56 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BM004755.D

Acq: 24 Mar 2016 16:56

Instrument :

BNA_M

ClientSampleId :

A4T60

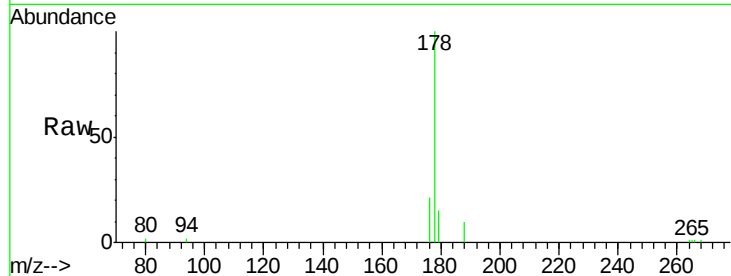
Tgt Ion:178 Resp: 8796

Ion Ratio Lower Upper

178 100

176 21.1 13.0 19.4#

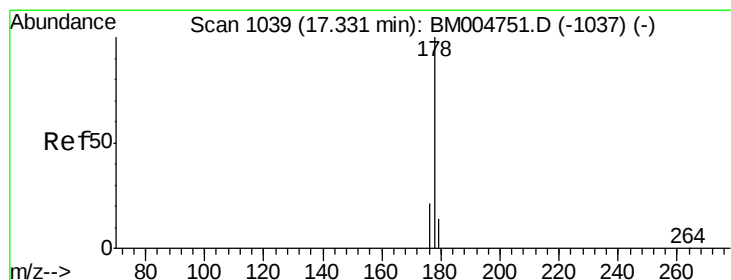
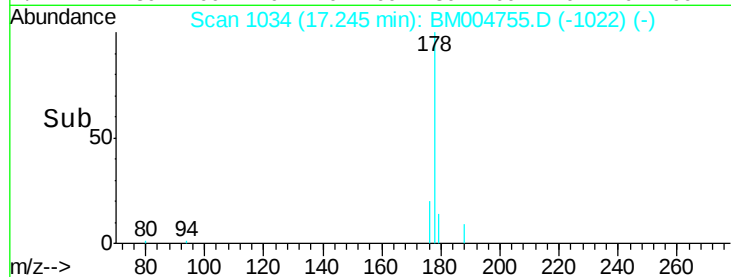
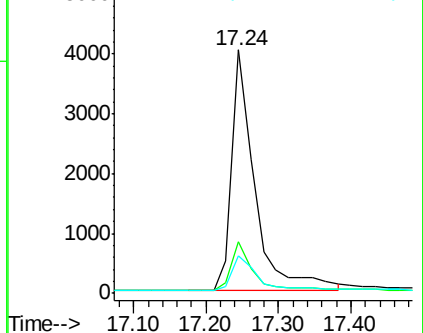
179 15.5 14.2 21.2



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: 0.71 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.09 min

Lab File: BM004755.D

Acq: 24 Mar 2016 16:56

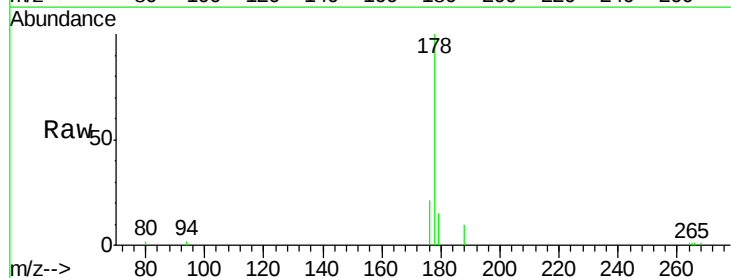
Tgt Ion:178 Resp: 9093

Ion Ratio Lower Upper

178 100

176 21.1 14.0 21.0#

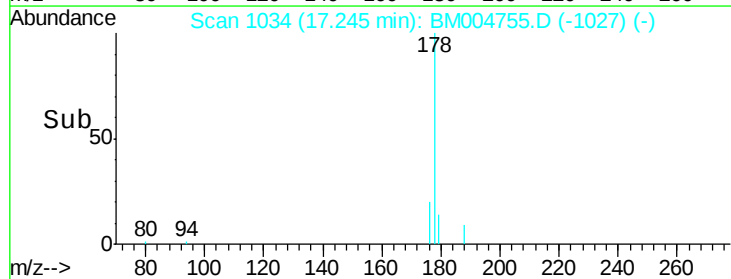
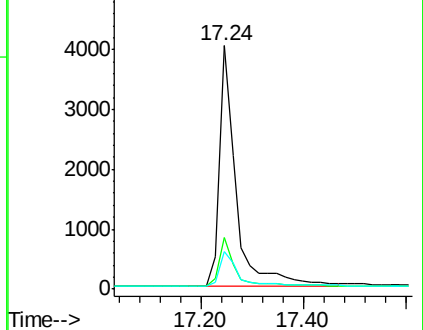
179 15.5 12.9 19.3

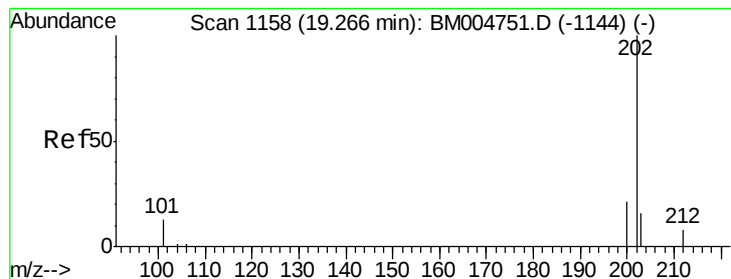


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.95 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BM004755.D

Acq: 24 Mar 2016 16:56

Instrument :

BNA_M

ClientSampleId :

A4T60

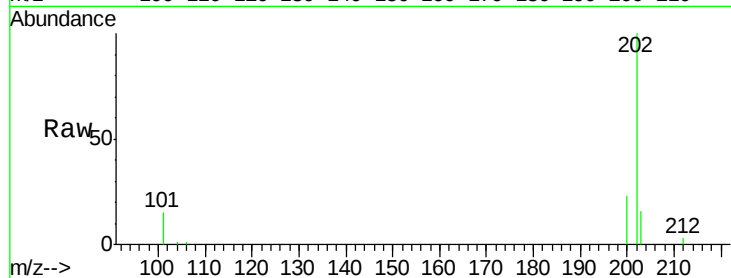
Tgt Ion:202 Resp: 15490

Ion Ratio Lower Upper

202 100

101 15.2 0.0 29.6

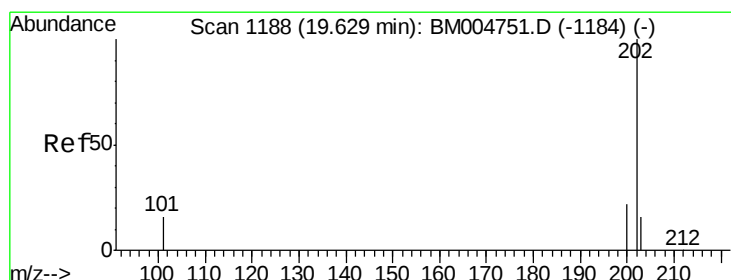
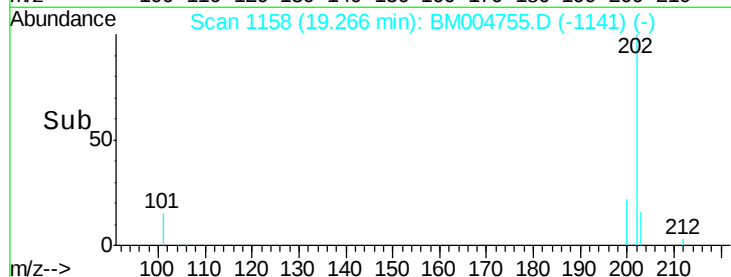
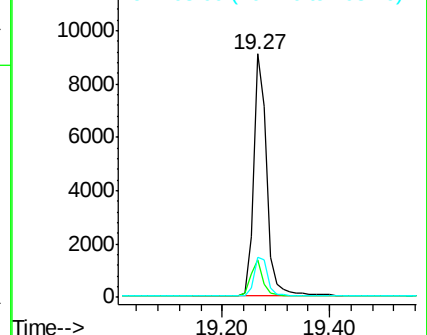
203 16.3 0.0 36.3



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: 0.72 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BM004755.D

Acq: 24 Mar 2016 16:56

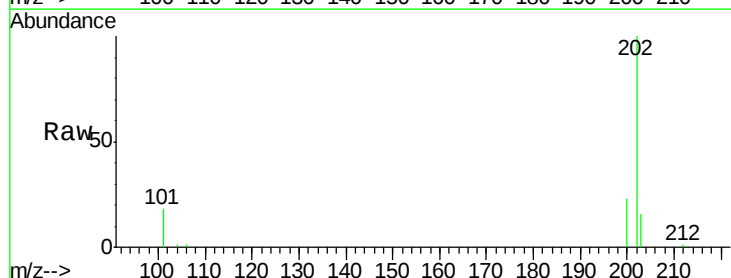
Tgt Ion:202 Resp: 12510

Ion Ratio Lower Upper

202 100

200 23.2 17.8 26.8

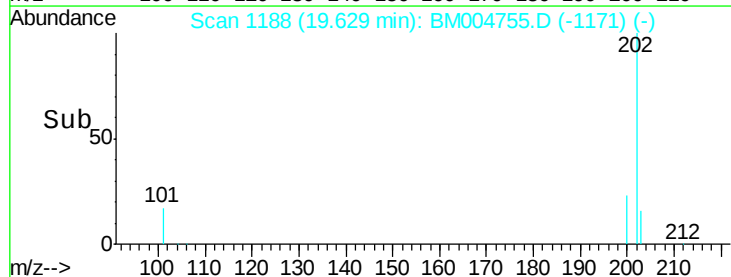
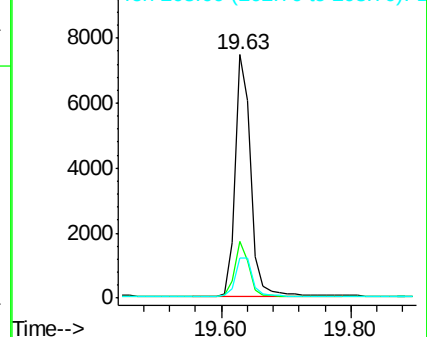
203 16.4 12.8 19.2

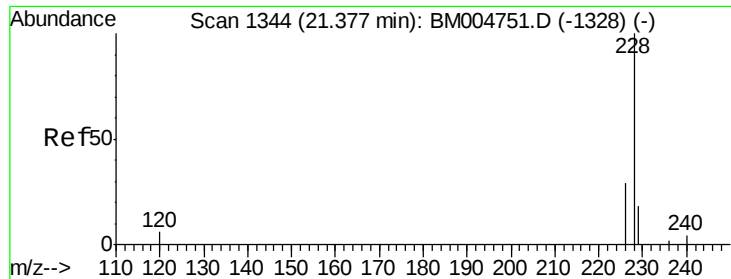


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.48 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM004755.D

Acq: 24 Mar 2016 16:56

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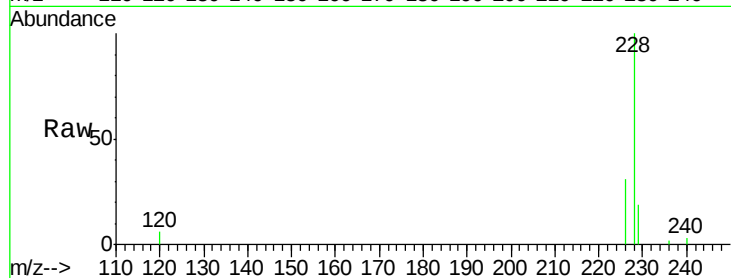
Tgt Ion:228 Resp: 5734

Ion Ratio Lower Upper

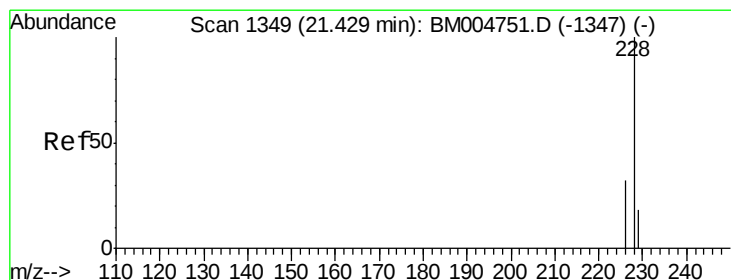
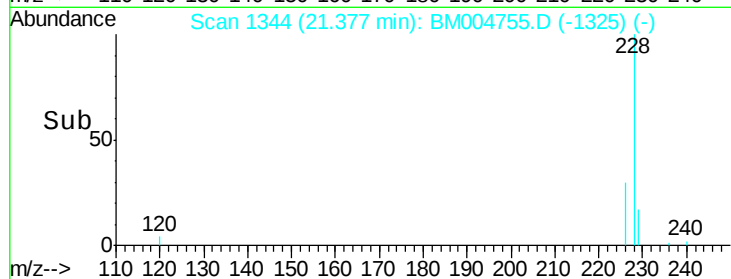
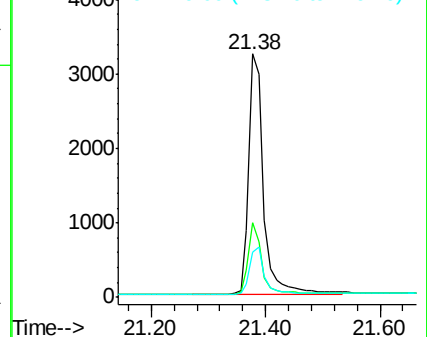
228 100

226 30.9 18.8 28.2#

229 18.7 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: 0.36 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.05 min

Lab File: BM004755.D

Acq: 24 Mar 2016 16:56

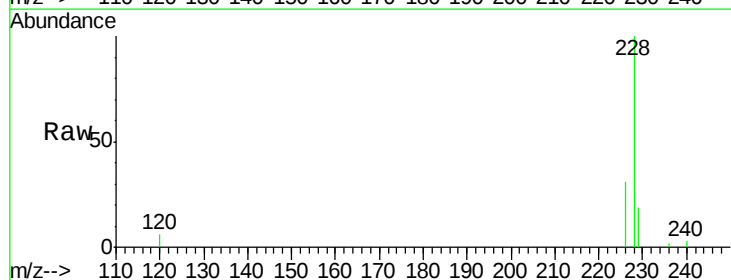
Tgt Ion:228 Resp: 5790

Ion Ratio Lower Upper

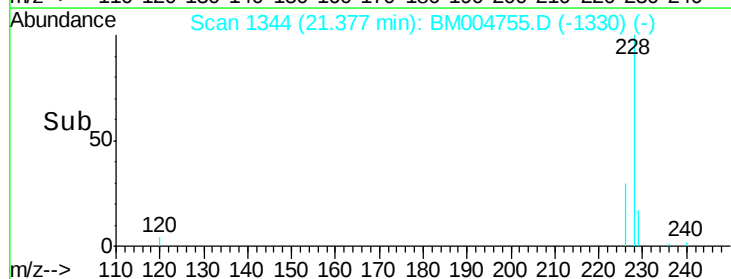
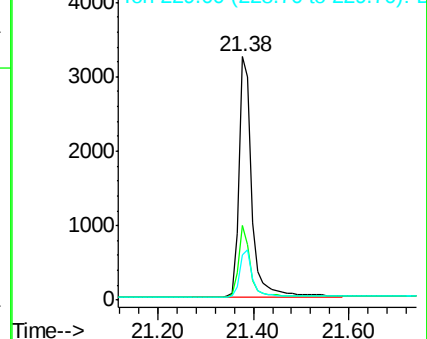
228 100

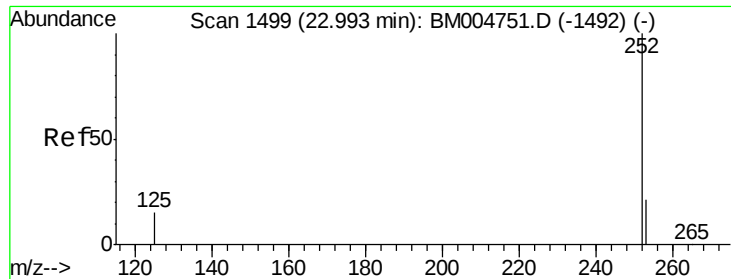
226 30.9 21.2 31.8

229 18.7 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: 0.67 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.00 min

Lab File: BM004755.D

Acq: 24 Mar 2016 16:56

Instrument :

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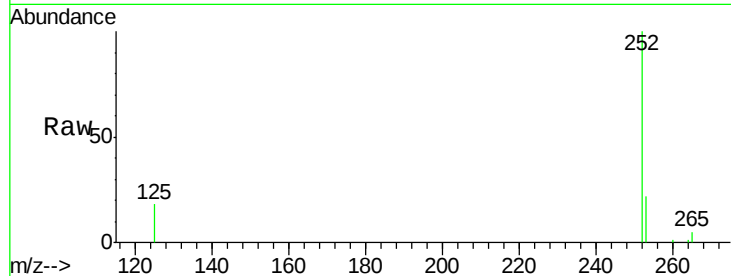
Tgt Ion:252 Resp: 9846

Ion Ratio Lower Upper

252 100

253 22.1 0.0 45.4

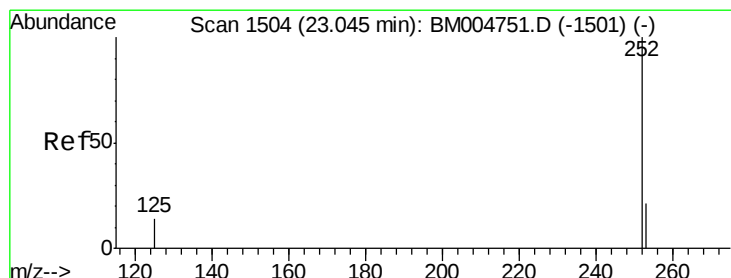
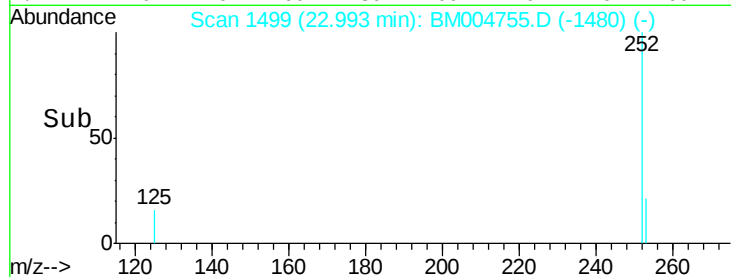
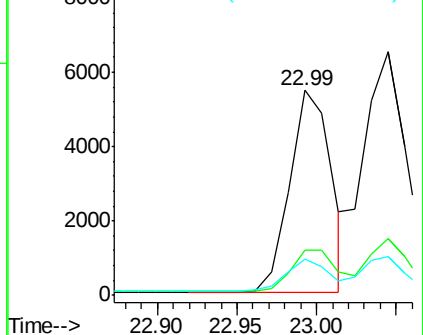
125 17.6 0.0 28.8



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: 0.85 ng/u1

RT: 23.04 min Scan# 1504

Delta R.T. -0.00 min

Lab File: BM004755.D

Acq: 24 Mar 2016 16:56

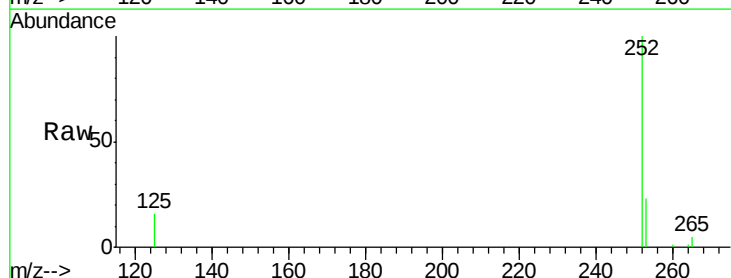
Tgt Ion:252 Resp: 12709

Ion Ratio Lower Upper

252 100

253 23.2 19.8 29.8

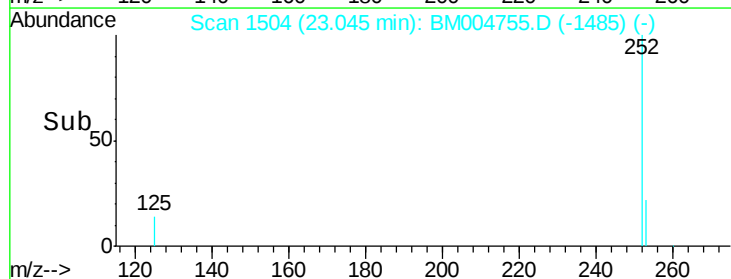
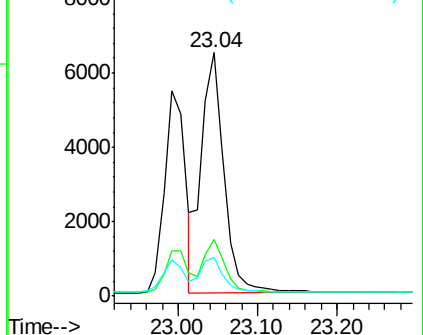
125 15.9 10.4 15.6#

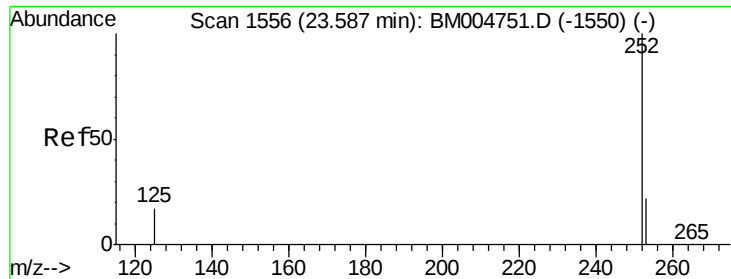


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.43 ng/ul

RT: 23.59 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BM004755.D

Acq: 24 Mar 2016 16:56

Instrument :

BNA_M

ClientSampleId :

A4T60

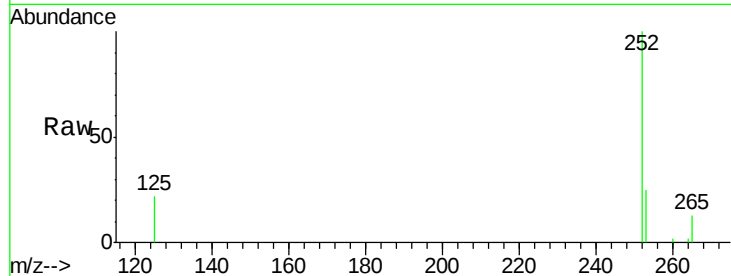
Tgt Ion:252 Resp: 5356

Ion Ratio Lower Upper

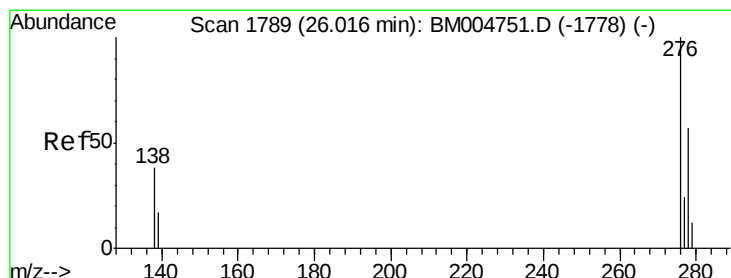
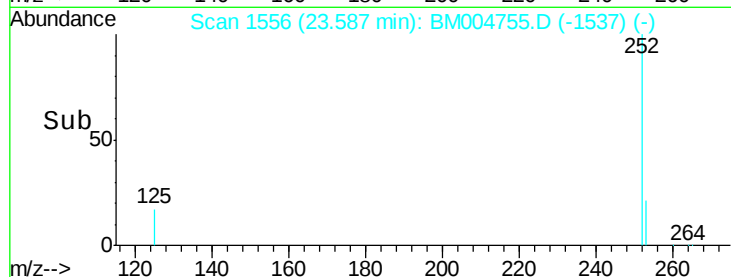
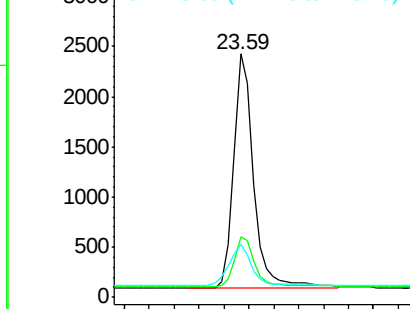
252 100

253 24.7 19.4 29.2

125 21.5 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: 0.72 ng/ul

RT: 26.02 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BM004755.D

Acq: 24 Mar 2016 16:56

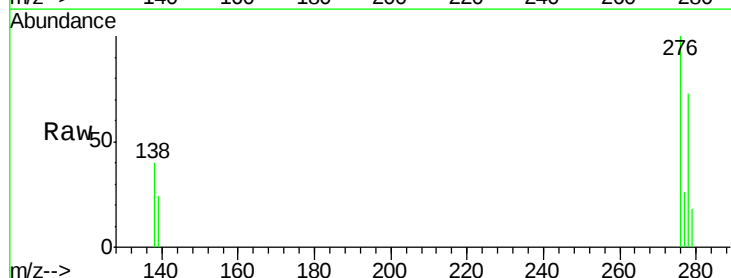
Tgt Ion:276 Resp: 9760

Ion Ratio Lower Upper

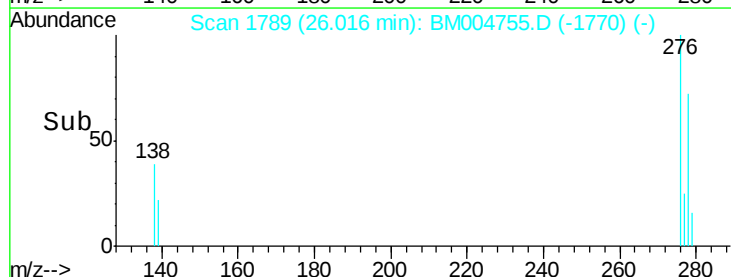
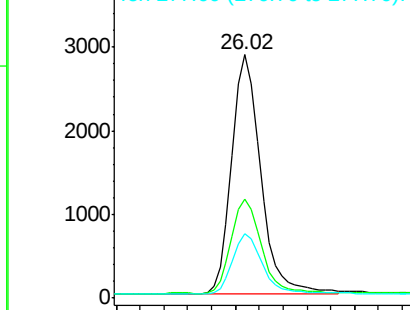
276 100

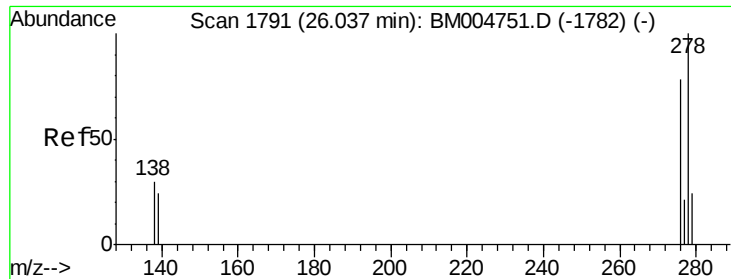
138 40.4 16.3 24.5#

277 25.2 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

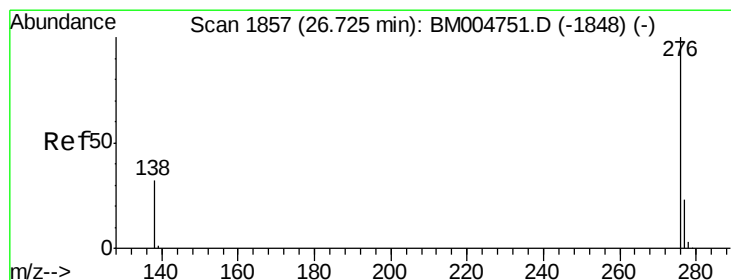
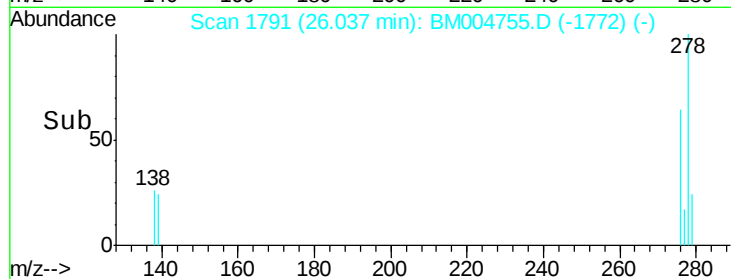
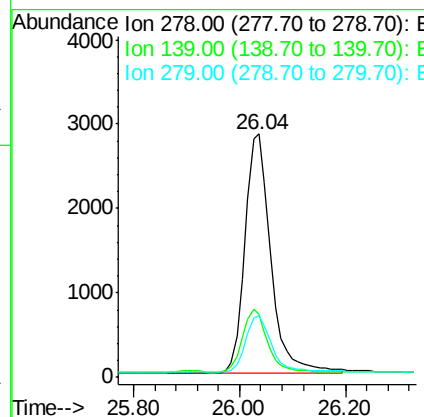
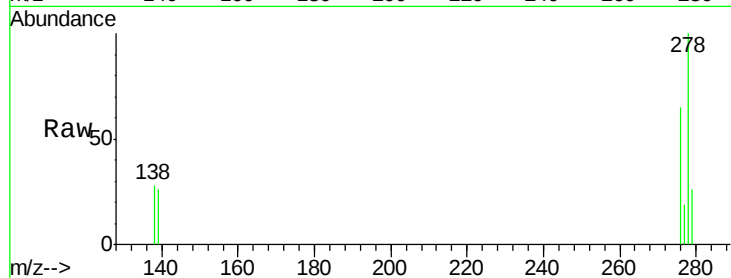




#27
Dibenzo(a,h)anthracene
Concen: 0.90 ng/ul
RT: 26.04 min Scan# 1791
Delta R.T. -0.00 min
Lab File: BM004755.D
Acq: 24 Mar 2016 16:56

Instrument :
BNA_M
ClientSampleId :
A4T60

Tgt Ion: 278 Resp: 9584
Ion Ratio Lower Upper
278 100
139 25.7 16.4 24.6#
279 25.6 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 0.83 ng/ul
RT: 26.72 min Scan# 1857
Delta R.T. 0.00 min
Lab File: BM004755.D
Acq: 24 Mar 2016 16:56

Tgt Ion: 276 Resp: 10807
Ion Ratio Lower Upper
276 100
277 24.7 18.9 28.3
138 34.5 22.5 33.7#

