

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004763.D
 Acq On : 24 Mar 2016 23:13
 Operator : UM/SJ
 Sample : H1909-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T45

Quant Time: Mar 25 03:22:19 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	1214	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4974	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2601	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	269557	5.00	ng/ul	0.09
18) Chrysene-d12	21.40	240	4870	5.00	ng/ul	-0.01
22) Perylene-d12	23.55	264	238889	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	5245	8.91	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.20	152	1608	0.28	ng/ul	-0.01
16) Fluoranthene-d10	19.24	212	3357	0.01	ng/ul	0.00

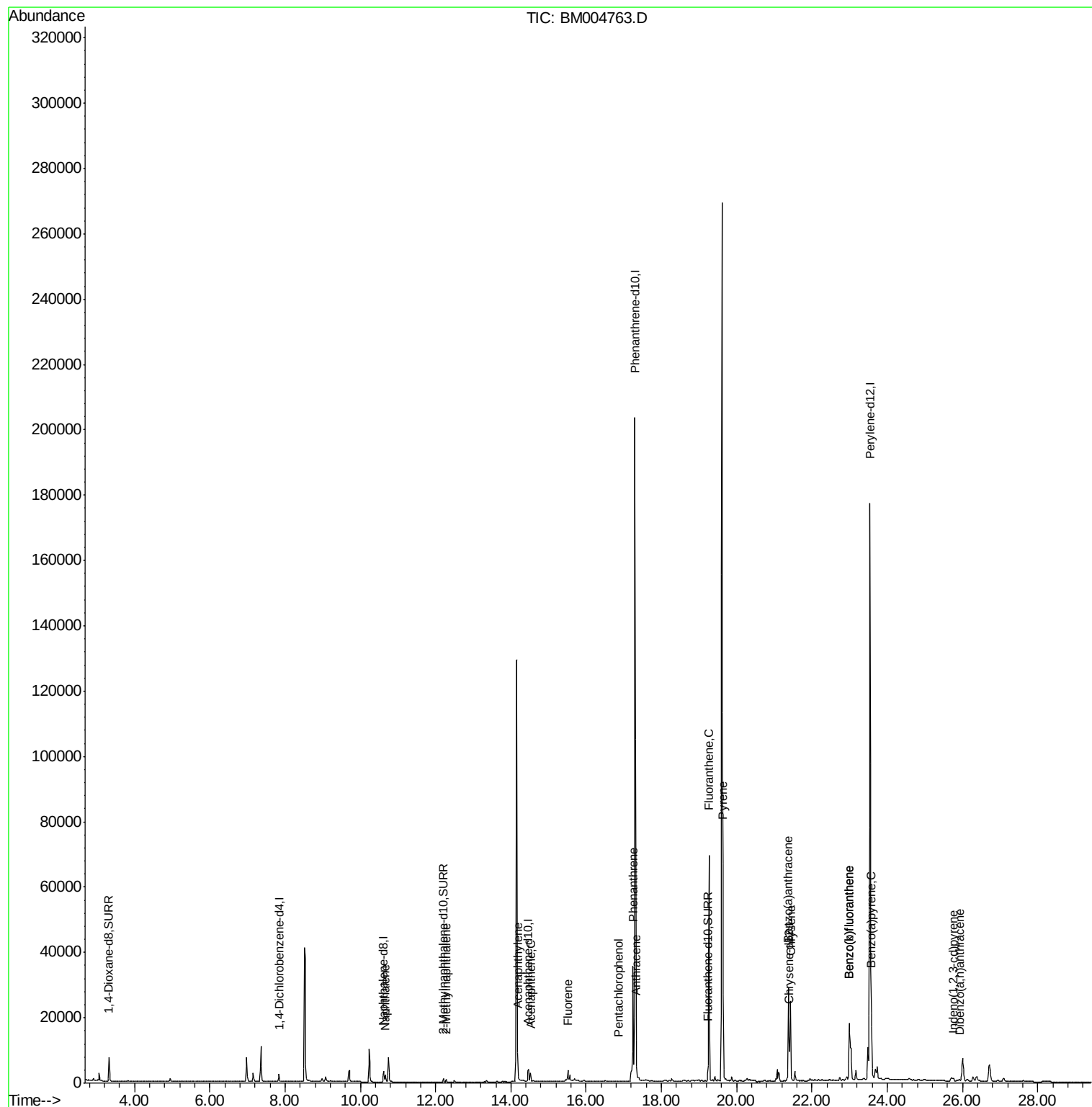
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	2924	0.25	ng/ul#	92
7) 2-Methylnaphthalene	12.28	142	710	0.10	ng/ul	99
9) Acenaphthylene	14.18	152	1700	0.18	ng/ul#	93
10) Acenaphthene	14.52	153	1470	0.17	ng/ul	87
11) Fluorene	15.51	166	2776	0.31	ng/ul	90
13) Pentachlorophenol	16.87	266	21	0.00	ng/ul#	54
14) Phenanthrene	17.24	178	37785	0.05	ng/ul	95
15) Anthracene	17.33	178	8933	0.01	ng/ul	96
17) Fluoranthene	19.27	202	62048	0.08	ng/ul	98
19) Pyrene	19.63	202	55633	3.28	ng/ul	97
20) Benzo(a)anthracene	21.38	228	27375	2.37	ng/ul	95
21) Chrysene	21.43	228	24996	1.58	ng/ul	96
23) Benzo(b)fluoranthene	22.99	252	27721	0.03	ng/ul	97
24) Benzo(k)fluoranthene	22.99	252	39219	0.05	ng/ul#	95
25) Benzo(a)pyrene	23.58	252	18361	0.03	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.75	276	1646	0.00	ng/ul	98
27) Dibenzo(a,h)anthracene	25.91	278	692	0.00	ng/ul#	37

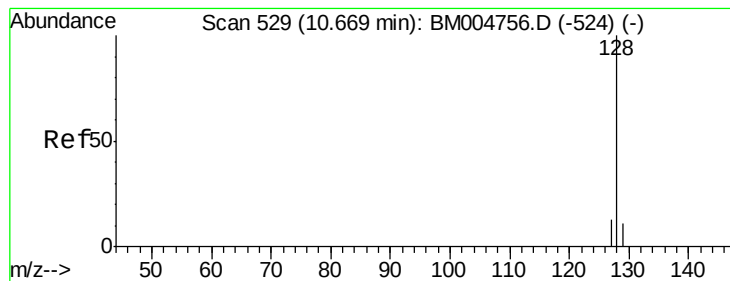
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.25 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004763.D

Acq: 24 Mar 2016 23:13

Instrument :

BNA_M

ClientSampleId :

A4T45

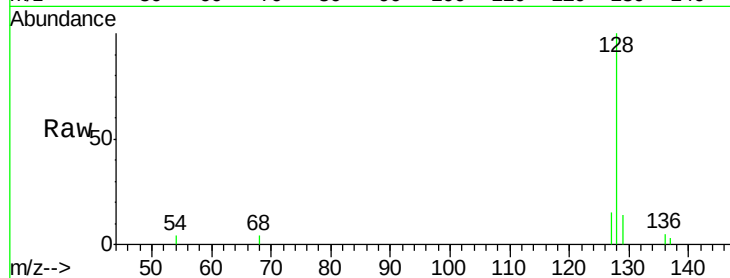
Tgt Ion:128 Resp: 2924

Ion Ratio Lower Upper

128 100

129 14.0 9.0 13.6#

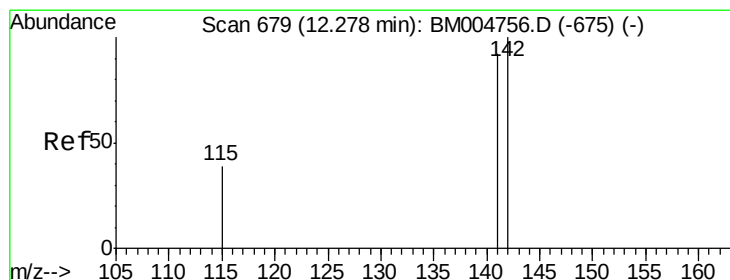
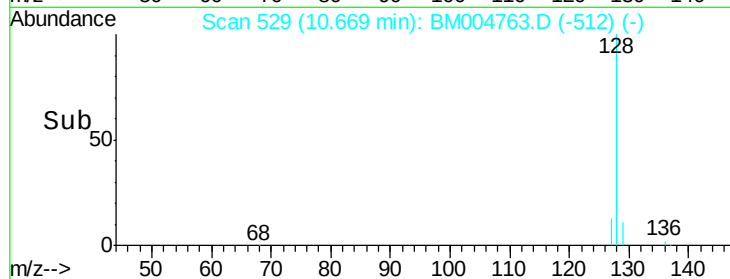
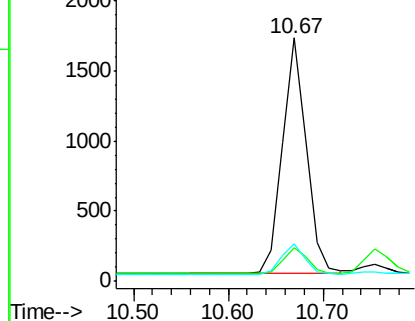
127 15.3 9.6 14.4#



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: 0.10 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. -0.00 min

Lab File: BM004763.D

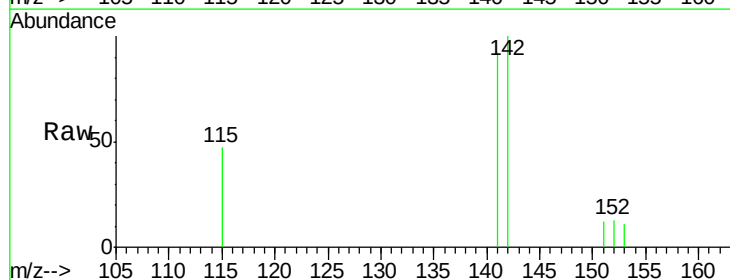
Acq: 24 Mar 2016 23:13

Tgt Ion:142 Resp: 710

Ion Ratio Lower Upper

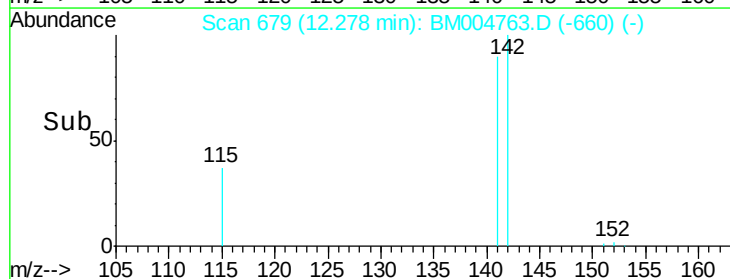
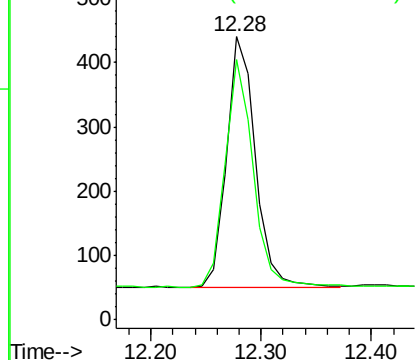
142 100

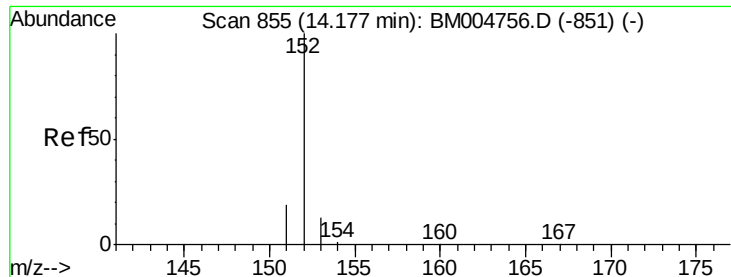
141 88.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004763.D

Acq: 24 Mar 2016 23:13

Instrument :

BNA_M

ClientSampleId :

A4T45

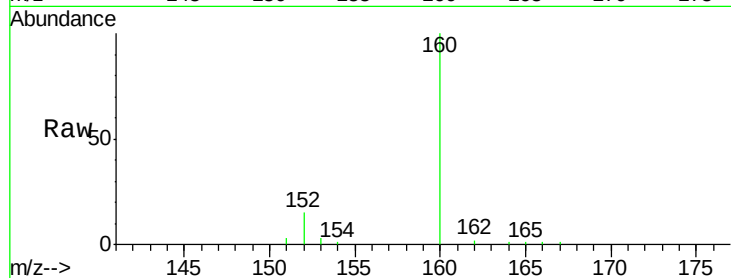
Tgt Ion:152 Resp: 1700

Ion Ratio Lower Upper

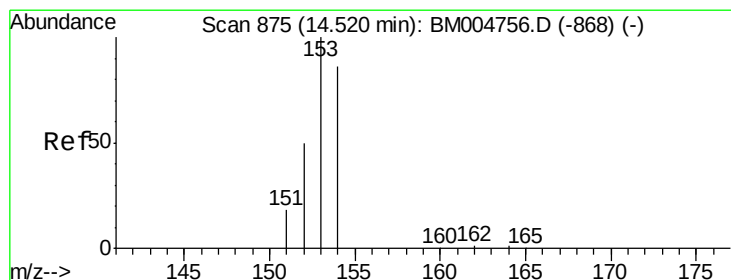
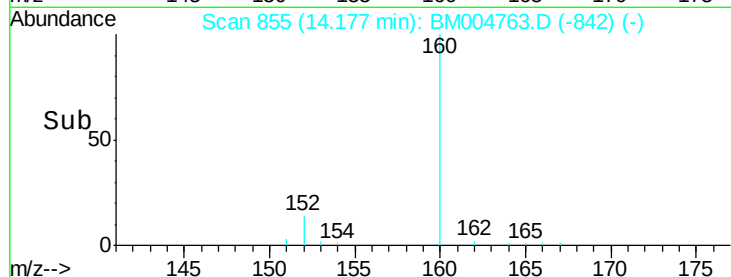
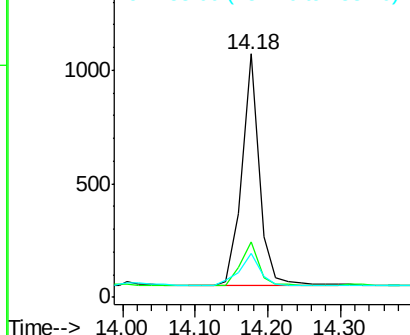
152 100

151 22.9 17.6 26.4

153 18.3 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: 0.17 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004763.D

Acq: 24 Mar 2016 23:13

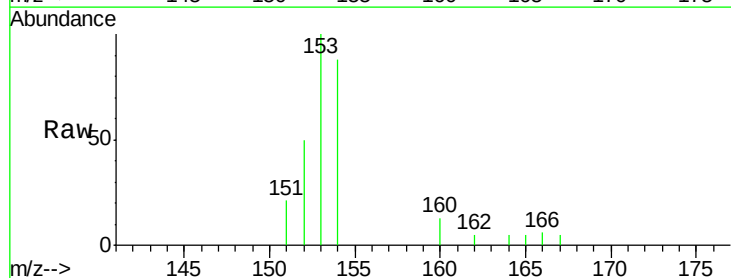
Tgt Ion:153 Resp: 1470

Ion Ratio Lower Upper

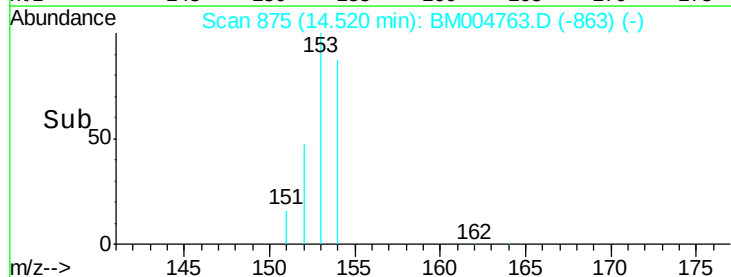
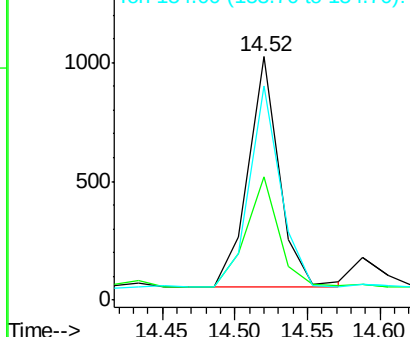
153 100

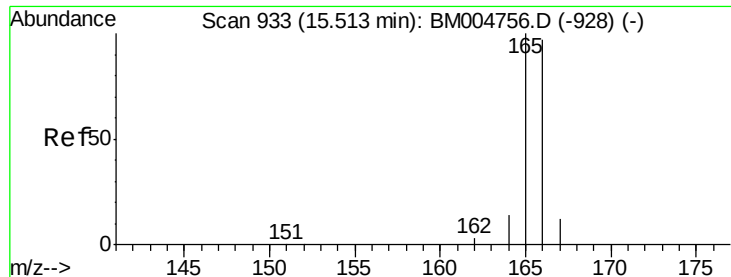
152 50.4 33.9 50.9

154 87.9 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

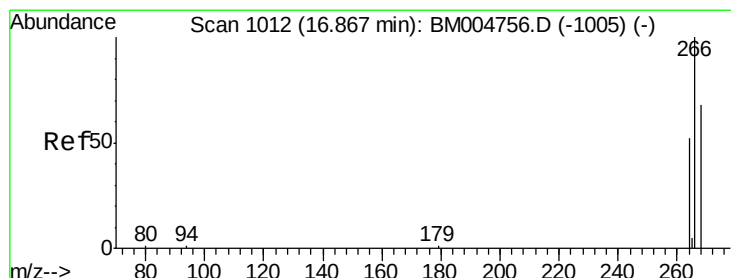
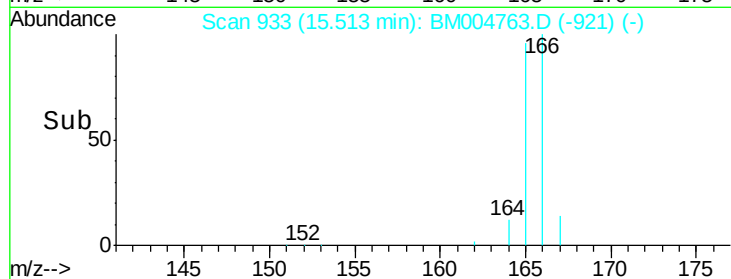
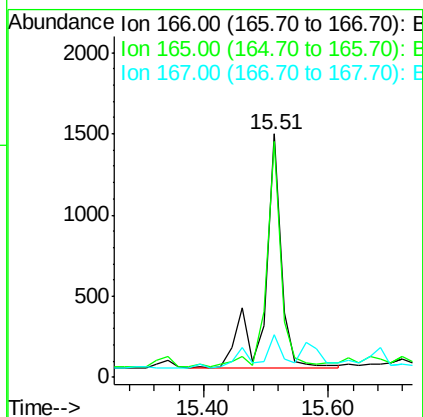
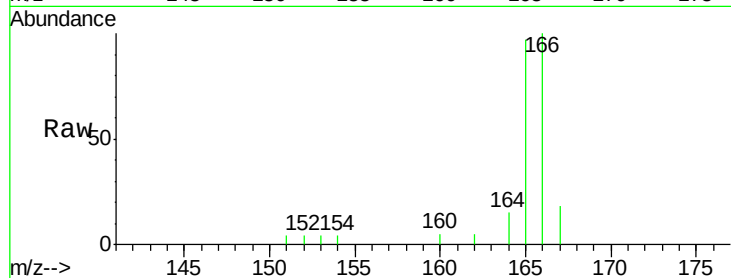




#11
 Fluorene
 Concen: 0.31 ng/ul
 RT: 15.51 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: BM004763.D
 Acq: 24 Mar 2016 23:13

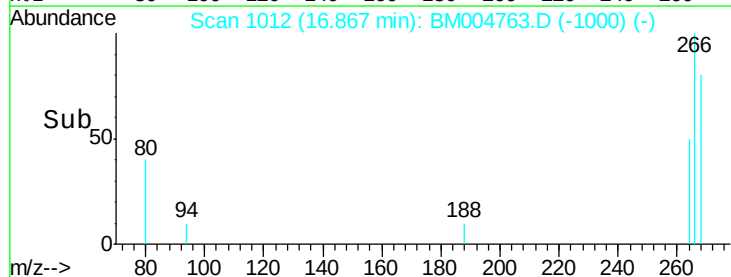
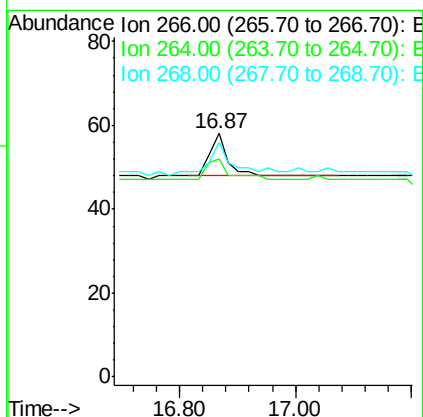
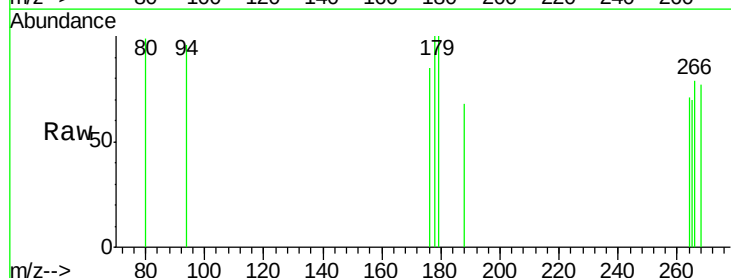
Instrument :
 BNA_M
 ClientSampleId :
 A4T45

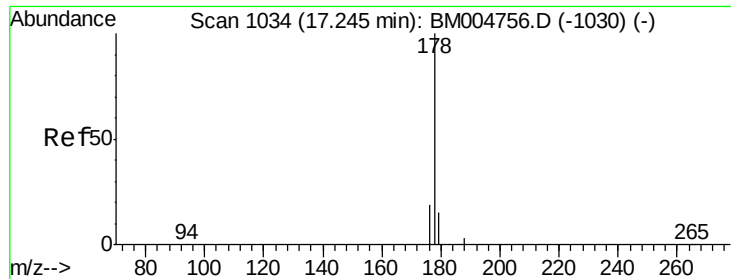
Tgt Ion:166 Resp: 2776
 Ion Ratio Lower Upper
 166 100
 165 96.7 69.6 104.4
 167 17.6 11.9 17.9



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: BM004763.D
 Acq: 24 Mar 2016 23:13

Tgt Ion:266 Resp: 21
 Ion Ratio Lower Upper
 266 100
 264 61.9 51.8 77.8
 268 128.6 46.8 70.2#





#14

Phenanthrene

Concen: 0.05 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BM004763.D

Acq: 24 Mar 2016 23:13

Instrument :

BNA_M

ClientSampleId :

A4T45

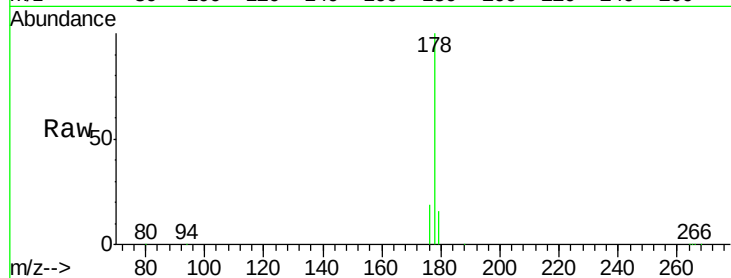
Tgt Ion:178 Resp: 37785

Ion Ratio Lower Upper

178 100

176 18.6 13.0 19.4

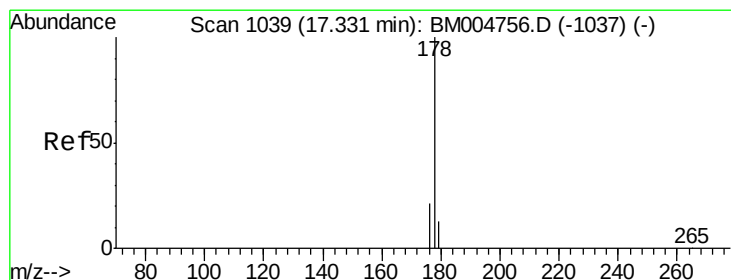
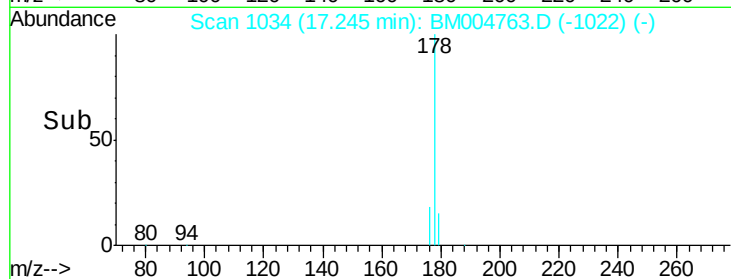
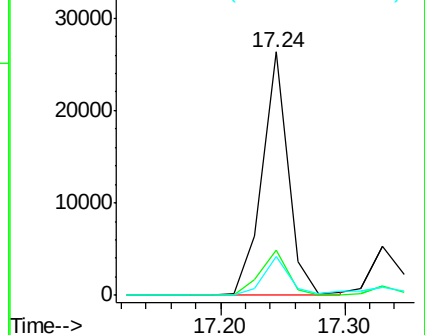
179 15.7 14.2 21.2



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: 0.01 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004763.D

Acq: 24 Mar 2016 23:13

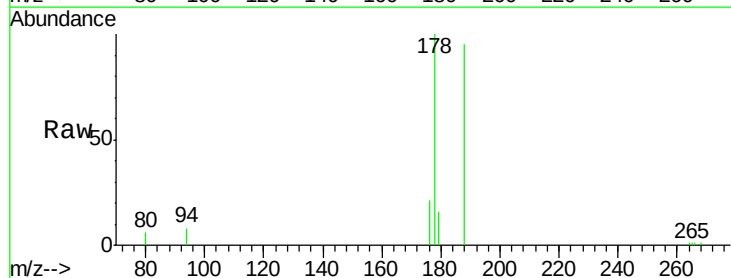
Tgt Ion:178 Resp: 8933

Ion Ratio Lower Upper

178 100

176 20.5 14.0 21.0

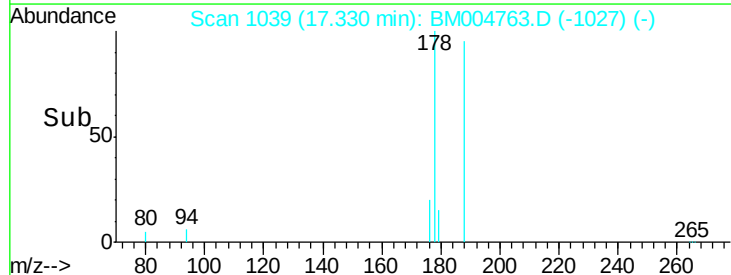
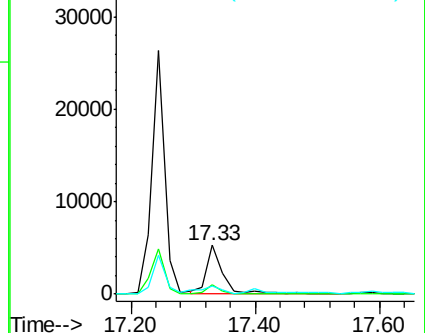
179 15.9 12.9 19.3

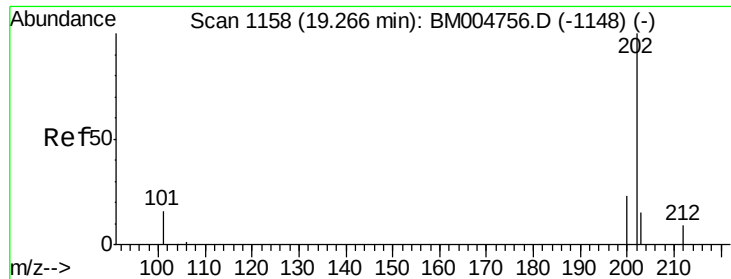


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

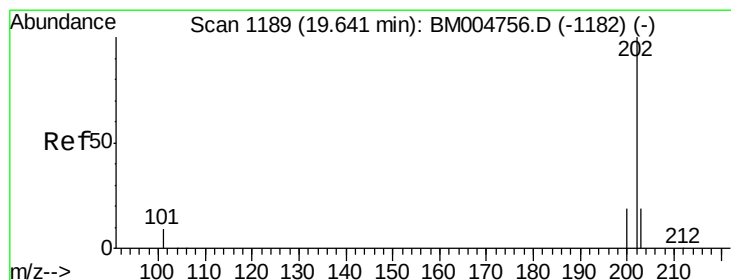
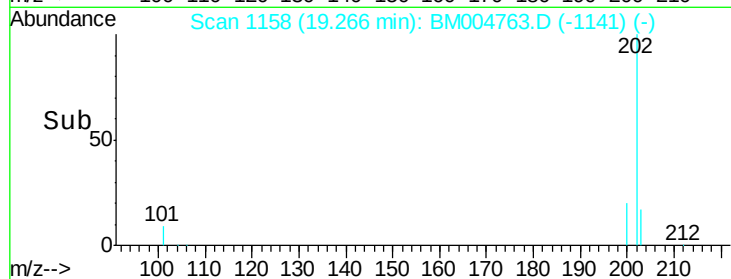
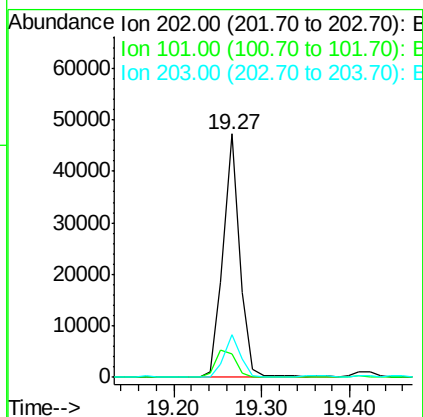
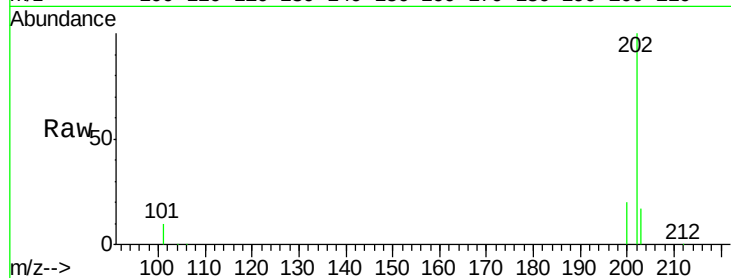




#17
Fluoranthene
 Concen: 0.08 ng/ul
 RT: 19.27 min Scan# 1158
 Delta R.T. -0.00 min
 Lab File: BM004763.D
 Acq: 24 Mar 2016 23:13

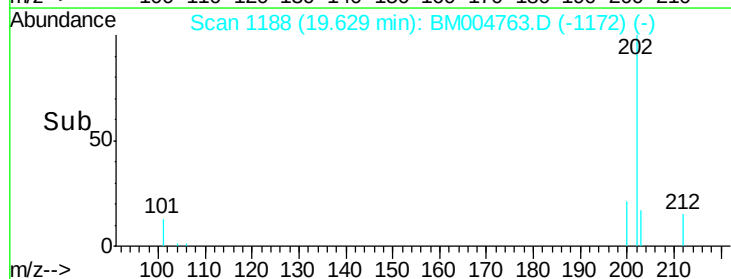
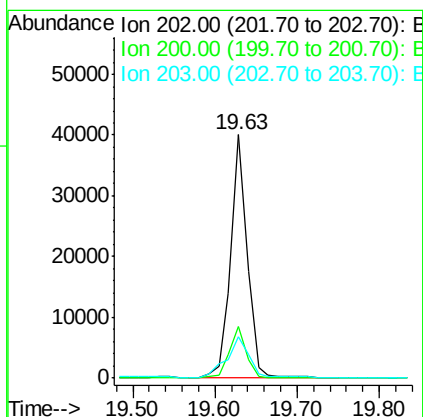
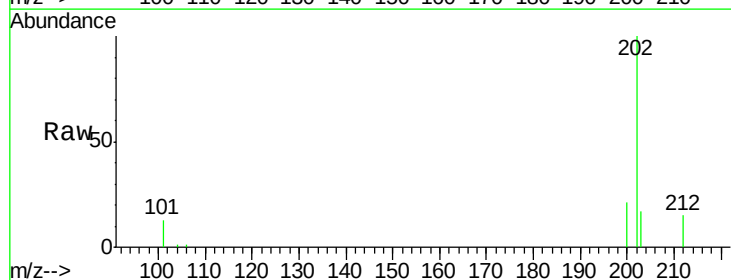
Instrument :
 BNA_M
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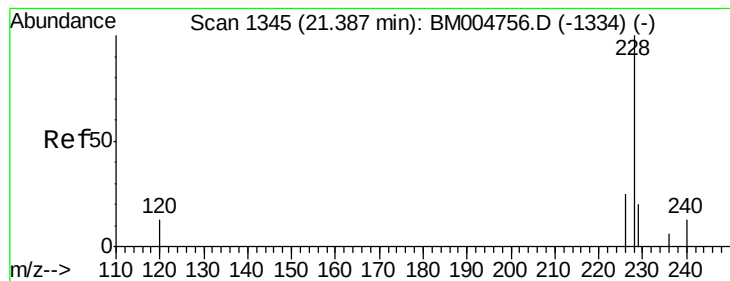
Tgt Ion:202 Resp: 62048
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 29.6
 203 17.3 0.0 36.3



#19
Pyrene
 Concen: 3.28 ng/ul
 RT: 19.63 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BM004763.D
 Acq: 24 Mar 2016 23:13

Tgt Ion:202 Resp: 55633
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.8 26.8
 203 17.1 12.8 19.2





#20

Benzo(a)anthracene

Concen: 2.37 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BM004763.D

Acq: 24 Mar 2016 23:13

Instrument :

BNA_M

ClientSampleId :

A4T45

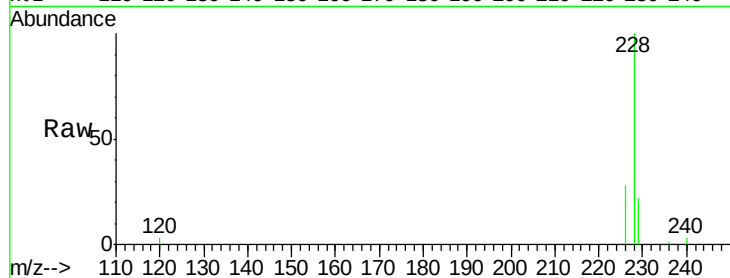
Tgt Ion:228 Resp: 27375

Ion Ratio Lower Upper

228 100

226 27.7 18.8 28.2

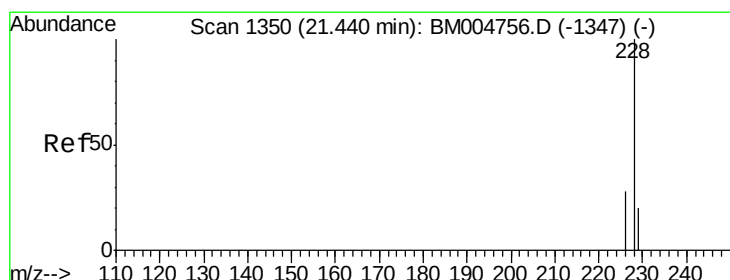
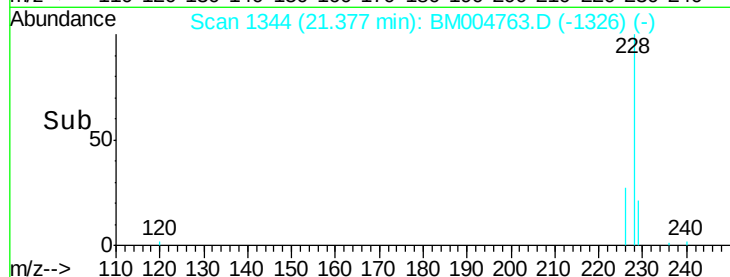
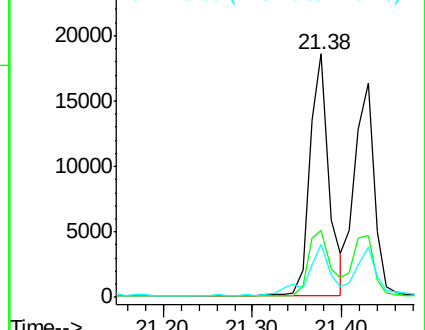
229 21.7 17.1 25.7



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: 1.58 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BM004763.D

Acq: 24 Mar 2016 23:13

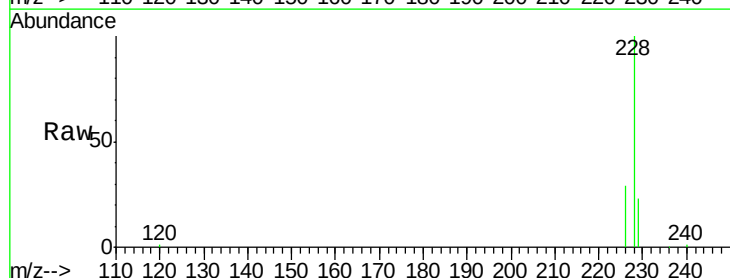
Tgt Ion:228 Resp: 24996

Ion Ratio Lower Upper

228 100

226 28.6 21.2 31.8

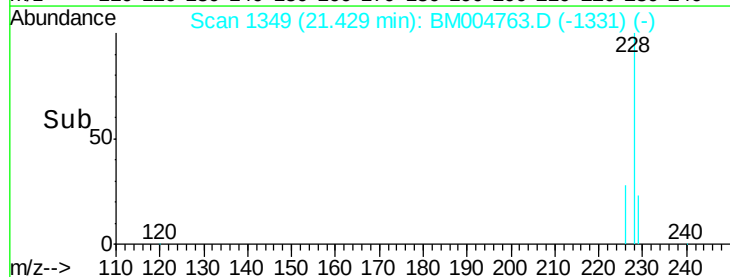
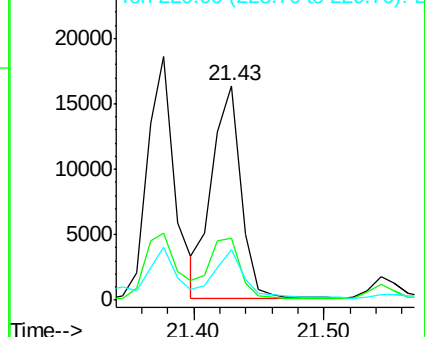
229 23.2 17.0 25.6

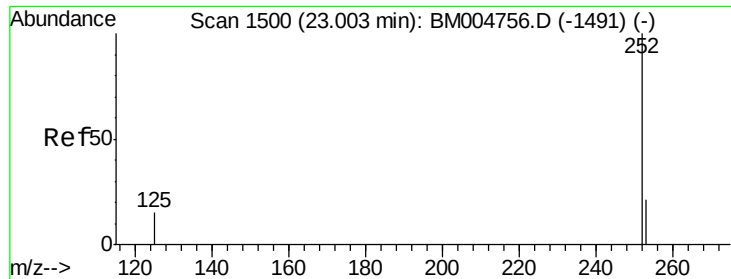


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM004763.D

Acq: 24 Mar 2016 23:13

Instrument :

BNA_M

ClientSampleId :

A4T45

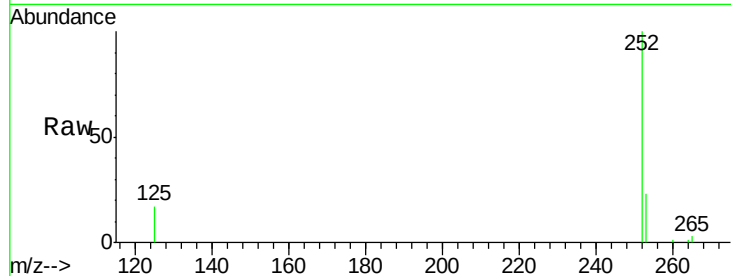
Tgt Ion:252 Resp: 27721

Ion Ratio Lower Upper

252 100

253 23.3 0.0 45.4

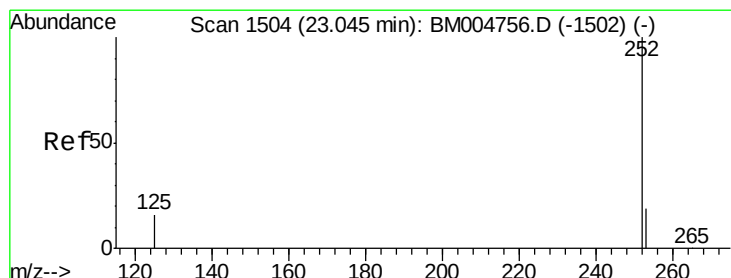
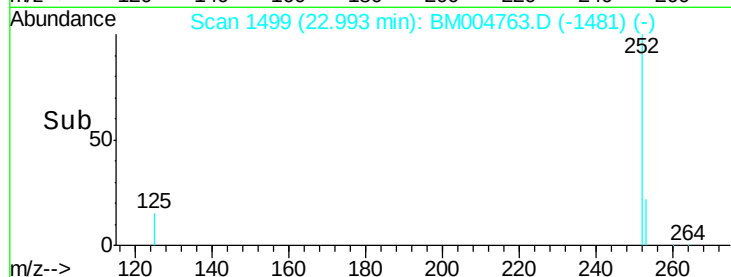
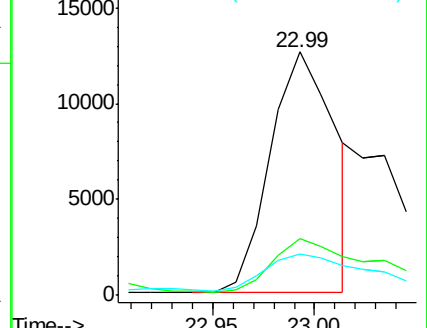
125 16.8 0.0 28.8



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: 0.05 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.05 min

Lab File: BM004763.D

Acq: 24 Mar 2016 23:13

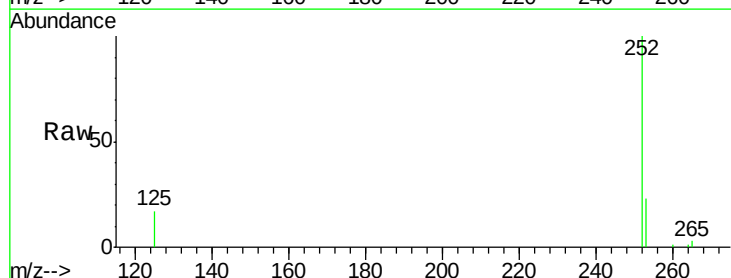
Tgt Ion:252 Resp: 39219

Ion Ratio Lower Upper

252 100

253 23.3 19.8 29.8

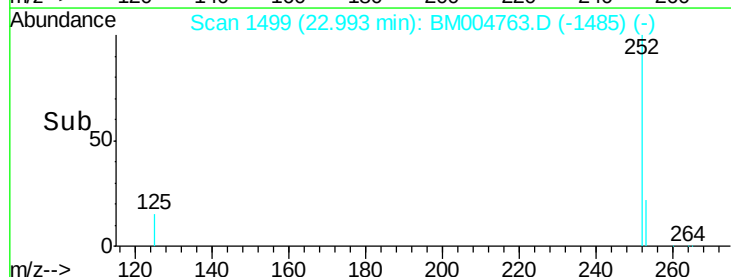
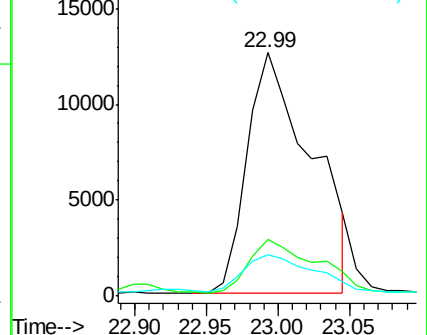
125 16.8 10.4 15.6#

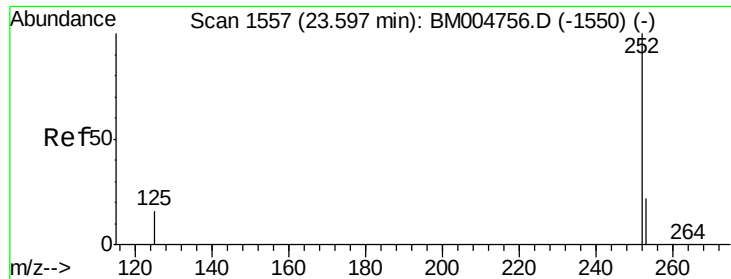


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.58 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BM004763.D

Acq: 24 Mar 2016 23:13

Instrument :

BNA_M

ClientSampleId :

A4T45

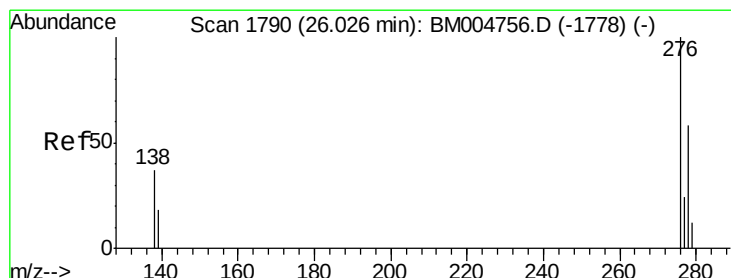
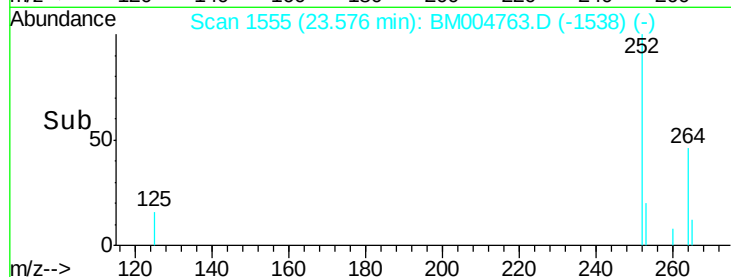
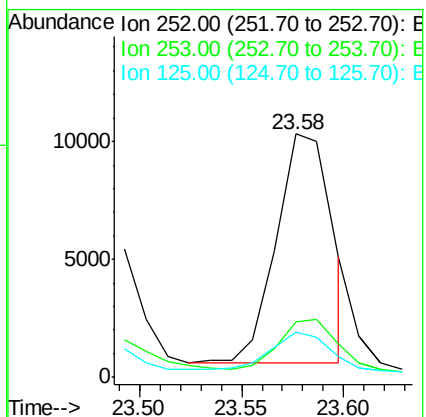
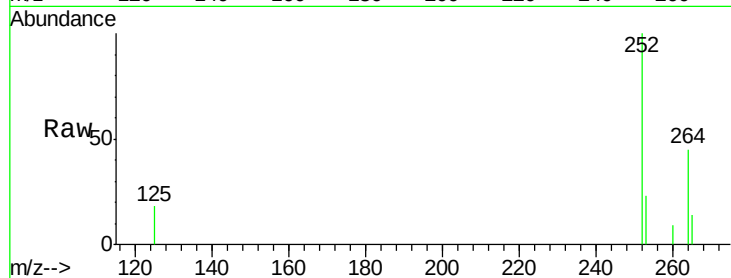
Tgt Ion:252 Resp: 18361

Ion Ratio Lower Upper

252 100

253 22.7 19.4 29.2

125 18.4 12.7 19.1



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.75 min Scan# 1764

Delta R.T. -0.27 min

Lab File: BM004763.D

Acq: 24 Mar 2016 23:13

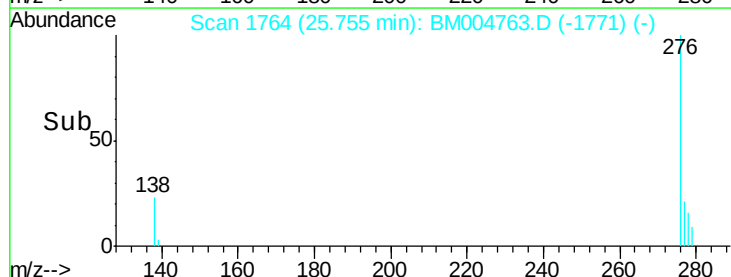
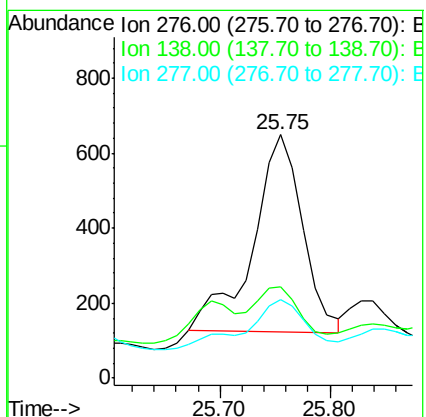
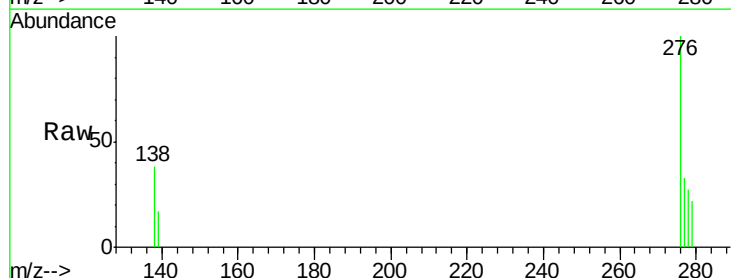
Tgt Ion:276 Resp: 1646

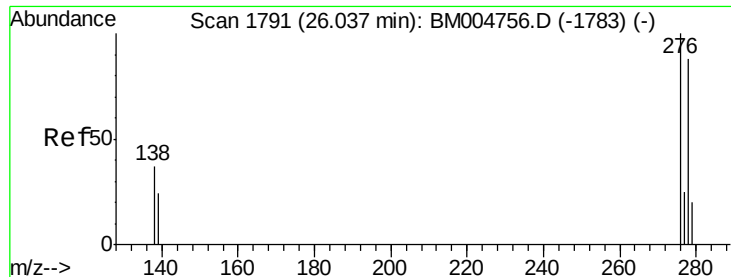
Ion Ratio Lower Upper

276 100

138 20.8 16.3 24.5

277 23.5 19.8 29.8





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.91 min Scan# 1779

Delta R.T. -0.13 min

Lab File: BM004763.D

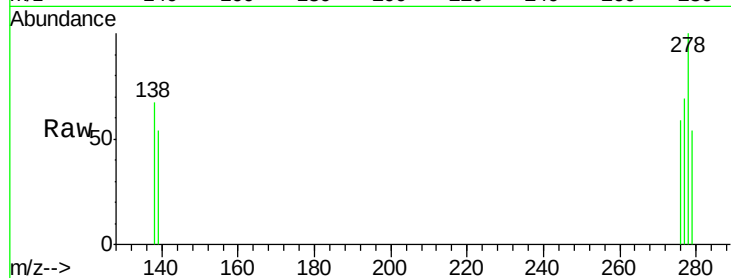
Acq: 24 Mar 2016 23:13

Instrument :

BNA_M

ClientSampleId :

A4T45



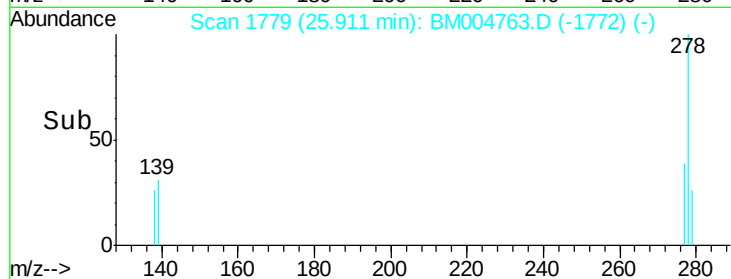
Tgt Ion: 278 Resp: 692

Ion Ratio Lower Upper

278 100

139 53.8 16.4 24.6#

279 53.8 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

