

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004765.D
 Acq On : 25 Mar 2016 00:26
 Operator : UM/SJ
 Sample : H1909-11MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T45MSD

Quant Time: Mar 25 03:22:35 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	79568	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	322941	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	161068	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	330661	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	251444	5.00	ng/ul	-0.01
22) Perylene-d12	23.69	264	228681	5.00	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	4937	0.13	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	1967	0.01	ng/ul	-0.01
16) Fluoranthene-d10	19.24	212	4101	0.01	ng/ul	0.00

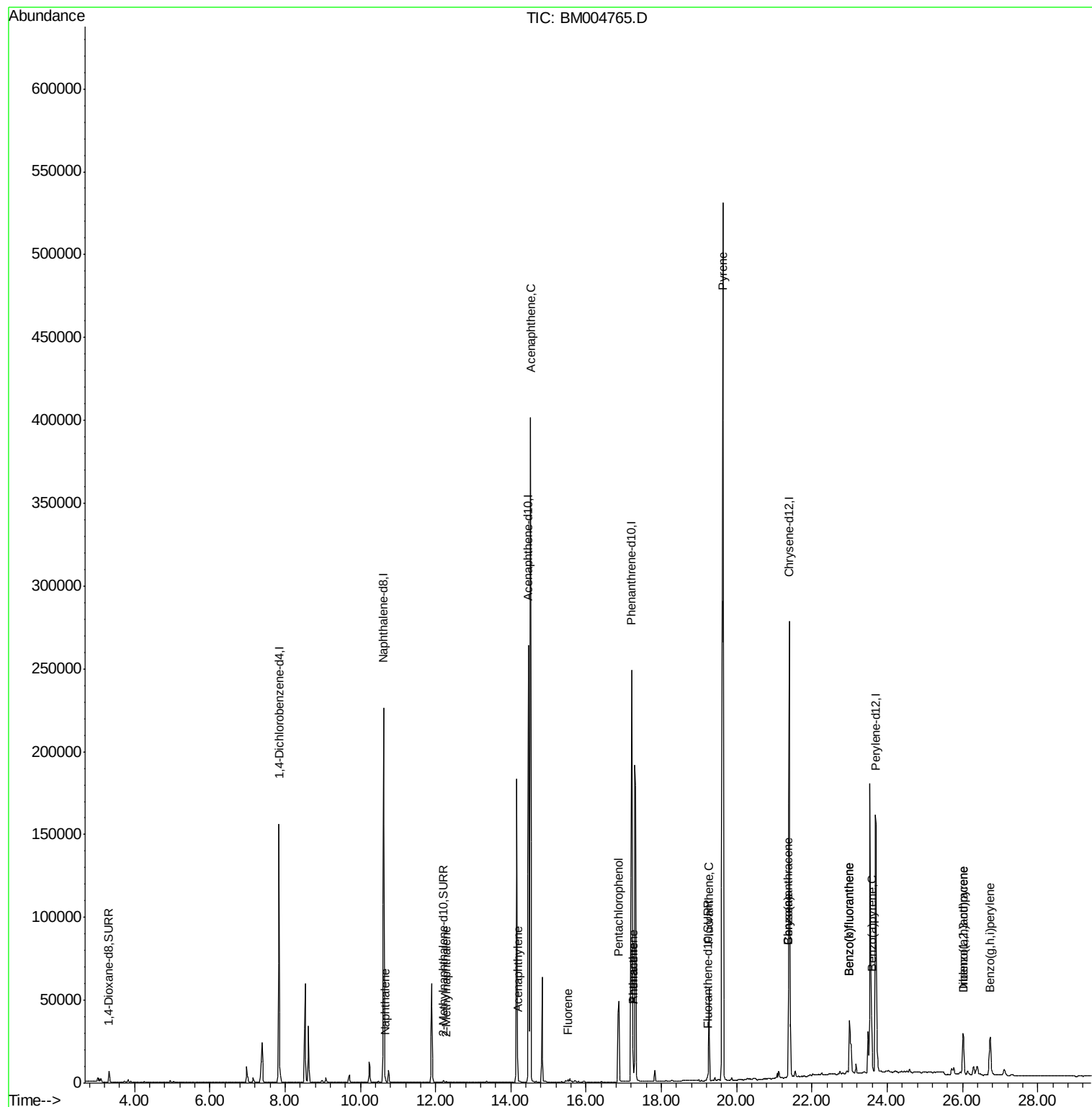
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	1966	0.00	ng/ul#	89
7) 2-Methylnaphthalene	12.28	142	453	0.00	ng/ul	98
9) Acenaphthylene	14.18	152	2092	0.00	ng/ul#	94
10) Acenaphthene	14.52	153	243402	0.46	ng/ul	85
11) Fluorene	15.51	166	867	0.00	ng/ul#	81
13) Pentachlorophenol	16.87	266	42782	0.96	ng/ul	96
14) Phenanthrene	17.24	178	21056	0.02	ng/ul#	93
15) Anthracene	17.24	178	21009	0.03	ng/ul	97
17) Fluoranthene	19.27	202	51617	0.06	ng/ul	97
19) Pyrene	19.63	202	512773	0.58	ng/ul	99
20) Benzo(a)anthracene	21.38	228	28472	0.05	ng/ul#	90
21) Chrysene	21.38	228	28210	0.03	ng/ul	93
23) Benzo(b)fluoranthene	22.99	252	74156	0.09	ng/ul	86
24) Benzo(k)fluoranthene	22.99	252	74156	0.09	ng/ul#	87
25) Benzo(a)pyrene	23.59	252	44240	0.06	ng/ul#	90
26) Indeno(1,2,3-cd)pyrene	26.02	276	39457	0.05	ng/ul#	90
27) Dibenzo(a,h)anthracene	26.03	278	10062	0.02	ng/ul#	41
28) Benzo(g,h,i)perylene	26.74	276	48525	0.07	ng/ul#	89

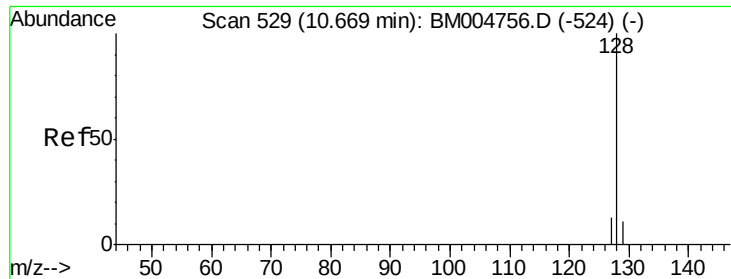
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

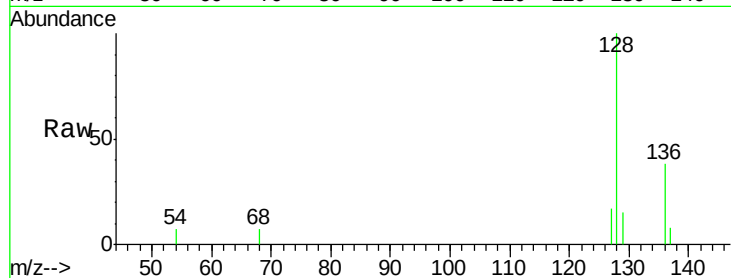
Tgt Ion:128 Resp: 1966

Ion Ratio Lower Upper

128 100

129 15.3 9.0 13.6#

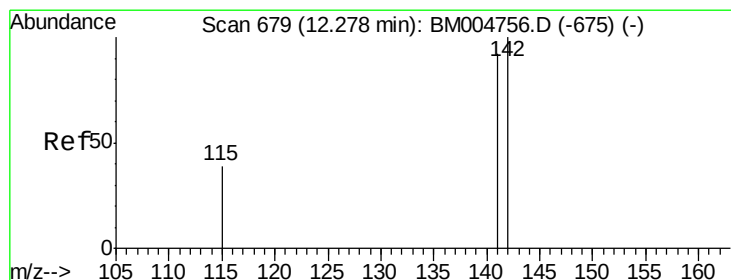
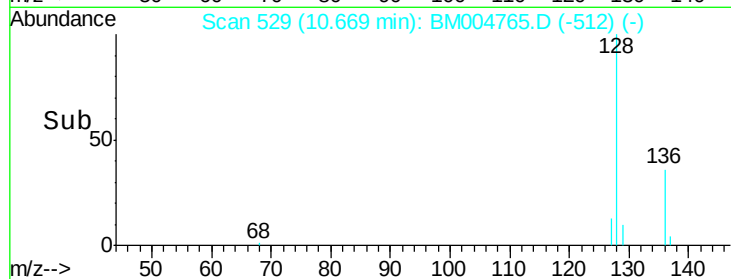
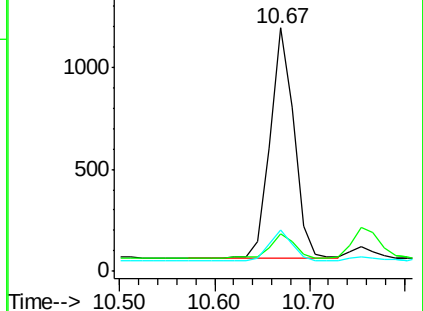
127 16.8 9.6 14.4#



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: 0.00 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004765.D

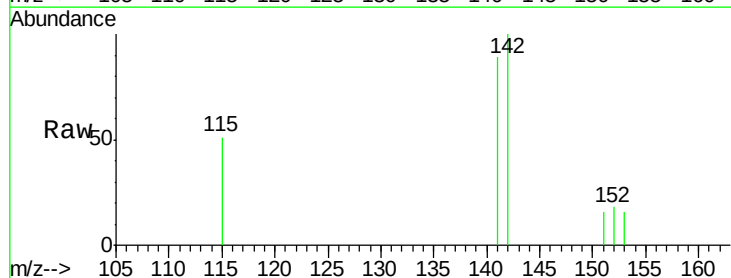
Acq: 25 Mar 2016 00:26

Tgt Ion:142 Resp: 453

Ion Ratio Lower Upper

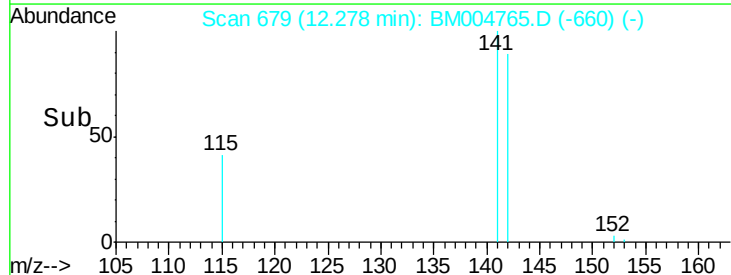
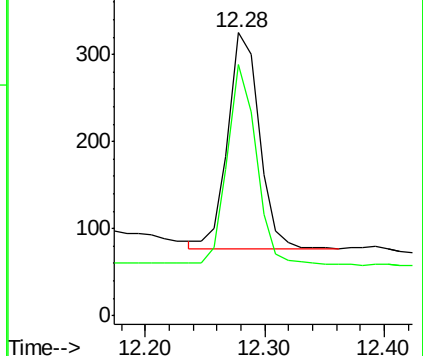
142 100

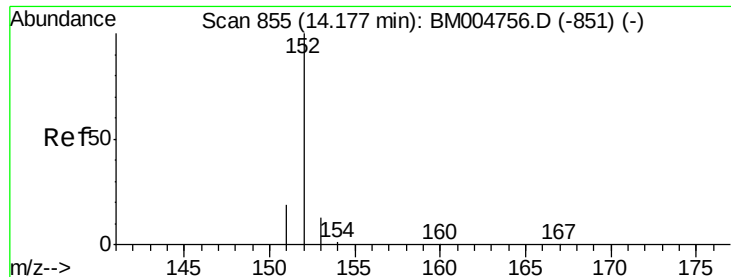
141 86.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

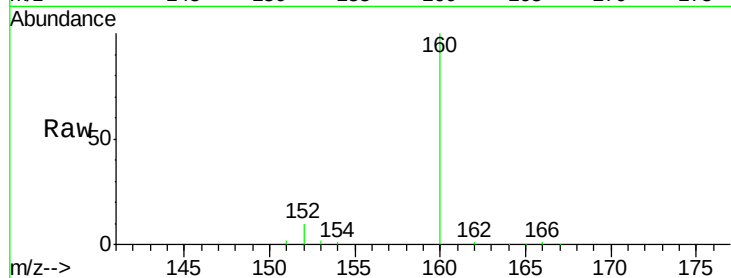
Tgt Ion:152 Resp: 2092

Ion Ratio Lower Upper

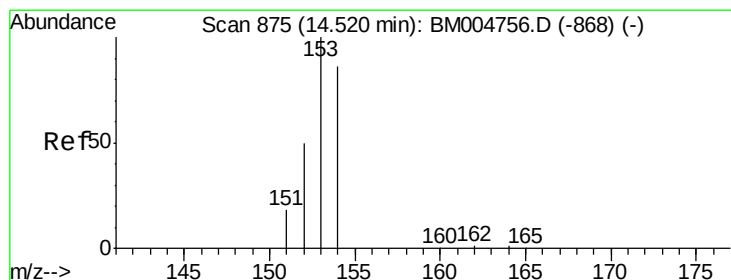
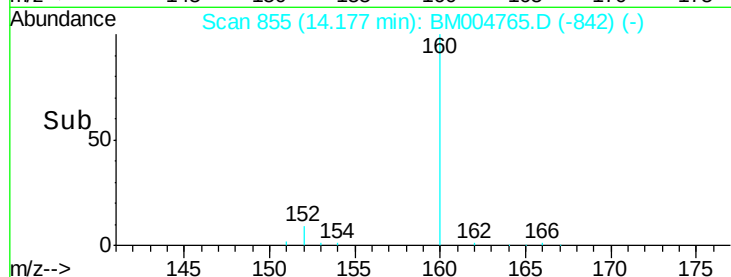
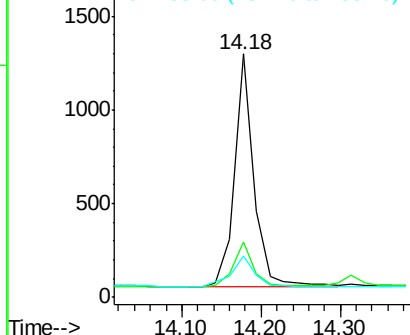
152 100

151 23.0 17.6 26.4

153 17.0 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: 0.46 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

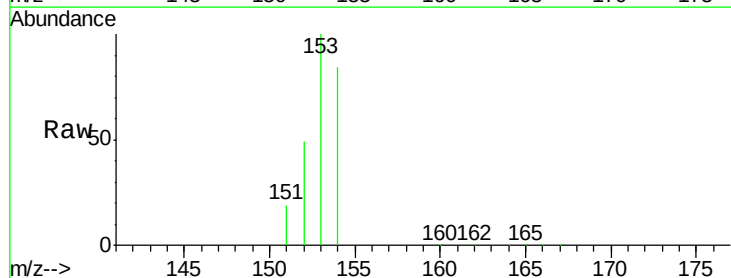
Tgt Ion:153 Resp: 243402

Ion Ratio Lower Upper

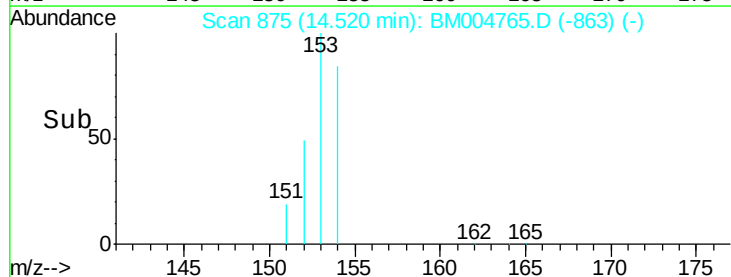
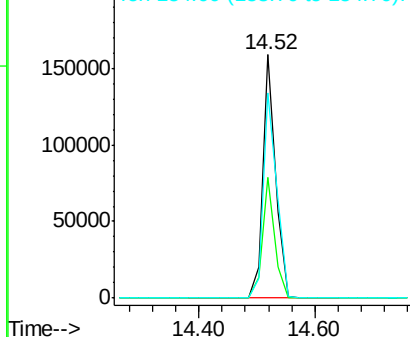
153 100

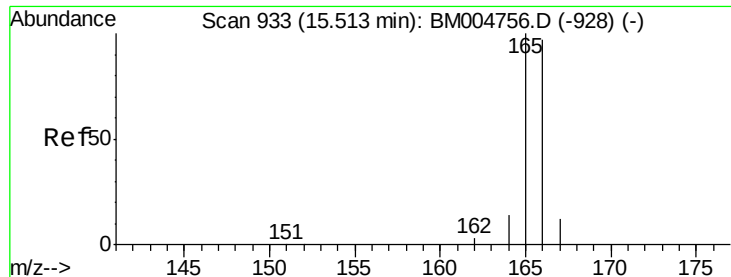
152 49.4 33.9 50.9

154 84.5 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: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

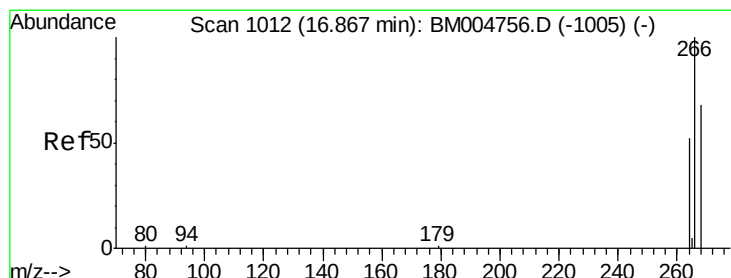
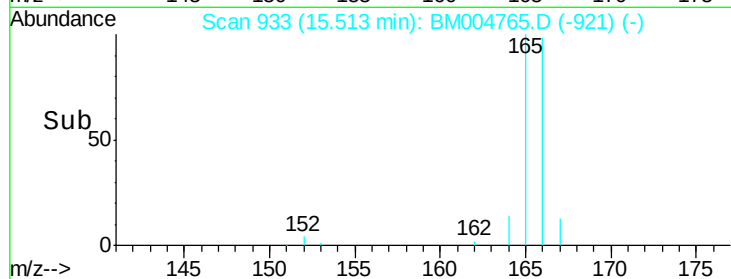
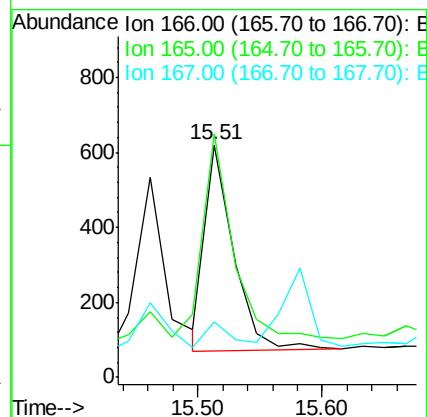
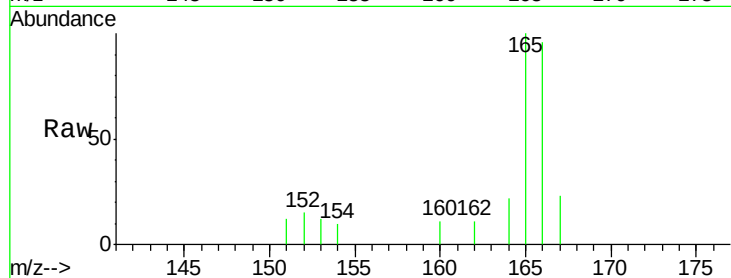
Tgt Ion:166 Resp: 867

Ion Ratio Lower Upper

166 100

165 104.7 69.6 104.4#

167 23.9 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.96 ng/ul

RT: 16.87 min Scan# 1012

Delta R.T. 0.00 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

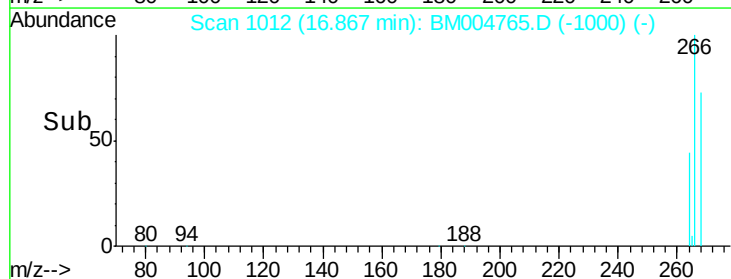
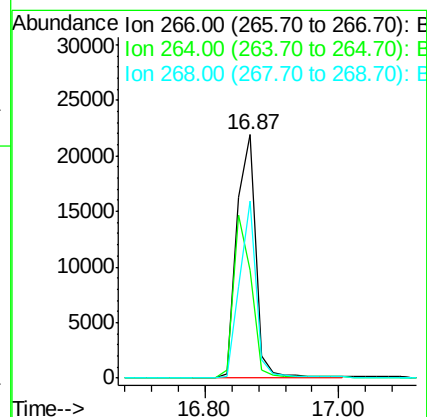
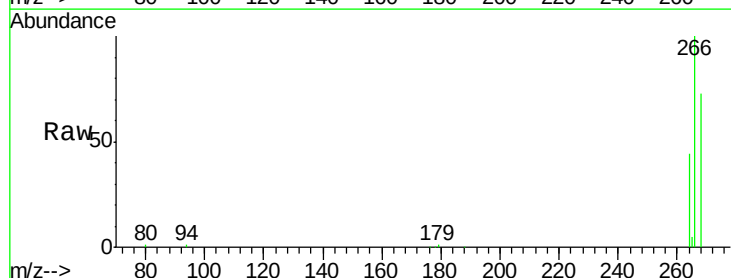
Tgt Ion:266 Resp: 42782

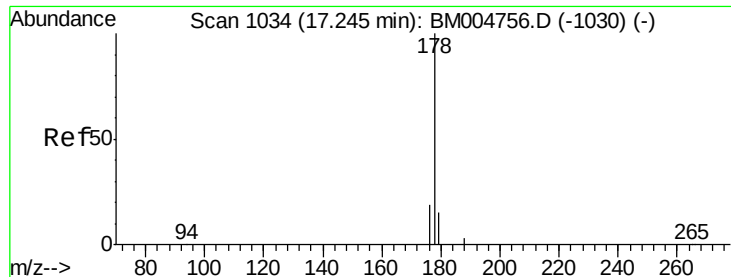
Ion Ratio Lower Upper

266 100

264 63.5 51.8 77.8

268 63.8 46.8 70.2





#14

Phenanthrene

Concen: 0.02 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

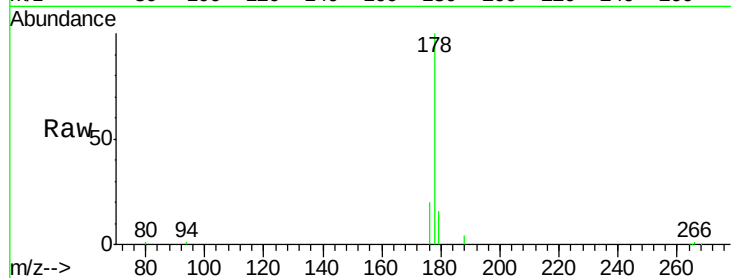
Tgt Ion:178 Resp: 21056

Ion Ratio Lower Upper

178 100

176 19.9 13.0 19.4#

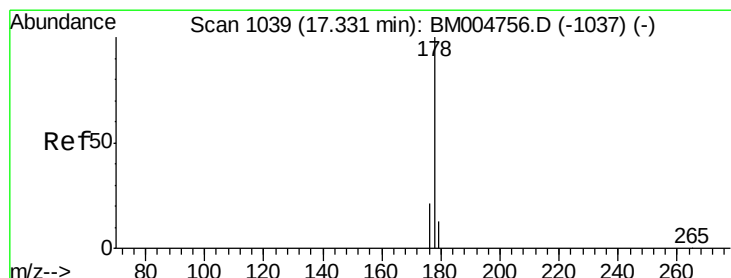
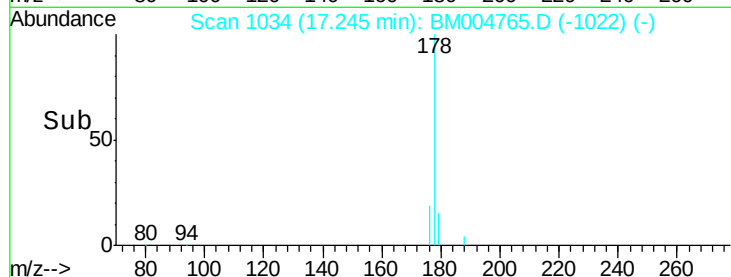
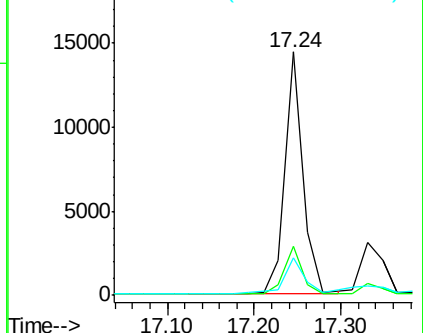
179 15.5 14.2 21.2



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: 0.03 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.09 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

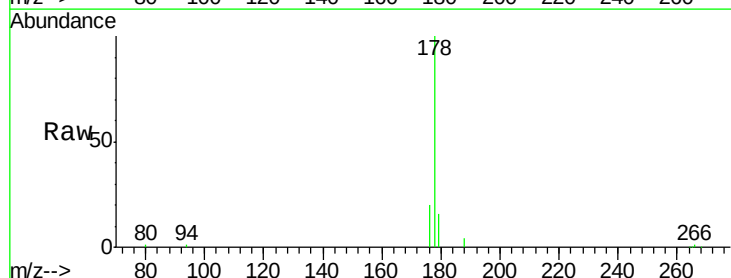
Tgt Ion:178 Resp: 21009

Ion Ratio Lower Upper

178 100

176 19.9 14.0 21.0

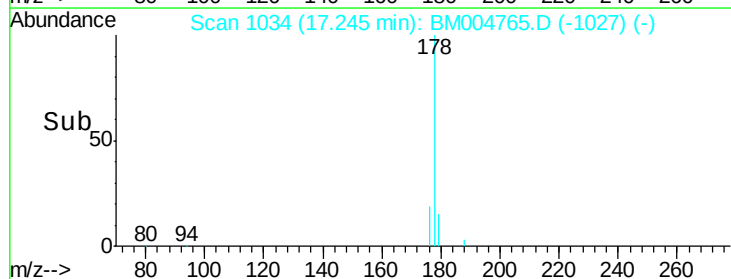
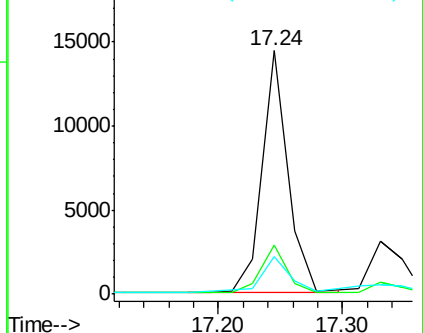
179 15.5 12.9 19.3

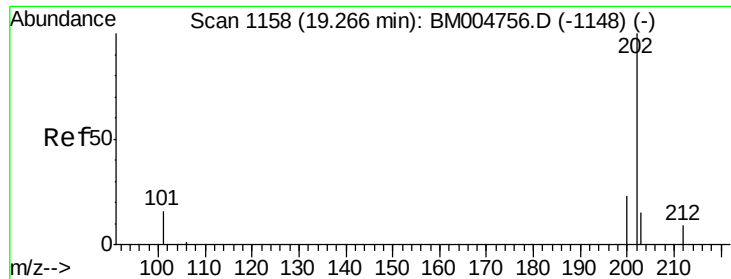


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

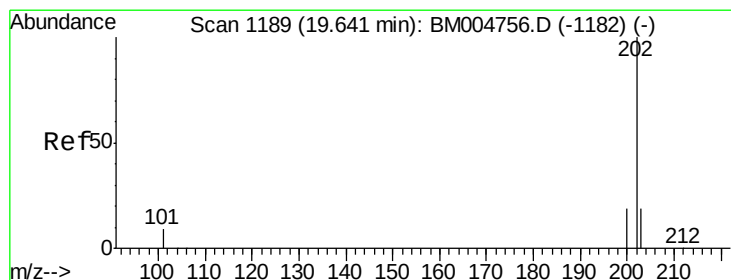
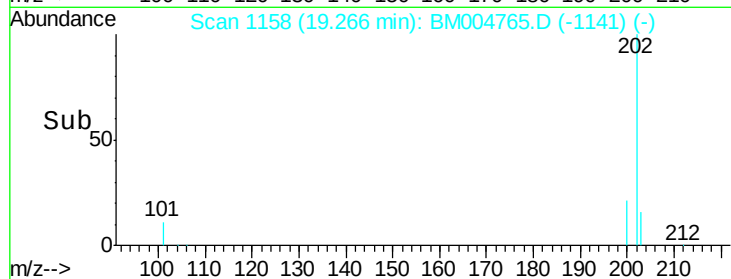
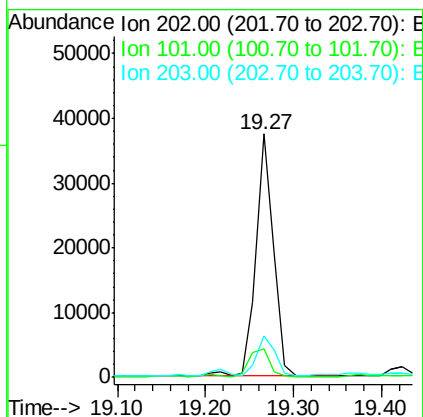
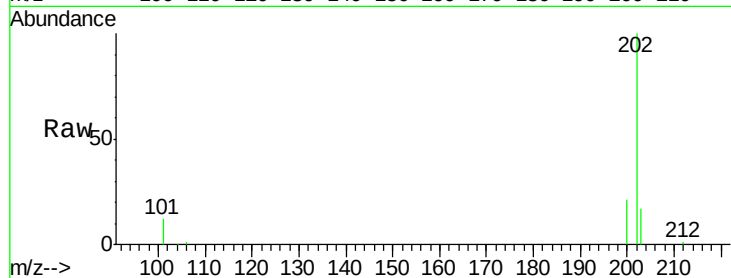




#17
Fluoranthene
 Concen: 0.06 ng/ul
 RT: 19.27 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: BM004765.D
 Acq: 25 Mar 2016 00:26

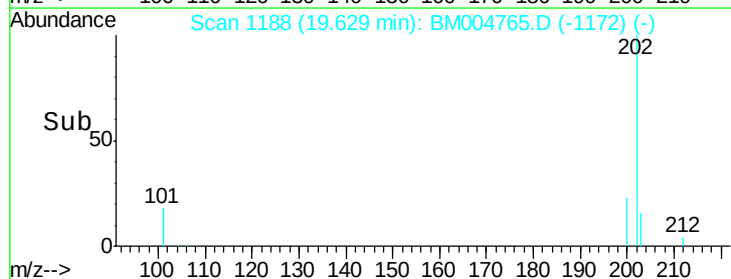
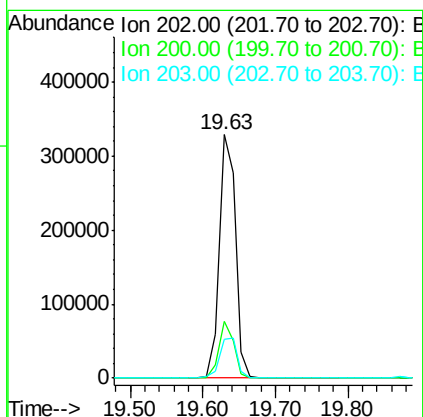
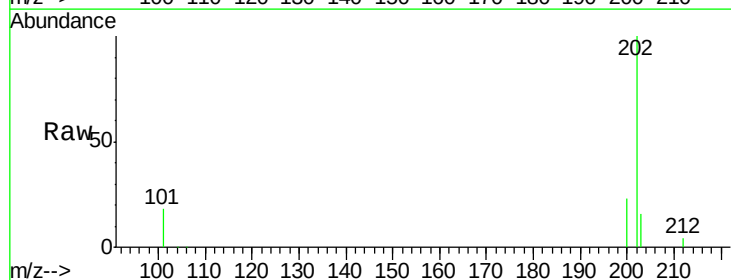
Instrument :
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 A4T45MSD

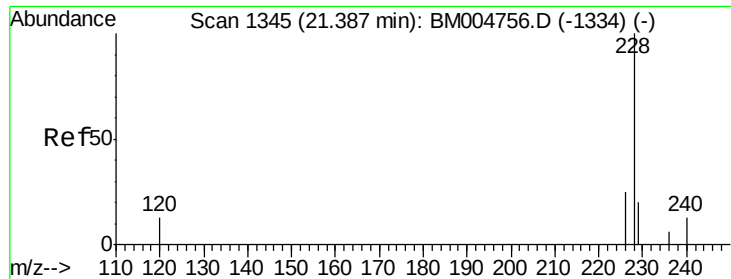
Tgt Ion:202 Resp: 51617
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 29.6
 203 17.0 0.0 36.3



#19
Pyrene
 Concen: 0.58 ng/ul
 RT: 19.63 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BM004765.D
 Acq: 25 Mar 2016 00:26

Tgt Ion:202 Resp: 512773
 Ion Ratio Lower Upper
 202 100
 200 23.0 17.8 26.8
 203 15.8 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

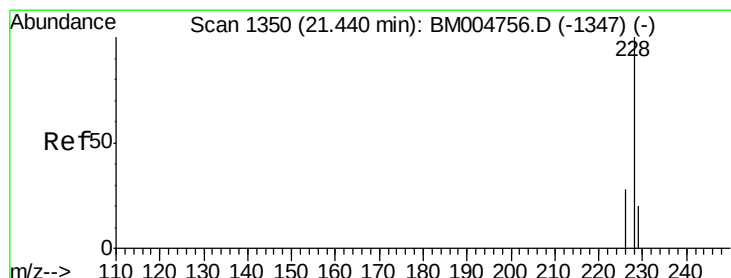
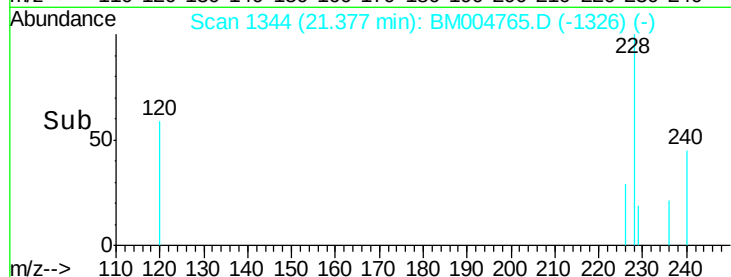
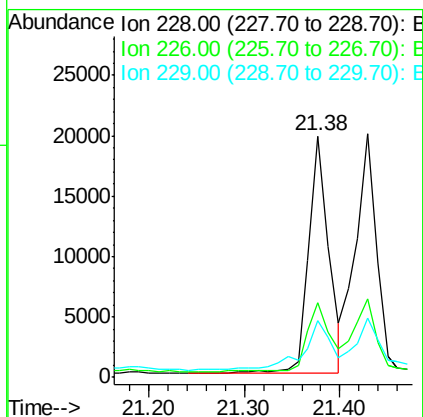
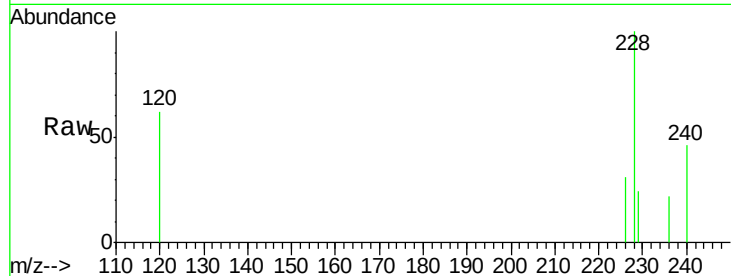
Tgt Ion:228 Resp: 28472

Ion Ratio Lower Upper

228 100

226 31.0 18.8 28.2#

229 23.6 17.1 25.7



#21

Chrysene

Concen: 0.03 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.06 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

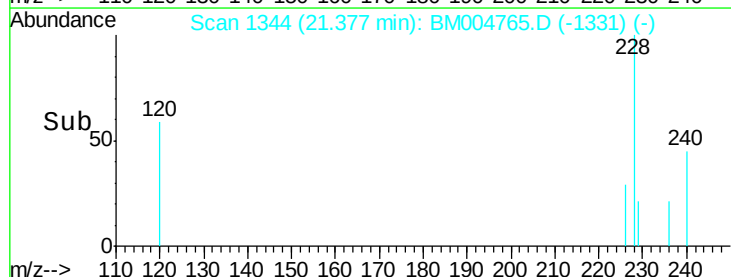
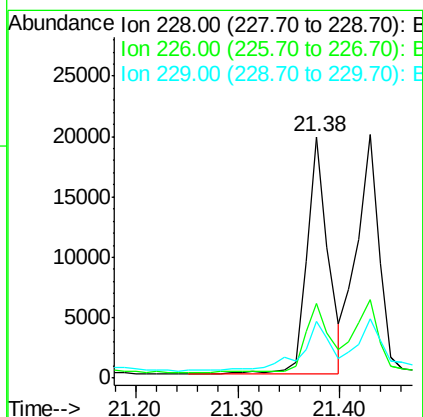
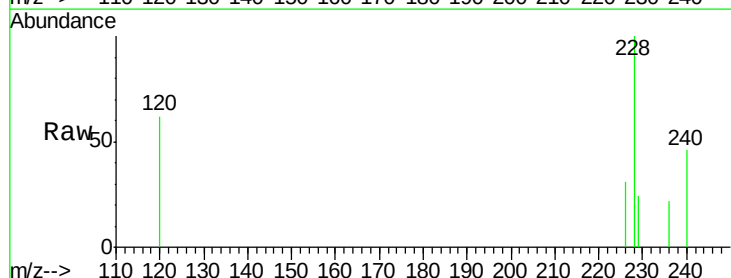
Tgt Ion:228 Resp: 28210

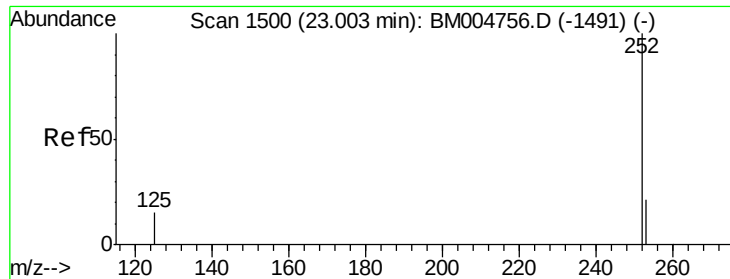
Ion Ratio Lower Upper

228 100

226 31.0 21.2 31.8

229 23.6 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.09 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

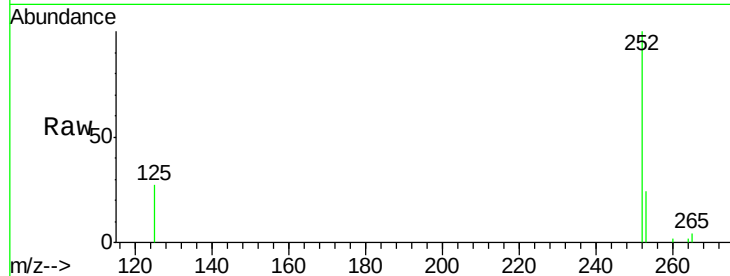
Tgt Ion:252 Resp: 74156

Ion Ratio Lower Upper

252 100

253 24.3 0.0 45.4

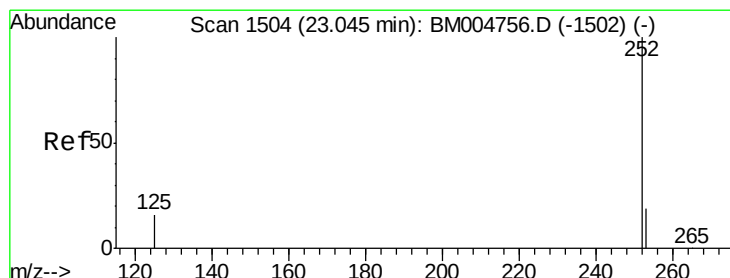
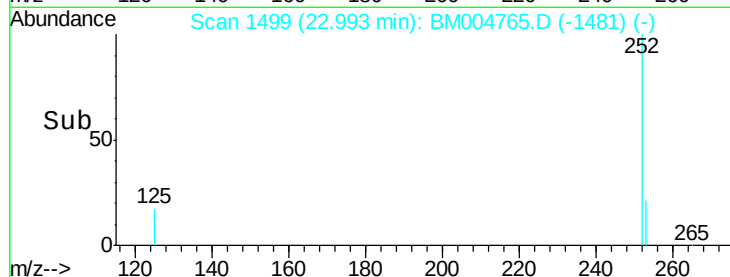
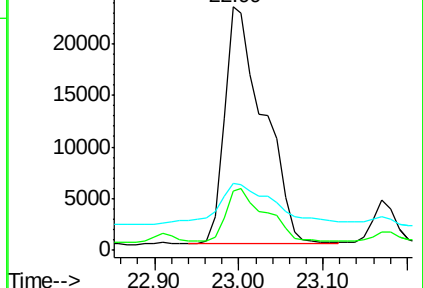
125 27.5 0.0 28.8



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: 0.09 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.05 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

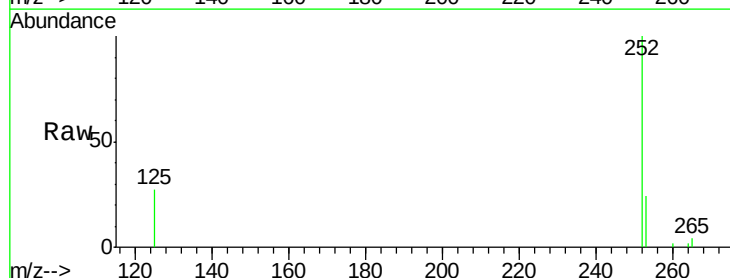
Tgt Ion:252 Resp: 74156

Ion Ratio Lower Upper

252 100

253 24.3 19.8 29.8

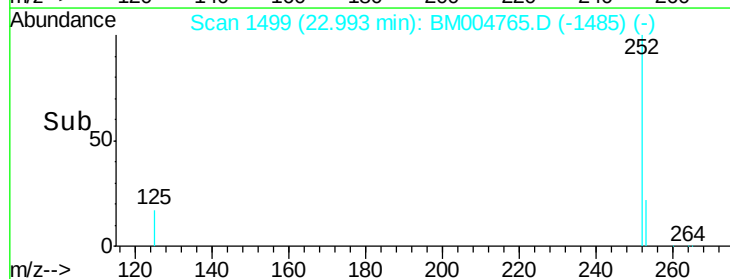
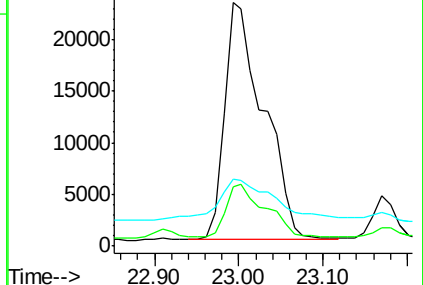
125 27.5 10.4 15.6#

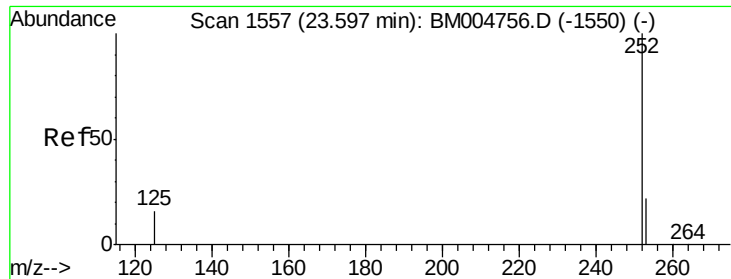


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.59 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

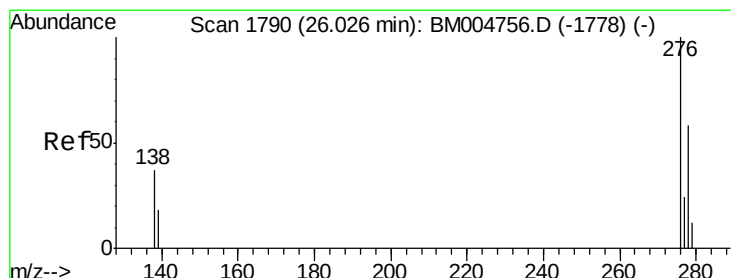
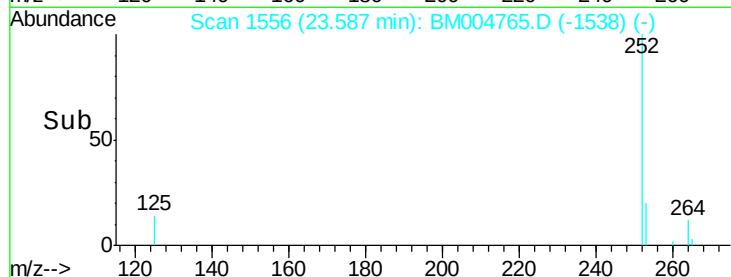
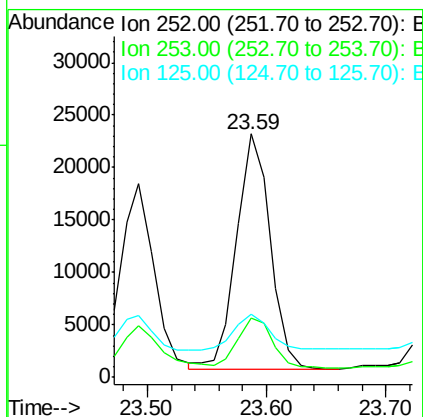
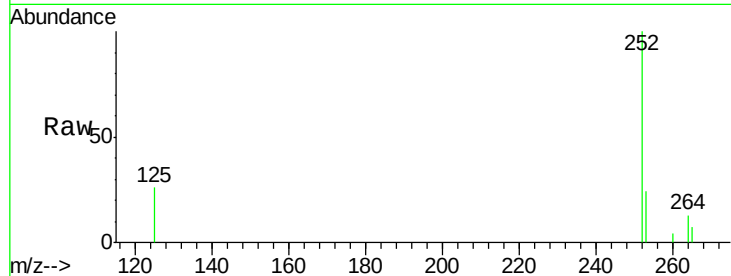
Tgt Ion: 252 Resp: 44240

Ion Ratio Lower Upper

252 100

253 24.4 19.4 29.2

125 26.1 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 26.02 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

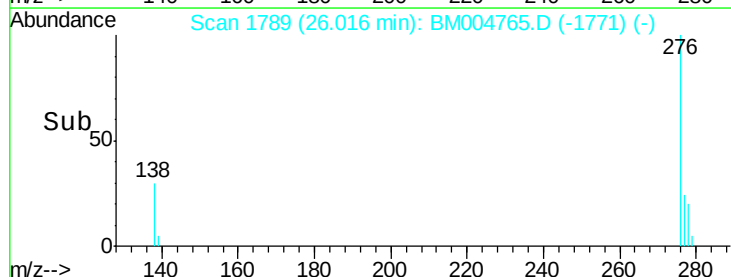
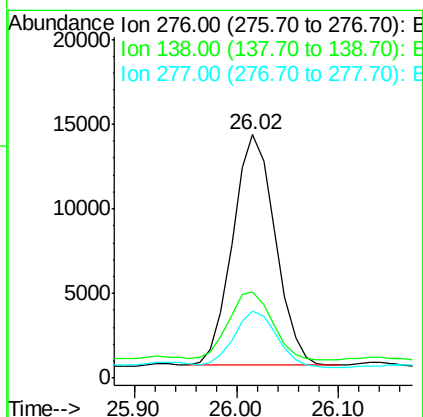
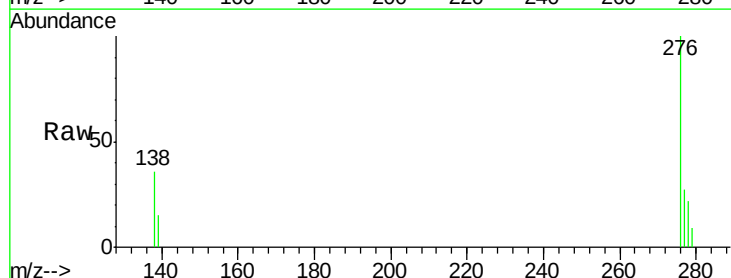
Tgt Ion: 276 Resp: 39457

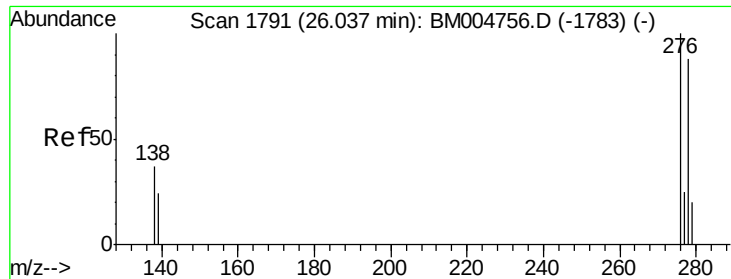
Ion Ratio Lower Upper

276 100

138 30.7 16.3 24.5#

277 24.4 19.8 29.8





#27

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 26.03 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

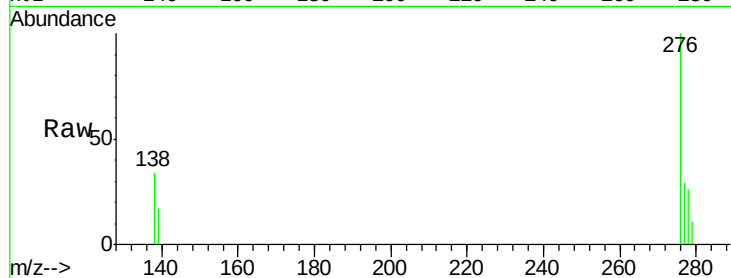
Tgt Ion: 278 Resp: 10062

Ion Ratio Lower Upper

278 100

139 63.0 16.4 24.6#

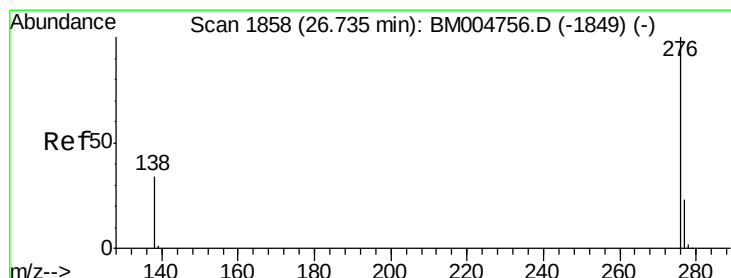
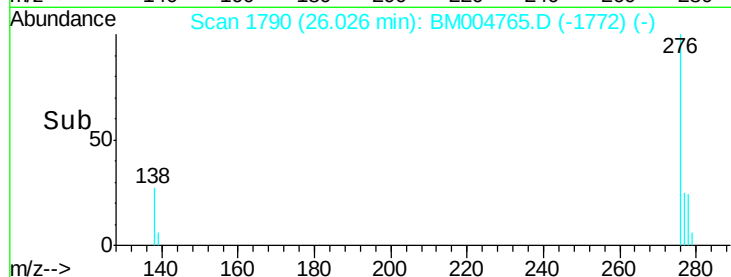
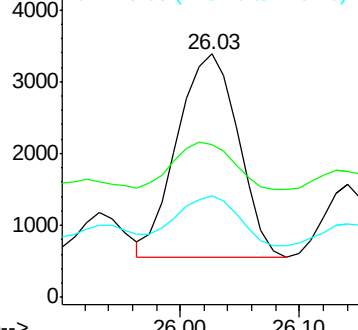
279 41.5 20.2 30.2#



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



#28

Benzo(g,h,i)perylene

Concen: 0.07 ng/ul

RT: 26.74 min Scan# 1858

Delta R.T. 0.00 min

Lab File: BM004765.D

Acq: 25 Mar 2016 00:26

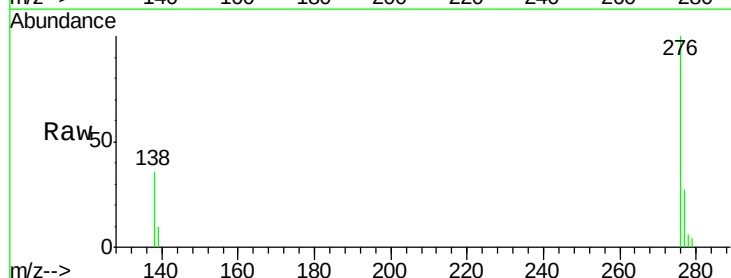
Tgt Ion: 276 Resp: 48525

Ion Ratio Lower Upper

276 100

277 26.5 18.9 28.3

138 35.8 22.5 33.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

