

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004764.D
 Acq On : 24 Mar 2016 23:49
 Operator : UM/SJ
 Sample : H1909-10MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T45MS

Quant Time: Mar 25 03:22:27 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	84932	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	339450	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	166250	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	344448	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	268479	5.00	ng/ul	-0.01
22) Perylene-d12	23.69	264	241584	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	5649	0.14	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	2019	0.01	ng/ul	-0.01
16) Fluoranthene-d10	19.24	212	4100	0.01	ng/ul	0.00

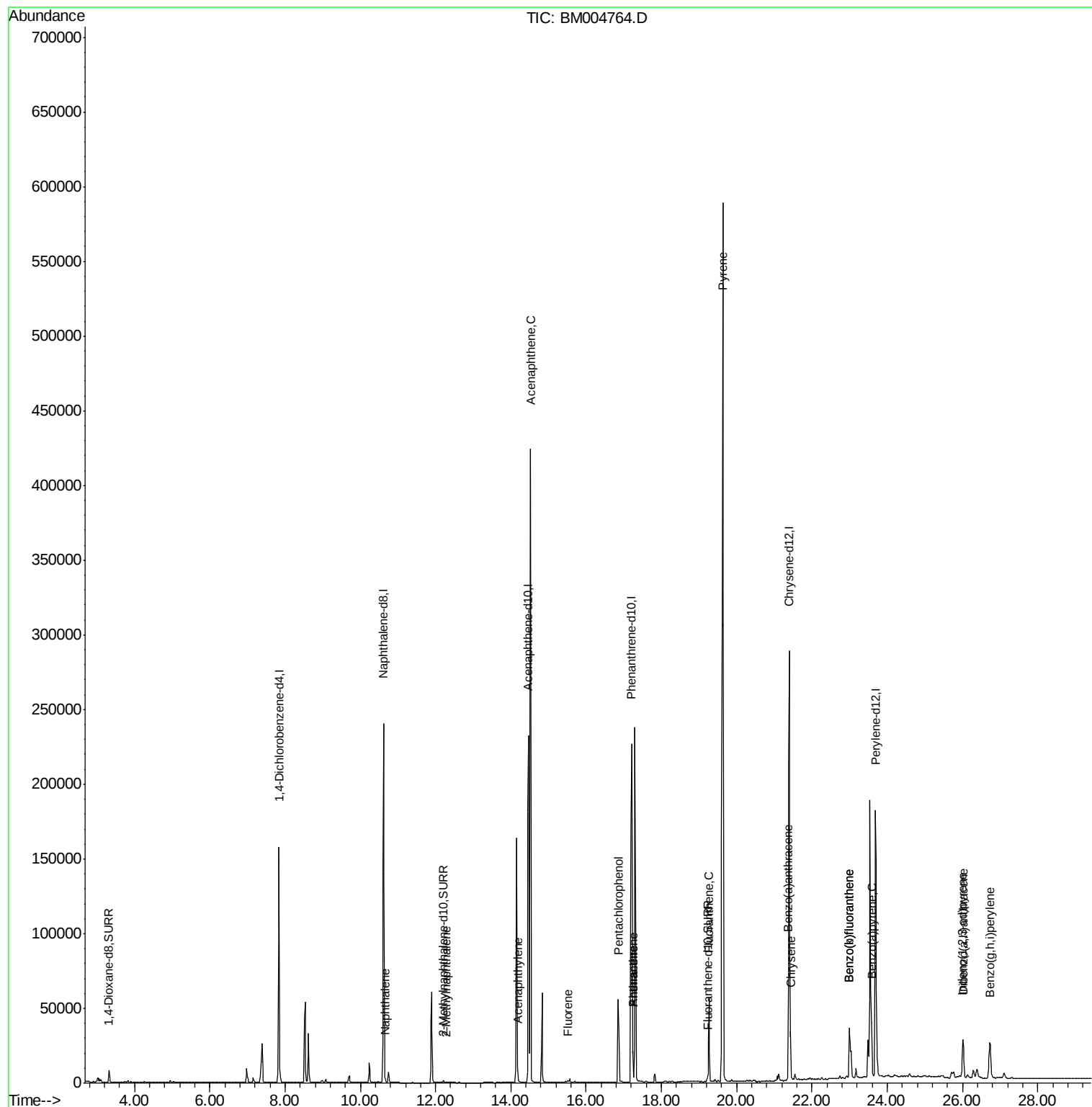
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	2046	0.00	ng/ul#	90
7) 2-Methylnaphthalene	12.28	142	470	0.00	ng/ul	97
9) Acenaphthylene	14.18	152	2123	0.00	ng/ul#	95
10) Acenaphthene	14.52	153	248201	0.45	ng/ul	89
11) Fluorene	15.51	166	931	0.00	ng/ul#	86
13) Pentachlorophenol	16.85	266	42032	0.91	ng/ul	97
14) Phenanthrene	17.24	178	21513	0.02	ng/ul	95
15) Anthracene	17.24	178	21479	0.03	ng/ul	98
17) Fluoranthene	19.27	202	53242	0.05	ng/ul	98
19) Pyrene	19.63	202	537217	0.57	ng/ul	99
20) Benzo(a)anthracene	21.38	228	30618	0.05	ng/ul#	93
21) Chrysene	21.43	228	31369	0.04	ng/ul	94
23) Benzo(b)fluoranthene	22.99	252	78622	0.09	ng/ul	94
24) Benzo(k)fluoranthene	22.99	252	78622	0.09	ng/ul#	93
25) Benzo(a)pyrene	23.59	252	45753	0.06	ng/ul#	96
26) Indeno(1,2,3-cd)pyrene	26.01	276	40912	0.05	ng/ul#	89
27) Dibenzo(a,h)anthracene	26.02	278	10178	0.02	ng/ul#	59
28) Benzo(g,h,i)perylene	26.72	276	50605	0.07	ng/ul#	91

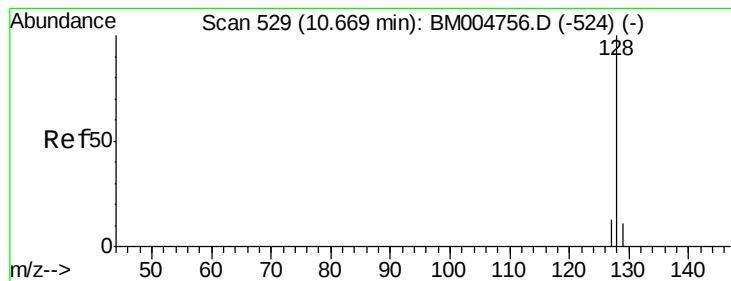
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM004764.D

Acq: 24 Mar 2016 23:49

Instrument :

BNA_M

ClientSampleId :

A4T45MS

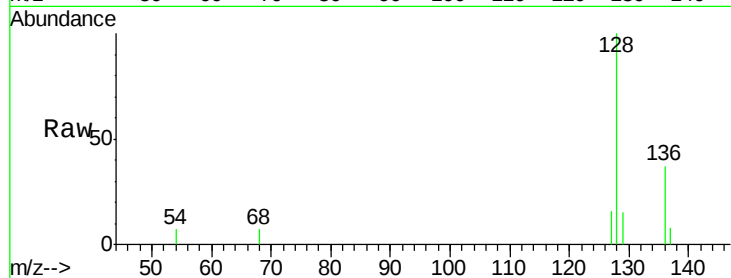
Tgt Ion:128 Resp: 2046

Ion Ratio Lower Upper

128 100

129 15.1 9.0 13.6#

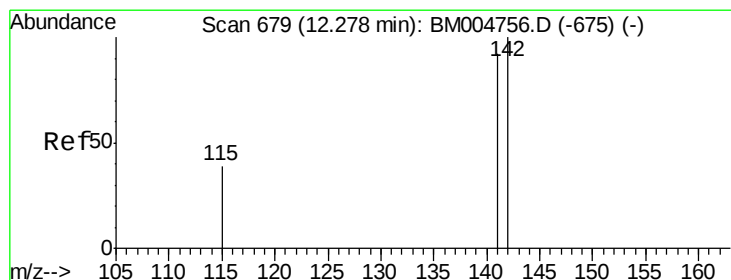
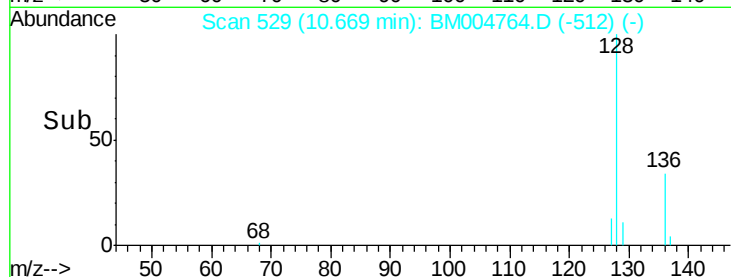
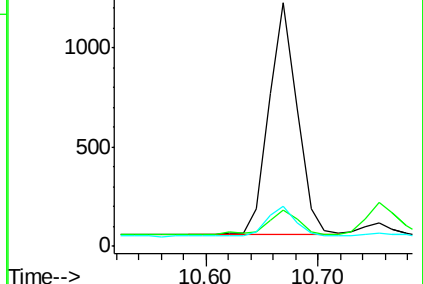
127 16.3 9.6 14.4#



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: 0.00 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004764.D

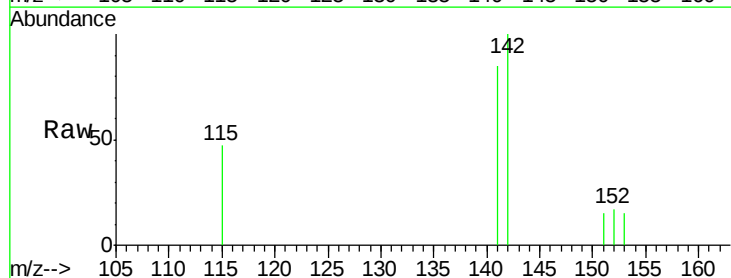
Acq: 24 Mar 2016 23:49

Tgt Ion:142 Resp: 470

Ion Ratio Lower Upper

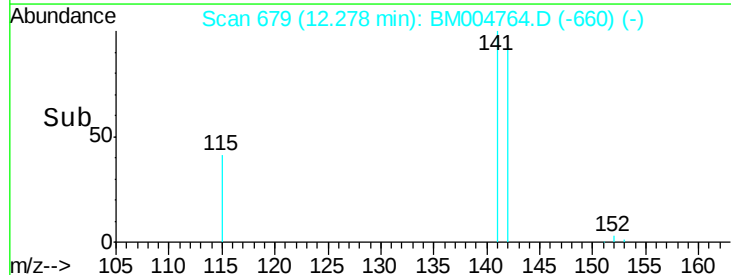
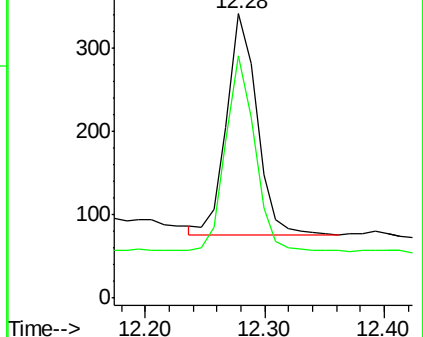
142 100

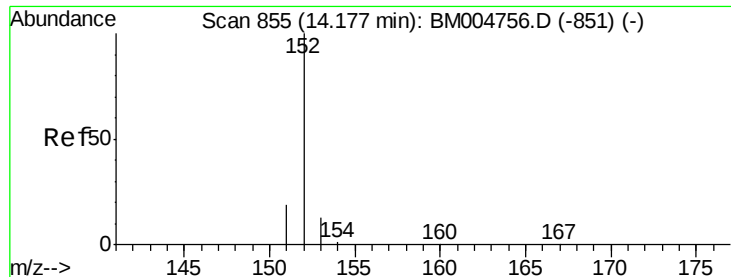
141 85.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004764.D

Acq: 24 Mar 2016 23:49

Instrument :

BNA_M

ClientSampleId :

A4T45MS

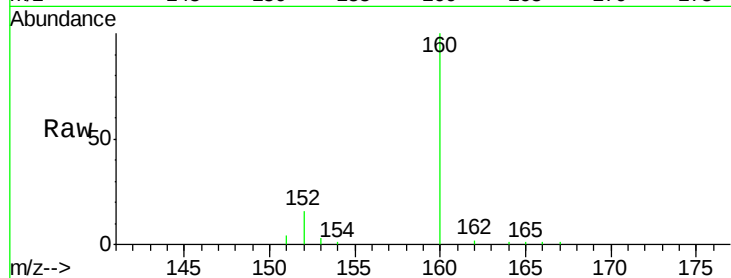
Tgt Ion:152 Resp: 2123

Ion Ratio Lower Upper

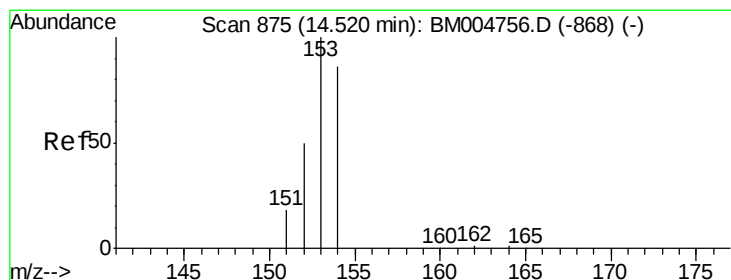
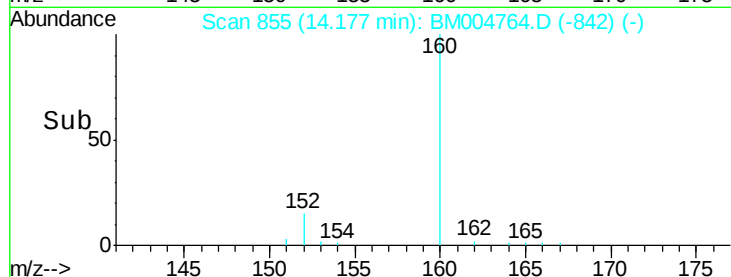
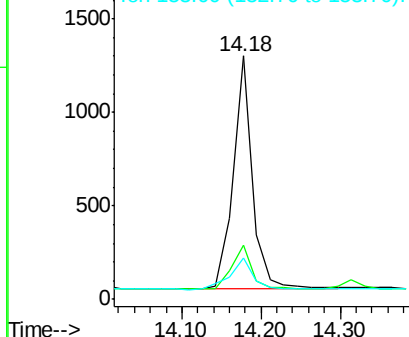
152 100

151 22.4 17.6 26.4

153 17.2 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: 0.45 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004764.D

Acq: 24 Mar 2016 23:49

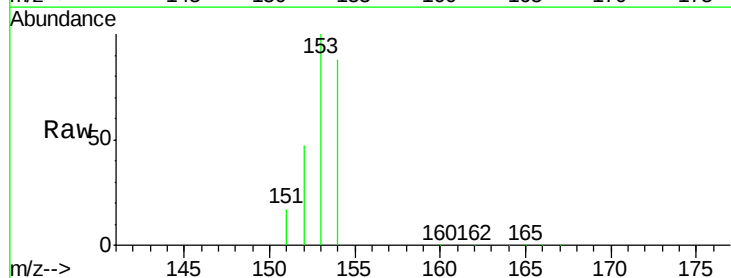
Tgt Ion:153 Resp: 248201

Ion Ratio Lower Upper

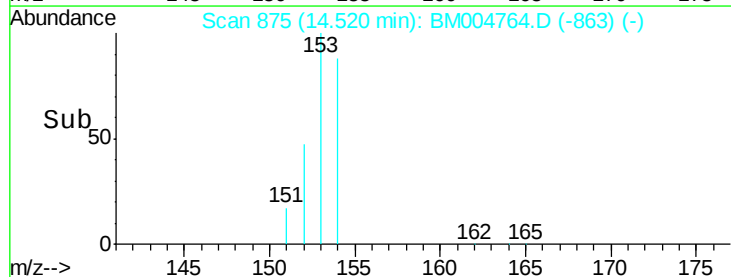
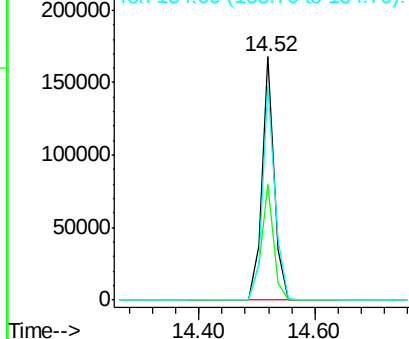
153 100

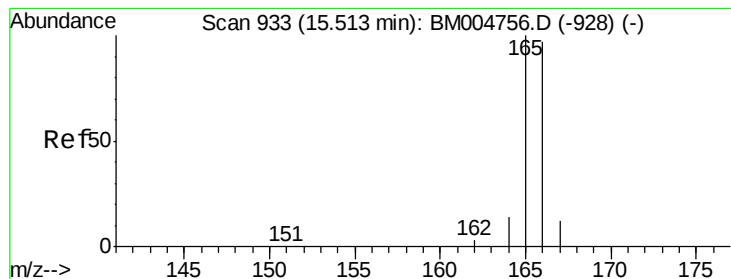
152 47.3 33.9 50.9

154 87.8 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: BM004764.D

Acq: 24 Mar 2016 23:49

Instrument :

BNA_M

ClientSampleId :

A4T45MS

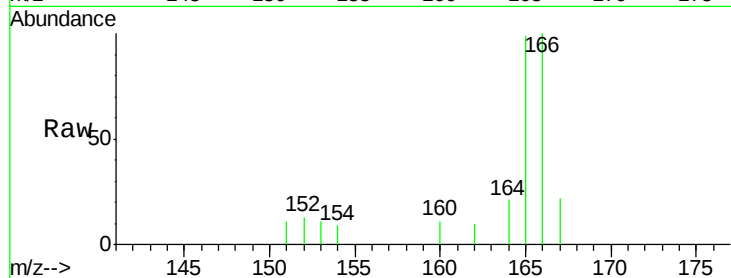
Tgt Ion:166 Resp: 931

Ion Ratio Lower Upper

166 100

165 99.2 69.6 104.4

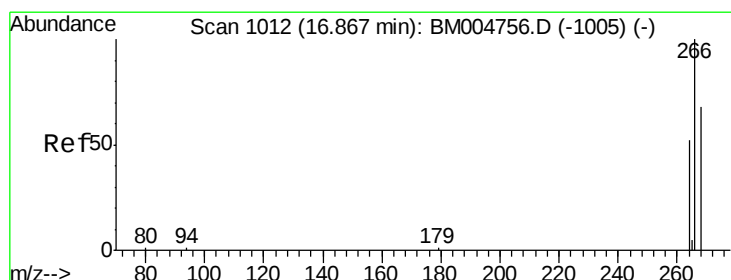
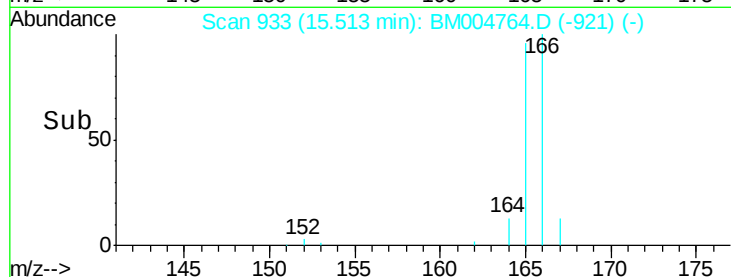
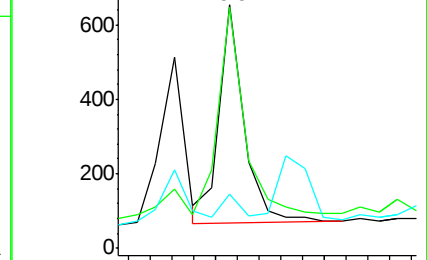
167 22.5 11.9 17.9#



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: 0.91 ng/ul

RT: 16.85 min Scan# 1011

Delta R.T. -0.02 min

Lab File: BM004764.D

Acq: 24 Mar 2016 23:49

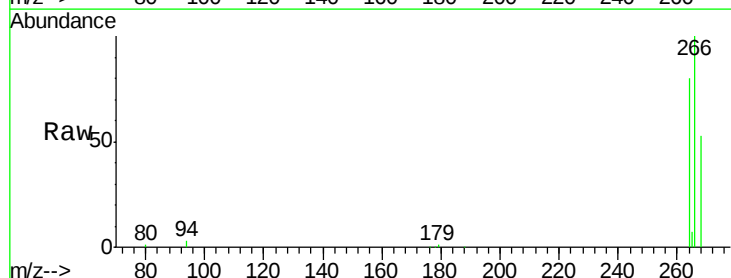
Tgt Ion:266 Resp: 42032

Ion Ratio Lower Upper

266 100

264 65.2 51.8 77.8

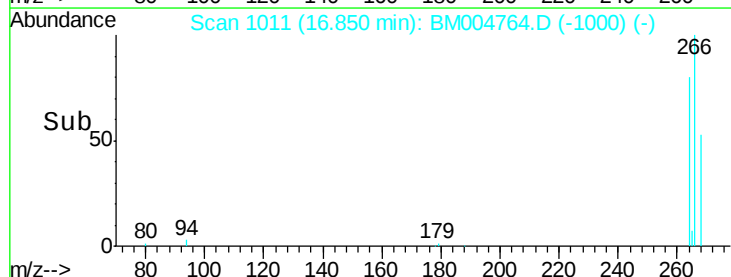
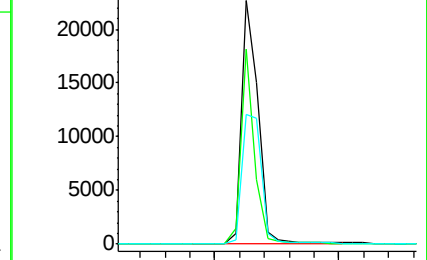
268 62.9 46.8 70.2

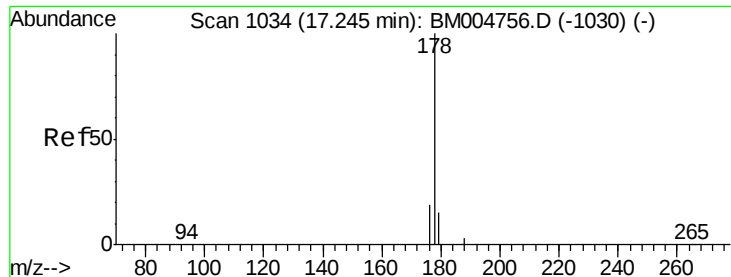


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.02 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM004764.D

Acq: 24 Mar 2016 23:49

Instrument :

BNA_M

ClientSampleId :

A4T45MS

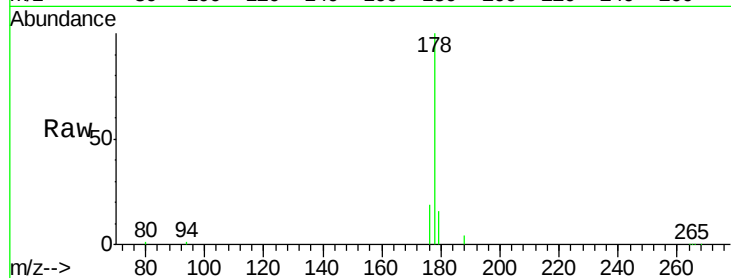
Tgt Ion:178 Resp: 21513

Ion Ratio Lower Upper

178 100

176 18.9 13.0 19.4

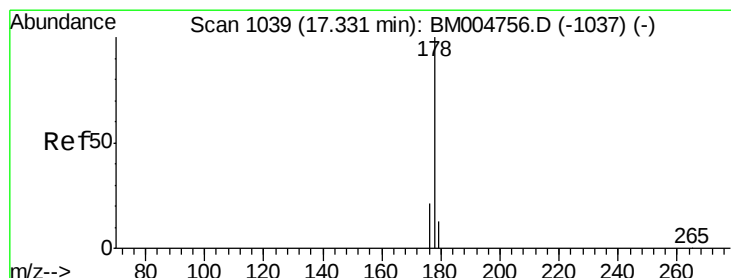
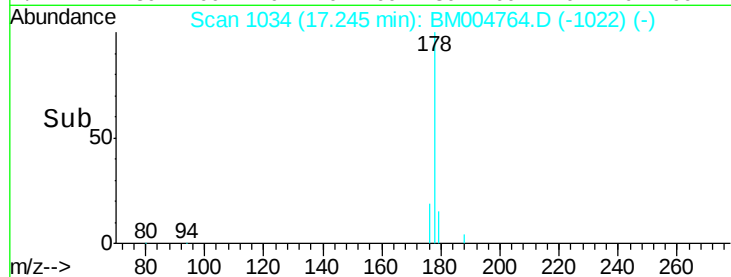
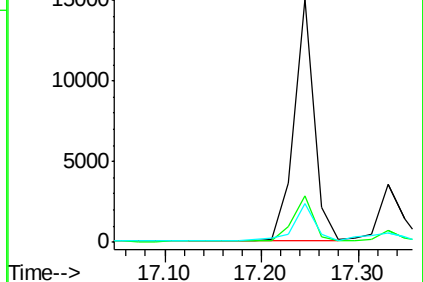
179 15.8 14.2 21.2



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: BM004764.D

Acq: 24 Mar 2016 23:49

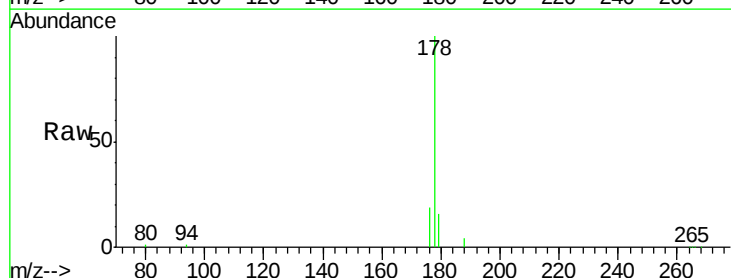
Tgt Ion:178 Resp: 21479

Ion Ratio Lower Upper

178 100

176 18.9 14.0 21.0

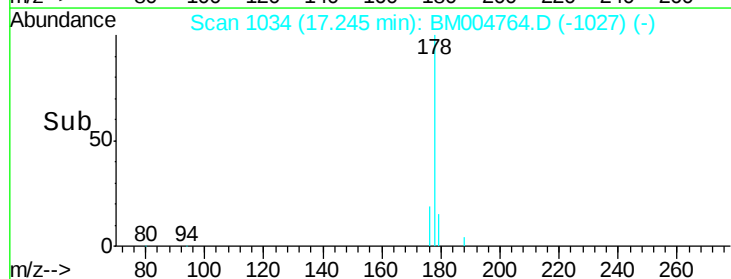
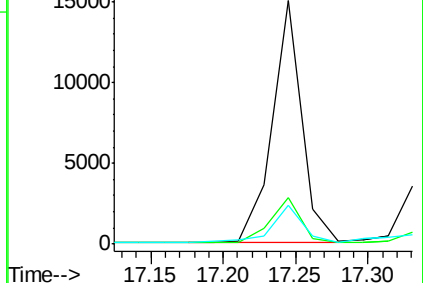
179 15.8 12.9 19.3

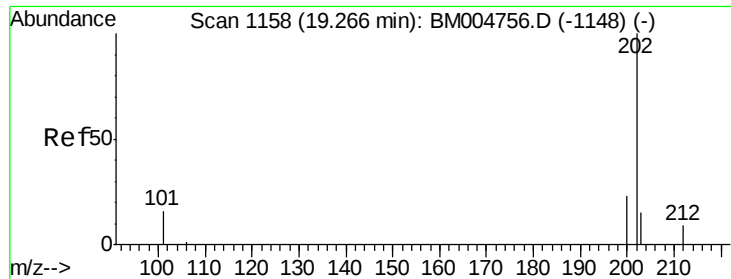


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

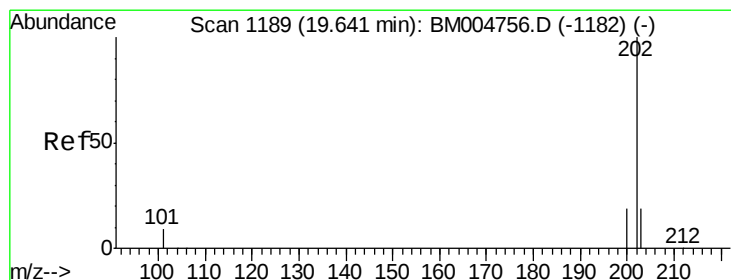
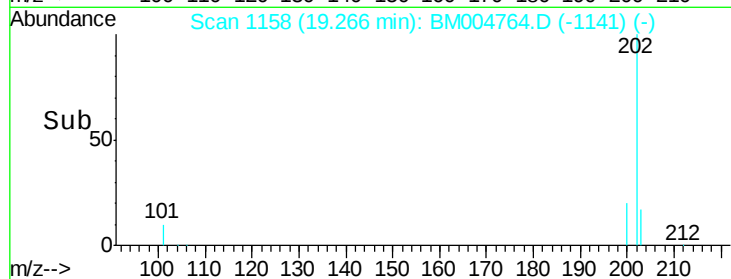
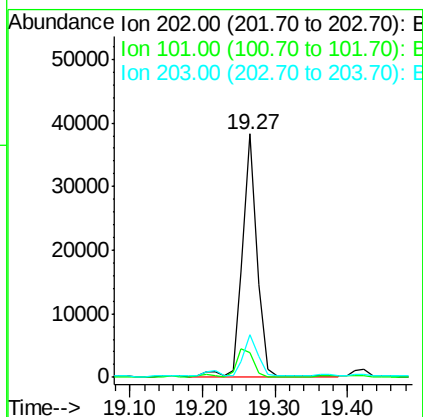
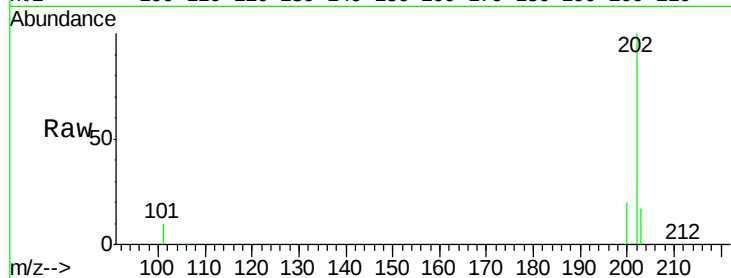




#17
Fluoranthene
 Concen: 0.05 ng/ul
 RT: 19.27 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: BM004764.D
 Acq: 24 Mar 2016 23:49

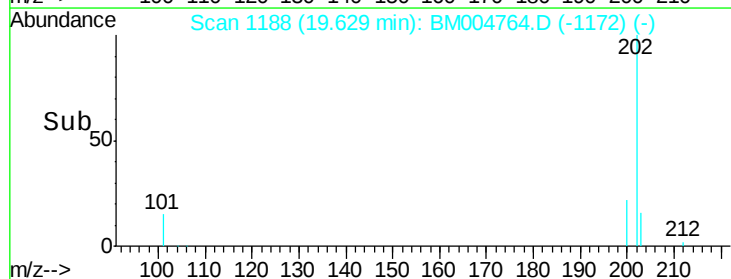
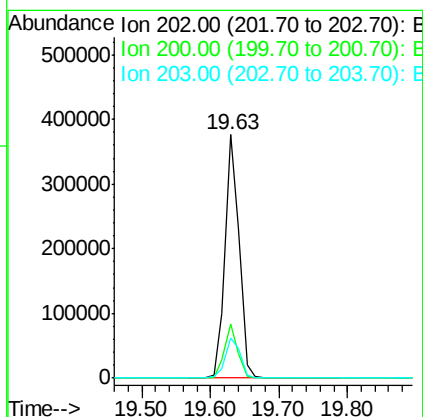
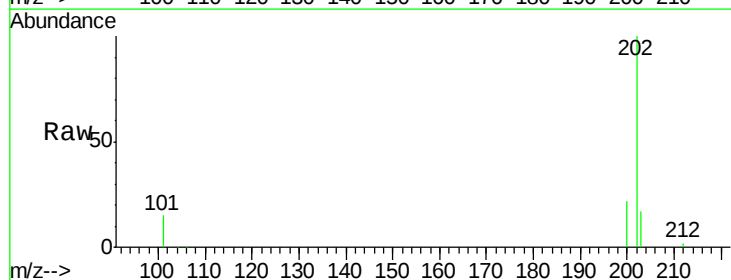
Instrument :
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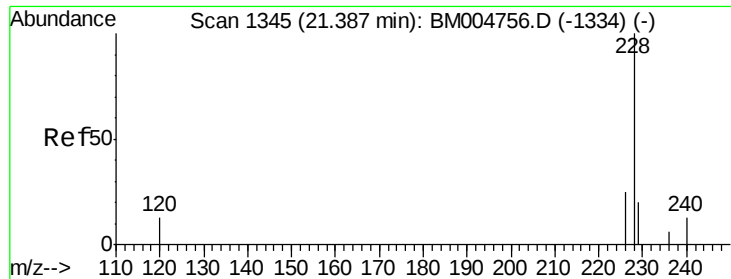
Tgt Ion:202 Resp: 53242
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 29.6
 203 17.5 0.0 36.3



#19
Pyrene
 Concen: 0.57 ng/ul
 RT: 19.63 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BM004764.D
 Acq: 24 Mar 2016 23:49

Tgt Ion:202 Resp: 537217
 Ion Ratio Lower Upper
 202 100
 200 22.2 17.8 26.8
 203 16.5 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: BM004764.D

Acq: 24 Mar 2016 23:49

Instrument :

BNA_M

ClientSampleId :

A4T45MS

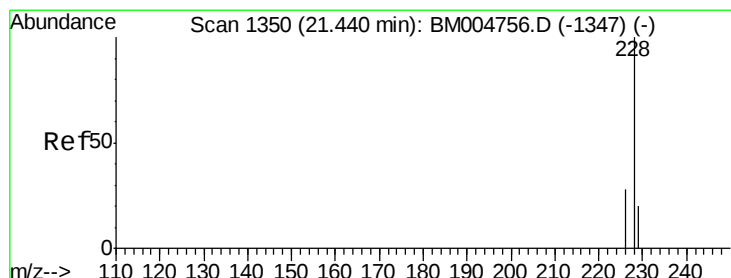
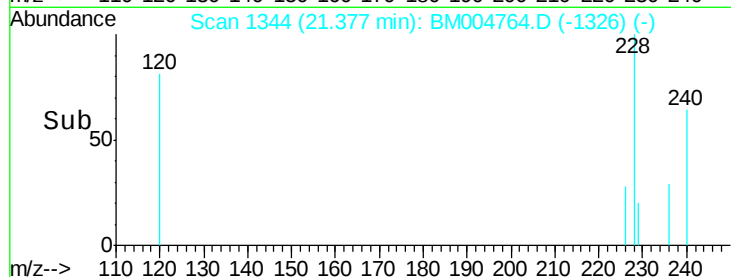
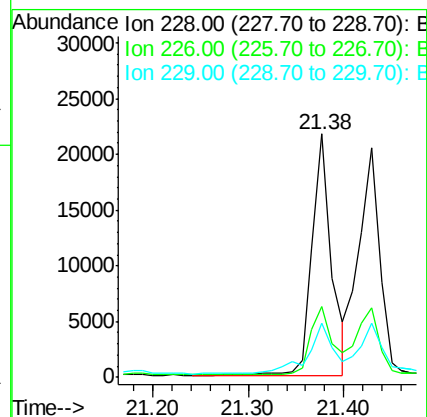
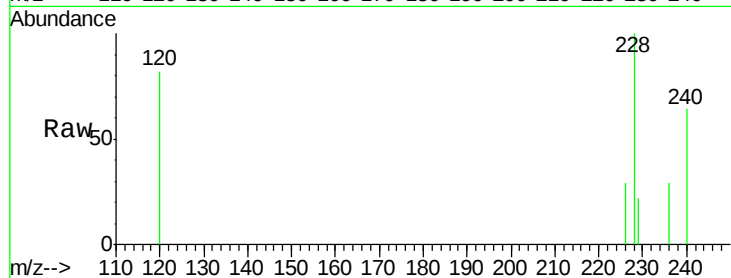
Tgt Ion:228 Resp: 30618

Ion Ratio Lower Upper

228 100

226 29.0 18.8 28.2#

229 22.4 17.1 25.7



#21

Chrysene

Concen: 0.04 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BM004764.D

Acq: 24 Mar 2016 23:49

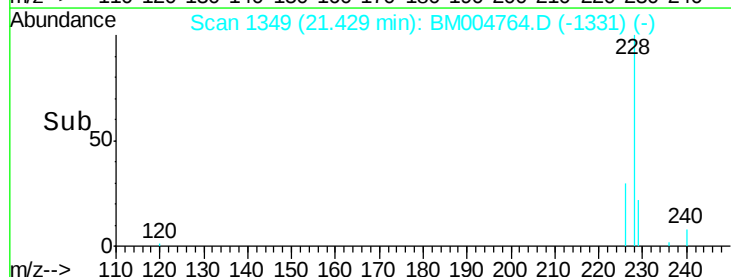
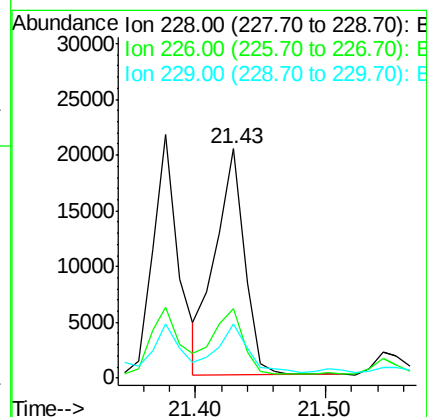
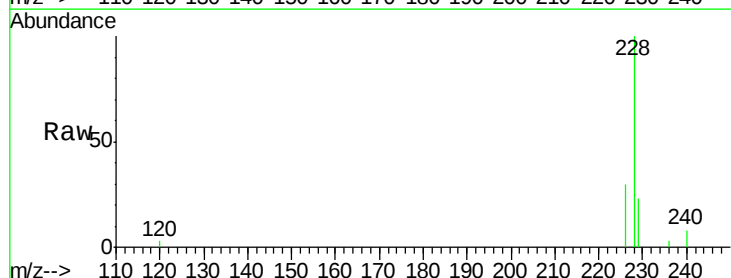
Tgt Ion:228 Resp: 31369

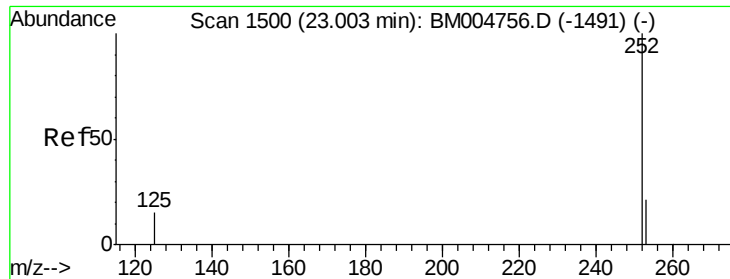
Ion Ratio Lower Upper

228 100

226 30.4 21.2 31.8

229 23.4 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.09 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM004764.D

Acq: 24 Mar 2016 23:49

Instrument :

BNA_M

ClientSampleId :

A4T45MS

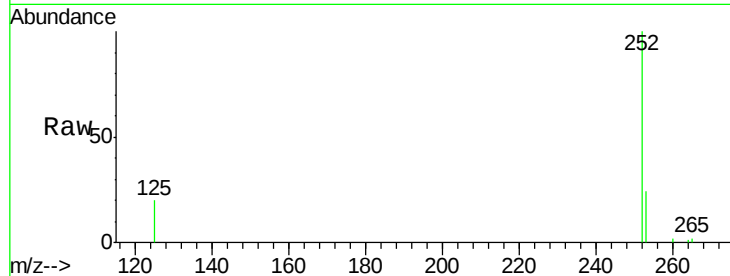
Tgt Ion:252 Resp: 78622

Ion Ratio Lower Upper

252 100

253 23.8 0.0 45.4

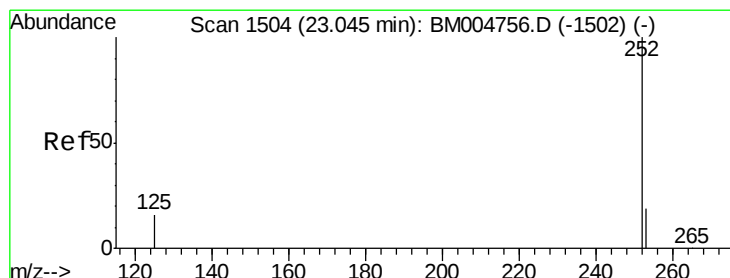
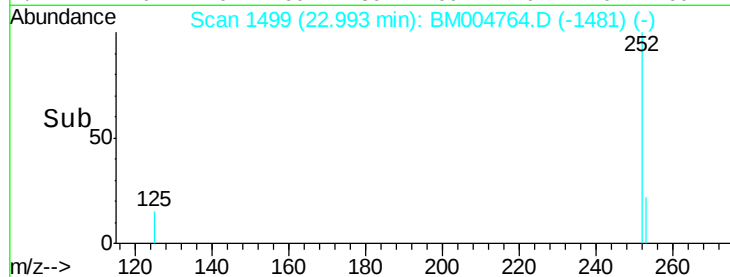
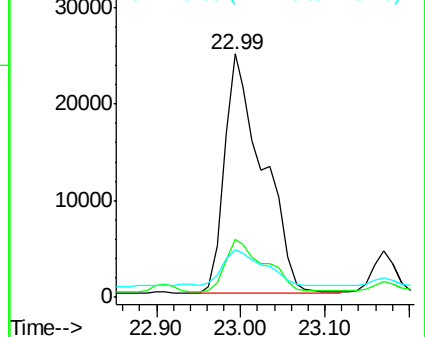
125 19.6 0.0 28.8



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: 0.09 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.05 min

Lab File: BM004764.D

Acq: 24 Mar 2016 23:49

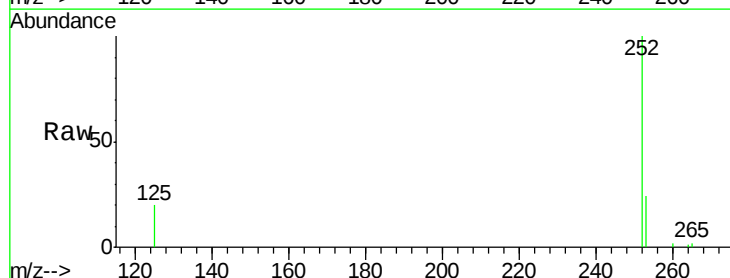
Tgt Ion:252 Resp: 78622

Ion Ratio Lower Upper

252 100

253 23.8 19.8 29.8

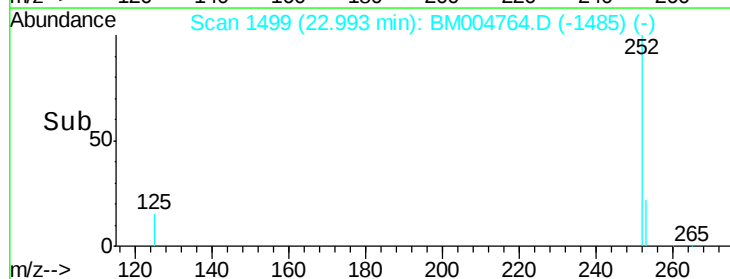
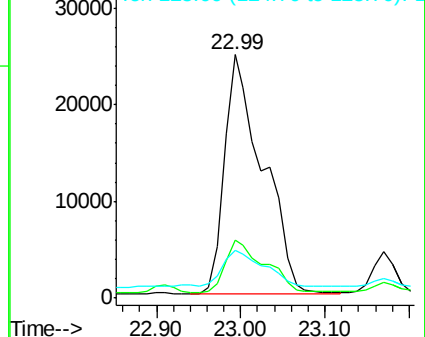
125 19.6 10.4 15.6#

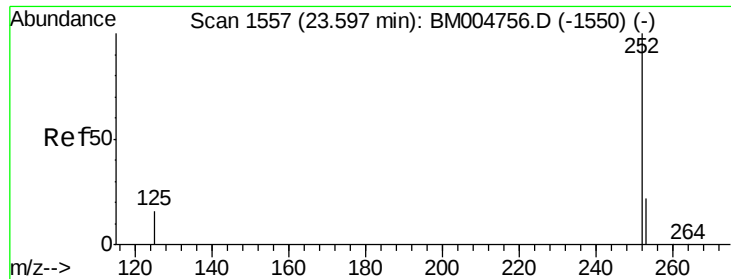


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM004764.D

Acq: 24 Mar 2016 23:49

Instrument :

BNA_M

ClientSampleId :

A4T45MS

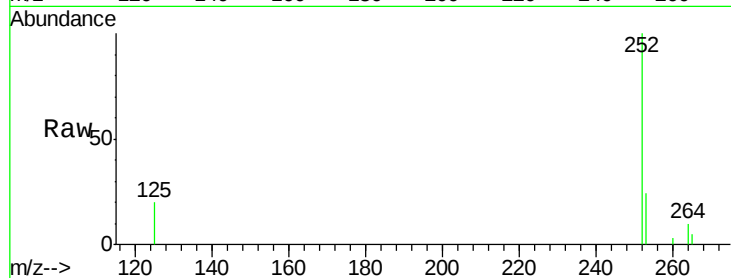
Tgt Ion:252 Resp: 45753

Ion Ratio Lower Upper

252 100

253 24.1 19.4 29.2

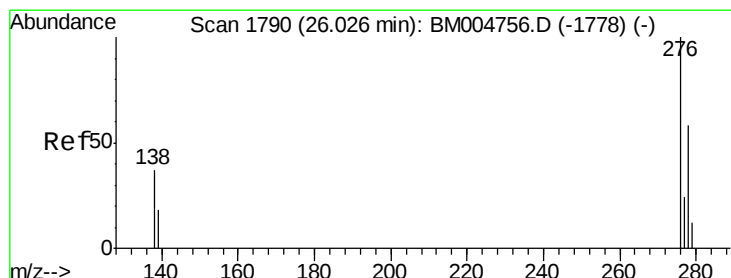
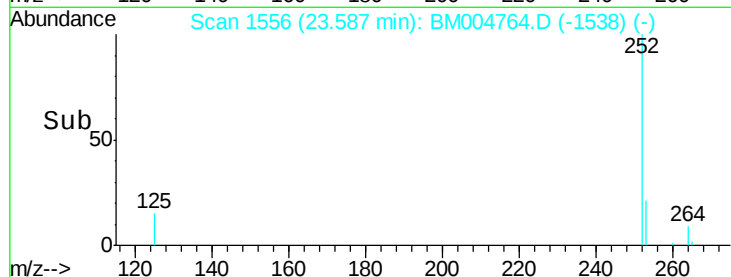
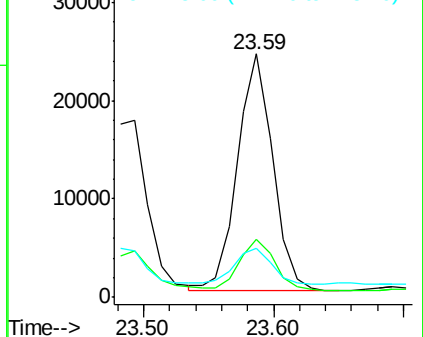
125 20.2 12.7 19.1#



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: 0.05 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BM004764.D

Acq: 24 Mar 2016 23:49

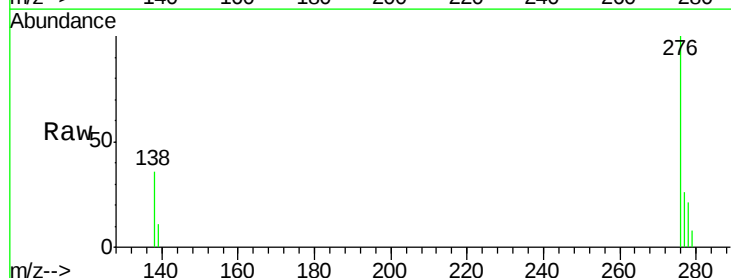
Tgt Ion:276 Resp: 40912

Ion Ratio Lower Upper

276 100

138 31.2 16.3 24.5#

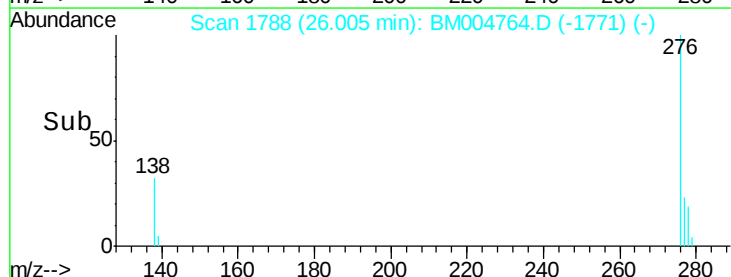
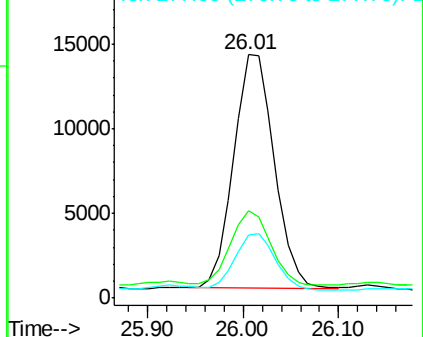
277 24.4 19.8 29.8

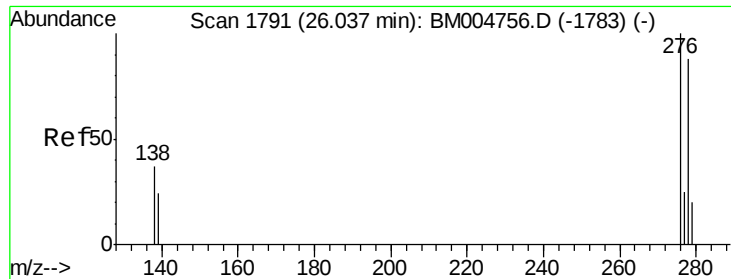


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 26.02 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BM004764.D

Acq: 24 Mar 2016 23:49

Instrument :

BNA_M

ClientSampleId :

A4T45MS

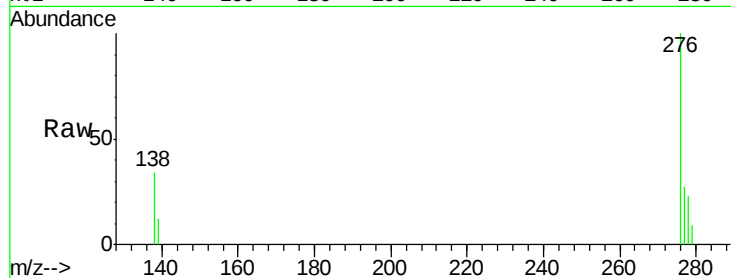
Tgt Ion:278 Resp: 10178

Ion Ratio Lower Upper

278 100

139 49.9 16.4 24.6#

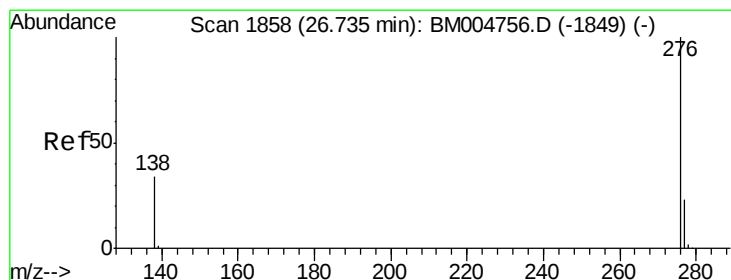
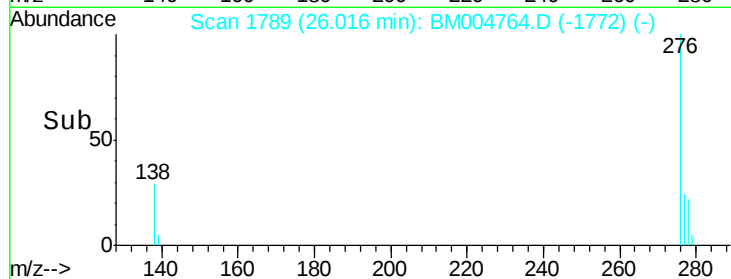
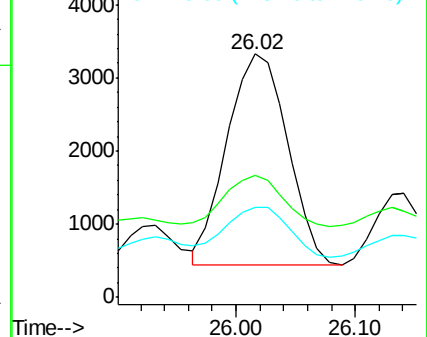
279 37.1 20.2 30.2#



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: 26.72 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM004764.D

Acq: 24 Mar 2016 23:49

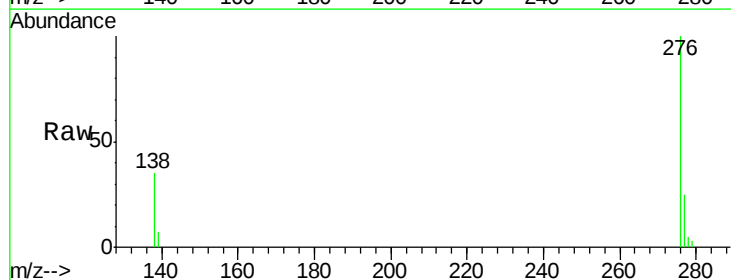
Tgt Ion:276 Resp: 50605

Ion Ratio Lower Upper

276 100

277 25.5 18.9 28.3

138 35.0 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

