

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081516\
 Data File : BM007122.D
 Acq On : 15 Aug 2016 18:32
 Operator : UM/SJ
 Sample : H4338-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4V16

Quant Time: Aug 16 01:55:08 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 01:54:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1967	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.60	136	6872	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	9560	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.28	188	554635	0.40	ng/ul	0.10
16) Chrysene-d12	21.37	240	7917	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	500317	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	3279	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	1761	0.00	ng/ul	0.09

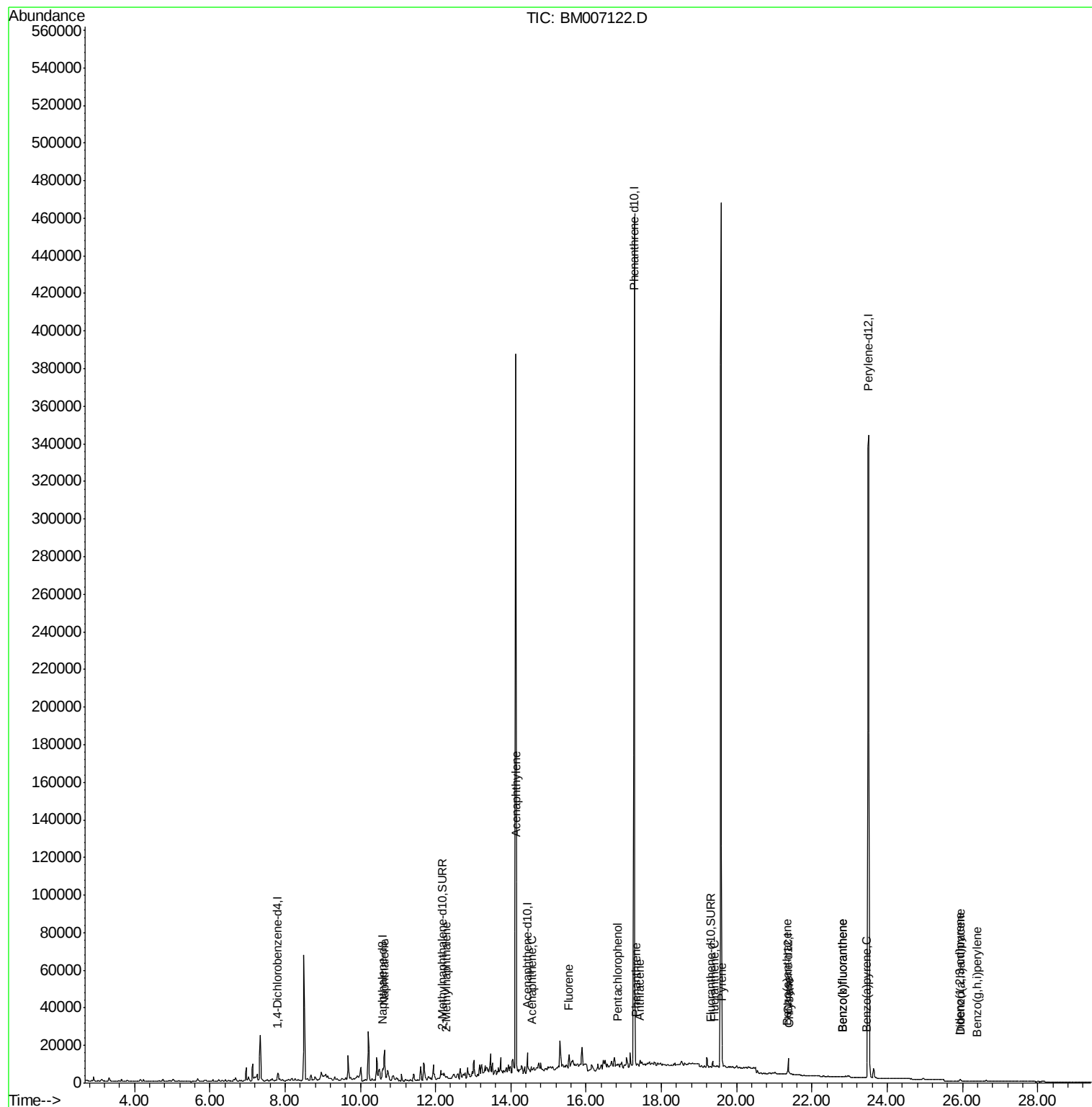
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	1905	0.11	ng/ul#	1
5) 2-Methylnaphthalene	12.29	142	625	0.05	ng/ul#	23
7) Acenaphthylene	14.14	152	1632	0.03	ng/ul#	1
8) Acenaphthene	14.55	153	2892	0.09	ng/ul#	66
9) Fluorene	15.55	166	1791	0.05	ng/ul#	1
11) Pentachlorophenol	16.83	266	239	0.00	ng/ul	93
12) Phenanthrene	17.31	178	2807	0.00	ng/ul#	1
13) Anthracene	17.42	178	1086	0.00	ng/ul#	1
15) Fluoranthene	19.40	202	1071	0.00	ng/ul#	1
17) Pyrene	19.60	202	6770	0.26	ng/ul#	56
18) Benzo(a)anthracene	21.35	228	835	0.03	ng/ul#	1
19) Chrysene	21.40	228	1076	0.04	ng/ul#	1
21) Benzo(b)fluoranthene	22.82	252	46	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.82	252	46	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.44	252	512	0.00	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.93	276	904	0.00	ng/ul	97
25) Dibenzo(a,h)anthracene	25.94	278	762	0.00	ng/ul#	9
26) Benzo(g,h,i)perylene	26.39	276	20	0.00	ng/ul#	1

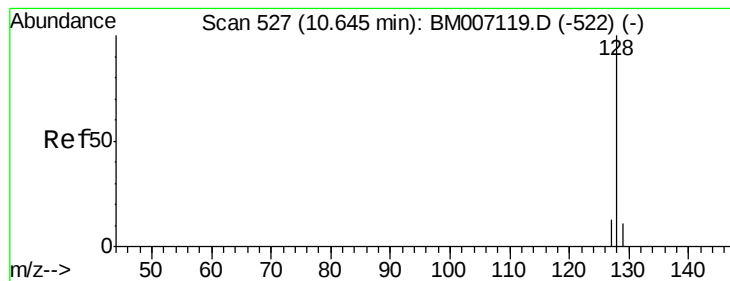
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. 0.00 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

Instrument :

BNA_M

ClientSampled :

A4V16

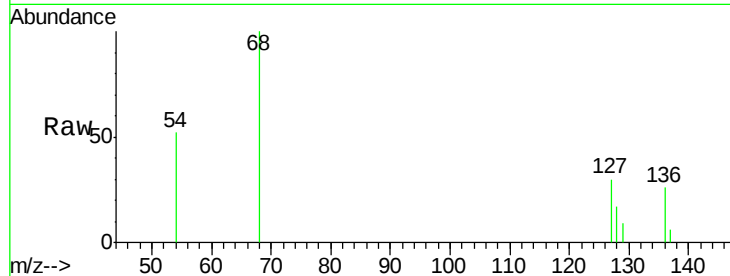
Tgt Ion:128 Resp: 1905

Ion Ratio Lower Upper

128 100

129 55.4 9.0 13.6#

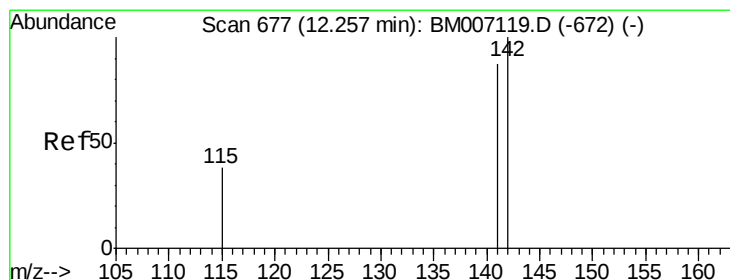
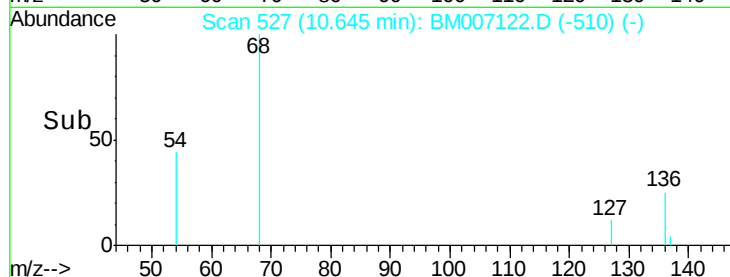
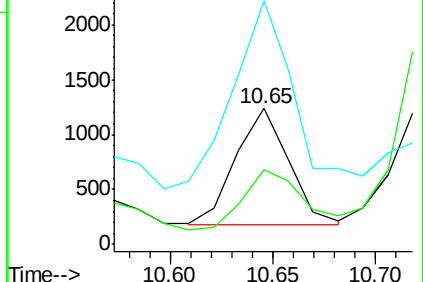
127 179.7 9.6 14.4#



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



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. 0.03 min

Lab File: BM007122.D

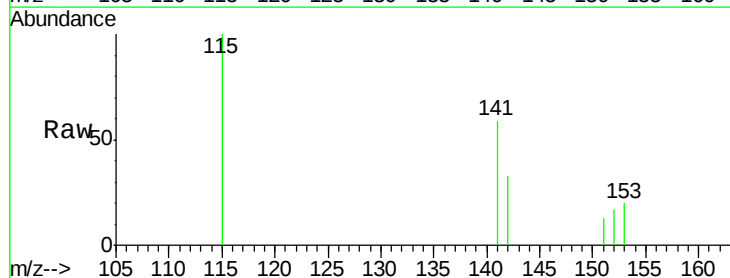
Acq: 15 Aug 2016 18:32

Tgt Ion:142 Resp: 625

Ion Ratio Lower Upper

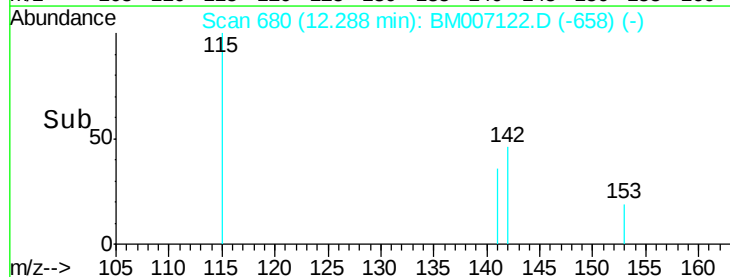
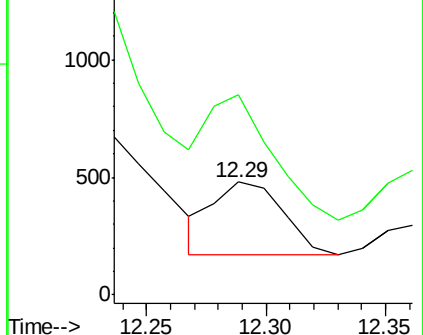
142 100

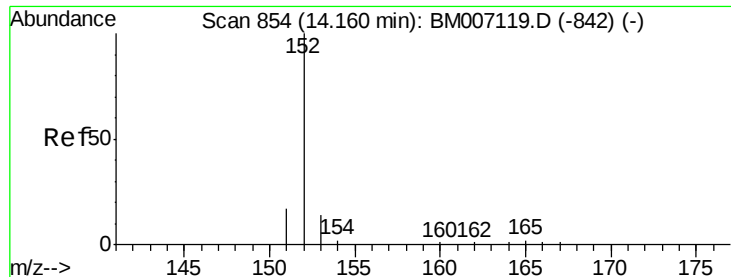
141 159.4 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.02 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

Instrument :

BNA_M

ClientSampleId :

A4V16

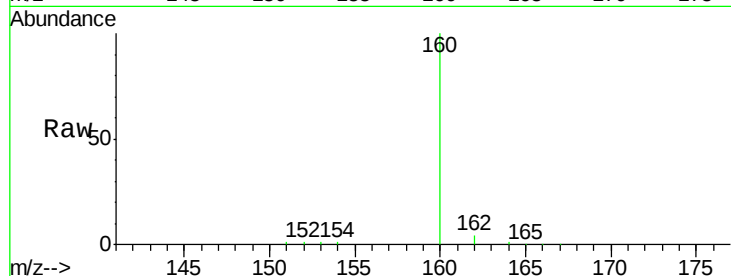
Tgt Ion:152 Resp: 1632

Ion Ratio Lower Upper

152 100

151 76.4 17.6 26.4#

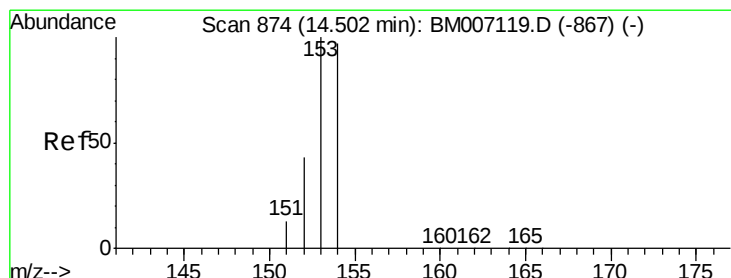
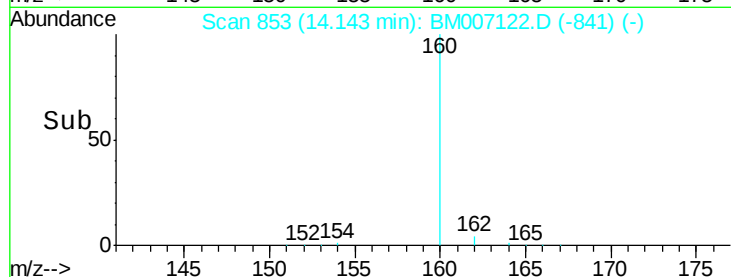
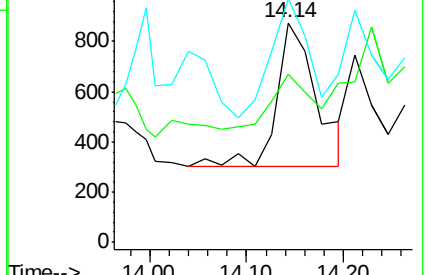
153 111.0 9.7 14.5#



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



#8

Acenaphthene

Concen: 0.09 ng/ul

RT: 14.55 min Scan# 877

Delta R.T. 0.05 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

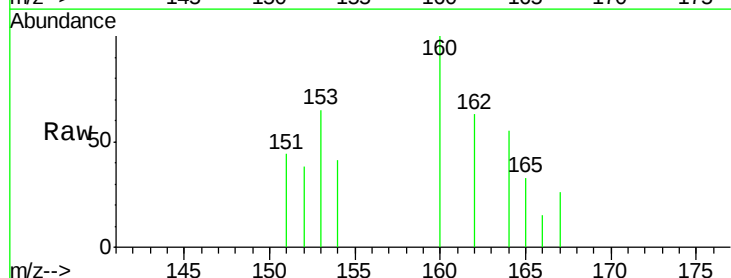
Tgt Ion:153 Resp: 2892

Ion Ratio Lower Upper

153 100

152 57.7 33.9 50.9#

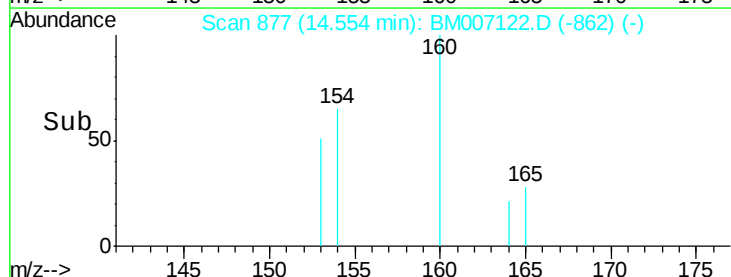
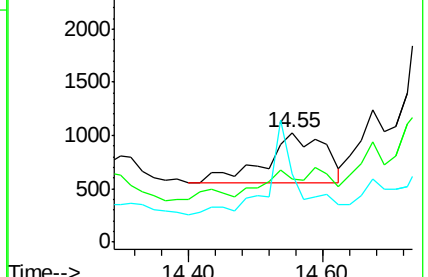
154 62.6 80.6 121.0#

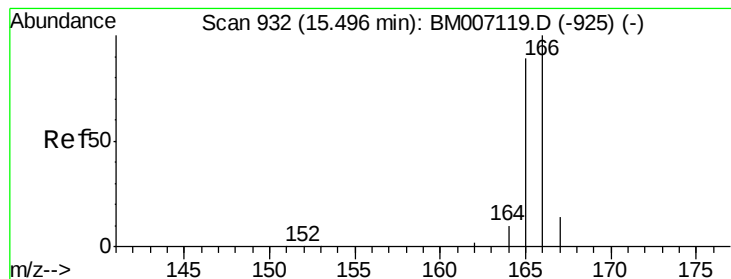


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.55 min Scan# 935

Delta R.T. 0.05 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

Instrument :

BNA_M

ClientSampleId :

A4V16

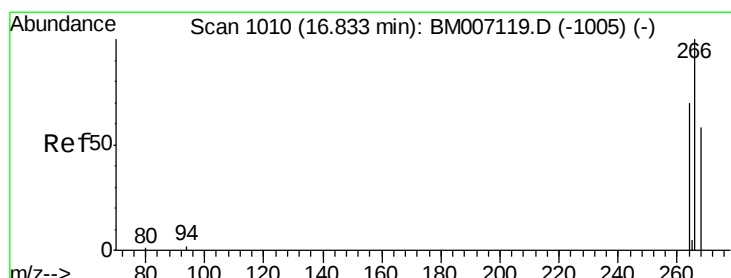
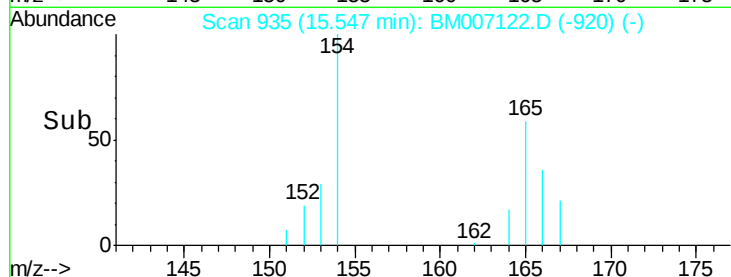
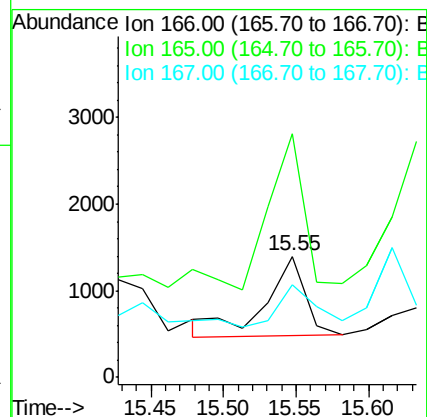
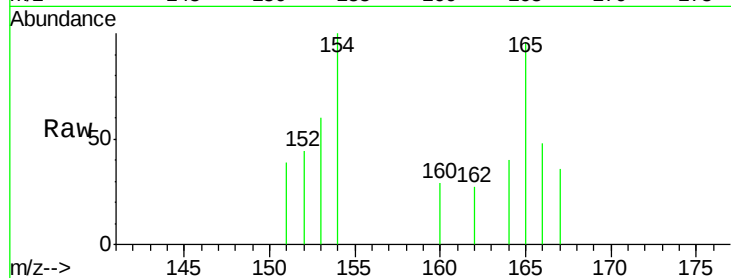
Tgt Ion:166 Resp: 1791

Ion Ratio Lower Upper

166 100

165 201.1 69.6 104.4#

167 76.0 11.9 17.9#



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.83 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

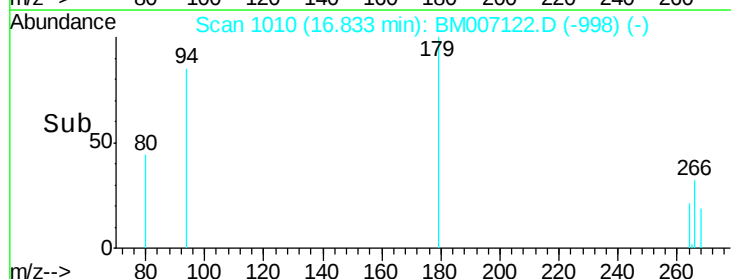
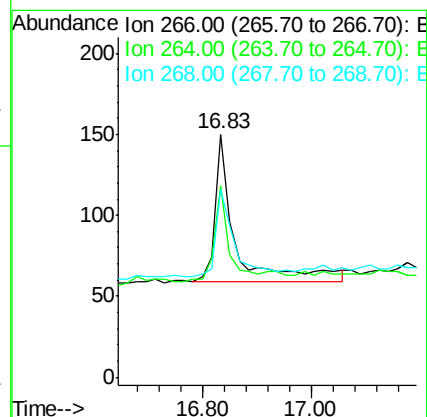
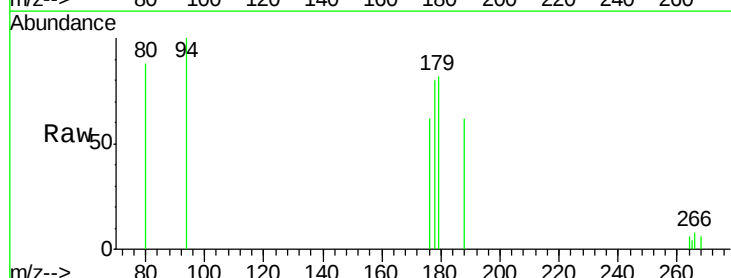
Tgt Ion:266 Resp: 239

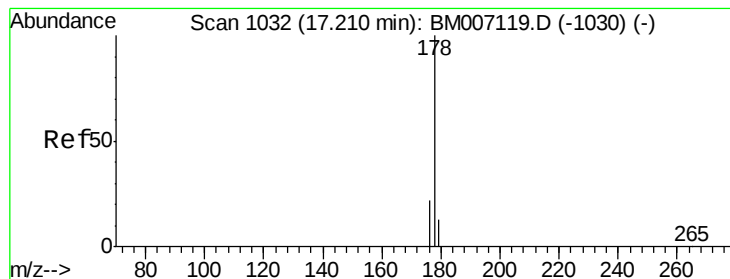
Ion Ratio Lower Upper

266 100

264 56.9 51.8 77.8

268 56.5 46.8 70.2





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.10 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

Instrument :

BNA_M

ClientSampled :

A4V16

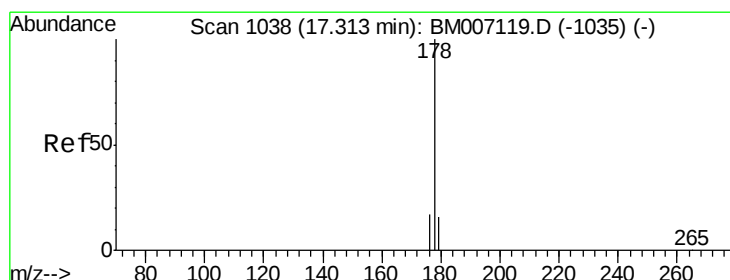
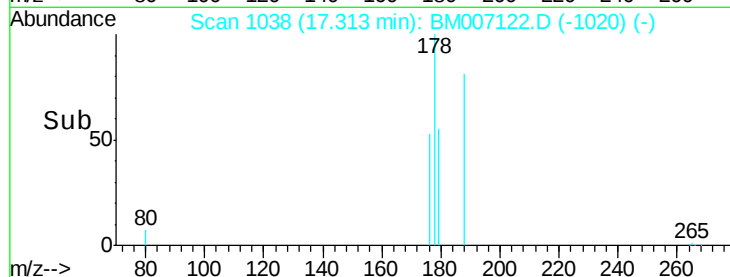
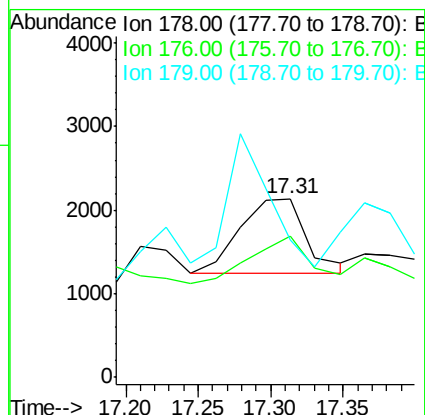
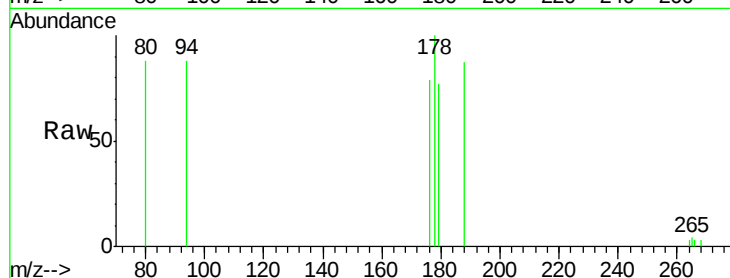
Tgt Ion:178 Resp: 2807

Ion Ratio Lower Upper

178 100

176 79.2 13.0 19.4#

179 77.0 14.2 21.2#



#13

Anthracene

Concen: 0.00 ng/ul

RT: 17.42 min Scan# 1044

Delta R.T. 0.10 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

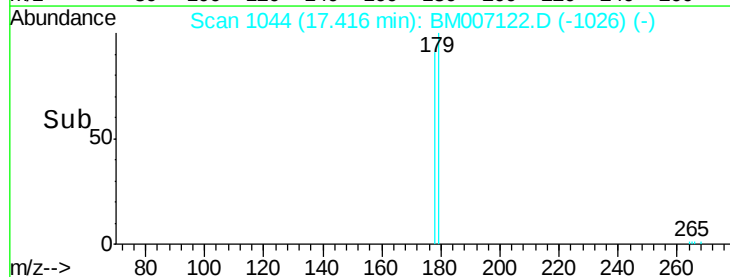
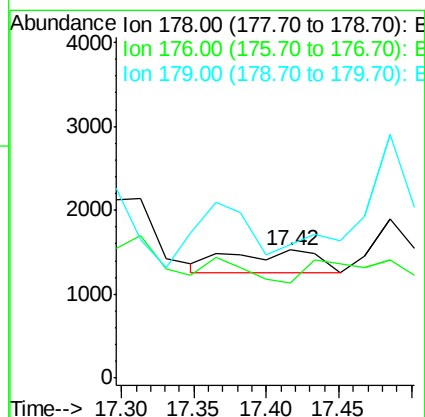
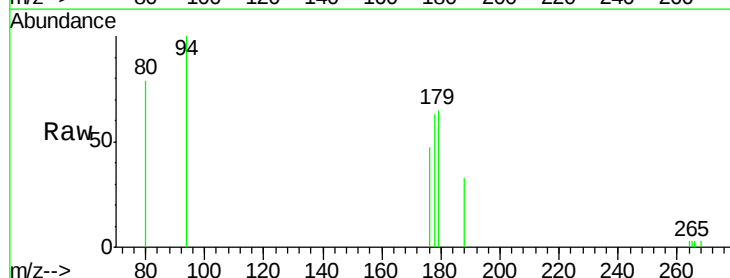
Tgt Ion:178 Resp: 1086

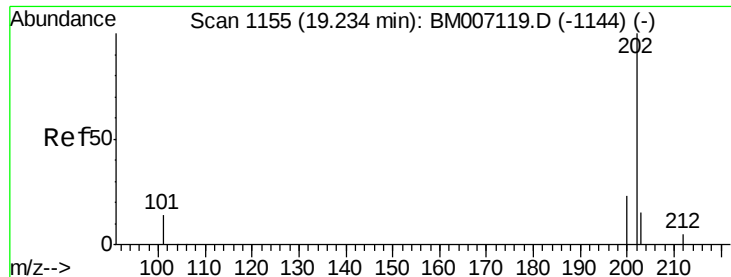
Ion Ratio Lower Upper

178 100

176 74.4 14.0 21.0#

179 103.8 12.9 19.3#





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.40 min Scan# 1169

Delta R.T. 0.16 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

Instrument :

BNA_M

ClientSampleId :

A4V16

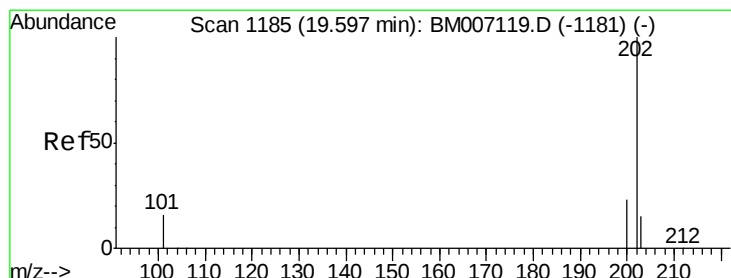
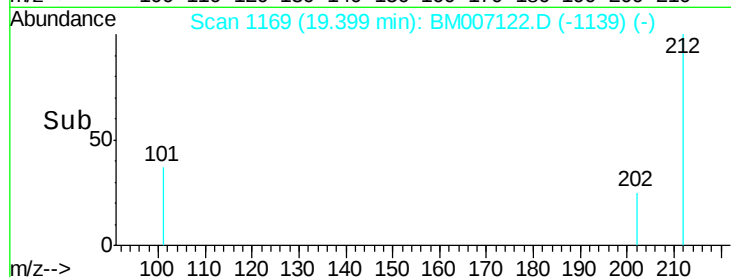
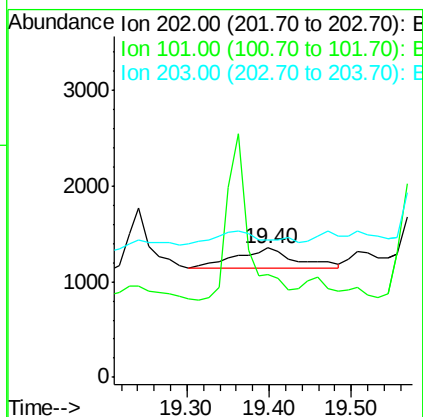
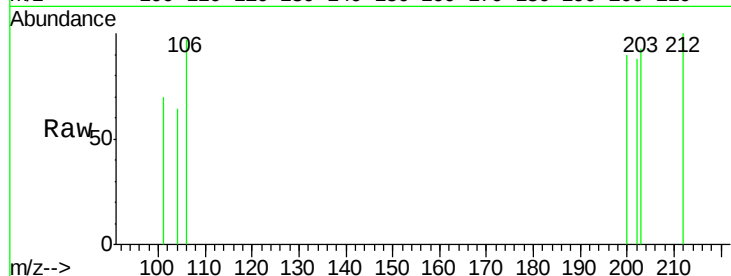
Tgt Ion:202 Resp: 1071

Ion Ratio Lower Upper

202 100

101 80.0 0.0 29.6#

203 106.1 0.0 36.3#



#17

Pyrene

Concen: 0.26 ng/ul

RT: 19.60 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

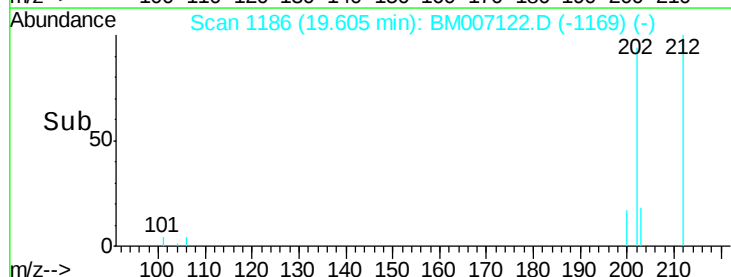
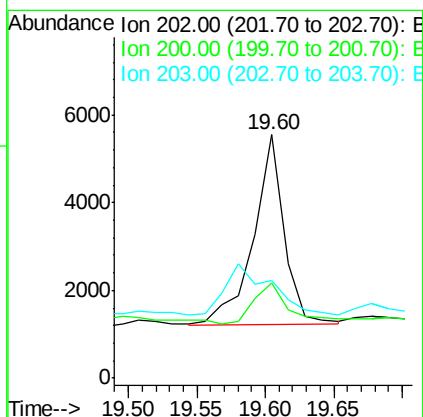
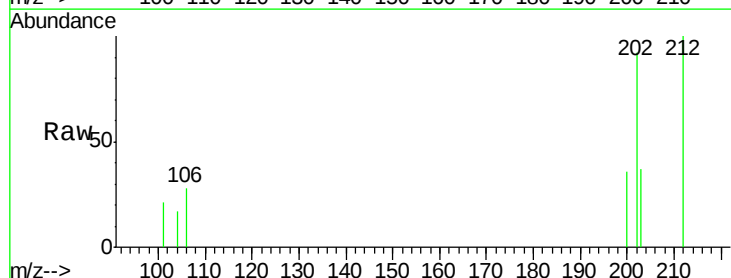
Tgt Ion:202 Resp: 6770

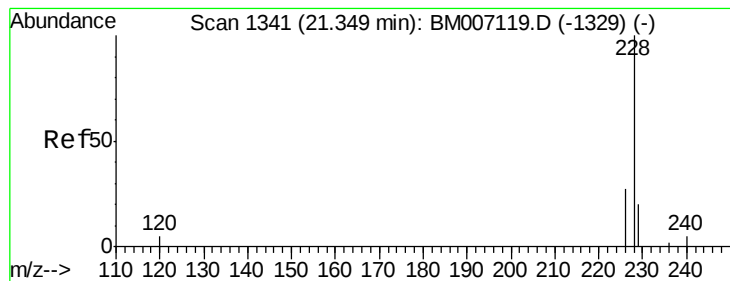
Ion Ratio Lower Upper

202 100

200 39.2 17.8 26.8#

203 40.1 12.8 19.2#





#18

Benzo(a)anthracene

Concen: 0.03 ng/u1

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

Instrument :

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A4V16

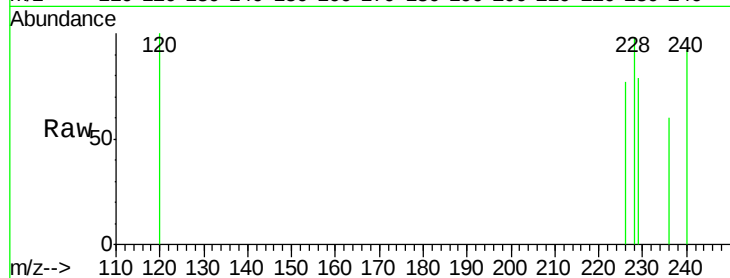
Tgt Ion:228 Resp: 835

Ion Ratio Lower Upper

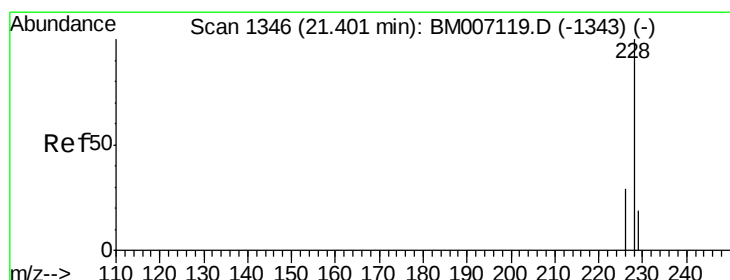
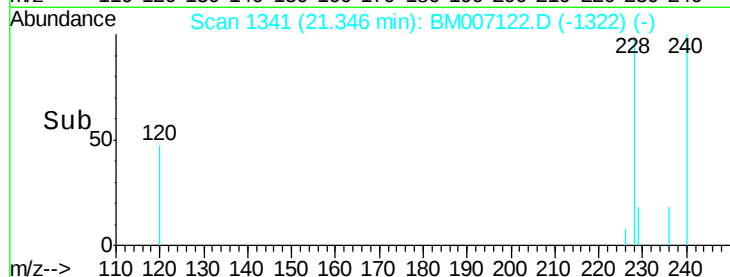
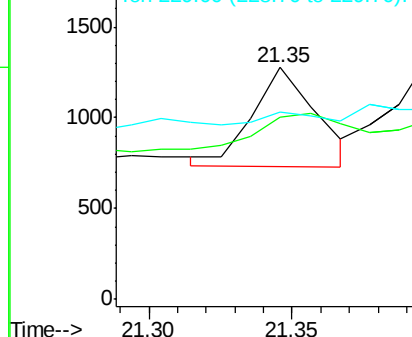
228 100

226 78.7 18.8 28.2#

229 80.6 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



#19

Chrysene

Concen: 0.04 ng/u1

RT: 21.40 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

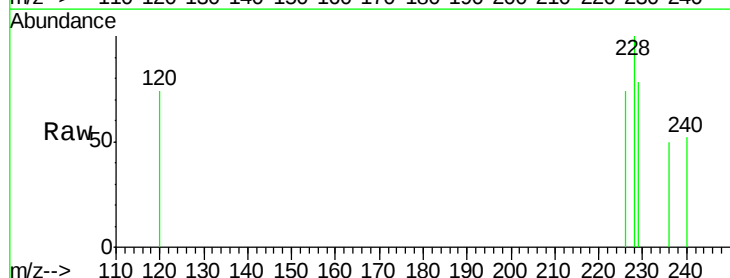
Tgt Ion:228 Resp: 1076

Ion Ratio Lower Upper

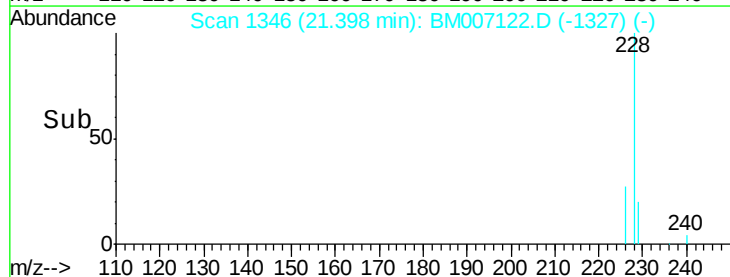
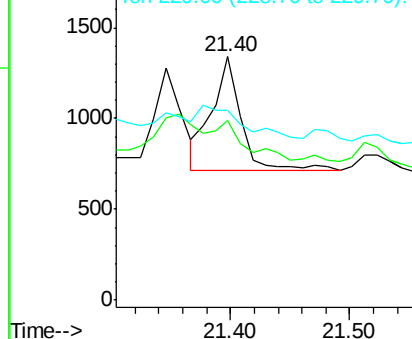
228 100

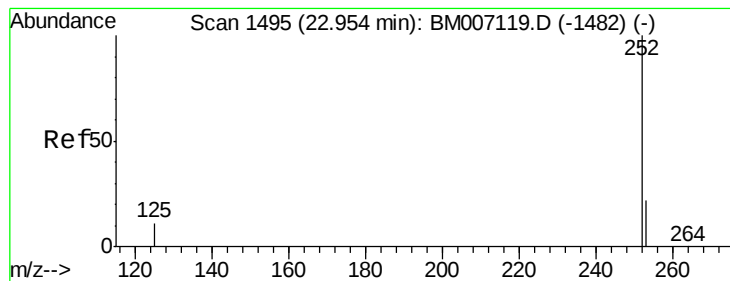
226 73.8 21.2 31.8#

229 77.9 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





#21

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.14 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

Instrument :

BNA_M

ClientSampleId :

A4V16

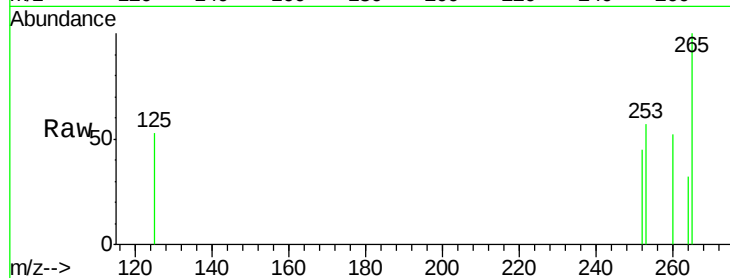
Tgt Ion:252 Resp: 46

Ion Ratio Lower Upper

252 100

253 126.6 0.0 45.4#

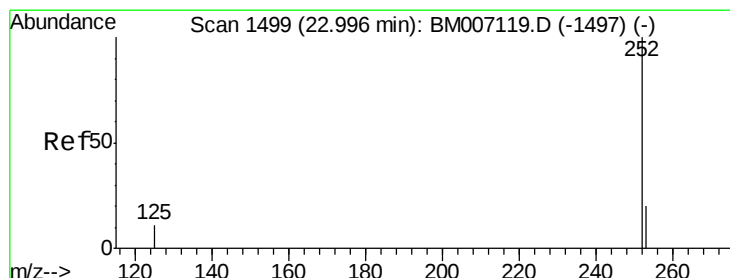
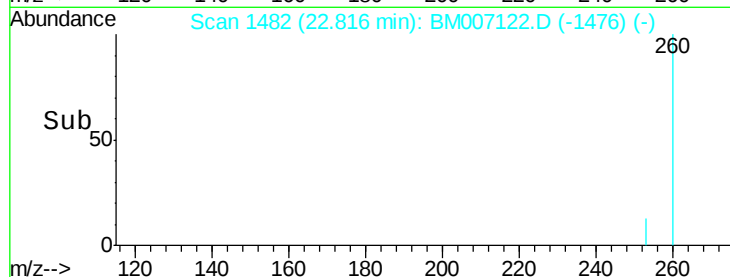
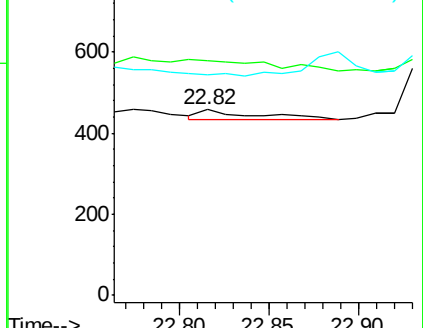
125 118.8 0.0 28.8#



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



#22

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.18 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

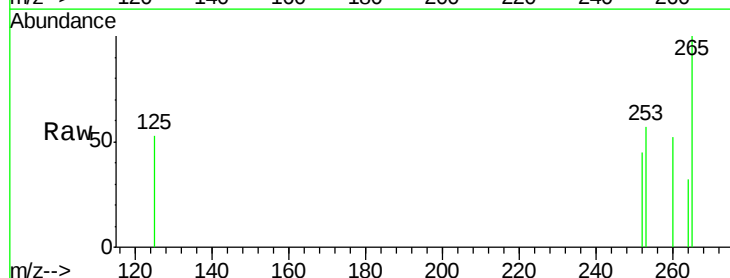
Tgt Ion:252 Resp: 46

Ion Ratio Lower Upper

252 100

253 126.6 19.8 29.8#

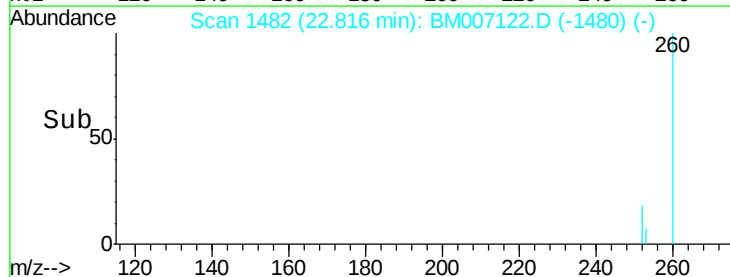
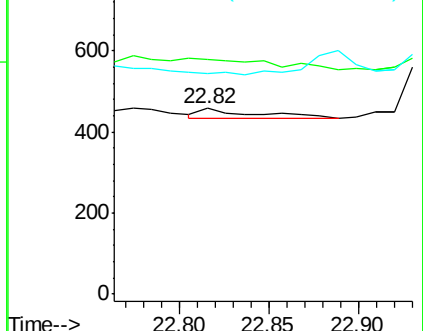
125 118.8 10.4 15.6#

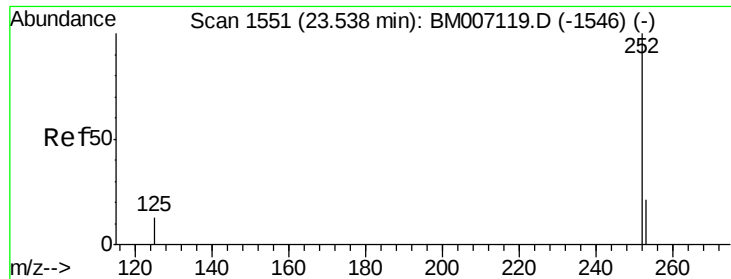


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.44 min Scan# 1542

Delta R.T. -0.10 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

Instrument :

BNA_M

ClientSampleId :

A4V16

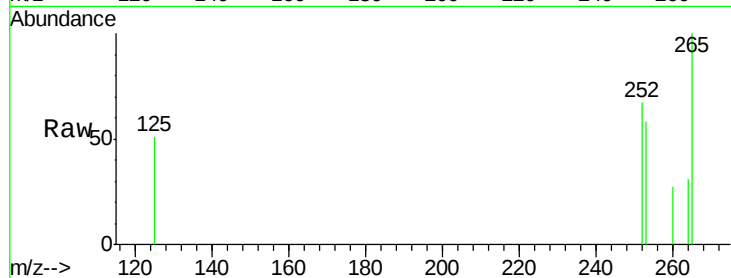
Tgt Ion:252 Resp: 512

Ion Ratio Lower Upper

252 100

253 86.4 19.4 29.2#

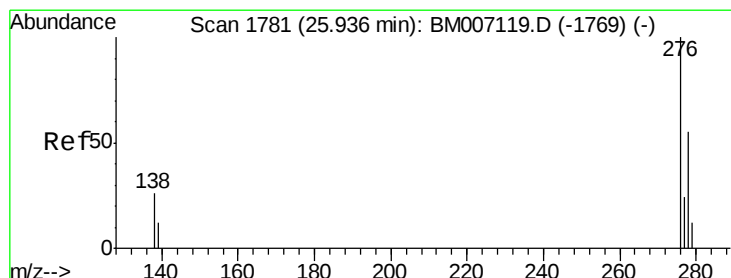
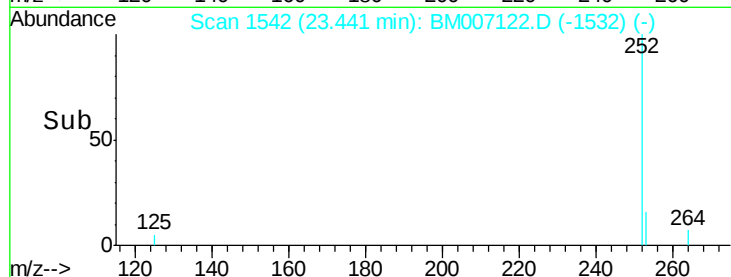
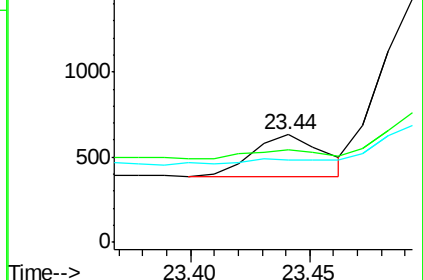
125 75.9 12.7 19.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.93 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

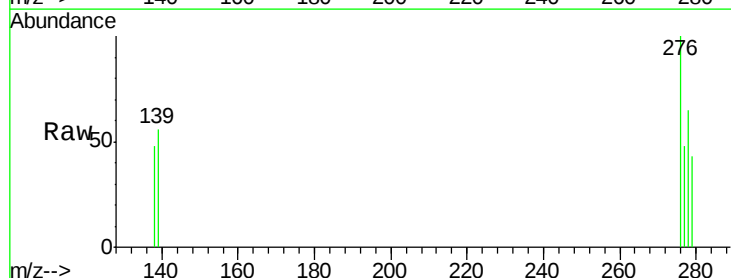
Tgt Ion:276 Resp: 904

Ion Ratio Lower Upper

276 100

138 22.6 16.3 24.5

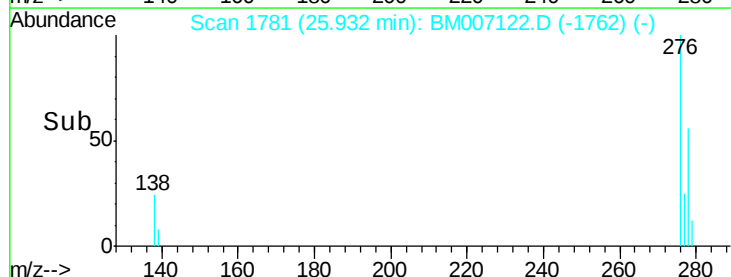
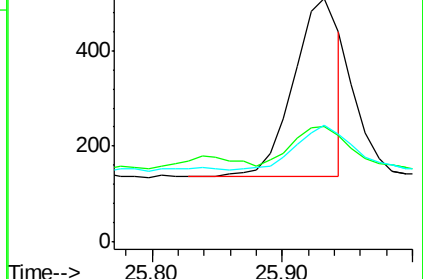
277 23.6 19.8 29.8

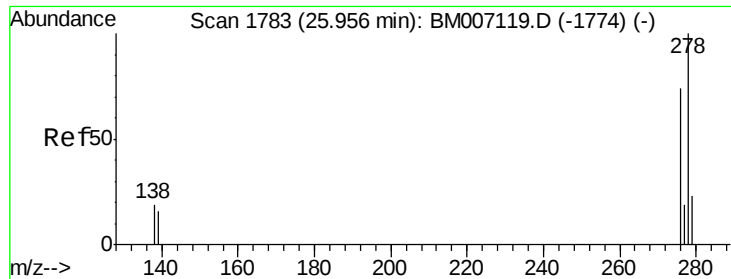


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.94 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

Instrument :

BNA_M

ClientSampled :

A4V16

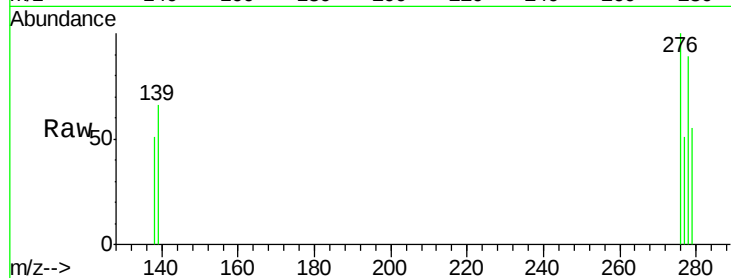
Tgt Ion: 278 Resp: 762

Ion Ratio Lower Upper

278 100

139 73.9 16.4 24.6#

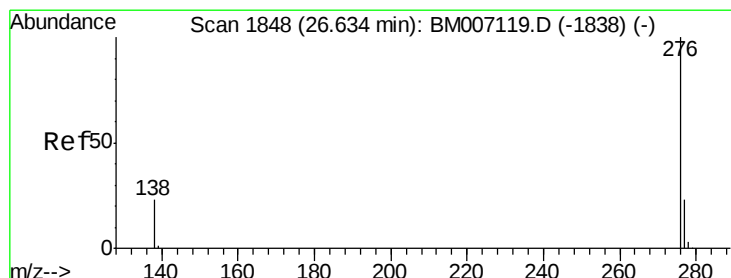
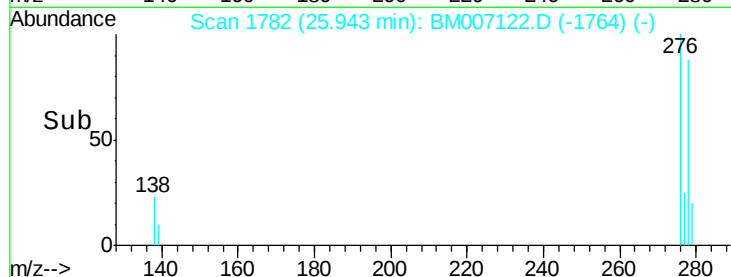
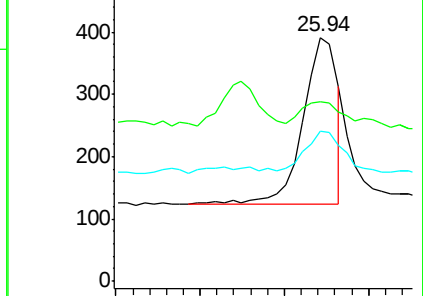
279 61.4 20.2 30.2#



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



#26

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.39 min Scan# 1825

Delta R.T. -0.24 min

Lab File: BM007122.D

Acq: 15 Aug 2016 18:32

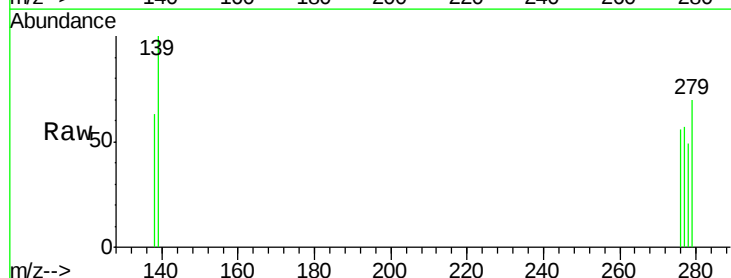
Tgt Ion: 276 Resp: 20

Ion Ratio Lower Upper

276 100

277 103.0 18.9 28.3#

138 113.6 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

