

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008068.D
 Acq On : 24 Nov 2016 11:30
 Operator : UM/SJ
 Sample : H5701-10MS
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WD7MS

Quant Time: Nov 25 01:29:18 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 25 01:27:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	687	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.49	136	2365	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.35	164	1489	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.19	188	103890	0.40	ng/ul	0.09
16) Chrysene-d12	21.28	240	3148	0.40	ng/ul	-0.01
20) Perylene-d12	23.52	264	2885	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.08	152	605	0.18	ng/ul	-0.02
14) Fluoranthene-d10	19.22	212	74	0.00	ng/ul	0.08

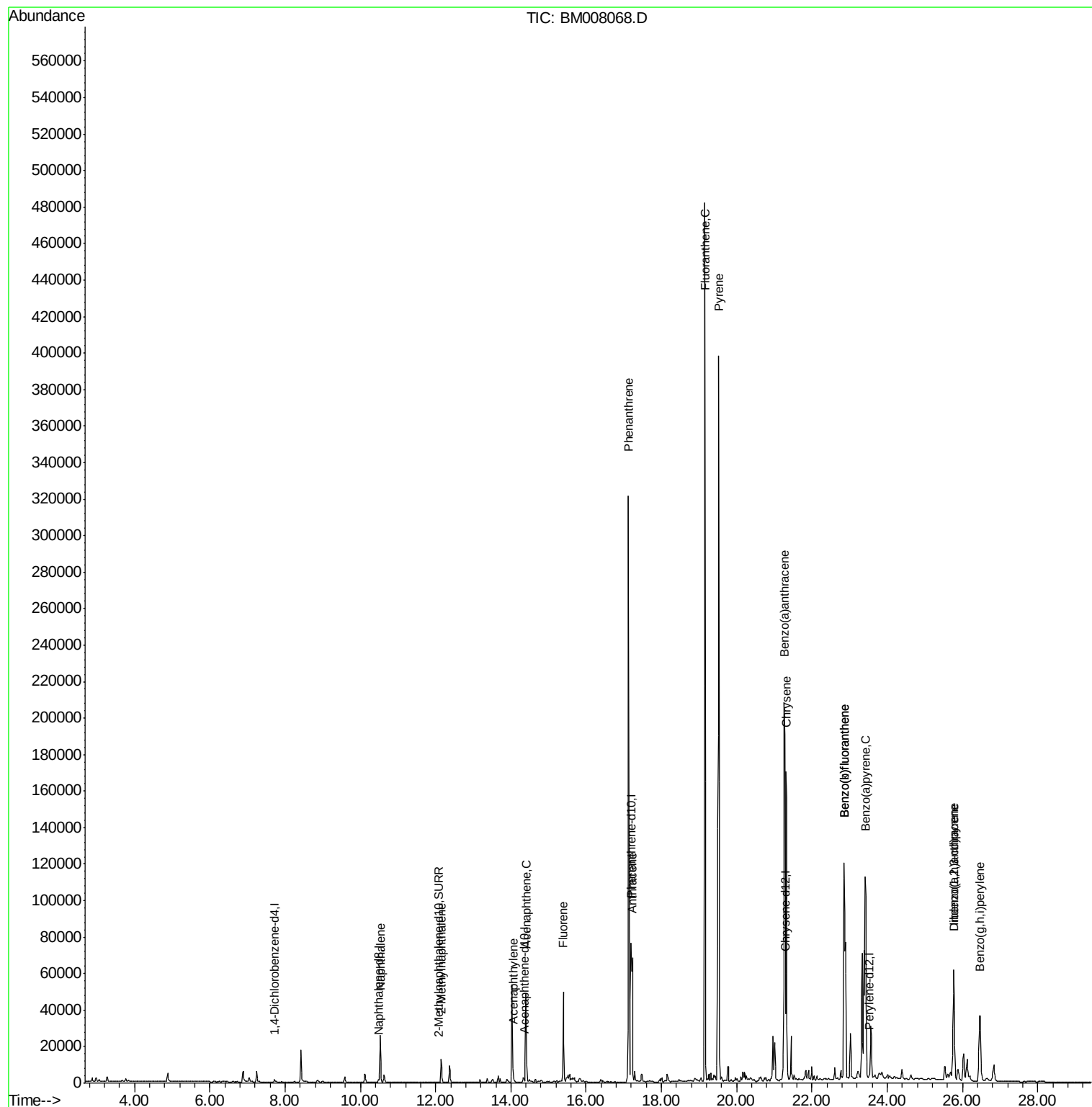
Target Compounds						Qvalue
3) Naphthalene	10.54	128	37772	5.71	ng/ul#	93
5) 2-Methylnaphthalene	12.15	142	9889	2.32	ng/ul	99
7) Acenaphthylene	14.06	152	6498	0.96	ng/ul	99
8) Acenaphthene	14.40	153	28414	5.54	ng/ul	97
9) Fluorene	15.39	166	34625	5.88	ng/ul#	87
12) Phenanthrene	17.12	178	369182	1.14	ng/ul	95
13) Anthracene	17.23	178	102249	0.34	ng/ul#	91
15) Fluoranthene	19.16	202	442358	1.06	ng/ul	93
17) Pyrene	19.52	202	372699	34.10	ng/ul	96
18) Benzo(a)anthracene	21.26	228	221187	22.89	ng/ul	95
19) Chrysene	21.31	228	169249	14.08	ng/ul	92
21) Benzo(b)fluoranthene	22.86	252	292948	25.44	ng/ul	83
22) Benzo(k)fluoranthene	22.86	252	292948	24.66	ng/ul#	85
23) Benzo(a)pyrene	23.42	252	160859	14.91	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.77	276	96720	7.25	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.78	278	26627	2.49	ng/ul#	90
26) Benzo(g,h,i)perylene	26.45	276	79639	6.73	ng/ul#	88

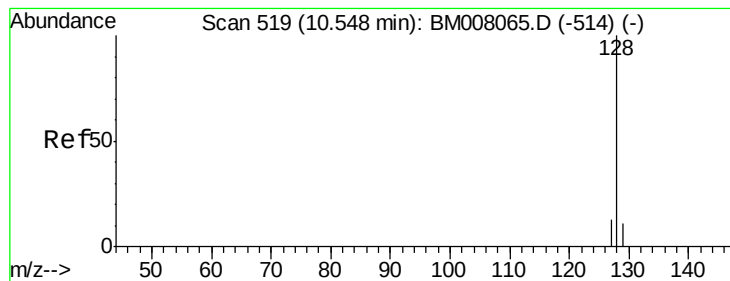
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 5.71 ng/ul

RT: 10.54 min Scan# 518

Delta R.T. -0.01 min

Lab File: BM008068.D

Acq: 24 Nov 2016 11:30

Instrument :

BNA_M

ClientSampleId :

A4WD7MS

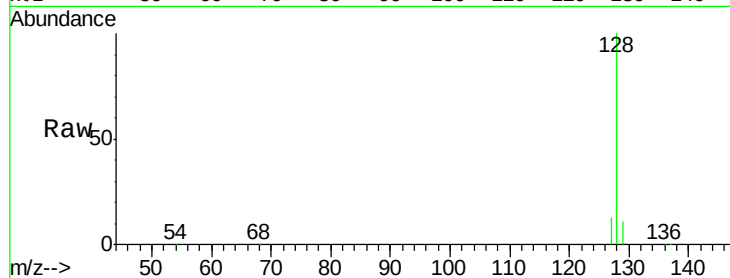
Tgt Ion:128 Resp: 37772

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9

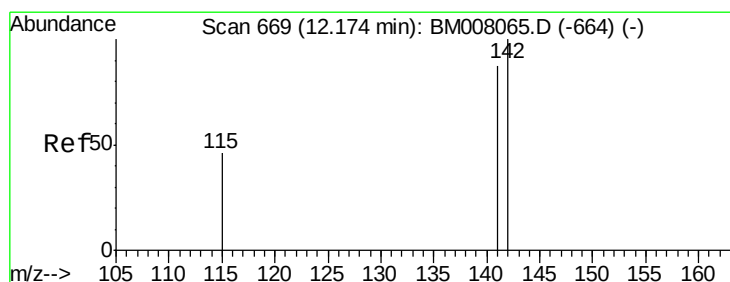
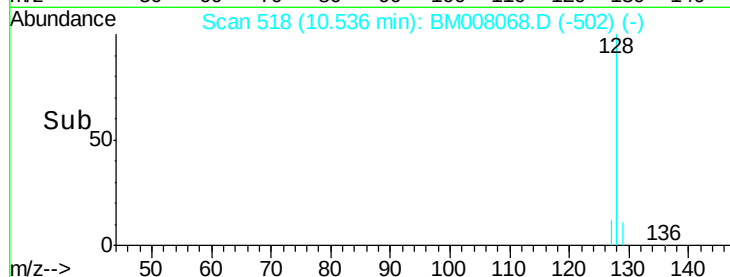
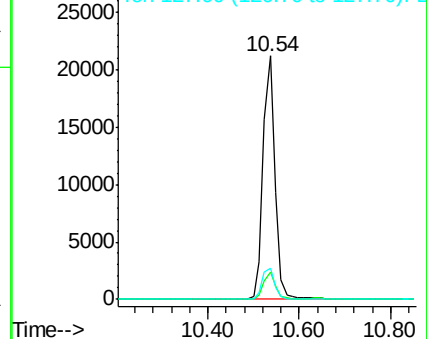
127 12.6 12.8 19.2#



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: 2.32 ng/ul

RT: 12.15 min Scan# 667

Delta R.T. -0.02 min

Lab File: BM008068.D

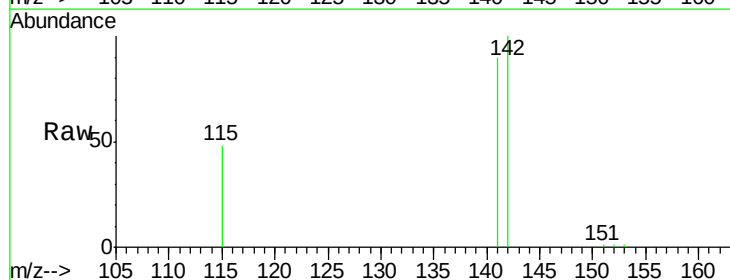
Acq: 24 Nov 2016 11:30

Tgt Ion:142 Resp: 9889

Ion Ratio Lower Upper

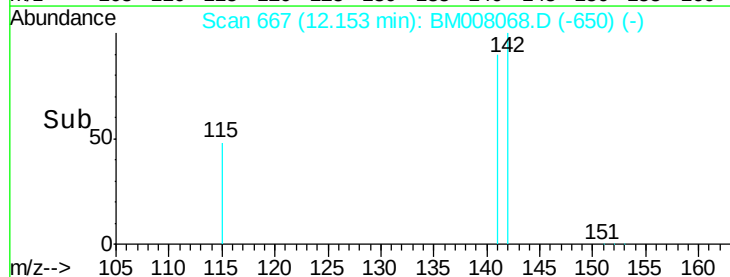
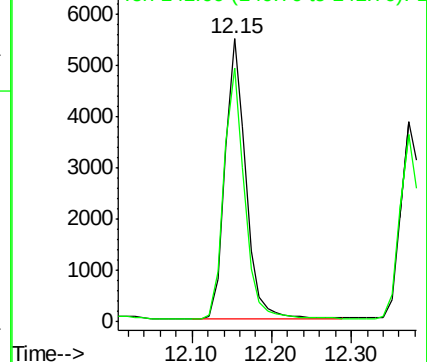
142 100

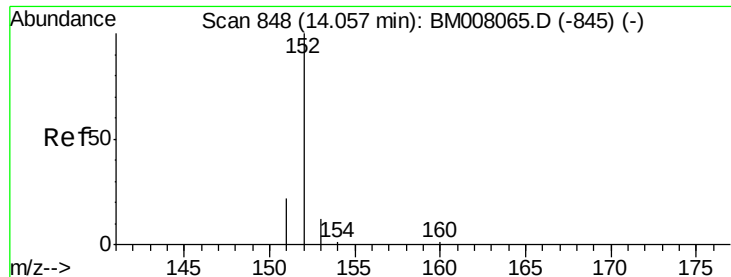
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.96 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: BM008068.D

Acq: 24 Nov 2016 11:30

Instrument :

BNA_M

ClientSampleId :

A4WD7MS

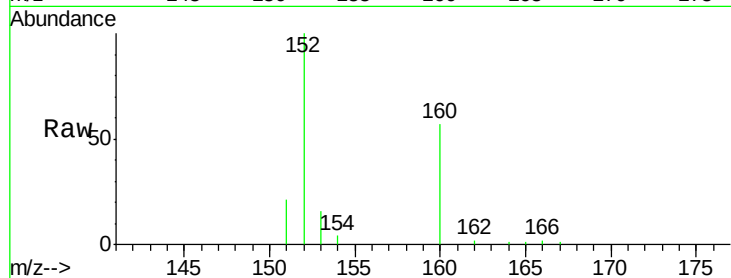
Tgt Ion:152 Resp: 6498

Ion Ratio Lower Upper

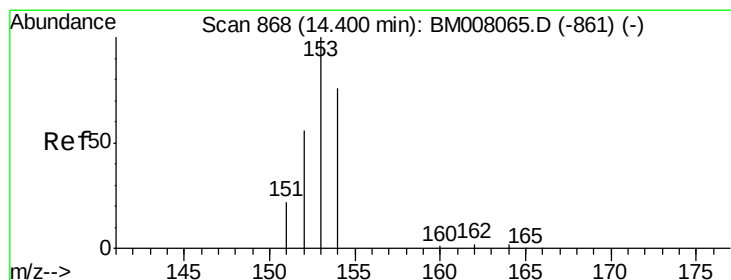
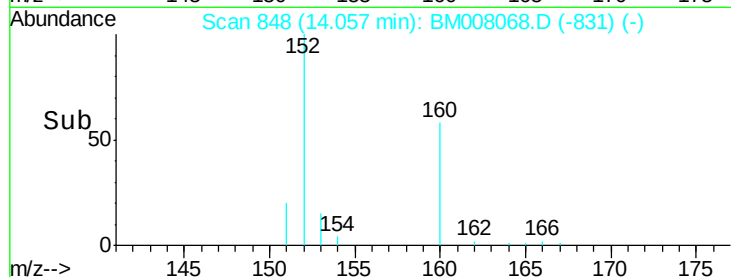
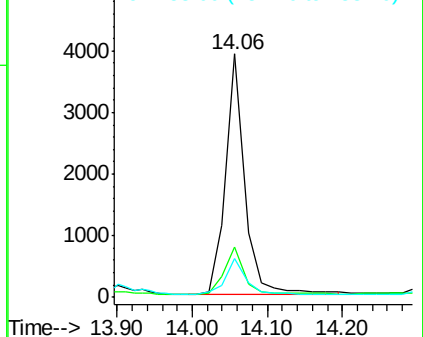
152 100

151 20.6 17.1 25.7

153 16.2 12.8 19.2



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: 5.54 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. -0.00 min

Lab File: BM008068.D

Acq: 24 Nov 2016 11:30

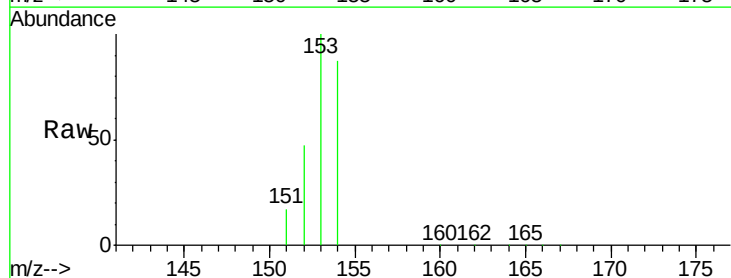
Tgt Ion:153 Resp: 28414

Ion Ratio Lower Upper

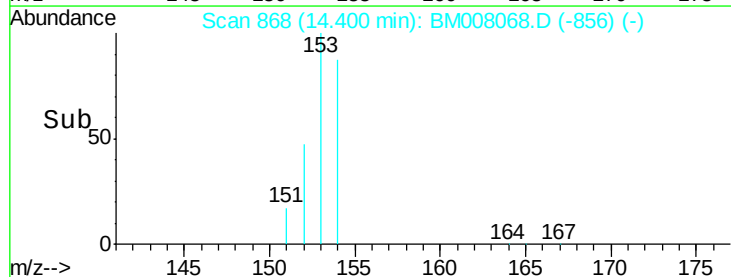
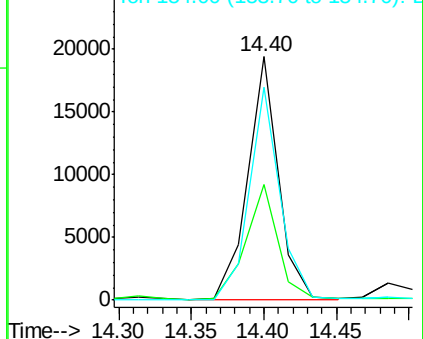
153 100

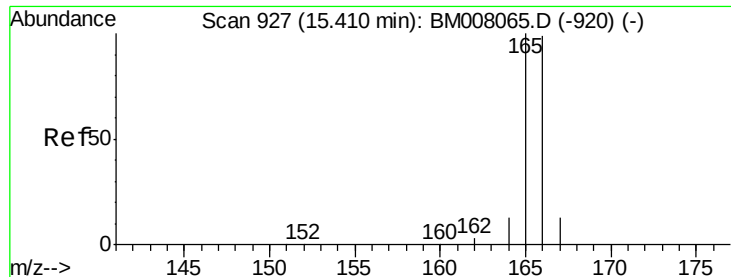
152 47.3 40.3 60.5

154 87.3 71.4 107.2



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: 5.88 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. -0.02 min

Lab File: BM008068.D

Acq: 24 Nov 2016 11:30

Instrument :

BNA_M

ClientSampleId :

A4WD7MS

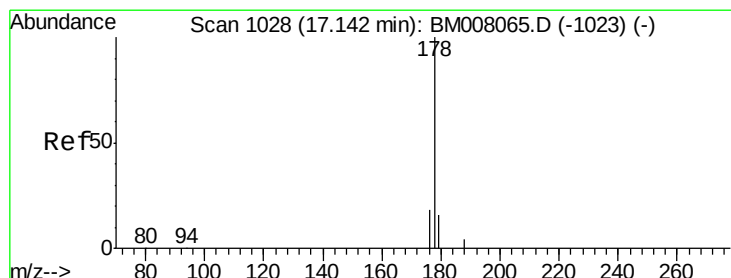
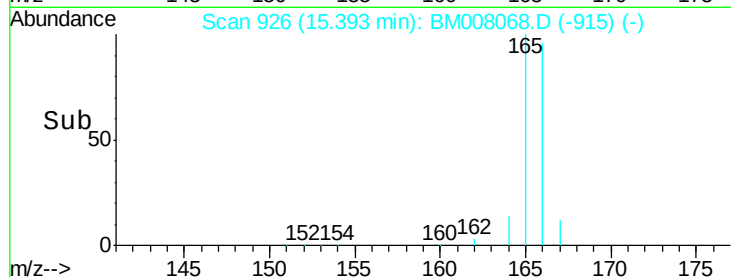
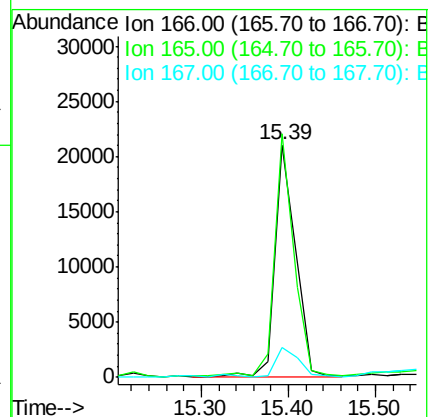
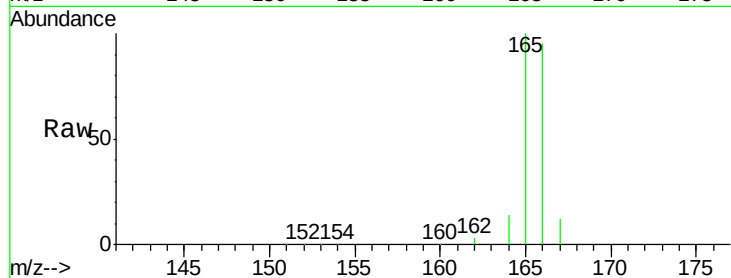
Tgt Ion:166 Resp: 34625

Ion Ratio Lower Upper

166 100

165 104.9 73.4 110.2

167 13.1 14.6 22.0#



#12

Phenanthrene

Concen: 1.14 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BM008068.D

Acq: 24 Nov 2016 11:30

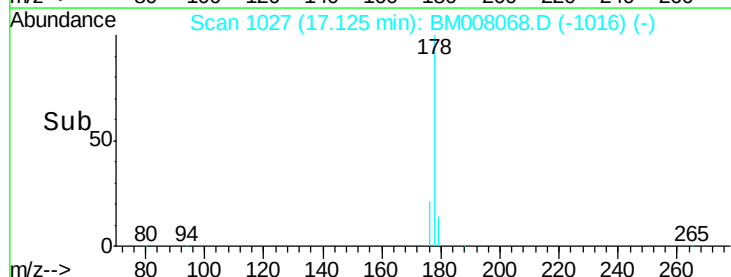
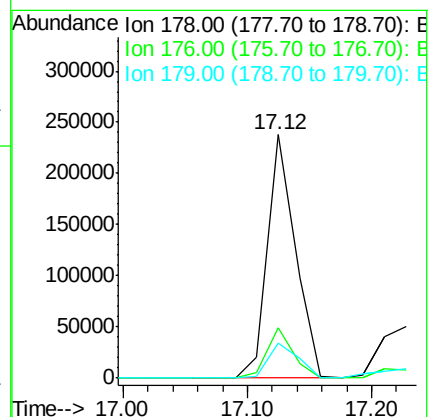
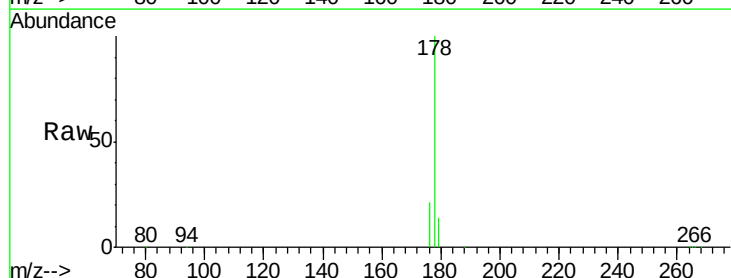
Tgt Ion:178 Resp: 369182

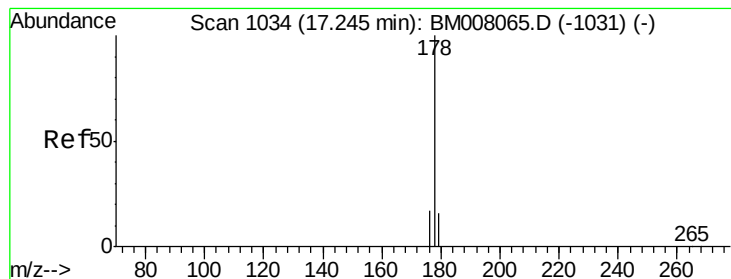
Ion Ratio Lower Upper

178 100

176 20.6 18.4 27.6

179 14.4 13.6 20.4





#13

Anthracene

Concen: 0.34 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM008068.D

Acq: 24 Nov 2016 11:30

Instrument :

BNA_M

ClientSampleId :

A4WD7MS

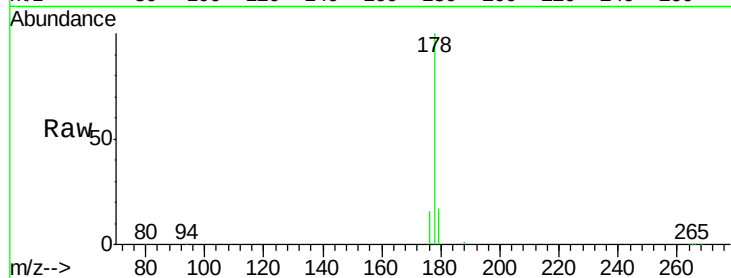
Tgt Ion:178 Resp: 102249

Ion Ratio Lower Upper

178 100

176 16.0 18.1 27.1#

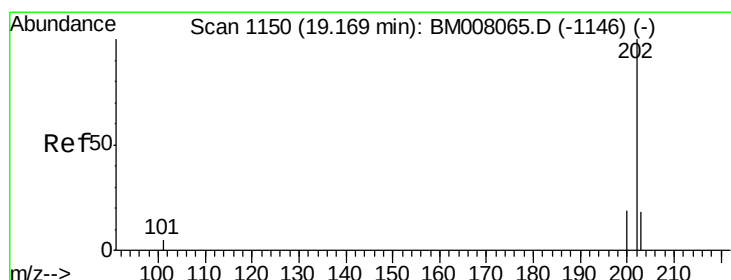
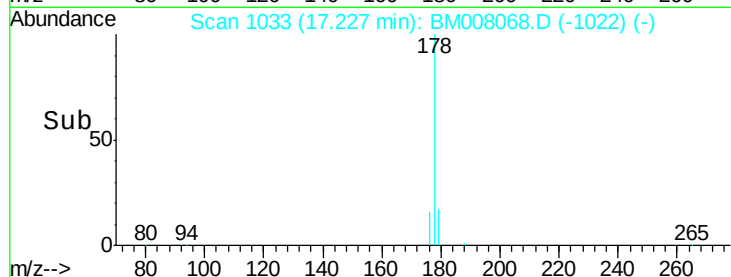
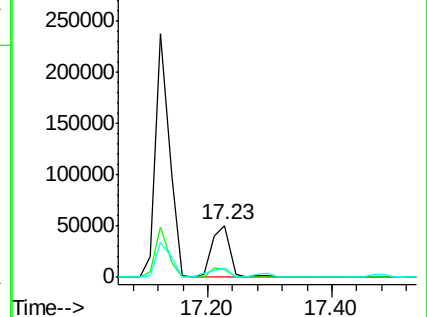
179 17.5 14.7 22.1



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

Fluoranthene

Concen: 1.06 ng/ul

RT: 19.16 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BM008068.D

Acq: 24 Nov 2016 11:30

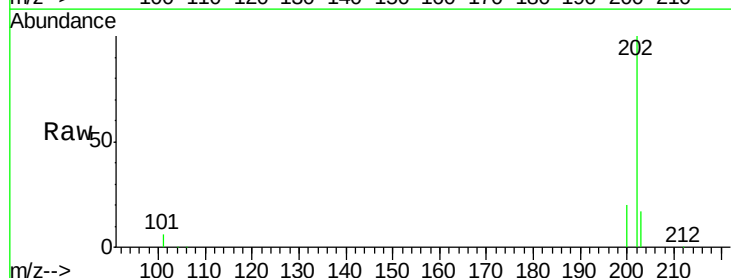
Tgt Ion:202 Resp: 442358

Ion Ratio Lower Upper

202 100

101 6.1 0.0 30.3

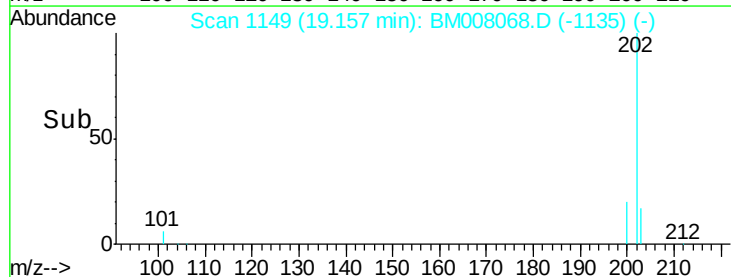
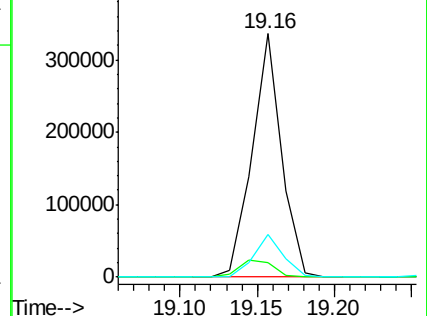
203 17.5 0.0 39.5

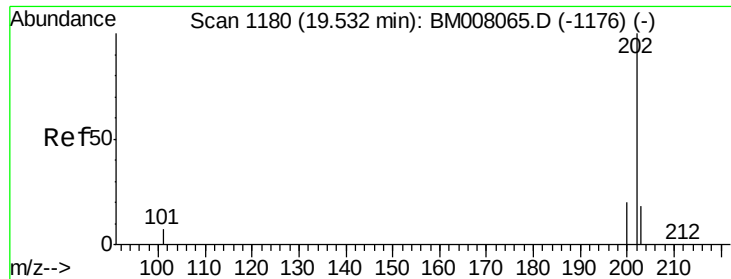


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

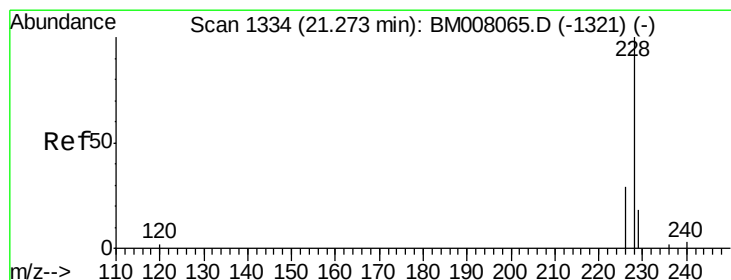
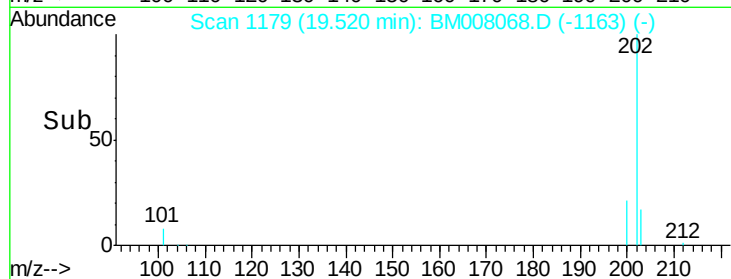
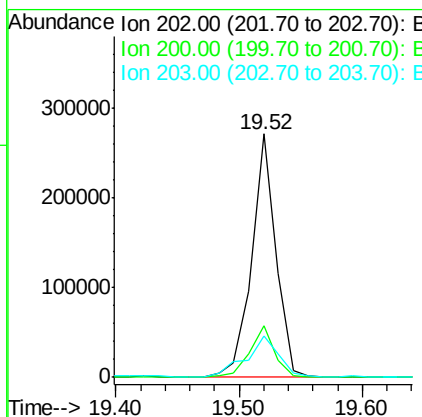
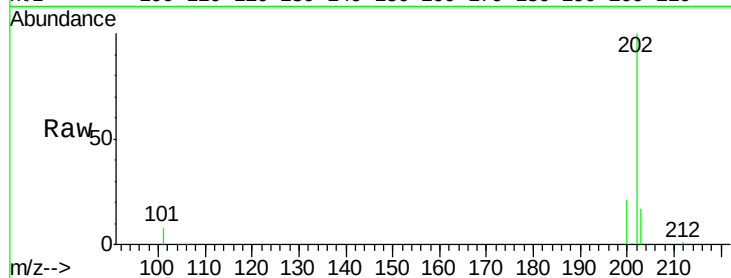




#17
 Pyrene
 Concen: 34.10 ng/ul
 RT: 19.52 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BM008068.D
 Acq: 24 Nov 2016 11:30

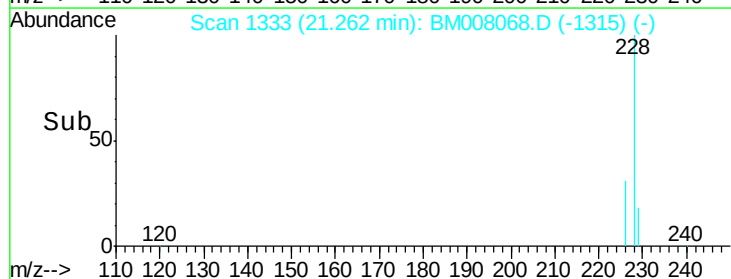
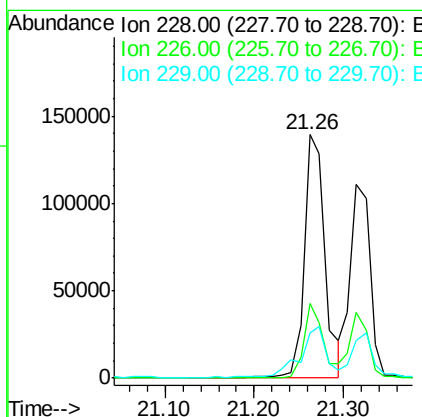
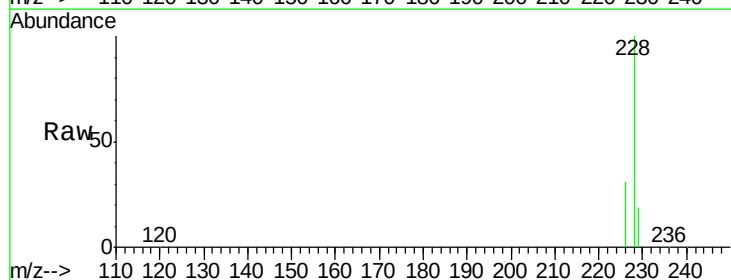
Instrument :
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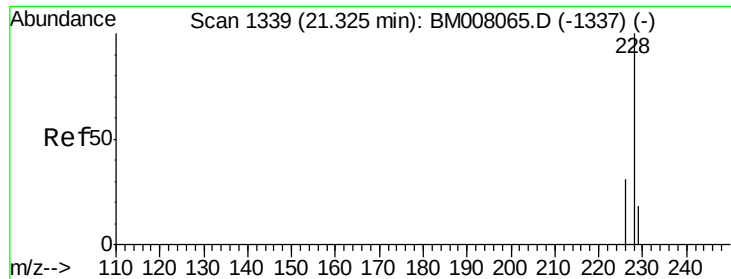
Tgt Ion: 202 Resp: 372699
 Ion Ratio Lower Upper
 202 100
 200 21.1 18.2 27.4
 203 17.2 15.6 23.4



#18
 Benzo(a)anthracene
 Concen: 22.89 ng/ul
 RT: 21.26 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BM008068.D
 Acq: 24 Nov 2016 11:30

Tgt Ion: 228 Resp: 221187
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.8 34.2
 229 18.5 17.0 25.6





#19

Chrysene

Concen: 14.08 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BM008068.D

Acq: 24 Nov 2016 11:30

Instrument :

BNA_M

ClientSampleId :

A4WD7MS

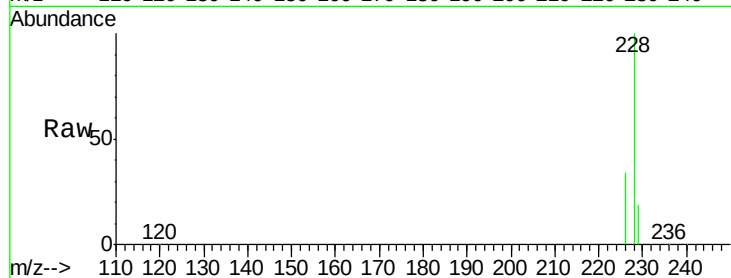
Tgt Ion:228 Resp: 169249

Ion Ratio Lower Upper

228 100

226 34.1 23.4 35.0

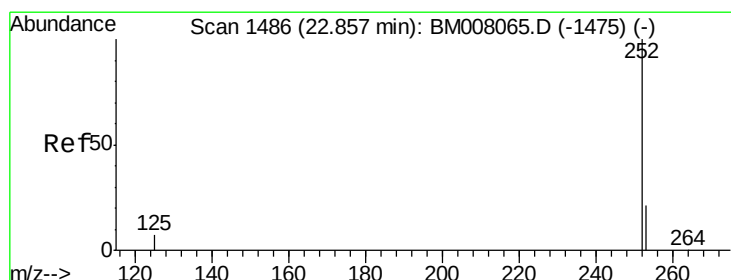
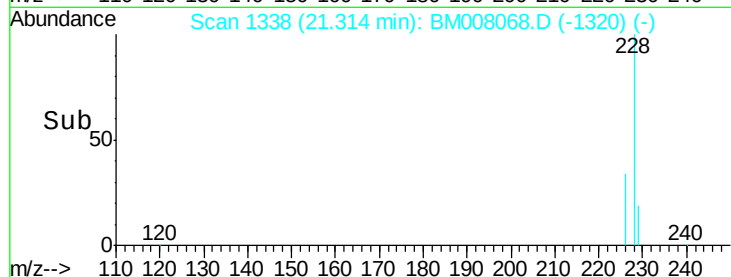
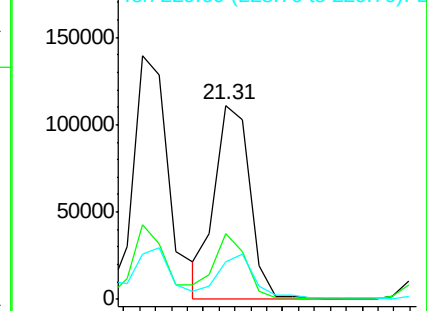
229 19.1 17.7 26.5



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: 25.44 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BM008068.D

Acq: 24 Nov 2016 11:30

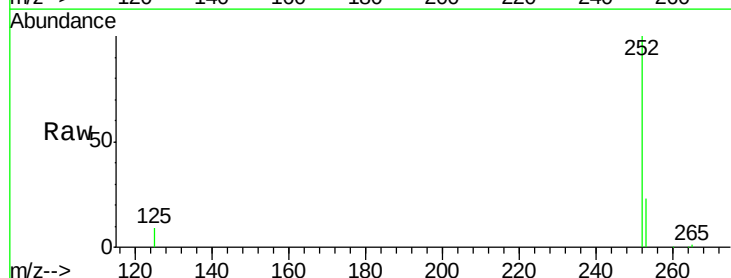
Tgt Ion:252 Resp: 292948

Ion Ratio Lower Upper

252 100

253 23.4 0.0 64.2

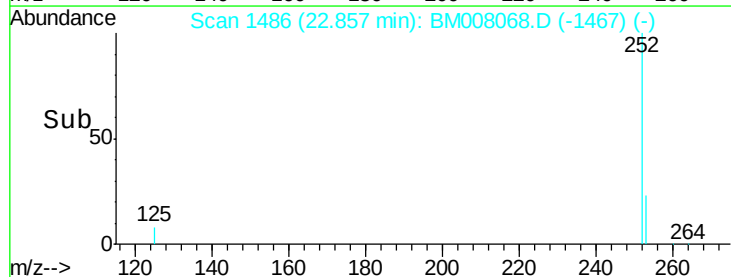
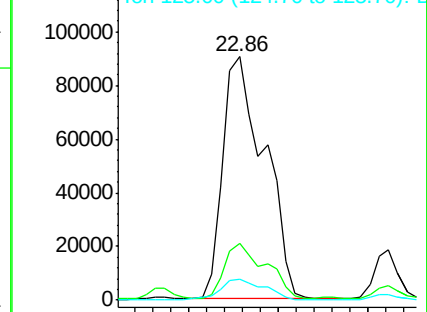
125 8.6 0.0 35.0

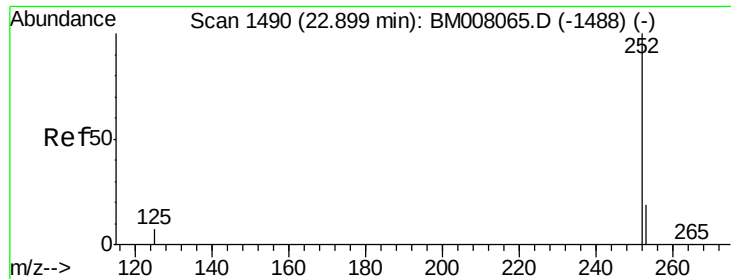


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

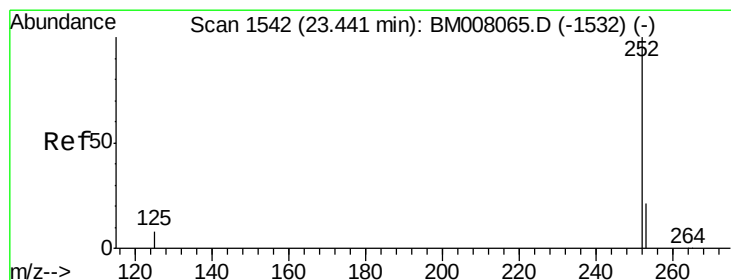
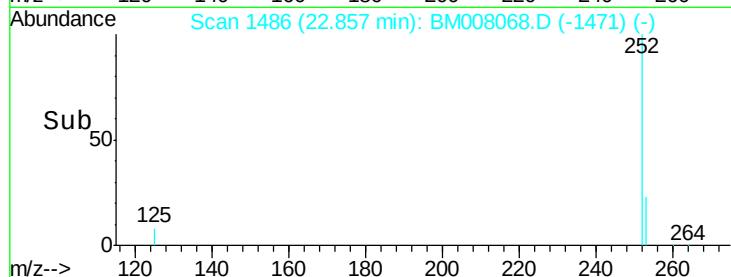
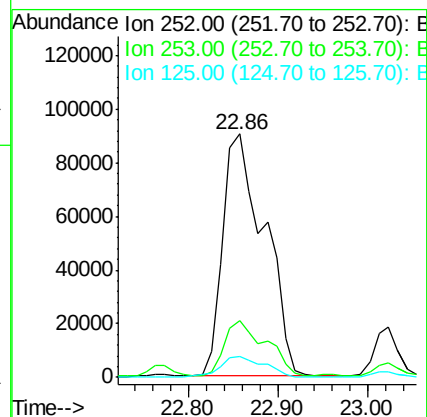
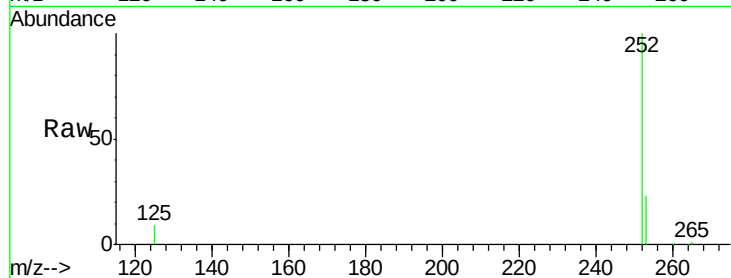




#22
Benzo(k)fluoranthene
Concen: 24.66 ng/ul
RT: 22.86 min Scan# 1486
Delta R.T. -0.04 min
Lab File: BM008068.D
Acq: 24 Nov 2016 11:30

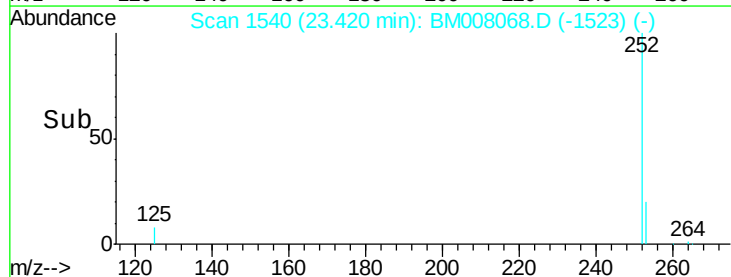
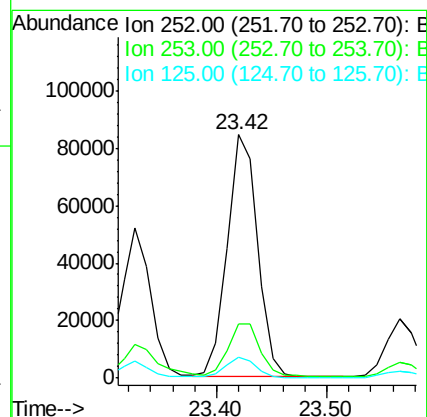
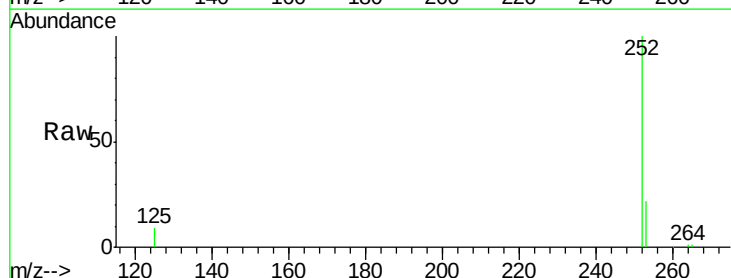
Instrument :
BNA_M
ClientSampleId :
A4WD7MS

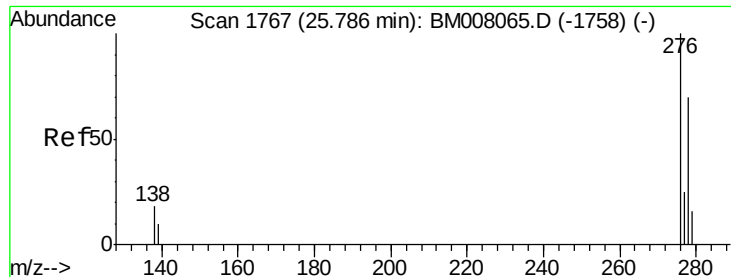
Tgt Ion:252 Resp: 292948
Ion Ratio Lower Upper
252 100
253 23.4 24.5 36.7#
125 8.6 13.7 20.5#



#23
Benzo(a)pyrene
Concen: 14.91 ng/ul
RT: 23.42 min Scan# 1540
Delta R.T. -0.02 min
Lab File: BM008068.D
Acq: 24 Nov 2016 11:30

Tgt Ion:252 Resp: 160859
Ion Ratio Lower Upper
252 100
253 22.0 28.5 42.7#
125 8.8 18.1 27.1#

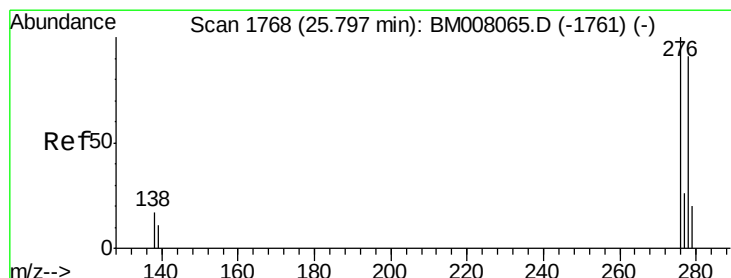
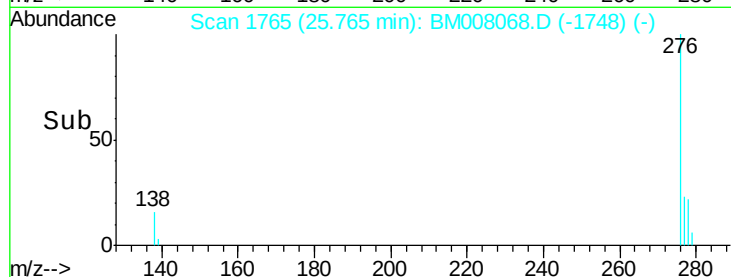
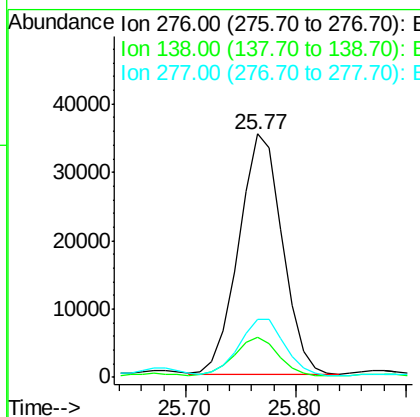
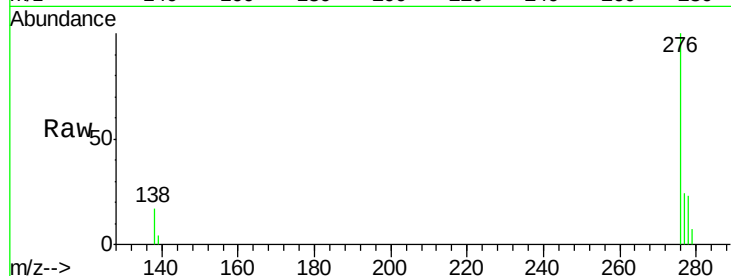




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 7.25 ng/ul
 RT: 25.77 min Scan# 1765
 Delta R.T. -0.02 min
 Lab File: BM008068.D
 Acq: 24 Nov 2016 11:30

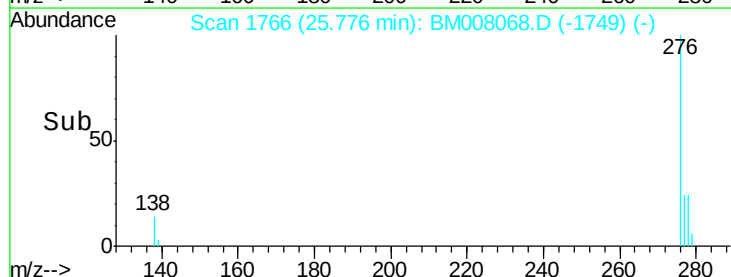
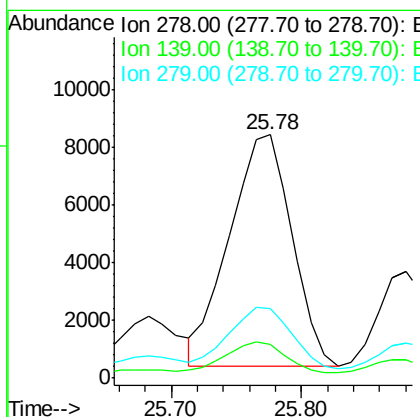
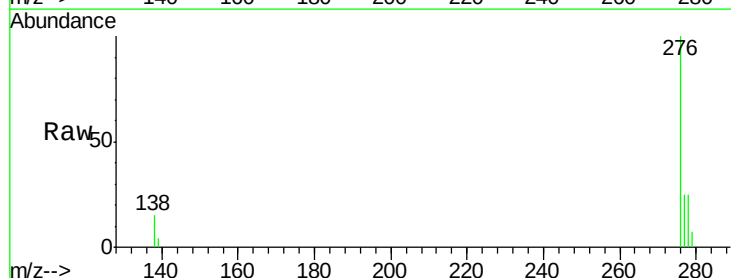
Instrument :
 BNA_M
 ClientSampleId :
 A4WD7MS

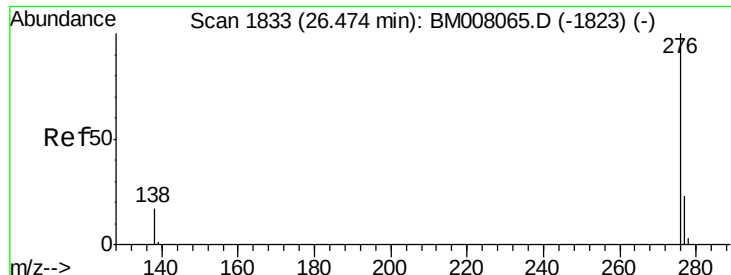
Tgt Ion:276 Resp: 96720
 Ion Ratio Lower Upper
 276 100
 138 16.2 19.1 28.7#
 277 24.6 19.6 29.4



#25
 Dibenzo(a,h)anthracene
 Concen: 2.49 ng/ul
 RT: 25.78 min Scan# 1766
 Delta R.T. -0.02 min
 Lab File: BM008068.D
 Acq: 24 Nov 2016 11:30

Tgt Ion:278 Resp: 26627
 Ion Ratio Lower Upper
 278 100
 139 14.1 17.4 26.0#
 279 28.7 25.9 38.9





#26

Benzo(g,h,i)perylene

Concen: 6.73 ng/ul

RT: 26.45 min Scan# 1831

Delta R.T. -0.02 min

Lab File: BM008068.D

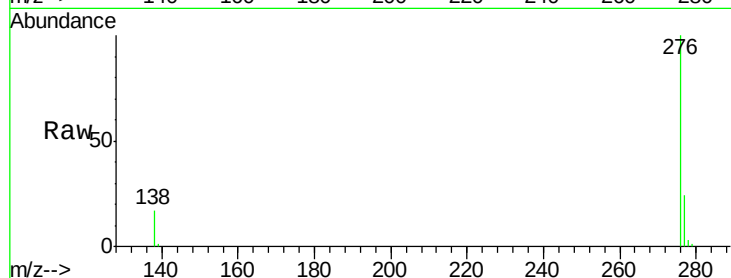
Acq: 24 Nov 2016 11:30

Instrument :

BNA_M

ClientSampleId :

A4WD7MS



Tgt Ion: 276 Resp: 79639

Ion Ratio Lower Upper

276 100

277 23.7 21.8 32.8

138 16.9 20.5 30.7#

