

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012833.D
 Acq On : 08 Nov 2017 22:19
 Operator : SJ/JU
 Sample : I6032-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-31(1-2)-101817

Quant Time: Nov 09 03:59:36 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 03:48:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	161604	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	662418	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	402330	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	1298163	20.00	ng/ul	0.11
77) Chrysene-d12	21.37	240	722215	20.00	ng/ul	0.00
85) Perylene-d12	23.65	264	763772	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	13202	4.41	ng/uL	0.00
5) Phenol-d5	6.98	99	320307	26.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	184757	28.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	284639	28.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	278255	26.81	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	142913	29.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	163954	29.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	316526	27.57	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	302465	27.30	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	1018669	30.60	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1209587	29.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	114150	21.40	ng/ul	0.01
57) Fluorene-d10	15.43	176	858981	30.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	62862	7.33	ng/ul	0.01
70) Anthracene-d10	17.29	188	1297856	20.69	ng/ul	0.00
78) Pyrene-d10	19.58	212	1247939	37.24	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	1204950	33.37	ng/ul	0.01

Target Compounds

					Ovalue
4) Benzaldehyde	6.95	77	12346	1.93 ng/ul#	1
6) Phenol	7.00	94	33581	2.72 ng/ul	97
14) Acetophenone	8.60	105	32013	2.05 ng/ul#	38
17) Hexachloroethane	8.90	117	5198	1.25 ng/ul#	7
28) Naphthalene	10.64	128	231864	7.00 ng/ul	98
30) 4-Chloroaniline	10.64	127	30720	2.76 ng/ul#	12
34) 2-Methylnaphthalene	12.25	142	52778	2.09 ng/ul	98
44) Dimethylphthalate	13.90	163	278671	8.43 ng/ul#	99
49) Acenaphthene	14.50	153	27774	1.02 ng/ul	98
58) Fluorene	15.49	166	33162	1.01 ng/ul	95
60) 4-Nitroaniline	15.52	138	6697	1.03 ng/ul	88
69) Phenanthrene	17.32	178	215209	3.03 ng/ul	97
71) Anthracene	17.32	178	214536	2.92 ng/ul	98
75) Di-n-butylphthalate	18.15	149	260869	3.63 ng/ul	99
79) Pyrene	19.61	202	1054079	24.46 ng/ul#	93
82) Benzo(a)anthracene	21.35	228	559067	12.79 ng/ul	98
84) Chrysene	21.40	228	515278	13.01 ng/ul	97
87) Benzo(b)fluoranthene	22.97	252	741896	15.89 ng/ul#	97
88) Benzo(k)fluoranthene	22.97	252	741896	16.72 ng/ul	97
90) Benzo(a)pyrene	23.46	252	357752	8.06 ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.97	276	396896	7.41 ng/ul#	87
92) Dibenzo(a,h)anthracene	25.97	278	105671	2.33 ng/ul#	93
93) Benzo(g,h,i)perylene	26.68	276	338592	7.68 ng/ul#	90

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Response via : Initial Calibration

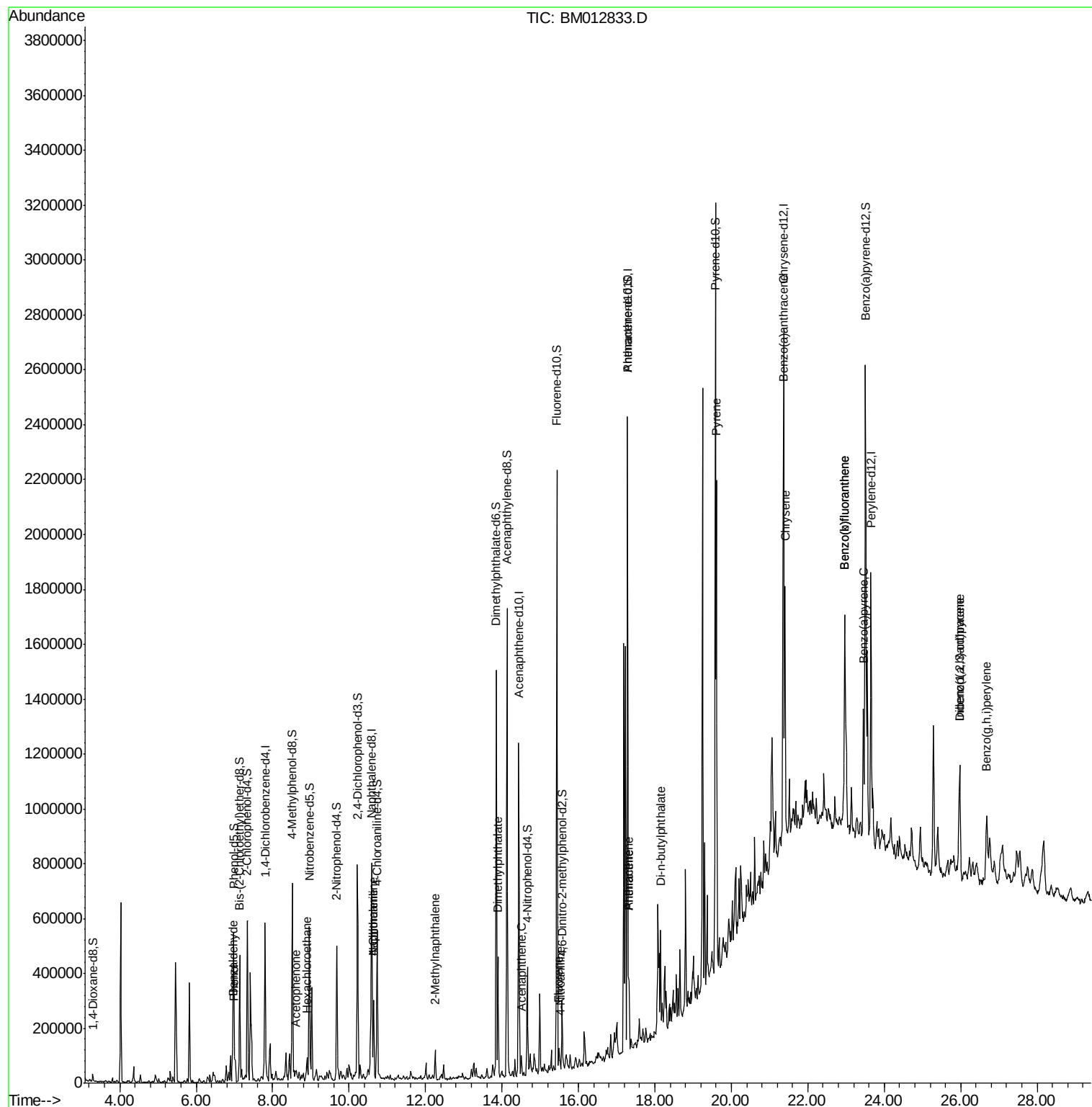
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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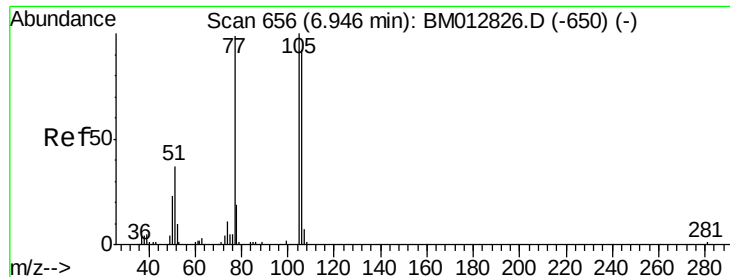
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.93 ng/ul

RT: 6.95 min Scan# 657

Delta R.T. 0.01 min

Lab File: BM012833.D

Acq: 08 Nov 2017 22:19

Instrument :

BNA_M

ClientSampleId :

B-31(1-2)-101817

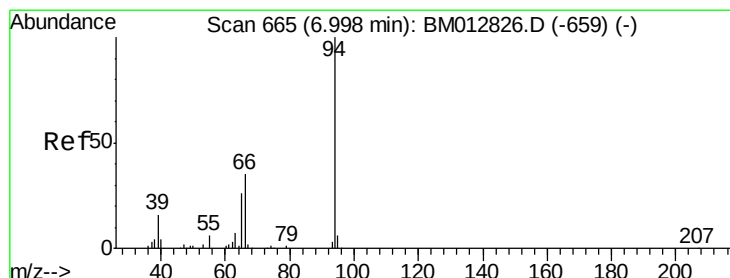
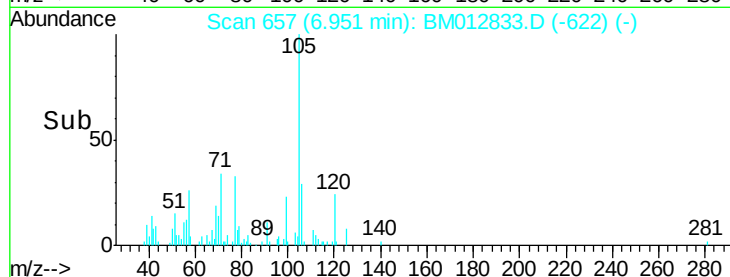
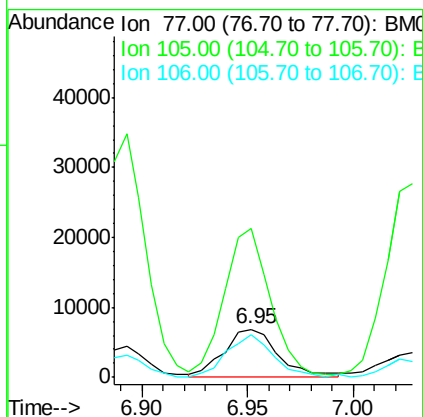
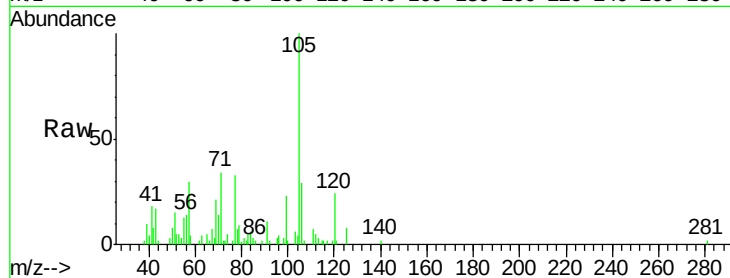
Tot Ion: 77 Resp: 12346

Ion Ratio Lower Upper

77 100

105 307.2 80.6 120.8#

106 89.6 77.7 116.5



#6

Phenol

Concen: 2.72 ng/ul

RT: 7.00 min Scan# 666

Delta R.T. 0.01 min

Lab File: BM012833.D

Acq: 08 Nov 2017 22:19

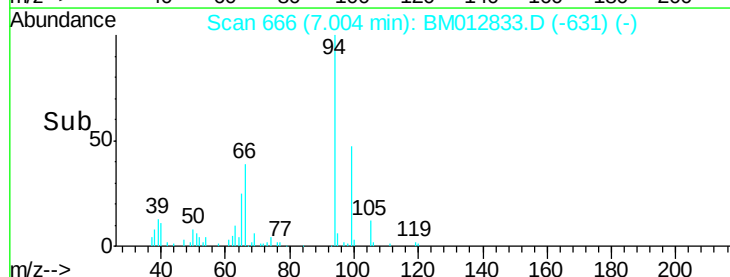
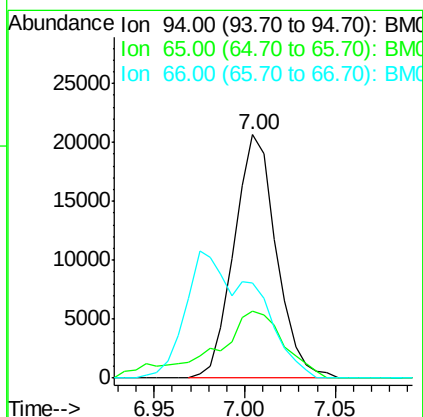
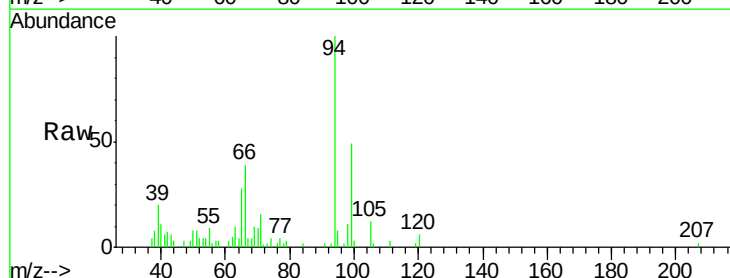
Tgt Ion: 94 Resp: 33581

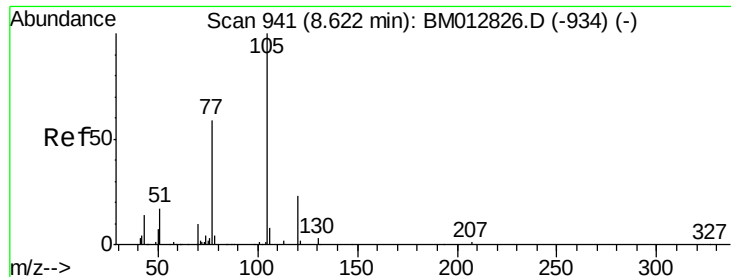
Ion Ratio Lower Upper

94 100

65 27.5 21.0 31.6

66 38.8 29.3 43.9





#14

Acetophenone

Concen: 2.05 ng/ul

RT: 8.60 min Scan# 937

Delta R.T. -0.02 min

Lab File: BM012833.D

Acq: 08 Nov 2017 22:19

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B-31(1-2)-101817

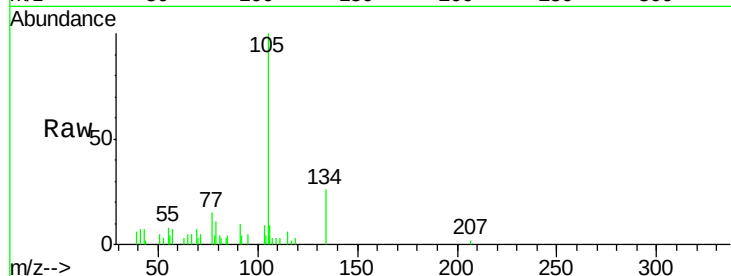
Tot Ion:105 Resp: 32013

Ion Ratio Lower Upper

105 100

77 14.8 59.0 88.4#

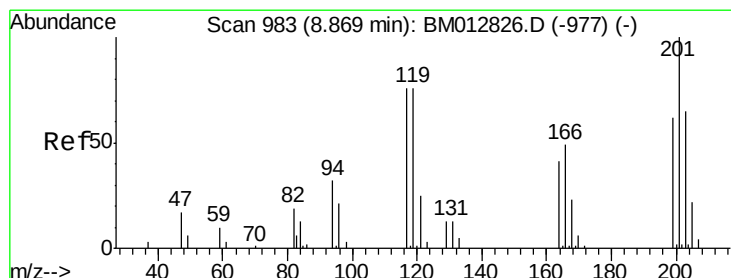
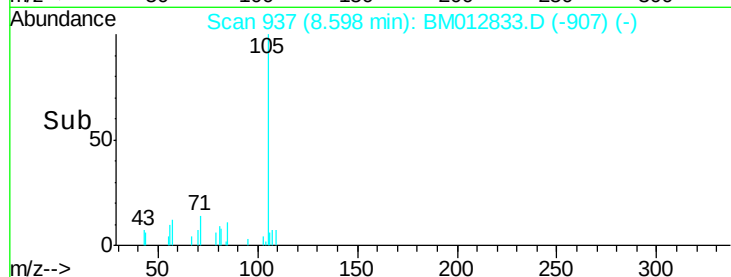
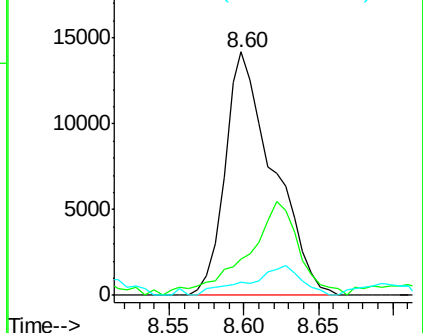
51 5.3 16.4 24.6#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#17

Hexachloroethane

Concen: 1.25 ng/ul

RT: 8.90 min Scan# 989

Delta R.T. 0.04 min

Lab File: BM012833.D

Acq: 08 Nov 2017 22:19

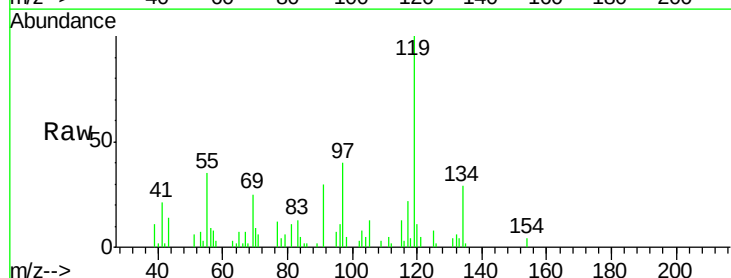
Tgt Ion:117 Resp: 5198

Ion Ratio Lower Upper

117 100

201 0.0 81.5 122.3#

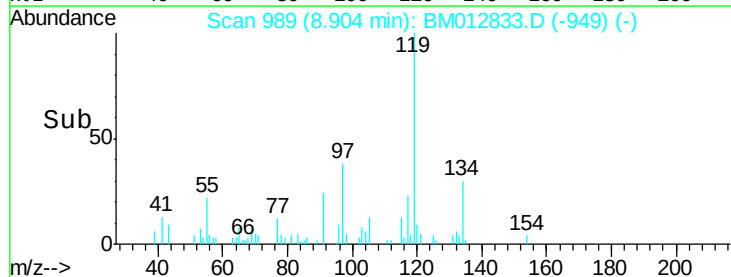
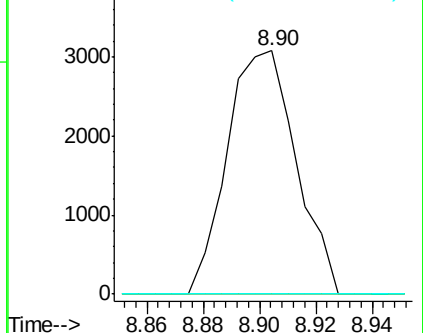
199 0.0 50.6 76.0#

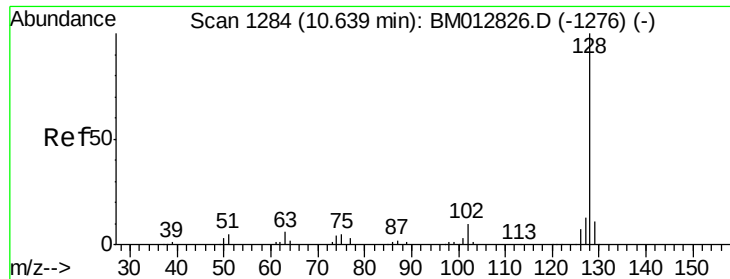


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#28

Naphthalene

Concen: 7.00 ng/ul

RT: 10.64 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BM012833.D

Acq: 08 Nov 2017 22:19

Instrument :

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ClientSampleId :

B-31(1-2)-101817

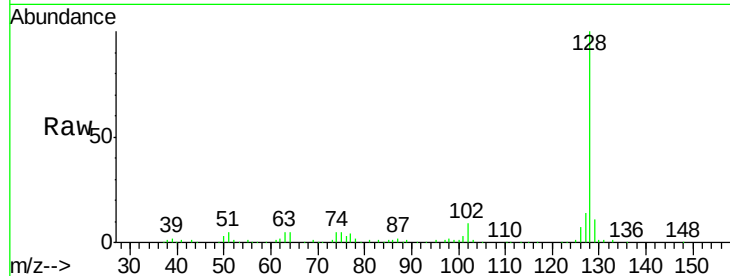
Tot Ion:128 Resp: 231864

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

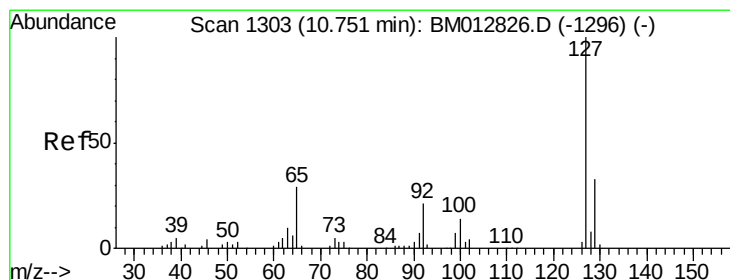
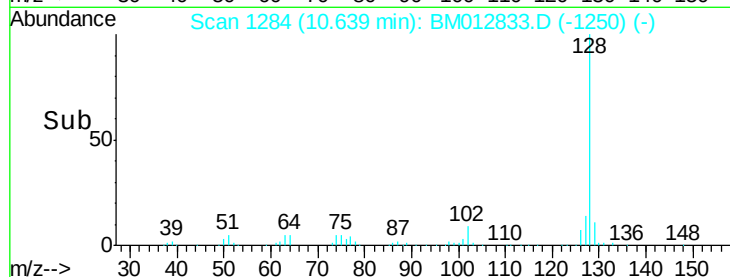
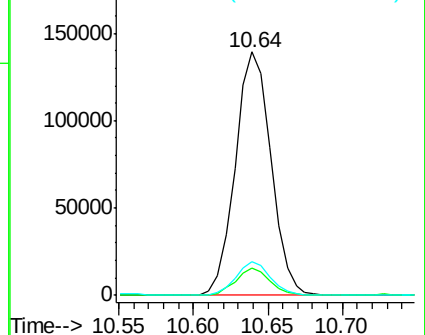
127 14.0 10.5 15.7



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



#30

4-Chloroaniline

Concen: 2.76 ng/ul

RT: 10.64 min Scan# 1284

Delta R.T. -0.11 min

Lab File: BM012833.D

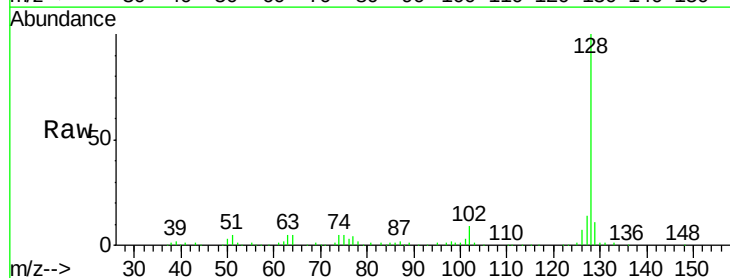
Acq: 08 Nov 2017 22:19

Tgt Ion:127 Resp: 30720

Ion Ratio Lower Upper

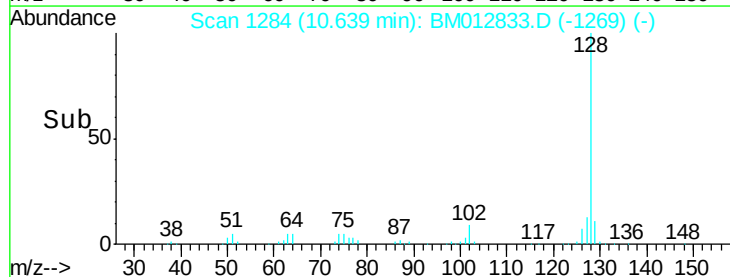
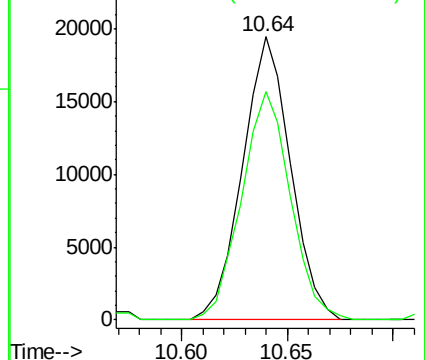
127 100

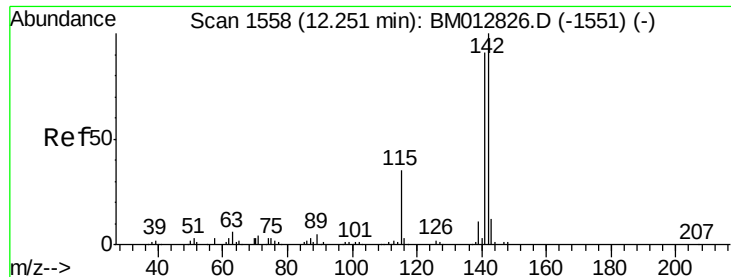
129 80.8 25.4 38.2#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

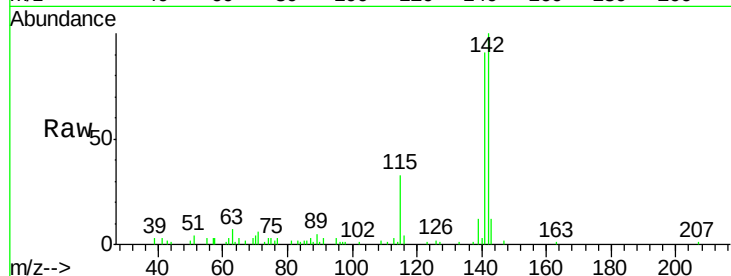




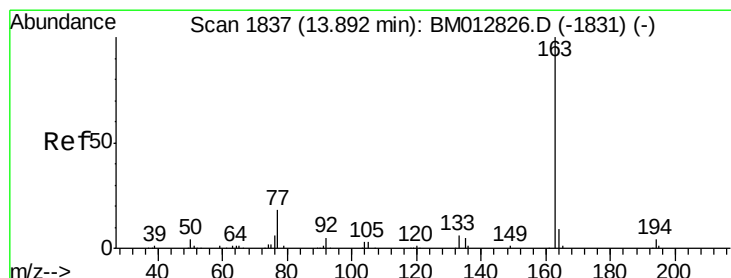
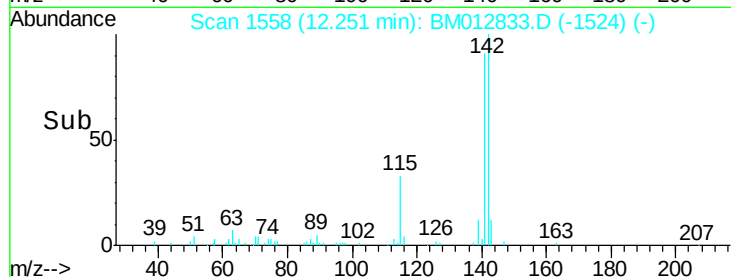
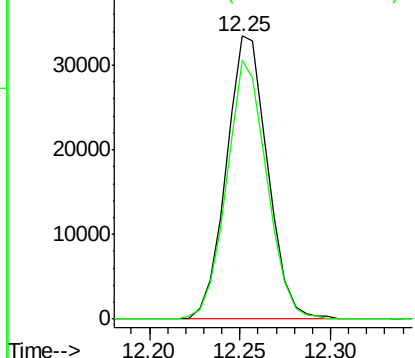
#34
2-Methylnaphthalene
Concen: 2.09 ng/ul
RT: 12.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM012833.D
Acq: 08 Nov 2017 22:19

Instrument :
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B-31(1-2)-101817

Tot Ion:142 Resp: 52778
Ion Ratio Lower Upper
142 100
141 91.4 71.6 107.4

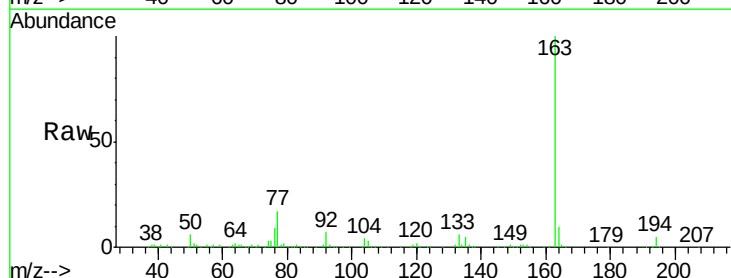


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

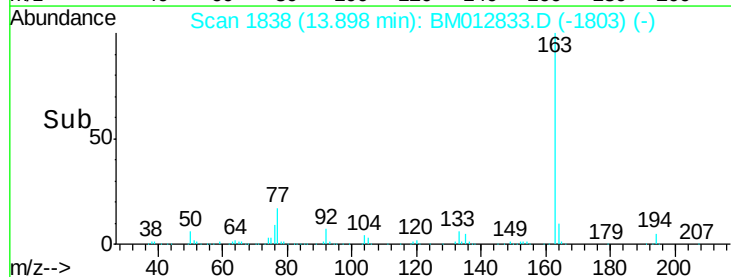
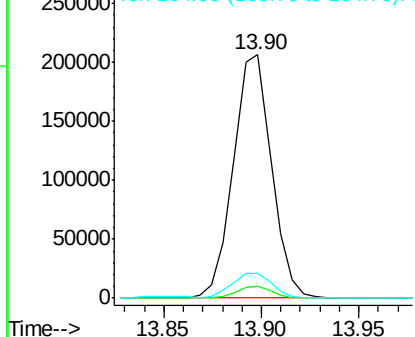


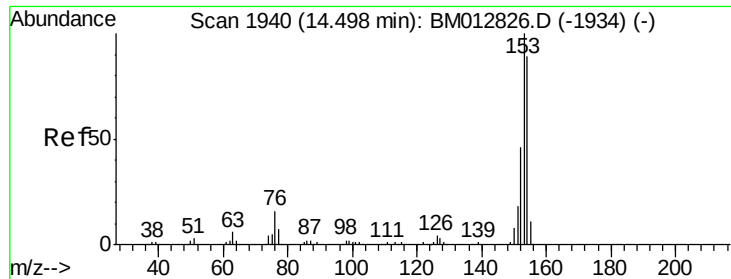
#44
Dimethylphthalate
Concen: 8.43 ng/ul
RT: 13.90 min Scan# 1838
Delta R.T. 0.01 min
Lab File: BM012833.D
Acq: 08 Nov 2017 22:19

Tgt Ion:163 Resp: 278671
Ion Ratio Lower Upper
163 100
194 4.8 3.2 4.8#
164 10.2 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 1.02 ng/ul

RT: 14.50 min Scan# 1941

Delta R.T. 0.01 min

Lab File: BM012833.D

Acq: 08 Nov 2017 22:19

Instrument :

BNA_M

ClientSampleId :

B-31(1-2)-101817

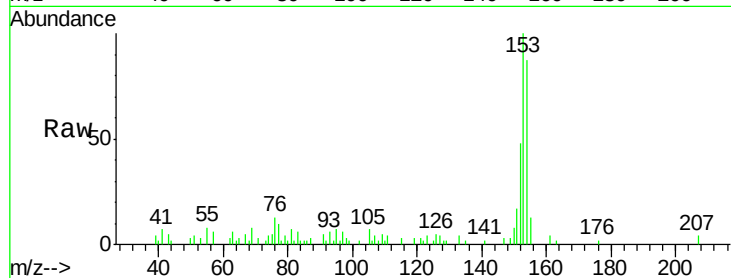
Tot Ion:153 Resp: 27774

Ion Ratio Lower Upper

153 100

152 48.2 38.3 57.5

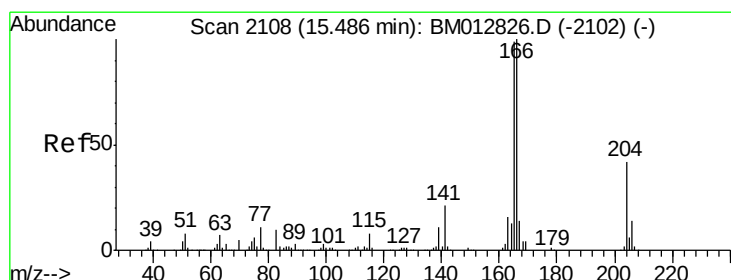
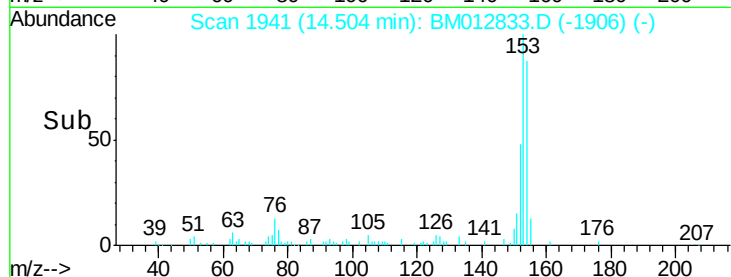
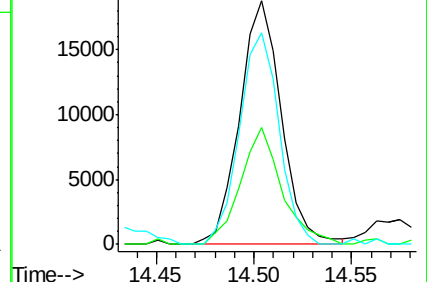
154 87.0 71.8 107.8



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



#58

Fluorene

Concen: 1.01 ng/ul

RT: 15.49 min Scan# 2109

Delta R.T. 0.01 min

Lab File: BM012833.D

Acq: 08 Nov 2017 22:19

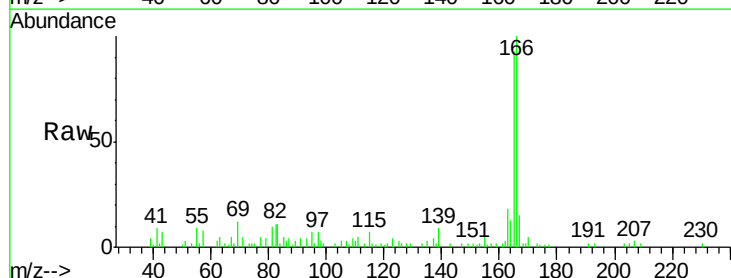
Tgt Ion:166 Resp: 33162

Ion Ratio Lower Upper

166 100

165 92.8 78.5 117.7

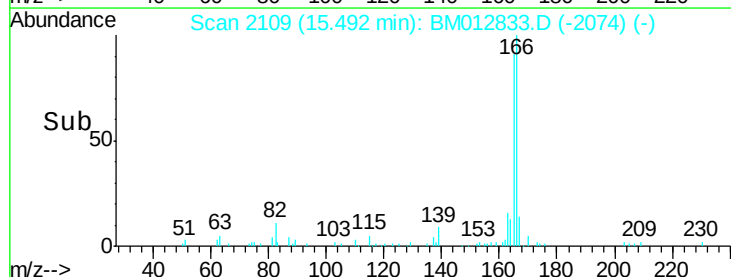
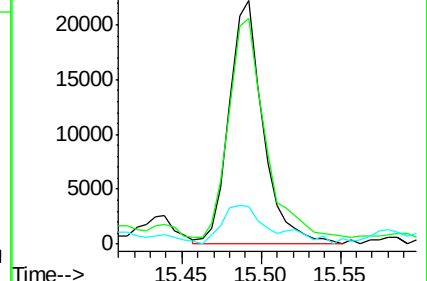
167 15.4 10.7 16.1

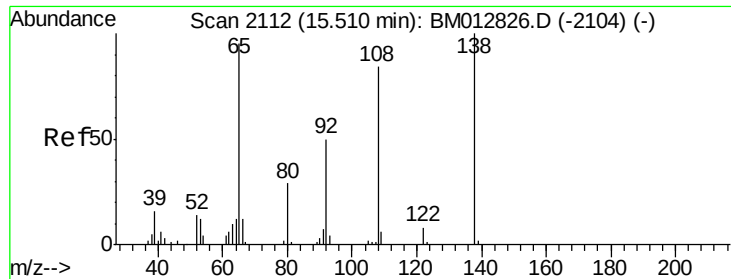


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

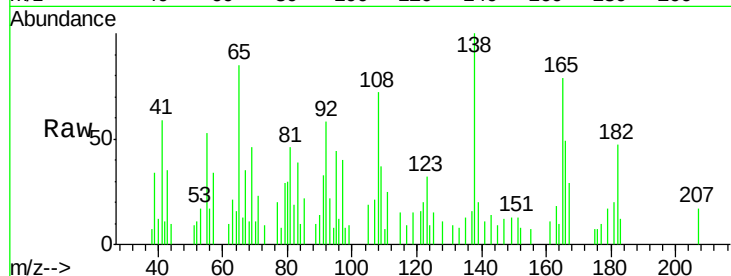




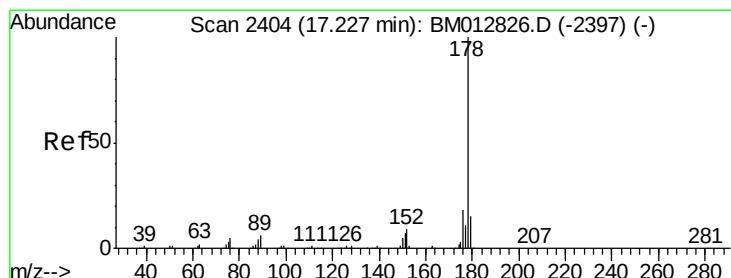
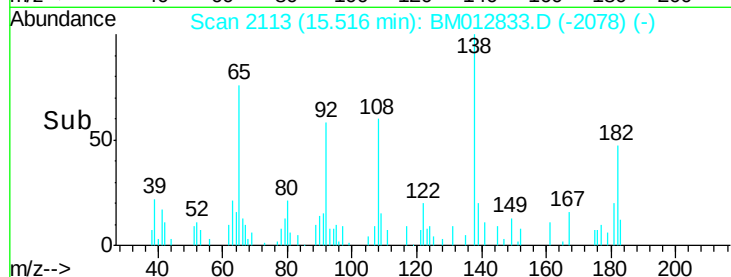
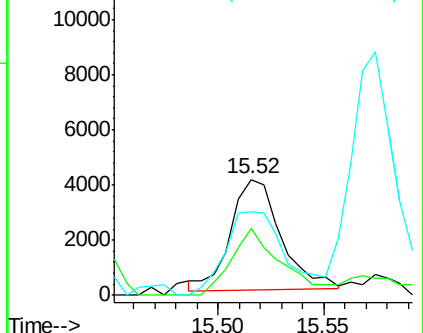
#60
4-Nitroaniline
Concen: 1.03 ng/ul
RT: 15.52 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BM012833.D
Acq: 08 Nov 2017 22:19

Instrument :
BNA_M
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B-31(1-2)-101817

Tot Ion:138 Resp: 6697
Ion Ratio Lower Upper
138 100
92 57.9 40.6 60.8
108 71.6 67.0 100.6

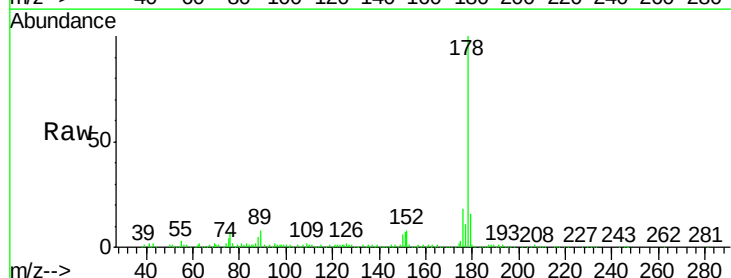


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM012833.D (-2078) (-)
Ion 108.00 (107.70 to 108.70): E

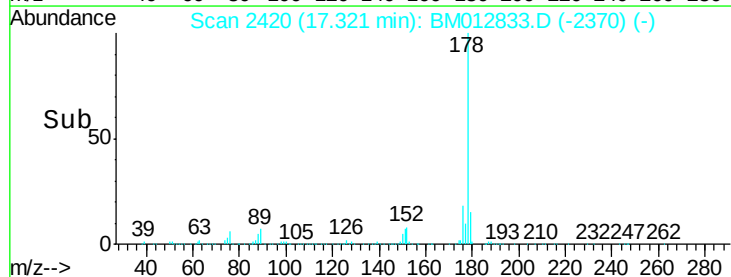
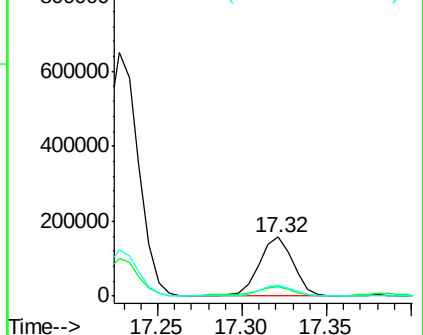


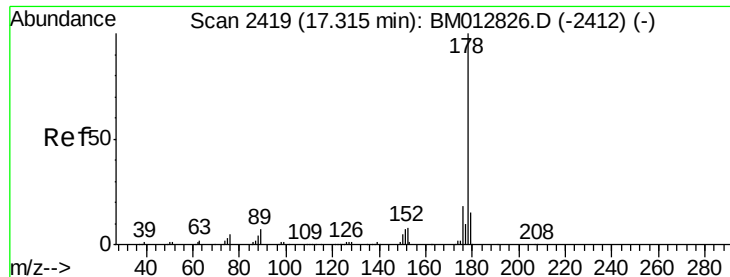
#69
Phenanthrene
Concen: 3.03 ng/ul
RT: 17.32 min Scan# 2420
Delta R.T. 0.09 min
Lab File: BM012833.D
Acq: 08 Nov 2017 22:19

Tgt Ion:178 Resp: 215209
Ion Ratio Lower Upper
178 100
179 16.1 12.2 18.4
176 18.1 15.6 23.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

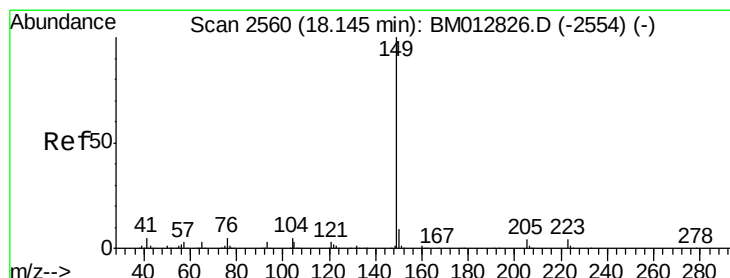
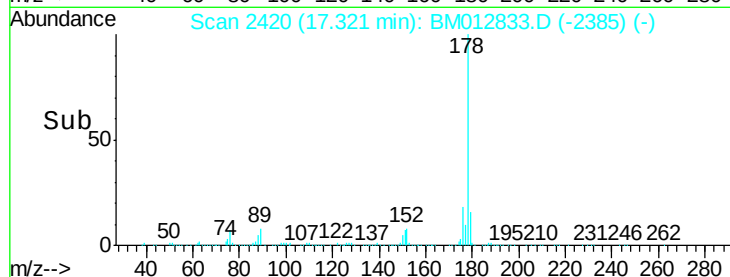
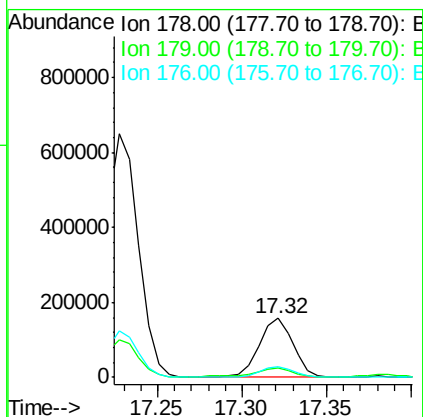
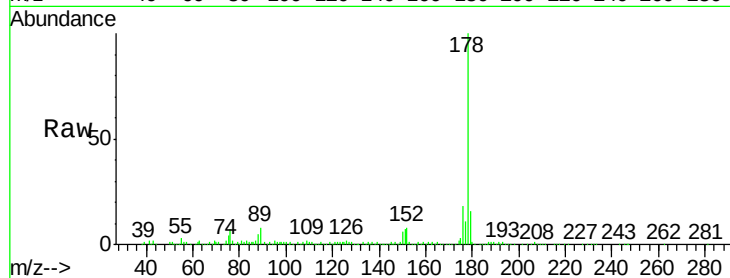




#71
 Anthracene
 Concen: 2.92 ng/ul
 RT: 17.32 min Scan# 2420
 Delta R.T. 0.01 min
 Lab File: BM012833.D
 Acq: 08 Nov 2017 22:19

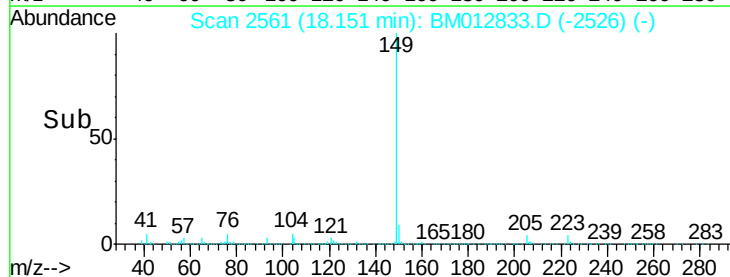
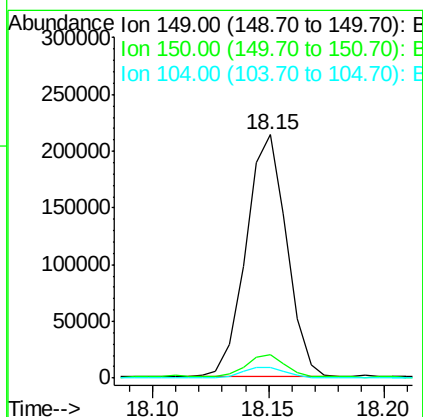
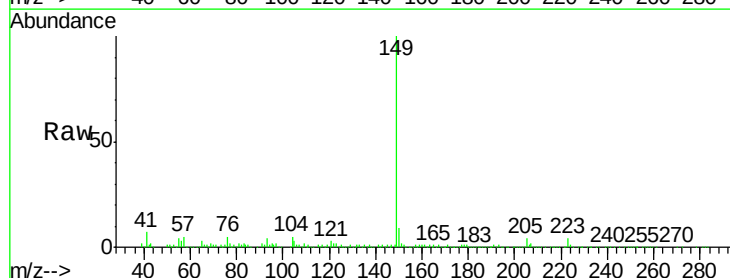
Instrument :
 BNA_M
 ClientSampleId :
 B-31(1-2)-101817

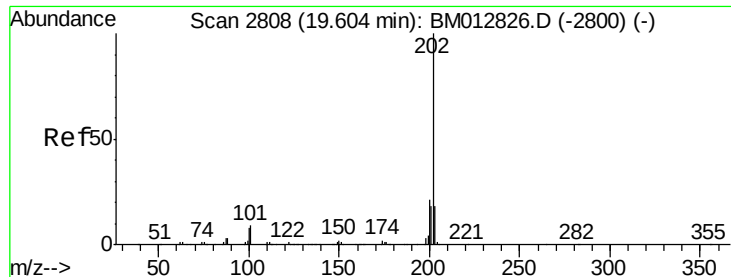
Tot Ion:178 Resp: 214536
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.1 18.1
 176 18.1 14.8 22.2



#75
 Di-n-butylphthalate
 Concen: 3.63 ng/ul
 RT: 18.15 min Scan# 2561
 Delta R.T. 0.01 min
 Lab File: BM012833.D
 Acq: 08 Nov 2017 22:19

Tgt Ion:149 Resp: 260869
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.4 11.0
 104 4.6 4.0 6.0





#79

Pvrene

Concen: 24.46 ng/ul

RT: 19.61 min Scan# 2809

Delta R.T. 0.01 min

Lab File: BM012833.D

Acq: 08 Nov 2017 22:19

Instrument :

BNA_M

ClientSampleId :

B-31(1-2)-101817

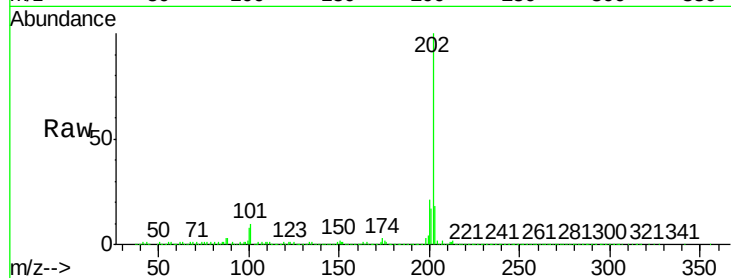
Tot Ion:202 Resp: 1054079

Ion Ratio Lower Upper

202 100

101 9.9 10.2 15.2#

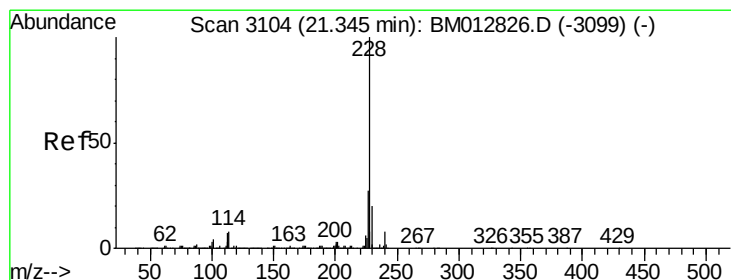
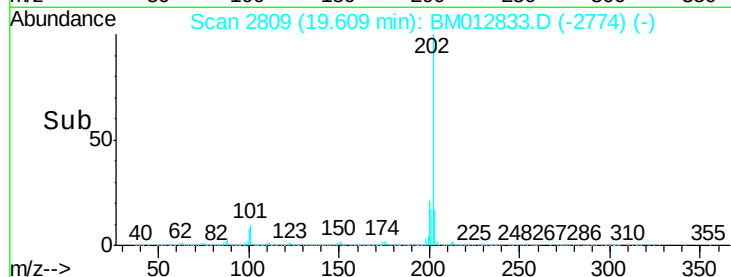
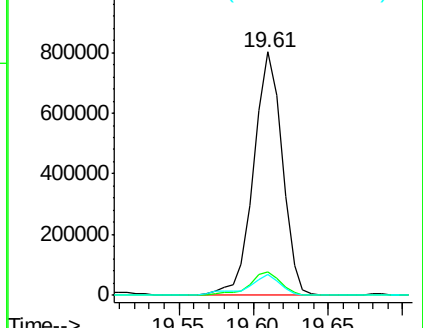
100 8.3 8.5 12.7#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 12.79 ng/ul

RT: 21.35 min Scan# 3105

Delta R.T. 0.01 min

Lab File: BM012833.D

Acq: 08 Nov 2017 22:19

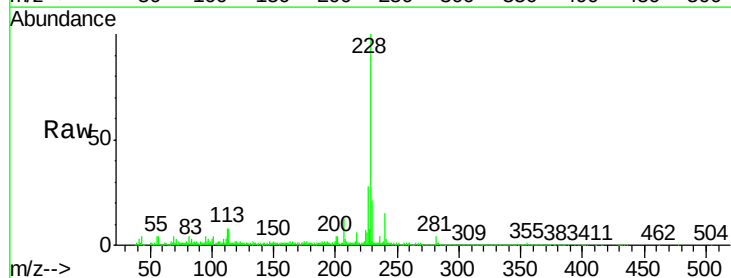
Tgt Ion:228 Resp: 559067

Ion Ratio Lower Upper

228 100

229 21.5 15.7 23.5

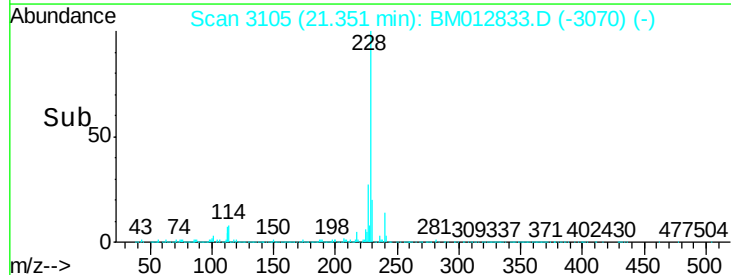
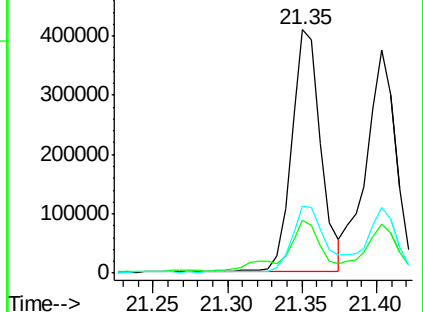
226 27.5 21.8 32.6

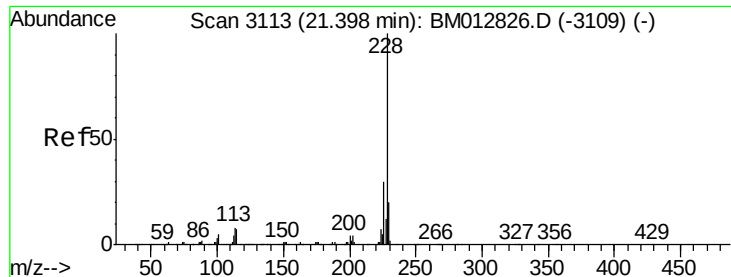


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 13.01 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BM012833.D

Acq: 08 Nov 2017 22:19

Instrument :

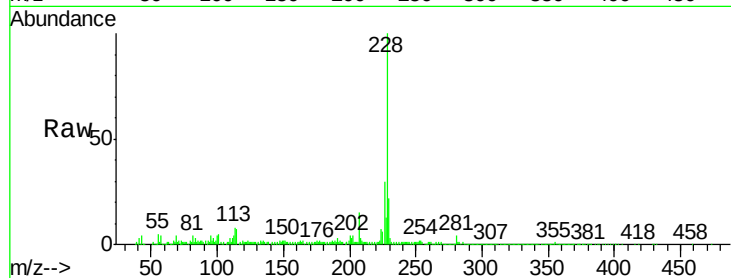
BNA_M

ClientSampleId :

B-31(1-2)-101817

Tot Ion:228 Resp: 515278

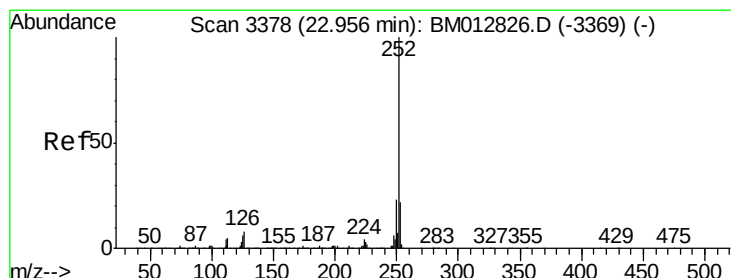
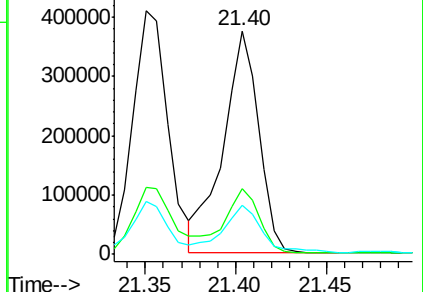
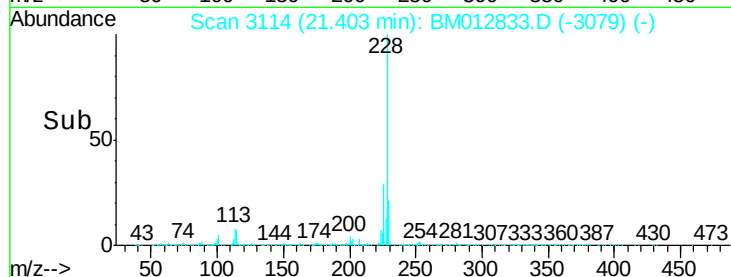
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	22.0	15.6	23.4



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



#87

Benzo(b)fluoranthene

Concen: 15.89 ng/ul

RT: 22.97 min Scan# 3380

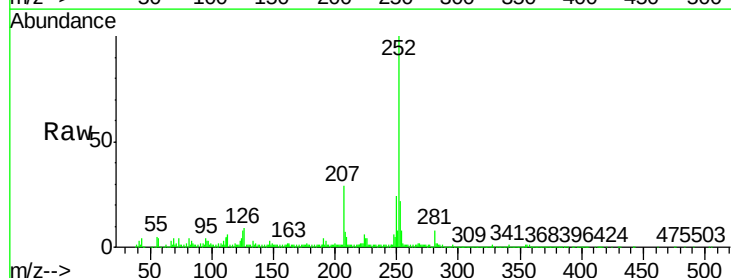
Delta R.T. 0.01 min

Lab File: BM012833.D

Acq: 08 Nov 2017 22:19

Tgt Ion:252 Resp: 741896

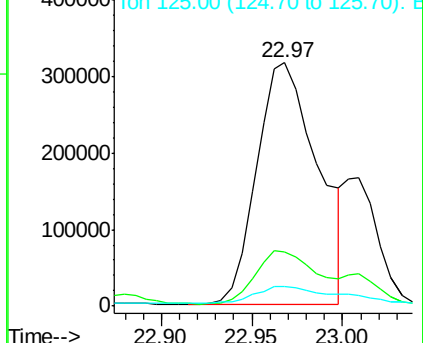
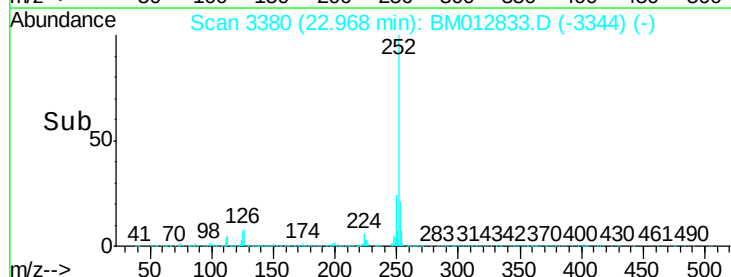
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	8.2	8.5	12.7

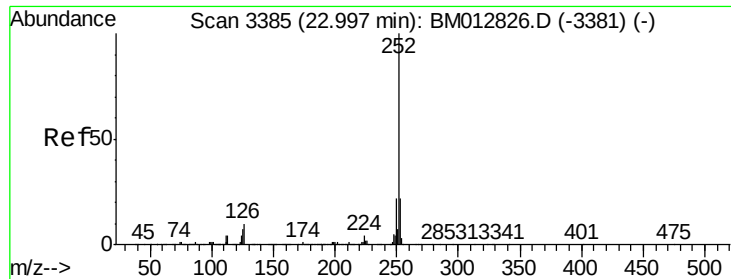


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

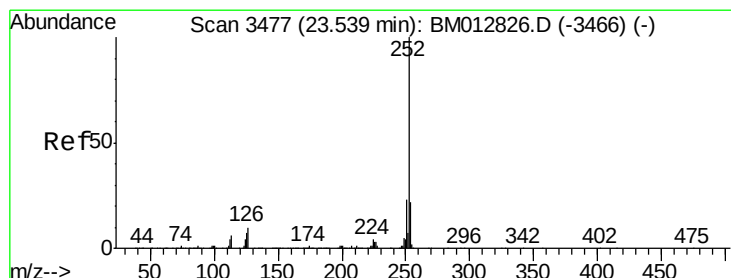
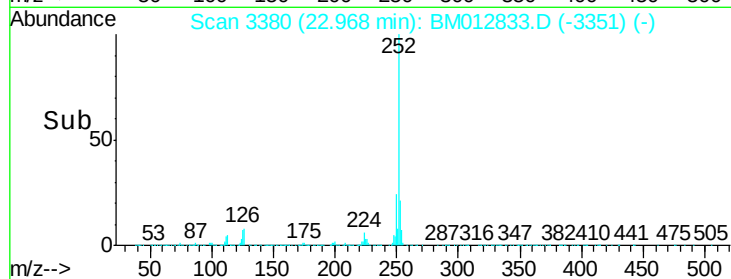
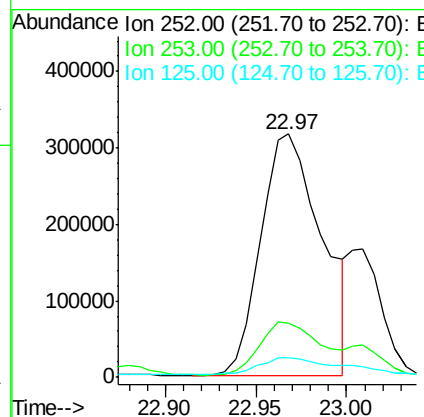
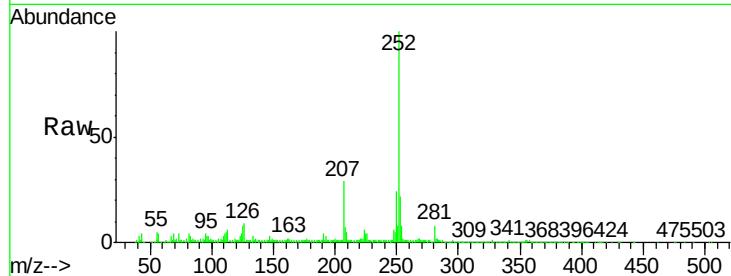




#88
Benzo(k)fluoranthene
Concen: 16.72 ng/ul
RT: 22.97 min Scan# 3380
Delta R.T. -0.03 min
Lab File: BM012833.D
Acq: 08 Nov 2017 22:19

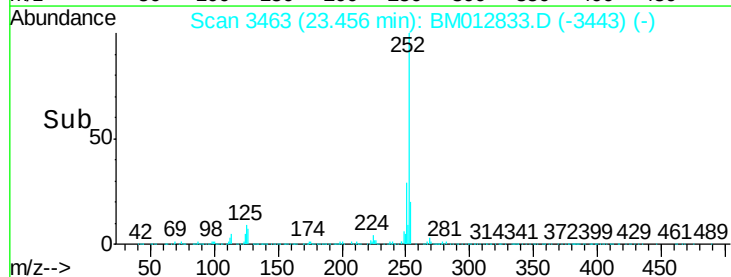
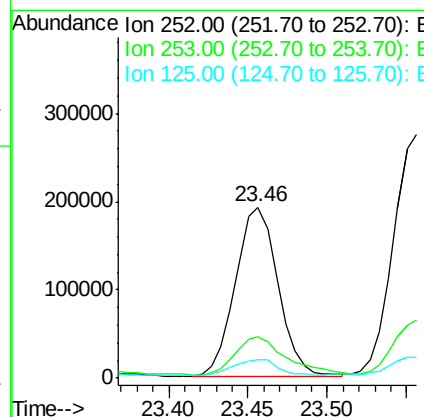
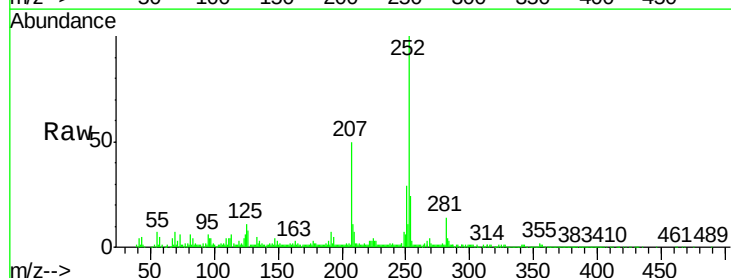
Instrument :
BNA_M
ClientSampleId :
B-31(1-2)-101817

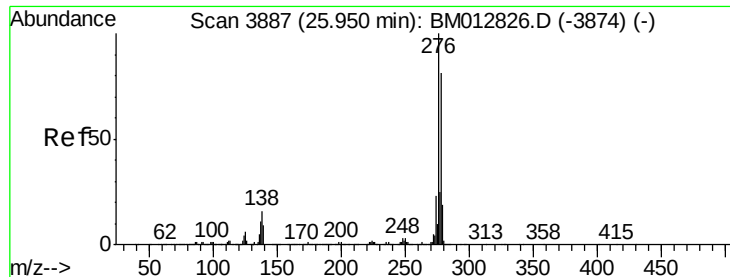
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	8.2	8.2	12.2



#90
Benzo(a)pyrene
Concen: 8.06 ng/ul
RT: 23.46 min Scan# 3463
Delta R.T. -0.08 min
Lab File: BM012833.D
Acq: 08 Nov 2017 22:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	10.9	9.0	13.6





#91

Indeno(1,2,3-cd)pyrene

Concen: 7.41 ng/ul

RT: 25.97 min Scan# 3890

Delta R.T. 0.02 min

Lab File: BM012833.D

Acq: 08 Nov 2017 22:19

Instrument :

BNA_M

ClientSampleId :

B-31(1-2)-101817

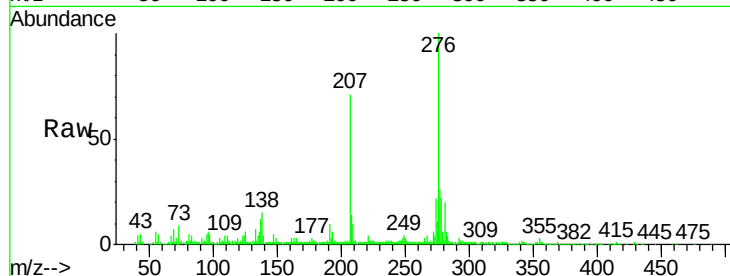
Tot Ion:276 Resp: 396896

Ion Ratio Lower Upper

276 100

138 15.2 22.3 33.5#

277 25.7 20.2 30.2

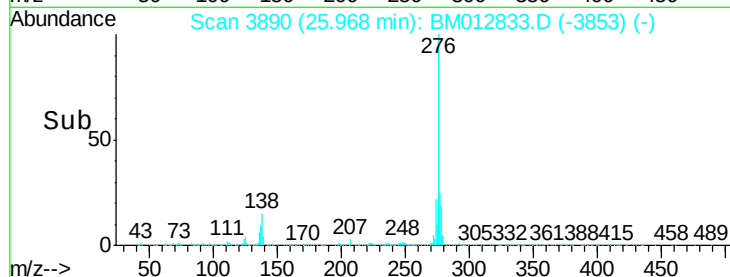


Abundance Ion 276.00 (275.70 to 276.70): E

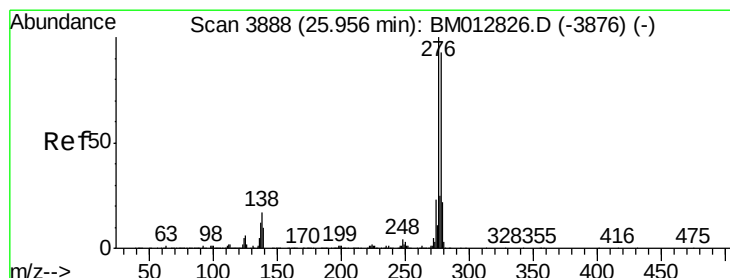
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

25.97



Time-->



#92

Dibenzo(a,h)anthracene

Concen: 2.33 ng/ul

RT: 25.97 min Scan# 3890

Delta R.T. 0.01 min

Lab File: BM012833.D

Acq: 08 Nov 2017 22:19

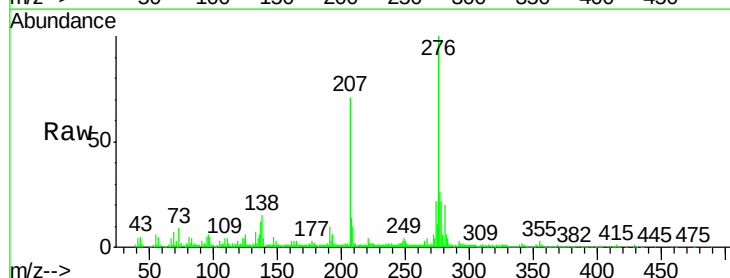
Tgt Ion:278 Resp: 105671

Ion Ratio Lower Upper

278 100

139 17.8 13.9 20.9

279 29.0 19.0 28.4#

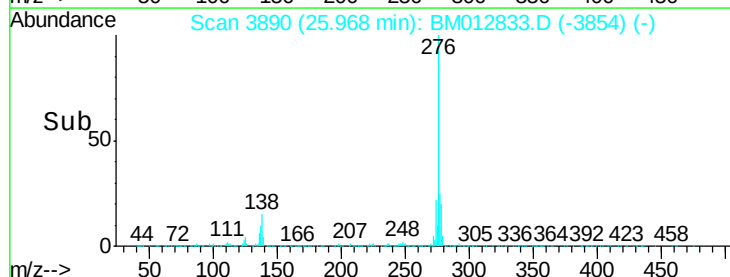


Abundance Ion 278.00 (277.70 to 278.70): E

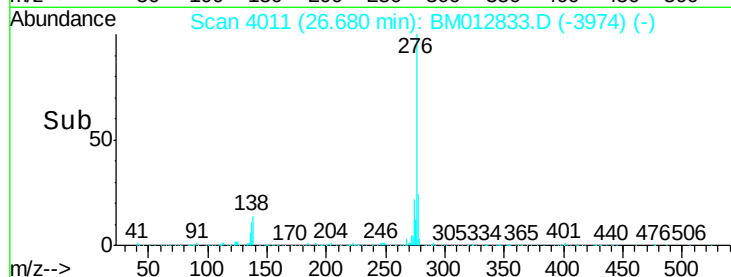
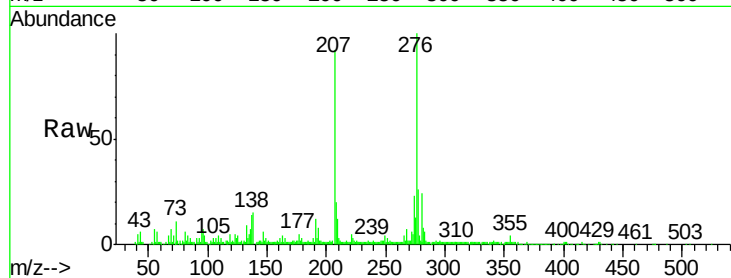
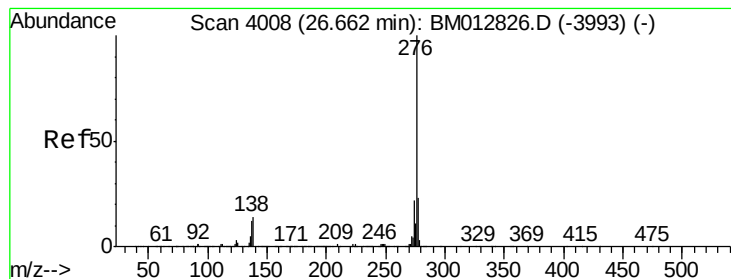
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

25.97



Time-->



#93

Benzo(a,h,i)perylene

Concen: 7.68 ng/ul

RT: 26.68 min Scan# 4011

Delta R.T. 0.02 min

Lab File: BM012833.D

Acq: 08 Nov 2017 22:19

Instrument :

BNA_M

ClientSampleId :

B-31(1-2)-101817

Tot Ion:276 Resp: 338592

Ion Ratio Lower Upper

276 100

138 14.8 18.9 28.3#

277 25.6 19.2 28.8

