

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110417\
 Data File : BM012726.D
 Acq On : 05 Nov 2017 02:31
 Operator : SJ/JU
 Sample : I5825-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-63(0-1)-101117

Quant Time: Nov 06 03:26:18 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 03:22:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	106368	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	434149	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	259329	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	547930	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	546506	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	602862	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	6833	3.47	ng/uL	0.00
5) Phenol-d5	6.99	99	176297	22.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	100118	23.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	155505	23.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	148716	21.77	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	75260	23.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	89075	24.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	175441	23.32	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	12328	1.70	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	547447	25.51	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	677396	25.52	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	54156	15.75	ng/ul	0.00
57) Fluorene-d10	15.44	176	464462	25.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	69552	19.23	ng/ul	0.00
70) Anthracene-d10	17.29	188	666089	25.16	ng/ul	0.00
78) Pyrene-d10	19.59	212	700031	27.61	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	729334	25.59	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.01	94	21159	2.60 ng/ul#	87
21) Isophorone	9.53	82	15759	1.16 ng/ul#	89
44) Dimethylphthalate	13.90	163	83423	3.92 ng/ul	97
47) Acenaphthylene	14.17	152	27700	1.08 ng/ul	100
49) Acenaphthene	14.51	153	46067	2.63 ng/ul	97
53) Dibenzofuran	14.85	168	27239	1.07 ng/ul	97
58) Fluorene	15.50	166	49596	2.34 ng/ul	98
69) Phenanthrene	17.23	178	888997	29.68 ng/ul	99
71) Anthracene	17.33	178	211257	6.80 ng/ul	100
74) Carbazole	17.60	167	99383	3.84 ng/ul	98
75) Di-n-butylphthalate	18.16	149	3597793	118.56 ng/ul	99
76) Fluoranthene	19.25	202	1987302	55.22 ng/ul#	93
79) Pyrene	19.62	202	1685793	51.70 ng/ul#	91
80) Butylbenzylphthalate	20.51	149	138048	11.61 ng/ul#	95
82) Benzo(a)anthracene	21.36	228	939914	28.42 ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.29	149	175581	10.14 ng/ul#	92
84) Chrysene	21.41	228	924149	30.84 ng/ul	98
87) Benzo(b)fluoranthene	22.97	252	1596583	43.34 ng/ul#	97
88) Benzo(k)fluoranthene	22.97	252	1596583	45.59 ng/ul#	97
90) Benzo(a)pyrene	23.46	252	720851	20.56 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.97	276	805202	19.06 ng/ul#	85
92) Dibenz(a,h)anthracene	25.97	278	198408	5.55 ng/ul	97
93) Benzo(g,h,i)perylene	26.68	276	715812	20.56 ng/ul#	90

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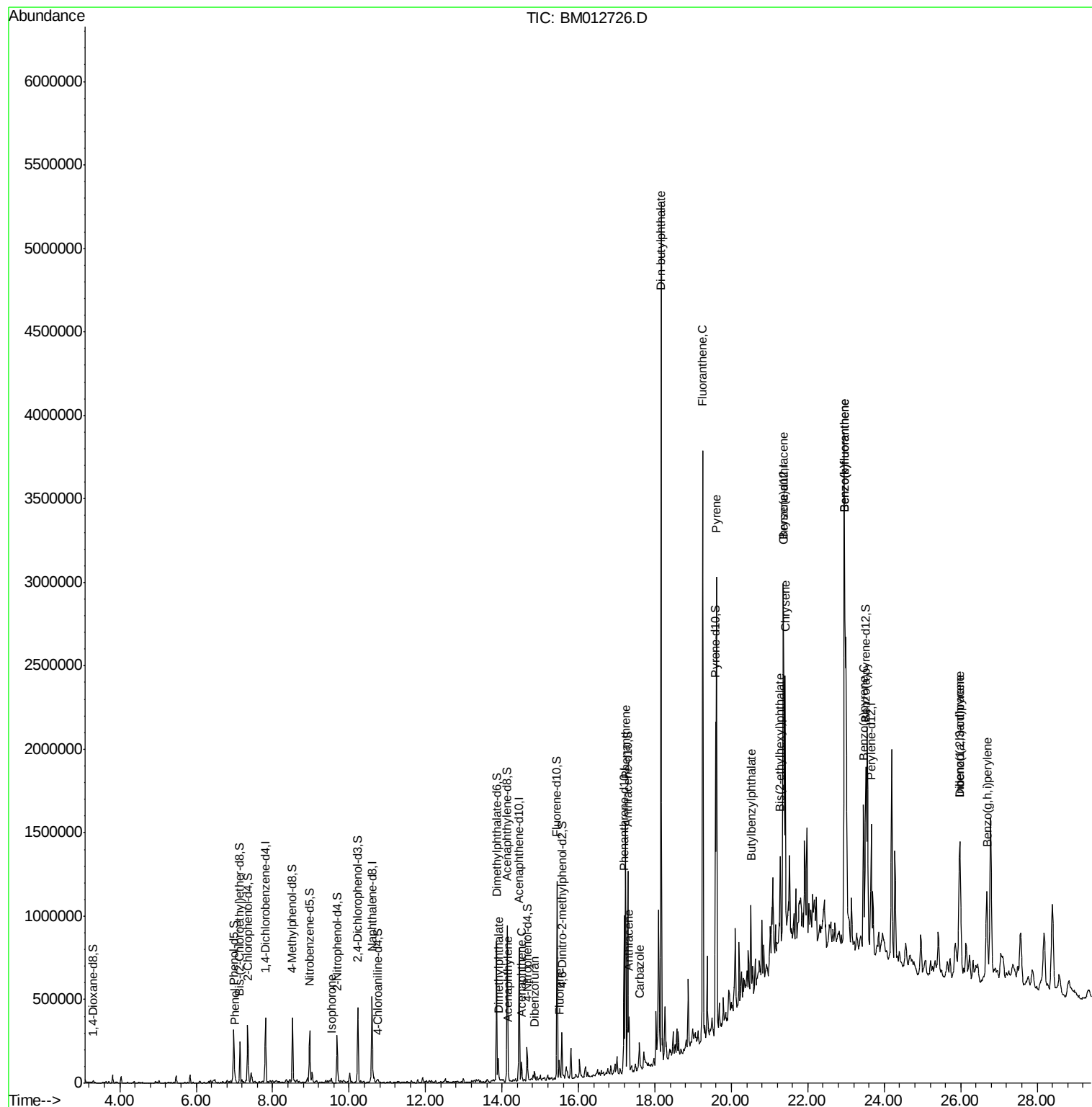
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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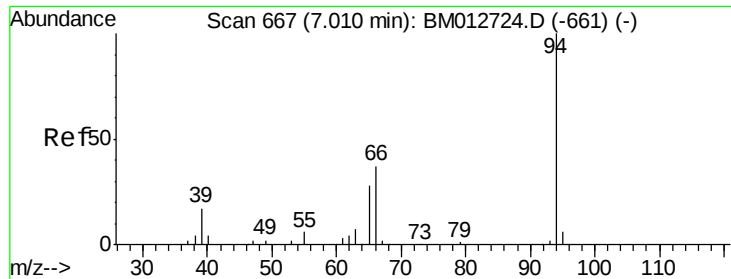
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.60 ng/ul

RT: 7.01 min Scan# 667

Delta R.T. 0.00 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

Instrument :

BNA_M

ClientSampleId :

B-63(0-1)-101117

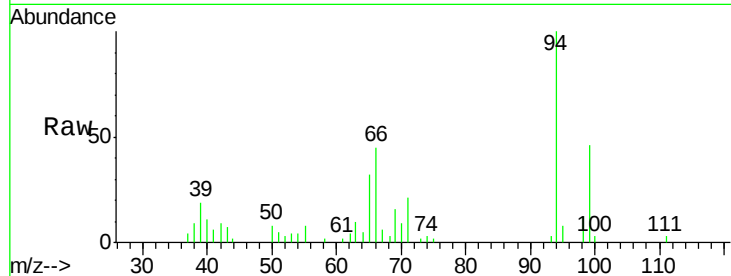
Tot Ion: 94 Resp: 21159

Ion Ratio Lower Upper

94 100

65 32.0 21.0 31.6#

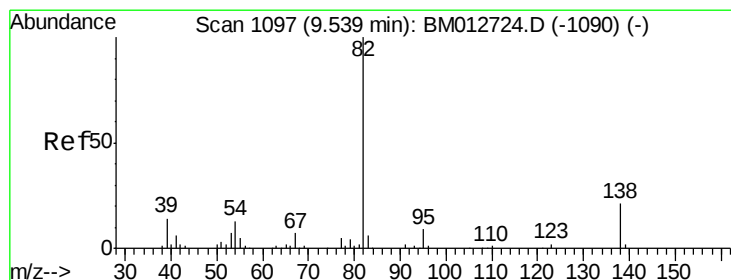
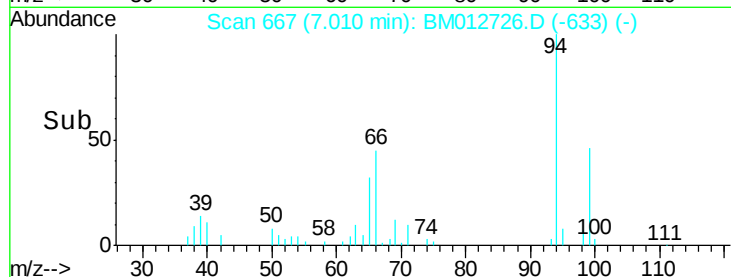
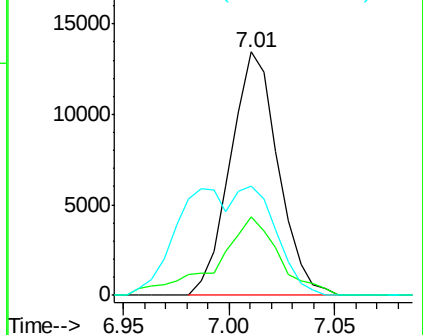
66 44.6 29.3 43.9#



Abundance Ion 94.00 (93.70 to 94.70): BM012724.D (-661) (-)

Ion 65.00 (64.70 to 65.70): BM012724.D (-661) (-)

Ion 66.00 (65.70 to 66.70): BM012724.D (-661) (-)



#21

Isophorone

Concen: 1.16 ng/ul

RT: 9.53 min Scan# 1096

Delta R.T. -0.01 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

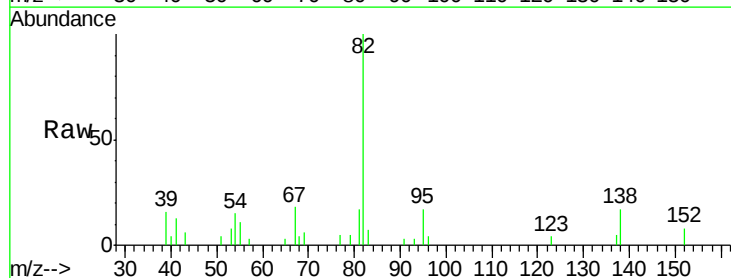
Tgt Ion: 82 Resp: 15759

Ion Ratio Lower Upper

82 100

95 17.4 6.4 9.6#

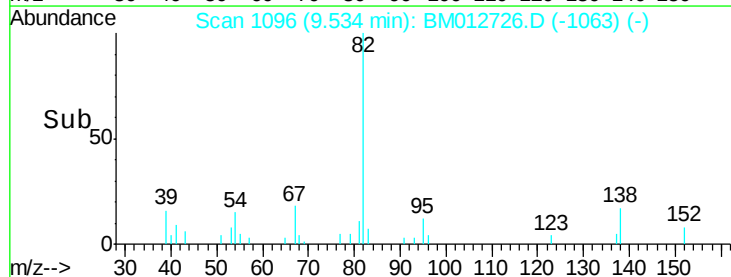
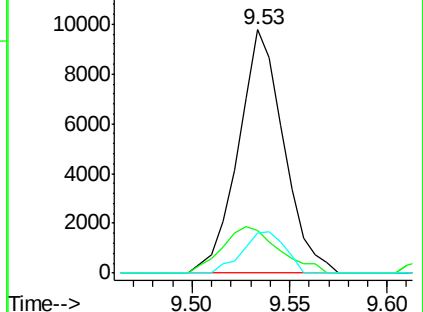
138 16.5 14.9 22.3

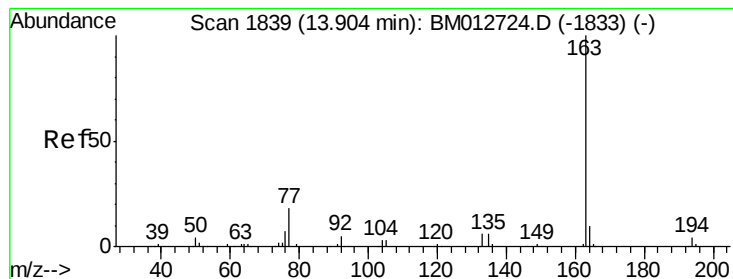


Abundance Ion 82.00 (81.70 to 82.70): BM012724.D (-1090) (-)

Ion 95.00 (94.70 to 95.70): BM012724.D (-1090) (-)

Ion 138.00 (137.70 to 138.70): BM012724.D (-1090) (-)





#44

Dimethylphthalate

Concen: 3.92 ng/ul

RT: 13.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

Instrument :

BNA_M

ClientSampleId :

B-63(0-1)-101117

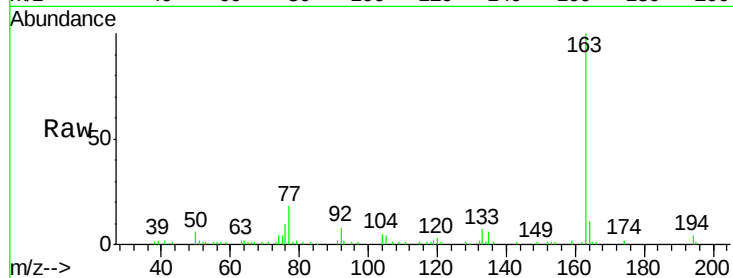
Tot Ion:163 Resp: 83423

Ion Ratio Lower Upper

163 100

194 4.5 3.2 4.8

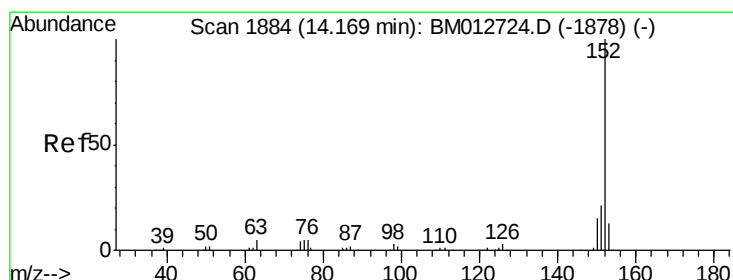
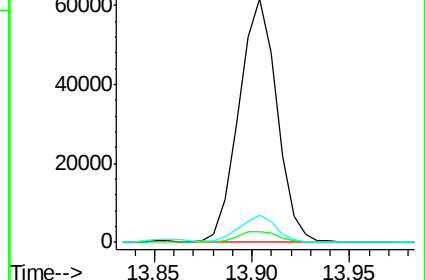
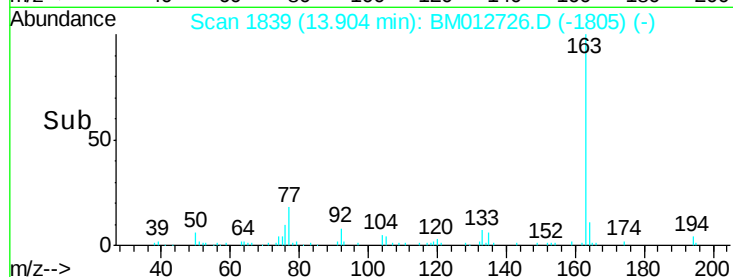
164 11.3 7.8 11.8



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



#47

Acenaphthylene

Concen: 1.08 ng/ul

RT: 14.17 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

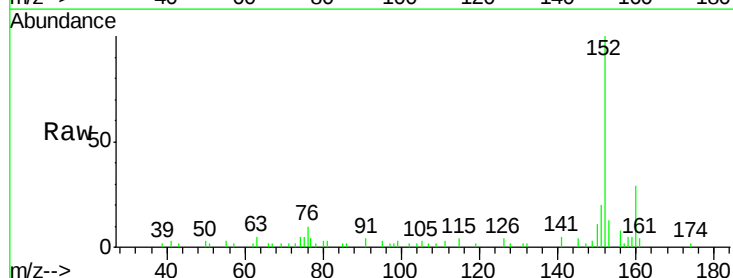
Tgt Ion:152 Resp: 27700

Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

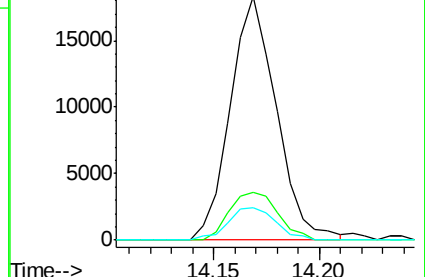
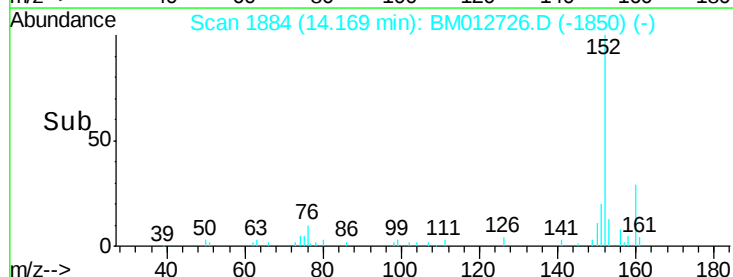
153 13.1 10.5 15.7

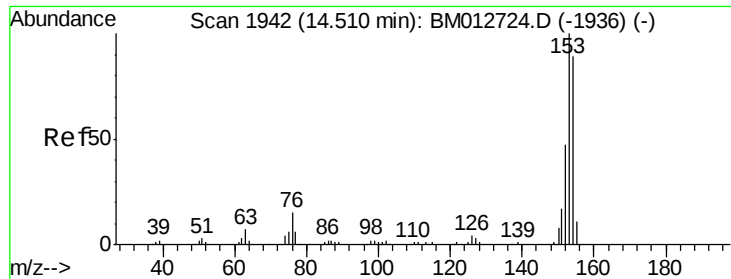


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 2.63 ng/ul

RT: 14.51 min Scan# 1942

Delta R.T. 0.00 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

Instrument :

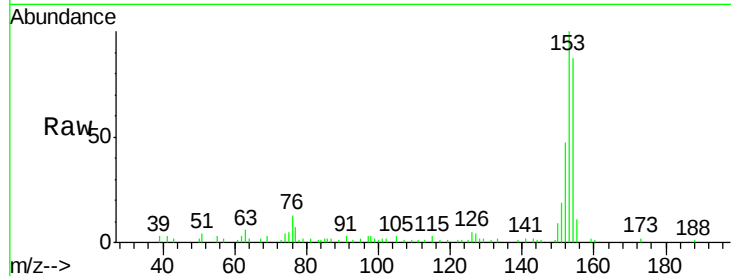
BNA_M

ClientSampleId :

B-63(0-1)-101117

Tot Ion:153 Resp: 46067

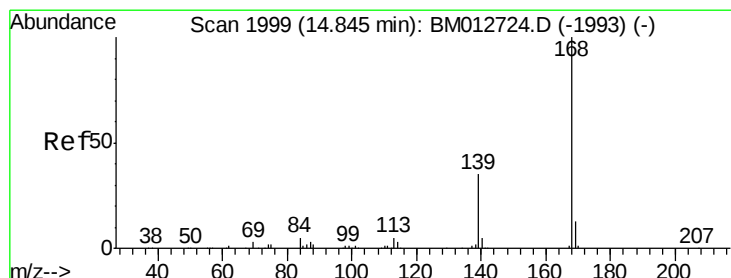
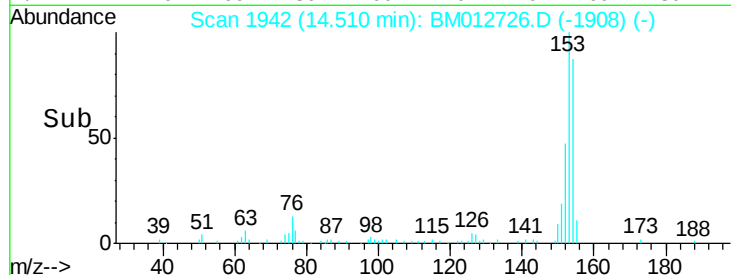
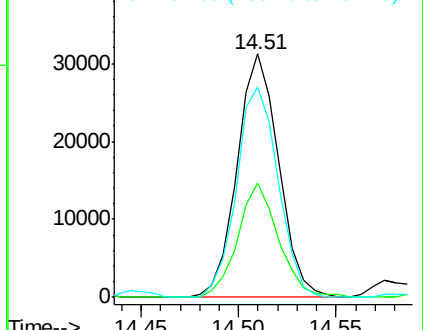
Ion	Ratio	Lower	Upper
153	100		
152	47.2	38.3	57.5
154	86.6	71.8	107.8



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



#53

Dibenzofuran

Concen: 1.07 ng/ul

RT: 14.85 min Scan# 1999

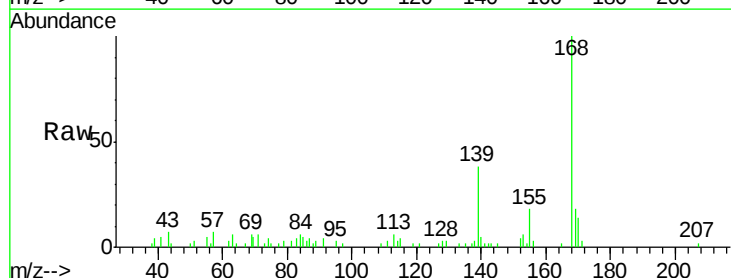
Delta R.T. 0.00 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

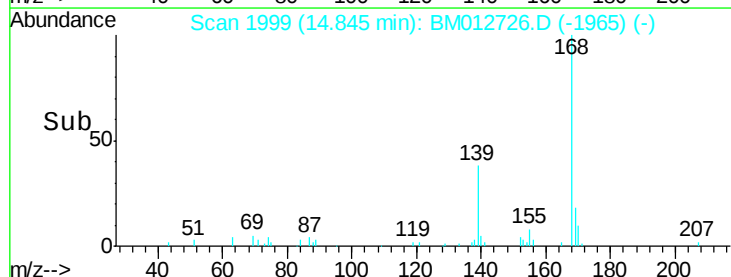
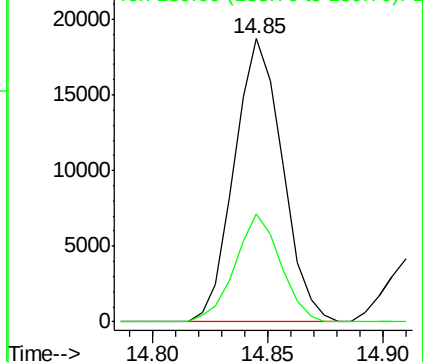
Tgt Ion:168 Resp: 27239

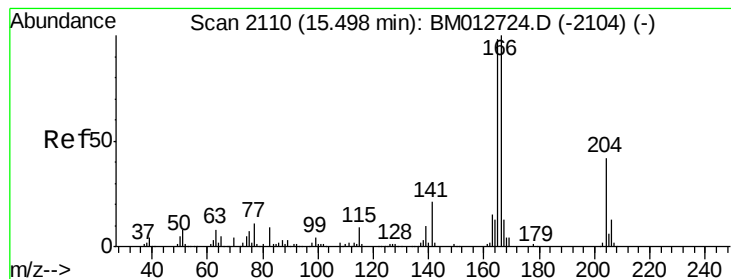
Ion	Ratio	Lower	Upper
168	100		
139	38.1	32.2	48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.34 ng/ul

RT: 15.50 min Scan# 2110

Delta R.T. 0.00 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

Instrument :

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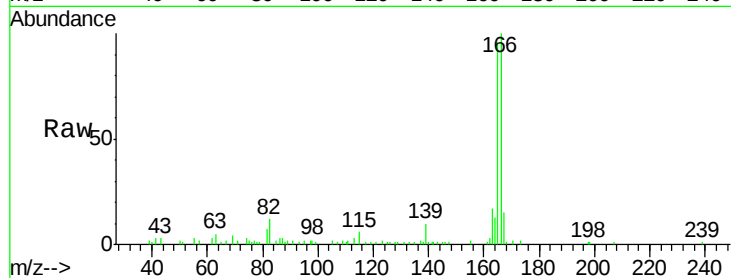
Tot Ion:166 Resp: 49596

Ion Ratio Lower Upper

166 100

165 96.2 78.5 117.7

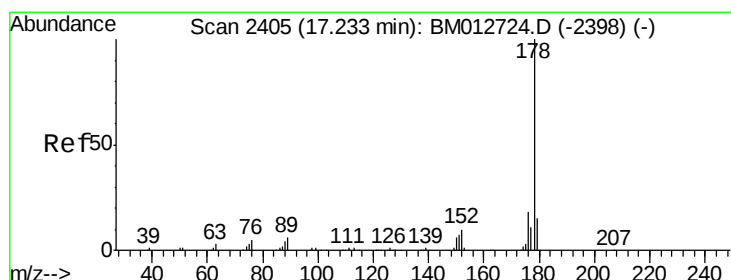
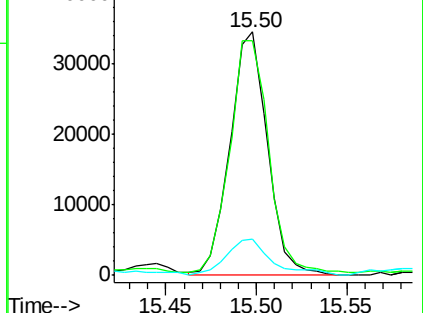
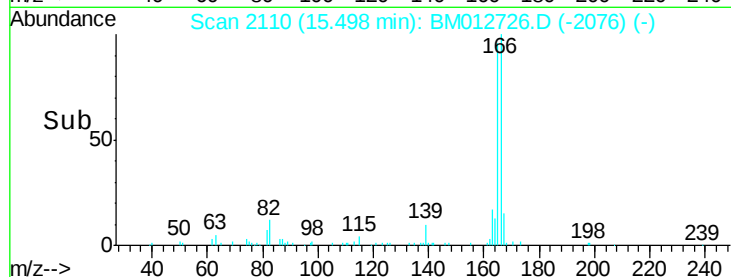
167 14.8 10.7 16.1



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



#69

Phenanthrene

Concen: 29.68 ng/ul

RT: 17.23 min Scan# 2405

Delta R.T. 0.00 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

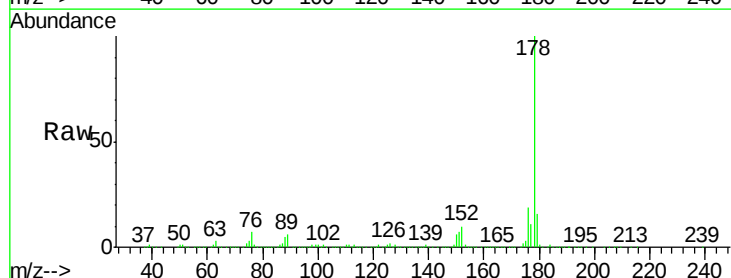
Tgt Ion:178 Resp: 888997

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

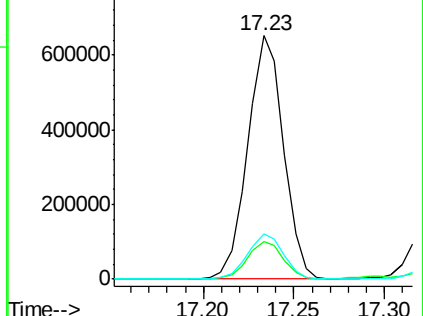
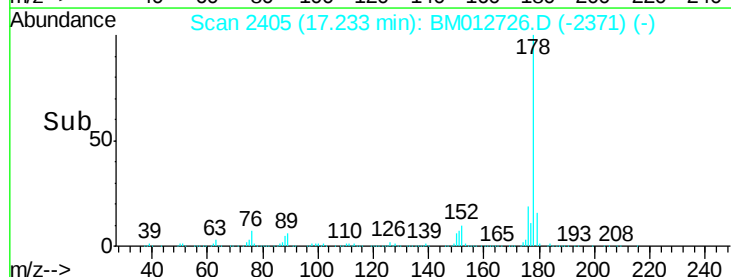
176 18.8 15.6 23.4

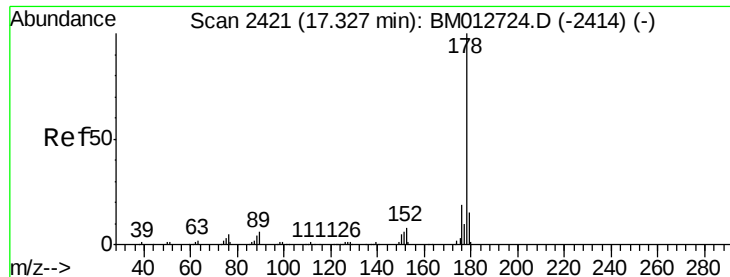


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

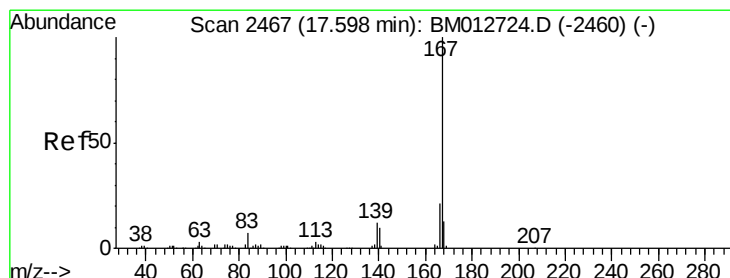
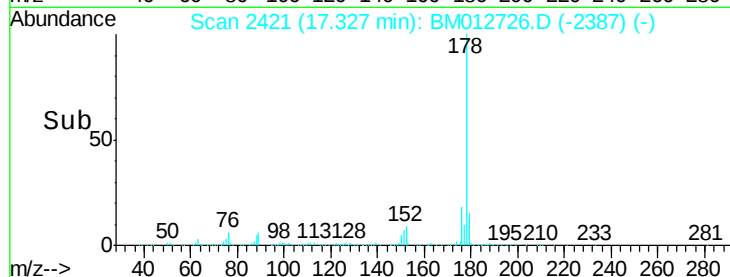
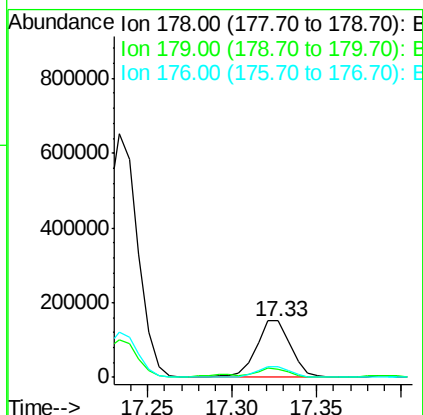
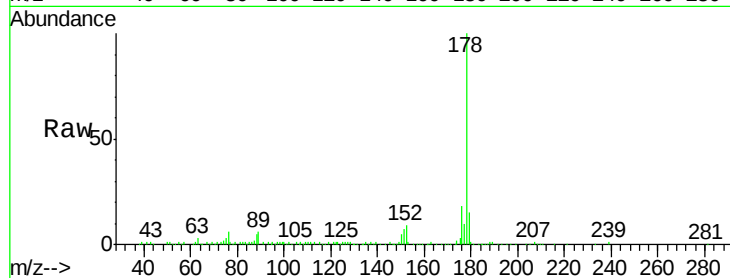




#71
 Anthracene
 Concen: 6.80 ng/ul
 RT: 17.33 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: BM012726.D
 Acq: 05 Nov 2017 02:31

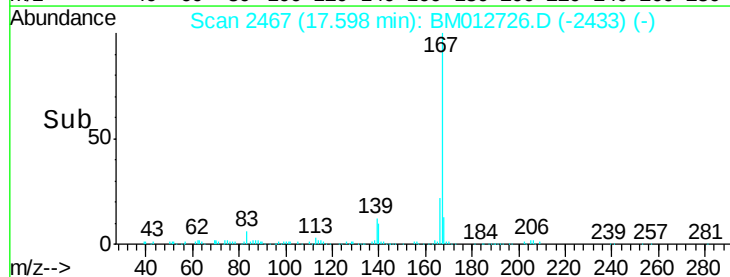
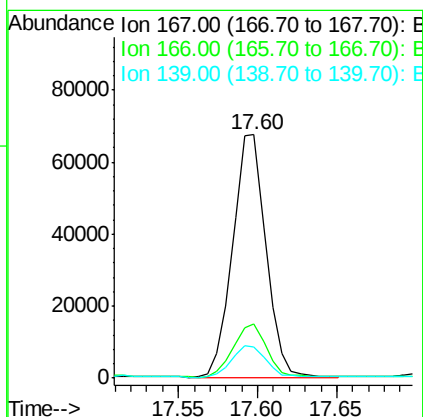
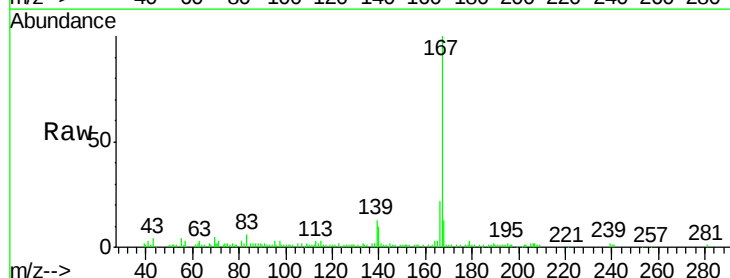
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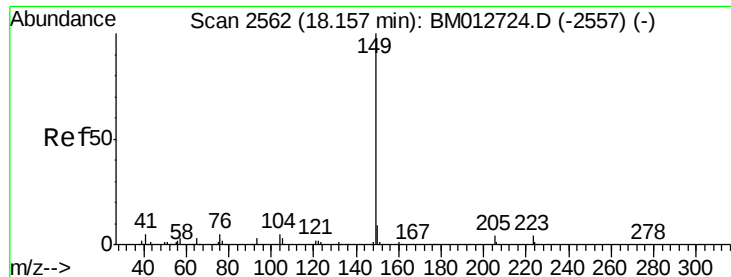
Tot Ion:178 Resp: 211257
 Ion Ratio Lower Upper
 178 100
 179 15.0 12.1 18.1
 176 18.4 14.8 22.2



#74
 Carbazole
 Concen: 3.84 ng/ul
 RT: 17.60 min Scan# 2467
 Delta R.T. 0.00 min
 Lab File: BM012726.D
 Acq: 05 Nov 2017 02:31

Tgt Ion:167 Resp: 99383
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.0 25.6
 139 12.7 11.0 16.4





#75

Di-n-butylphthalate

Concen: 118.56 ng/ul

RT: 18.16 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

Instrument :

BNA_M

ClientSampleId :

B-63(0-1)-101117

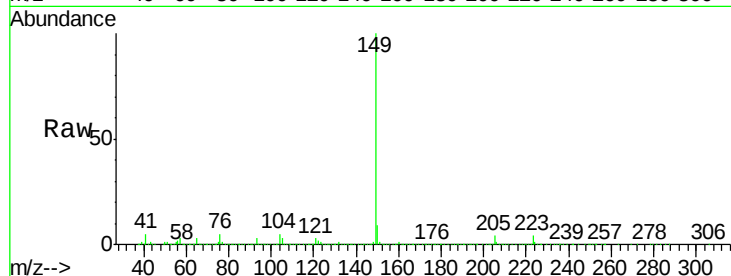
Tot Ion:149 Resp: 3597793

Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.0

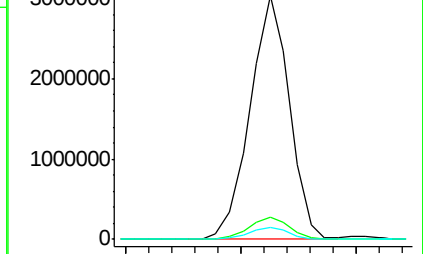
104 4.9 4.0 6.0



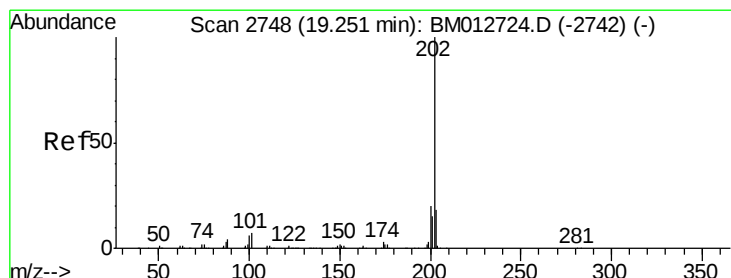
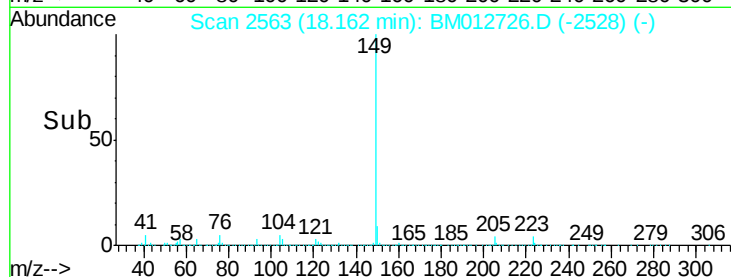
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->



#76

Fluoranthene

Concen: 55.22 ng/ul

RT: 19.25 min Scan# 2748

Delta R.T. 0.00 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

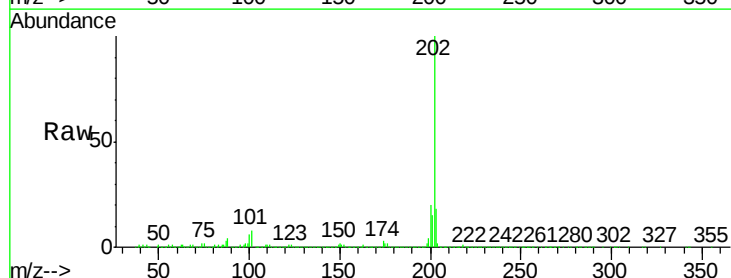
Tgt Ion:202 Resp: 1987302

Ion Ratio Lower Upper

202 100

101 8.3 8.8 13.2#

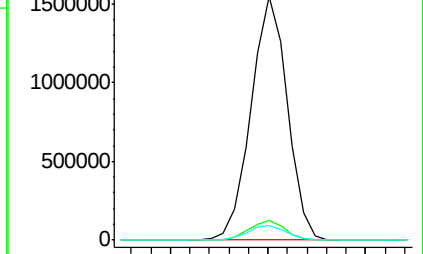
100 6.0 6.6 9.8#



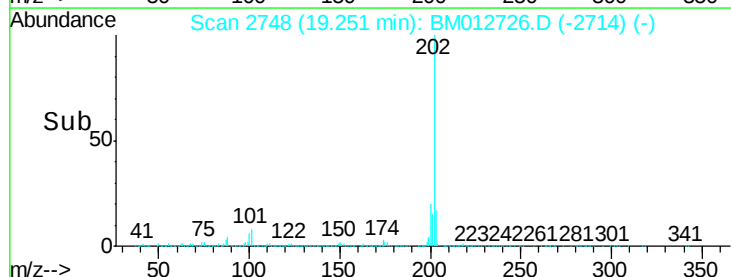
Abundance Ion 202.00 (201.70 to 202.70): E

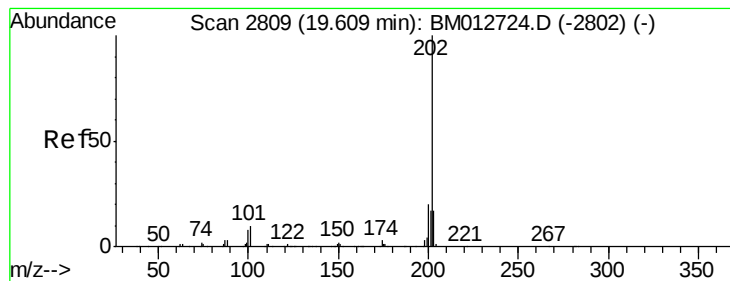
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#79

Pvrene

Concen: 51.70 ng/ul

RT: 19.62 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

Instrument :

BNA_M

ClientSampleId :

B-63(0-1)-101117

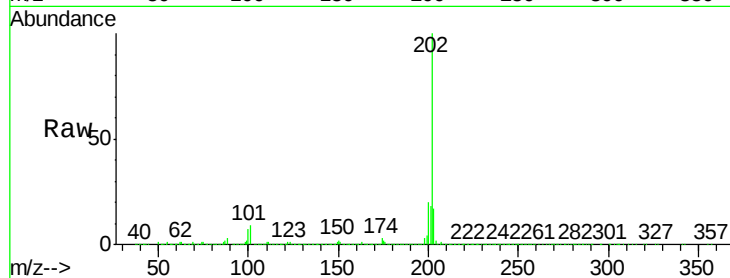
Tot Ion:202 Resp: 1685793

Ion Ratio Lower Upper

202 100

101 9.2 10.2 15.2#

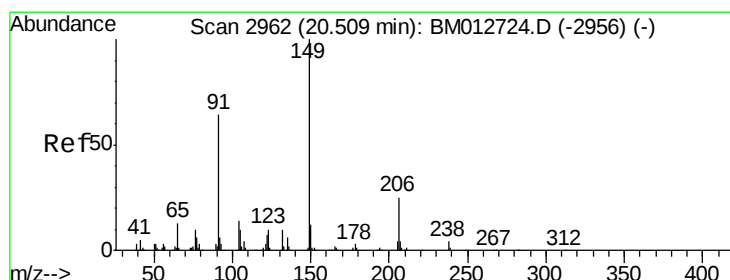
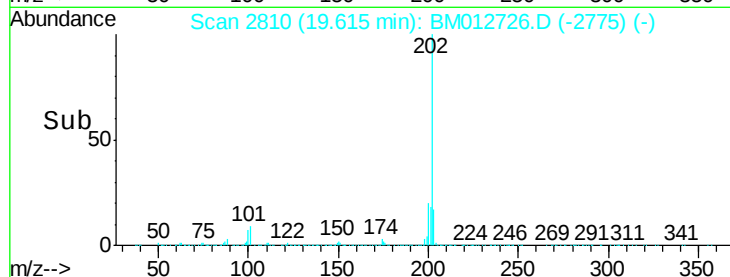
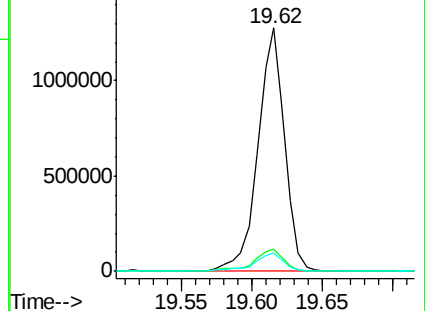
100 7.3 8.5 12.7#



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



#80

Butylbenzylphthalate

Concen: 11.61 ng/ul

RT: 20.51 min Scan# 2962

Delta R.T. 0.00 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

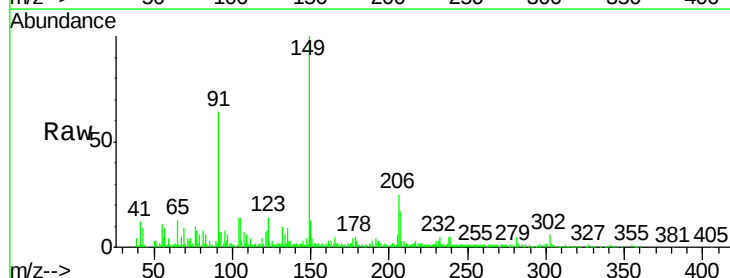
Tgt Ion:149 Resp: 138048

Ion Ratio Lower Upper

149 100

91 63.5 53.4 80.2

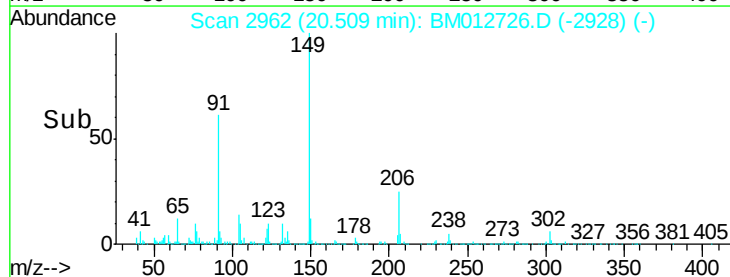
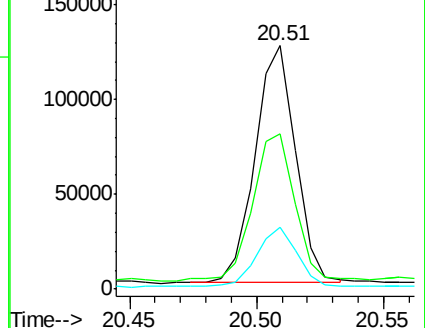
206 25.4 16.6 24.8#

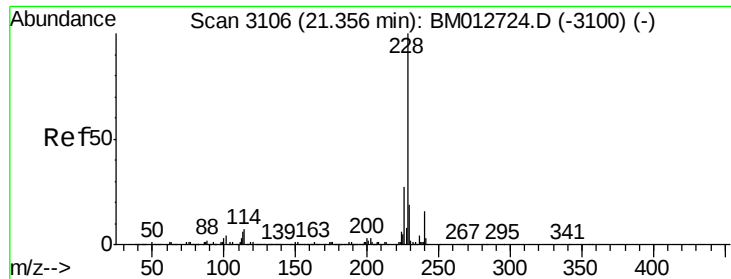


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#82

Benzo(a)anthracene

Concen: 28.42 ng/ul

RT: 21.36 min Scan# 3106

Delta R.T. 0.00 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

Instrument :

BNA_M

ClientSampleId :

B-63(0-1)-101117

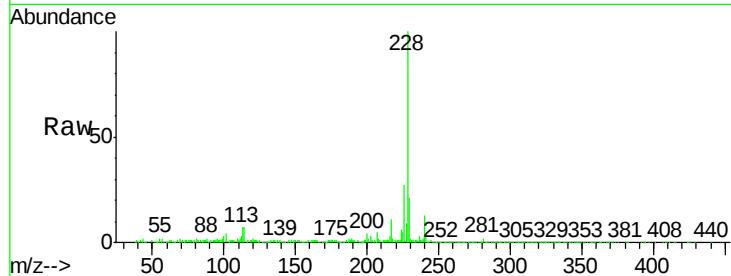
Tot Ion:228 Resp: 939914

Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

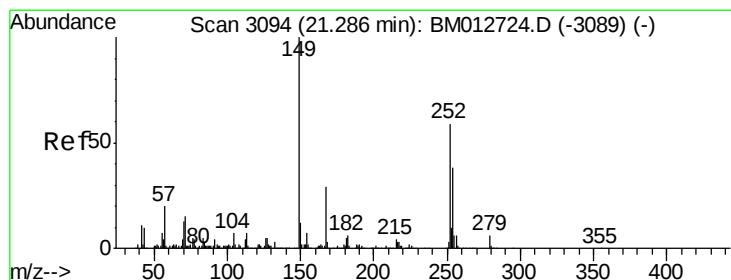
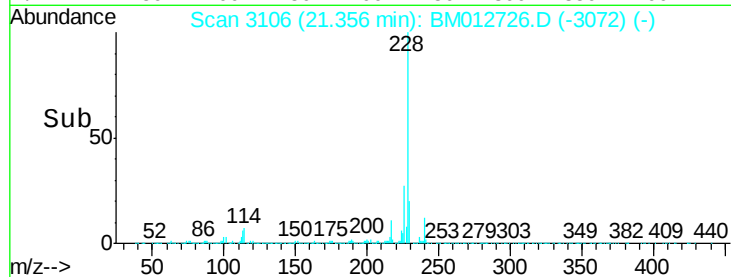
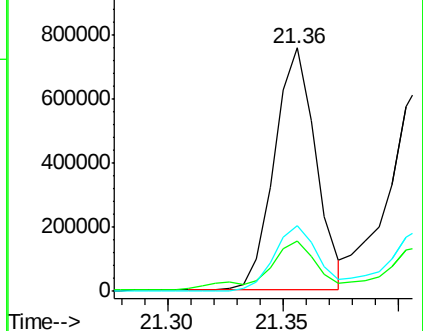
226 27.1 21.8 32.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 10.14 ng/ul

RT: 21.29 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

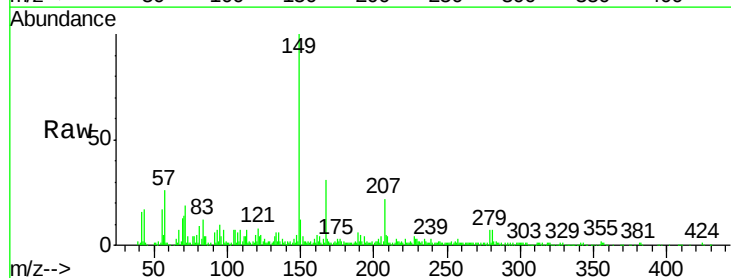
Tgt Ion:149 Resp: 175581

Ion Ratio Lower Upper

149 100

167 30.8 21.6 32.4

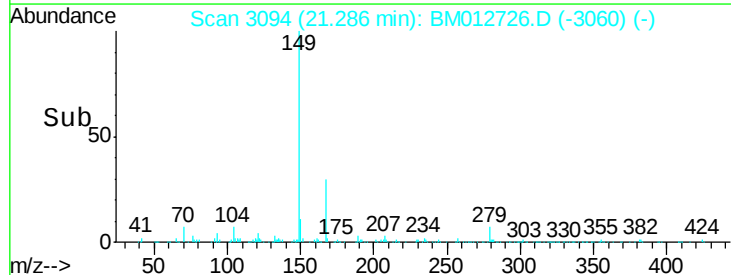
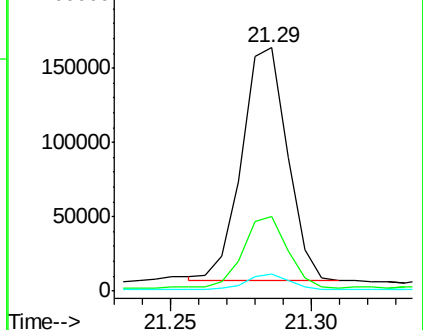
279 7.0 3.0 4.4#

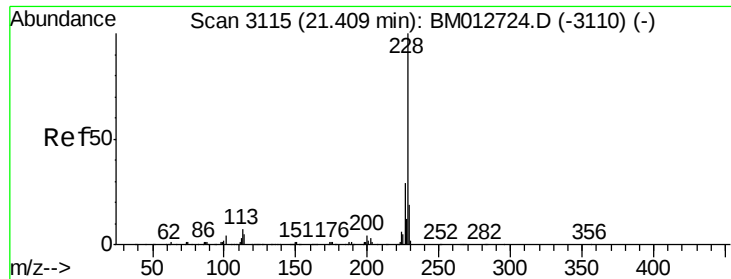


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 30.84 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. 0.00 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

Instrument :

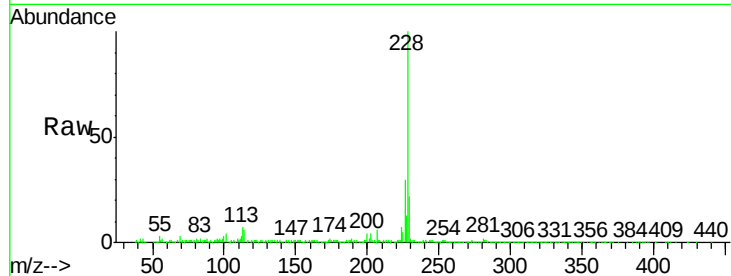
BNA_M

ClientSampleId :

B-63(0-1)-101117

Tot Ion:228 Resp: 924149

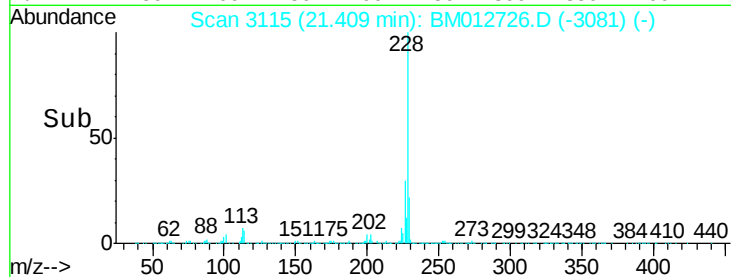
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	21.9	15.6	23.4



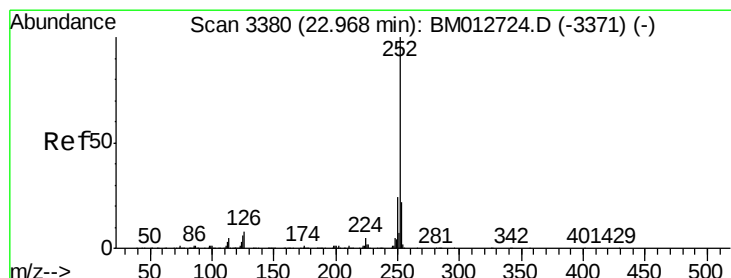
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#87

Benzo(b)fluoranthene

Concen: 43.34 ng/ul

RT: 22.97 min Scan# 3381

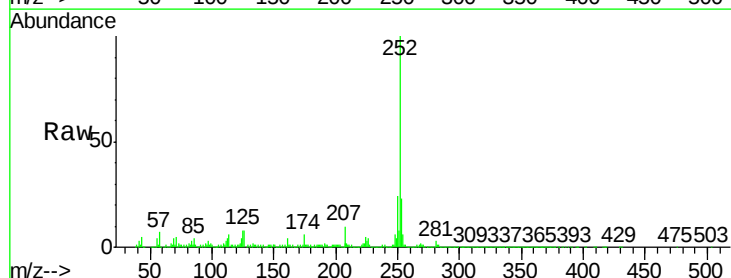
Delta R.T. 0.01 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

Tgt Ion:252 Resp: 1596583

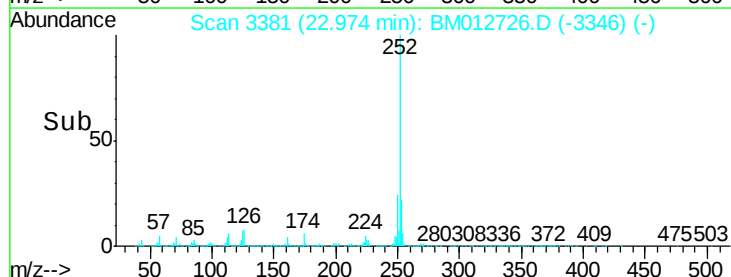
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	7.7	8.5	12.7



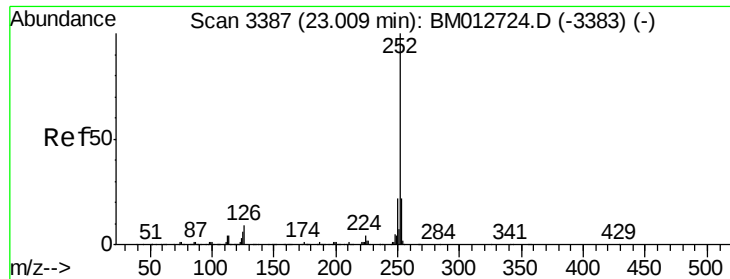
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#88

Benzo(k)fluoranthene

Concen: 45.59 ng/ul

RT: 22.97 min Scan# 3381

Delta R.T. -0.04 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

Instrument :

BNA_M

ClientSampleId :

B-63(0-1)-101117

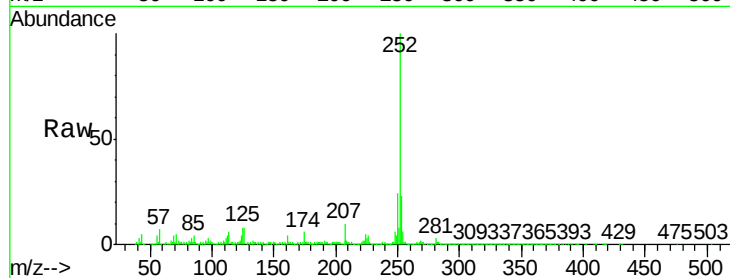
Tot Ion:252 Resp: 1596583

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

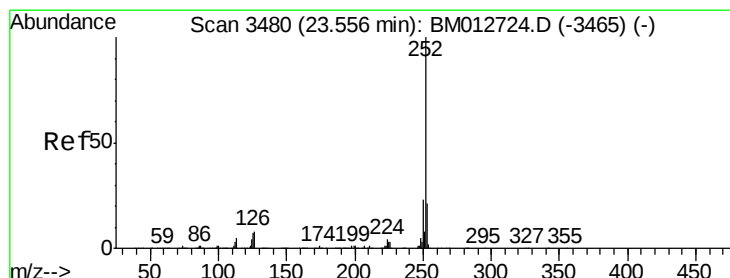
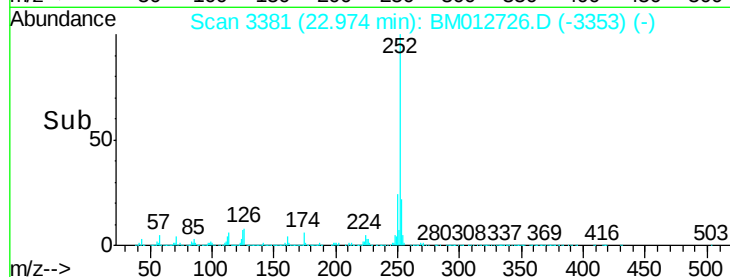
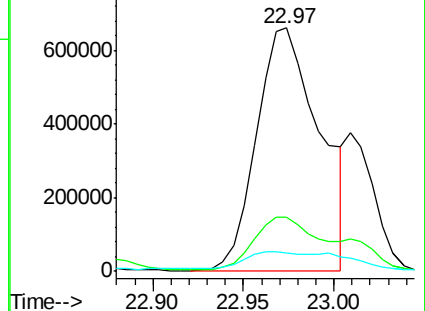
125 7.7 8.2 12.2#



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



#90

Benzo(a)pyrene

Concen: 20.56 ng/ul

RT: 23.46 min Scan# 3464

Delta R.T. -0.09 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

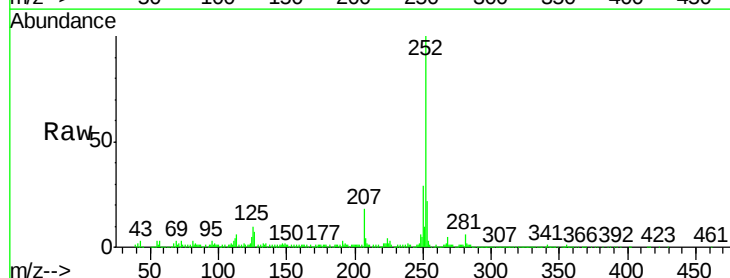
Tgt Ion:252 Resp: 720851

Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

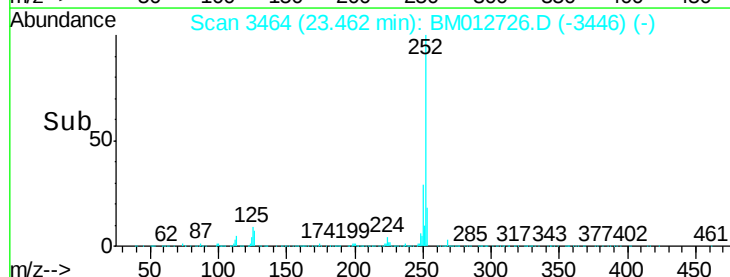
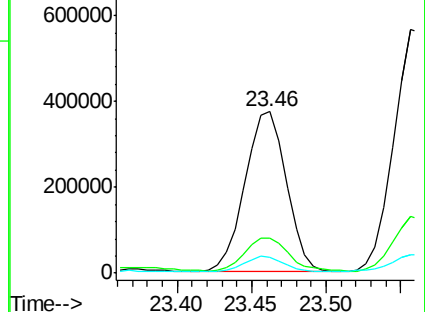
125 9.6 9.0 13.6

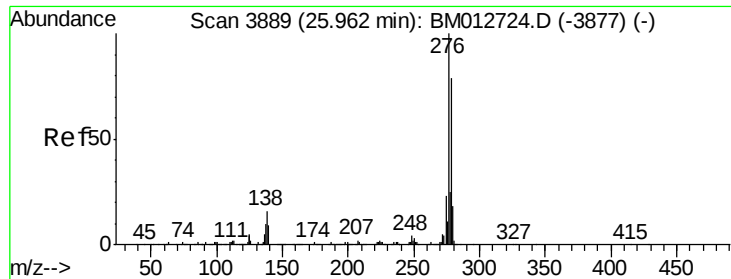


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 19.06 ng/ul

RT: 25.97 min Scan# 3890

Delta R.T. 0.01 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

Instrument :

BNA_M

ClientSampleId :

B-63(0-1)-101117

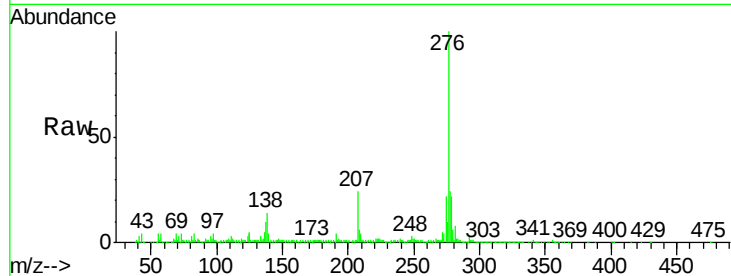
Tot Ion:276 Resp: 805202

Ion Ratio Lower Upper

276 100

138 14.1 22.3 33.5#

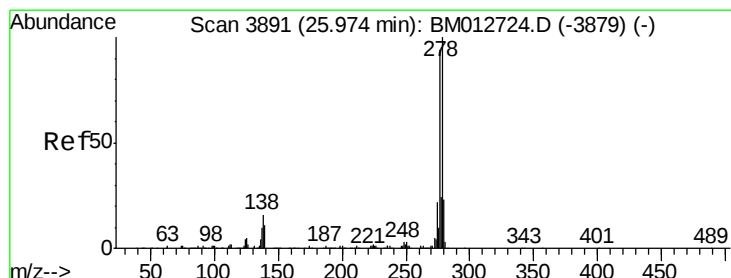
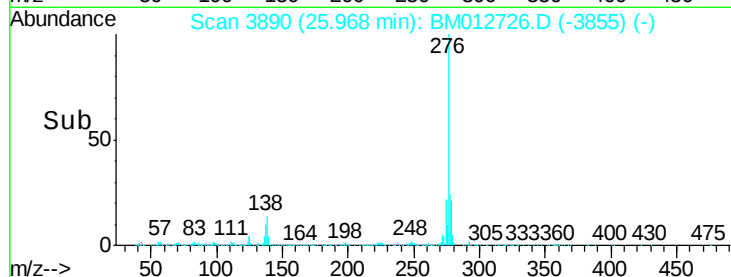
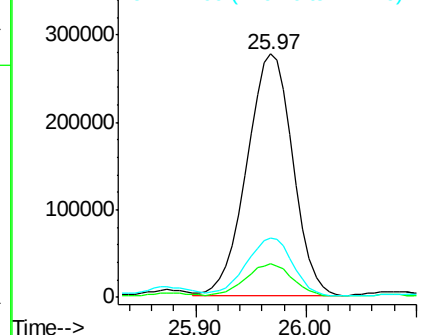
277 24.4 20.2 30.2



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



#92

Dibenzo(a,h)anthracene

Concen: 5.55 ng/ul

RT: 25.97 min Scan# 3890

Delta R.T. -0.01 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

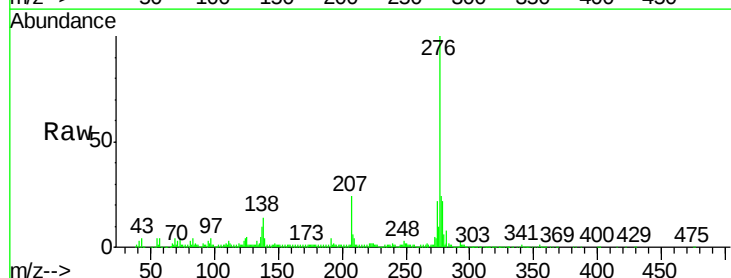
Tgt Ion:278 Resp: 198408

Ion Ratio Lower Upper

278 100

139 17.5 13.9 20.9

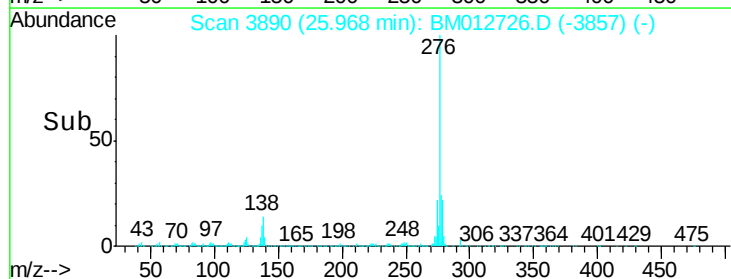
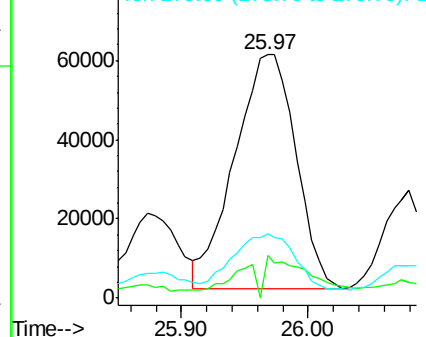
279 26.4 19.0 28.4

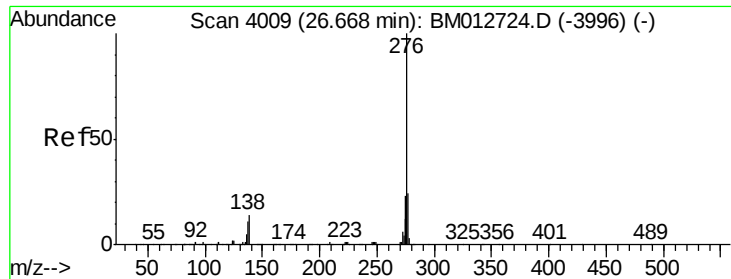


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 20.56 ng/ul

RT: 26.68 min Scan# 4011

Delta R.T. 0.01 min

Lab File: BM012726.D

Acq: 05 Nov 2017 02:31

Instrument :

BNA_M

ClientSampleId :

B-63(0-1)-101117

Tot Ion:276 Resp: 715812

Ion Ratio Lower Upper

276 100

138 13.9 18.9 28.3#

277 24.2 19.2 28.8

