

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010731.D
 Acq On : 24 Jun 2017 15:51
 Operator : SJ/JU
 Sample : I3625-15DL 30X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C82DL

Quant Time: Jun 26 04:55:28 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 26 04:54:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	47632	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	216109	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	151274	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.86	188	382827	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	488126	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	403052	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.65	99	2607	0.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	1781	0.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	1917	0.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	2183	0.58	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	795	0.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	1133	0.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	2792	0.75	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	3738	0.95	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	11096	0.84	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	12415	0.80	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	823	0.35	ng/ul	-0.01
57) Fluorene-d10	15.11	176	10532	0.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	1169	0.50	ng/ul	0.00
70) Anthracene-d10	16.96	188	16607	0.90	ng/ul	0.00
76) Pyrene-d10	19.27	212	19745	0.87	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	16895	0.87	ng/ul	0.00

Target Compounds

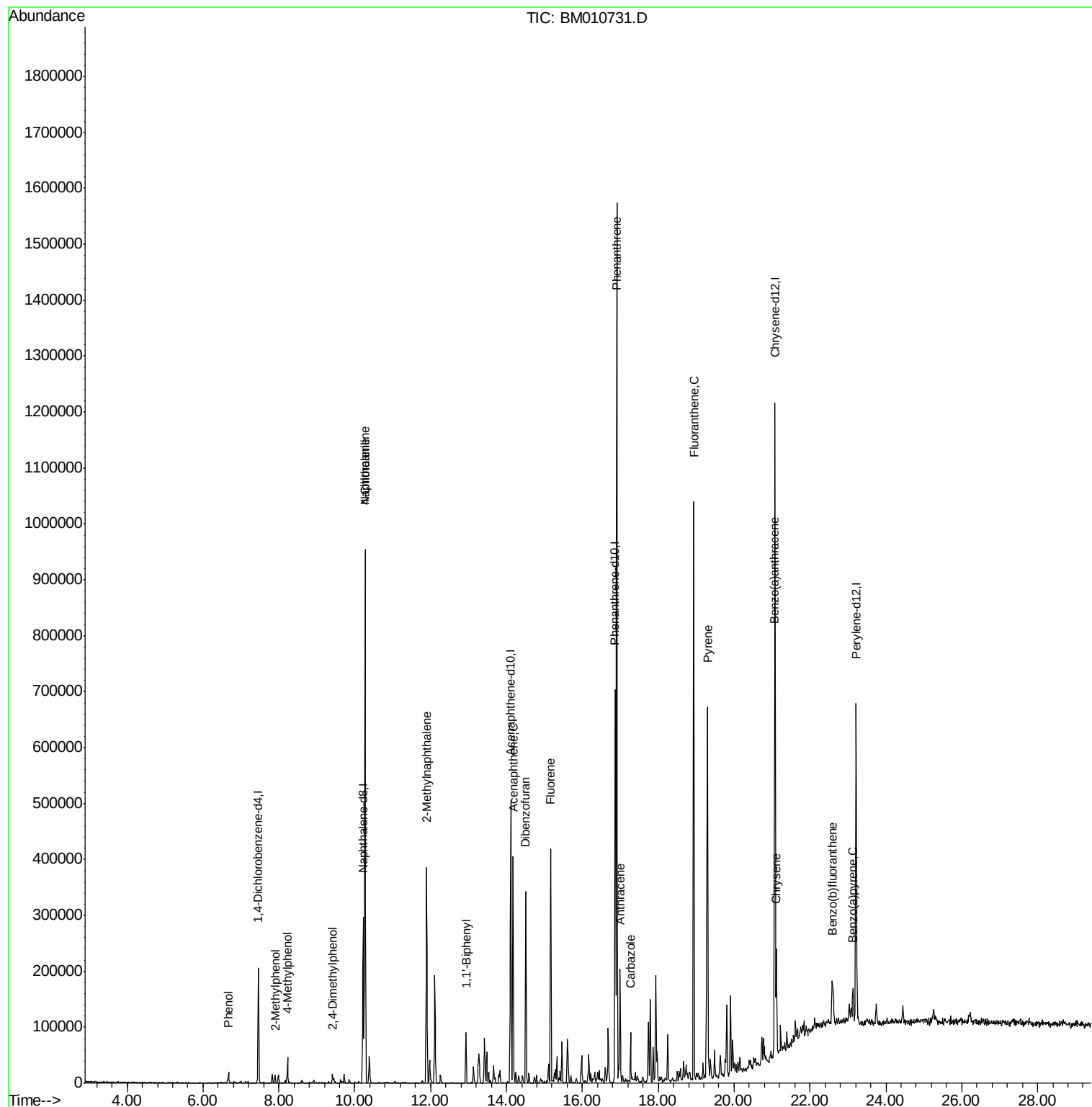
						Qvalue
6) Phenol	6.67	94	9545	2.04	ng/ul#	81
11) 2-Methylphenol	7.90	108	4421	1.24	ng/ul	91
16) 4-Methylphenol	8.23	108	16076	4.10	ng/ul	81
24) 2,4-Dimethylphenol	9.42	107	6762	1.41	ng/ul	92
28) Naphthalene	10.27	128	676772	62.93	ng/ul	99
30) 4-Chloroaniline	10.27	127	89251	22.52	ng/ul#	38
34) 2-Methylnaphthalene	11.89	142	157356	18.20	ng/ul	97
40) 1,1'-Biphenyl	12.93	154	42763	3.62	ng/ul#	94
49) Acenaphthene	14.17	153	144787	14.59	ng/ul	100
53) Dibenzofuran	14.51	168	171121	11.39	ng/ul	92
58) Fluorene	15.17	166	169892	13.50	ng/ul	97
69) Phenanthrene	16.91	178	847744	41.65	ng/ul	98
71) Anthracene	17.00	178	118462	5.65	ng/ul	98
72) Carbazole	17.27	167	47566	2.60	ng/ul	96
74) Fluoranthene	18.94	202	601959	22.95	ng/ul	99
77) Pyrene	19.30	202	408745	14.50	ng/ul	98
80) Benzo(a)anthracene	21.06	228	146807	5.16	ng/ul	99
82) Chrysene	21.12	228	102376	4.04	ng/ul	98
85) Benzo(b)fluoranthene	22.58	252	74217	2.84	ng/ul	98
88) Benzo(a)pyrene	23.12	252	40259	1.67	ng/ul	95

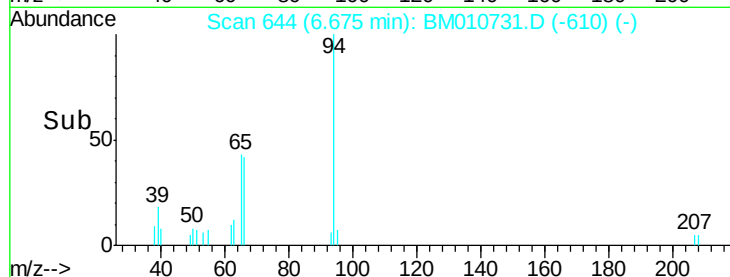
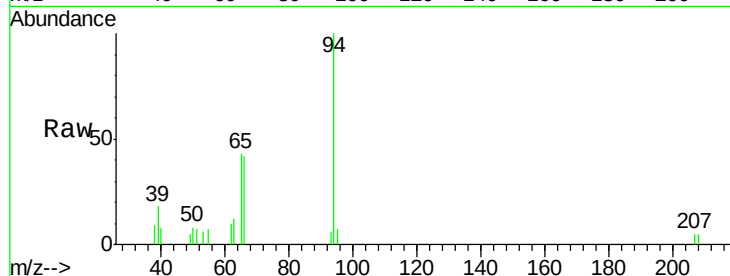
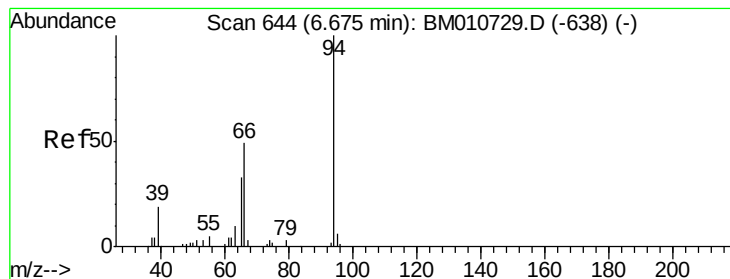
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.04 ng/ul

RT: 6.67 min Scan# 644

Delta R.T. -0.00 min

Lab File: BM010731.D

Acq: 24 Jun 2017 15:51

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BNA_M

ClientSampleId :

F5C82DL

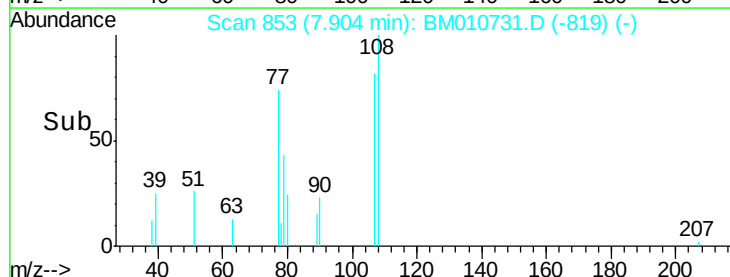
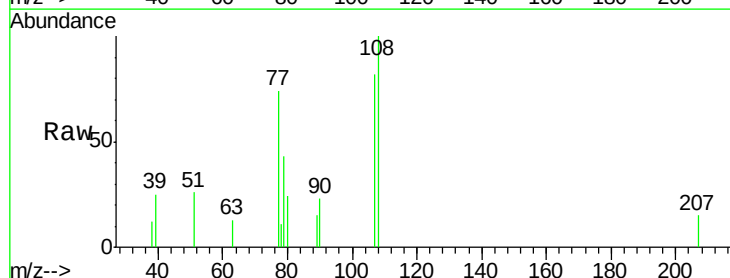
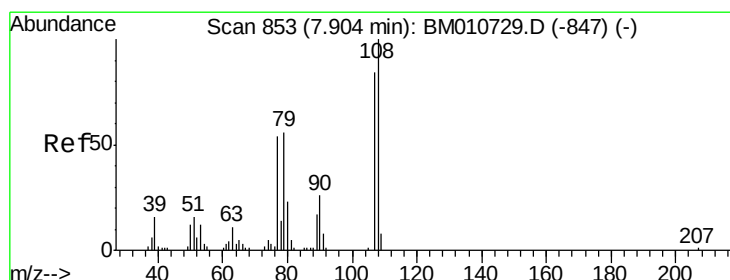
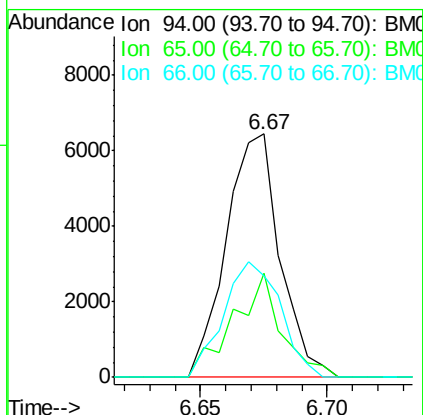
Tgt Ion: 94 Resp: 9545

Ion Ratio Lower Upper

94 100

65 42.5 28.2 42.4#

66 41.9 47.2 70.8#



#11

2-Methylphenol

Concen: 1.24 ng/ul

RT: 7.90 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM010731.D

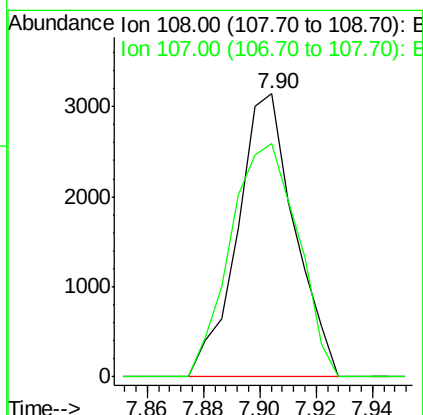
Acq: 24 Jun 2017 15:51

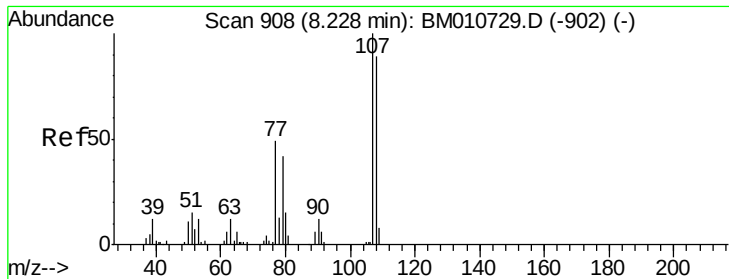
Tgt Ion: 108 Resp: 4421

Ion Ratio Lower Upper

108 100

107 82.5 72.6 108.8

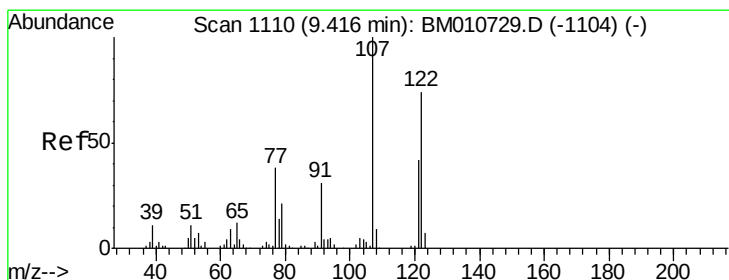
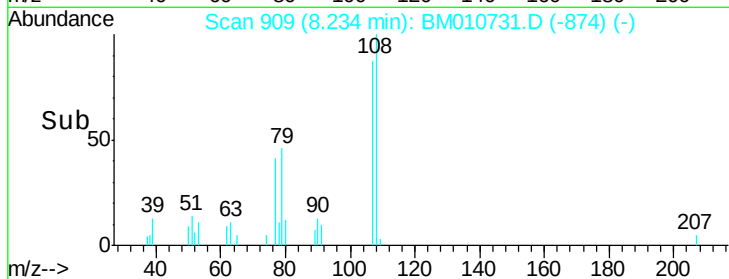
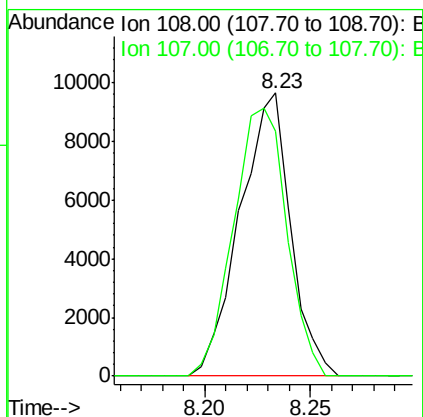
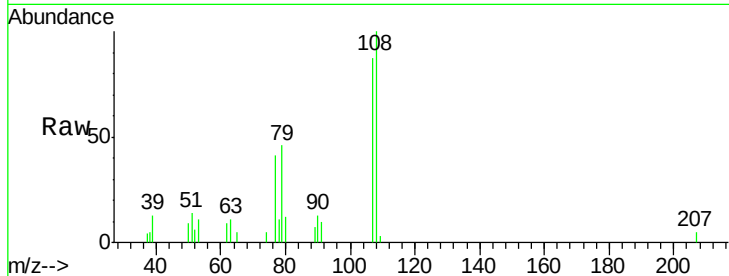




#16
 4-Methylphenol
 Concen: 4.10 ng/ul
 RT: 8.23 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: BM010731.D
 Acq: 24 Jun 2017 15:51

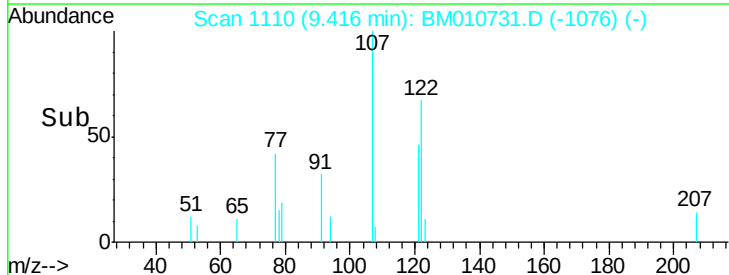
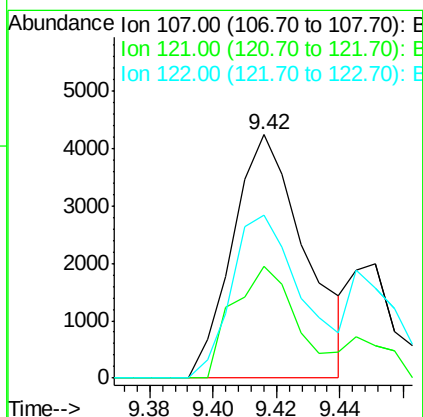
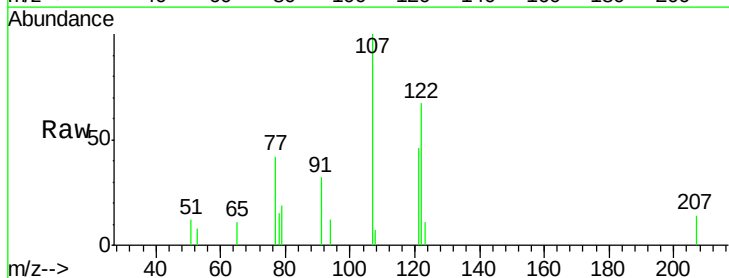
Instrument :
 BNA_M
 ClientSampleId :
 F5C82DL

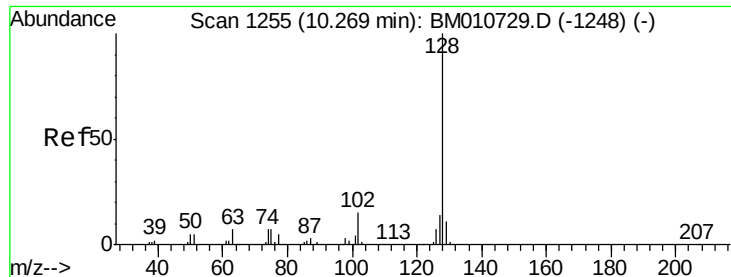
Tgt Ion:108 Resp: 16076
 Ion Ratio Lower Upper
 108 100
 107 86.7 84.9 127.3



#24
 2,4-Dimethylphenol
 Concen: 1.41 ng/ul
 RT: 9.42 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: BM010731.D
 Acq: 24 Jun 2017 15:51

Tgt Ion:107 Resp: 6762
 Ion Ratio Lower Upper
 107 100
 121 45.9 31.9 47.9
 122 67.0 57.8 86.6

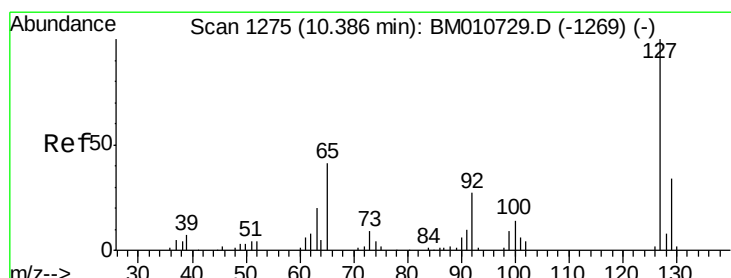
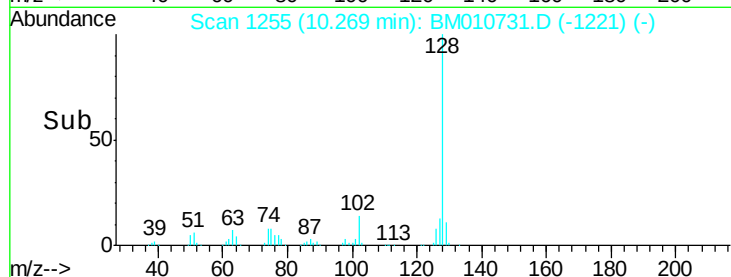
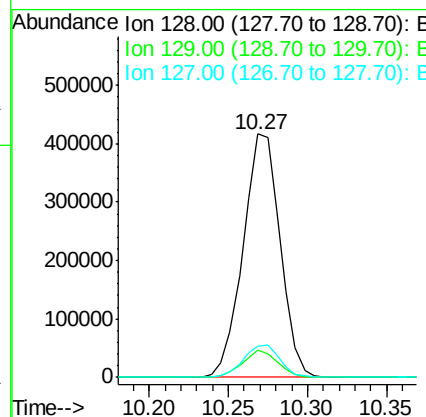
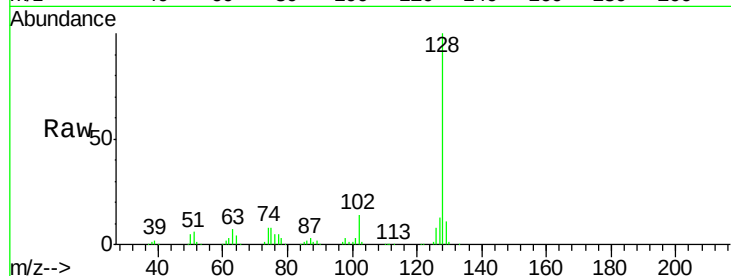




#28
Naphthalene
Concen: 62.93 ng/ul
RT: 10.27 min Scan# 1255
Delta R.T. -0.00 min
Lab File: BM010731.D
Acq: 24 Jun 2017 15:51

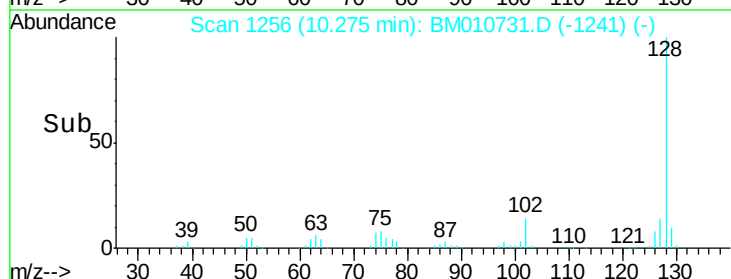
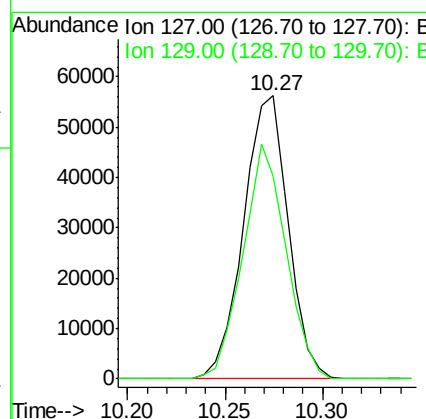
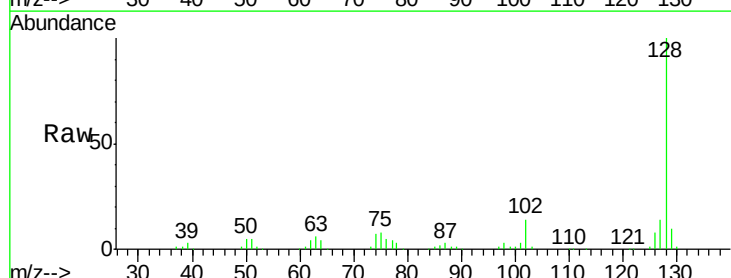
Instrument :
BNA_M
ClientSampleId :
F5C82DL

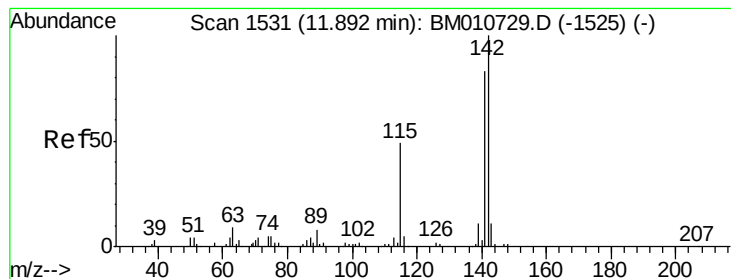
Tgt Ion:128 Resp: 676772
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.0 10.6 16.0



#30
4-Chloroaniline
Concen: 22.52 ng/ul
RT: 10.27 min Scan# 1256
Delta R.T. -0.11 min
Lab File: BM010731.D
Acq: 24 Jun 2017 15:51

Tgt Ion:127 Resp: 89251
Ion Ratio Lower Upper
127 100
129 71.7 28.4 42.6#





#34

2-Methylnaphthalene

Concen: 18.20 ng/ul

RT: 11.89 min Scan# 1531

Delta R.T. -0.00 min

Lab File: BM010731.D

Acq: 24 Jun 2017 15:51

Instrument :

BNA_M

ClientSampled :

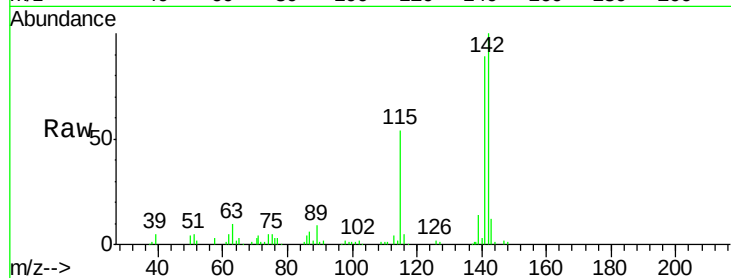
F5C82DL

Tgt Ion:142 Resp: 157356

Ion Ratio Lower Upper

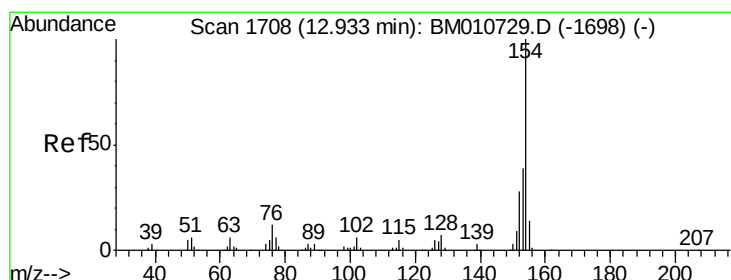
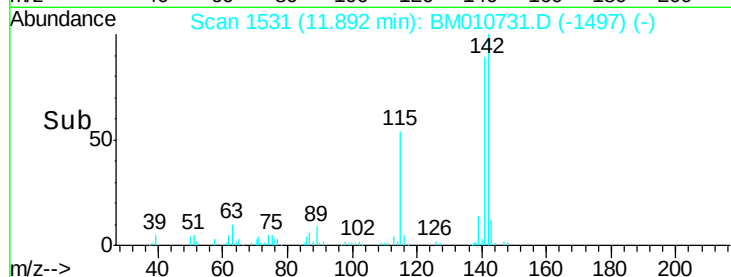
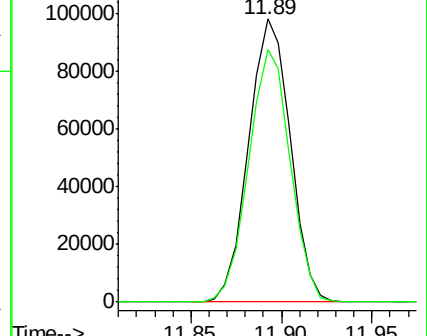
142 100

141 89.4 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#40

1,1'-Biphenyl

Concen: 3.62 ng/ul

RT: 12.93 min Scan# 1708

Delta R.T. -0.00 min

Lab File: BM010731.D

Acq: 24 Jun 2017 15:51

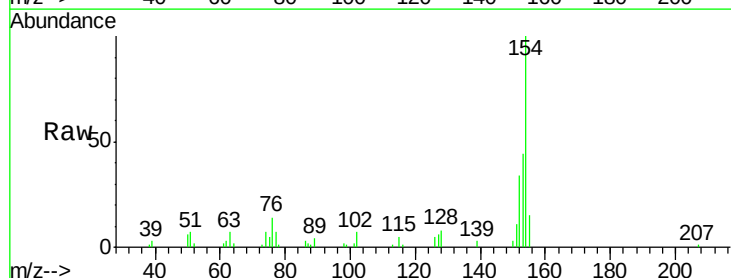
Tgt Ion:154 Resp: 42763

Ion Ratio Lower Upper

154 100

153 43.9 32.6 48.8

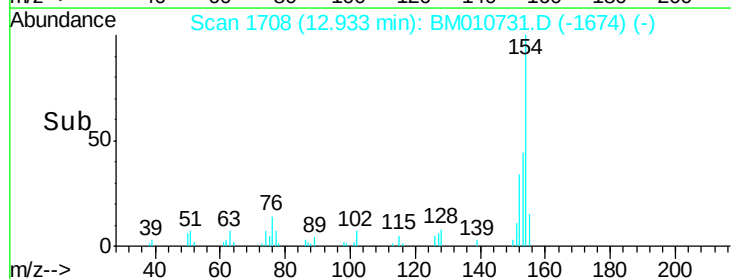
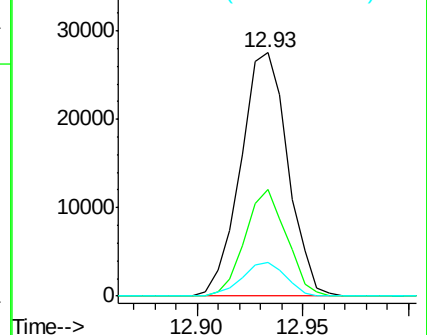
76 13.8 8.5 12.7#

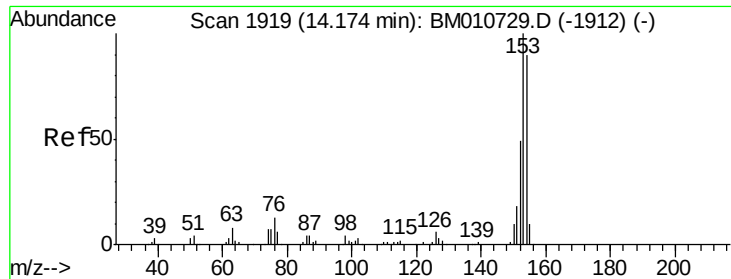


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM





#49

Acenaphthene

Concen: 14.59 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. -0.00 min

Lab File: BM010731.D

Acq: 24 Jun 2017 15:51

Instrument :

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ClientSampleId :

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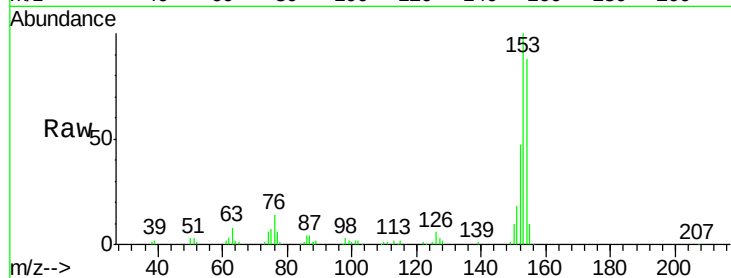
Tgt Ion:153 Resp: 144787

Ion Ratio Lower Upper

153 100

152 46.8 37.6 56.4

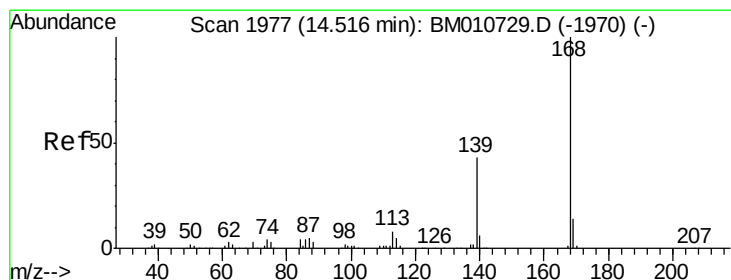
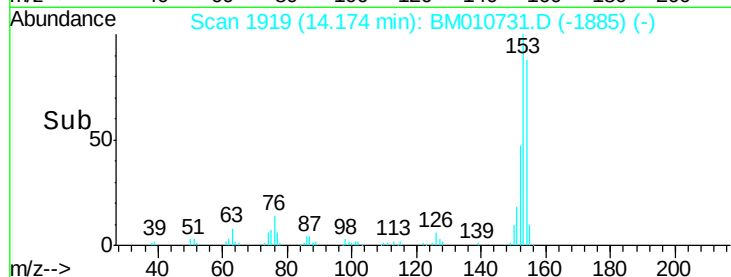
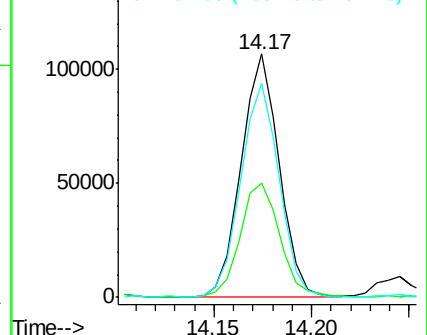
154 87.9 70.4 105.6



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: 11.39 ng/ul

RT: 14.51 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BM010731.D

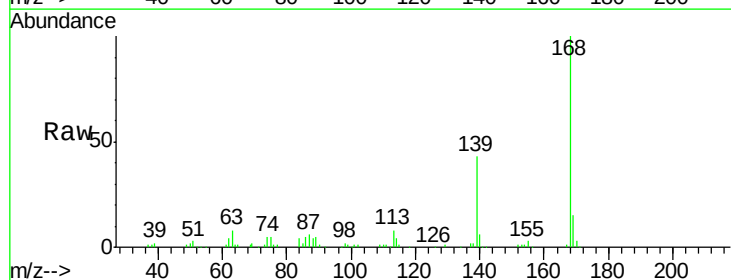
Acq: 24 Jun 2017 15:51

Tgt Ion:168 Resp: 171121

Ion Ratio Lower Upper

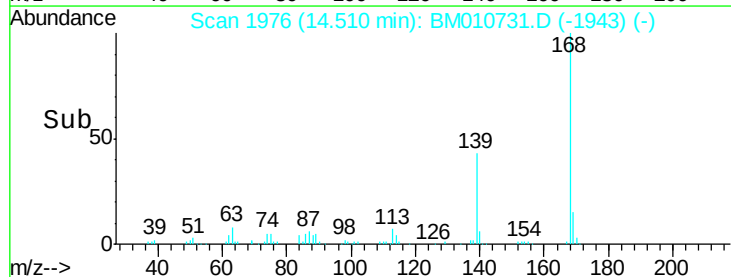
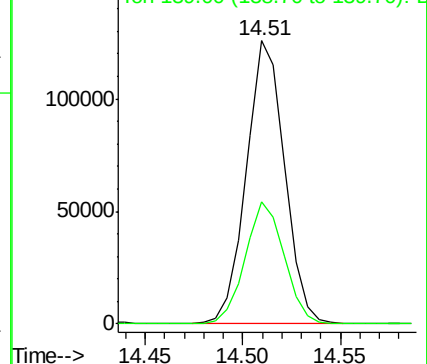
168 100

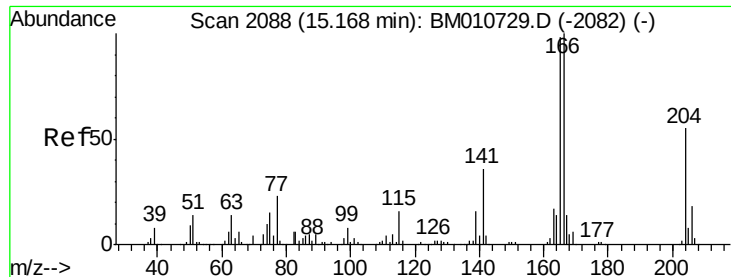
139 43.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 13.50 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. -0.00 min

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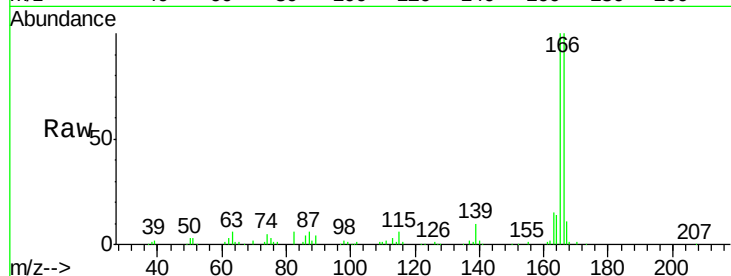
Tgt Ion:166 Resp: 169892

Ion Ratio Lower Upper

166 100

165 99.8 77.9 116.9

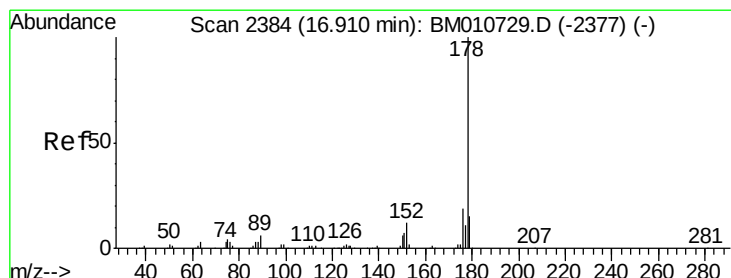
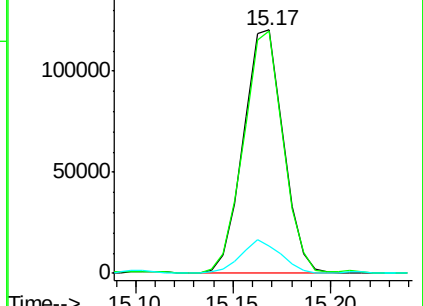
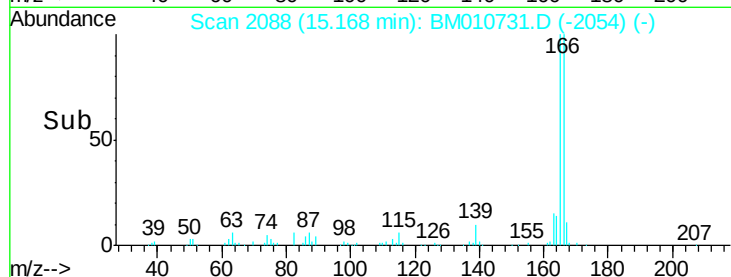
167 11.4 10.6 16.0



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: 41.65 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM010731.D

Acq: 24 Jun 2017 15:51

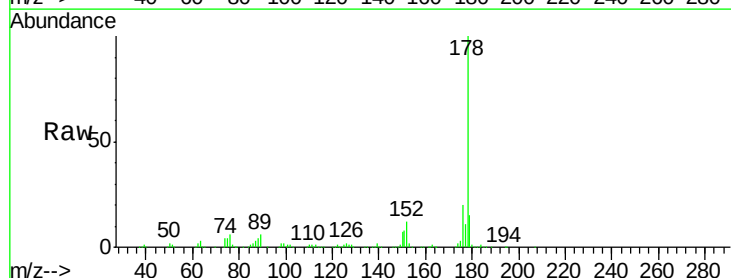
Tgt Ion:178 Resp: 847744

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

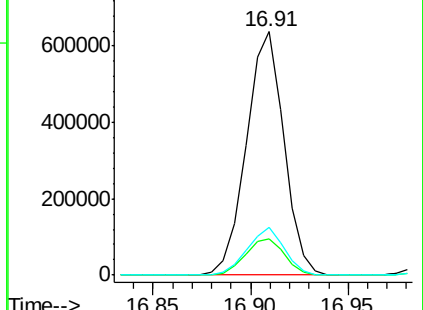
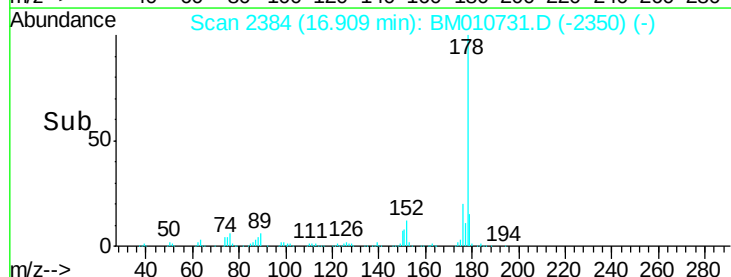
176 19.7 14.9 22.3

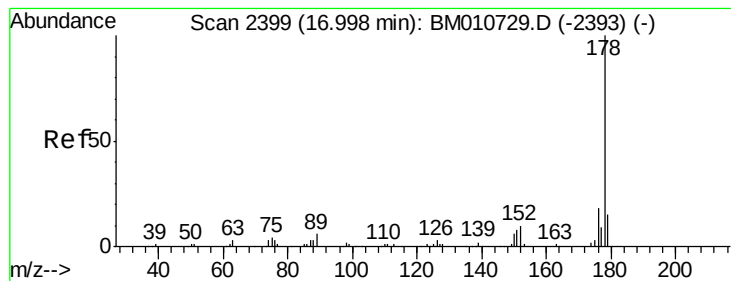


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 5.65 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. -0.00 min

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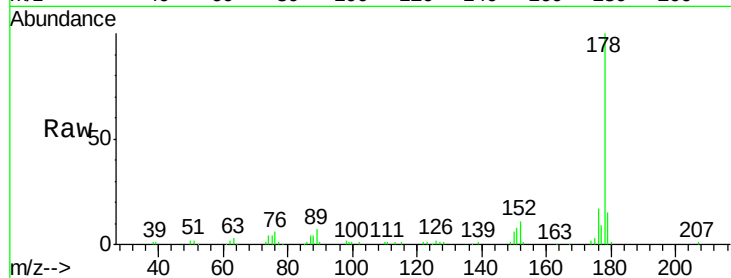
Tgt Ion:178 Resp: 118462

Ion Ratio Lower Upper

178 100

179 14.9 11.7 17.5

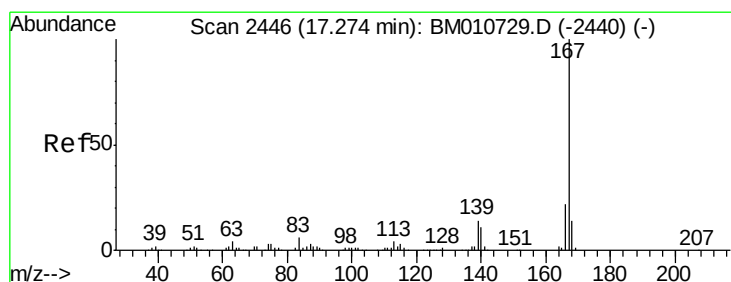
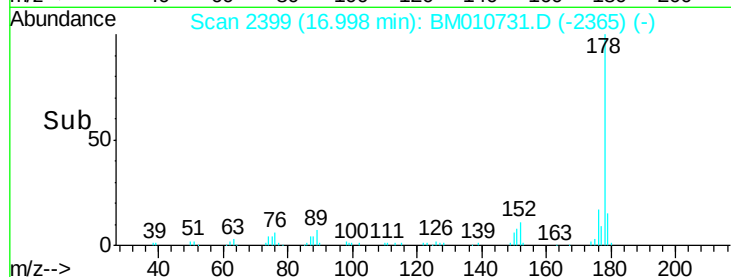
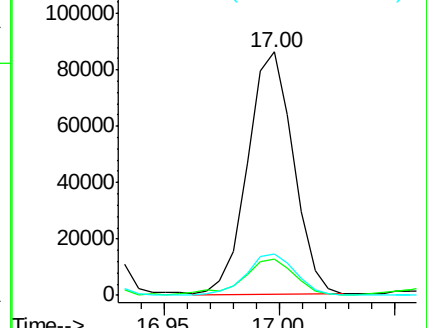
176 17.1 14.6 21.8



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



#72

Carbazole

Concen: 2.60 ng/ul

RT: 17.27 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BM010731.D

Acq: 24 Jun 2017 15:51

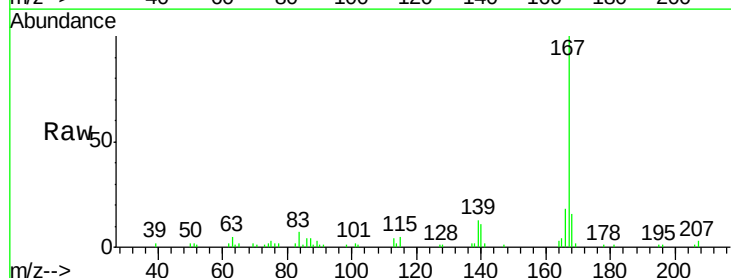
Tgt Ion:167 Resp: 47566

Ion Ratio Lower Upper

167 100

166 18.4 17.1 25.7

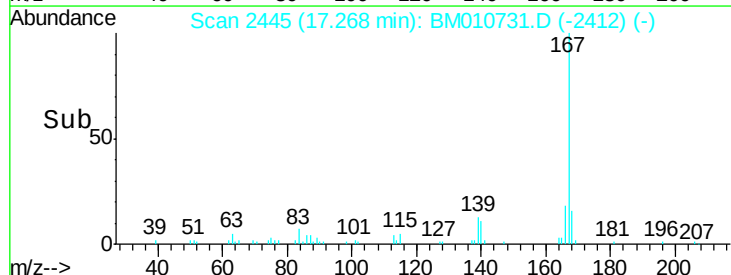
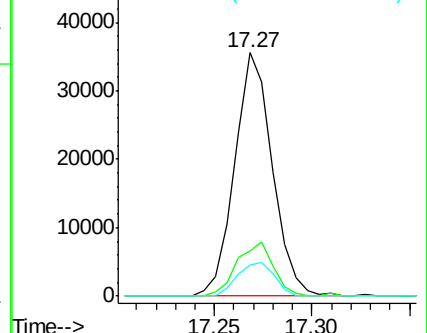
139 12.9 10.0 15.0

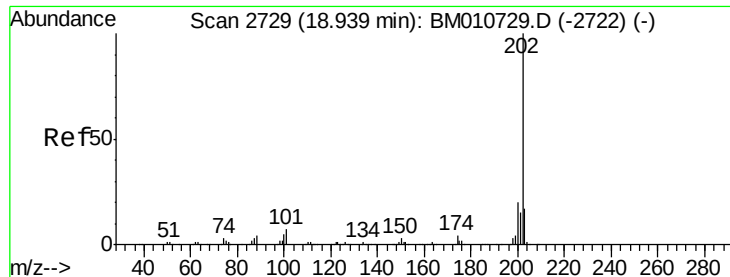


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 22.95 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BM010731.D

Acq: 24 Jun 2017 15:51

Instrument :

BNA_M

ClientSampleId :

F5C82DL

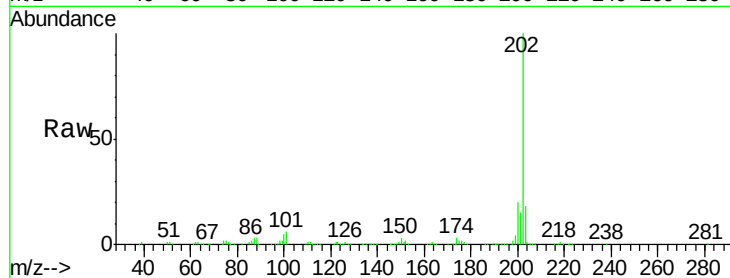
Tgt Ion:202 Resp: 601959

Ion Ratio Lower Upper

202 100

101 6.3 4.6 7.0

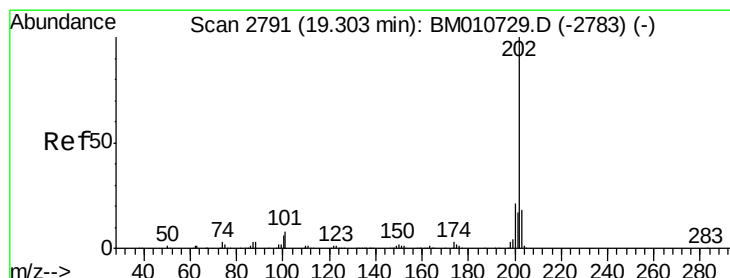
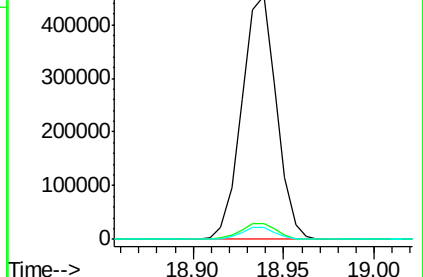
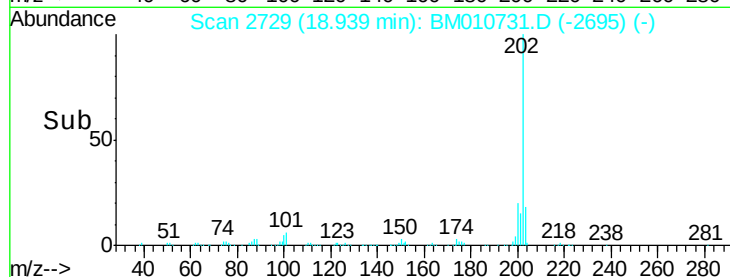
100 4.7 3.4 5.2



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



#77

Pyrene

Concen: 14.50 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BM010731.D

Acq: 24 Jun 2017 15:51

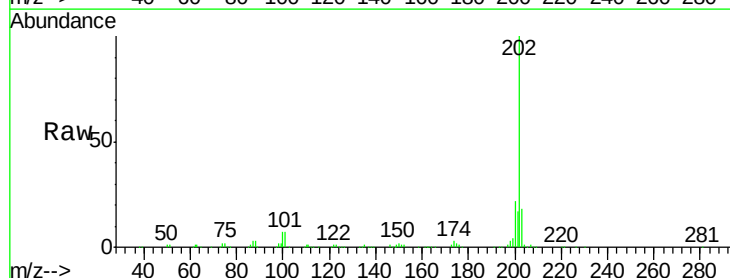
Tgt Ion:202 Resp: 408745

Ion Ratio Lower Upper

202 100

101 6.8 5.1 7.7

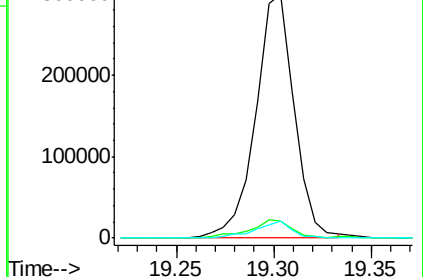
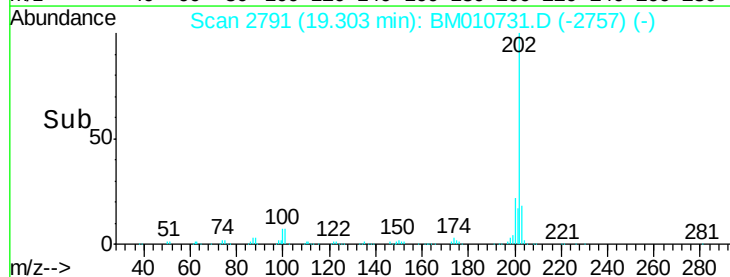
100 6.9 4.9 7.3

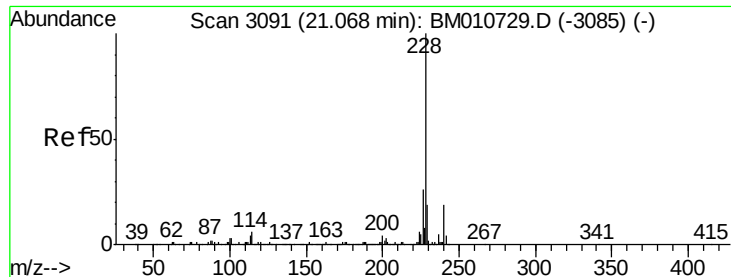


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 5.16 ng/ul

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM010731.D

Acq: 24 Jun 2017 15:51

Instrument :

BNA_M

ClientSampleId :

F5C82DL

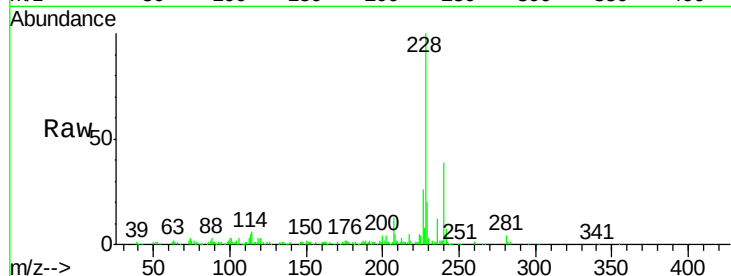
Tgt Ion:228 Resp: 146807

Ion Ratio Lower Upper

228 100

229 19.9 15.4 23.0

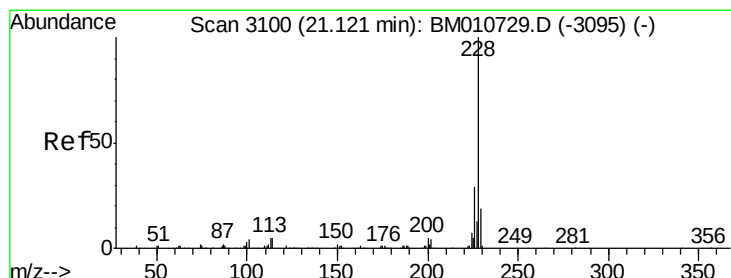
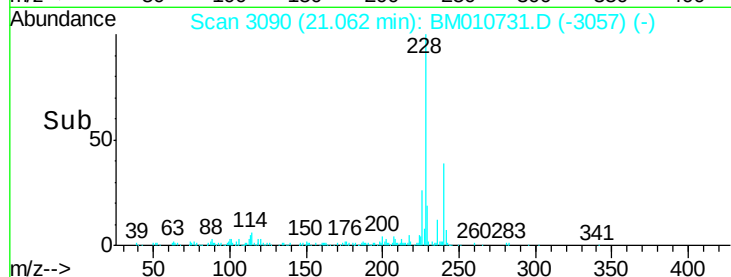
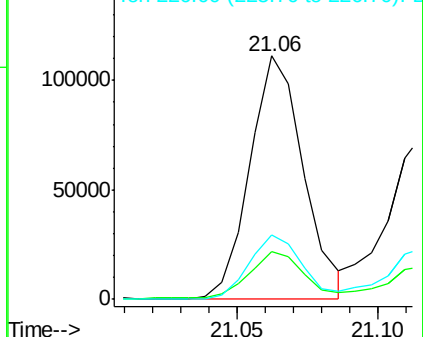
226 26.3 21.4 32.0



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



#82

Chrysene

Concen: 4.04 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM010731.D

Acq: 24 Jun 2017 15:51

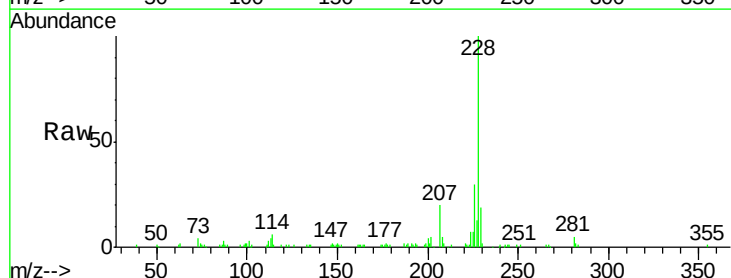
Tgt Ion:228 Resp: 102376

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

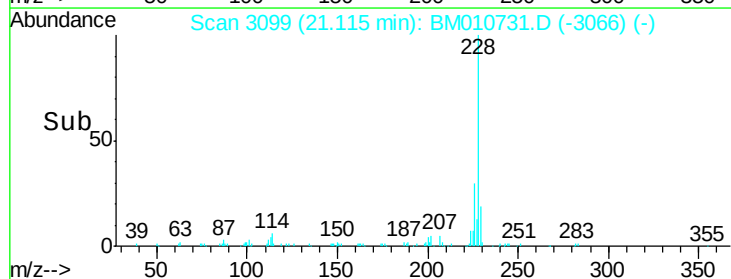
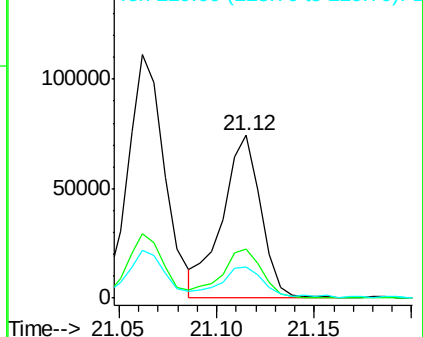
229 19.0 15.5 23.3

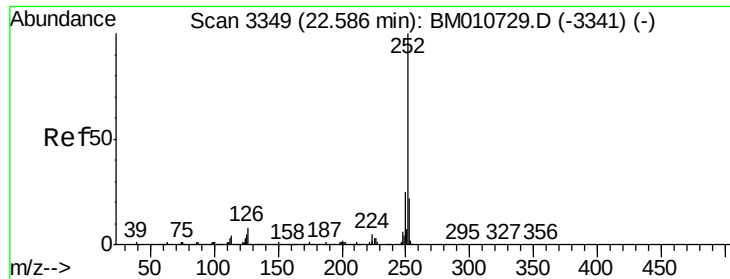


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 2.84 ng/ul

RT: 22.58 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BM010731.D

Acq: 24 Jun 2017 15:51

Instrument :

BNA_M

ClientSampleId :

F5C82DL

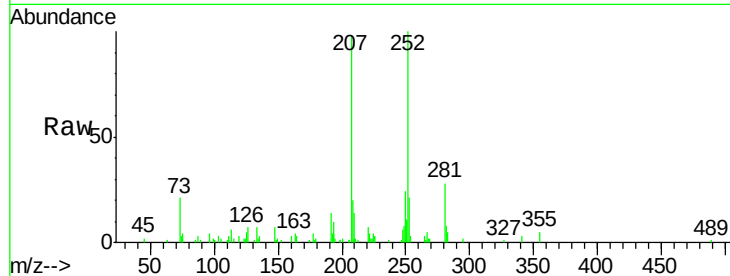
Tgt Ion:252 Resp: 74217

Ion Ratio Lower Upper

252 100

253 21.3 17.9 26.9

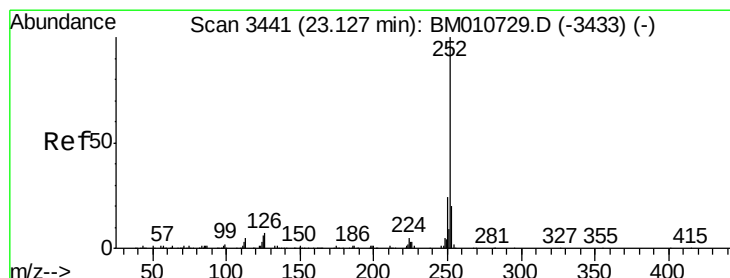
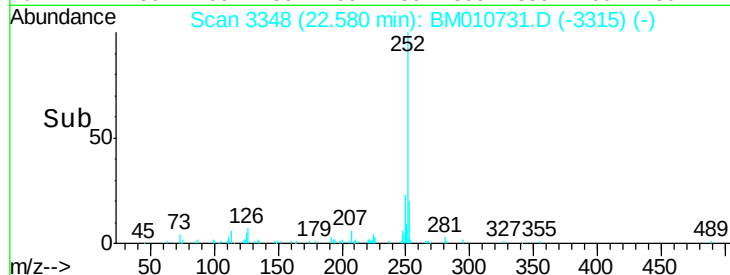
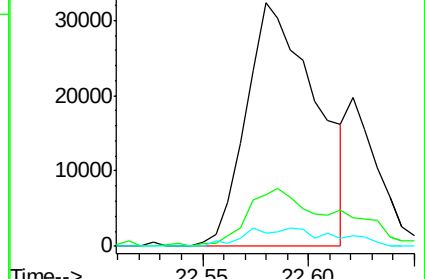
125 5.3 3.6 5.4



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(a)pyrene

Concen: 1.67 ng/ul

RT: 23.12 min Scan# 3440

Delta R.T. -0.01 min

Lab File: BM010731.D

Acq: 24 Jun 2017 15:51

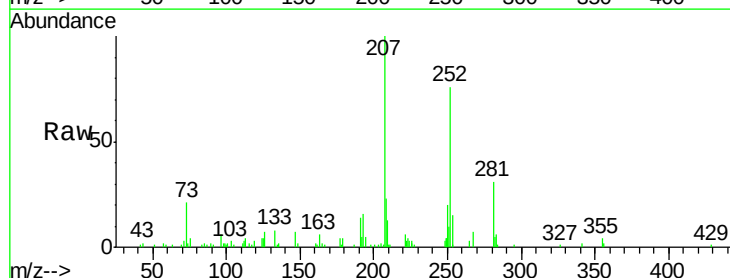
Tgt Ion:252 Resp: 40259

Ion Ratio Lower Upper

252 100

253 19.8 18.2 27.2

125 5.3 4.0 6.0



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

