

Data File : BM010721.D
Acq On : 24 Jun 2017 09:50
Operator : SJ/JU
Sample : I3627-10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A93

Quant Time: Jun 26 01:51:31 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 26 01:49:13 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	85976	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	401704	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	262790	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	628231	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	643493	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	465904	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	5512	3.67	ng/uL	0.00
5) Phenol-d5	6.65	99	154749	18.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	90953	19.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	121130	21.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	119109	17.54	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	65584	22.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	77247	23.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	149880	21.56	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	108927	14.87	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	534868	23.19	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	618312	23.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	59481	14.65	ng/ul	0.00
57) Fluorene-d10	15.11	176	456402	22.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	76518	19.83	ng/ul	0.00
70) Anthracene-d10	16.97	188	709706	23.39	ng/ul	0.00
76) Pyrene-d10	19.28	212	807161	27.00	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	530215	23.55	ng/ul	0.00

Target Compounds

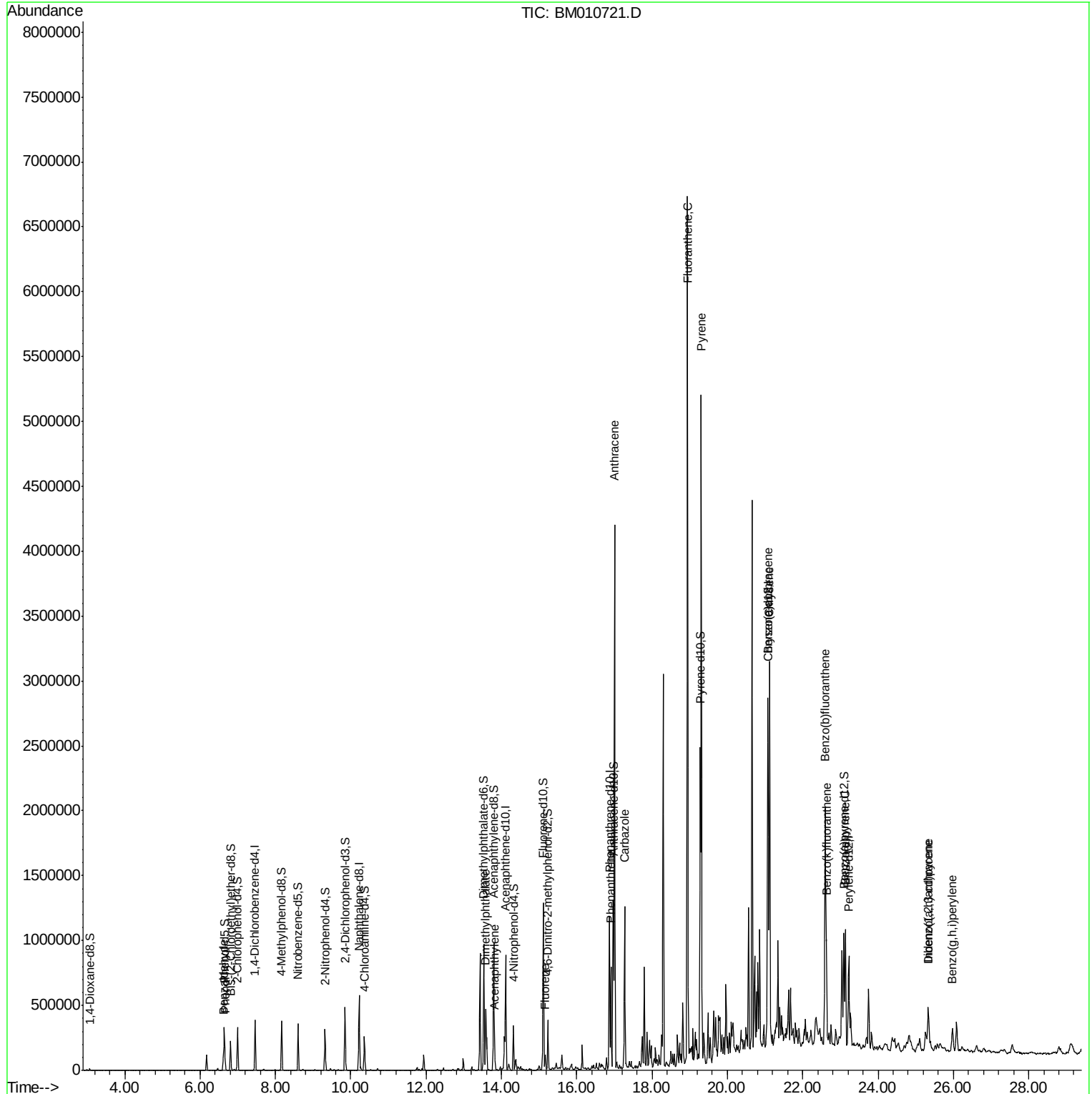
					Qvalue
4) Benzaldehyde	6.62	77	29284	6.08 ng/ul	96
6) Phenol	6.67	94	15546	1.84 ng/ul#	94
44) Dimethylphthalate	13.58	163	250787	11.09 ng/ul	98
47) Acenaphthylene	13.83	152	45586	1.78 ng/ul	100
58) Fluorene	15.17	166	40642	1.86 ng/ul	95
69) Phenanthrene	16.91	178	443221	13.27 ng/ul	99
71) Anthracene	17.00	178	2309919	67.13 ng/ul	100
72) Carbazole	17.27	167	684982	22.82 ng/ul	99
74) Fluoranthene	18.94	202	3769262	87.57 ng/ul#	96
77) Pyrene	19.31	202	3064374	82.45 ng/ul#	96
80) Benzo(a)anthracene	21.07	228	1141494	30.46 ng/ul	95
82) Chrysene	21.12	228	1561937	46.75 ng/ul	97
85) Benzo(b)fluoranthene	22.60	252	1310590	43.33 ng/ul#	99
86) Benzo(k)fluoranthene	22.63	252	382614	13.34 ng/ul#	96
88) Benzo(a)pyrene	23.13	252	549765	19.75 ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.33	276	308549	10.68 ng/ul	99
90) Dibenzo(a,h)anthracene	25.34	278	82645	3.43 ng/ul#	94
91) Benzo(g,h,i)perylene	25.99	276	219341	9.54 ng/ul	100

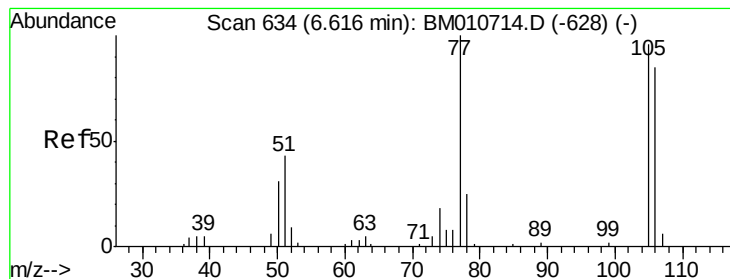
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 37 Sample Multiplier: 1

F5A93

Response via : Initial Calibration





#4

Benzaldehyde

Concen: 6.08 ng/ul

RT: 6.62 min Scan# 634

Delta R.T. -0.00 min

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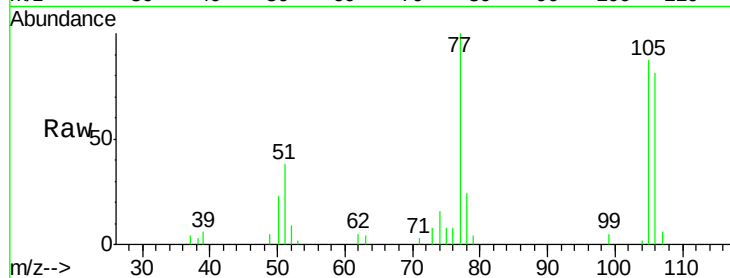
Tgt Ion: 77 Resp: 29284

Ion Ratio Lower Upper

77 100

105 87.1 66.1 99.1

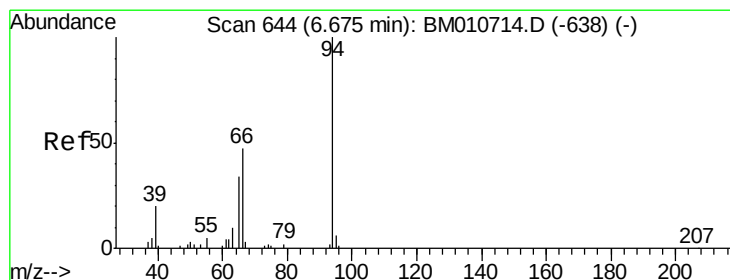
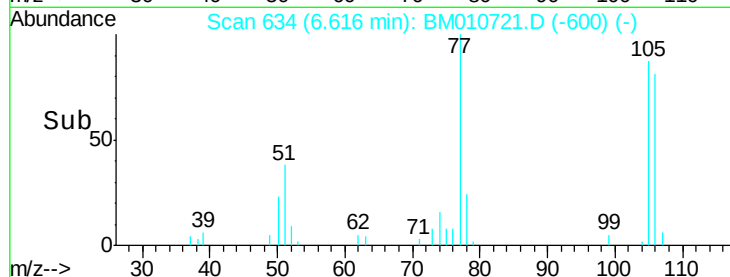
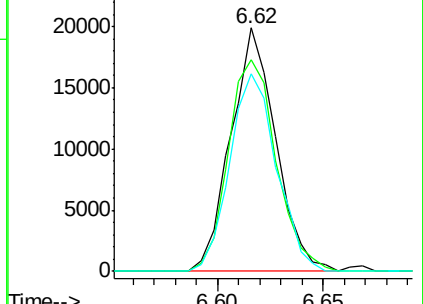
106 81.1 67.8 101.6



Abundance Ion 77.00 (76.70 to 77.70): BM010721.D (-600) (-)

Ion 105.00 (104.70 to 105.70): BM010721.D (-600) (-)

Ion 106.00 (105.70 to 106.70): BM010721.D (-600) (-)



#6

Phenol

Concen: 1.84 ng/ul

RT: 6.67 min Scan# 643

Delta R.T. -0.01 min

Lab File: BM010721.D

Acq: 24 Jun 2017 09:50

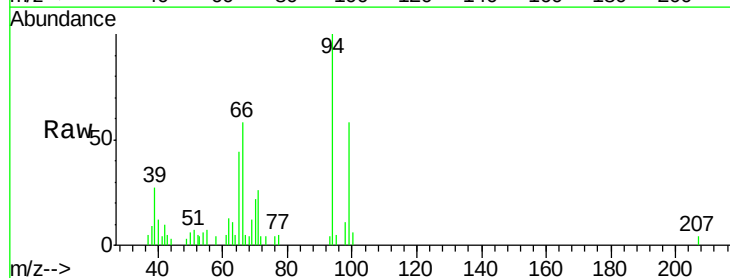
Tgt Ion: 94 Resp: 15546

Ion Ratio Lower Upper

94 100

65 43.7 28.2 42.4#

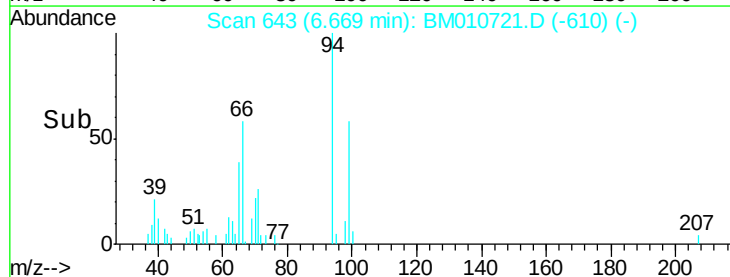
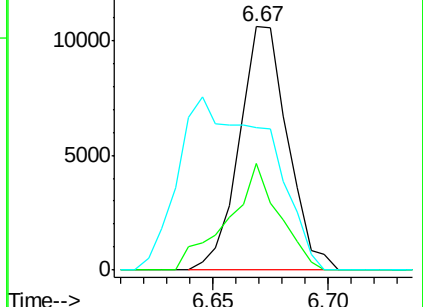
66 58.4 47.2 70.8

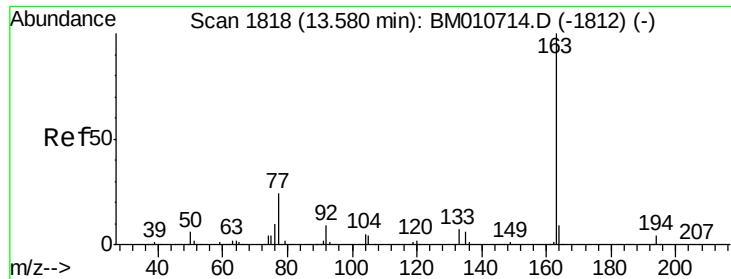


Abundance Ion 94.00 (93.70 to 94.70): BM010721.D (-610) (-)

Ion 65.00 (64.70 to 65.70): BM010721.D (-610) (-)

Ion 66.00 (65.70 to 66.70): BM010721.D (-610) (-)





#44

Dimethylphthalate

Concen: 11.09 ng/ul

RT: 13.58 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BM010721.D

Acq: 24 Jun 2017 09:50

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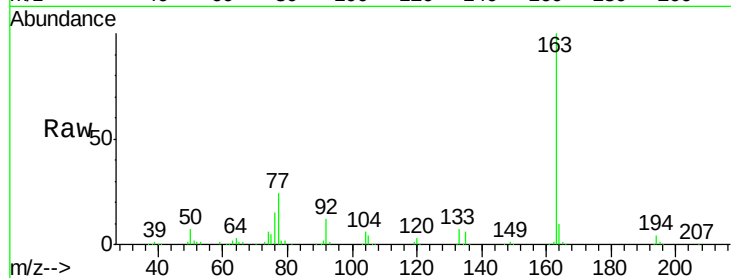
Tgt Ion:163 Resp: 250787

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

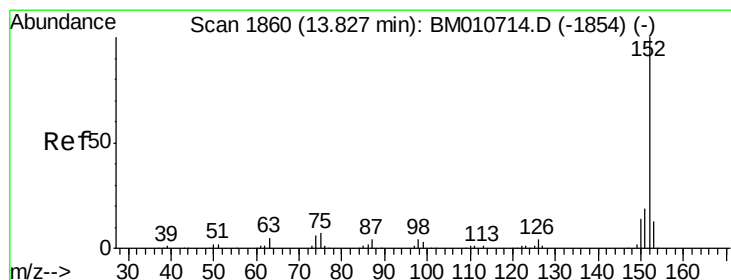
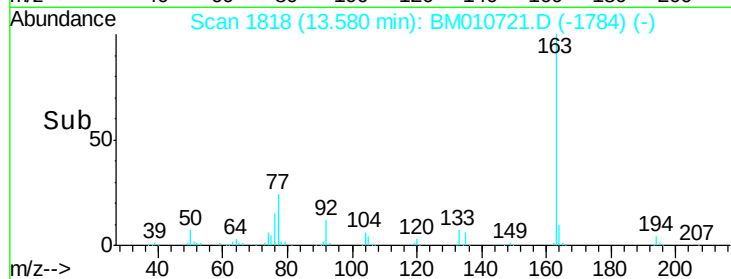
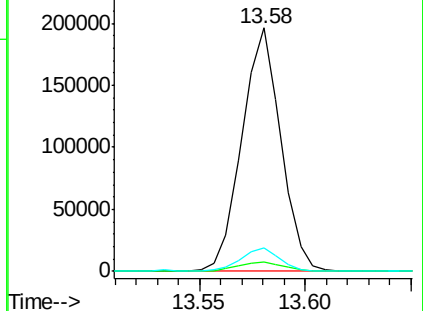
164 9.6 8.2 12.4



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: 1.78 ng/ul

RT: 13.83 min Scan# 1860

Delta R.T. -0.00 min

Lab File: BM010721.D

Acq: 24 Jun 2017 09:50

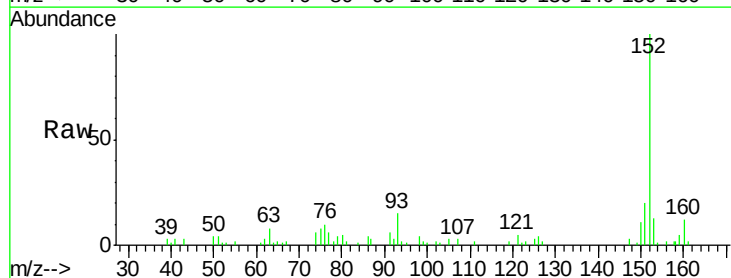
Tgt Ion:152 Resp: 45586

Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

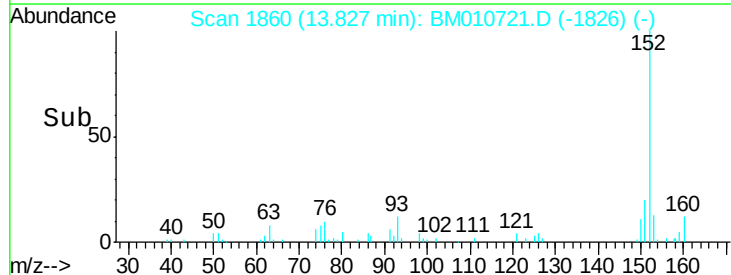
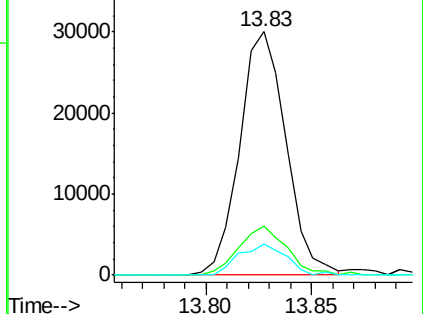
153 12.6 10.2 15.4

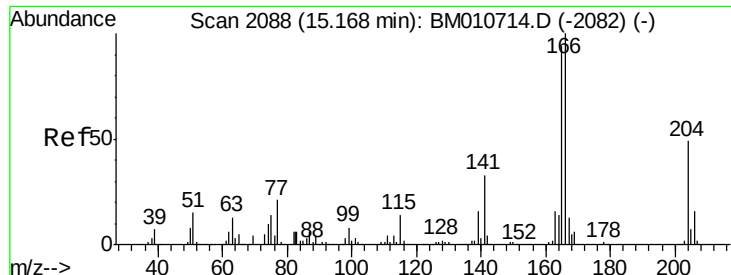


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#58

Fluorene

Concen: 1.86 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM010721.D

Acq: 24 Jun 2017 09:50

Instrument :

BNA_M

ClientSampleId :

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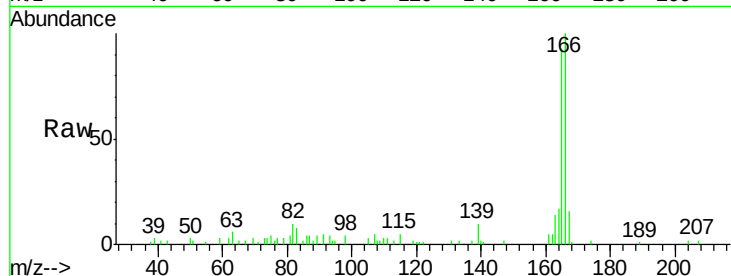
Tgt Ion:166 Resp: 40642

Ion Ratio Lower Upper

166 100

165 92.8 77.9 116.9

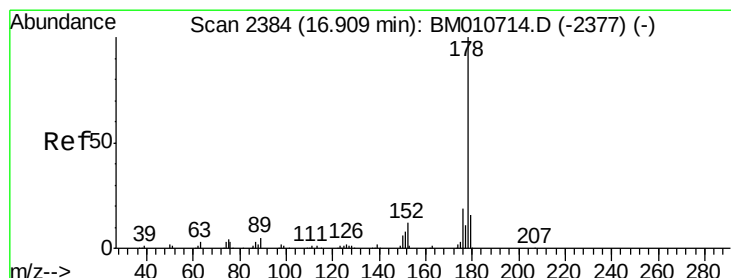
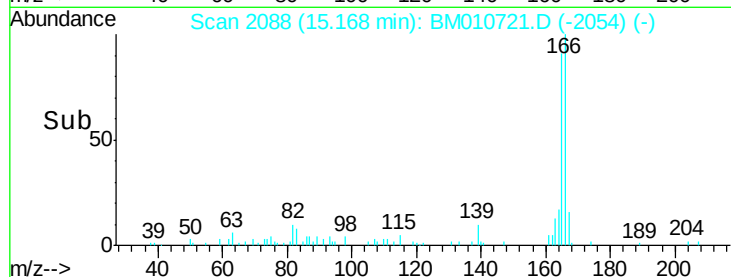
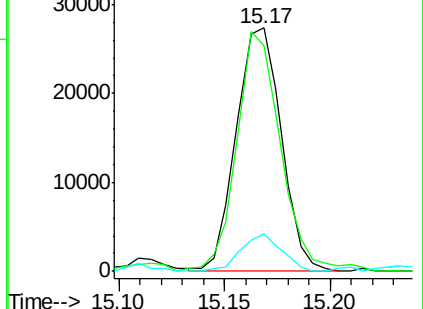
167 15.6 10.6 16.0



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: 13.27 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM010721.D

Acq: 24 Jun 2017 09:50

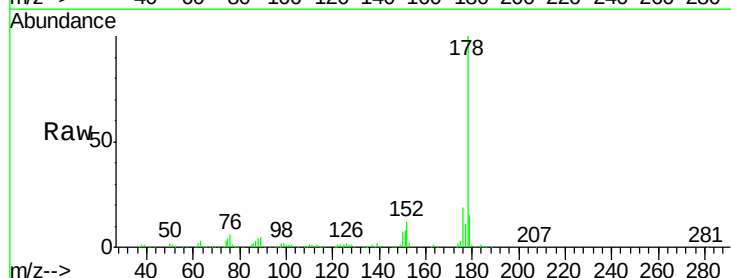
Tgt Ion:178 Resp: 443221

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

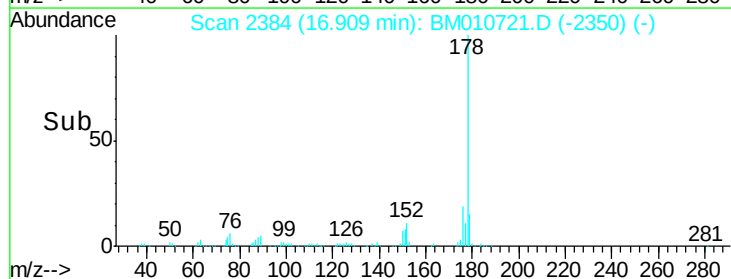
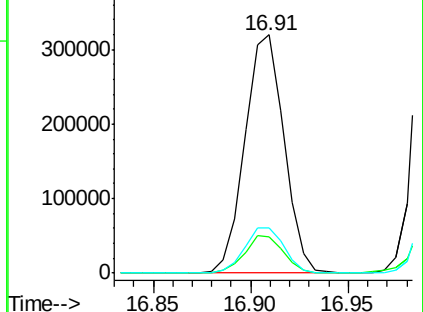
176 19.2 14.9 22.3

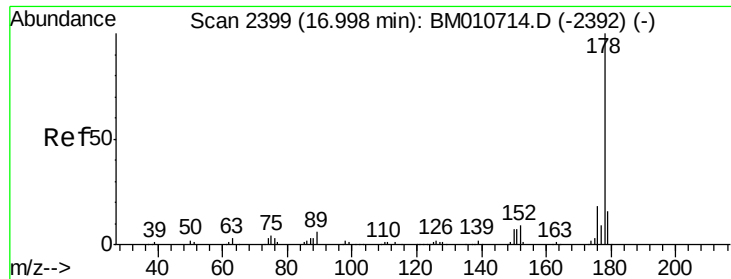


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

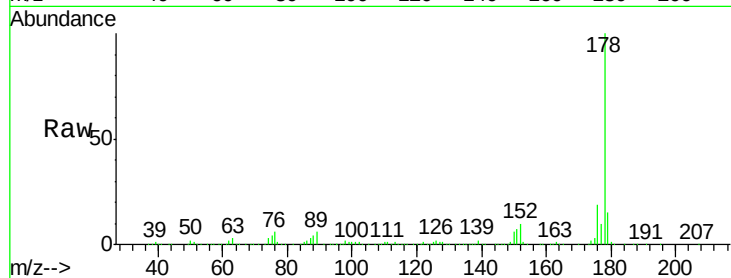




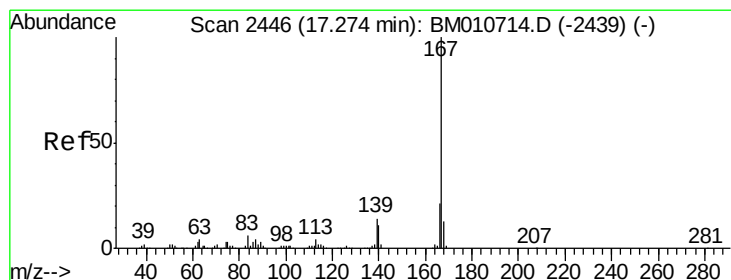
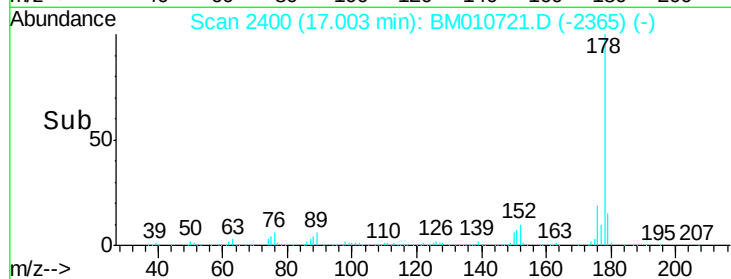
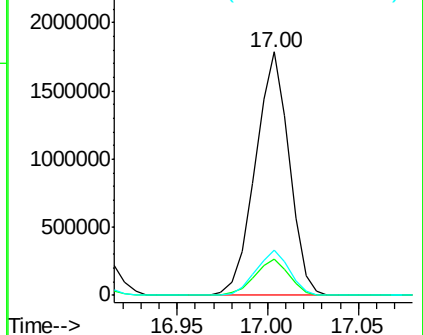
#71
 Anthracene
 Concen: 67.13 ng/ul
 RT: 17.00 min Scan# 2400
 Delta R.T. 0.01 min
 Lab File: BM010721.D
 Acq: 24 Jun 2017 09:50

Instrument :
 BNA_M
 ClientSampleId :
 F5A93

Tgt Ion:178 Resp: 2309919
 Ion Ratio Lower Upper
 178 100
 179 14.7 11.7 17.5
 176 18.5 14.6 21.8

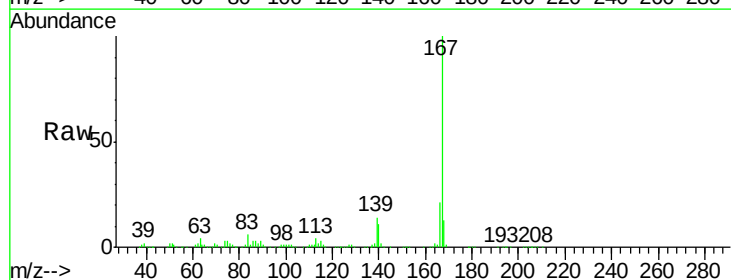


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

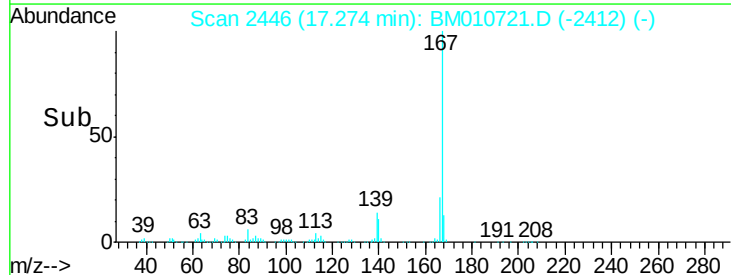
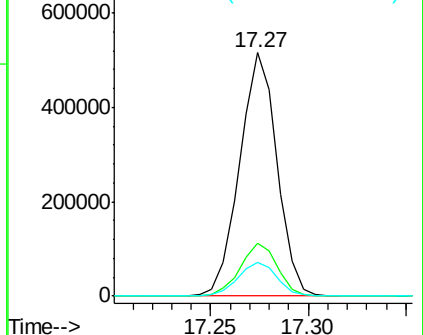


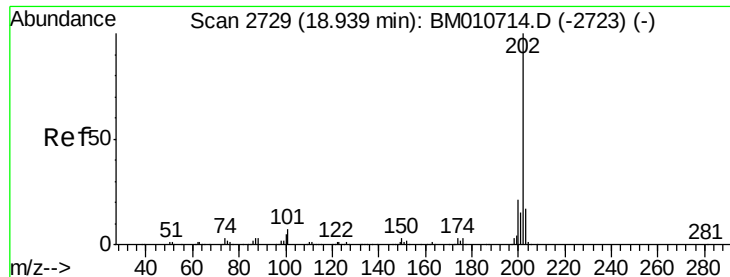
#72
 Carbazole
 Concen: 22.82 ng/ul
 RT: 17.27 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM010721.D
 Acq: 24 Jun 2017 09:50

Tgt Ion:167 Resp: 684982
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.1 25.7
 139 13.8 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: 87.57 ng/ul

RT: 18.94 min Scan# 2730

Delta R.T. 0.01 min

Lab File: BM010721.D

Acq: 24 Jun 2017 09:50

Instrument :

BNA_M

ClientSampleId :

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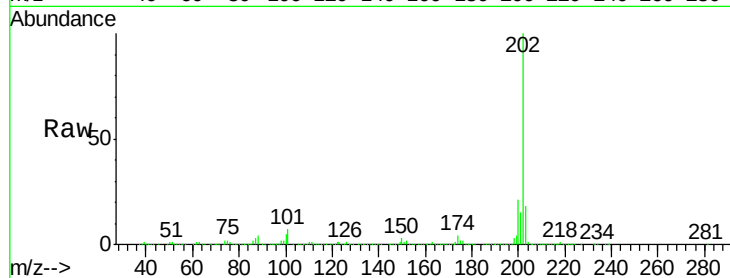
Tgt Ion:202 Resp: 3769262

Ion Ratio Lower Upper

202 100

101 7.2 4.6 7.0#

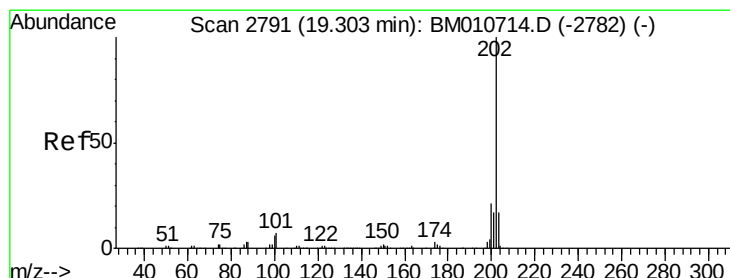
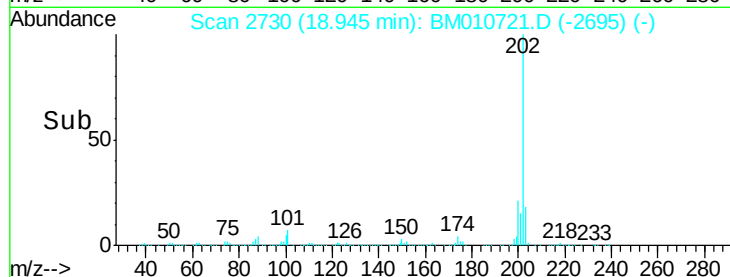
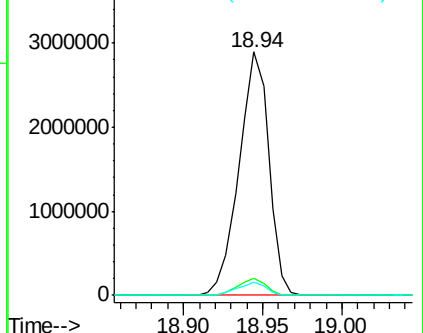
100 5.4 3.4 5.2#



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: 82.45 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BM010721.D

Acq: 24 Jun 2017 09:50

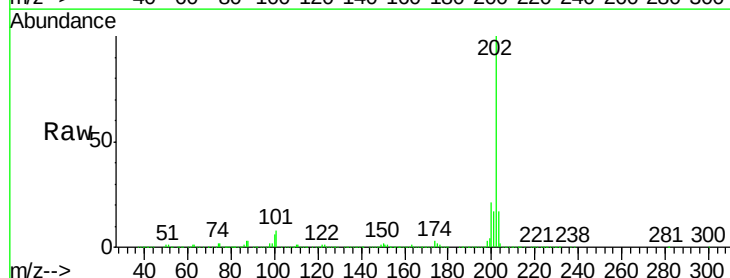
Tgt Ion:202 Resp: 3064374

Ion Ratio Lower Upper

202 100

101 8.5 5.1 7.7#

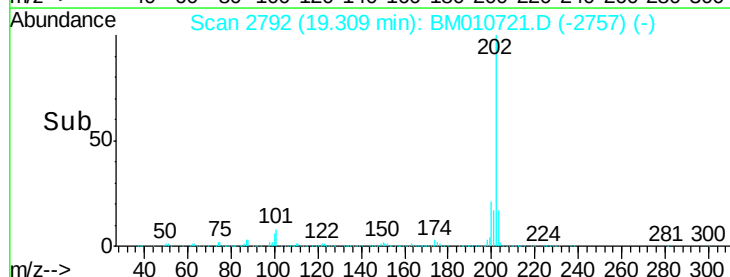
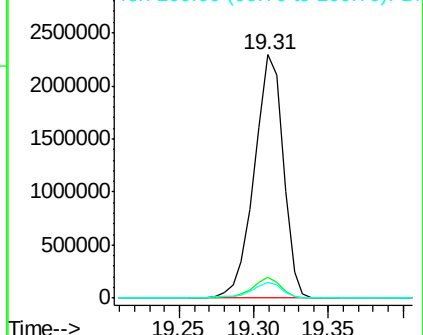
100 6.5 4.9 7.3

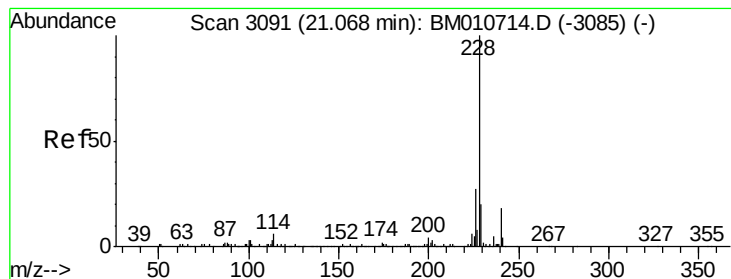


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 30.46 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. -0.00 min

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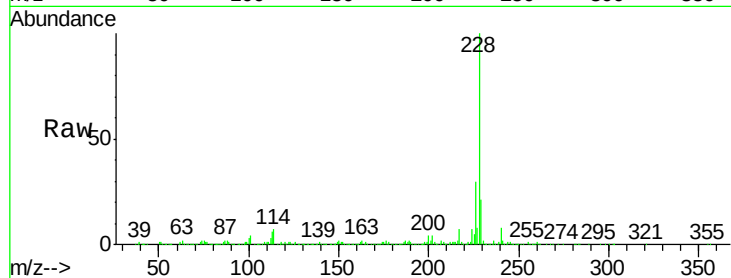
Tgt Ion:228 Resp: 1141494

Ion Ratio Lower Upper

228 100

229 20.7 15.4 23.0

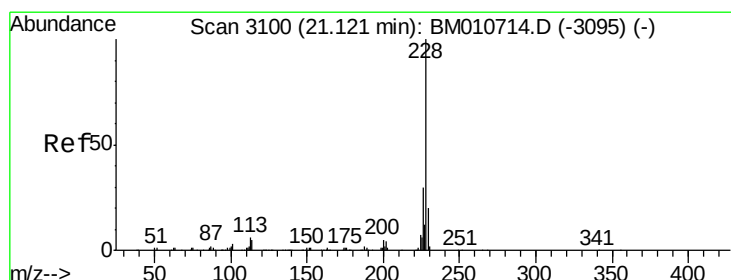
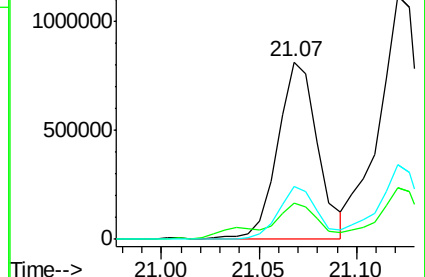
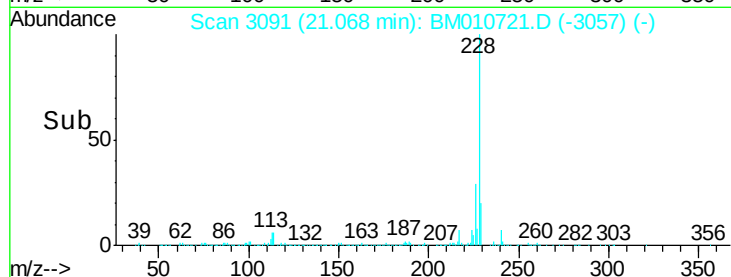
226 29.6 21.4 32.0



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: 46.75 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. -0.00 min

Lab File: BM010721.D

Acq: 24 Jun 2017 09:50

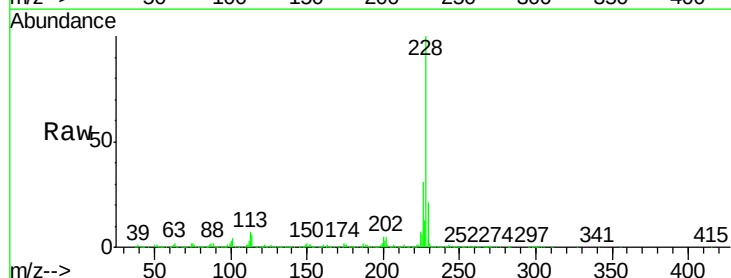
Tgt Ion:228 Resp: 1561937

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

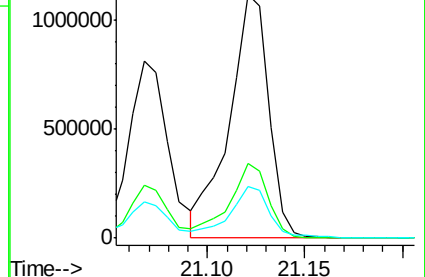
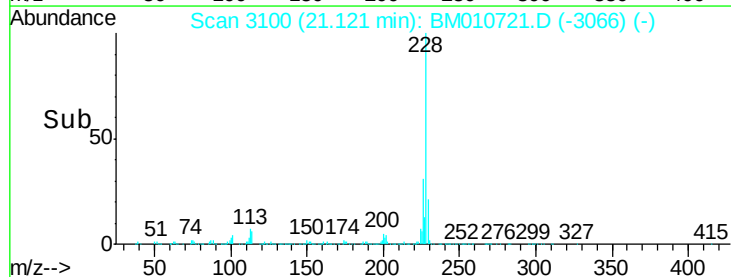
229 21.5 15.5 23.3

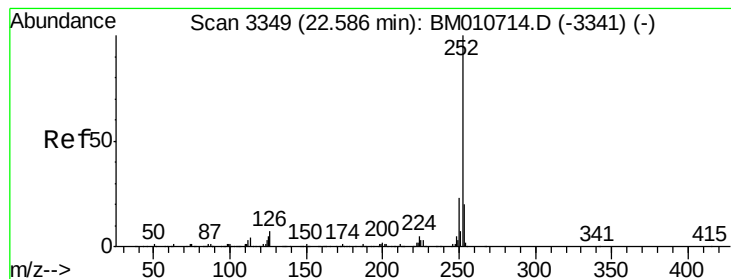


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 43.33 ng/ul

RT: 22.60 min Scan# 3351

Delta R.T. 0.01 min

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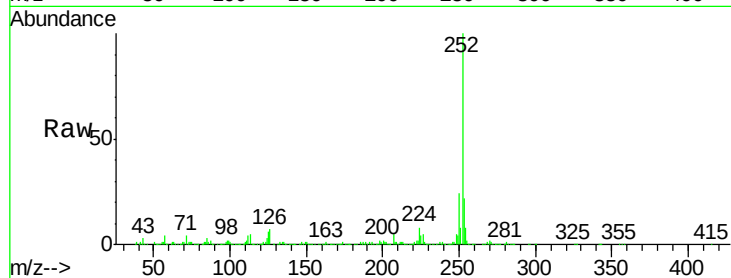
Tgt Ion:252 Resp: 1310590

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

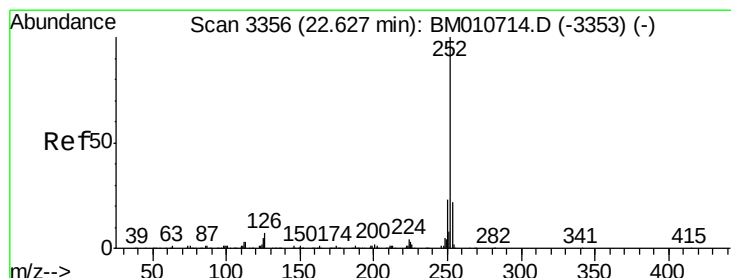
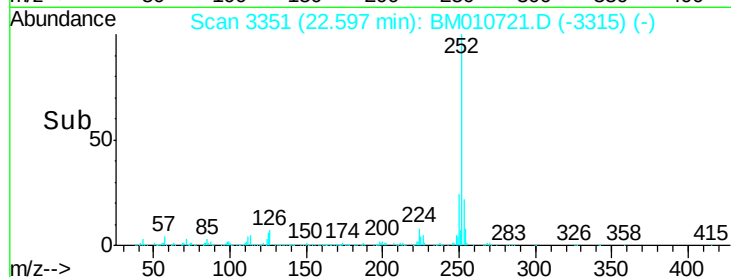
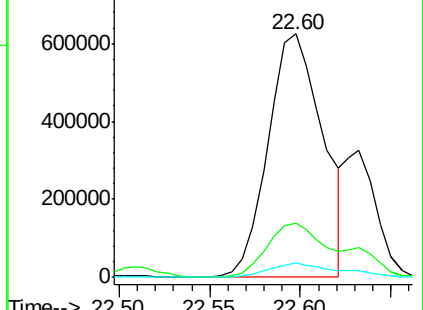
125 5.8 3.6 5.4#



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



#86

Benzo(k)fluoranthene

Concen: 13.34 ng/ul

RT: 22.63 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM010721.D

Acq: 24 Jun 2017 09:50

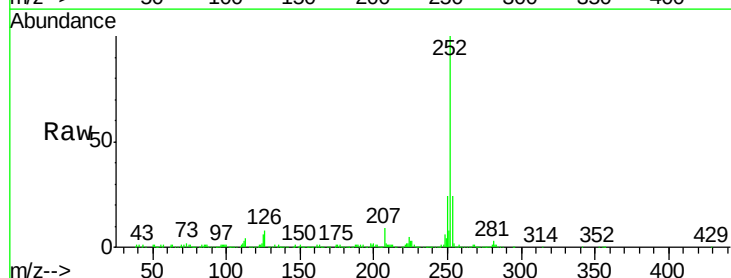
Tgt Ion:252 Resp: 382614

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

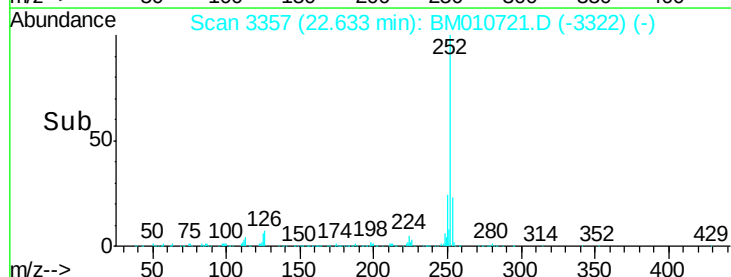
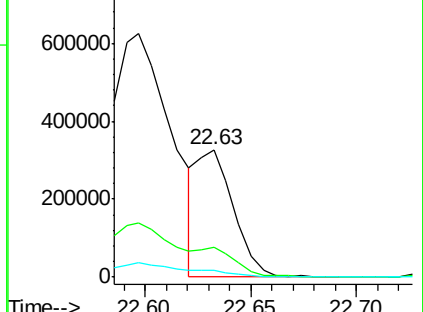
125 5.7 3.4 5.2#

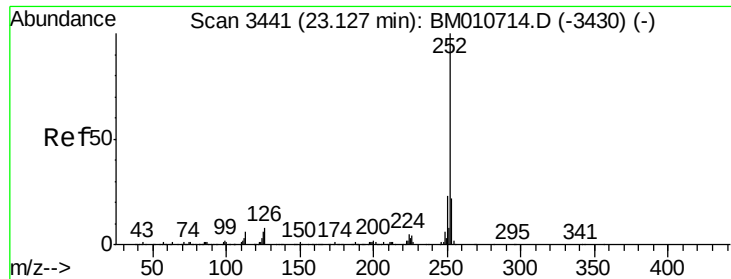


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 19.75 ng/ul

RT: 23.13 min Scan# 3442

Delta R.T. 0.01 min

Lab File: BM010721.D

Acq: 24 Jun 2017 09:50

Instrument :

BNA_M

ClientSampleId :

F5A93

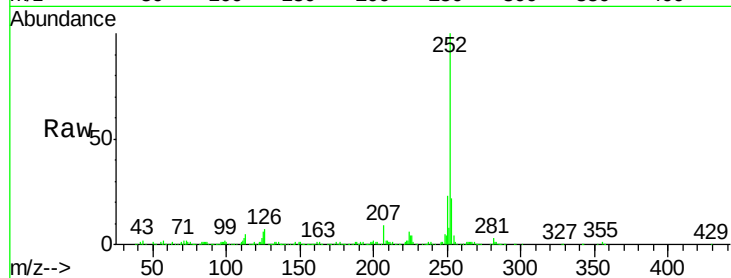
Tgt Ion:252 Resp: 549765

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

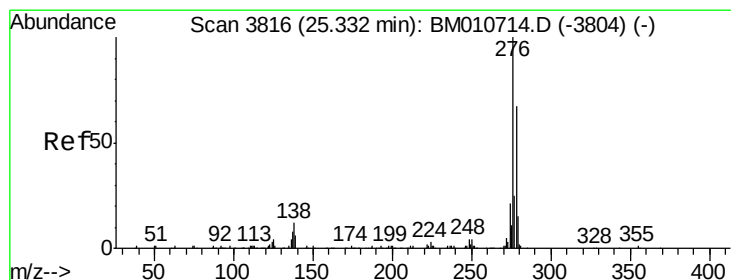
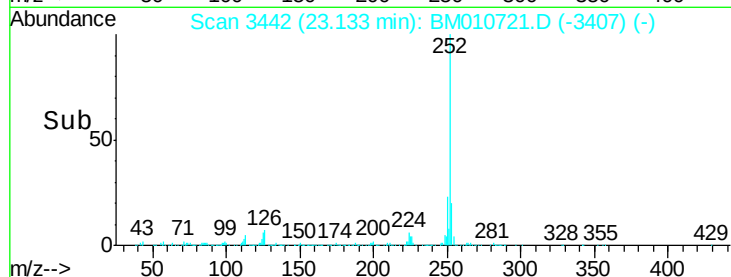
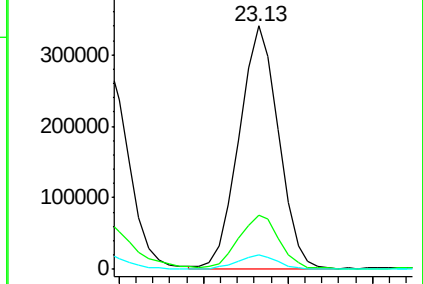
125 5.8 4.0 6.0



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 10.68 ng/ul

RT: 25.33 min Scan# 3816

Delta R.T. -0.00 min

Lab File: BM010721.D

Acq: 24 Jun 2017 09:50

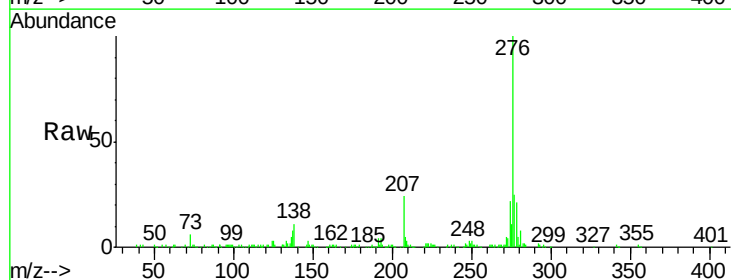
Tgt Ion:276 Resp: 308549

Ion Ratio Lower Upper

276 100

138 11.3 9.3 13.9

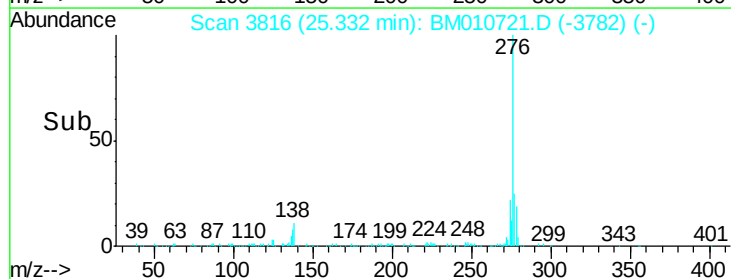
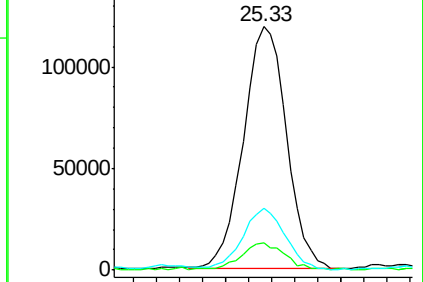
277 25.5 19.9 29.9

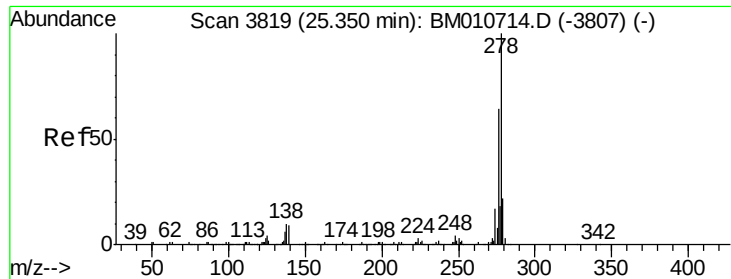


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.43 ng/ul

RT: 25.34 min Scan# 3818

Delta R.T. -0.01 min

Lab File: BM010721.D

Acq: 24 Jun 2017 09:50

Instrument :

BNA_M

ClientSampleId :

F5A93

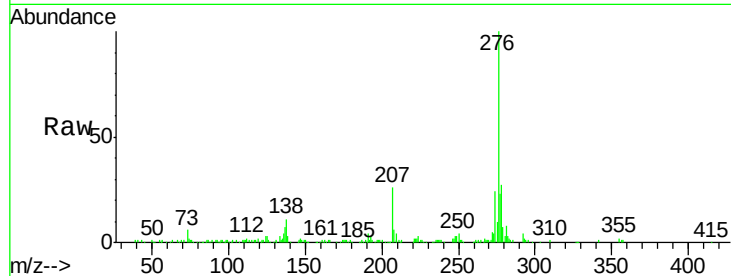
Tgt Ion:278 Resp: 82645

Ion Ratio Lower Upper

278 100

139 10.8 5.8 8.8#

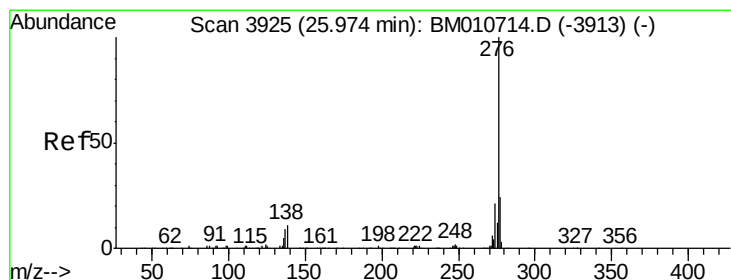
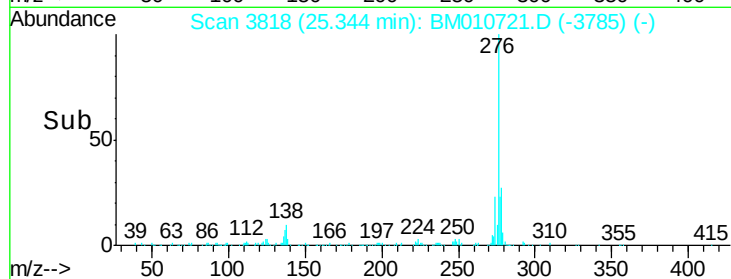
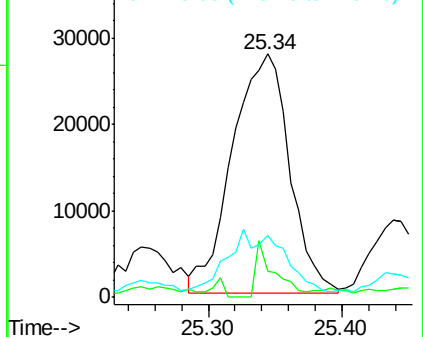
279 25.3 18.6 27.8



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



#91

Benzo(g,h,i)perylene

Concen: 9.54 ng/ul

RT: 25.99 min Scan# 3927

Delta R.T. 0.01 min

Lab File: BM010721.D

Acq: 24 Jun 2017 09:50

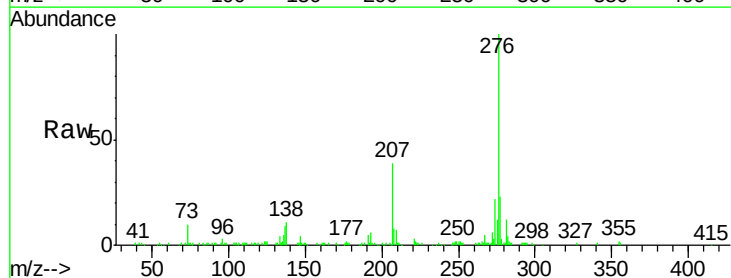
Tgt Ion:276 Resp: 219341

Ion Ratio Lower Upper

276 100

138 10.8 8.5 12.7

277 23.2 18.6 28.0



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

