

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010717.D
 Acq On : 24 Jun 2017 07:26
 Operator : SJ/JU
 Sample : I3627-12
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5B42

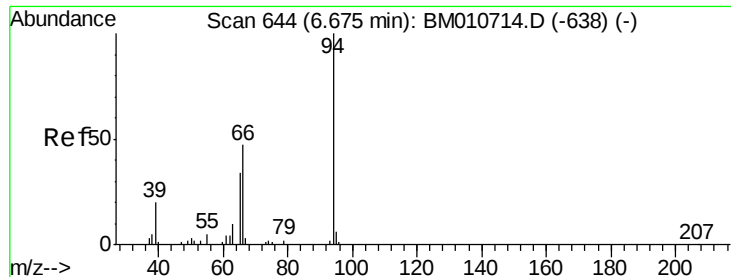
Quant Time: Jun 26 01:50:43 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 26 01:49:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	98816	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	461548	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	312819	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	735876	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	747412	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	545258	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.07	96	6165	3.57	ng/uL	0.00
5) Phenol-d5	6.65	99	196559	20.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	109936	20.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	154216	23.35	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	163394	20.94	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	85298	25.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	102898	27.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	197775	24.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	216904	25.77	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	697369	25.40	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	803921	25.17	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	86622	17.92	ng/ul	0.00
57) Fluorene-d10	15.11	176	589637	24.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	105003	23.23	ng/ul	0.00
70) Anthracene-d10	16.87	188	735876	20.71	ng/ul	-0.09
76) Pyrene-d10	19.27	212	1025303	29.53	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	662954	25.16	ng/ul	0.00

Target Compounds				Qvalue		
6) Phenol	6.67	94	17761	1.83	ng/ul#	83
44) Dimethylphthalate	13.58	163	297832	11.06	ng/ul	100
47) Acenaphthylene	13.83	152	88473	2.91	ng/ul#	96
69) Phenanthrene	16.90	178	56313	1.44	ng/ul	98
71) Anthracene	17.00	178	94605	2.35	ng/ul	98
74) Fluoranthene	18.94	202	461849	9.16	ng/ul#	99
77) Pyrene	19.30	202	1061895	24.60	ng/ul#	97
80) Benzo(a)anthracene	21.10	228	359095	8.25	ng/ul	93
82) Chrysene	21.12	228	360858	9.30	ng/ul	94
85) Benzo(b)fluoranthene	22.60	252	1636698	46.24	ng/ul	99
86) Benzo(k)fluoranthene	22.63	252	497387	14.82	ng/ul	96
88) Benzo(a)pyrene	23.14	252	875527	26.87	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.34	276	527641	15.61	ng/ul	99
90) Dibenzo(a,h)anthracene	25.34	278	141791	5.03	ng/ul#	86
91) Benzo(g,h,i)perylene	25.99	276	387900	14.42	ng/ul	97

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



#6

Phenol

Concen: 1.83 ng/ul

RT: 6.67 min Scan# 644

Delta R.T. 0.00 min

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ClientSampleId :

F5B42

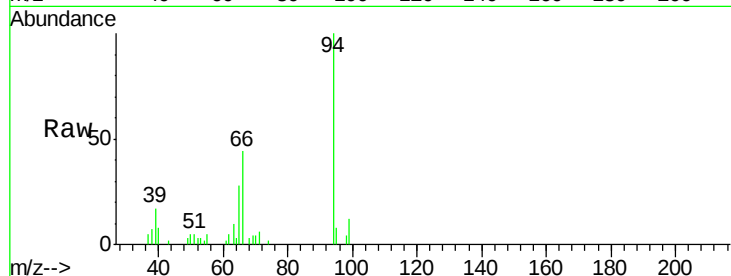
Tgt Ion: 94 Resp: 17761

Ion Ratio Lower Upper

94 100

65 28.0 28.2 42.4#

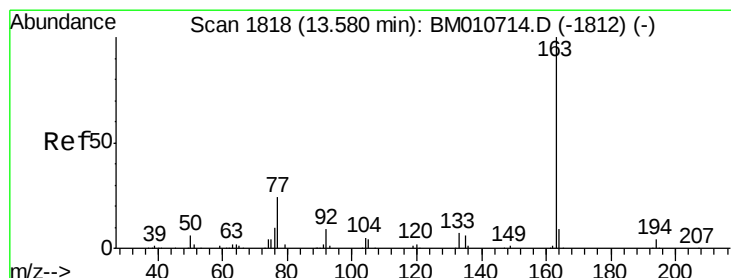
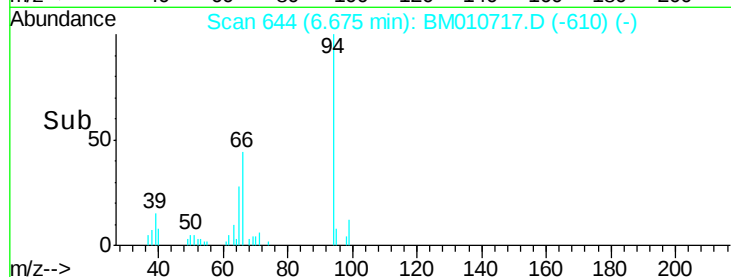
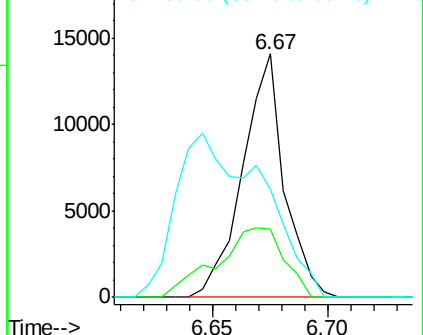
66 44.2 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM010717.D (-610) (-)

Ion 65.00 (64.70 to 65.70): BM010717.D (-610) (-)

Ion 66.00 (65.70 to 66.70): BM010717.D (-610) (-)



#44

Dimethylphthalate

Concen: 11.06 ng/ul

RT: 13.58 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BM010717.D

Acq: 24 Jun 2017 07:26

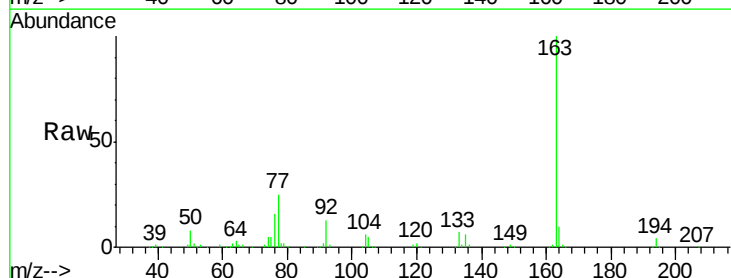
Tgt Ion: 163 Resp: 297832

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

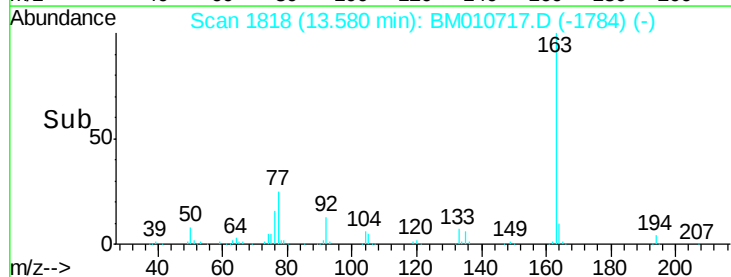
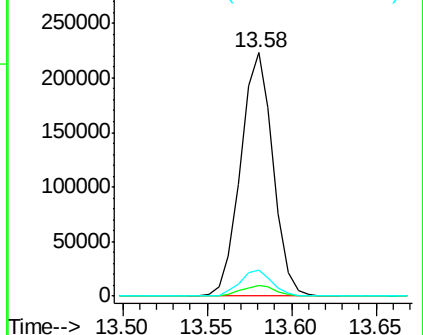
164 10.5 8.2 12.4

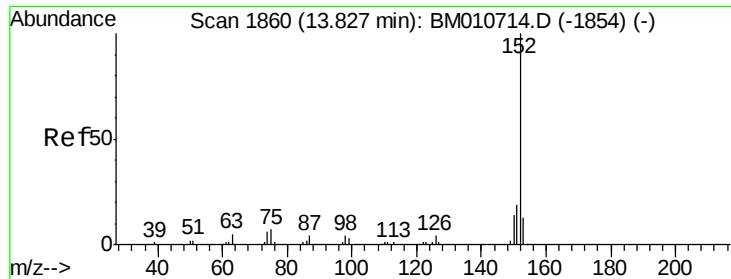


Abundance Ion 163.00 (162.70 to 163.70): BM010717.D (-1784) (-)

Ion 194.00 (193.70 to 194.70): BM010717.D (-1784) (-)

Ion 164.00 (163.70 to 164.70): BM010717.D (-1784) (-)





#47

Acenaphthylene

Concen: 2.91 ng/ul

RT: 13.83 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM010717.D

Acq: 24 Jun 2017 07:26

Instrument :

BNA_M

ClientSampleId :

F5B42

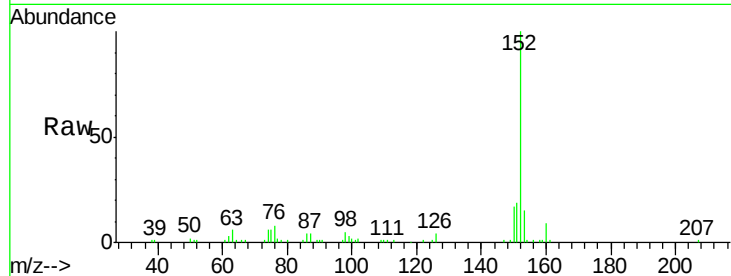
Tgt Ion:152 Resp: 88473

Ion Ratio Lower Upper

152 100

151 19.3 16.3 24.5

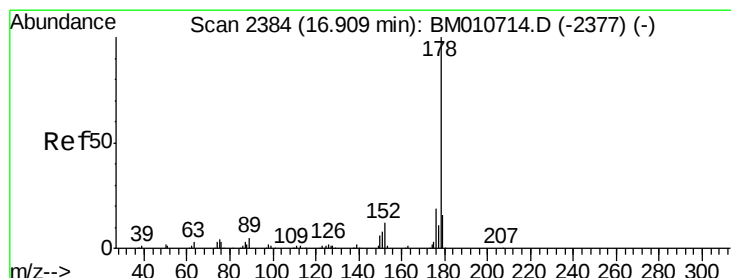
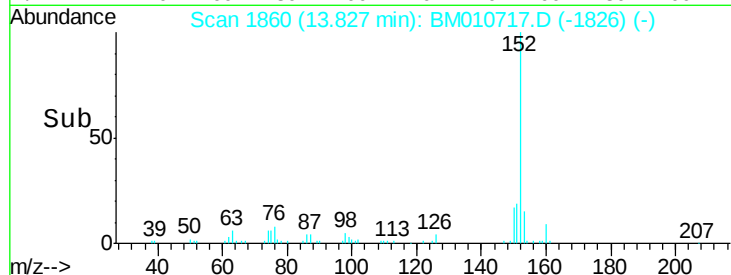
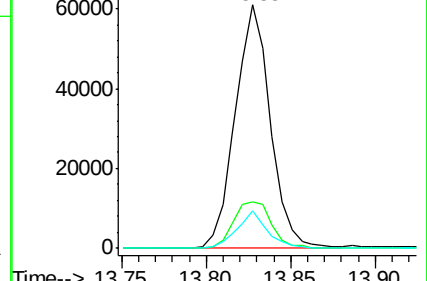
153 15.5 10.2 15.4#



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



#69

Phenanthrene

Concen: 1.44 ng/ul

RT: 16.90 min Scan# 2383

Delta R.T. -0.01 min

Lab File: BM010717.D

Acq: 24 Jun 2017 07:26

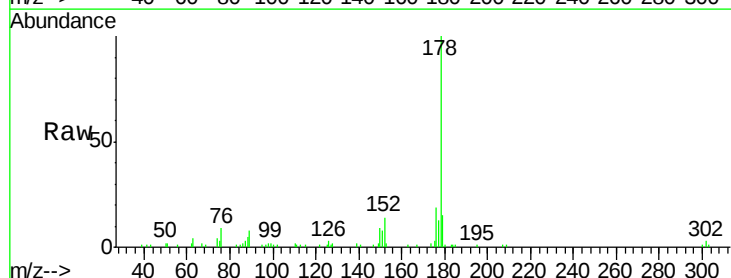
Tgt Ion:178 Resp: 56313

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

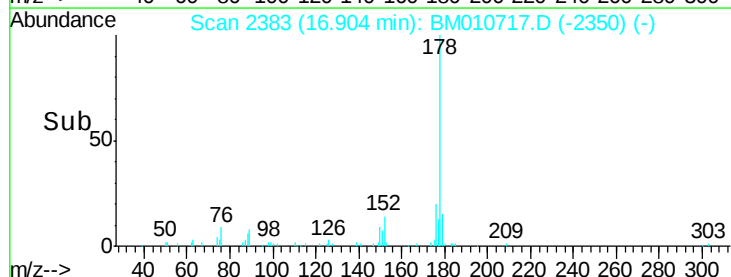
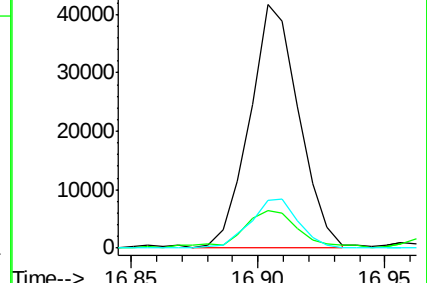
176 19.4 14.9 22.3

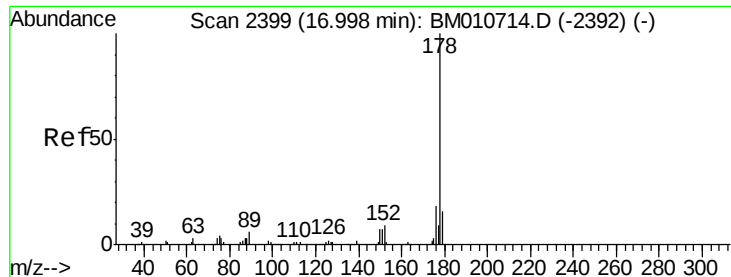


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

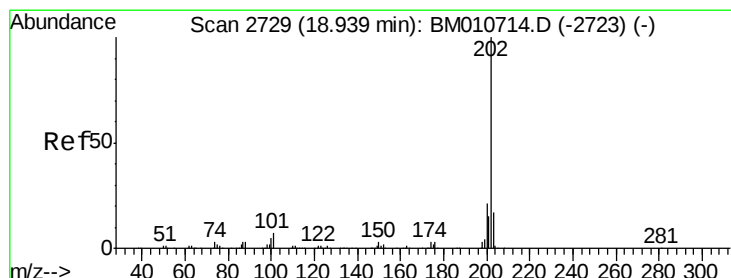
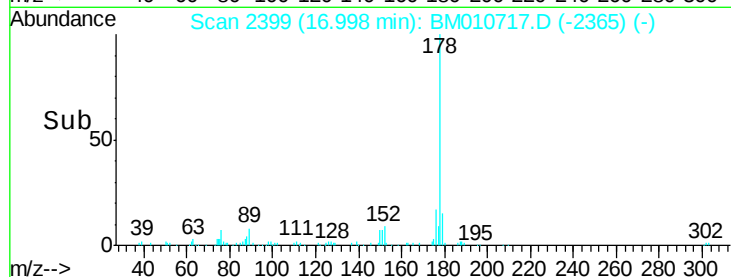
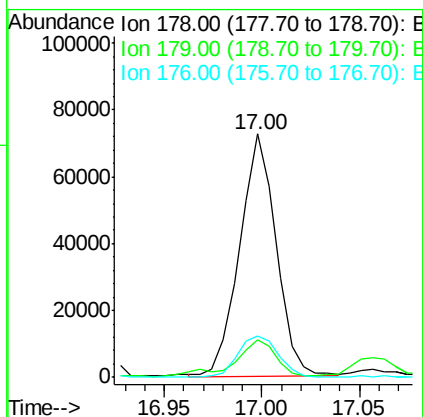
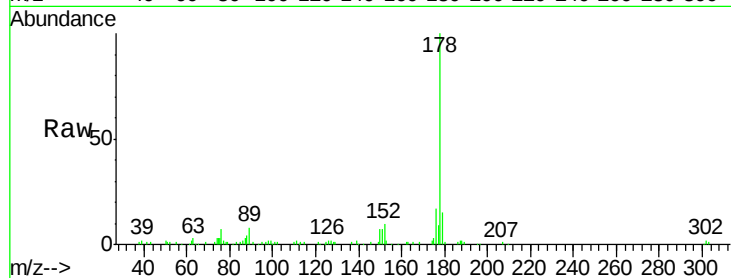




#71
 Anthracene
 Concen: 2.35 ng/ul
 RT: 17.00 min Scan# 2399
 Delta R.T. 0.00 min
 Lab File: BM010717.D
 Acq: 24 Jun 2017 07:26

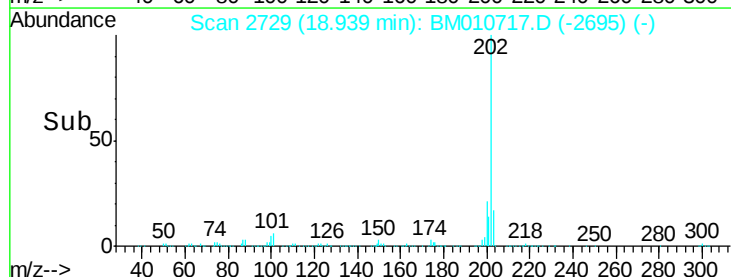
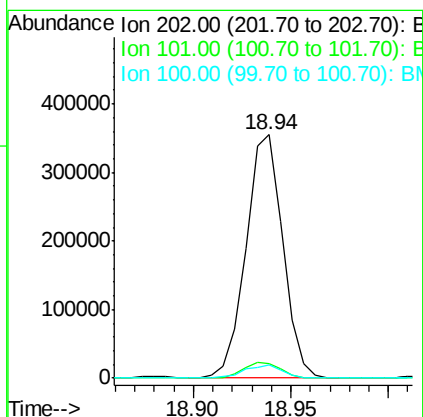
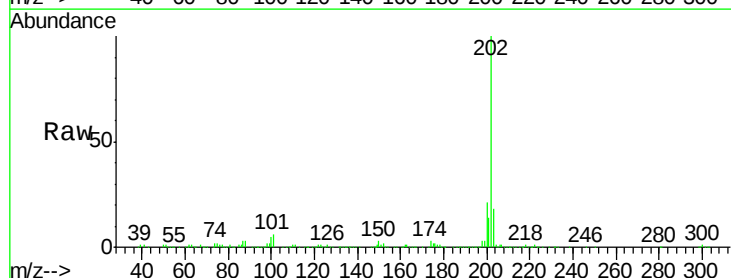
Instrument :
 BNA_M
 ClientSampleId :
 F5B42

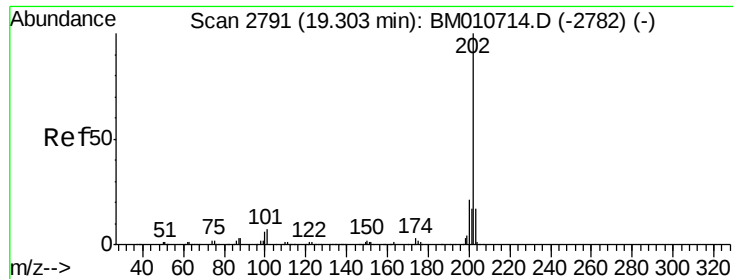
Tgt Ion:178 Resp: 94605
 Ion Ratio Lower Upper
 178 100
 179 15.4 11.7 17.5
 176 16.9 14.6 21.8



#74
 Fluoranthene
 Concen: 9.16 ng/ul
 RT: 18.94 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: BM010717.D
 Acq: 24 Jun 2017 07:26

Tgt Ion:202 Resp: 461849
 Ion Ratio Lower Upper
 202 100
 101 6.0 4.6 7.0
 100 5.2 3.4 5.2#





#77

Pyrene

Concen: 24.60 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BM010717.D

Acq: 24 Jun 2017 07:26

Instrument :

BNA_M

ClientSampleId :

F5B42

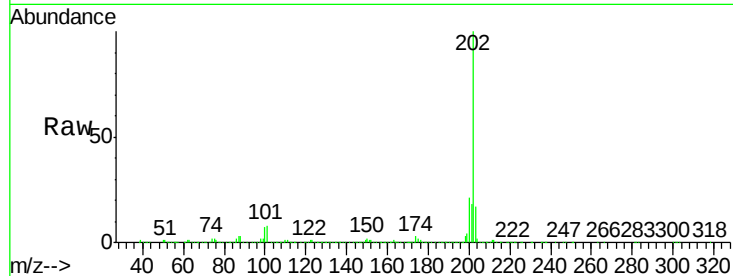
Tgt Ion:202 Resp: 1061895

Ion Ratio Lower Upper

202 100

101 8.1 5.1 7.7#

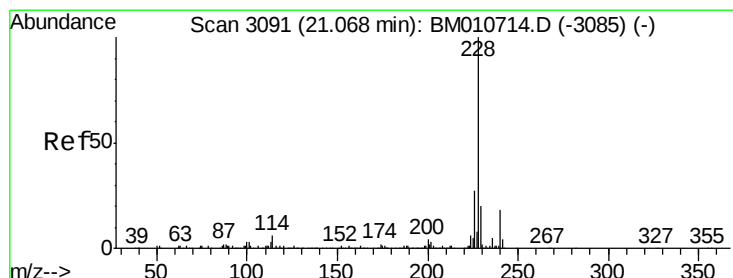
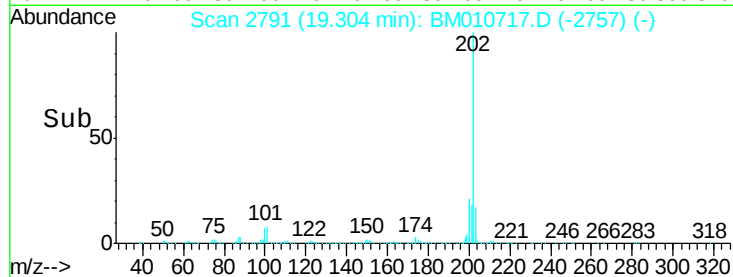
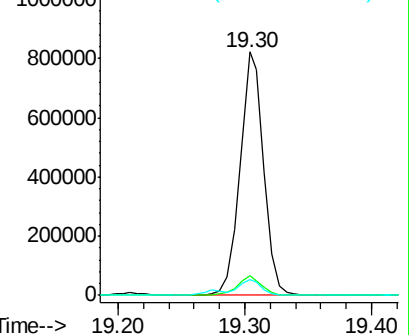
100 6.6 4.9 7.3



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: 8.25 ng/ul

RT: 21.10 min Scan# 3097

Delta R.T. 0.04 min

Lab File: BM010717.D

Acq: 24 Jun 2017 07:26

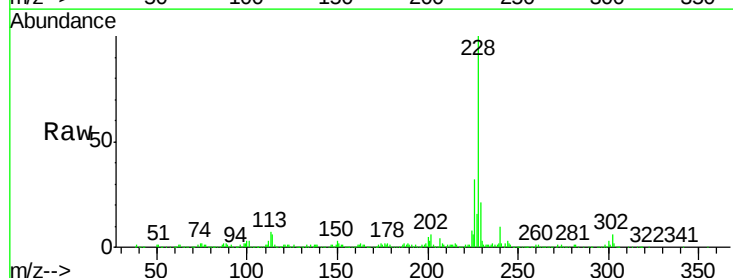
Tgt Ion:228 Resp: 359095

Ion Ratio Lower Upper

228 100

229 21.0 15.4 23.0

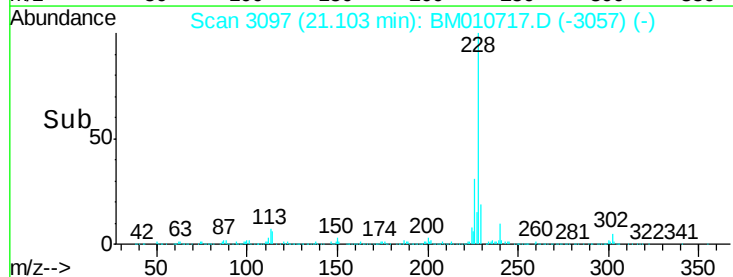
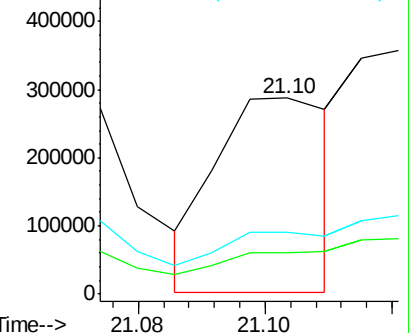
226 31.6 21.4 32.0

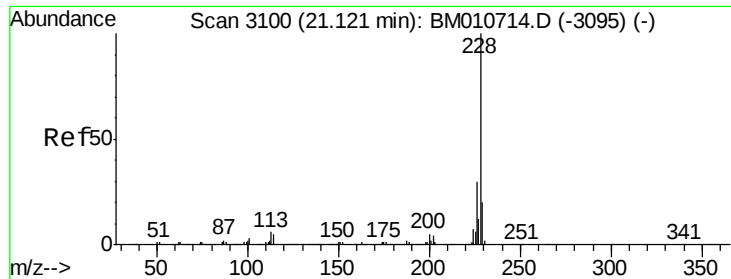


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 9.30 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BM010717.D

Acq: 24 Jun 2017 07:26

Instrument :

BNA_M

ClientSampleId :

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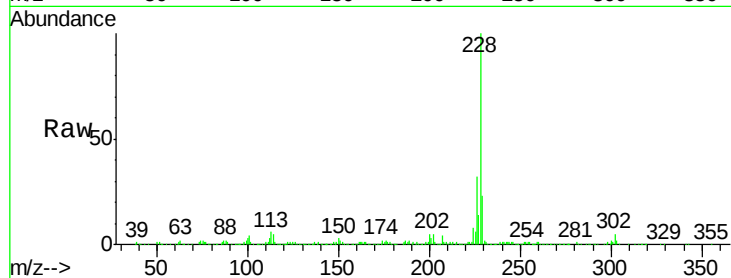
Tgt Ion:228 Resp: 360858

Ion Ratio Lower Upper

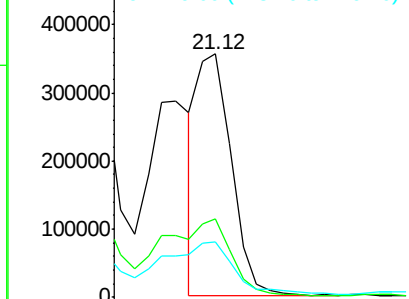
228 100

226 32.3 23.4 35.2

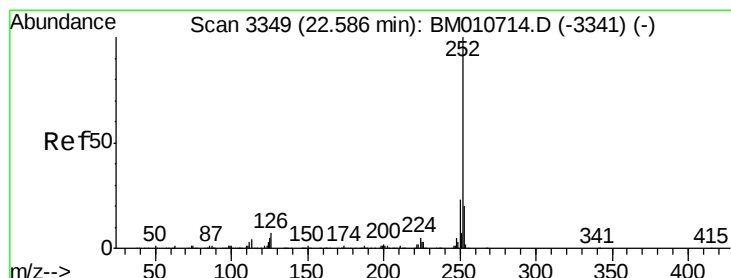
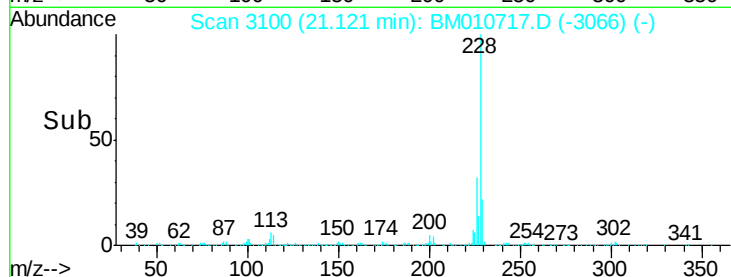
229 22.8 15.5 23.3



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



Time-->



#85

Benzo(b)fluoranthene

Concen: 46.24 ng/ul

RT: 22.60 min Scan# 3351

Delta R.T. 0.01 min

Lab File: BM010717.D

Acq: 24 Jun 2017 07:26

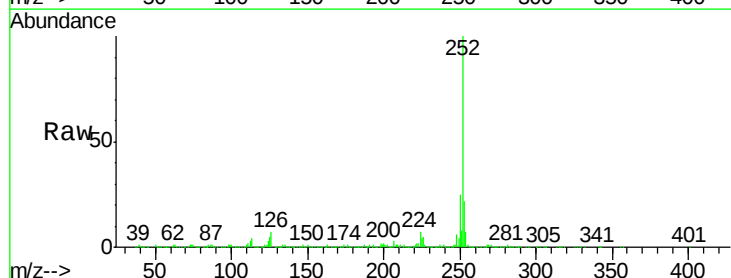
Tgt Ion:252 Resp: 1636698

Ion Ratio Lower Upper

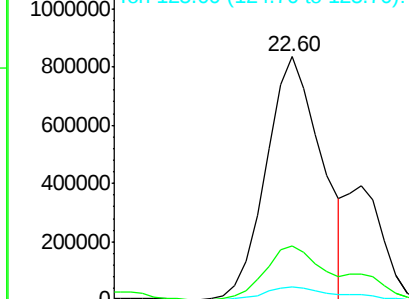
252 100

253 22.1 17.9 26.9

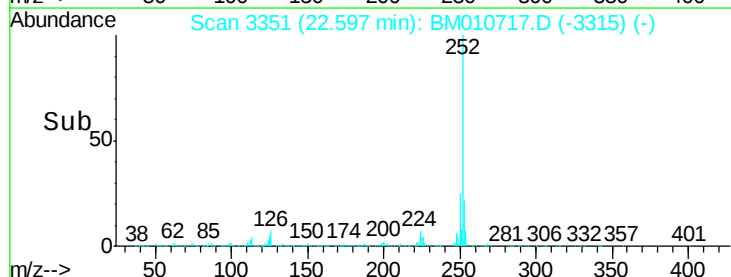
125 5.3 3.6 5.4

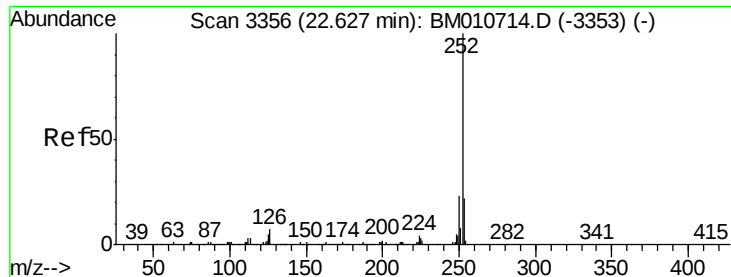


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#86

Benzo(k)fluoranthene

Concen: 14.82 ng/ul

RT: 22.63 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM010717.D

Acq: 24 Jun 2017 07:26

Instrument :

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ClientSampled :

F5B42

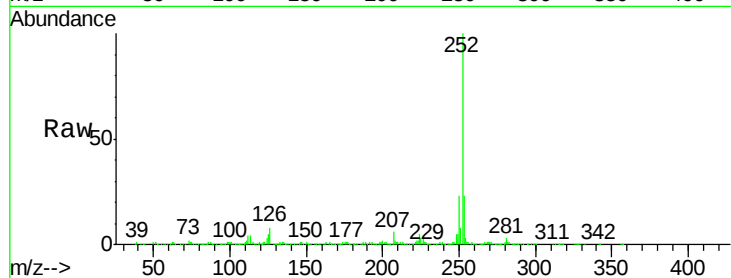
Tgt Ion:252 Resp: 497387

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

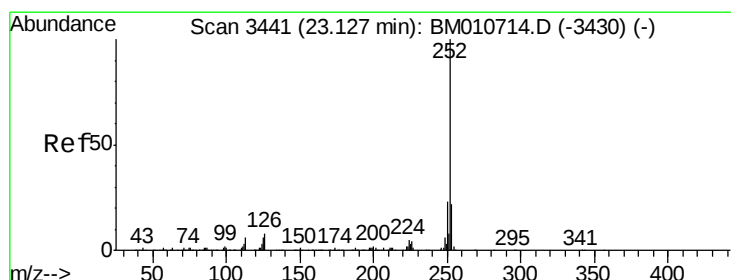
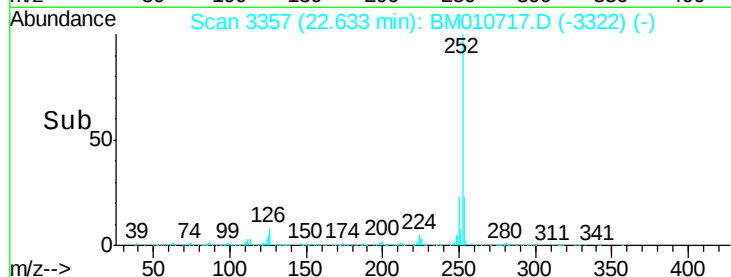
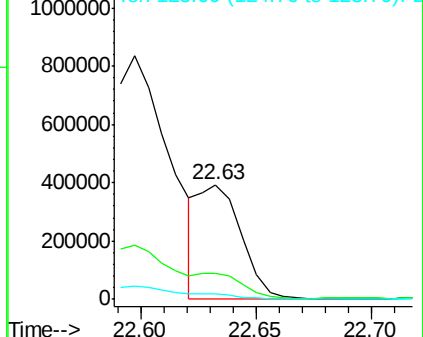
125 5.1 3.4 5.2



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: 26.87 ng/ul

RT: 23.14 min Scan# 3443

Delta R.T. 0.01 min

Lab File: BM010717.D

Acq: 24 Jun 2017 07:26

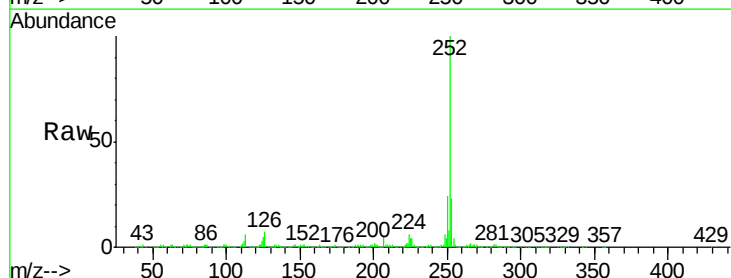
Tgt Ion:252 Resp: 875527

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

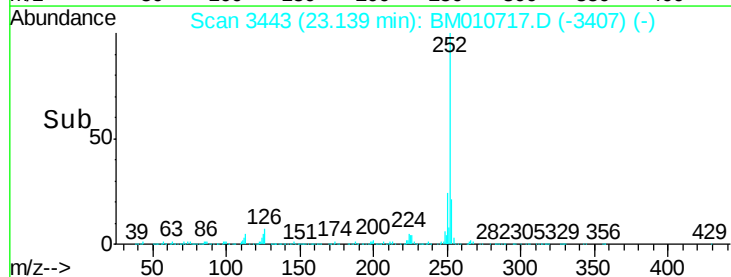
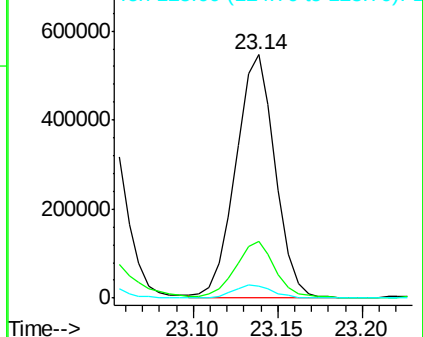
125 5.1 4.0 6.0

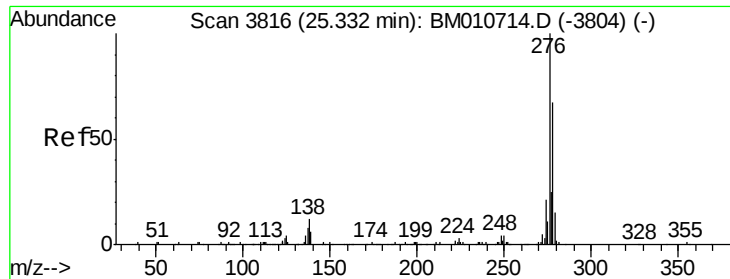


Abundance Ion 252.00 (251.70 to 252.70): E

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: 15.61 ng/ul

RT: 25.34 min Scan# 3818

Delta R.T. 0.01 min

Lab File: BM010717.D

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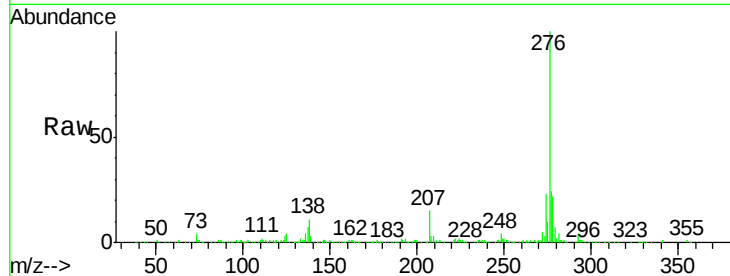
Tgt Ion:276 Resp: 527641

Ion Ratio Lower Upper

276 100

138 10.8 9.3 13.9

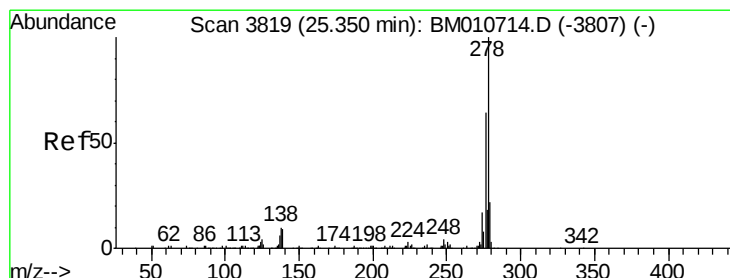
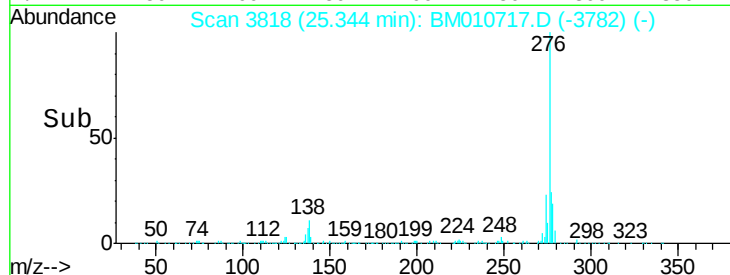
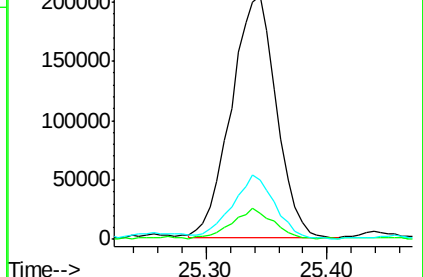
277 24.4 19.9 29.9



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: 5.03 ng/ul

RT: 25.34 min Scan# 3817

Delta R.T. -0.01 min

Lab File: BM010717.D

Acq: 24 Jun 2017 07:26

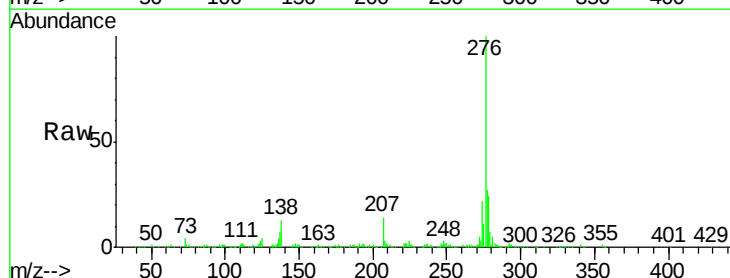
Tgt Ion:278 Resp: 141791

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

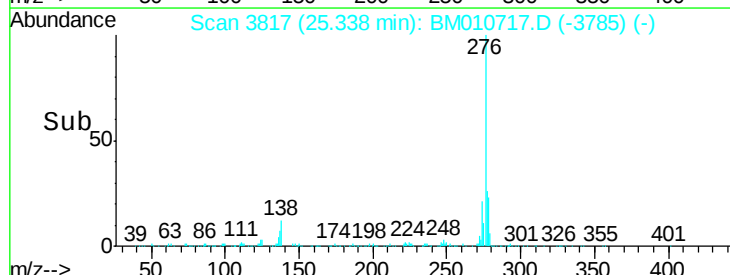
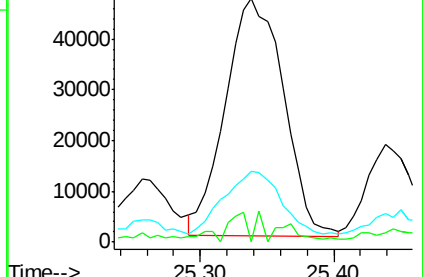
279 28.9 18.6 27.8#

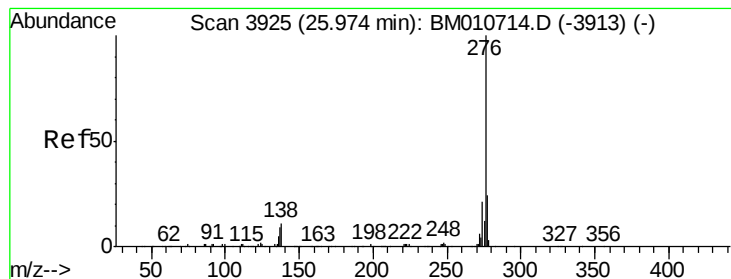


Abundance Ion 278.00 (277.70 to 278.70): E

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: 14.42 ng/ul

RT: 25.99 min Scan# 3927

Delta R.T. 0.01 min

Lab File: BM010717.D

Acq: 24 Jun 2017 07:26

Instrument :

BNA_M

ClientSampleId :

F5B42

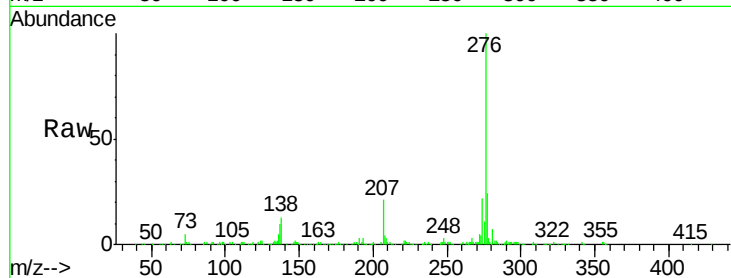
Tgt Ion:276 Resp: 387900

Ion Ratio Lower Upper

276 100

138 12.6 8.5 12.7

277 24.1 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

