

Data File : BM010670.D
Acq On : 22 Jun 2017 21:21
Operator : SJ/JU
Sample : I3558-13ME 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C86ME

Quant Time: Jun 23 05:08:31 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 23 05:06:10 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	64959	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	284799	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	201851	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	507923	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	593481	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	471060	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.08	96	346	0.31	ng/uL	0.00
5) Phenol-d5	6.65	99	13311	2.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	8052	2.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	11132	2.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	11694	2.28	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	5898	2.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	6516	2.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	13233	2.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	15871	3.06	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	53344	3.01	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	60037	2.91	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	5372	1.72	ng/ul	0.00
57) Fluorene-d10	15.12	176	48136	3.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	6344	2.03	ng/ul	0.00
70) Anthracene-d10	16.96	188	75974	3.10	ng/ul	0.00
76) Pyrene-d10	19.27	212	94024	3.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	68056	2.99	ng/ul	0.00

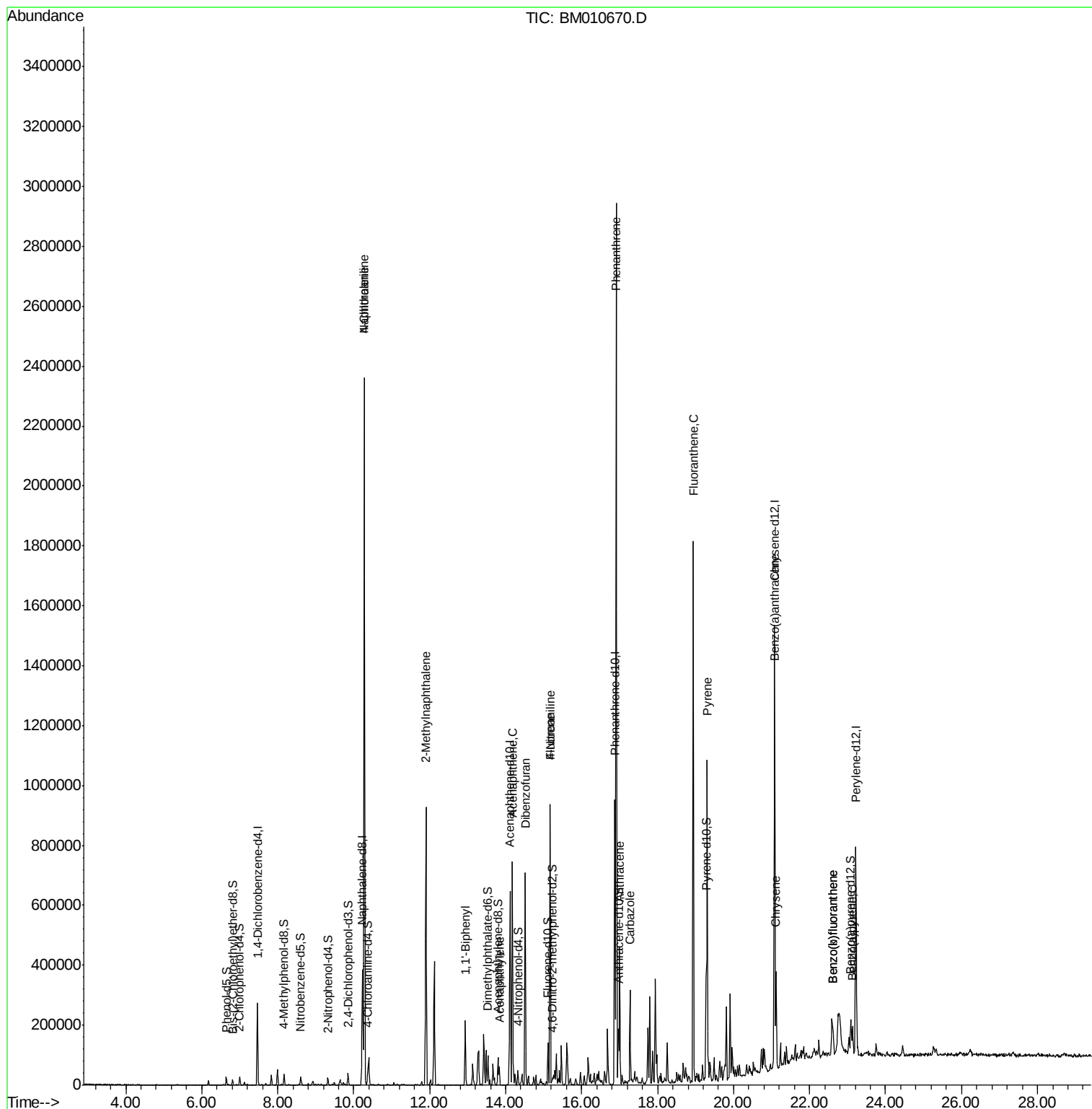
Target Compounds				Qvalue		
28) Naphthalene	10.28	128	1719450	121.32	ng/ul	99
30) 4-Chloroaniline	10.28	127	229323	43.91	ng/ul#	15
34) 2-Methylnaphthalene	11.90	142	371914	32.64	ng/ul	94
40) 1,1'-Biphenyl	12.93	154	101611	6.44	ng/ul#	98
47) Acenaphthylene	13.83	152	20069	1.02	ng/ul#	90
49) Acenaphthene	14.17	153	283556	21.41	ng/ul	97
53) Dibenzofuran	14.52	168	369511	18.43	ng/ul	91
58) Fluorene	15.17	166	356473	21.23	ng/ul	96
60) 4-Nitroaniline	15.17	138	5734	1.60	ng/ul#	1
69) Phenanthrene	16.91	178	1598956	59.21	ng/ul	99
71) Anthracene	17.00	178	253179	9.10	ng/ul	97
72) Carbazole	17.27	167	165422	6.82	ng/ul	98
74) Fluoranthene	18.94	202	1013508	29.12	ng/ul#	97
77) Pyrene	19.30	202	671442	19.59	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	210713	6.10	ng/ul	98
82) Chrysene	21.12	228	169097	5.49	ng/ul	96
85) Benzo(b)fluoranthene	22.62	252	42241	1.38	ng/ul	96
86) Benzo(k)fluoranthene	22.62	252	42316	1.46	ng/ul	94
88) Benzo(a)pyrene	23.13	252	60457	2.15	ng/ul#	95

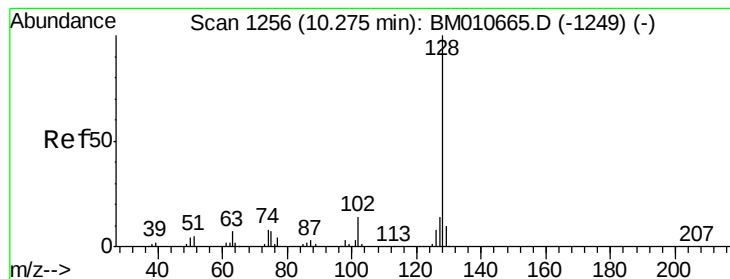
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 21 Sample Multiplier: 1

F5C86ME

Response via : Initial Calibration





#28

Naphthalene

Concen: 121.32 ng/ul

RT: 10.28 min Scan# 1257

Delta R.T. 0.01 min

Lab File: BM010670.D

Acq: 22 Jun 2017 21:21

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ClientSampleId :

F5C86ME

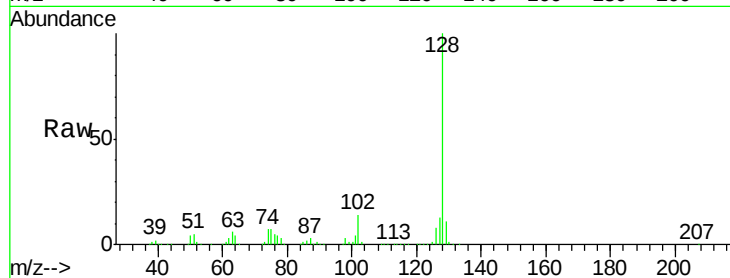
Tgt Ion:128 Resp: 1719450

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

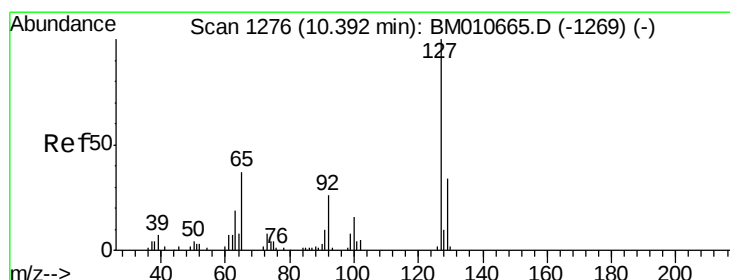
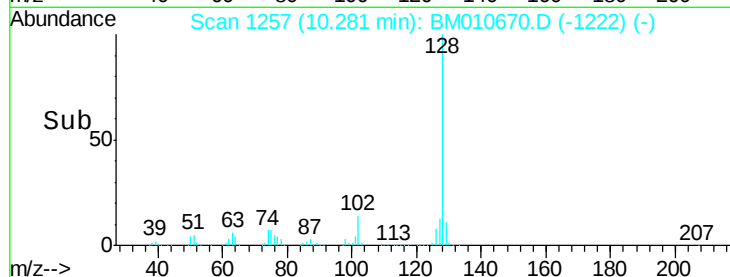
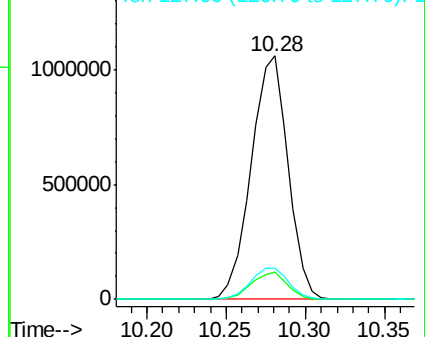
127 13.0 10.6 16.0



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: 43.91 ng/ul

RT: 10.28 min Scan# 1257

Delta R.T. -0.11 min

Lab File: BM010670.D

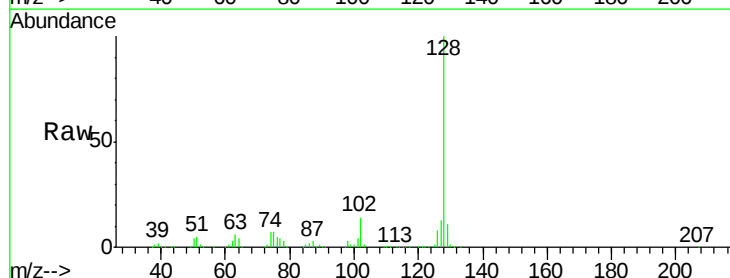
Acq: 22 Jun 2017 21:21

Tgt Ion:127 Resp: 229323

Ion Ratio Lower Upper

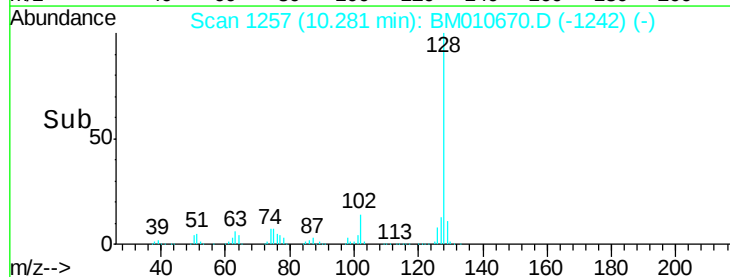
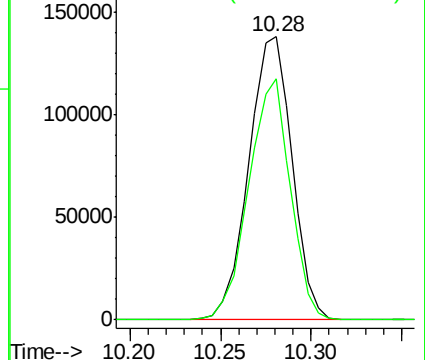
127 100

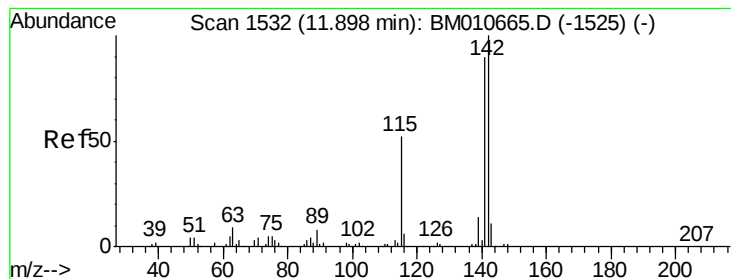
129 85.4 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 32.64 ng/ul

RT: 11.90 min Scan# 1532

Delta R.T. 0.00 min

Lab File: BM010670.D

Acq: 22 Jun 2017 21:21

Instrument :

BNA_M

ClientSampled :

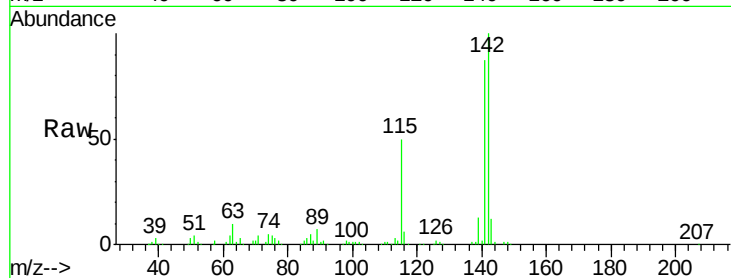
F5C86ME

Tgt Ion:142 Resp: 371914

Ion Ratio Lower Upper

142 100

141 86.8 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

250000

200000

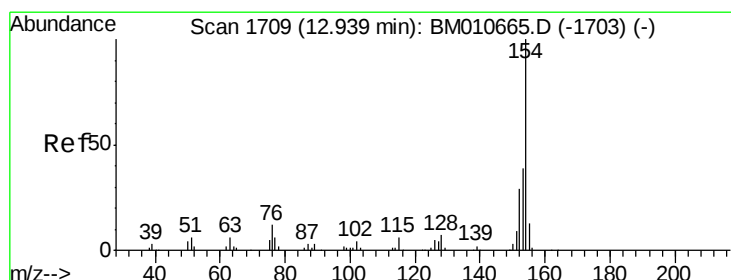
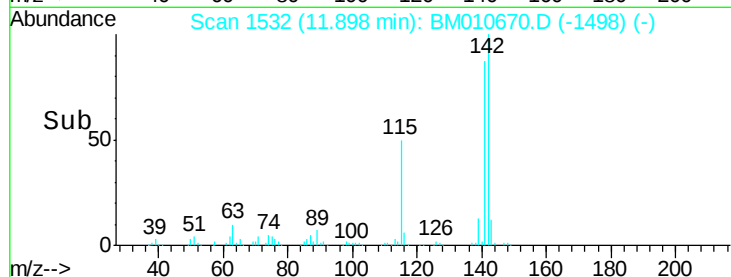
150000

100000

50000

0

Time--> 11.85 11.90 11.95



#40

1,1'-Biphenyl

Concen: 6.44 ng/ul

RT: 12.93 min Scan# 1708

Delta R.T. -0.01 min

Lab File: BM010670.D

Acq: 22 Jun 2017 21:21

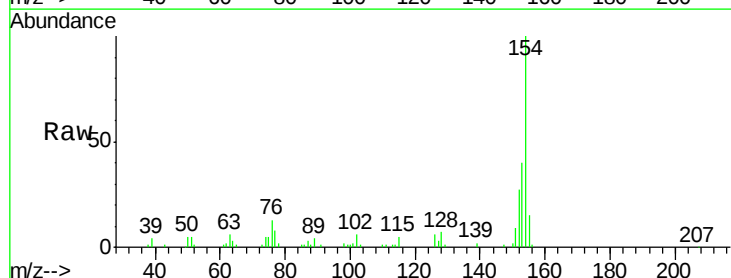
Tgt Ion:154 Resp: 101611

Ion Ratio Lower Upper

154 100

153 40.0 32.6 48.8

76 13.4 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

80000

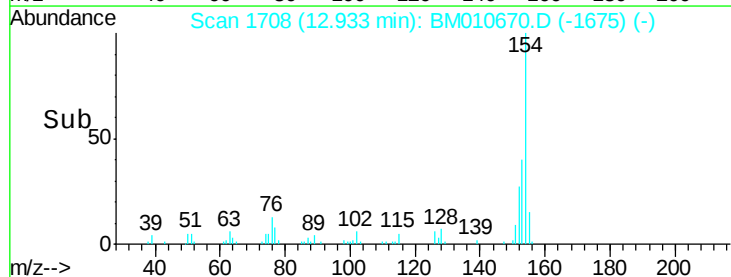
60000

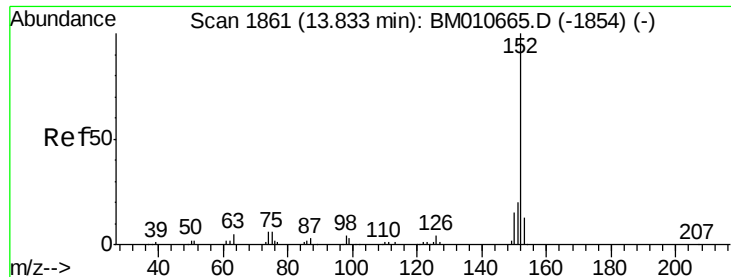
40000

20000

0

Time--> 12.90 12.95





#47

Acenaphthylene

Concen: 1.02 ng/ul

RT: 13.83 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BM010670.D

Acq: 22 Jun 2017 21:21

Instrument :

BNA_M

ClientSampleId :

F5C86ME

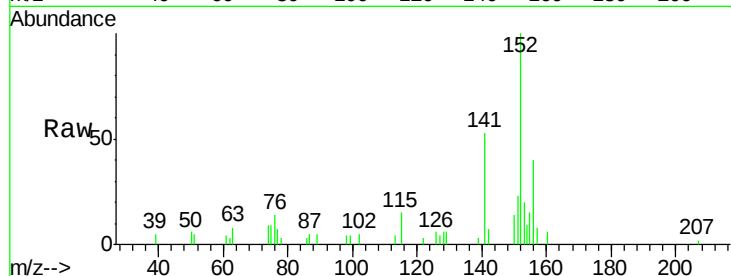
Tgt Ion:152 Resp: 20069

Ion Ratio Lower Upper

152 100

151 22.7 16.3 24.5

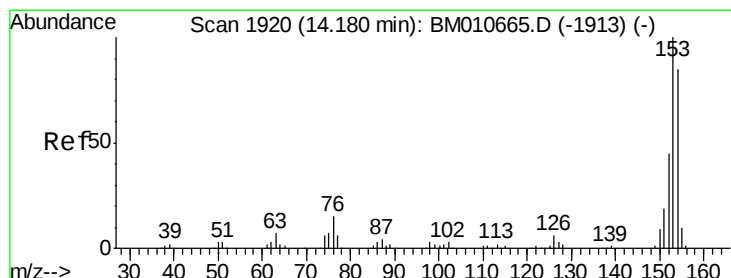
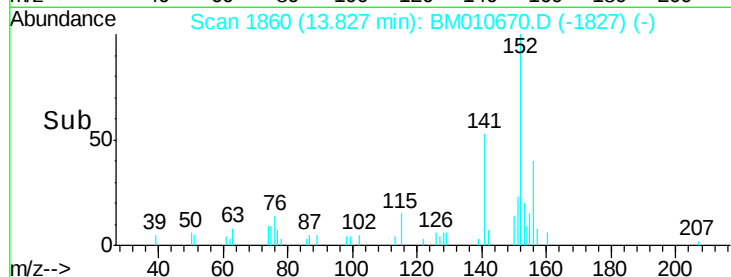
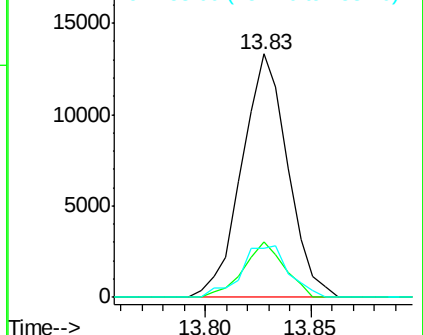
153 20.2 10.2 15.4#



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



#49

Acenaphthene

Concen: 21.41 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BM010670.D

Acq: 22 Jun 2017 21:21

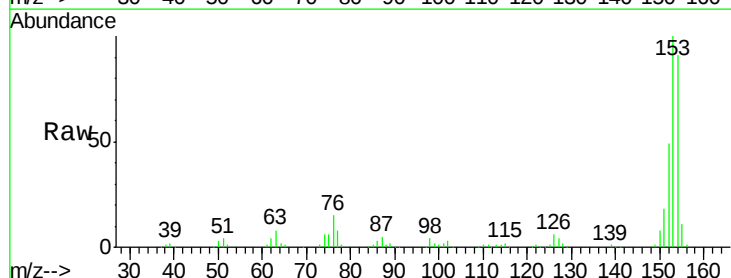
Tgt Ion:153 Resp: 283556

Ion Ratio Lower Upper

153 100

152 49.0 37.6 56.4

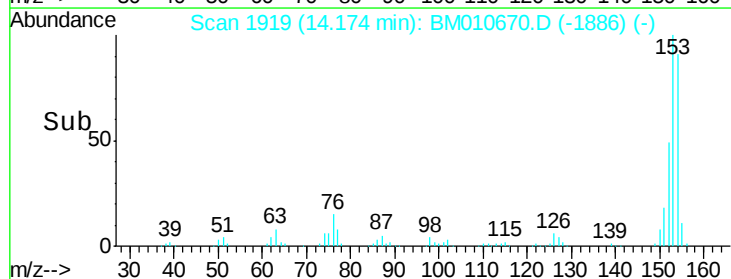
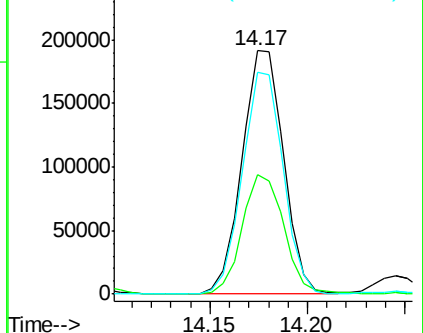
154 91.1 70.4 105.6

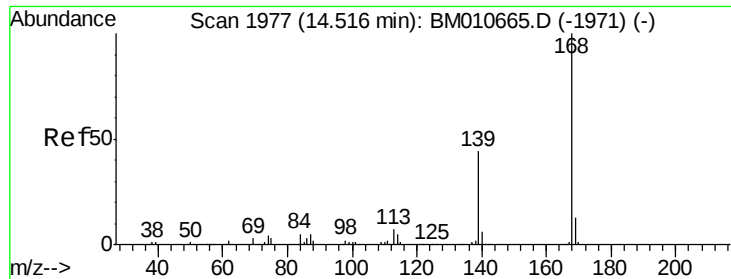


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Diben-zofuran

Concen: 18.43 ng/ul

RT: 14.52 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM010670.D

Acq: 22 Jun 2017 21:21

Instrument :

BNA_M

ClientSampleId :

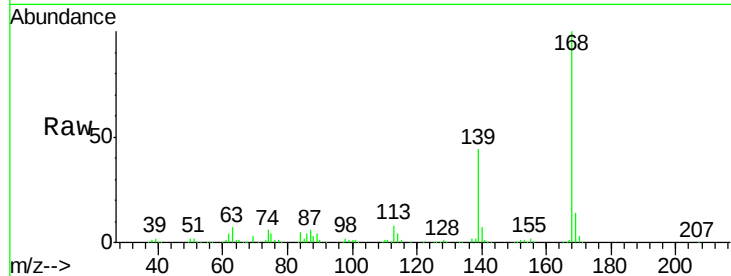
F5C86ME

Tgt Ion:168 Resp: 369511

Ion Ratio Lower Upper

168 100

139 44.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.52

250000

200000

150000

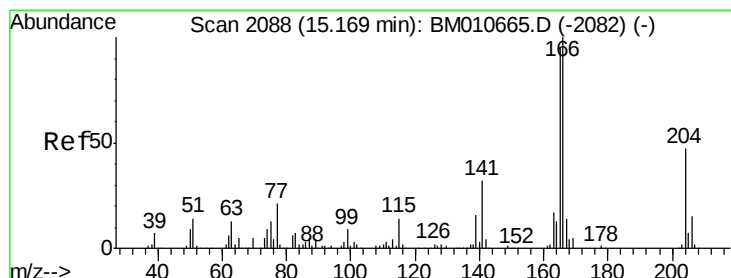
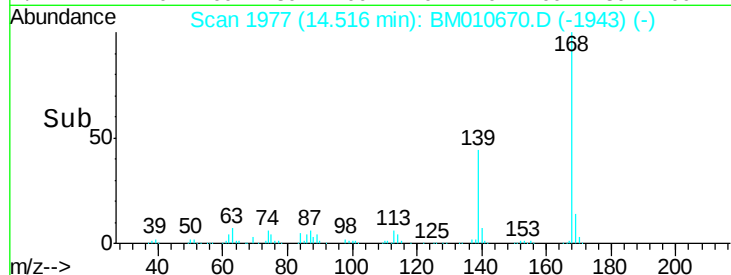
100000

50000

0

14.45 14.50 14.55

Time-->



#58

Fluorene

Concen: 21.23 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM010670.D

Acq: 22 Jun 2017 21:21

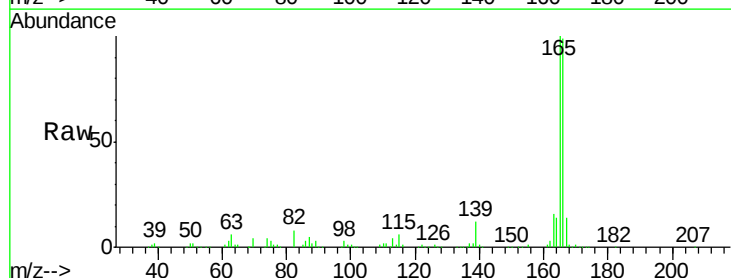
Tgt Ion:166 Resp: 356473

Ion Ratio Lower Upper

166 100

165 101.2 77.9 116.9

167 13.8 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

15.17

300000

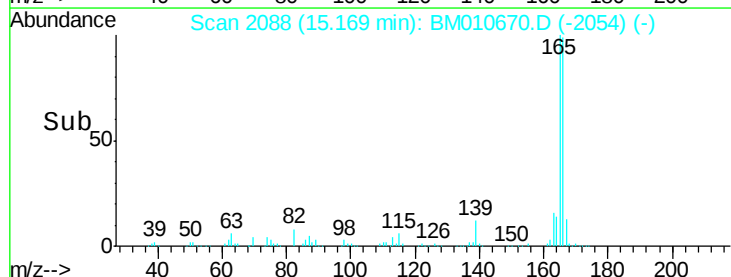
200000

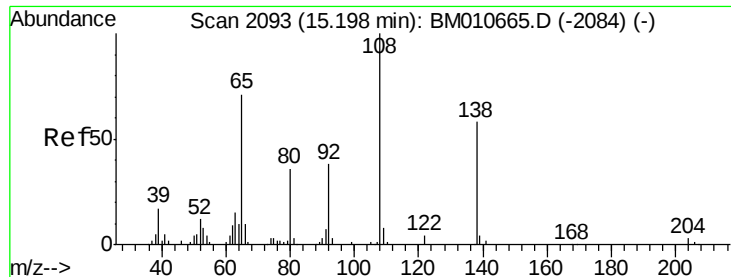
100000

0

15.10 15.15 15.20

Time-->

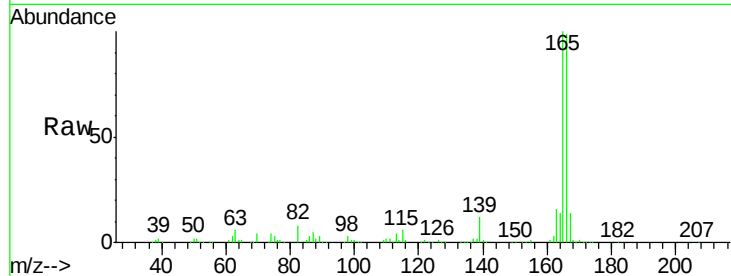




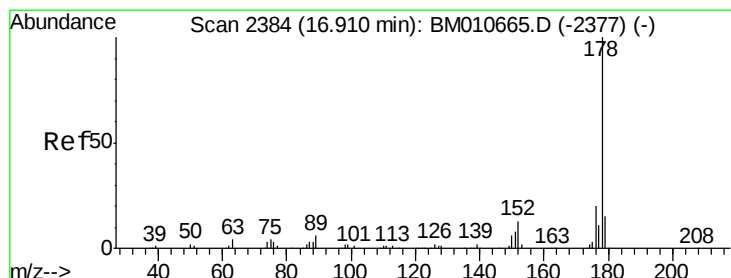
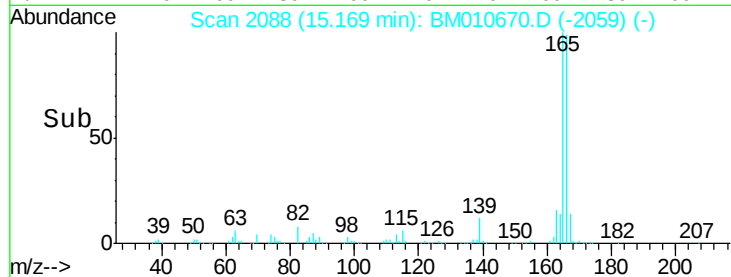
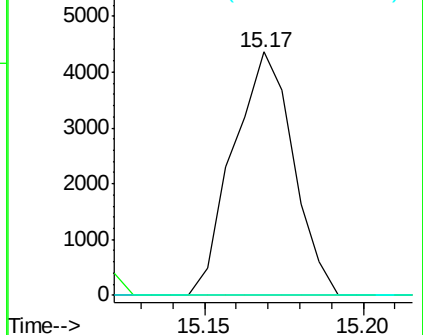
#60
4-Nitroaniline
Concen: 1.60 ng/ul
RT: 15.17 min Scan# 2088
Delta R.T. -0.03 min
Lab File: BM010670.D
Acq: 22 Jun 2017 21:21

Instrument :
BNA_M
ClientSampleId :
F5C86ME

Tgt Ion:138 Resp: 5734
Ion Ratio Lower Upper
138 100
92 0.0 52.7 79.1#
108 0.0 140.4 210.6#

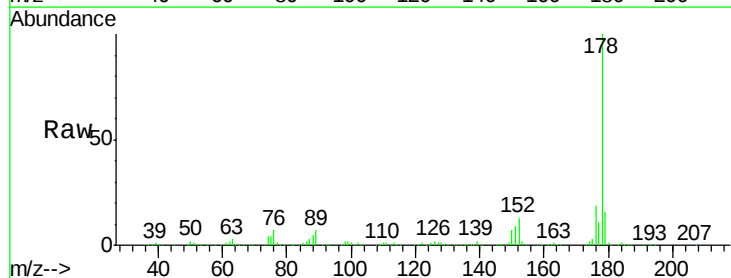


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM010670.D (-2059) (-)
Ion 108.00 (107.70 to 108.70): E

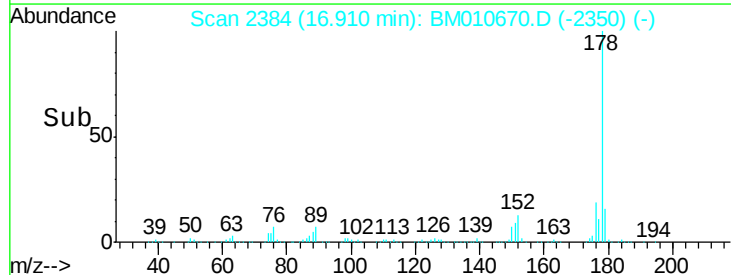
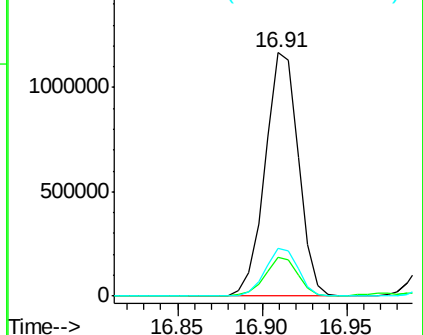


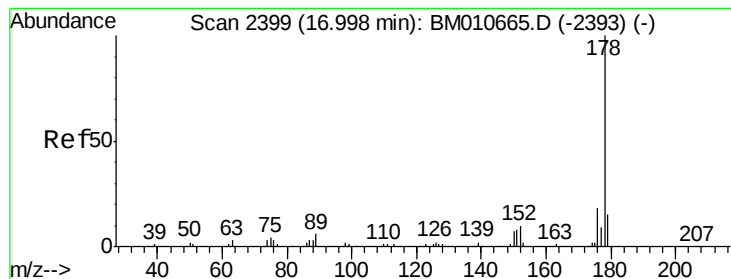
#69
Phenanthrene
Concen: 59.21 ng/ul
RT: 16.91 min Scan# 2384
Delta R.T. 0.00 min
Lab File: BM010670.D
Acq: 22 Jun 2017 21:21

Tgt Ion:178 Resp: 1598956
Ion Ratio Lower Upper
178 100
179 16.0 12.6 19.0
176 19.5 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: 9.10 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM010670.D

Acq: 22 Jun 2017 21:21

Instrument :

BNA_M

ClientSampleId :

F5C86ME

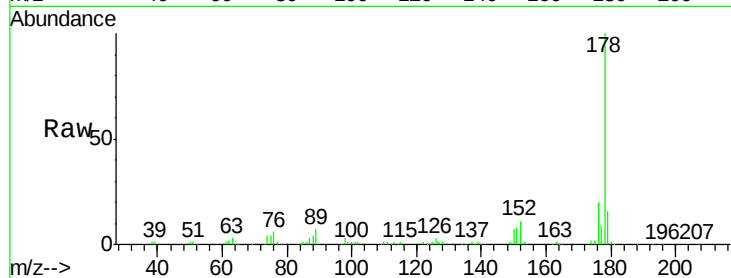
Tgt Ion:178 Resp: 253179

Ion Ratio Lower Upper

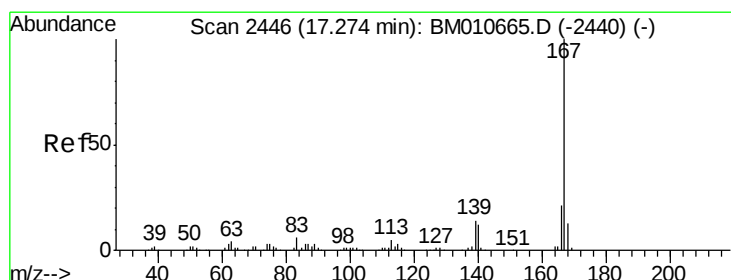
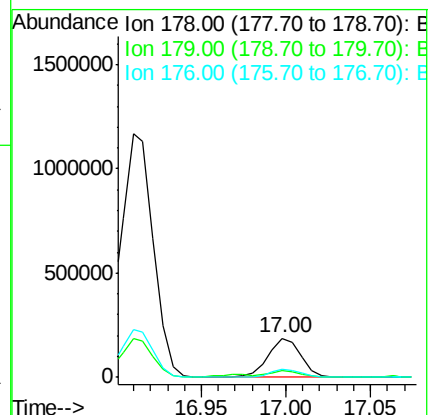
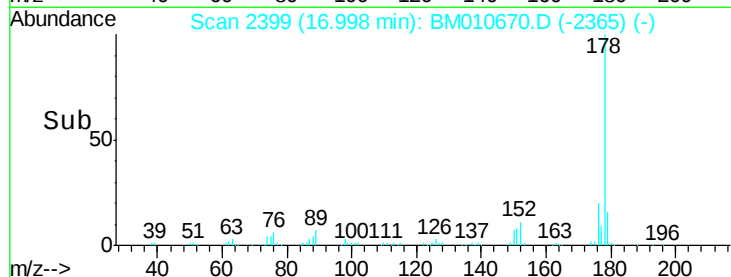
178 100

179 15.8 11.7 17.5

176 19.8 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: 6.82 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BM010670.D

Acq: 22 Jun 2017 21:21

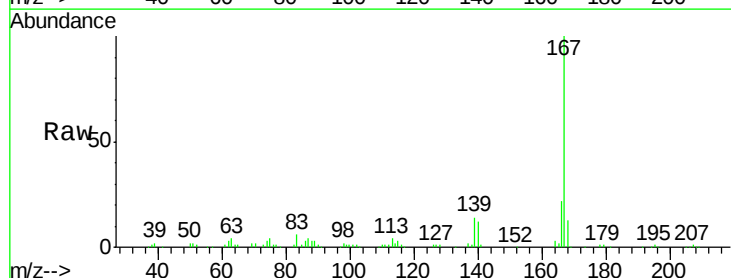
Tgt Ion:167 Resp: 165422

Ion Ratio Lower Upper

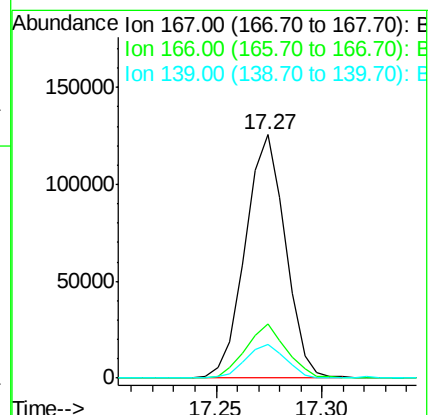
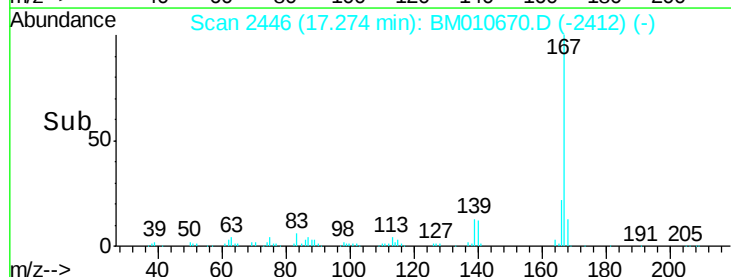
167 100

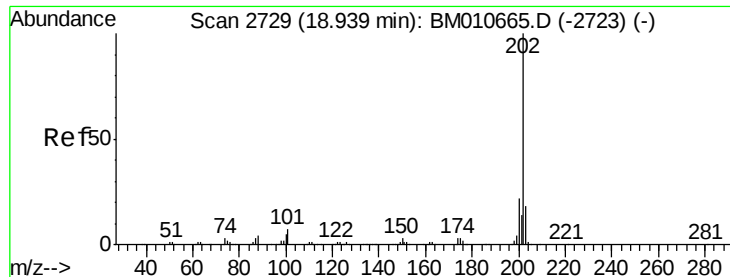
166 22.3 17.1 25.7

139 13.6 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: 29.12 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM010670.D

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Instrument :

BNA_M

ClientSampleId :

F5C86ME

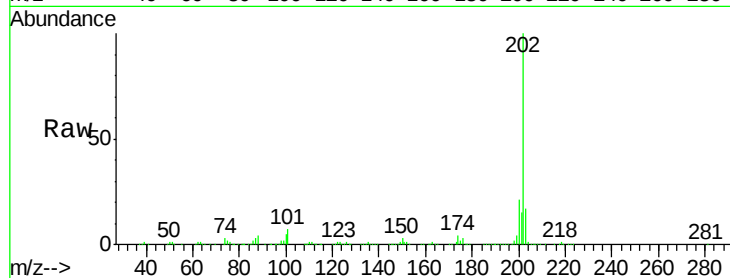
Tgt Ion:202 Resp: 1013508

Ion Ratio Lower Upper

202 100

101 7.1 4.6 7.0#

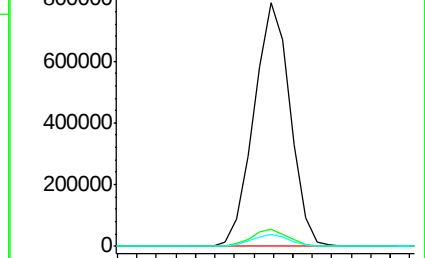
100 5.0 3.4 5.2



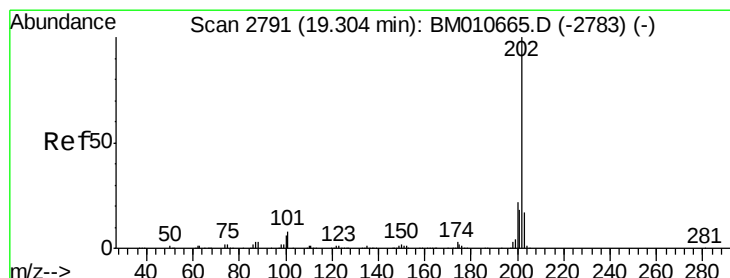
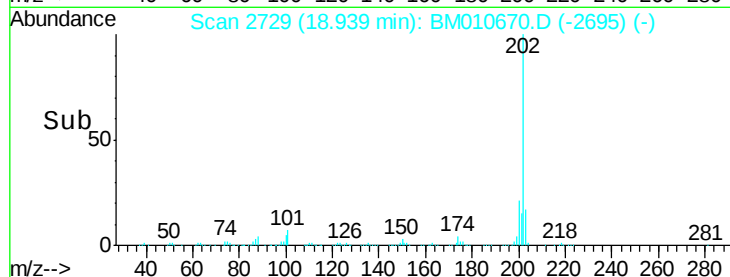
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#77

Pyrene

Concen: 19.59 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BM010670.D

Acq: 22 Jun 2017 21:21

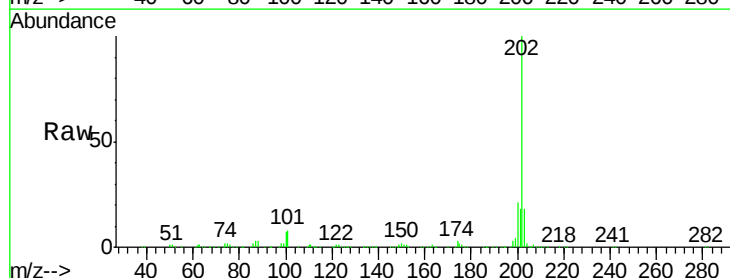
Tgt Ion:202 Resp: 671442

Ion Ratio Lower Upper

202 100

101 8.0 5.1 7.7#

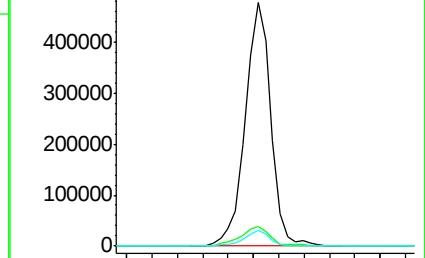
100 6.5 4.9 7.3



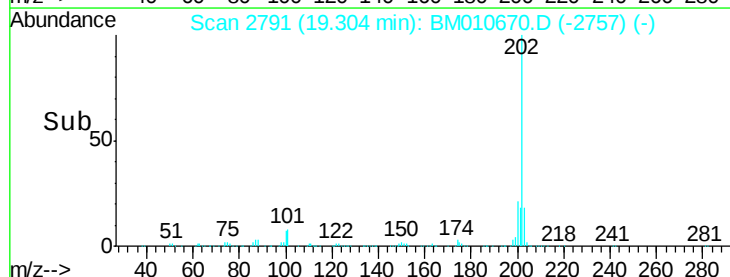
Abundance Ion 202.00 (201.70 to 202.70): E

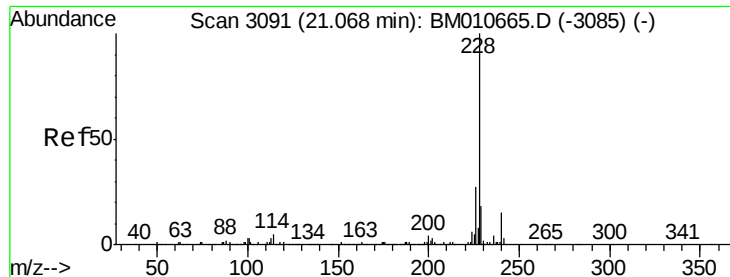
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->

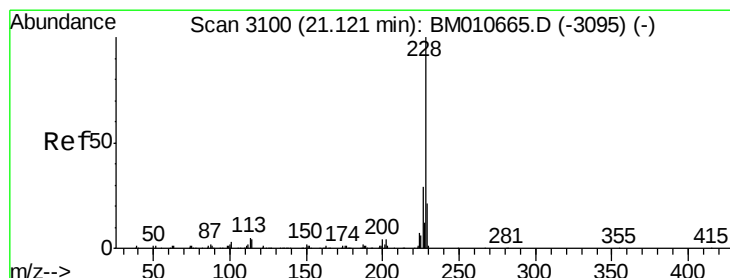
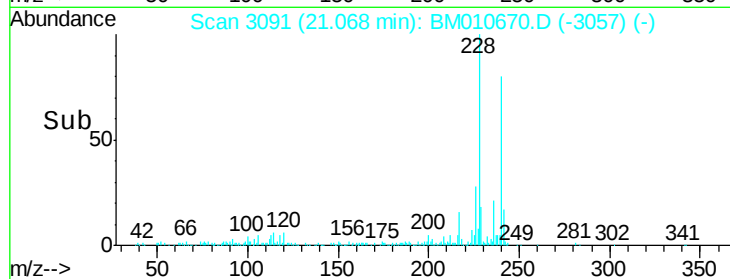
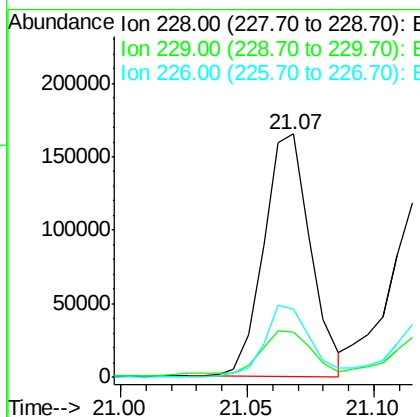
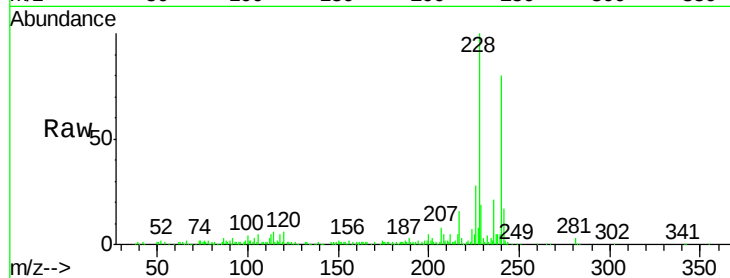




#80
Benzo(a)anthracene
Concen: 6.10 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. 0.00 min
Lab File: BM010670.D
Acq: 22 Jun 2017 21:21

Instrument :
BNA_M
ClientSampleId :
F5C86ME

Tgt Ion:228 Resp: 210713
Ion Ratio Lower Upper
228 100
229 18.5 15.4 23.0
226 27.9 21.4 32.0



#82
Chrysene
Concen: 5.49 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM010670.D
Acq: 22 Jun 2017 21:21

Tgt Ion:228 Resp: 169097
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 22.7 15.5 23.3

