

Data File : BM010694.D

Acq On : 23 Jun 2017 17:37

Operator : SJ/JU

Sample : I3599-11ME 10X

Misc :

ALS Vial : 12 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5B25MEDL

Quant Time: Jun 28 10:15:10 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 27 02:29:28 2017

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	67838	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	307877	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	216982	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	537340	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	594605	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	440999	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	6811	1.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	3723	1.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	4938	1.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	5853	1.09	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	2416	1.10	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	3195	1.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	5871	1.10	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	8046	1.43	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	24542	1.29	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	27904	1.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	2357	0.70	ng/ul	0.00
57) Fluorene-d10	15.11	176	22918	1.39	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	2350	0.71	ng/ul	0.00
70) Anthracene-d10	16.96	188	35640	1.37	ng/ul	0.00
76) Pyrene-d10	19.27	212	41132	1.49	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	27195	1.28	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.27	128	865191	56.47	ng/ul	99
34) 2-Methylnaphthalene	11.90	142	189014	15.35	ng/ul	92
40) 1,1'-Biphenyl	12.93	154	52061	3.07	ng/ul#	98
49) Acenaphthene	14.17	153	155637	10.93	ng/ul	98
53) Dibenzofuran	14.52	168	192016	8.91	ng/ul	92
58) Fluorene	15.17	166	193303	10.71	ng/ul	100
69) Phenanthrene	16.91	178	877158	30.71	ng/ul	99
71) Anthracene	17.00	178	129078	4.39	ng/ul	96
72) Carbazole	17.27	167	60457	2.35	ng/ul	96
74) Fluoranthene	18.94	202	552020	14.99	ng/ul	99
77) Pyrene	19.30	202	363696	10.59	ng/ul	98
80) Benzo(a)anthracene	21.06	228	111407	3.22	ng/ul	100
82) Chrysene	21.12	228	82725	2.68	ng/ul	99
85) Benzo(b)fluoranthene	22.59	252	53900	1.88	ng/ul#	97
88) Benzo(a)pyrene	23.12	252	28350	1.08	ng/ul#	95

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

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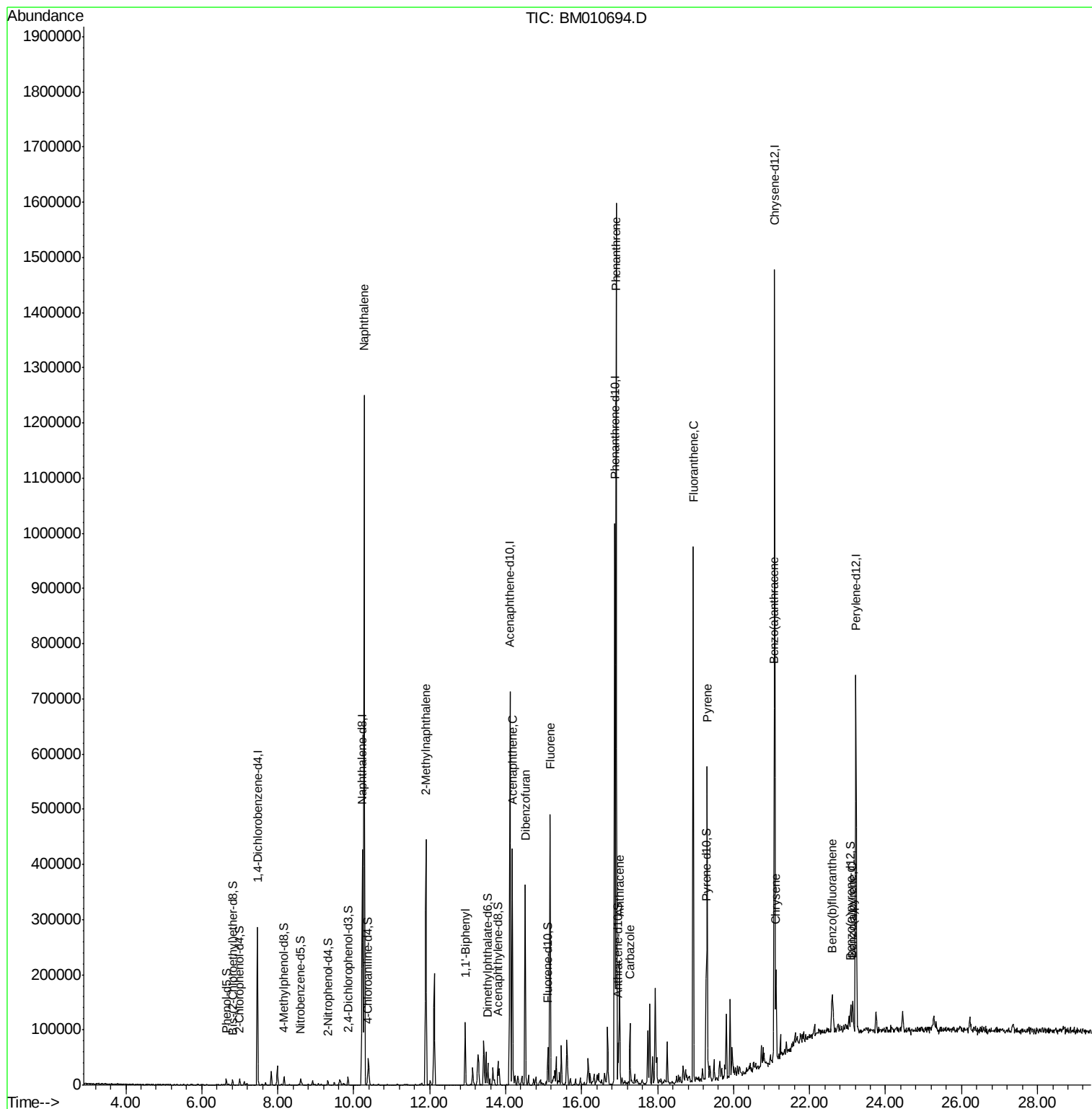
Quant Time: Jun 28 10:15:10 2017

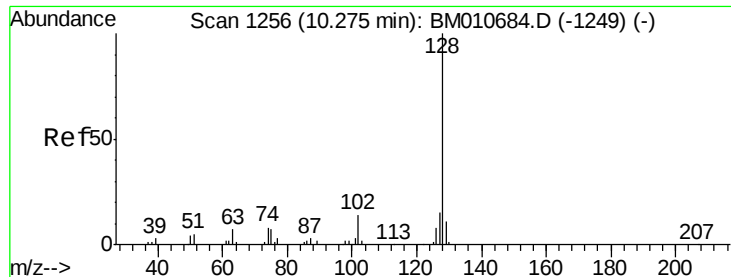
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 27 02:29:28 2017

Response via : Initial Calibration





#28

Naphthalene

Concen: 56.47 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. 0.01 min

Lab File: BM010694.D

Acq: 23 Jun 2017 17:37

Instrument :

BNA_M

ClientSampleId :

F5B25MEDL

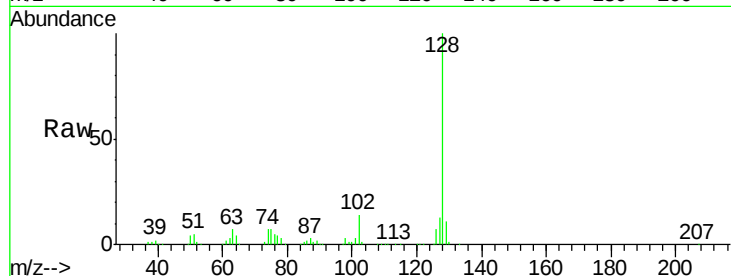
Tgt Ion:128 Resp: 865191

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

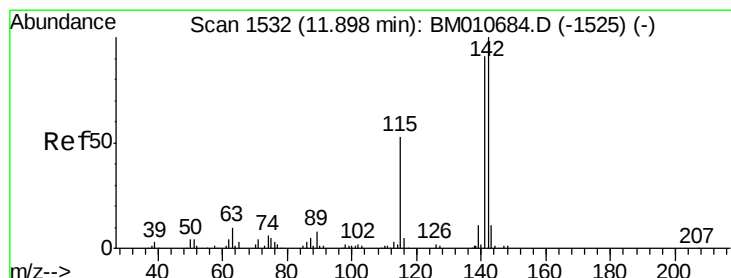
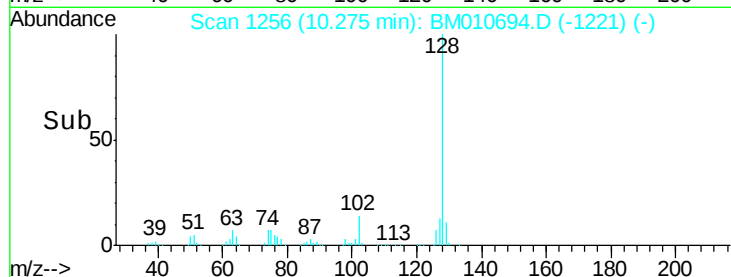
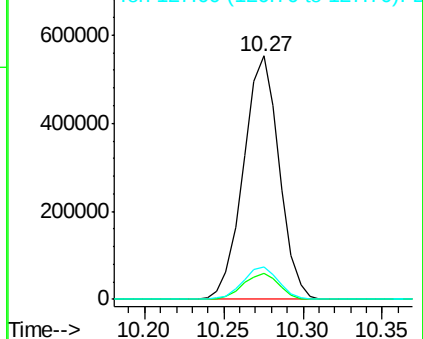
127 13.2 10.6 16.0



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



#34

2-Methylnaphthalene

Concen: 15.35 ng/ul

RT: 11.90 min Scan# 1532

Delta R.T. 0.01 min

Lab File: BM010694.D

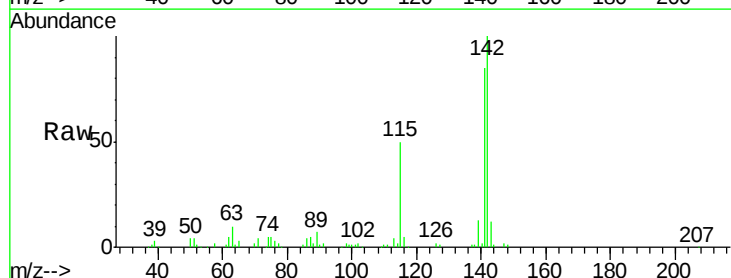
Acq: 23 Jun 2017 17:37

Tgt Ion:142 Resp: 189014

Ion Ratio Lower Upper

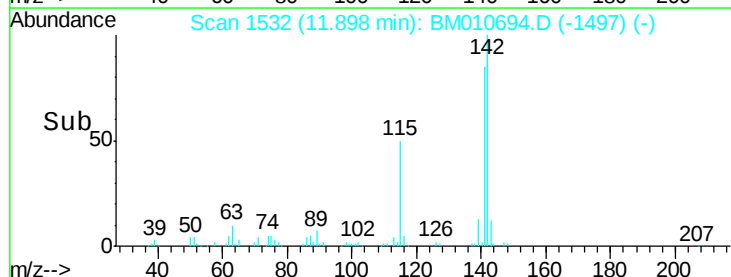
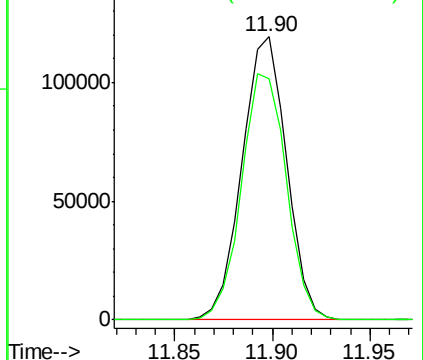
142 100

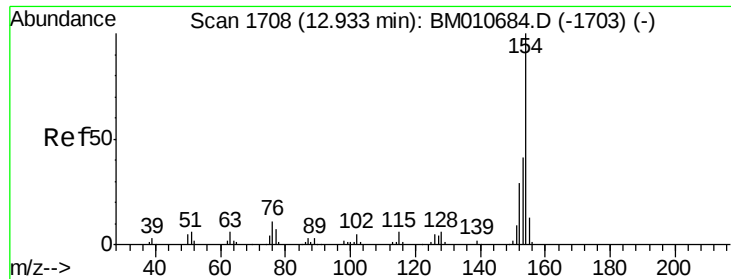
141 85.1 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 3.07 ng/ul

RT: 12.93 min Scan# 1708

Delta R.T. 0.00 min

Lab File: BM010694.D

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Instrument :

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F5B25MEDL

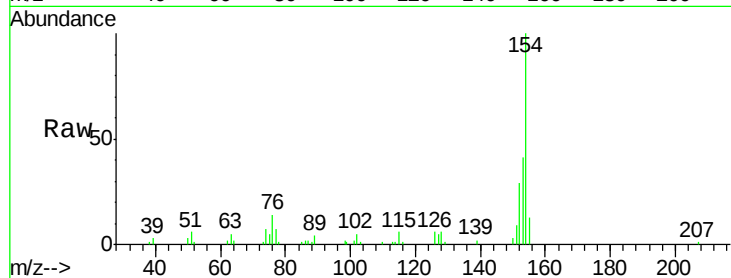
Tgt Ion:154 Resp: 52061

Ion Ratio Lower Upper

154 100

153 41.0 32.6 48.8

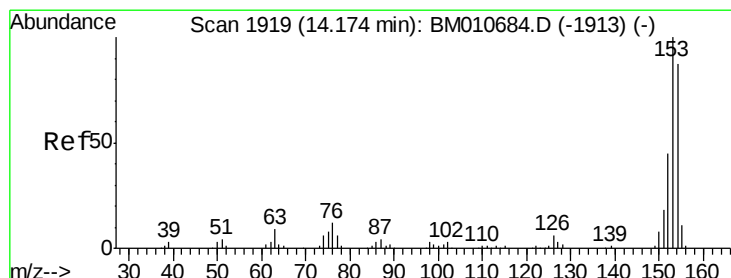
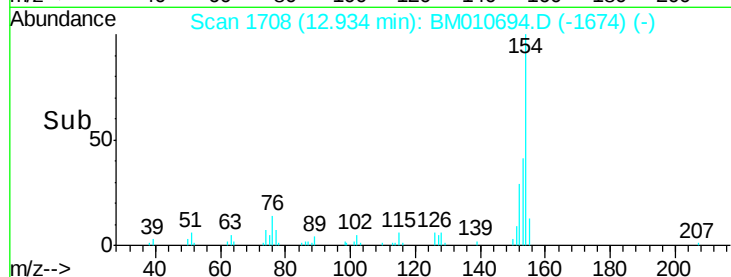
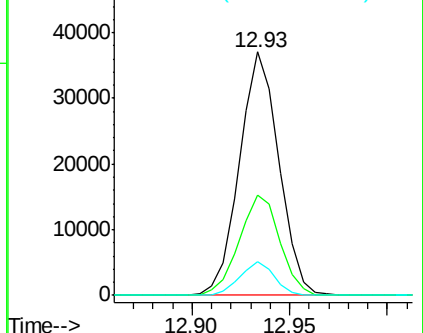
76 13.9 8.5 12.7#



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: 10.93 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BM010694.D

Acq: 23 Jun 2017 17:37

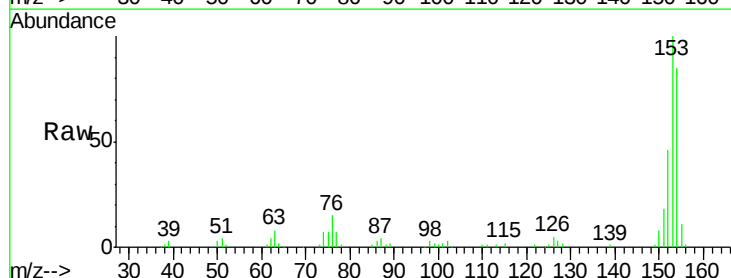
Tgt Ion:153 Resp: 155637

Ion Ratio Lower Upper

153 100

152 46.3 37.6 56.4

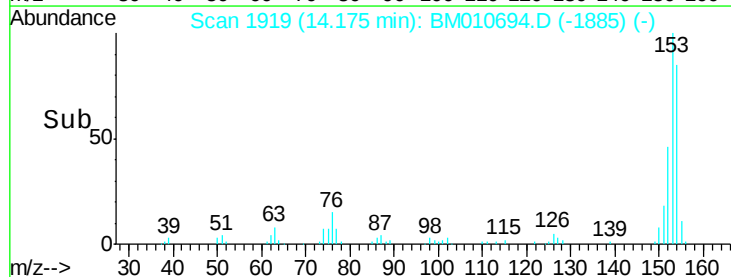
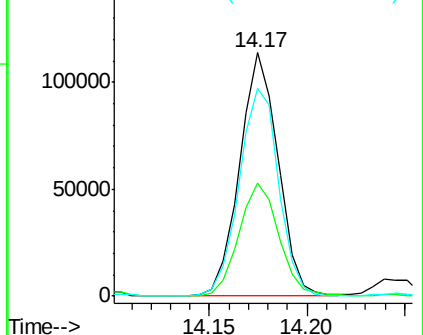
154 85.3 70.4 105.6

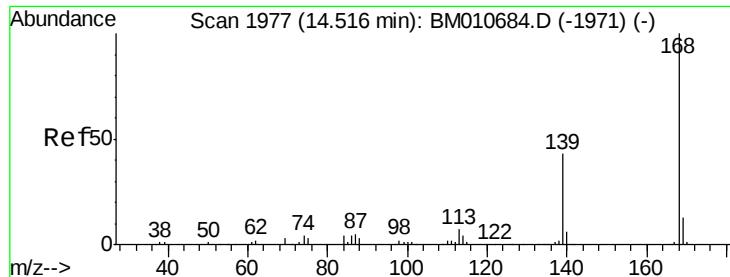


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

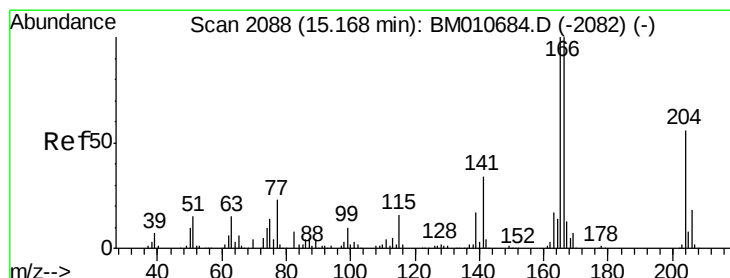
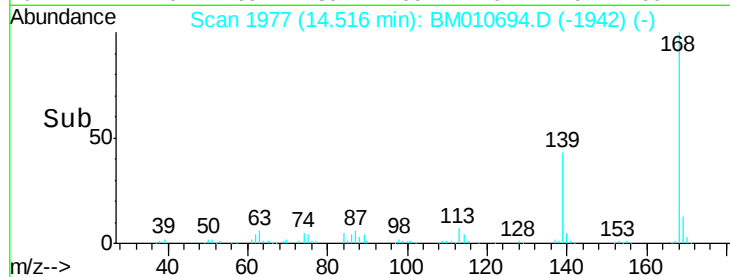
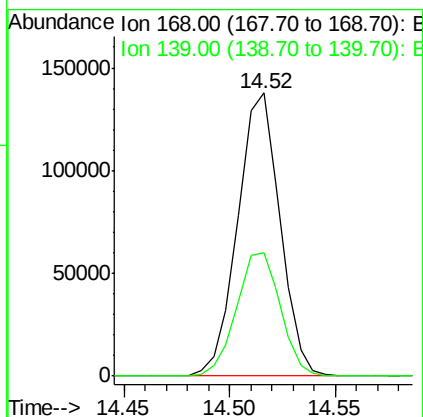
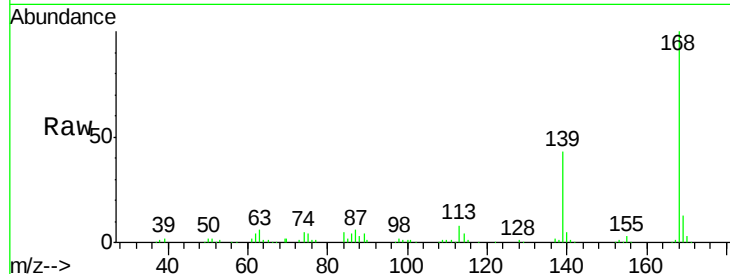




#53
Dibenzenofuran
Concen: 8.91 ng/ul
RT: 14.52 min Scan# 1977
Delta R.T. 0.01 min
Lab File: BM010694.D
Acq: 23 Jun 2017 17:37

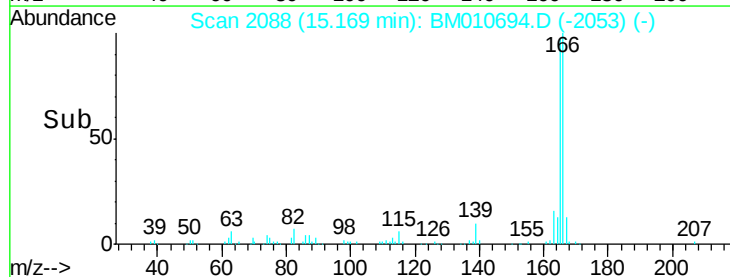
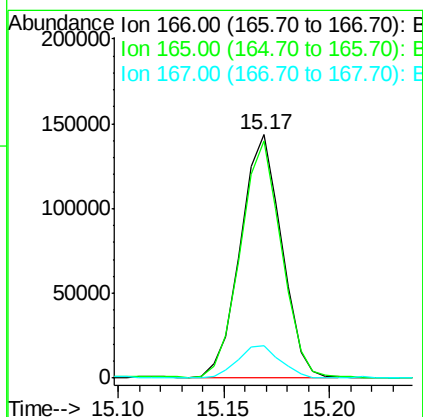
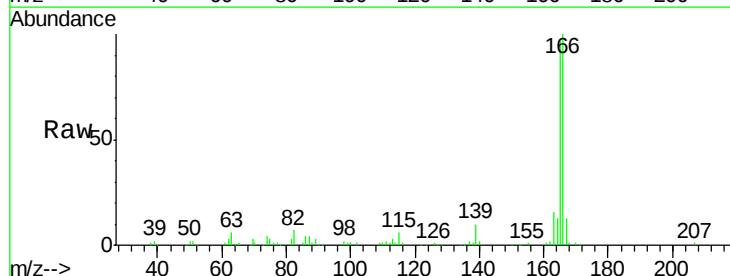
Instrument :
BNA_M
ClientSampleId :
F5B25MEDL

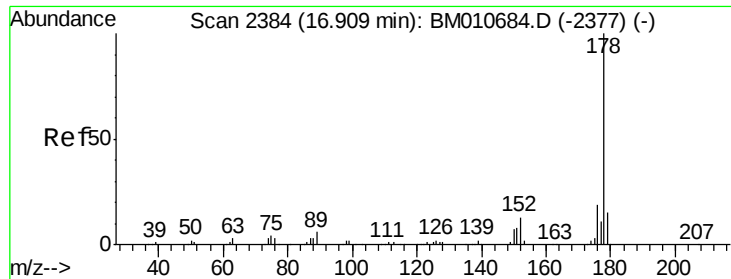
Tgt Ion:168 Resp: 192016
Ion Ratio Lower Upper
168 100
139 43.4 30.8 46.2



#58
Fluorene
Concen: 10.71 ng/ul
RT: 15.17 min Scan# 2088
Delta R.T. 0.01 min
Lab File: BM010694.D
Acq: 23 Jun 2017 17:37

Tgt Ion:166 Resp: 193303
Ion Ratio Lower Upper
166 100
165 97.4 77.9 116.9
167 13.3 10.6 16.0





#69

Phenanthrene

Concen: 30.71 ng/u1

RT: 16.91 min Scan# 2384

Delta R.T. 0.01 min

Lab File: BM010694.D

Acq: 23 Jun 2017 17:37

Instrument :

BNA_M

ClientSampleId :

F5B25MEDL

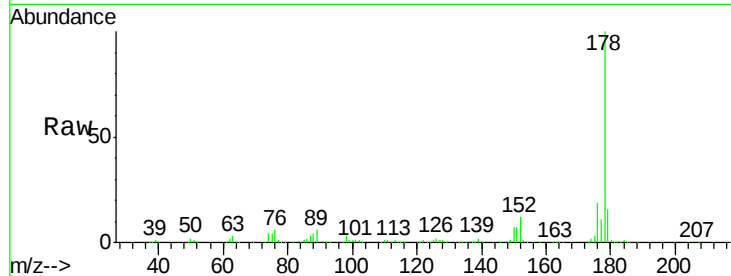
Tgt Ion:178 Resp: 877158

Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

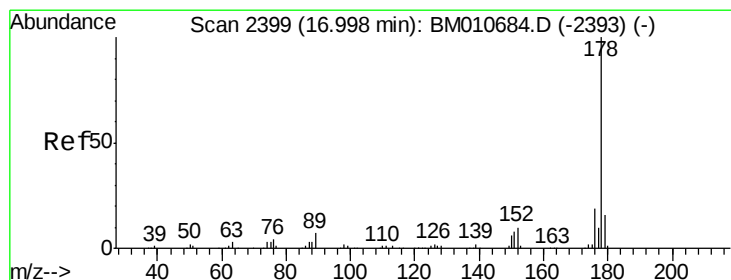
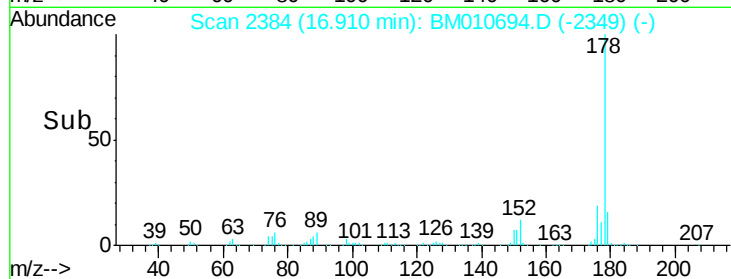
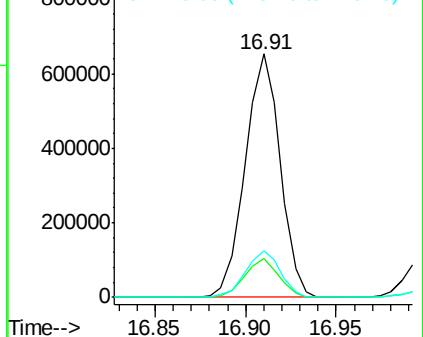
176 19.3 14.9 22.3



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: 4.39 ng/u1

RT: 17.00 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM010694.D

Acq: 23 Jun 2017 17:37

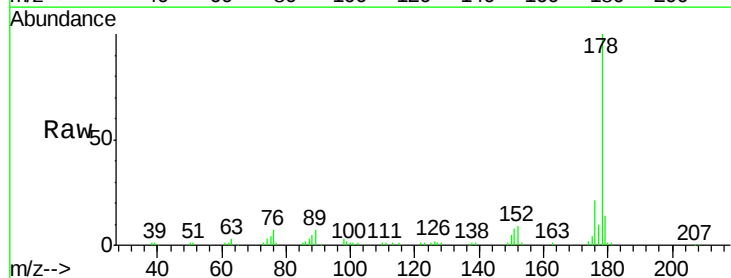
Tgt Ion:178 Resp: 129078

Ion Ratio Lower Upper

178 100

179 13.9 11.7 17.5

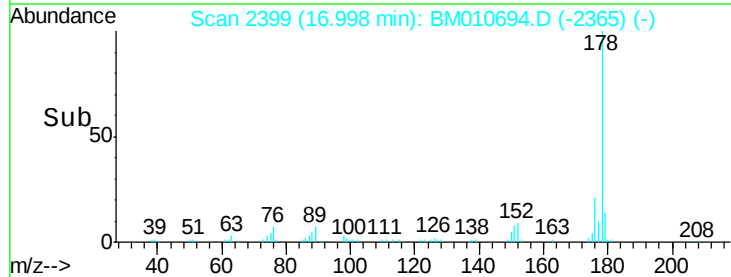
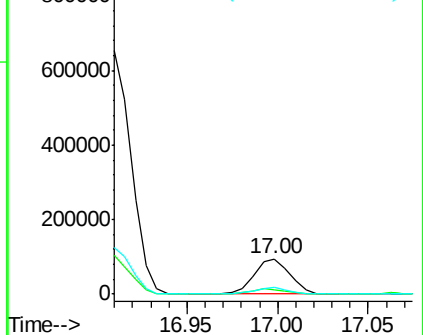
176 20.6 14.6 21.8

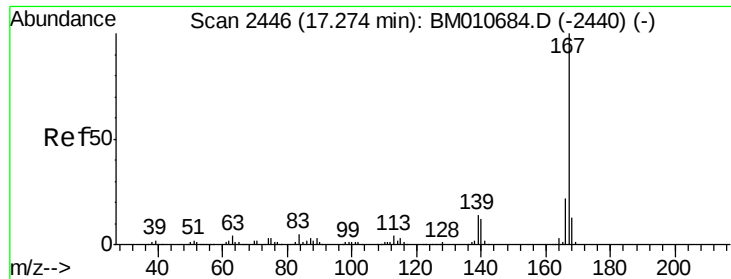


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.35 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. 0.01 min

Lab File: BM010694.D

Acq: 23 Jun 2017 17:37

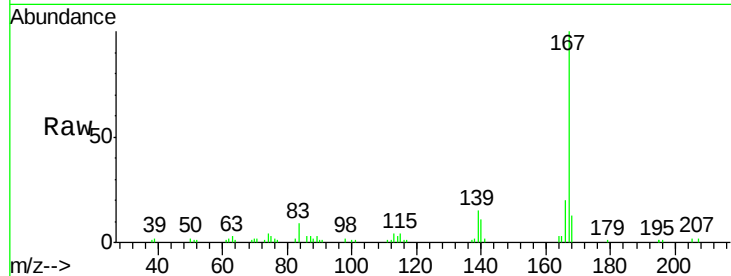
Instrument :

BNA_M

ClientSampleId :

F5B25MEDL

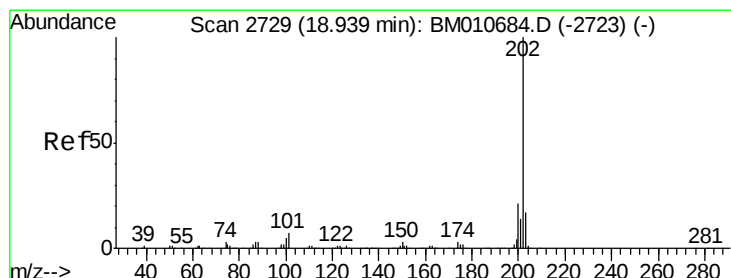
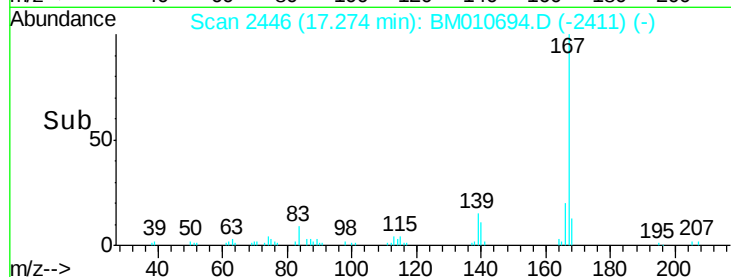
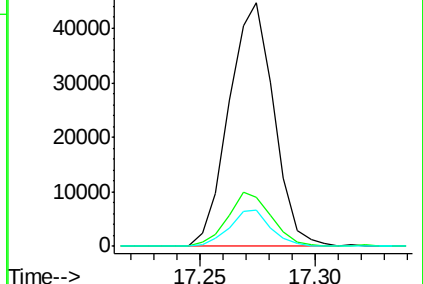
Tgt Ion:	167	Resp:	60457
Ion Ratio	Lower	Upper	
167	100		
166	20.2	17.1	25.7
139	14.9	10.0	15.0



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: 14.99 ng/ul

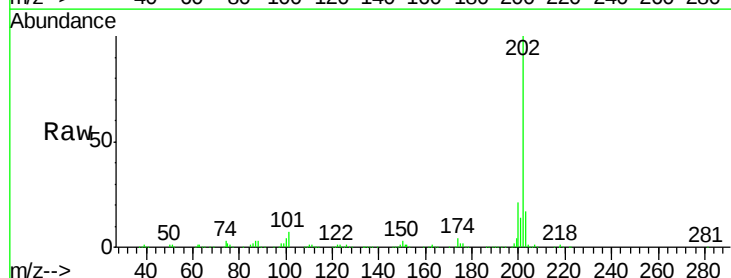
RT: 18.94 min Scan# 2729

Delta R.T. 0.01 min

Lab File: BM010694.D

Acq: 23 Jun 2017 17:37

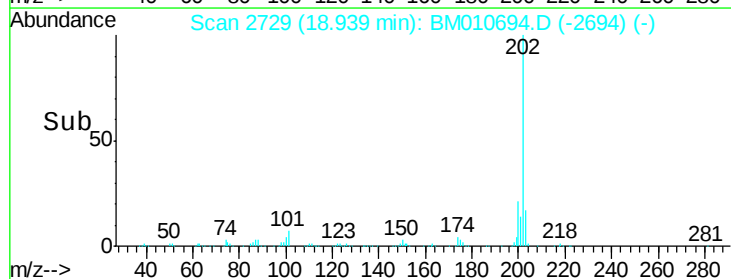
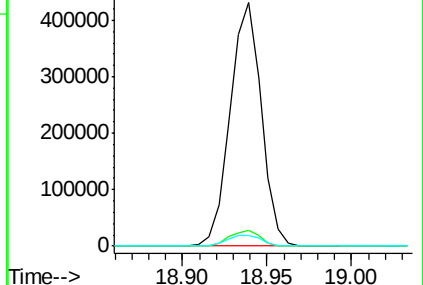
Tgt Ion:	202	Resp:	552020
Ion Ratio	Lower	Upper	
202	100		
101	6.6	4.6	7.0
100	4.3	3.4	5.2

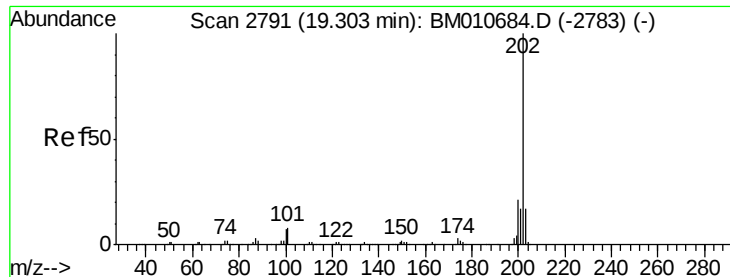


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 10.59 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. 0.00 min

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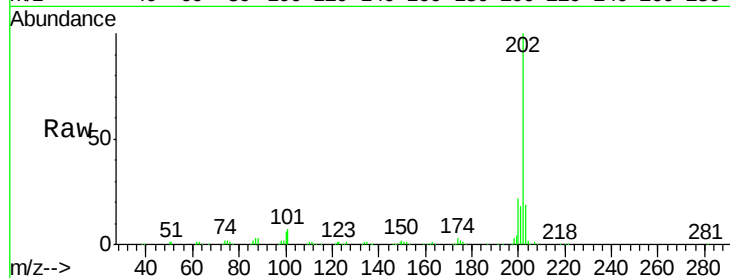
Tgt Ion:202 Resp: 363696

Ion Ratio Lower Upper

202 100

101 7.5 5.1 7.7

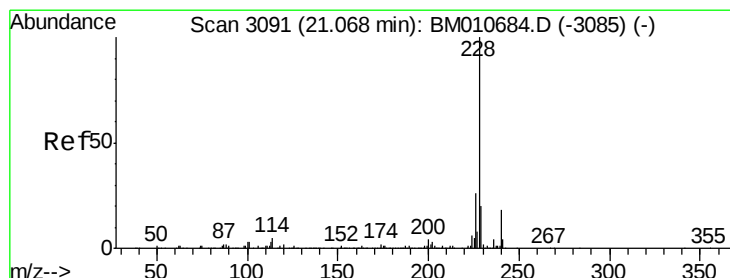
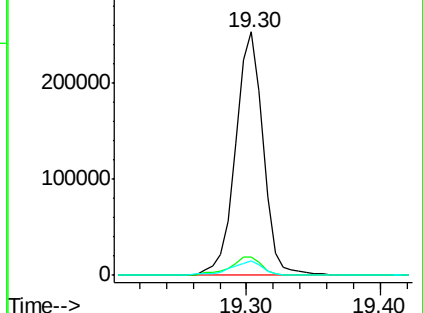
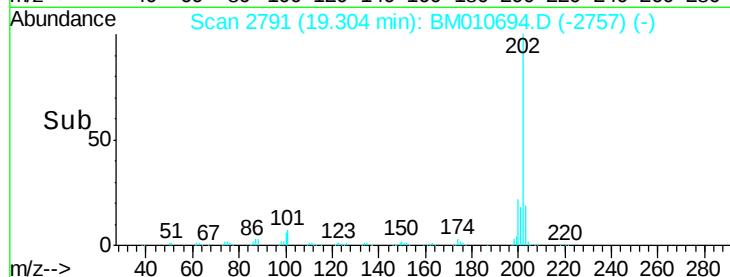
100 5.9 4.9 7.3



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: 3.22 ng/ul

RT: 21.06 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM010694.D

Acq: 23 Jun 2017 17:37

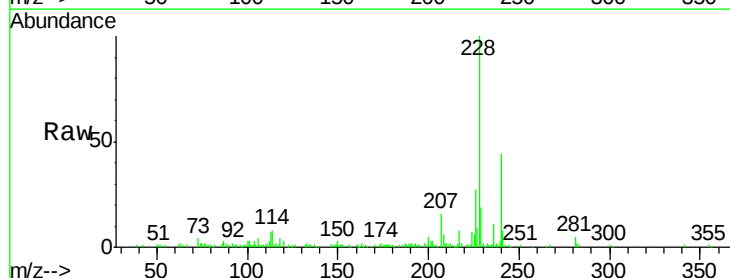
Tgt Ion:228 Resp: 111407

Ion Ratio Lower Upper

228 100

229 19.4 15.4 23.0

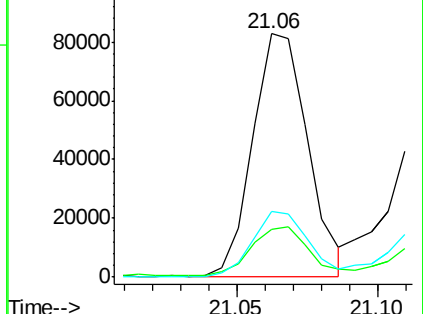
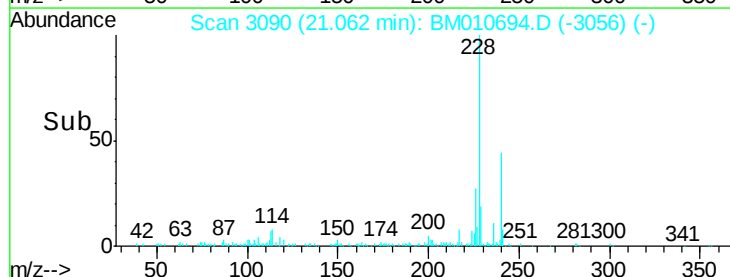
226 27.0 21.4 32.0

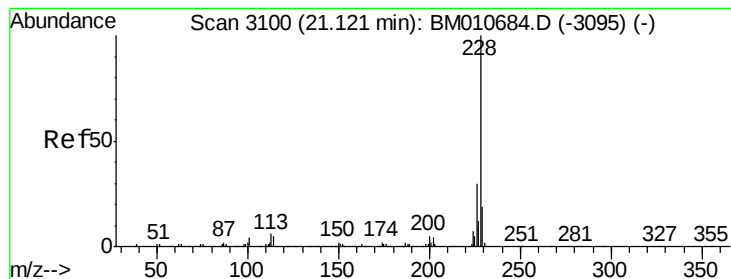


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 2.68 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM010694.D

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Instrument :

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F5B25MEDL

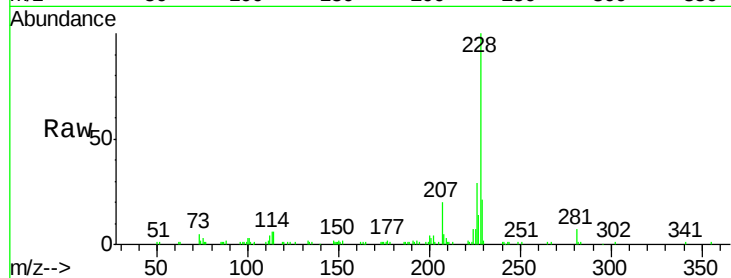
Tgt Ion:228 Resp: 82725

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.2

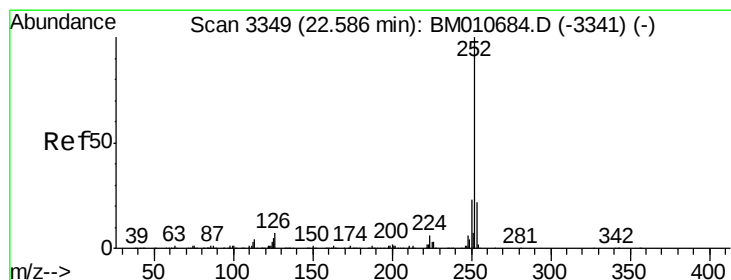
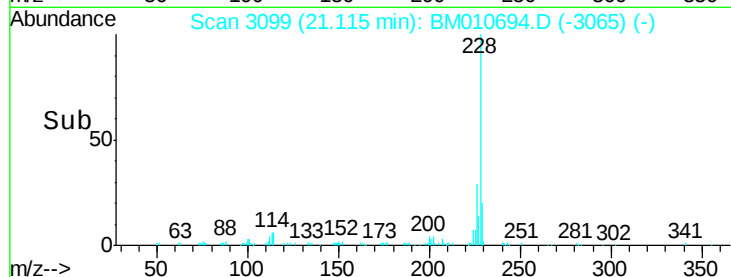
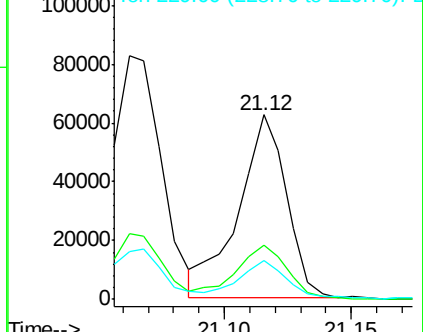
229 20.9 15.5 23.3



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: 1.88 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. 0.01 min

Lab File: BM010694.D

Acq: 23 Jun 2017 17:37

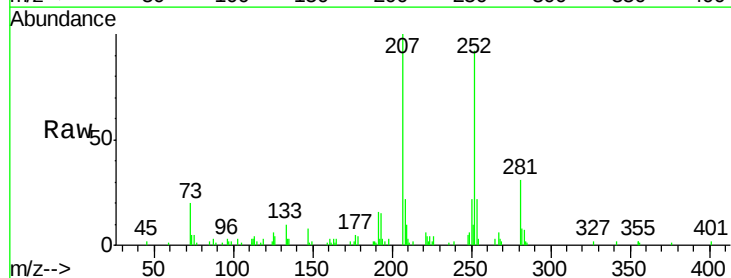
Tgt Ion:252 Resp: 53900

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

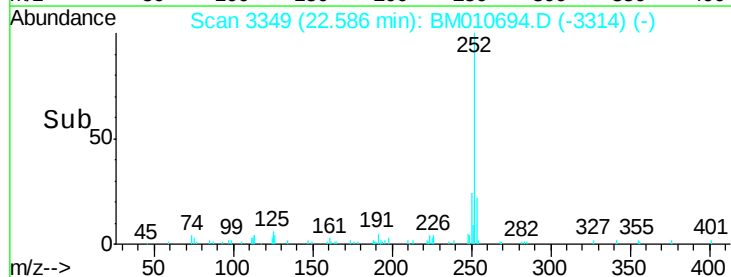
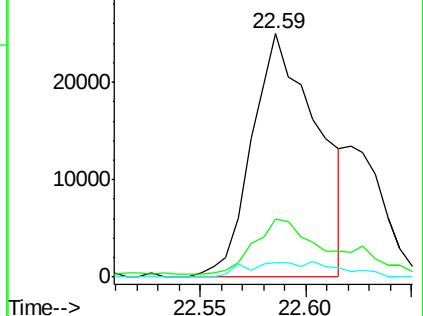
125 6.1 3.6 5.4#

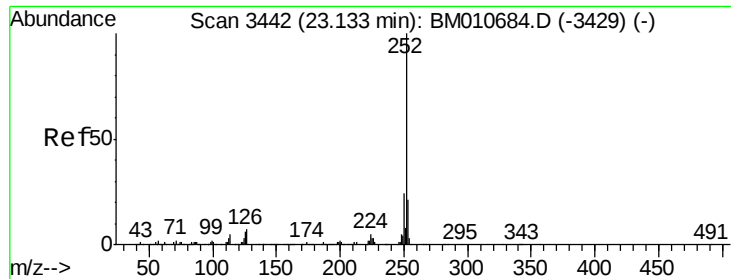


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 1.08 ng/ul

RT: 23.12 min Scan# 3440

Delta R.T. -0.01 min

Lab File: BM010694.D

Acq: 23 Jun 2017 17:37

Instrument :

BNA_M

ClientSampleId :

F5B25MEDL

Tgt Ion: 252 Resp: 28350

Ion Ratio Lower Upper

252 100

253 20.3 18.2 27.2

125 6.2 4.0 6.0#

