

Data File : BM010644.D
Acq On : 22 Jun 2017 03:50
Operator : SJ/JU
Sample : I3521-08ME 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C56ME

Quant Time: Jun 22 04:29:20 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 22 01:38:18 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	76373	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	347367	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	239966	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	604756	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	703206	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	553216	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	562	0.42	ng/uL	0.00
5) Phenol-d5	6.65	99	23521	3.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	13558	3.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	19380	3.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	18839	3.12	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	9592	3.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	10626	3.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	23370	3.89	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	29425	4.65	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	92442	4.39	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	102102	4.17	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	10041	2.71	ng/ul	0.00
57) Fluorene-d10	15.12	176	78092	4.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	11090	2.99	ng/ul	-0.01
70) Anthracene-d10	16.87	188	604756	20.71	ng/ul	-0.10
76) Pyrene-d10	19.27	212	155919	4.77	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	118854	4.44	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.27	128	139896	8.09	ng/ul	99
30) 4-Chloroaniline	10.27	127	20069	3.15	ng/ul#	32
34) 2-Methylnaphthalene	11.90	142	105160	7.57	ng/ul	92
40) 1,1'-Biphenyl	12.94	154	44821	2.39	ng/ul	99
49) Acenaphthene	14.17	153	125316	7.96	ng/ul	97
53) Dibenzofuran	14.52	168	185988	7.80	ng/ul	92
58) Fluorene	15.17	166	180984	9.07	ng/ul	99
69) Phenanthrene	16.91	178	805921	25.07	ng/ul	98
71) Anthracene	17.00	178	84949	2.56	ng/ul	98
74) Fluoranthene	18.94	202	463929	11.20	ng/ul	98
77) Pyrene	19.30	202	302957	7.46	ng/ul#	96
80) Benzo(a)anthracene	21.07	228	87420	2.13	ng/ul	99
82) Chrysene	21.12	228	75002	2.05	ng/ul	96
85) Benzo(b)fluoranthene	22.59	252	48095	1.34	ng/ul	95
86) Benzo(k)fluoranthene	22.59	252	48095	1.41	ng/ul	97

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

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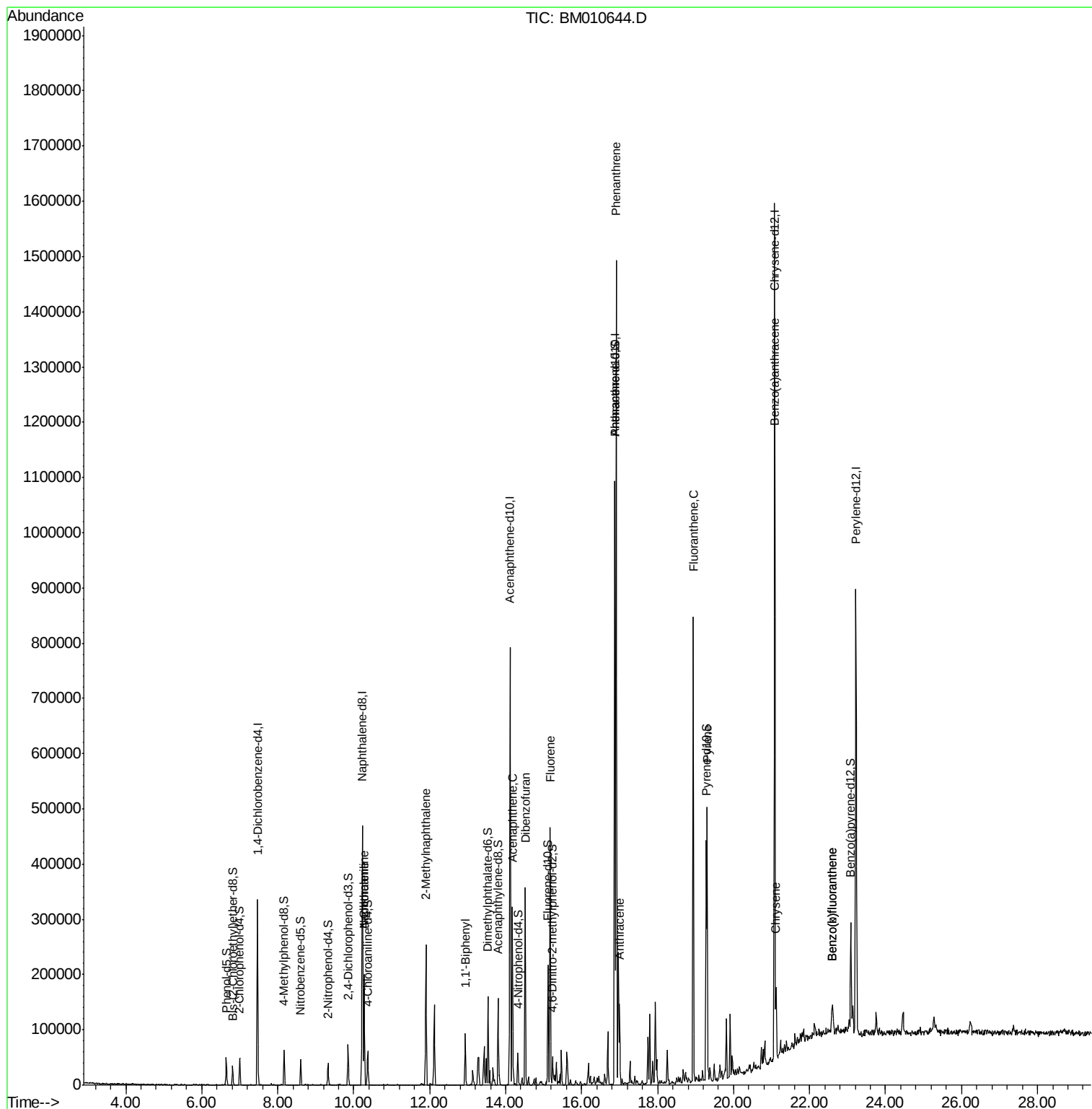
Quant Time: Jun 22 04:29:20 2017

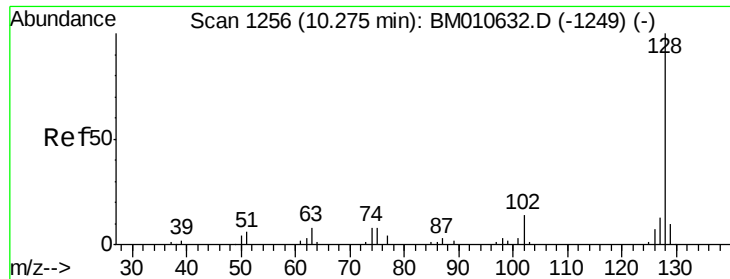
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 22 01:38:18 2017

Response via : Initial Calibration





#28

Naphthalene

Concen: 8.09 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. 0.00 min

Lab File: BM010644.D

Acq: 22 Jun 2017 03:50

Instrument :

BNA_M

ClientSampleId :

F5C56ME

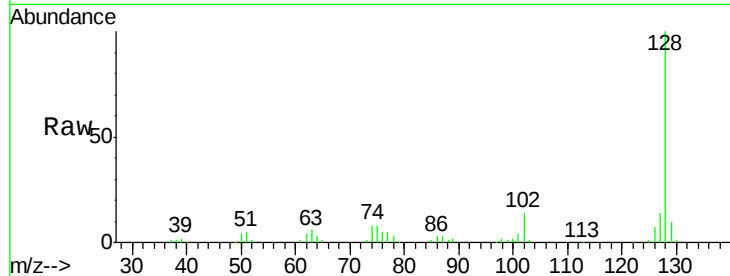
Tgt Ion:128 Resp: 139896

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

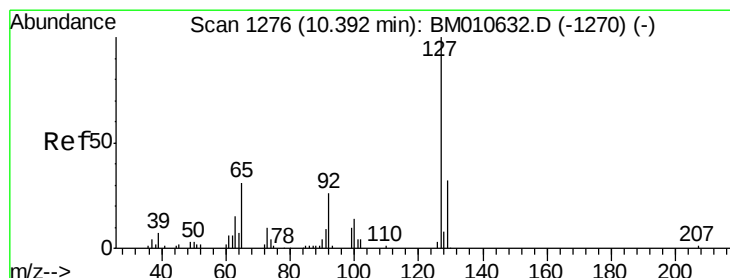
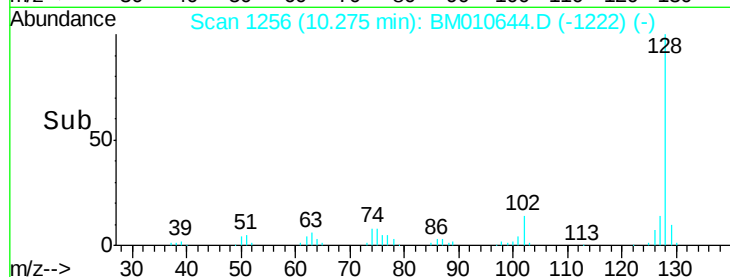
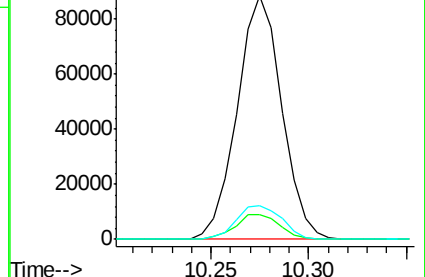
127 13.9 10.6 16.0



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: 3.15 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.12 min

Lab File: BM010644.D

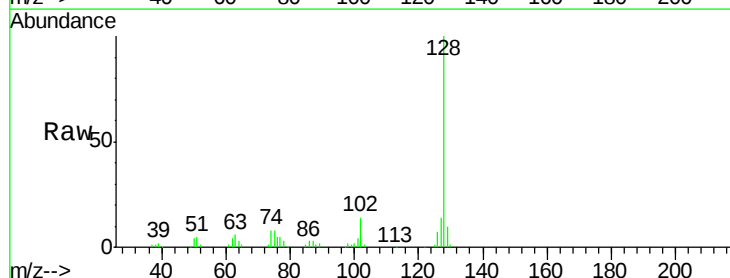
Acq: 22 Jun 2017 03:50

Tgt Ion:127 Resp: 20069

Ion Ratio Lower Upper

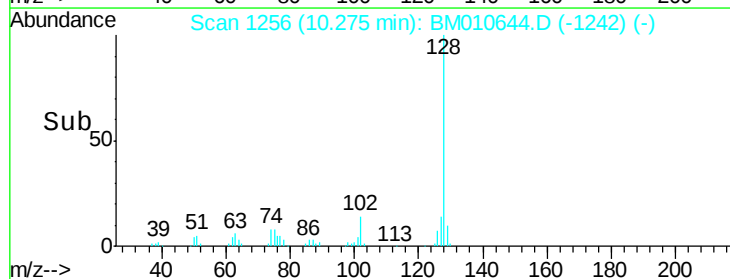
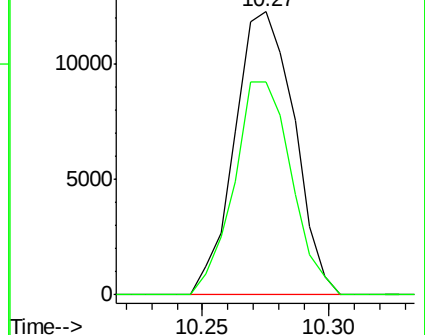
127 100

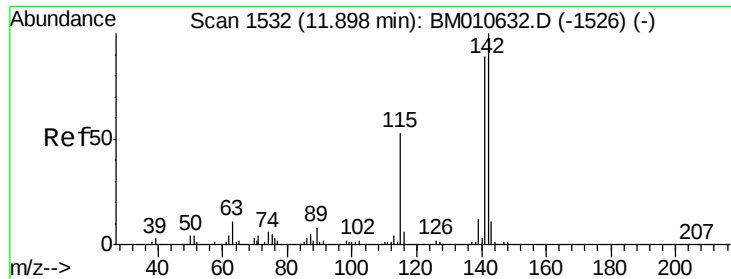
129 75.1 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

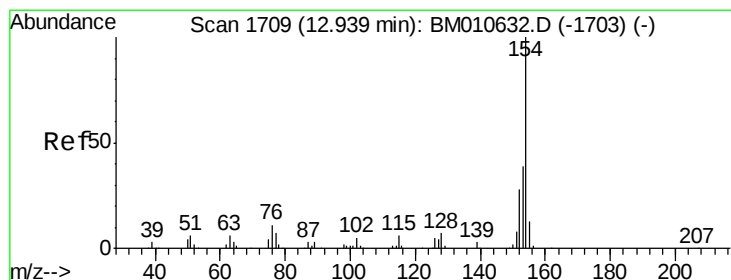
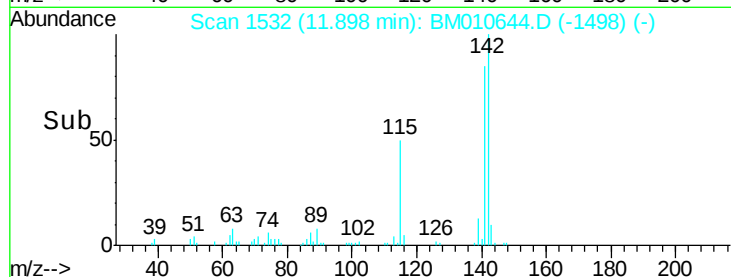
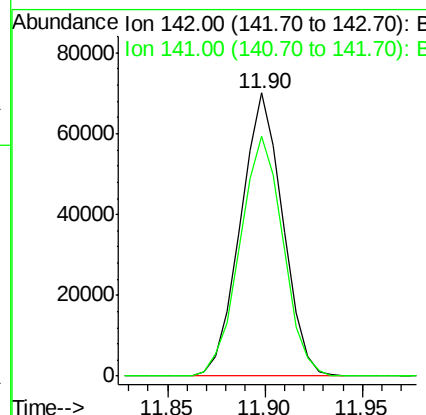
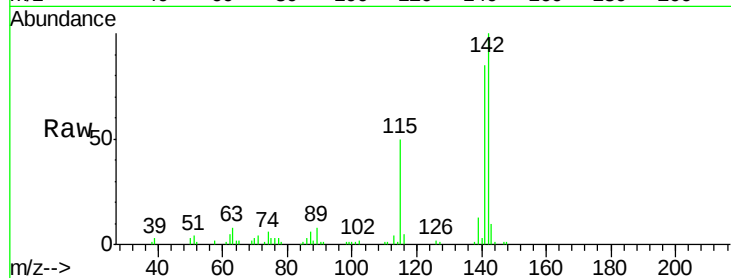




#34
 2-Methylnaphthalene
 Concen: 7.57 ng/u1
 RT: 11.90 min Scan# 1532
 Delta R.T. 0.00 min
 Lab File: BM010644.D
 Acq: 22 Jun 2017 03:50

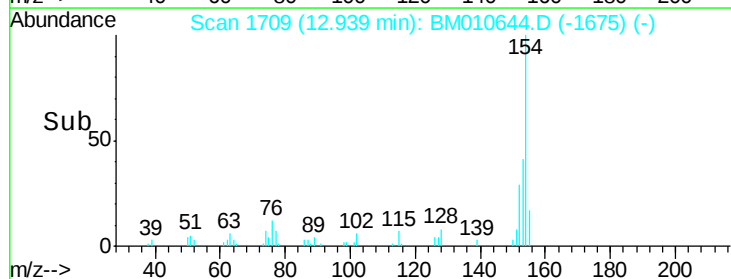
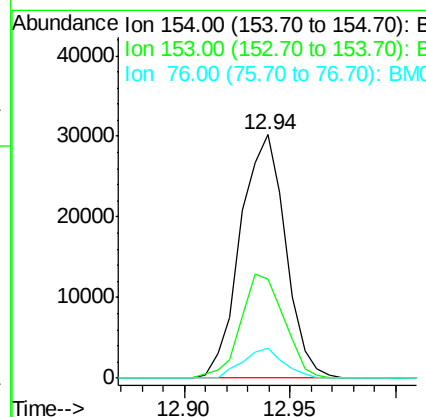
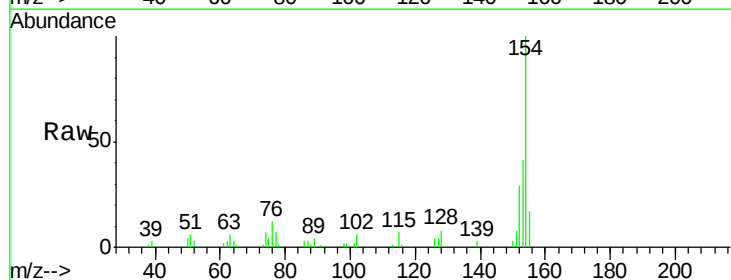
Instrument :
 BNA_M
 ClientSampleId :
 F5C56ME

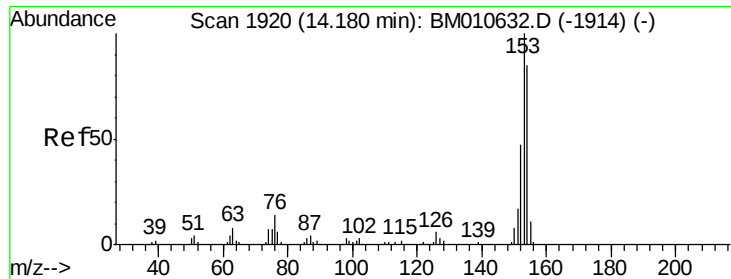
Tgt Ion:142 Resp: 105160
 Ion Ratio Lower Upper
 142 100
 141 84.7 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 2.39 ng/u1
 RT: 12.94 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BM010644.D
 Acq: 22 Jun 2017 03:50

Tgt Ion:154 Resp: 44821
 Ion Ratio Lower Upper
 154 100
 153 40.7 32.6 48.8
 76 12.3 8.5 12.7





#49

Acenaphthene

Concen: 7.96 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BM010644.D

Acq: 22 Jun 2017 03:50

Instrument :

BNA_M

ClientSampleId :

F5C56ME

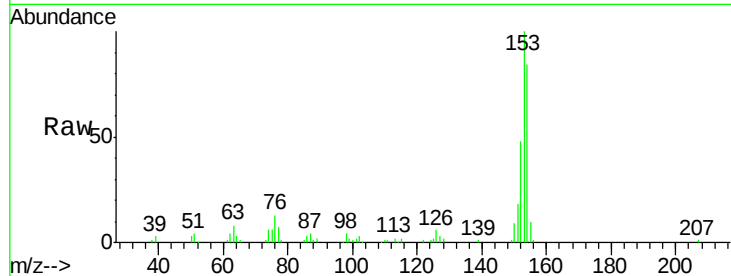
Tgt Ion:153 Resp: 125316

Ion Ratio Lower Upper

153 100

152 47.5 37.6 56.4

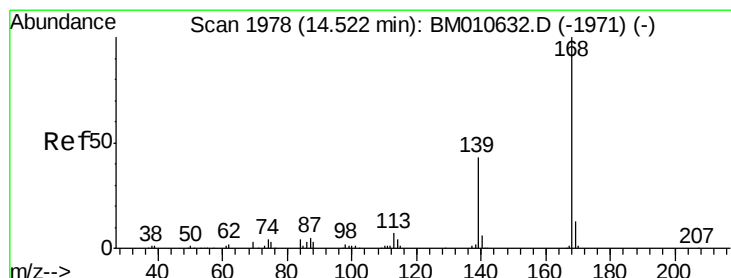
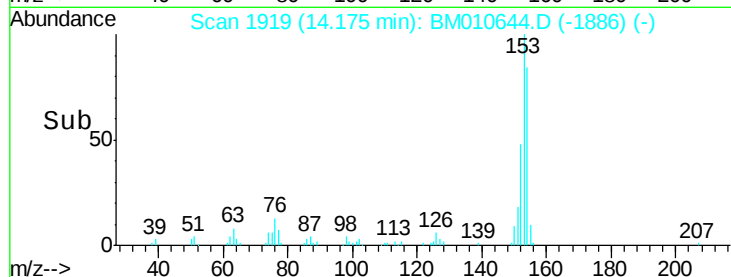
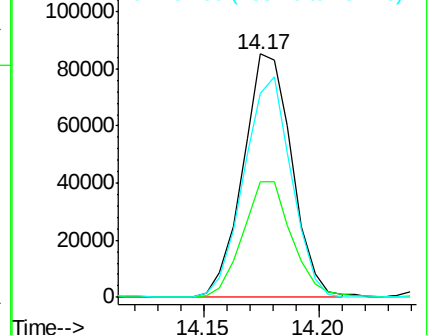
154 83.8 70.4 105.6



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: 7.80 ng/ul

RT: 14.52 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BM010644.D

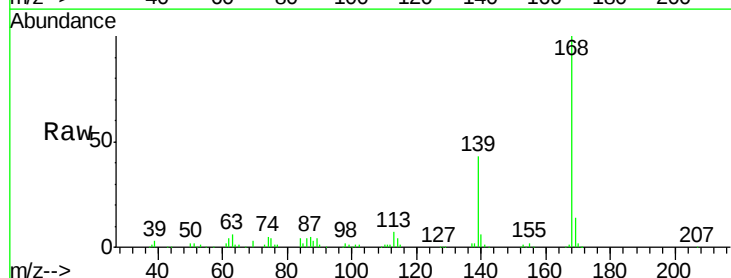
Acq: 22 Jun 2017 03:50

Tgt Ion:168 Resp: 185988

Ion Ratio Lower Upper

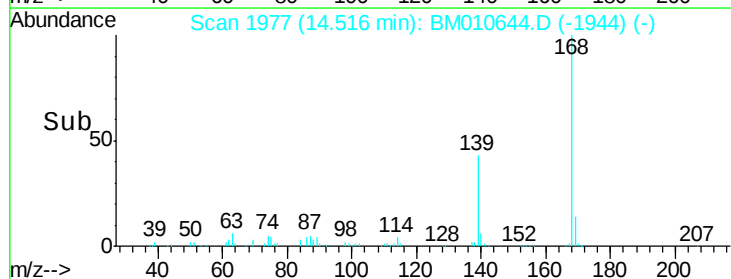
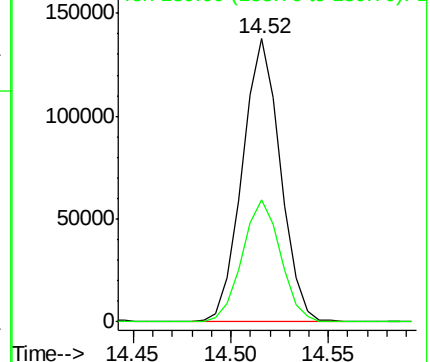
168 100

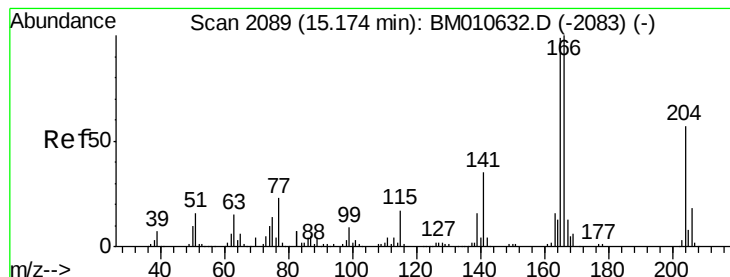
139 43.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 9.07 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BM010644.D

Acq: 22 Jun 2017 03:50

Instrument :

BNA_M

ClientSampleId :

F5C56ME

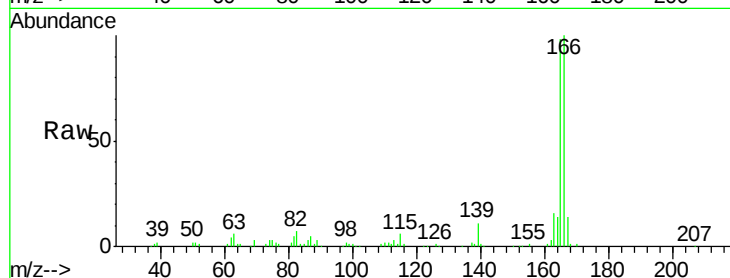
Tgt Ion:166 Resp: 180984

Ion Ratio Lower Upper

166 100

165 97.9 77.9 116.9

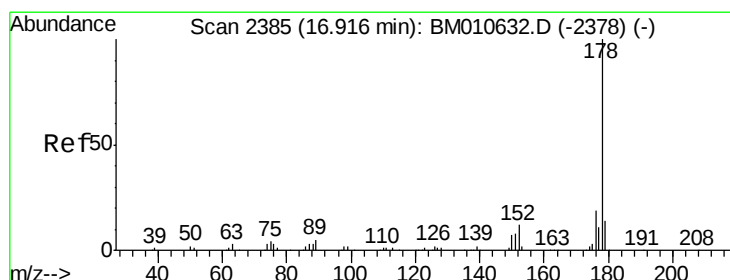
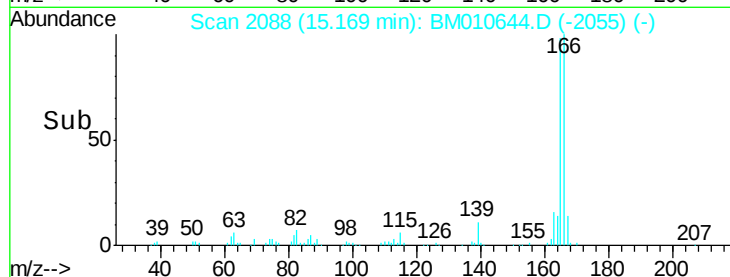
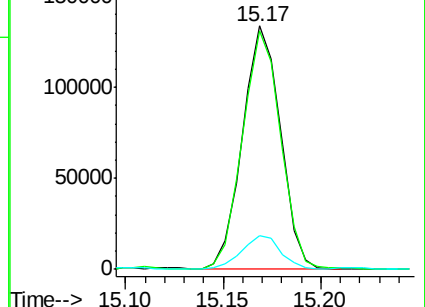
167 13.9 10.6 16.0



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: 25.07 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM010644.D

Acq: 22 Jun 2017 03:50

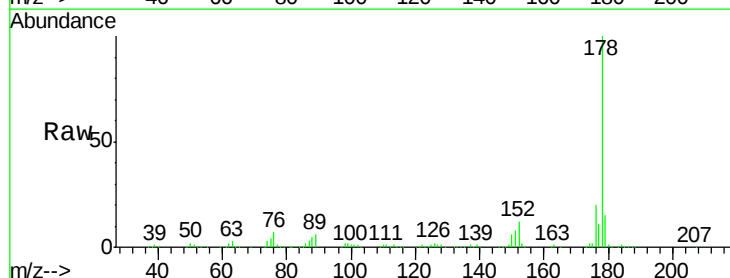
Tgt Ion:178 Resp: 805921

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

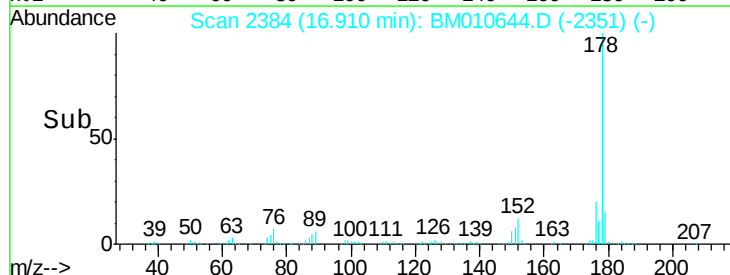
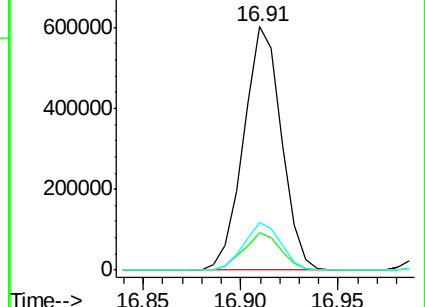
176 19.8 14.9 22.3

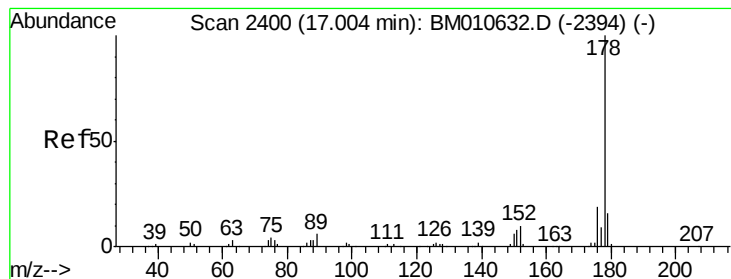


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 2.56 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM010644.D

Acq: 22 Jun 2017 03:50

Instrument :

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ClientSampleId :

F5C56ME

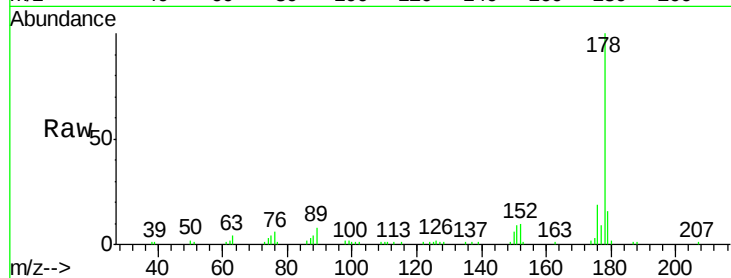
Tgt Ion:178 Resp: 84949

Ion Ratio Lower Upper

178 100

179 16.3 11.7 17.5

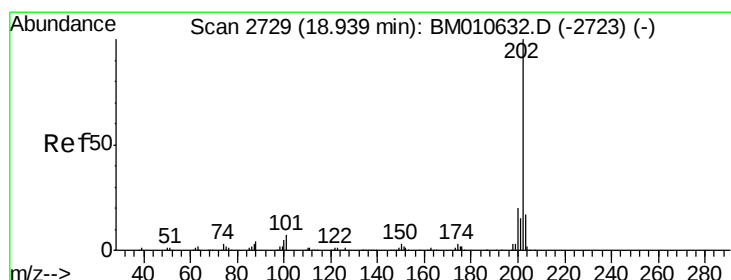
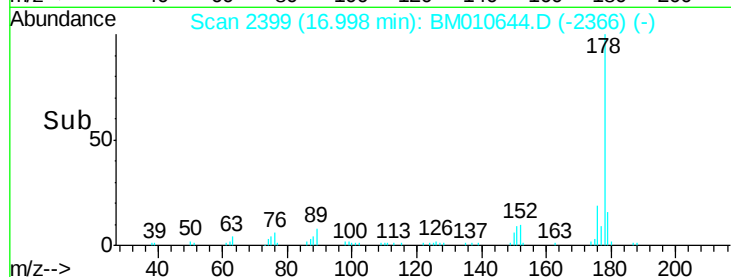
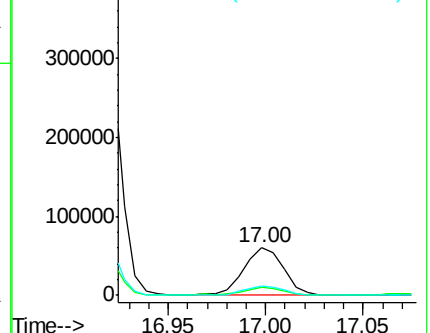
176 18.7 14.6 21.8



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



#74

Fluoranthene

Concen: 11.20 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM010644.D

Acq: 22 Jun 2017 03:50

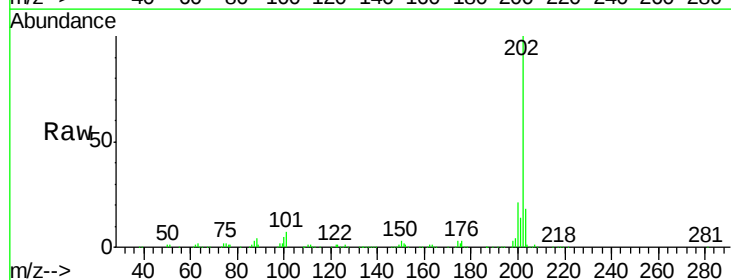
Tgt Ion:202 Resp: 463929

Ion Ratio Lower Upper

202 100

101 6.6 4.6 7.0

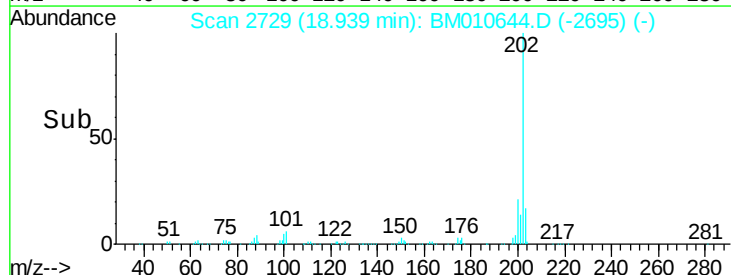
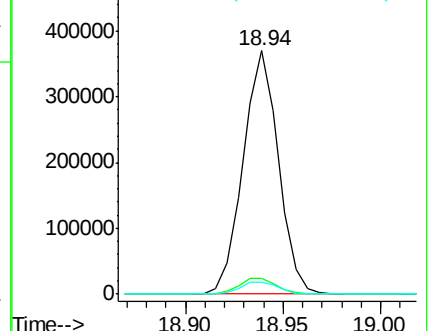
100 5.1 3.4 5.2

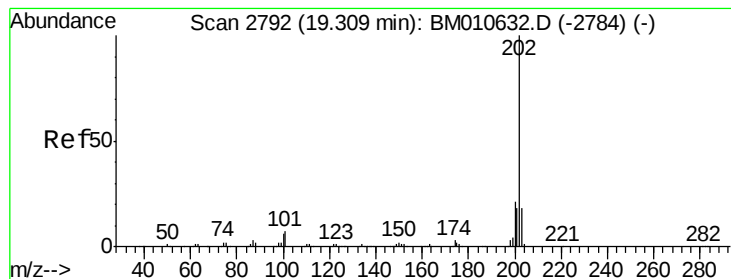


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 7.46 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. -0.01 min

Lab File: BM010644.D

Acq: 22 Jun 2017 03:50

Instrument :

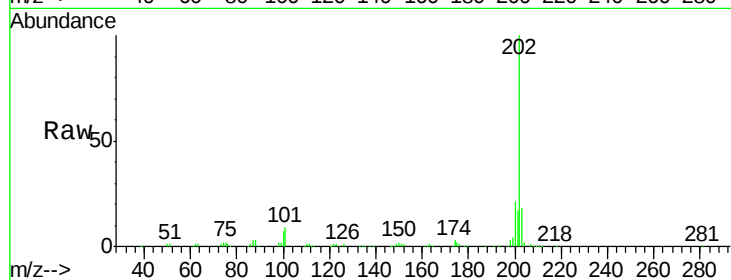
BNA_M

ClientSampleId :

F5C56ME

Tgt Ion:202 Resp: 302957

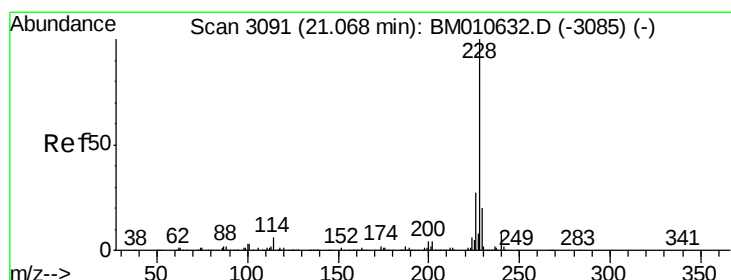
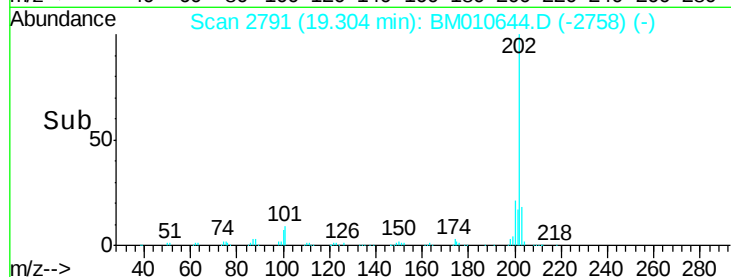
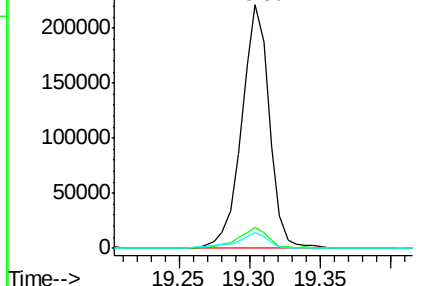
Ion	Ratio	Lower	Upper
202	100		
101	8.6	5.1	7.7#
100	6.7	4.9	7.3



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: 2.13 ng/ul

RT: 21.07 min Scan# 3091

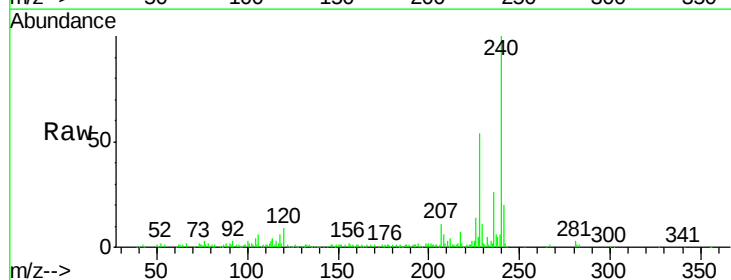
Delta R.T. 0.00 min

Lab File: BM010644.D

Acq: 22 Jun 2017 03:50

Tgt Ion:228 Resp: 87420

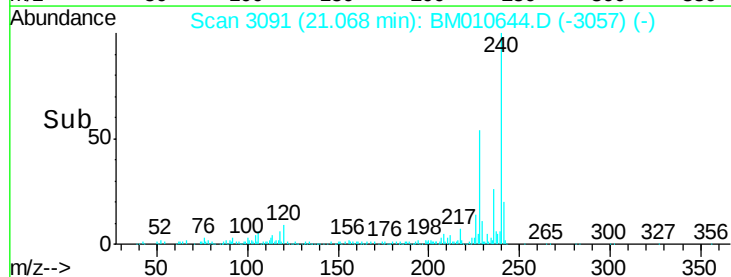
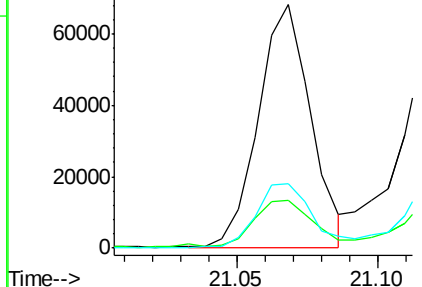
Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.4	23.0
226	26.7	21.4	32.0

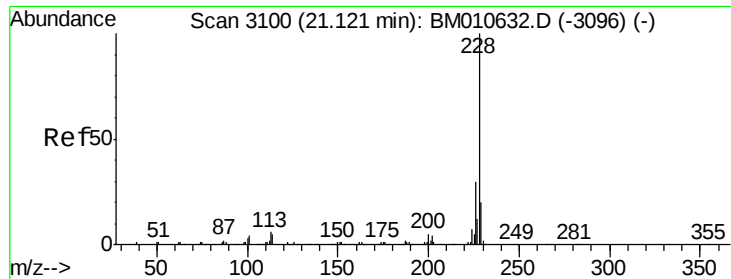


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 2.05 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BM010644.D

Acq: 22 Jun 2017 03:50

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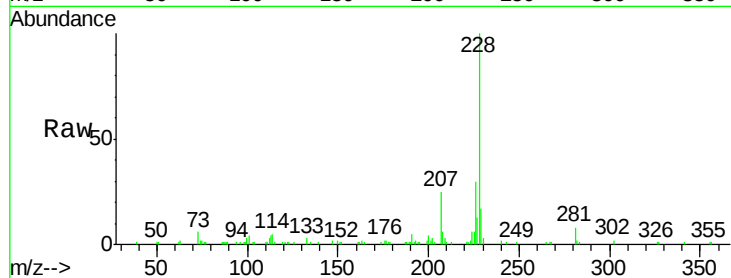
Tgt Ion:228 Resp: 75002

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

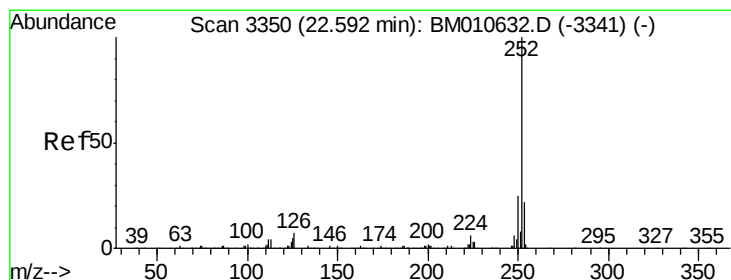
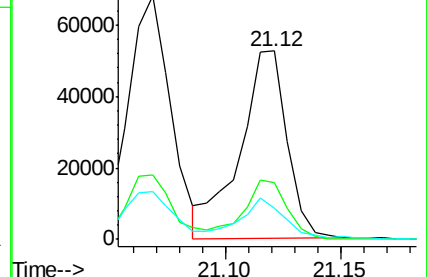
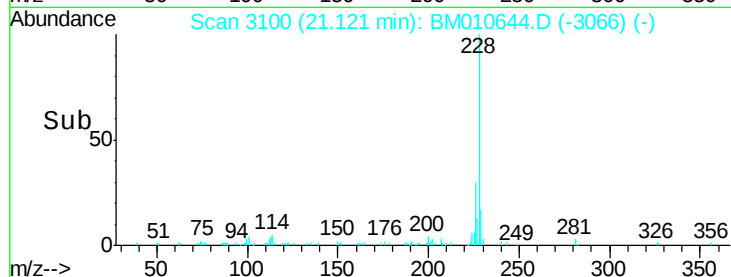
229 16.7 15.5 23.3



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: 1.34 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.01 min

Lab File: BM010644.D

Acq: 22 Jun 2017 03:50

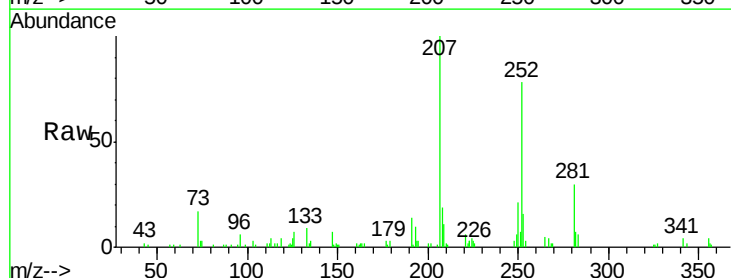
Tgt Ion:252 Resp: 48095

Ion Ratio Lower Upper

252 100

253 19.9 17.9 26.9

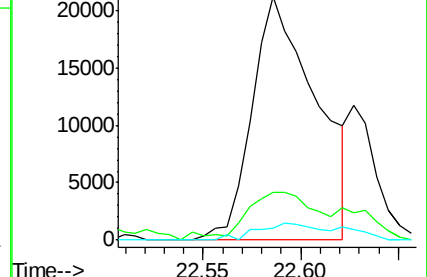
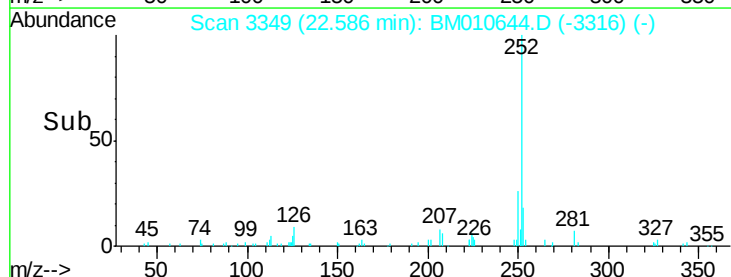
125 5.0 3.6 5.4

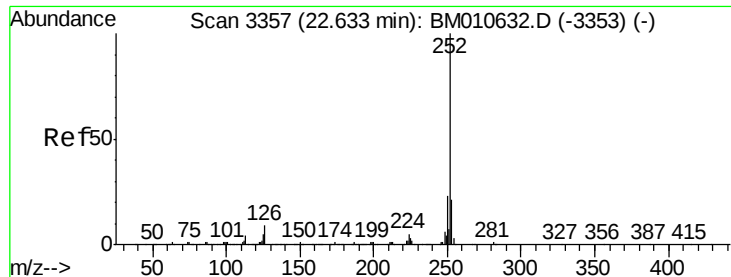


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 1.41 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.05 min

Lab File: BM010644.D

Acq: 22 Jun 2017 03:50

Instrument :

BNA_M

ClientSampleId :

F5C56ME

Tgt Ion:252 Resp: 48095

Ion Ratio Lower Upper

252 100

253 19.9 17.1 25.7

125 5.0 3.4 5.2

