

Data File : BM010641.D
Acq On : 22 Jun 2017 02:03
Operator : SJ/JU
Sample : I3625-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5E17

Quant Time: Jun 22 04:08:10 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	56620	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	271150	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	189981	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	495018	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	614173	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	516625	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	5351	5.42	ng/uL	0.00
5) Phenol-d5	6.65	99	127002	23.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	74615	24.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	99147	26.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	112160	25.08	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	55186	28.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	65960	29.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	125051	26.65	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	131873	26.67	ng/ul	0.00
43) Dimethylphthalate-d6	13.54	166	497878	29.85	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	553531	28.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	74429	25.36	ng/ul	0.00
57) Fluorene-d10	15.12	176	420583	29.17	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	85901	28.25	ng/ul	0.00
70) Anthracene-d10	16.87	188	495018	20.71	ng/ul	-0.10
76) Pyrene-d10	19.28	212	813109	28.50	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	727036	29.12	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.67	94	70667	12.72	ng/ul	98
11) 2-Methylphenol	7.90	108	23969	5.66	ng/ul	99
16) 4-Methylphenol	8.23	108	69599	14.94	ng/ul	100
24) 2,4-Dimethylphenol	9.42	107	37541	6.24	ng/ul	98
28) Naphthalene	10.27	128	576786	42.75	ng/ul	99
30) 4-Chloroaniline	10.27	127	78564	15.80	ng/ul#	29
34) 2-Methylnaphthalene	11.90	142	135161	12.46	ng/ul	98
40) 1,1'-Biphenyl	12.94	154	38380	2.58	ng/ul#	93
44) Dimethylphthalate	13.59	163	136561	8.35	ng/ul	96
49) Acenaphthene	14.18	153	138858	11.14	ng/ul	97
53) Dibenzofuran	14.52	168	158455	8.39	ng/ul#	86
58) Fluorene	15.17	166	158011	10.00	ng/ul	98
69) Phenanthrene	16.91	178	712310	27.07	ng/ul	98
71) Anthracene	17.00	178	88904	3.28	ng/ul	99
72) Carbazole	17.27	167	75869	3.21	ng/ul	98
74) Fluoranthene	18.94	202	463652	13.67	ng/ul#	97
77) Pyrene	19.31	202	302308	8.52	ng/ul	99
80) Benzo(a)anthracene	21.07	228	98240	2.75	ng/ul	98
82) Chrysene	21.12	228	71548	2.24	ng/ul	99
85) Benzo(b)fluoranthene	22.59	252	46268	1.38	ng/ul#	98
86) Benzo(k)fluoranthene	22.59	252	46268	1.46	ng/ul#	96

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Quantitation Report (Not Reviewed)

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

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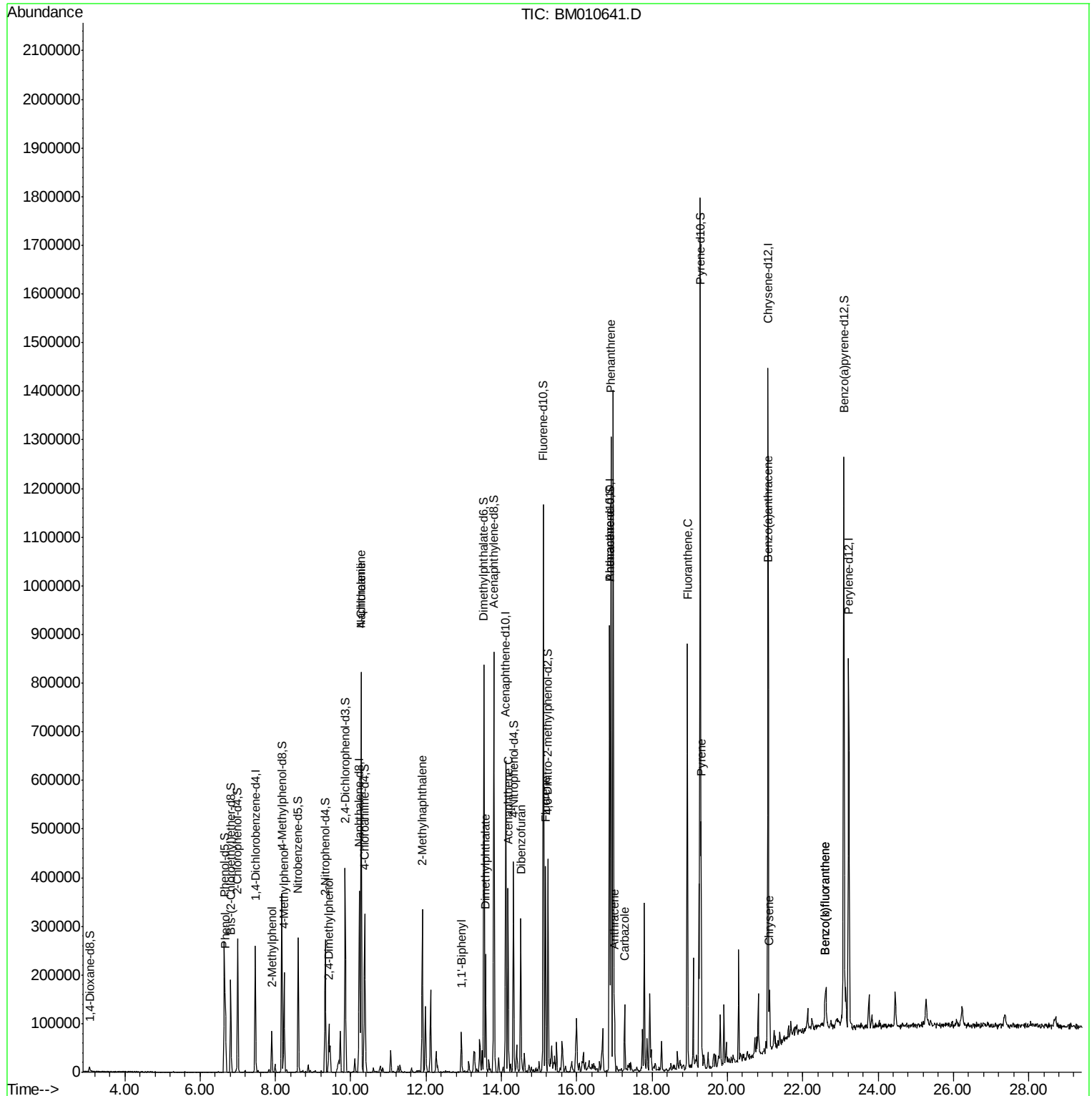
Quant Time: Jun 22 04:08:10 2017

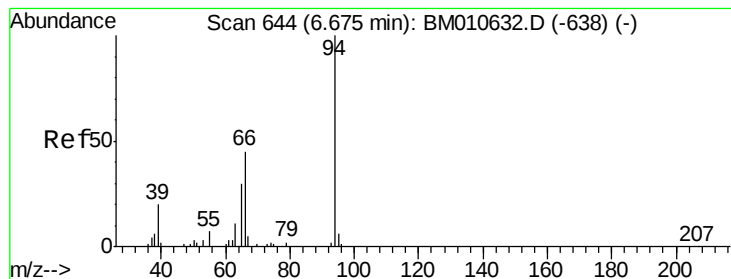
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

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

Response via : Initial Calibration





#6

Phenol

Concen: 12.72 ng/ul

RT: 6.67 min Scan# 644

Delta R.T. -0.00 min

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Acq: 22 Jun 2017 02:03

Instrument :

BNA_M

ClientSampleId :

F5E17

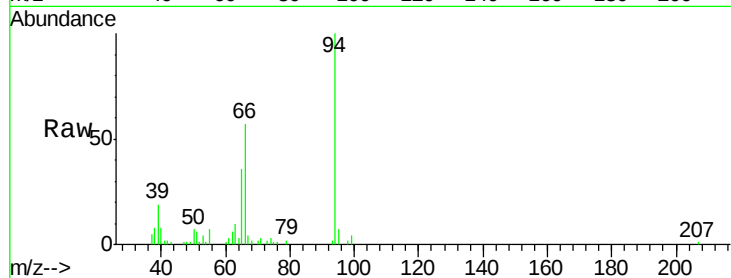
Tgt Ion: 94 Resp: 70667

Ion Ratio Lower Upper

94 100

65 35.9 28.2 42.4

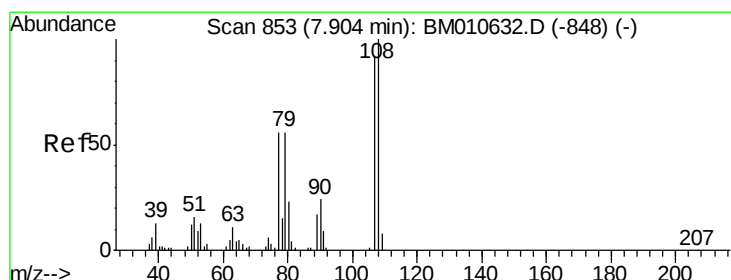
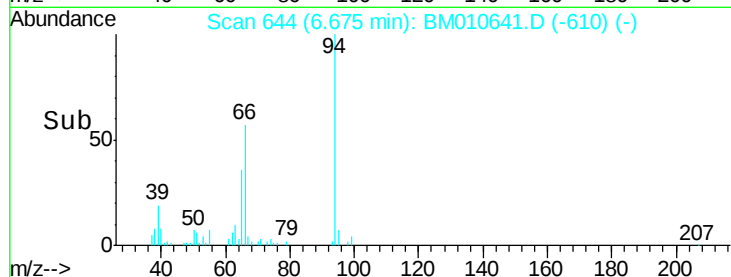
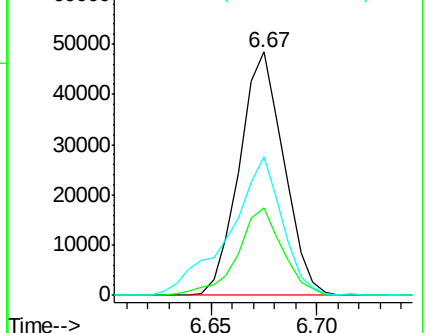
66 57.0 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM010632.D (-638) (-)

Ion 65.00 (64.70 to 65.70): BM010632.D (-638) (-)

Ion 66.00 (65.70 to 66.70): BM010632.D (-638) (-)



#11

2-Methylphenol

Concen: 5.66 ng/ul

RT: 7.90 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM010641.D

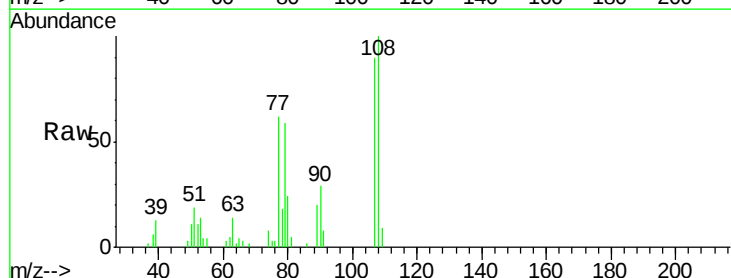
Acq: 22 Jun 2017 02:03

Tgt Ion: 108 Resp: 23969

Ion Ratio Lower Upper

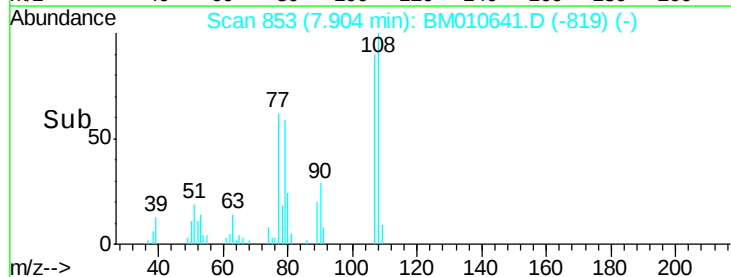
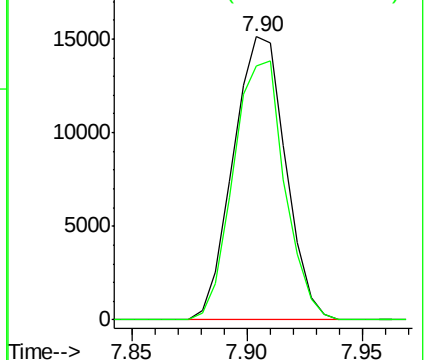
108 100

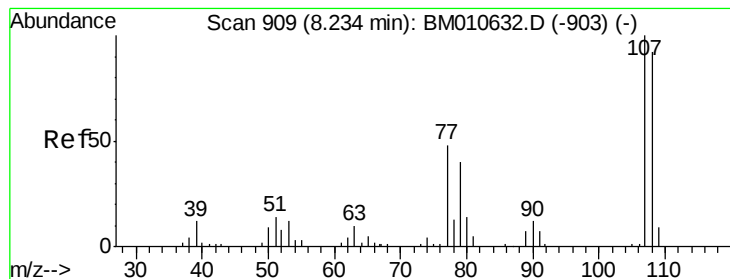
107 89.9 72.6 108.8



Abundance Ion 108.00 (107.70 to 108.70): BM010632.D (-848) (-)

Ion 107.00 (106.70 to 107.70): BM010632.D (-848) (-)





#16

4-Methylphenol

Concen: 14.94 ng/ul

RT: 8.23 min Scan# 909

Delta R.T. -0.00 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

Instrument :

BNA_M

ClientSampleId :

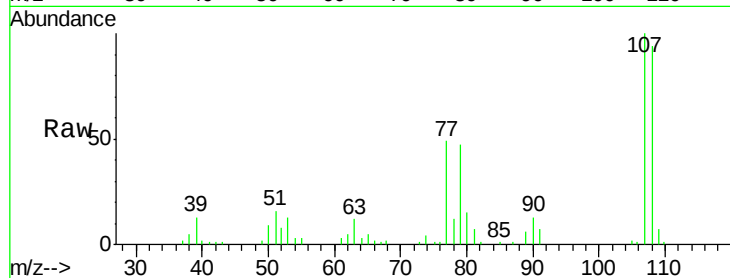
F5E17

Tgt Ion:108 Resp: 69599

Ion Ratio Lower Upper

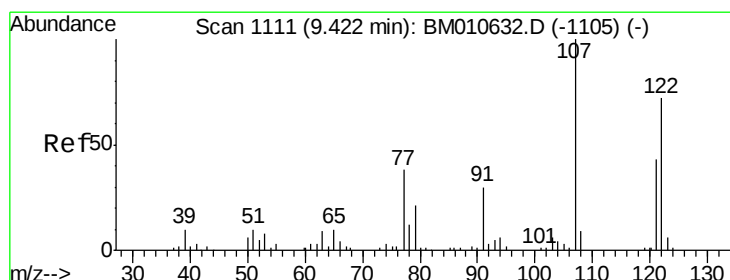
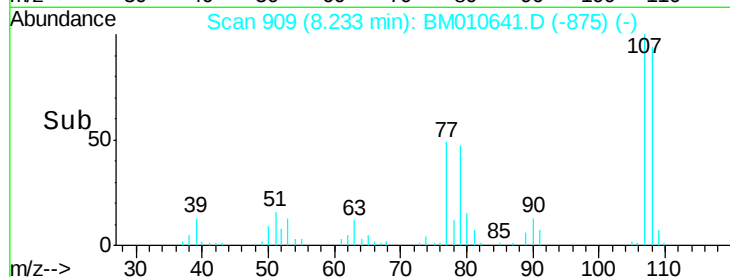
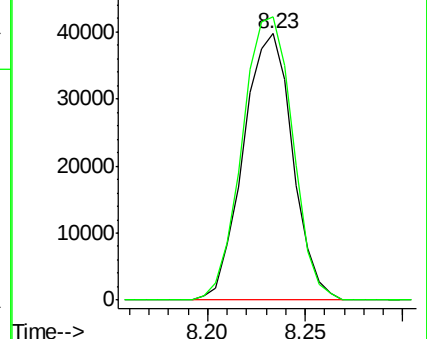
108 100

107 106.2 84.9 127.3



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#24

2,4-Dimethylphenol

Concen: 6.24 ng/ul

RT: 9.42 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

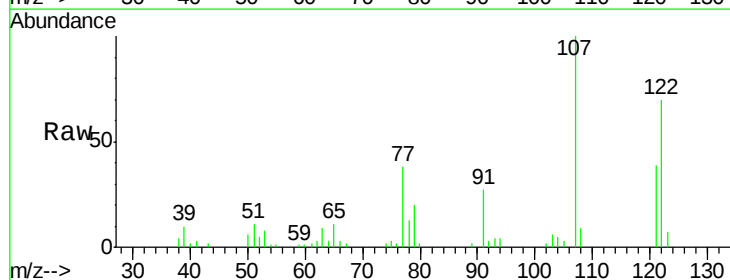
Tgt Ion:107 Resp: 37541

Ion Ratio Lower Upper

107 100

121 39.2 31.9 47.9

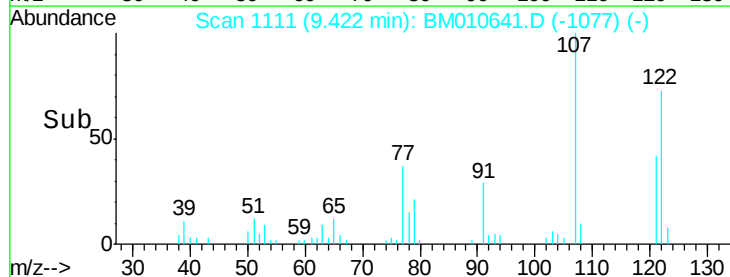
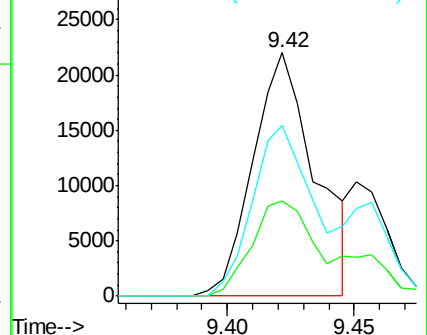
122 70.1 57.8 86.6

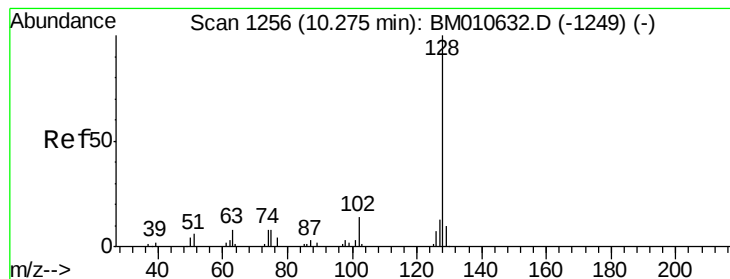


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Naphthalene

Concen: 42.75 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

Instrument :

BNA_M

ClientSampleId :

F5E17

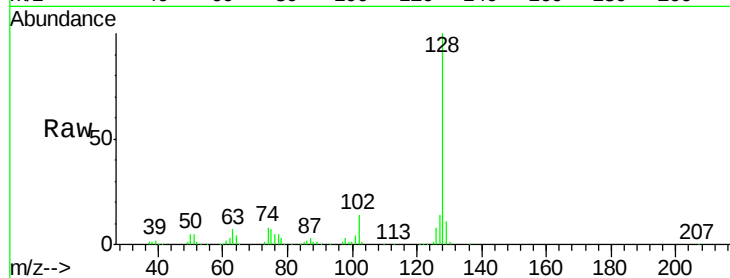
Tgt Ion:128 Resp: 576786

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

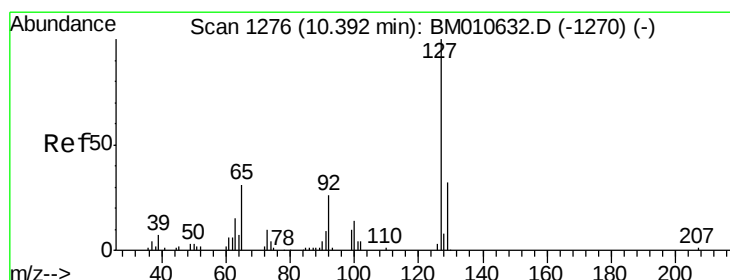
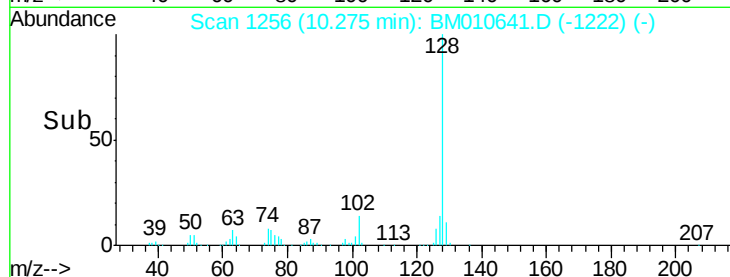
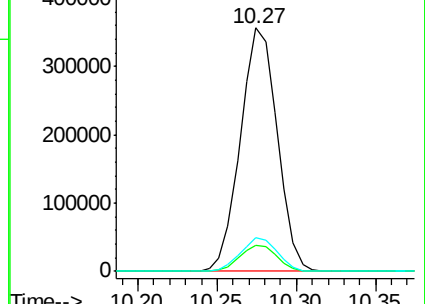
127 13.8 10.6 16.0



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: 15.80 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.12 min

Lab File: BM010641.D

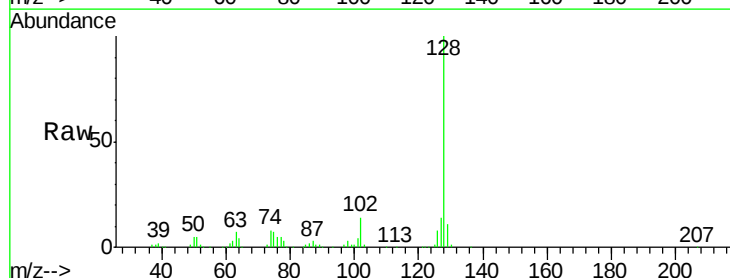
Acq: 22 Jun 2017 02:03

Tgt Ion:127 Resp: 78564

Ion Ratio Lower Upper

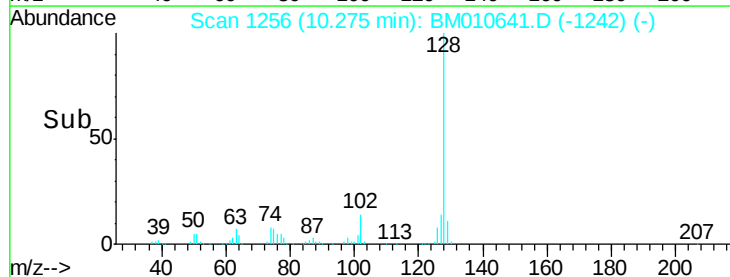
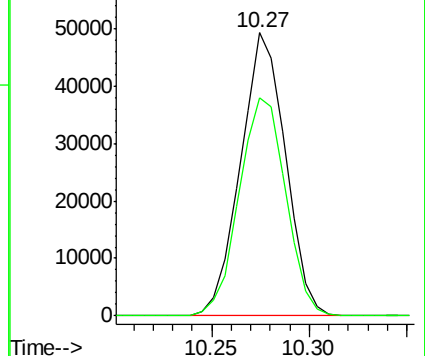
127 100

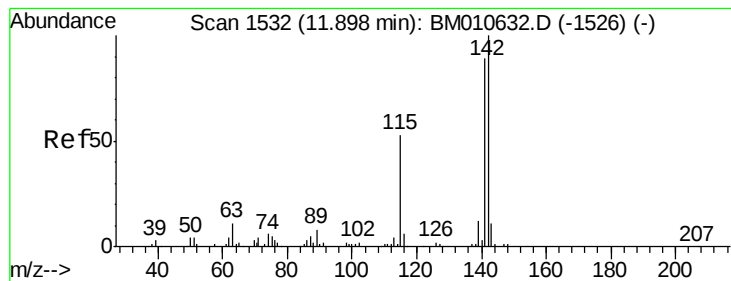
129 77.1 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 12.46 ng/ul

RT: 11.90 min Scan# 1532

Delta R.T. -0.00 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

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ClientSampleId :

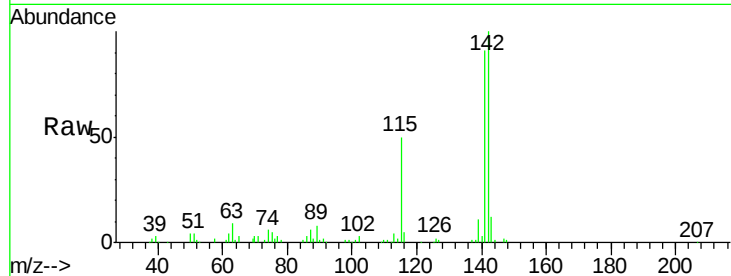
F5E17

Tgt Ion:142 Resp: 135161

Ion Ratio Lower Upper

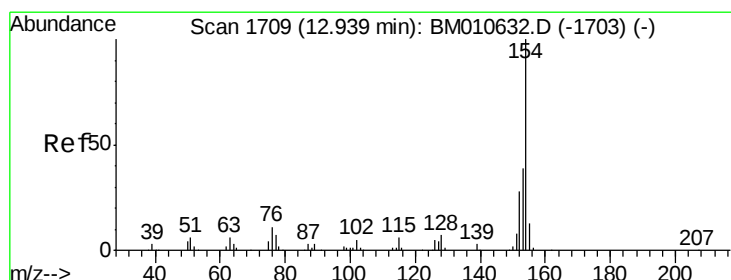
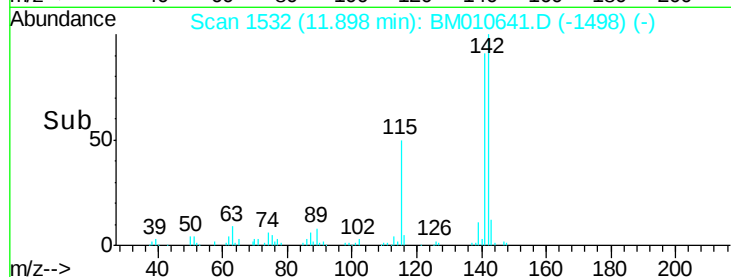
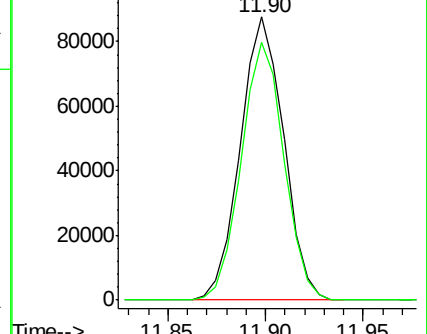
142 100

141 91.0 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: 2.58 ng/ul

RT: 12.94 min Scan# 1709

Delta R.T. -0.00 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

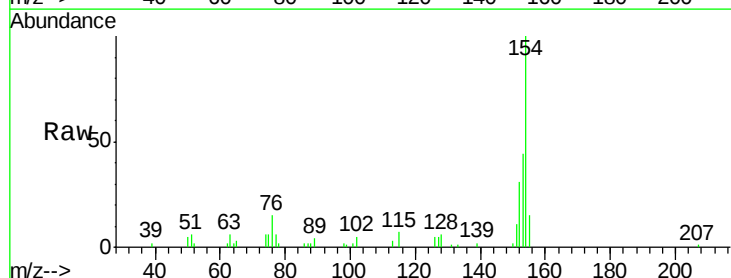
Tgt Ion:154 Resp: 38380

Ion Ratio Lower Upper

154 100

153 44.4 32.6 48.8

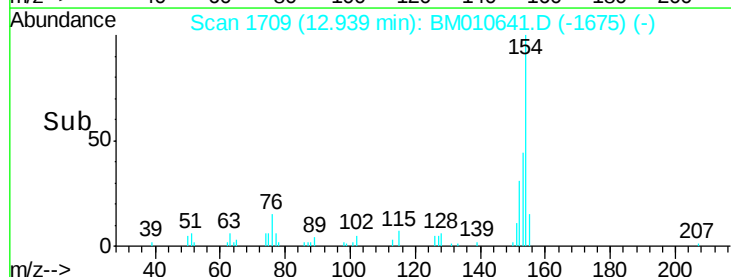
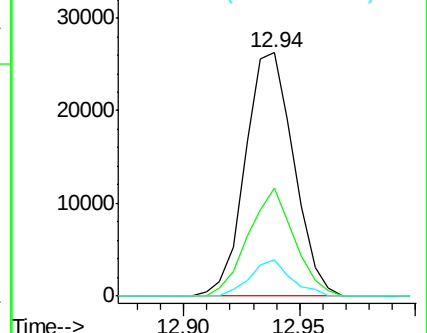
76 14.8 8.5 12.7#

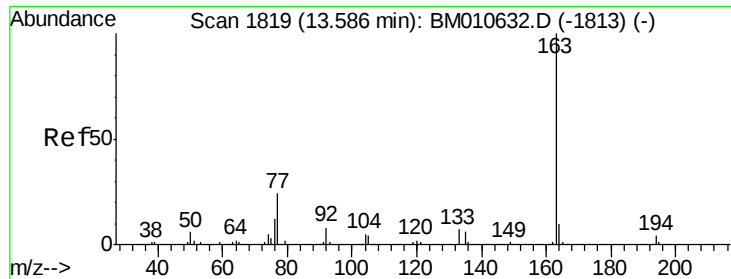


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM





#44

Dimethylphthalate

Concen: 8.35 ng/ul

RT: 13.59 min Scan# 1819

Delta R.T. -0.00 min

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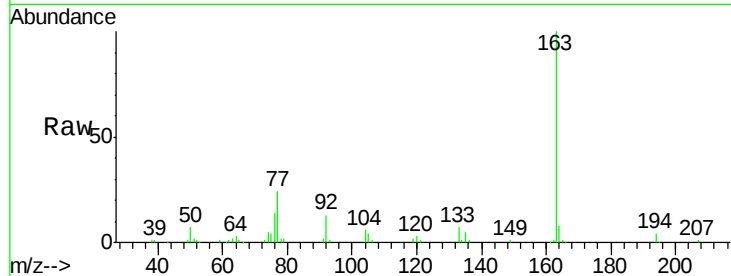
Tgt Ion:163 Resp: 136561

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

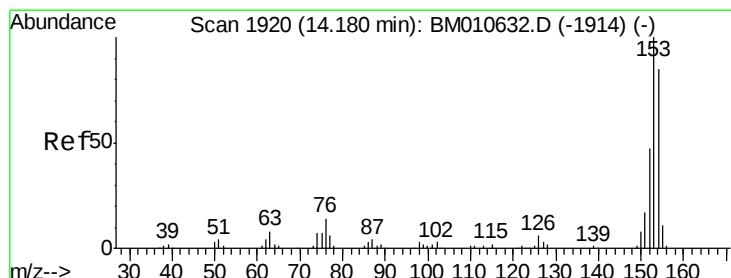
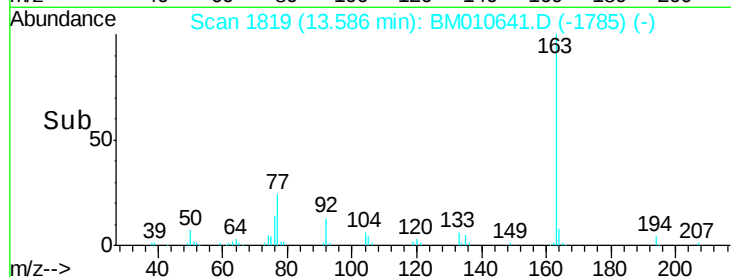
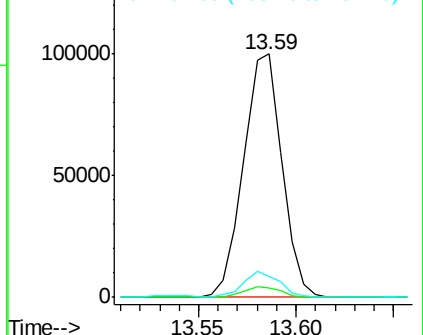
164 8.5 8.2 12.4



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



#49

Acenaphthene

Concen: 11.14 ng/ul

RT: 14.18 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

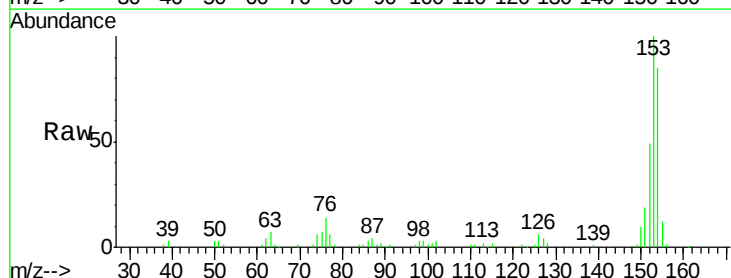
Tgt Ion:153 Resp: 138858

Ion Ratio Lower Upper

153 100

152 48.8 37.6 56.4

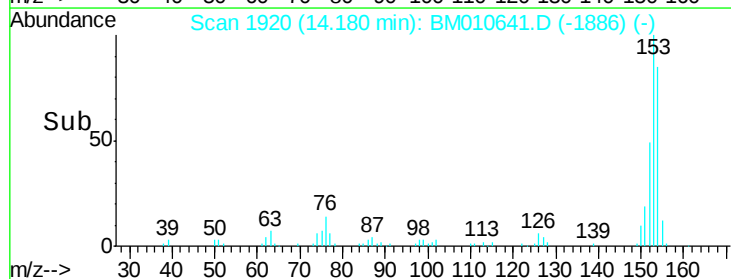
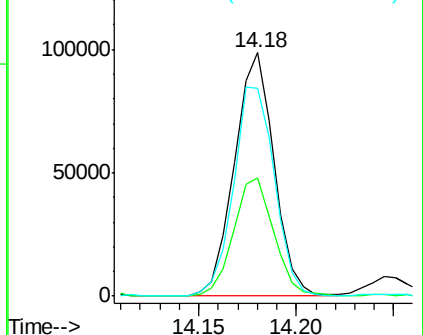
154 85.1 70.4 105.6

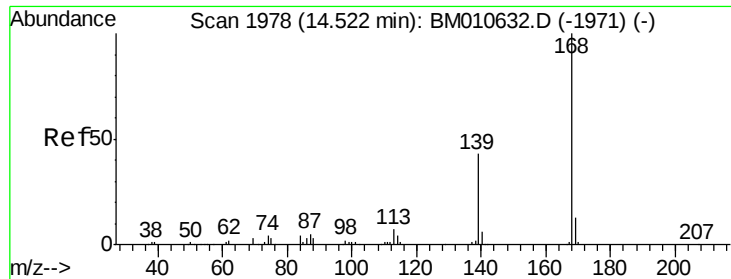


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 8.39 ng/ul

RT: 14.52 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

Instrument :

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ClientSampleId :

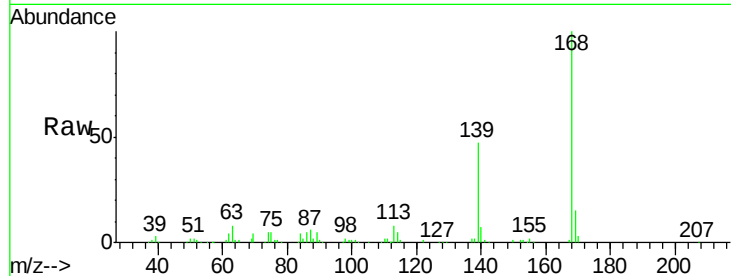
F5E17

Tgt Ion:168 Resp: 158455

Ion Ratio Lower Upper

168 100

139 46.7 30.8 46.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

120000

100000

80000

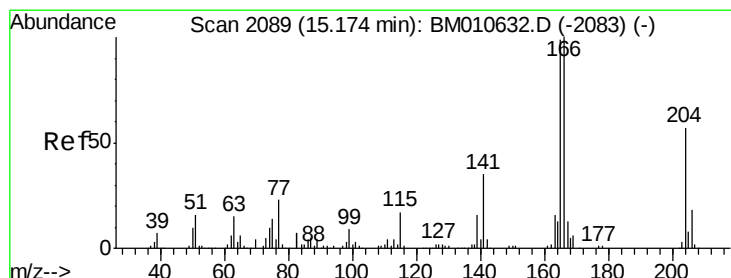
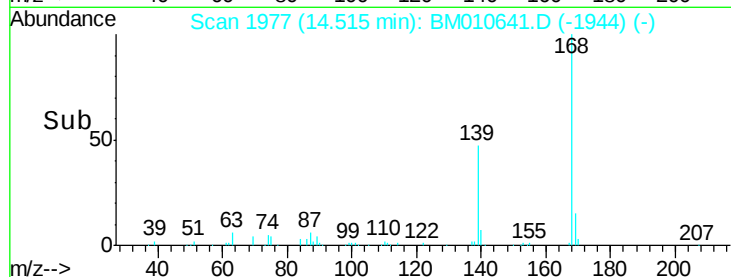
60000

40000

20000

0

Time--> 14.45 14.50 14.55



#58

Fluorene

Concen: 10.00 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

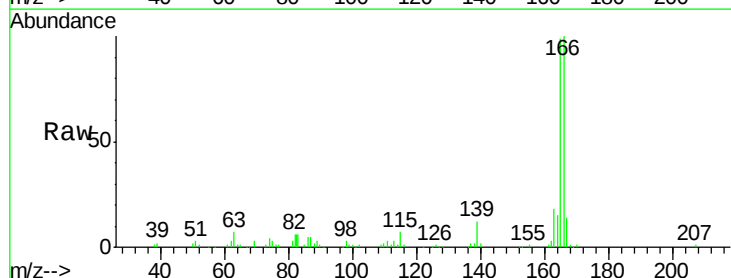
Tgt Ion:166 Resp: 158011

Ion Ratio Lower Upper

166 100

165 98.9 77.9 116.9

167 14.0 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

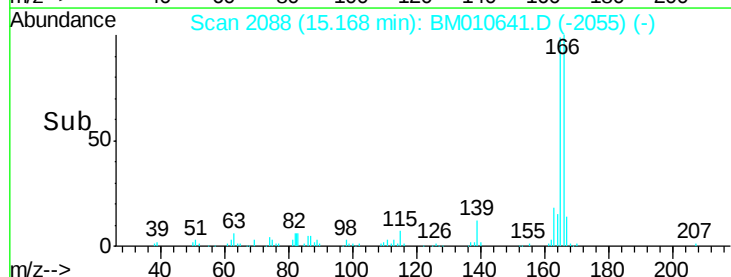
150000

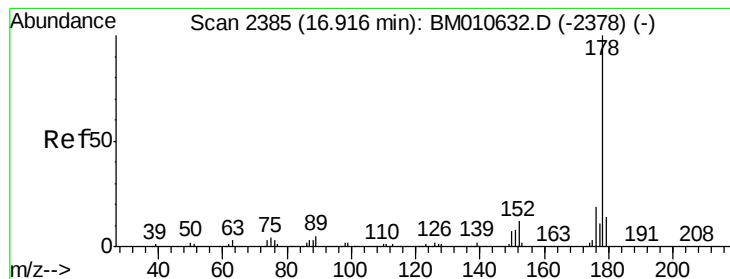
100000

50000

0

Time--> 15.15 15.20





#69

Phenanthrene

Concen: 27.07 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

Instrument :

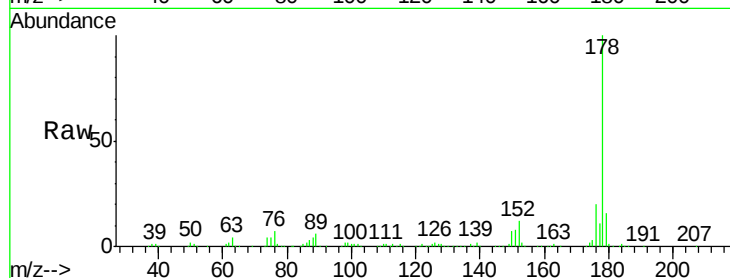
BNA_M

ClientSampleId :

F5E17

Tgt Ion:178 Resp: 712310

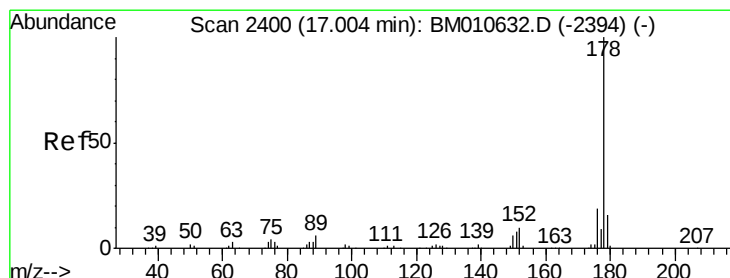
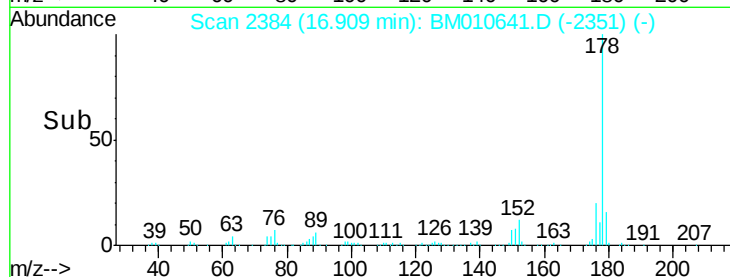
Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	19.0
176	20.2	14.9	22.3



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: 3.28 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

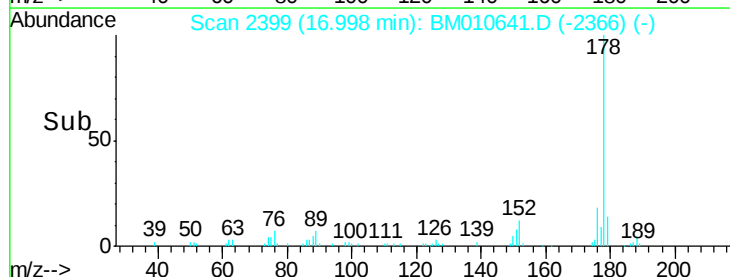
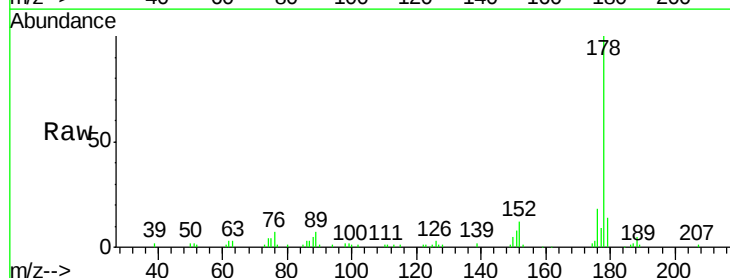
Tgt Ion:178 Resp: 88904

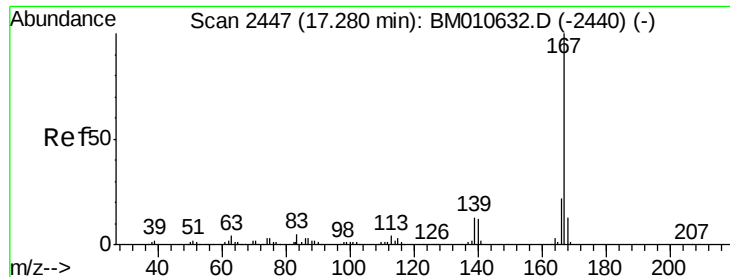
Ion	Ratio	Lower	Upper
178	100		
179	13.8	11.7	17.5
176	18.0	14.6	21.8

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

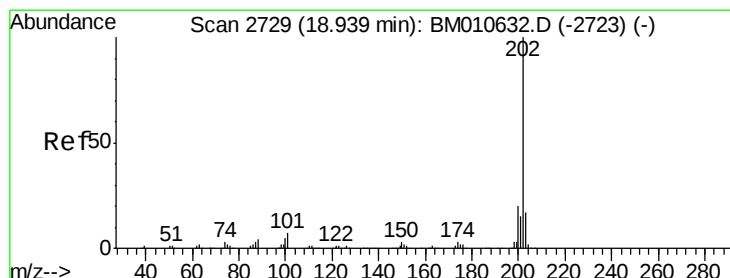
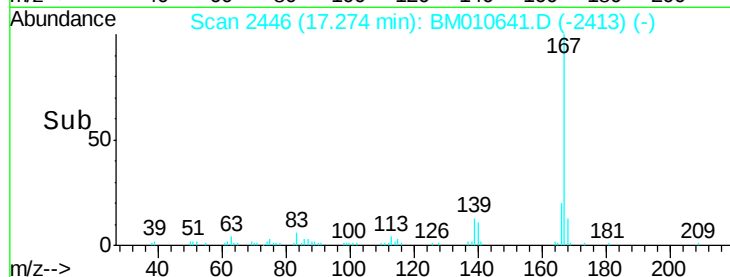
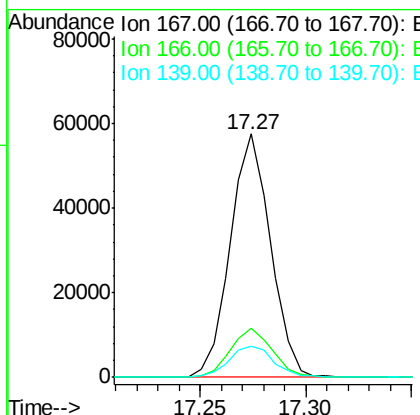
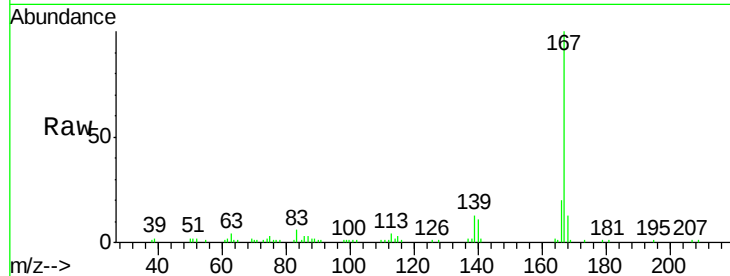




#72
 Carbazole
 Concen: 3.21 ng/ul
 RT: 17.27 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: BM010641.D
 Acq: 22 Jun 2017 02:03

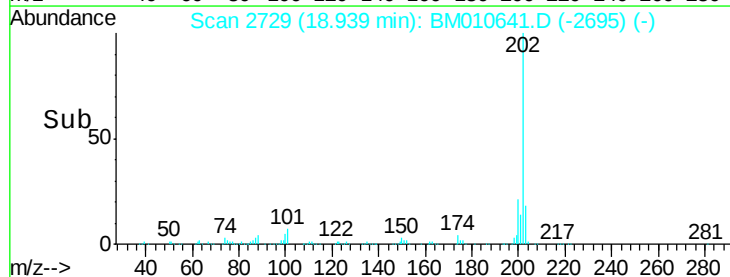
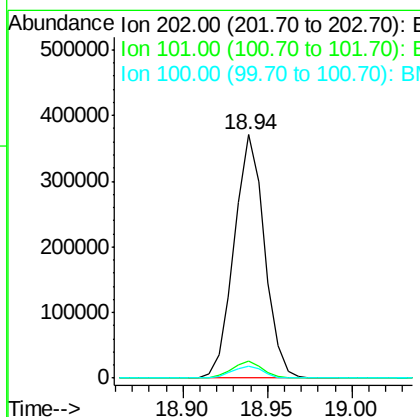
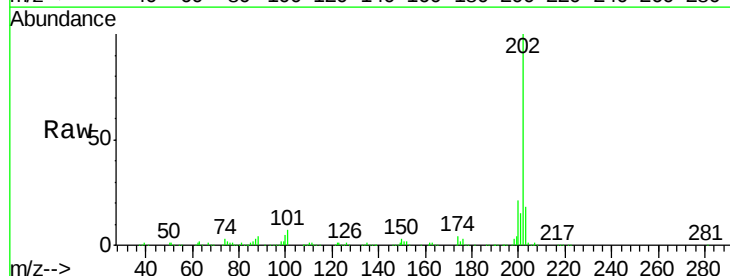
Instrument :
 BNA_M
 ClientSampleId :
 F5E17

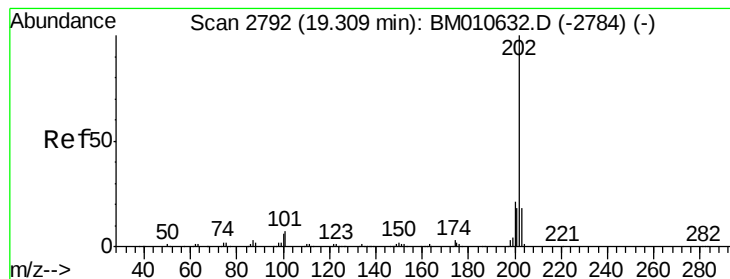
Tgt Ion:167 Resp: 75869
 Ion Ratio Lower Upper
 167 100
 166 20.1 17.1 25.7
 139 12.8 10.0 15.0



#74
 Fluoranthene
 Concen: 13.67 ng/ul
 RT: 18.94 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: BM010641.D
 Acq: 22 Jun 2017 02:03

Tgt Ion:202 Resp: 463652
 Ion Ratio Lower Upper
 202 100
 101 7.1 4.6 7.0#
 100 4.7 3.4 5.2





#77

Pyrene

Concen: 8.52 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. -0.00 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

Instrument :

BNA_M

ClientSampleId :

F5E17

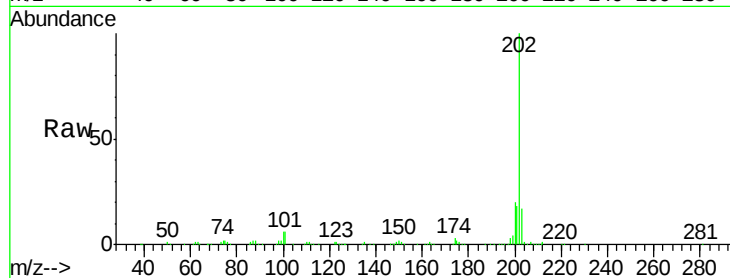
Tgt Ion:202 Resp: 302308

Ion Ratio Lower Upper

202 100

101 6.5 5.1 7.7

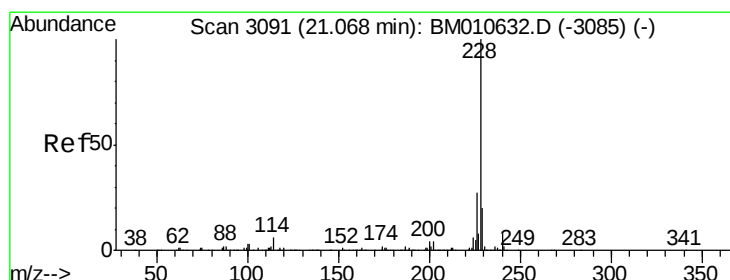
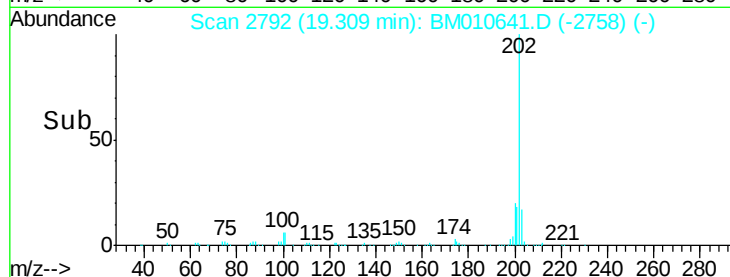
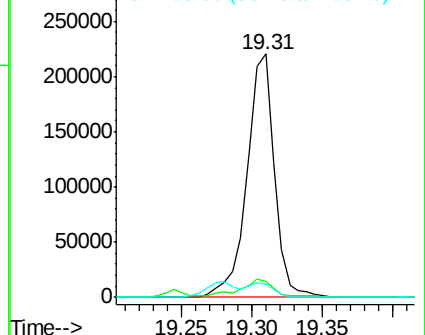
100 5.6 4.9 7.3



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: 2.75 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. -0.00 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

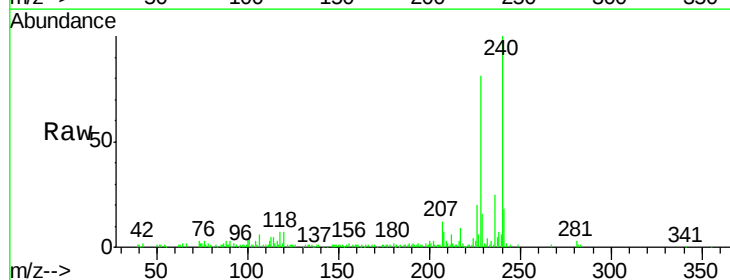
Tgt Ion:228 Resp: 98240

Ion Ratio Lower Upper

228 100

229 19.2 15.4 23.0

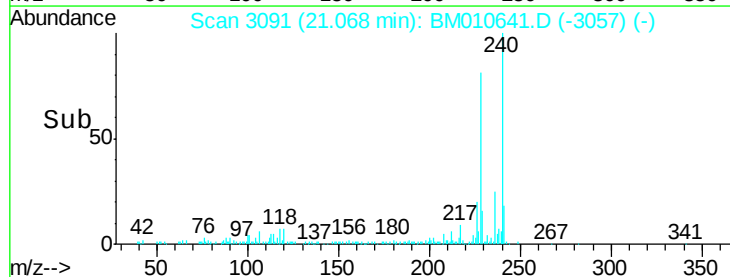
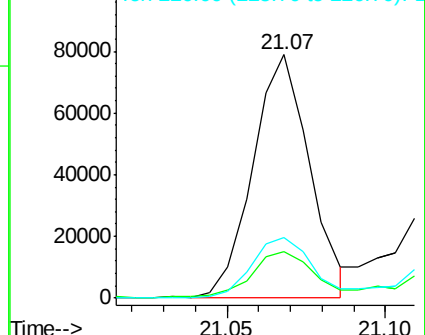
226 25.1 21.4 32.0

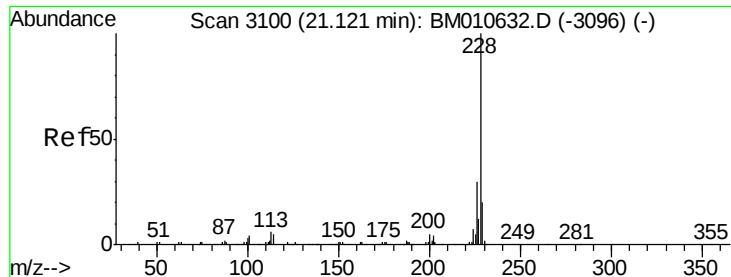


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 2.24 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. -0.00 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

Instrument :

BNA_M

ClientSampleId :

F5E17

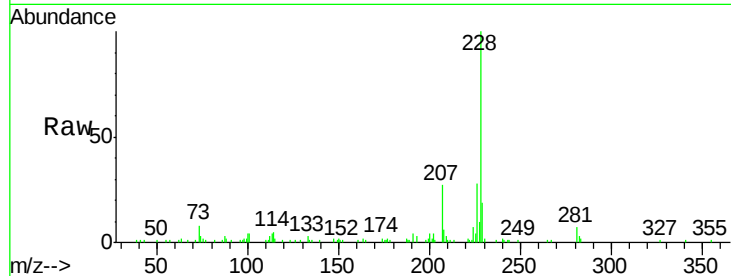
Tgt Ion:228 Resp: 71548

Ion Ratio Lower Upper

228 100

226 28.0 23.4 35.2

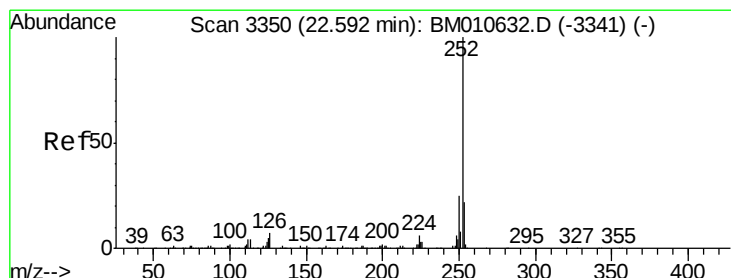
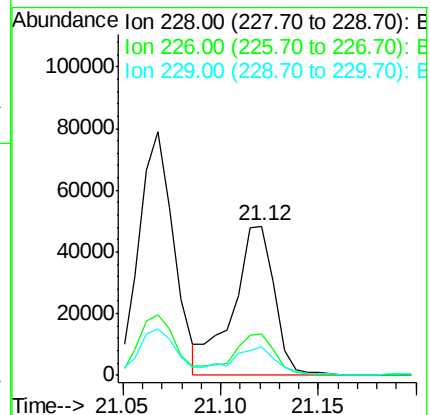
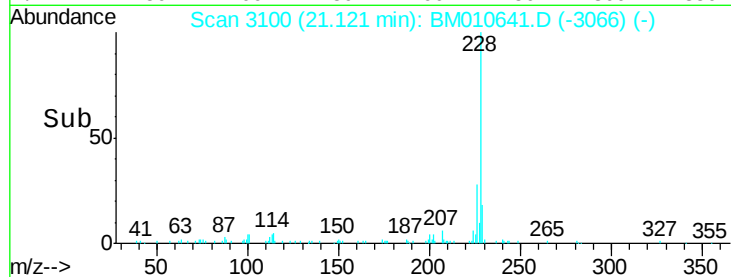
229 19.4 15.5 23.3



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: 1.38 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.01 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

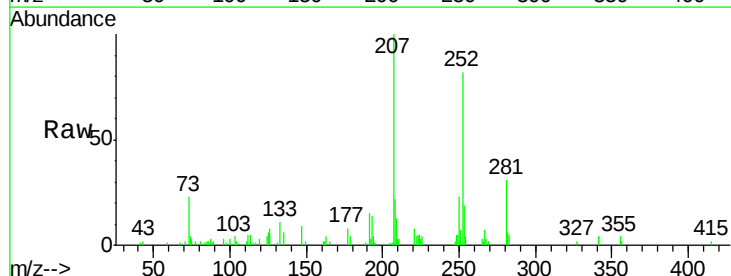
Tgt Ion:252 Resp: 46268

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

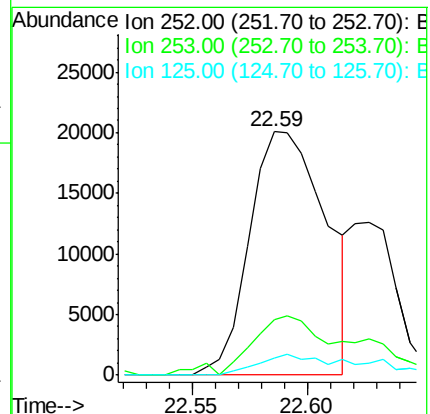
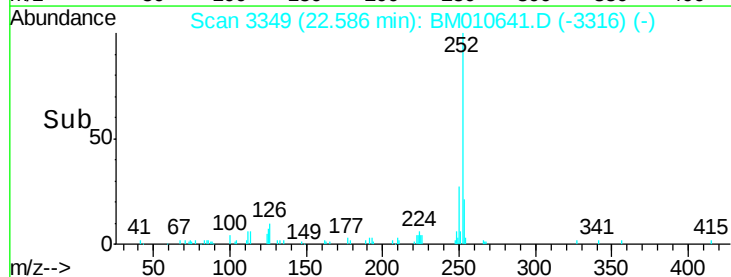
125 7.2 3.6 5.4#

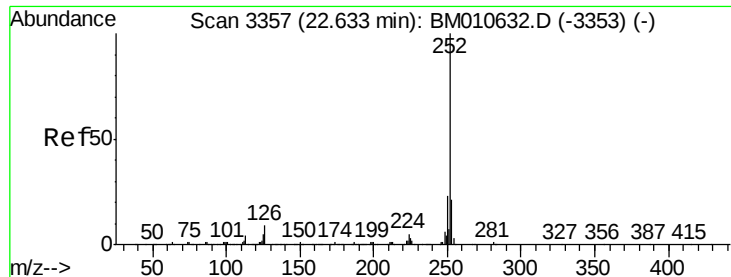


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 1.46 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.05 min

Lab File: BM010641.D

Acq: 22 Jun 2017 02:03

Instrument :

BNA_M

ClientSampleId :

F5E17

Tgt Ion:252 Resp: 46268

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 7.2 3.4 5.2#

