

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071817\
 Data File : BM010886.D
 Acq On : 19 Jul 2017 00:30
 Operator : SJ/JU
 Sample : I4199-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 3578-CC7

Quant Time: Jul 19 03:54:49 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 12 14:21:16 2017
 Response via : Initial Calibration

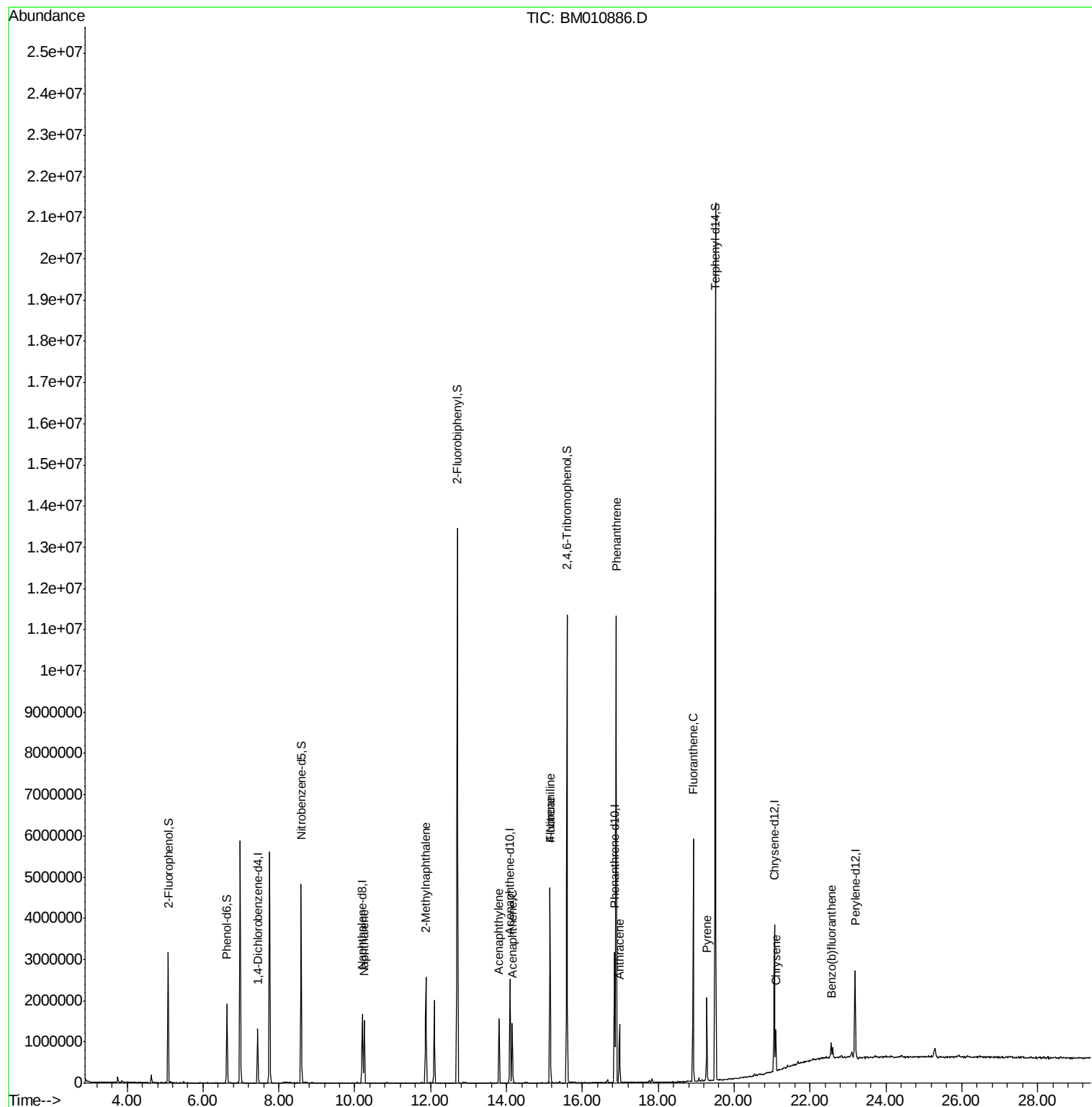
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	273715	20.00	ng	-0.01
21) Naphthalene-d8	10.20	136	1105875	20.00	ng	-0.01
38) Acenaphthene-d10	14.09	164	733955	20.00	ng	0.00
63) Phenanthrene-d10	16.84	188	1729334	20.00	ng	0.00
75) Chrysene-d12	21.06	240	1698066	20.00	ng	0.00
86) Perylene-d12	23.19	264	1470554	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	1002442	60.67	ng	0.00
7) Phenol-d6	6.63	99	847436	37.20	ng	0.00
23) Nitrobenzene-d5	8.59	82	2691047	93.53	ng	0.00
41) 2,4,6-Tribromophenol	15.60	330	1764272	157.30	ng	0.00
44) 2-Fluorobiphenyl	12.70	172	5999314	101.69	ng	0.00
78) Terphenyl-d14	19.51	244	8479283	96.58	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.25	128	1012141	18.00	ng	99
37) 2-Methylnaphthalene	11.87	142	1014648	25.12	ng	# 90
48) Acenaphthylene	13.81	152	979630	14.05	ng	99
51) Acenaphthene	14.16	154	469824	11.03	ng	98
57) Fluorene	15.15	166	1919278	32.39	ng	97
61) 4-Nitroaniline	15.14	138	25585	2.20	ng	# 33
70) Phenanthrene	16.89	178	6178291	68.67	ng	99
71) Anthracene	16.98	178	805785	9.02	ng	98
74) Fluoranthene	18.92	202	3471452	31.16	ng	97
77) Pyrene	19.28	202	1193921	12.13	ng	99
82) Chrysene	21.10	228	488919	5.22	ng	98
87) Benzo(b)fluoranthene	22.56	252	240626	2.58	ng	# 91

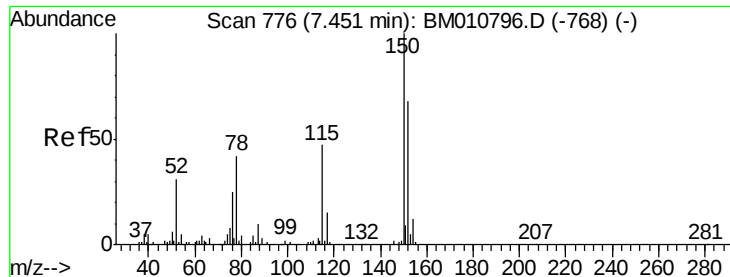
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.44 min Scan# 774

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Instrument :

BNA_M

ClientSampleId :

3578-CC7

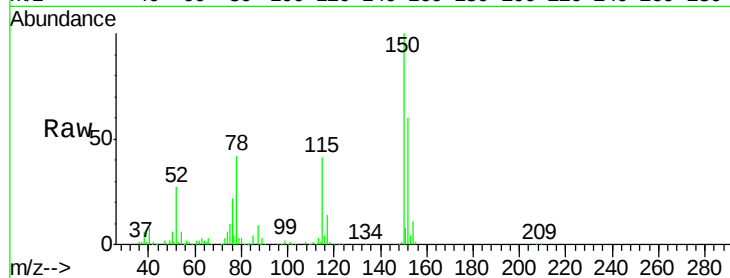
Tot Ion:152 Resp: 273715

Ion Ratio Lower Upper

152 100

150 165.5 119.5 179.3

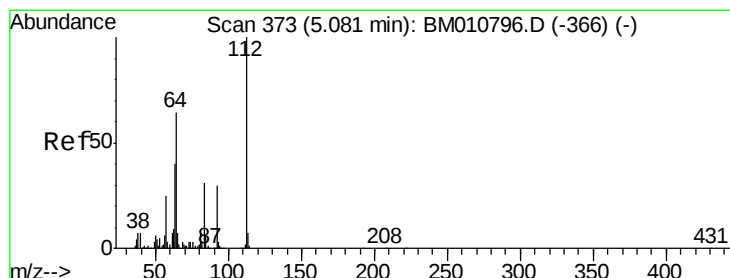
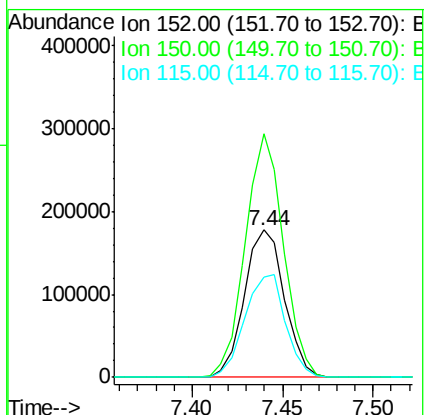
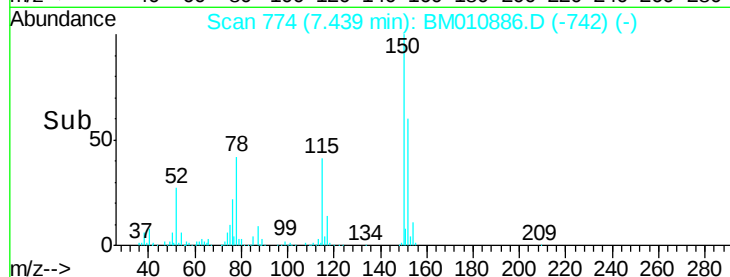
115 68.3 43.0 64.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 60.67 ng

RT: 5.08 min Scan# 373

Delta R.T. 0.00 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

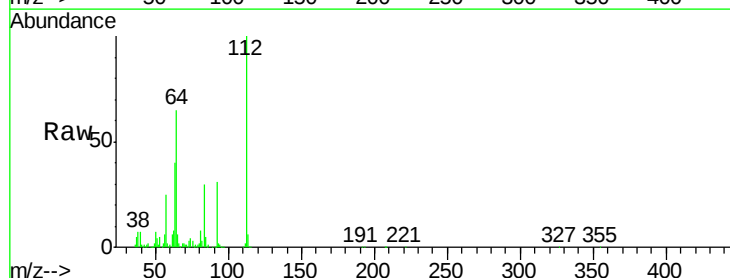
Tgt Ion:112 Resp: 1002442

Ion Ratio Lower Upper

112 100

64 65.1 38.6 57.8#

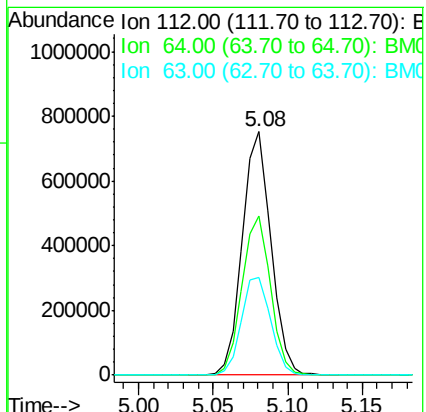
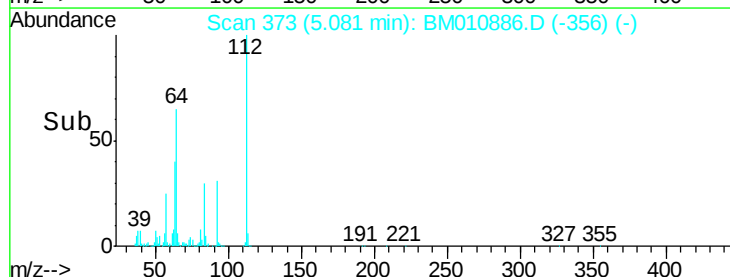
63 40.2 19.3 28.9#

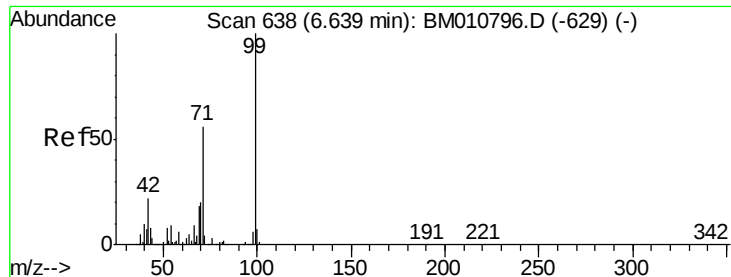


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 37.20 ng

RT: 6.63 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Instrument :

BNA_M

ClientSampleId :

3578-CC7

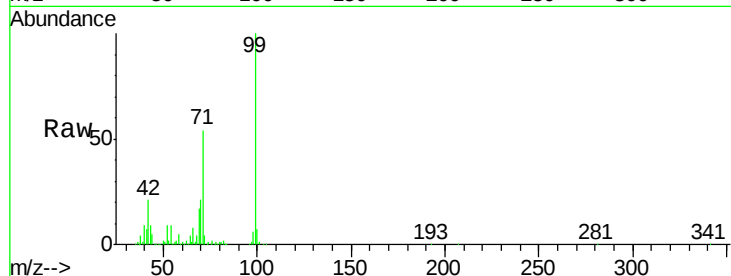
Tot Ion: 99 Resp: 847436

Ion Ratio Lower Upper

99 100

42 21.4 11.0 16.4#

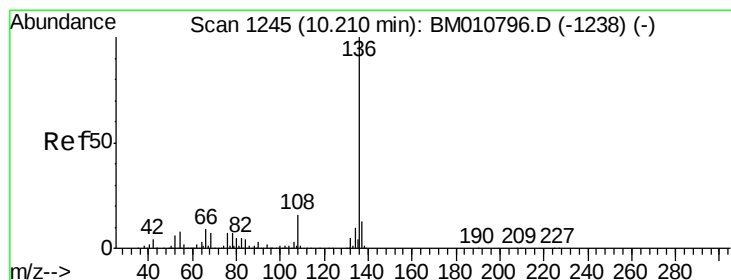
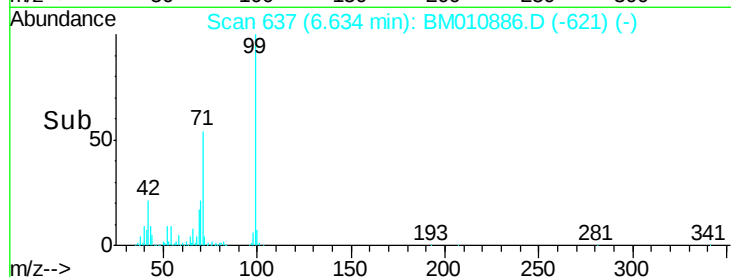
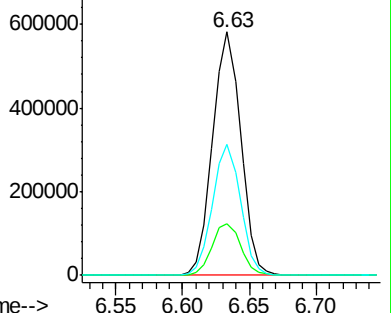
71 53.7 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010796.D (-629) (-)

Ion 42.00 (41.70 to 42.70): BM010796.D (-629) (-)

Ion 71.00 (70.70 to 71.70): BM010796.D (-629) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.20 min Scan# 1243

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Tgt Ion: 136 Resp: 1105875

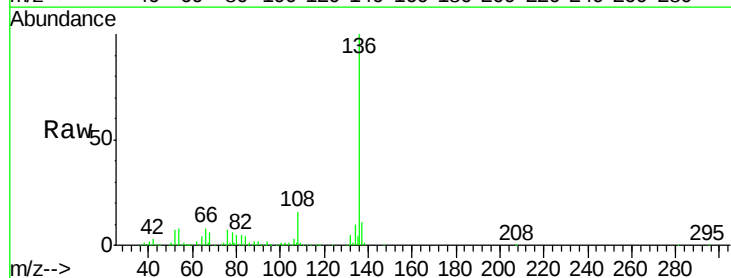
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 8.1 4.6 6.8#

68 5.9 3.7 5.5#

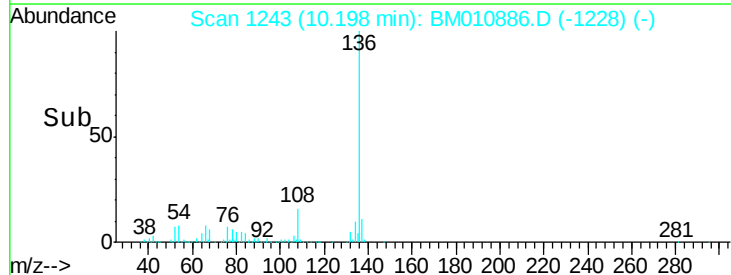
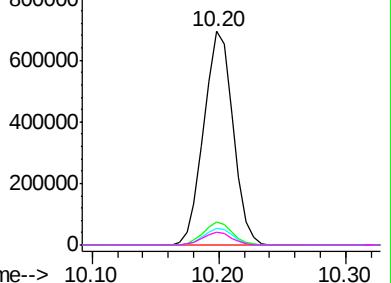


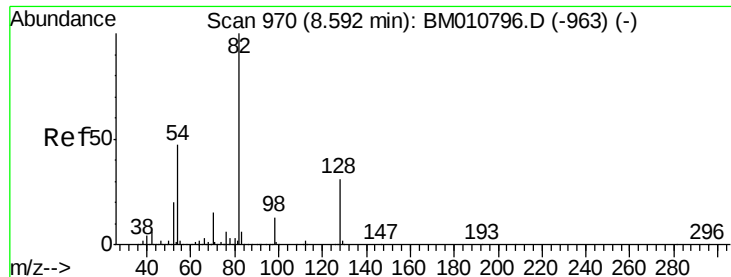
Abundance Ion 136.00 (135.70 to 136.70): BM010796.D (-1238) (-)

Ion 137.00 (136.70 to 137.70): BM010796.D (-1238) (-)

Ion 54.00 (53.70 to 54.70): BM010796.D (-1238) (-)

Ion 68.00 (67.70 to 68.70): BM010796.D (-1238) (-)





#23

Nitrobenzene-d5

Concen: 93.53 ng

RT: 8.59 min Scan# 969

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Instrument :

BNA_M

ClientSampleId :

3578-CC7

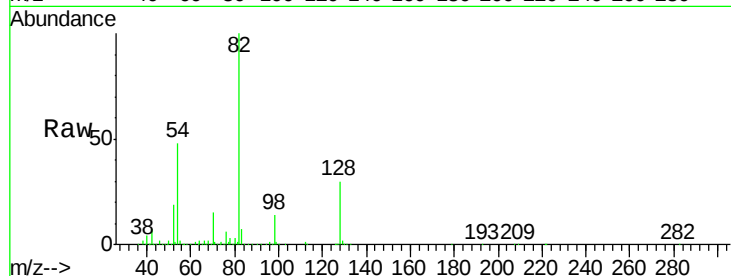
Tot Ion: 82 Resp: 2691047

Ion Ratio Lower Upper

82 100

128 30.4 32.8 49.2#

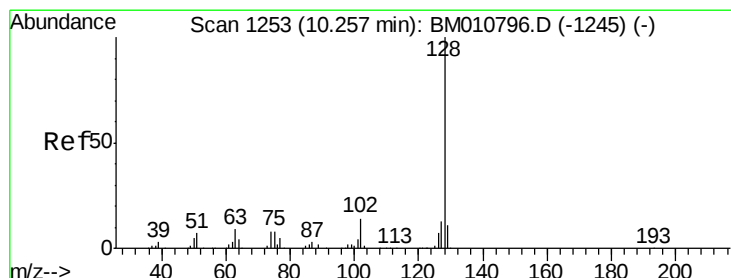
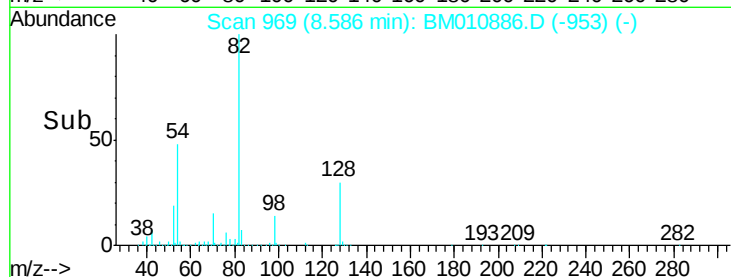
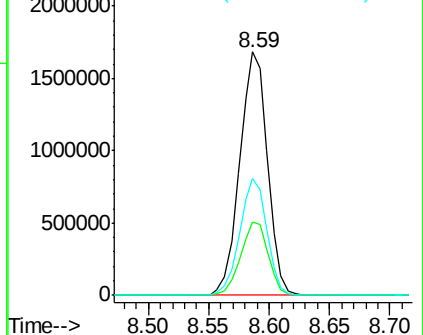
54 47.9 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BM010796.D (-963) (-)

Ion 128.00 (127.70 to 128.70): BM010796.D (-963) (-)

Ion 54.00 (53.70 to 54.70): BM010796.D (-963) (-)



#31

Naphthalene

Concen: 18.00 ng

RT: 10.25 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

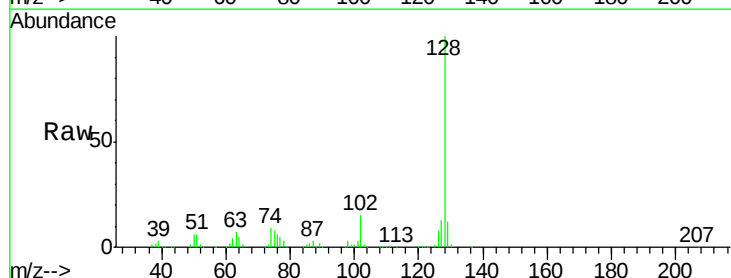
Tgt Ion: 128 Resp: 1012141

Ion Ratio Lower Upper

128 100

129 12.0 8.9 13.3

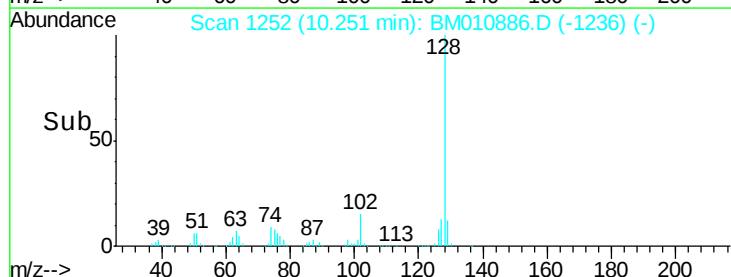
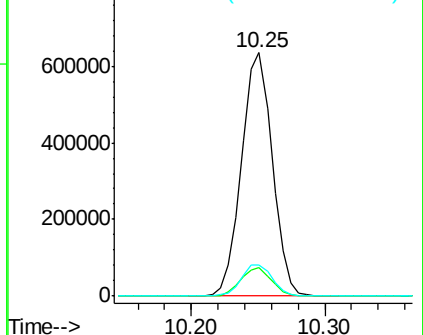
127 12.7 10.4 15.6

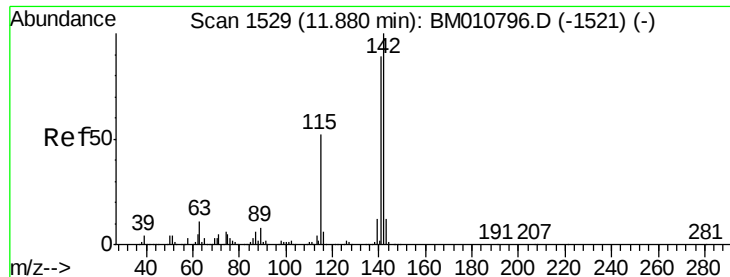


Abundance Ion 128.00 (127.70 to 128.70): BM010796.D (-1245) (-)

Ion 129.00 (128.70 to 129.70): BM010796.D (-1245) (-)

Ion 127.00 (126.70 to 127.70): BM010796.D (-1245) (-)

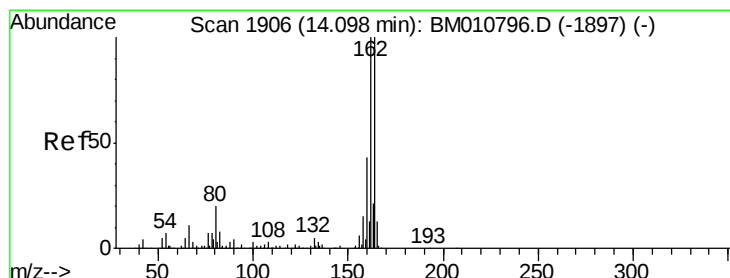
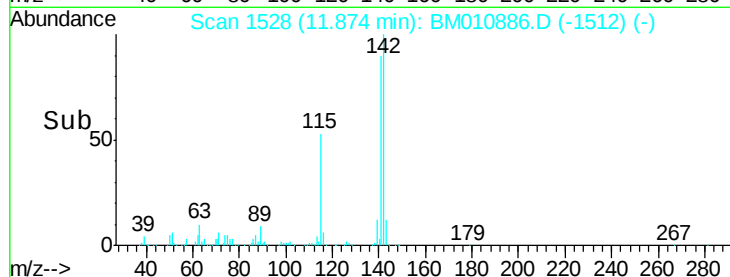
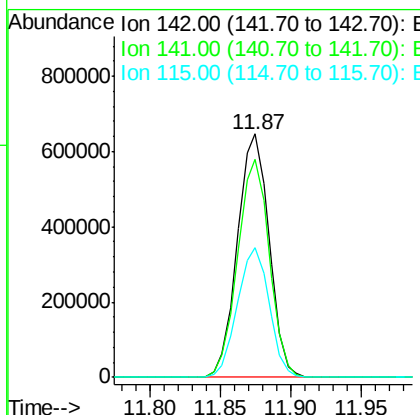
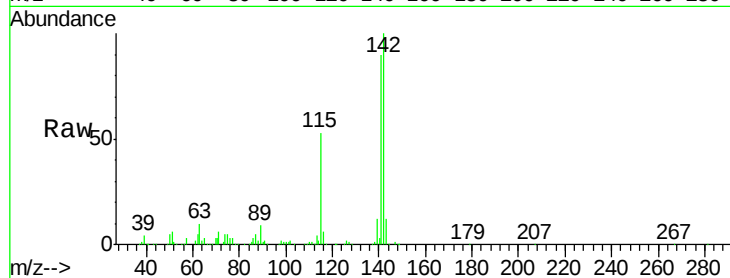




#37
2-Methylnaphthalene
Concen: 25.12 ng
RT: 11.87 min Scan# 1528
Delta R.T. -0.01 min
Lab File: BM010886.D
Acq: 19 Jul 2017 00:30

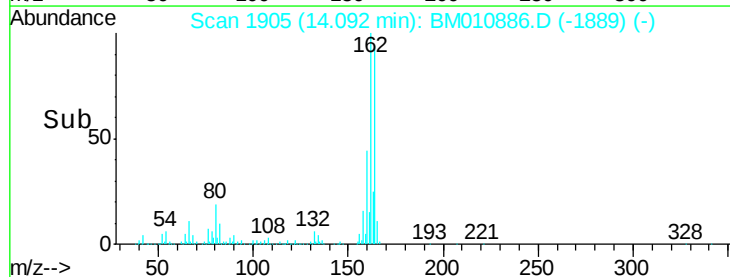
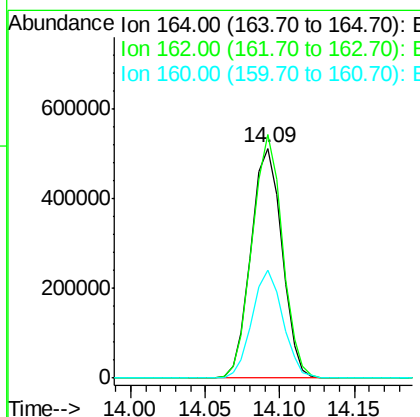
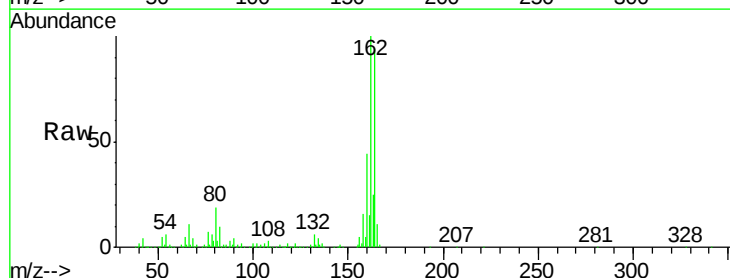
Instrument :
BNA_M
ClientSampleId :
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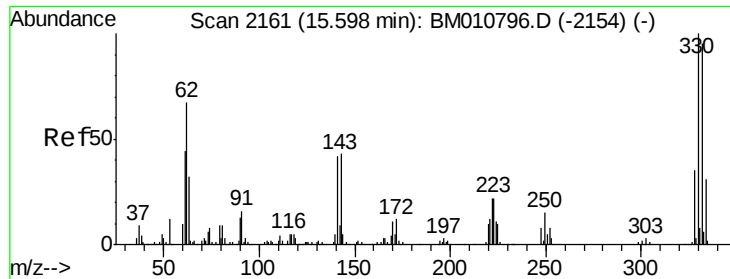
Tot Ion:142 Resp: 1014648
Ion Ratio Lower Upper
142 100
141 89.6 71.9 107.9
115 53.0 25.4 38.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.09 min Scan# 1905
Delta R.T. -0.01 min
Lab File: BM010886.D
Acq: 19 Jul 2017 00:30

Tgt Ion:164 Resp: 733955
Ion Ratio Lower Upper
164 100
162 106.1 82.4 123.6
160 46.9 35.8 53.6

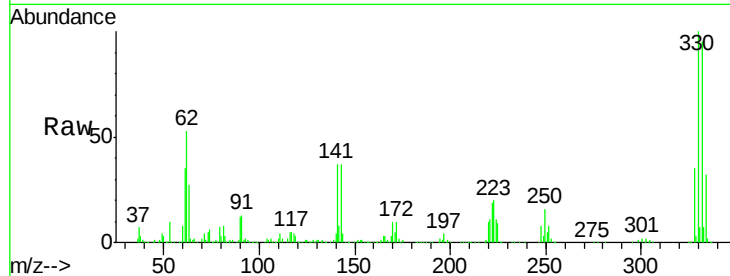




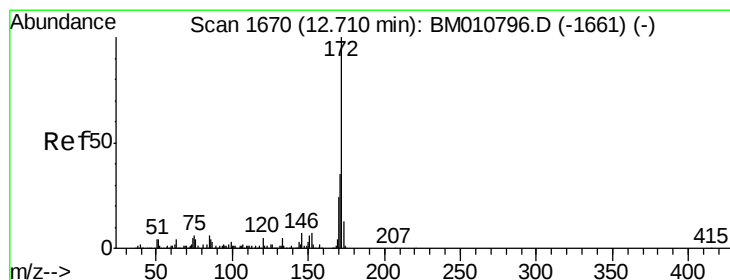
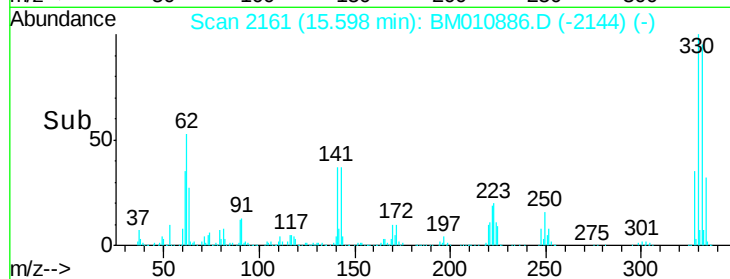
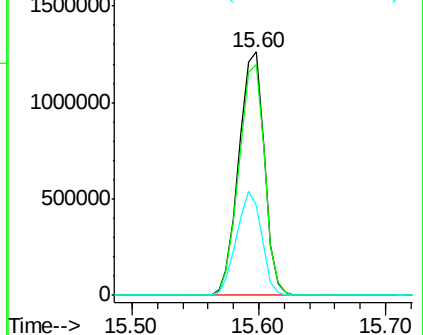
#41
 2,4,6-Tribromophenol
 Concen: 157.30 ng
 RT: 15.60 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BM010886.D
 Acq: 19 Jul 2017 00:30

Instrument :
 BNA_M
 ClientSampleId :
 3578-CC7

Tot Ion:330 Resp: 1764272
 Ion Ratio Lower Upper
 330 100
 332 95.4 0.0 0.0#
 141 41.9 0.0 0.0#

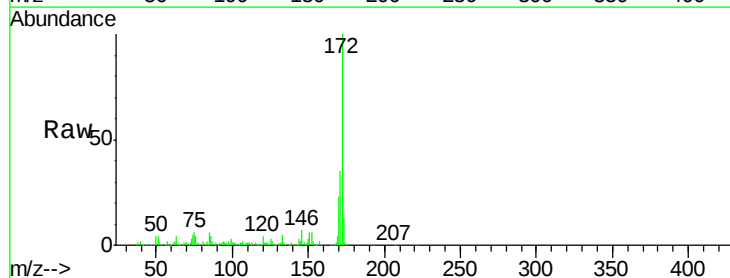


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

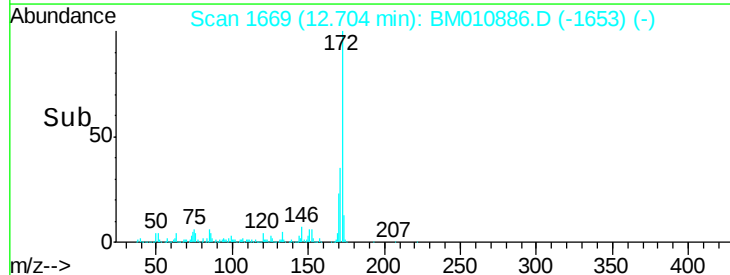
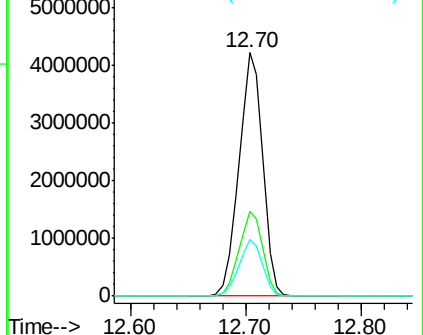


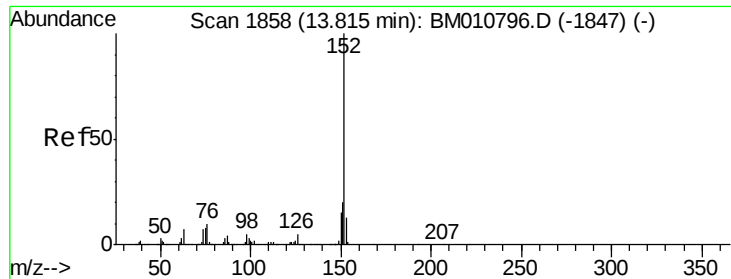
#44
 2-Fluorobiphenyl
 Concen: 101.69 ng
 RT: 12.70 min Scan# 1669
 Delta R.T. -0.01 min
 Lab File: BM010886.D
 Acq: 19 Jul 2017 00:30

Tgt Ion:172 Resp: 5999314
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.5 42.7
 170 23.1 18.8 28.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 14.05 ng

RT: 13.81 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Instrument :

BNA_M

ClientSampleId :

3578-CC7

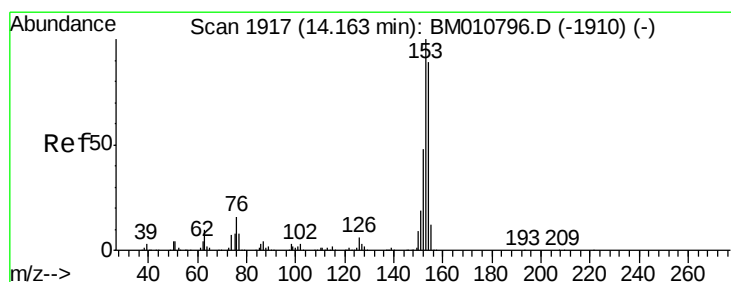
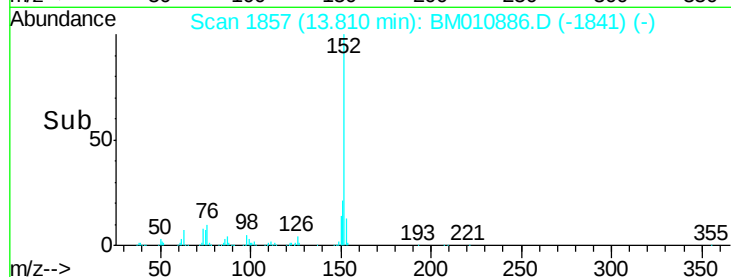
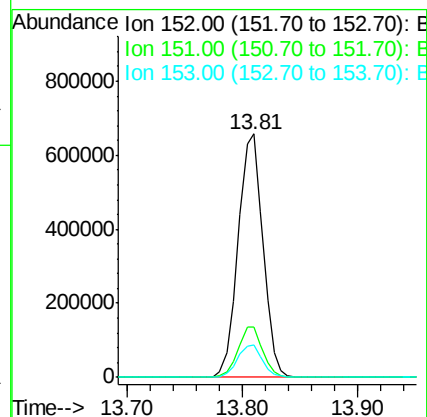
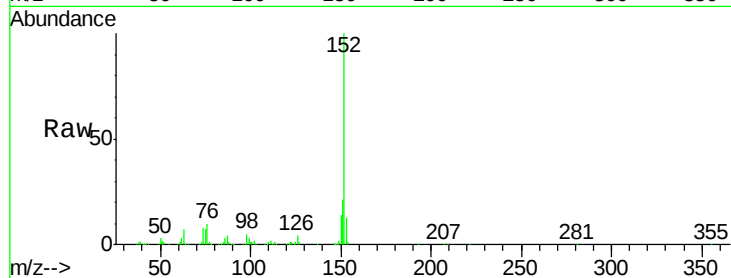
Tot Ion:152 Resp: 979630

Ion Ratio Lower Upper

152 100

151 20.7 15.9 23.9

153 13.4 10.6 16.0



#51

Acenaphthene

Concen: 11.03 ng

RT: 14.16 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

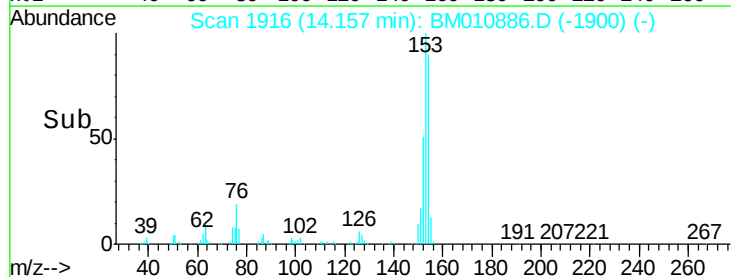
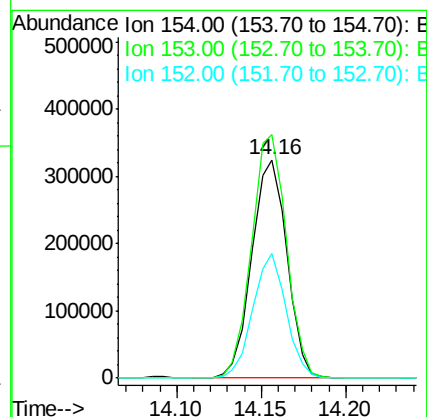
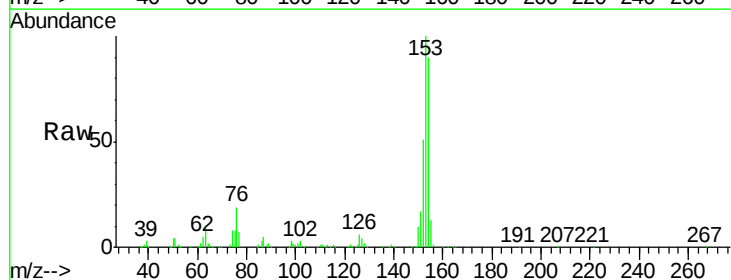
Tgt Ion:154 Resp: 469824

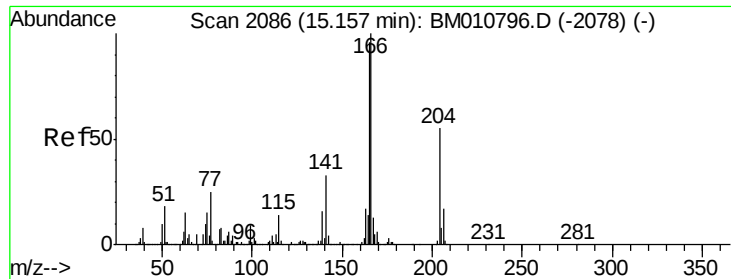
Ion Ratio Lower Upper

154 100

153 111.7 90.0 135.0

152 56.9 42.6 63.8

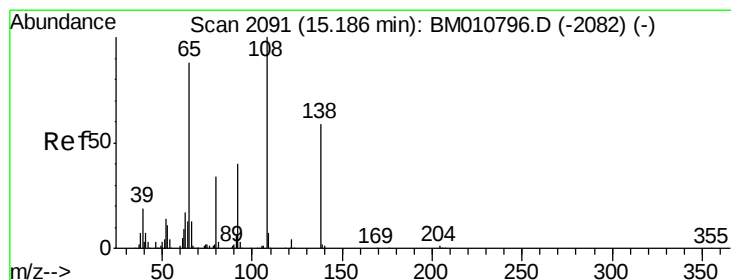
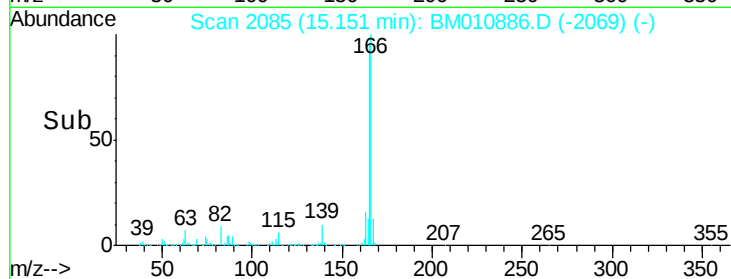
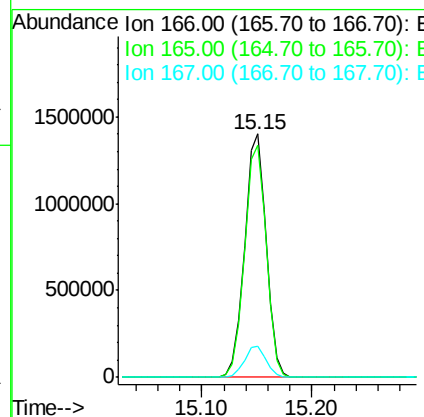
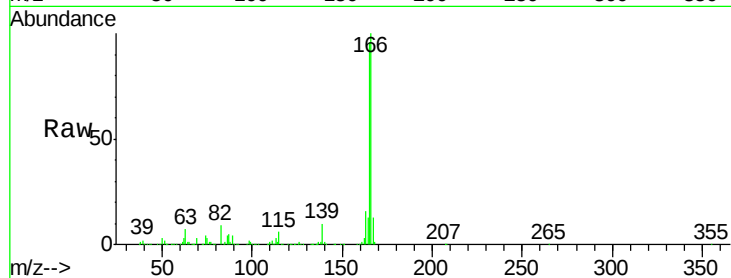




#57
Fluorene
 Concen: 32.39 ng
 RT: 15.15 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BM010886.D
 Acq: 19 Jul 2017 00:30

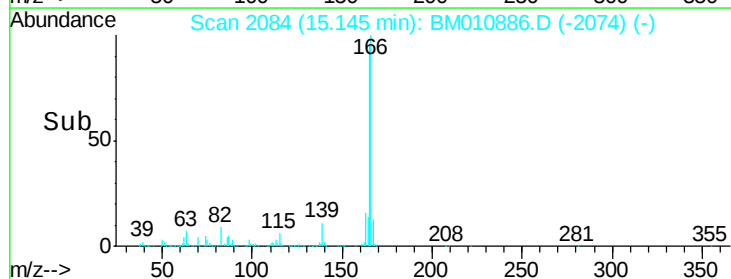
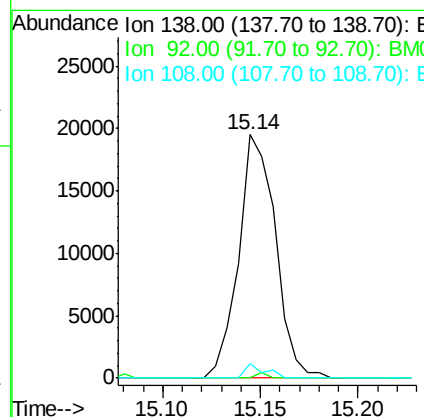
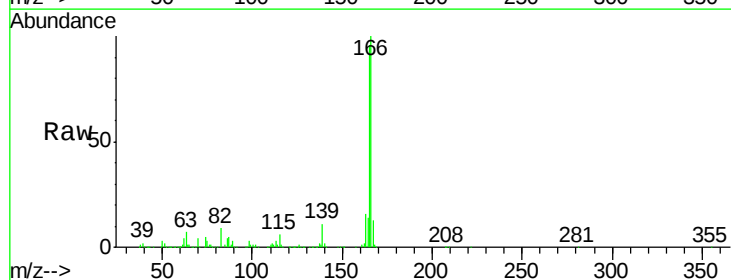
Instrument :
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 ClientSampleId :
 3578-CC7

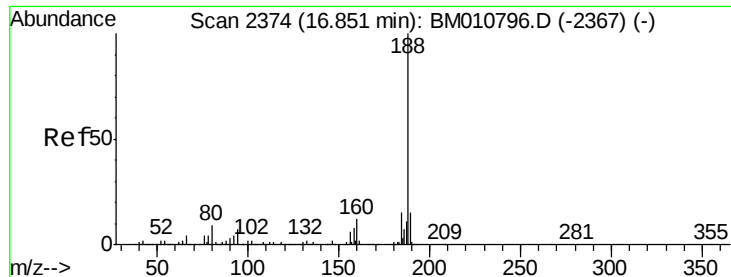
Tot Ion:166 Resp: 1919278
 Ion Ratio Lower Upper
 166 100
 165 95.5 79.0 118.4
 167 13.0 10.3 15.5



#61
4-Nitroaniline
 Concen: 2.20 ng
 RT: 15.14 min Scan# 2084
 Delta R.T. -0.04 min
 Lab File: BM010886.D
 Acq: 19 Jul 2017 00:30

Tgt Ion:138 Resp: 25585
 Ion Ratio Lower Upper
 138 100
 92 0.0 16.7 56.7#
 108 5.7 37.6 77.6#

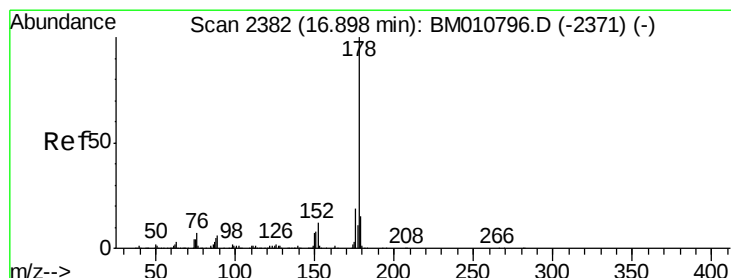
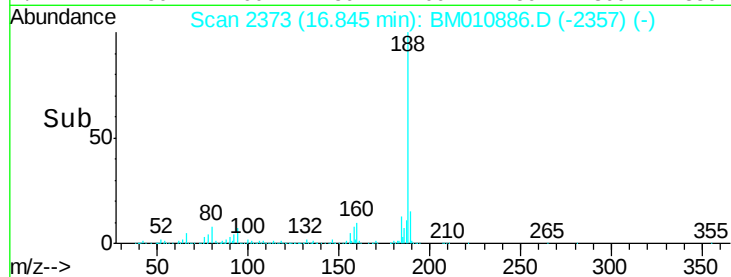
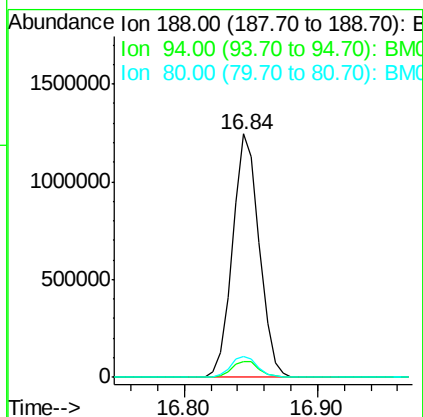
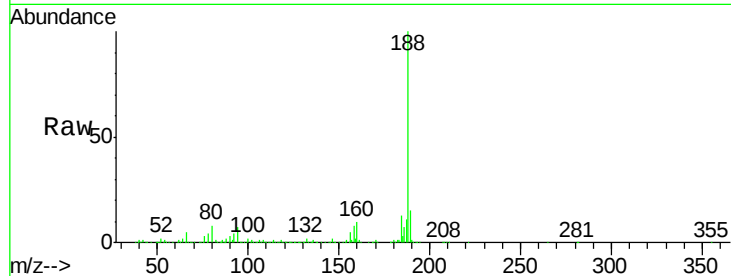




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.84 min Scan# 2373
Delta R.T. -0.01 min
Lab File: BM010886.D
Acq: 19 Jul 2017 00:30

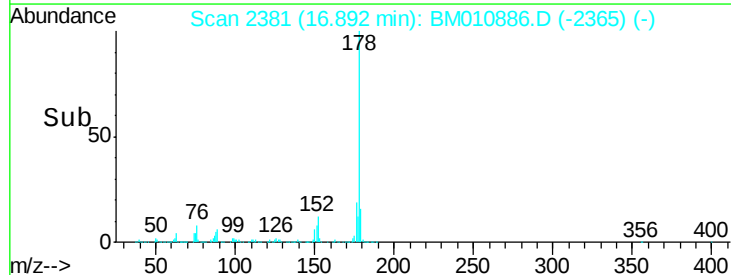
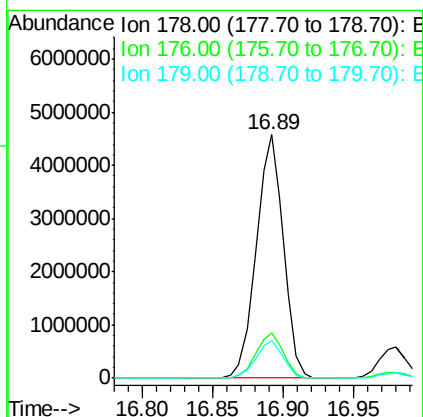
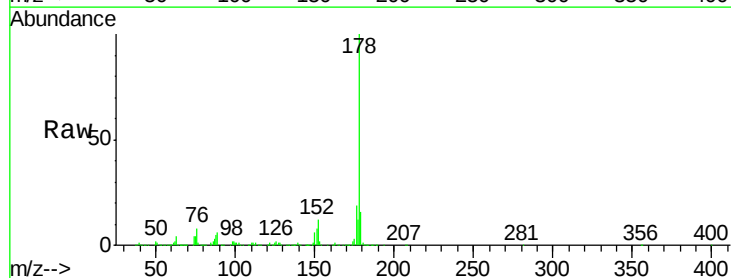
Instrument :
BNA_M
ClientSampleId :
3578-CC7

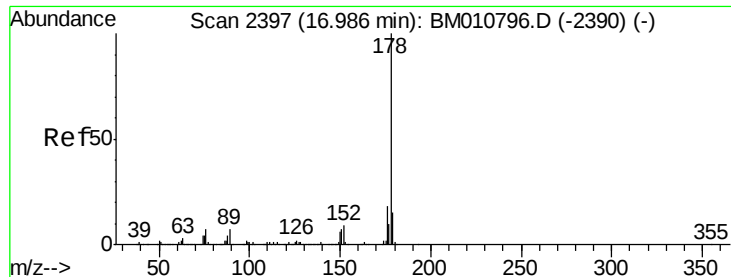
Tot Ion:188 Resp: 1729334
Ion Ratio Lower Upper
188 100
94 6.7 8.7 13.1#
80 8.3 9.3 13.9#



#70
Phenanthrene
Concen: 68.67 ng
RT: 16.89 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM010886.D
Acq: 19 Jul 2017 00:30

Tgt Ion:178 Resp: 6178291
Ion Ratio Lower Upper
178 100
176 18.8 15.2 22.8
179 15.6 12.1 18.1





#71

Anthracene

Concen: 9.02 ng

RT: 16.98 min Scan# 2396

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Instrument :

BNA_M

ClientSampleId :

3578-CC7

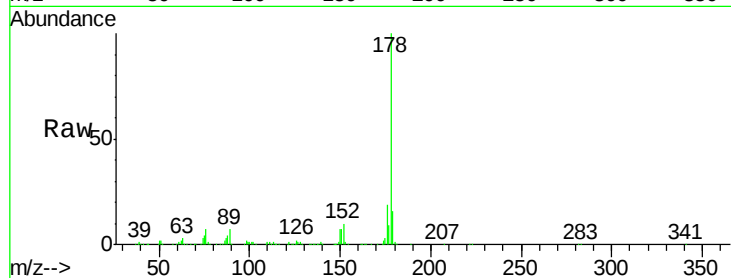
Tot Ion:178 Resp: 805785

Ion Ratio Lower Upper

178 100

176 19.5 14.6 22.0

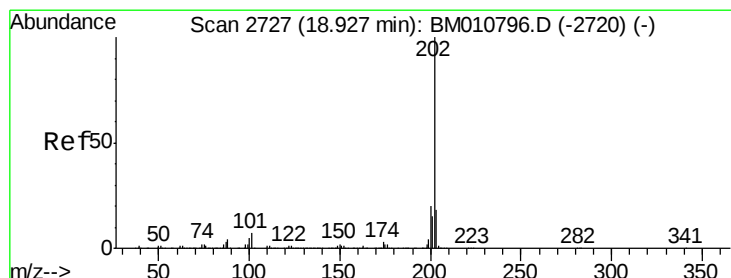
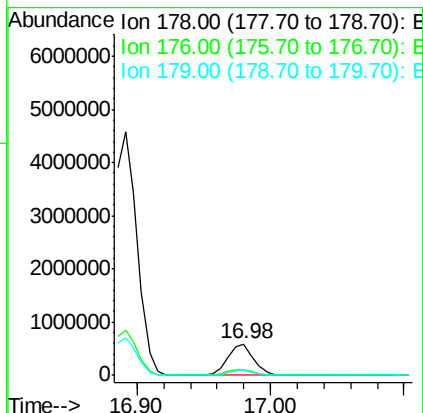
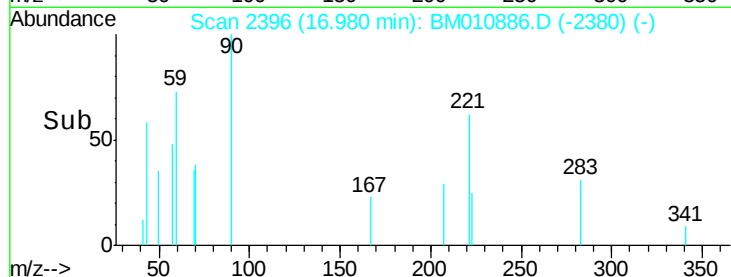
179 15.9 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 31.16 ng

RT: 18.92 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

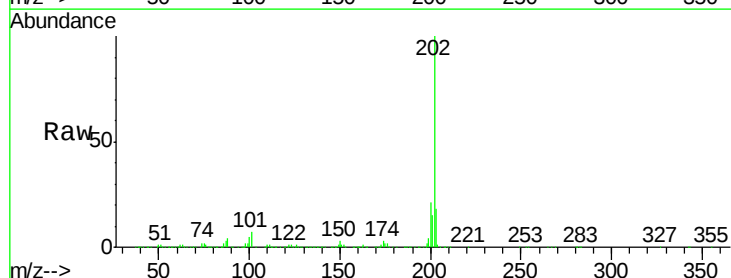
Tgt Ion:202 Resp: 3471452

Ion Ratio Lower Upper

202 100

101 6.5 0.0 28.7

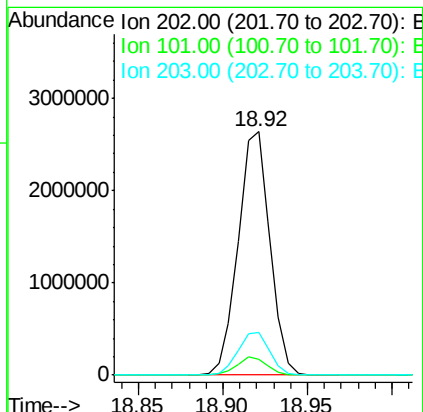
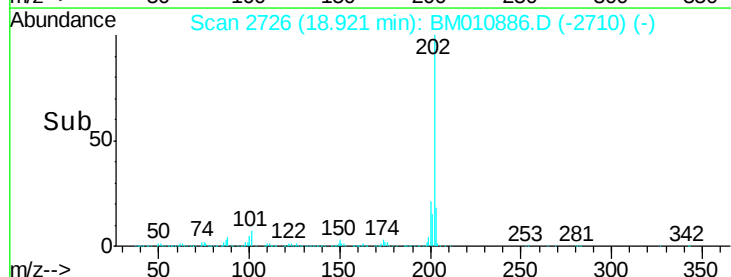
203 17.7 0.0 37.2

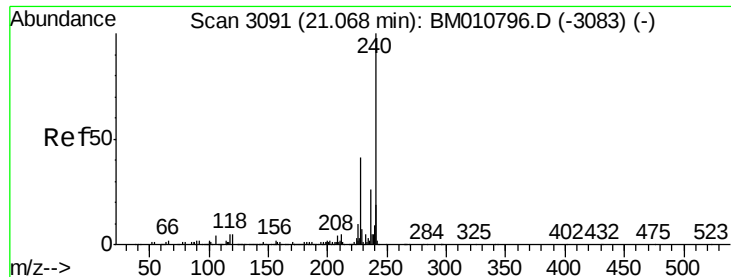


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Instrument :

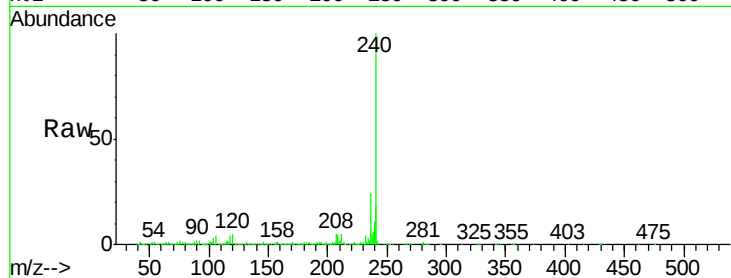
BNA_M

ClientSampleId :

3578-CC7

Tot Ion:240 Resp: 1698066

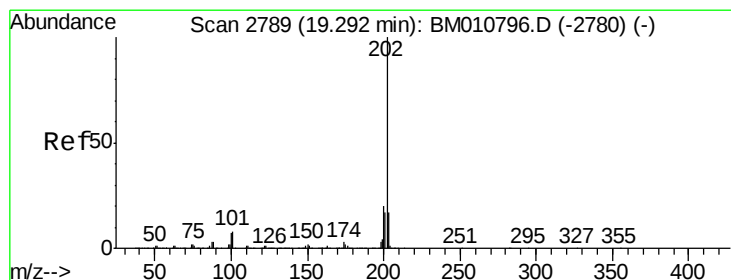
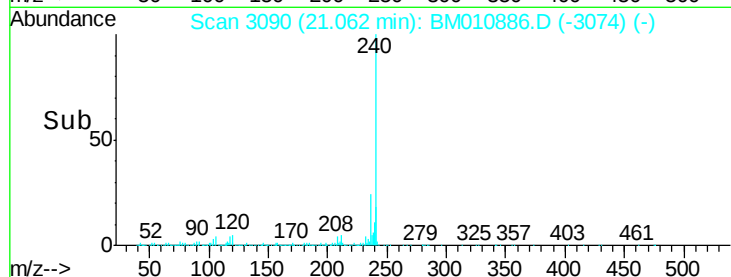
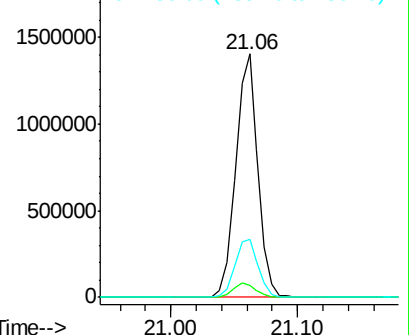
Ion	Ratio	Lower	Upper
240	100		
120	5.1	8.2	12.2#
236	24.0	20.0	30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 12.13 ng

RT: 19.28 min Scan# 2787

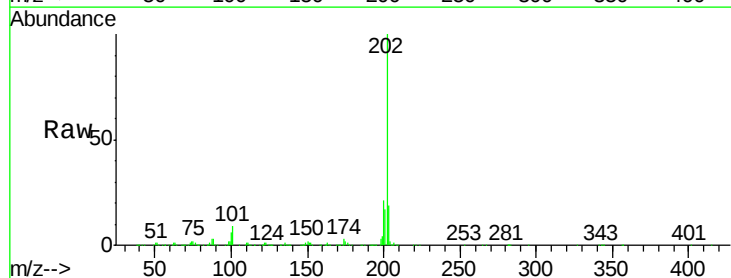
Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Tgt Ion:202 Resp: 1193921

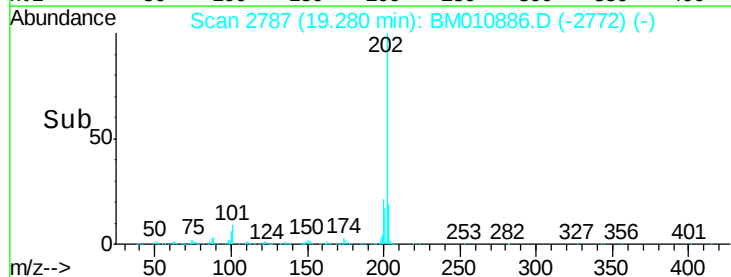
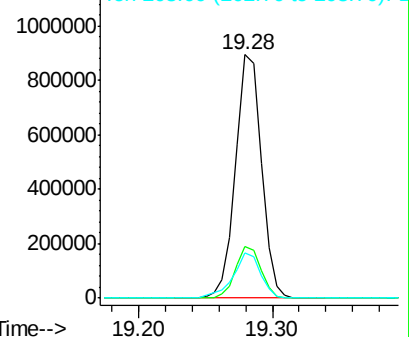
Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	18.6	14.1	21.1

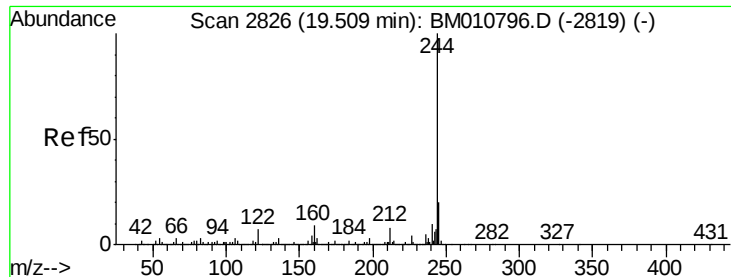


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

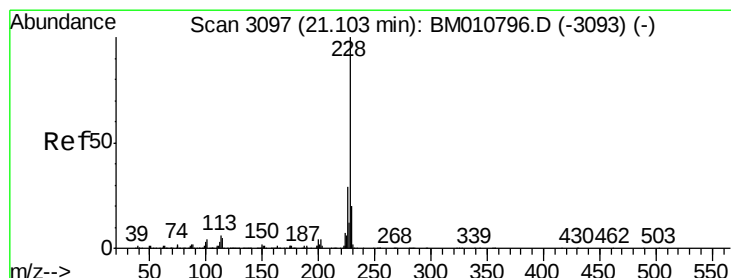
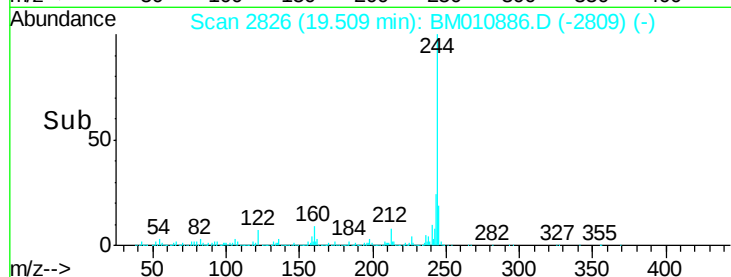
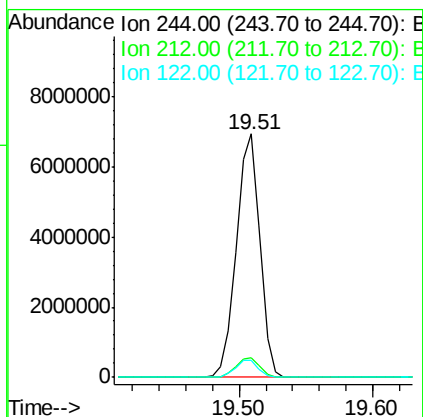
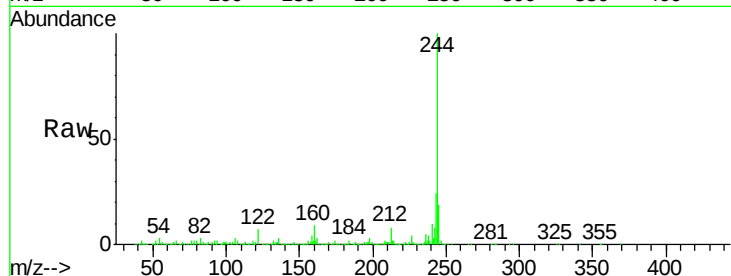




#78
 Terphenyl-d14
 Concen: 96.58 ng
 RT: 19.51 min Scan# 2826
 Delta R.T. -0.00 min
 Lab File: BM010886.D
 Acq: 19 Jul 2017 00:30

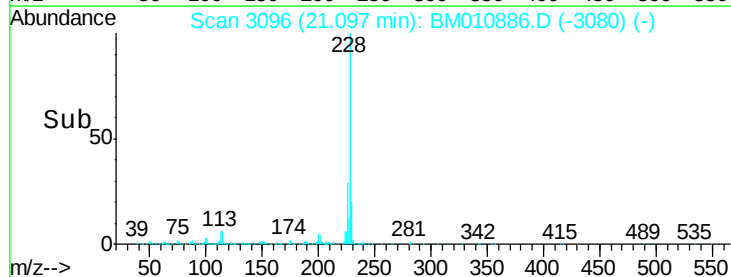
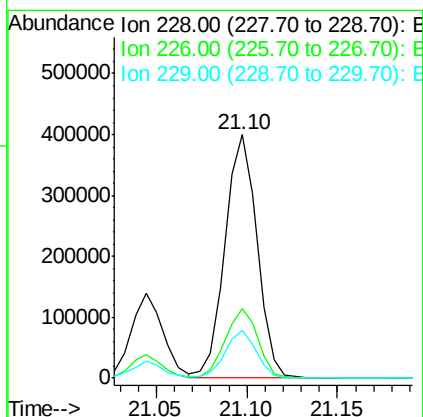
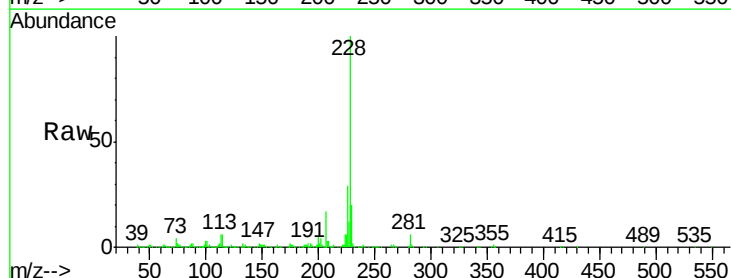
Instrument :
 BNA_M
 ClientSampleId :
 3578-CC7

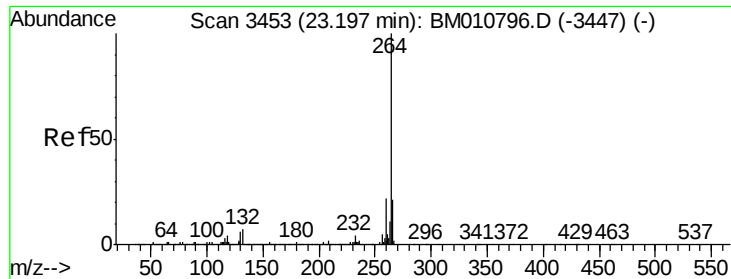
Tot Ion:244 Resp: 8479283
 Ion Ratio Lower Upper
 244 100
 212 8.1 4.9 7.3#
 122 7.0 6.2 9.4



#82
 Chrysene
 Concen: 5.22 ng
 RT: 21.10 min Scan# 3096
 Delta R.T. -0.01 min
 Lab File: BM010886.D
 Acq: 19 Jul 2017 00:30

Tgt Ion:228 Resp: 488919
 Ion Ratio Lower Upper
 228 100
 226 28.6 24.1 36.1
 229 19.6 15.5 23.3



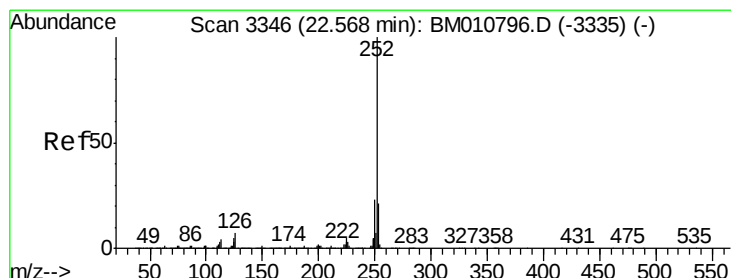
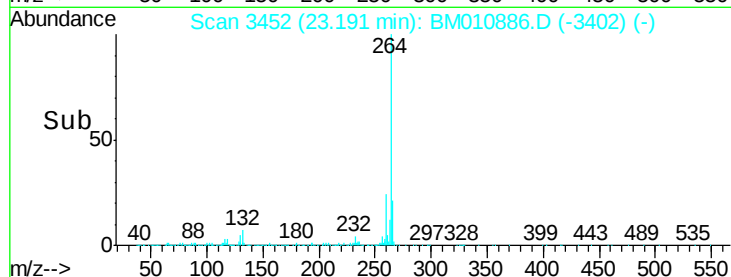
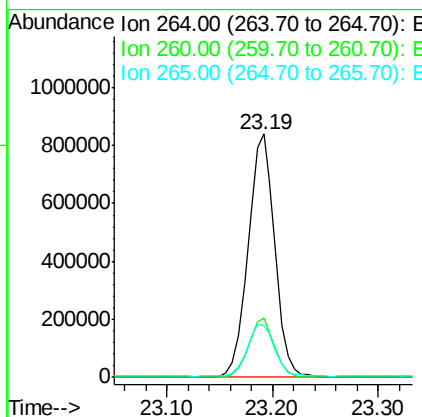
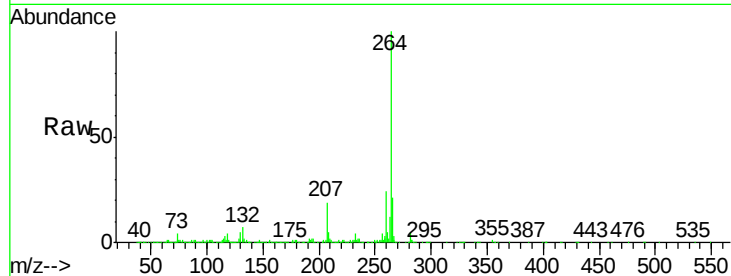


#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.19 min Scan# 3452
Delta R.T. -0.01 min
Lab File: BM010886.D
Acq: 19 Jul 2017 00:30

Instrument :
BNA_M
ClientSampleId :
3578-CC7

Tot Ion:264 Resp: 1470554

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	21.4	17.3	25.9



#87
Benzo(b)fluoranthene
Concen: 2.58 ng
RT: 22.56 min Scan# 3344
Delta R.T. -0.01 min
Lab File: BM010886.D
Acq: 19 Jul 2017 00:30

Tgt Ion:252 Resp: 240626

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.0	27.0
125	4.2	9.9	14.9

