

Data File : BM010931.D
Acq On : 21 Jul 2017 04:41
Operator : SJ/JU
Sample : I4274-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
M-COMB-4

Quant Time: Jul 21 05:40:00 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	7.43	152	195995	20.00	ng	-0.02
21) Naphthalene-d8	10.19	136	749748	20.00	ng	-0.02
38) Acenaphthene-d10	14.08	164	483164	20.00	ng	-0.02
63) Phenanthrene-d10	16.84	188	1166391	20.00	ng	-0.01
75) Chrysene-d12	21.06	240	1183518	20.00	ng	-0.01
86) Perylene-d12	23.19	264	1097073	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	1582279	133.73	ng	0.00
7) Phenol-d6	6.63	99	2006734	123.03	ng	0.00
23) Nitrobenzene-d5	8.58	82	1788593	91.70	ng	-0.01
41) 2,4,6-Tribromophenol	15.59	330	1015817	137.58	ng	-0.01
44) 2-Fluorobiphenyl	12.70	172	3624440	93.32	ng	-0.01
78) Terphenyl-d14	19.50	244	5625364	91.93	ng	0.00
Target Compounds						
76) Benzidine	19.12	184	887039	28.01	ng	Qvalue 98

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

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M-COMB-4

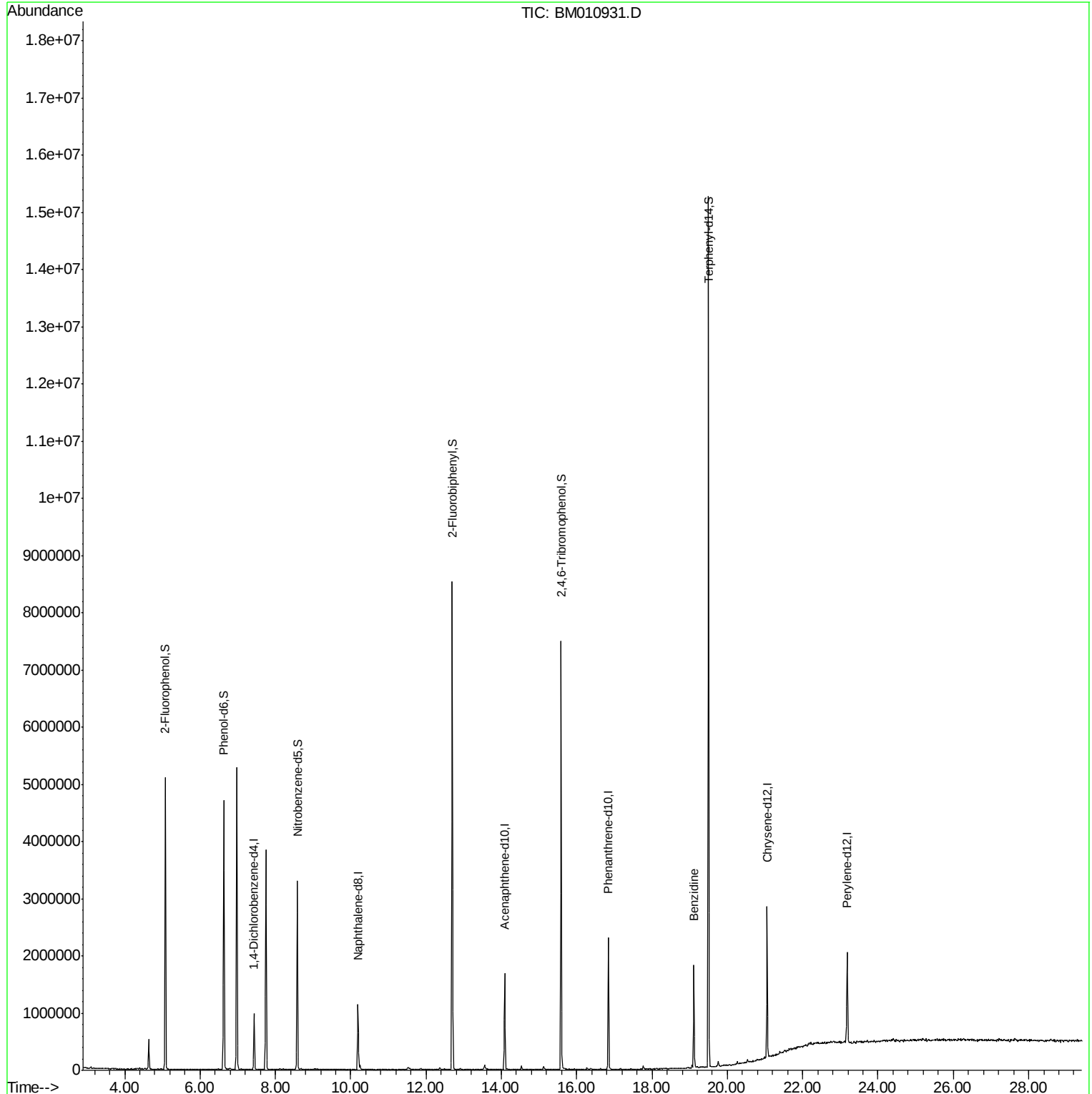
Quant Time: Jul 21 05:40:00 2017

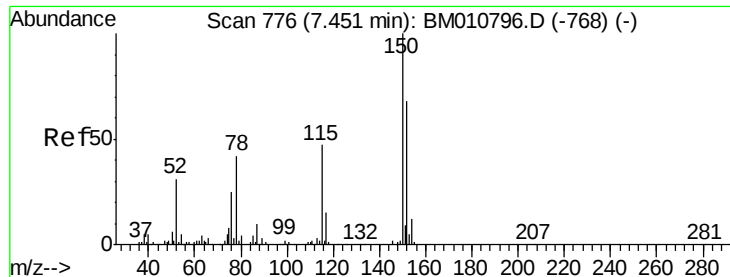
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM071217.M

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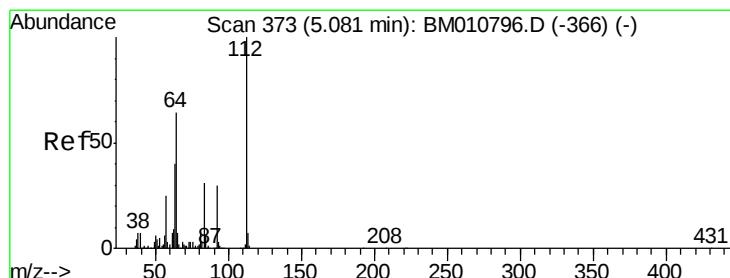
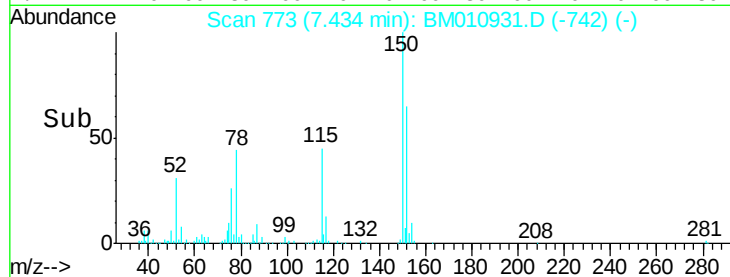
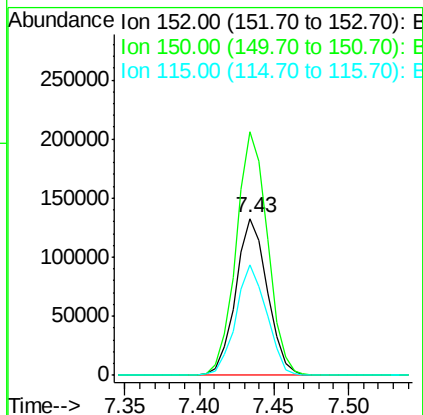
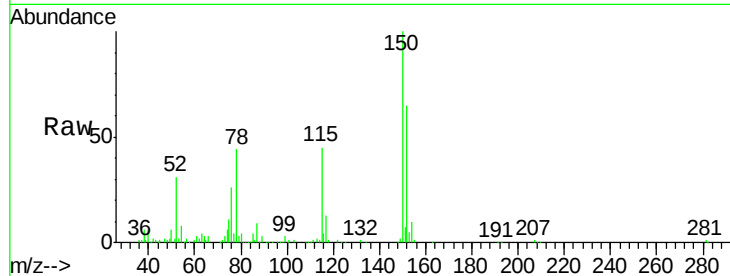


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.43 min Scan# 773
Delta R.T. -0.02 min
Lab File: BM010931.D
Acq: 21 Jul 2017 04:41

Instrument :
BNA_M
ClientSampled :
M-COMB-4

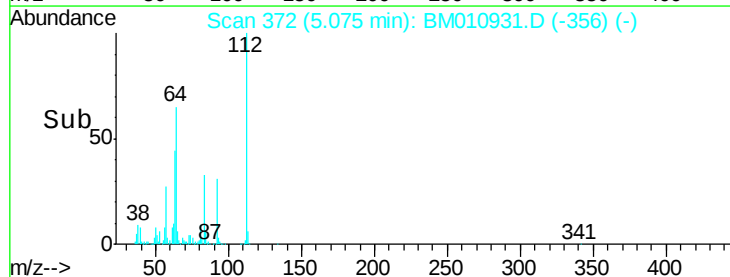
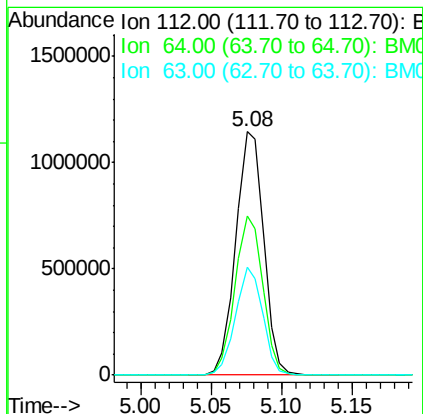
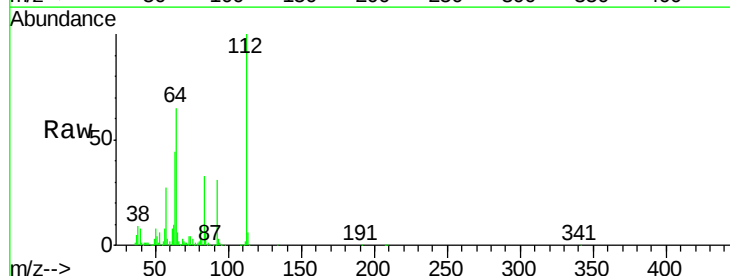
Tgt Ion:152 Resp: 195995
Ion Ratio Lower Upper
152 100
150 155.0 119.5 179.3
115 70.5 43.0 64.4#

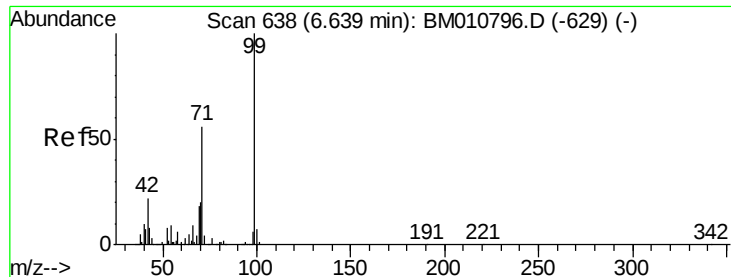


#5

2-Fluorophenol
Concen: 133.73 ng
RT: 5.08 min Scan# 372
Delta R.T. -0.00 min
Lab File: BM010931.D
Acq: 21 Jul 2017 04:41

Tgt Ion:112 Resp: 1582279
Ion Ratio Lower Upper
112 100
64 65.3 38.6 57.8#
63 44.1 19.3 28.9#





#7

Phenol-d6

Concen: 123.03 ng

RT: 6.63 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM010931.D

Acq: 21 Jul 2017 04:41

Instrument :

BNA_M

ClientSampleId :

M-COMB-4

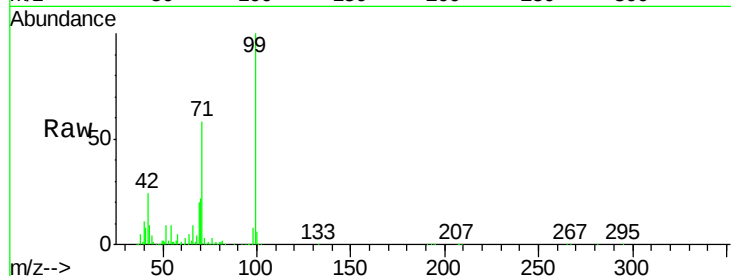
Tgt Ion: 99 Resp: 2006734

Ion Ratio Lower Upper

99 100

42 23.7 11.0 16.4#

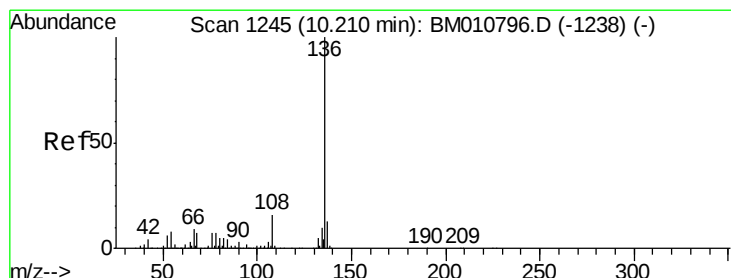
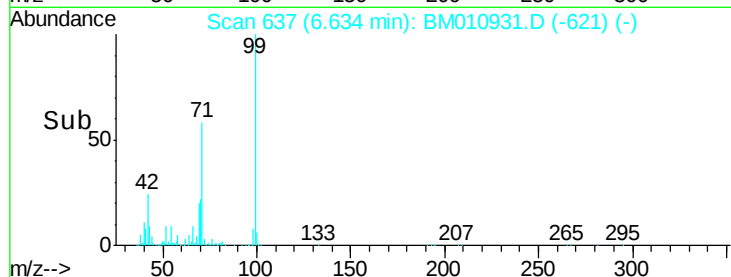
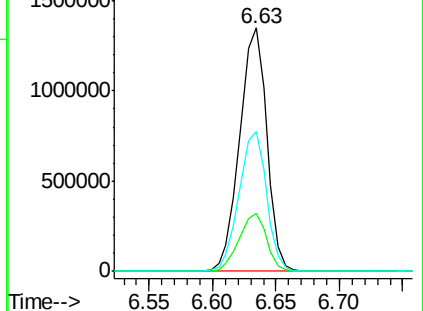
71 57.7 23.4 35.2#



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: 10.19 min Scan# 1242

Delta R.T. -0.02 min

Lab File: BM010931.D

Acq: 21 Jul 2017 04:41

Tgt Ion: 136 Resp: 749748

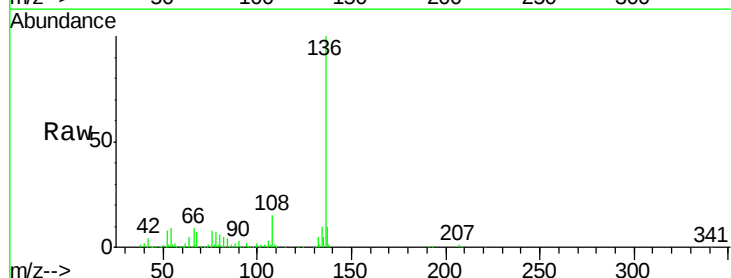
Ion Ratio Lower Upper

136 100

137 10.1 8.7 13.1

54 9.1 4.6 6.8#

68 7.4 3.7 5.5#

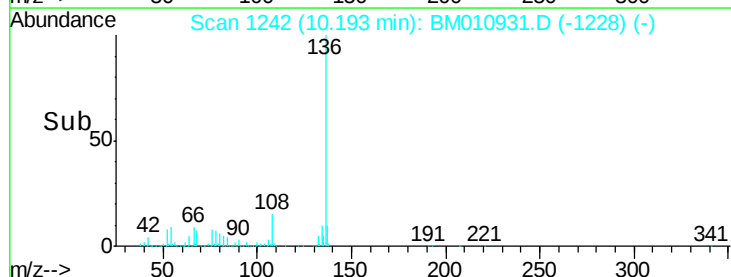
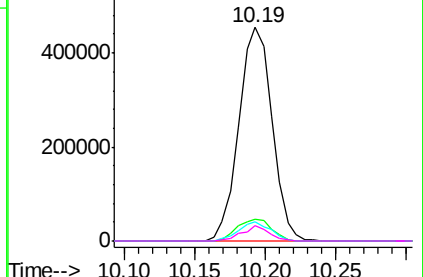


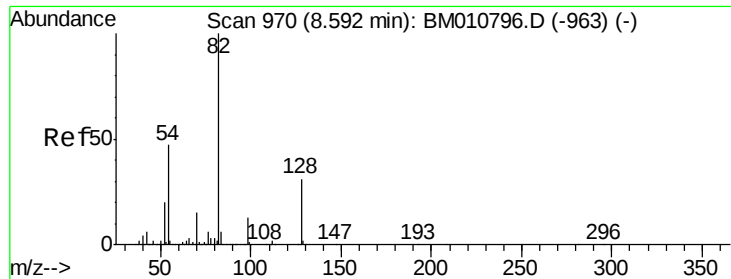
Abundance Ion 136.00 (135.70 to 136.70): BM010796.D (-1238) (-)

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) (-)

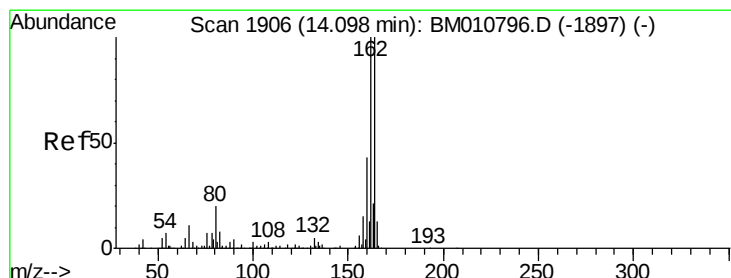
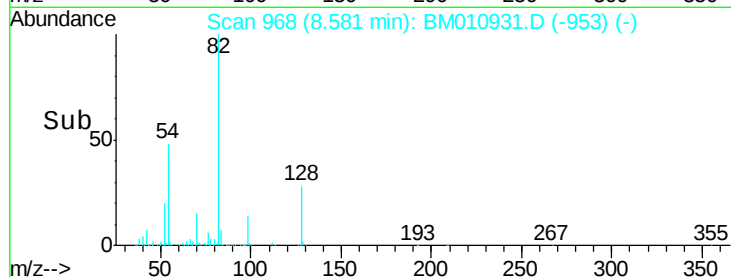
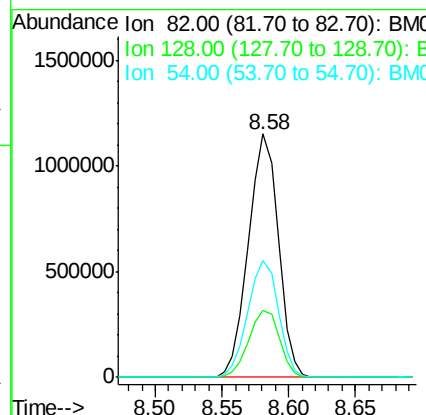
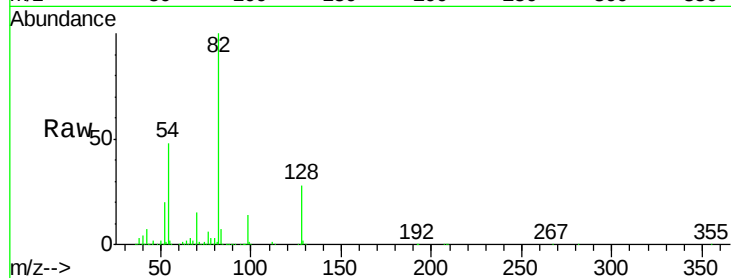




#23
 Nitrobenzene-d5
 Concen: 91.70 ng
 RT: 8.58 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BM010931.D
 Acq: 21 Jul 2017 04:41

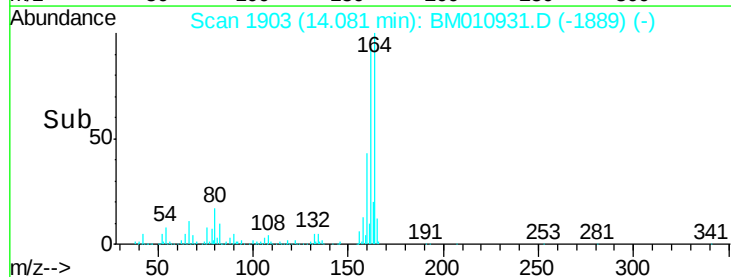
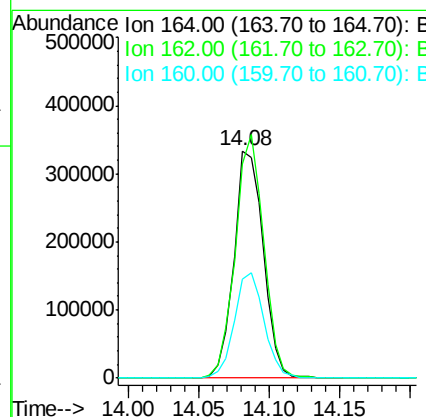
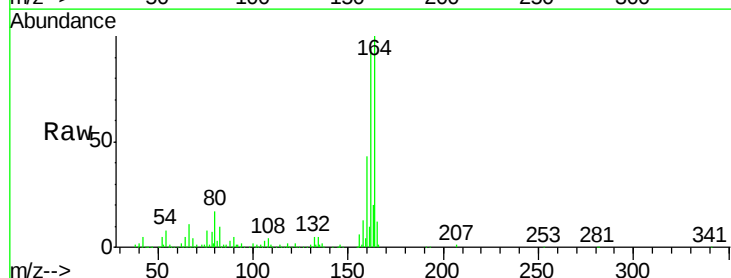
Instrument :
 BNA_M
 ClientSampleId :
 M-COMB-4

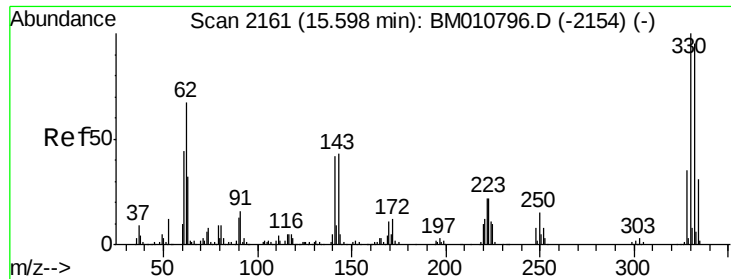
Tgt Ion: 82 Resp: 1788593
 Ion Ratio Lower Upper
 82 100
 128 27.7 32.8 49.2#
 54 48.3 40.6 60.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.08 min Scan# 1903
 Delta R.T. -0.02 min
 Lab File: BM010931.D
 Acq: 21 Jul 2017 04:41

Tgt Ion: 164 Resp: 483164
 Ion Ratio Lower Upper
 164 100
 162 94.3 82.4 123.6
 160 43.4 35.8 53.6





#41

2,4,6-Tribromophenol

Concen: 137.58 ng

RT: 15.59 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BM010931.D

Acq: 21 Jul 2017 04:41

Instrument :

BNA_M

ClientSampleId :

M-COMB-4

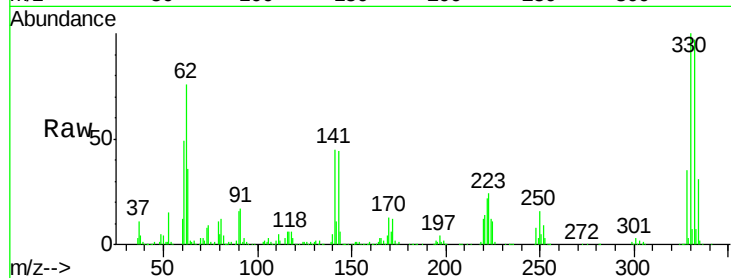
Tgt Ion:330 Resp: 1015817

Ion Ratio Lower Upper

330 100

332 97.0 0.0 0.0#

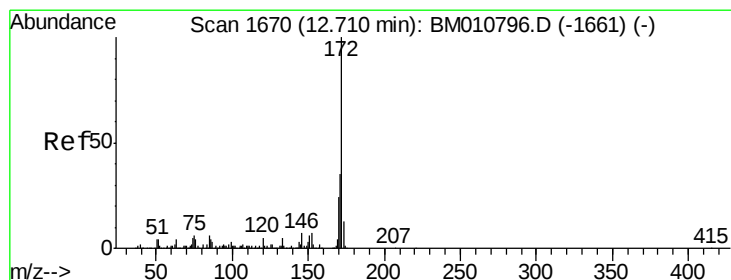
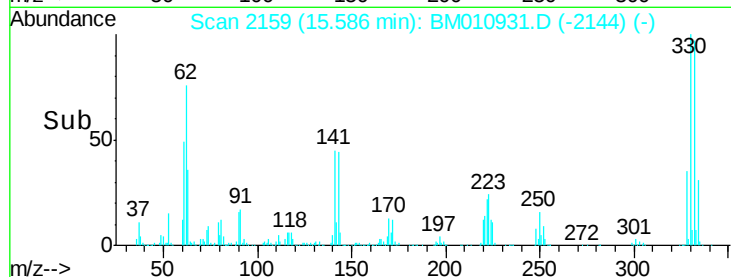
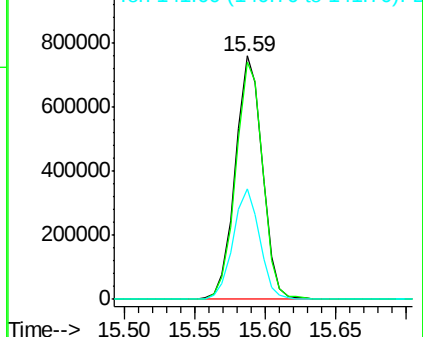
141 44.6 0.0 0.0#



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: 93.32 ng

RT: 12.70 min Scan# 1668

Delta R.T. -0.01 min

Lab File: BM010931.D

Acq: 21 Jul 2017 04:41

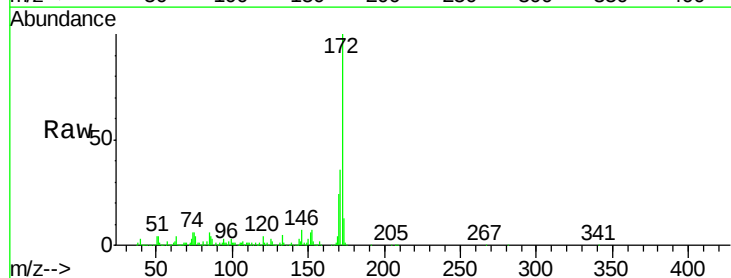
Tgt Ion:172 Resp: 3624440

Ion Ratio Lower Upper

172 100

171 35.9 28.5 42.7

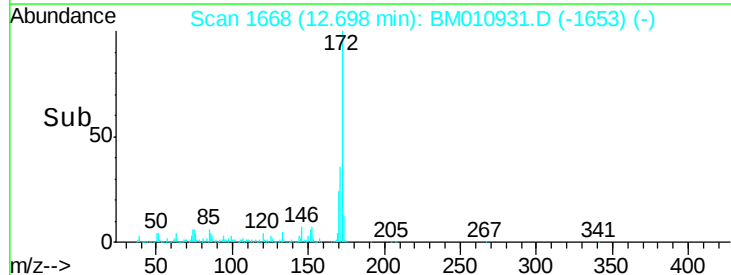
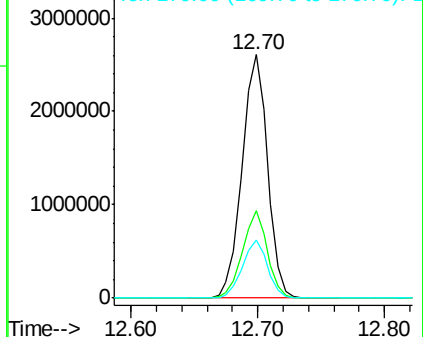
170 23.8 18.8 28.2

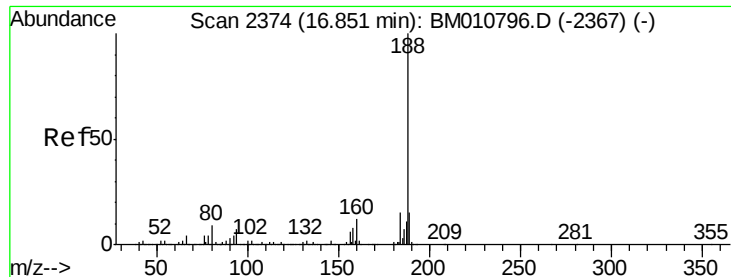


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

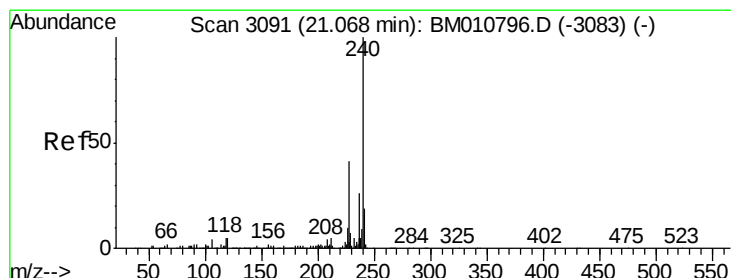
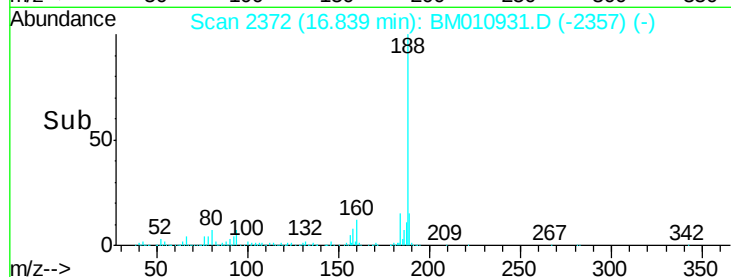
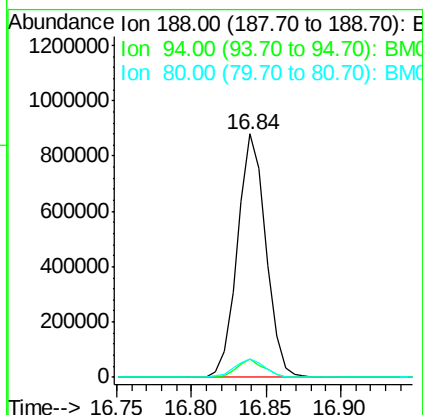
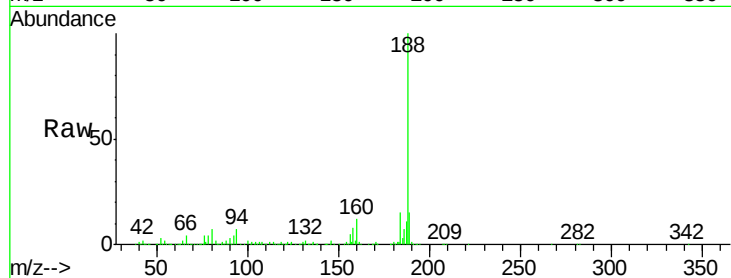




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM010931.D
Acq: 21 Jul 2017 04:41

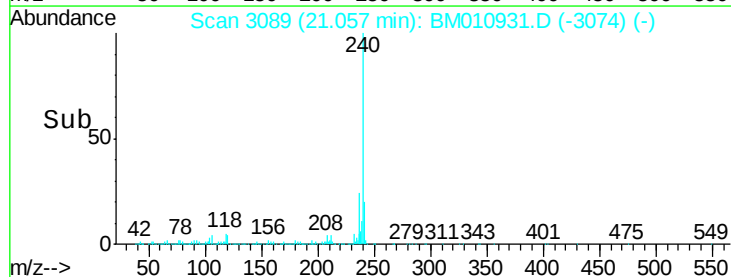
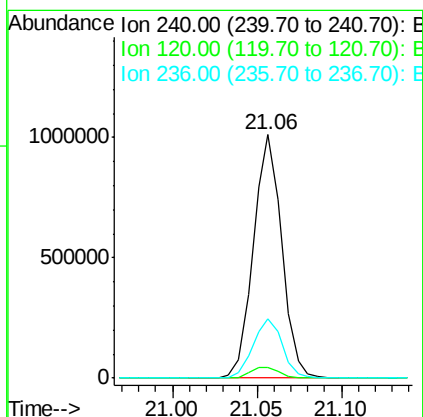
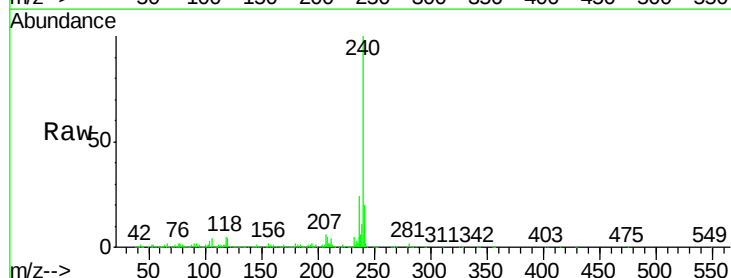
Instrument :
BNA_M
ClientSampleId :
M-COMB-4

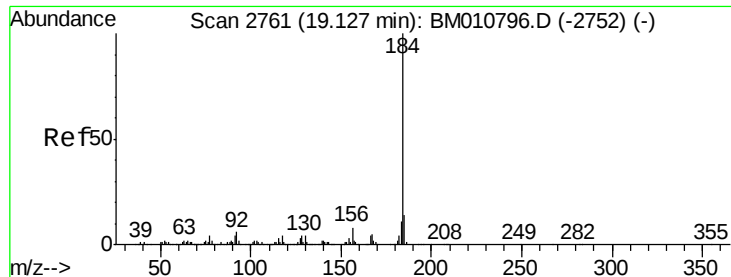
Tgt Ion:188 Resp: 1166391
Ion Ratio Lower Upper
188 100
94 7.3 8.7 13.1#
80 7.5 9.3 13.9#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.06 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BM010931.D
Acq: 21 Jul 2017 04:41

Tgt Ion:240 Resp: 1183518
Ion Ratio Lower Upper
240 100
120 4.5 8.2 12.2#
236 24.5 20.0 30.0

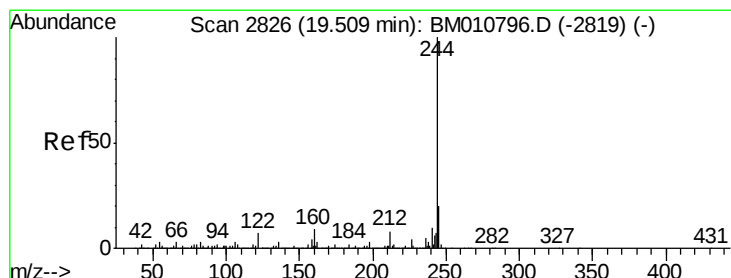
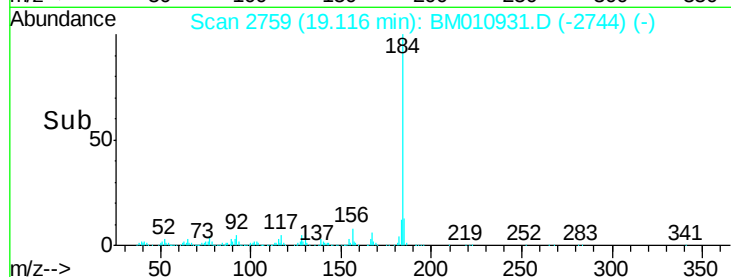
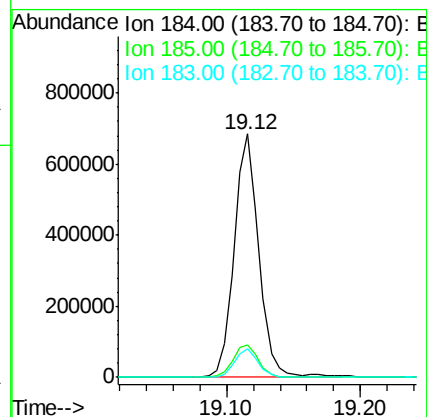
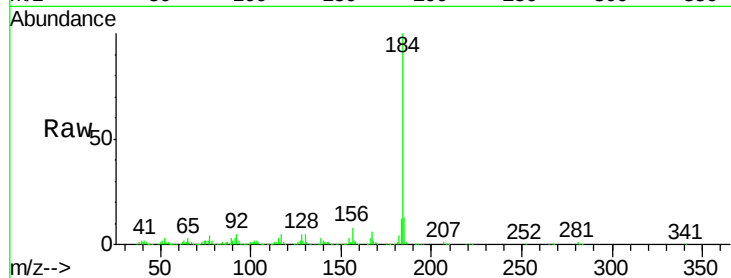




#76
Benzidine
Concen: 28.01 ng
RT: 19.12 min Scan# 2759
Delta R.T. -0.01 min
Lab File: BM010931.D
Acq: 21 Jul 2017 04:41

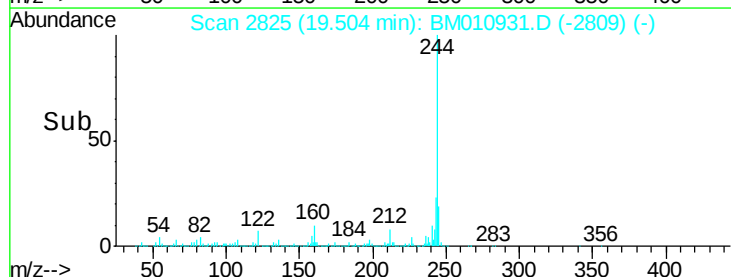
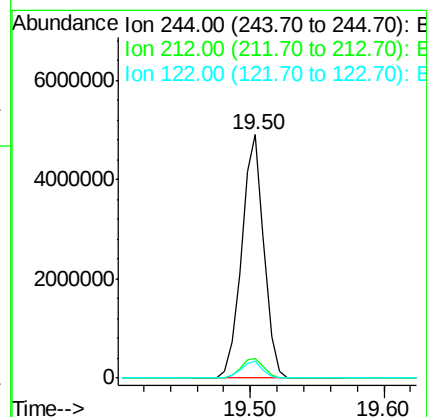
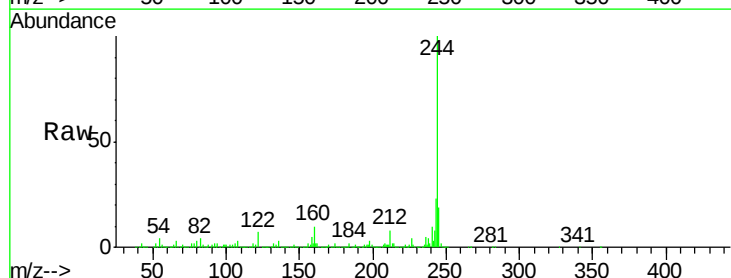
Instrument :
BNA_M
ClientSampleId :
M-COMB-4

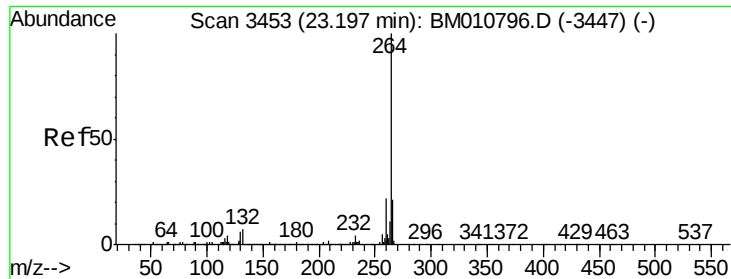
Tgt Ion:184 Resp: 887039
Ion Ratio Lower Upper
184 100
185 13.4 11.3 16.9
183 12.0 8.9 13.3



#78
Terphenyl-d14
Concen: 91.93 ng
RT: 19.50 min Scan# 2825
Delta R.T. -0.01 min
Lab File: BM010931.D
Acq: 21 Jul 2017 04:41

Tgt Ion:244 Resp: 5625364
Ion Ratio Lower Upper
244 100
212 7.9 4.9 7.3#
122 7.2 6.2 9.4





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.19 min Scan# 3451
Delta R.T. -0.01 min
Lab File: BM010931.D
Acq: 21 Jul 2017 04:41

Instrument :
BNA_M
ClientSampleId :
M-COMB-4

Tgt Ion:264 Resp: 1097073

Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.6	27.8
265	21.3	17.3	25.9

