

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071317\
 Data File : BM010828.D
 Acq On : 14 Jul 2017 00:34
 Operator : SJ/JU
 Sample : I4149-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-01-071117

Quant Time: Jul 14 04:18:00 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

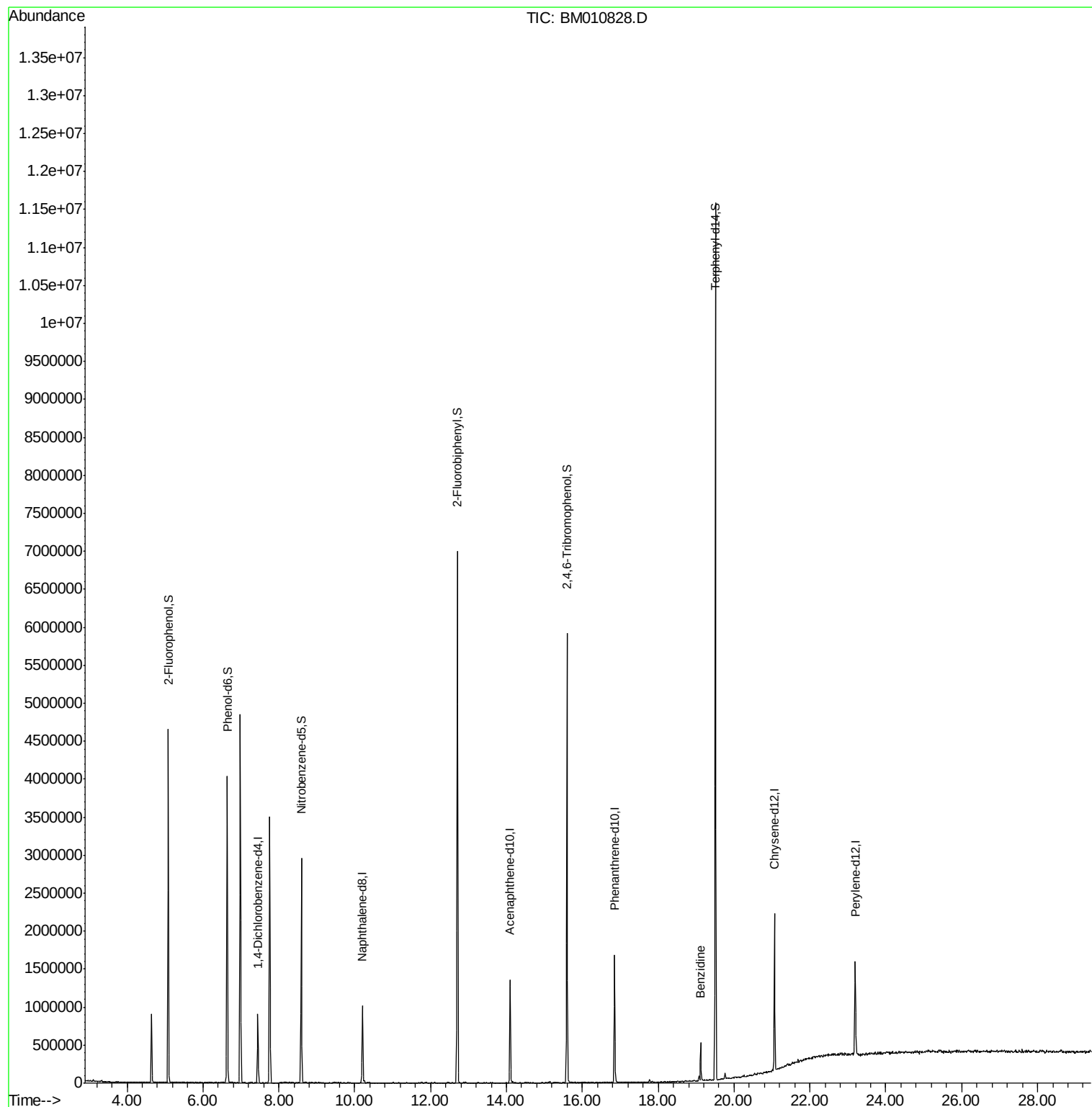
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	174198	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	631415	20.00	ng	0.00
38) Acenaphthene-d10	14.09	164	388451	20.00	ng	0.00
63) Phenanthrene-d10	16.85	188	887101	20.00	ng	0.00
75) Chrysene-d12	21.06	240	907329	20.00	ng	0.00
86) Perylene-d12	23.19	264	871107	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	1421846	135.21	ng	0.00
7) Phenol-d6	6.64	99	1691985	116.71	ng	0.00
23) Nitrobenzene-d5	8.59	82	1549514	94.33	ng	0.00
41) 2,4,6-Tribromophenol	15.60	330	839414	141.40	ng	0.00
44) 2-Fluorobiphenyl	12.71	172	3081567	98.69	ng	0.00
78) Terphenyl-d14	19.51	244	4173603	88.97	ng	0.00
Target Compounds						
76) Benzidine	19.12	184	238070	9.805	ng	Qvalue 96

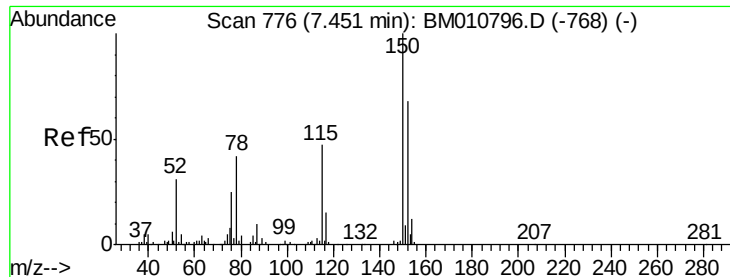
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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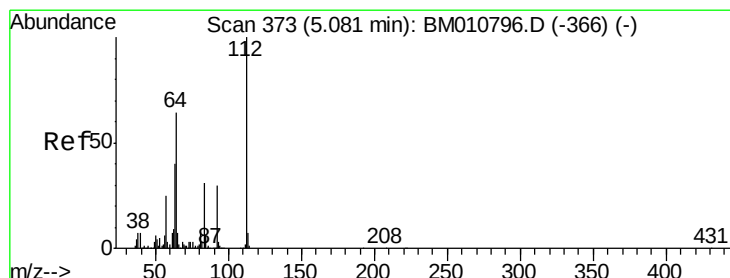
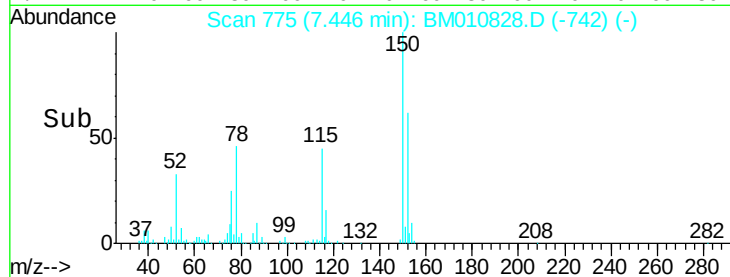
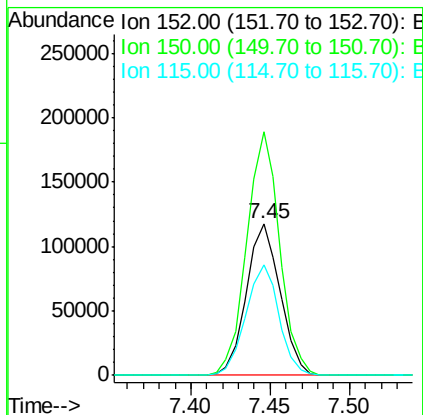
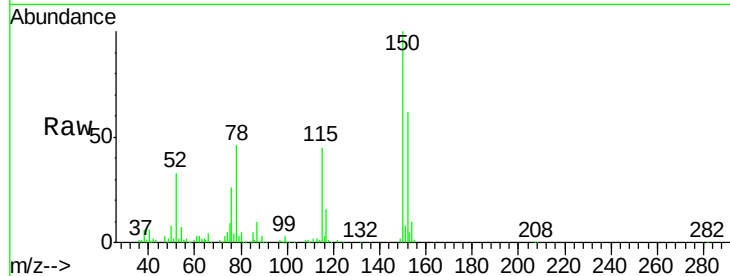


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.45 min Scan# 775
Delta R.T. -0.01 min
Lab File: BM010828.D
Acq: 14 Jul 2017 00:34

Instrument :
BNA_M
ClientSampleId :
OR-01-071117

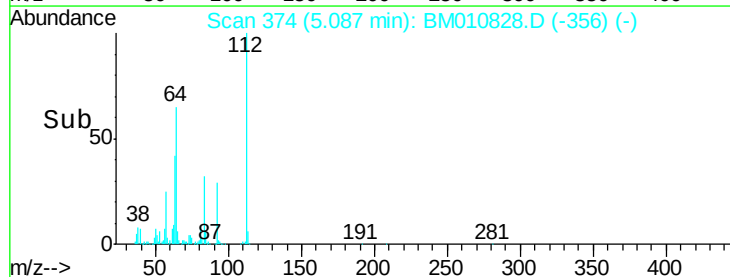
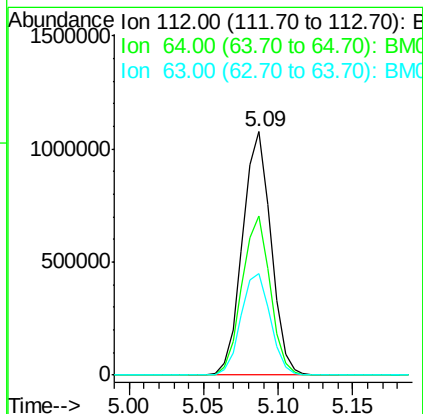
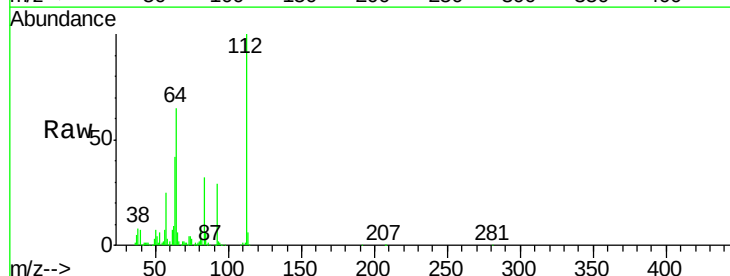
Tgt Ion:152 Resp: 174198
Ion Ratio Lower Upper
152 100
150 160.4 119.5 179.3
115 72.9 43.0 64.4#

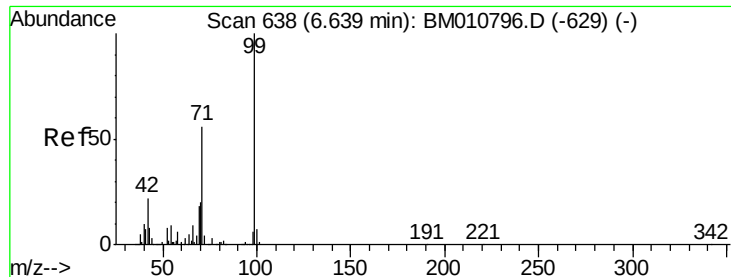


#5

2-Fluorophenol
Concen: 135.207 ng
RT: 5.09 min Scan# 374
Delta R.T. 0.01 min
Lab File: BM010828.D
Acq: 14 Jul 2017 00:34

Tgt Ion:112 Resp: 1421846
Ion Ratio Lower Upper
112 100
64 65.2 38.6 57.8#
63 41.8 19.3 28.9#





#7

Phenol-d6

Concen: 116.710 ng

RT: 6.64 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM010828.D

Acq: 14 Jul 2017 00:34

Instrument :

BNA_M

ClientSampleId :

OR-01-071117

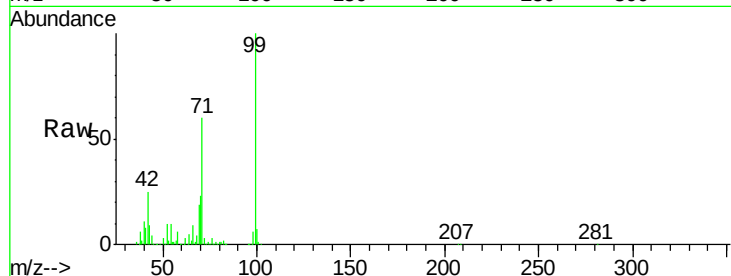
Tgt Ion: 99 Resp: 1691985

Ion Ratio Lower Upper

99 100

42 25.4 11.0 16.4#

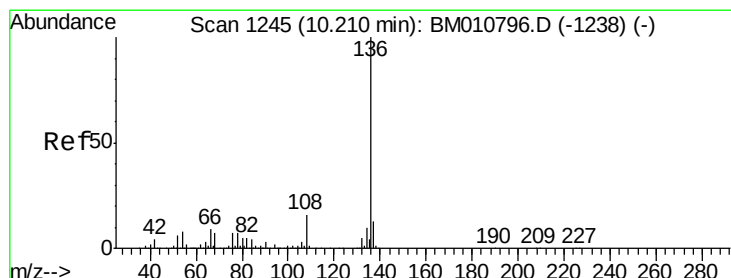
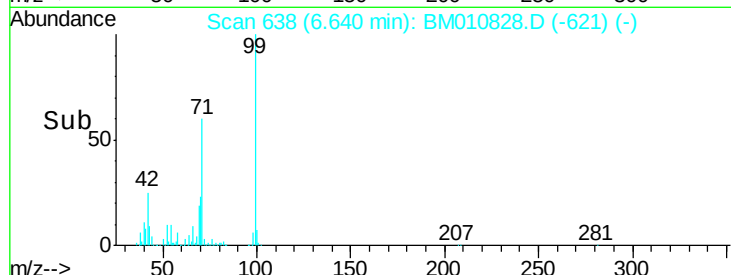
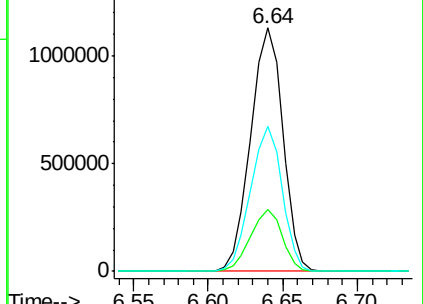
71 59.6 23.4 35.2#



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: 20.000 ng

RT: 10.20 min Scan# 1244

Delta R.T. -0.01 min

Lab File: BM010828.D

Acq: 14 Jul 2017 00:34

Tgt Ion: 136 Resp: 631415

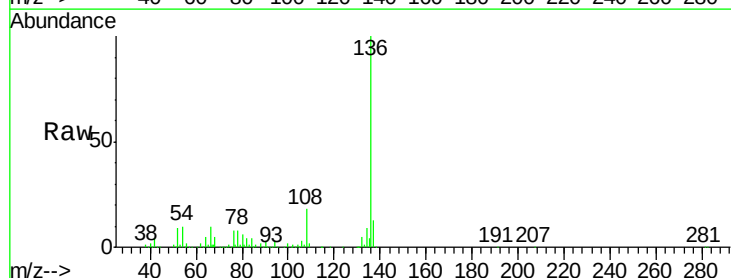
Ion Ratio Lower Upper

136 100

137 13.0 8.7 13.1

54 9.5 4.6 6.8#

68 5.0 3.7 5.5

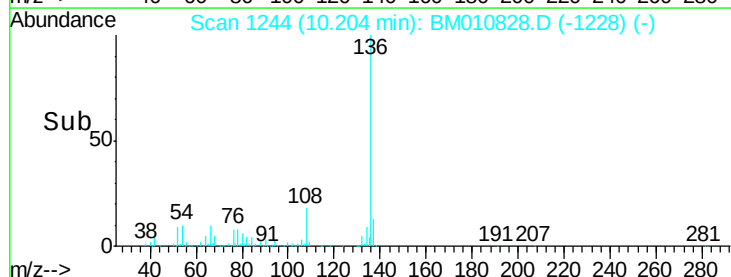
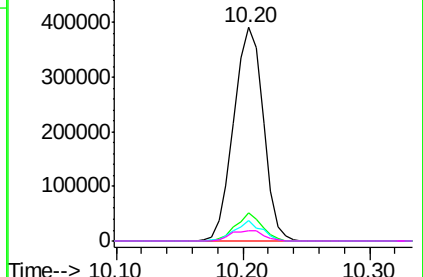


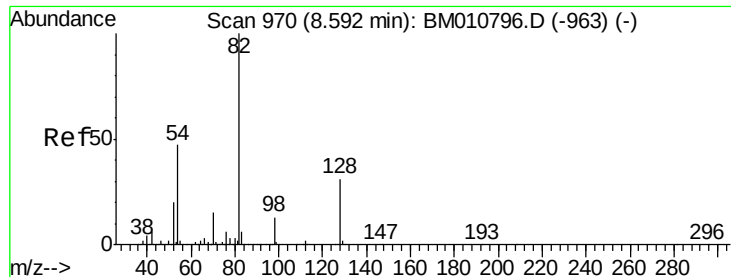
Abundance Ion 136.00 (135.70 to 136.70): BM010796.D (-1238) (-)

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) (-)

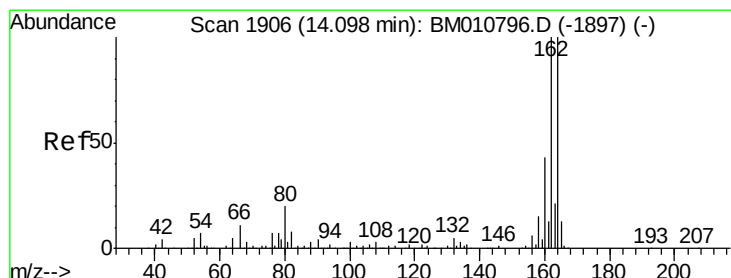
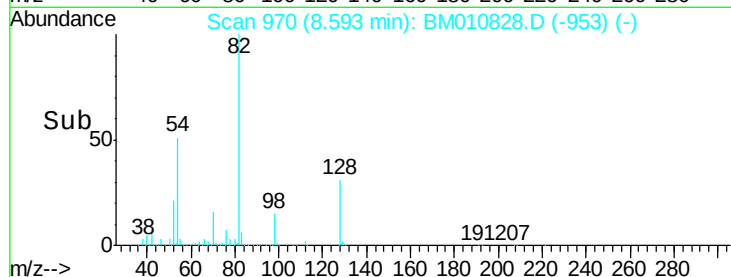
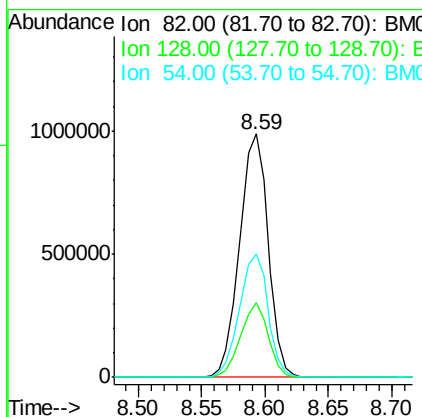
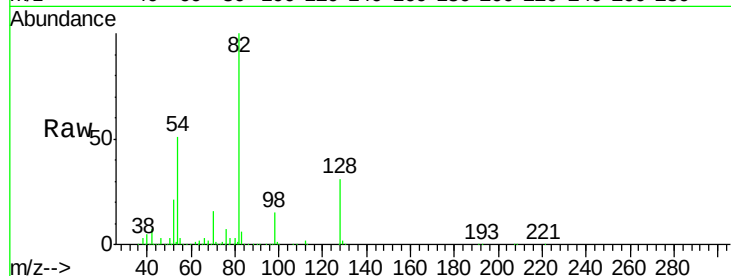




#23
 Nitrobenzene-d5
 Concen: 94.327 ng
 RT: 8.59 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: BM010828.D
 Acq: 14 Jul 2017 00:34

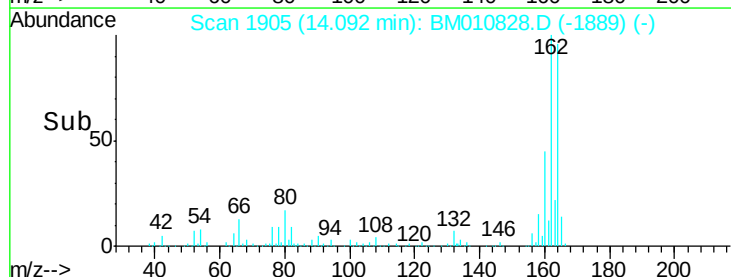
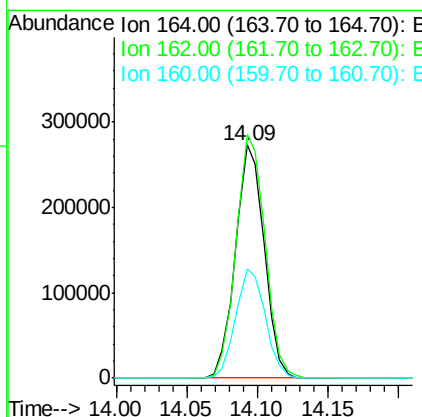
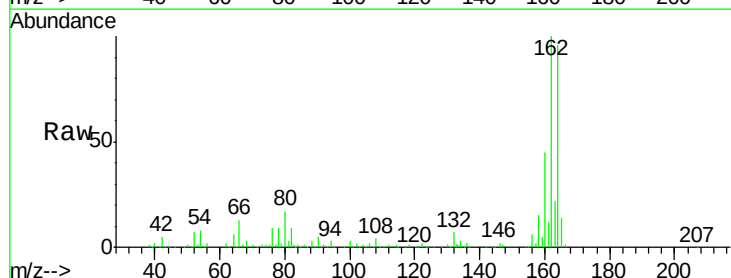
Instrument :
 BNA_M
 ClientSampleId :
 OR-01-071117

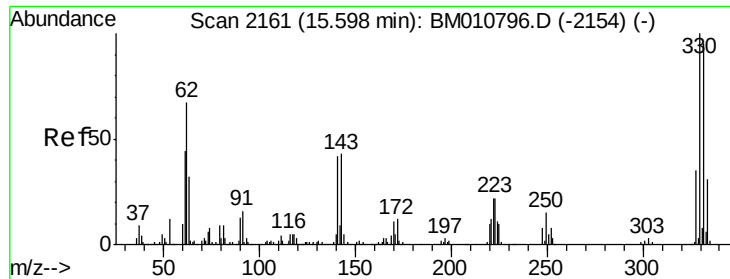
Tgt Ion: 82 Resp: 1549514
 Ion Ratio Lower Upper
 82 100
 128 30.9 32.8 49.2#
 54 50.5 40.6 60.8



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.09 min Scan# 1905
 Delta R.T. -0.01 min
 Lab File: BM010828.D
 Acq: 14 Jul 2017 00:34

Tgt Ion: 164 Resp: 388451
 Ion Ratio Lower Upper
 164 100
 162 104.4 82.4 123.6
 160 46.8 35.8 53.6

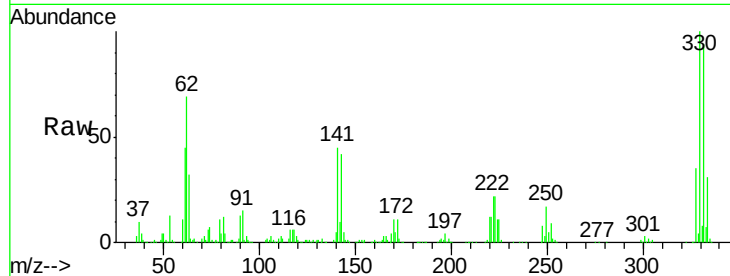




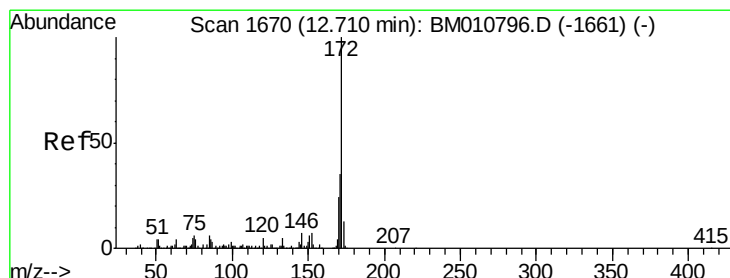
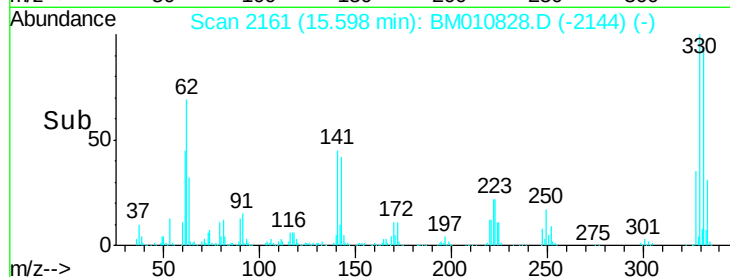
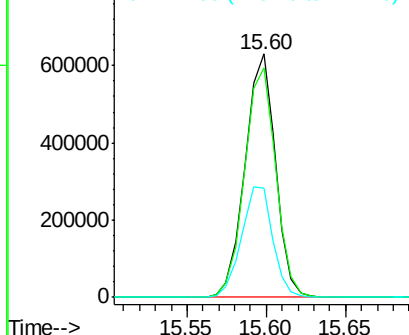
#41
 2,4,6-Tribromophenol
 Concen: 141.404 ng
 RT: 15.60 min Scan# 2161
 Delta R.T. 0.00 min
 Lab File: BM010828.D
 Acq: 14 Jul 2017 00:34

Instrument :
 BNA_M
 ClientSampleId :
 OR-01-071117

Tgt Ion:330 Resp: 839414
 Ion Ratio Lower Upper
 330 100
 332 96.9 0.0 0.0#
 141 46.8 0.0 0.0#

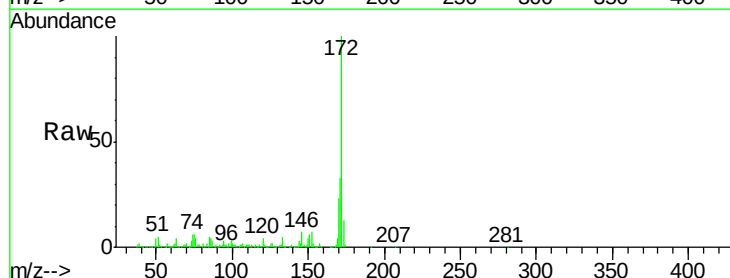


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

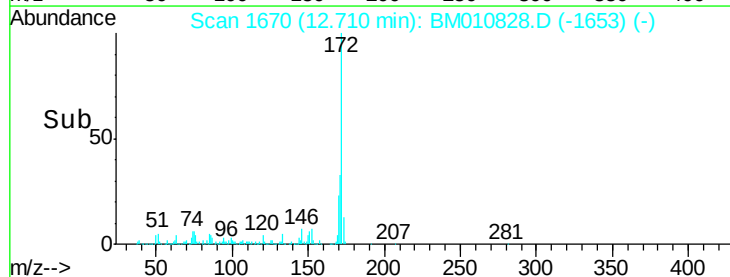
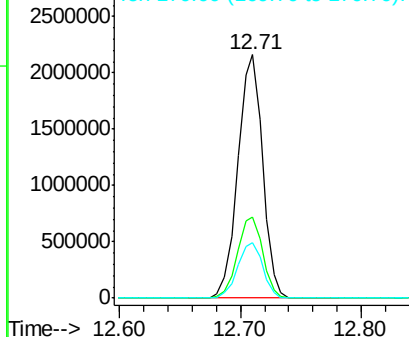


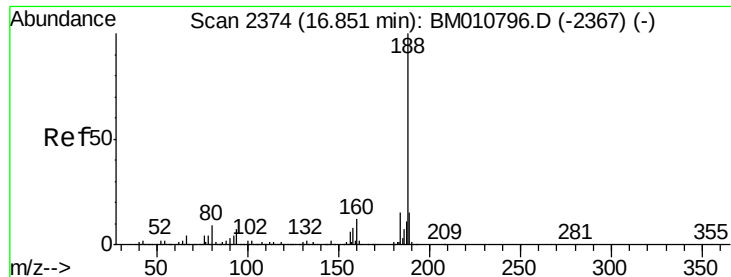
#44
 2-Fluorobiphenyl
 Concen: 98.688 ng
 RT: 12.71 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: BM010828.D
 Acq: 14 Jul 2017 00:34

Tgt Ion:172 Resp: 3081567
 Ion Ratio Lower Upper
 172 100
 171 33.3 28.5 42.7
 170 22.9 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

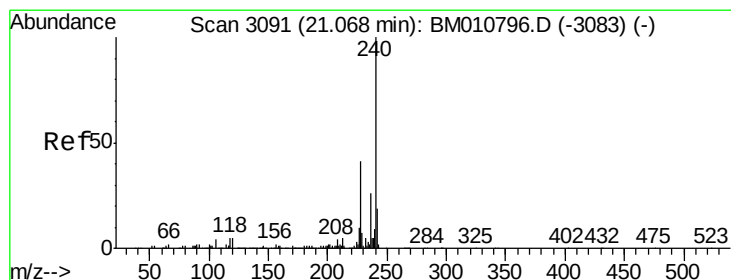
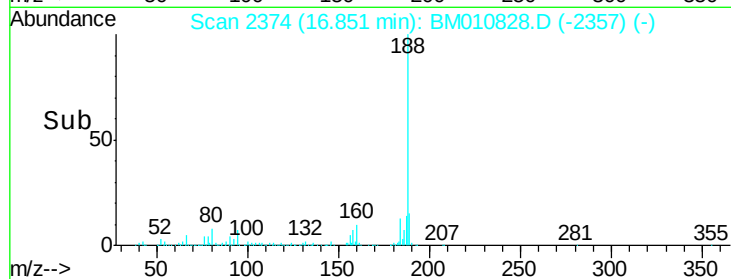
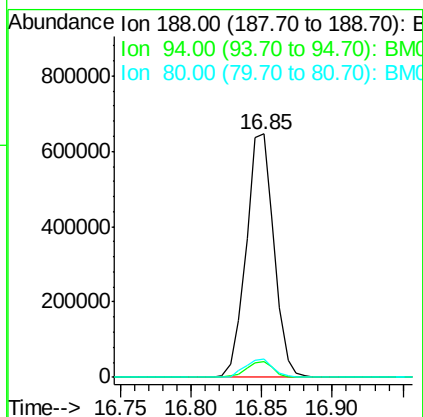
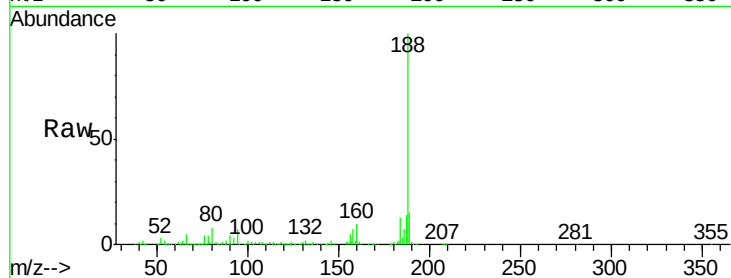




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.85 min Scan# 2374
Delta R.T. 0.00 min
Lab File: BM010828.D
Acq: 14 Jul 2017 00:34

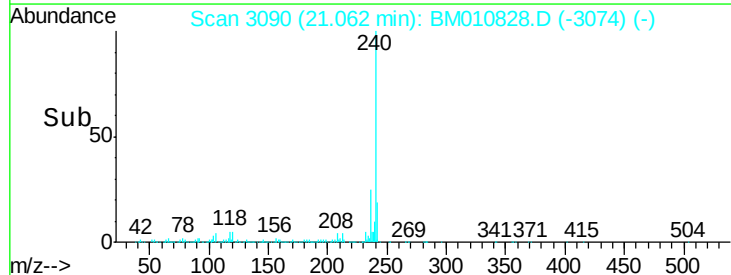
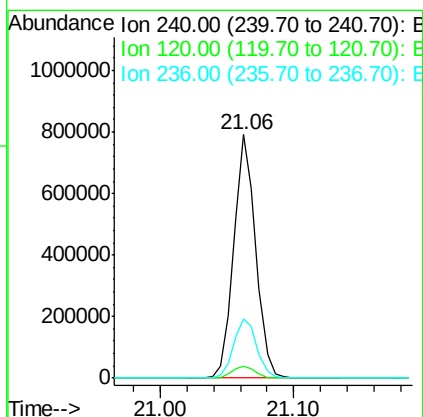
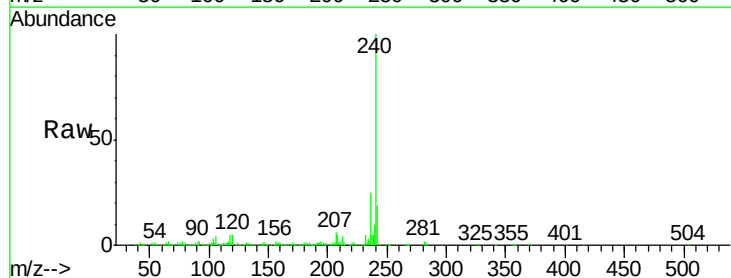
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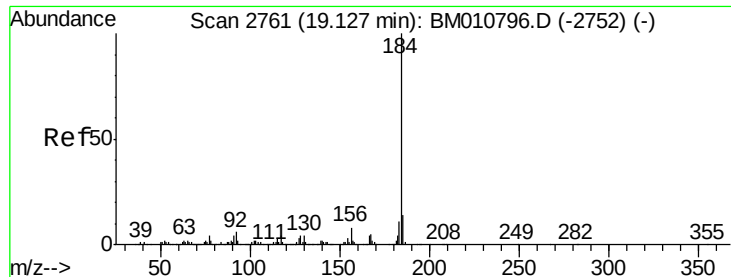
Tgt Ion:188 Resp: 887101
Ion Ratio Lower Upper
188 100
94 6.7 8.7 13.1#
80 7.6 9.3 13.9#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.06 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM010828.D
Acq: 14 Jul 2017 00:34

Tgt Ion:240 Resp: 907329
Ion Ratio Lower Upper
240 100
120 4.7 8.2 12.2#
236 24.6 20.0 30.0





#76

Benzidine

Concen: 9.805 ng

RT: 19.12 min Scan# 2760

Delta R.T. -0.01 min

Lab File: BM010828.D

Acq: 14 Jul 2017 00:34

Instrument :

BNA_M

ClientSampleId :

OR-01-071117

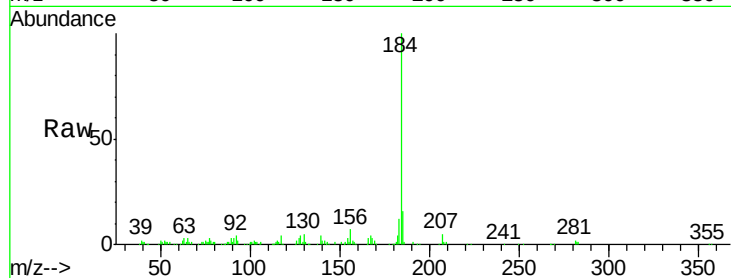
Tgt Ion:184 Resp: 238070

Ion Ratio Lower Upper

184 100

185 16.2 11.3 16.9

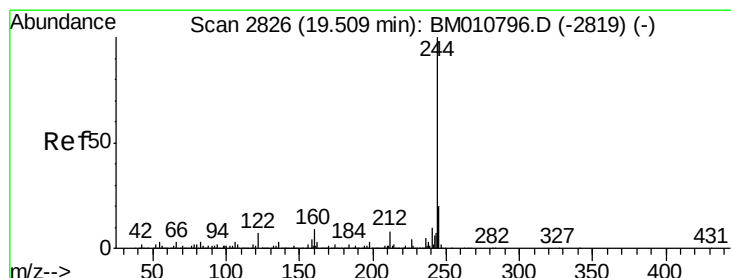
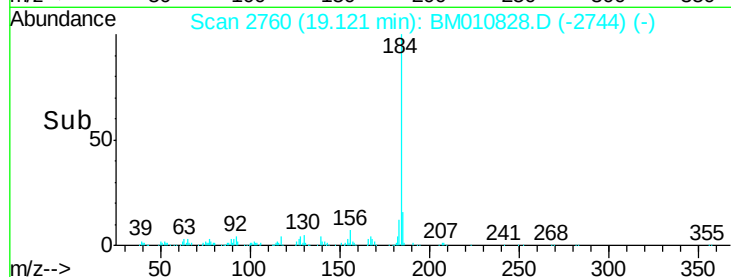
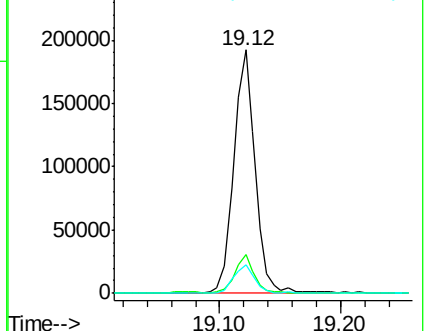
183 11.7 8.9 13.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 88.966 ng

RT: 19.51 min Scan# 2826

Delta R.T. 0.00 min

Lab File: BM010828.D

Acq: 14 Jul 2017 00:34

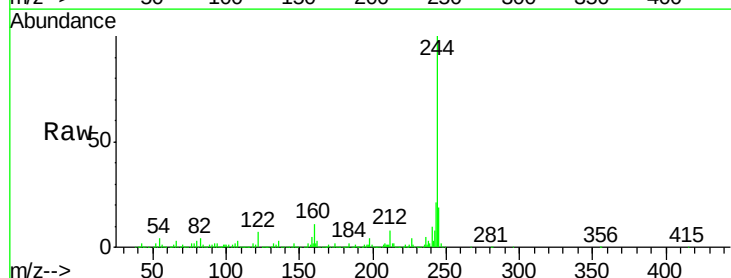
Tgt Ion:244 Resp: 4173603

Ion Ratio Lower Upper

244 100

212 8.3 4.9 7.3#

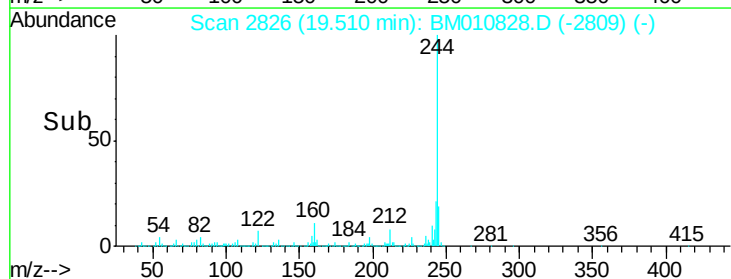
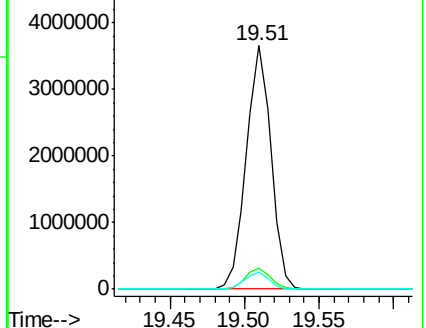
122 6.8 6.2 9.4

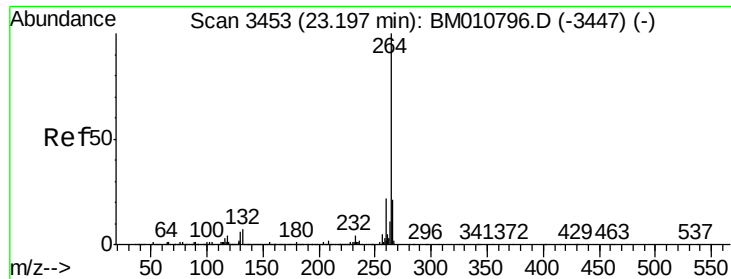


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.19 min Scan# 3452
Delta R.T. -0.01 min
Lab File: BM010828.D
Acq: 14 Jul 2017 00:34

Instrument :
BNA_M
ClientSampleId :
OR-01-071117

Tgt Ion:	264	Resp:	871107
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.6	27.8
265	22.0	17.3	25.9

