

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072017\
 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

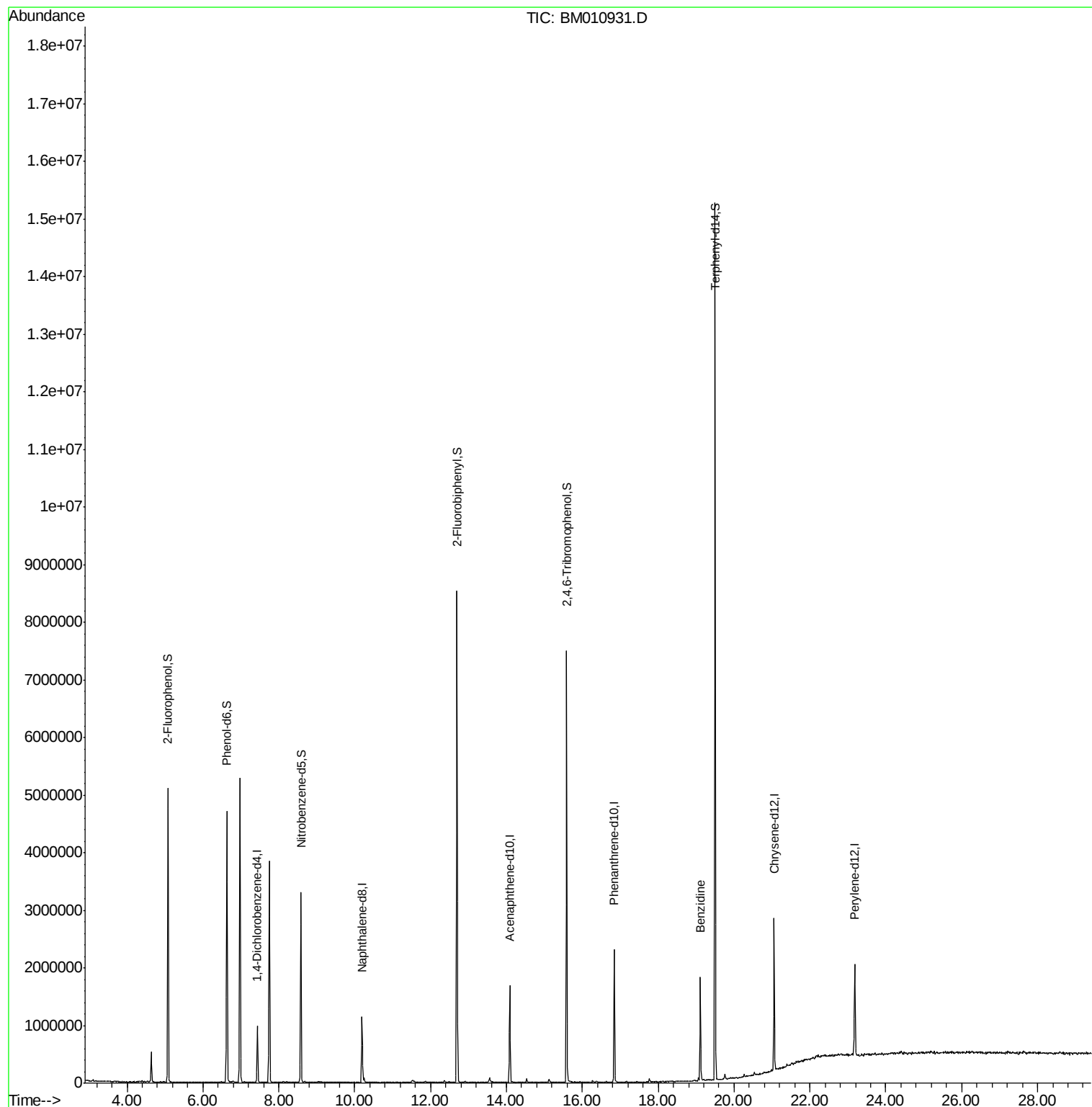
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	195995	20.00	ng	-0.02
21) Naphthalene-d8	10.19	136	749748	20.00	ng	-0.02
38) Acenaphthene-d10	14.08	164	483164	20.00	ng	-0.02
63) Phenanthrene-d10	16.84	188	1166391	20.00	ng	-0.01
75) Chrysene-d12	21.06	240	1183518	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	28.008	ng	Qvalue 98

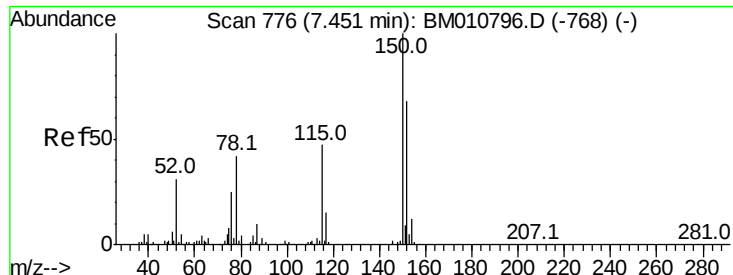
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072017\
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



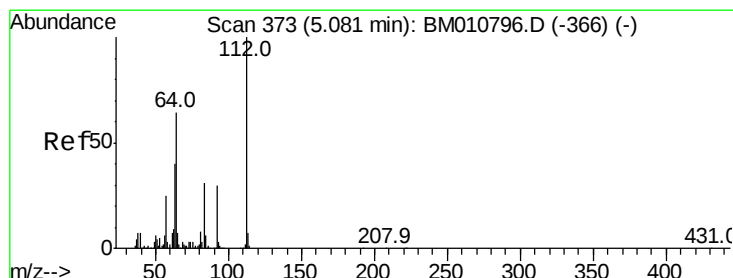
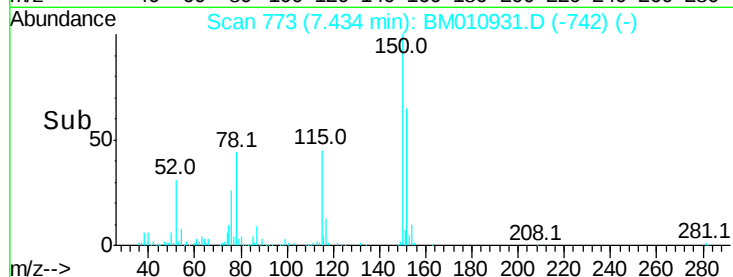
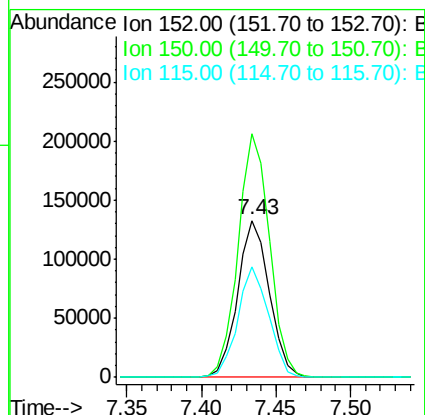
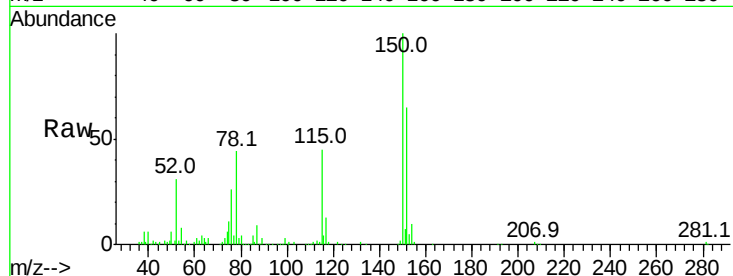


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 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

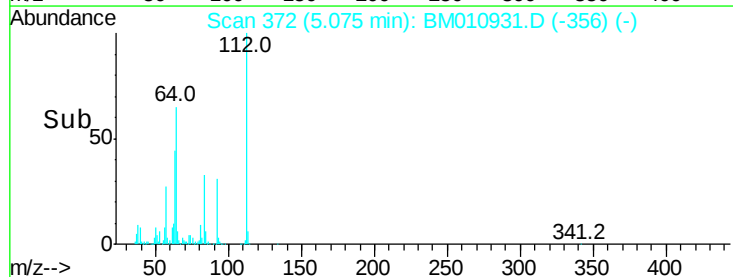
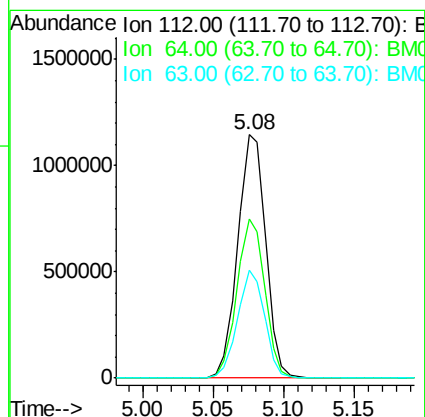
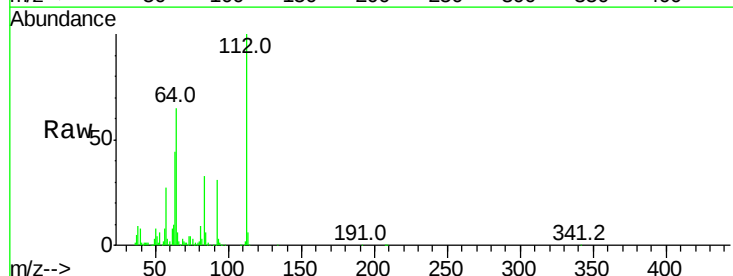
Tot Ion:152 Resp: 195995
Ion Ratio Lower Upper
152 100
150 155.0 119.5 179.3
115 70.5 43.0 64.4#

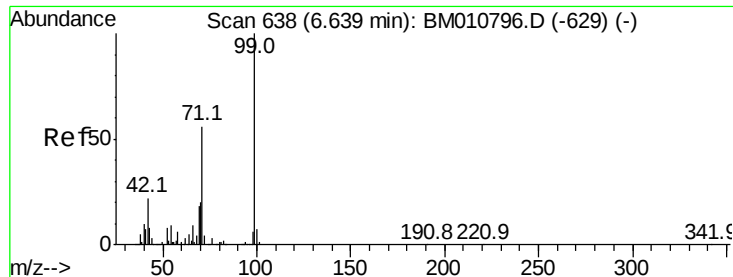


#5

2-Fluorophenol
Concen: 133.729 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: 123.027 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

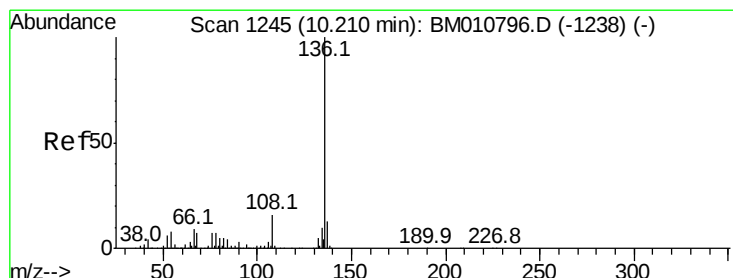
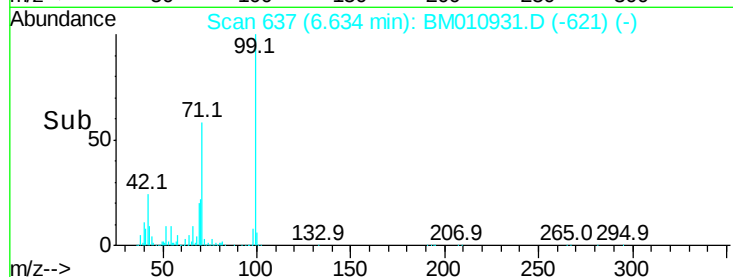
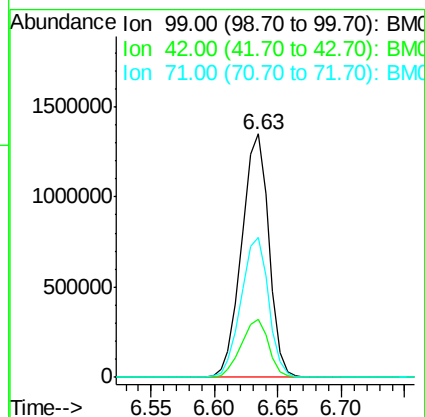
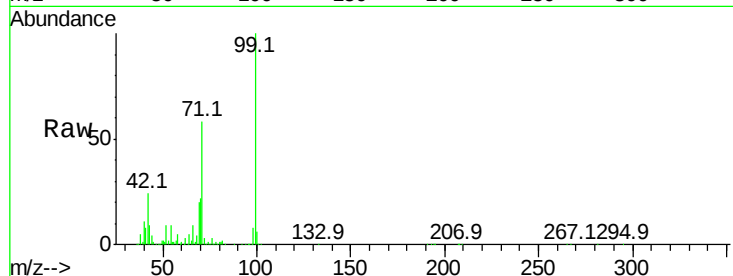
Tot Ion: 99 Resp: 2006734

Ion Ratio Lower Upper

99 100

42 23.7 11.0 16.4#

71 57.7 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 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

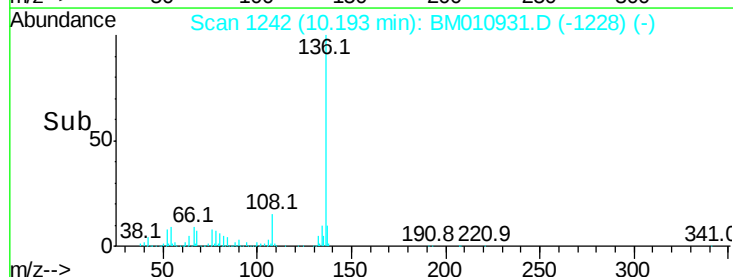
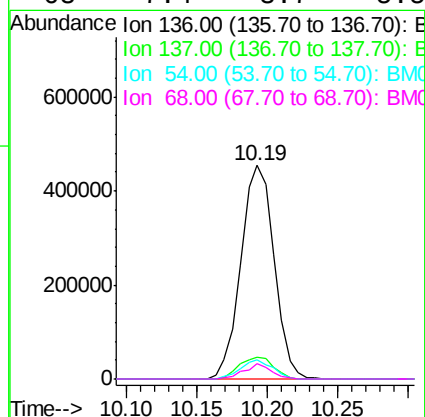
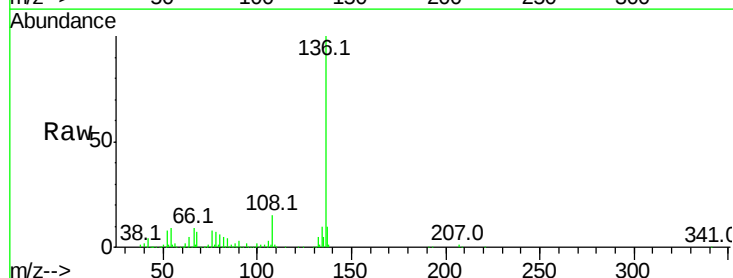
Ion Ratio Lower Upper

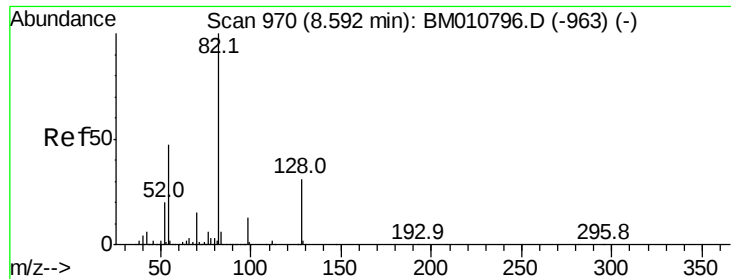
136 100

137 10.1 8.7 13.1

54 9.1 4.6 6.8#

68 7.4 3.7 5.5#

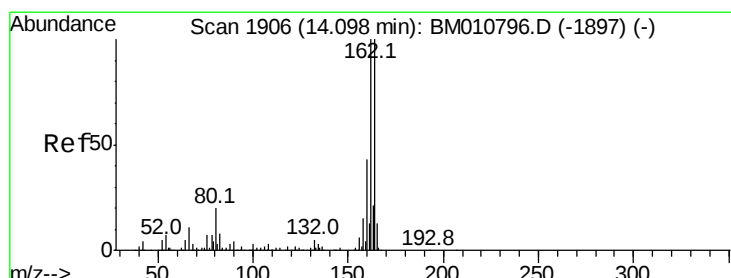
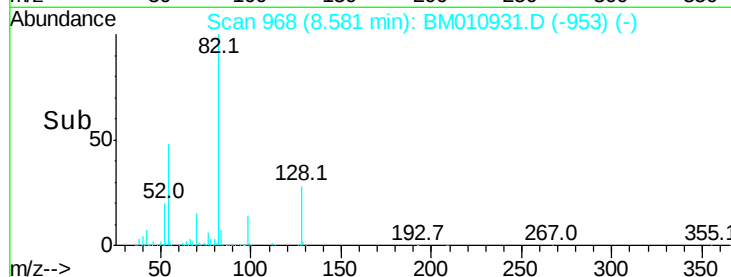
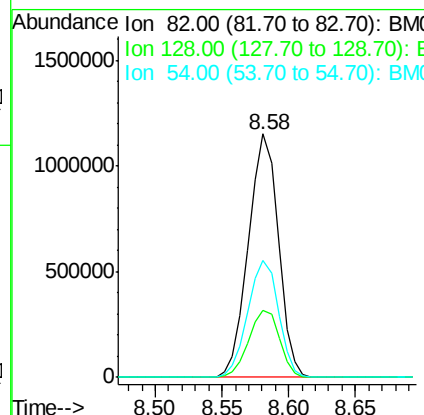
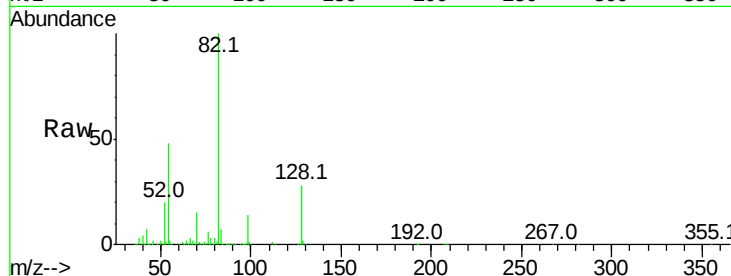




#23
 Nitrobenzene-d5
 Concen: 91.696 ng
 RT: 8.58 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BM010931.D
 Acq: 21 Jul 2017 04:41

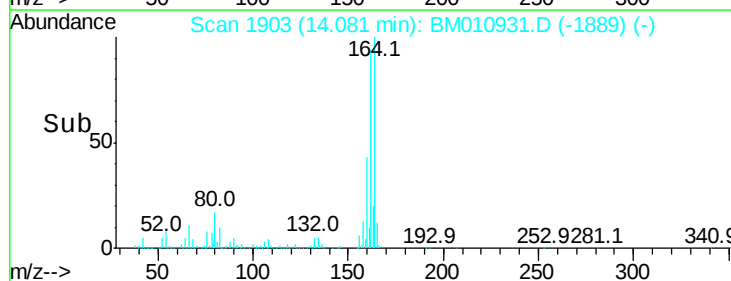
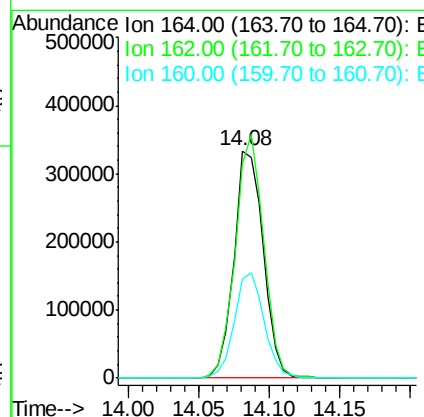
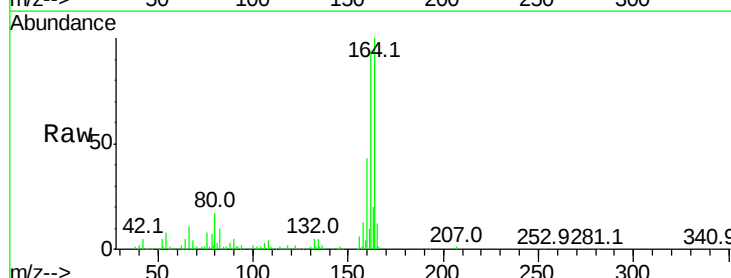
Instrument :
 BNA_M
 ClientSampleId :
 M-COMB-4

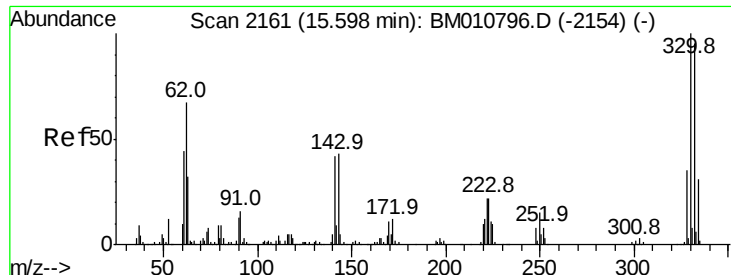
Tot Ion: 82 Resp: 1788593
 Ion Ratio Lower Upper
 82 100
 128 27.7 32.8 49.2#
 54 48.3 40.6 60.8



#38
 Acenaphthene-d10
 Concen: 20.000 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

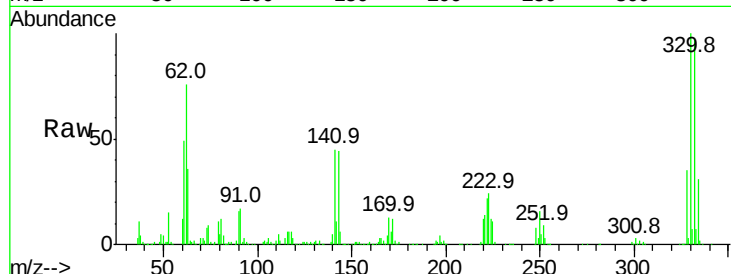




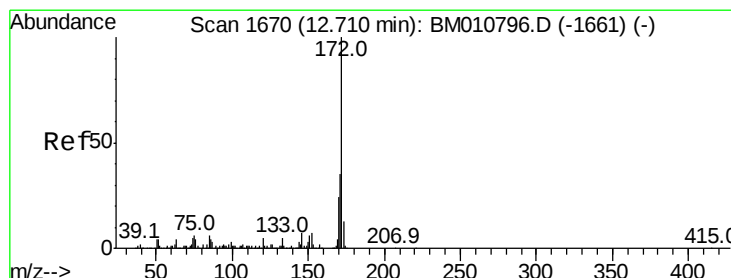
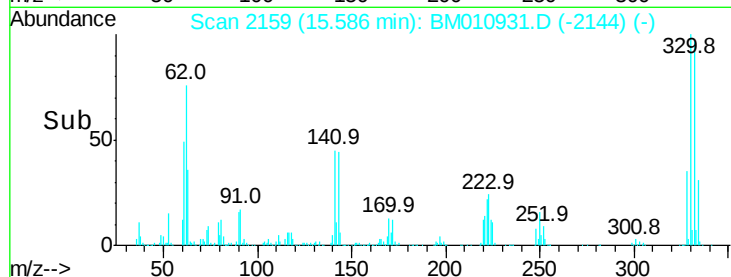
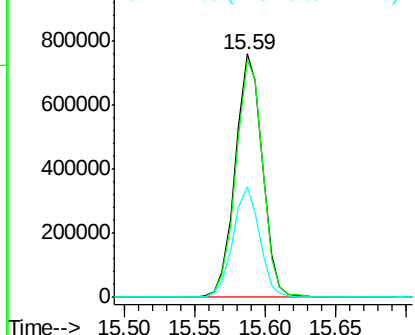
#41
 2,4,6-Tribromophenol
 Concen: 137.576 ng
 RT: 15.59 min Scan# 2159
 Delta R.T. -0.01 min
 Lab File: BM010931.D
 Acq: 21 Jul 2017 04:41

Instrument :
 BNA_M
 ClientSampleId :
 M-COMB-4

Tot Ion:330 Resp: 1015817
 Ion Ratio Lower Upper
 330 100
 332 97.0 0.0 0.0#
 141 44.6 0.0 0.0#

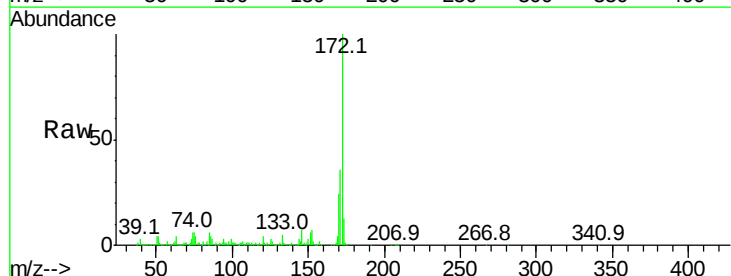


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

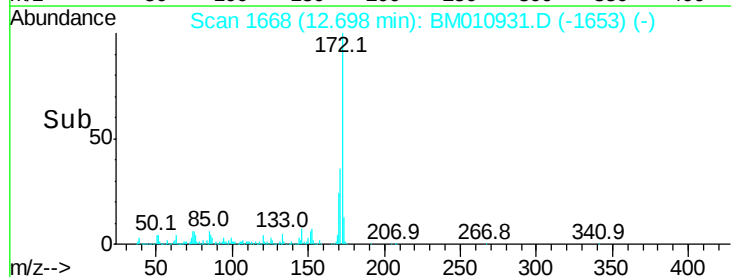
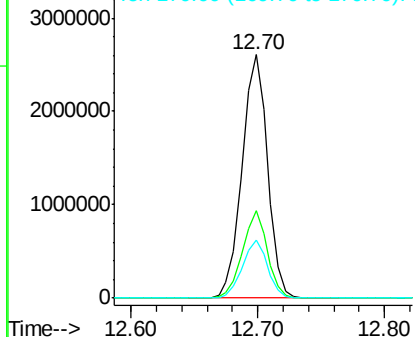


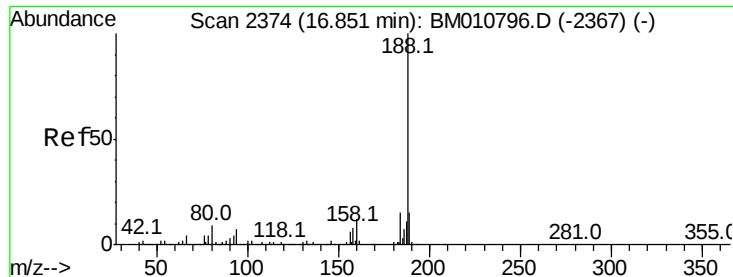
#44
 2-Fluorobiphenyl
 Concen: 93.320 ng
 RT: 12.70 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BM010931.D
 Acq: 21 Jul 2017 04:41

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

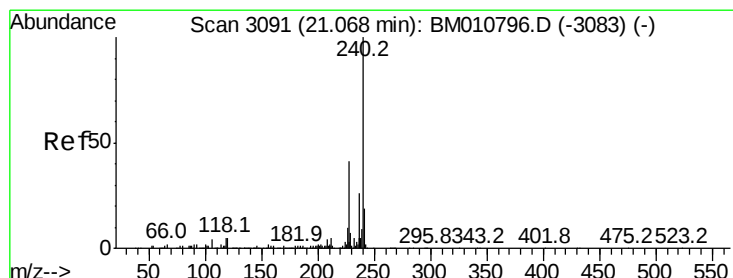
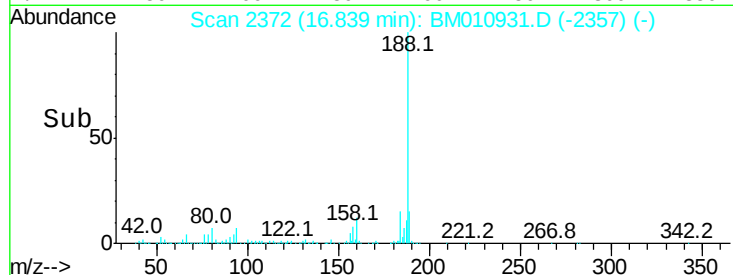
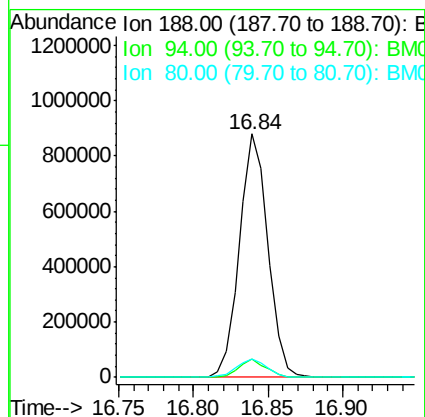
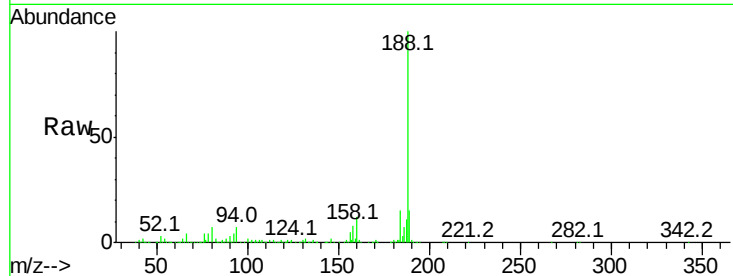




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM010931.D
Acq: 21 Jul 2017 04:41

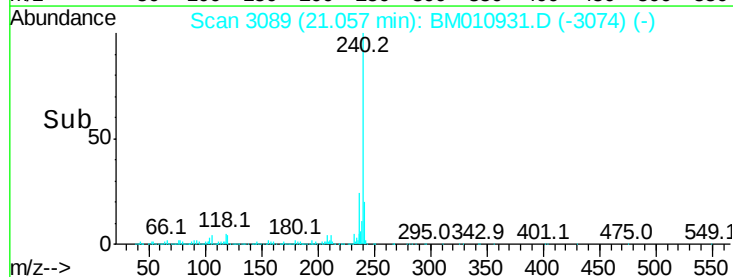
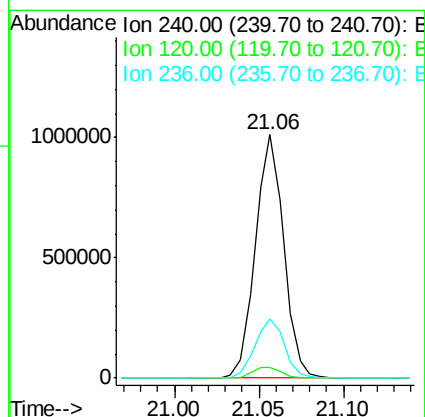
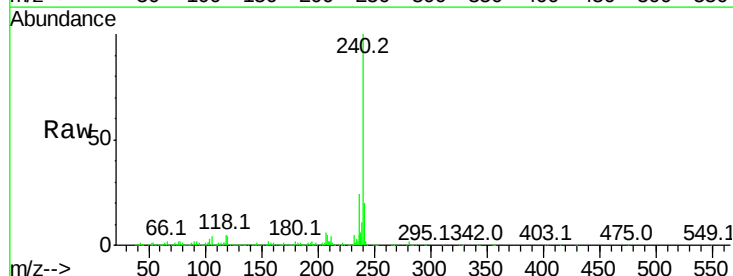
Instrument :
BNA_M
ClientSampleId :
M-COMB-4

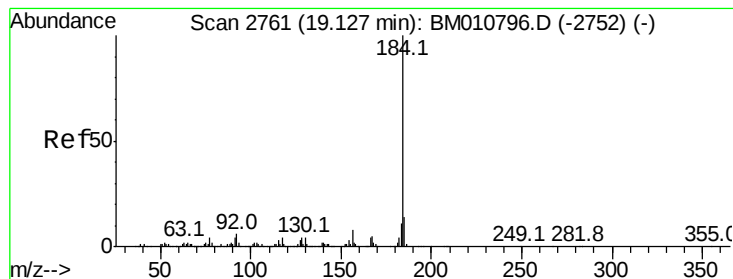
Tot Ion:188 Resp: 1166391
Ion Ratio Lower Upper
188 100
94 7.3 8.7 13.1#
80 7.5 9.3 13.9#



#75
Chrysene-d12
Concen: 20.000 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: 28.008 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

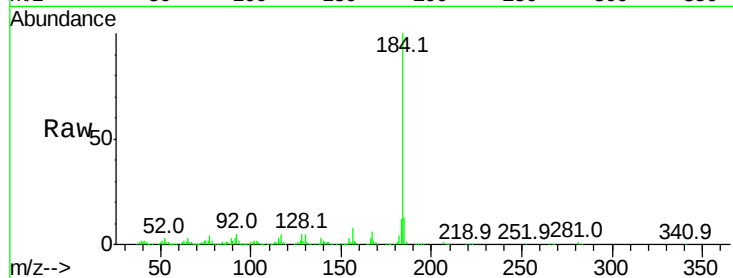
Tot Ion:184 Resp: 887039

Ion	Ratio	Lower	Upper
184	100		
185	13.4	11.3	16.9
183	12.0	8.9	13.3

184 100

185 13.4 11.3 16.9

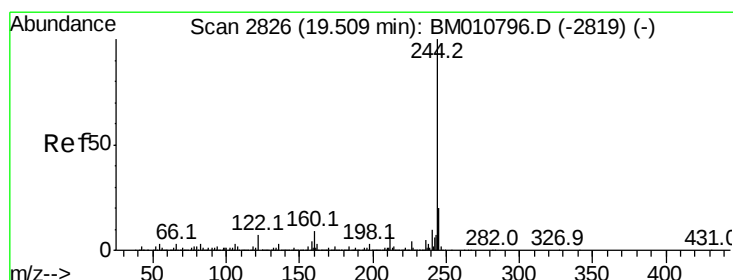
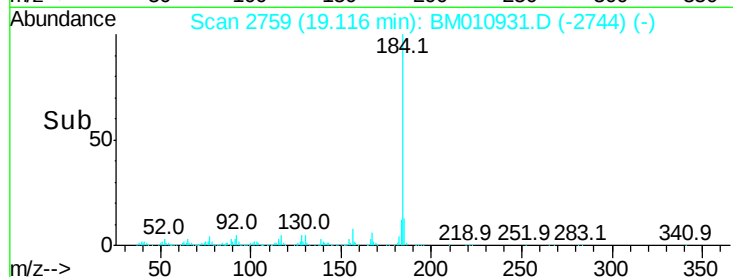
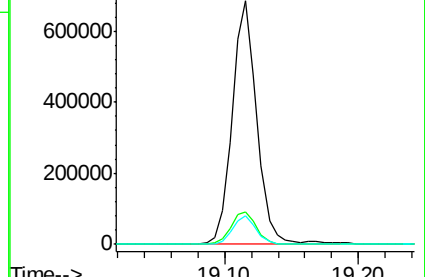
183 12.0 8.9 13.3



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: 91.930 ng

RT: 19.50 min Scan# 2825

Delta R.T. -0.01 min

Lab File: BM010931.D

Acq: 21 Jul 2017 04:41

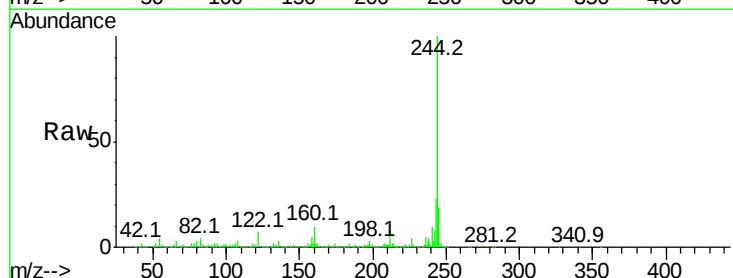
Tgt Ion:244 Resp: 5625364

Ion	Ratio	Lower	Upper
244	100		
212	7.9	4.9	7.3#
122	7.2	6.2	9.4

244 100

212 7.9 4.9 7.3#

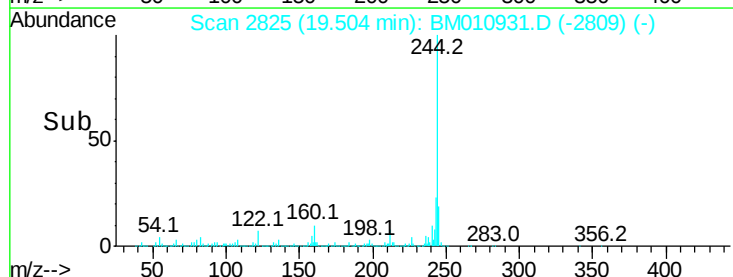
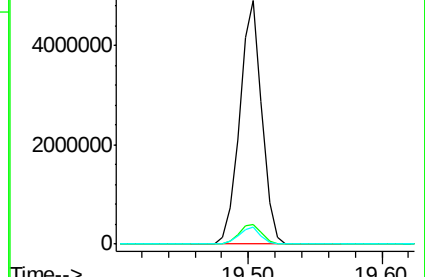
122 7.2 6.2 9.4

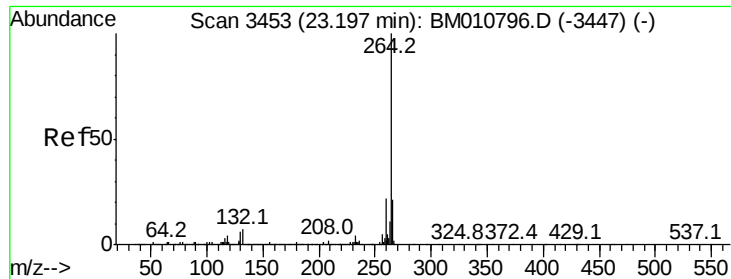


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 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

Tot Ion:264 Resp: 1097073

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

