

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072117\  
 Data File : BM010945.D  
 Acq On : 21 Jul 2017 20:48  
 Operator : SJ/JU  
 Sample : I4280-12  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-01-071817-D

Quant Time: Jul 21 23:26:29 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   | 7.42  | 152  | 289751   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.18 | 136  | 1037772  | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 14.07 | 164  | 632382   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 16.83 | 188  | 1457351  | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.05 | 240  | 1554877  | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 23.18 | 264  | 1313001  | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.07  | 112  | 1997483  | 114.20 | ng    | -0.01    |
| 7) Phenol-d6                | 6.62  | 99   | 2437019  | 101.06 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.57  | 82   | 2247040  | 83.23  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 15.58 | 330  | 1237636  | 128.07 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 12.69 | 172  | 4144141  | 81.52  | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.50 | 244  | 5988693  | 74.49  | ng    | -0.01    |

Target Compounds Qvalue

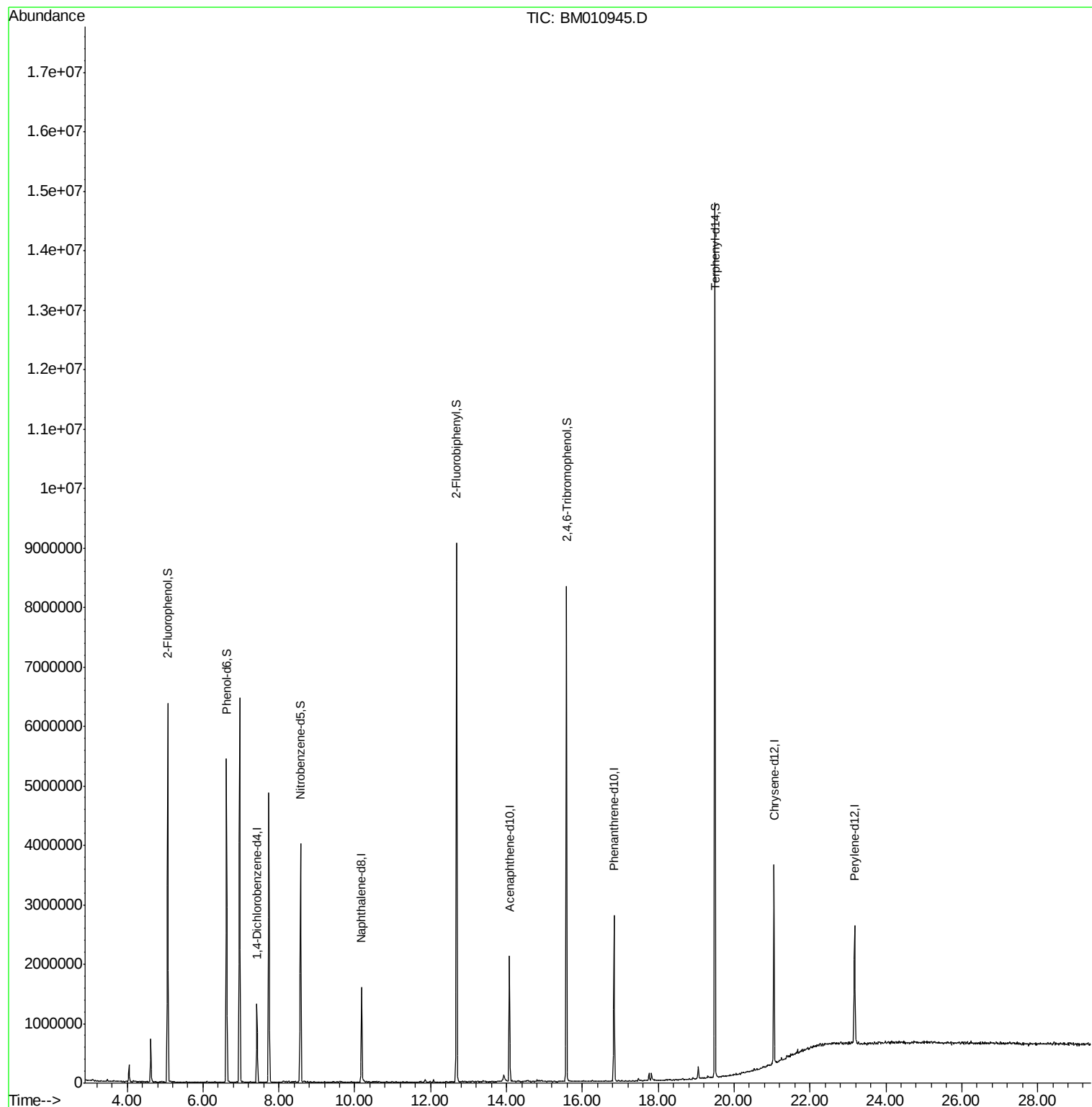
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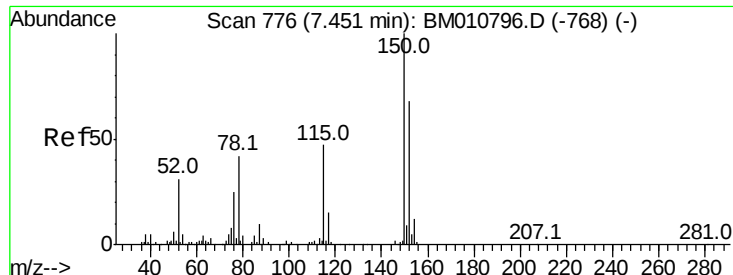
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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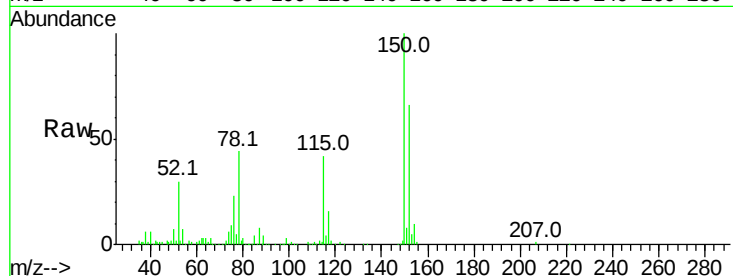


#1

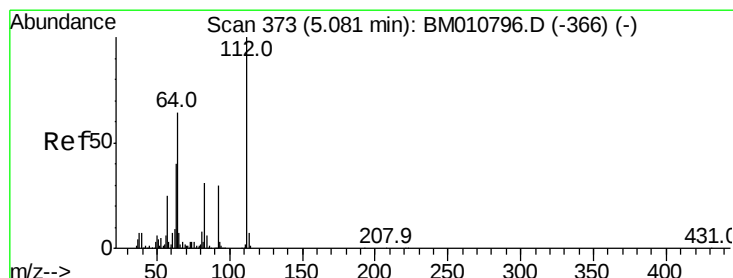
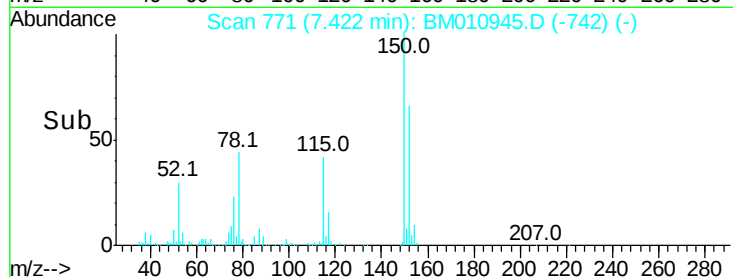
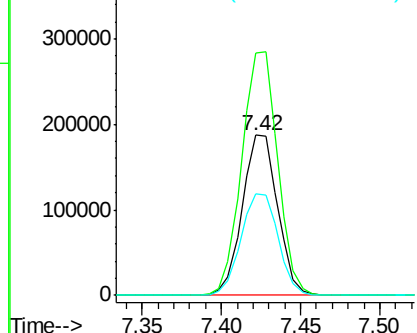
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.42 min Scan# 771  
Delta R.T. -0.03 min  
Lab File: BM010945.D  
Acq: 21 Jul 2017 20:48

Instrument :  
BNA\_M  
ClientSampleId :  
CL-01-071817-D

Tot Ion:152 Resp: 289751  
Ion Ratio Lower Upper  
152 100  
150 151.3 119.5 179.3  
115 63.2 43.0 64.4



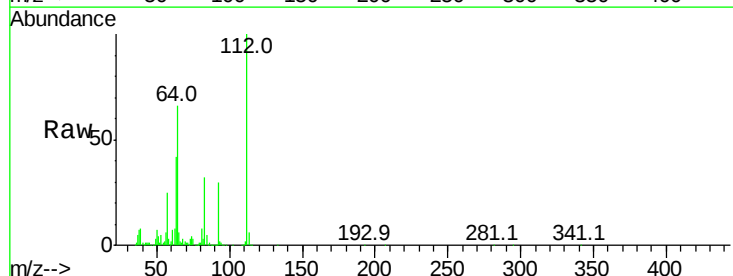
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



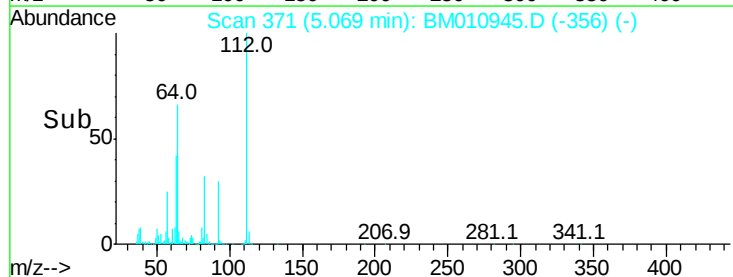
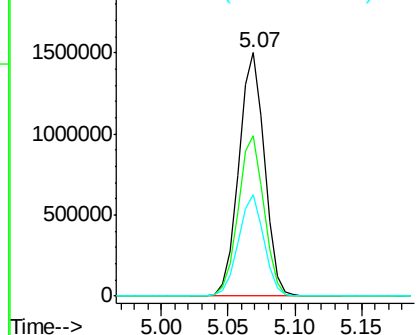
#5

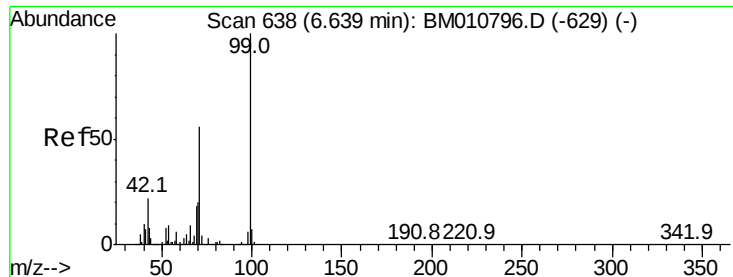
2-Fluorophenol  
Concen: 114.195 ng  
RT: 5.07 min Scan# 371  
Delta R.T. -0.01 min  
Lab File: BM010945.D  
Acq: 21 Jul 2017 20:48

Tgt Ion:112 Resp: 1997483  
Ion Ratio Lower Upper  
112 100  
64 65.6 38.6 57.8#  
63 41.5 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: 101.062 ng

RT: 6.62 min Scan# 635

Delta R.T. -0.02 min

Lab File: BM010945.D

Acq: 21 Jul 2017 20:48

Instrument :

BNA\_M

ClientSampleId :

CL-01-071817-D

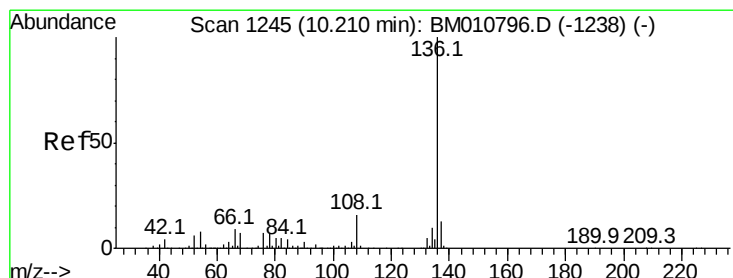
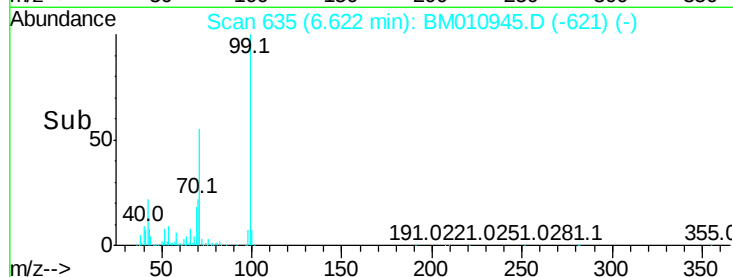
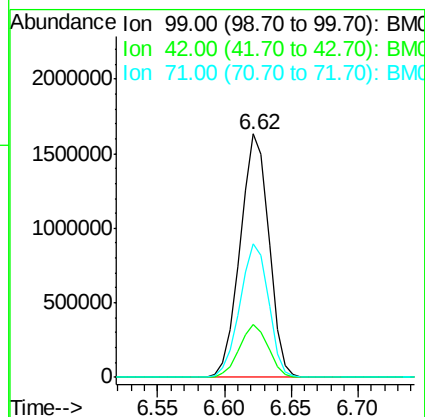
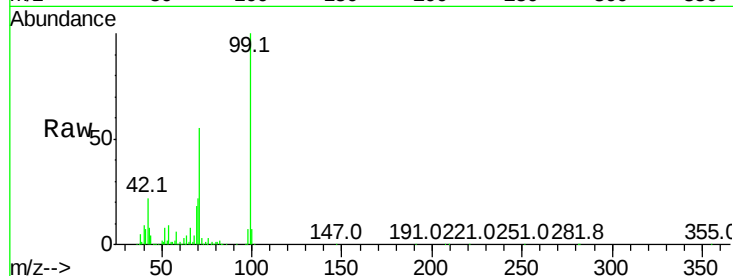
Tot Ion: 99 Resp: 2437019

Ion Ratio Lower Upper

99 100

42 21.9 11.0 16.4#

71 54.6 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.03 min

Lab File: BM010945.D

Acq: 21 Jul 2017 20:48

Tgt Ion: 136 Resp: 1037772

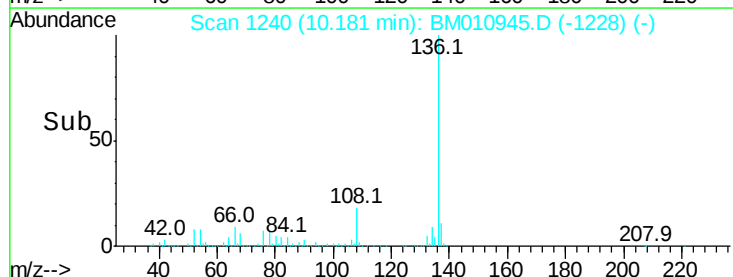
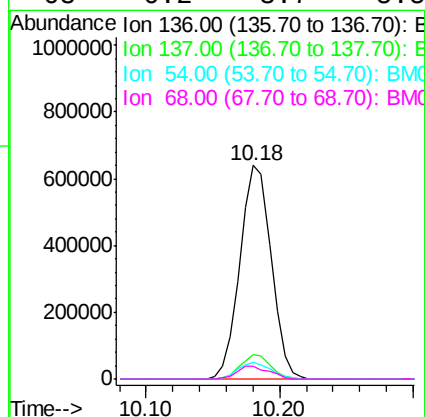
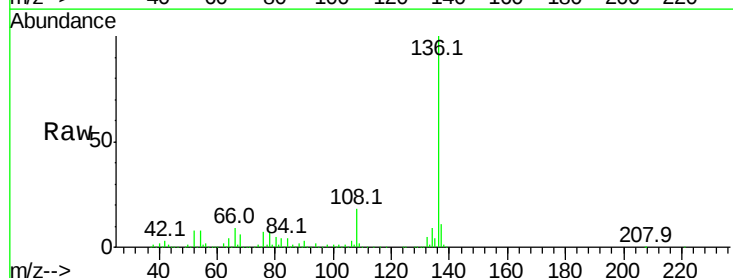
Ion Ratio Lower Upper

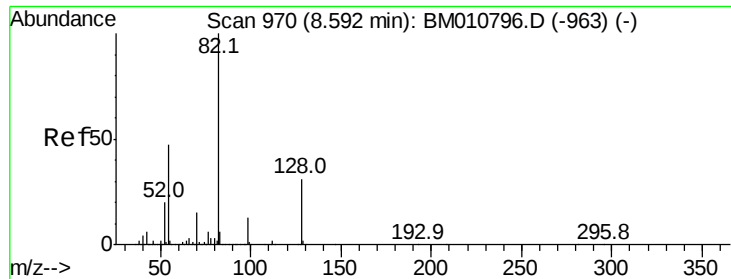
136 100

137 11.2 8.7 13.1

54 8.0 4.6 6.8#

68 6.2 3.7 5.5#

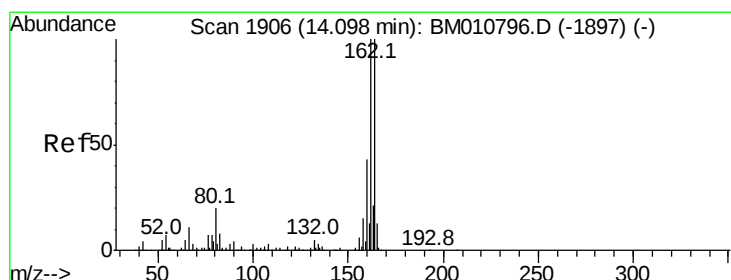
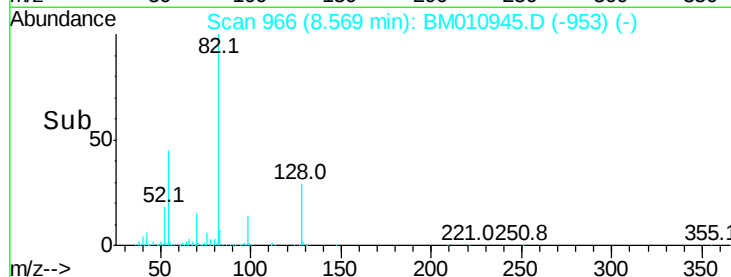
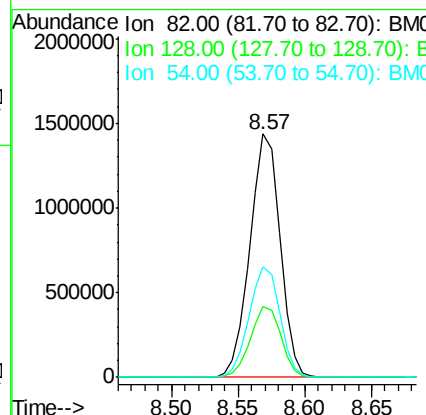
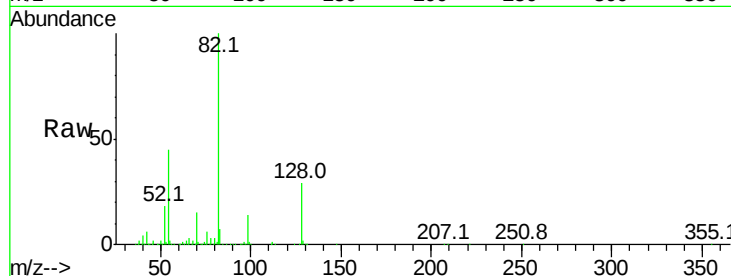




#23  
 Nitrobenzene-d5  
 Concen: 83.227 ng  
 RT: 8.57 min Scan# 966  
 Delta R.T. -0.02 min  
 Lab File: BM010945.D  
 Acq: 21 Jul 2017 20:48

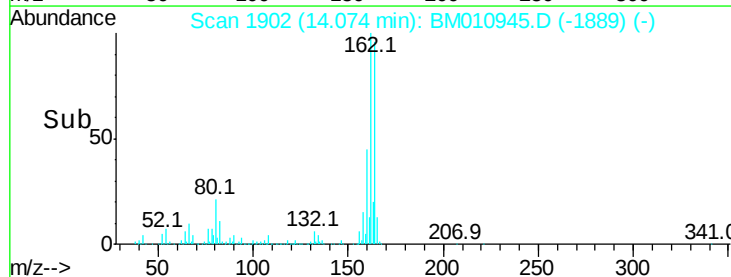
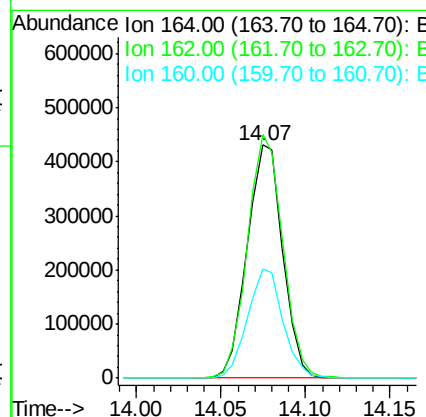
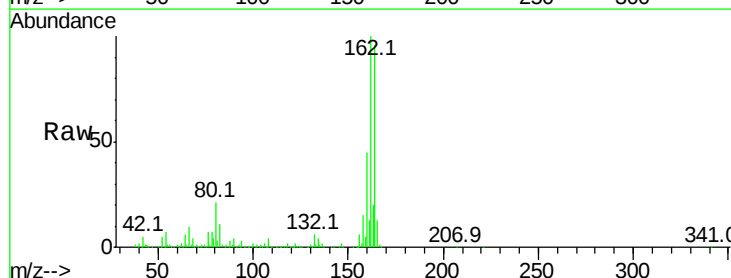
Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-01-071817-D

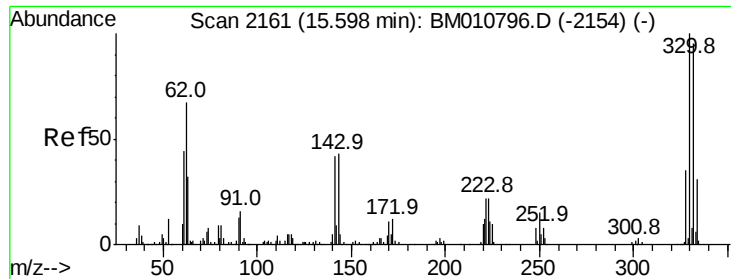
Tot Ion: 82 Resp: 2247040  
 Ion Ratio Lower Upper  
 82 100  
 128 29.1 32.8 49.2#  
 54 45.4 40.6 60.8



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.07 min Scan# 1902  
 Delta R.T. -0.02 min  
 Lab File: BM010945.D  
 Acq: 21 Jul 2017 20:48

Tgt Ion: 164 Resp: 632382  
 Ion Ratio Lower Upper  
 164 100  
 162 104.5 82.4 123.6  
 160 47.0 35.8 53.6

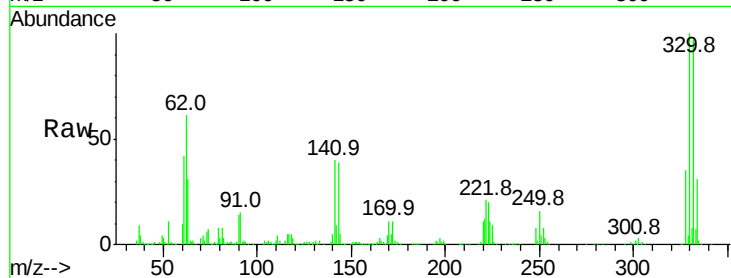




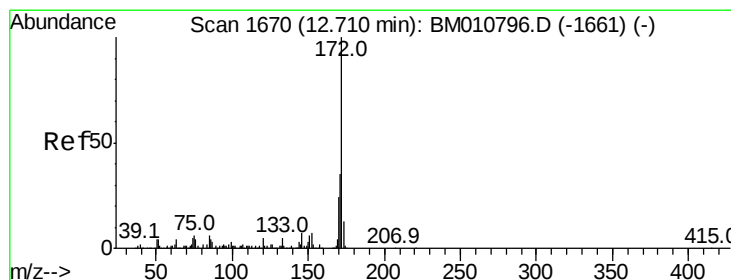
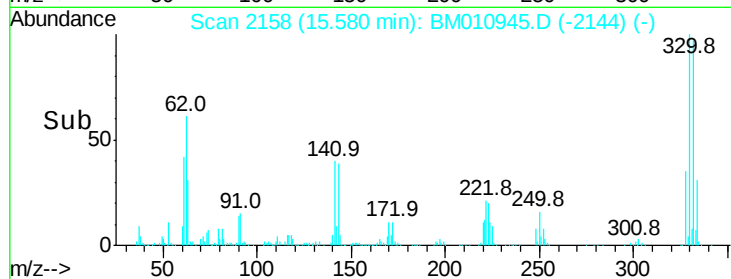
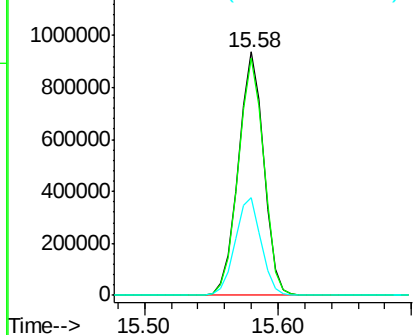
#41  
 2,4,6-Tribromophenol  
 Concen: 128.067 ng  
 RT: 15.58 min Scan# 2158  
 Delta R.T. -0.02 min  
 Lab File: BM010945.D  
 Acq: 21 Jul 2017 20:48

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-01-071817-D

Tot Ion:330 Resp: 1237636  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 0.0 0.0#  
 141 41.0 0.0 0.0#

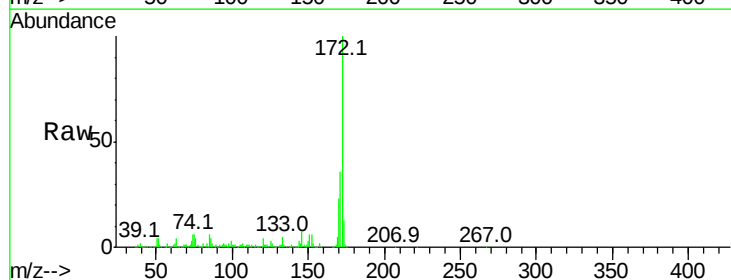


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

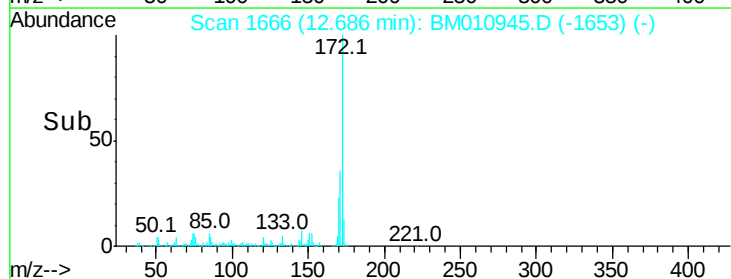
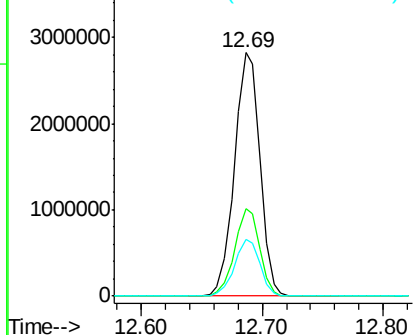


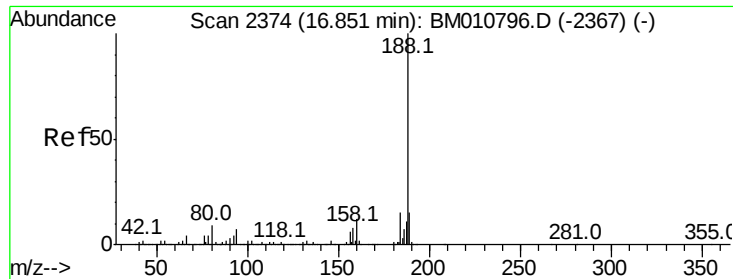
#44  
 2-Fluorobiphenyl  
 Concen: 81.524 ng  
 RT: 12.69 min Scan# 1666  
 Delta R.T. -0.02 min  
 Lab File: BM010945.D  
 Acq: 21 Jul 2017 20:48

Tgt Ion:172 Resp: 4144141  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.5 42.7  
 170 23.3 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: 16.83 min Scan# 2371

Delta R.T. -0.02 min

Lab File: BM010945.D

Acq: 21 Jul 2017 20:48

Instrument :

BNA\_M

ClientSampleId :

CL-01-071817-D

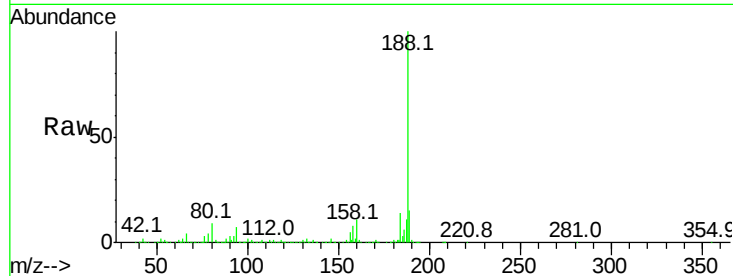
Tot Ion:188 Resp: 1457351

Ion Ratio Lower Upper

188 100

94 7.2 8.7 13.1#

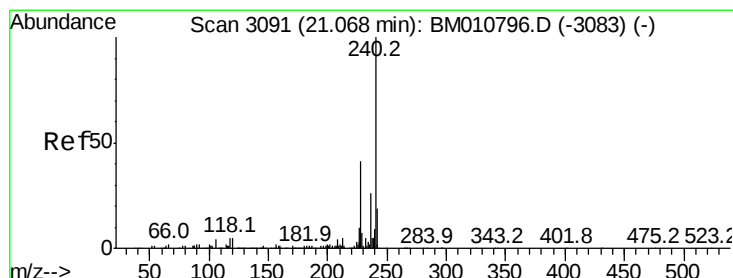
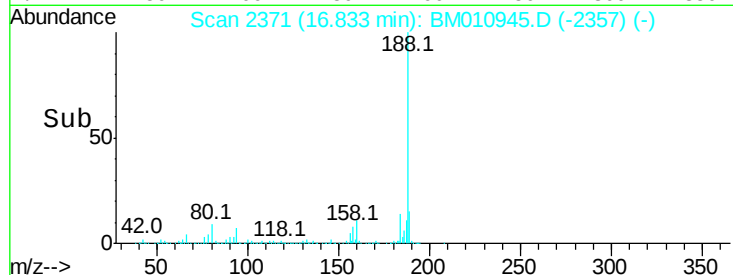
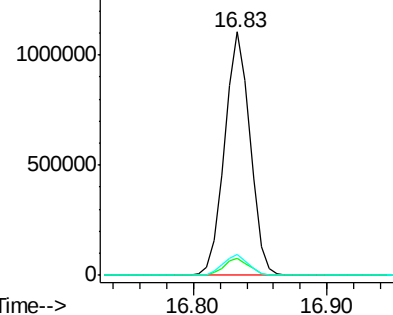
80 8.6 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.05 min Scan# 3088

Delta R.T. -0.02 min

Lab File: BM010945.D

Acq: 21 Jul 2017 20:48

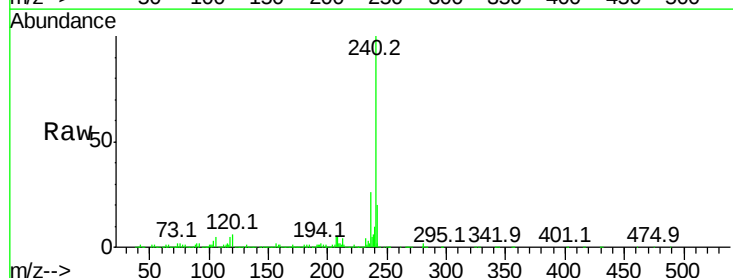
Tgt Ion:240 Resp: 1554877

Ion Ratio Lower Upper

240 100

120 6.1 8.2 12.2#

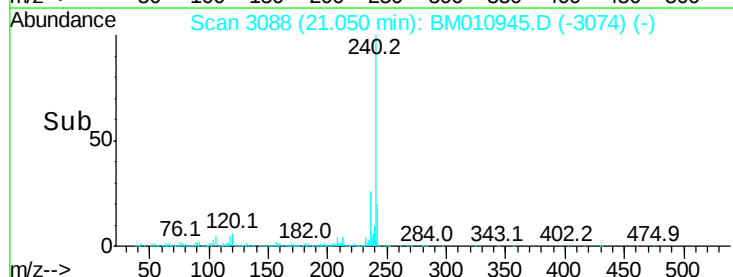
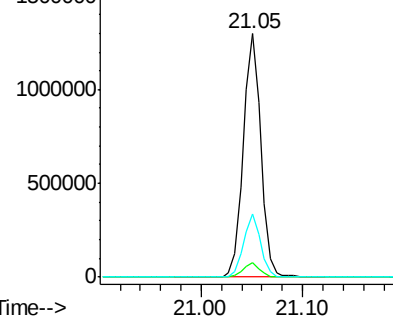
236 25.8 20.0 30.0

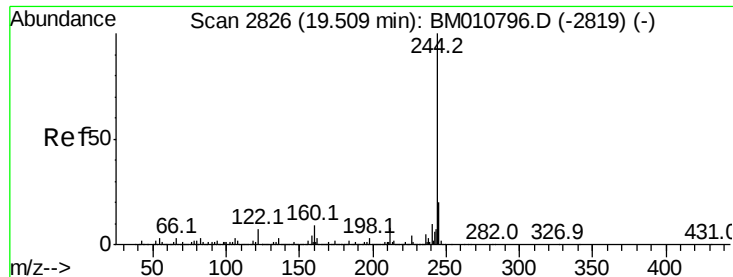


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

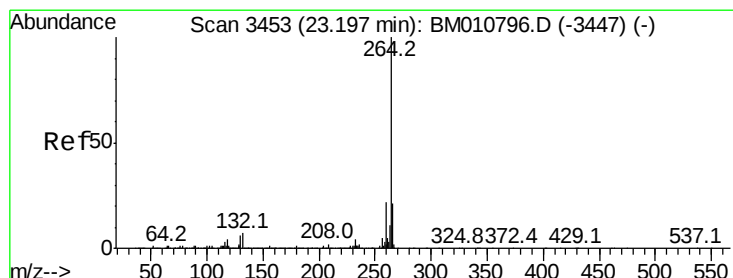
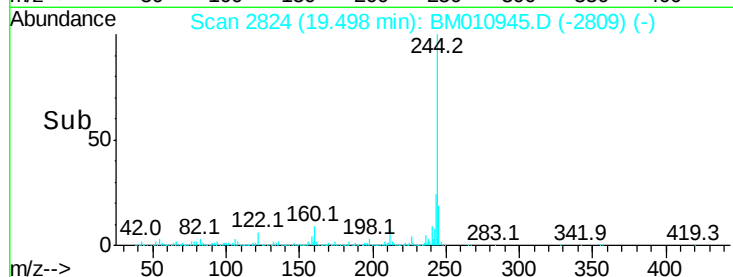
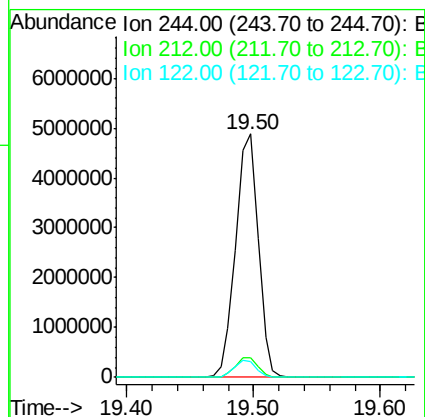
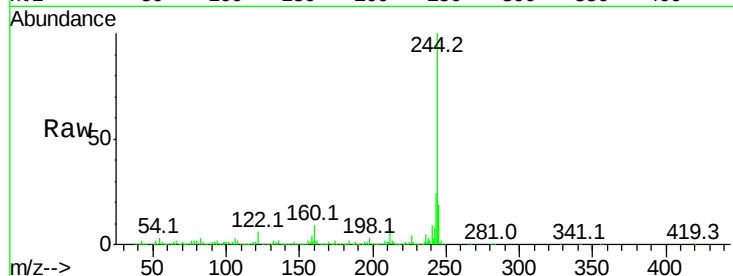




#78  
 Terphenyl-d14  
 Concen: 74.493 ng  
 RT: 19.50 min Scan# 2824  
 Delta R.T. -0.01 min  
 Lab File: BM010945.D  
 Acq: 21 Jul 2017 20:48

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Tot Ion:244 Resp: 5988693  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 4.9 7.3#  
 122 6.4 6.2 9.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.18 min Scan# 3450  
 Delta R.T. -0.02 min  
 Lab File: BM010945.D  
 Acq: 21 Jul 2017 20:48

Tgt Ion:264 Resp: 1313001  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 18.6 27.8  
 265 21.4 17.3 25.9

