

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM071317\  
 Data File : BM010830.D  
 Acq On : 14 Jul 2017 01:46  
 Operator : SJ/JU  
 Sample : I4164-03  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 72-11975-COMP

Quant Time: Jul 14 04:18:27 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  | 175838   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.20 | 136  | 614007   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.09 | 164  | 371362   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 16.85 | 188  | 865922   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.06 | 240  | 1041222  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.19 | 264  | 1011641  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.08  | 112  | 1223015  | 115.21 | ng    | 0.00     |
| 7) Phenol-d6                | 6.64  | 99   | 1488717  | 101.73 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.59  | 82   | 1377887  | 86.26  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.60 | 330  | 746445   | 131.53 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.71 | 172  | 2612072  | 87.50  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.51 | 244  | 4218257  | 78.36  | ng    | 0.00     |

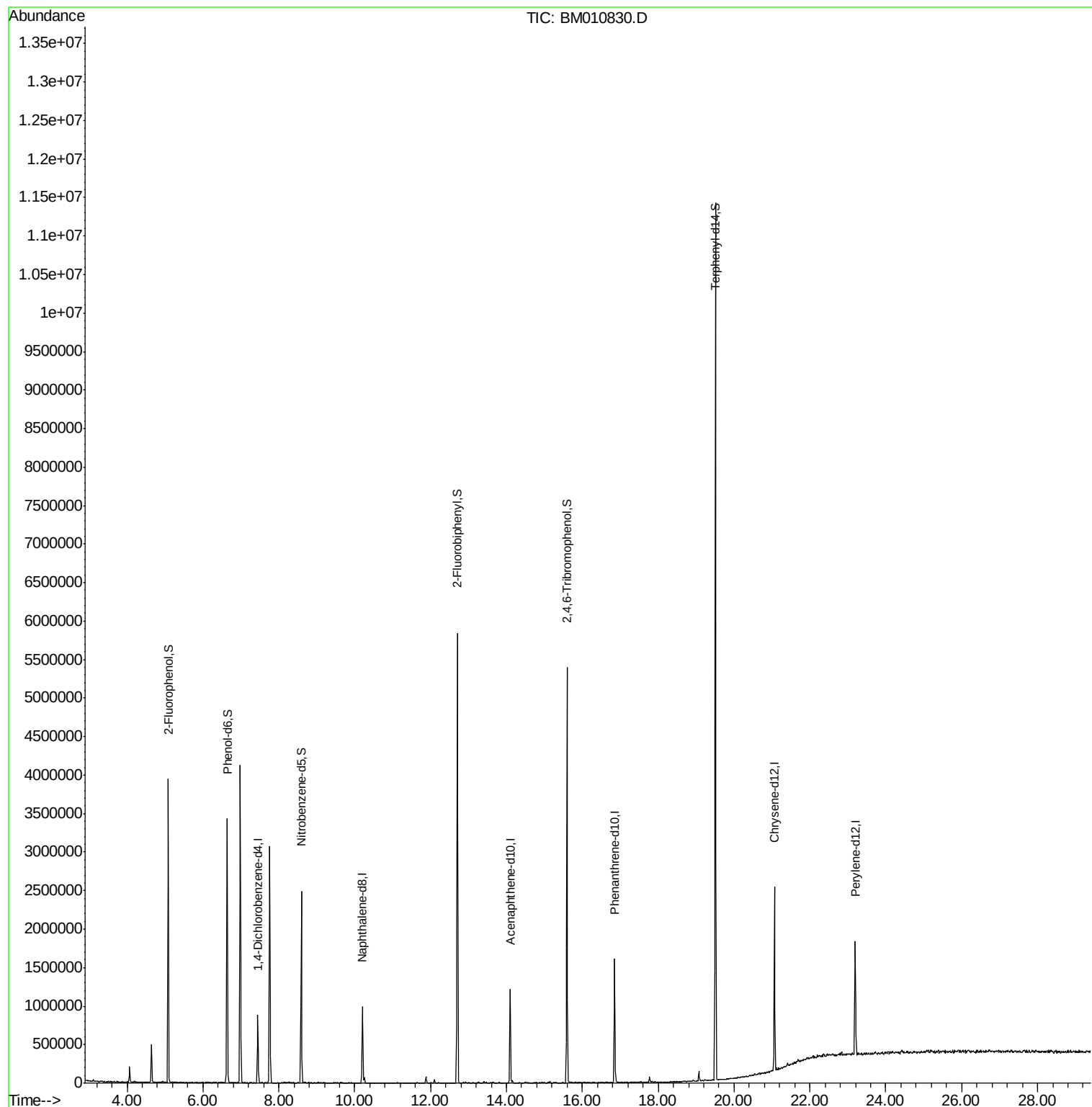
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

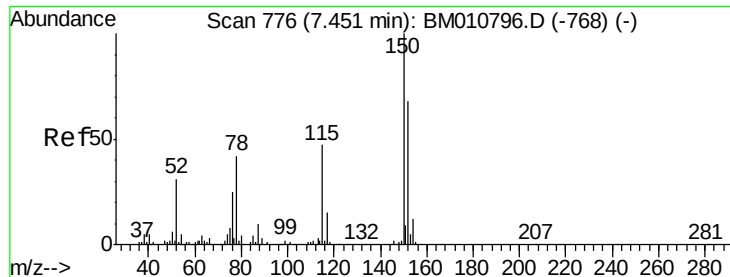
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
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QLast Update : Wed Jul 12 14:21:16 2017  
Response via : Initial Calibration



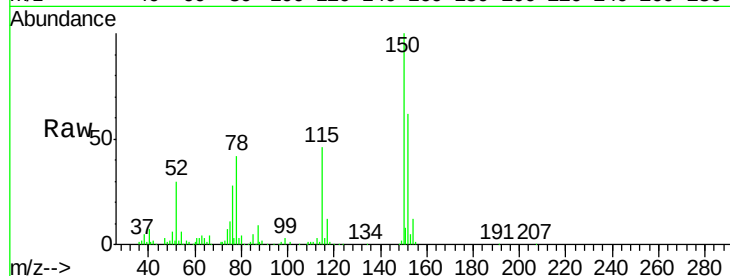


#1

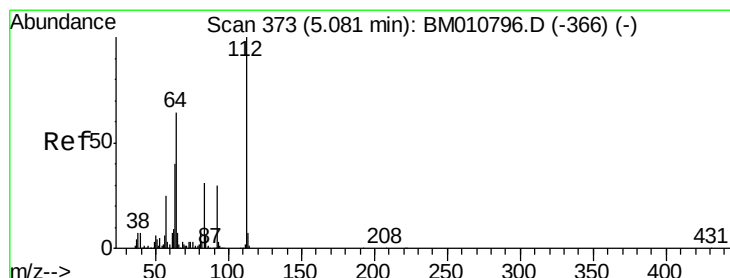
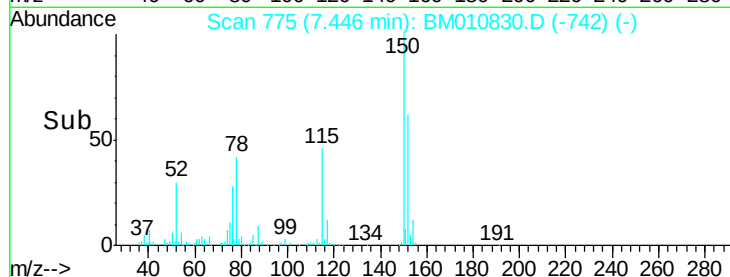
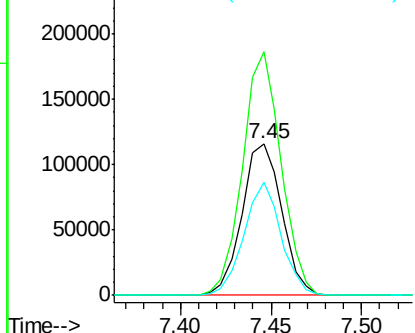
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.45 min Scan# 775  
Delta R.T. -0.01 min  
Lab File: BM010830.D  
Acq: 14 Jul 2017 01:46

Instrument :  
BNA\_M  
ClientSampleId :  
72-11975-COMP

Tgt Ion:152 Resp: 175838  
Ion Ratio Lower Upper  
152 100  
150 160.6 119.5 179.3  
115 74.2 43.0 64.4#



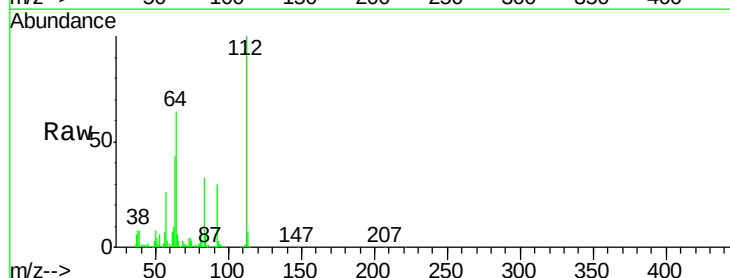
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



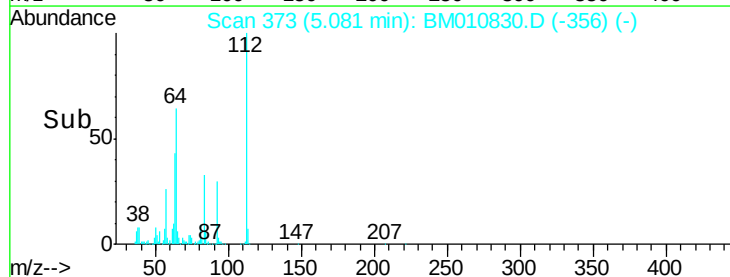
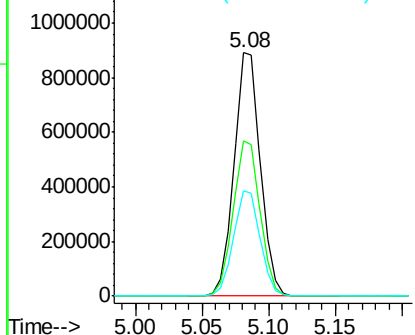
#5

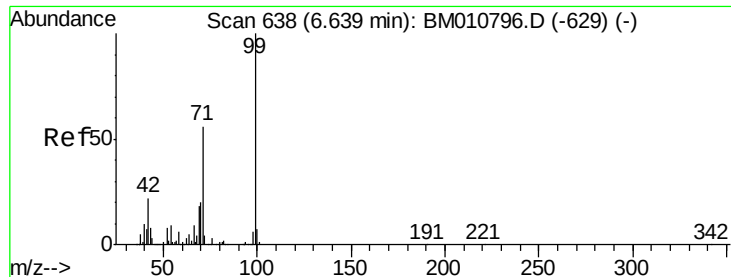
2-Fluorophenol  
Concen: 115.215 ng  
RT: 5.08 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: BM010830.D  
Acq: 14 Jul 2017 01:46

Tgt Ion:112 Resp: 1223015  
Ion Ratio Lower Upper  
112 100  
64 63.7 38.6 57.8#  
63 43.2 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: 101.731 ng

RT: 6.64 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM010830.D

Acq: 14 Jul 2017 01:46

Instrument :

BNA\_M

ClientSampleId :

72-11975-COMP

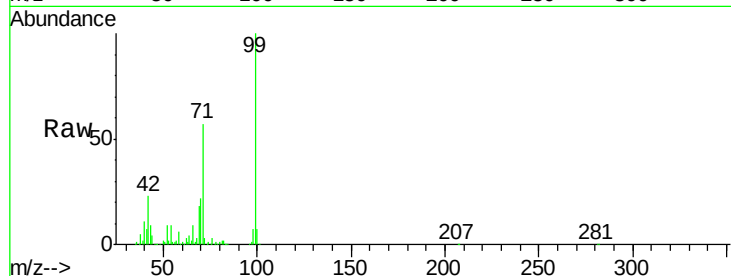
Tgt Ion: 99 Resp: 1488717

Ion Ratio Lower Upper

99 100

42 23.1 11.0 16.4#

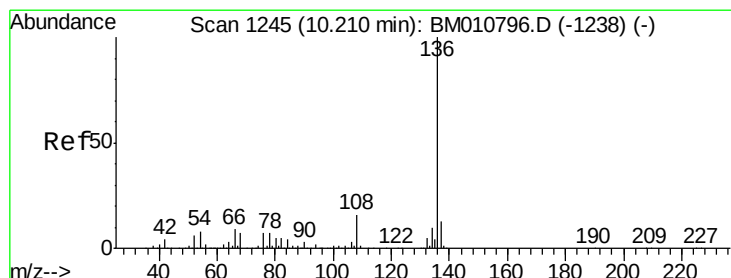
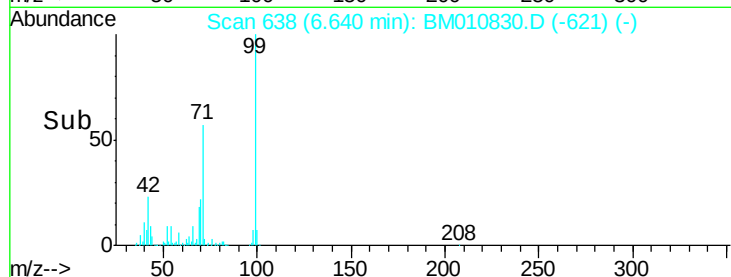
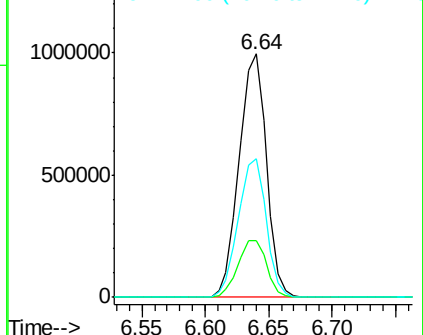
71 57.2 23.4 35.2#



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: BM010830.D

Acq: 14 Jul 2017 01:46

Tgt Ion: 136 Resp: 614007

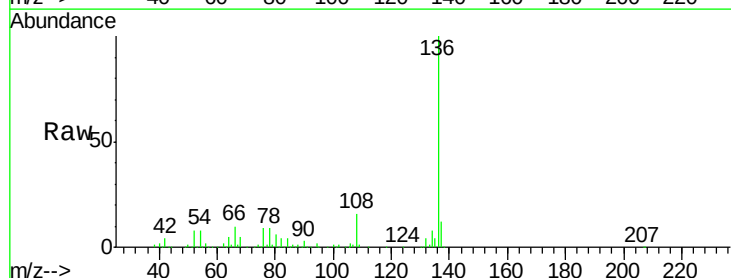
Ion Ratio Lower Upper

136 100

137 11.8 8.7 13.1

54 8.1 4.6 6.8#

68 5.4 3.7 5.5

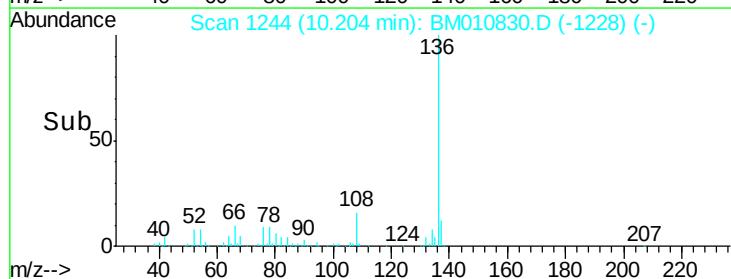
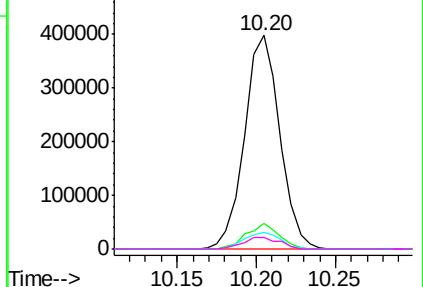


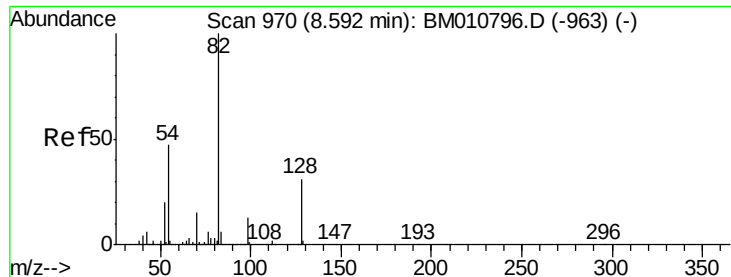
Abundance Ion 136.00 (135.70 to 136.70): BM010796.D (-1238) (-)

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) (-)

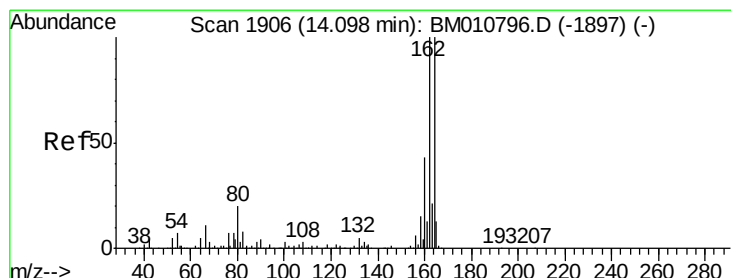
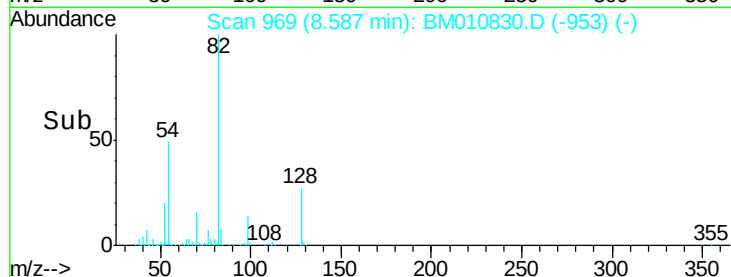
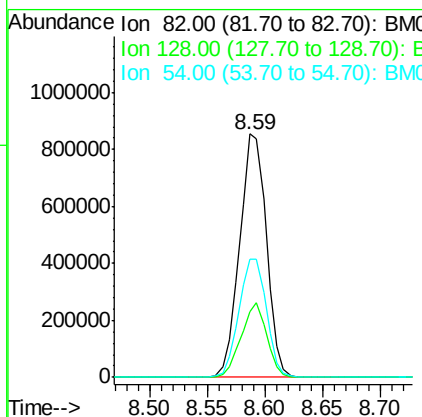
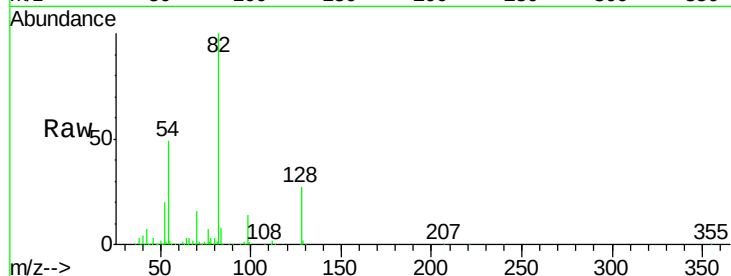




#23  
 Nitrobenzene-d5  
 Concen: 86.257 ng  
 RT: 8.59 min Scan# 969  
 Delta R.T. -0.01 min  
 Lab File: BM010830.D  
 Acq: 14 Jul 2017 01:46

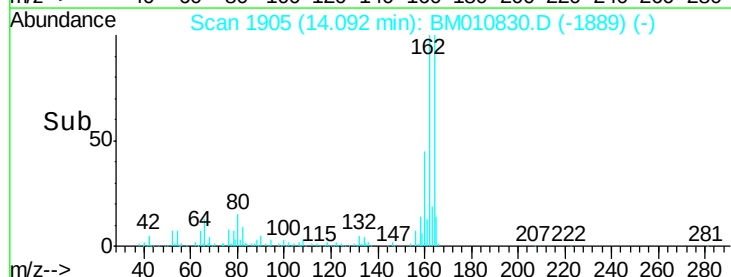
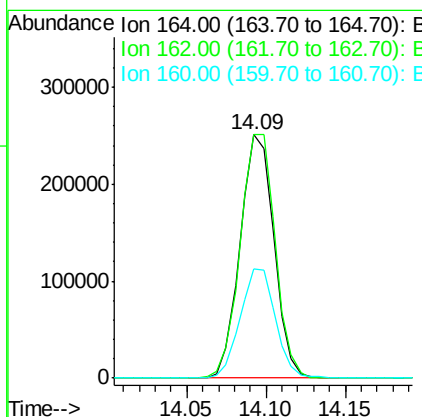
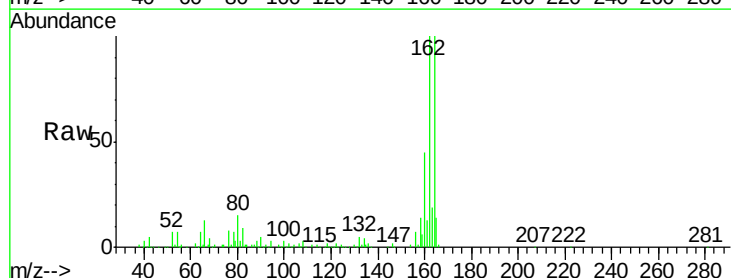
Instrument :  
 BNA\_M  
 ClientSampleId :  
 72-11975-COMP

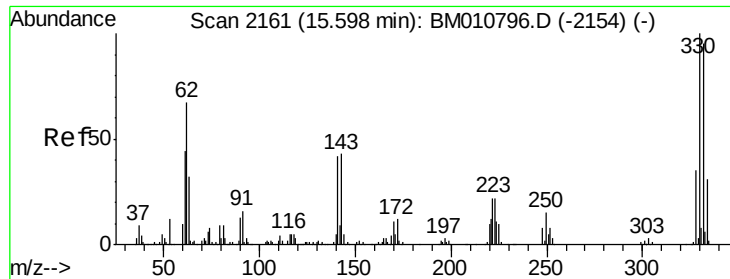
Tgt Ion: 82 Resp: 1377887  
 Ion Ratio Lower Upper  
 82 100  
 128 27.1 32.8 49.2#  
 54 48.7 40.6 60.8



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.09 min Scan# 1905  
 Delta R.T. -0.01 min  
 Lab File: BM010830.D  
 Acq: 14 Jul 2017 01:46

Tgt Ion: 164 Resp: 371362  
 Ion Ratio Lower Upper  
 164 100  
 162 99.9 82.4 123.6  
 160 44.6 35.8 53.6

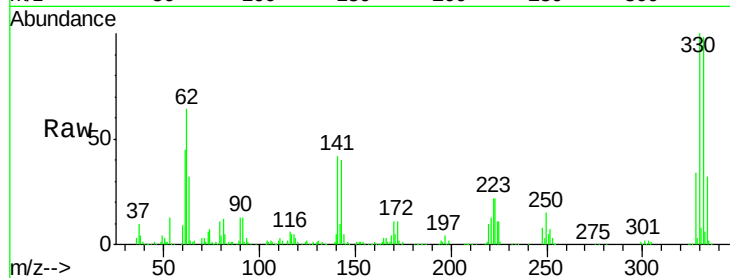




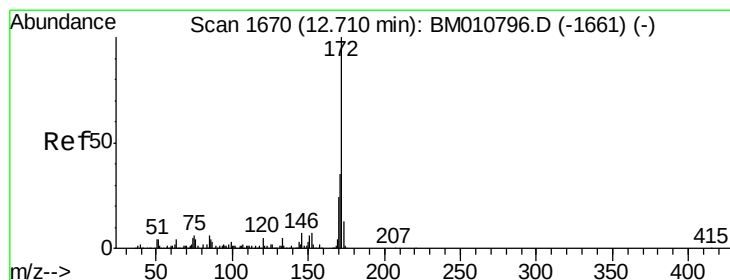
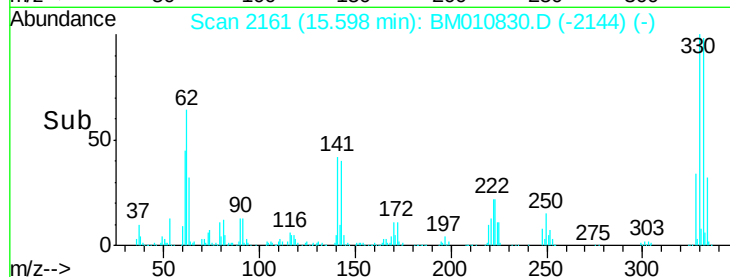
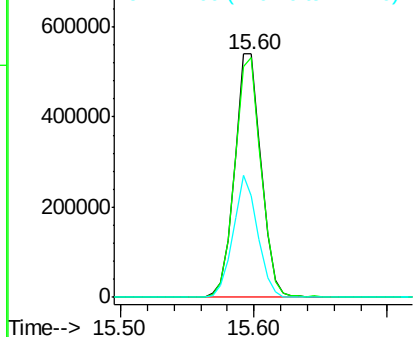
#41  
 2,4,6-Tribromophenol  
 Concen: 131.530 ng  
 RT: 15.60 min Scan# 2161  
 Delta R.T. 0.00 min  
 Lab File: BM010830.D  
 Acq: 14 Jul 2017 01:46

Instrument :  
 BNA\_M  
 ClientSampleId :  
 72-11975-COMP

Tgt Ion:330 Resp: 746445  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 0.0 0.0#  
 141 46.1 0.0 0.0#

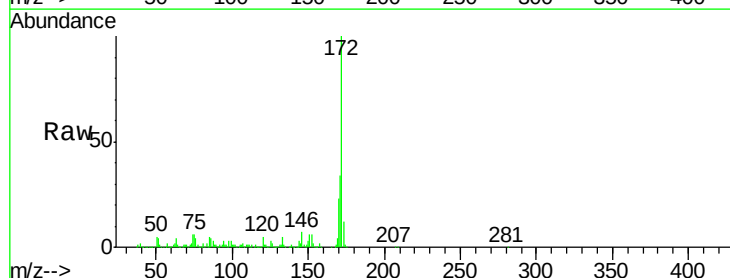


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

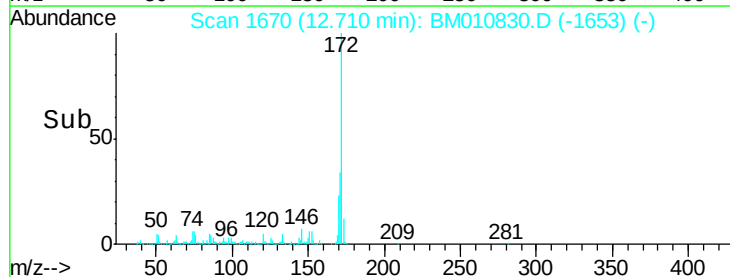
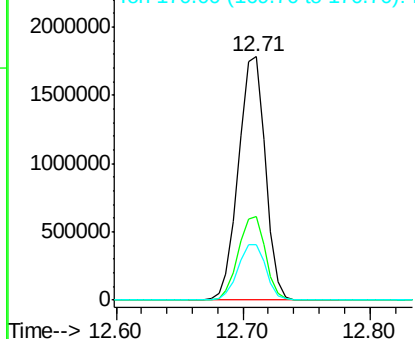


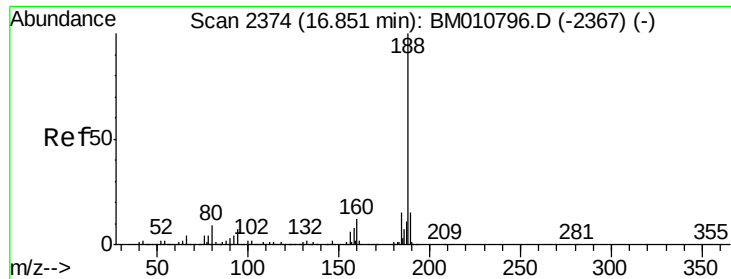
#44  
 2-Fluorobiphenyl  
 Concen: 87.502 ng  
 RT: 12.71 min Scan# 1670  
 Delta R.T. 0.00 min  
 Lab File: BM010830.D  
 Acq: 14 Jul 2017 01:46

Tgt Ion:172 Resp: 2612072  
 Ion Ratio Lower Upper  
 172 100  
 171 34.3 28.5 42.7  
 170 23.0 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

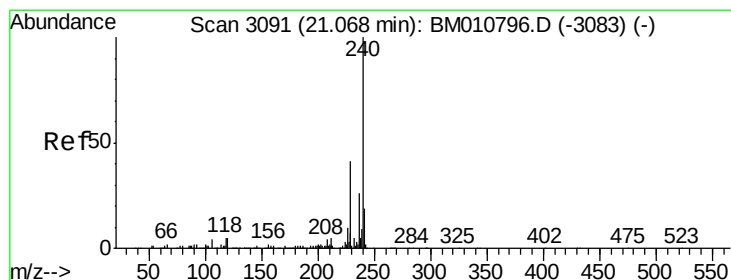
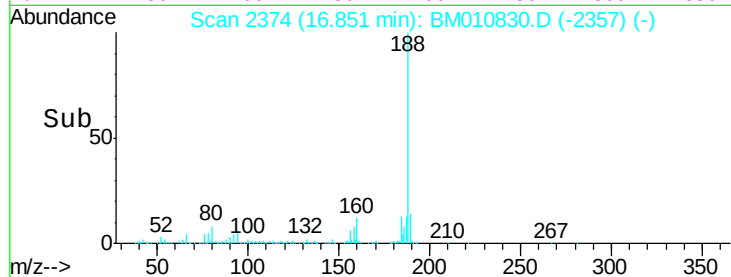
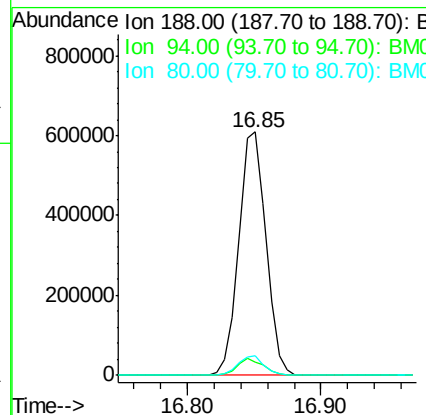
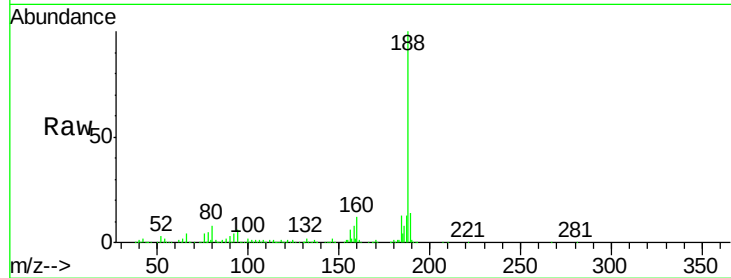




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.85 min Scan# 2374  
Delta R.T. 0.00 min  
Lab File: BM010830.D  
Acq: 14 Jul 2017 01:46

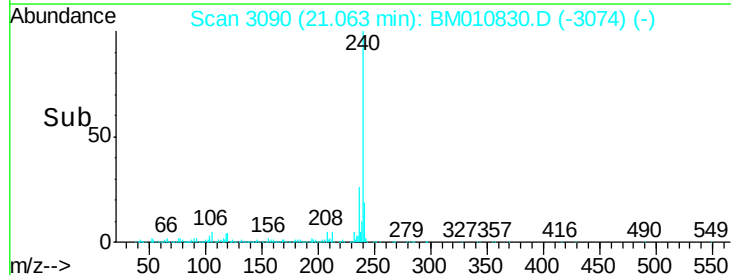
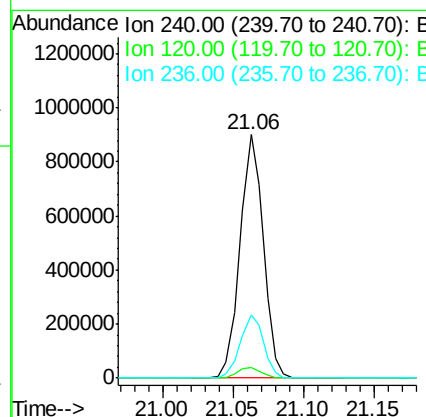
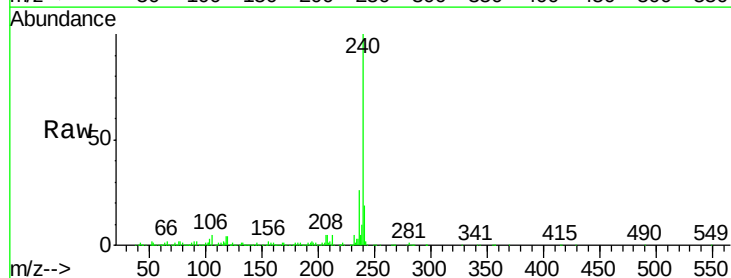
Instrument :  
BNA\_M  
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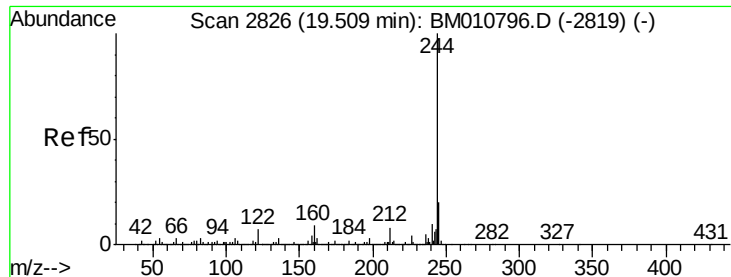
Tgt Ion:188 Resp: 865922  
Ion Ratio Lower Upper  
188 100  
94 5.5 8.7 13.1#  
80 8.2 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.06 min Scan# 3090  
Delta R.T. -0.01 min  
Lab File: BM010830.D  
Acq: 14 Jul 2017 01:46

Tgt Ion:240 Resp: 1041222  
Ion Ratio Lower Upper  
240 100  
120 4.5 8.2 12.2#  
236 26.0 20.0 30.0





#78

Terphenyl-d14

Concen: 78.355 ng

RT: 19.51 min Scan# 2826

Delta R.T. 0.00 min

Lab File: BM010830.D

Acq: 14 Jul 2017 01:46

Instrument :

BNA\_M

ClientSampleId :

72-11975-COMP

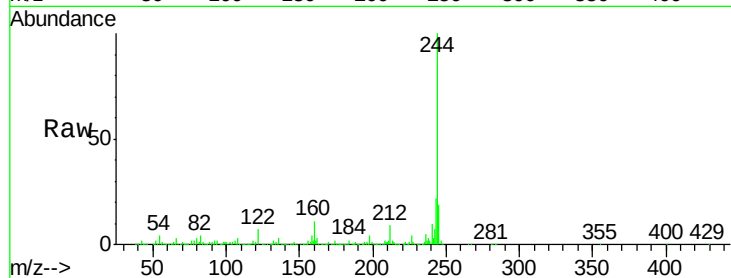
Tgt Ion:244 Resp: 4218257

Ion Ratio Lower Upper

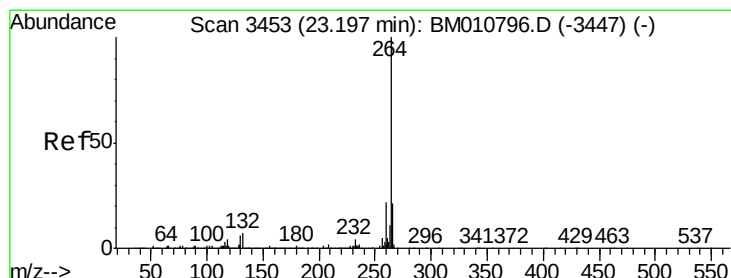
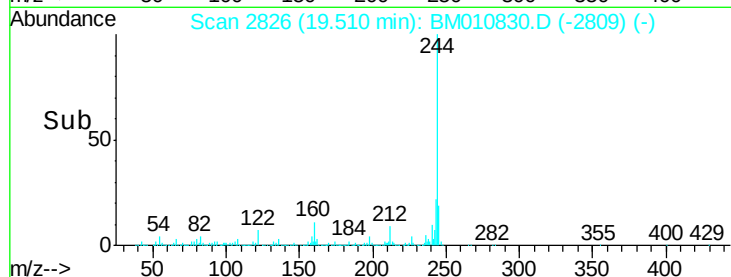
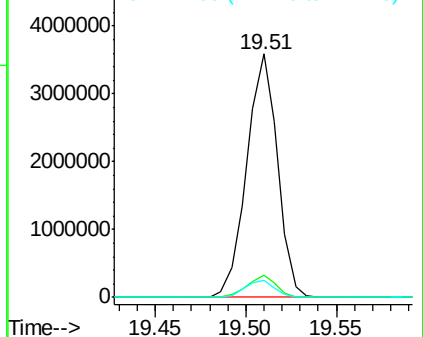
244 100

212 9.1 4.9 7.3#

122 7.0 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: BM010830.D

Acq: 14 Jul 2017 01:46

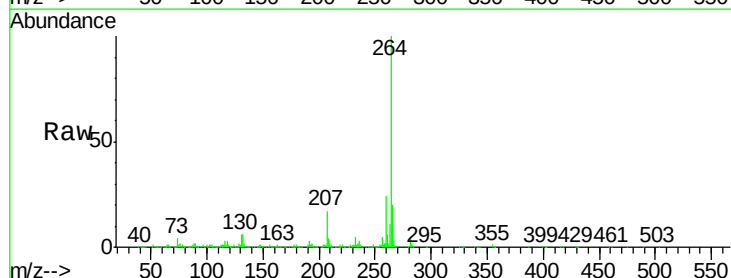
Tgt Ion:264 Resp: 1011641

Ion Ratio Lower Upper

264 100

260 24.2 18.6 27.8

265 20.4 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

