

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\  
 Data File : BF087297.D  
 Acq On : 22 May 2016 18:15  
 Operator : UM/SJ  
 Sample : H3172-14  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-13

Quant Time: May 23 04:34:43 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 23 03:47:59 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.56  | 152  | 114835   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.85  | 136  | 492846   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.59  | 164  | 237668   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.06 | 188  | 394225   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.69 | 240  | 269755   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.05 | 264  | 219489   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.14  | 112  | 522191   | 76.43  | ng    | 0.00     |
| 7) Phenol-d6                | 6.23  | 99   | 452942   | 49.43  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.13  | 82   | 971149   | 98.21  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.39 | 330  | 337331   | 128.44 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.92  | 172  | 1525181  | 106.28 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.65 | 244  | 1214945  | 101.88 | ng    | 0.00     |

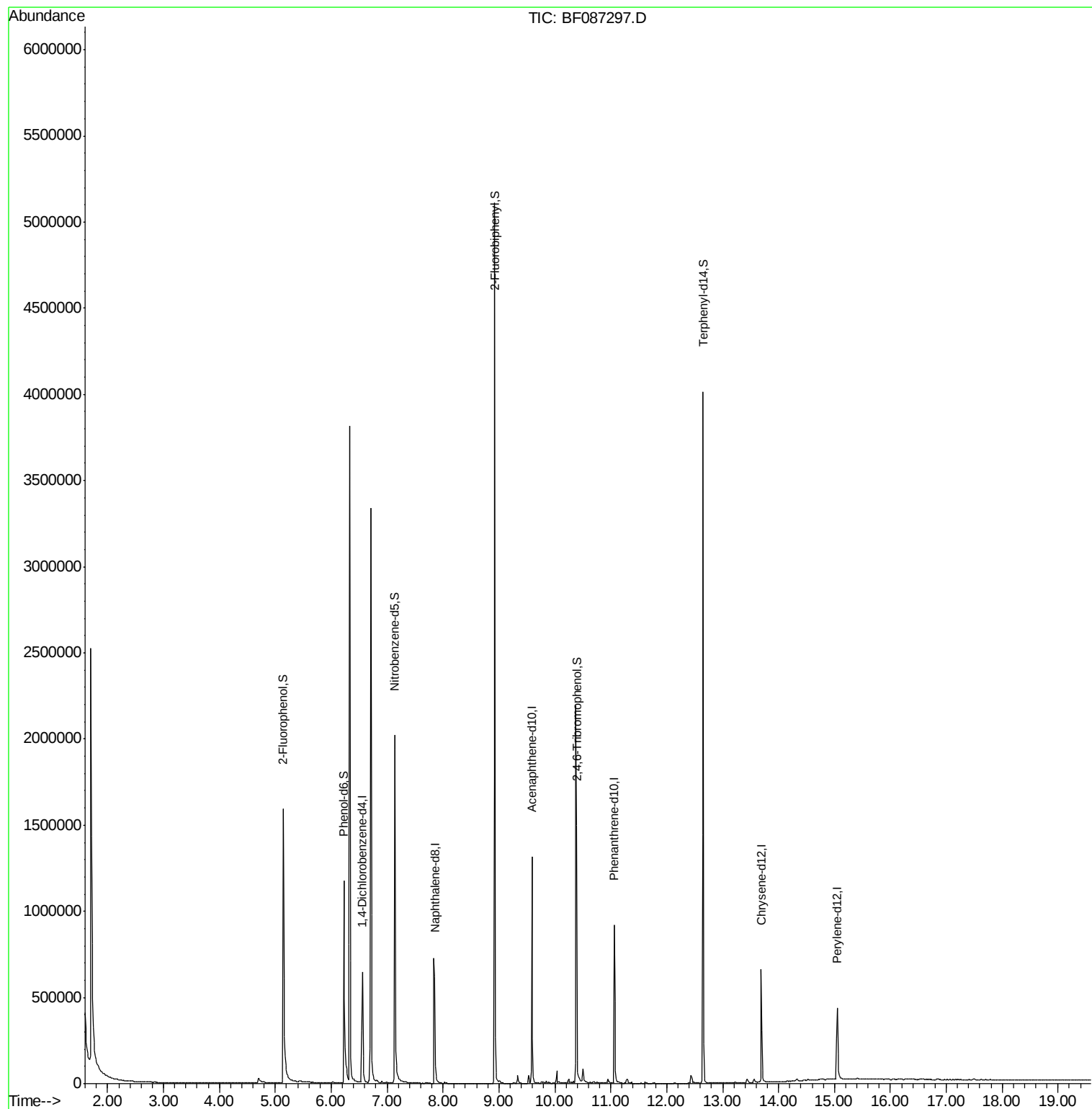
Target Compounds Qvalue

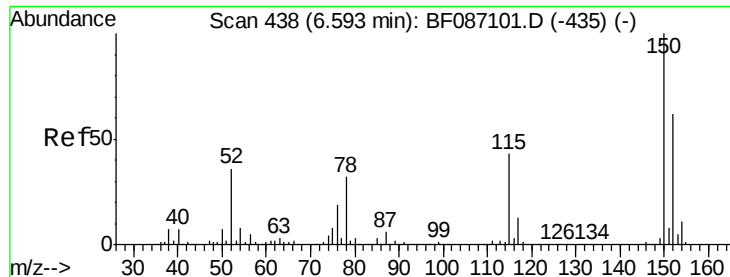
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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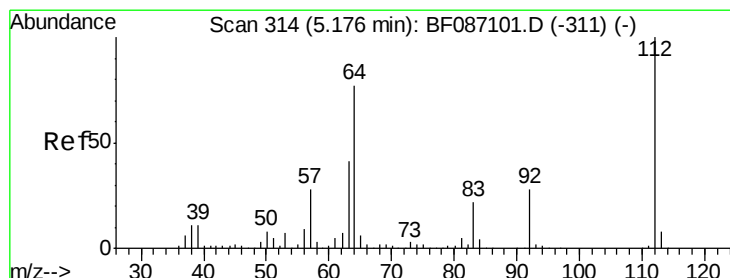
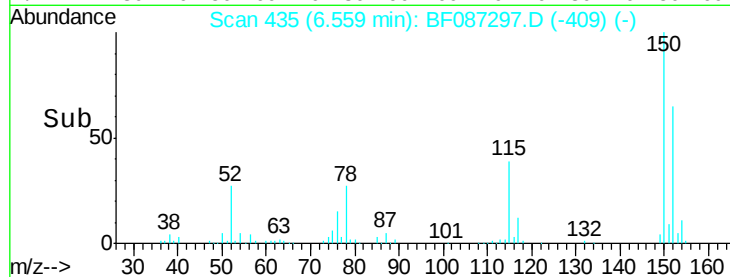
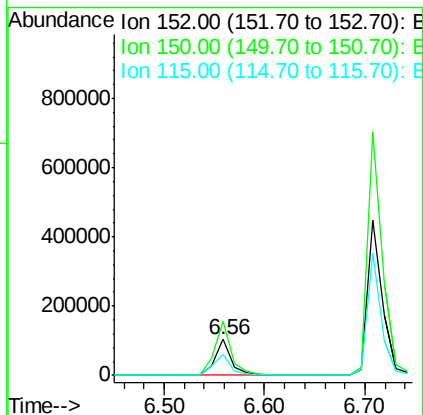
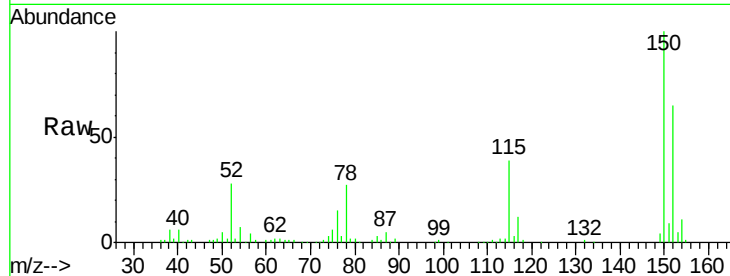


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.56 min Scan# 435  
Delta R.T. 0.00 min  
Lab File: BF087297.D  
Acq: 22 May 2016 18:15

Instrument :  
BNA\_F  
ClientSampleId :  
MW-13

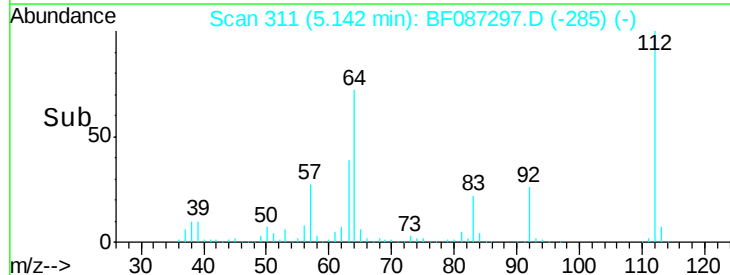
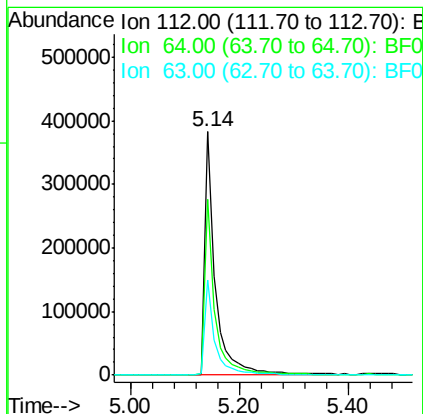
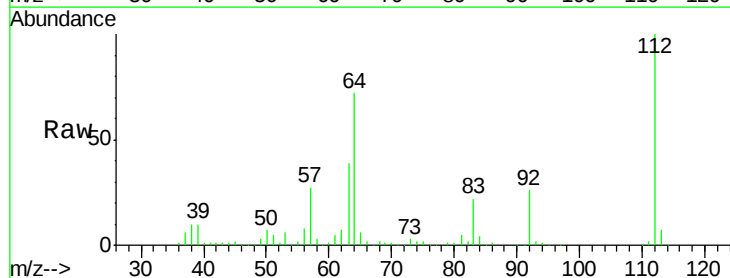
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.9 | 125.8 | 188.6 |
| 115     | 60.4  | 51.5  | 77.3  |



#5

2-Fluorophenol  
Concen: 76.43 ng  
RT: 5.14 min Scan# 311  
Delta R.T. 0.00 min  
Lab File: BF087297.D  
Acq: 22 May 2016 18:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 72.2  | 52.1  | 78.1  |
| 63      | 39.3  | 25.7  | 38.5  |





#7

Phenol-d6

Concen: 49.43 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF087297.D

Acq: 22 May 2016 18:15

Instrument :

BNA\_F

ClientSampleId :

MW-13

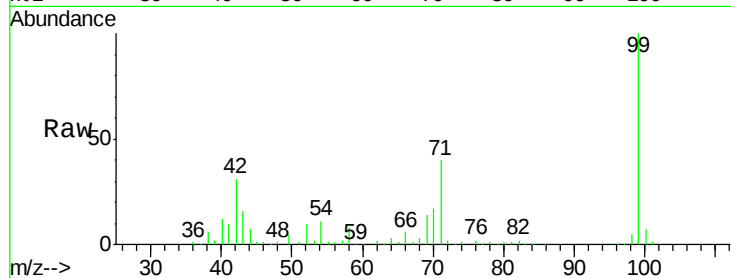
Tot Ion: 99 Resp: 452942

Ion Ratio Lower Upper

99 100

42 30.8 13.6 20.4#

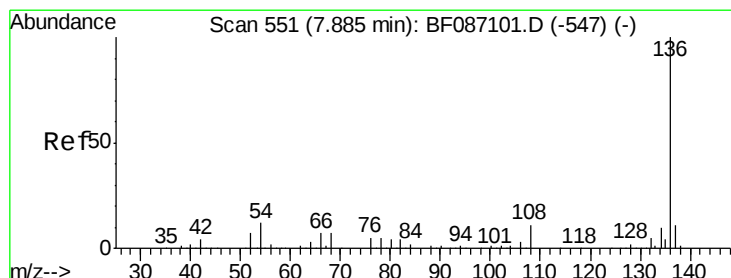
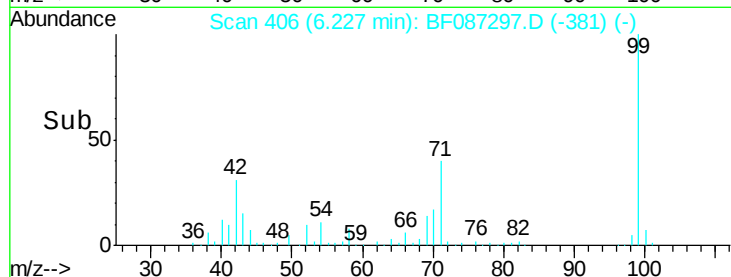
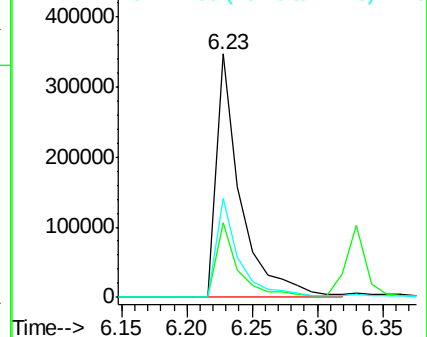
71 40.4 24.6 36.8#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. 0.00 min

Lab File: BF087297.D

Acq: 22 May 2016 18:15

Tgt Ion: 136 Resp: 492846

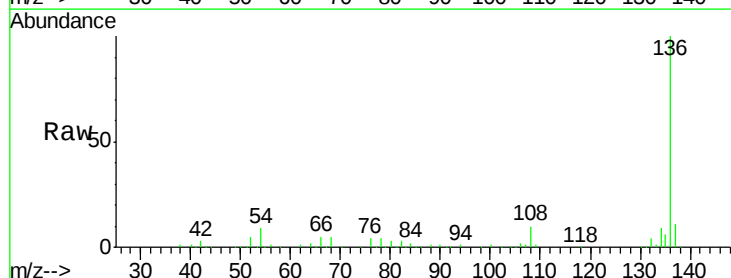
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.6 5.0 7.4#

68 4.5 4.4 6.6

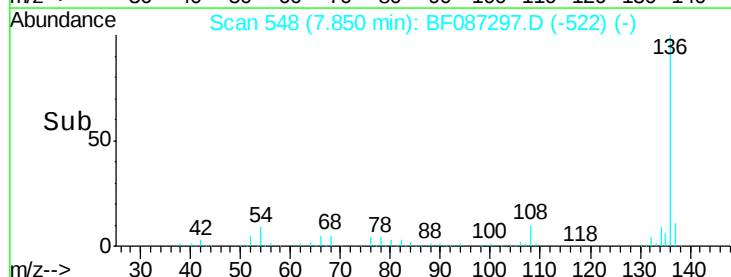
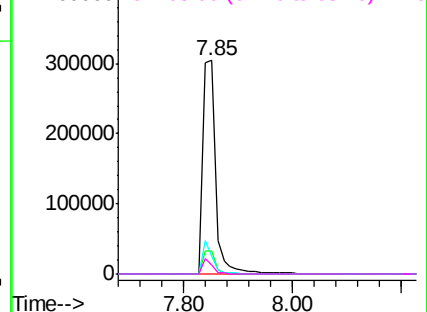


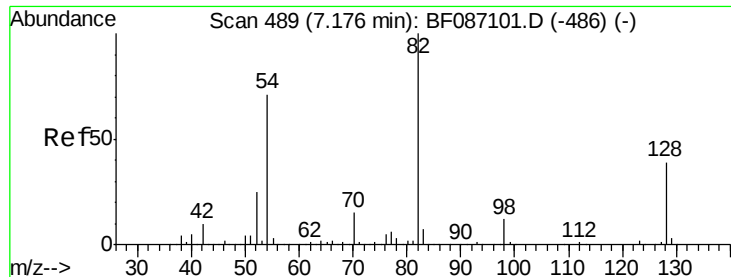
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

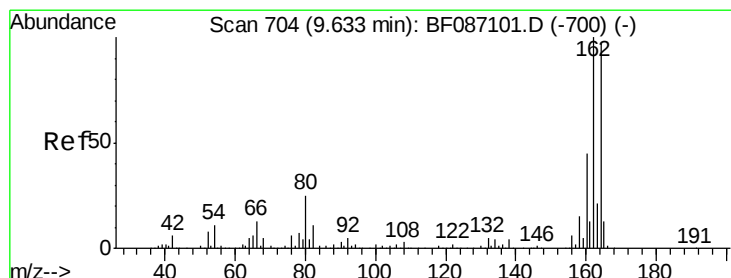
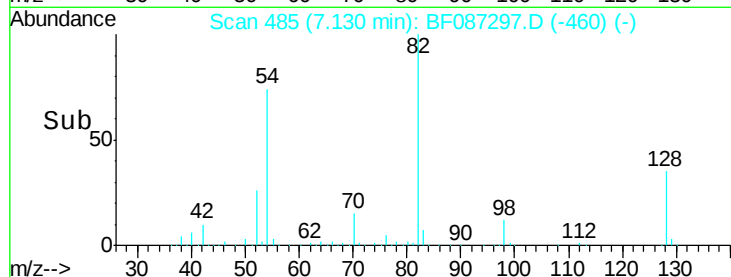
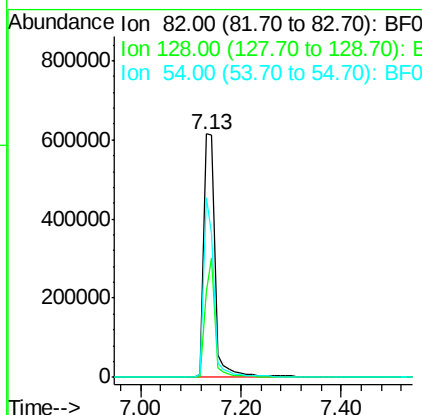
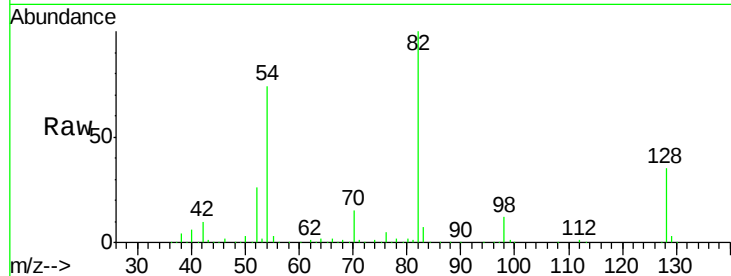




#23  
 Nitrobenzene-d5  
 Concen: 98.21 ng  
 RT: 7.13 min Scan# 485  
 Delta R.T. -0.01 min  
 Lab File: BF087297.D  
 Acq: 22 May 2016 18:15

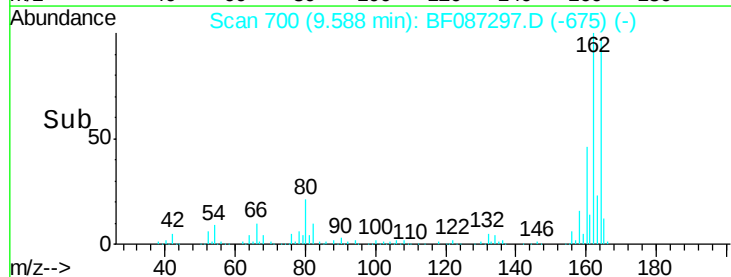
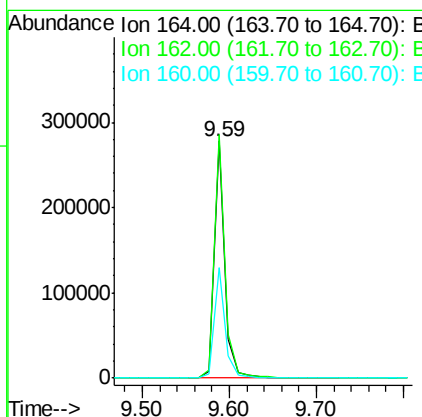
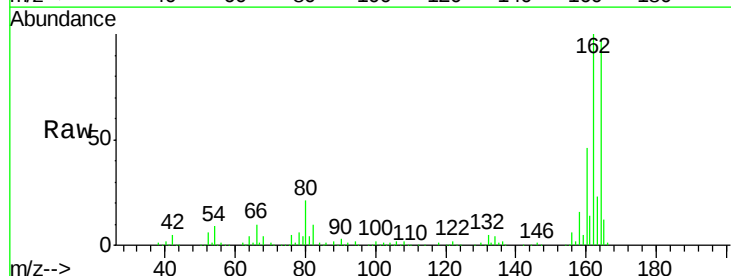
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-13

Tot Ion: 82 Resp: 971149  
 Ion Ratio Lower Upper  
 82 100  
 128 35.3 40.6 61.0#  
 54 74.0 38.1 57.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.59 min Scan# 700  
 Delta R.T. -0.01 min  
 Lab File: BF087297.D  
 Acq: 22 May 2016 18:15

Tgt Ion: 164 Resp: 237668  
 Ion Ratio Lower Upper  
 164 100  
 162 102.8 82.8 124.2  
 160 46.8 36.9 55.3

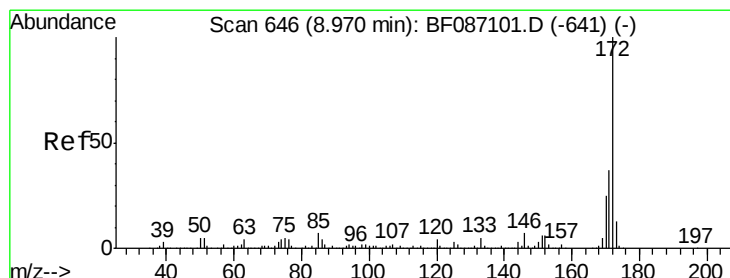
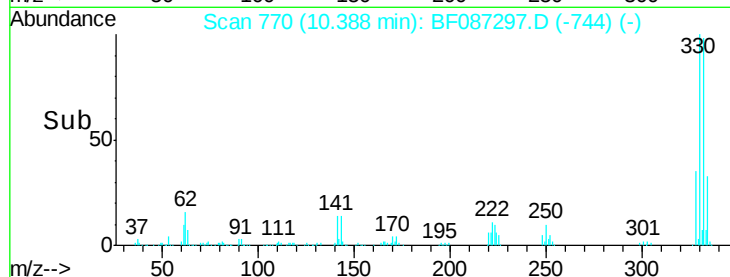
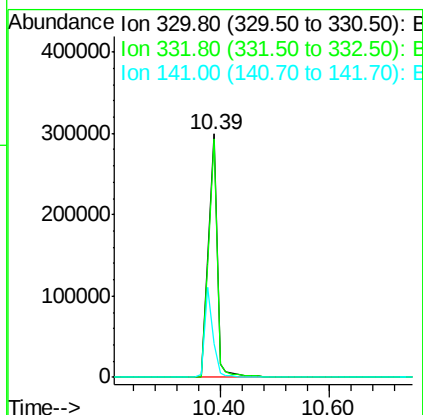
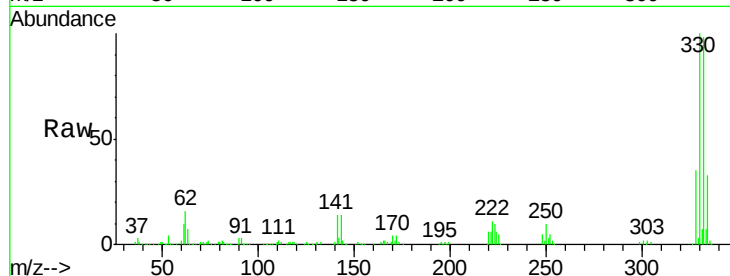




#41  
 2,4,6-Tribromophenol  
 Concen: 128.44 ng  
 RT: 10.39 min Scan# 770  
 Delta R.T. 0.00 min  
 Lab File: BF087297.D  
 Acq: 22 May 2016 18:15

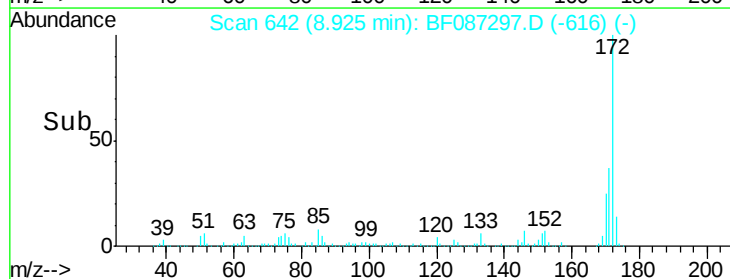
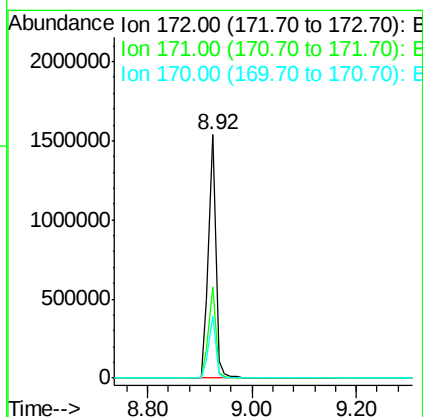
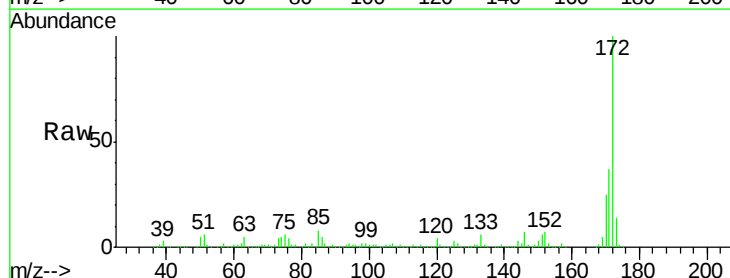
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-13

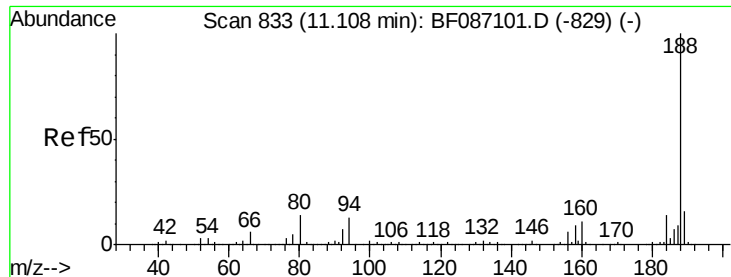
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 79.0  | 118.4 |
| 141     | 34.7  | 31.2  | 46.8  |



#44  
 2-Fluorobiphenyl  
 Concen: 106.28 ng  
 RT: 8.92 min Scan# 642  
 Delta R.T. 0.00 min  
 Lab File: BF087297.D  
 Acq: 22 May 2016 18:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.5  | 29.0  | 43.6  |
| 170     | 25.2  | 19.8  | 29.8  |

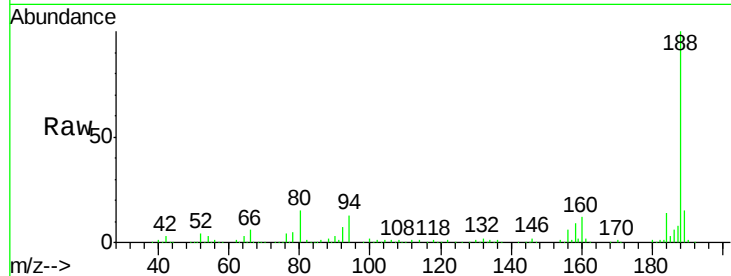




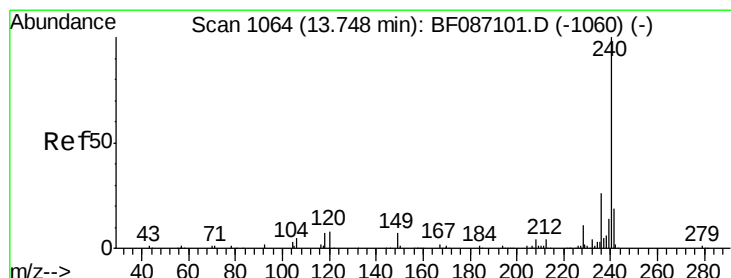
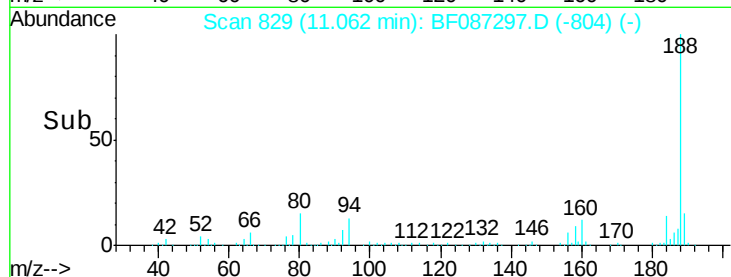
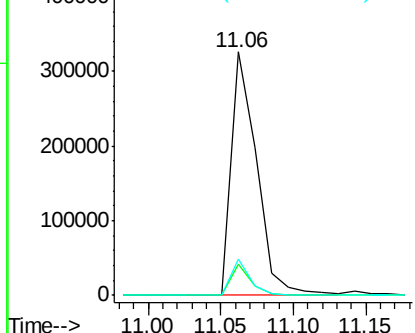
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.06 min Scan# 829  
Delta R.T. -0.01 min  
Lab File: BF087297.D  
Acq: 22 May 2016 18:15

Instrument :  
BNA\_F  
ClientSampleId :  
MW-13

Tot Ion:188 Resp: 394225  
Ion Ratio Lower Upper  
188 100  
94 12.7 6.8 10.2#  
80 14.7 7.1 10.7#

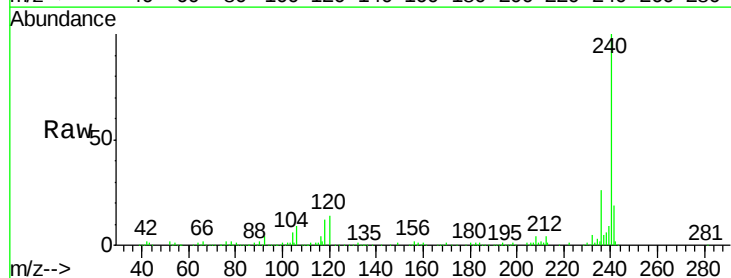


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

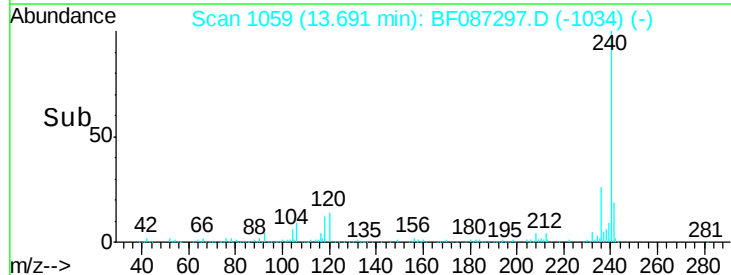
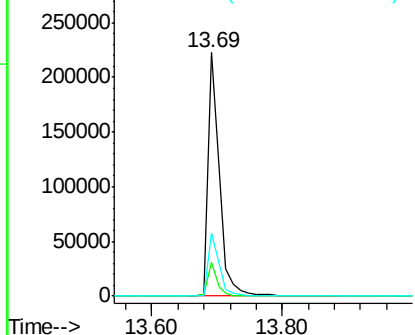


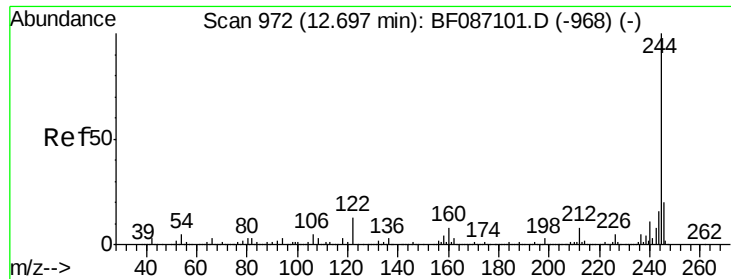
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.69 min Scan# 1059  
Delta R.T. -0.01 min  
Lab File: BF087297.D  
Acq: 22 May 2016 18:15

Tgt Ion:240 Resp: 269755  
Ion Ratio Lower Upper  
240 100  
120 13.6 11.2 16.8  
236 26.0 21.2 31.8



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

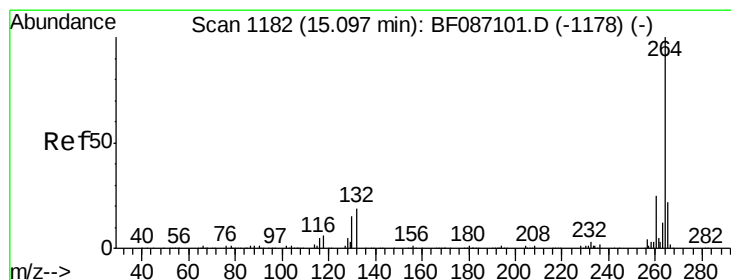
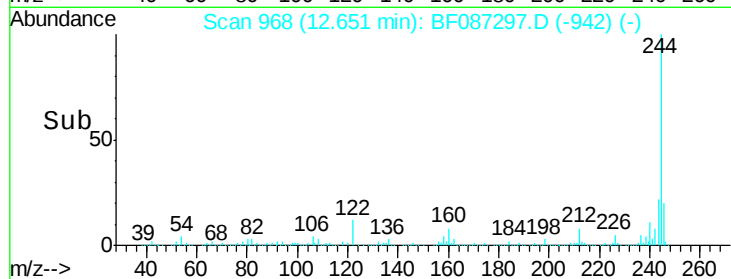
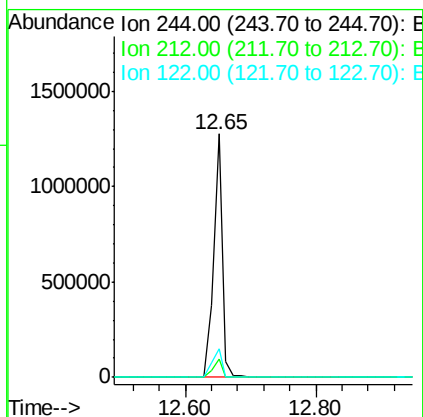
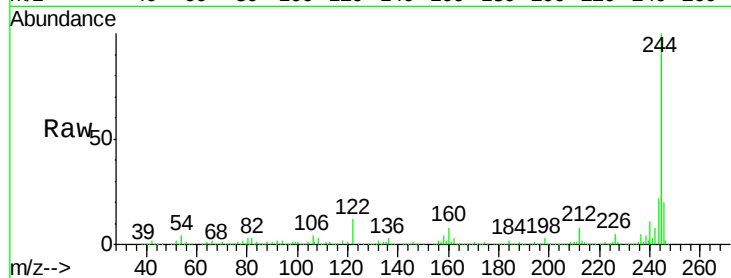




#78  
 Terphenyl-d14  
 Concen: 101.88 ng  
 RT: 12.65 min Scan# 968  
 Delta R.T. 0.00 min  
 Lab File: BF087297.D  
 Acq: 22 May 2016 18:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-13

Tot Ion:244 Resp: 1214945  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.2 9.2  
 122 11.7 12.0 18.0#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.05 min Scan# 1178  
 Delta R.T. 0.00 min  
 Lab File: BF087297.D  
 Acq: 22 May 2016 18:15

Tgt Ion:264 Resp: 219489  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 19.5 29.3  
 265 21.5 17.3 25.9

