

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\  
 Data File : BF087296.D  
 Acq On : 22 May 2016 17:46  
 Operator : UM/SJ  
 Sample : H3172-13  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-04

Quant Time: May 23 04:33:14 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  | 115852   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.84  | 136  | 503906   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.59  | 164  | 242691   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.06 | 188  | 417836   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.69 | 240  | 283050   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.05 | 264  | 225056   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.14  | 112  | 620473   | 90.02  | ng    | 0.00     |
| 7) Phenol-d6                | 6.23  | 99   | 540623   | 58.48  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.14  | 82   | 1001948  | 99.10  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.39 | 330  | 359570   | 134.08 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.92  | 172  | 1554656  | 106.09 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.65 | 244  | 1242914  | 99.33  | ng    | 0.00     |

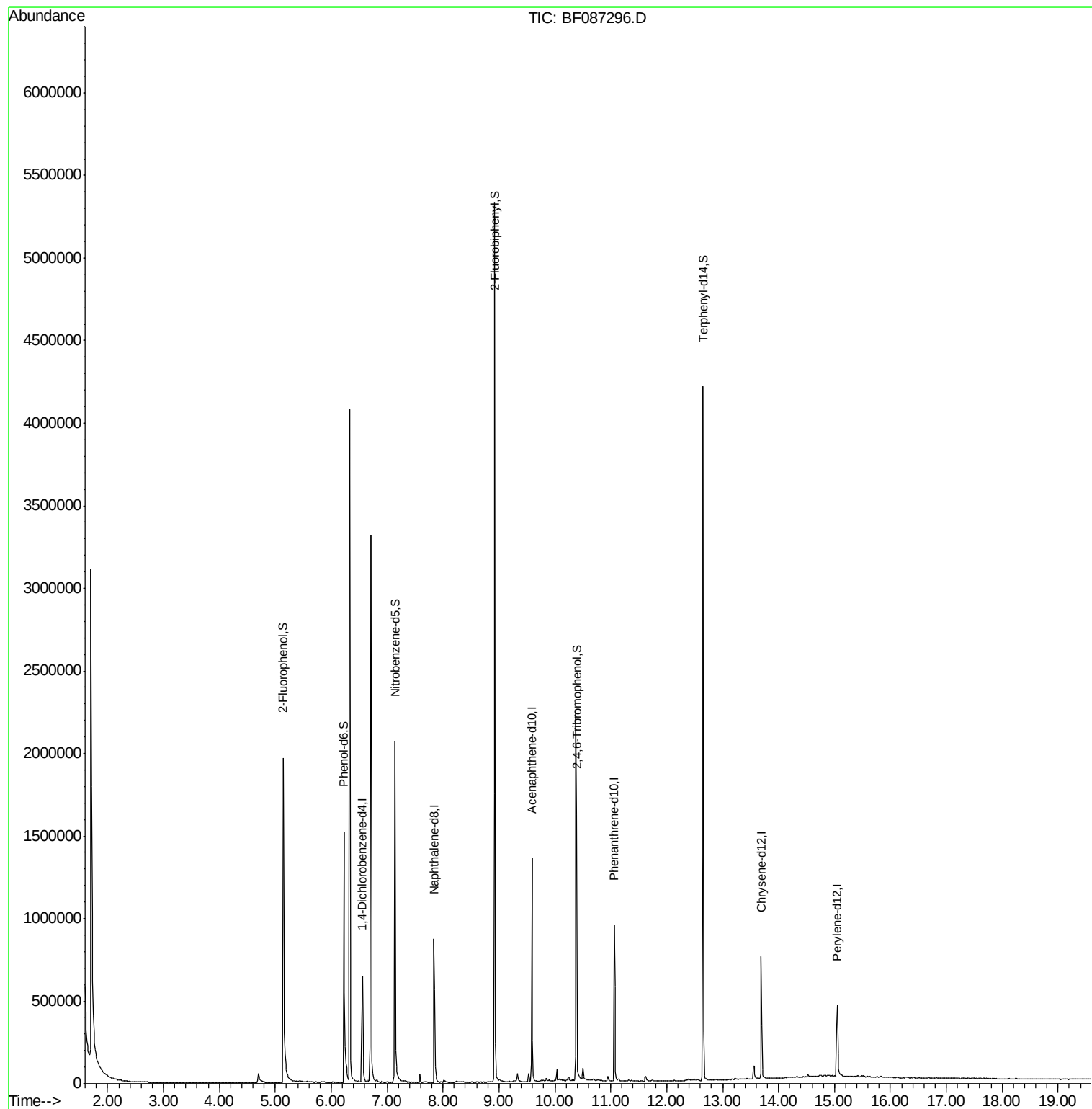
Target Compounds Qvalue

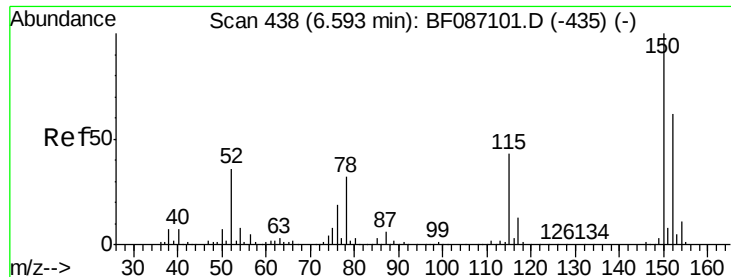
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 64 Sample Multiplier: 1

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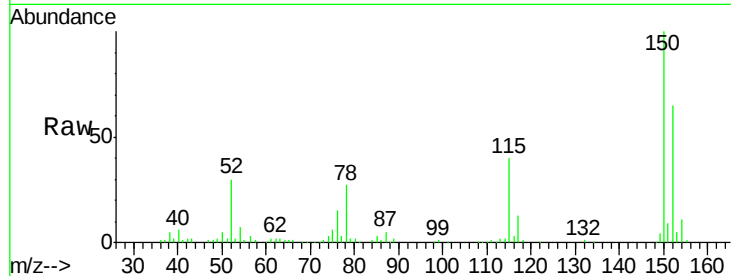


#1

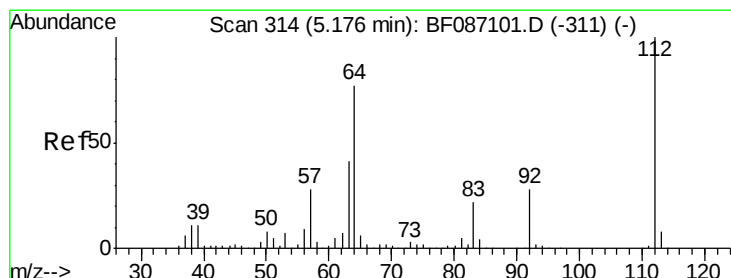
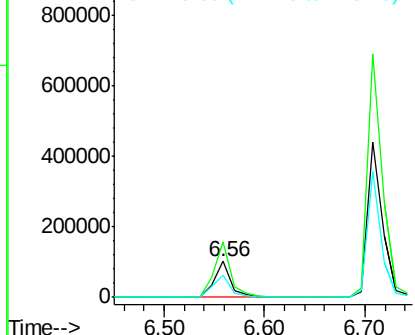
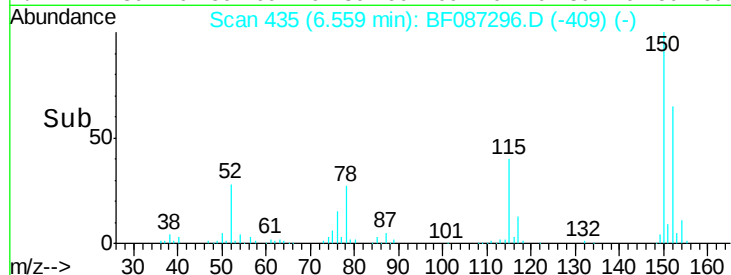
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.56 min Scan# 435  
Delta R.T. 0.00 min  
Lab File: BF087296.D  
Acq: 22 May 2016 17:46

Instrument :  
BNA\_F  
ClientSampleId :  
MW-04

Tot Ion:152 Resp: 115852  
Ion Ratio Lower Upper  
152 100  
150 154.3 125.8 188.6  
115 61.6 51.5 77.3



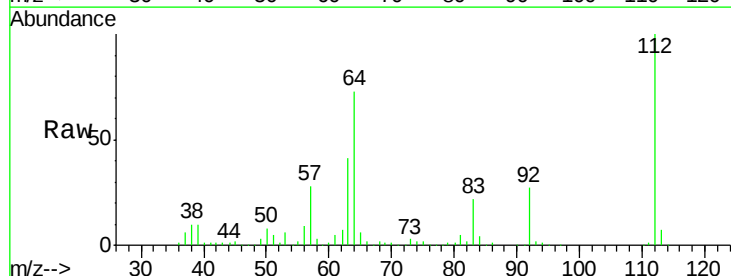
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



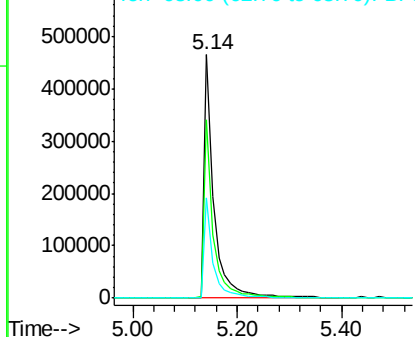
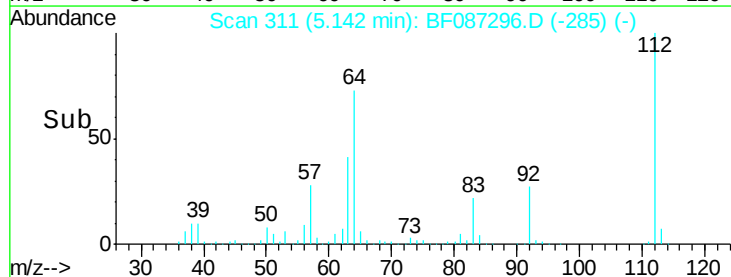
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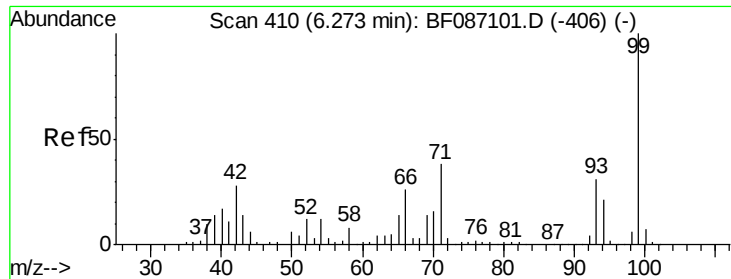
2-Fluorophenol  
Concen: 90.02 ng  
RT: 5.14 min Scan# 311  
Delta R.T. 0.00 min  
Lab File: BF087296.D  
Acq: 22 May 2016 17:46

Tgt Ion:112 Resp: 620473  
Ion Ratio Lower Upper  
112 100  
64 73.4 52.1 78.1  
63 41.3 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 58.48 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF087296.D

Acq: 22 May 2016 17:46

Instrument :

BNA\_F

ClientSampleId :

MW-04

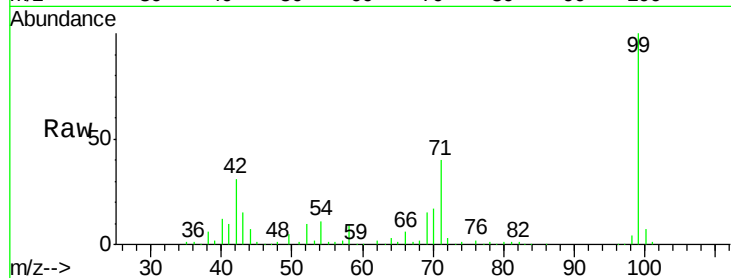
Tot Ion: 99 Resp: 540623

Ion Ratio Lower Upper

99 100

42 30.9 13.6 20.4#

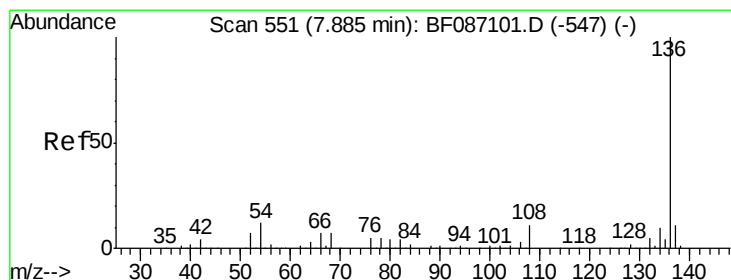
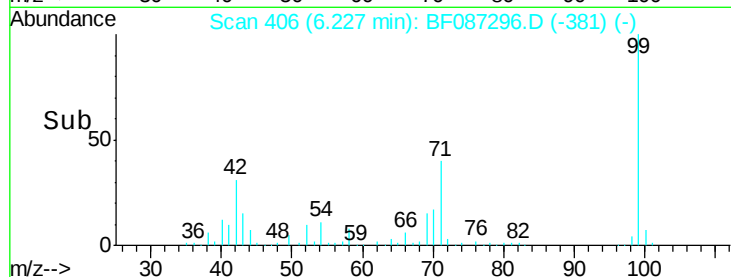
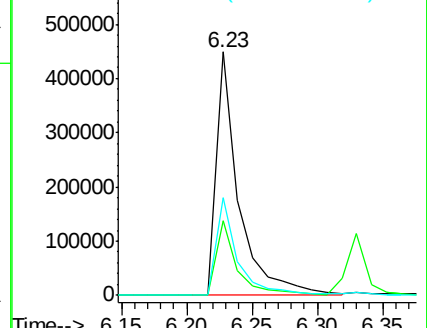
71 40.0 24.6 36.8#



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: 7.84 min Scan# 547

Delta R.T. -0.01 min

Lab File: BF087296.D

Acq: 22 May 2016 17:46

Tgt Ion: 136 Resp: 503906

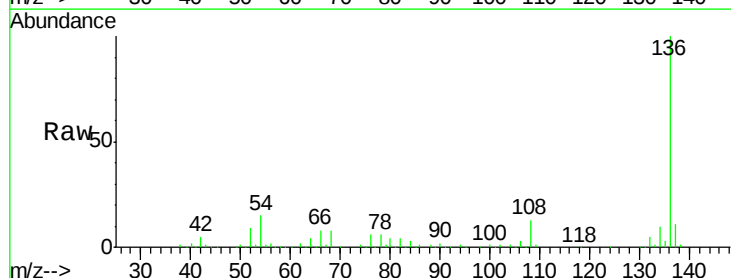
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 15.5 5.0 7.4#

68 7.6 4.4 6.6#

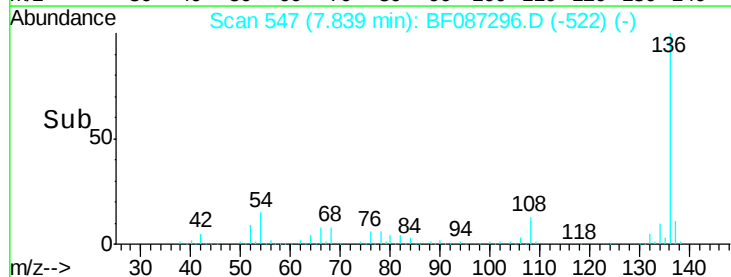
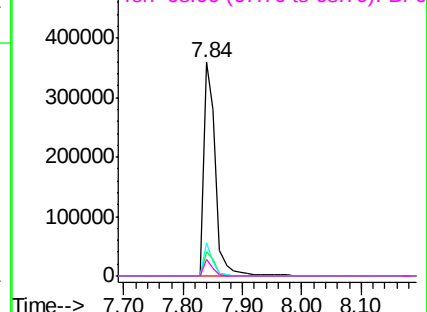


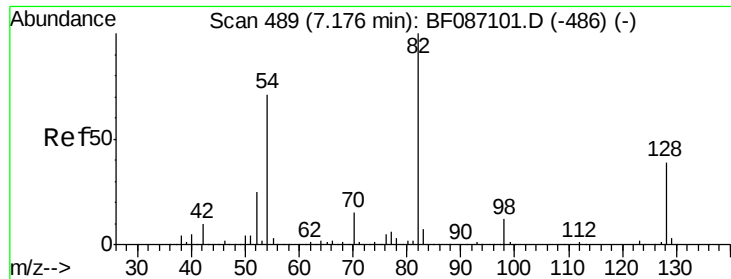
Abundance Ion 136.00 (135.70 to 136.70): E

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

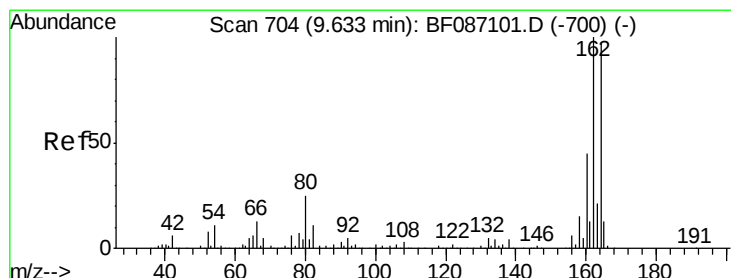
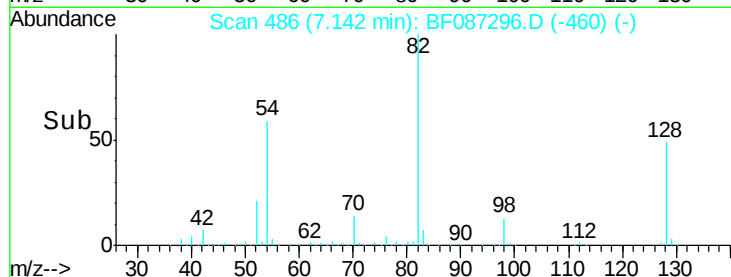
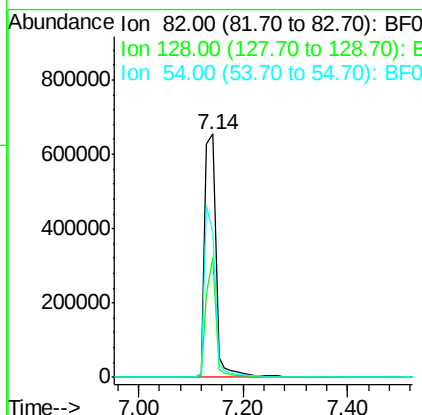
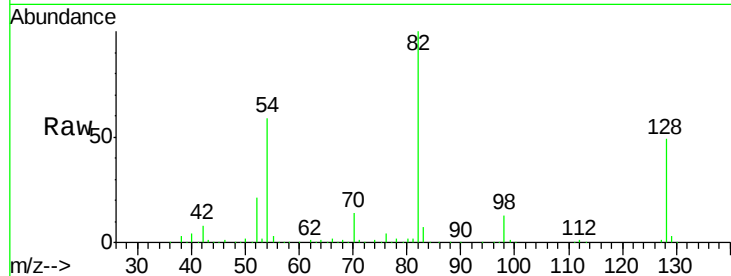




#23  
 Nitrobenzene-d5  
 Concen: 99.10 ng  
 RT: 7.14 min Scan# 486  
 Delta R.T. 0.00 min  
 Lab File: BF087296.D  
 Acq: 22 May 2016 17:46

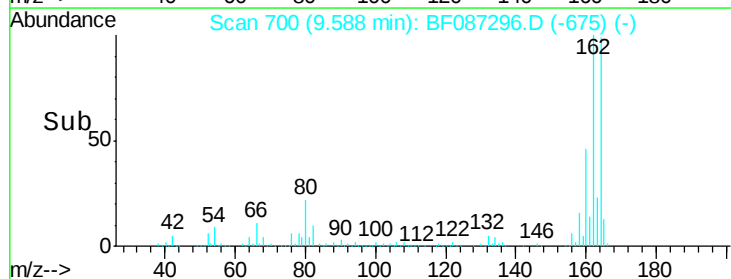
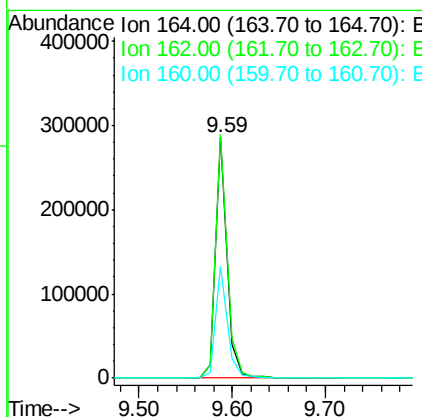
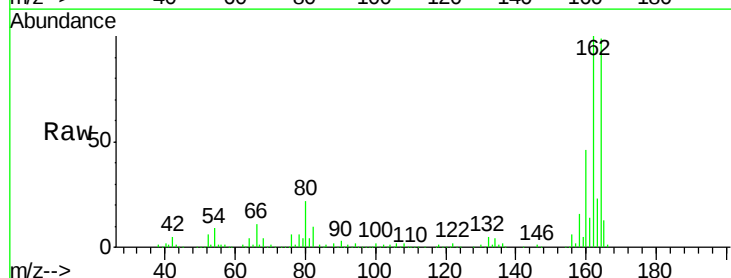
Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-04

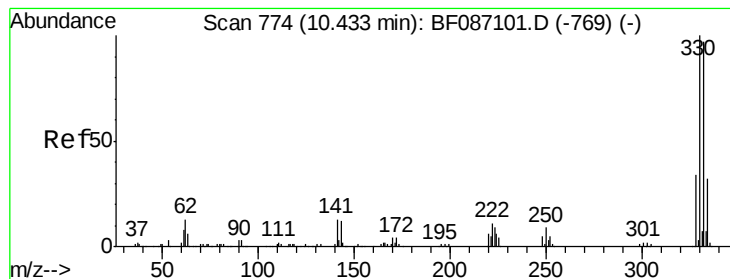
Tot Ion: 82 Resp: 1001948  
 Ion Ratio Lower Upper  
 82 100  
 128 49.0 40.6 61.0  
 54 59.4 38.1 57.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.59 min Scan# 700  
 Delta R.T. -0.01 min  
 Lab File: BF087296.D  
 Acq: 22 May 2016 17:46

Tgt Ion: 164 Resp: 242691  
 Ion Ratio Lower Upper  
 164 100  
 162 101.2 82.8 124.2  
 160 46.6 36.9 55.3

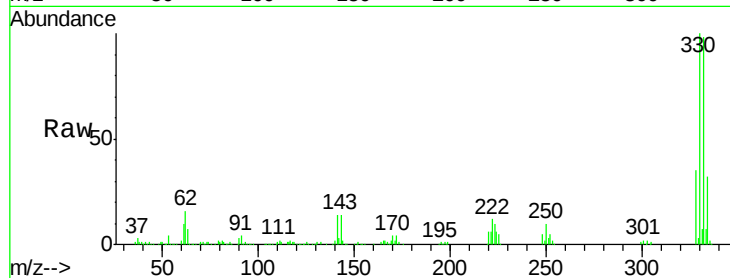




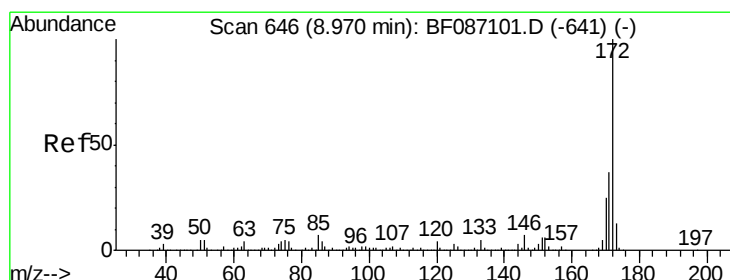
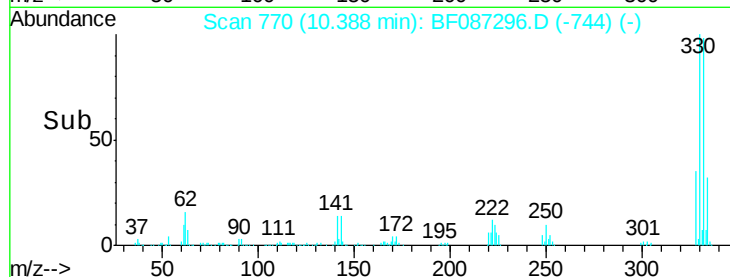
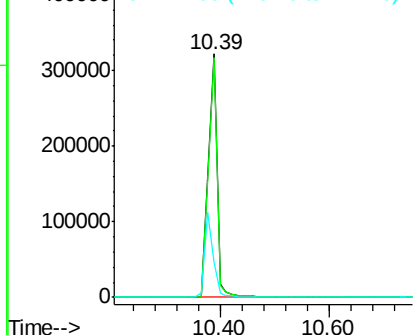
#41  
 2,4,6-Tribromophenol  
 Concen: 134.08 ng  
 RT: 10.39 min Scan# 770  
 Delta R.T. 0.00 min  
 Lab File: BF087296.D  
 Acq: 22 May 2016 17:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-04

Tot Ion:330 Resp: 359570  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 79.0 118.4  
 141 34.2 31.2 46.8

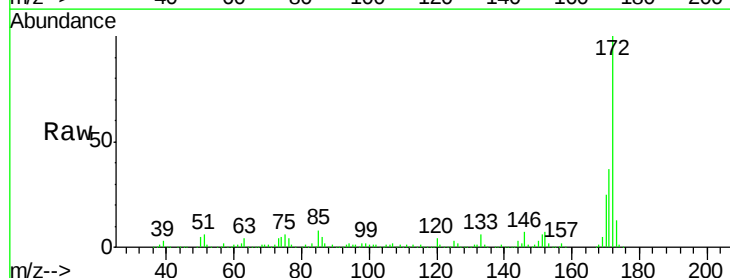


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

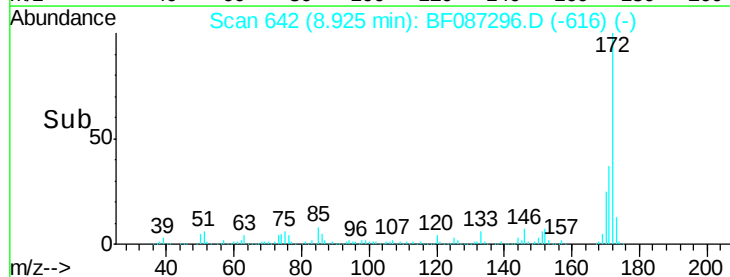
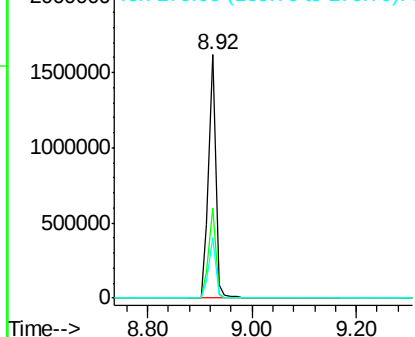


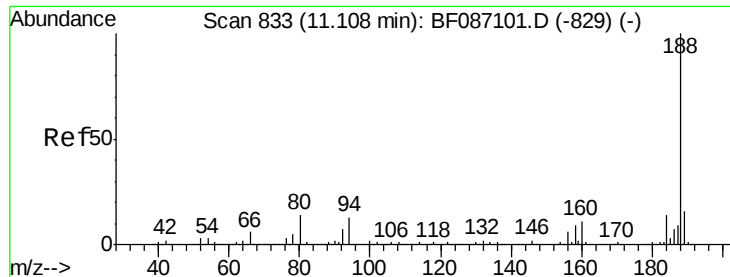
#44  
 2-Fluorobiphenyl  
 Concen: 106.09 ng  
 RT: 8.92 min Scan# 642  
 Delta R.T. 0.00 min  
 Lab File: BF087296.D  
 Acq: 22 May 2016 17:46

Tgt Ion:172 Resp: 1554656  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 29.0 43.6  
 170 25.1 19.8 29.8



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

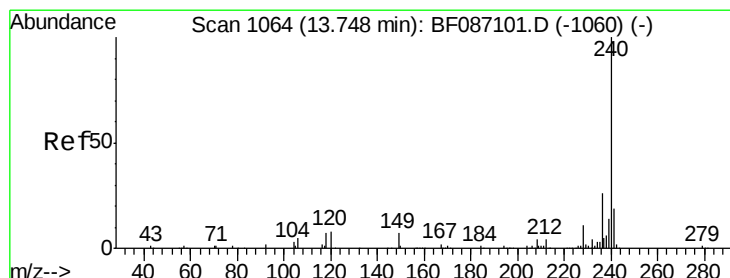
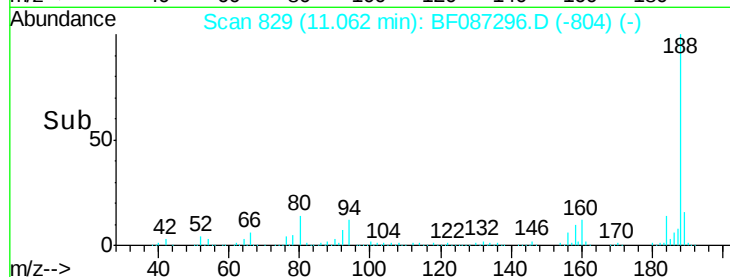
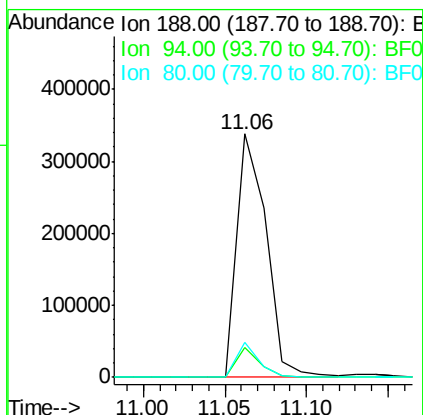
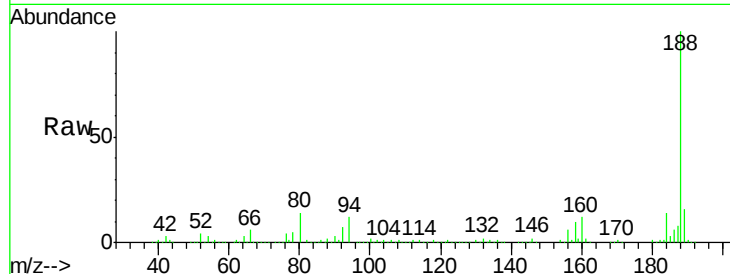




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.06 min Scan# 829  
Delta R.T. -0.01 min  
Lab File: BF087296.D  
Acq: 22 May 2016 17:46

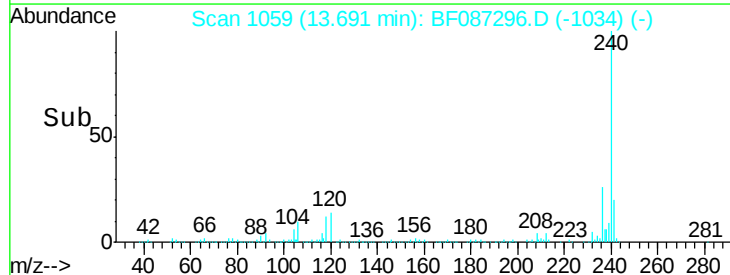
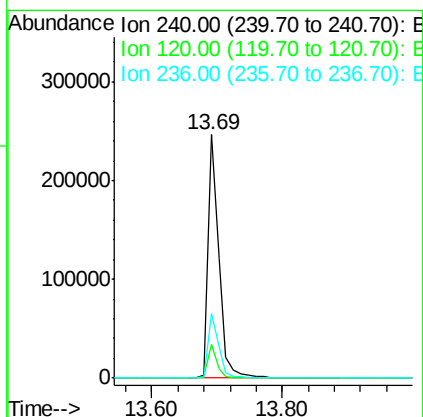
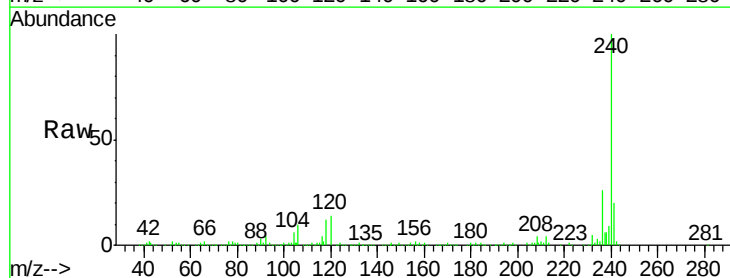
Instrument :  
BNA\_F  
ClientSampleId :  
MW-04

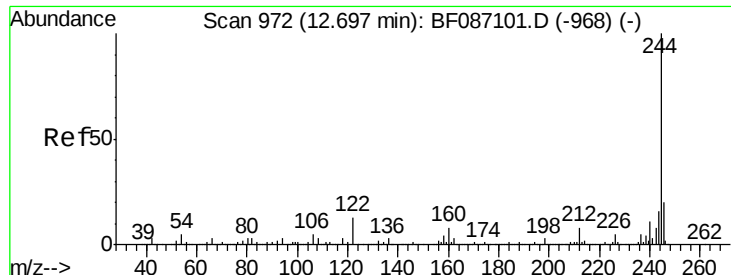
Tot Ion:188 Resp: 417836  
Ion Ratio Lower Upper  
188 100  
94 12.3 6.8 10.2#  
80 14.3 7.1 10.7#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.69 min Scan# 1059  
Delta R.T. -0.01 min  
Lab File: BF087296.D  
Acq: 22 May 2016 17:46

Tgt Ion:240 Resp: 283050  
Ion Ratio Lower Upper  
240 100  
120 13.6 11.2 16.8  
236 26.3 21.2 31.8





#78

Terphenyl-d14

Concen: 99.33 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF087296.D

Acq: 22 May 2016 17:46

Instrument :

BNA\_F

ClientSampleId :

MW-04

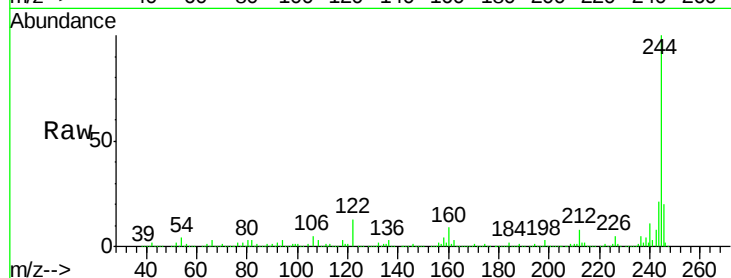
Tot Ion:244 Resp: 1242914

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

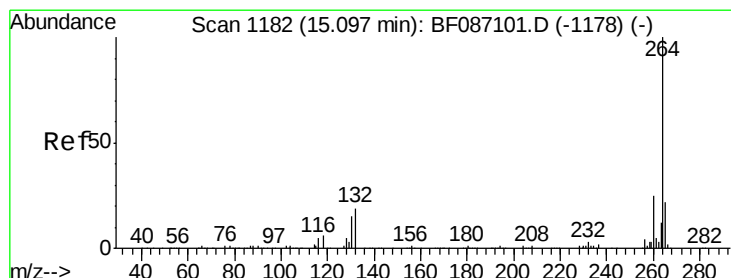
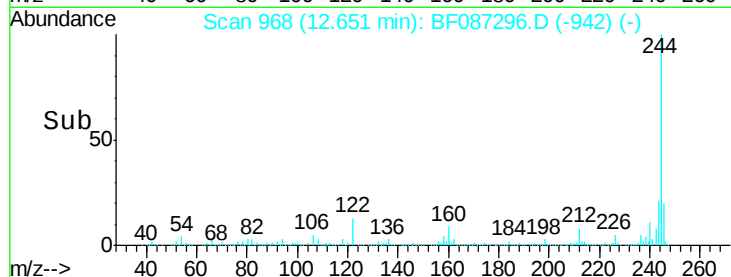
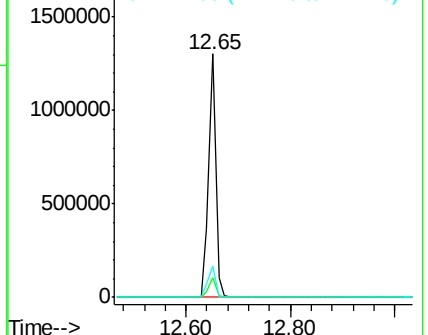
122 12.8 12.0 18.0



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: 20.00 ng

RT: 15.05 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BF087296.D

Acq: 22 May 2016 17:46

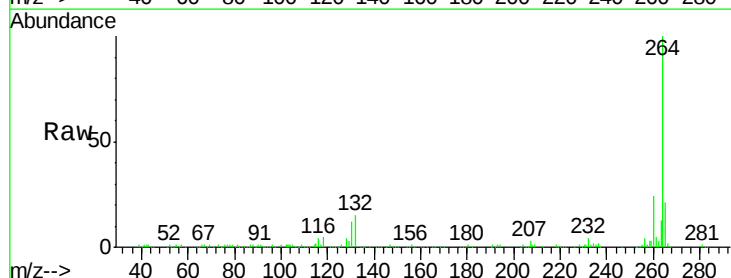
Tgt Ion:264 Resp: 225056

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 21.1 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

