

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051416\  
 Data File : BF087028.D  
 Acq On : 14 May 2016 19:09  
 Operator : UM/SJ  
 Sample : H2947-05  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-17

Quant Time: May 16 05:14:03 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 16 05:03:47 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.62  | 152  | 140818   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.90  | 136  | 524566   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.66  | 164  | 260779   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.13 | 188  | 477953   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.75 | 240  | 344292   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.11 | 264  | 304270   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.20  | 112  | 544257   | 65.45  | ng    | 0.00     |
| 7) Phenol-d6                | 6.30  | 99   | 464788   | 41.82  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.19  | 82   | 955898   | 91.50  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.46 | 330  | 414910   | 150.29 | ng    | 0.01     |
| 44) 2-Fluorobiphenyl        | 8.98  | 172  | 1515360  | 97.66  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.72 | 244  | 1467673  | 90.45  | ng    | 0.01     |

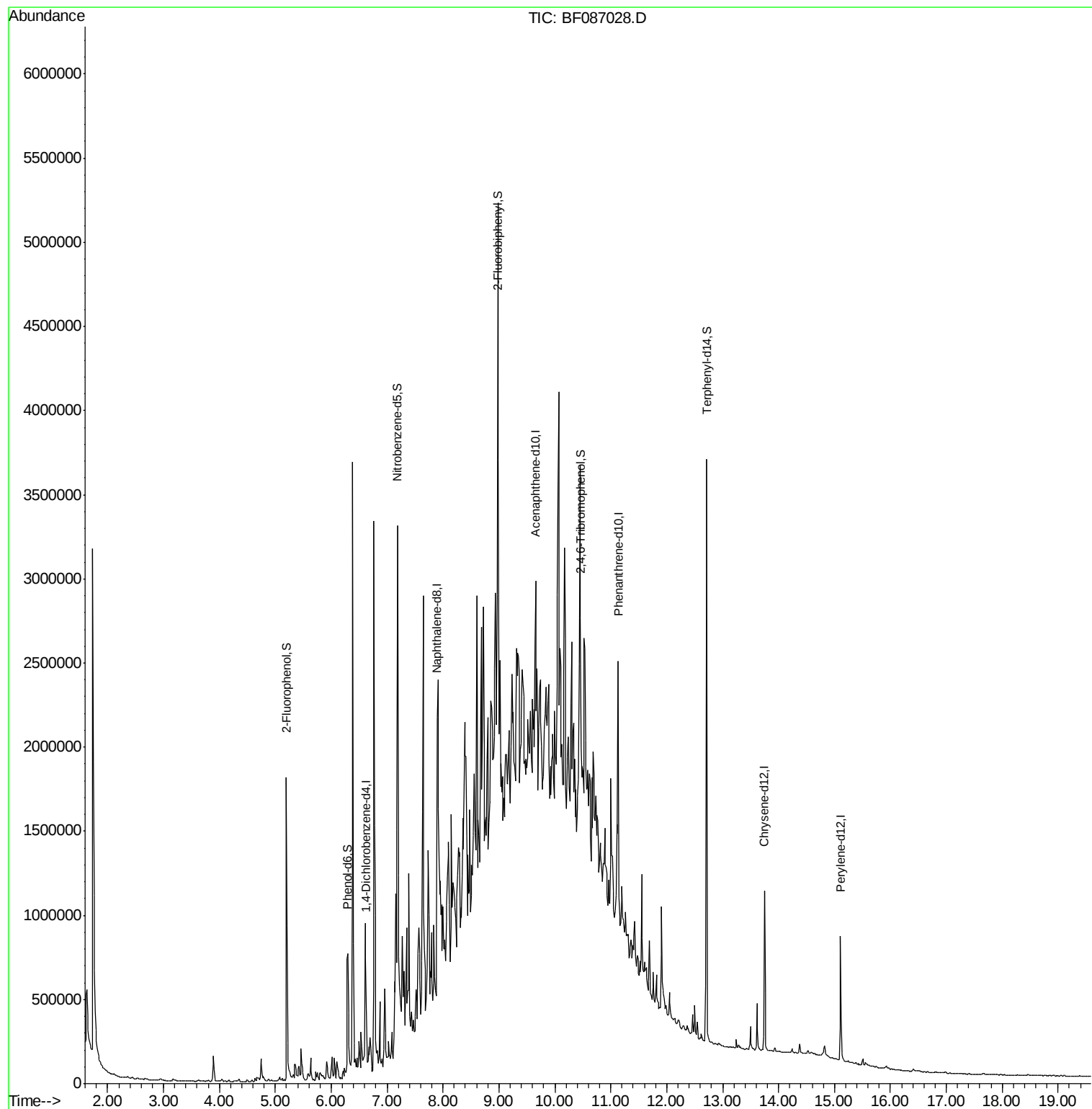
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

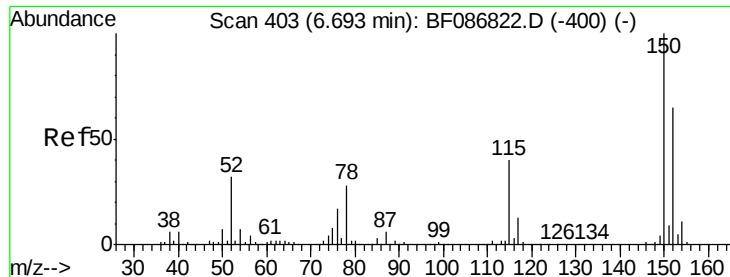
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 16 05:03:47 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. 0.00 min

Lab File: BF087028.D

Acq: 14 May 2016 19:09

Instrument :

BNA\_F

ClientSampleId :

MW-17

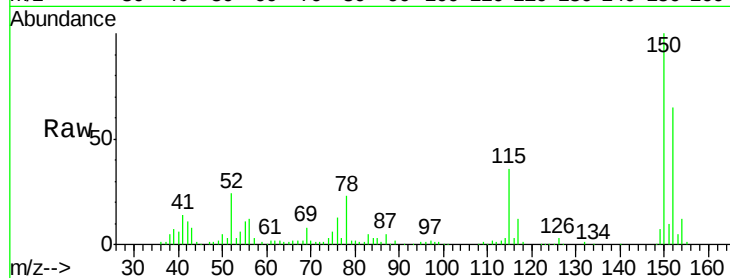
Tgt Ion:152 Resp: 140818

Ion Ratio Lower Upper

152 100

150 153.7 125.8 188.6

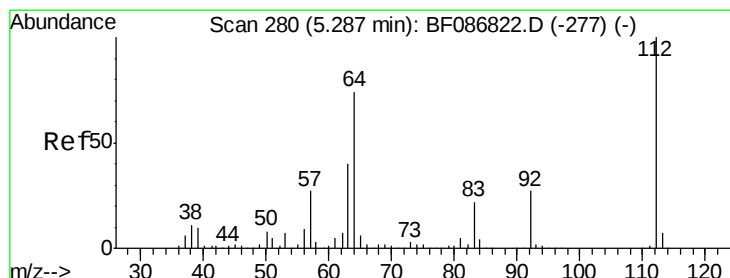
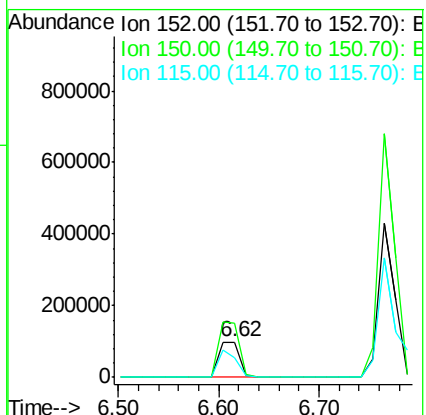
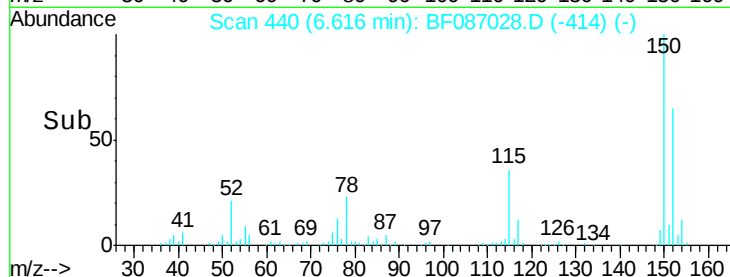
115 56.0 51.5 77.3



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



#5

2-Fluorophenol

Concen: 65.45 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.00 min

Lab File: BF087028.D

Acq: 14 May 2016 19:09

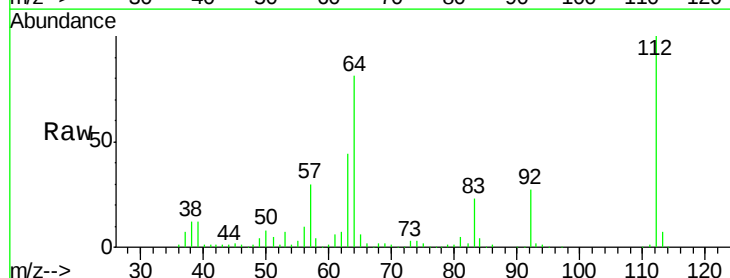
Tgt Ion:112 Resp: 544257

Ion Ratio Lower Upper

112 100

64 80.6 52.1 78.1#

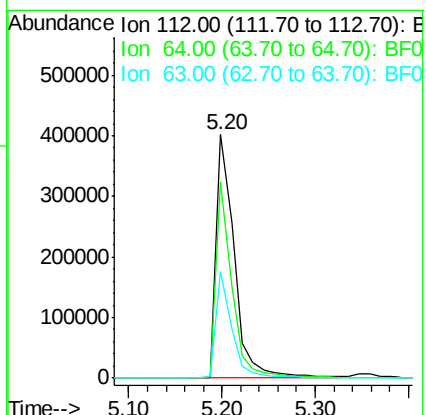
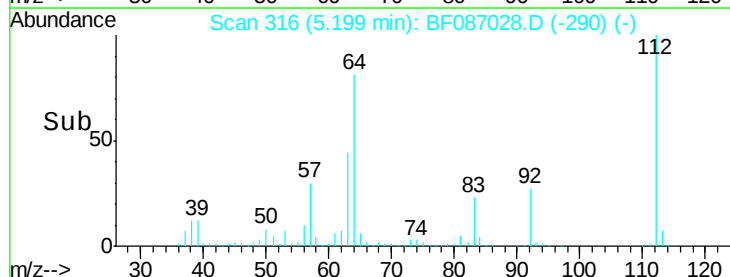
63 43.7 25.7 38.5#

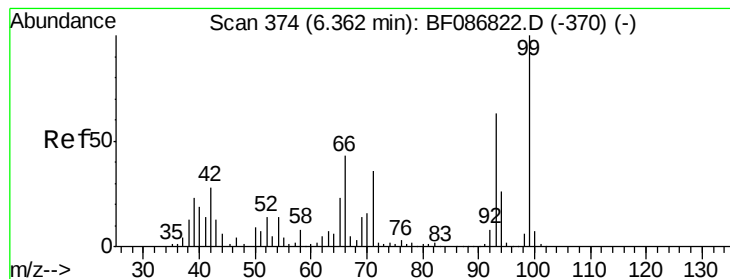


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.82 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.01 min

Lab File: BF087028.D

Acq: 14 May 2016 19:09

Instrument :

BNA\_F

ClientSampleId :

MW-17

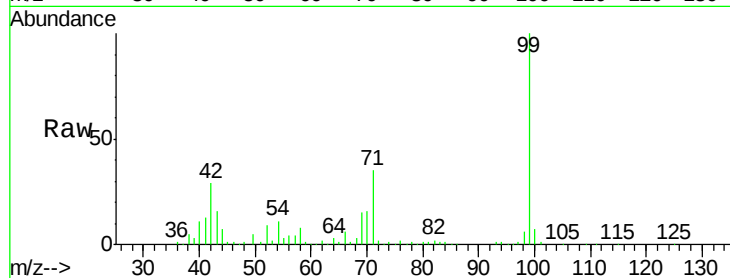
Tgt Ion: 99 Resp: 464788

Ion Ratio Lower Upper

99 100

42 29.0 13.6 20.4#

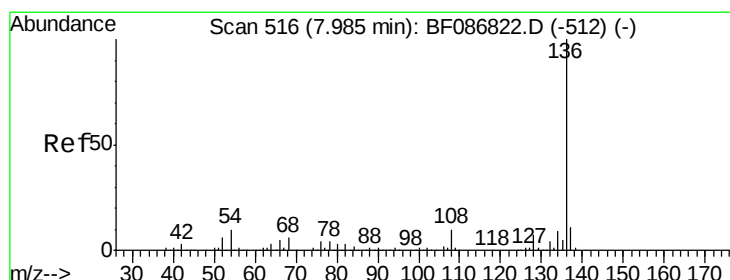
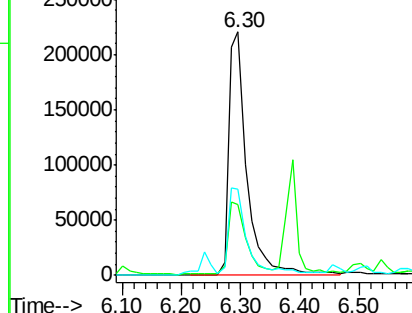
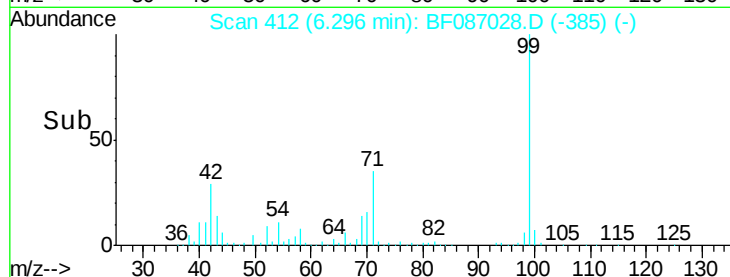
71 35.4 24.6 36.8



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: 7.90 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF087028.D

Acq: 14 May 2016 19:09

Tgt Ion: 136 Resp: 524566

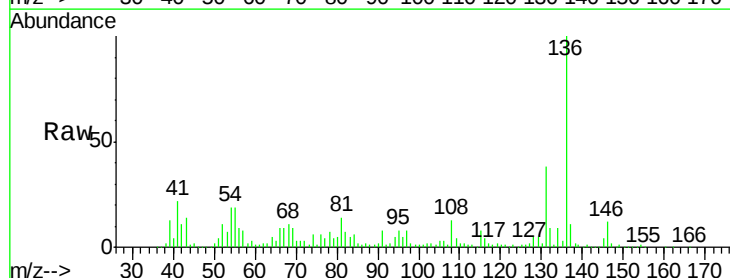
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 18.6 5.0 7.4#

68 10.8 4.4 6.6#

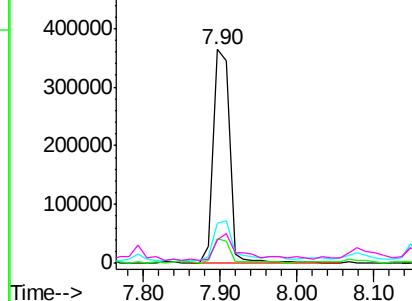
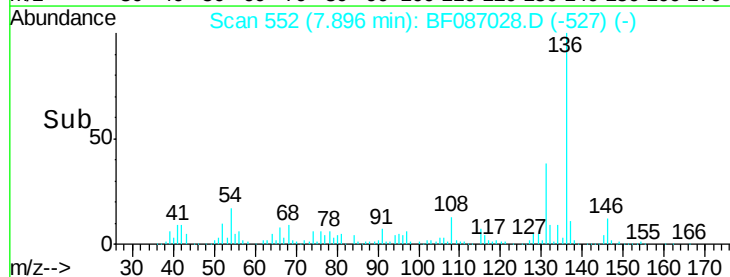


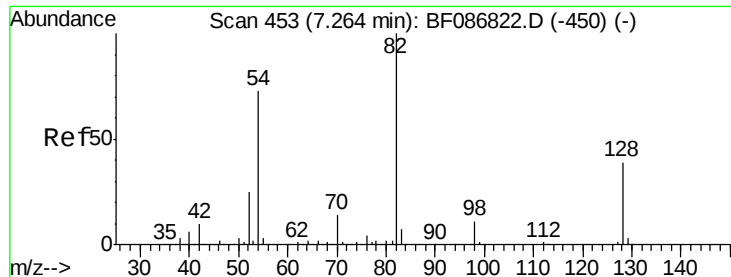
Abundance Ion 136.00 (135.70 to 136.70): E

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

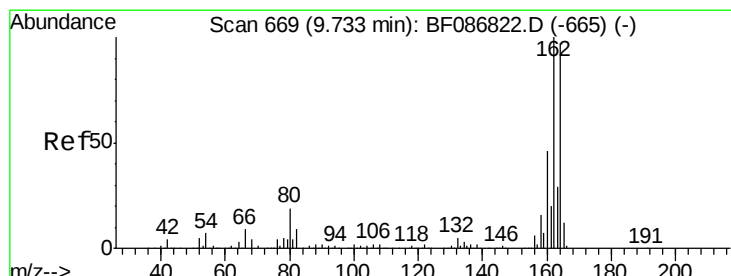
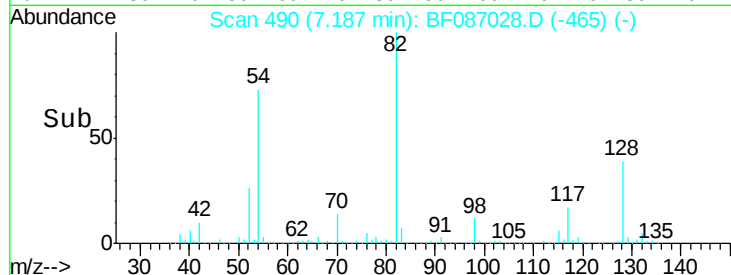
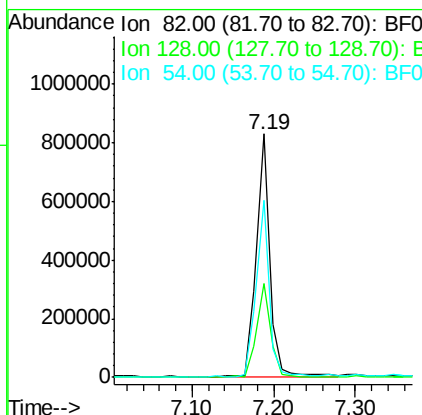
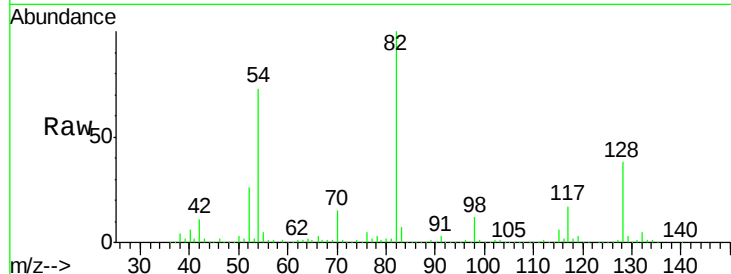




#23  
 Nitrobenzene-d5  
 Concen: 91.50 ng  
 RT: 7.19 min Scan# 490  
 Delta R.T. -0.01 min  
 Lab File: BF087028.D  
 Acq: 14 May 2016 19:09

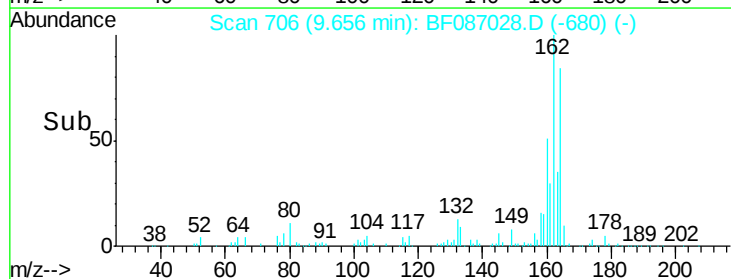
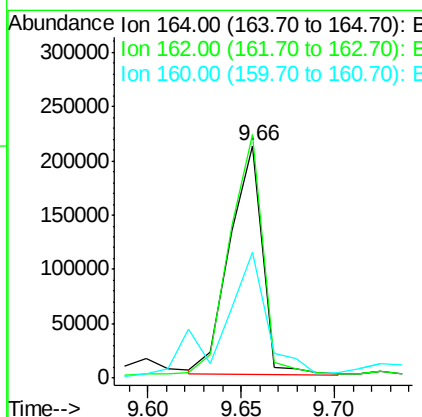
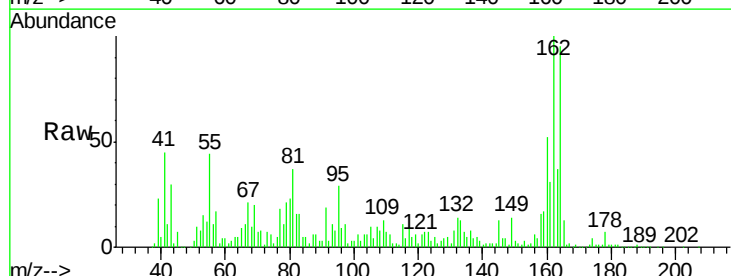
Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-17

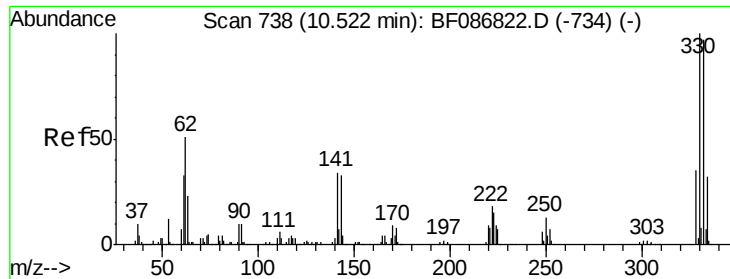
Tgt Ion: 82 Resp: 955898  
 Ion Ratio Lower Upper  
 82 100  
 128 38.5 40.6 61.0#  
 54 72.7 38.1 57.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.66 min Scan# 706  
 Delta R.T. 0.00 min  
 Lab File: BF087028.D  
 Acq: 14 May 2016 19:09

Tgt Ion: 164 Resp: 260779  
 Ion Ratio Lower Upper  
 164 100  
 162 104.7 82.8 124.2  
 160 54.3 36.9 55.3

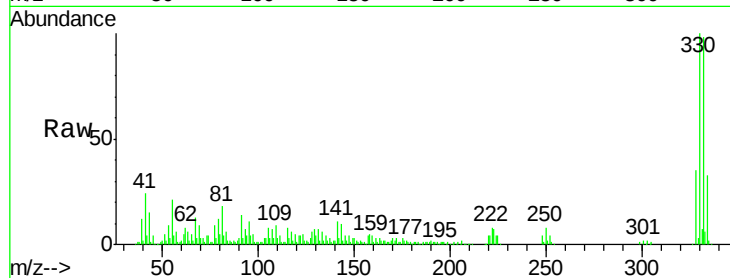




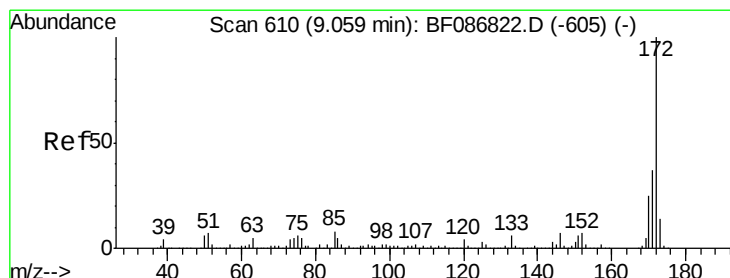
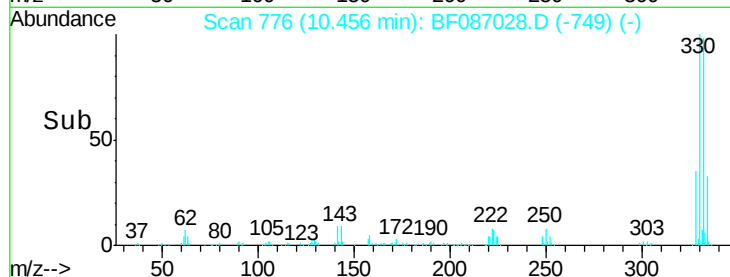
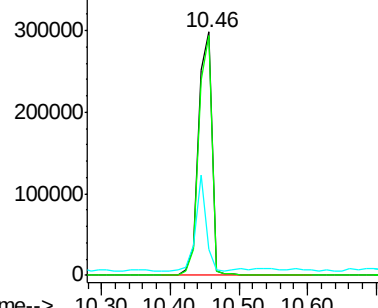
#41  
 2,4,6-Tribromophenol  
 Concen: 150.29 ng  
 RT: 10.46 min Scan# 776  
 Delta R.T. 0.01 min  
 Lab File: BF087028.D  
 Acq: 14 May 2016 19:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-17

Tgt Ion:330 Resp: 414910  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 79.0 118.4  
 141 31.3 31.2 46.8

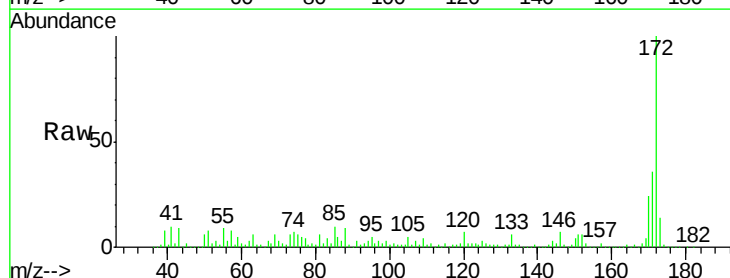


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

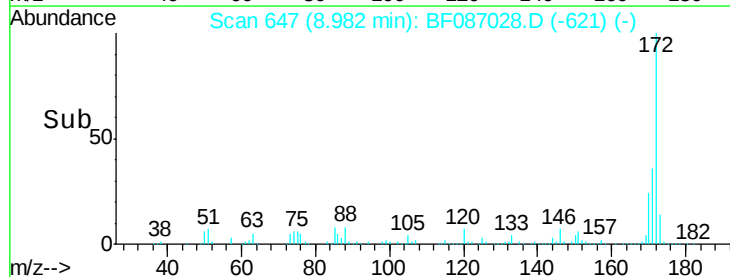
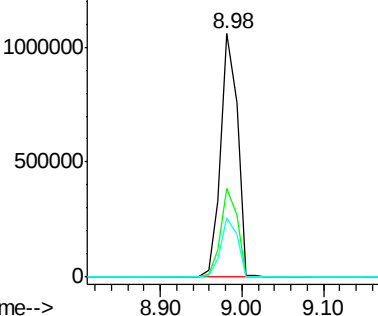


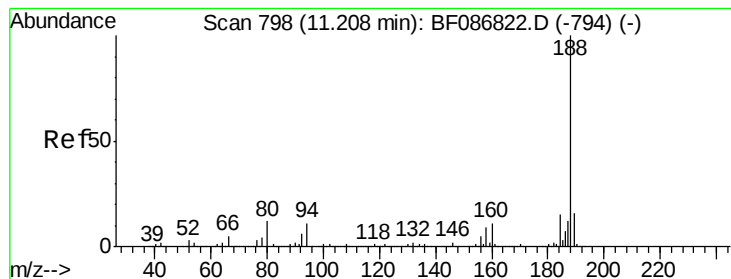
#44  
 2-Fluorobiphenyl  
 Concen: 97.66 ng  
 RT: 8.98 min Scan# 647  
 Delta R.T. 0.00 min  
 Lab File: BF087028.D  
 Acq: 14 May 2016 19:09

Tgt Ion:172 Resp: 1515360  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.0 43.6  
 170 24.5 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: 11.13 min Scan# 835

Delta R.T. 0.00 min

Lab File: BF087028.D

Acq: 14 May 2016 19:09

Instrument :

BNA\_F

ClientSampleId :

MW-17

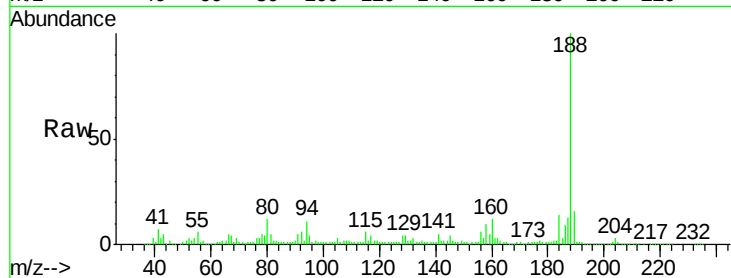
Tgt Ion:188 Resp: 477953

Ion Ratio Lower Upper

188 100

94 10.5 6.8 10.2#

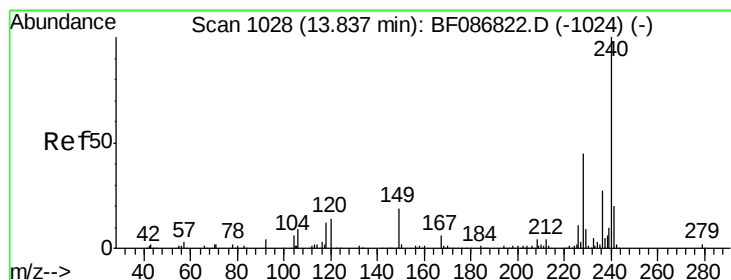
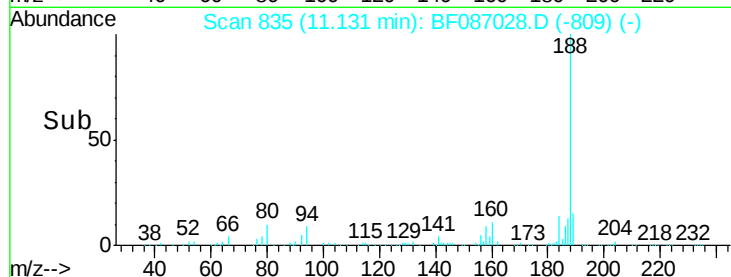
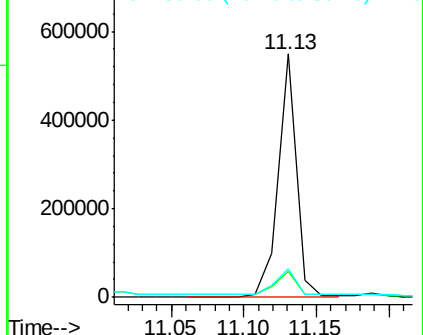
80 11.6 7.1 10.7#



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: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF087028.D

Acq: 14 May 2016 19:09

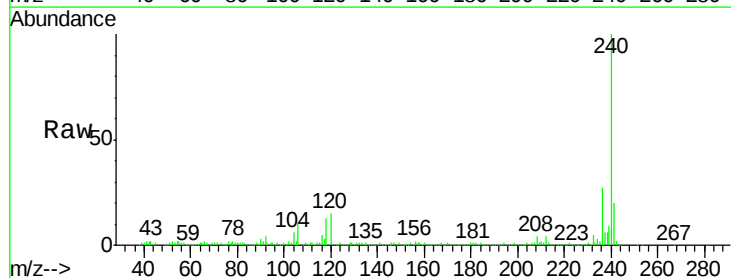
Tgt Ion:240 Resp: 344292

Ion Ratio Lower Upper

240 100

120 14.7 11.2 16.8

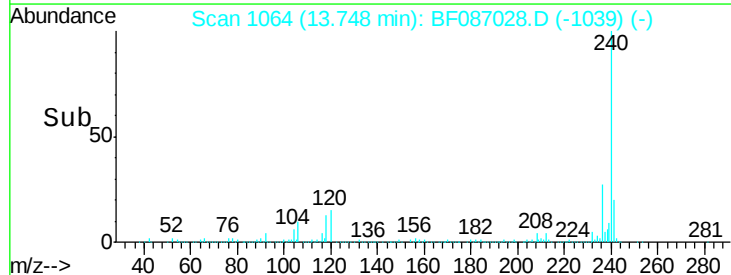
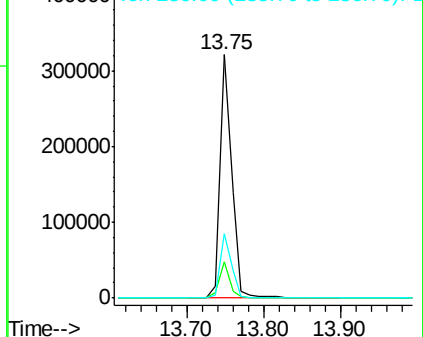
236 26.6 21.2 31.8

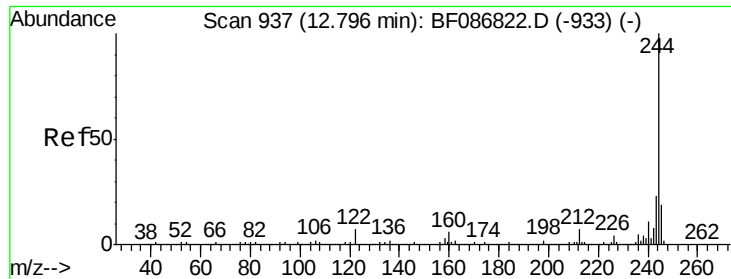


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

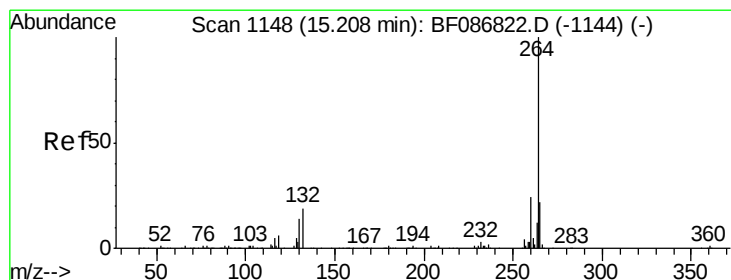
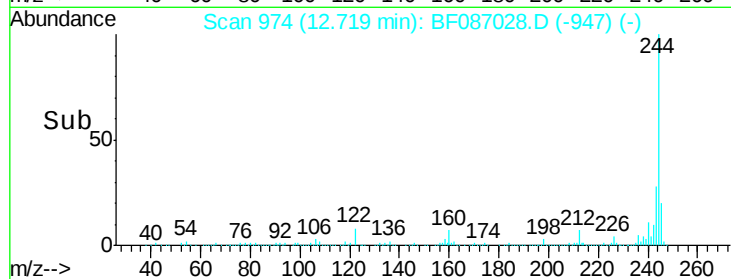
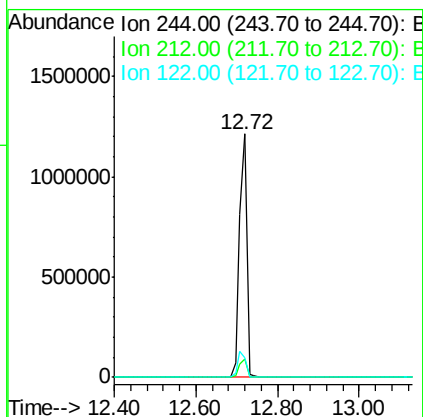
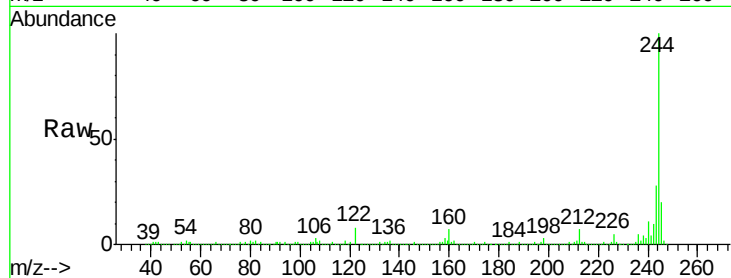




#78  
 Terphenyl-d14  
 Concen: 90.45 ng  
 RT: 12.72 min Scan# 974  
 Delta R.T. 0.01 min  
 Lab File: BF087028.D  
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Tgt Ion:244 Resp: 1467673  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.2 9.2  
 122 7.9 12.0 18.0#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.11 min Scan# 1183  
 Delta R.T. 0.00 min  
 Lab File: BF087028.D  
 Acq: 14 May 2016 19:09

Tgt Ion:264 Resp: 304270  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 19.5 29.3  
 265 21.9 17.3 25.9

