

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050116\  
 Data File : BF086591.D  
 Acq On : 2 May 2016 1:53  
 Operator : UM/SJ  
 Sample : H2702-10  
 Misc :  
 ALS Vial : 74 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP-B1A

Quant Time: May 02 05:06:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 27 14:20:52 2016  
 Response via : Initial Calibration

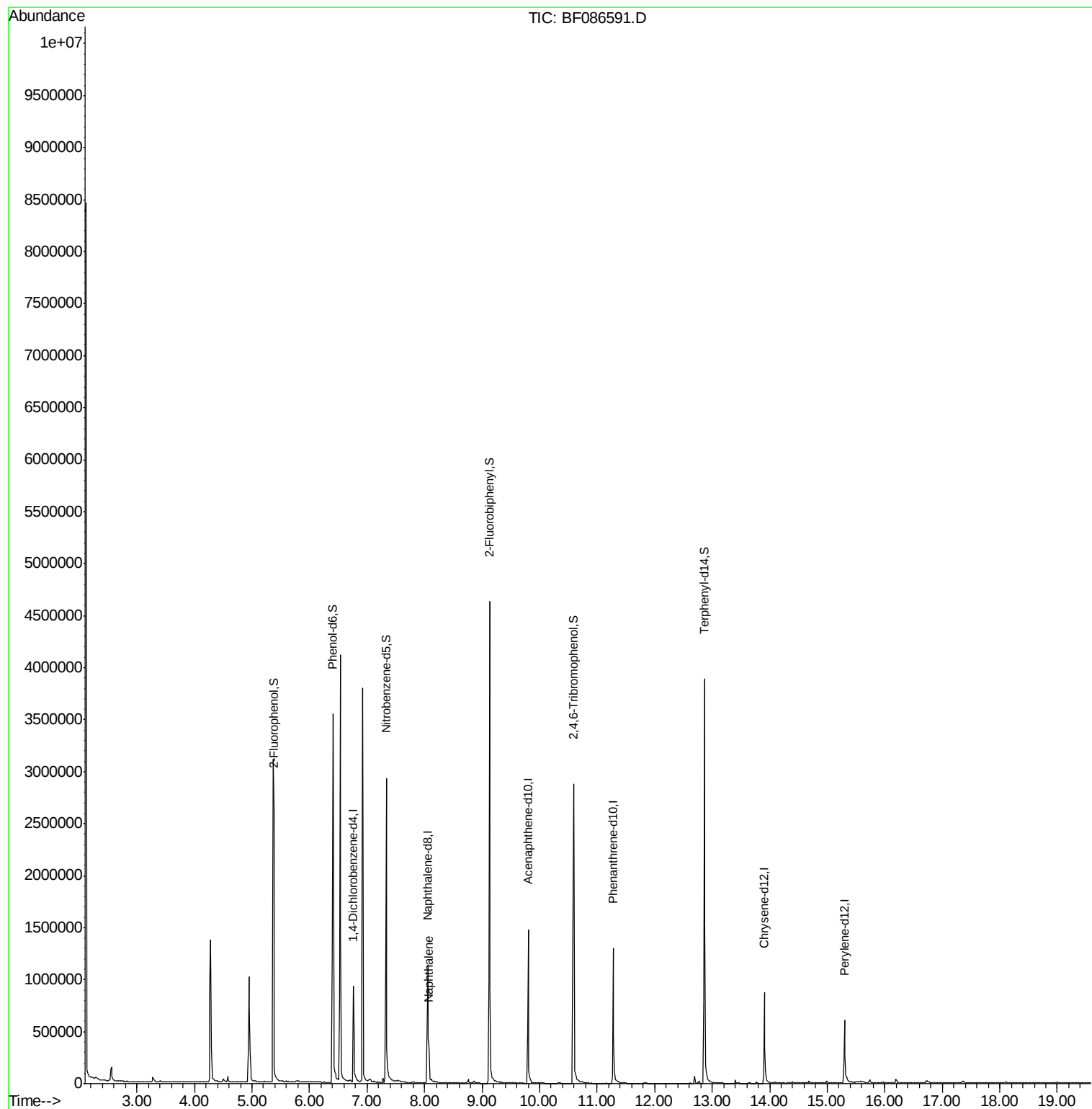
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 154103   | 20.00  | ng    | -0.05        |
| 21) Naphthalene-d8          | 8.05  | 136  | 645023   | 20.00  | ng    | -0.05        |
| 38) Acenaphthene-d10        | 9.80  | 164  | 315943   | 20.00  | ng    | -0.05        |
| 63) Phenanthrene-d10        | 11.28 | 188  | 581545   | 20.00  | ng    | -0.05        |
| 75) Chrysene-d12            | 13.91 | 240  | 396876   | 20.00  | ng    | -0.06        |
| 86) Perylene-d12            | 15.30 | 264  | 309493   | 20.00  | ng    | -0.06        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.38  | 112  | 1185008  | 132.64 | ng    | -0.01        |
| 7) Phenol-d6                | 6.41  | 99   | 1295678  | 103.91 | ng    | -0.03        |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 1071179  | 89.51  | ng    | -0.05        |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 414370   | 124.37 | ng    | -0.05        |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 1538498  | 85.28  | ng    | -0.05        |
| 78) Terphenyl-d14           | 12.87 | 244  | 1478382  | 82.07  | ng    | -0.05        |
| Target Compounds            |       |      |          |        |       |              |
| 31) Naphthalene             | 8.08  | 128  | 242711   | 7.39   | ng    | Qvalue<br>99 |

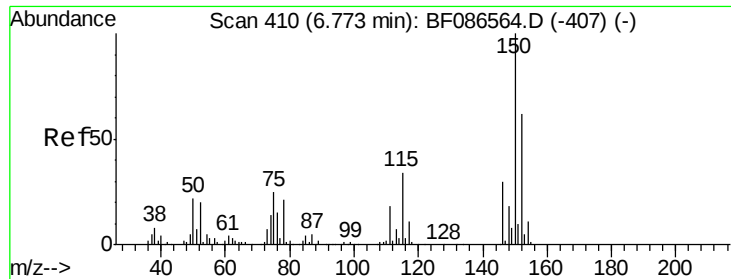
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.05 min

Lab File: BF086591.D

Acq: 2 May 2016 1:53

Instrument :

BNA\_F

ClientSampleId :

TEC-COMP-B1A

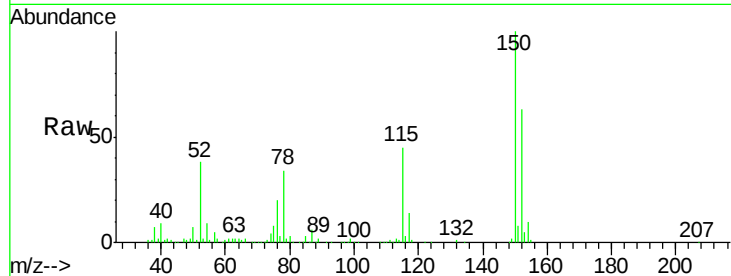
Tgt Ion:152 Resp: 154103

Ion Ratio Lower Upper

152 100

150 157.8 125.8 188.6

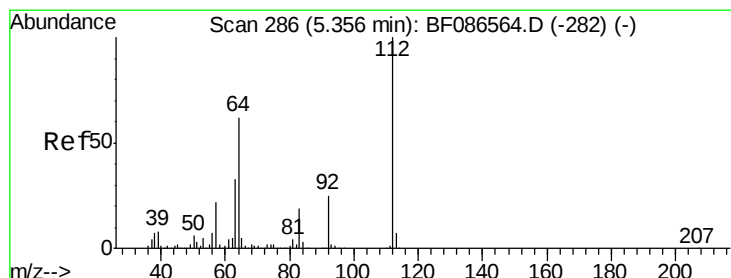
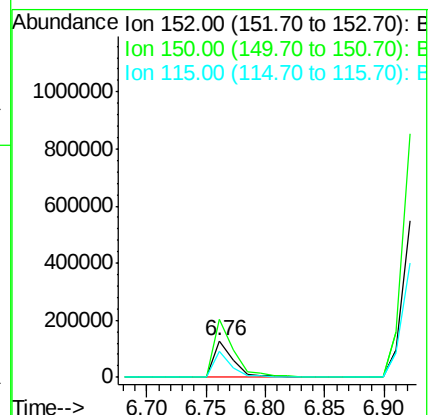
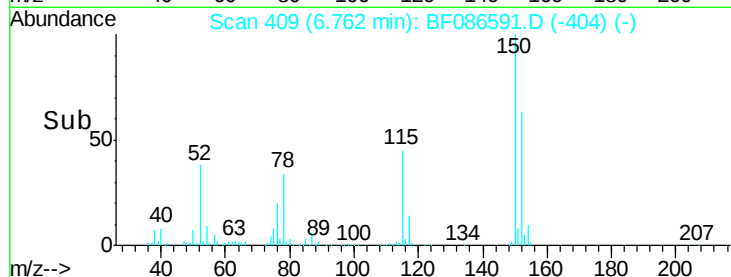
115 70.6 51.5 77.3



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



#5

2-Fluorophenol

Concen: 132.64 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.01 min

Lab File: BF086591.D

Acq: 2 May 2016 1:53

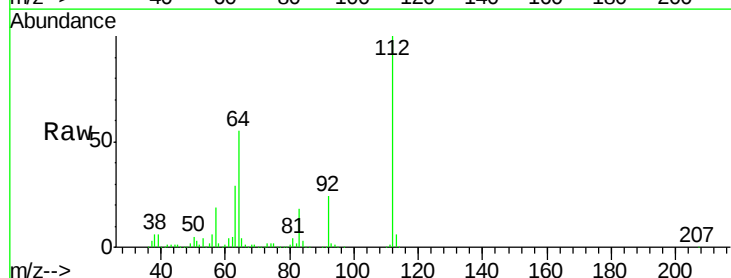
Tgt Ion:112 Resp: 1185008

Ion Ratio Lower Upper

112 100

64 54.7 52.1 78.1

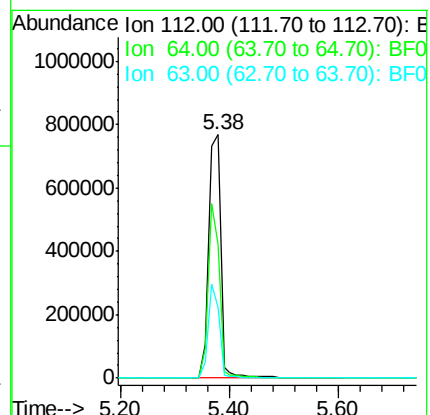
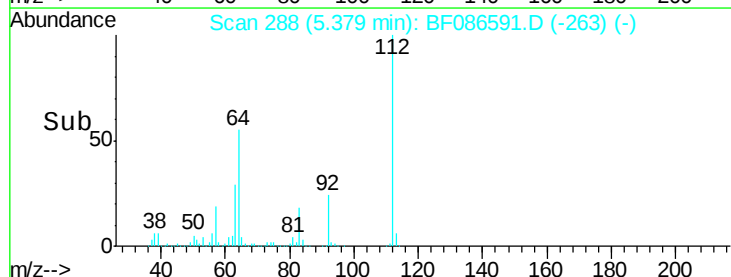
63 29.2 25.7 38.5

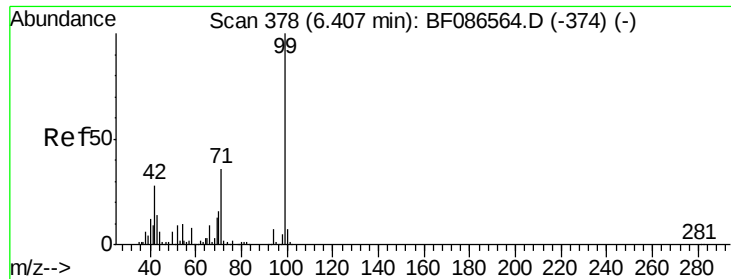


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.91 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086591.D

Acq: 2 May 2016 1:53

Instrument :

BNA\_F

ClientSampleId :

TEC-COMP-B1A

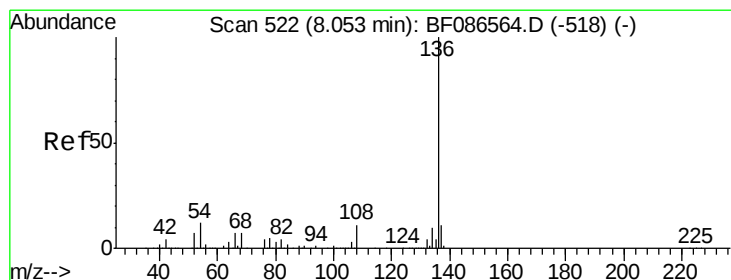
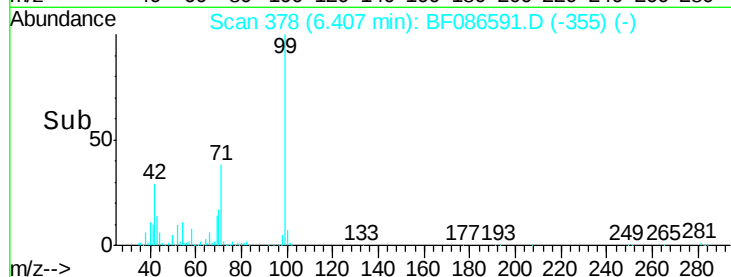
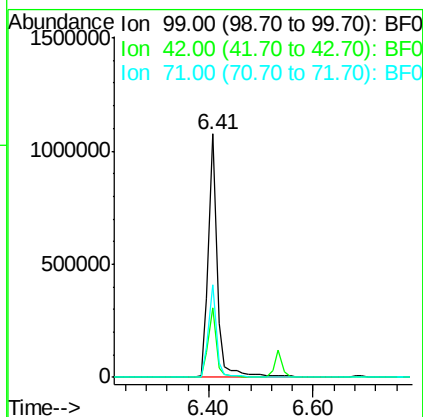
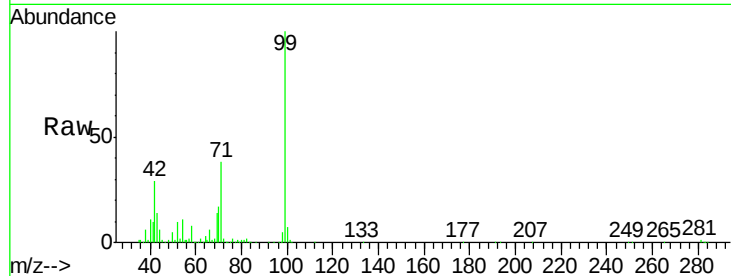
Tgt Ion: 99 Resp: 1295678

Ion Ratio Lower Upper

99 100

42 28.6 13.6 20.4#

71 37.9 24.6 36.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.05 min

Lab File: BF086591.D

Acq: 2 May 2016 1:53

Tgt Ion: 136 Resp: 645023

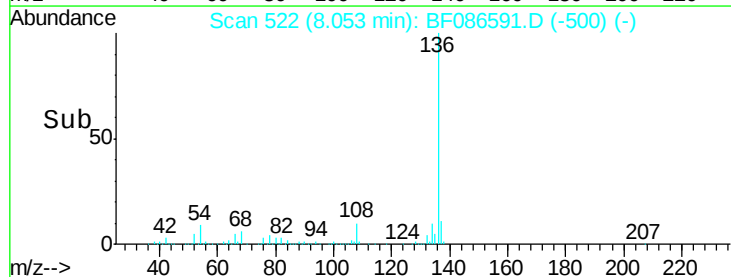
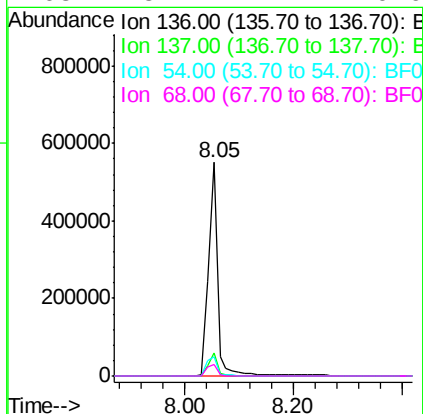
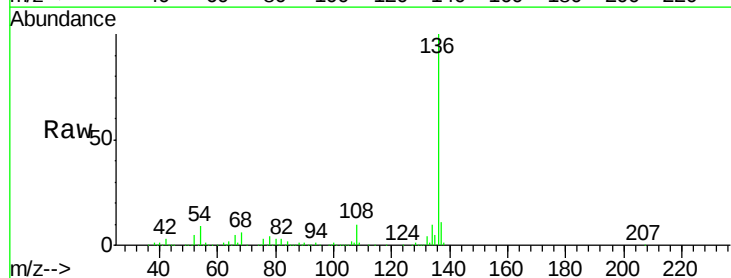
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 9.1 5.0 7.4#

68 5.7 4.4 6.6

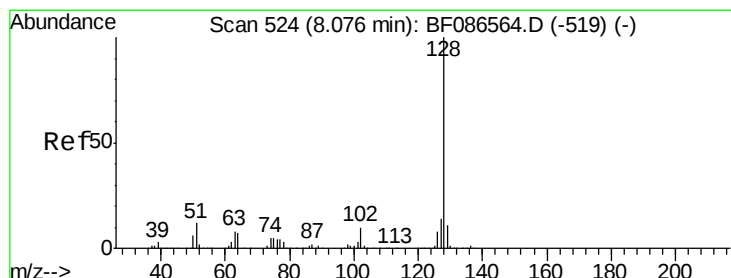
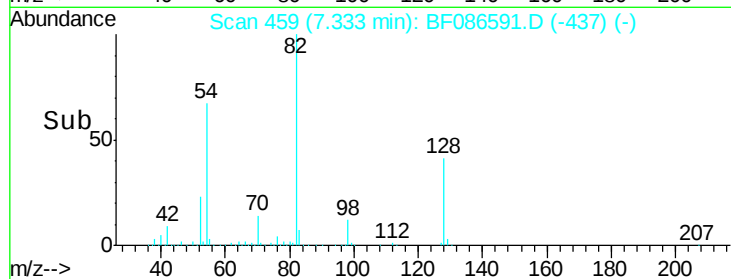
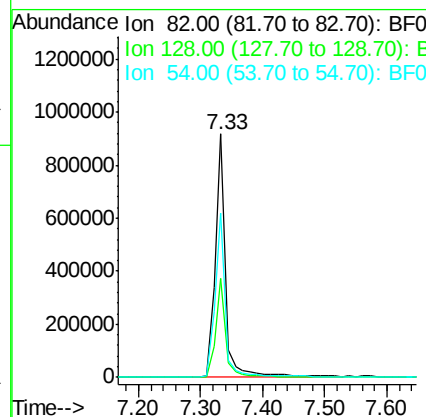
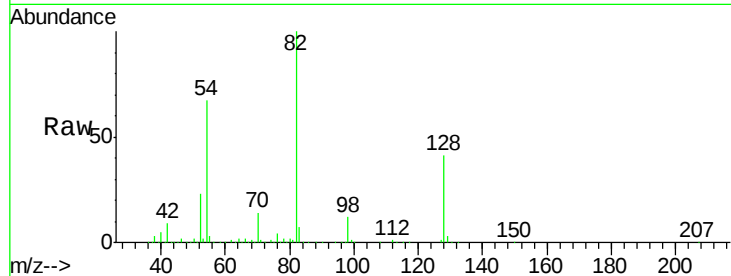




#23  
 Nitrobenzene-d5  
 Concen: 89.51 ng  
 RT: 7.33 min Scan# 459  
 Delta R.T. -0.05 min  
 Lab File: BF086591.D  
 Acq: 2 May 2016 1:53

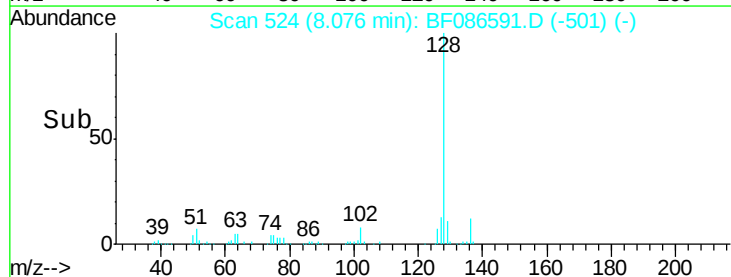
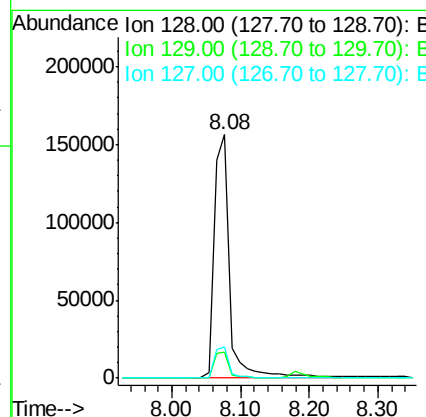
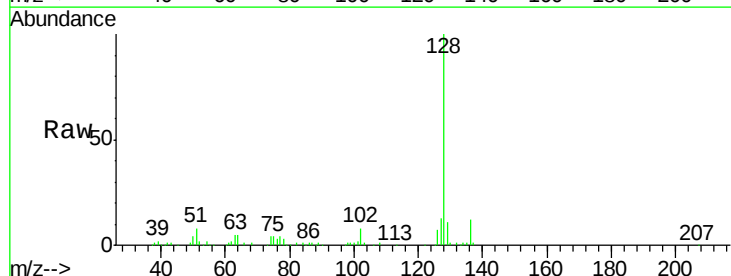
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP-B1A

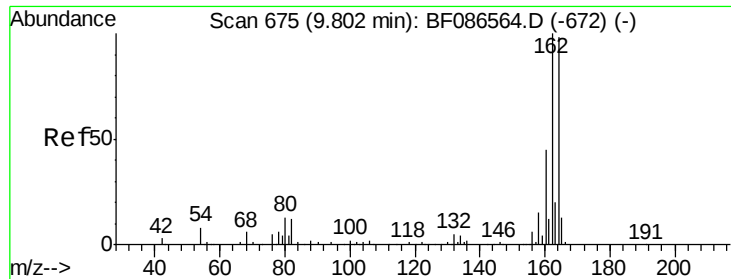
Tgt Ion: 82 Resp: 1071179  
 Ion Ratio Lower Upper  
 82 100  
 128 40.7 40.6 61.0  
 54 67.5 38.1 57.1#



#31  
 Naphthalene  
 Concen: 7.39 ng  
 RT: 8.08 min Scan# 524  
 Delta R.T. -0.03 min  
 Lab File: BF086591.D  
 Acq: 2 May 2016 1:53

Tgt Ion: 128 Resp: 242711  
 Ion Ratio Lower Upper  
 128 100  
 129 10.7 8.6 13.0  
 127 12.7 10.8 16.2

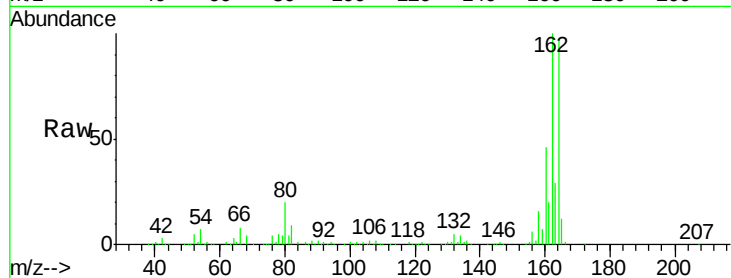




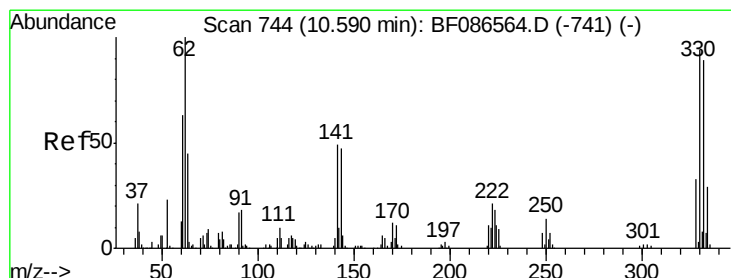
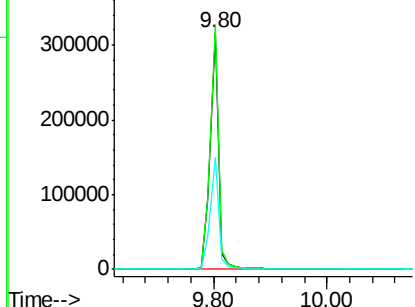
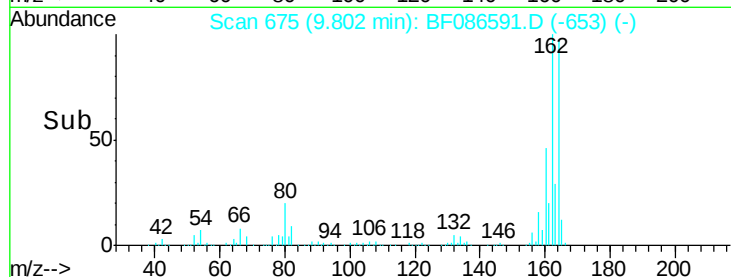
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.80 min Scan# 675  
 Delta R.T. -0.05 min  
 Lab File: BF086591.D  
 Acq: 2 May 2016 1:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP-B1A

Tgt Ion:164 Resp: 315943  
 Ion Ratio Lower Upper  
 164 100  
 162 102.9 82.8 124.2  
 160 47.0 36.9 55.3

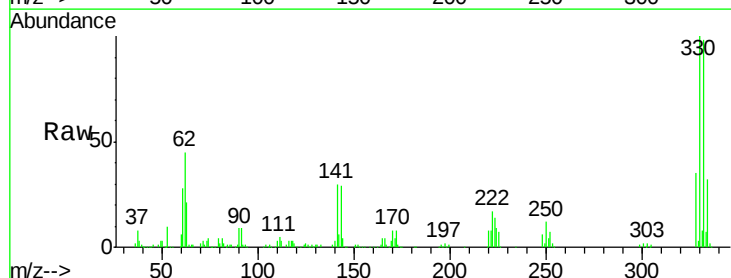


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

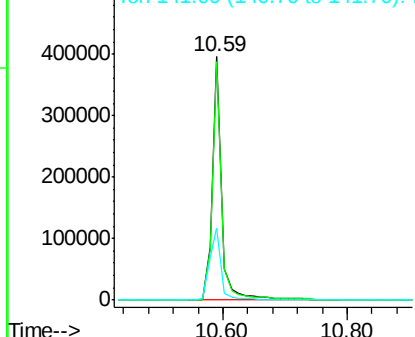
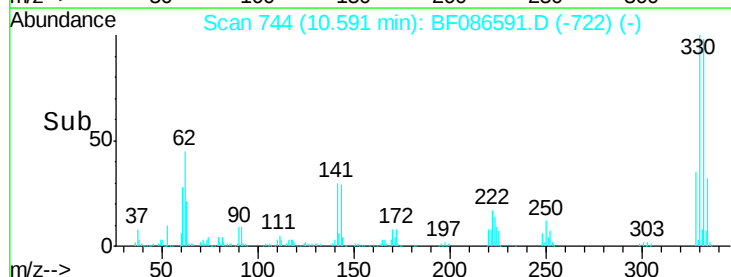


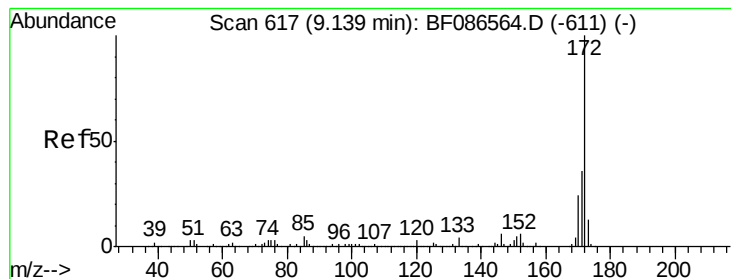
#41  
 2,4,6-Tribromophenol  
 Concen: 124.37 ng  
 RT: 10.59 min Scan# 744  
 Delta R.T. -0.05 min  
 Lab File: BF086591.D  
 Acq: 2 May 2016 1:53

Tgt Ion:330 Resp: 414370  
 Ion Ratio Lower Upper  
 330 100  
 332 97.7 79.0 118.4  
 141 37.8 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

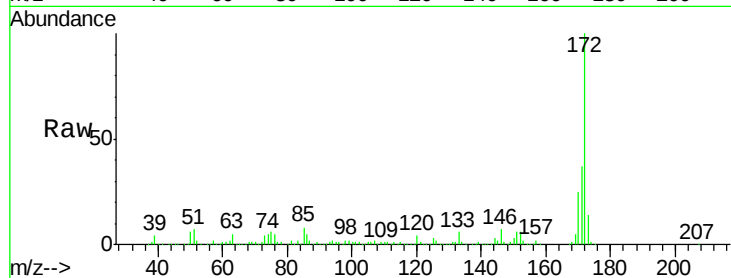




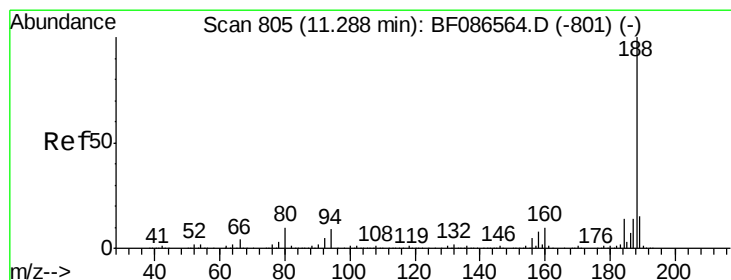
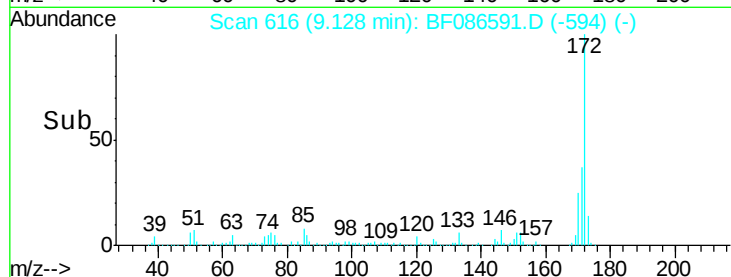
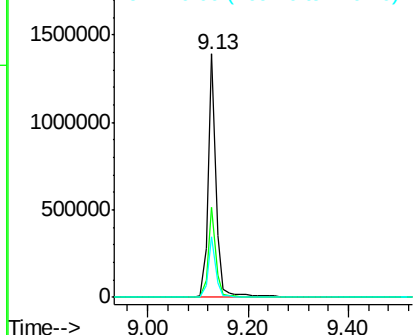
#44  
 2-Fluorobiphenyl  
 Concen: 85.28 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. -0.05 min  
 Lab File: BF086591.D  
 Acq: 2 May 2016 1:53

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Tgt Ion:172 Resp: 1538498  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.0 43.6  
 170 24.7 19.8 29.8

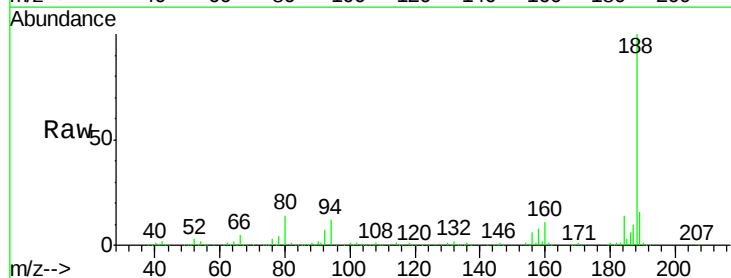


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

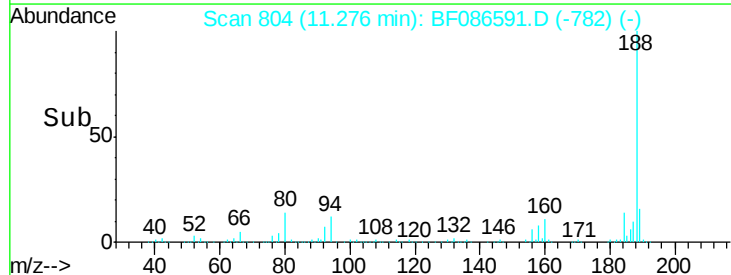
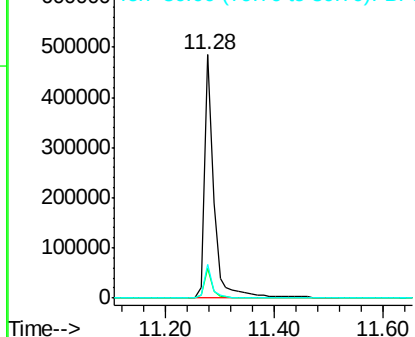


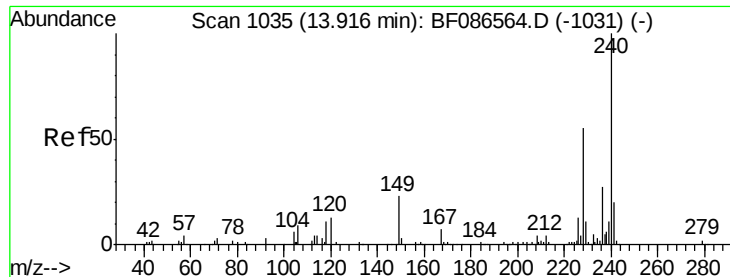
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.28 min Scan# 804  
 Delta R.T. -0.05 min  
 Lab File: BF086591.D  
 Acq: 2 May 2016 1:53

Tgt Ion:188 Resp: 581545  
 Ion Ratio Lower Upper  
 188 100  
 94 12.4 6.8 10.2#  
 80 13.8 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: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086591.D

Acq: 2 May 2016 1:53

Instrument :

BNA\_F

ClientSampleId :

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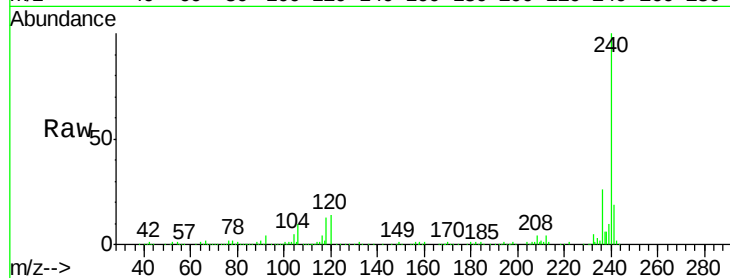
Tgt Ion:240 Resp: 396876

Ion Ratio Lower Upper

240 100

120 14.4 11.2 16.8

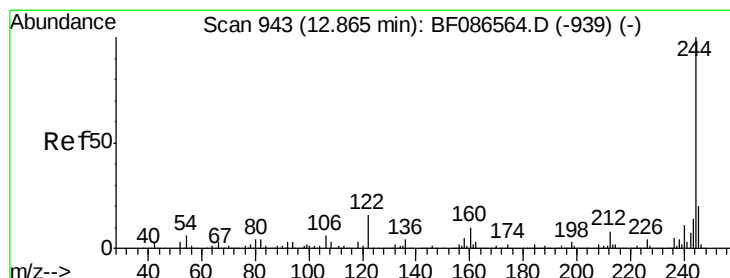
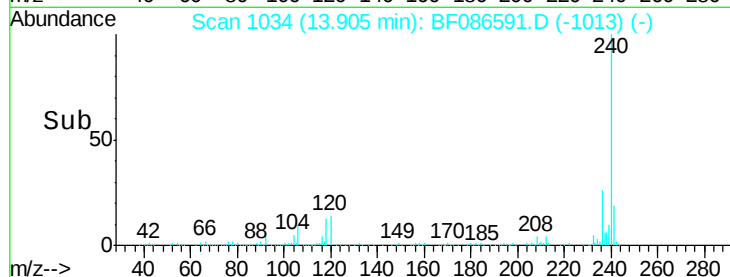
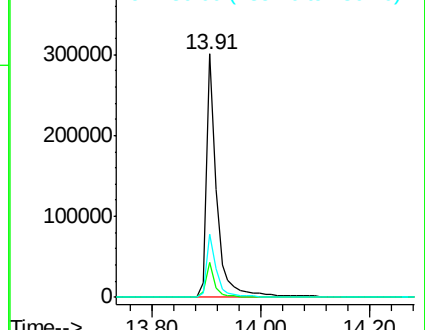
236 26.1 21.2 31.8



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: 82.07 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.05 min

Lab File: BF086591.D

Acq: 2 May 2016 1:53

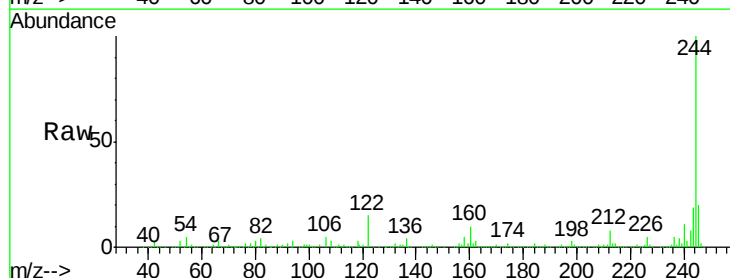
Tgt Ion:244 Resp: 1478382

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

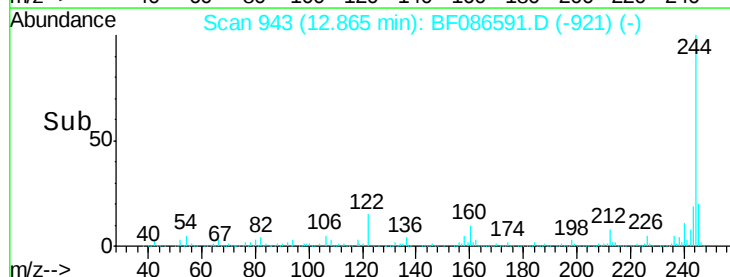
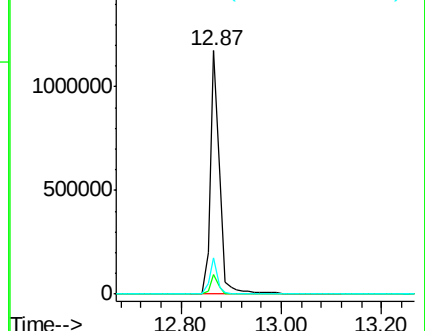
122 14.7 12.0 18.0

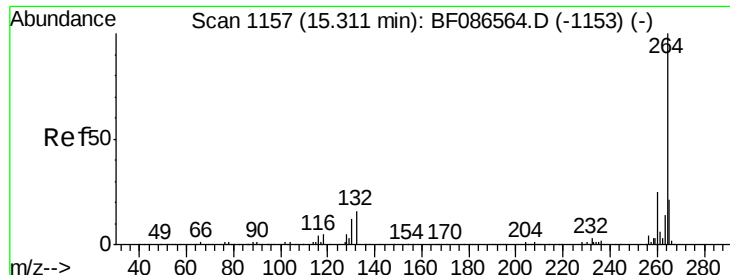


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.30 min Scan# 1156

Delta R.T. -0.06 min

Lab File: BF086591.D

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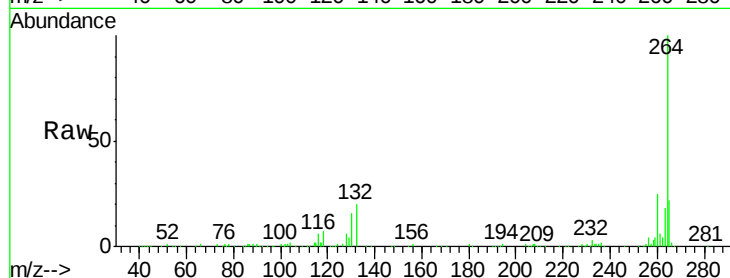
Tgt Ion: 264 Resp: 309493

Ion Ratio Lower Upper

264 100

260 25.1 19.5 29.3

265 21.7 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

