

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050116\  
 Data File : BF086595.D  
 Acq On : 2 May 2016 3:45  
 Operator : UM/SJ  
 Sample : H2702-12  
 Misc :  
 ALS Vial : 78 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP-B1C

Quant Time: May 02 05:30:22 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 02 04:16:52 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 138710   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.05  | 136  | 584326   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.80  | 164  | 264021   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.28 | 188  | 524599   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.91 | 240  | 328383   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.30 | 264  | 163705   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.37  | 112  | 1037622  | 129.03 | ng    | 0.01     |
| 7) Phenol-d6                | 6.41  | 99   | 1195052  | 106.48 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 1044257  | 96.33  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 391482   | 140.60 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 1474018  | 101.77 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.87 | 244  | 1379974  | 92.58  | ng    | 0.00     |

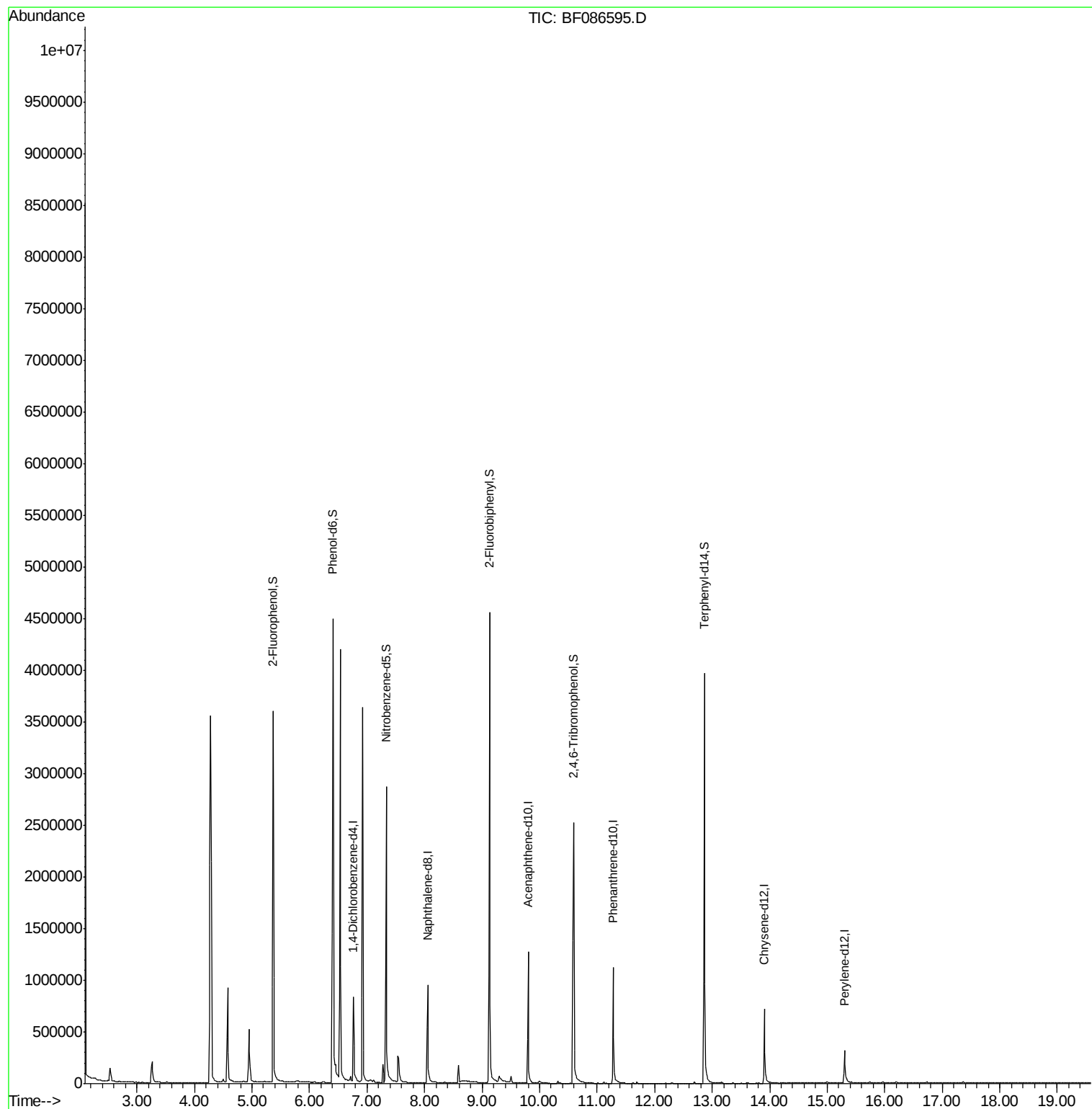
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

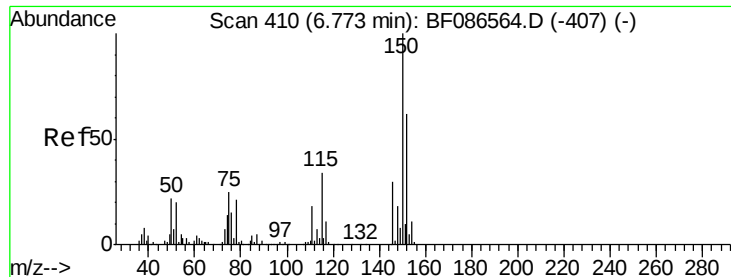
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 02 04:16:52 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF086595.D

Acq: 2 May 2016 3:45

Instrument :

BNA\_F

ClientSampleId :

TEC-COMP-B1C

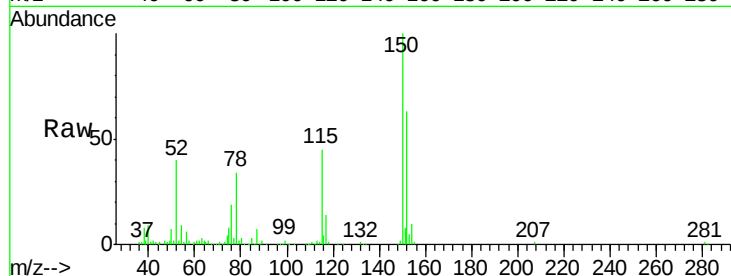
Tgt Ion:152 Resp: 138710

Ion Ratio Lower Upper

152 100

150 157.7 125.8 188.6

115 70.7 51.5 77.3

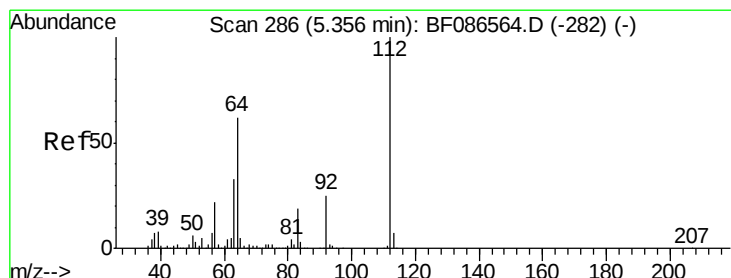
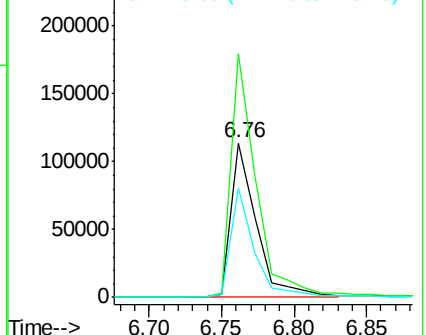
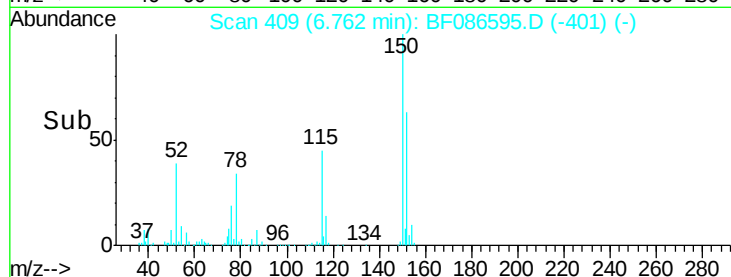


Abundance

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: 129.03 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.01 min

Lab File: BF086595.D

Acq: 2 May 2016 3:45

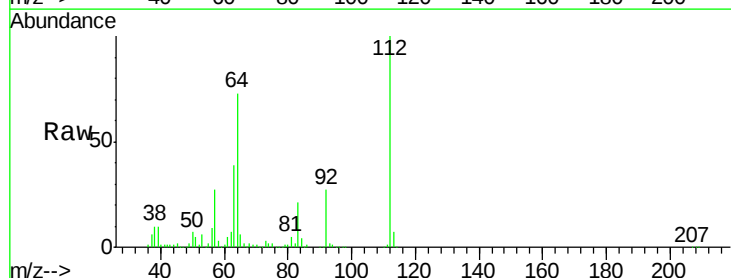
Tgt Ion:112 Resp: 1037622

Ion Ratio Lower Upper

112 100

64 72.8 52.1 78.1

63 39.3 25.7 38.5#

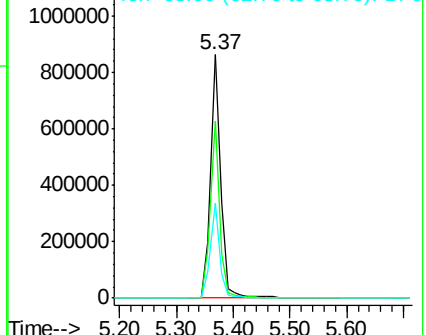
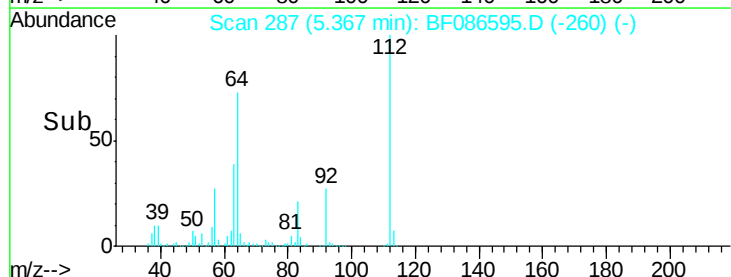


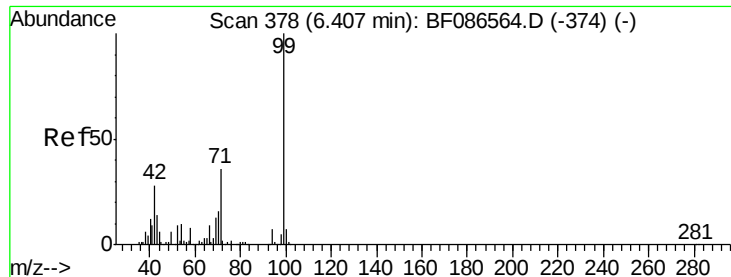
Abundance

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: 106.48 ng

RT: 6.41 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF086595.D

Acq: 2 May 2016 3:45

Instrument :

BNA\_F

ClientSampleId :

TEC-COMP-B1C

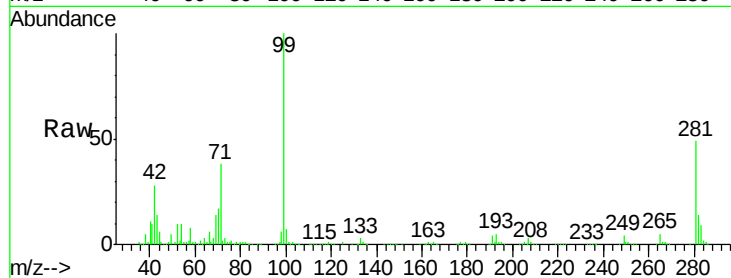
Tgt Ion: 99 Resp: 1195052

Ion Ratio Lower Upper

99 100

42 28.1 13.6 20.4#

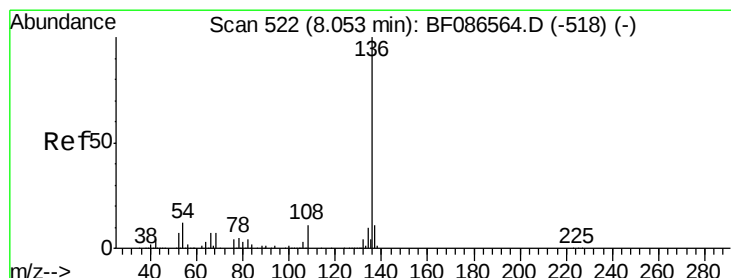
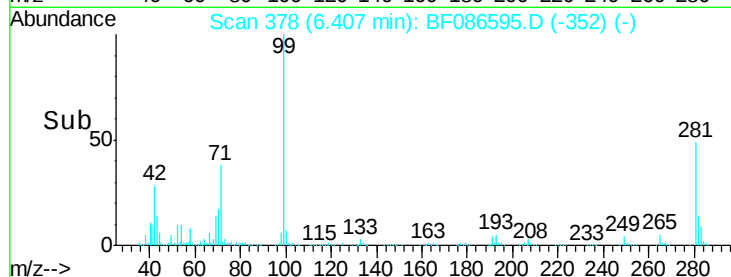
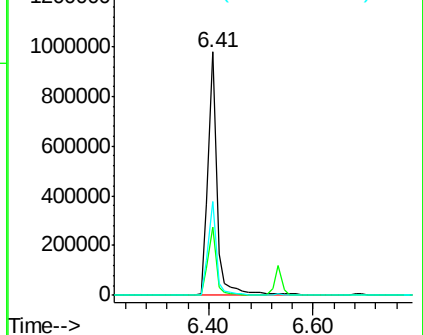
71 38.4 24.6 36.8#



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: 8.05 min Scan# 522

Delta R.T. 0.00 min

Lab File: BF086595.D

Acq: 2 May 2016 3:45

Tgt Ion: 136 Resp: 584326

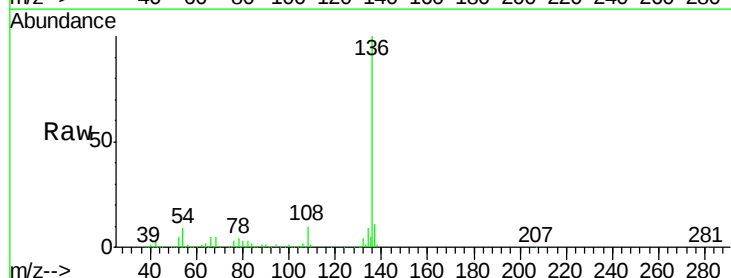
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.1 5.0 7.4#

68 5.2 4.4 6.6

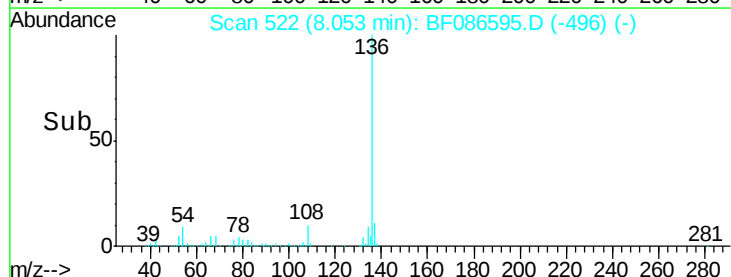
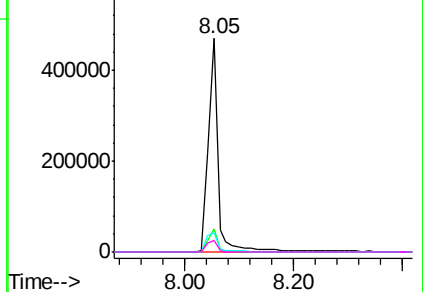


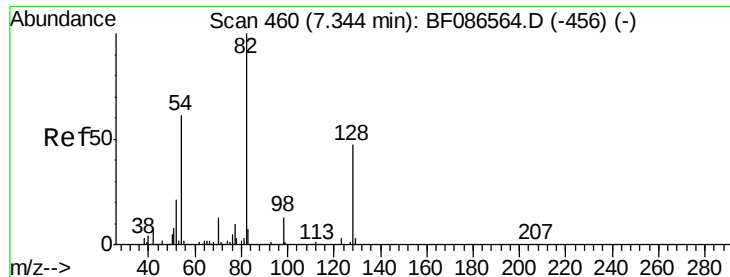
Abundance Ion 136.00 (135.70 to 136.70): E

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

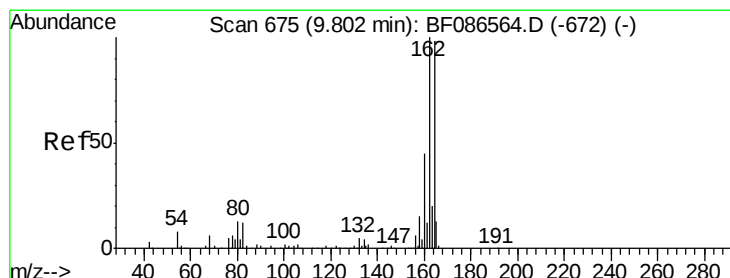
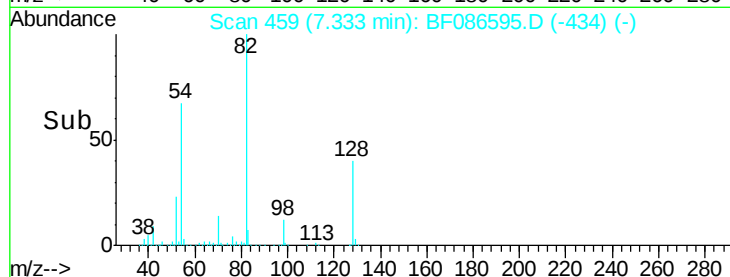
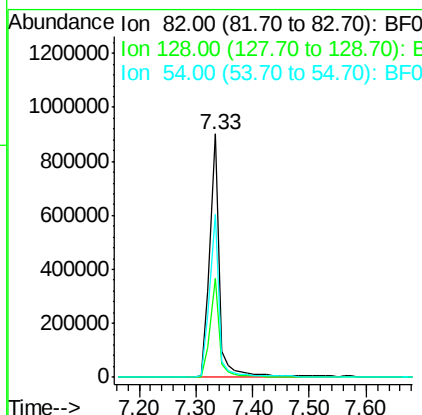
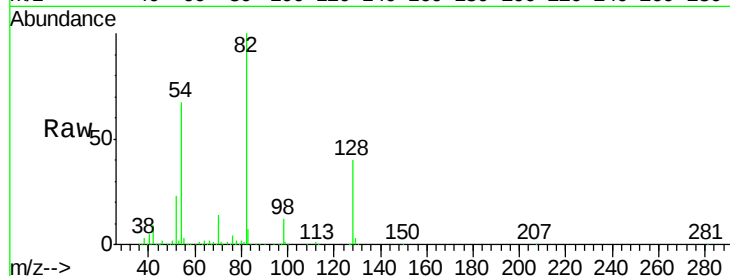




#23  
 Nitrobenzene-d5  
 Concen: 96.33 ng  
 RT: 7.33 min Scan# 459  
 Delta R.T. -0.01 min  
 Lab File: BF086595.D  
 Acq: 2 May 2016 3:45

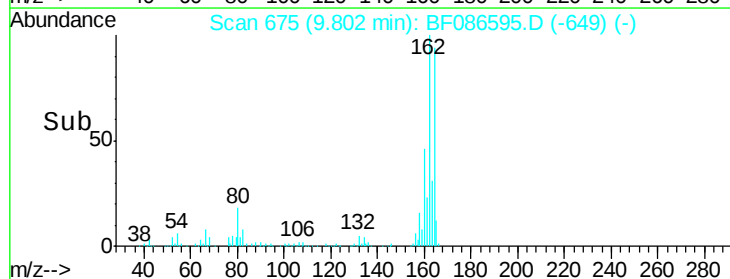
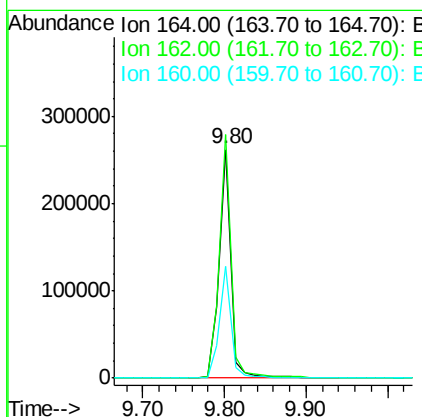
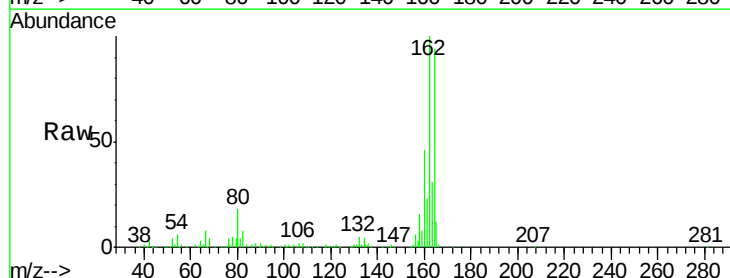
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP-B1C

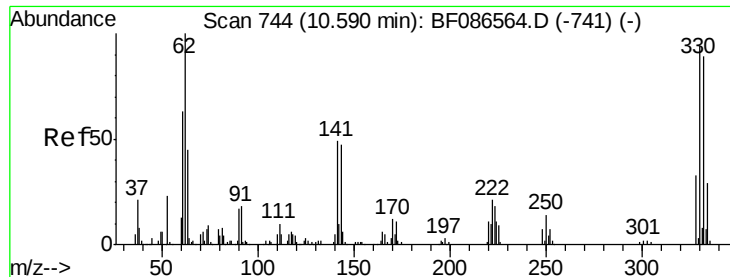
Tgt Ion: 82 Resp: 1044257  
 Ion Ratio Lower Upper  
 82 100  
 128 40.5 40.6 61.0#  
 54 66.8 38.1 57.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.80 min Scan# 675  
 Delta R.T. 0.00 min  
 Lab File: BF086595.D  
 Acq: 2 May 2016 3:45

Tgt Ion: 164 Resp: 264021  
 Ion Ratio Lower Upper  
 164 100  
 162 106.4 82.8 124.2  
 160 48.9 36.9 55.3

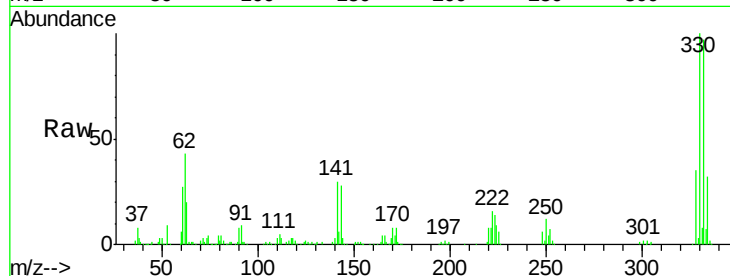




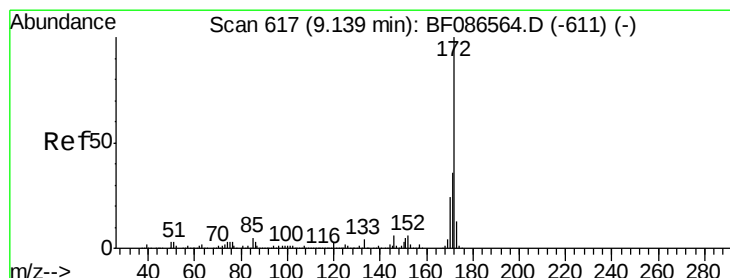
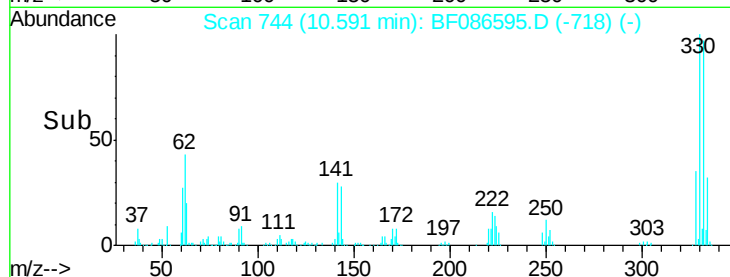
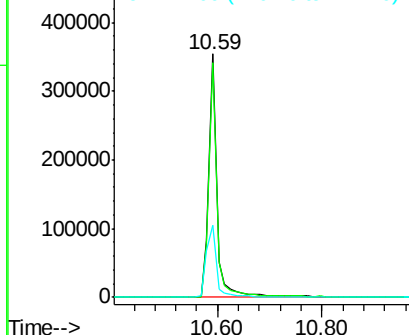
#41  
 2,4,6-Tribromophenol  
 Concen: 140.60 ng  
 RT: 10.59 min Scan# 744  
 Delta R.T. 0.00 min  
 Lab File: BF086595.D  
 Acq: 2 May 2016 3:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP-B1C

Tgt Ion:330 Resp: 391482  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 79.0 118.4  
 141 37.4 31.2 46.8

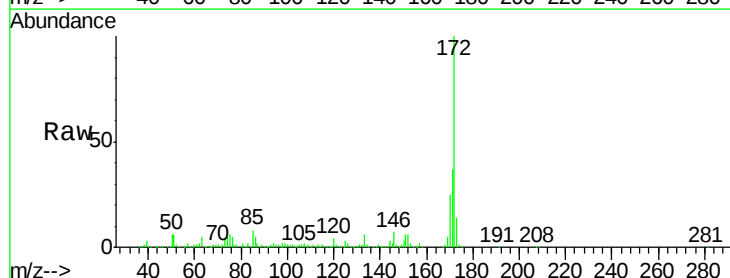


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

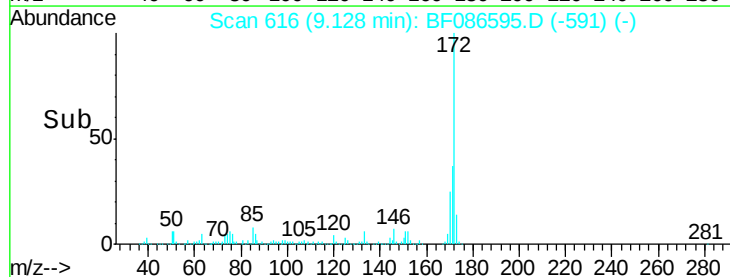
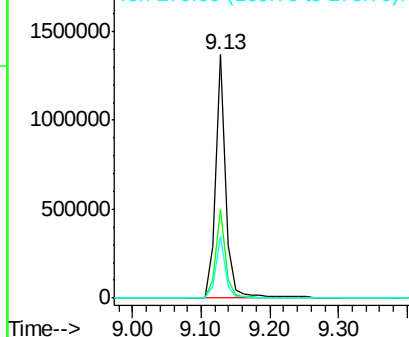


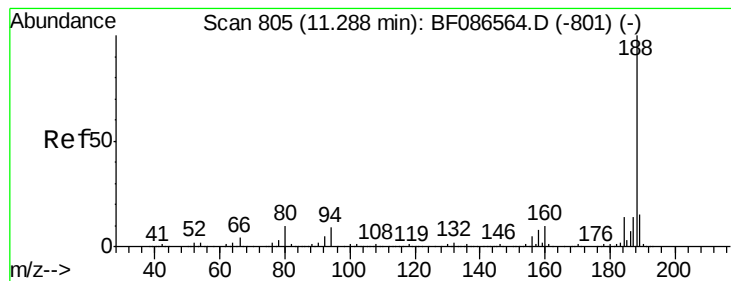
#44  
 2-Fluorobiphenyl  
 Concen: 101.77 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. -0.01 min  
 Lab File: BF086595.D  
 Acq: 2 May 2016 3:45

Tgt Ion:172 Resp: 1474018  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.0 43.6  
 170 25.2 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. -0.01 min

Lab File: BF086595.D

Acq: 2 May 2016 3:45

Instrument :

BNA\_F

ClientSampleId :

TEC-COMP-B1C

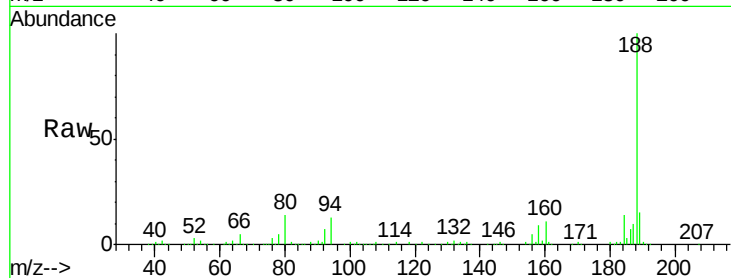
Tgt Ion:188 Resp: 524599

Ion Ratio Lower Upper

188 100

94 12.6 6.8 10.2#

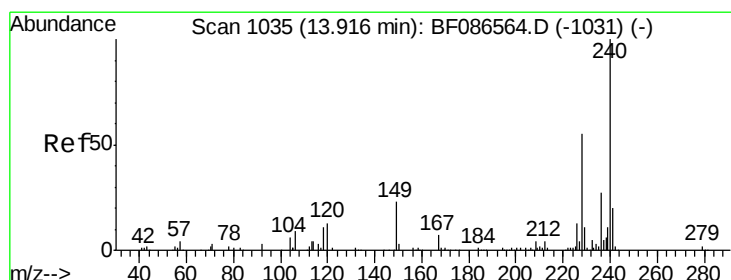
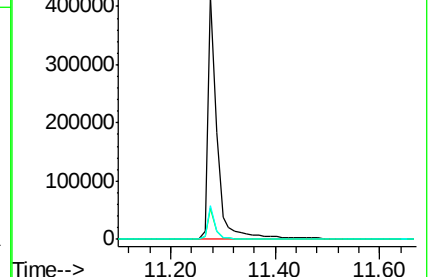
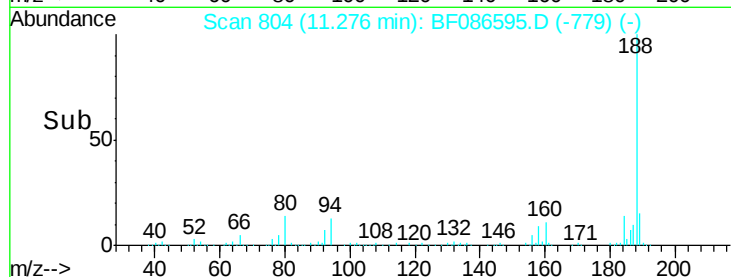
80 13.9 7.1 10.7#



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. -0.01 min

Lab File: BF086595.D

Acq: 2 May 2016 3:45

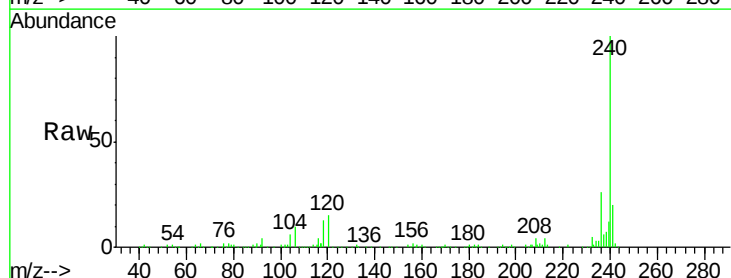
Tgt Ion:240 Resp: 328383

Ion Ratio Lower Upper

240 100

120 15.0 11.2 16.8

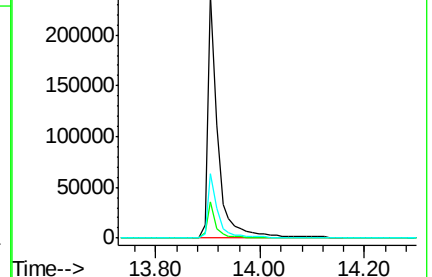
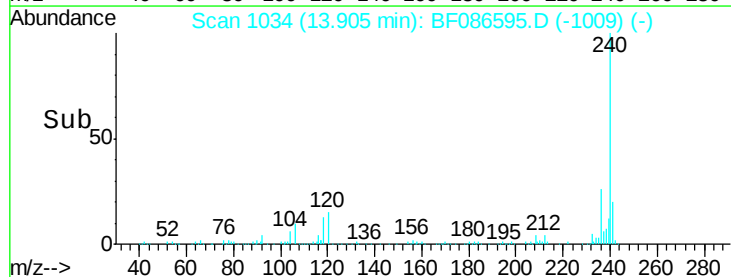
236 26.3 21.2 31.8

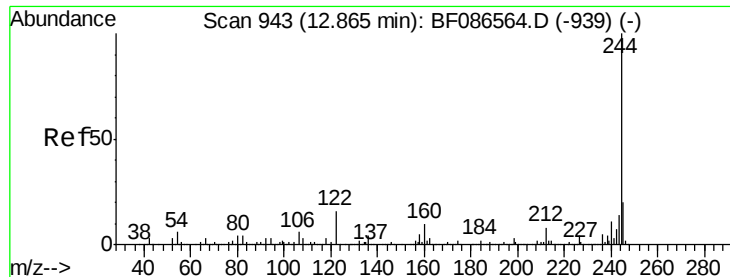


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 92.58 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF086595.D

Acq: 2 May 2016 3:45

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ClientSampleId :

TEC-COMP-B1C

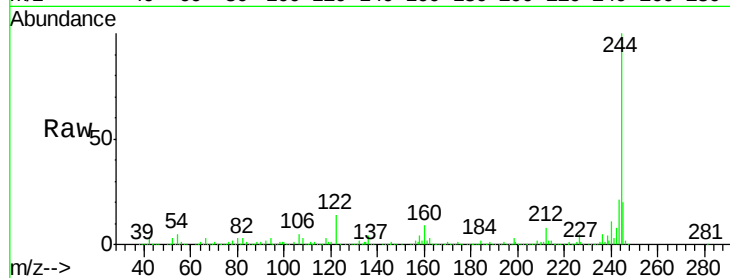
Tgt Ion:244 Resp: 1379974

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

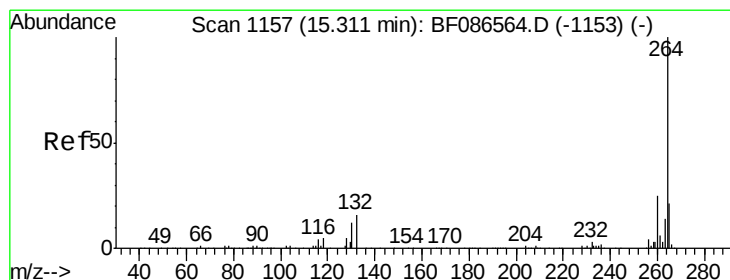
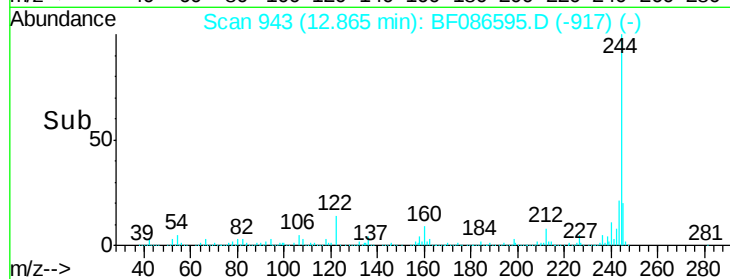
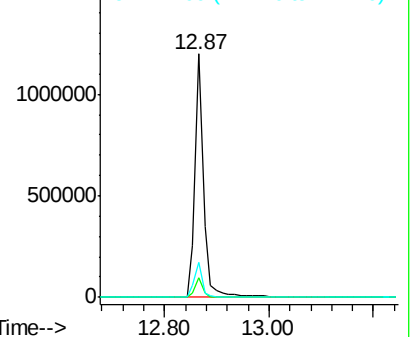
122 14.3 12.0 18.0



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. -0.01 min

Lab File: BF086595.D

Acq: 2 May 2016 3:45

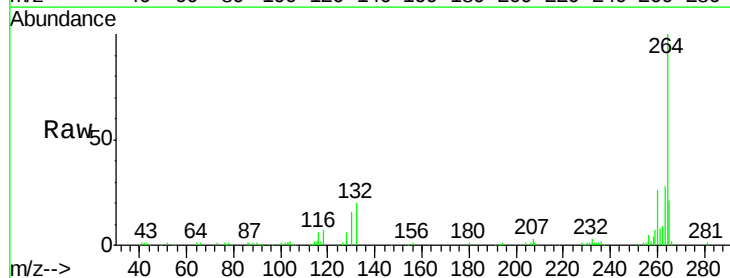
Tgt Ion:264 Resp: 163705

Ion Ratio Lower Upper

264 100

260 25.7 19.5 29.3

265 21.2 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

