

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\  
 Data File : BF099282.D  
 Acq On : 10 Oct 2017 00:32  
 Operator : SJ/JU  
 Sample : I5651-09  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-116-1(5-10)

Quant Time: Oct 10 04:35:59 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 05 17:20:48 2017  
 Response via : Initial Calibration

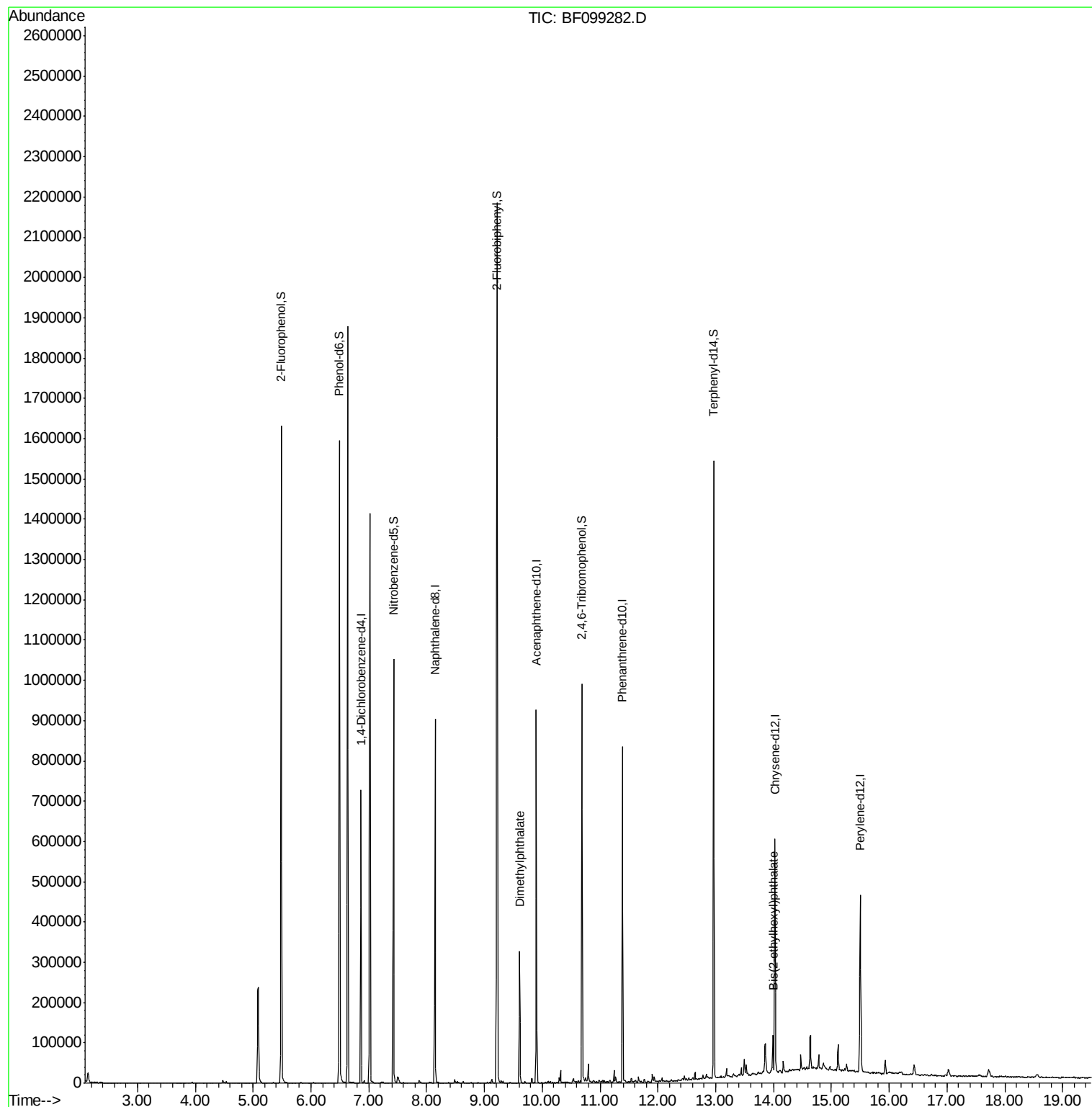
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.86  | 152  | 100977   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.15  | 136  | 411039   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.90  | 164  | 175712   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.39 | 188  | 270838   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 14.03 | 240  | 184945   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 15.50 | 264  | 187282   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.49  | 112  | 482859   | 76.12 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.49  | 99   | 583216   | 74.53 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.43  | 82   | 338226   | 52.77 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.69 | 330  | 108205   | 75.26 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.22  | 172  | 684990   | 65.08 | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.97 | 244  | 444592   | 54.67 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 49) Dimethylphthalate          | 9.61  | 163  | 123933   | 9.345 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 31129    | 3.411 | ng    | 97       |

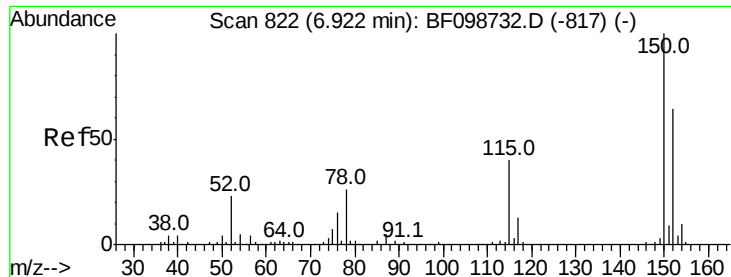
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ENV-116-1(5-10)

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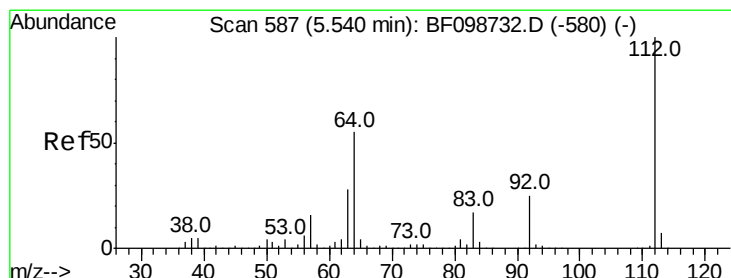
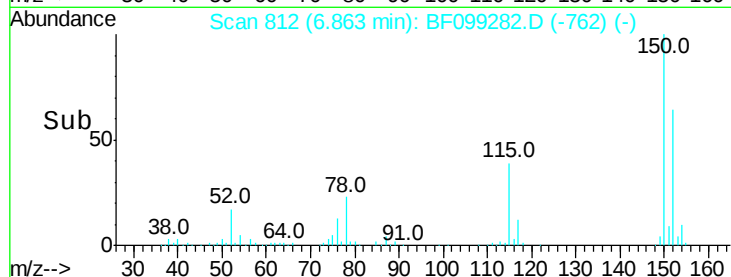
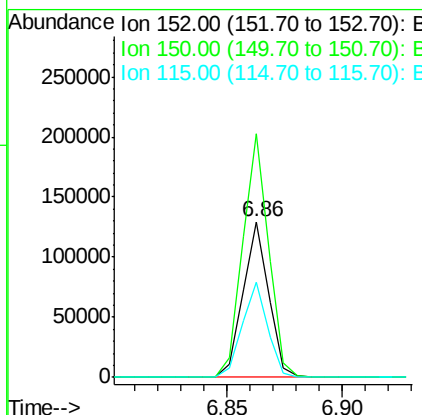
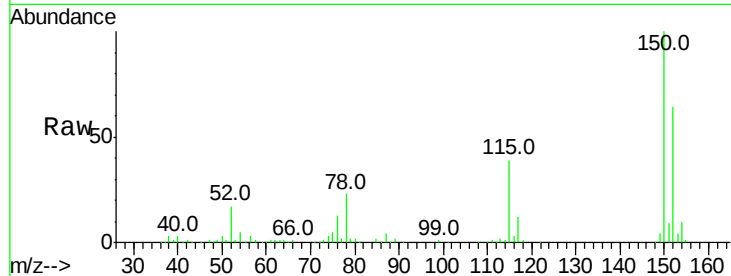


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.86 min Scan# 812  
 Delta R.T. -0.01 min  
 Lab File: BF099282.D  
 Acq: 10 Oct 2017 00:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-116-1(5-10)

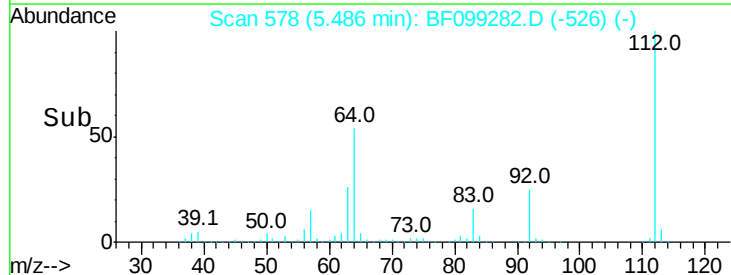
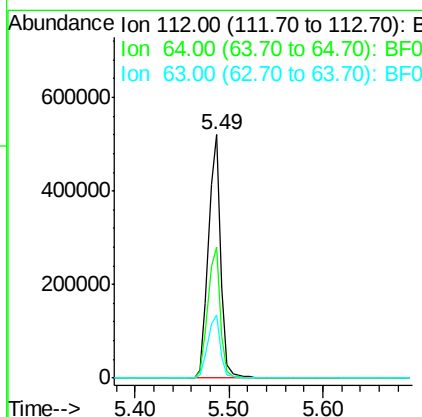
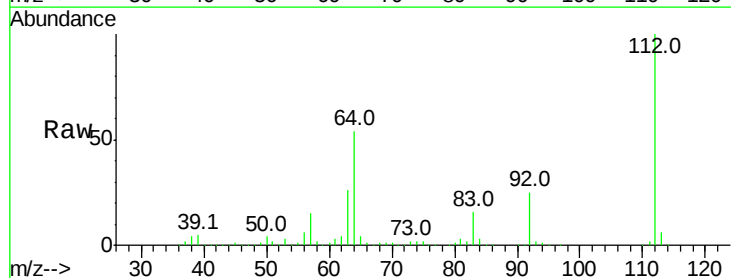
Tot Ion:152 Resp: 100977  
 Ion Ratio Lower Upper  
 152 100  
 150 156.2 124.6 186.8  
 115 61.4 50.1 75.1

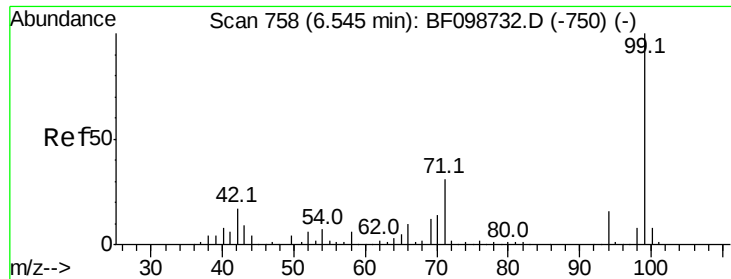


#5

2-Fluorophenol  
 Concen: 76.123 ng  
 RT: 5.49 min Scan# 578  
 Delta R.T. 0.01 min  
 Lab File: BF099282.D  
 Acq: 10 Oct 2017 00:32

Tgt Ion:112 Resp: 482859  
 Ion Ratio Lower Upper  
 112 100  
 64 53.8 47.9 71.9  
 63 25.8 23.7 35.5





#7

Phenol-d6

Concen: 74.532 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099282.D

Acq: 10 Oct 2017 00:32

Instrument :

BNA\_F

ClientSampleId :

ENV-116-1(5-10)

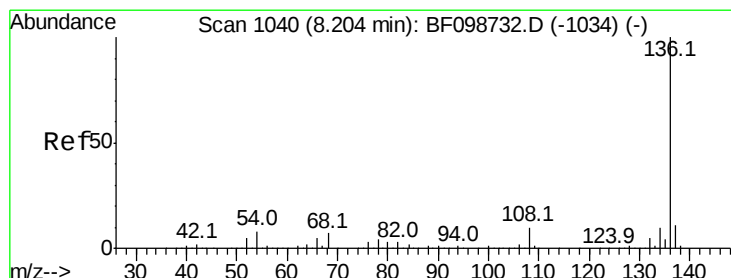
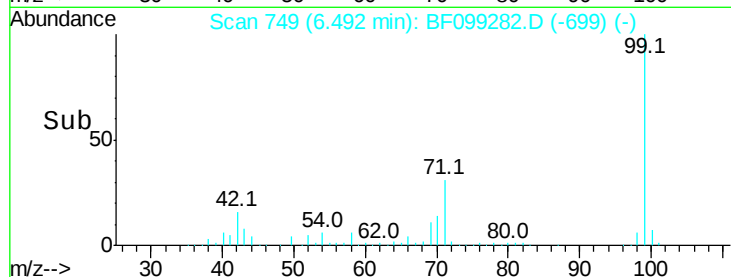
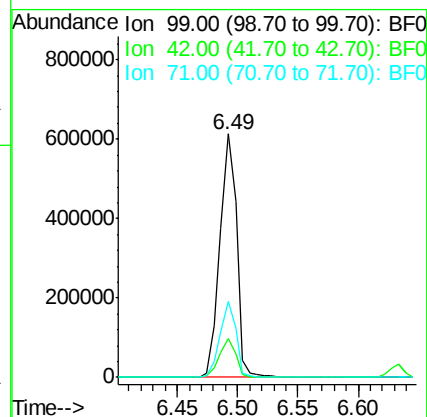
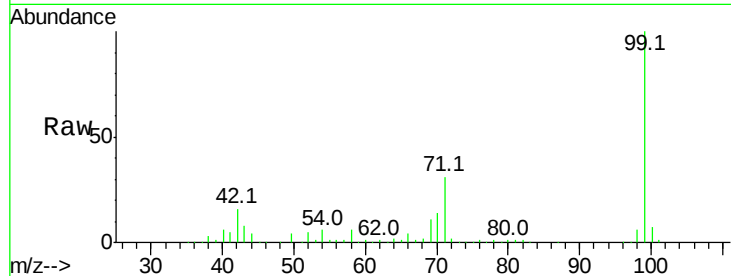
Tot Ion: 99 Resp: 583216

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

71 31.0 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099282.D

Acq: 10 Oct 2017 00:32

Tgt Ion: 136 Resp: 411039

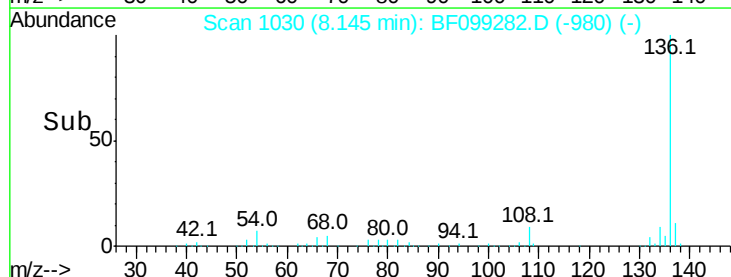
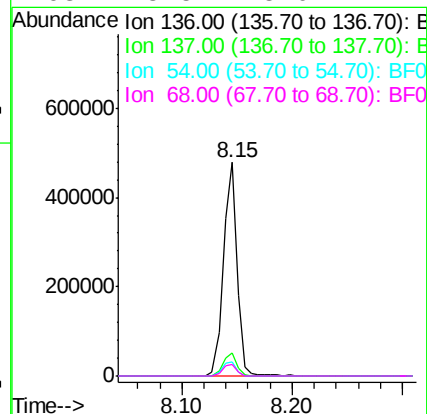
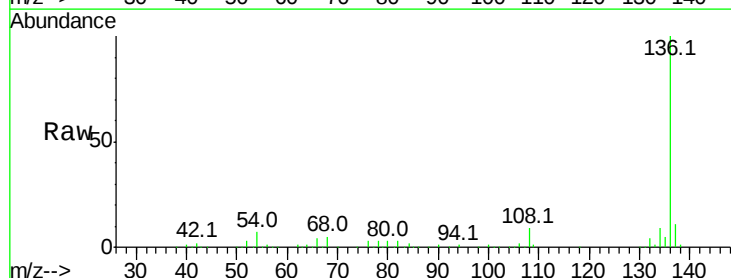
Ion Ratio Lower Upper

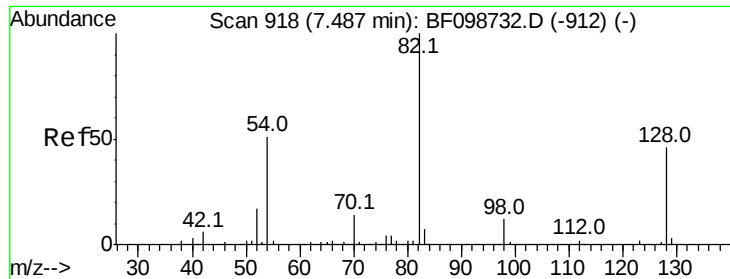
136 100

137 10.9 8.9 13.3

54 6.6 6.6 9.8#

68 5.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 52.770 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF099282.D

Acq: 10 Oct 2017 00:32

Instrument :

BNA\_F

ClientSampleId :

ENV-116-1(5-10)

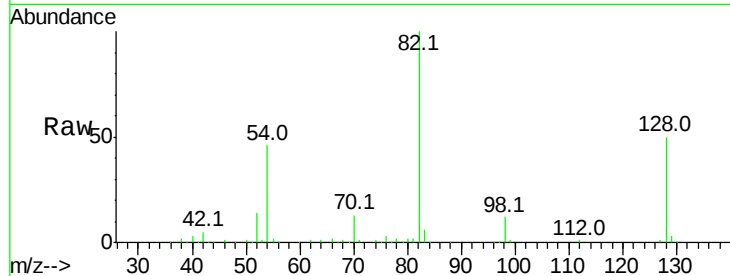
Tot Ion: 82 Resp: 338226

Ion Ratio Lower Upper

82 100

128 50.2 36.1 54.1

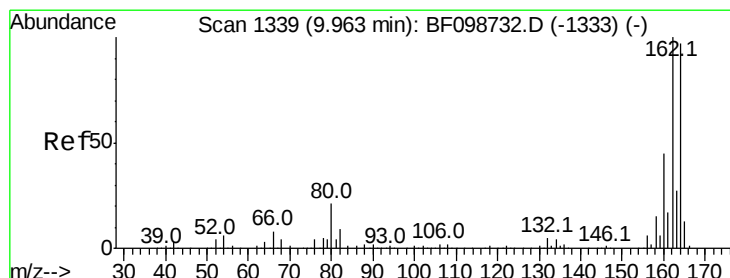
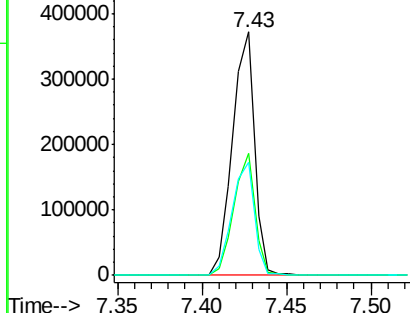
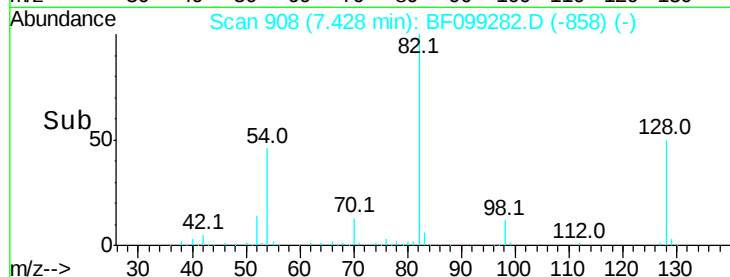
54 46.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099282.D

Acq: 10 Oct 2017 00:32

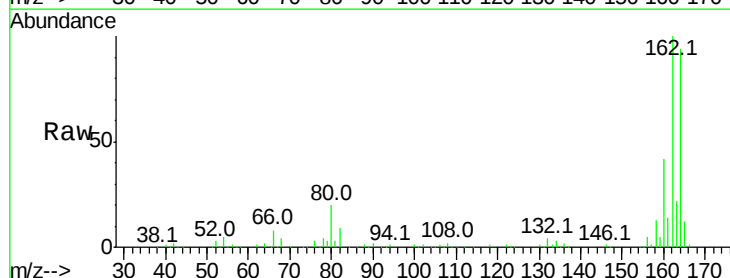
Tgt Ion: 164 Resp: 175712

Ion Ratio Lower Upper

164 100

162 106.8 86.1 129.1

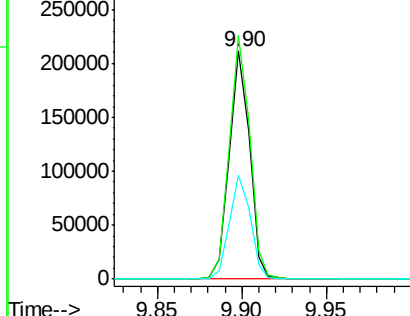
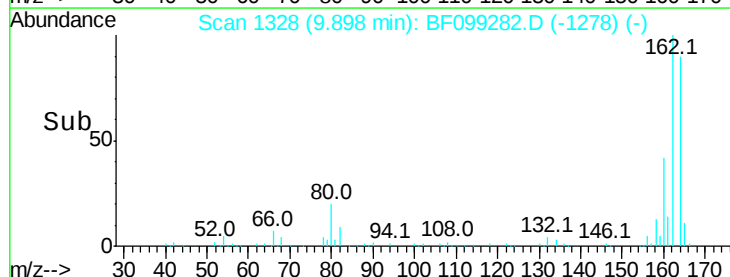
160 45.4 38.3 57.5



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

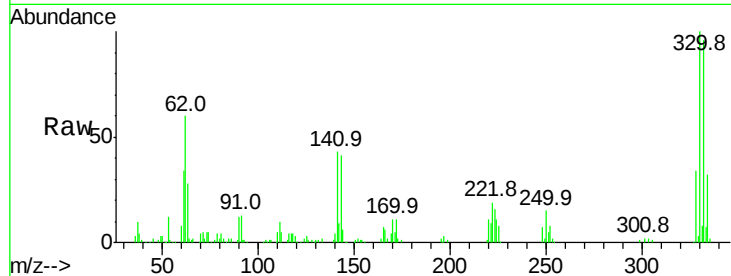




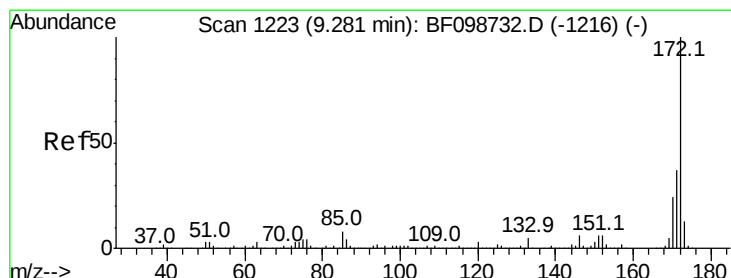
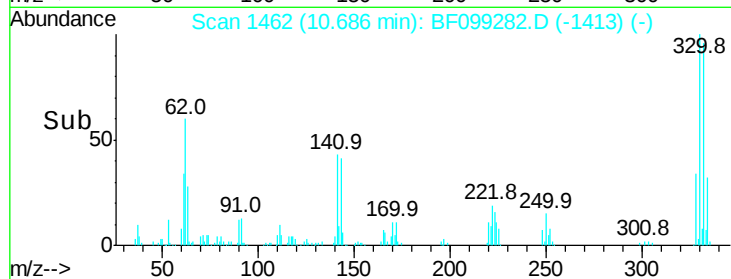
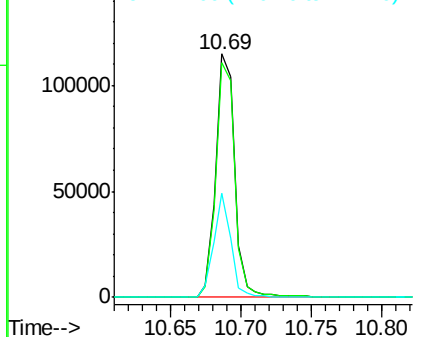
#41  
 2,4,6-Tribromophenol  
 Concen: 75.257 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.01 min  
 Lab File: BF099282.D  
 Acq: 10 Oct 2017 00:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-116-1(5-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 77.0  | 115.6 |
| 141     | 38.8  | 29.9  | 44.9  |

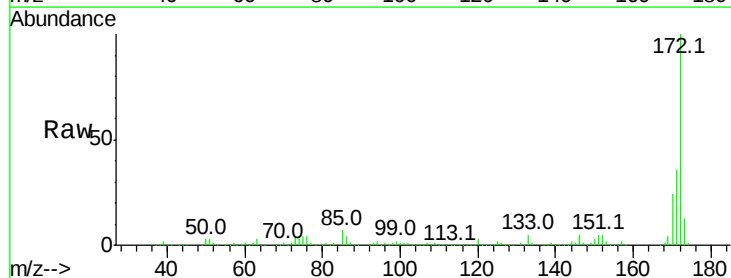


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

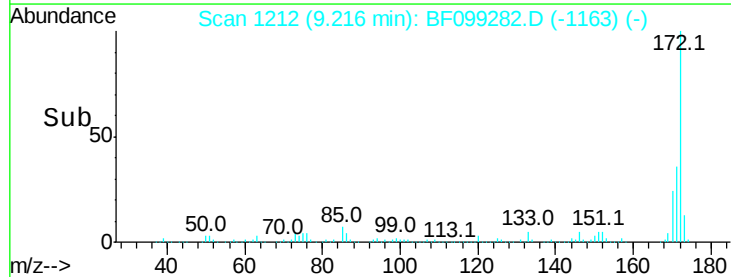
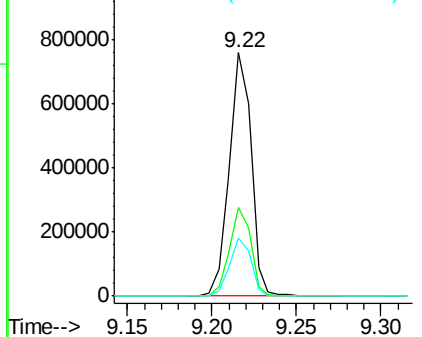


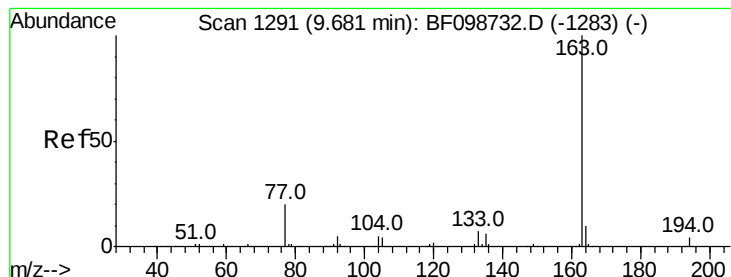
#44  
 2-Fluorobiphenyl  
 Concen: 65.080 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.01 min  
 Lab File: BF099282.D  
 Acq: 10 Oct 2017 00:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 29.7  | 44.5  |
| 170     | 24.0  | 19.6  | 29.4  |



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





#49

Dimethylphthalate

Concen: 9.345 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF099282.D

Acq: 10 Oct 2017 00:32

Instrument :

BNA\_F

ClientSampleId :

ENV-116-1(5-10)

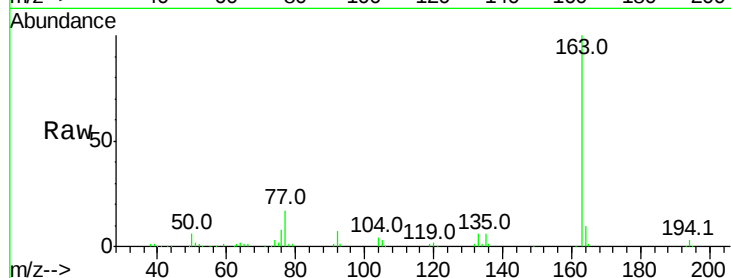
Tot Ion:163 Resp: 123933

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

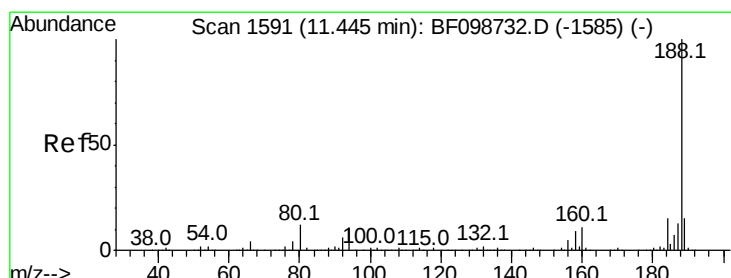
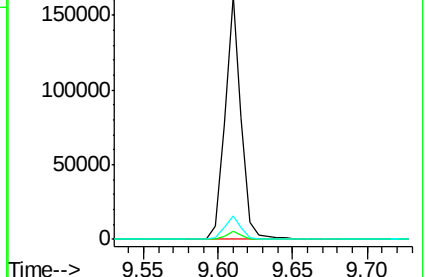
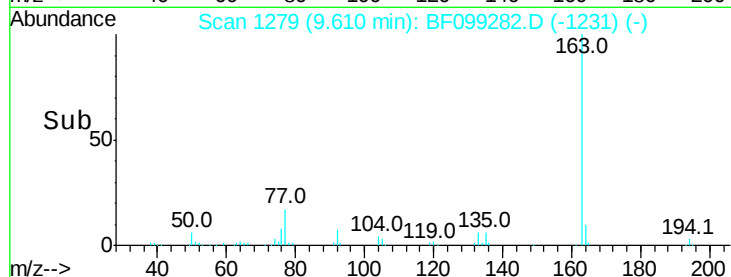
164 9.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099282.D

Acq: 10 Oct 2017 00:32

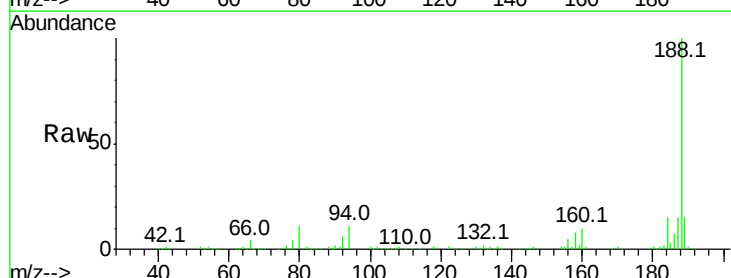
Tgt Ion:188 Resp: 270838

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

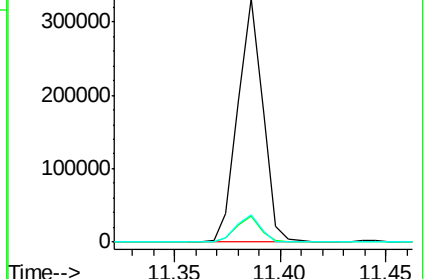
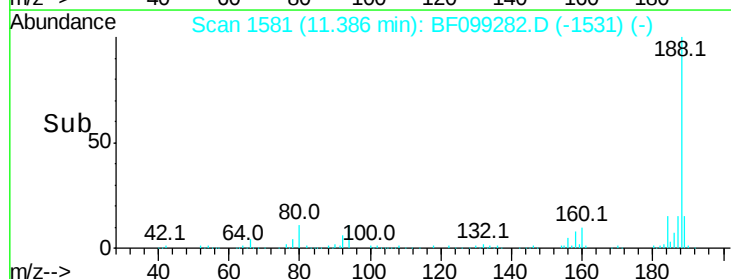
80 11.2 9.2 13.8

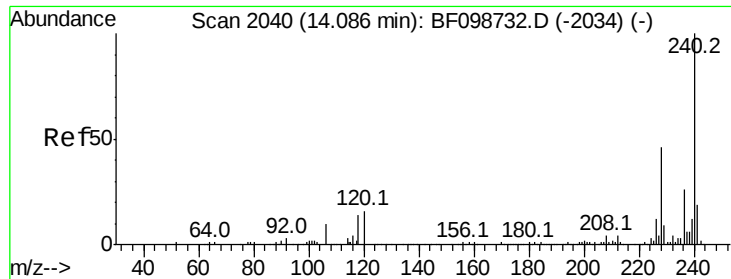


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

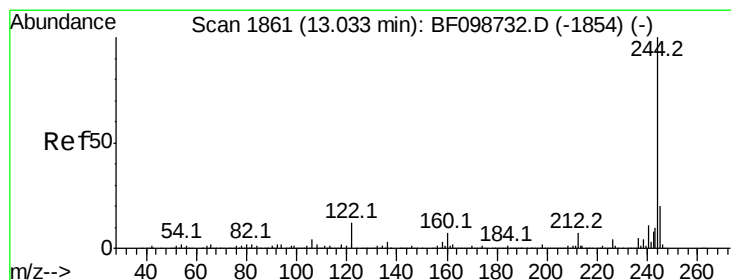
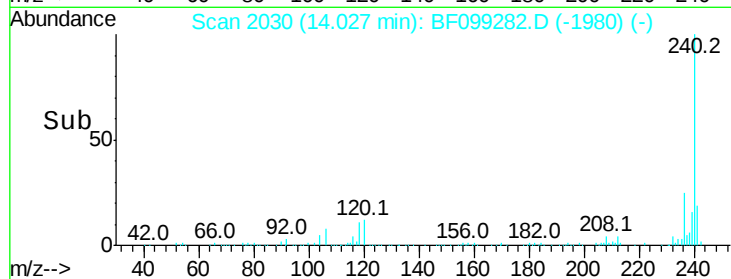
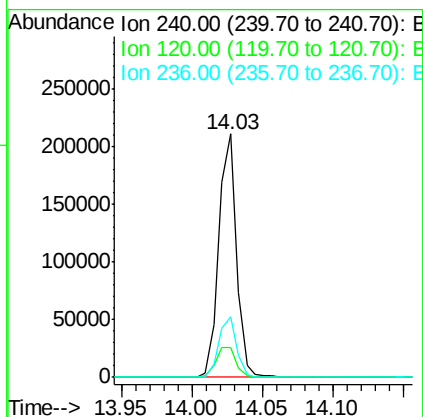
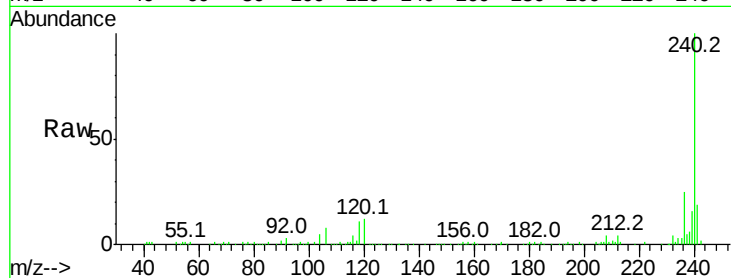




#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.03 min Scan# 2030  
 Delta R.T. -0.01 min  
 Lab File: BF099282.D  
 Acq: 10 Oct 2017 00:32

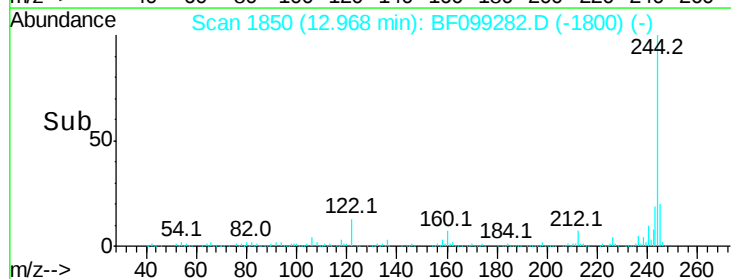
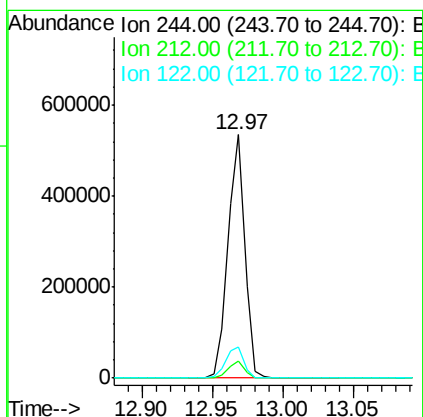
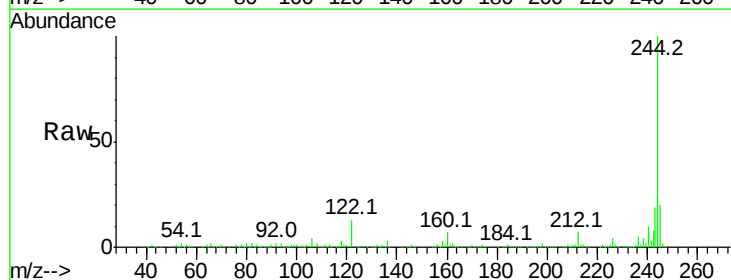
Instrument :  
 BNA\_F  
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 ENV-116-1(5-10)

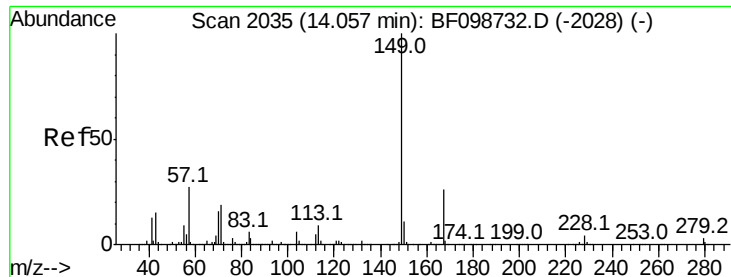
Tot Ion:240 Resp: 184945  
 Ion Ratio Lower Upper  
 240 100  
 120 12.2 9.5 14.3  
 236 25.0 20.7 31.1



#78  
 Terphenyl-d14  
 Concen: 54.670 ng  
 RT: 12.97 min Scan# 1850  
 Delta R.T. -0.01 min  
 Lab File: BF099282.D  
 Acq: 10 Oct 2017 00:32

Tgt Ion:244 Resp: 444592  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.4 8.0  
 122 12.9 11.0 16.4

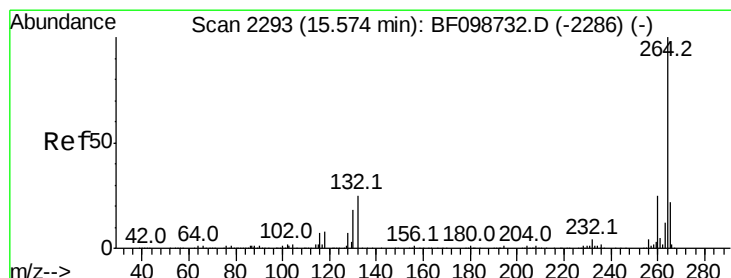
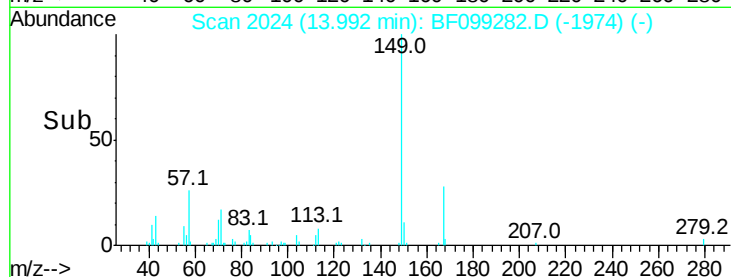
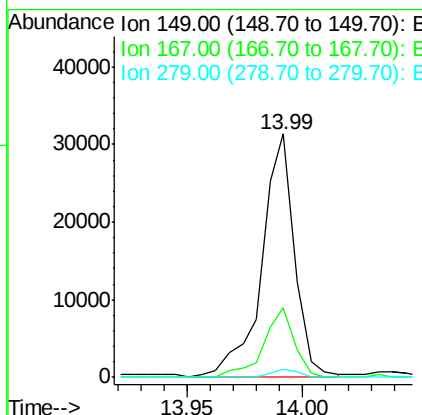
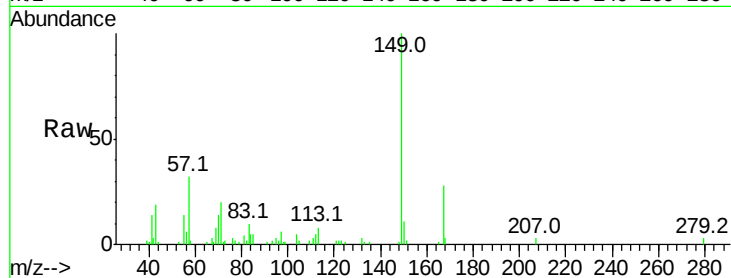




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.411 ng  
 RT: 13.99 min Scan# 2024  
 Delta R.T. -0.01 min  
 Lab File: BF099282.D  
 Acq: 10 Oct 2017 00:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-116-1(5-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.5  | 21.3  | 31.9  |
| 279     | 3.4   | 3.0   | 4.4   |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.50 min Scan# 2281  
 Delta R.T. -0.00 min  
 Lab File: BF099282.D  
 Acq: 10 Oct 2017 00:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.2  | 28.8  |
| 265     | 21.0  | 17.5  | 26.3  |

