

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111517\  
 Data File : BF100593.D  
 Acq On : 15 Nov 2017 17:32  
 Operator : SJ/JU  
 Sample : I6448-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-120-2(25-27)

Quant Time: Nov 16 04:20:38 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 15 13:27:38 2017  
 Response via : Initial Calibration

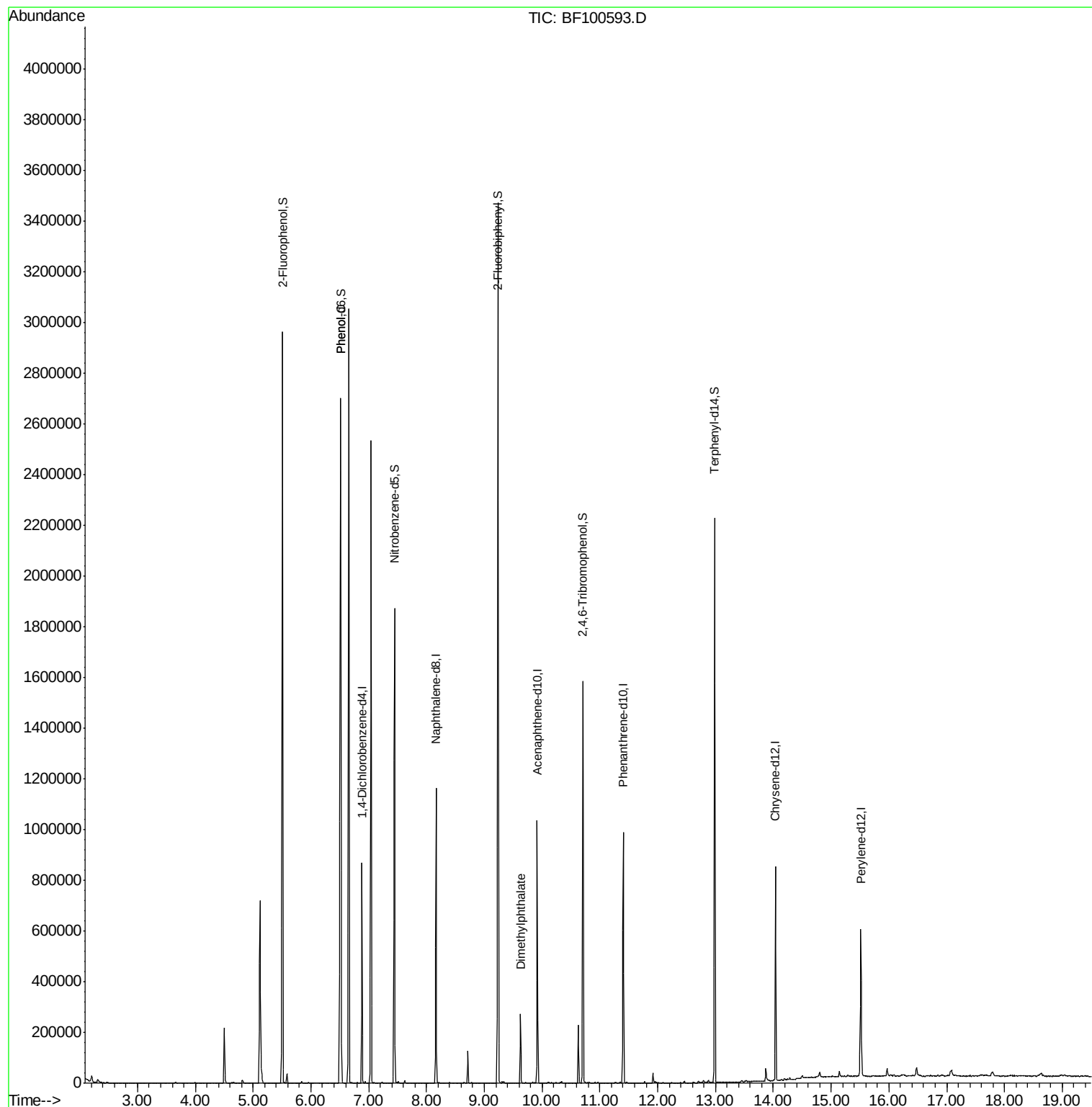
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.88  | 152  | 130351   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.16  | 136  | 500905   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.92  | 164  | 207846   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.40 | 188  | 319701   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.04 | 240  | 273717   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.52 | 264  | 265540   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 939796   | 115.57 | ng    | 0.01     |
| 7) Phenol-d6                | 6.52  | 99   | 1121934  | 111.89 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 709012   | 93.58  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.71 | 330  | 225483   | 106.46 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.24  | 172  | 1182595  | 86.64  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.99 | 244  | 754003   | 63.29  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.52  | 94   | 63361    | 6.019  | ng    | 90       |
| 49) Dimethylphthalate       | 9.63  | 163  | 97819    | 6.164  | ng    | 99       |

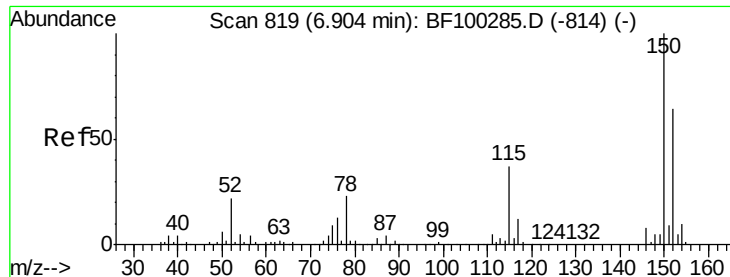
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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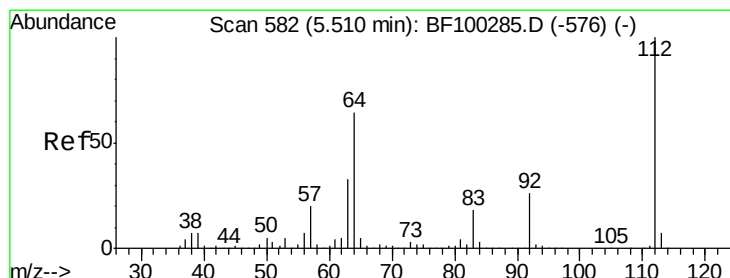
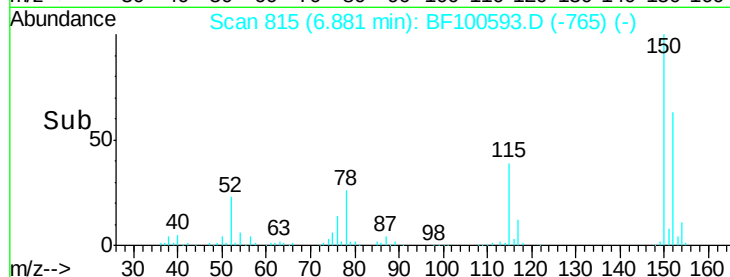
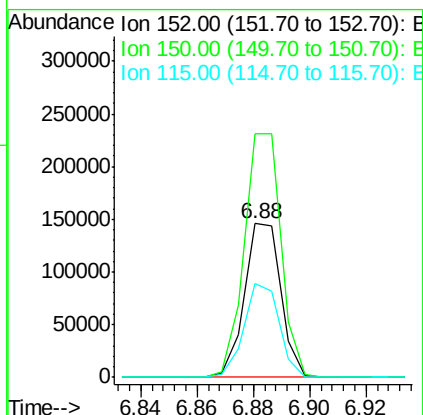
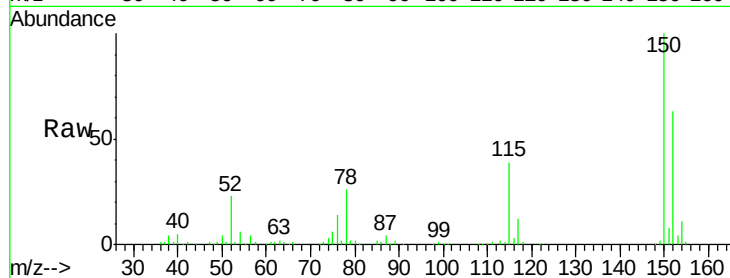


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.88 min Scan# 815  
Delta R.T. -0.01 min  
Lab File: BF100593.D  
Acq: 15 Nov 2017 17:32

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-120-2(25-27)

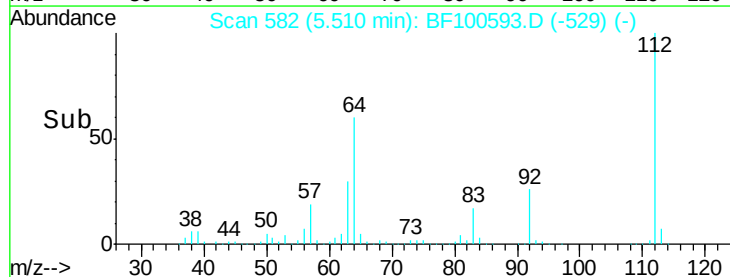
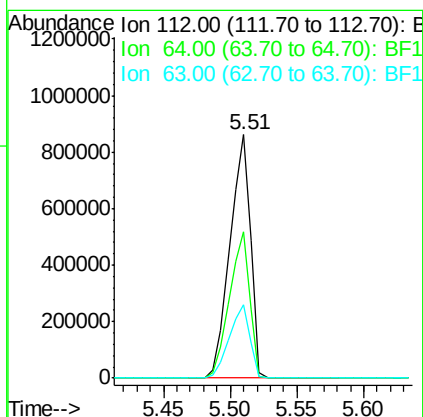
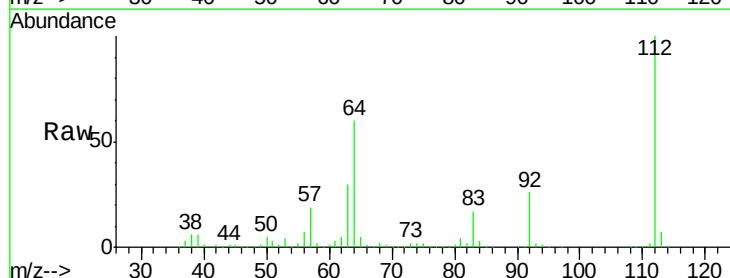
Tgt Ion:152 Resp: 130351  
Ion Ratio Lower Upper  
152 100  
150 158.7 124.6 186.8  
115 61.5 50.1 75.1

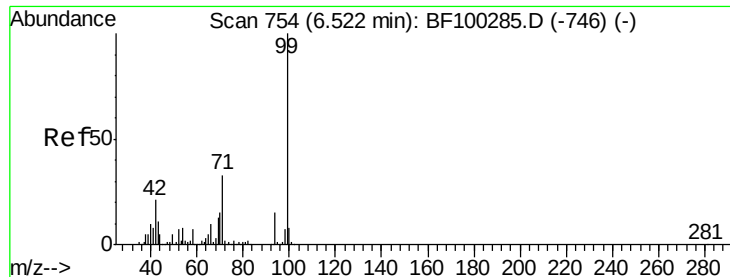


#5

2-Fluorophenol  
Concen: 115.571 ng  
RT: 5.51 min Scan# 582  
Delta R.T. 0.01 min  
Lab File: BF100593.D  
Acq: 15 Nov 2017 17:32

Tgt Ion:112 Resp: 939796  
Ion Ratio Lower Upper  
112 100  
64 60.1 47.9 71.9  
63 30.3 23.7 35.5





#7

Phenol-d6

Concen: 111.885 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF100593.D

Acq: 15 Nov 2017 17:32

Instrument :

BNA\_F

ClientSampleId :

EPE-120-2(25-27)

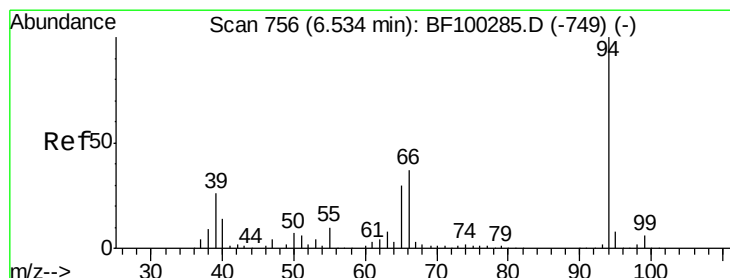
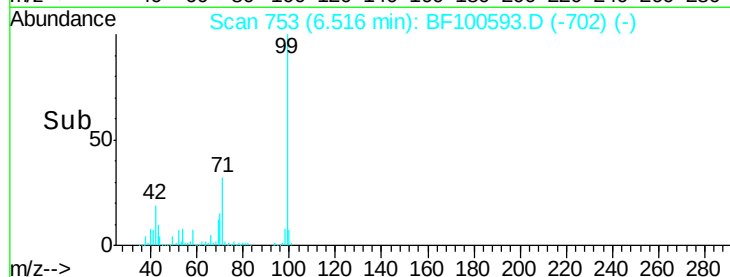
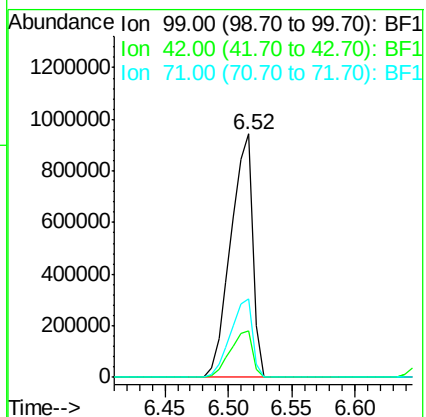
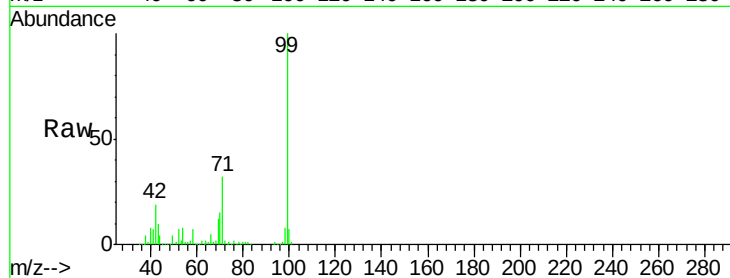
Tgt Ion: 99 Resp: 1121934

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

71 32.2 25.4 38.0



#10

Phenol

Concen: 6.019 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF100593.D

Acq: 15 Nov 2017 17:32

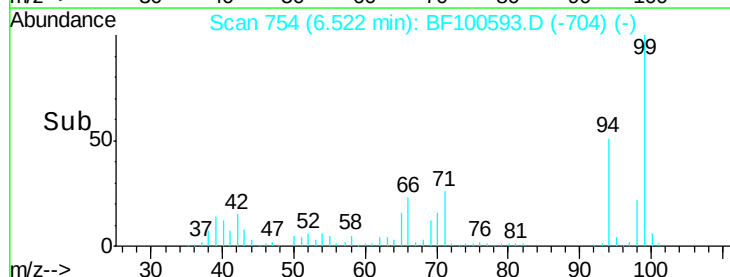
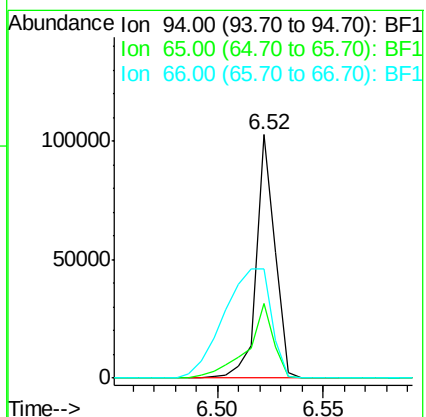
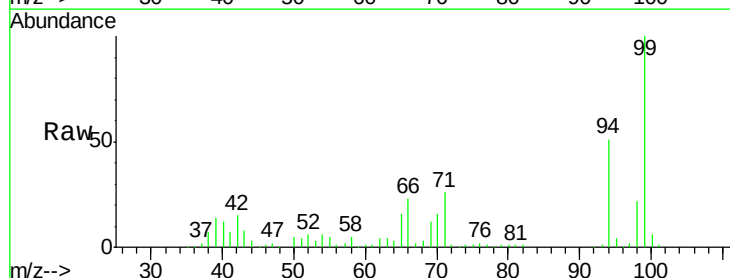
Tgt Ion: 94 Resp: 63361

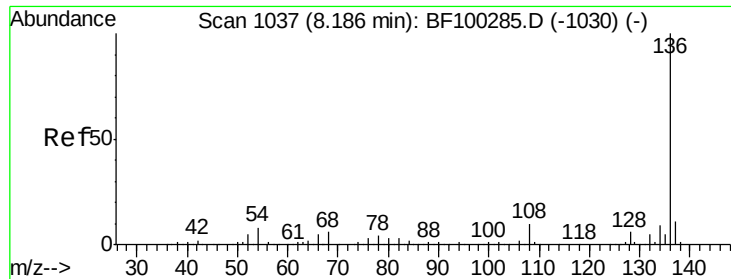
Ion Ratio Lower Upper

94 100

65 30.6 7.9 47.9

66 44.6 16.2 56.2

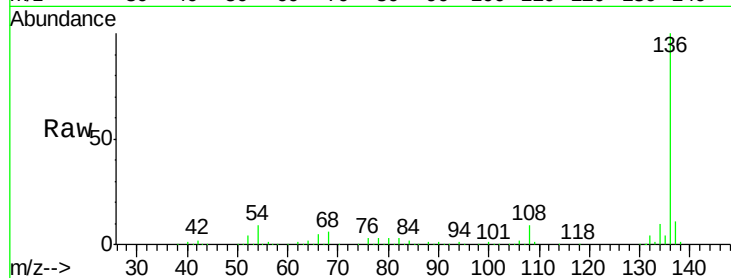




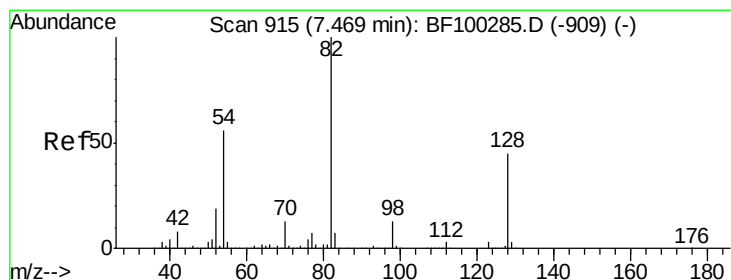
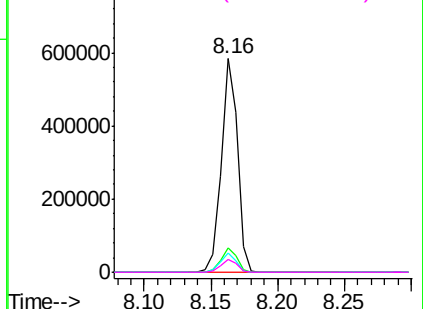
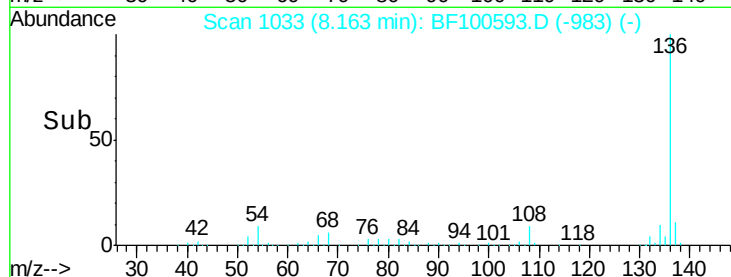
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.16 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: BF100593.D  
Acq: 15 Nov 2017 17:32

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-120-2(25-27)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 500905 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.5  | 8.9   | 13.3   |
| 54       | 8.8   | 6.6   | 9.8    |
| 68       | 6.2   | 5.0   | 7.4    |

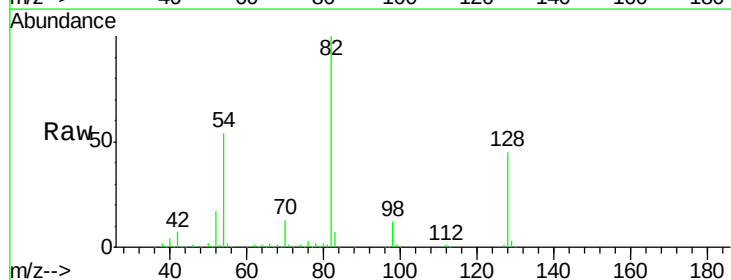


Abundance Ion 136.00 (135.70 to 136.70): BF1  
Ion 137.00 (136.70 to 137.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

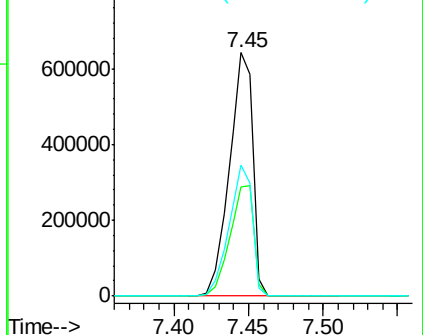
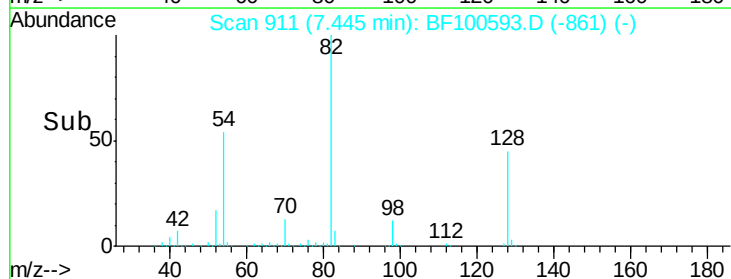


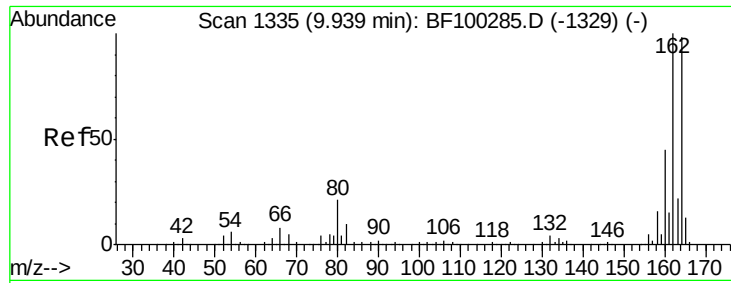
#23  
Nitrobenzene-d5  
Concen: 93.581 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF100593.D  
Acq: 15 Nov 2017 17:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 709012 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.8  | 36.1  | 54.1   |
| 54       | 53.8  | 41.4  | 62.2   |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

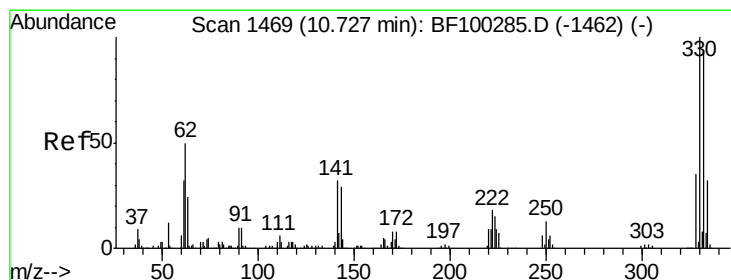
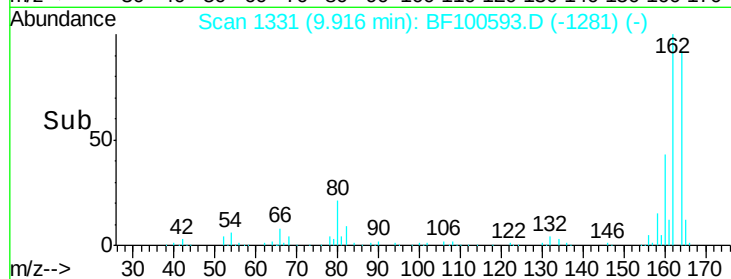
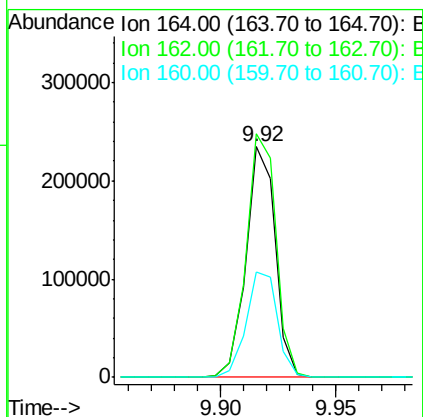
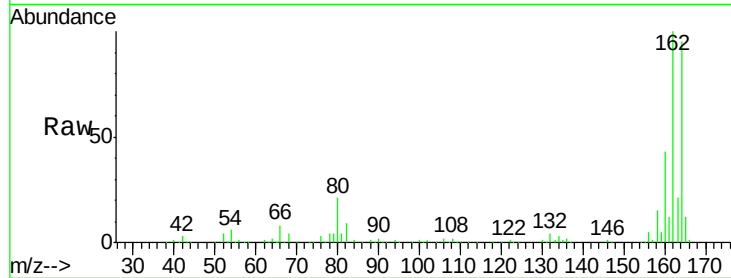




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. -0.01 min  
 Lab File: BF100593.D  
 Acq: 15 Nov 2017 17:32

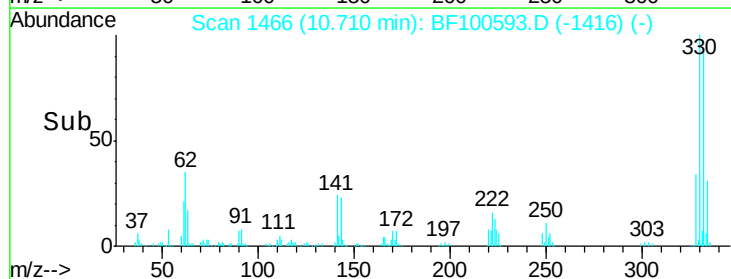
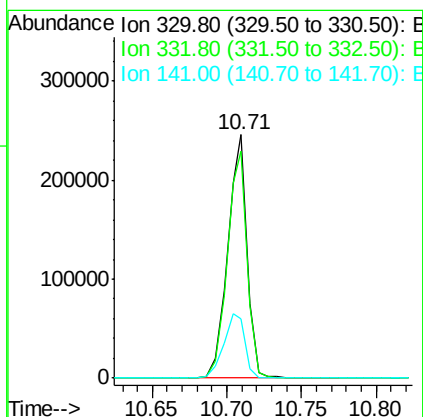
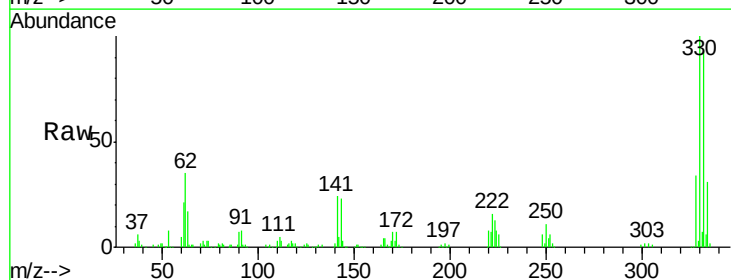
Instrument :  
 BNA\_F  
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 EPE-120-2(25-27)

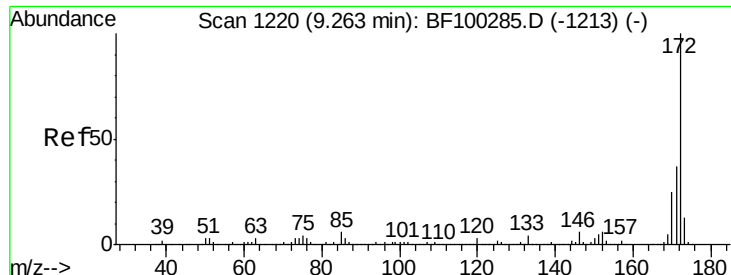
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.6 | 86.1  | 129.1 |
| 160     | 45.7  | 38.3  | 57.5  |



#41  
 2,4,6-Tribromophenol  
 Concen: 106.463 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.01 min  
 Lab File: BF100593.D  
 Acq: 15 Nov 2017 17:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 77.0  | 115.6 |
| 141     | 28.9  | 29.9  | 44.9# |

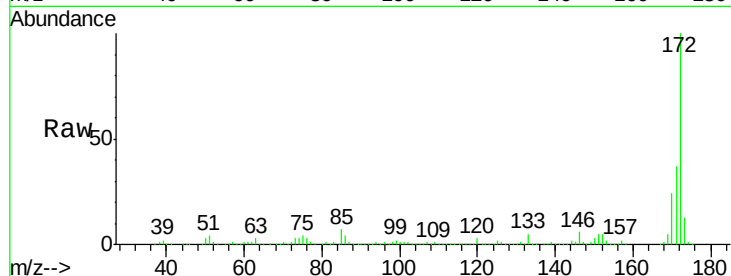




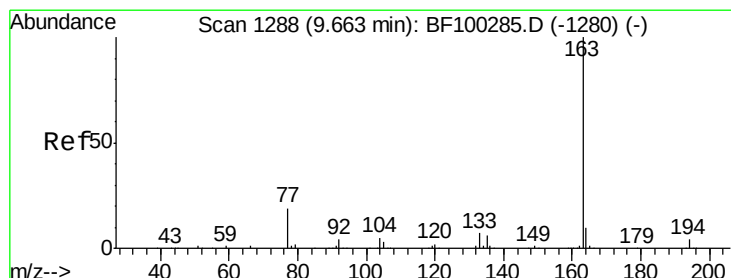
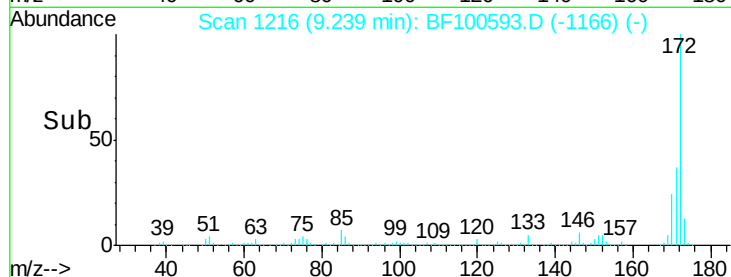
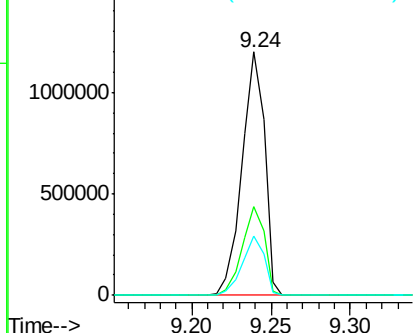
#44  
 2-Fluorobiphenyl  
 Concen: 86.639 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: BF100593.D  
 Acq: 15 Nov 2017 17:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-120-2(25-27)

Tgt Ion:172 Resp: 1182595  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.7 44.5  
 170 24.3 19.6 29.4

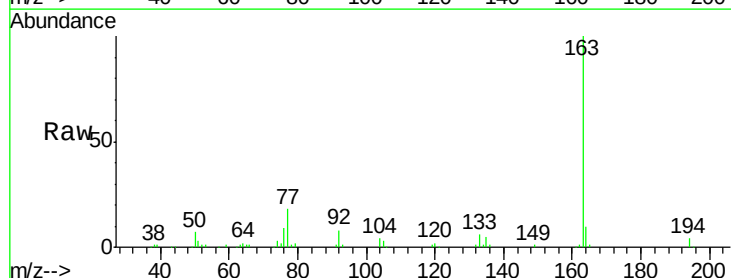


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

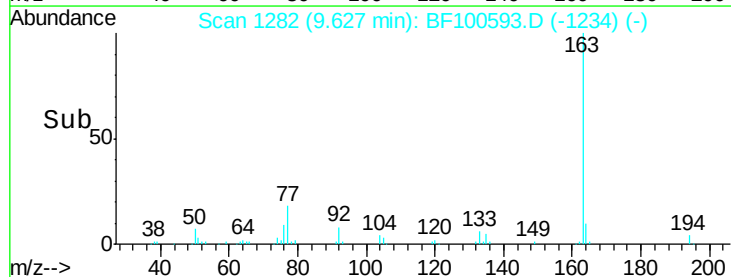
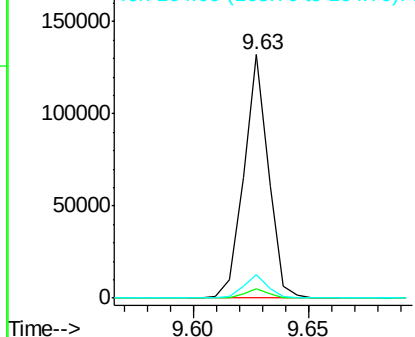


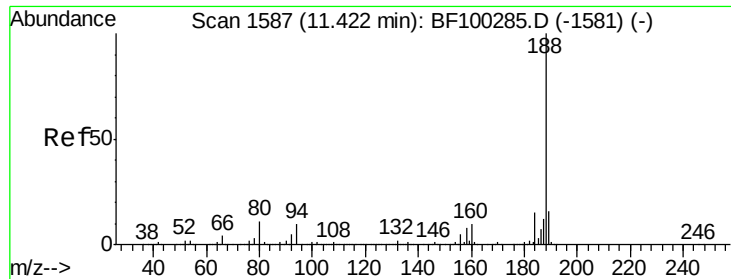
#49  
 Dimethylphthalate  
 Concen: 6.164 ng  
 RT: 9.63 min Scan# 1282  
 Delta R.T. -0.02 min  
 Lab File: BF100593.D  
 Acq: 15 Nov 2017 17:32

Tgt Ion:163 Resp: 97819  
 Ion Ratio Lower Upper  
 163 100  
 194 4.0 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

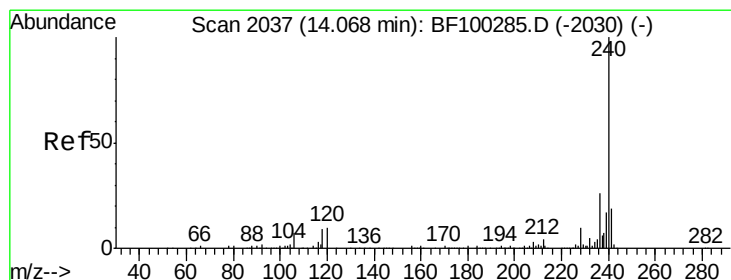
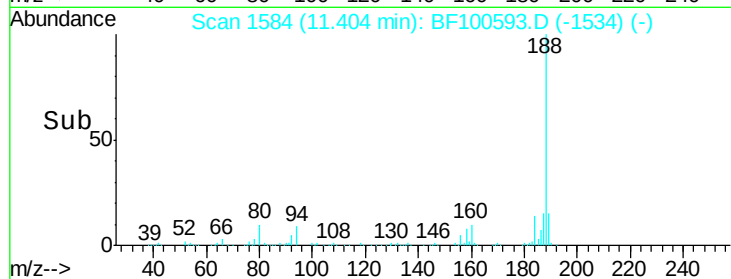
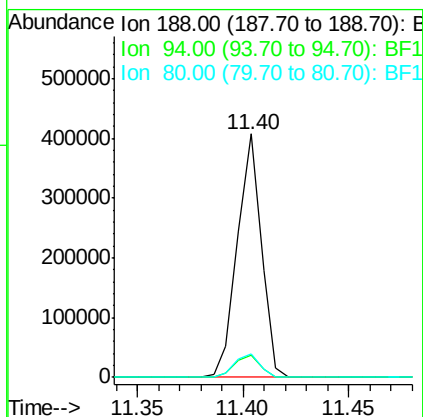
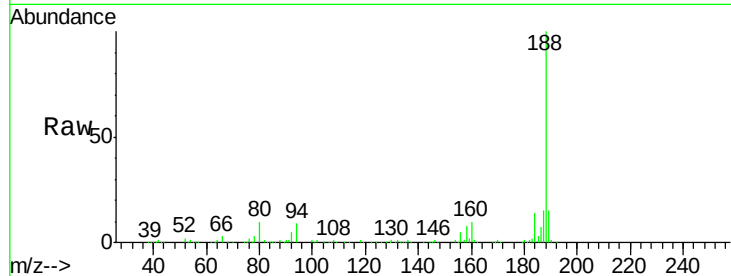




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. -0.01 min  
Lab File: BF100593.D  
Acq: 15 Nov 2017 17:32

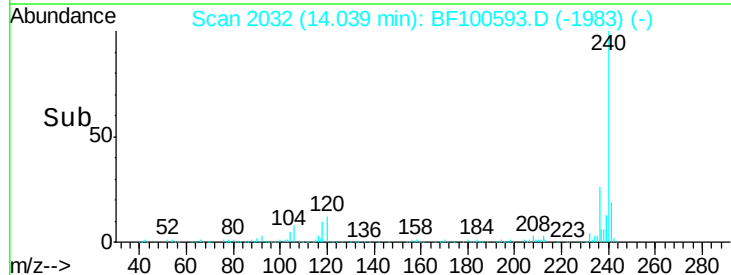
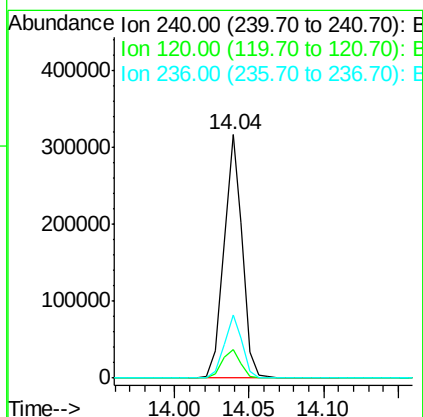
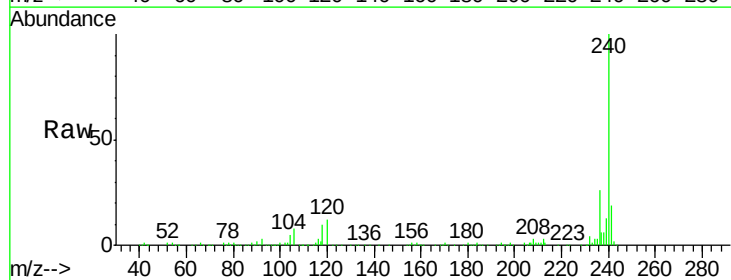
Instrument :  
BNA\_F  
ClientSampleId :  
EPE-120-2(25-27)

Tgt Ion:188 Resp: 319701  
Ion Ratio Lower Upper  
188 100  
94 9.3 8.5 12.7  
80 9.9 9.2 13.8

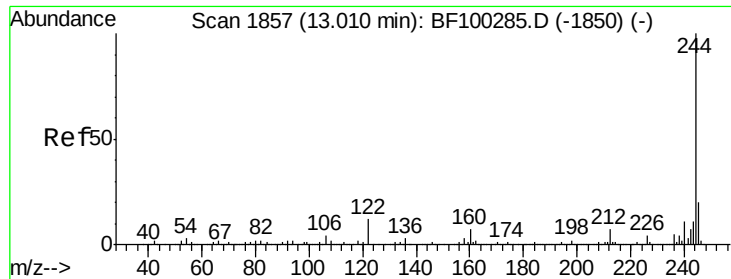


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.04 min Scan# 2032  
Delta R.T. -0.01 min  
Lab File: BF100593.D  
Acq: 15 Nov 2017 17:32

Tgt Ion:240 Resp: 273717  
Ion Ratio Lower Upper  
240 100  
120 12.0 9.5 14.3  
236 25.8 20.7 31.1



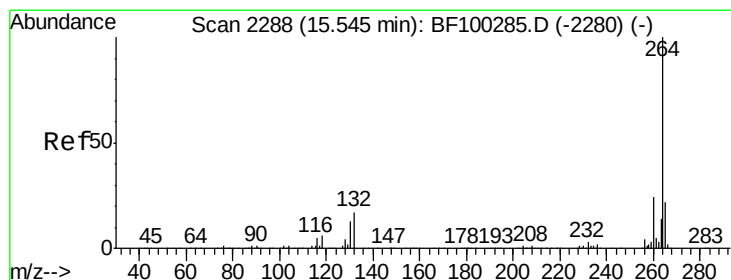
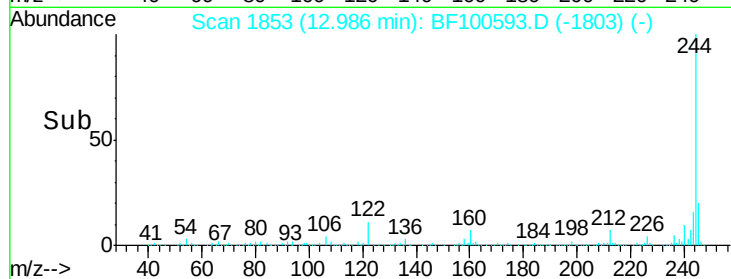
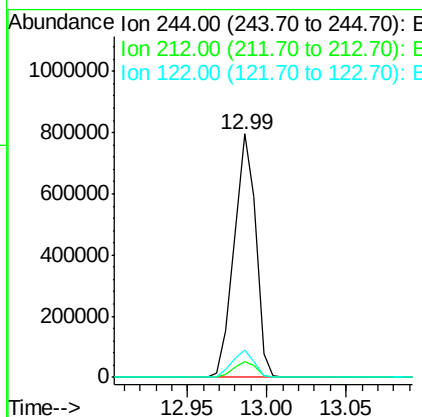
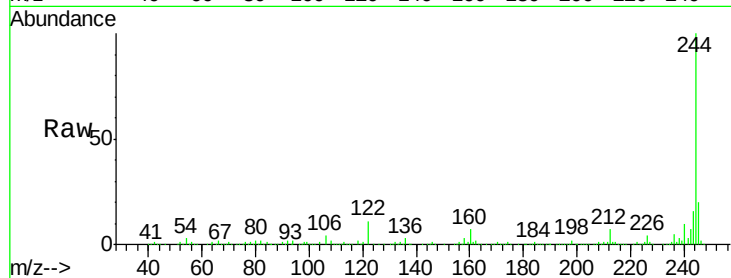




#78  
 Terphenyl-d14  
 Concen: 63.295 ng  
 RT: 12.99 min Scan# 1853  
 Delta R.T. -0.01 min  
 Lab File: BF100593.D  
 Acq: 15 Nov 2017 17:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-120-2(25-27)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.7   | 5.4   | 8.0   |
| 122     | 11.4  | 11.0  | 16.4  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.52 min Scan# 2283  
 Delta R.T. -0.01 min  
 Lab File: BF100593.D  
 Acq: 15 Nov 2017 17:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.2  | 28.8  |
| 265     | 20.2  | 17.5  | 26.3  |

