

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\  
 Data File : BF099800.D  
 Acq On : 24 Oct 2017 20:53  
 Operator : SJ/JU  
 Sample : I5956-03  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-120-1(0-5)

Quant Time: Oct 25 08:34:40 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 23 23:39:26 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 85861    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 336673   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.84  | 164  | 143100   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.33 | 188  | 210038   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.98 | 240  | 153720   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.45 | 264  | 154467   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 368216   | 67.33 | ng    | 0.00     |
| 7) Phenol-d6                | 6.45  | 99   | 435269   | 67.12 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 246352   | 47.11 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.63 | 330  | 71914    | 55.14 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.16  | 172  | 513596   | 55.37 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.92 | 244  | 326502   | 46.42 | ng    | 0.00     |

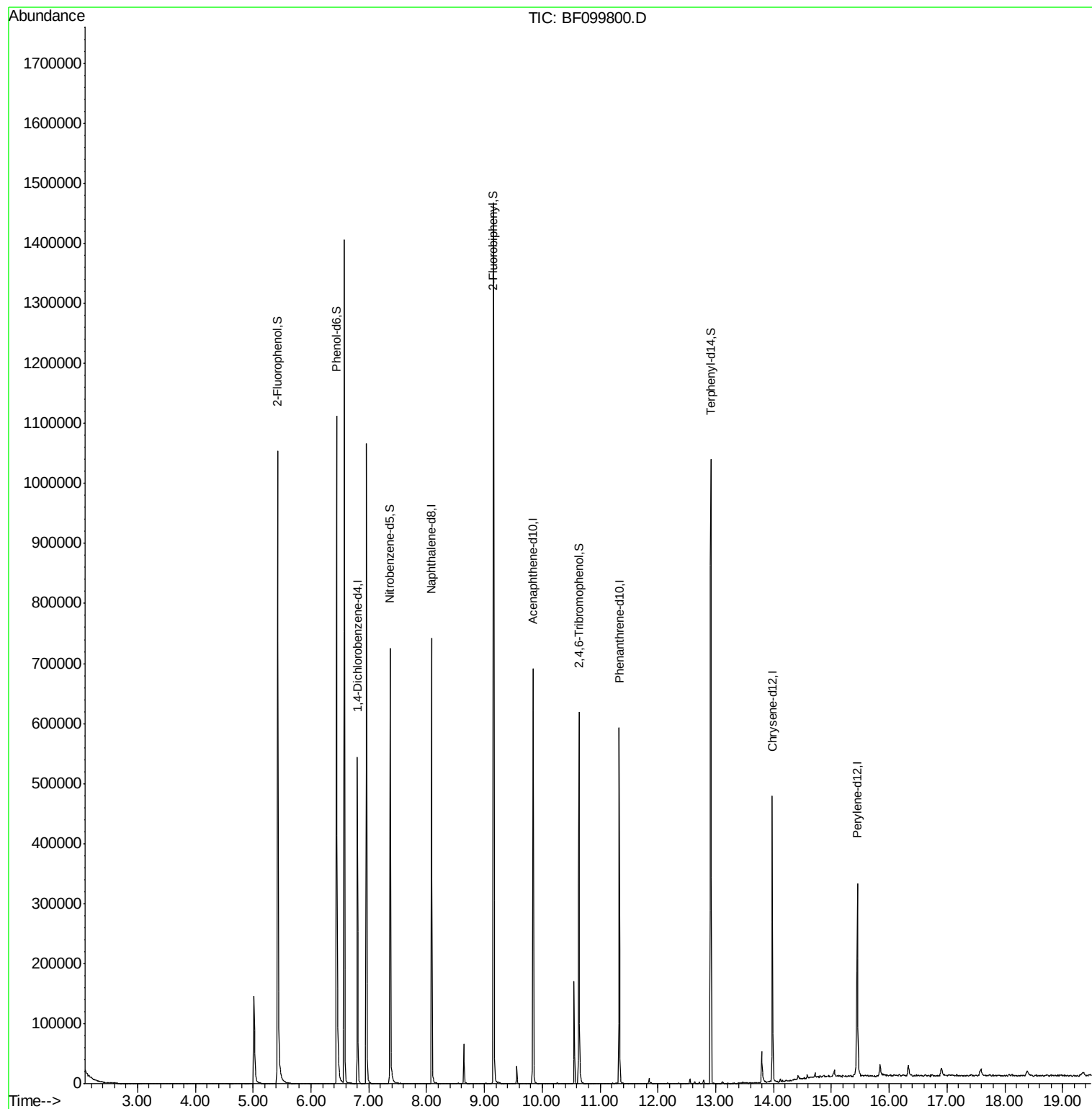
Target Compounds Qvalue

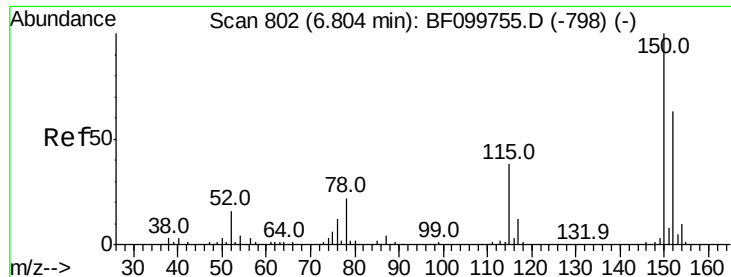
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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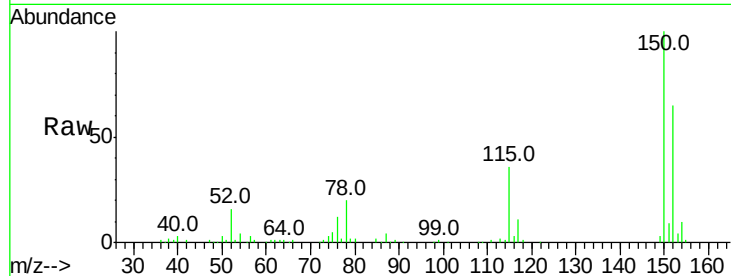


#1

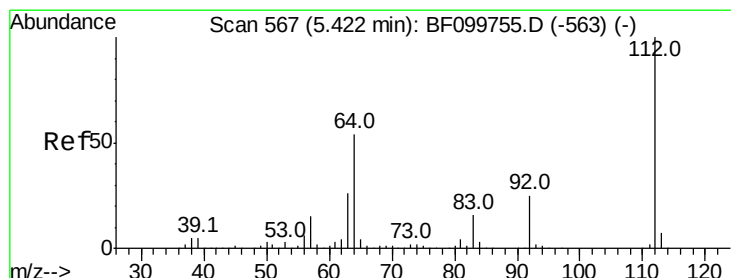
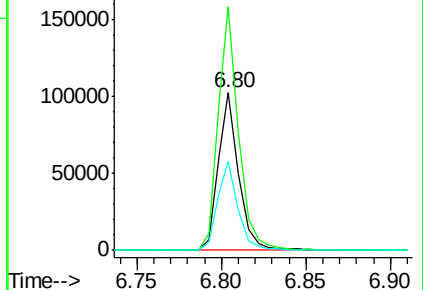
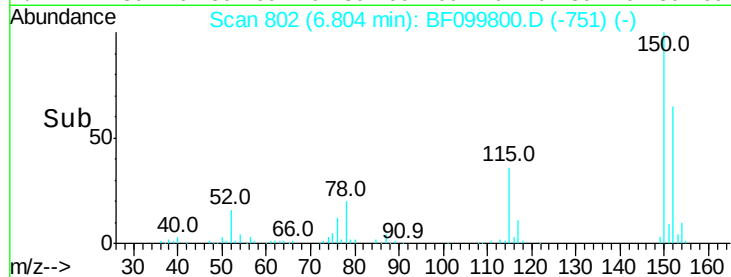
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. -0.00 min  
Lab File: BF099800.D  
Acq: 24 Oct 2017 20:53

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-120-1(0-5)

Tot Ion:152 Resp: 85861  
Ion Ratio Lower Upper  
152 100  
150 154.8 124.6 186.8  
115 56.4 50.1 75.1



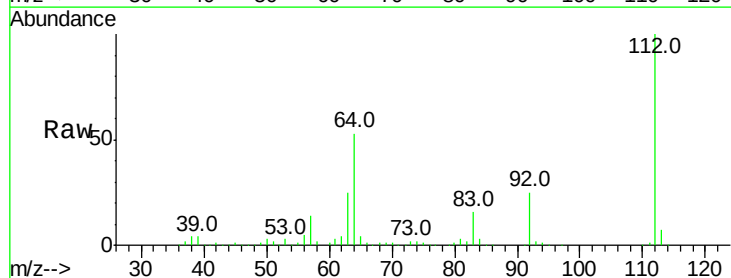
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



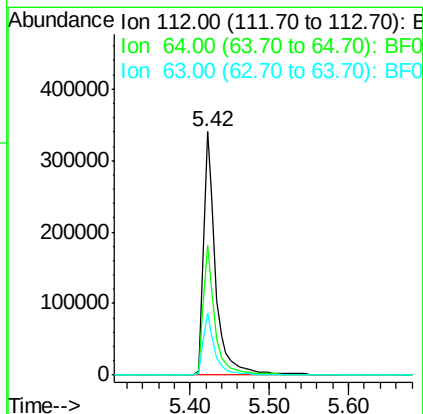
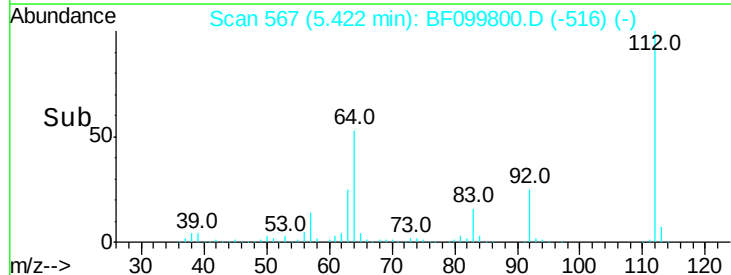
#5

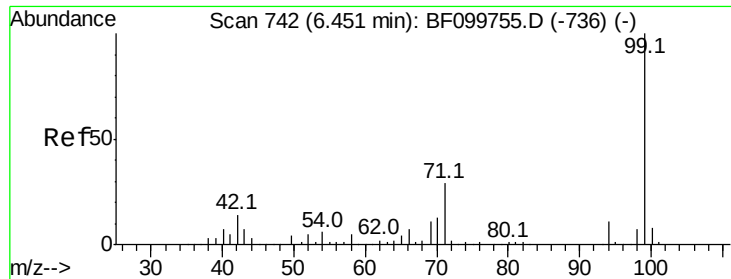
2-Fluorophenol  
Concen: 67.328 ng  
RT: 5.42 min Scan# 567  
Delta R.T. -0.00 min  
Lab File: BF099800.D  
Acq: 24 Oct 2017 20:53

Tgt Ion:112 Resp: 368216  
Ion Ratio Lower Upper  
112 100  
64 53.1 47.9 71.9  
63 25.4 23.7 35.5



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: 67.123 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099800.D

Acq: 24 Oct 2017 20:53

Instrument :

BNA\_F

ClientSampleId :

EPE-120-1(0-5)

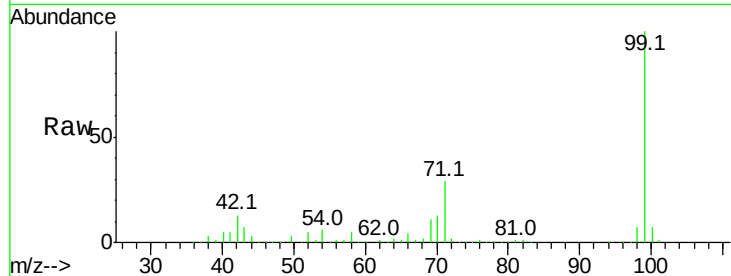
Tot Ion: 99 Resp: 435269

Ion Ratio Lower Upper

99 100

42 13.2 14.5 21.7#

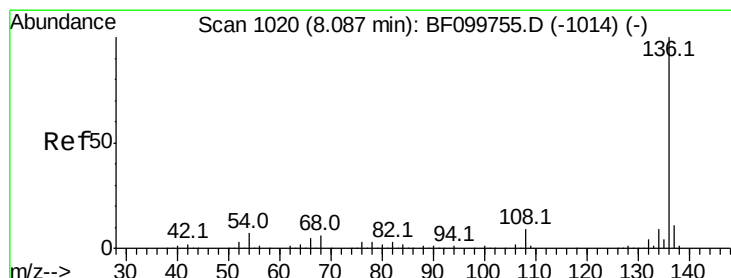
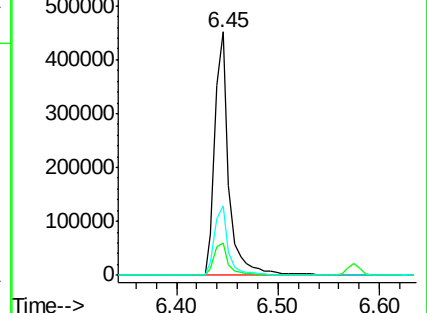
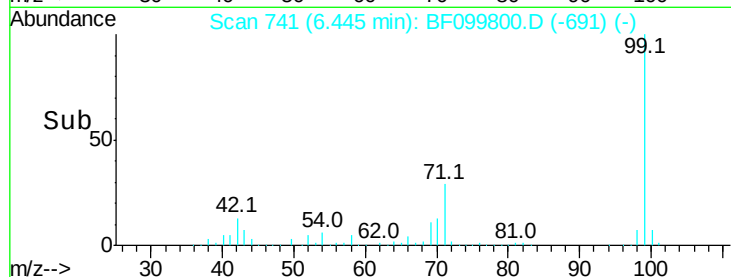
71 28.7 25.4 38.0



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: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF099800.D

Acq: 24 Oct 2017 20:53

Tgt Ion:136 Resp: 336673

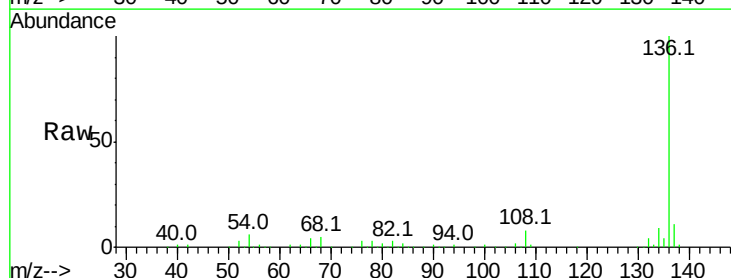
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 6.1 6.6 9.8#

68 5.4 5.0 7.4

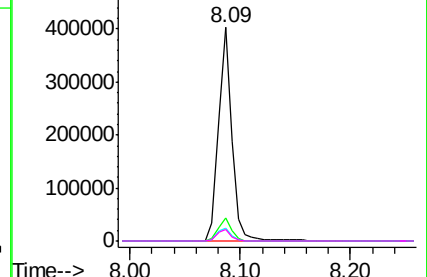
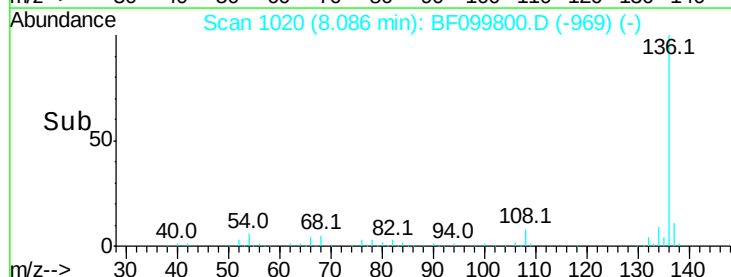


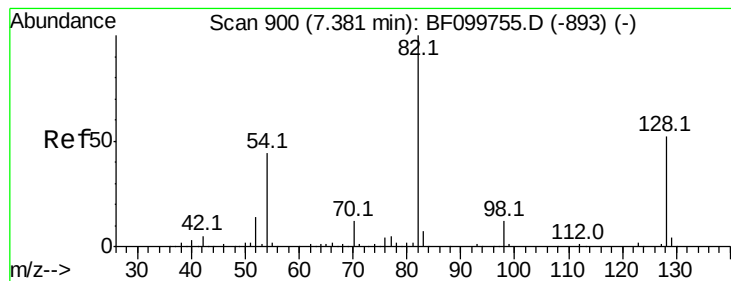
Abundance Ion 136.00 (135.70 to 136.70): E

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: 47.109 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF099800.D

Acq: 24 Oct 2017 20:53

Instrument :

BNA\_F

ClientSampleId :

EPE-120-1(0-5)

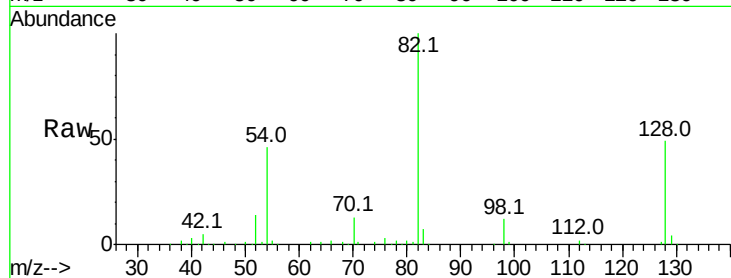
Tot Ion: 82 Resp: 246352

Ion Ratio Lower Upper

82 100

128 48.7 36.1 54.1

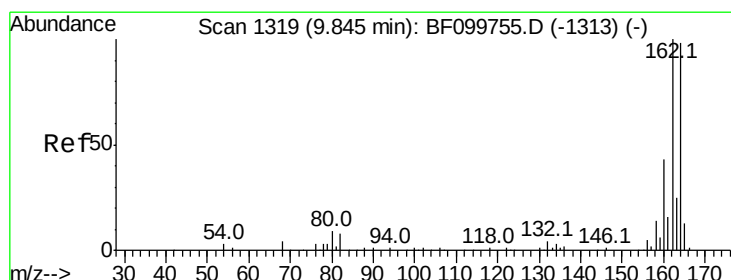
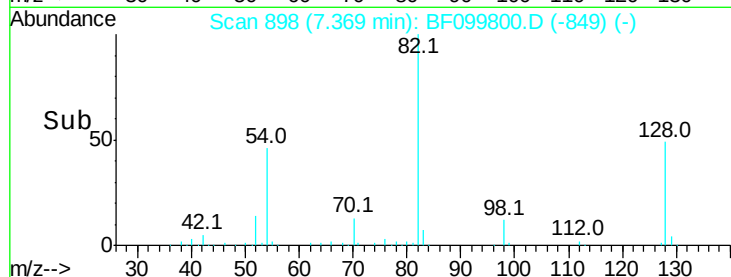
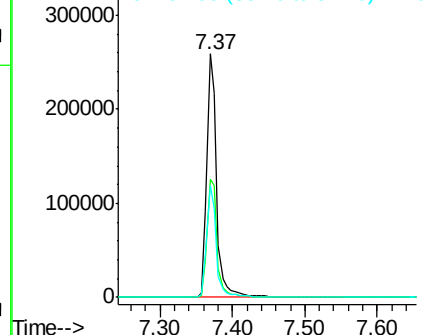
54 45.9 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF099800.D

Acq: 24 Oct 2017 20:53

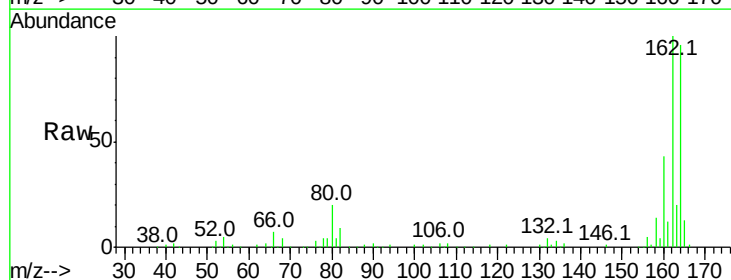
Tgt Ion:164 Resp: 143100

Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

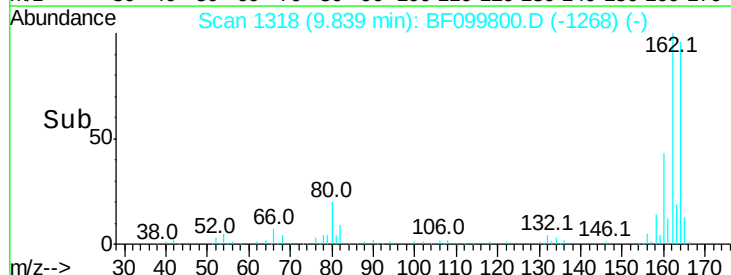
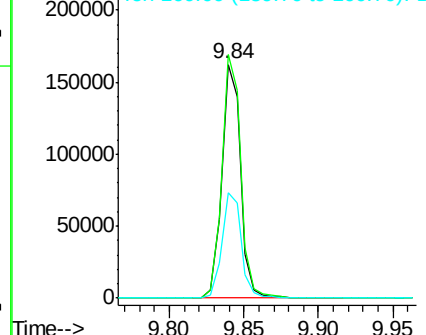
160 45.3 38.3 57.5

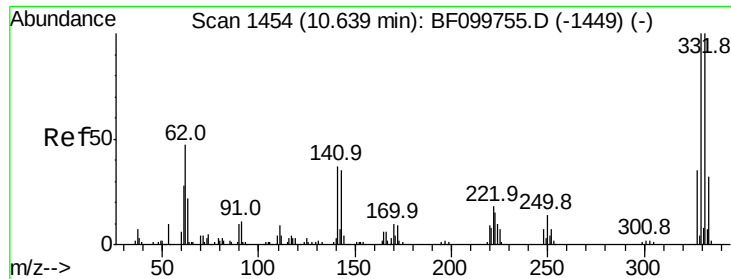


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

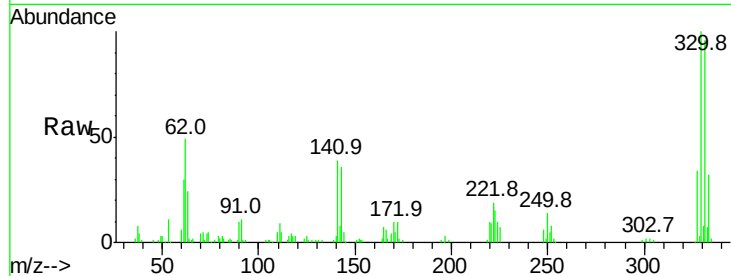




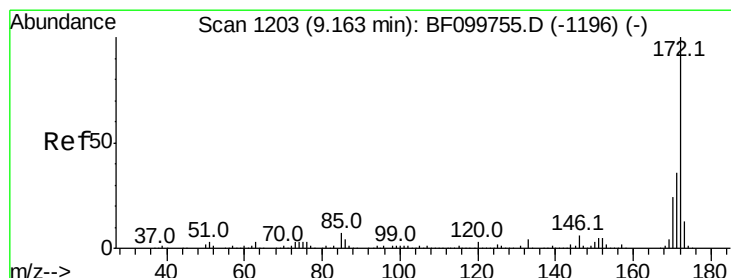
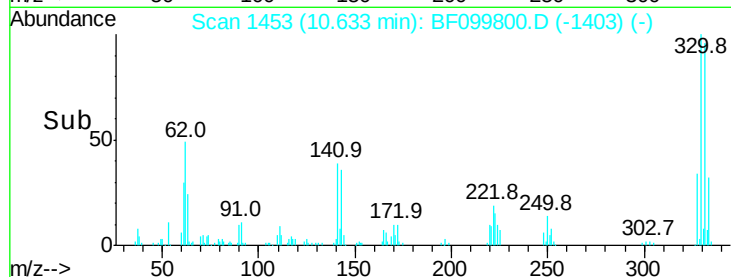
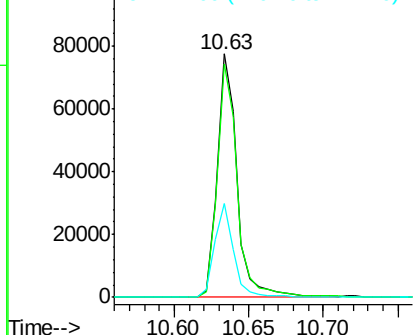
#41  
 2,4,6-Tribromophenol  
 Concen: 55.145 ng  
 RT: 10.63 min Scan# 1453  
 Delta R.T. -0.01 min  
 Lab File: BF099800.D  
 Acq: 24 Oct 2017 20:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-120-1(0-5)

Tot Ion:330 Resp: 71914  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.0 115.6  
 141 37.0 29.9 44.9

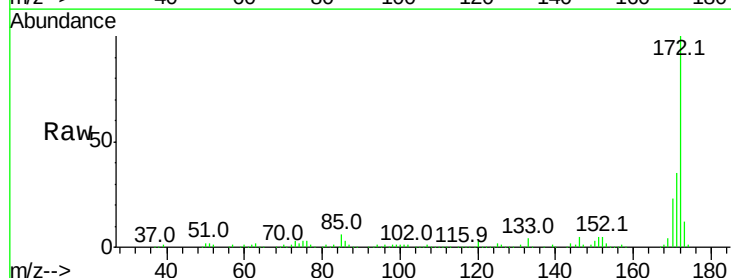


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

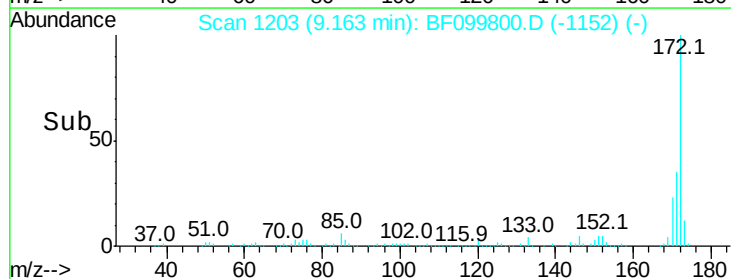
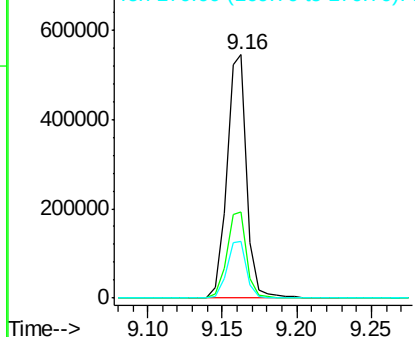


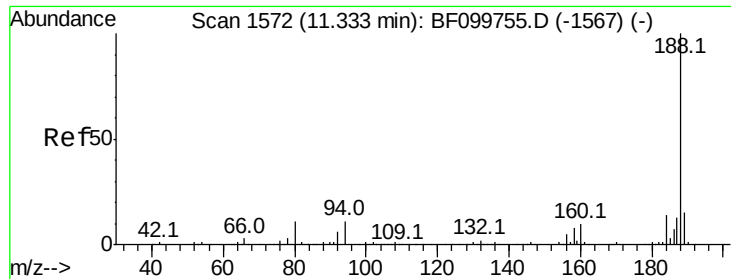
#44  
 2-Fluorobiphenyl  
 Concen: 55.374 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. 0.00 min  
 Lab File: BF099800.D  
 Acq: 24 Oct 2017 20:53

Tgt Ion:172 Resp: 513596  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 29.7 44.5  
 170 23.1 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

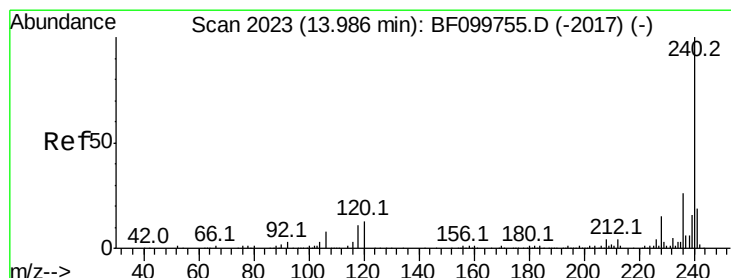
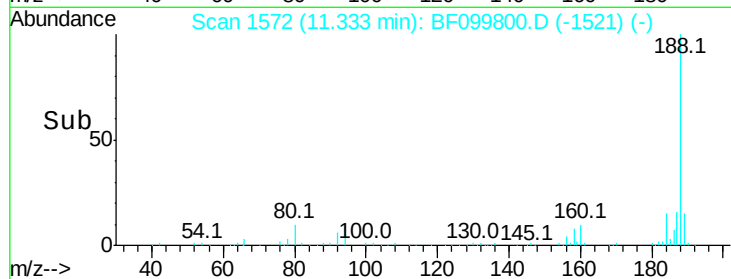
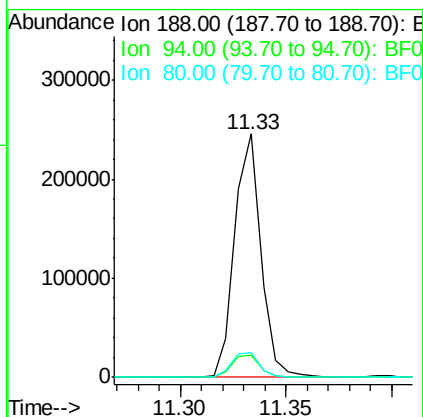
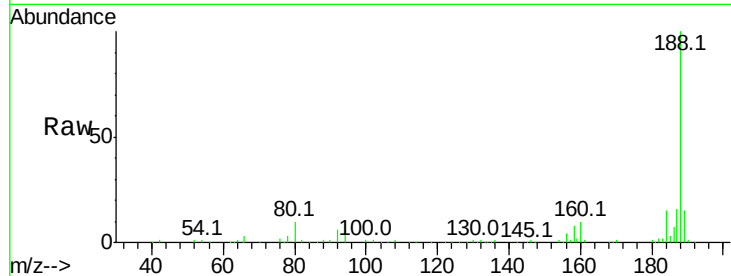




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.33 min Scan# 1572  
 Delta R.T. -0.00 min  
 Lab File: BF099800.D  
 Acq: 24 Oct 2017 20:53

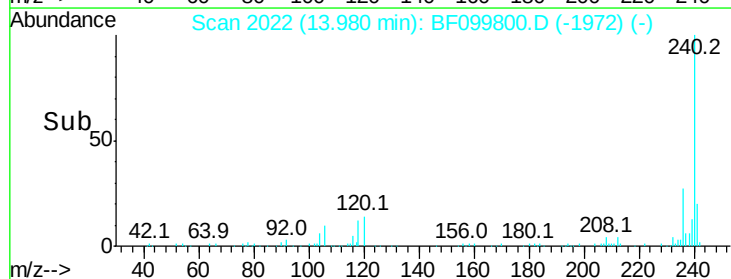
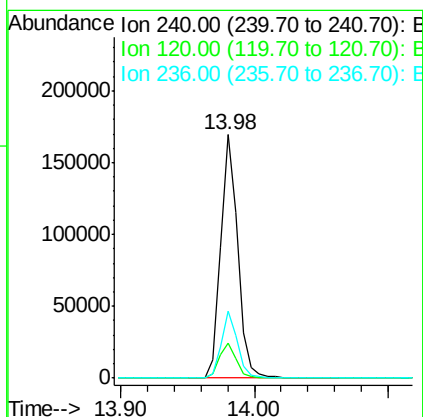
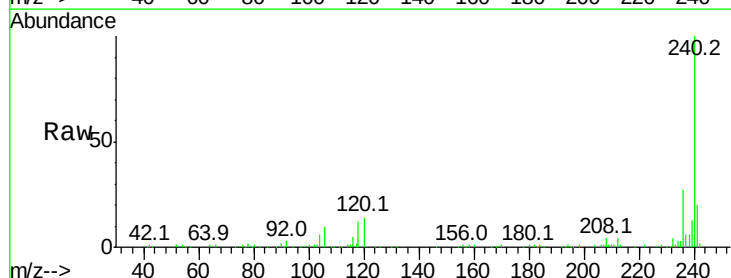
Instrument :  
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 EPE-120-1(0-5)

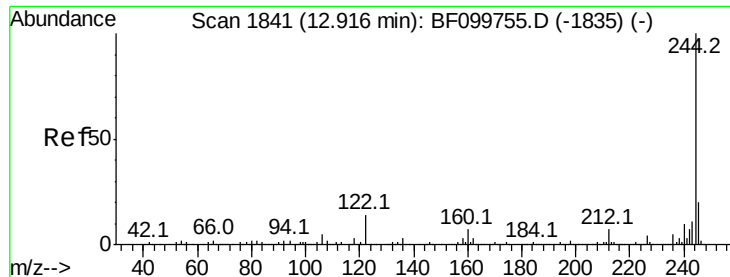
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.0   | 8.5   | 12.7  |
| 80      | 10.0  | 9.2   | 13.8  |



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.98 min Scan# 2022  
 Delta R.T. -0.01 min  
 Lab File: BF099800.D  
 Acq: 24 Oct 2017 20:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.3  | 9.5   | 14.3# |
| 236     | 27.3  | 20.7  | 31.1  |

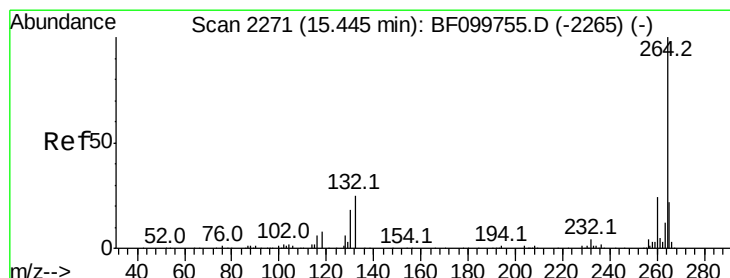
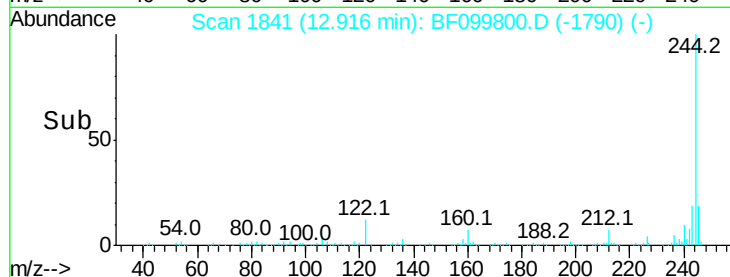
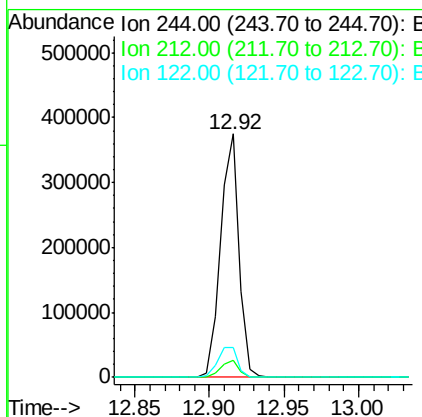
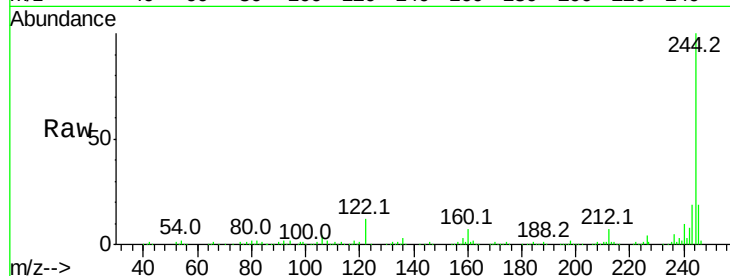




#78  
 Terphenyl-d14  
 Concen: 46.417 ng  
 RT: 12.92 min Scan# 1841  
 Delta R.T. -0.00 min  
 Lab File: BF099800.D  
 Acq: 24 Oct 2017 20:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-120-1(0-5)

Tot Ion:244 Resp: 326502  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.4 8.0  
 122 12.4 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.45 min Scan# 2272  
 Delta R.T. 0.01 min  
 Lab File: BF099800.D  
 Acq: 24 Oct 2017 20:53

Tgt Ion:264 Resp: 154467  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.2 28.8  
 265 21.4 17.5 26.3

