

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\  
 Data File : BF099106.D  
 Acq On : 5 Oct 2017 16:34  
 Operator : SJ/JU  
 Sample : I5610-27  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 2A-(1-2)-COMP-(0-5)

Quant Time: Oct 05 17:36:52 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  | 126936   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.15  | 136  | 525002   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.90  | 164  | 240249   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.39 | 188  | 428192   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.03 | 240  | 317105   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.50 | 264  | 230658   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.50  | 112  | 895374   | 112.29 | ng    | 0.02     |
| 7) Phenol-d6                | 6.50  | 99   | 918965   | 93.42  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 762634   | 93.16  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 260698   | 132.61 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 1309911  | 91.02  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.97 | 244  | 1184738  | 84.97  | ng    | 0.00     |

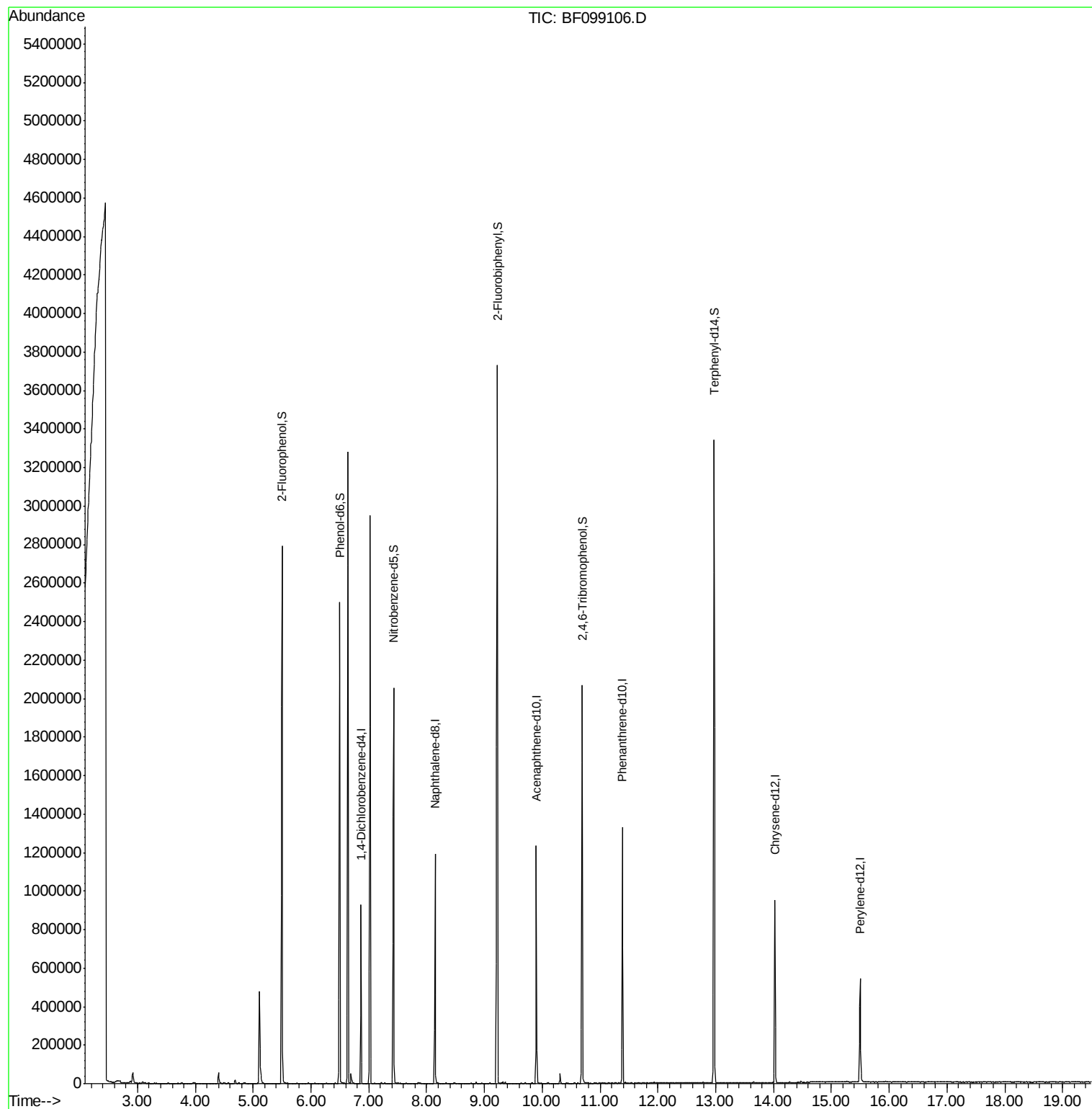
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

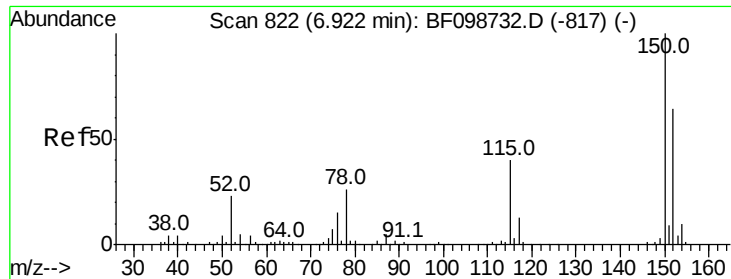
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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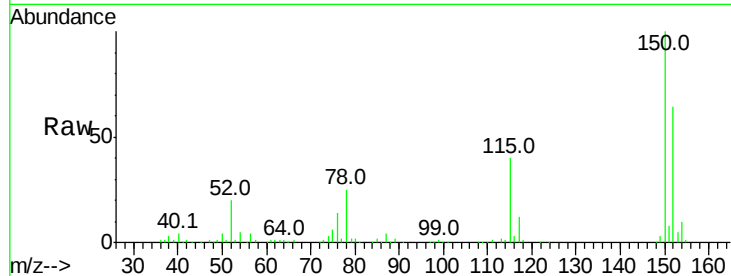


#1

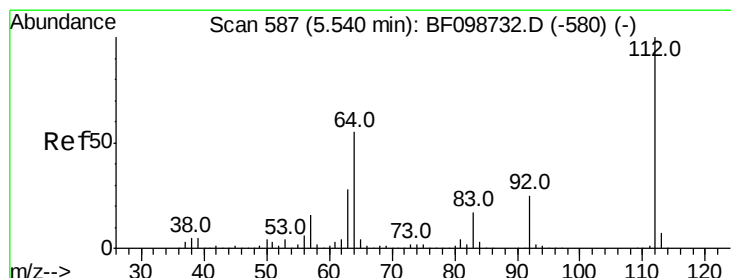
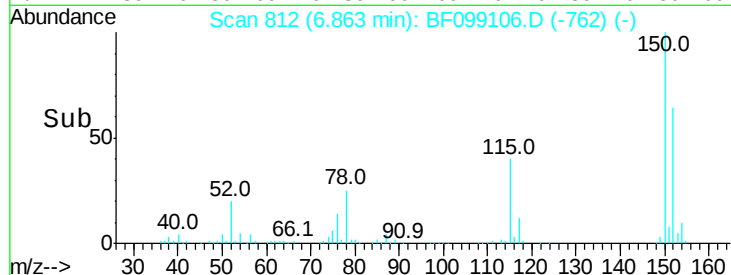
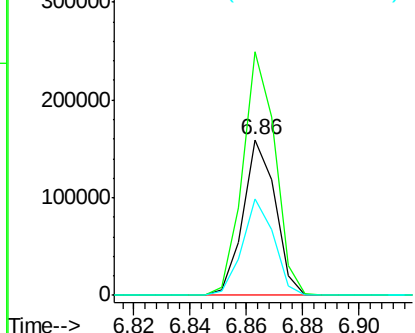
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.86 min Scan# 812  
 Delta R.T. -0.01 min  
 Lab File: BF099106.D  
 Acq: 5 Oct 2017 16:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 2A-(1-2)-COMP-(0-5)

Tot Ion:152 Resp: 126936  
 Ion Ratio Lower Upper  
 152 100  
 150 156.4 124.6 186.8  
 115 61.8 50.1 75.1



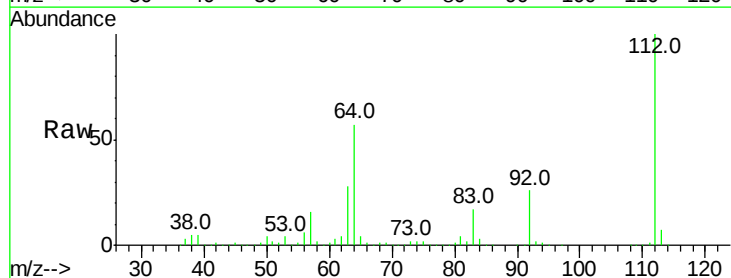
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



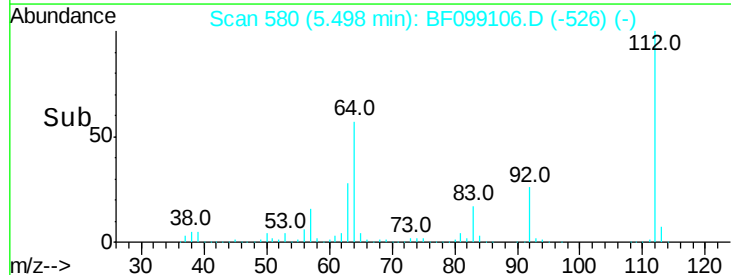
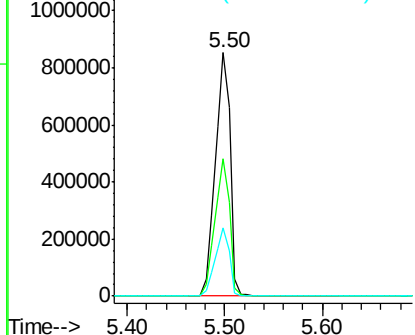
#5

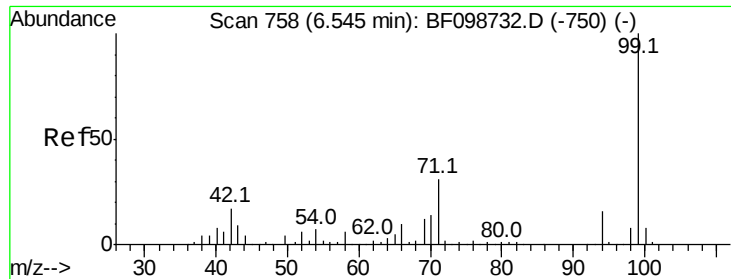
2-Fluorophenol  
 Concen: 112.289 ng  
 RT: 5.50 min Scan# 580  
 Delta R.T. 0.02 min  
 Lab File: BF099106.D  
 Acq: 5 Oct 2017 16:34

Tgt Ion:112 Resp: 895374  
 Ion Ratio Lower Upper  
 112 100  
 64 56.5 47.9 71.9  
 63 28.0 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: 93.422 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF099106.D

Acq: 5 Oct 2017 16:34

Instrument :

BNA\_F

ClientSampleId :

2A-(1-2)-COMP-(0-5)

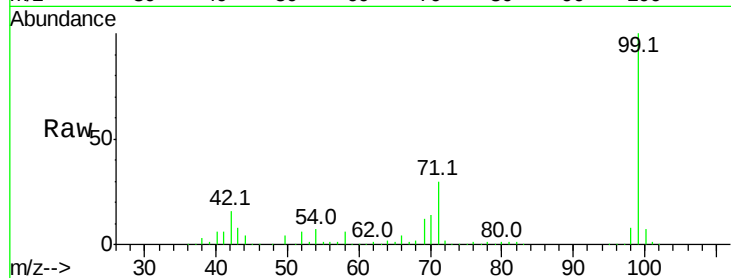
Tot Ion: 99 Resp: 918965

Ion Ratio Lower Upper

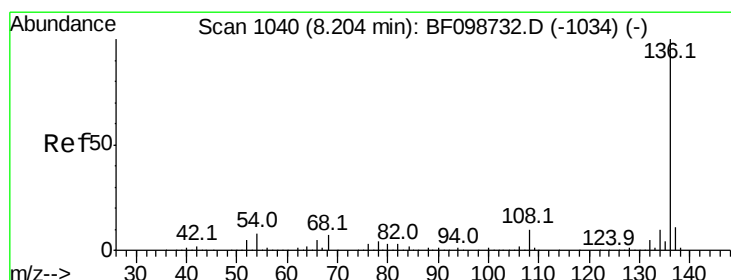
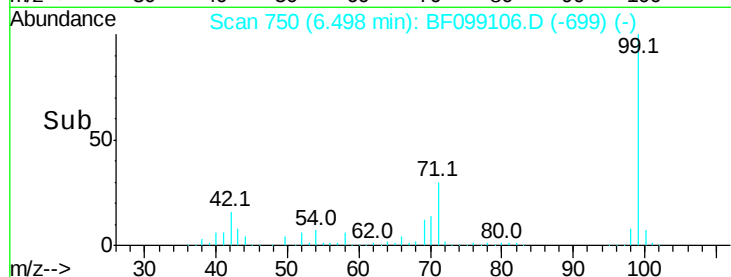
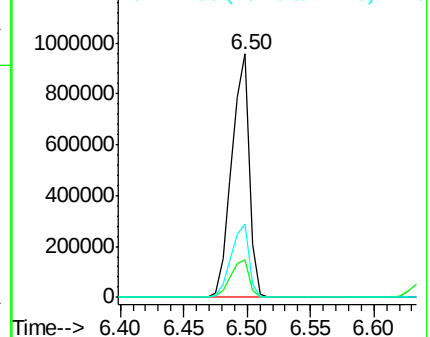
99 100

42 15.7 14.5 21.7

71 30.2 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: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099106.D

Acq: 5 Oct 2017 16:34

Tgt Ion: 136 Resp: 525002

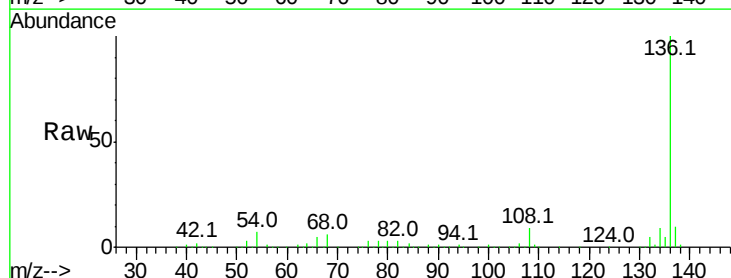
Ion Ratio Lower Upper

136 100

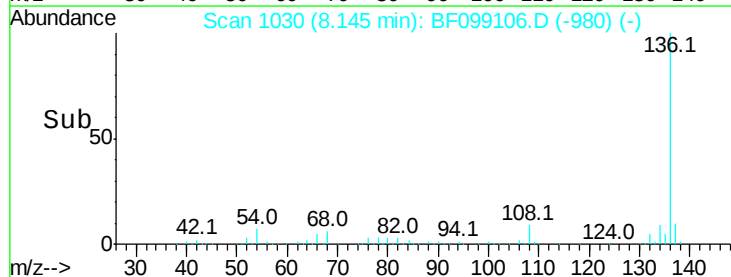
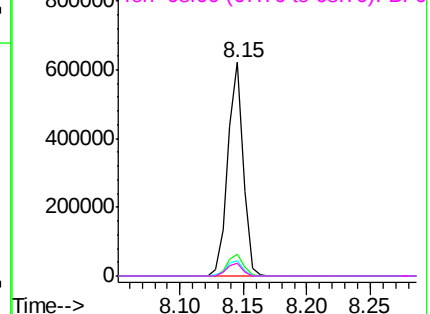
137 10.4 8.9 13.3

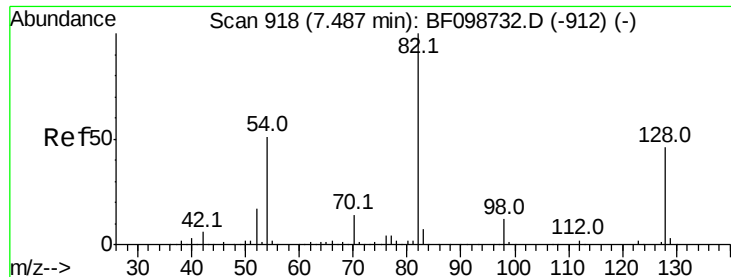
54 7.4 6.6 9.8

68 5.9 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

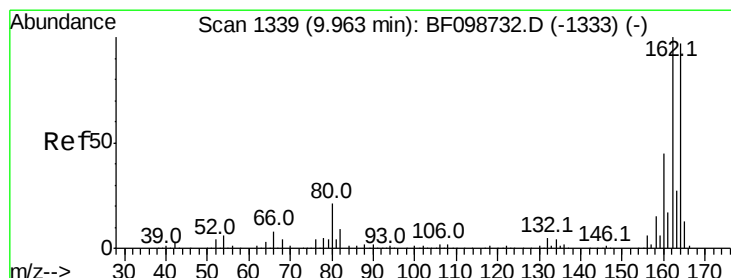
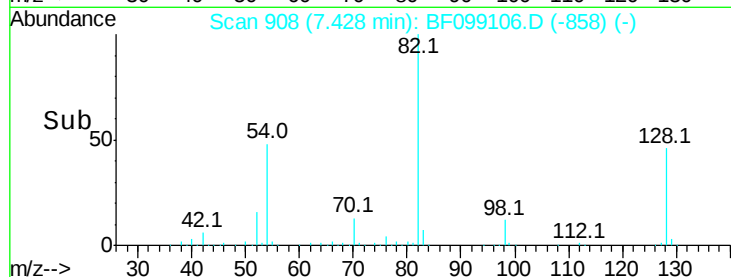
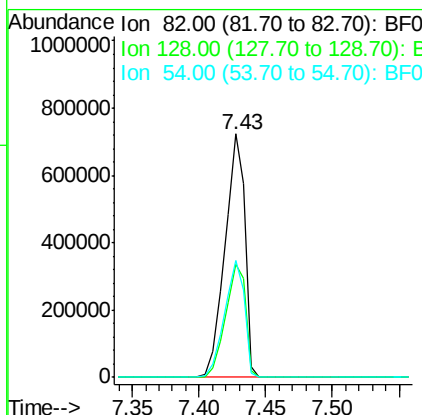
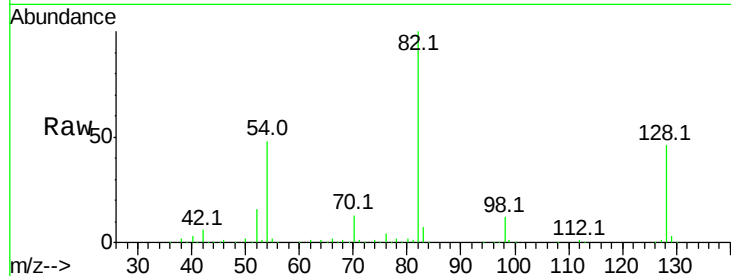




#23  
 Nitrobenzene-d5  
 Concen: 93.157 ng  
 RT: 7.43 min Scan# 908  
 Delta R.T. -0.01 min  
 Lab File: BF099106.D  
 Acq: 5 Oct 2017 16:34

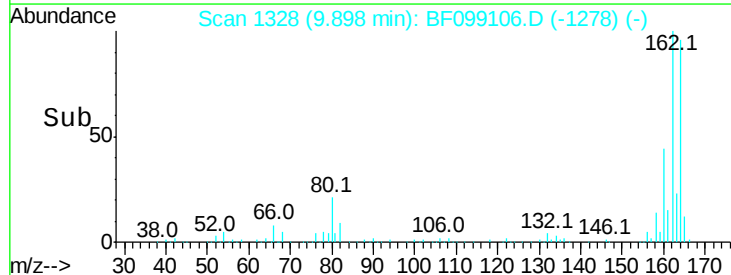
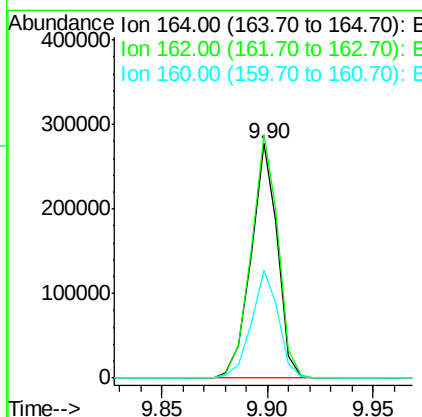
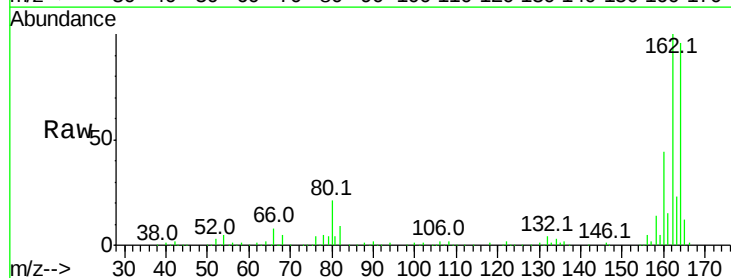
Instrument :  
 BNA\_F  
 ClientSampleId :  
 2A-(1-2)-COMP-(0-5)

| Tot Ion   | 82   | Resp | 762634 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 36.1 |      |        |
| Upper     | 54.1 |      |        |
| 54        | 47.9 | 41.4 | 62.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. -0.01 min  
 Lab File: BF099106.D  
 Acq: 5 Oct 2017 16:34

| Tgt Ion   | 164   | Resp | 240249 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 86.1  |      |        |
| Upper     | 129.1 |      |        |
| 162       | 103.9 | 38.3 | 57.5   |
| 160       | 46.1  |      |        |

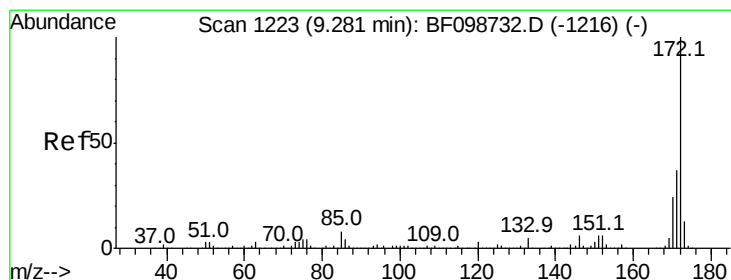
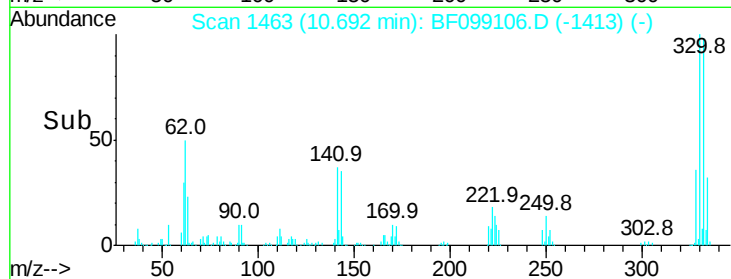
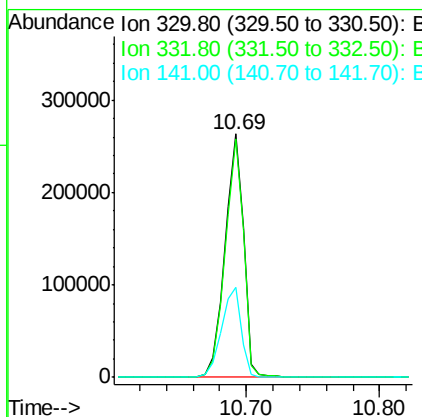
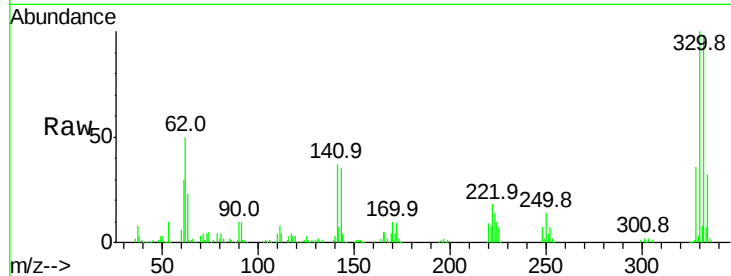




#41  
 2,4,6-Tribromophenol  
 Concen: 132.611 ng  
 RT: 10.69 min Scan# 1463  
 Delta R.T. -0.01 min  
 Lab File: BF099106.D  
 Acq: 5 Oct 2017 16:34

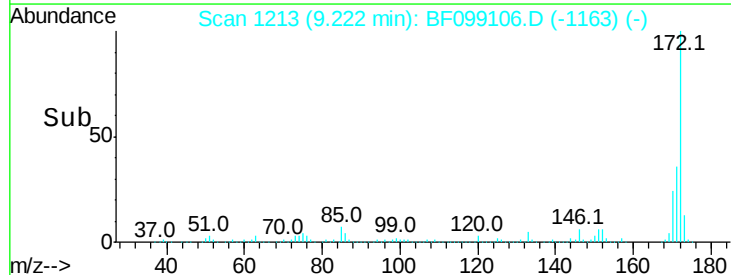
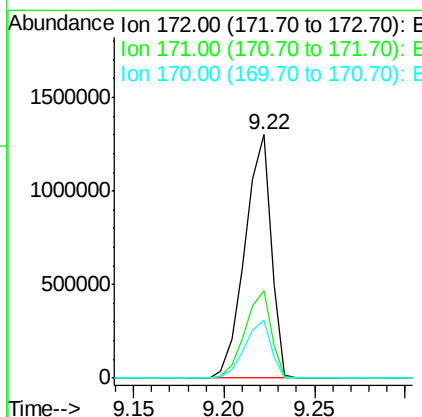
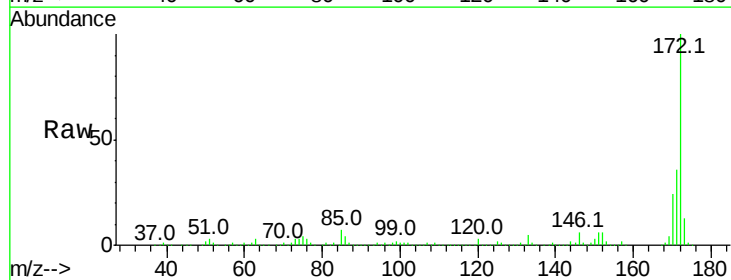
Instrument :  
 BNA\_F  
 ClientSampleId :  
 2A-(1-2)-COMP-(0-5)

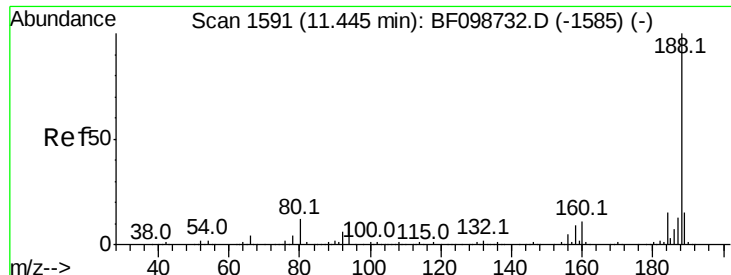
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.4  | 77.0  | 115.6 |
| 141     | 39.1  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 91.022 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. -0.01 min  
 Lab File: BF099106.D  
 Acq: 5 Oct 2017 16:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.7  | 44.5  |
| 170     | 24.0  | 19.6  | 29.4  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099106.D

Acq: 5 Oct 2017 16:34

Instrument :

BNA\_F

ClientSampleId :

2A-(1-2)-COMP-(0-5)

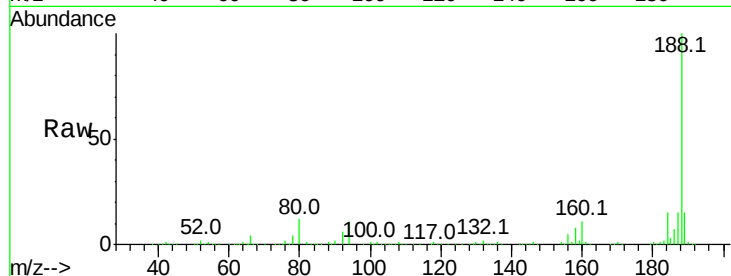
Tot Ion:188 Resp: 428192

Ion Ratio Lower Upper

188 100

94 11.1 8.5 12.7

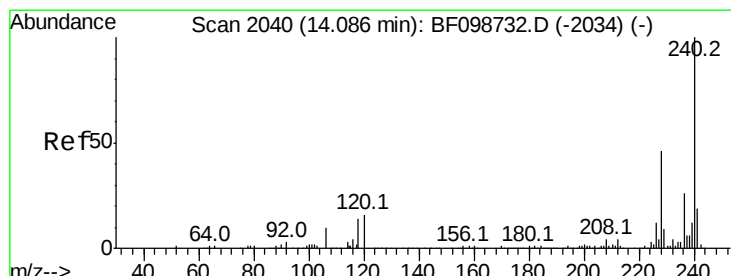
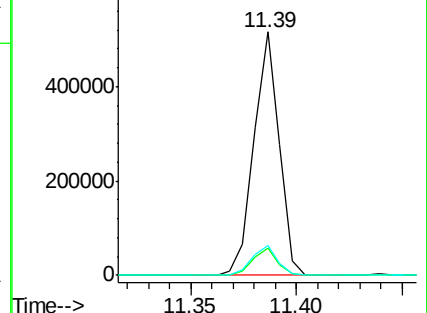
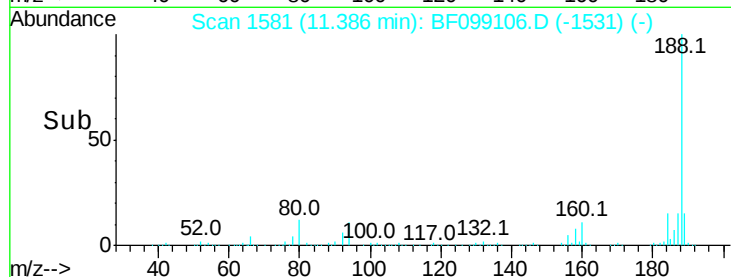
80 12.0 9.2 13.8



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: BF099106.D

Acq: 5 Oct 2017 16:34

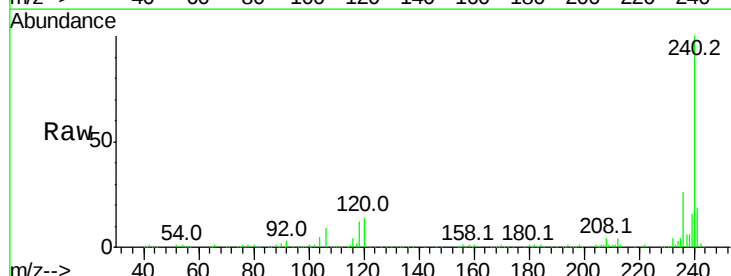
Tgt Ion:240 Resp: 317105

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

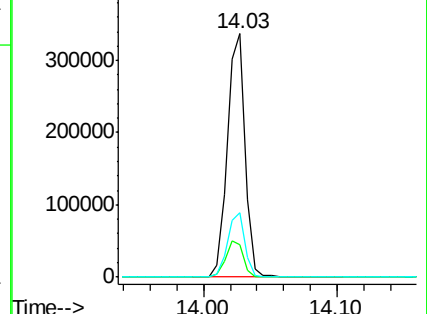
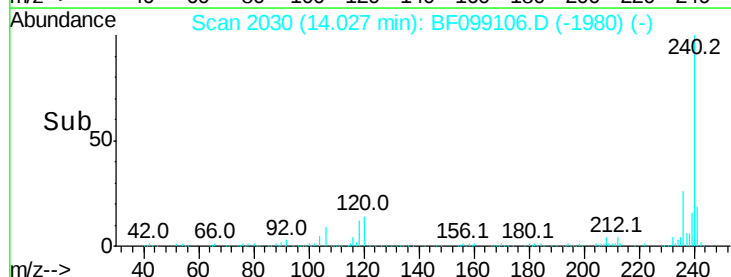
236 26.5 20.7 31.1

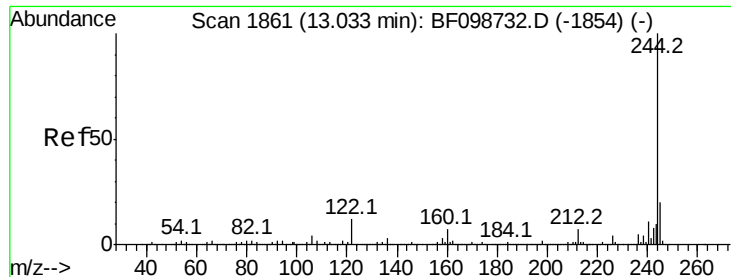


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 84.967 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BF099106.D

Acq: 5 Oct 2017 16:34

Instrument :

BNA\_F

ClientSampleId :

2A-(1-2)-COMP-(0-5)

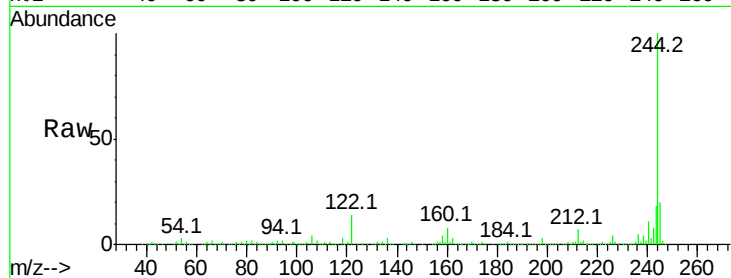
Tot Ion:244 Resp: 1184738

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

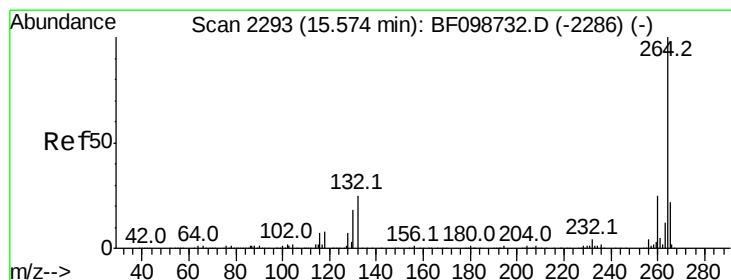
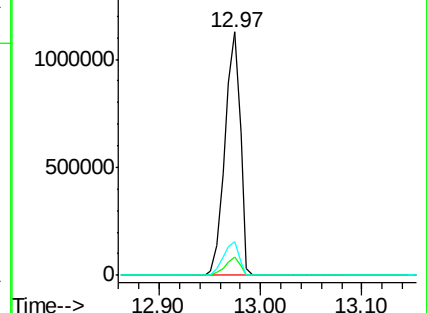
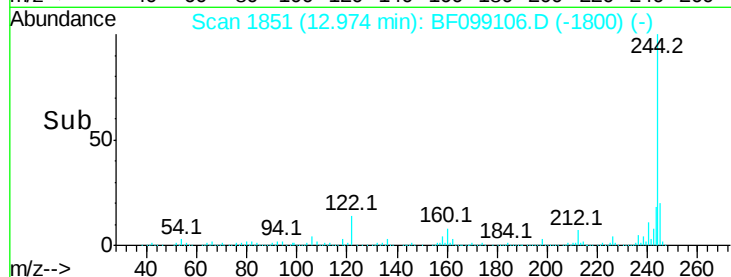
122 13.9 11.0 16.4



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: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF099106.D

Acq: 5 Oct 2017 16:34

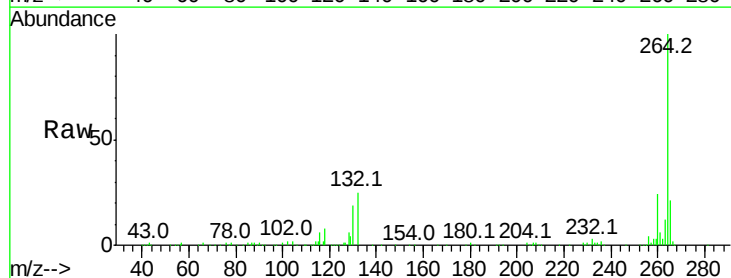
Tgt Ion:264 Resp: 230658

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.3 17.5 26.3



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

