

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101917\  
 Data File : BF099690.D  
 Acq On : 20 Oct 2017 7:33  
 Operator : SJ/JU  
 Sample : I5972-03  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 101617-TIDO-E-U-B

Quant Time: Oct 20 14:04:45 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 20 13:11:43 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 93376    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.10  | 136  | 378145   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.85  | 164  | 165799   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.34 | 188  | 250690   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.98 | 240  | 159405   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.44 | 264  | 167432   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 261059   | 44.51 | ng    | 0.00     |
| 7) Phenol-d6                | 6.46  | 99   | 198247   | 27.40 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 512475   | 86.91 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 110335   | 81.33 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 973518   | 98.02 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.92 | 244  | 661384   | 94.36 | ng    | 0.00     |

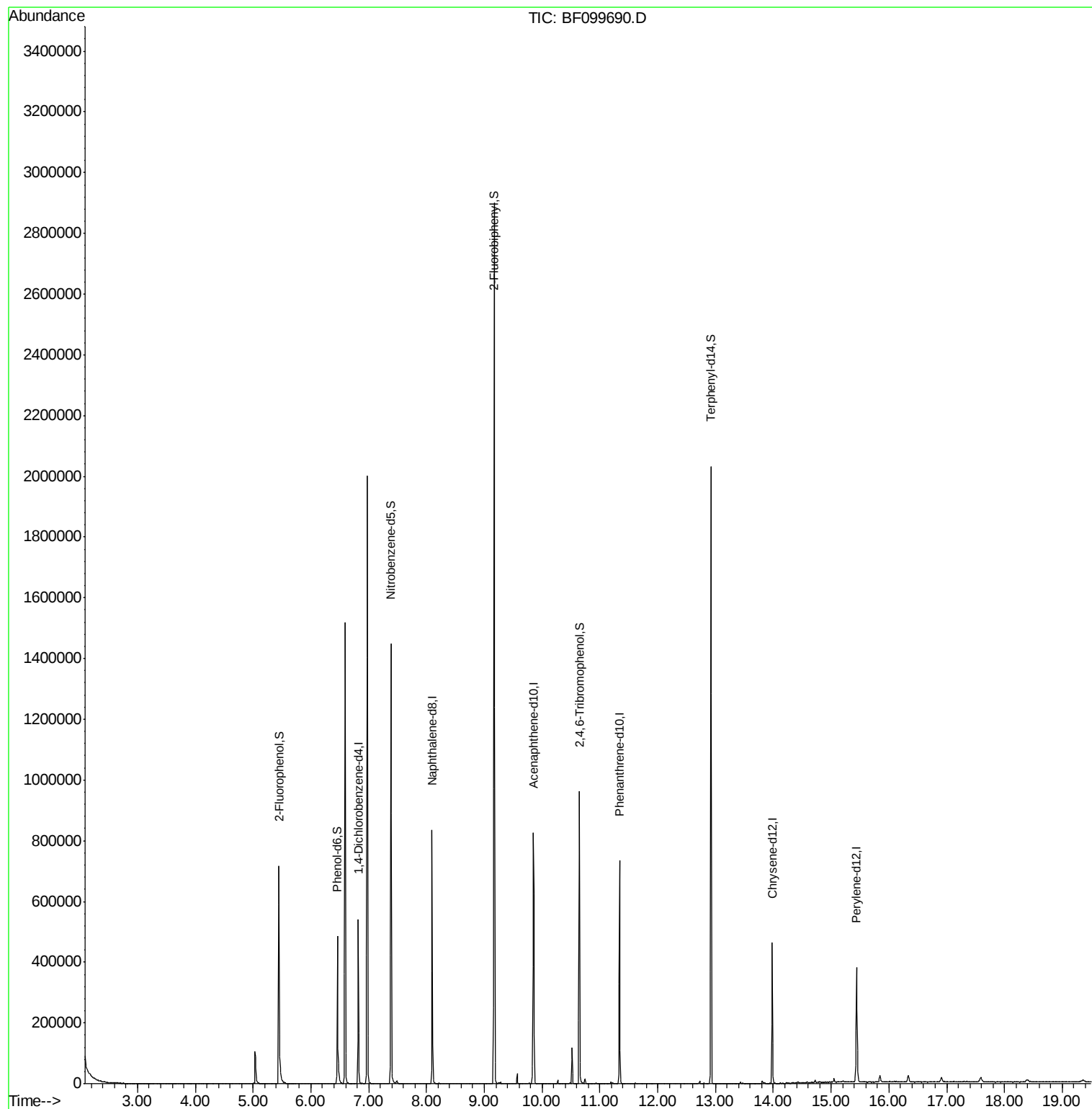
Target Compounds Qvalue

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

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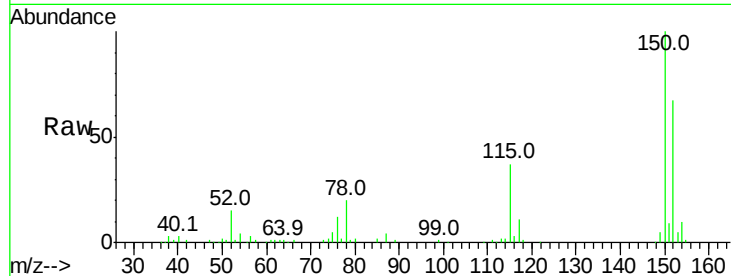


#1

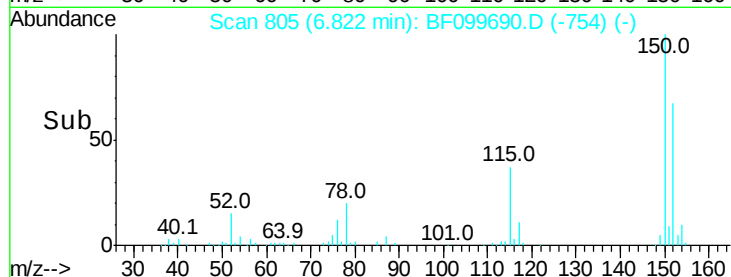
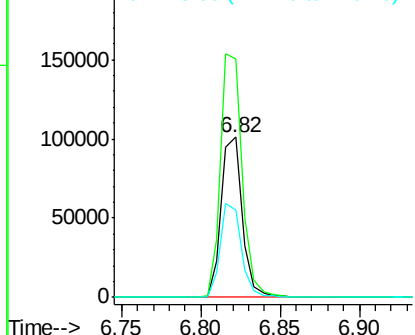
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 805  
Delta R.T. -0.00 min  
Lab File: BF099690.D  
Acq: 20 Oct 2017 7:33

Instrument :  
BNA\_F  
ClientSampleId :  
101617-TIDO-E-U-B

Tot Ion:152 Resp: 93376  
Ion Ratio Lower Upper  
152 100  
150 149.6 124.6 186.8  
115 54.6 50.1 75.1



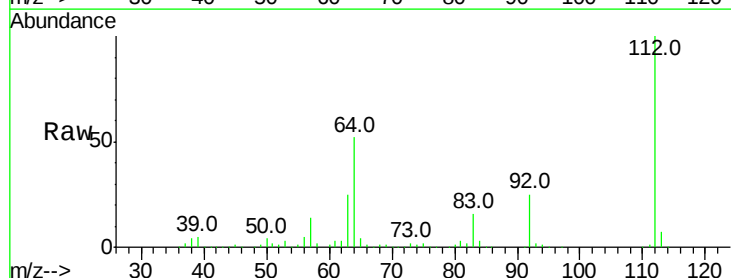
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



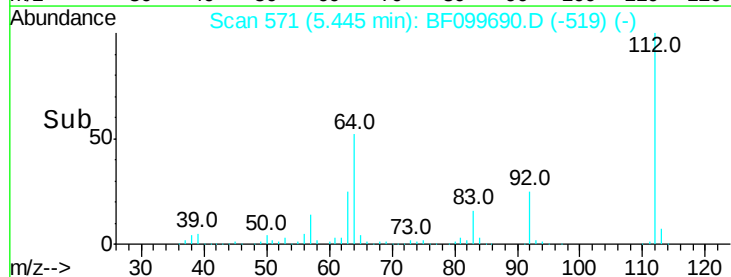
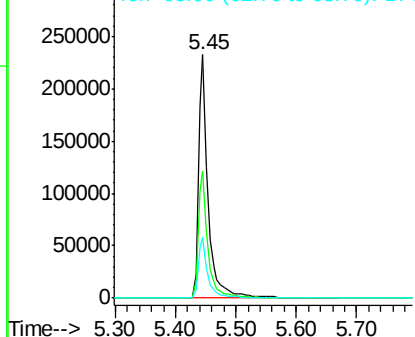
#5

2-Fluorophenol  
Concen: 44.506 ng  
RT: 5.45 min Scan# 571  
Delta R.T. 0.01 min  
Lab File: BF099690.D  
Acq: 20 Oct 2017 7:33

Tgt Ion:112 Resp: 261059  
Ion Ratio Lower Upper  
112 100  
64 52.2 47.9 71.9  
63 24.9 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: 27.397 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF099690.D

Acq: 20 Oct 2017 7:33

Instrument :

BNA\_F

ClientSampleId :

101617-TIDO-E-U-B

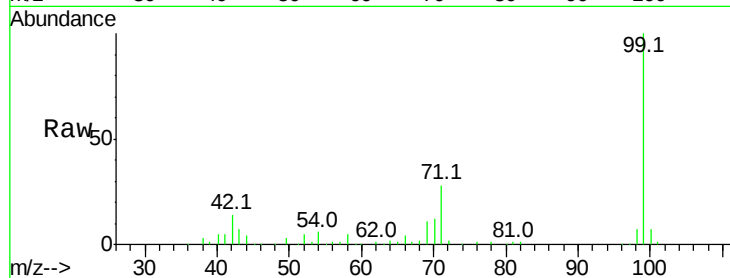
Tot Ion: 99 Resp: 198247

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

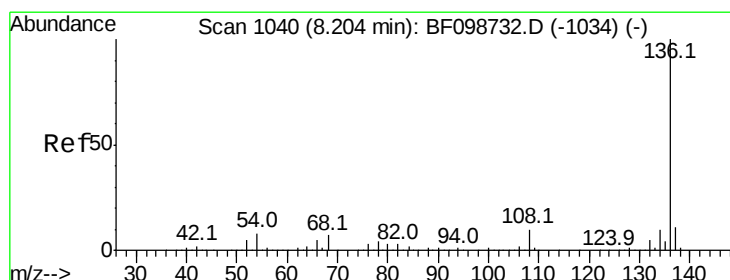
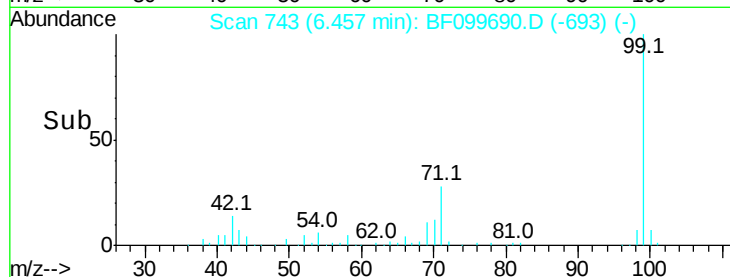
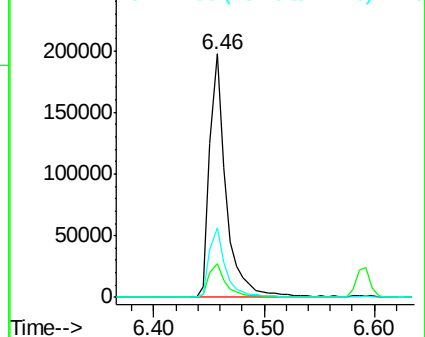
71 28.5 25.4 38.0



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: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF099690.D

Acq: 20 Oct 2017 7:33

Tgt Ion: 136 Resp: 378145

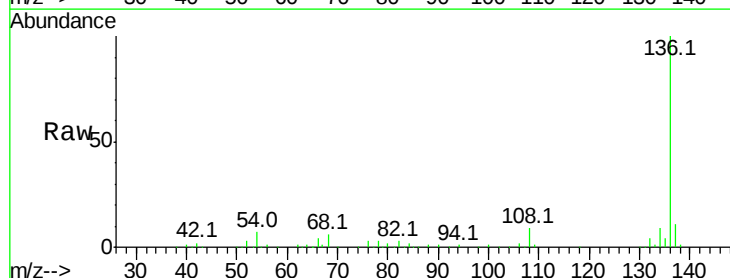
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.0 6.6 9.8

68 6.0 5.0 7.4

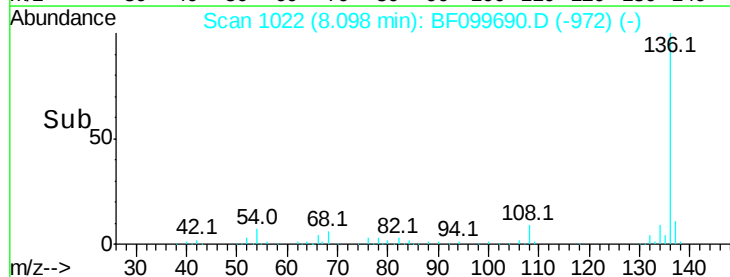
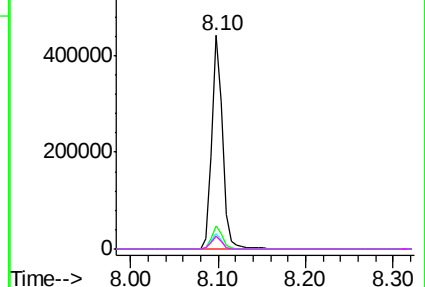


Abundance Ion 136.00 (135.70 to 136.70): E

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

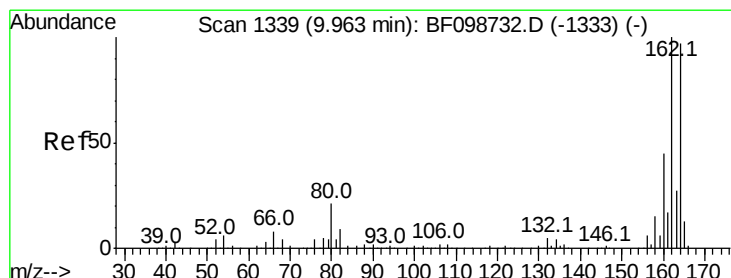
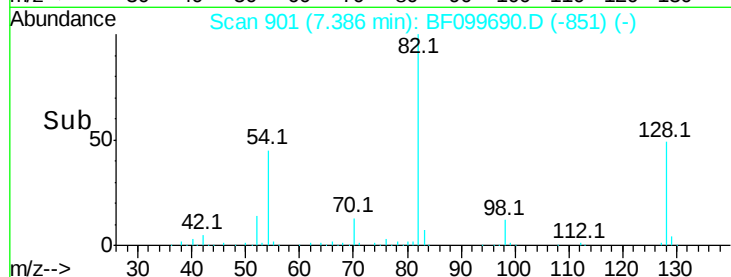
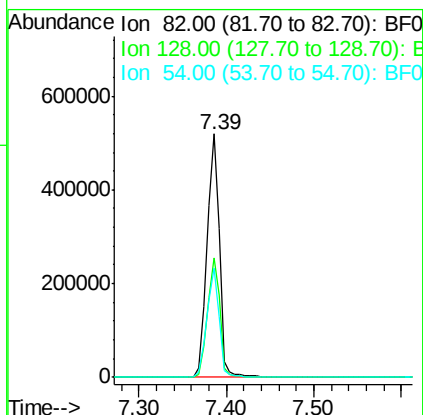
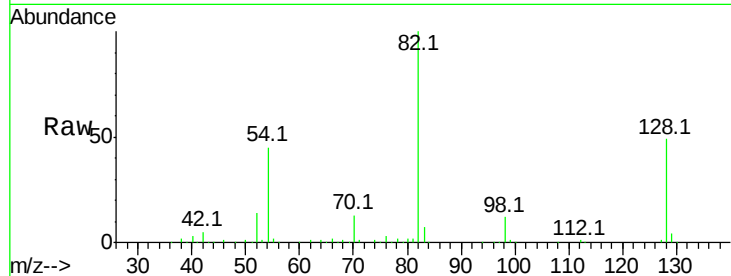




#23  
 Nitrobenzene-d5  
 Concen: 86.911 ng  
 RT: 7.39 min Scan# 901  
 Delta R.T. -0.01 min  
 Lab File: BF099690.D  
 Acq: 20 Oct 2017 7:33

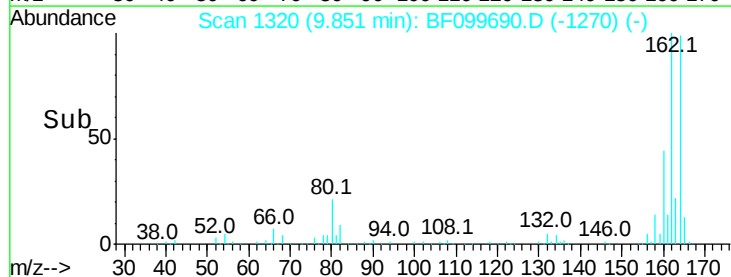
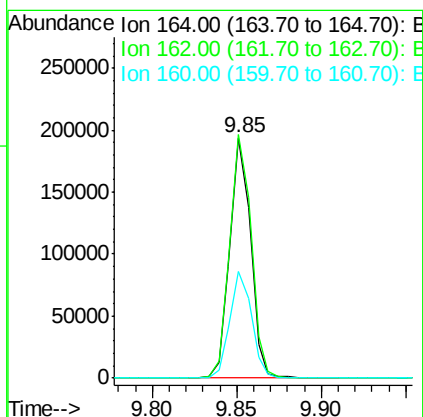
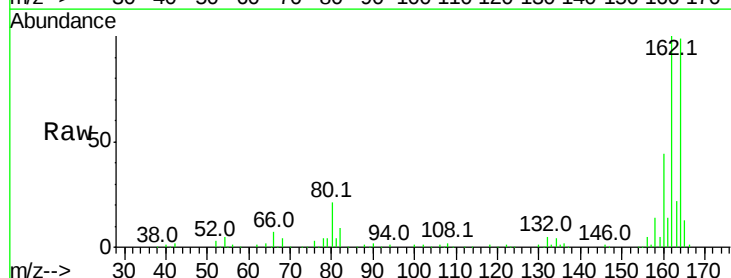
Instrument :  
 BNA\_F  
 ClientSampleId :  
 101617-TIDO-E-U-B

Tot Ion: 82 Resp: 512475  
 Ion Ratio Lower Upper  
 82 100  
 128 49.2 36.1 54.1  
 54 45.1 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.85 min Scan# 1320  
 Delta R.T. -0.01 min  
 Lab File: BF099690.D  
 Acq: 20 Oct 2017 7:33

Tgt Ion:164 Resp: 165799  
 Ion Ratio Lower Upper  
 164 100  
 162 101.5 86.1 129.1  
 160 44.6 38.3 57.5

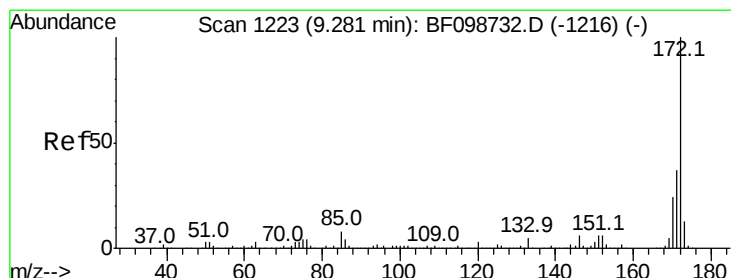
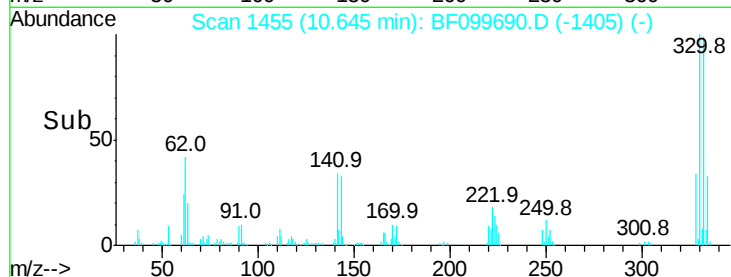
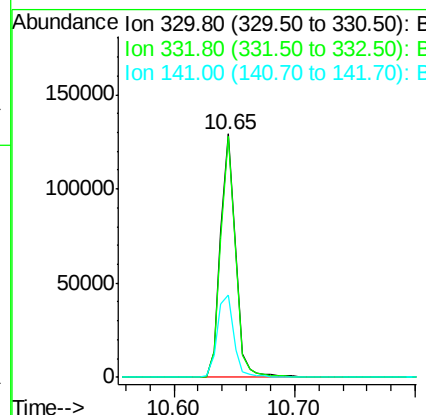
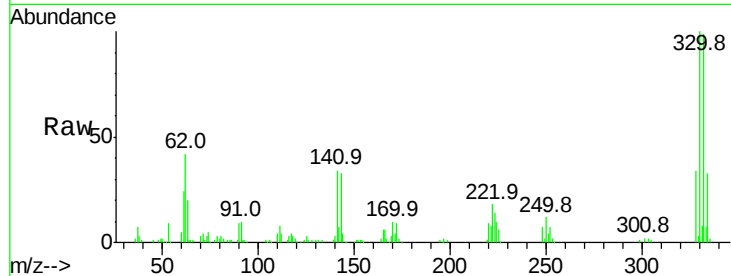




#41  
 2,4,6-Tribromophenol  
 Concen: 81.327 ng  
 RT: 10.65 min Scan# 1455  
 Delta R.T. -0.01 min  
 Lab File: BF099690.D  
 Acq: 20 Oct 2017 7:33

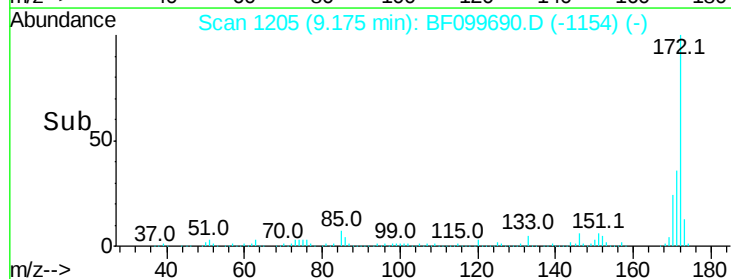
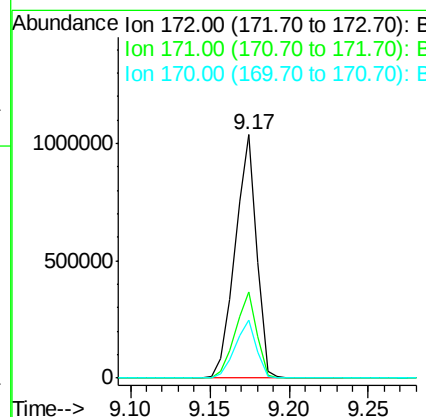
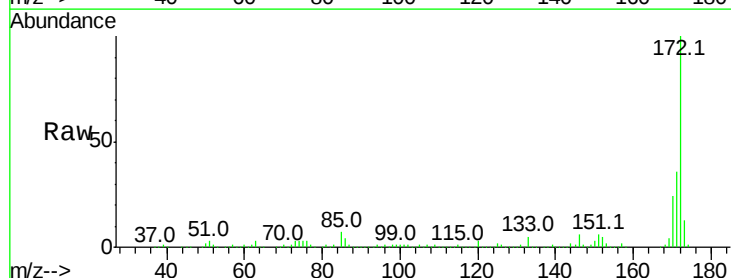
Instrument :  
 BNA\_F  
 ClientSampleId :  
 101617-TIDO-E-U-B

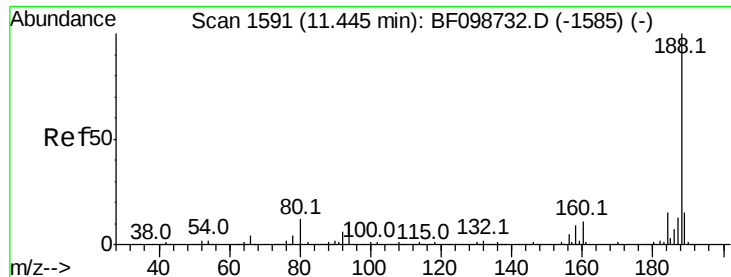
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.4  | 77.0  | 115.6 |
| 141     | 37.4  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 98.023 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. -0.00 min  
 Lab File: BF099690.D  
 Acq: 20 Oct 2017 7:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 29.7  | 44.5  |
| 170     | 23.9  | 19.6  | 29.4  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF099690.D

Acq: 20 Oct 2017 7:33

Instrument :

BNA\_F

ClientSampleId :

101617-TIDO-E-U-B

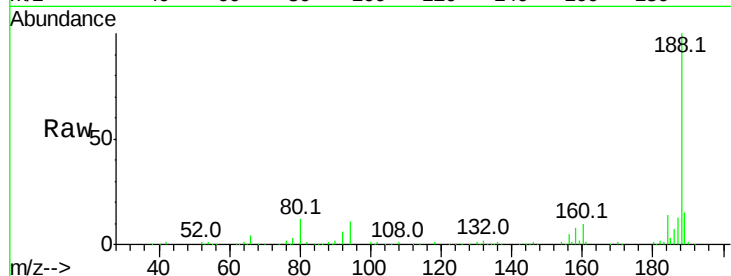
Tot Ion:188 Resp: 250690

Ion Ratio Lower Upper

188 100

94 11.1 8.5 12.7

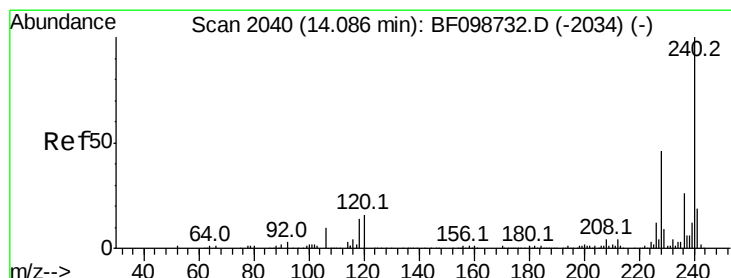
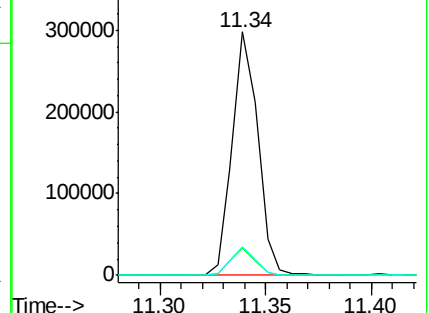
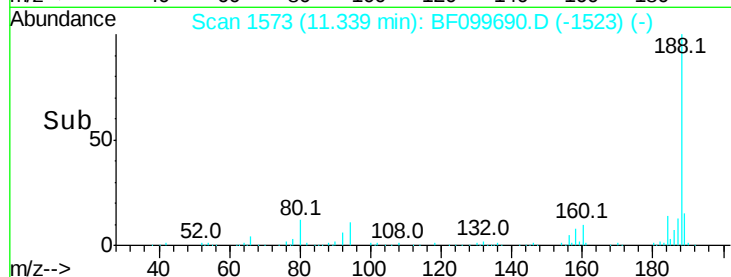
80 11.8 9.2 13.8



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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099690.D

Acq: 20 Oct 2017 7:33

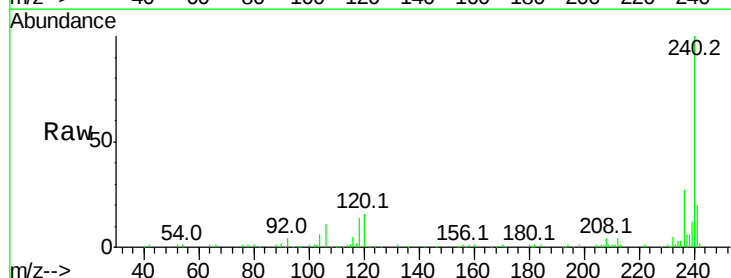
Tgt Ion:240 Resp: 159405

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

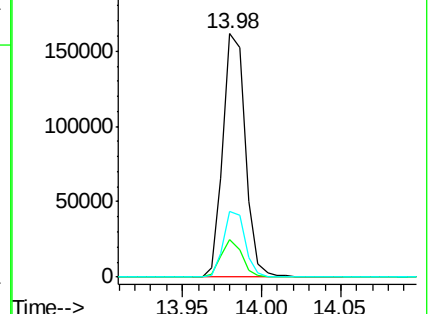
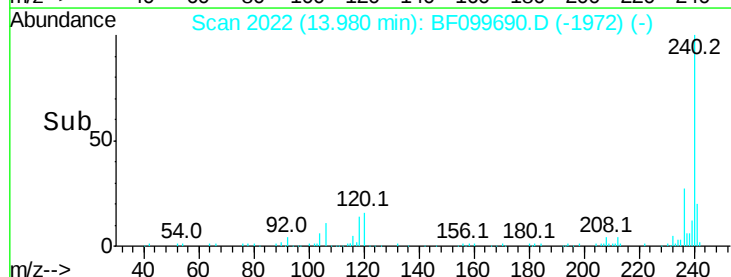
236 26.8 20.7 31.1

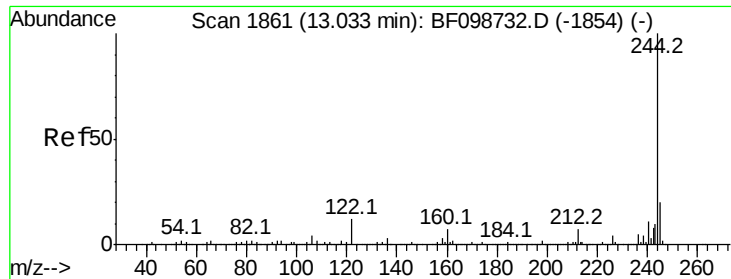


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 94.358 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF099690.D

Acq: 20 Oct 2017 7:33

Instrument :

BNA\_F

ClientSampleId :

101617-TIDO-E-U-B

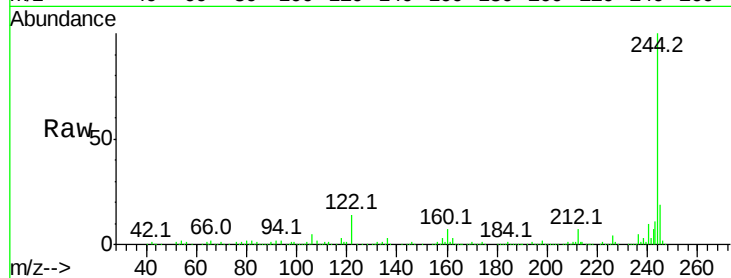
Tot Ion:244 Resp: 661384

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

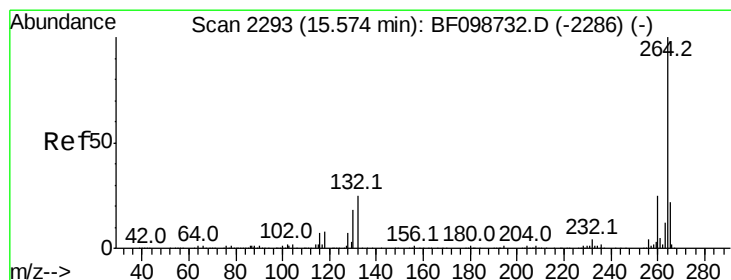
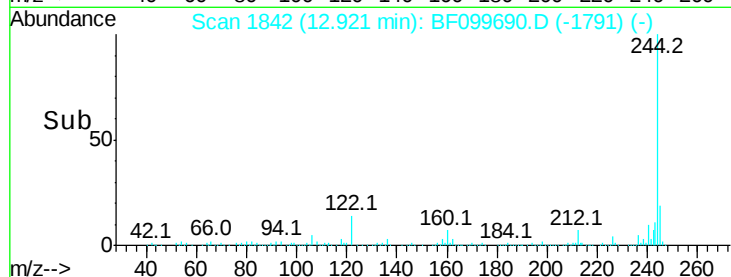
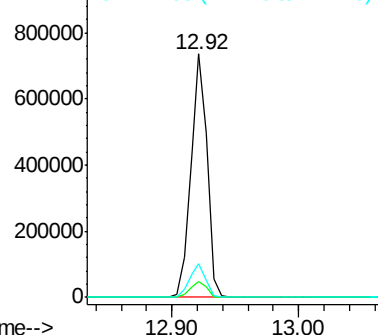
122 13.9 11.0 16.4



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: 15.44 min Scan# 2271

Delta R.T. 0.01 min

Lab File: BF099690.D

Acq: 20 Oct 2017 7:33

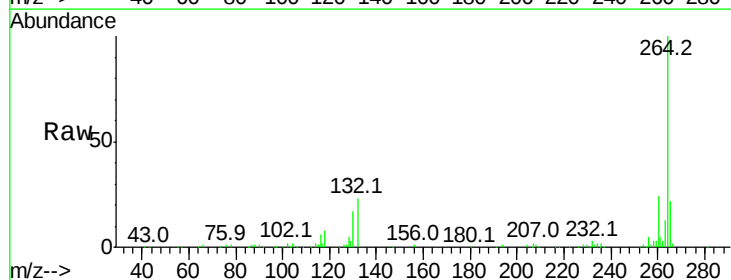
Tgt Ion:264 Resp: 167432

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.2 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

