

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\  
 Data File : BF117997.D  
 Acq On : 26 Nov 2019 5:58  
 Operator : JU  
 Sample : K5999-01 5X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDLEWILD-BH-01A

Quant Time: Nov 26 07:24:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 26 05:38:20 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 123992   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.18  | 136  | 457341   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.95  | 164  | 211636   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.44 | 188  | 327182   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.09 | 240  | 232864   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.60 | 264  | 204823   | 20.00 | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.50  | 112  | 114548   | 16.35 | ng    | 0.00     |
| 7) Phenol-d6                | 6.52  | 99   | 143014   | 16.93 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 80646    | 10.48 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.73 | 330  | 29323    | 13.09 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.26  | 172  | 168430   | 14.28 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.03 | 244  | 139272   | 10.93 | ng    | 0.00     |

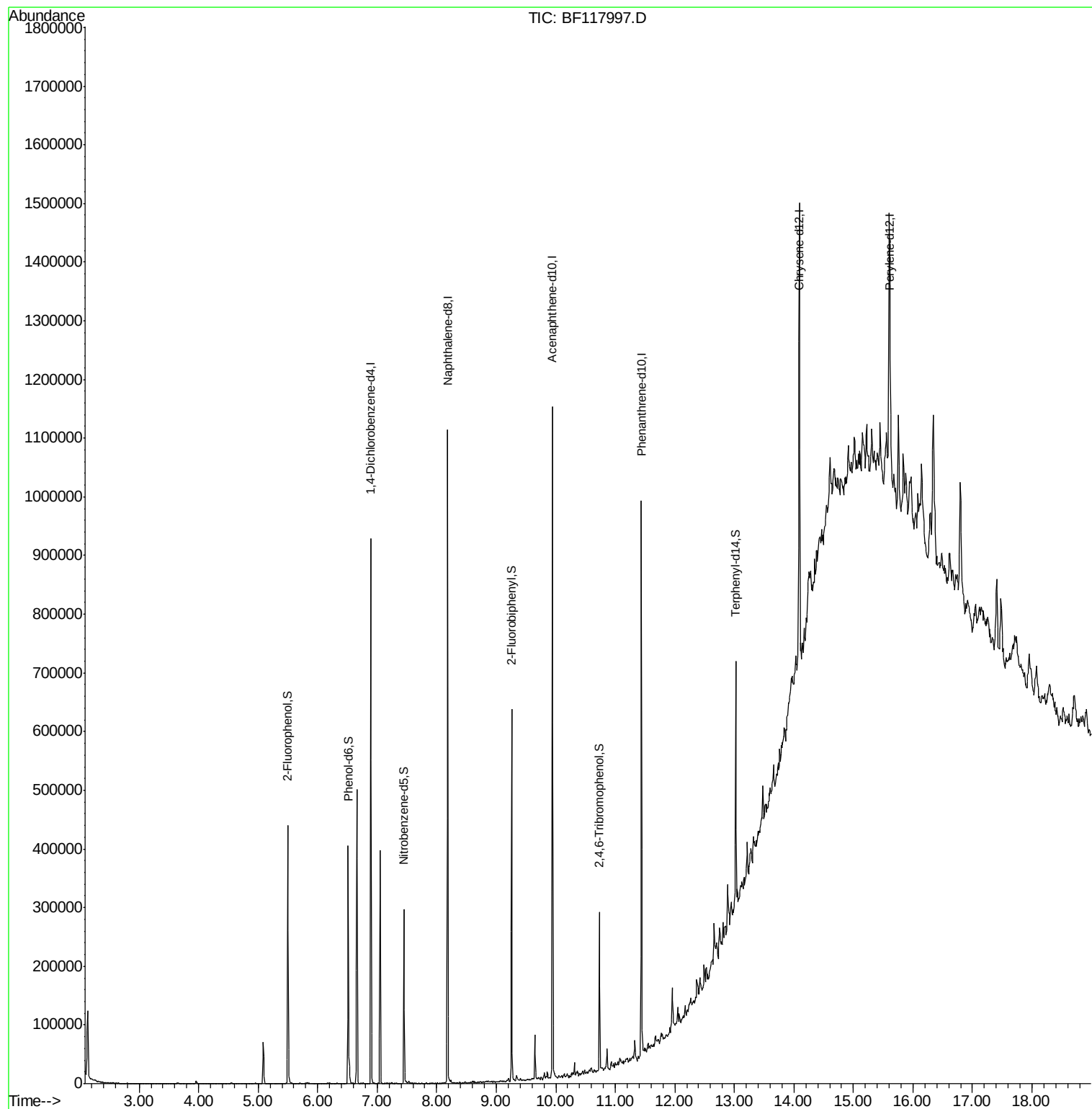
Target Compounds Qvalue

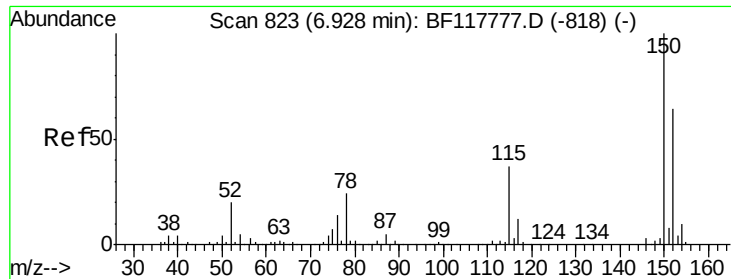
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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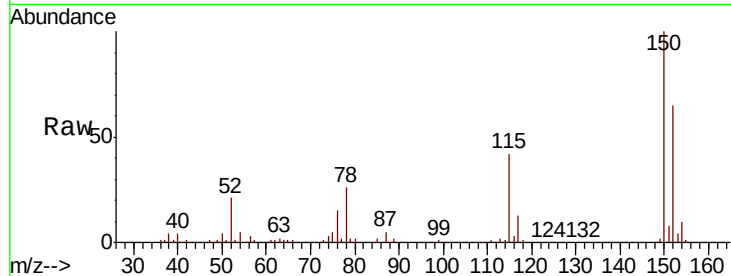


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 817  
Delta R.T. 0.00 min  
Lab File: BF117997.D  
Acq: 26 Nov 2019 5:58

Instrument :  
BNA\_F  
ClientSampleId :  
IDLEWILD-BH-01A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.1 | 125.3 | 187.9 |
| 115     | 64.3  | 47.0  | 70.4  |

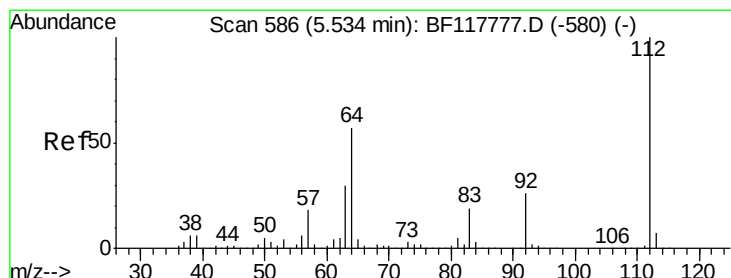
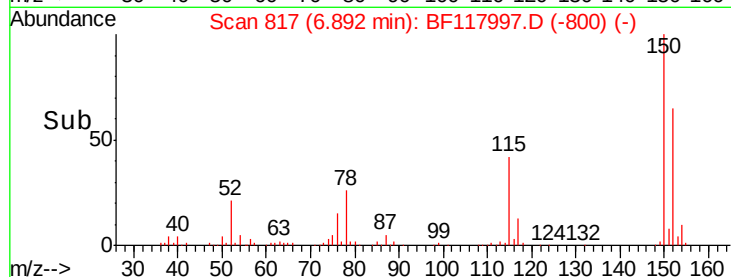
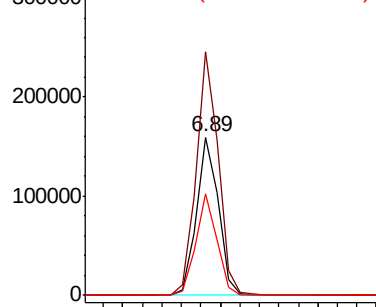


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

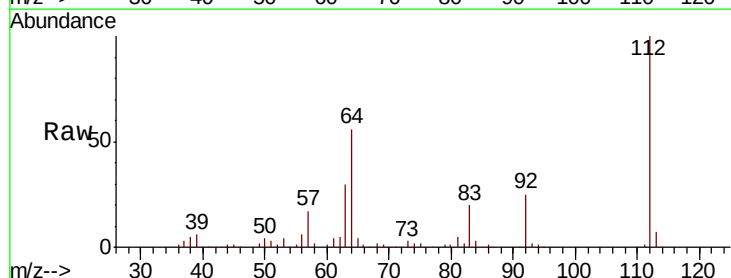
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 16.353 ng  
RT: 5.50 min Scan# 580  
Delta R.T. 0.00 min  
Lab File: BF117997.D  
Acq: 26 Nov 2019 5:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.0  | 45.6  | 68.4  |
| 63      | 29.7  | 24.1  | 36.1  |

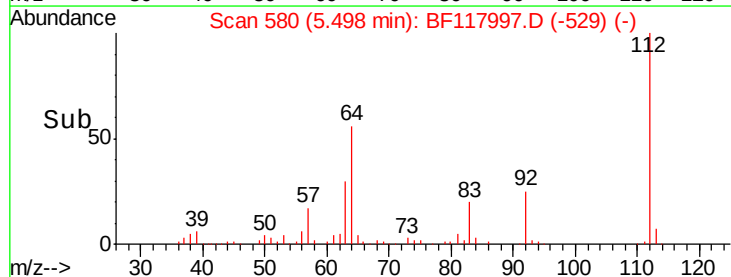
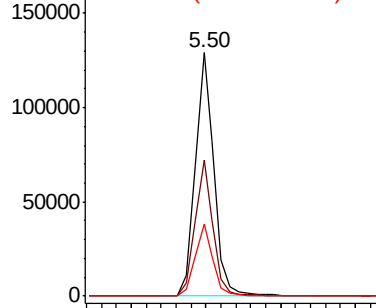


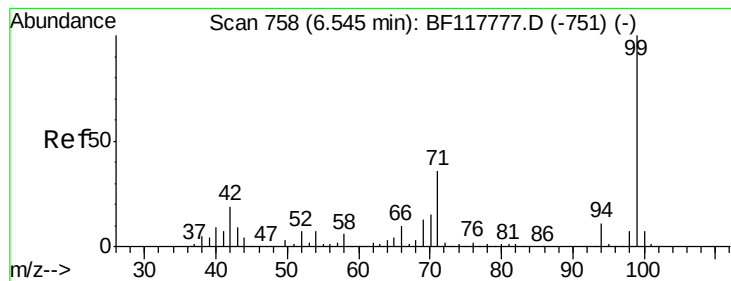
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 16.927 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

Instrument :

BNA\_F

ClientSampleId :

IDLEWILD-BH-01A

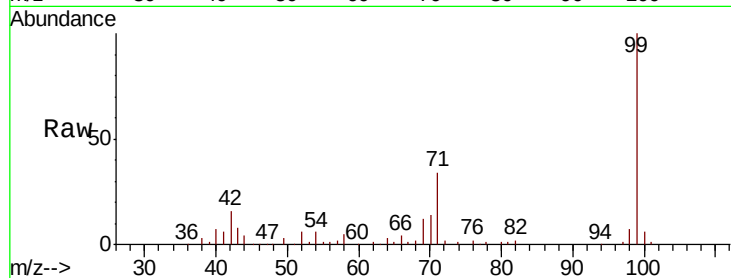
Tot Ion: 99 Resp: 143014

Ion Ratio Lower Upper

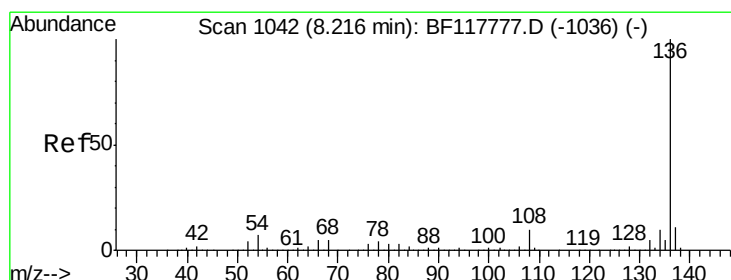
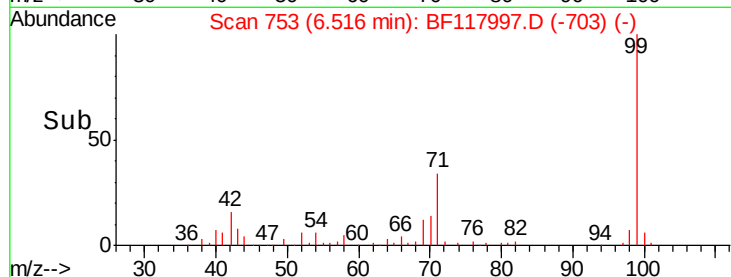
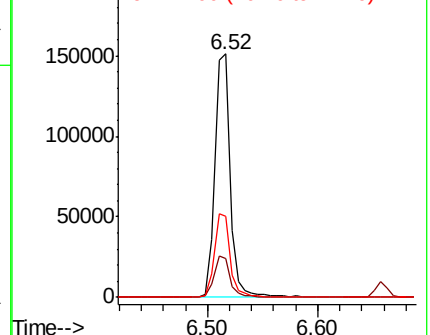
99 100

42 15.8 14.9 22.3

71 33.5 28.6 43.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

Tgt Ion: 136 Resp: 457341

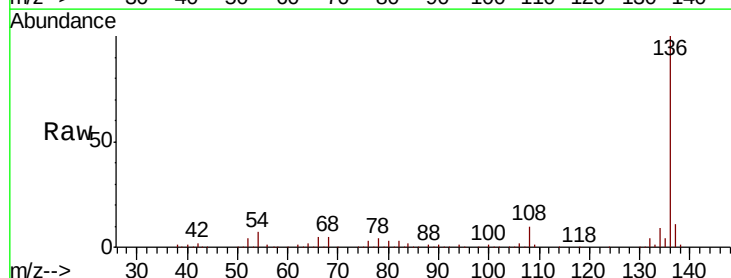
Ion Ratio Lower Upper

136 100

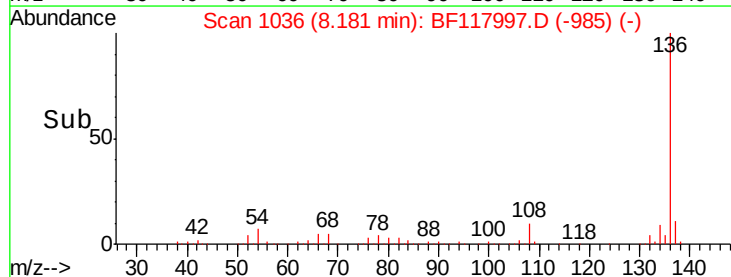
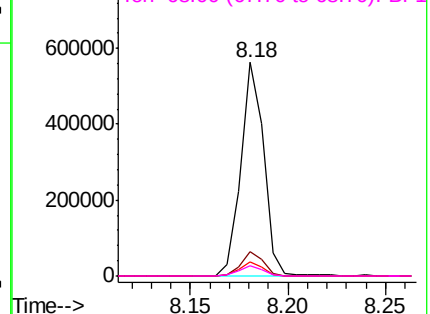
137 11.2 9.0 13.4

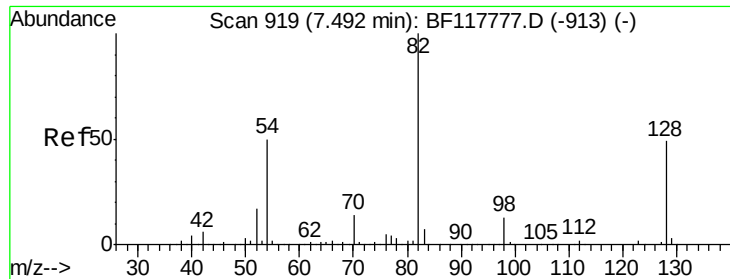
54 6.7 5.4 8.2

68 4.9 4.3 6.5



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): BF1  
Ion 68.00 (67.70 to 68.70): BF1

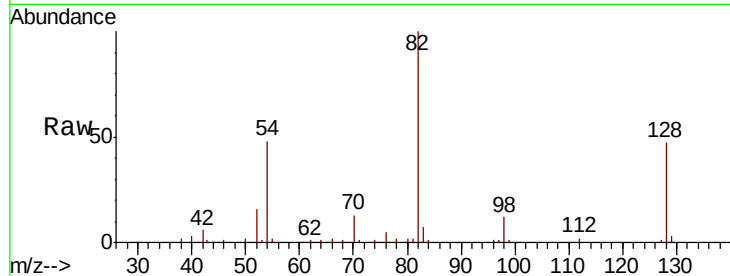




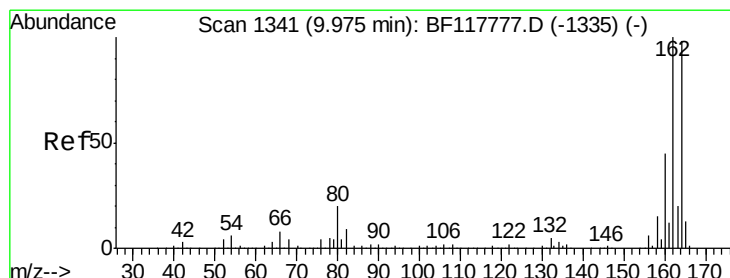
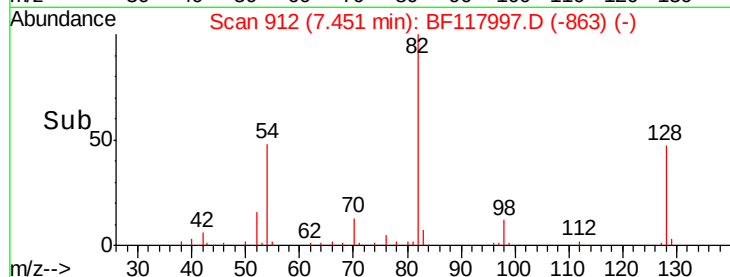
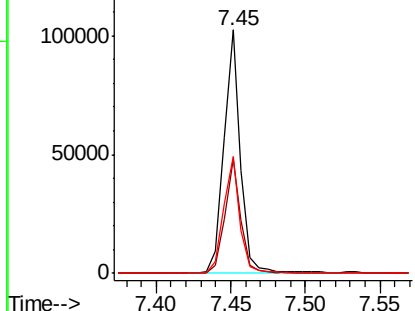
#23  
 Nitrobenzene-d5  
 Concen: 10.482 ng  
 RT: 7.45 min Scan# 912  
 Delta R.T. -0.01 min  
 Lab File: BF117997.D  
 Acq: 26 Nov 2019 5:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDLEWILD-BH-01A

| Tot Ion   | 82    | Resp  | 80646 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 47.0  | 38.9  | 58.3  |
| 54        | 47.8  | 39.8  | 59.6  |

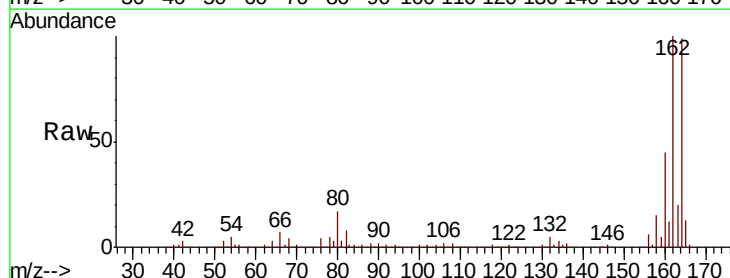


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF1

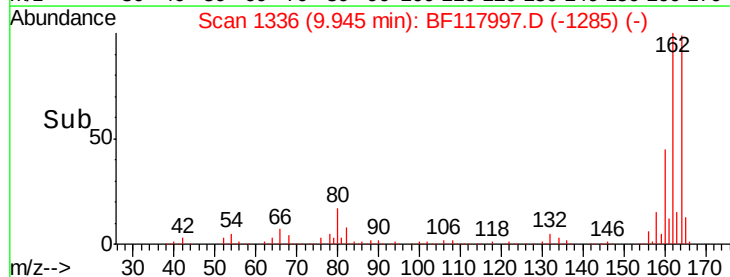
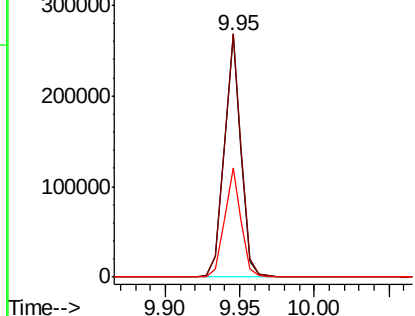


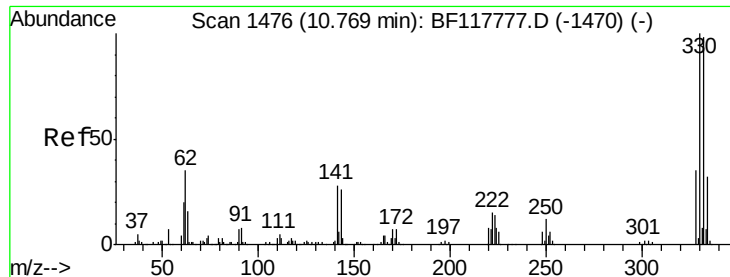
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.95 min Scan# 1336  
 Delta R.T. 0.00 min  
 Lab File: BF117997.D  
 Acq: 26 Nov 2019 5:58

| Tgt Ion   | 164   | Resp  | 211636 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.6 | 81.3  | 121.9  |
| 160       | 45.2  | 36.6  | 55.0   |



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





#42

2,4,6-Tribromophenol

Concen: 13.087 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

Instrument :

BNA\_F

ClientSampleId :

IDLEWILD-BH-01A

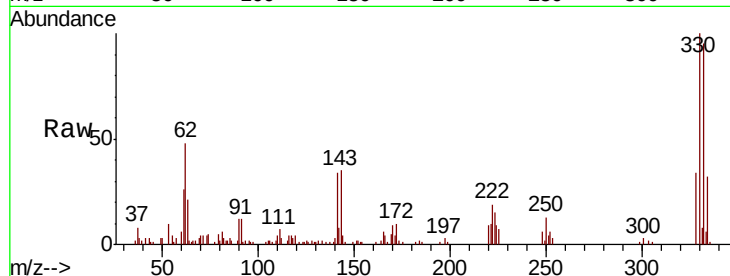
Tot Ion:330 Resp: 29323

Ion Ratio Lower Upper

330 100

332 94.8 76.7 115.1

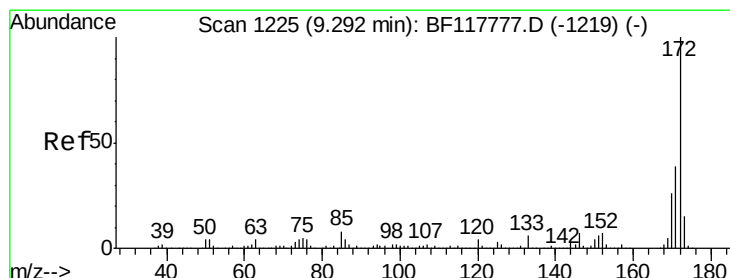
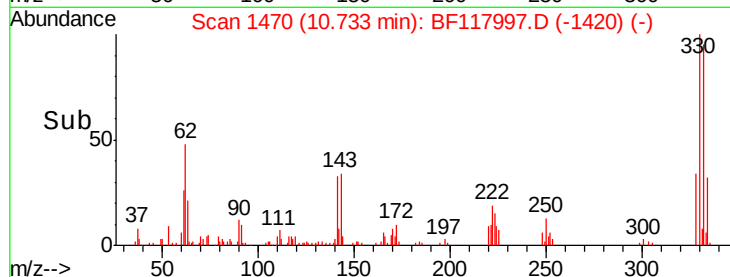
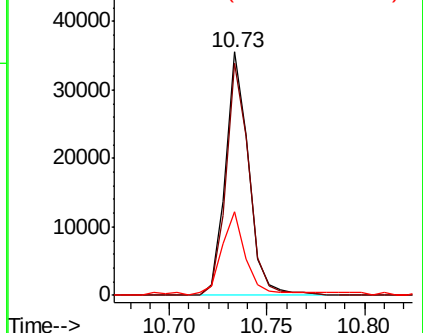
141 36.0 27.7 41.5



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



#45

2-Fluorobiphenyl

Concen: 14.278 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

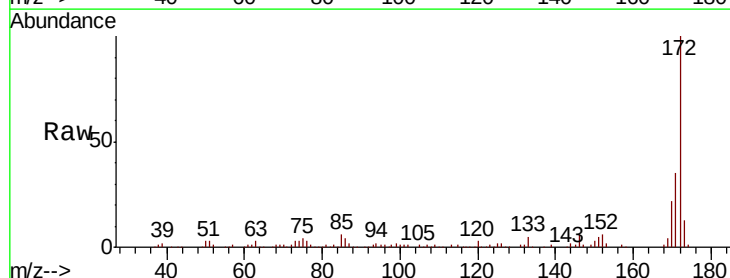
Tgt Ion:172 Resp: 168430

Ion Ratio Lower Upper

172 100

171 34.7 30.9 46.3

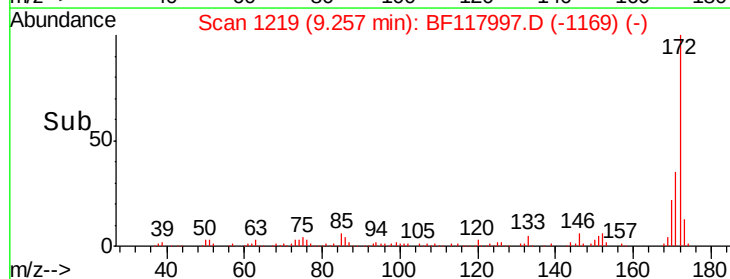
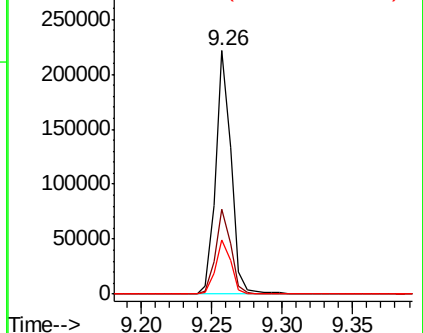
170 22.1 21.0 31.4

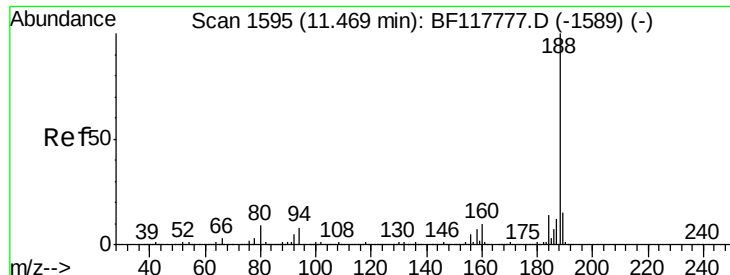


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.01 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

Instrument :

BNA\_F

ClientSampleId :

IDLEWILD-BH-01A

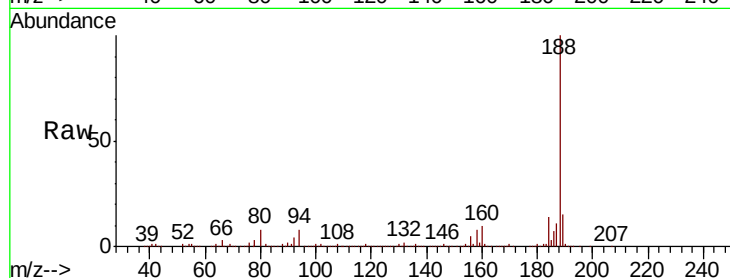
Tot Ion:188 Resp: 327182

Ion Ratio Lower Upper

188 100

94 8.1 6.6 10.0

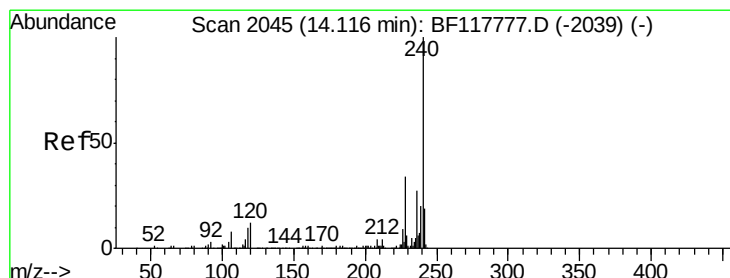
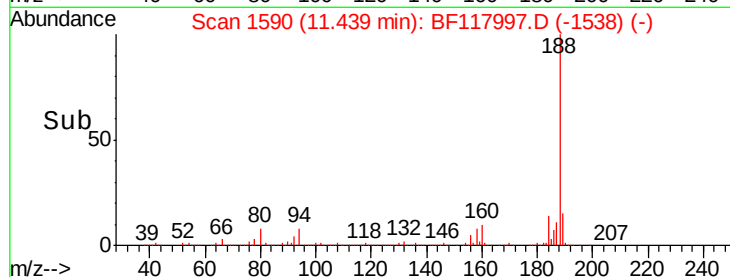
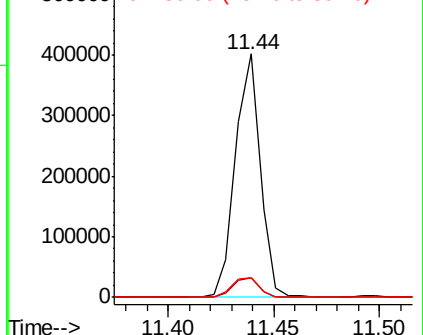
80 7.9 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.01 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

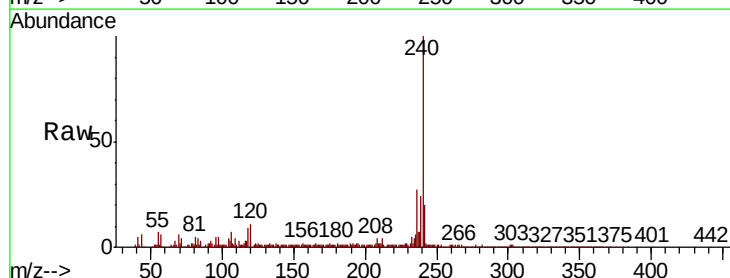
Tgt Ion:240 Resp: 232864

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

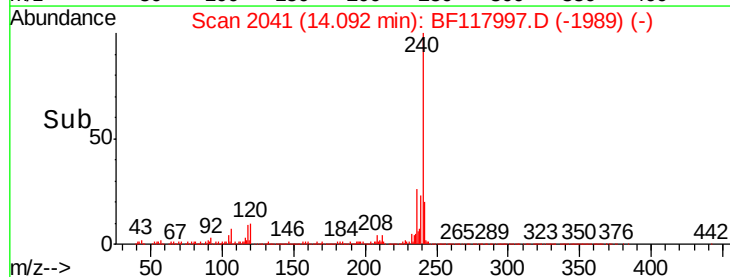
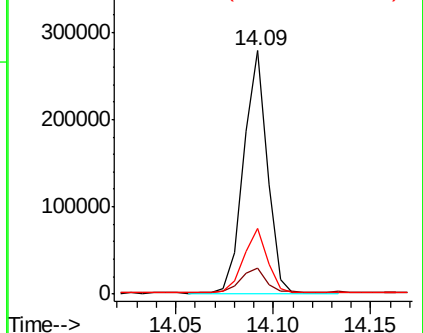
236 26.8 21.3 31.9

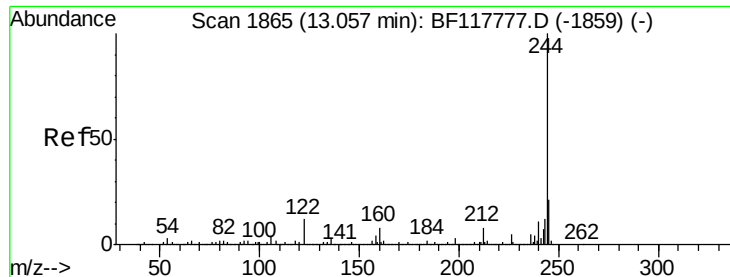


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 10.931 ng

RT: 13.03 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

Instrument :

BNA\_F

ClientSampleId :

IDLEWILD-BH-01A

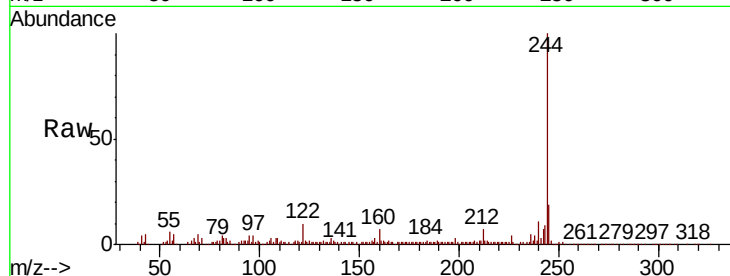
Tot Ion:244 Resp: 139272

Ion Ratio Lower Upper

244 100

212 7.1 6.3 9.5

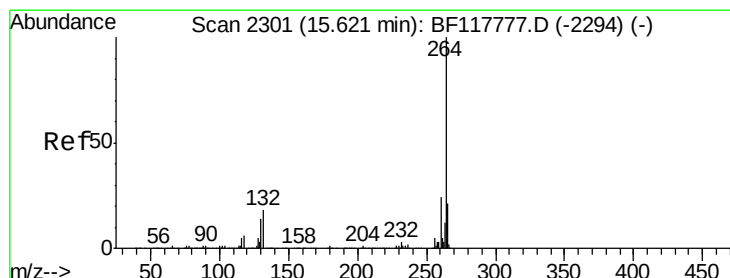
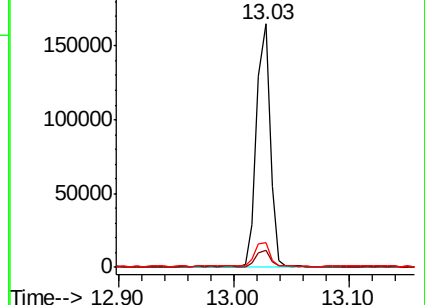
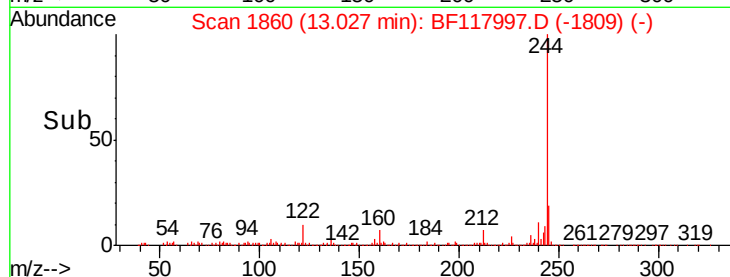
122 10.0 9.4 14.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.60 min Scan# 2298

Delta R.T. 0.02 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

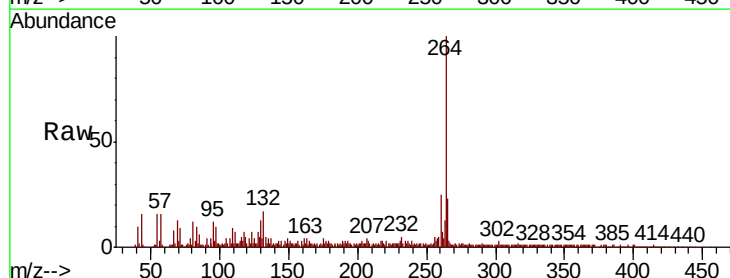
Tgt Ion:264 Resp: 204823

Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.0

265 22.7 17.1 25.7



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

