

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\  
 Data File : BF116733.D  
 Acq On : 1 Sep 2019 8:36  
 Operator : HP/JU  
 Sample : K4527-40  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T9-12-13-Q2-Q4

Quant Time: Sep 02 06:48:17 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 30 20:02:30 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 123490   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 476187   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.87  | 164  | 243033   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.36 | 188  | 403351   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 13.99 | 240  | 275931   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.44 | 264  | 314302   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 942898   | 123.70 | ng    | 0.00     |
| 7) Phenol-d6                | 6.47  | 99   | 1153997  | 115.29 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 853980   | 102.38 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330  | 261407   | 160.89 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 1387832  | 96.33  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.95 | 244  | 1357059  | 90.98  | ng    | 0.00     |

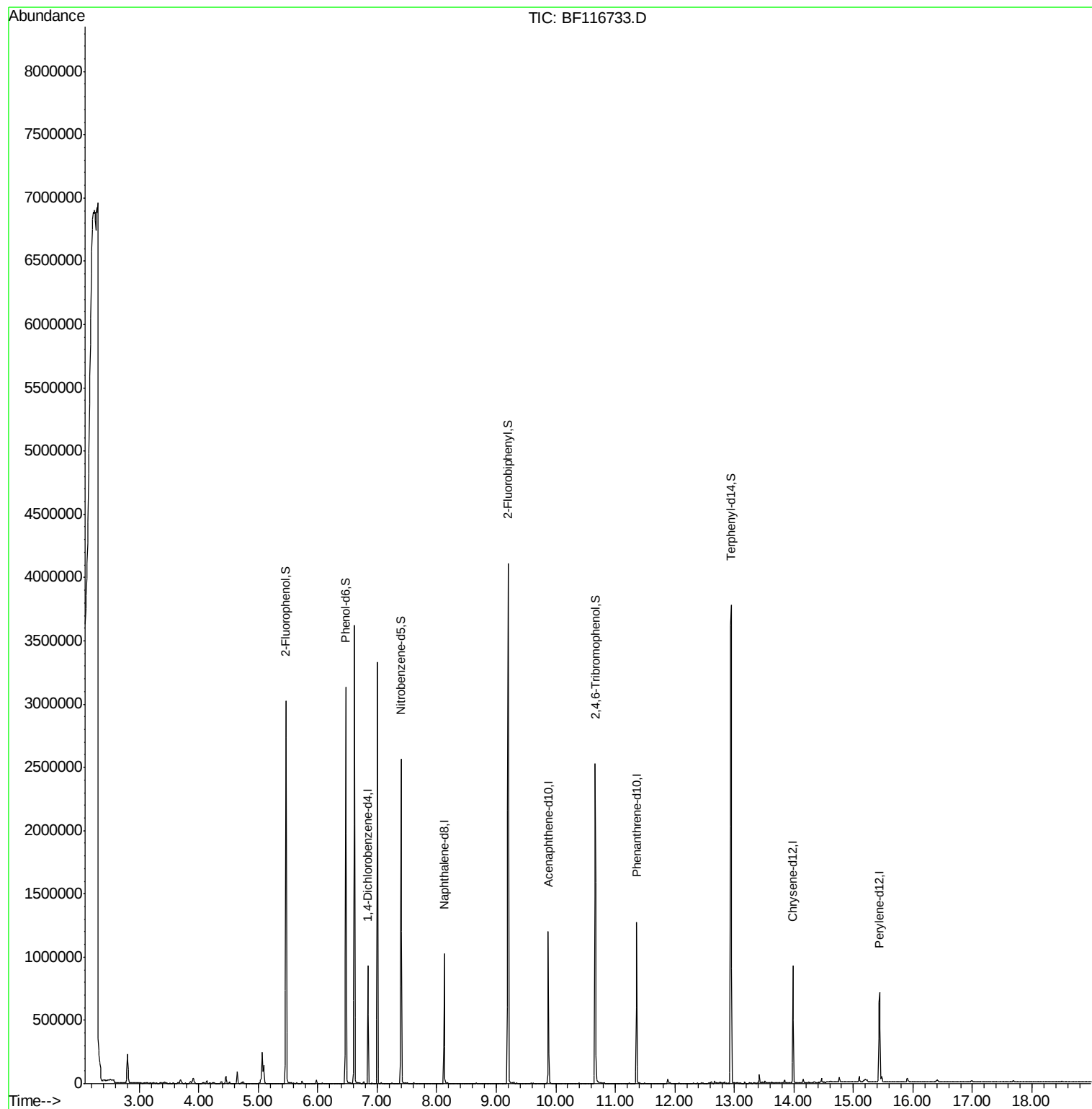
Target Compounds Qvalue

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\  
Data File : BF116733.D  
Acq On : 1 Sep 2019 8:36  
Operator : HP/JU  
Sample : K4527-40  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
T9-12-13-Q2-Q4

Quant Time: Sep 02 06:48:17 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 30 20:02:30 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

Instrument :

BNA\_F

ClientSampleId :

T9-12-13-Q2-Q4

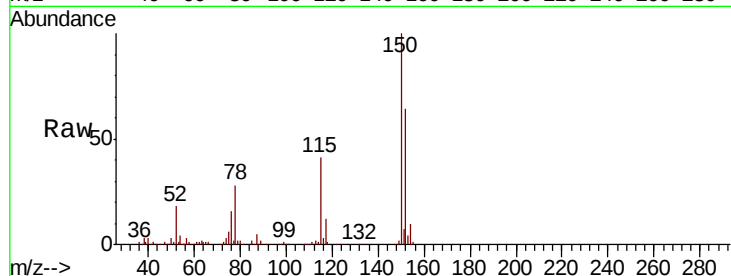
Tot Ion:152 Resp: 123490

Ion Ratio Lower Upper

152 100

150 156.2 124.4 186.6

115 63.9 49.9 74.9

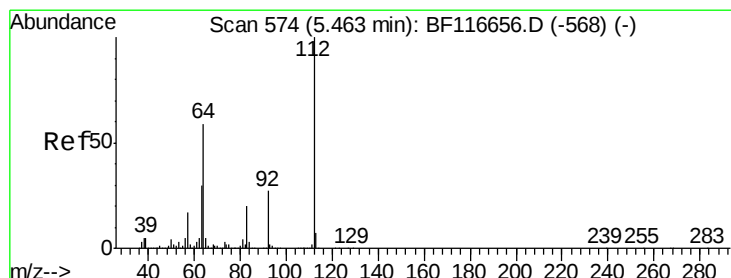
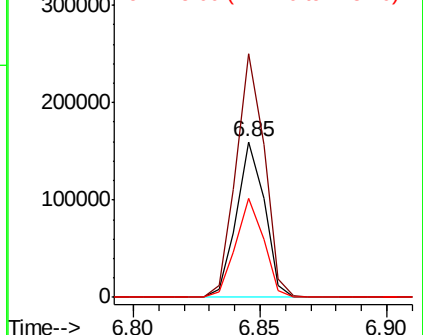
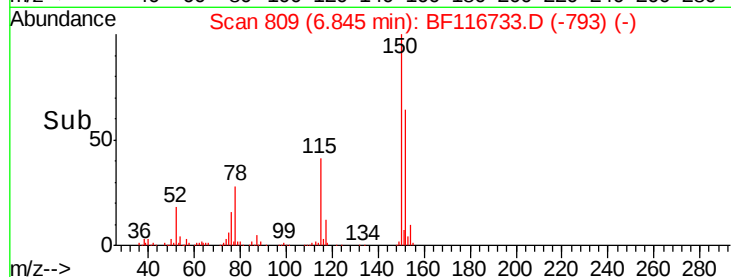


Abundance

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: 123.698 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.01 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

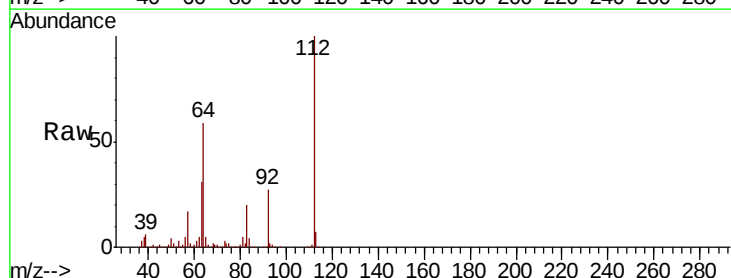
Tgt Ion:112 Resp: 942898

Ion Ratio Lower Upper

112 100

64 59.0 47.1 70.7

63 30.7 24.9 37.3

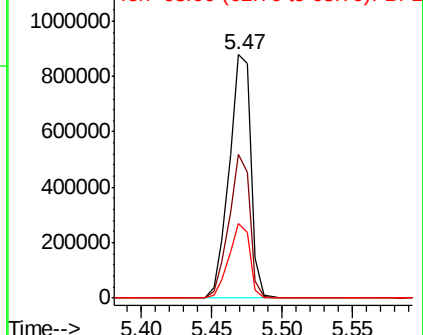
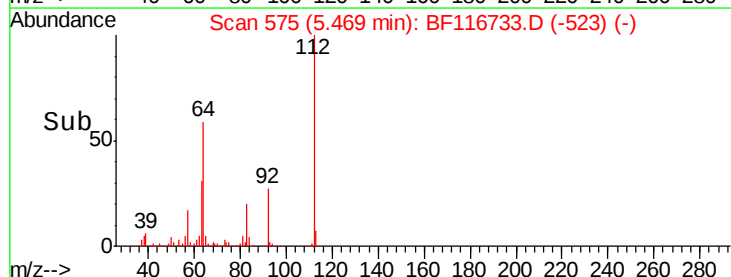


Abundance

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: 115.293 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

Instrument :

BNA\_F

ClientSampleId :

T9-12-13-Q2-Q4

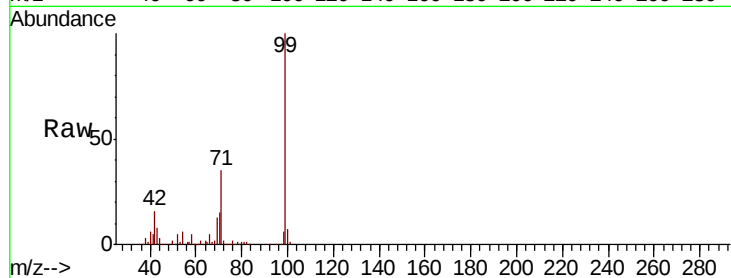
Tot Ion: 99 Resp: 1153997

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.6  | 13.7  | 20.5  |
| 71  | 35.5  | 30.8  | 46.2  |

99 100

42 15.6 13.7 20.5

71 35.5 30.8 46.2

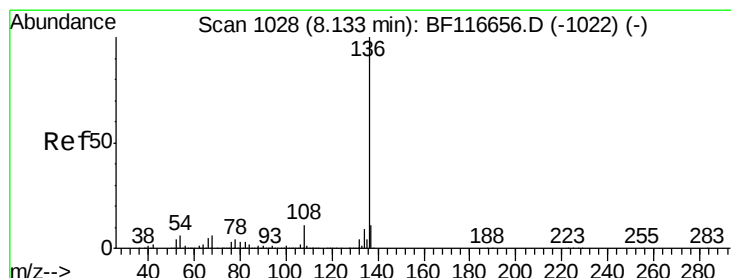
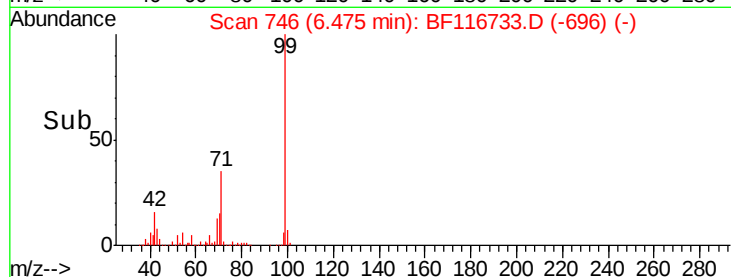
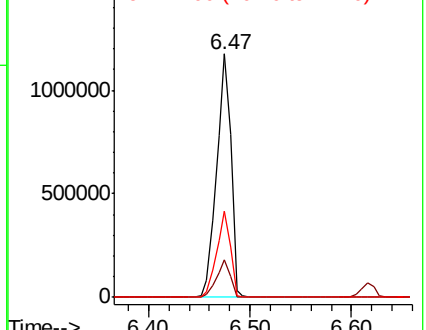


Abundance

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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

Tgt Ion: 136 Resp: 476187

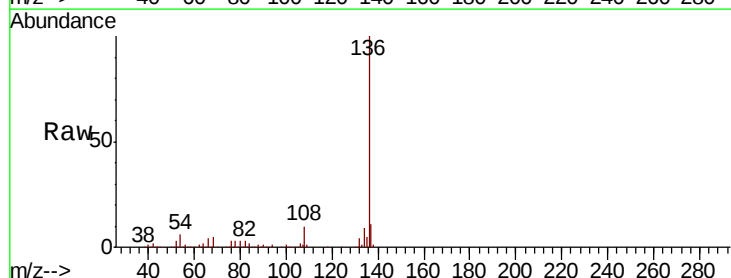
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.9   | 13.3  |
| 54  | 5.7   | 4.8   | 7.2   |
| 68  | 5.4   | 4.0   | 6.0   |

136 100

137 10.6 8.9 13.3

54 5.7 4.8 7.2

68 5.4 4.0 6.0



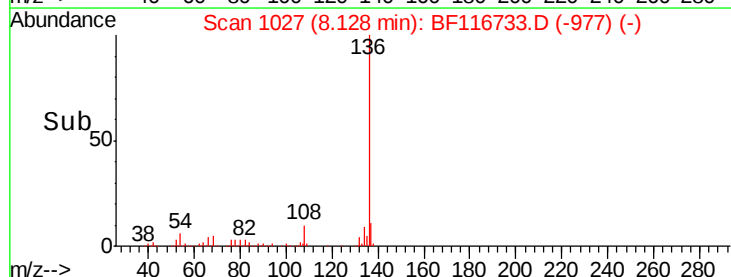
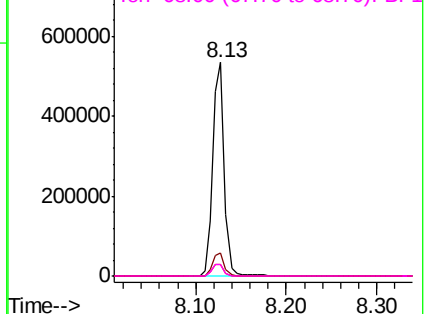
Abundance

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

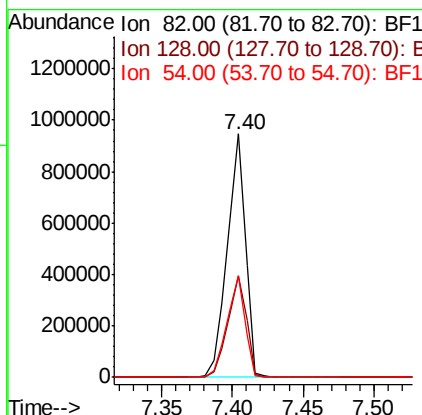
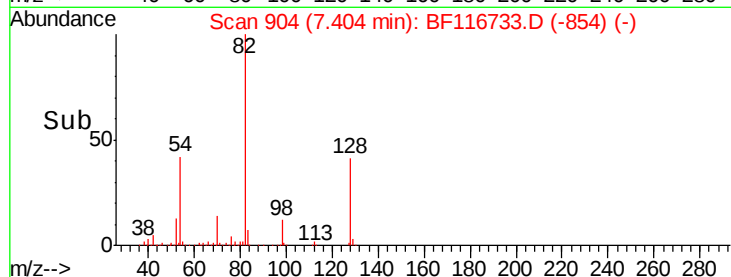
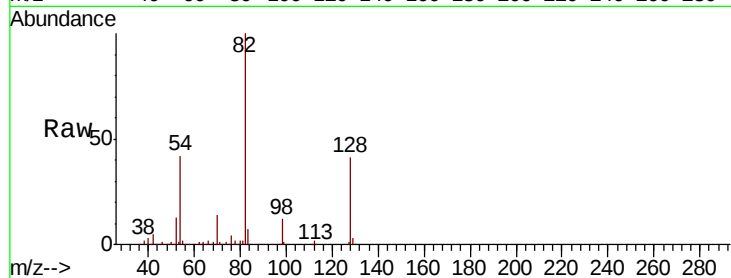




#23  
 Nitrobenzene-d5  
 Concen: 102.379 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.01 min  
 Lab File: BF116733.D  
 Acq: 1 Sep 2019 8:36

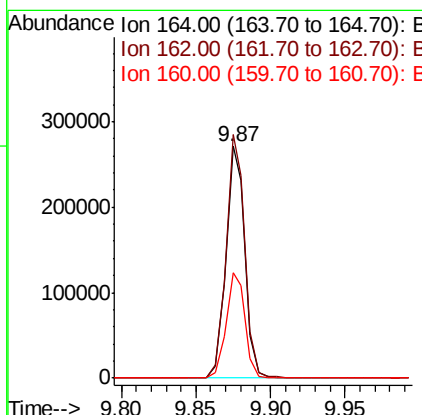
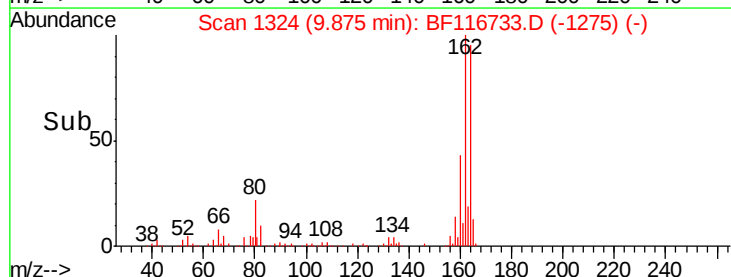
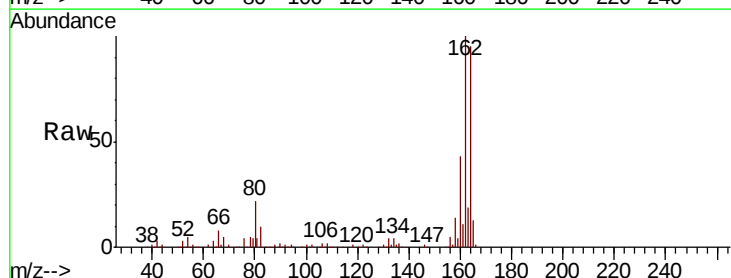
Instrument :  
 BNA\_F  
 ClientSampleId :  
 T9-12-13-Q2-Q4

| Tot Ion   | 82    | Resp  | 853980 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.5  | 32.8  | 49.2   |
| 54        | 41.8  | 36.9  | 55.3   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.01 min  
 Lab File: BF116733.D  
 Acq: 1 Sep 2019 8:36

| Tgt Ion   | 164   | Resp  | 243033 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 105.0 | 81.4  | 122.0  |
| 160       | 45.3  | 35.4  | 53.2   |

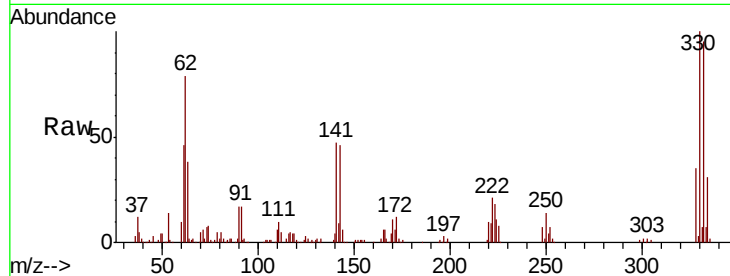




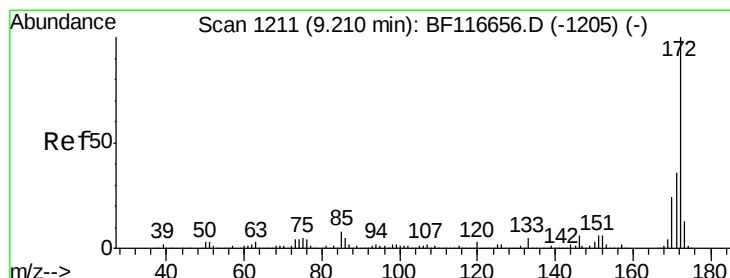
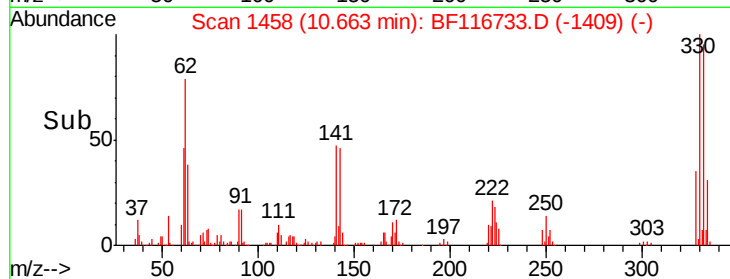
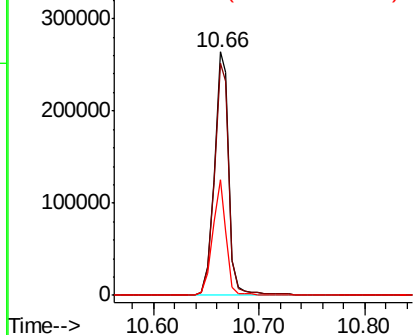
#42  
 2,4,6-Tribromophenol  
 Concen: 160.893 ng  
 RT: 10.66 min Scan# 1458  
 Delta R.T. -0.01 min  
 Lab File: BF116733.D  
 Acq: 1 Sep 2019 8:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T9-12-13-Q2-Q4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 76.9  | 115.3 |
| 141     | 43.6  | 31.4  | 47.2  |

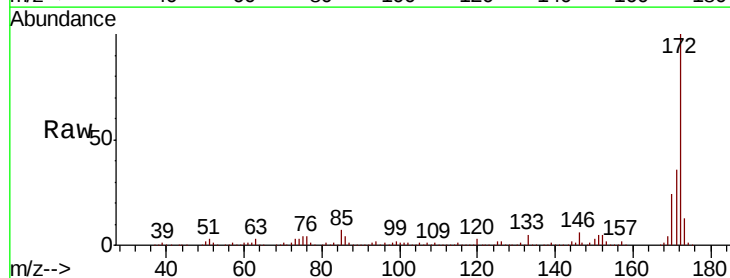


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

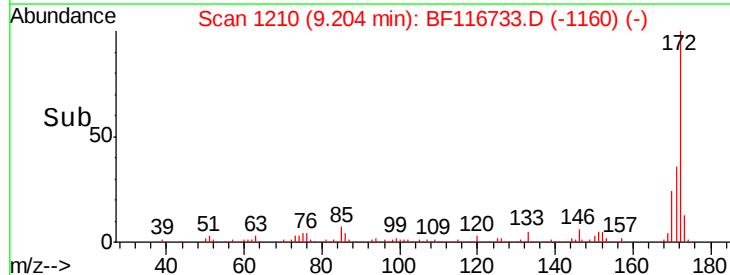
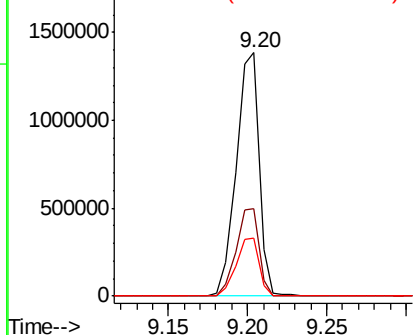


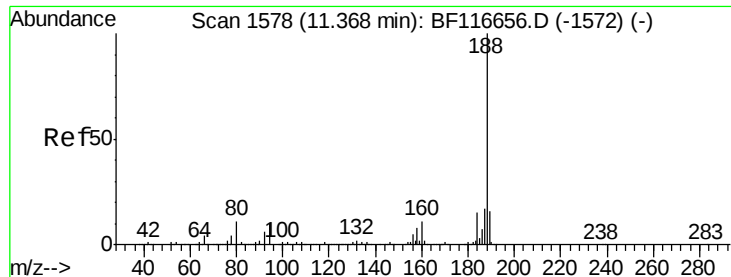
#45  
 2-Fluorobiphenyl  
 Concen: 96.330 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.00 min  
 Lab File: BF116733.D  
 Acq: 1 Sep 2019 8:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 27.8  | 41.6  |
| 170     | 23.7  | 18.9  | 28.3  |



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: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

Instrument :

BNA\_F

ClientSampleId :

T9-12-13-Q2-Q4

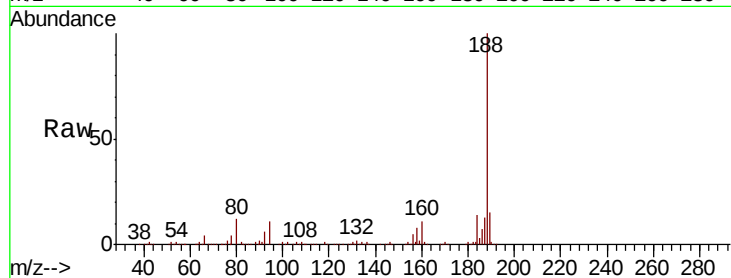
Tot Ion:188 Resp: 403351

Ion Ratio Lower Upper

188 100

94 11.2 7.3 10.9#

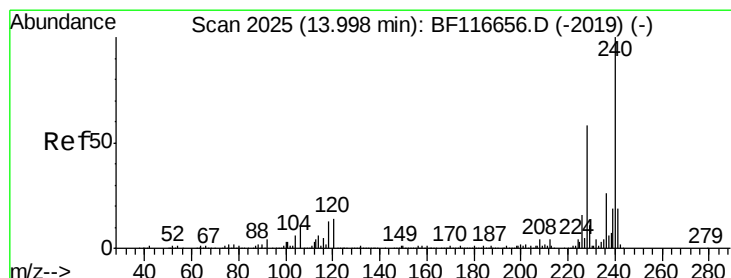
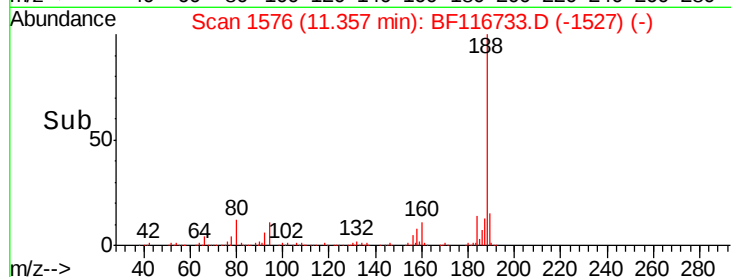
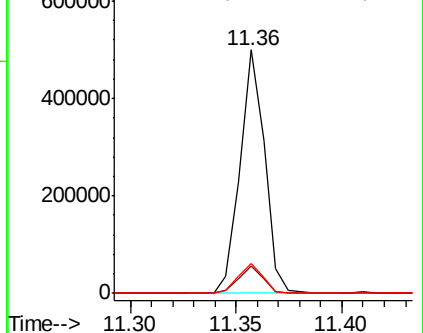
80 12.1 8.4 12.6



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: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

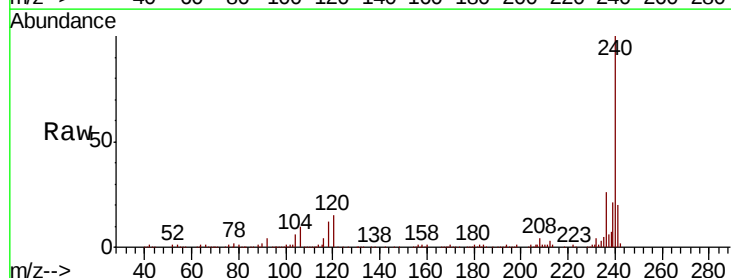
Tgt Ion:240 Resp: 275931

Ion Ratio Lower Upper

240 100

120 14.6 9.1 13.7#

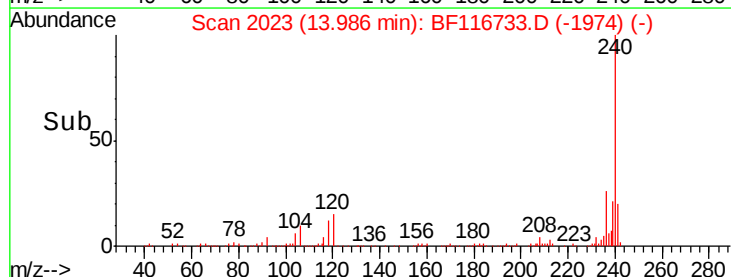
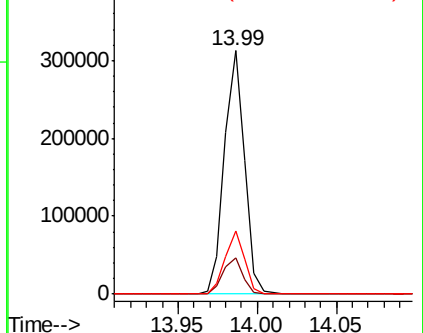
236 25.7 21.1 31.7

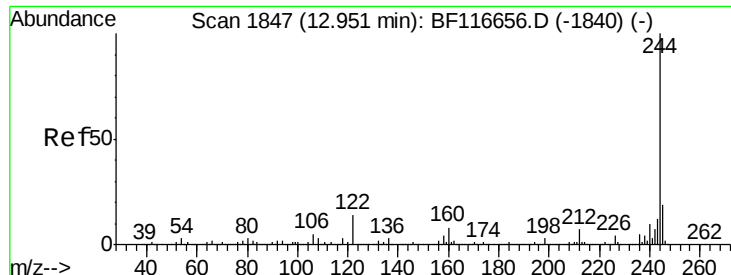


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

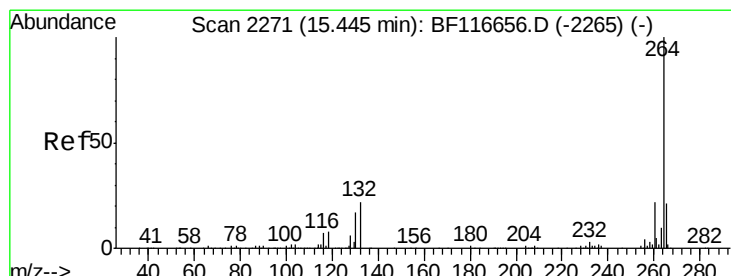
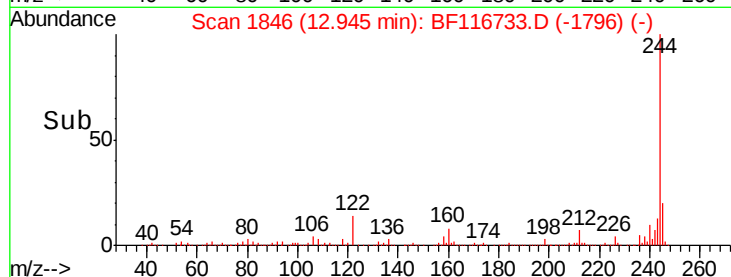
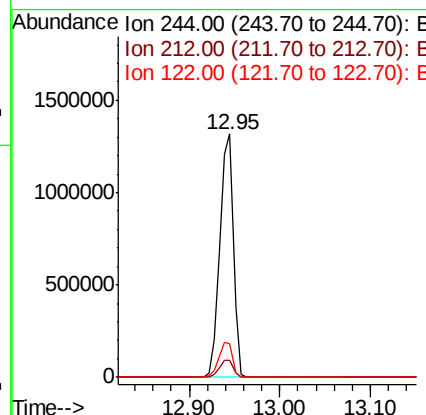
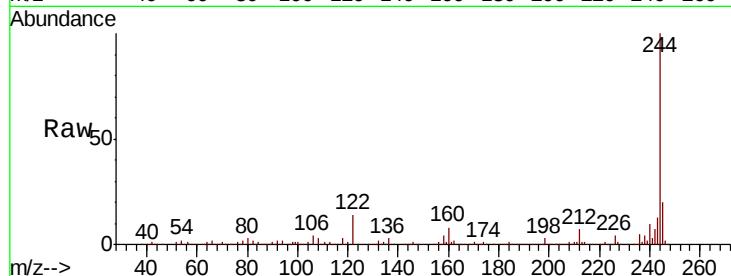




#79  
 Terphenyl-d14  
 Concen: 90.982 ng  
 RT: 12.95 min Scan# 1846  
 Delta R.T. -0.01 min  
 Lab File: BF116733.D  
 Acq: 1 Sep 2019 8:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T9-12-13-Q2-Q4

Tot Ion:244 Resp: 1357059  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.1 9.1  
 122 13.8 10.2 15.4



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.44 min Scan# 2270  
 Delta R.T. -0.01 min  
 Lab File: BF116733.D  
 Acq: 1 Sep 2019 8:36

Tgt Ion:264 Resp: 314302  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 18.3 27.5  
 265 21.6 16.5 24.7

