

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\  
 Data File : BF116778.D  
 Acq On : 3 Sep 2019 17:52  
 Operator : HP/JU  
 Sample : K4554-27  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-6-(0-2)

Quant Time: Sep 04 06:53:15 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

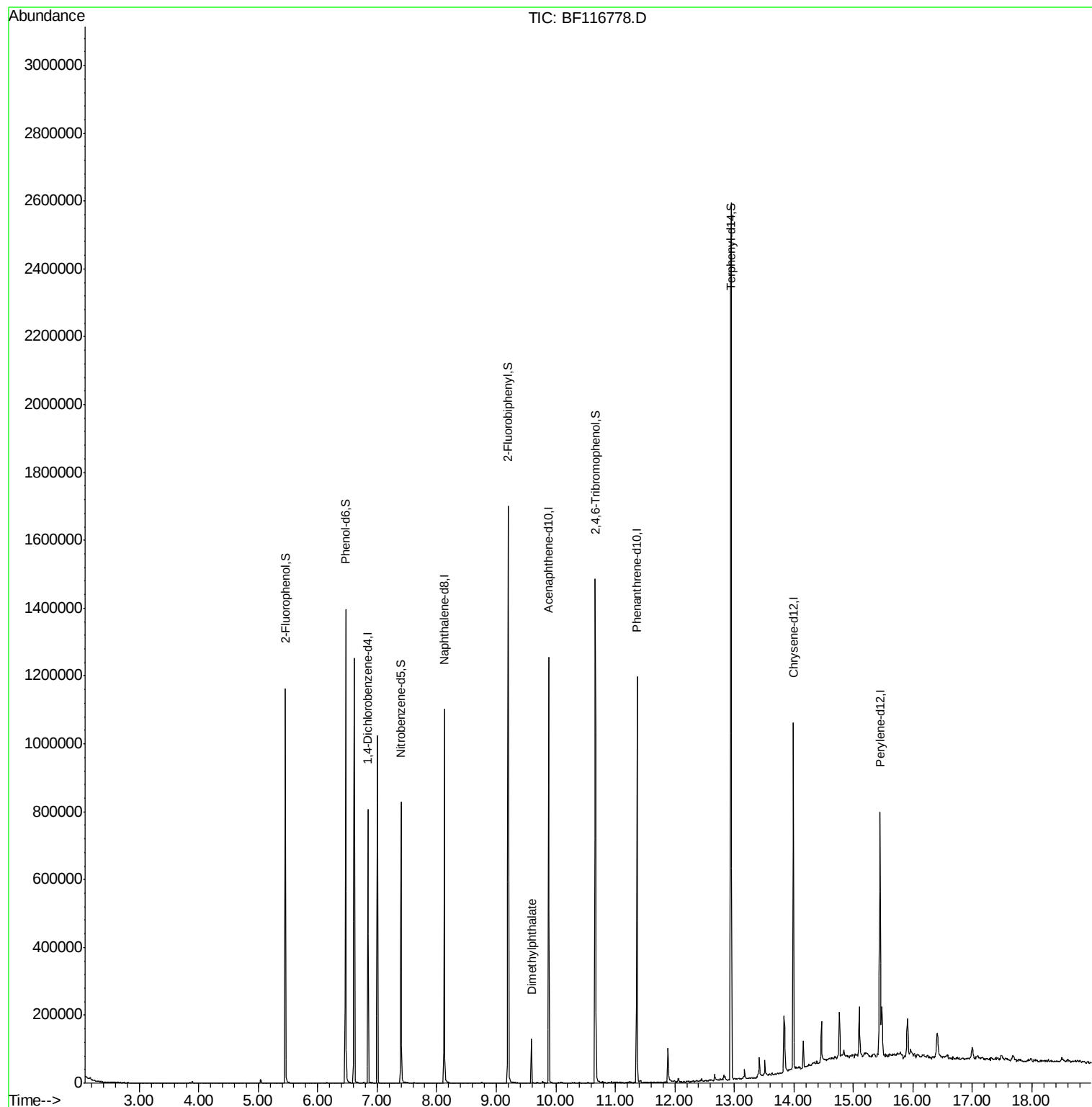
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 109953   | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.13  | 136  | 453046   | 20.00 | ng    | 0.00         |
| 39) Acenaphthene-d10        | 9.88  | 164  | 235713   | 20.00 | ng    | 0.00         |
| 64) Phenanthrene-d10        | 11.36 | 188  | 399084   | 20.00 | ng    | 0.00         |
| 76) Chrysene-d12            | 13.99 | 240  | 299504   | 20.00 | ng    | 0.00         |
| 87) Perylene-d12            | 15.44 | 264  | 315068   | 20.00 | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.46  | 112  | 312235   | 46.00 | ng    | 0.00         |
| 7) Phenol-d6                | 6.47  | 99   | 439650   | 49.33 | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 262459   | 33.07 | ng    | -0.01        |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330  | 154205   | 97.86 | ng    | -0.01        |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 519823   | 37.20 | ng    | -0.01        |
| 79) Terphenyl-d14           | 12.94 | 244  | 855350   | 52.83 | ng    | 0.00         |
| Target Compounds            |       |      |          |       |       |              |
| 50) Dimethylphthalate       | 9.59  | 163  | 54369    | 3.341 | ng    | Qvalue<br>97 |

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

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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: BF116778.D

Acq: 3 Sep 2019 17:52

Instrument :

BNA\_F

ClientSampleId :

SB-6-(0-2)

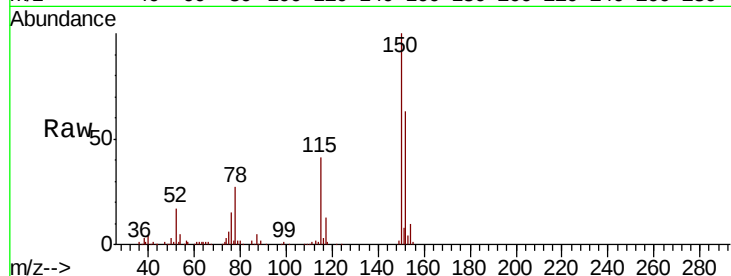
Tot Ion:152 Resp: 109953

Ion Ratio Lower Upper

152 100

150 157.5 124.4 186.6

115 64.2 49.9 74.9

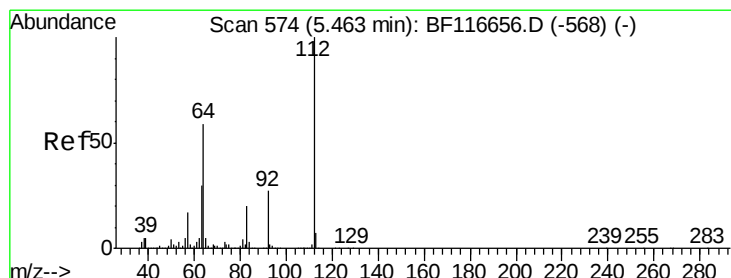
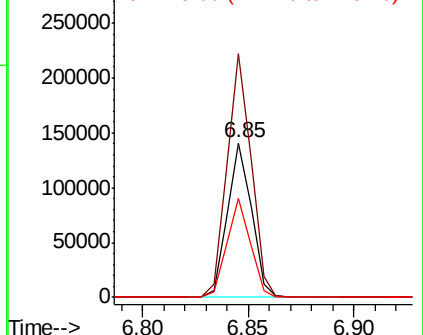
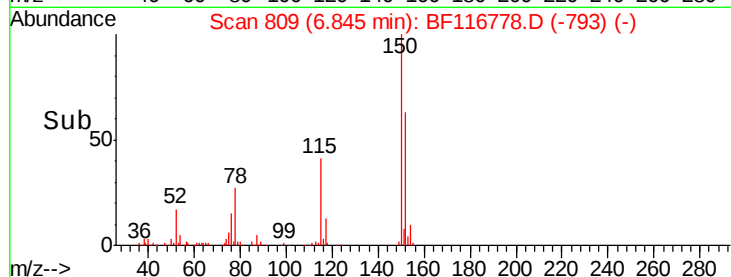


Abundance

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: 46.005 ng

RT: 5.46 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF116778.D

Acq: 3 Sep 2019 17:52

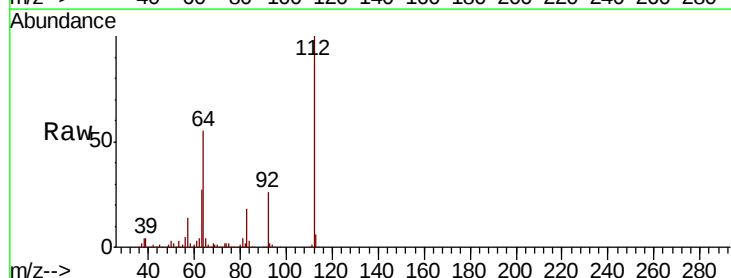
Tgt Ion:112 Resp: 312235

Ion Ratio Lower Upper

112 100

64 54.7 47.1 70.7

63 27.0 24.9 37.3

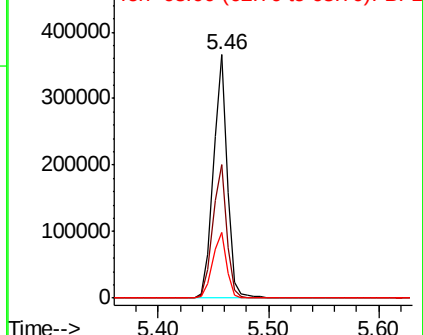
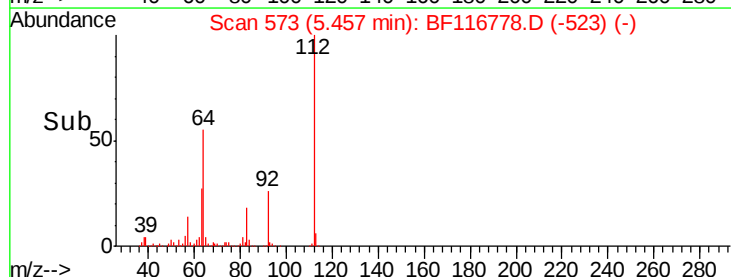


Abundance

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: 49.332 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116778.D

Acq: 3 Sep 2019 17:52

Instrument :

BNA\_F

ClientSampleId :

SB-6-(0-2)

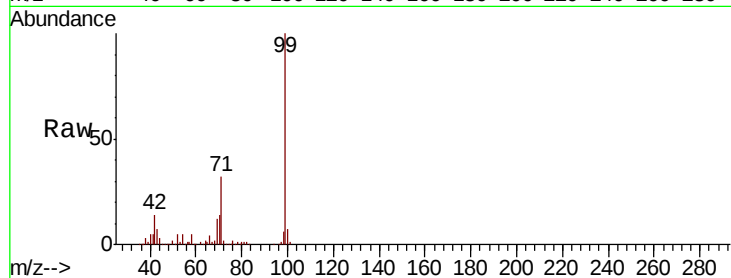
Tot Ion: 99 Resp: 439650

Ion Ratio Lower Upper

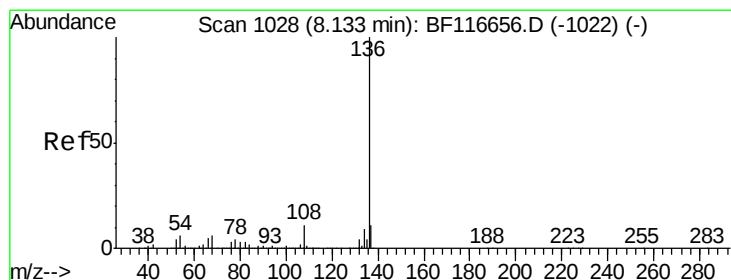
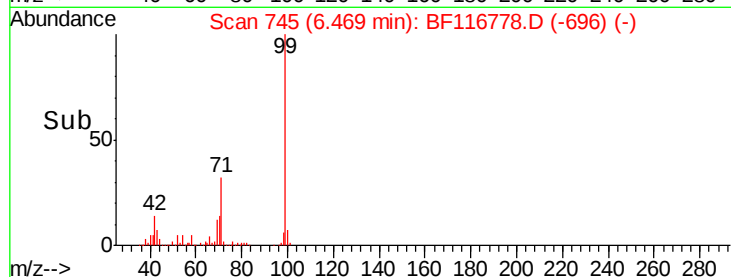
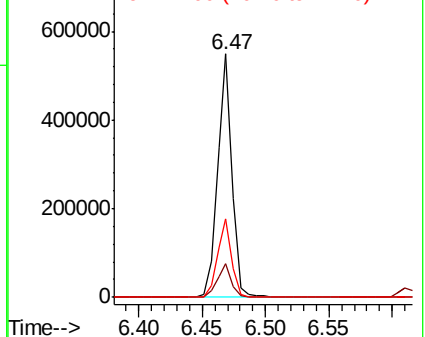
99 100

42 14.0 13.7 20.5

71 32.5 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: BF116778.D

Acq: 3 Sep 2019 17:52

Tgt Ion: 136 Resp: 453046

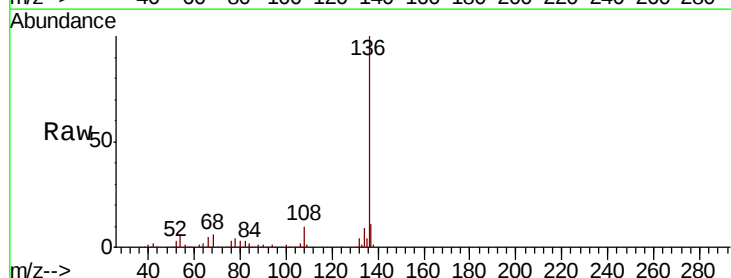
Ion Ratio Lower Upper

136 100

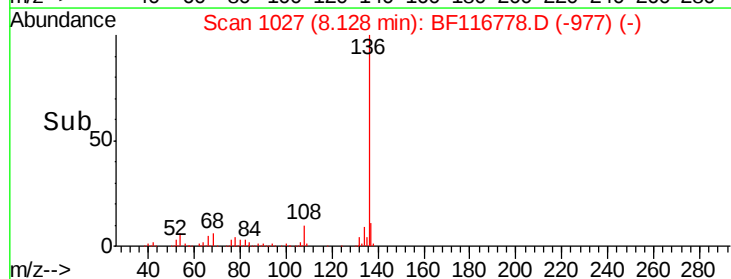
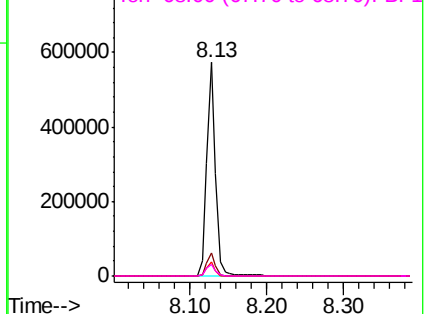
137 10.6 8.9 13.3

54 6.3 4.8 7.2

68 5.5 4.0 6.0



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

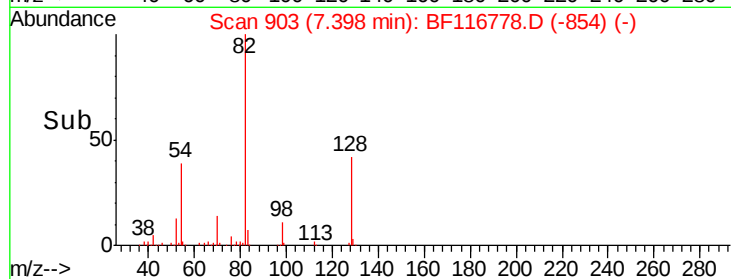
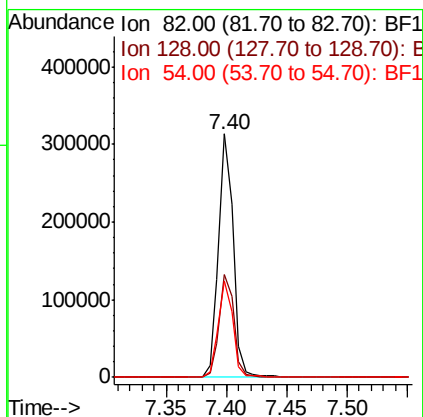
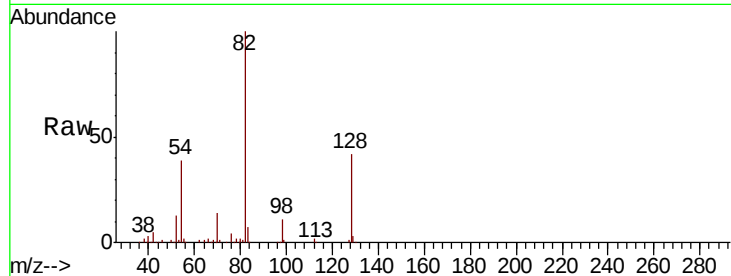




#23  
 Nitrobenzene-d5  
 Concen: 33.072 ng  
 RT: 7.40 min Scan# 903  
 Delta R.T. -0.01 min  
 Lab File: BF116778.D  
 Acq: 3 Sep 2019 17:52

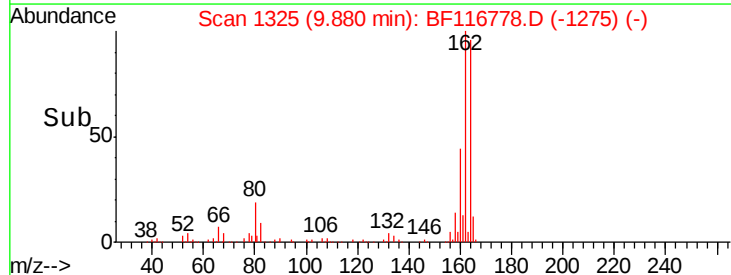
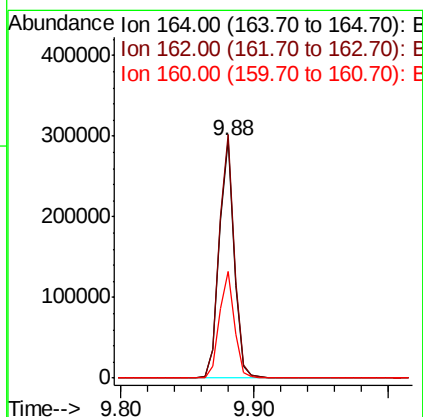
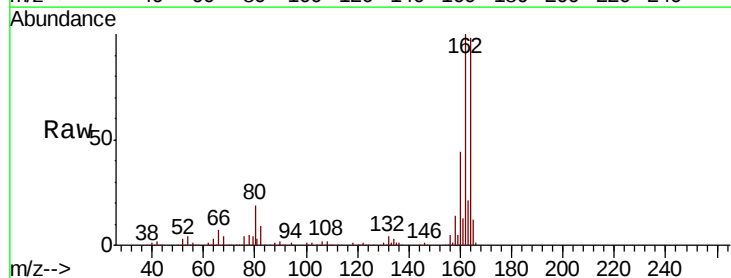
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-6-(0-2)

| Tot Ion   | 82    | Resp  | 262459 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.2  | 32.8  | 49.2   |
| 54        | 39.4  | 36.9  | 55.3   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.88 min Scan# 1325  
 Delta R.T. -0.01 min  
 Lab File: BF116778.D  
 Acq: 3 Sep 2019 17:52

| Tgt Ion   | 164   | Resp  | 235713 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.3 | 81.4  | 122.0  |
| 160       | 44.6  | 35.4  | 53.2   |





#42

2,4,6-Tribromophenol

Concen: 97.859 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116778.D

Acq: 3 Sep 2019 17:52

Instrument :

BNA\_F

ClientSampleId :

SB-6-(0-2)

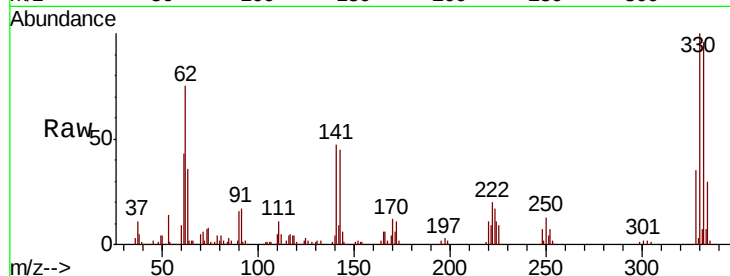
Tot Ion:330 Resp: 154205

Ion Ratio Lower Upper

330 100

332 95.7 76.9 115.3

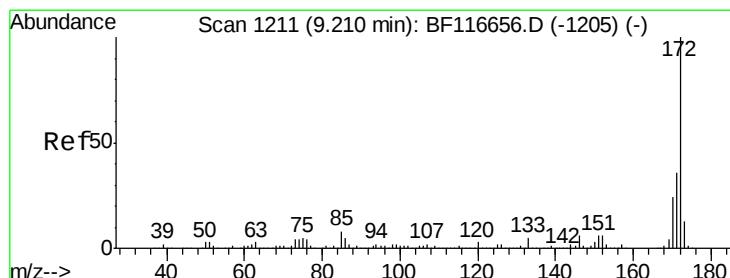
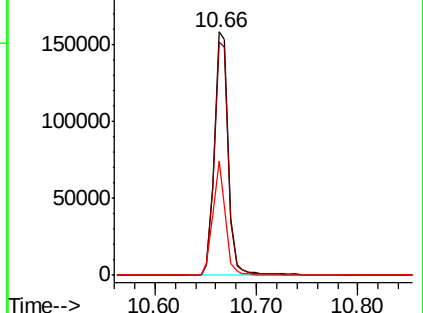
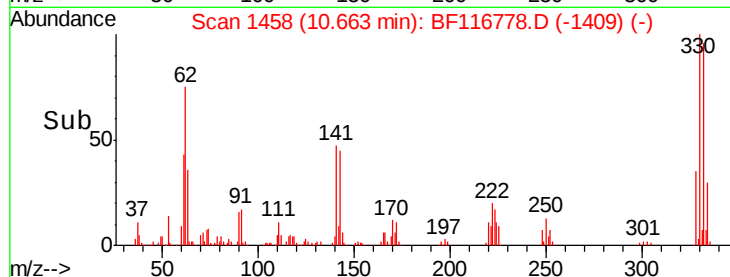
141 42.0 31.4 47.2



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: 37.201 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116778.D

Acq: 3 Sep 2019 17:52

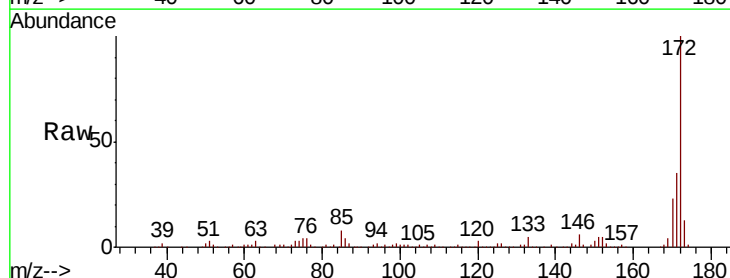
Tgt Ion:172 Resp: 519823

Ion Ratio Lower Upper

172 100

171 34.7 27.8 41.6

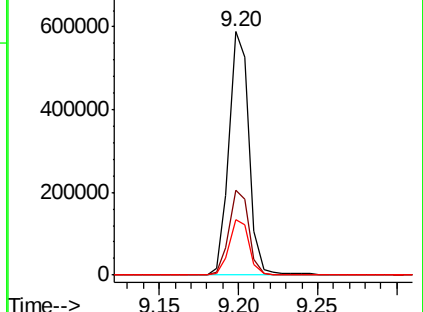
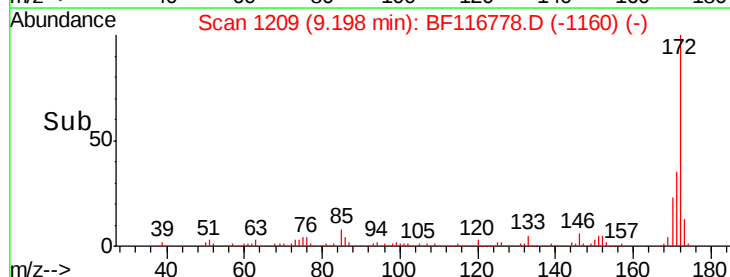
170 22.6 18.9 28.3



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

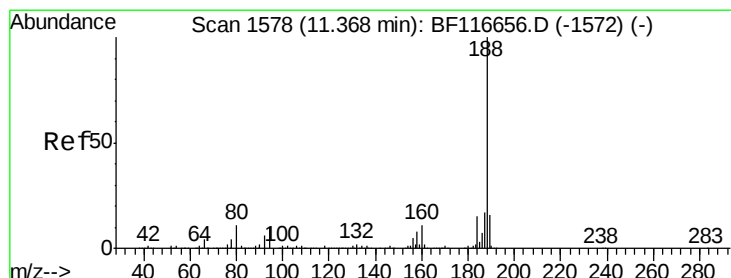
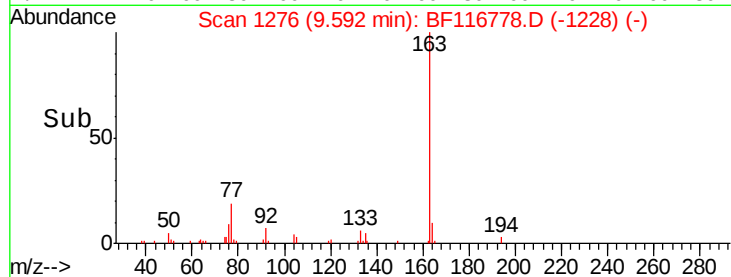
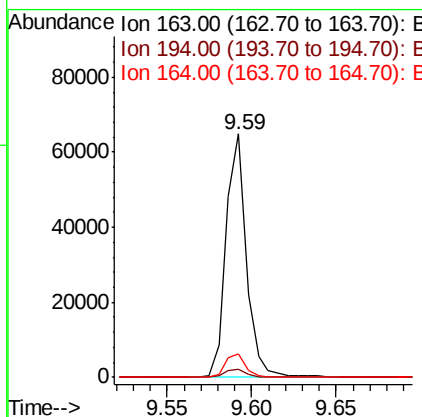
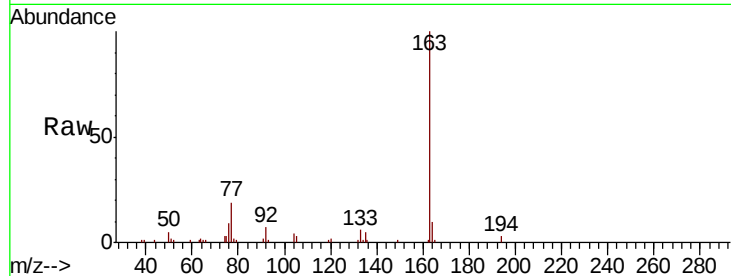




#50  
Dimethylphthalate  
Concen: 3.341 ng  
RT: 9.59 min Scan# 1276  
Delta R.T. -0.02 min  
Lab File: BF116778.D  
Acq: 3 Sep 2019 17:52

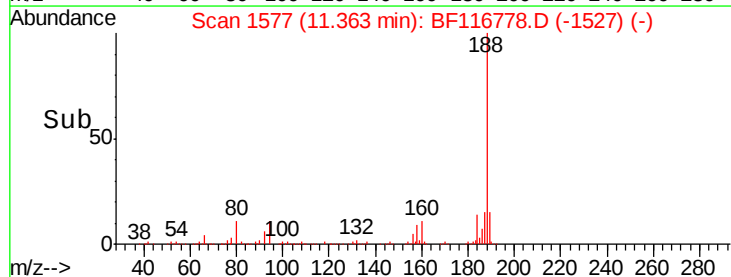
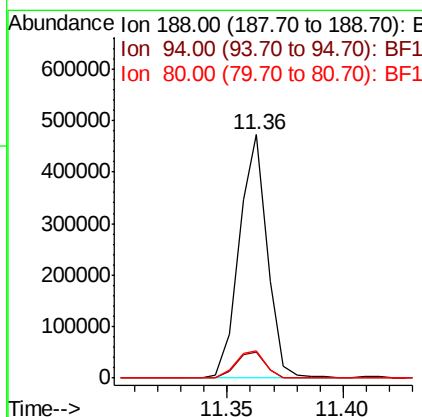
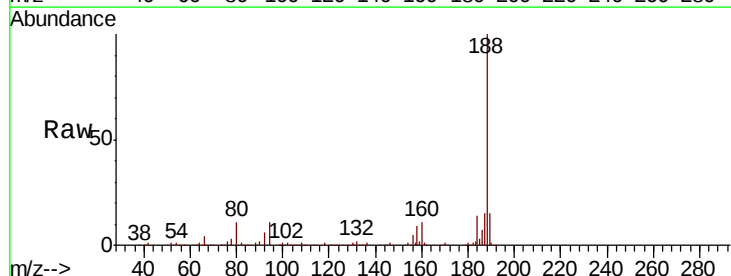
Instrument :  
BNA\_F  
ClientSampleId :  
SB-6-(0-2)

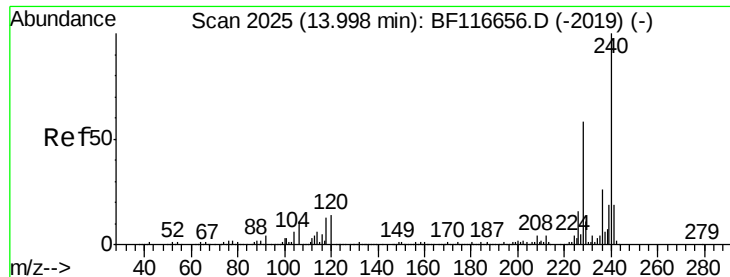
Tot Ion:163 Resp: 54369  
Ion Ratio Lower Upper  
163 100  
194 3.1 2.8 4.2  
164 9.6 8.6 12.8



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1577  
Delta R.T. -0.01 min  
Lab File: BF116778.D  
Acq: 3 Sep 2019 17:52

Tgt Ion:188 Resp: 399084  
Ion Ratio Lower Upper  
188 100  
94 10.5 7.3 10.9  
80 11.0 8.4 12.6

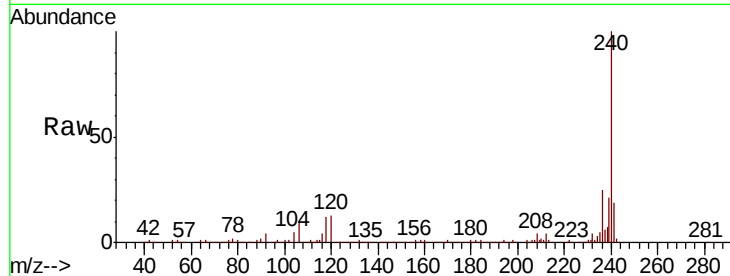




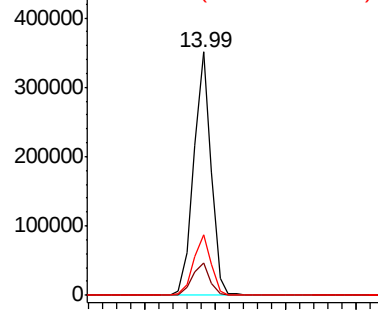
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.99 min Scan# 2024  
 Delta R.T. -0.01 min  
 Lab File: BF116778.D  
 Acq: 3 Sep 2019 17:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-6-(0-2)

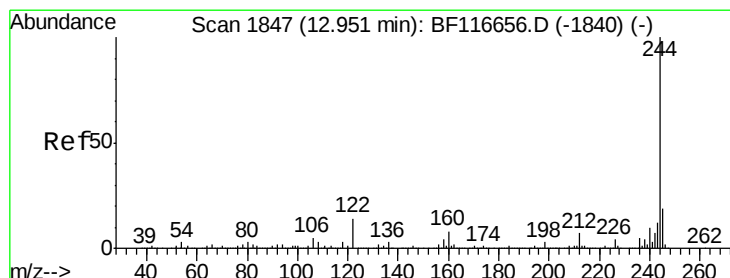
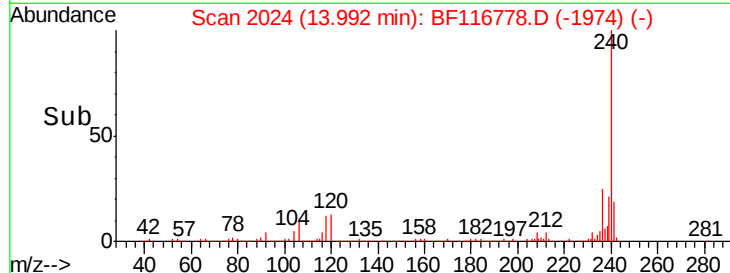
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.3  | 9.1   | 13.7  |
| 236     | 25.1  | 21.1  | 31.7  |



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

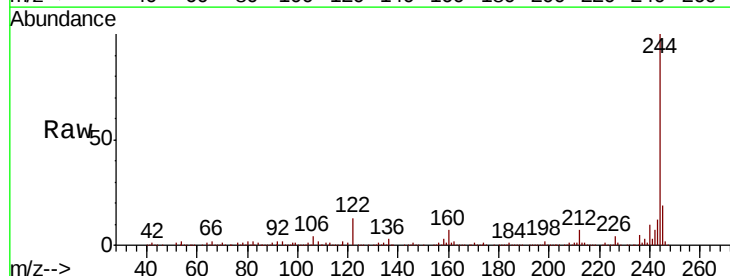


Time-->

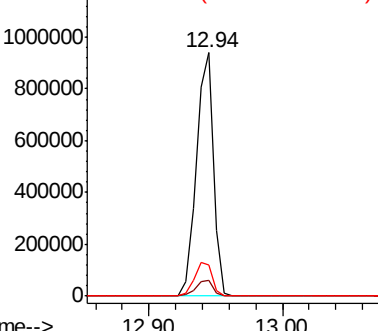


#79  
 Terphenyl-d14  
 Concen: 52.832 ng  
 RT: 12.94 min Scan# 1846  
 Delta R.T. -0.01 min  
 Lab File: BF116778.D  
 Acq: 3 Sep 2019 17:52

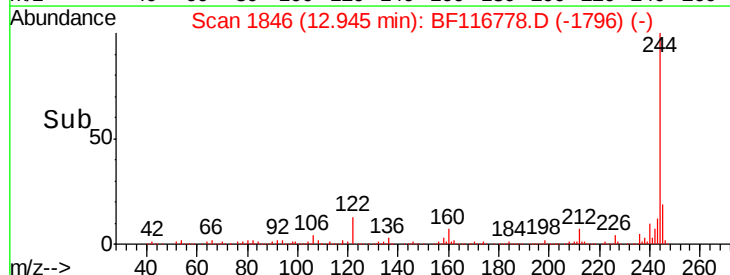
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.7   | 6.1   | 9.1   |
| 122     | 12.8  | 10.2  | 15.4  |

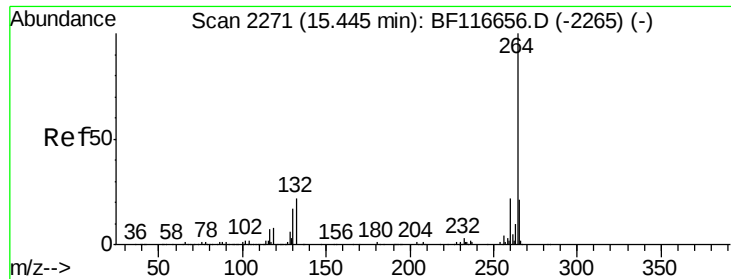


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



Time-->

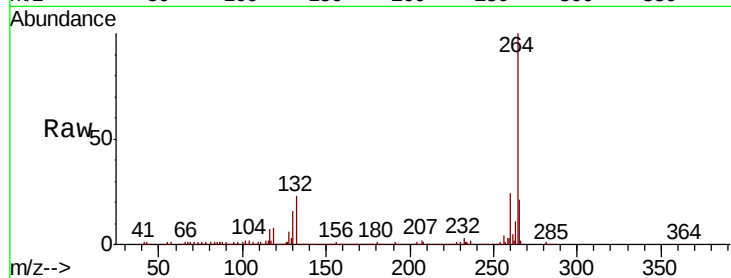




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.44 min Scan# 2271  
Delta R.T. 0.00 min  
Lab File: BF116778.D  
Acq: 3 Sep 2019 17:52

Instrument :  
BNA\_F  
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SB-6-(0-2)

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 264     | 100  |       |       |       |
| 260     | 23.8 | 18.3  | 27.5  |       |
| 265     | 21.4 | 16.5  | 24.7  |       |



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

