

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\  
 Data File : BF116704.D  
 Acq On : 31 Aug 2019 17:28  
 Operator : HP/JU  
 Sample : K4619-24  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP8-COMP

Quant Time: Sep 01 00:58:51 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

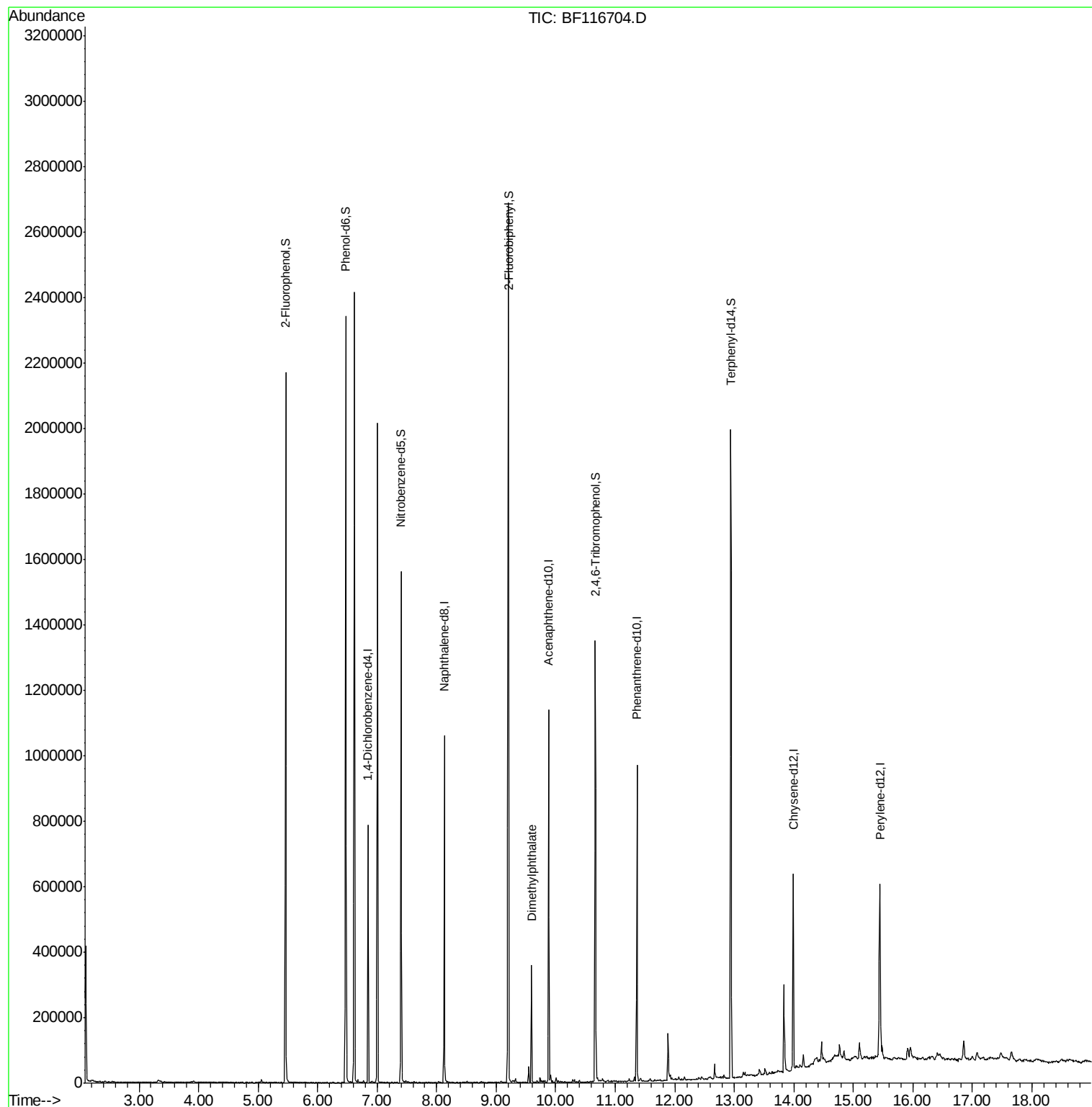
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 105509   | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.13  | 136  | 417561   | 20.00 | ng    | 0.00         |
| 39) Acenaphthene-d10        | 9.88  | 164  | 205077   | 20.00 | ng    | 0.00         |
| 64) Phenanthrene-d10        | 11.36 | 188  | 322158   | 20.00 | ng    | 0.00         |
| 76) Chrysene-d12            | 13.99 | 240  | 192546   | 20.00 | ng    | 0.00         |
| 87) Perylene-d12            | 15.44 | 264  | 235805   | 20.00 | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.46  | 112  | 579043   | 88.91 | ng    | 0.00         |
| 7) Phenol-d6                | 6.47  | 99   | 784725   | 91.76 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 479832   | 65.60 | ng    | 0.00         |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330  | 130480   | 95.17 | ng    | -0.01        |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 784138   | 64.50 | ng    | 0.00         |
| 79) Terphenyl-d14           | 12.94 | 244  | 619660   | 59.54 | ng    | -0.01        |
| Target Compounds            |       |      |          |       |       |              |
| 50) Dimethylphthalate       | 9.59  | 163  | 126287   | 8.920 | ng    | Qvalue<br>97 |

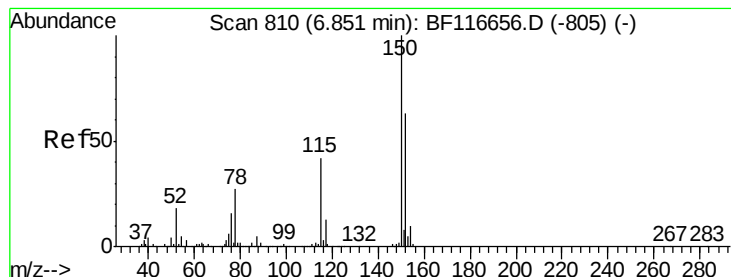
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF116704.D

Acq: 31 Aug 2019 17:28

Instrument :

BNA\_F

ClientSampleId :

TP8-COMP

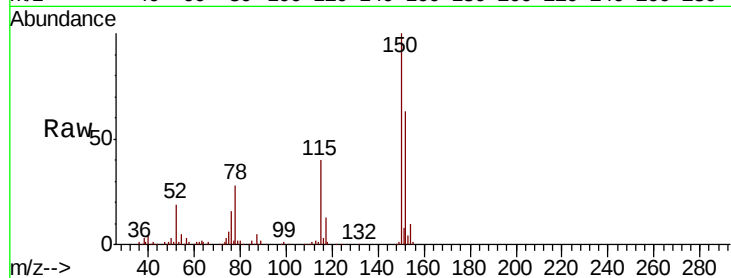
Tot Ion:152 Resp: 105509

Ion Ratio Lower Upper

152 100

150 158.9 124.4 186.6

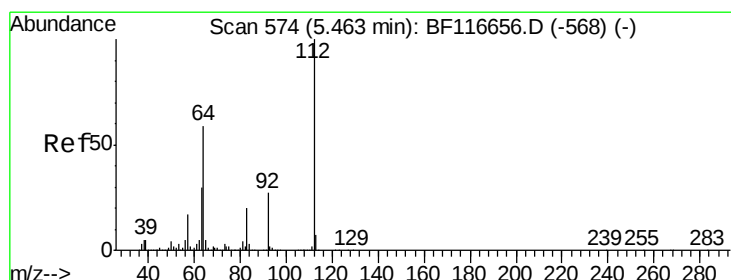
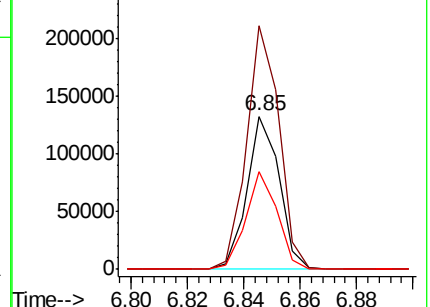
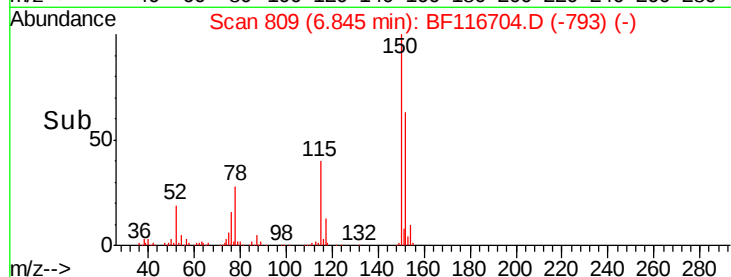
115 64.0 49.9 74.9



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: 88.910 ng

RT: 5.46 min Scan# 574

Delta R.T. 0.00 min

Lab File: BF116704.D

Acq: 31 Aug 2019 17:28

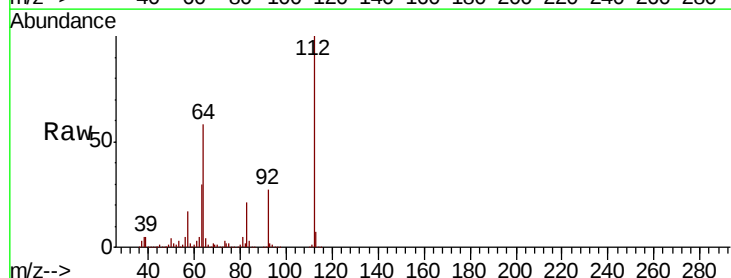
Tgt Ion:112 Resp: 579043

Ion Ratio Lower Upper

112 100

64 58.5 47.1 70.7

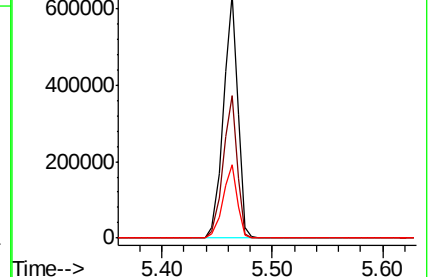
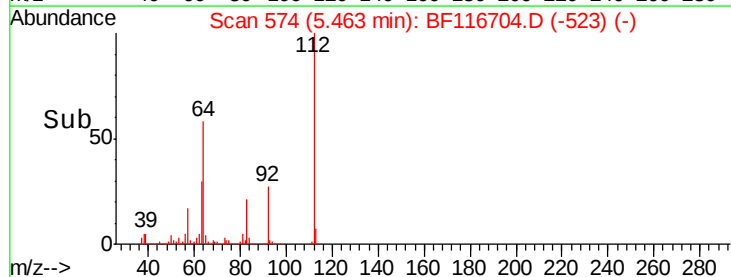
63 30.0 24.9 37.3

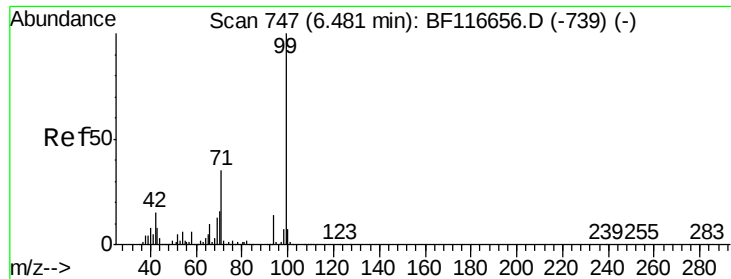


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 91.761 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116704.D

Acq: 31 Aug 2019 17:28

Instrument :

BNA\_F

ClientSampleId :

TP8-COMP

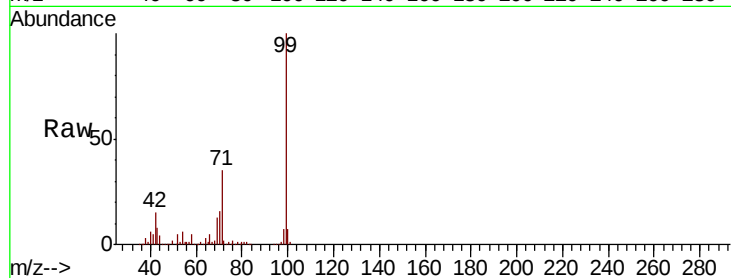
Tot Ion: 99 Resp: 784725

Ion Ratio Lower Upper

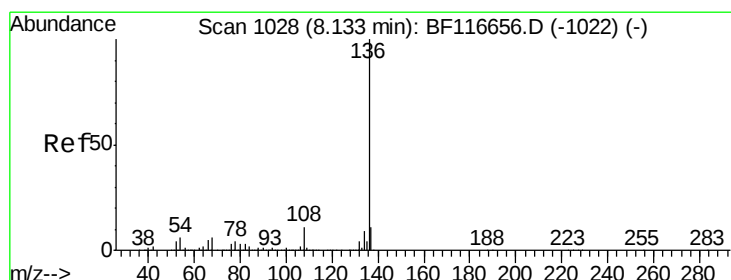
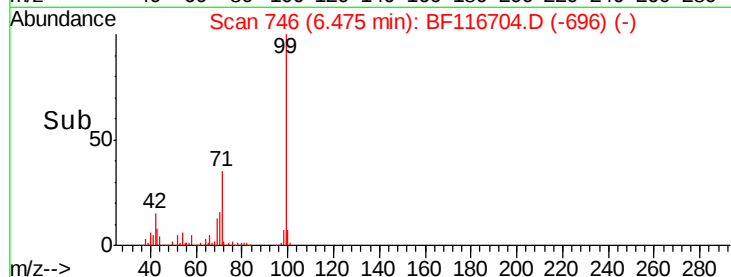
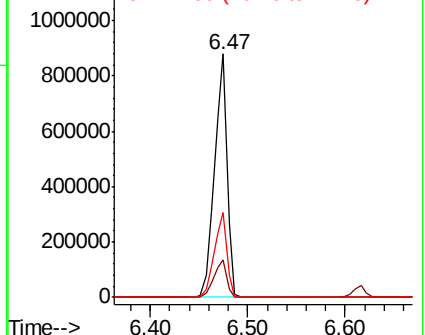
99 100

42 15.2 13.7 20.5

71 35.1 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: BF116704.D

Acq: 31 Aug 2019 17:28

Tgt Ion: 136 Resp: 417561

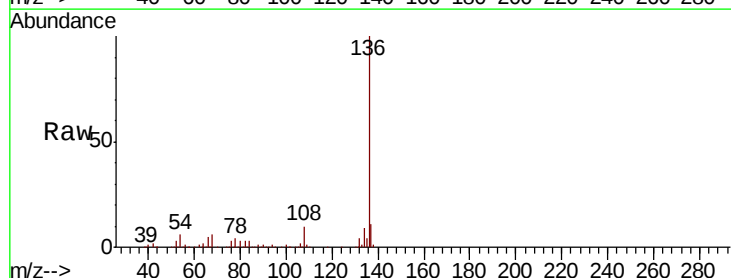
Ion Ratio Lower Upper

136 100

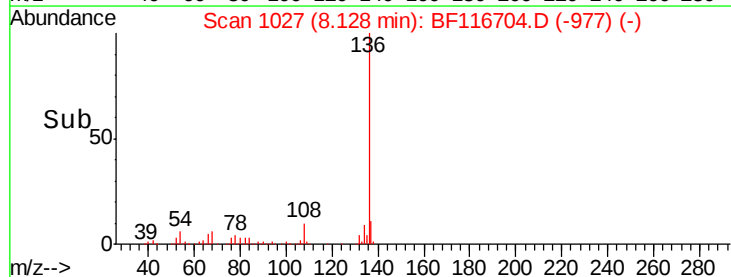
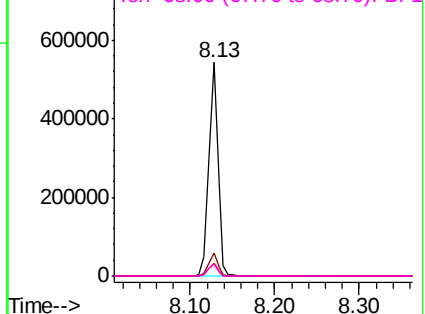
137 10.9 8.9 13.3

54 5.9 4.8 7.2

68 5.7 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

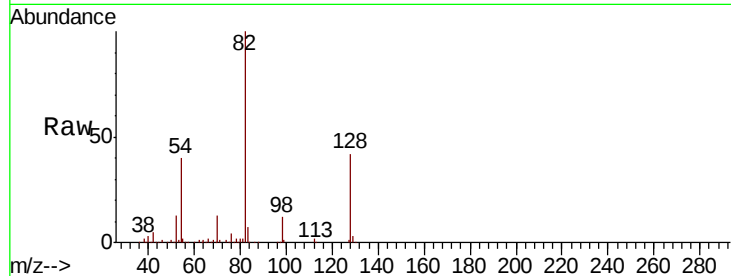




#23  
 Nitrobenzene-d5  
 Concen: 65.601 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.01 min  
 Lab File: BF116704.D  
 Acq: 31 Aug 2019 17:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP8-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.3  | 32.8  | 49.2  |
| 54      | 40.4  | 36.9  | 55.3  |

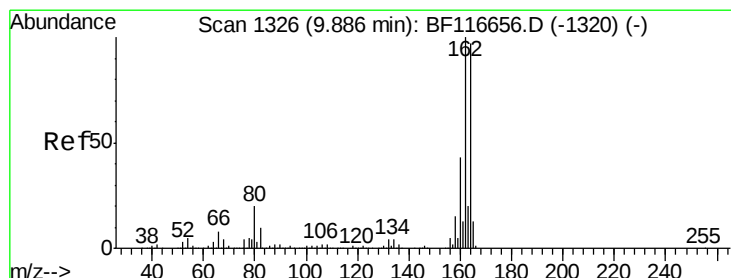
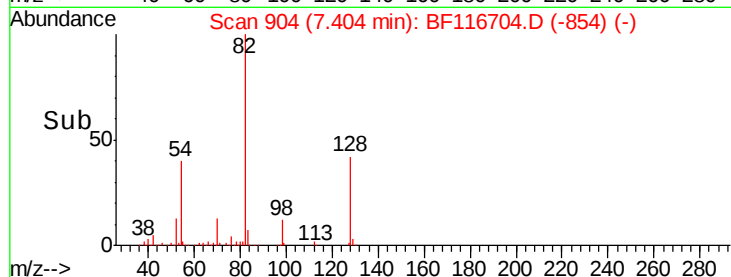
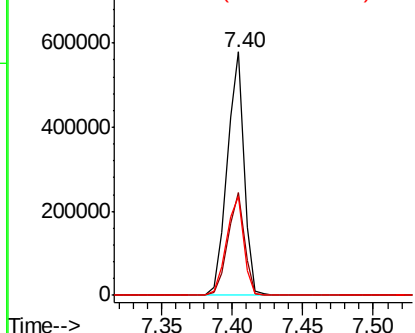


Abundance

Ion 82.00 (81.70 to 82.70): BF1

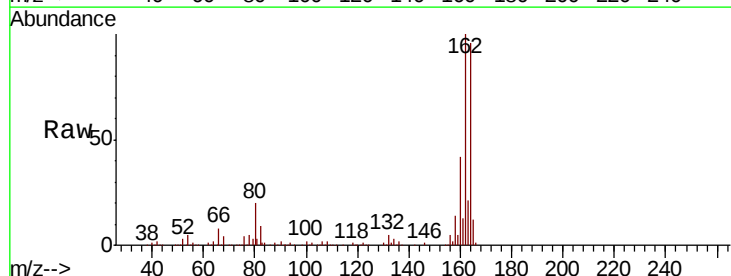
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.88 min Scan# 1325  
 Delta R.T. -0.01 min  
 Lab File: BF116704.D  
 Acq: 31 Aug 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.6 | 81.4  | 122.0 |
| 160     | 43.9  | 35.4  | 53.2  |

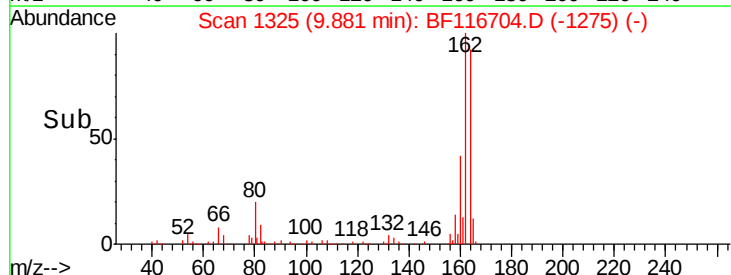
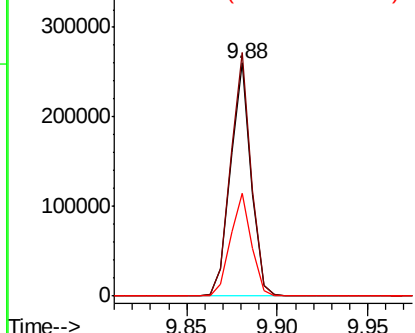


Abundance

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

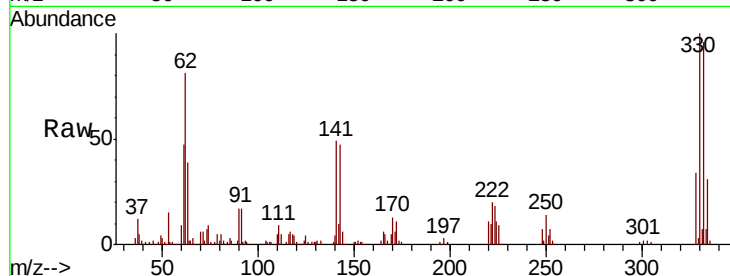




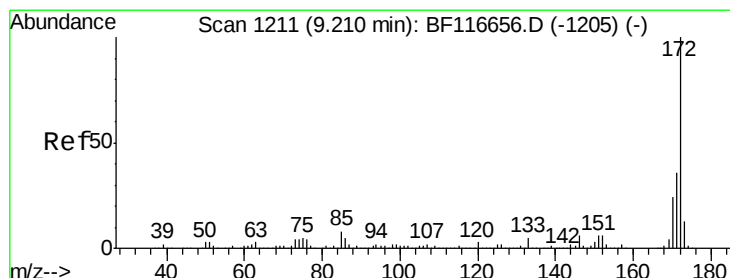
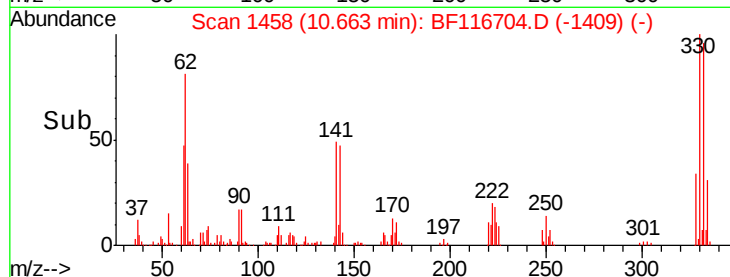
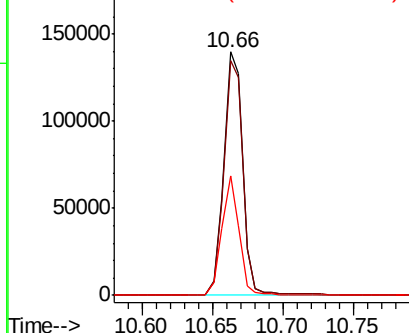
#42  
 2,4,6-Tribromophenol  
 Concen: 95.173 ng  
 RT: 10.66 min Scan# 1458  
 Delta R.T. -0.01 min  
 Lab File: BF116704.D  
 Acq: 31 Aug 2019 17:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP8-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.4  | 76.9  | 115.3 |
| 141     | 44.6  | 31.4  | 47.2  |

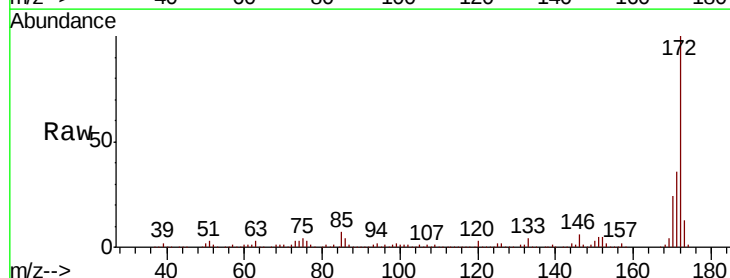


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

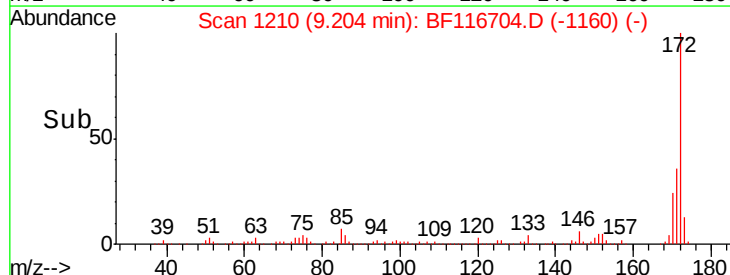
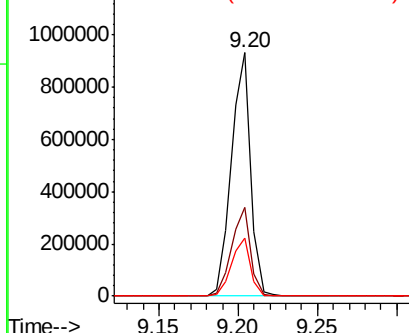


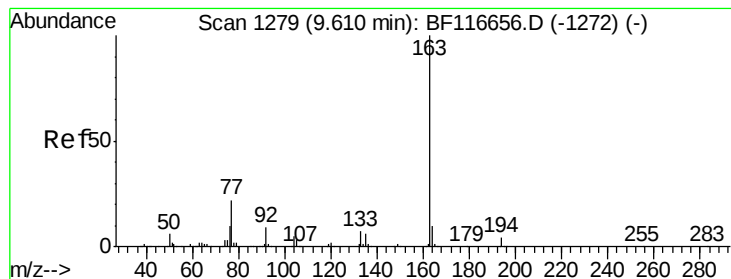
#45  
 2-Fluorobiphenyl  
 Concen: 64.501 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.00 min  
 Lab File: BF116704.D  
 Acq: 31 Aug 2019 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 27.8  | 41.6  |
| 170     | 24.0  | 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: 8.920 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116704.D

Acq: 31 Aug 2019 17:28

Instrument :

BNA\_F

ClientSampleId :

TP8-COMP

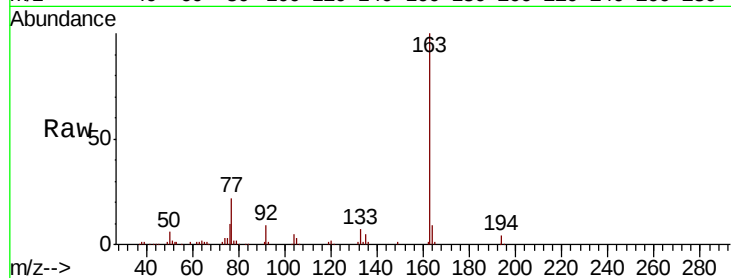
Tot Ion:163 Resp: 126287

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

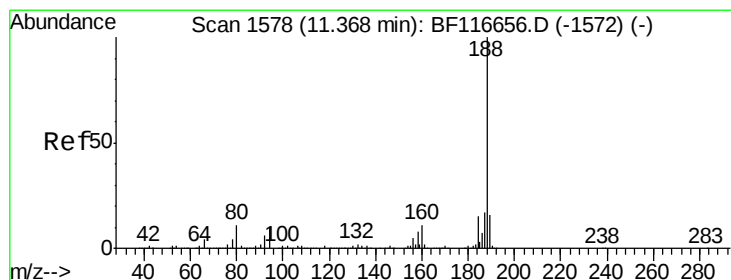
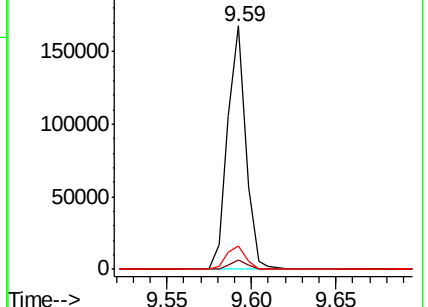
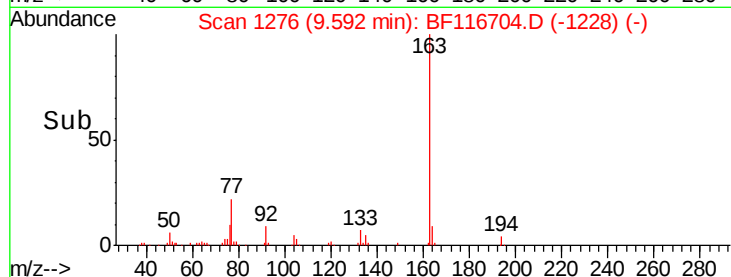
164 9.5 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116704.D

Acq: 31 Aug 2019 17:28

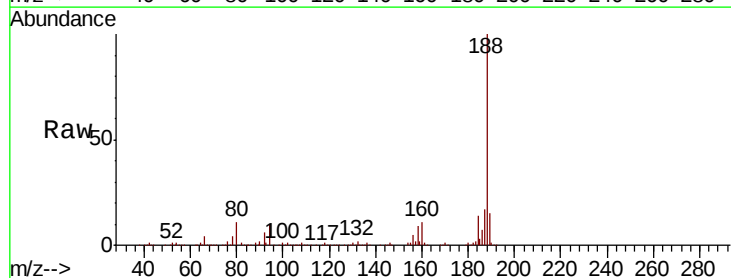
Tgt Ion:188 Resp: 322158

Ion Ratio Lower Upper

188 100

94 10.1 7.3 10.9

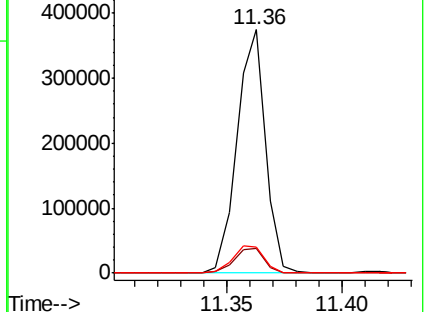
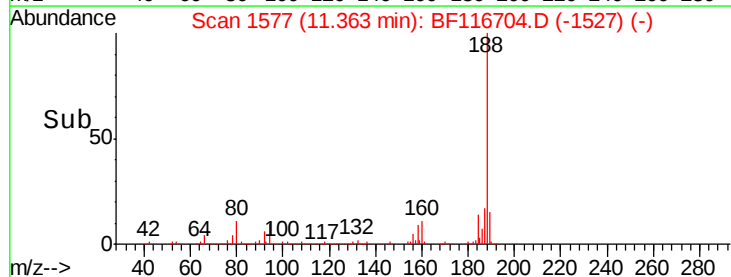
80 10.8 8.4 12.6

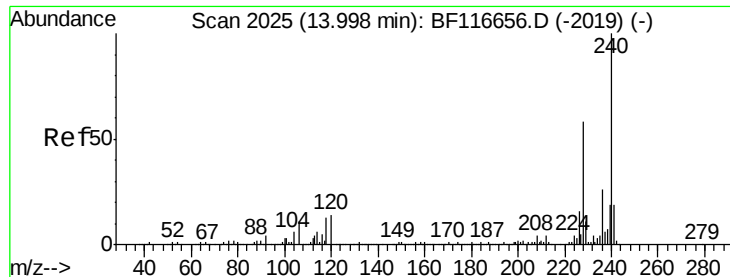


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

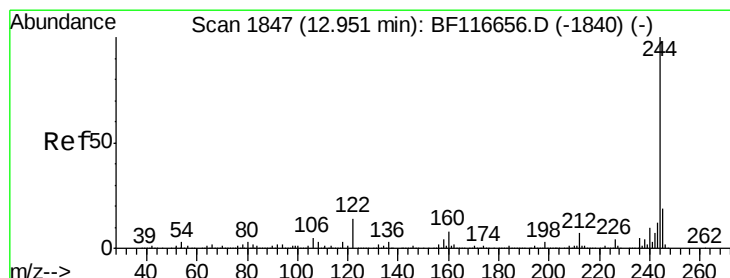
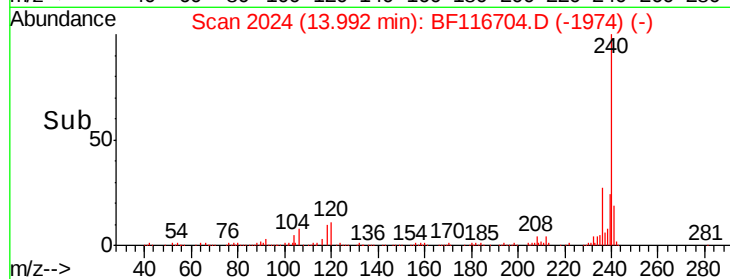
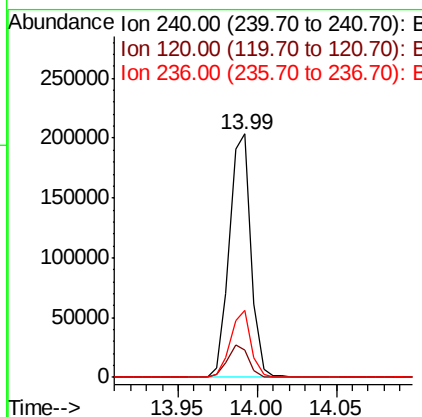
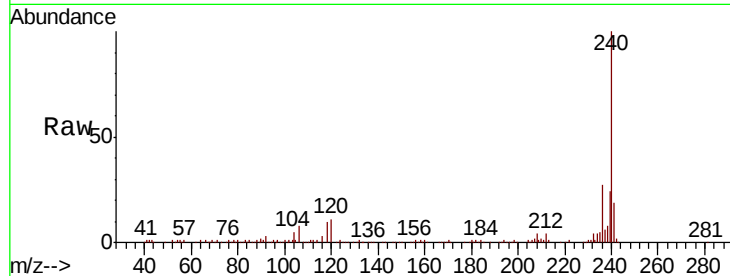




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2024  
Delta R.T. -0.01 min  
Lab File: BF116704.D  
Acq: 31 Aug 2019 17:28

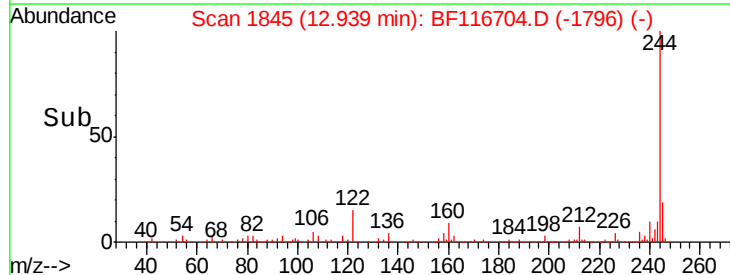
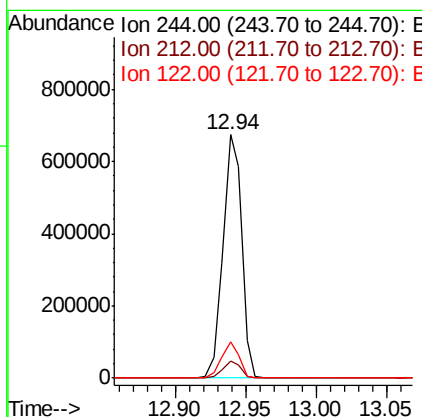
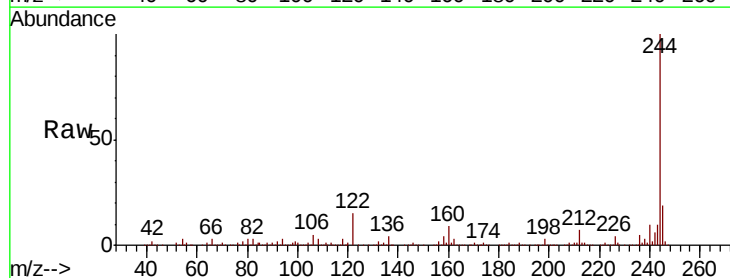
Instrument :  
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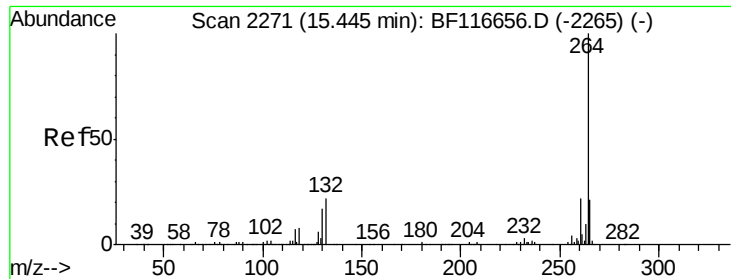
Tot Ion:240 Resp: 192546  
Ion Ratio Lower Upper  
240 100  
120 11.5 9.1 13.7  
236 27.4 21.1 31.7



#79  
Terphenyl-d14  
Concen: 59.536 ng  
RT: 12.94 min Scan# 1845  
Delta R.T. -0.01 min  
Lab File: BF116704.D  
Acq: 31 Aug 2019 17:28

Tgt Ion:244 Resp: 619660  
Ion Ratio Lower Upper  
244 100  
212 7.1 6.1 9.1  
122 14.8 10.2 15.4





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.44 min Scan# 2271  
Delta R.T. 0.00 min  
Lab File: BF116704.D  
Acq: 31 Aug 2019 17:28

Instrument :  
BNA\_F  
ClientSampleId :  
TP8-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 18.3  | 27.5  |
| 265     | 21.7  | 16.5  | 24.7  |

