

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050119\  
 Data File : BF114068.D  
 Acq On : 1 May 2019 14:47  
 Operator : JU/SJ  
 Sample : K2191-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P-66-TP

Quant Time: May 02 04:30:49 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 23 03:32:35 2019  
 Response via : Initial Calibration

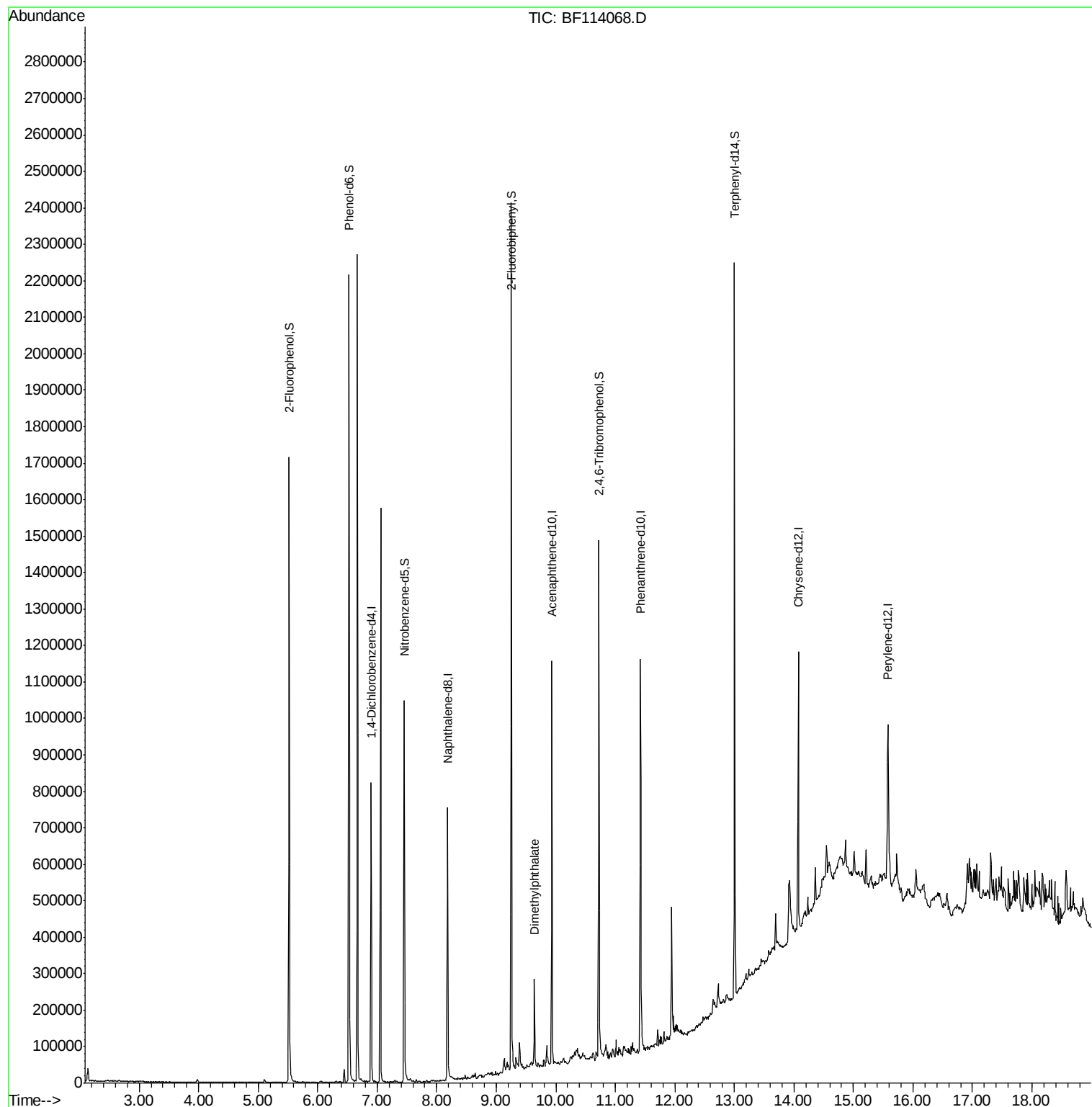
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.90  | 152  | 116061   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.18  | 136  | 360666   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.93  | 164  | 220994   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.42 | 188  | 389739   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.07 | 240  | 286268   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.58 | 264  | 219818   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.52  | 112  | 523198   | 77.10 | ng    | 0.00     |
| 7) Phenol-d6                | 6.53  | 99   | 740208   | 86.94 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 383643   | 65.68 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.73 | 330  | 213166   | 79.18 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.25  | 172  | 791235   | 56.00 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.00 | 244  | 719017   | 51.49 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 50) Dimethylphthalate       | 9.64  | 163  | 99894    | 6.250 | ng    | 99       |

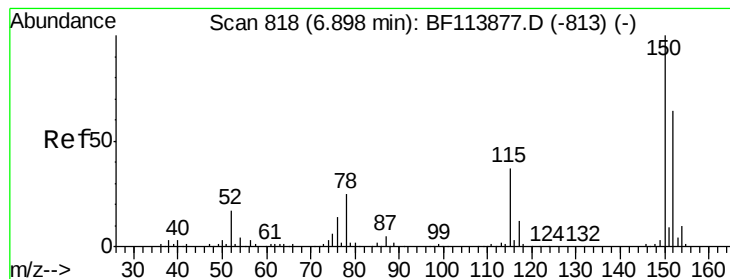
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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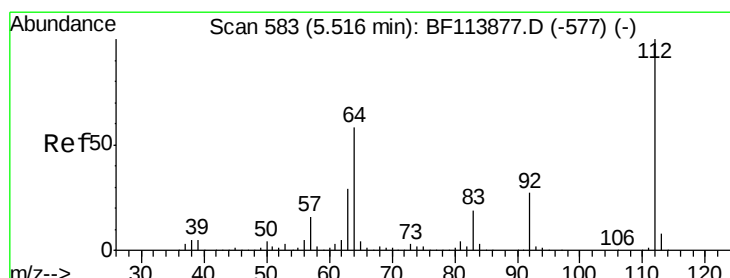
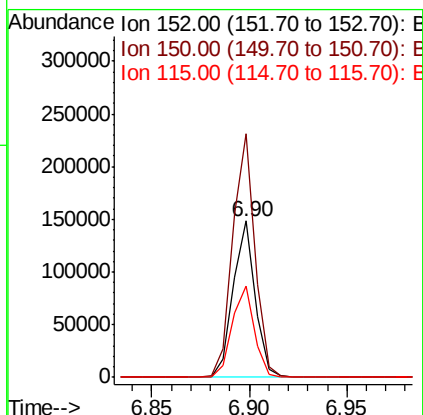
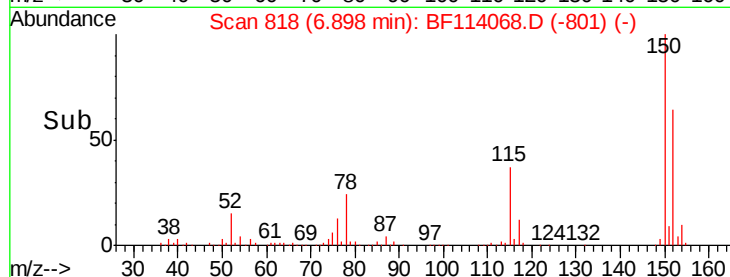
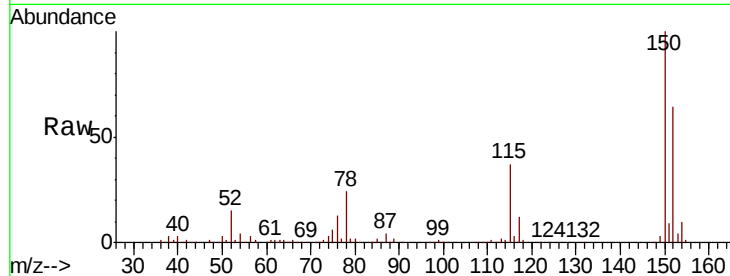


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: BF114068.D  
Acq: 1 May 2019 14:47

Instrument :  
BNA\_F  
ClientSampleId :  
P-66-TP

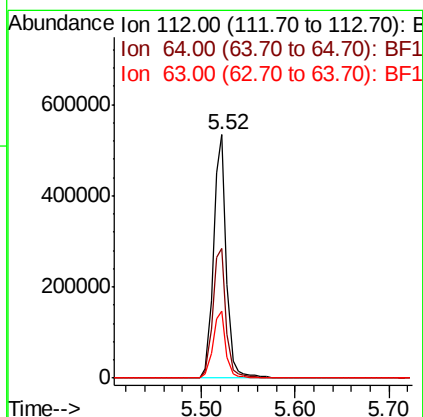
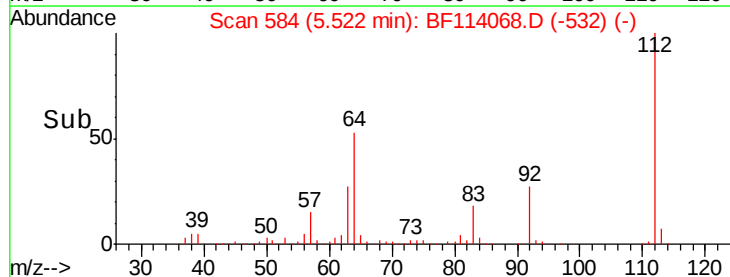
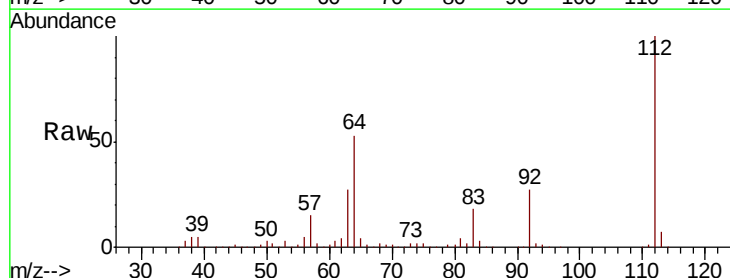
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.0 | 125.9 | 188.9 |
| 115     | 58.2  | 45.9  | 68.9  |

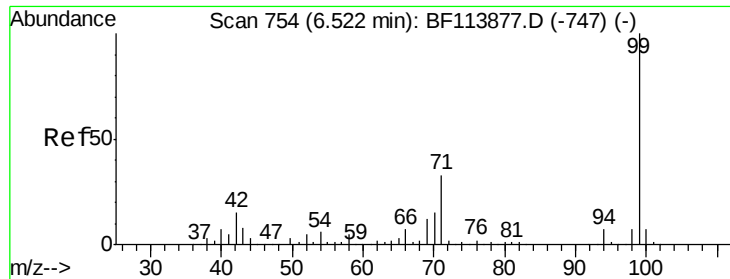


#5

2-Fluorophenol  
Concen: 77.102 ng  
RT: 5.52 min Scan# 584  
Delta R.T. 0.01 min  
Lab File: BF114068.D  
Acq: 1 May 2019 14:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.5  | 46.6  | 69.8  |
| 63      | 27.4  | 23.1  | 34.7  |





#7

Phenol-d6

Concen: 86.945 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF114068.D

Acq: 1 May 2019 14:47

Instrument :

BNA\_F

ClientSampled :

P-66-TP

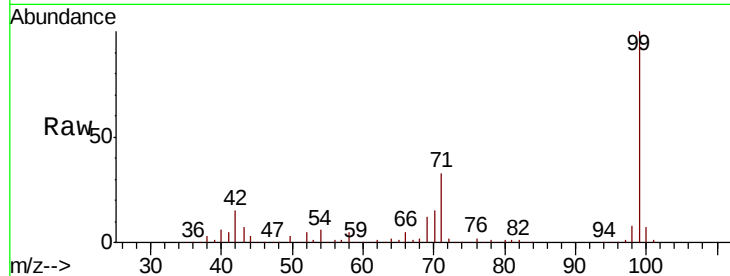
Tot Ion: 99 Resp: 740208

Ion Ratio Lower Upper

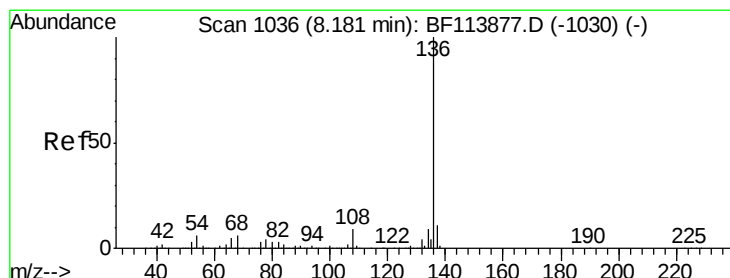
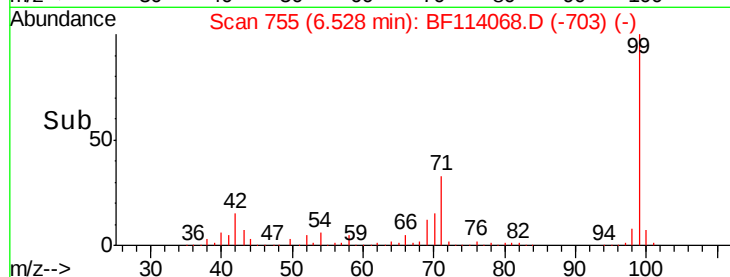
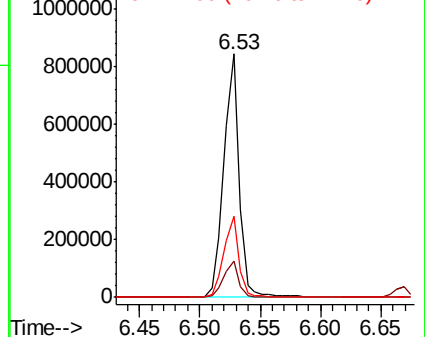
99 100

42 14.7 12.5 18.7

71 33.2 26.9 40.3



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: BF114068.D

Acq: 1 May 2019 14:47

Tgt Ion: 136 Resp: 360666

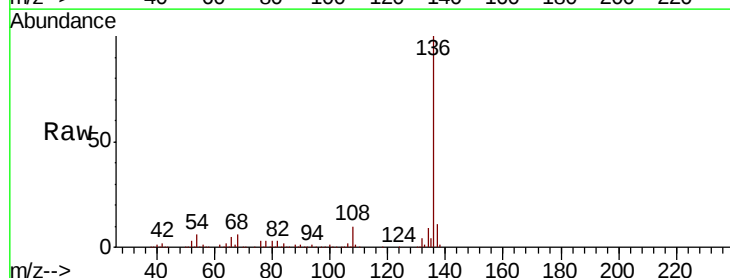
Ion Ratio Lower Upper

136 100

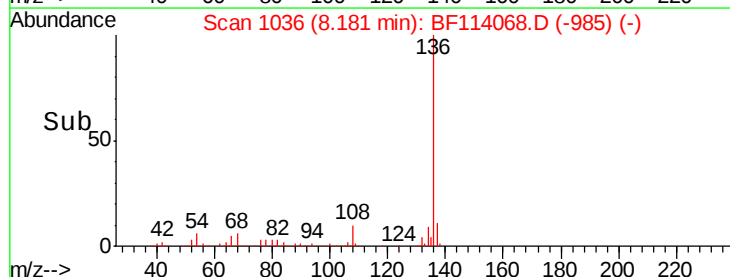
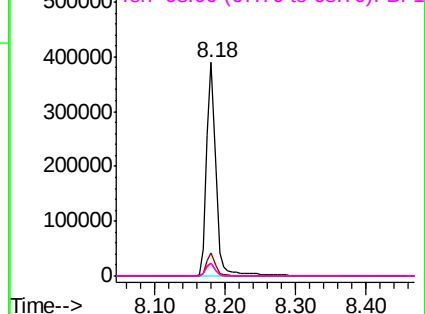
137 10.6 8.6 12.8

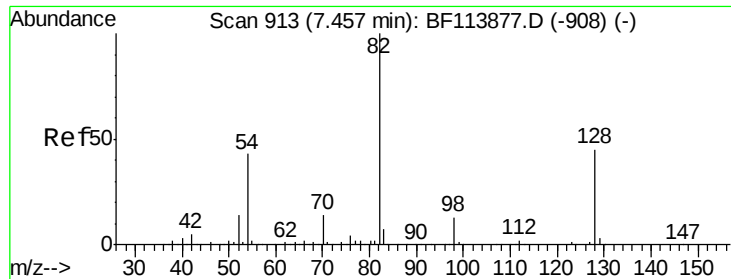
54 6.0 5.0 7.6

68 5.8 4.9 7.3



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

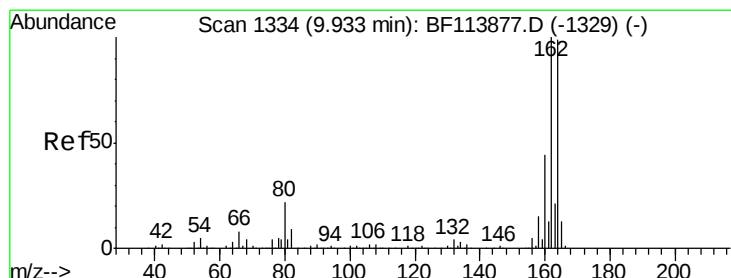
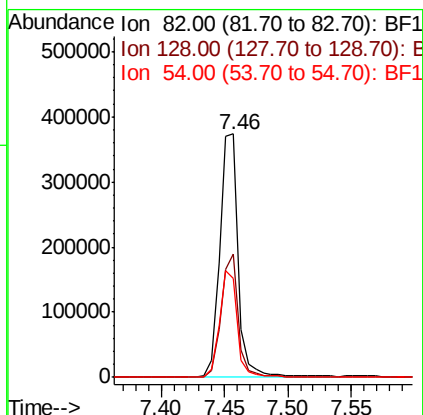
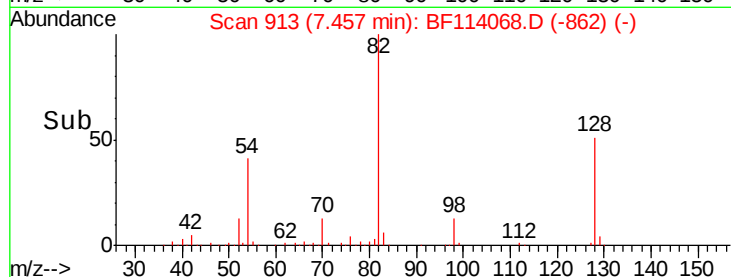
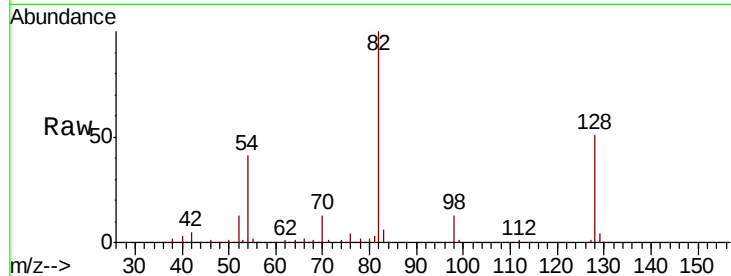




#23  
 Nitrobenzene-d5  
 Concen: 65.677 ng  
 RT: 7.46 min Scan# 913  
 Delta R.T. 0.00 min  
 Lab File: BF114068.D  
 Acq: 1 May 2019 14:47

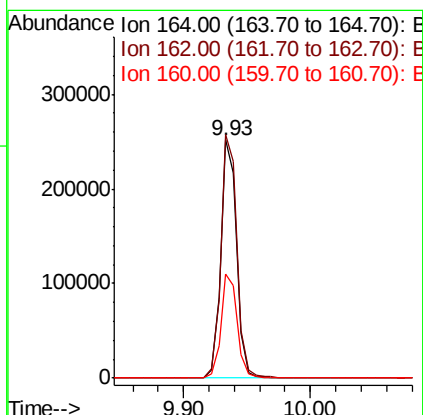
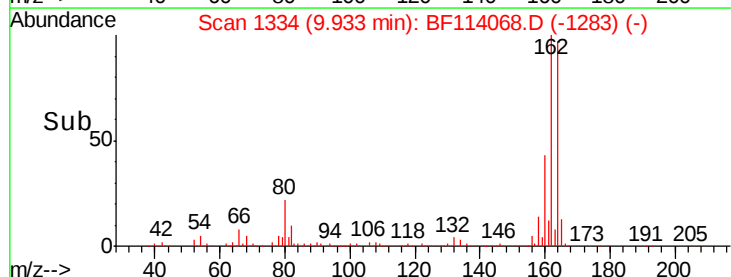
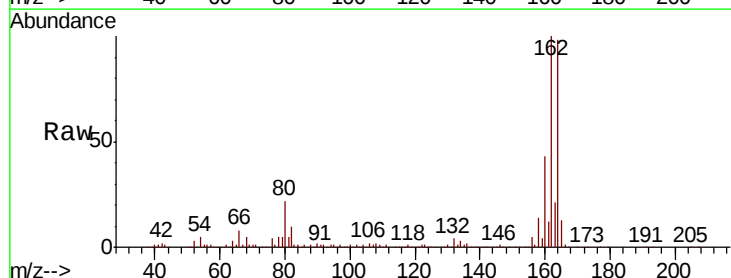
Instrument :  
 BNA\_F  
 ClientSampled :  
 P-66-TP

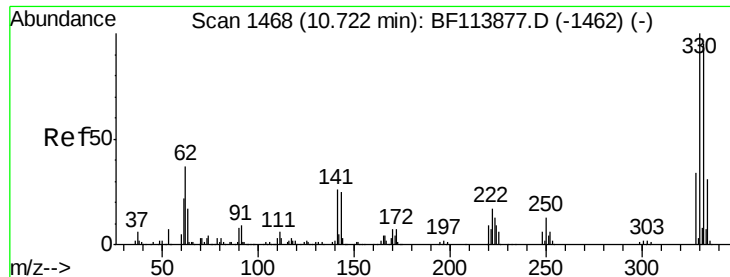
| Tot Ion   | 82    | Resp  | 383643 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 50.7  | 36.8  | 55.2   |
| 54        | 40.6  | 33.8  | 50.6   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.93 min Scan# 1334  
 Delta R.T. 0.00 min  
 Lab File: BF114068.D  
 Acq: 1 May 2019 14:47

| Tgt Ion   | 164   | Resp  | 220994 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.2 | 81.1  | 121.7  |
| 160       | 43.9  | 35.8  | 53.6   |

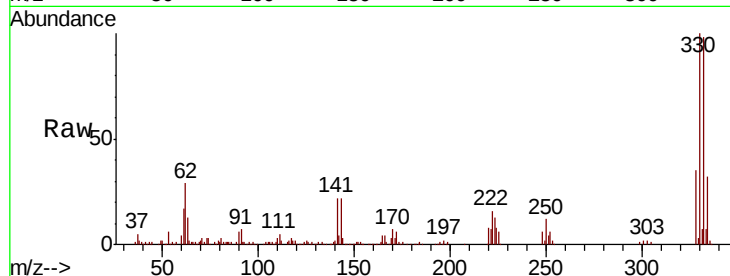




#42  
 2,4,6-Tribromophenol  
 Concen: 79.180 ng  
 RT: 10.73 min Scan# 1469  
 Delta R.T. 0.01 min  
 Lab File: BF114068.D  
 Acq: 1 May 2019 14:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P-66-TP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 77.5  | 116.3 |
| 141     | 27.6  | 22.2  | 33.2  |

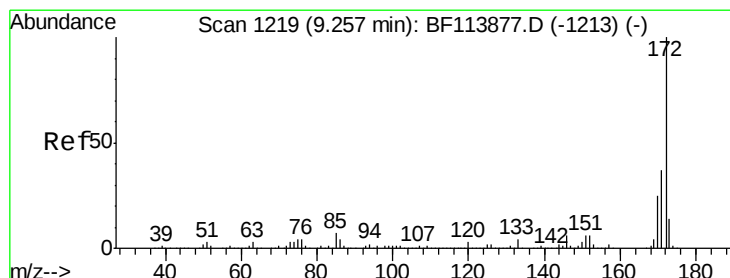
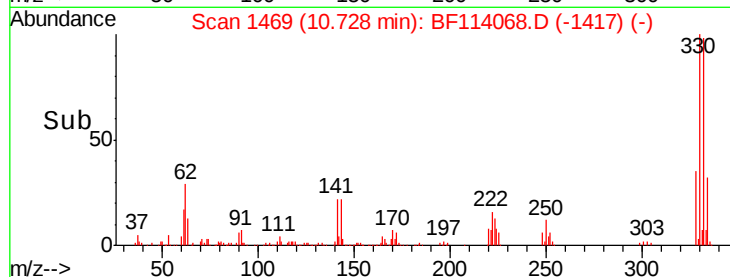
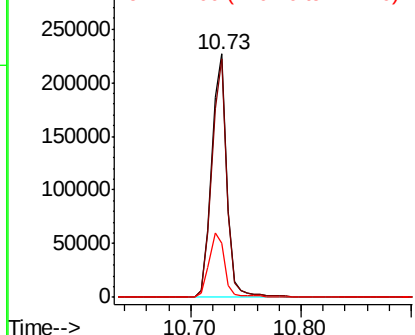


Abundance

Ion 329.80 (329.50 to 330.50): E

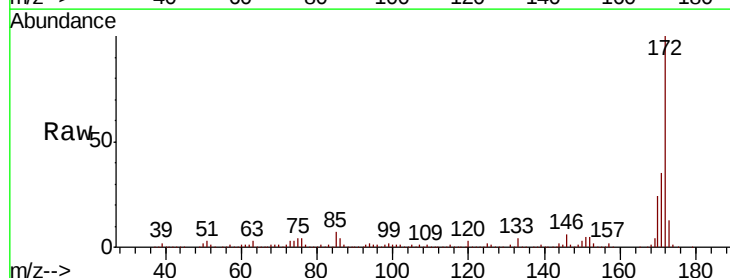
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 55.998 ng  
 RT: 9.25 min Scan# 1218  
 Delta R.T. -0.00 min  
 Lab File: BF114068.D  
 Acq: 1 May 2019 14:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 29.4  | 44.0  |
| 170     | 23.6  | 19.9  | 29.9  |

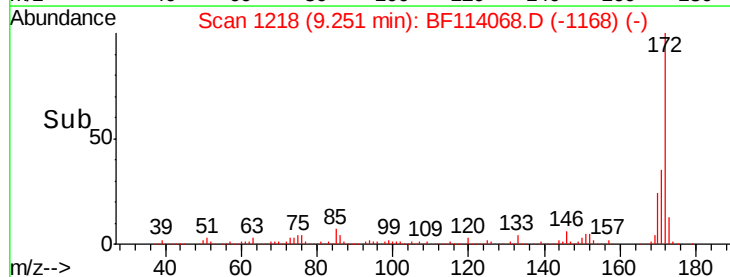
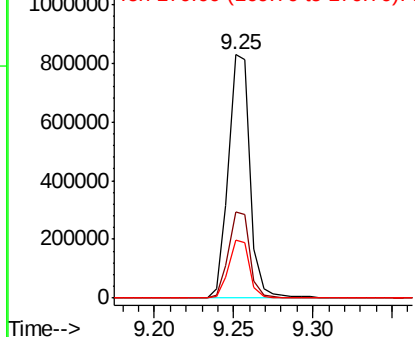


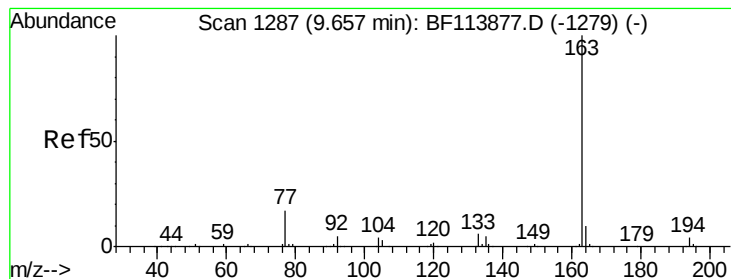
Abundance

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: 6.250 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF114068.D

Acq: 1 May 2019 14:47

Instrument :

BNA\_F

ClientSampleId :

P-66-TP

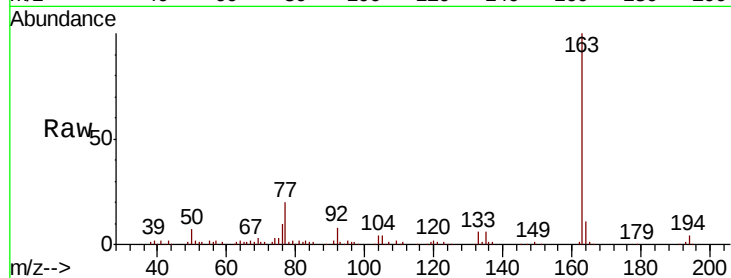
Tot Ion:163 Resp: 99894

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.2

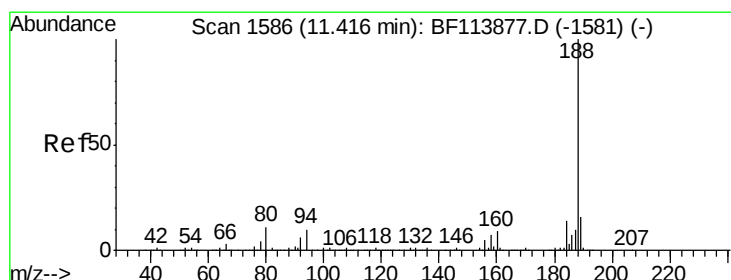
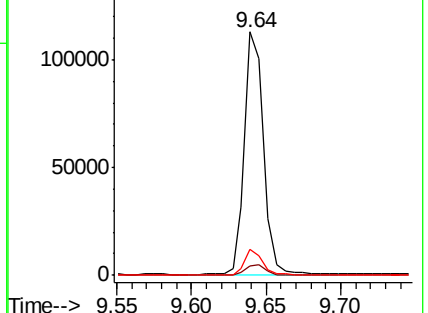
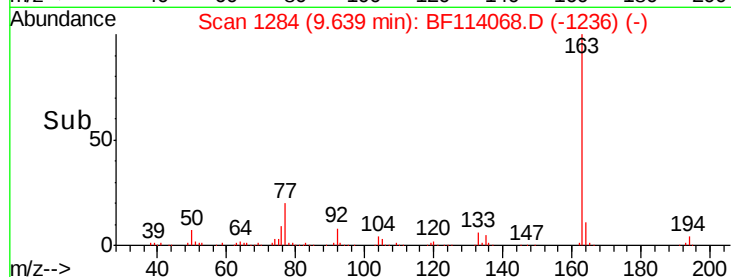
164 10.8 8.5 12.7



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: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF114068.D

Acq: 1 May 2019 14:47

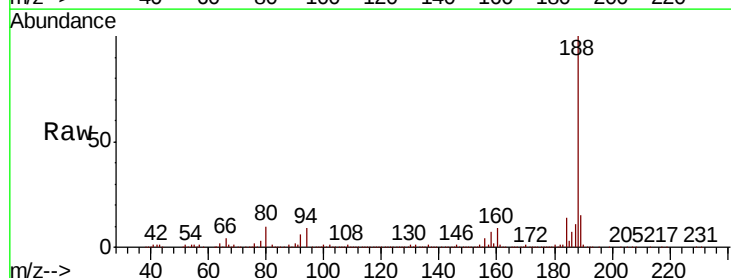
Tgt Ion:188 Resp: 389739

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.4

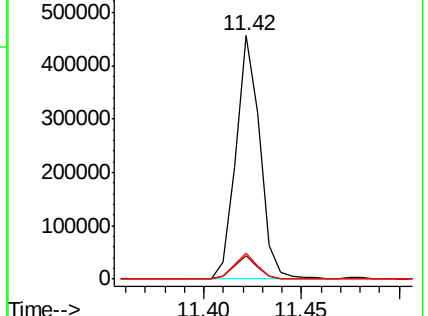
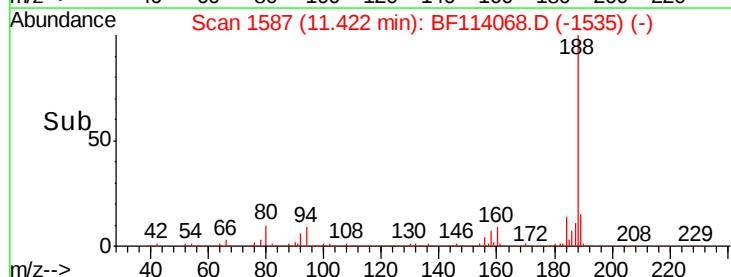
80 10.5 9.0 13.6

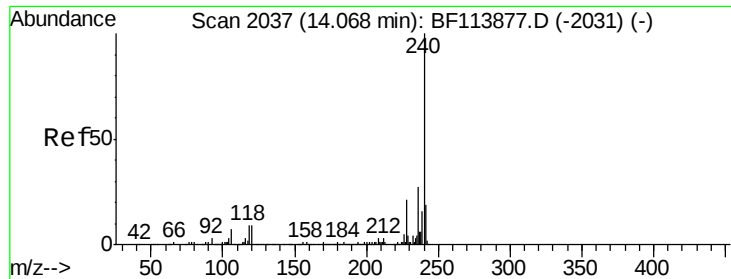


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

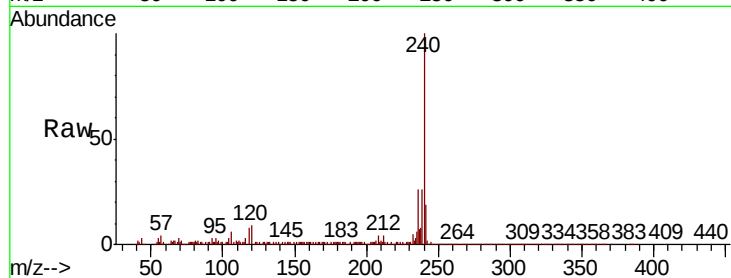




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 14.07 min Scan# 2038  
 Delta R.T. 0.01 min  
 Lab File: BF114068.D  
 Acq: 1 May 2019 14:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P-66-TP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.8   | 9.3   | 13.9# |
| 236     | 26.1  | 21.2  | 31.8  |

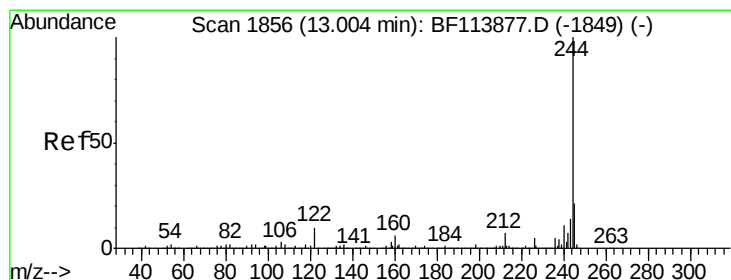
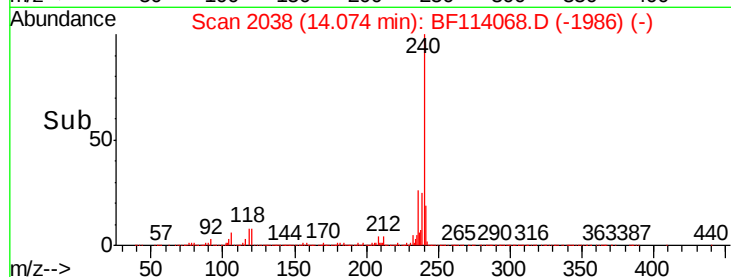
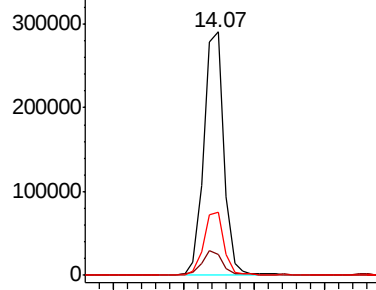


Abundance

Ion 240.00 (239.70 to 240.70): E

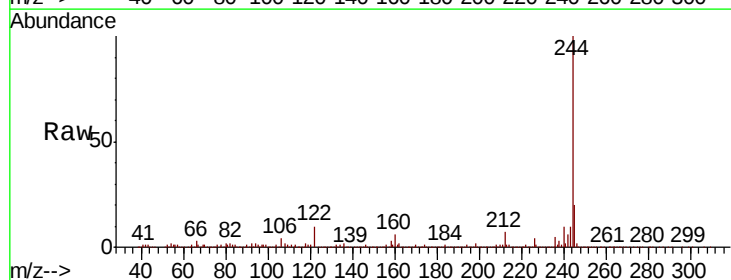
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79  
 Terphenyl-d14  
 Concen: 51.493 ng  
 RT: 13.00 min Scan# 1856  
 Delta R.T. 0.00 min  
 Lab File: BF114068.D  
 Acq: 1 May 2019 14:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.7   | 5.4   | 8.2   |
| 122     | 10.2  | 7.6   | 11.4  |

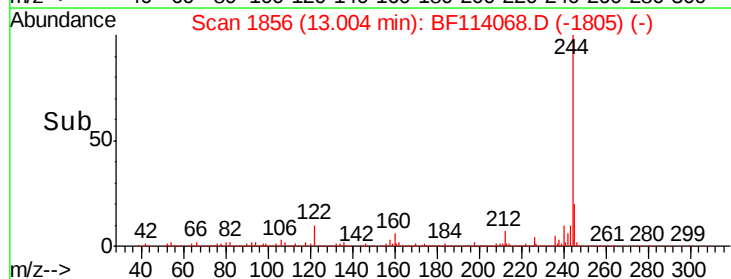
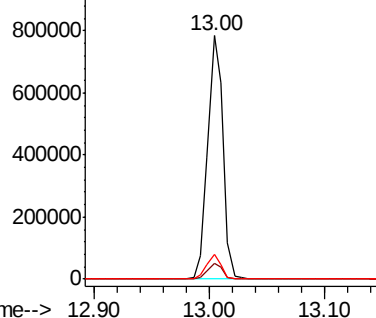


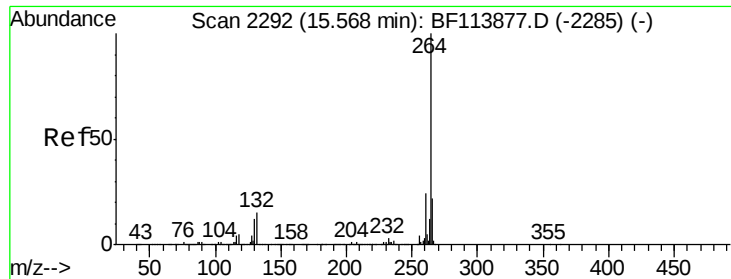
Abundance

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





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.58 min Scan# 2294  
Delta R.T. 0.01 min  
Lab File: BF114068.D  
Acq: 1 May 2019 14:47

Instrument :  
BNA\_F  
ClientSampleId :  
P-66-TP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 18.9  | 28.3  |
| 265     | 21.9  | 17.3  | 25.9  |

