

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\  
 Data File : BF117813.D  
 Acq On : 15 Nov 2019 19:57  
 Operator : JU  
 Sample : K5861-15  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 18 01:41:56 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 13 18:36:07 2019  
 Response via : Initial Calibration

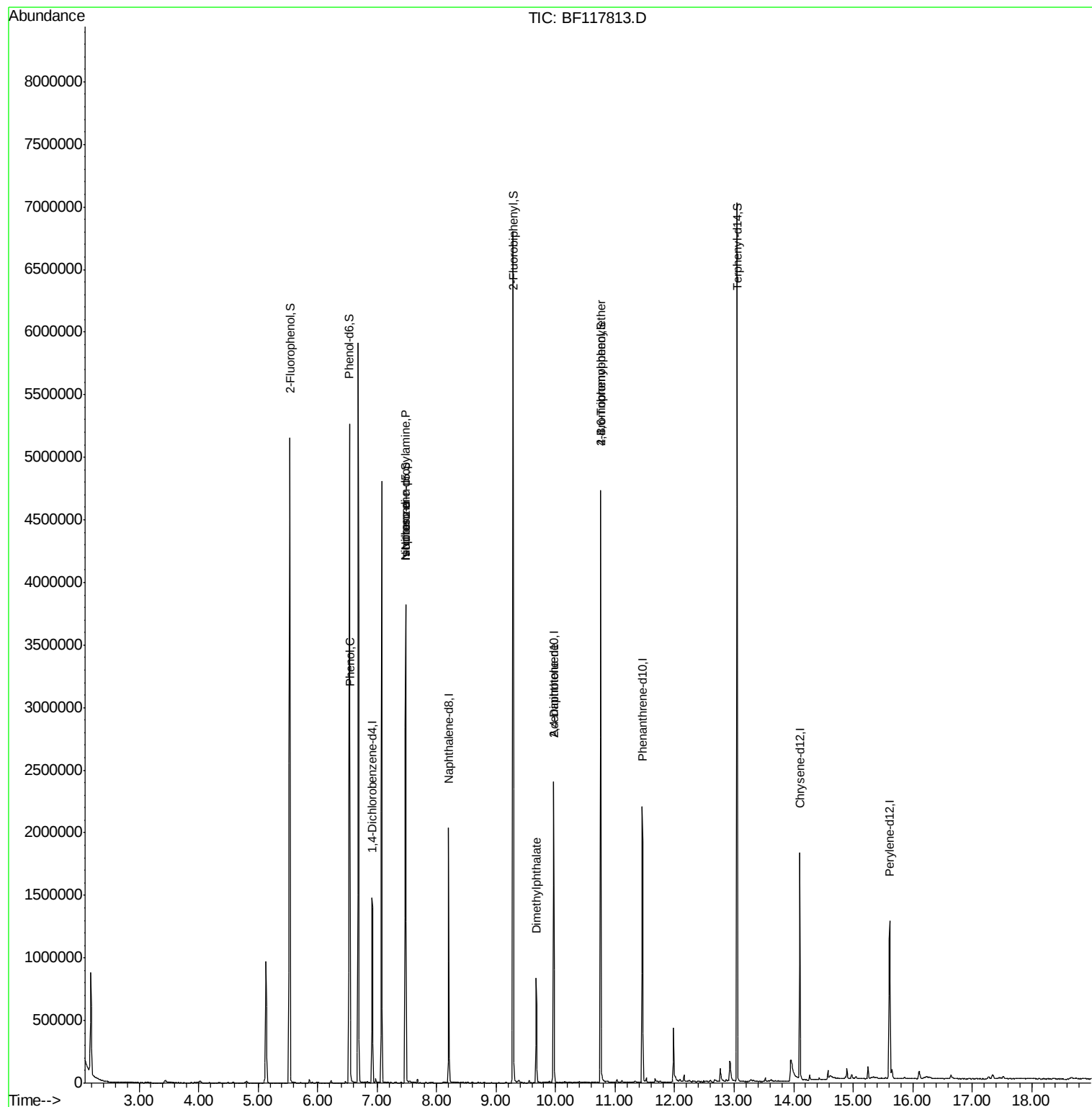
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.92  | 152  | 221642   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.20  | 136  | 851923   | 20.00     | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.97  | 164  | 435699   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.46 | 188  | 813789   | 20.00     | ng    | -0.01    |
| 76) Chrysene-d12               | 14.10 | 240  | 578153   | 20.00     | ng    | -0.01    |
| 87) Perylene-d12               | 15.62 | 264  | 590286   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.53  | 112  | 1502168  | 119.97    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.54  | 99   | 1911235  | 126.55    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.48  | 82   | 1147485  | 80.07     | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.76 | 330  | 565912   | 122.69    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.29  | 172  | 2103799  | 86.63     | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.05 | 244  | 2361844  | 74.66     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.55  | 77   | 3838     | Below Cal |       | Qvalue   |
| 10) Phenol                     | 6.55  | 94   | 95769    | 6.102 ng  | #     | 1        |
| 19) n-Nitroso-di-n-propylamine | 7.48  | 70   | 158270   | 16.987 ng | #     | 93       |
| 25) Isophorone                 | 7.48  | 82   | 1147639  | 43.692 ng | #     | 76       |
| 50) Dimethylphthalate          | 9.67  | 163  | 322461   | 10.554 ng | #     | 62       |
| 57) 2,4-Dinitrotoluene         | 9.97  | 165  | 55518    | 6.536 ng  | #     | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.76 | 248  | 35918    | 4.091 ng  | #     | 25       |
| 75) Fluoranthene               | 12.67 | 202  | 4772     | Below Cal |       | # 1      |
|                                |       |      |          |           |       | 94       |

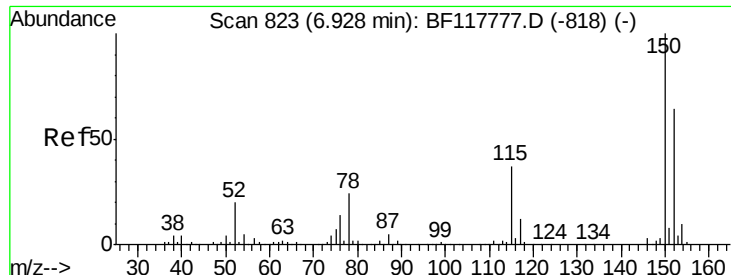
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF117813.D  
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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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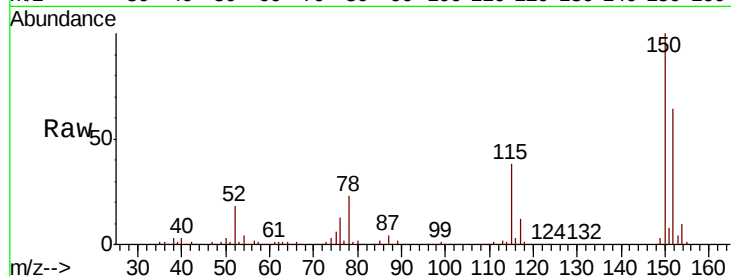


#1

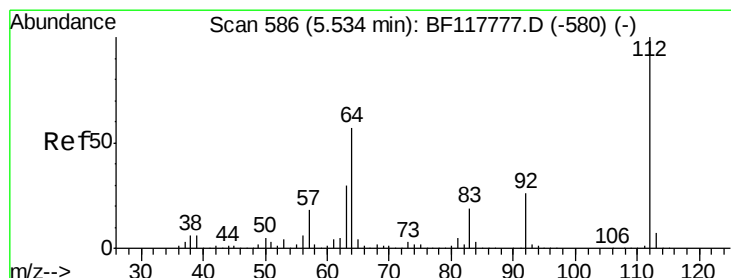
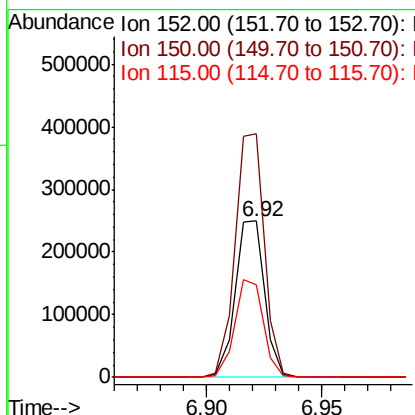
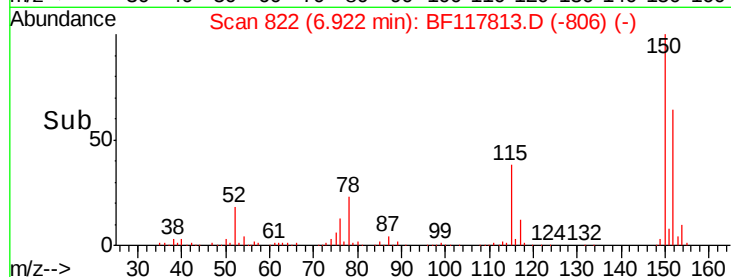
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.92 min Scan# 822  
Delta R.T. -0.01 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 221642  
Ion Ratio Lower Upper  
152 100  
150 155.8 125.3 187.9  
115 59.1 47.0 70.4



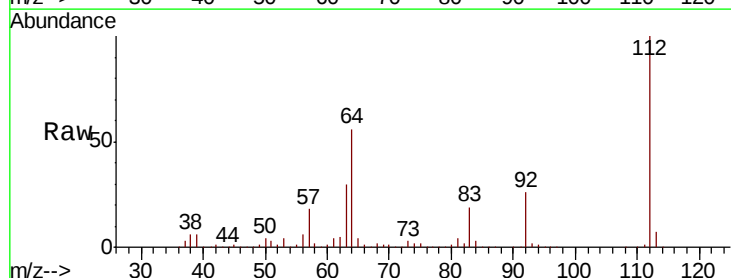
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



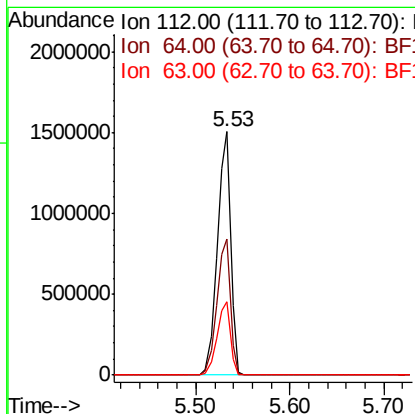
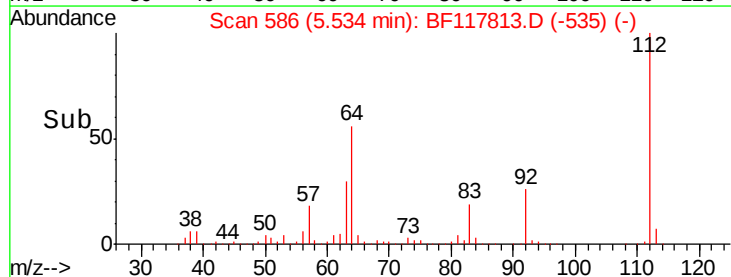
#5

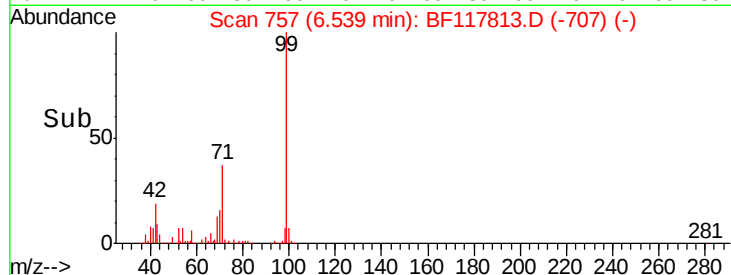
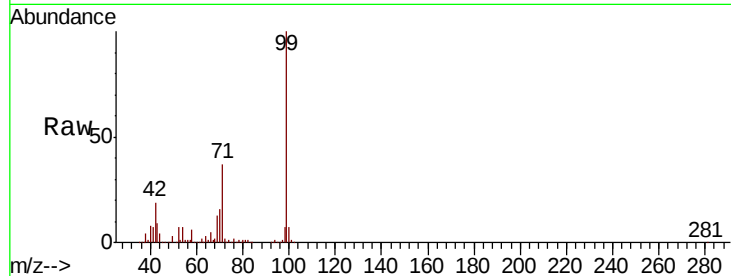
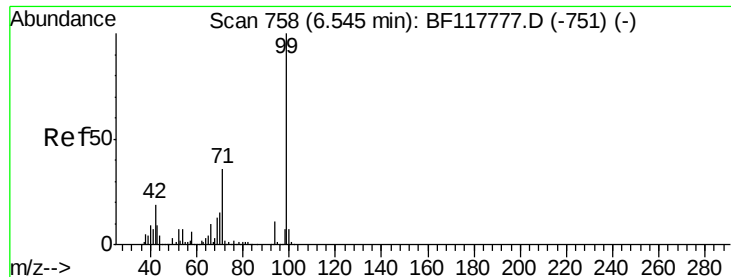
2-Fluorophenol  
Concen: 119.968 ng  
RT: 5.53 min Scan# 586  
Delta R.T. -0.00 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

Tgt Ion:112 Resp: 1502168  
Ion Ratio Lower Upper  
112 100  
64 56.0 45.6 68.4  
63 30.0 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: 126.548 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117813.D

Acq: 15 Nov 2019 19:57

Instrument :

BNA\_F

ClientSampled :

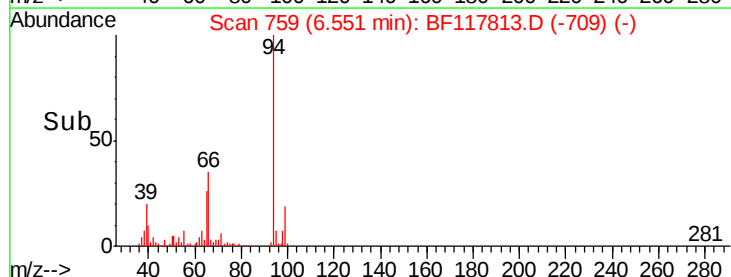
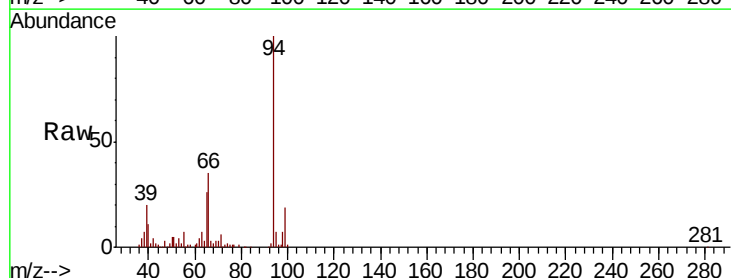
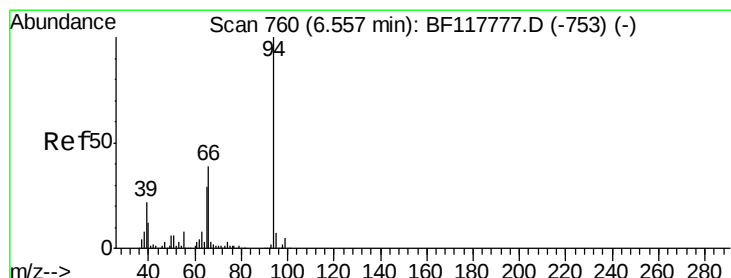
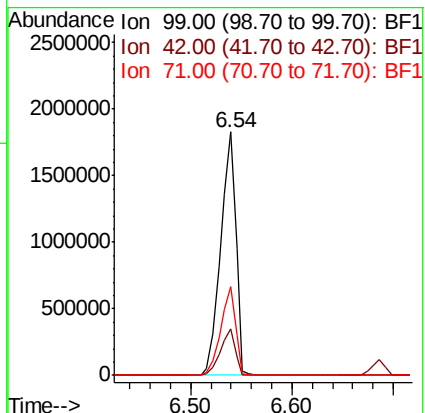
Tot Ion: 99 Resp: 1911235

Ion Ratio Lower Upper

99 100

42 19.1 14.9 22.3

71 36.6 28.6 43.0



#10

Phenol

Concen: 6.102 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117813.D

Acq: 15 Nov 2019 19:57

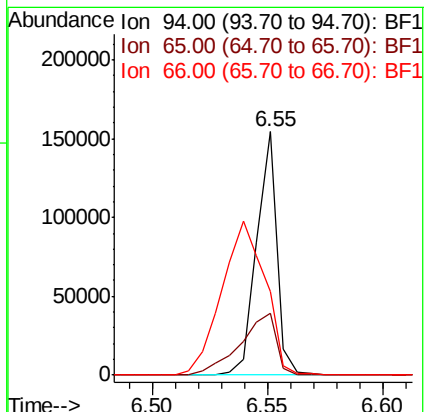
Tgt Ion: 94 Resp: 95769

Ion Ratio Lower Upper

94 100

65 25.6 8.9 48.9

66 34.6 18.7 58.7

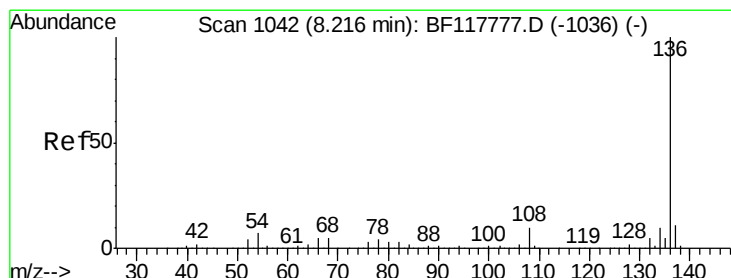
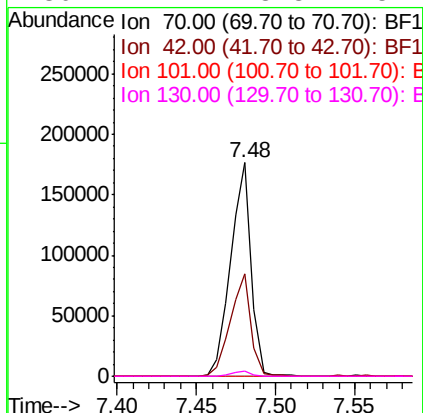
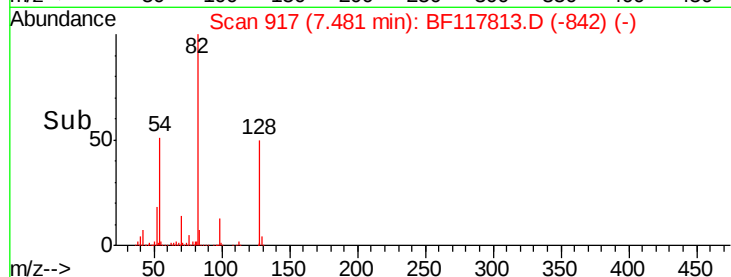
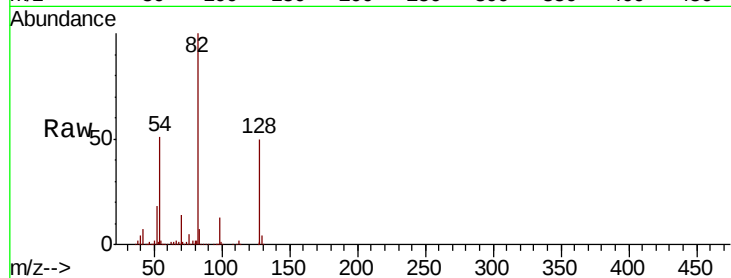




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.987 ng  
RT: 7.48 min Scan# 917  
Delta R.T. 0.14 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

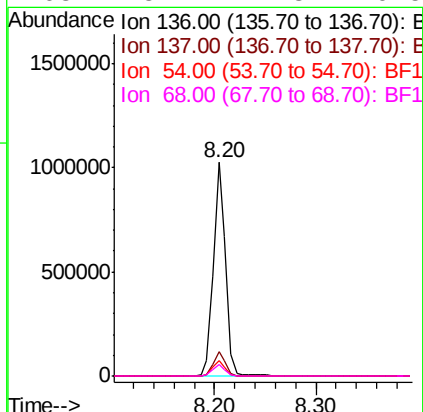
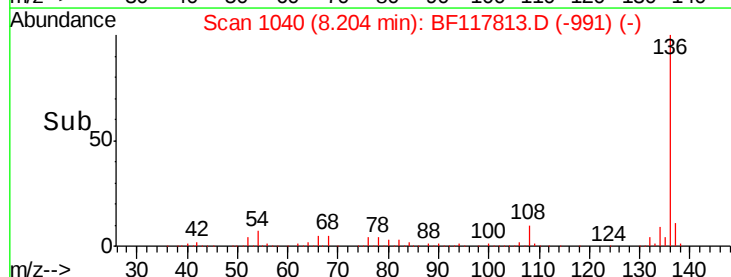
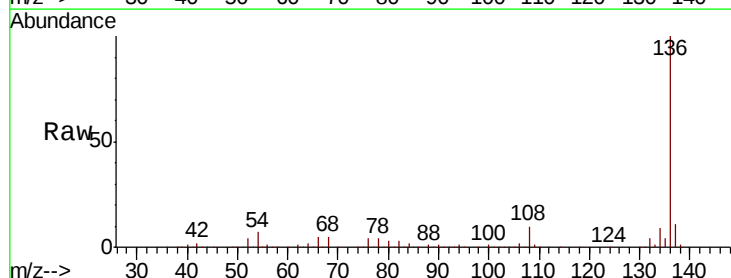
Instrument :  
BNA\_F  
ClientSampleId :

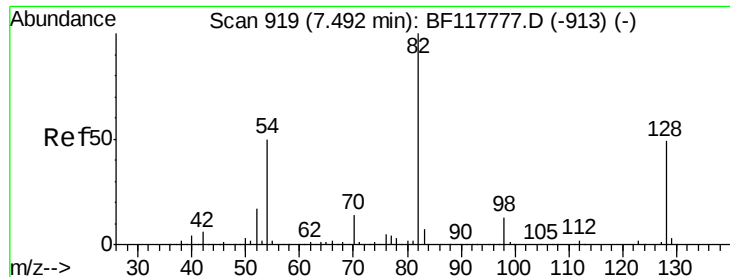
Tot Ion: 70 Resp: 158270  
Ion Ratio Lower Upper  
70 100  
42 47.9 47.4 71.2  
101 0.0 8.4 12.6#  
130 2.4 18.8 28.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.20 min Scan# 1040  
Delta R.T. -0.01 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

Tgt Ion: 136 Resp: 851923  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.0 13.4  
54 7.5 5.4 8.2  
68 5.4 4.3 6.5

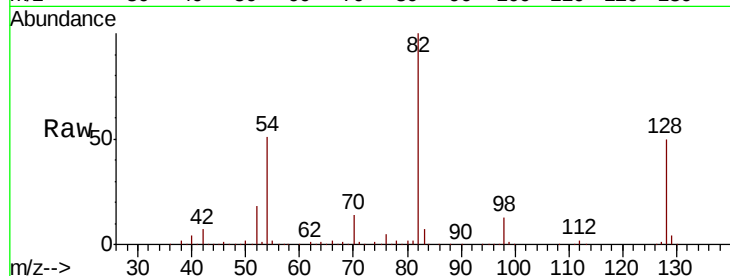




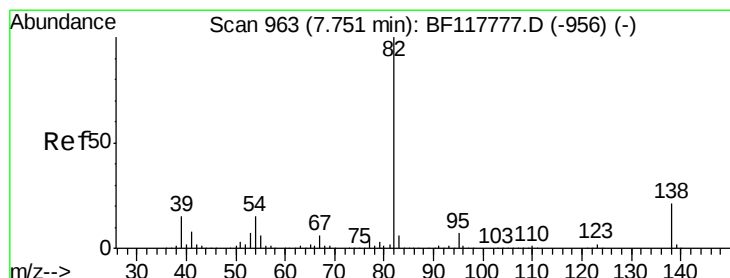
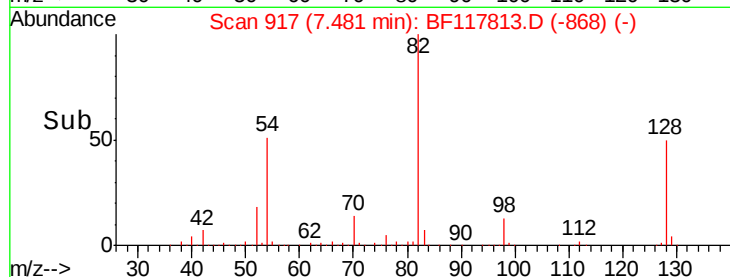
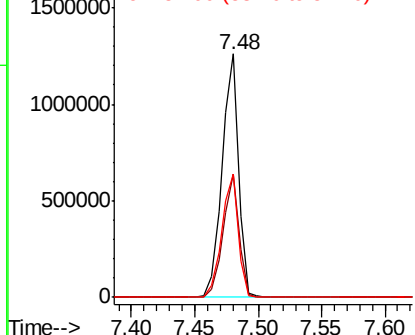
#23  
Nitrobenzene-d5  
Concen: 80.070 ng  
RT: 7.48 min Scan# 917  
Delta R.T. -0.01 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 1147485  
Ion Ratio Lower Upper  
82 100  
128 50.4 38.9 58.3  
54 50.9 39.8 59.6

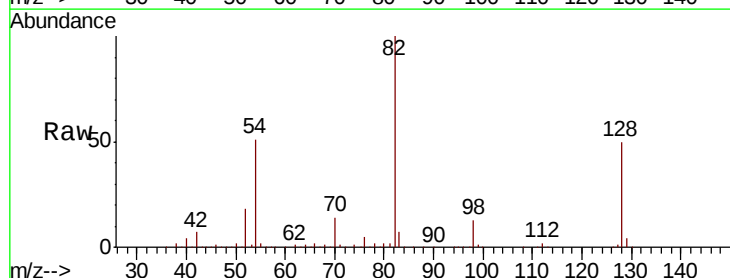


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

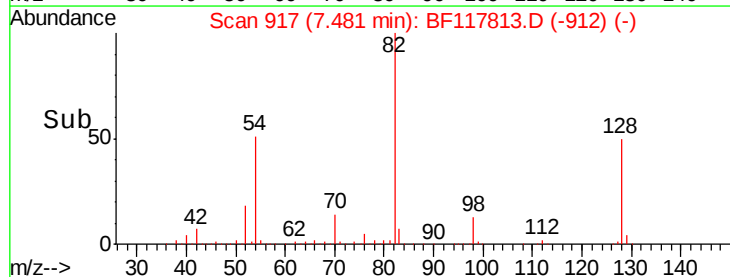
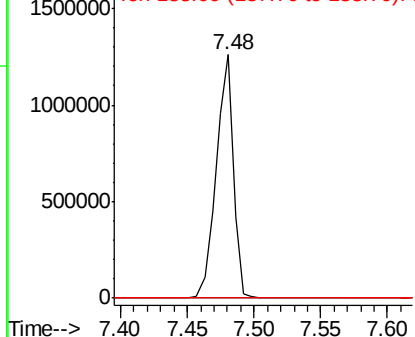


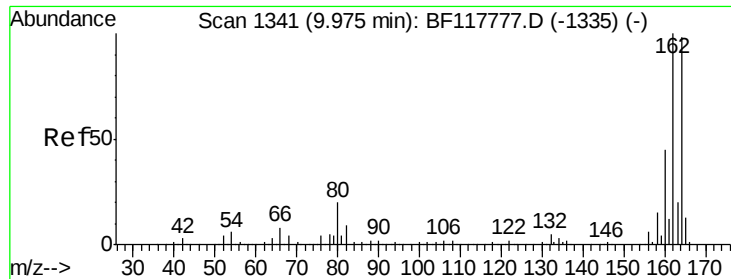
#25  
Isophorone  
Concen: 43.692 ng  
RT: 7.48 min Scan# 917  
Delta R.T. -0.27 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

Tgt Ion: 82 Resp: 1147639  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.8#  
138 0.0 16.5 24.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

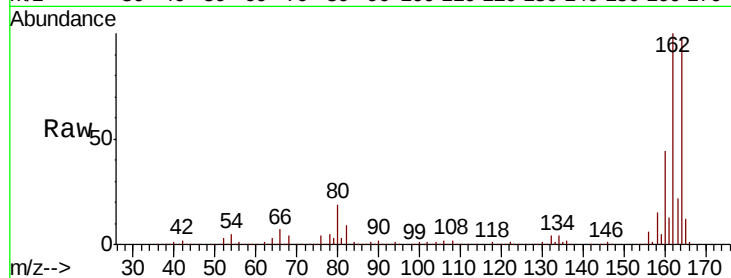




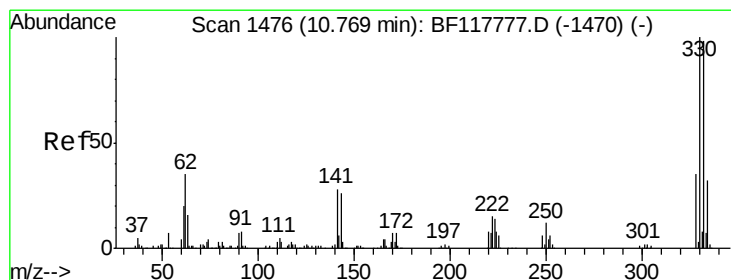
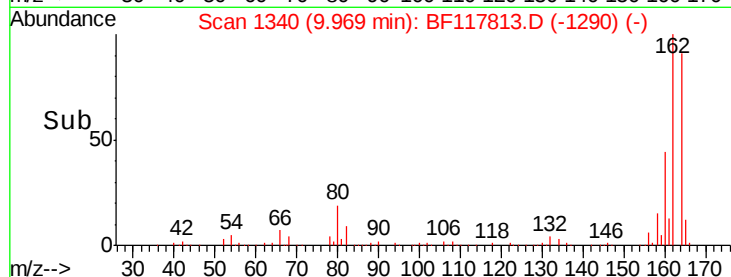
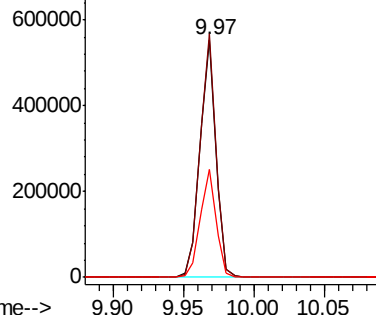
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 435699  
Ion Ratio Lower Upper  
164 100  
162 102.5 81.3 121.9  
160 45.6 36.6 55.0

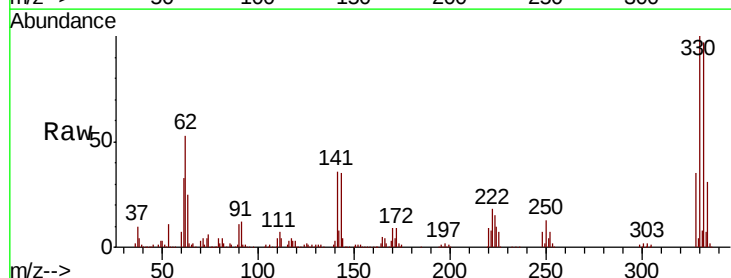


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

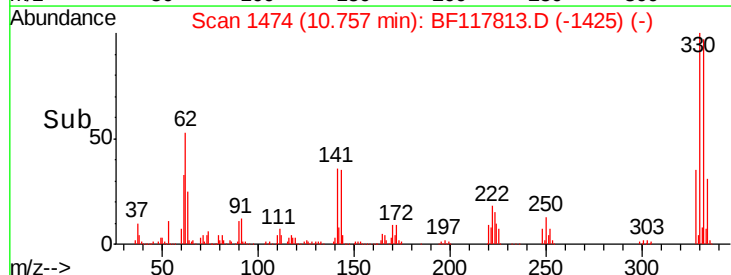
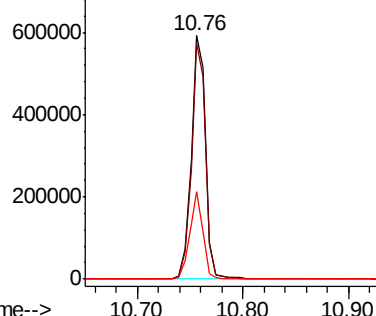


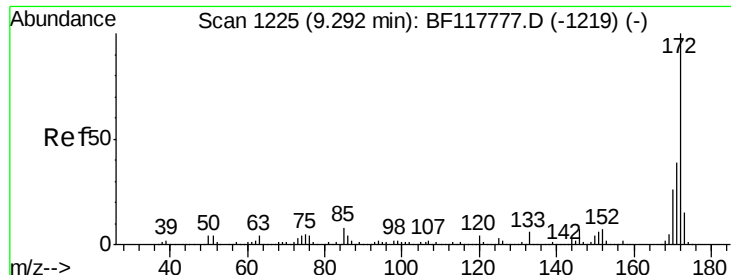
#42  
2,4,6-Tribromophenol  
Concen: 122.686 ng  
RT: 10.76 min Scan# 1474  
Delta R.T. -0.01 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

Tgt Ion:330 Resp: 565912  
Ion Ratio Lower Upper  
330 100  
332 95.6 76.7 115.1  
141 33.7 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

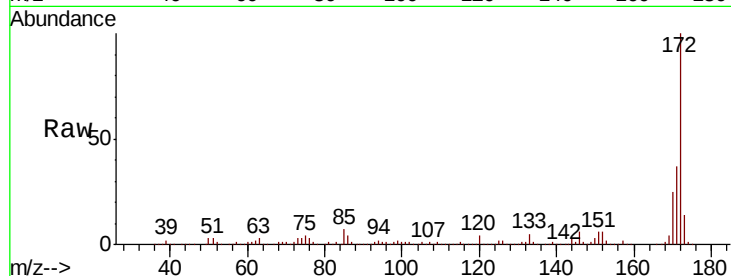




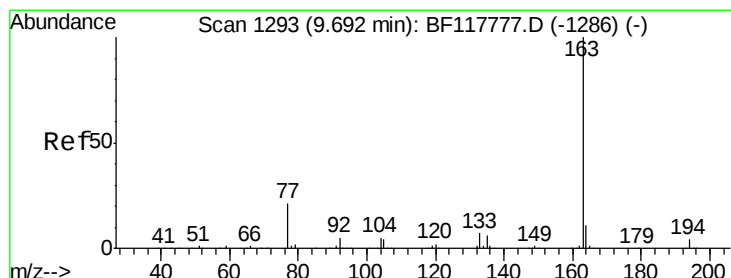
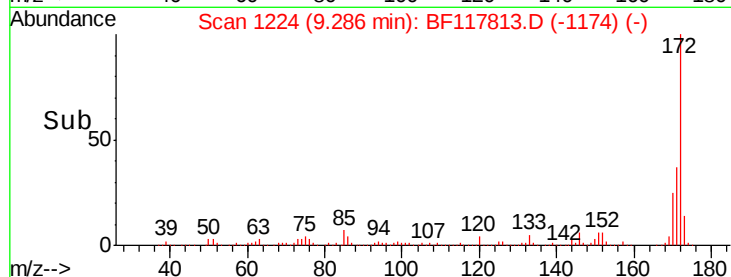
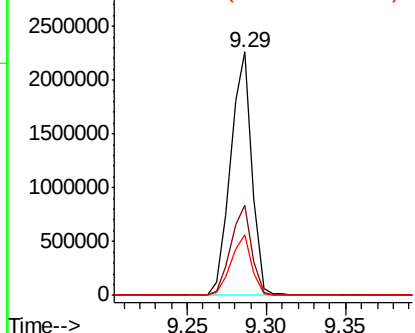
#45  
2-Fluorobiphenyl  
Concen: 86.626 ng  
RT: 9.29 min Scan# 1224  
Delta R.T. -0.01 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 2103799  
Ion Ratio Lower Upper  
172 100  
171 37.1 30.9 46.3  
170 25.1 21.0 31.4

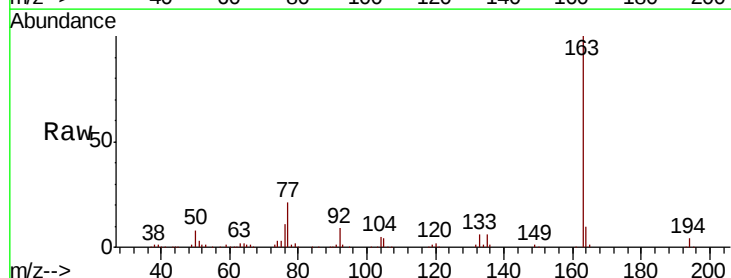


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

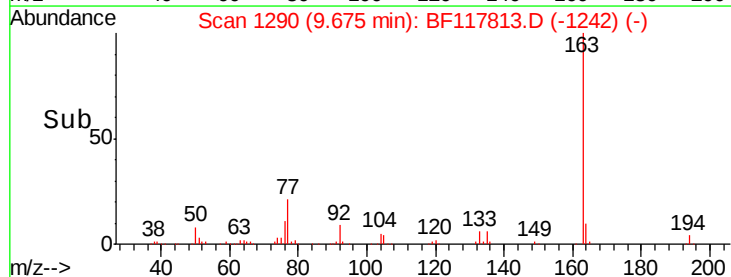
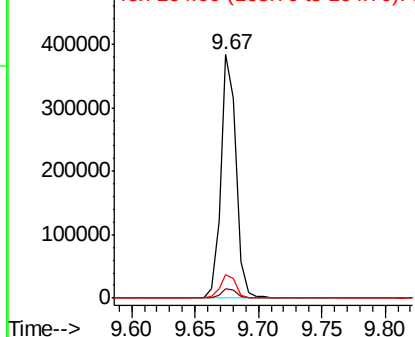


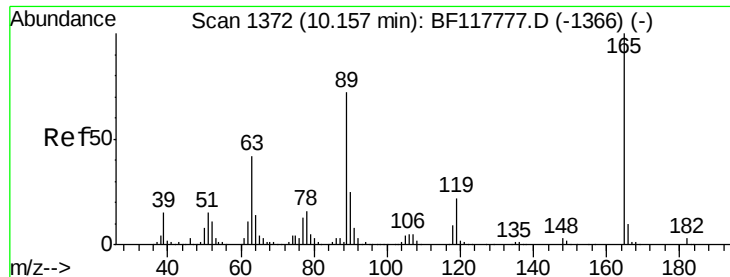
#50  
Dimethylphthalate  
Concen: 10.554 ng  
RT: 9.67 min Scan# 1290  
Delta R.T. -0.02 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

Tgt Ion:163 Resp: 322461  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.3 4.9  
164 9.9 8.7 13.1



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

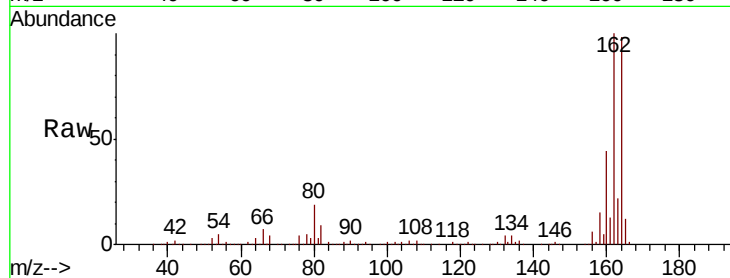




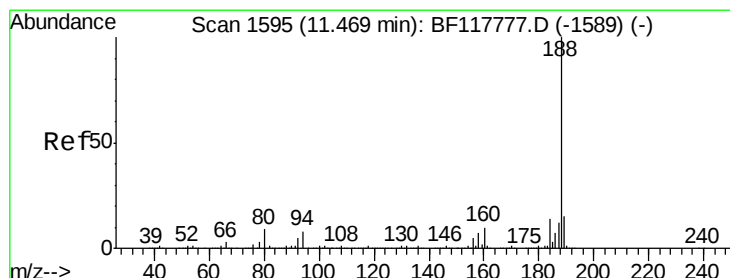
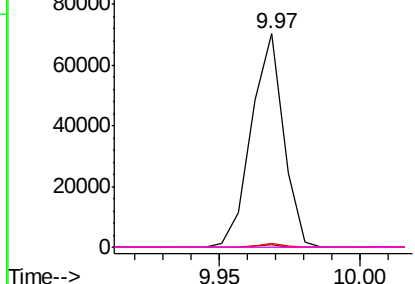
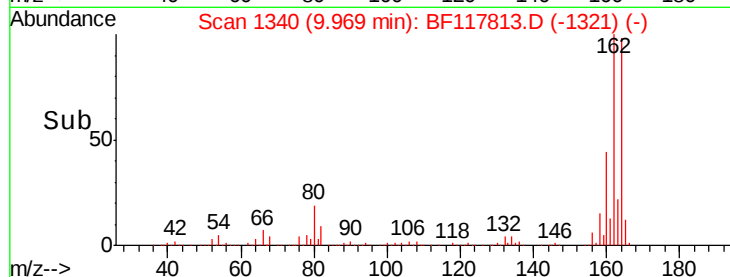
#57  
2,4-Dinitrotoluene  
Concen: 6.536 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.19 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 33.7  | 50.5# |
| 89      | 1.5   | 57.3  | 85.9# |
| 182     | 0.0   | 2.3   | 3.5#  |

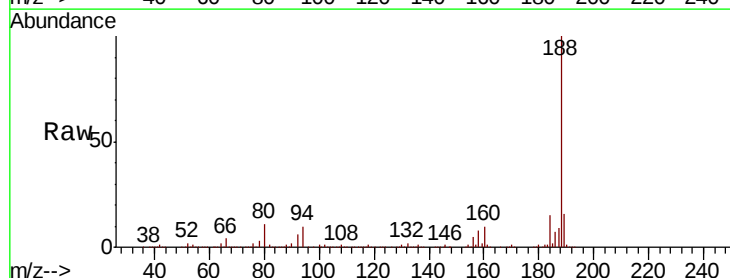


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

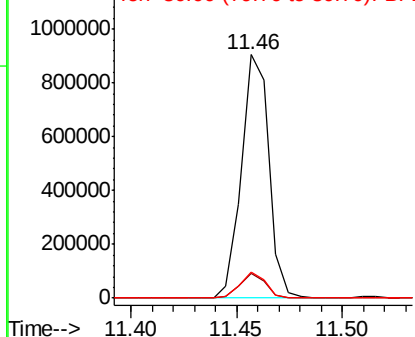
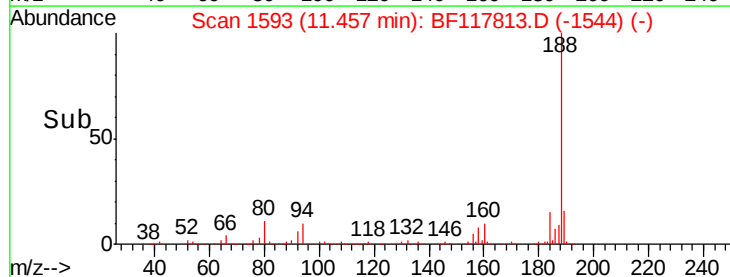


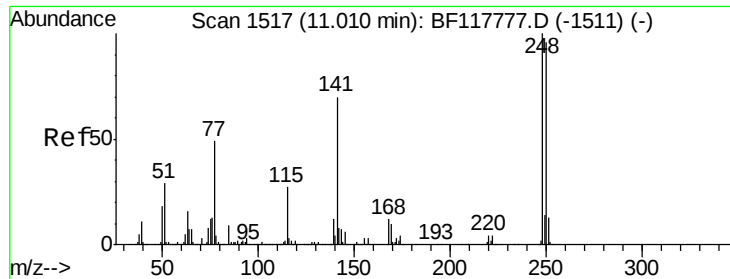
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.46 min Scan# 1593  
Delta R.T. -0.01 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.9   | 6.6   | 10.0  |
| 80      | 10.8  | 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

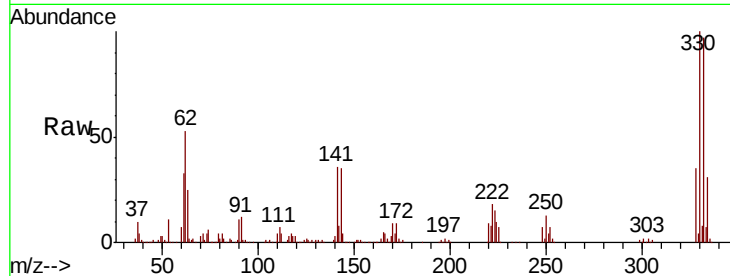




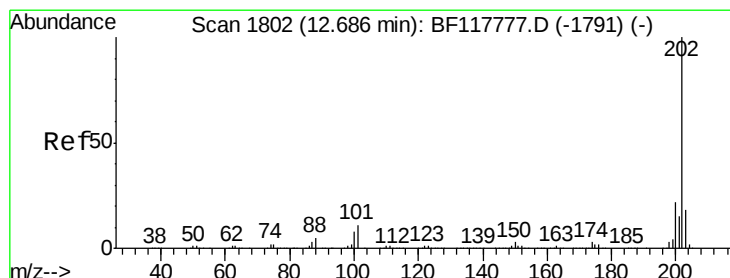
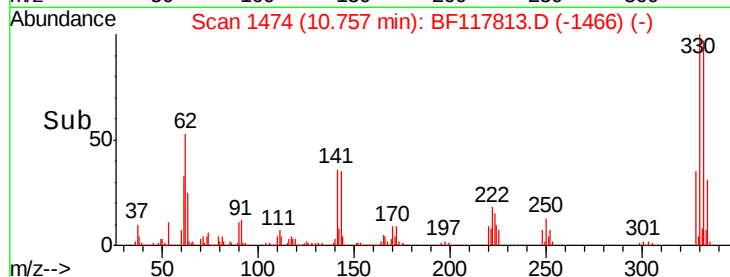
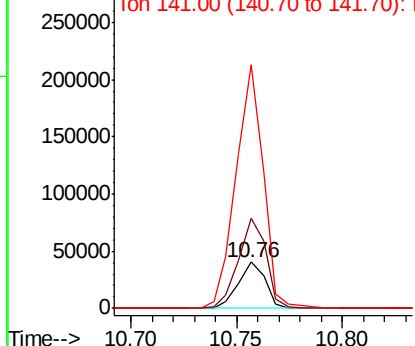
#67  
4-Bromophenyl-phenylether  
Concen: 4.091 ng  
RT: 10.76 min Scan# 1474  
Delta R.T. -0.25 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 35918  
Ion Ratio Lower Upper  
248 100  
250 195.4 76.6 115.0#  
141 525.6 55.9 83.9#

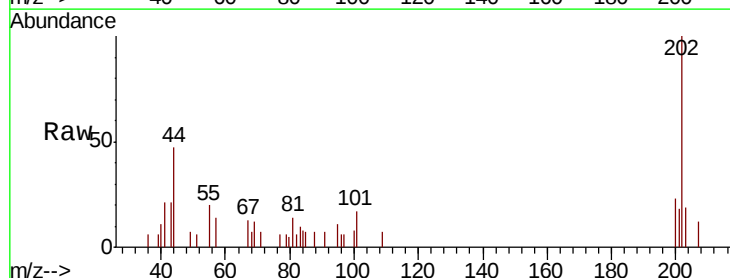


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

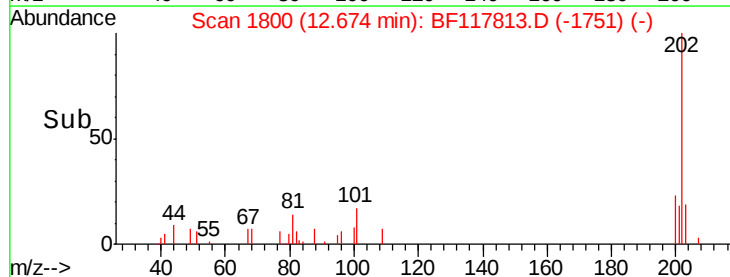
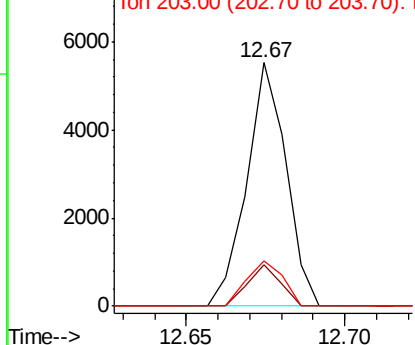


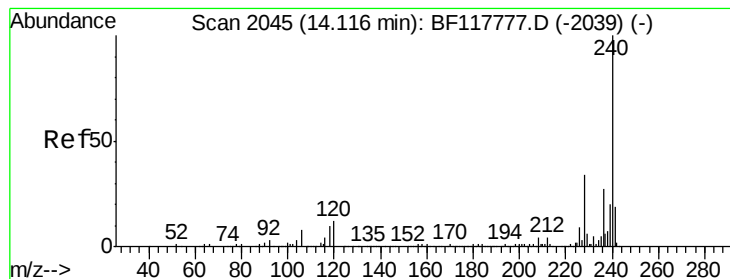
#75  
Fluoranthene  
Concen: Below Cal  
RT: 12.67 min Scan# 1800  
Delta R.T. -0.01 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

Tgt Ion:202 Resp: 4772  
Ion Ratio Lower Upper  
202 100  
101 17.0 0.0 31.1  
203 18.5 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117813.D

Acq: 15 Nov 2019 19:57

Instrument :

BNA\_F

ClientSampleId :

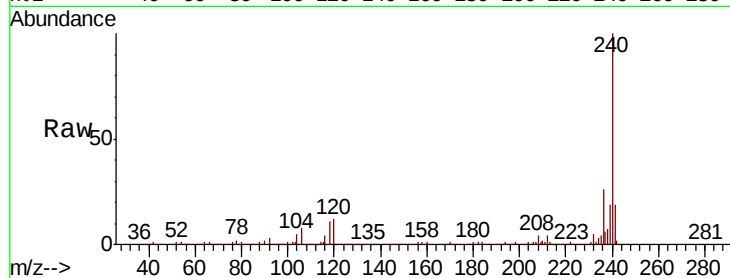
Tot Ion:240 Resp: 578153

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

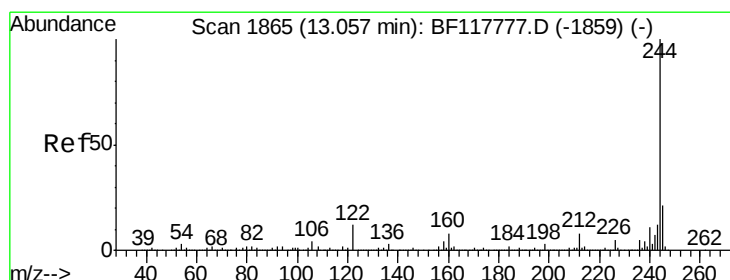
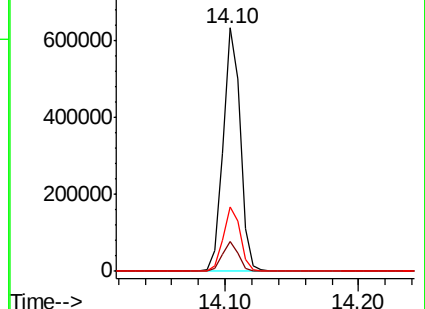
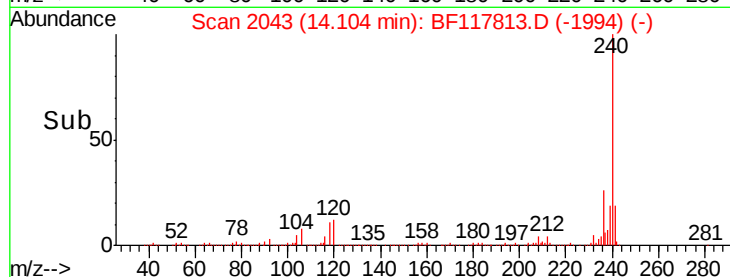
236 26.4 21.3 31.9



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: 74.661 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117813.D

Acq: 15 Nov 2019 19:57

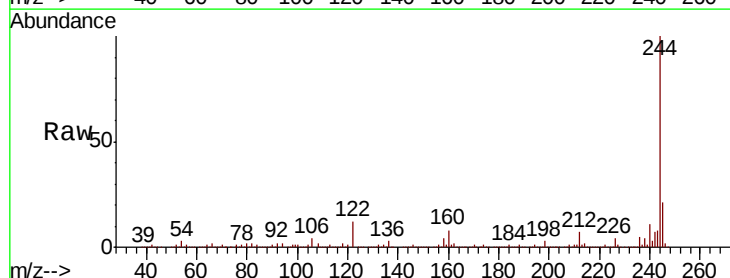
Tgt Ion:244 Resp: 2361844

Ion Ratio Lower Upper

244 100

212 7.4 6.3 9.5

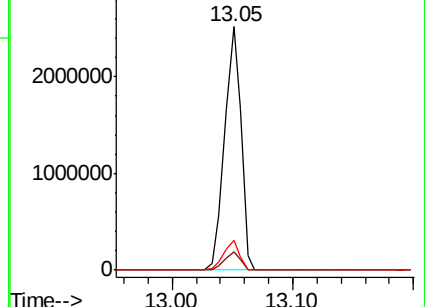
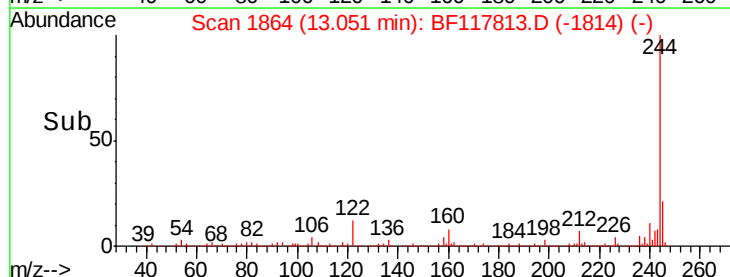
122 12.0 9.4 14.2

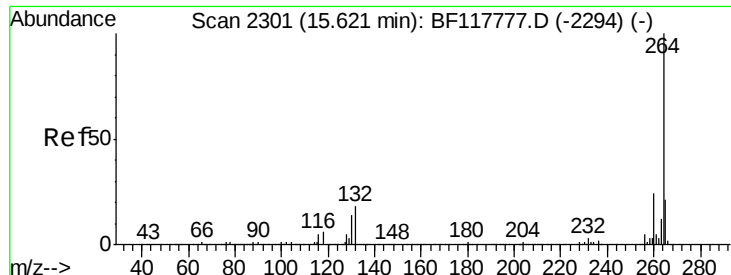


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

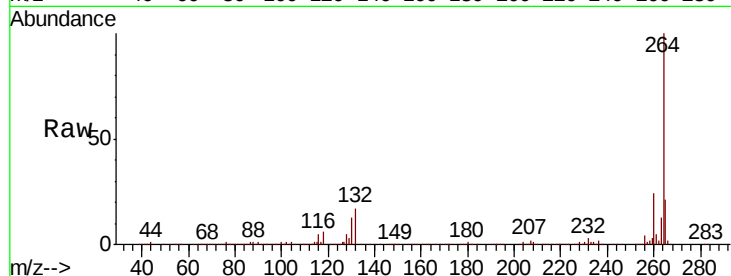




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.62 min Scan# 2300  
Delta R.T. -0.01 min  
Lab File: BF117813.D  
Acq: 15 Nov 2019 19:57

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.4  | 29.0  |
| 265     | 20.9  | 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

