

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\  
 Data File : BF117805.D  
 Acq On : 15 Nov 2019 16:20  
 Operator : JU  
 Sample : K5861-06  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 18 01:39:56 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  | 226615   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.20  | 136  | 860166   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.97  | 164  | 456527   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.46 | 188  | 860648   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 14.11 | 240  | 635898   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.62 | 264  | 640760   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.53  | 112  | 1440551  | 112.52 | ng    | 0.00     |
| 7) Phenol-d6                | 6.54  | 99   | 1771517  | 114.72 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 1078710  | 74.55  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.76 | 330  | 531770   | 110.02 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.29  | 172  | 2015429  | 79.20  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.05 | 244  | 2367343  | 68.04  | ng    | 0.00     |

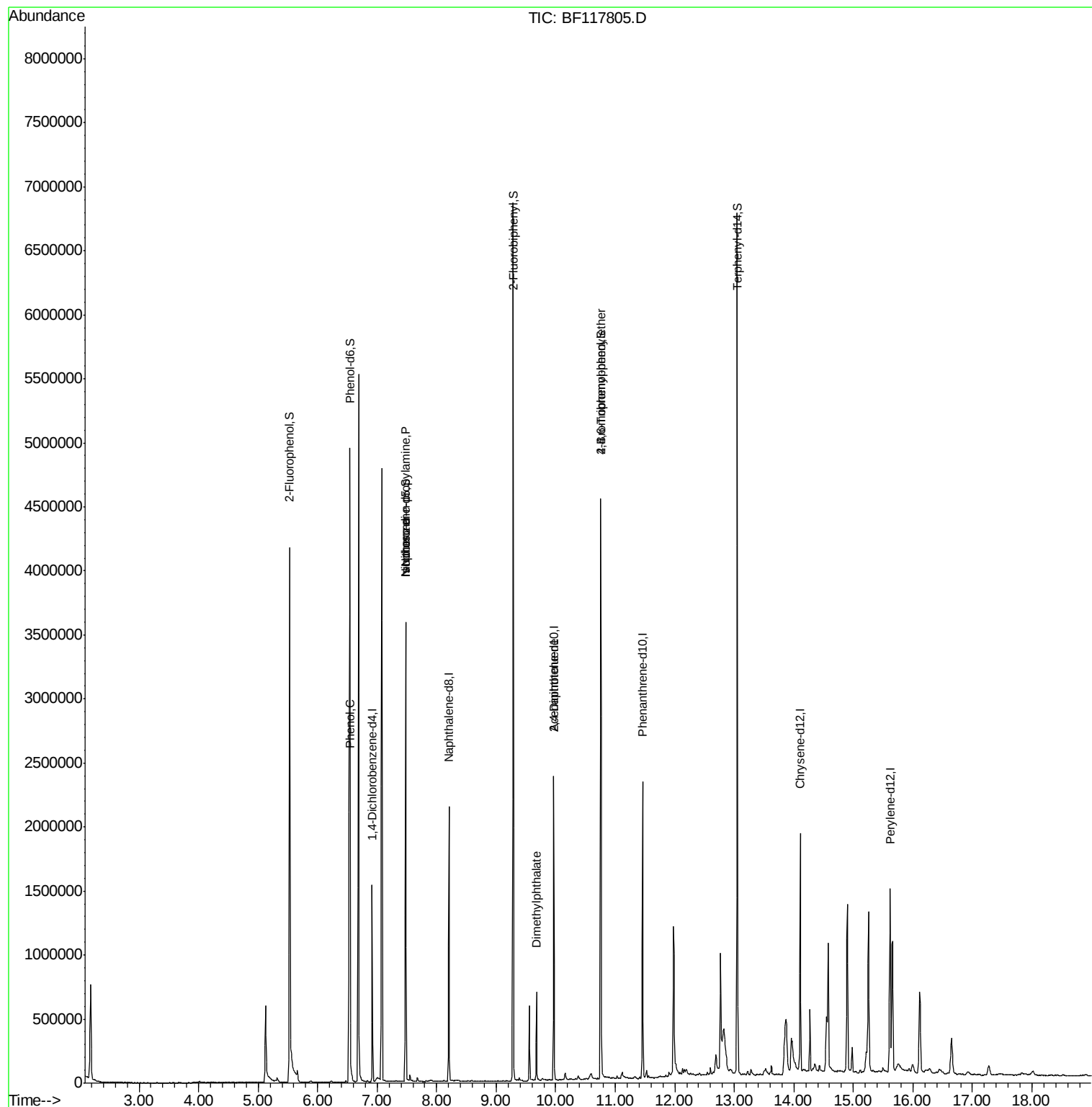
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 6.54  | 77   | 3966     | Below Cal | #     | 1      |
| 10) Phenol                     | 6.55  | 94   | 79283    | 4.941     | ng    | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.48  | 70   | 148382   | 15.576    | ng    | 75     |
| 25) Isophorone                 | 7.48  | 82   | 1078687  | 40.673    | ng    | 62     |
| 50) Dimethylphthalate          | 9.67  | 163  | 234739   | 7.332     | ng    | 99     |
| 57) 2,4-Dinitrotoluene         | 9.97  | 165  | 59607    | 6.697     | ng    | 25     |
| 67) 4-Bromophenyl-phenylether  | 10.76 | 248  | 33880    | 3.648     | ng    | 1      |
| 75) Fluoranthene               | 12.67 | 202  | 980      | Below Cal | #     | 40     |

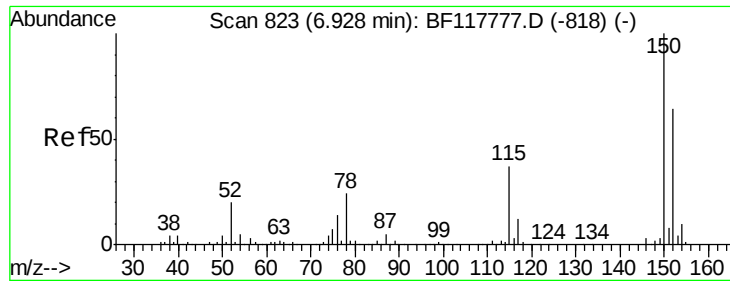
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Nov 18 01:39:56 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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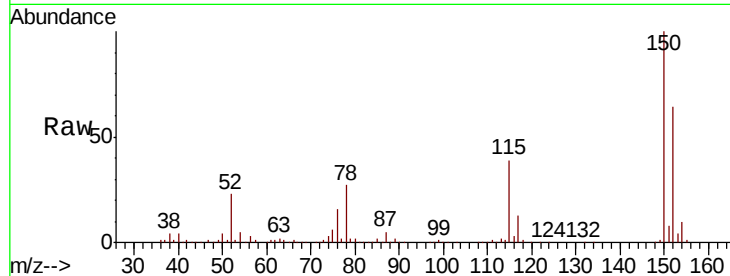


#1

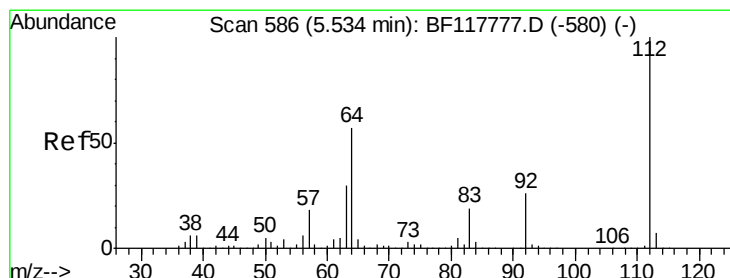
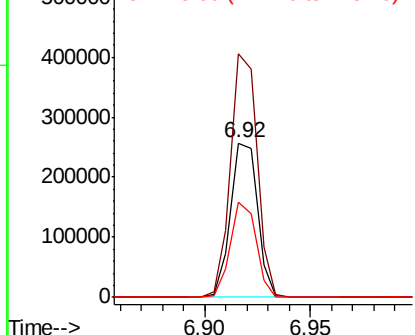
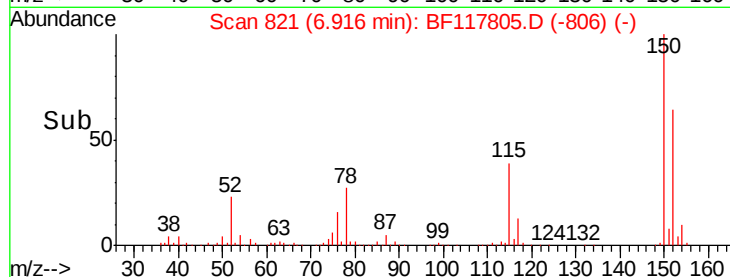
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.92 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BF117805.D  
Acq: 15 Nov 2019 16:20

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 226615  
Ion Ratio Lower Upper  
152 100  
150 157.5 125.3 187.9  
115 61.8 47.0 70.4



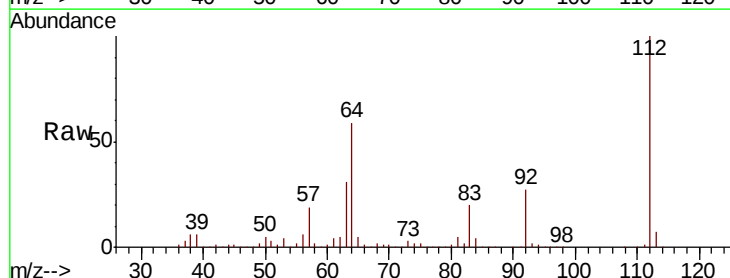
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



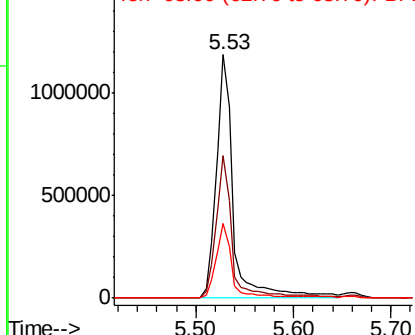
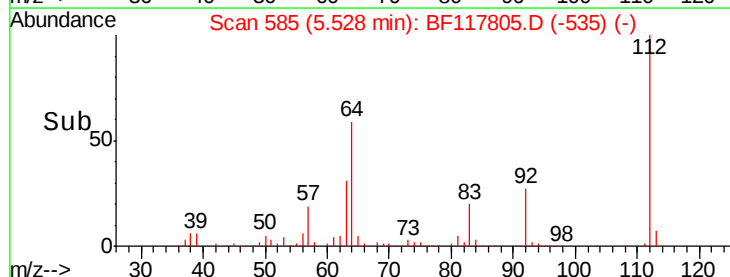
#5

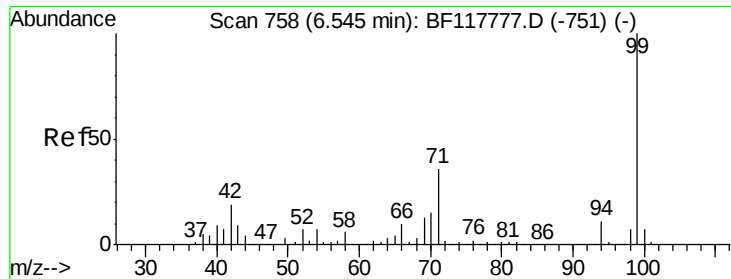
2-Fluorophenol  
Concen: 112.522 ng  
RT: 5.53 min Scan# 585  
Delta R.T. -0.01 min  
Lab File: BF117805.D  
Acq: 15 Nov 2019 16:20

Tgt Ion:112 Resp: 1440551  
Ion Ratio Lower Upper  
112 100  
64 58.8 45.6 68.4  
63 30.8 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: 114.723 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117805.D

Acq: 15 Nov 2019 16:20

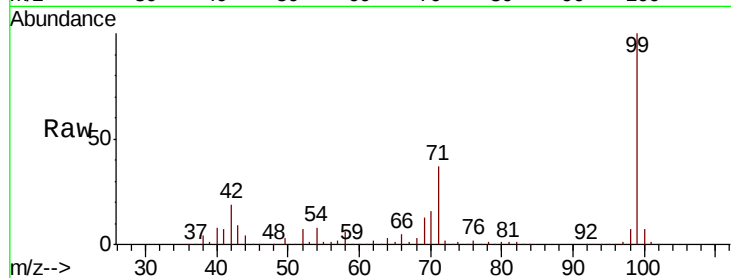
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 1771517

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.0  | 14.9  | 22.3  |
| 71  | 36.7  | 28.6  | 43.0  |

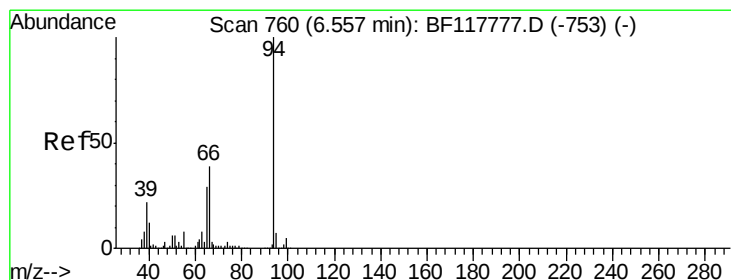
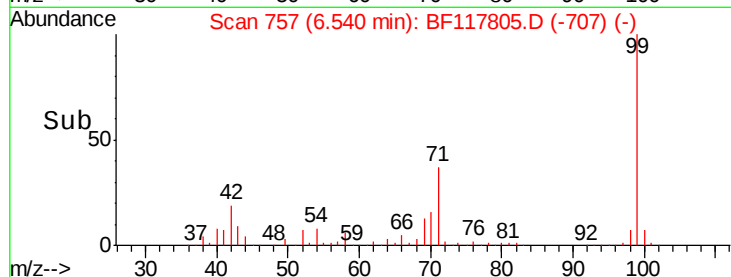
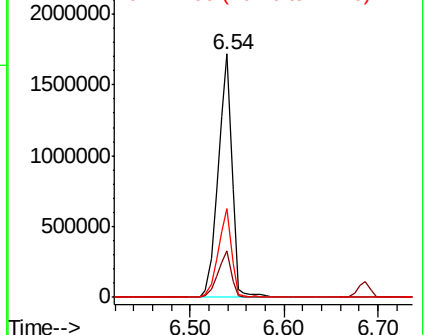


Abundance

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



#10

Phenol

Concen: 4.941 ng

RT: 6.55 min Scan# 759

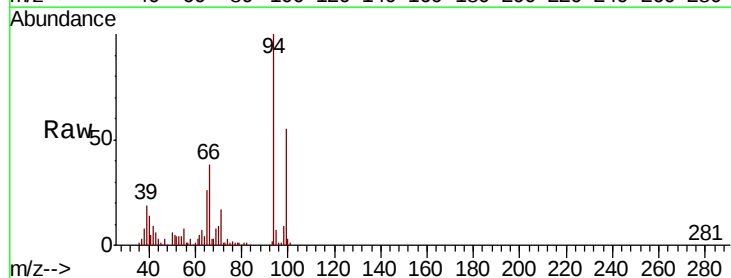
Delta R.T. -0.01 min

Lab File: BF117805.D

Acq: 15 Nov 2019 16:20

Tgt Ion: 94 Resp: 79283

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 25.7  | 8.9   | 48.9  |
| 66  | 37.8  | 18.7  | 58.7  |

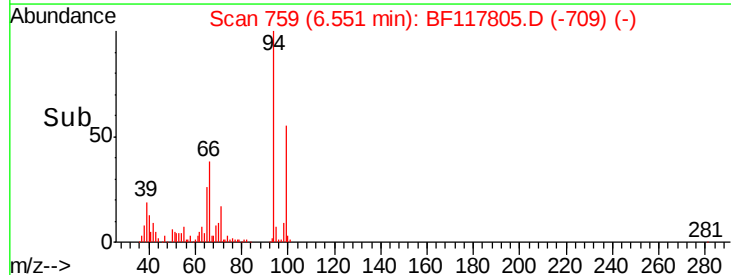
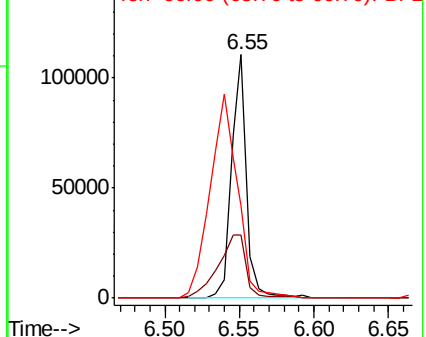


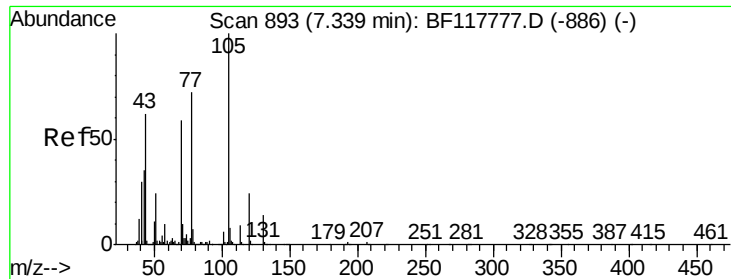
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

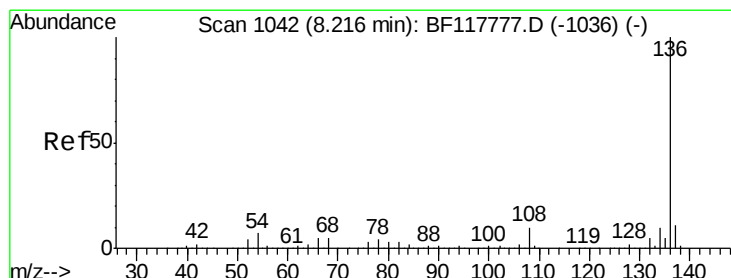
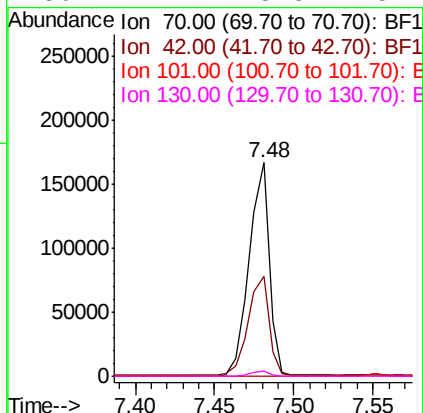
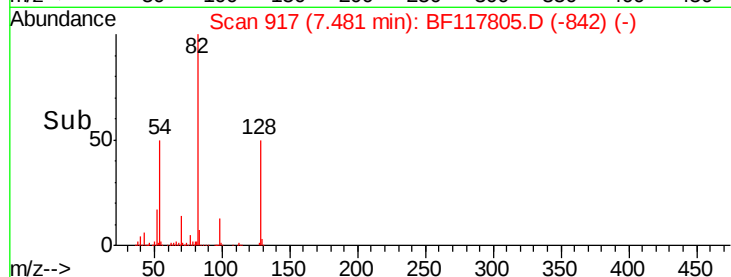
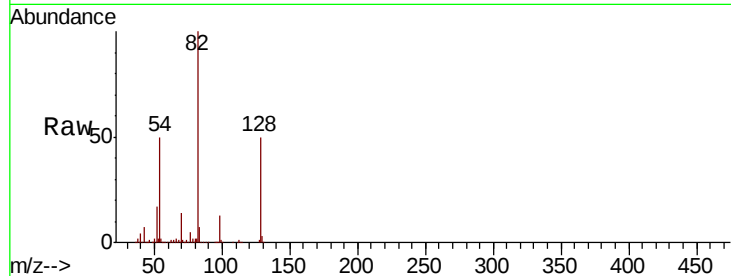




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.576 ng  
RT: 7.48 min Scan# 917  
Delta R.T. 0.14 min  
Lab File: BF117805.D  
Acq: 15 Nov 2019 16:20

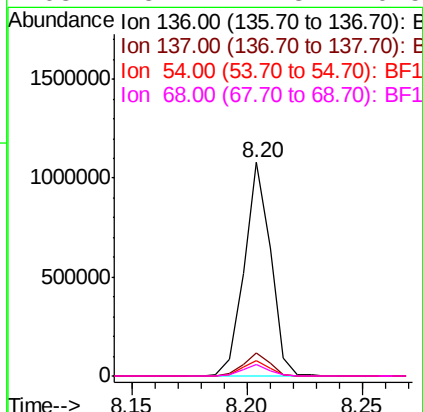
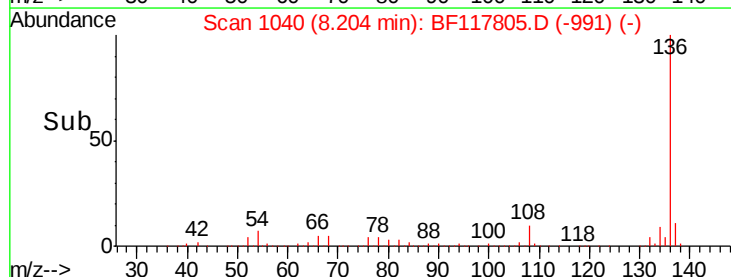
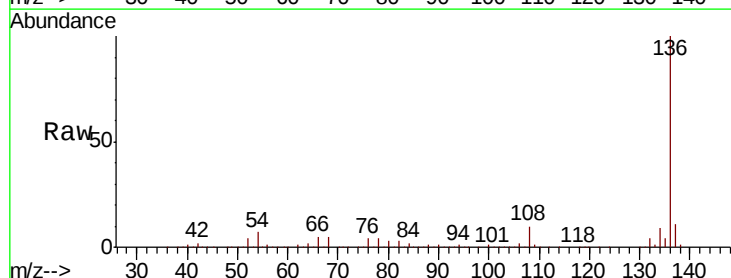
Instrument :  
BNA\_F  
ClientSampled :

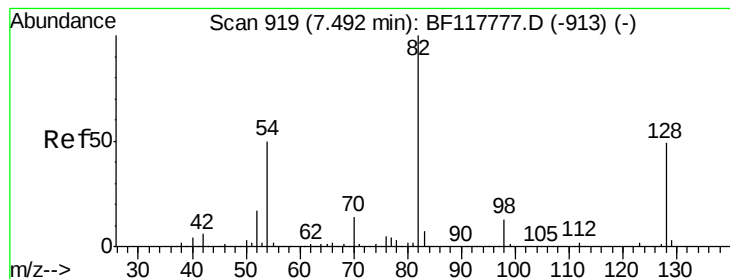
Tot Ion: 70 Resp: 148382  
Ion Ratio Lower Upper  
70 100  
42 46.8 47.4 71.2#  
101 0.0 8.4 12.6#  
130 2.4 18.8 28.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.20 min Scan# 1040  
Delta R.T. -0.01 min  
Lab File: BF117805.D  
Acq: 15 Nov 2019 16:20

Tgt Ion: 136 Resp: 860166  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.0 13.4  
54 7.3 5.4 8.2  
68 5.4 4.3 6.5





#23

Nitrobenzene-d5

Concen: 74.549 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF117805.D

Acq: 15 Nov 2019 16:20

Instrument :

BNA\_F

ClientSampleId :

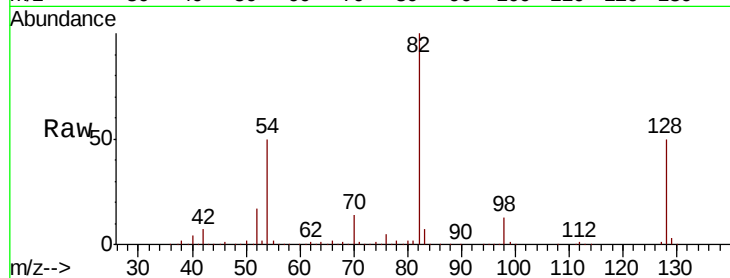
Tot Ion: 82 Resp: 1078710

Ion Ratio Lower Upper

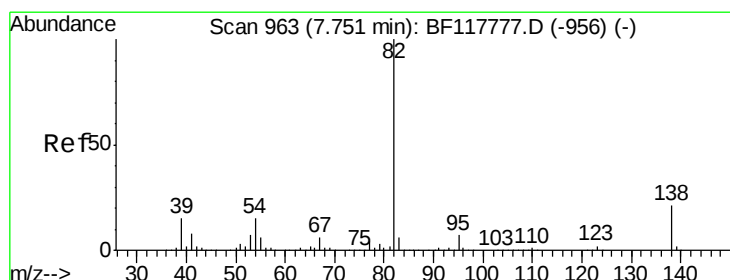
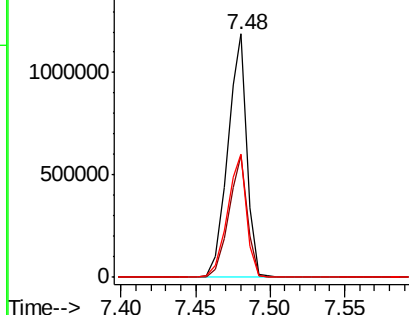
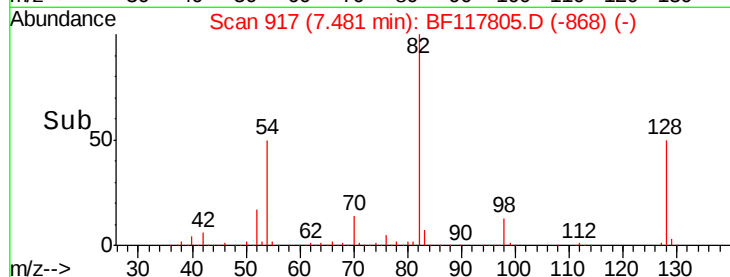
82 100

128 50.1 38.9 58.3

54 50.4 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: 40.673 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.27 min

Lab File: BF117805.D

Acq: 15 Nov 2019 16:20

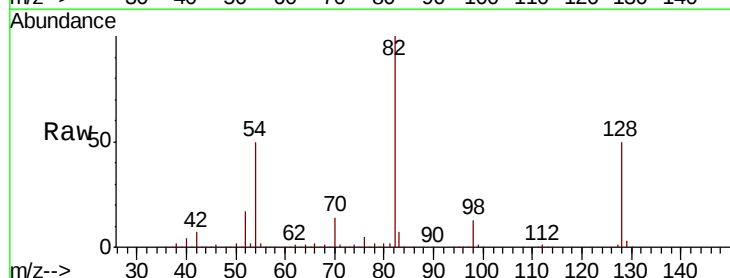
Tgt Ion: 82 Resp: 1078687

Ion Ratio Lower Upper

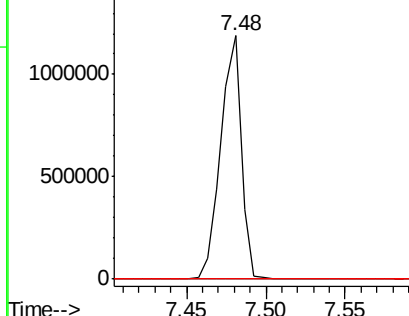
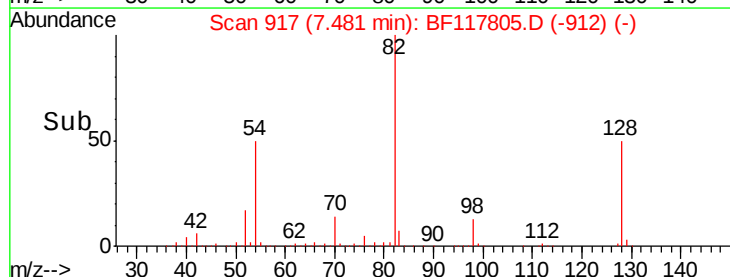
82 100

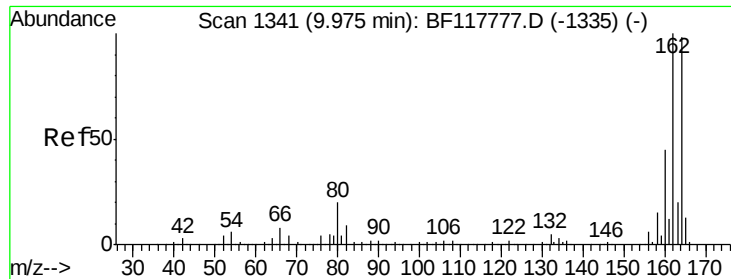
95 0.0 5.8 8.8#

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

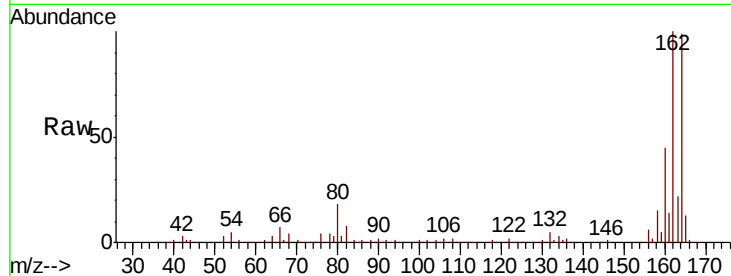




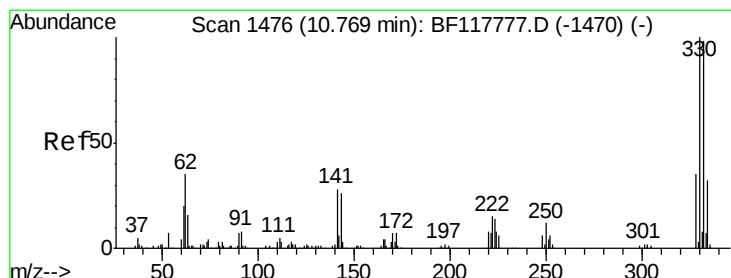
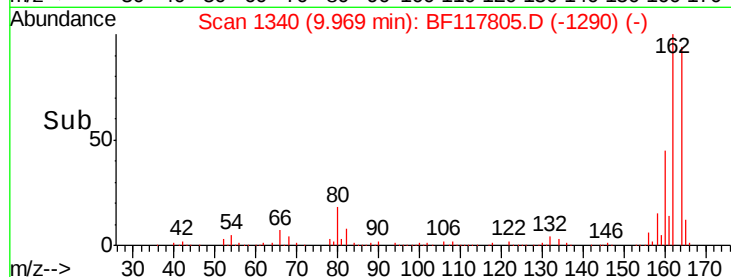
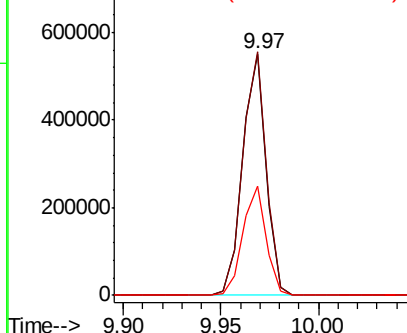
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF117805.D  
Acq: 15 Nov 2019 16:20

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 456527  
Ion Ratio Lower Upper  
164 100  
162 101.0 81.3 121.9  
160 45.5 36.6 55.0

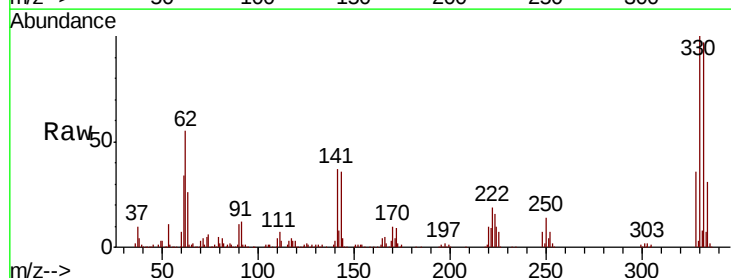


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

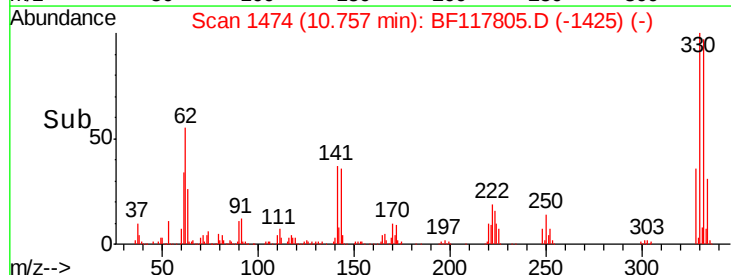
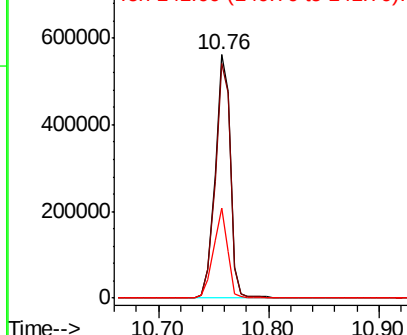


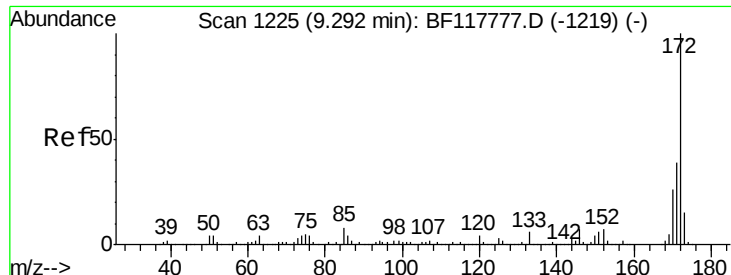
#42  
2,4,6-Tribromophenol  
Concen: 110.024 ng  
RT: 10.76 min Scan# 1474  
Delta R.T. -0.01 min  
Lab File: BF117805.D  
Acq: 15 Nov 2019 16:20

Tgt Ion:330 Resp: 531770  
Ion Ratio Lower Upper  
330 100  
332 97.0 76.7 115.1  
141 34.5 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

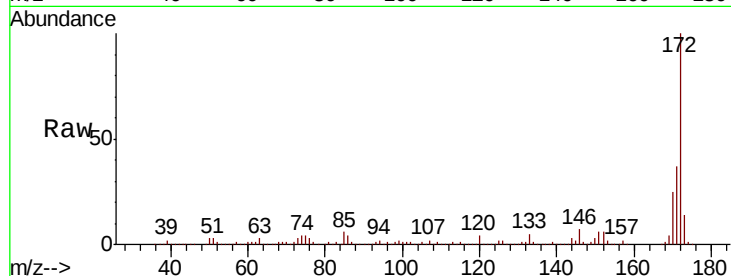




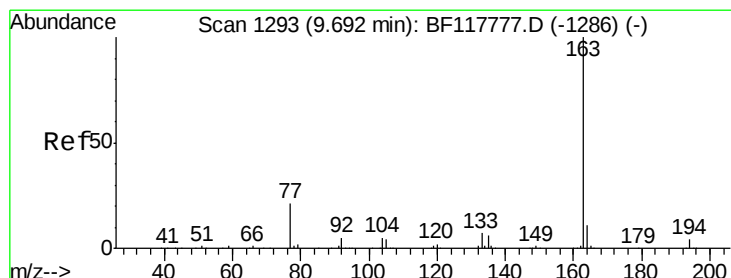
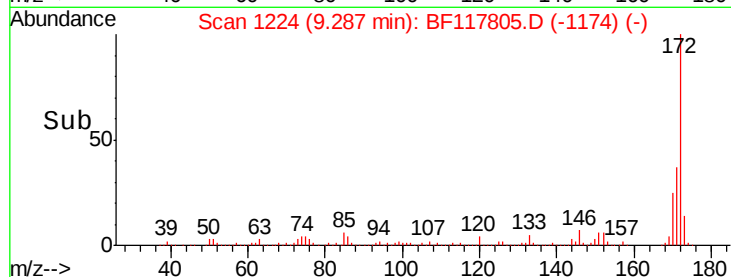
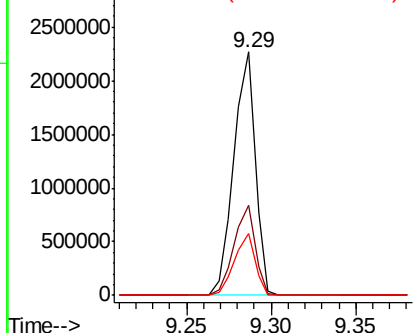
#45  
2-Fluorobiphenyl  
Concen: 79.201 ng  
RT: 9.29 min Scan# 1224  
Delta R.T. -0.01 min  
Lab File: BF117805.D  
Acq: 15 Nov 2019 16:20

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 2015429  
Ion Ratio Lower Upper  
172 100  
171 37.2 30.9 46.3  
170 25.2 21.0 31.4

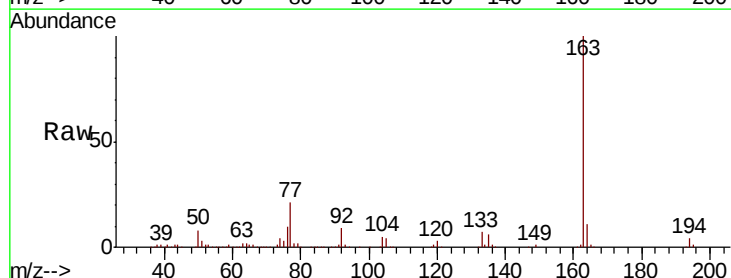


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

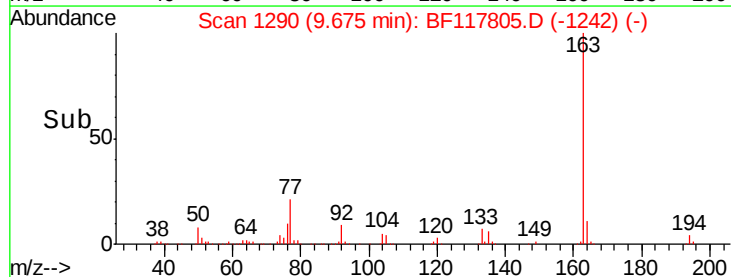
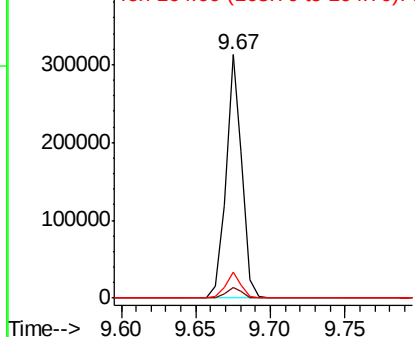


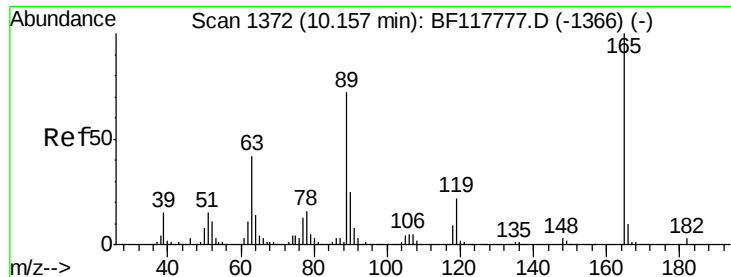
#50  
Dimethylphthalate  
Concen: 7.332 ng  
RT: 9.67 min Scan# 1290  
Delta R.T. -0.02 min  
Lab File: BF117805.D  
Acq: 15 Nov 2019 16:20

Tgt Ion:163 Resp: 234739  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.3 4.9  
164 10.5 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

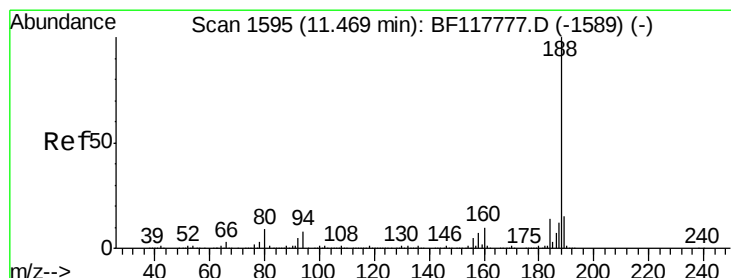
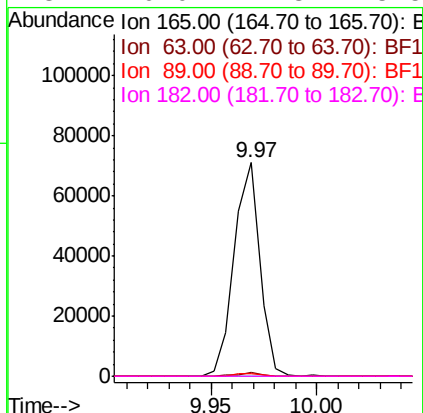
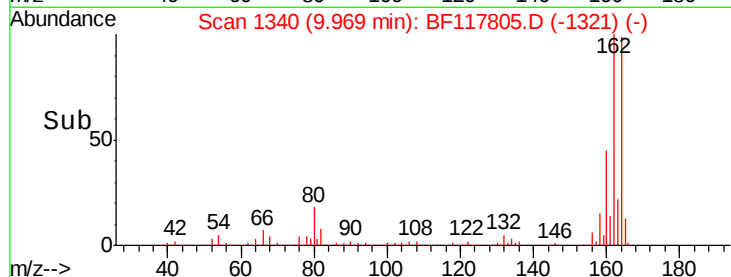
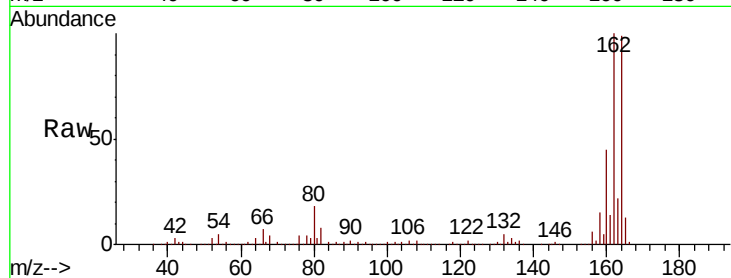




#57  
 2,4-Dinitrotoluene  
 Concen: 6.697 ng  
 RT: 9.97 min Scan# 1340  
 Delta R.T. -0.19 min  
 Lab File: BF117805.D  
 Acq: 15 Nov 2019 16:20

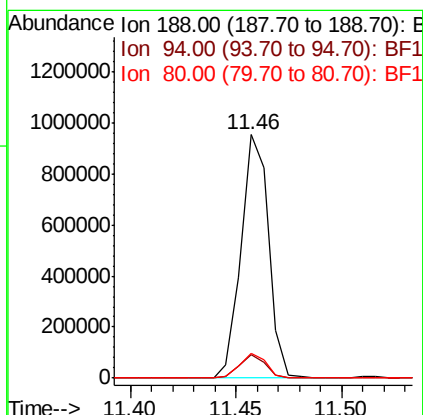
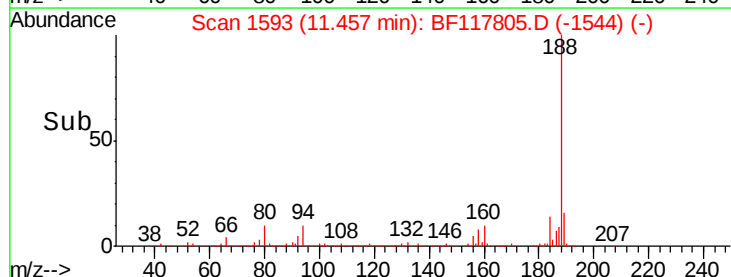
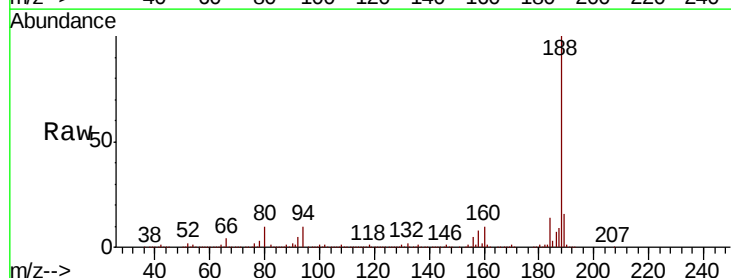
Instrument :  
 BNA\_F  
 ClientSampled :

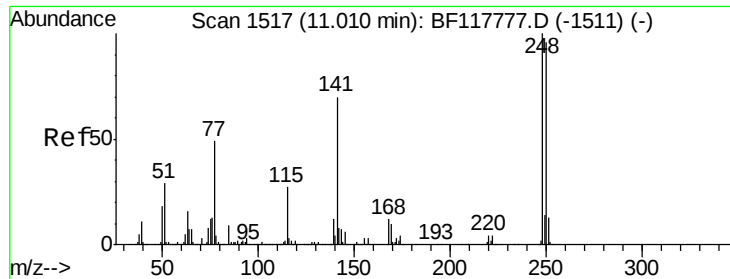
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 33.7  | 50.5# |
| 89      | 1.4   | 57.3  | 85.9# |
| 182     | 0.0   | 2.3   | 3.5#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.46 min Scan# 1593  
 Delta R.T. -0.01 min  
 Lab File: BF117805.D  
 Acq: 15 Nov 2019 16:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.7   | 6.6   | 10.0  |
| 80      | 10.3  | 7.2   | 10.8  |

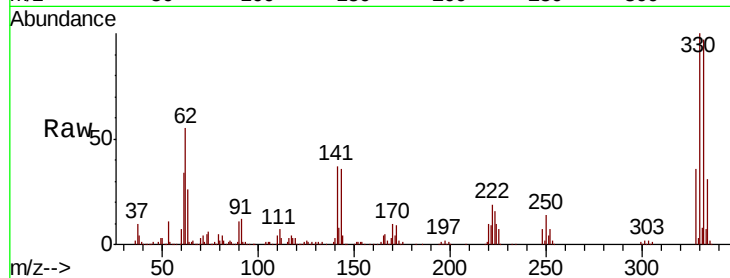




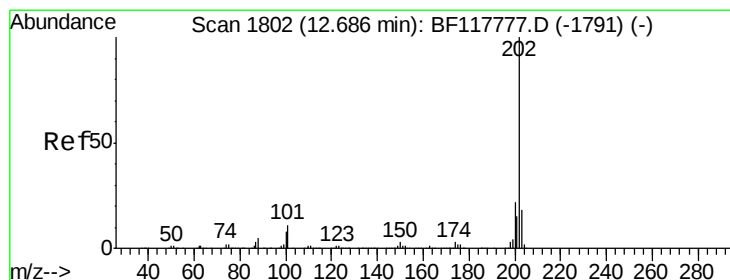
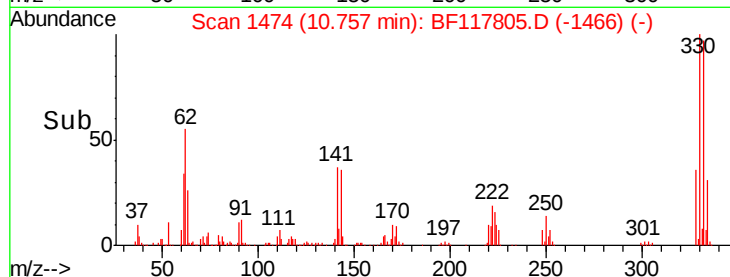
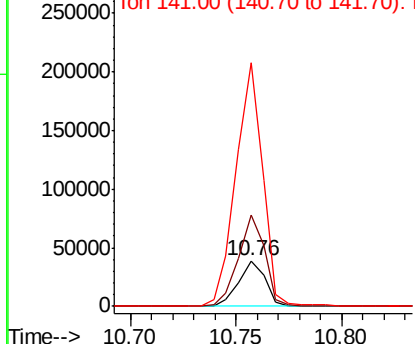
#67  
4-Bromophenyl-phenylether  
Concen: 3.648 ng  
RT: 10.76 min Scan# 1474  
Delta R.T. -0.25 min  
Lab File: BF117805.D  
Acq: 15 Nov 2019 16:20

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 33880  
Ion Ratio Lower Upper  
248 100  
250 202.2 76.6 115.0#  
141 537.0 55.9 83.9#

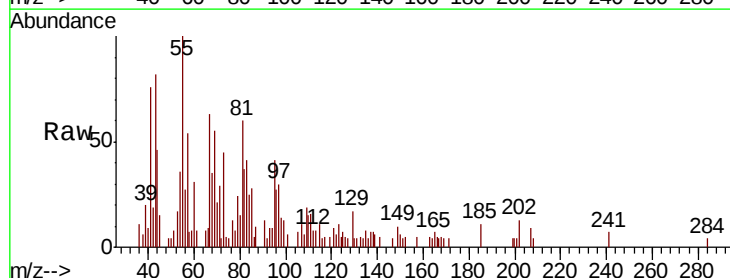


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

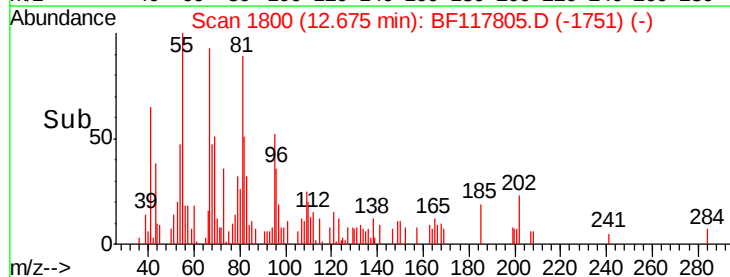
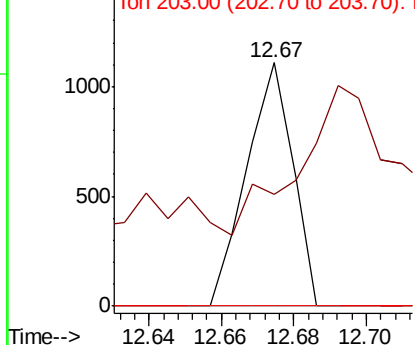


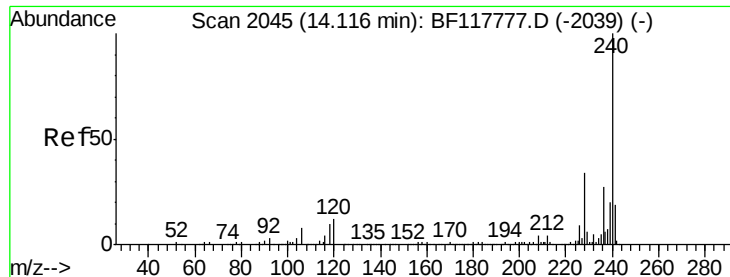
#75  
Fluoranthene  
Concen: Below Cal  
RT: 12.67 min Scan# 1800  
Delta R.T. -0.01 min  
Lab File: BF117805.D  
Acq: 15 Nov 2019 16:20

Tgt Ion:202 Resp: 980  
Ion Ratio Lower Upper  
202 100  
101 45.8 0.0 31.1#  
203 0.0 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

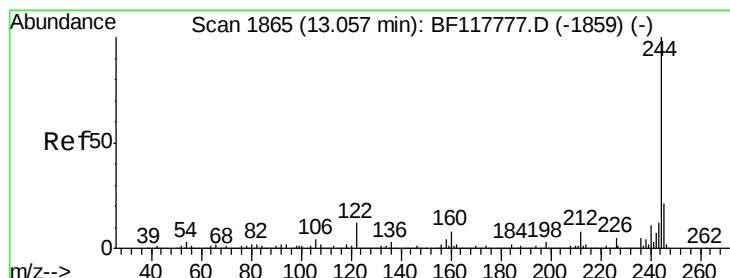
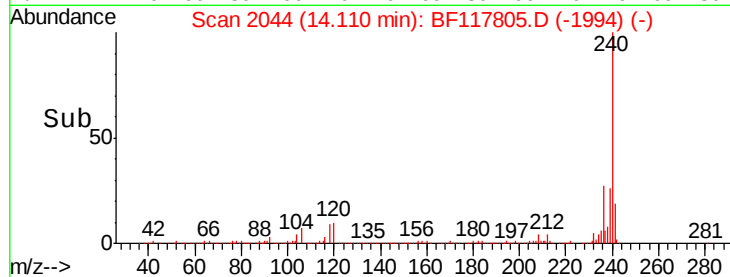
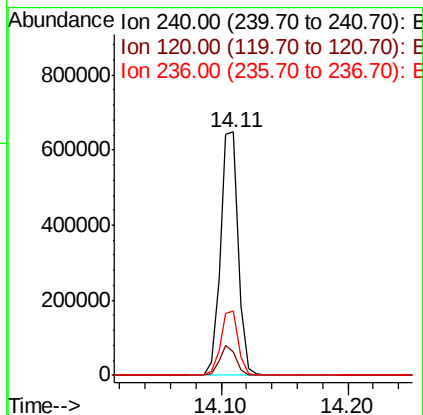
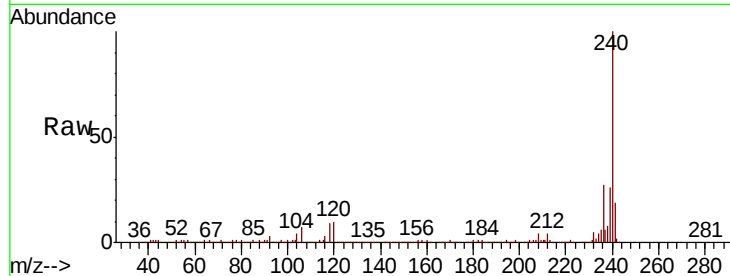




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.11 min Scan# 2044  
 Delta R.T. -0.01 min  
 Lab File: BF117805.D  
 Acq: 15 Nov 2019 16:20

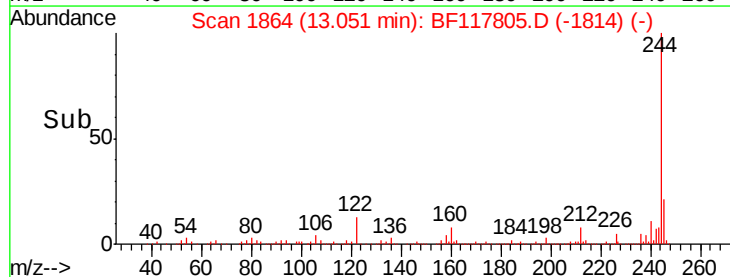
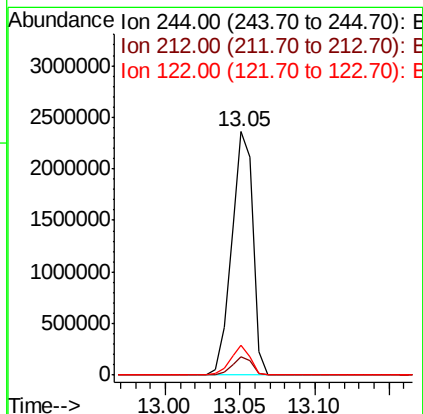
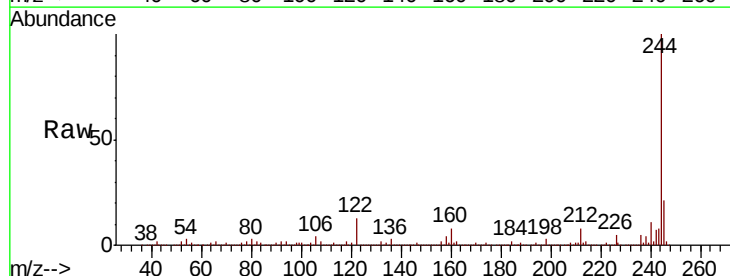
Instrument :  
 BNA\_F  
 ClientSampleId :

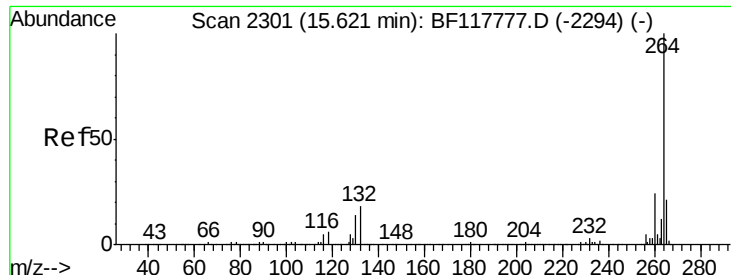
Tot Ion:240 Resp: 635898  
 Ion Ratio Lower Upper  
 240 100  
 120 9.9 9.5 14.3  
 236 26.7 21.3 31.9



#79  
 Terphenyl-d14  
 Concen: 68.039 ng  
 RT: 13.05 min Scan# 1864  
 Delta R.T. -0.01 min  
 Lab File: BF117805.D  
 Acq: 15 Nov 2019 16:20

Tgt Ion:244 Resp: 2367343  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.3 9.5  
 122 12.5 9.4 14.2

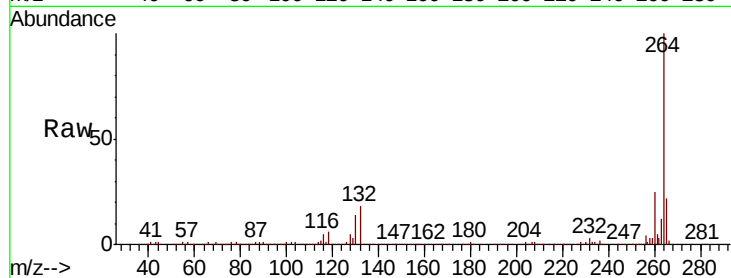




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.62 min Scan# 2300  
 Delta R.T. -0.01 min  
 Lab File: BF117805.D  
 Acq: 15 Nov 2019 16:20

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 640760 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.9  | 19.4  | 29.0   |
| 265      | 22.2  | 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

