

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031120\  
 Data File : BF119354.D  
 Acq On : 11 Mar 2020 19:10  
 Operator : CG/JU  
 Sample : L1871-10  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 12 05:10:00 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 06 23:38:46 2020  
 Response via : Initial Calibration

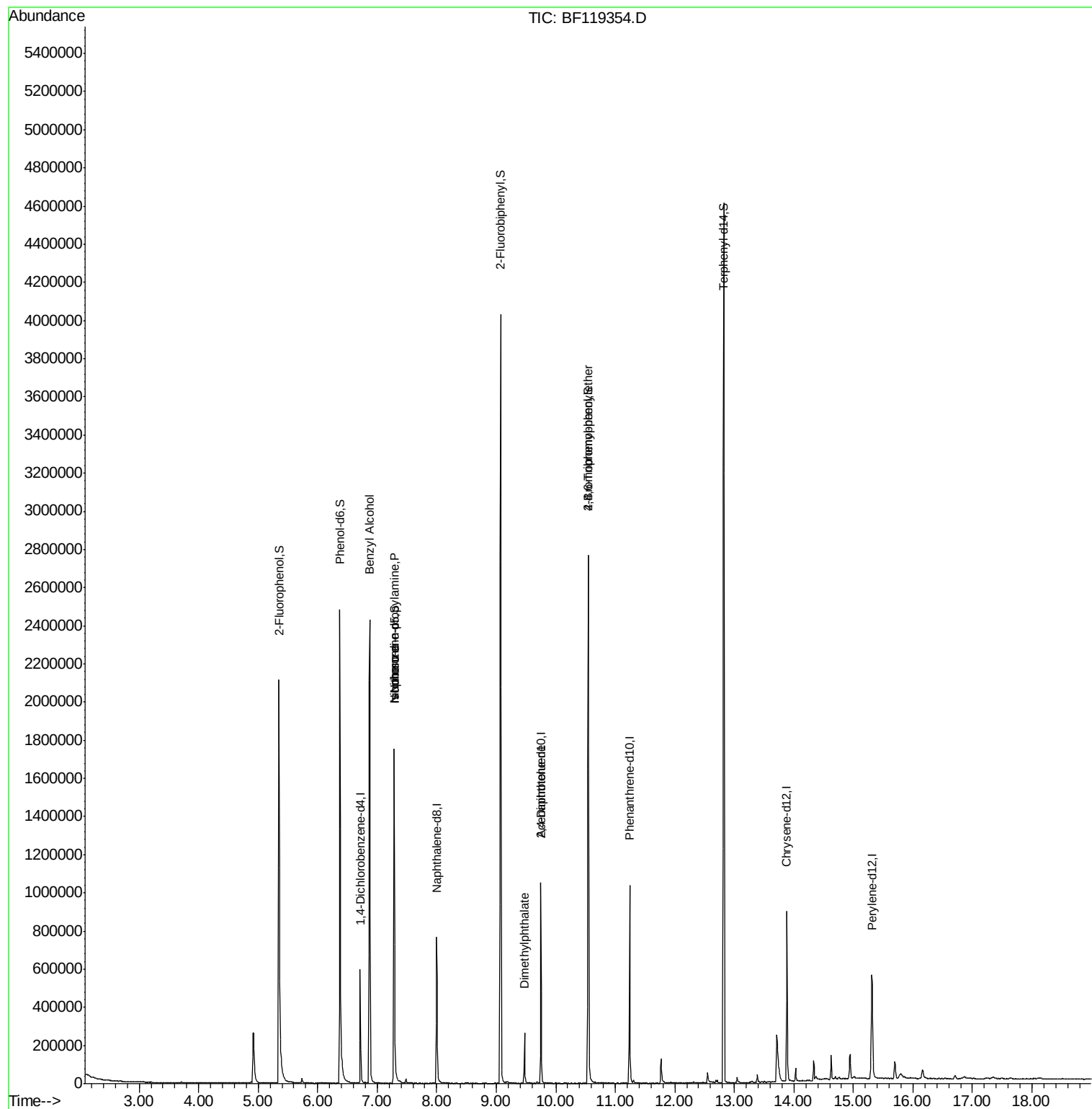
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 98677    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 380452   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.75  | 164  | 213177   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.24 | 188  | 427589   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.88 | 240  | 306676   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.31 | 264  | 279536   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.35  | 112  | 794311   | 134.52 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.37  | 99   | 974504   | 135.70 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 647783   | 89.90  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.55 | 330  | 375659   | 134.71 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.07  | 172  | 1250563  | 86.42  | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.82 | 244  | 1740091  | 97.69  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.87  | 79   | 10998    | 2.119  | ng    | # 45     |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 89634    | 21.421 | ng    | # 76     |
| 25) Isophorone                 | 7.29  | 82   | 647783   | 51.765 | ng    | # 63     |
| 50) Dimethylphthalate          | 9.47  | 163  | 131170   | 8.047  | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.75  | 165  | 27393    | 5.835  | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether  | 10.55 | 248  | 24123    | 4.316  | ng    | # 1      |

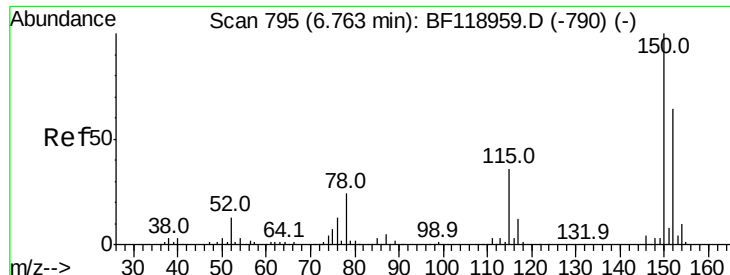
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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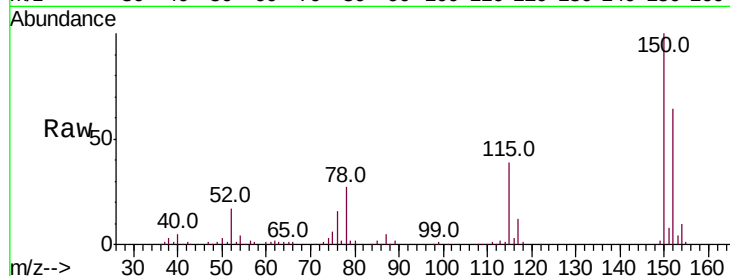


#1

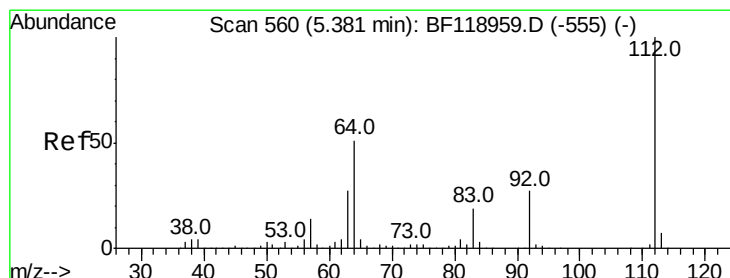
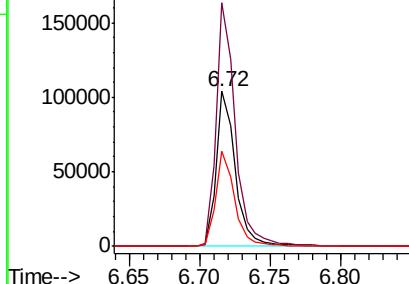
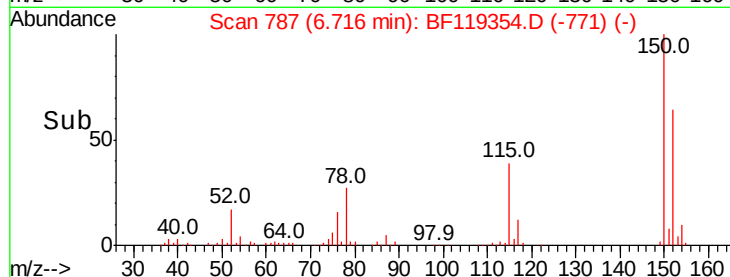
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 787  
Delta R.T. -0.01 min  
Lab File: BF119354.D  
Acq: 11 Mar 2020 19:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 98677  
Ion Ratio Lower Upper  
152 100  
150 157.4 123.0 184.6  
115 61.1 49.5 74.3



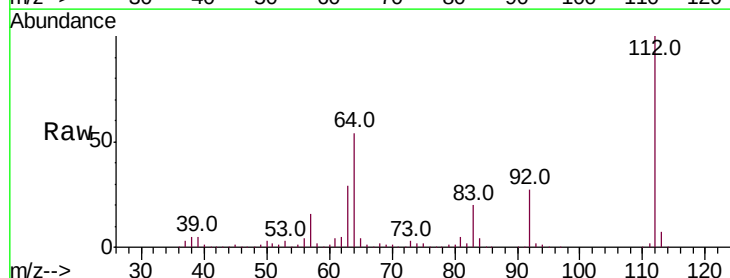
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



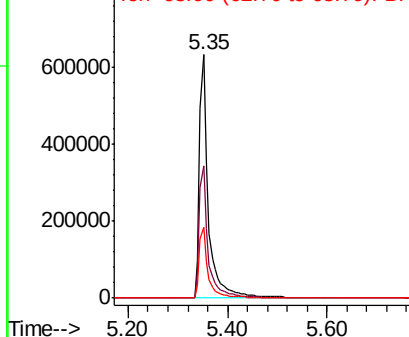
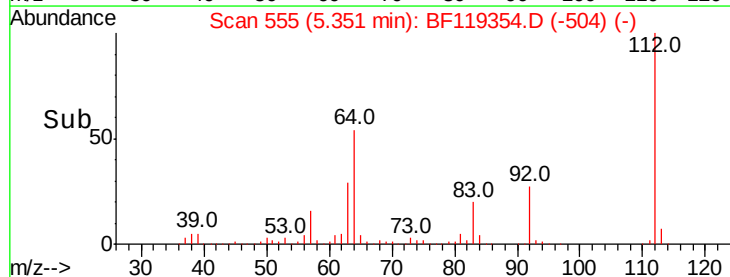
#5

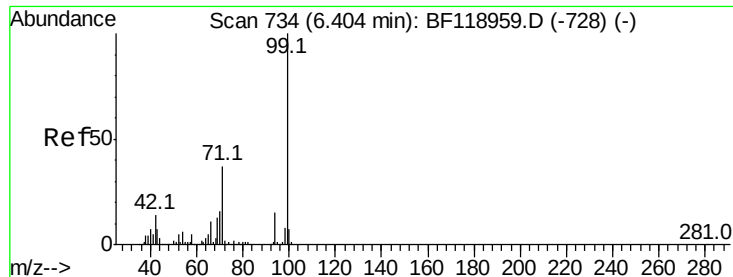
2-Fluorophenol  
Concen: 134.523 ng  
RT: 5.35 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BF119354.D  
Acq: 11 Mar 2020 19:10

Tgt Ion:112 Resp: 794311  
Ion Ratio Lower Upper  
112 100  
64 54.1 45.0 67.4  
63 29.3 24.2 36.4



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: 135.703 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF119354.D

Acq: 11 Mar 2020 19:10

Instrument :

BNA\_F

ClientSampleId :

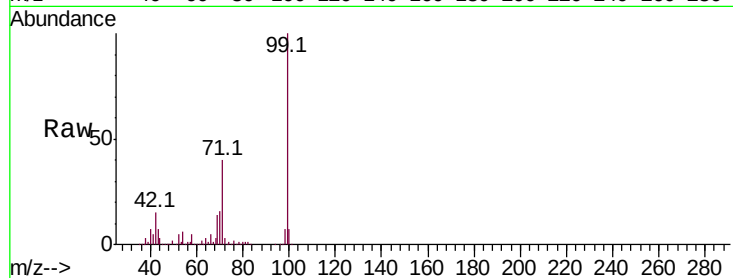
Tot Ion: 99 Resp: 974504

Ion Ratio Lower Upper

99 100

42 15.3 12.6 18.8

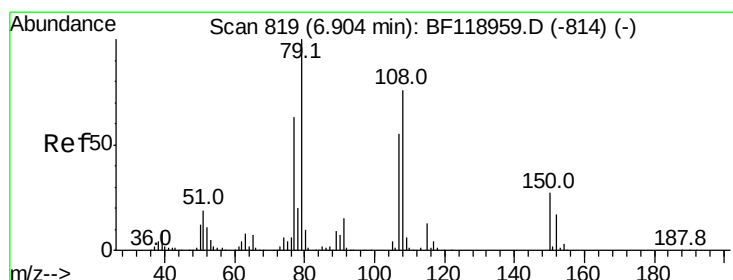
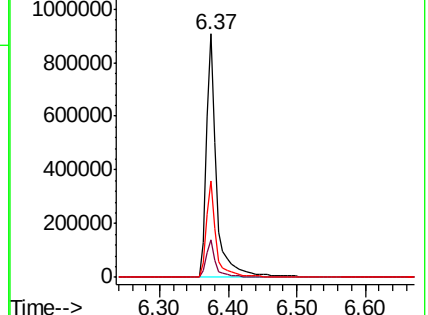
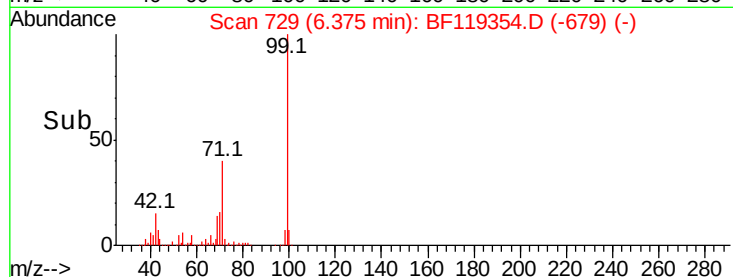
71 39.8 31.0 46.4



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



#15

Benzyl Alcohol

Concen: 2.119 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF119354.D

Acq: 11 Mar 2020 19:10

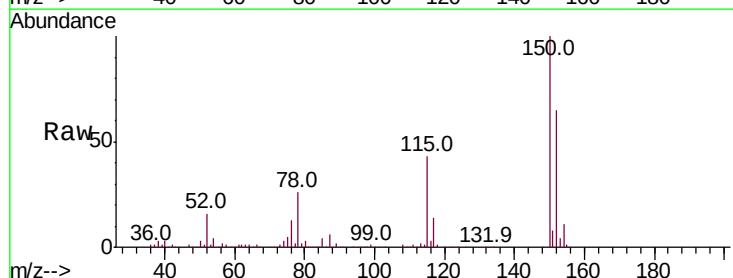
Tgt Ion: 79 Resp: 10998

Ion Ratio Lower Upper

79 100

108 33.2 58.2 87.2#

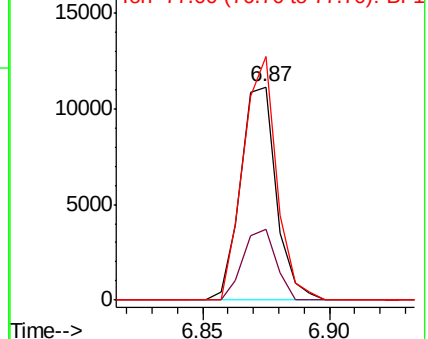
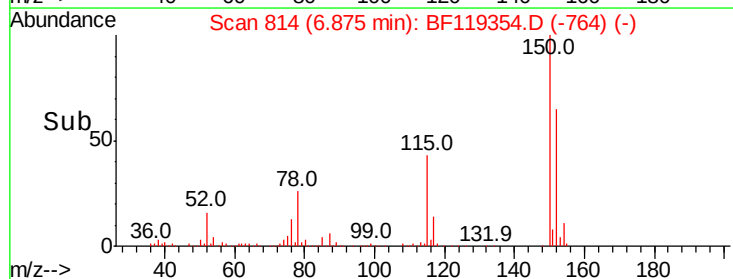
77 114.1 51.2 76.8#

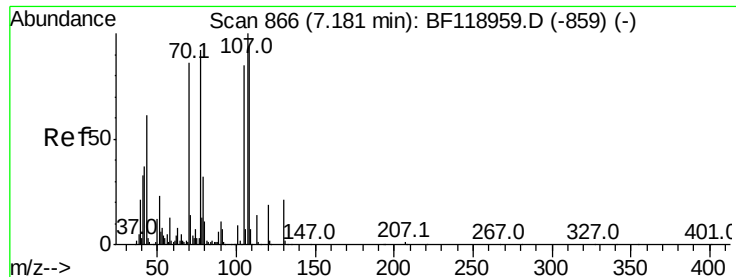


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

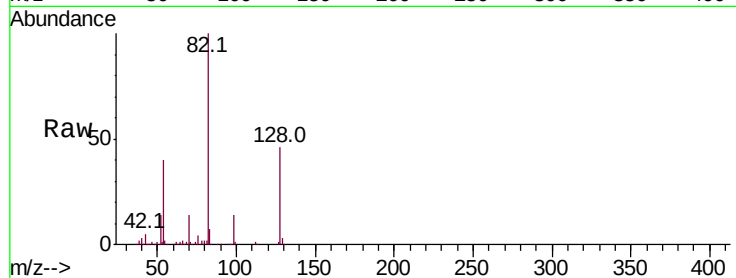




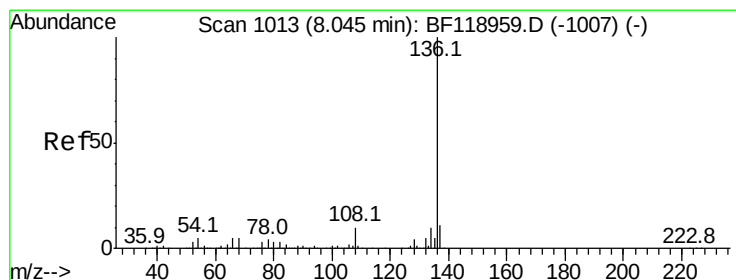
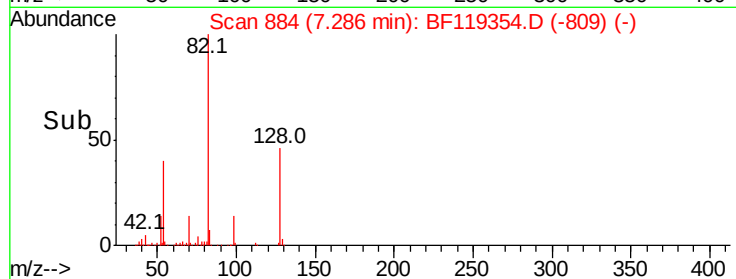
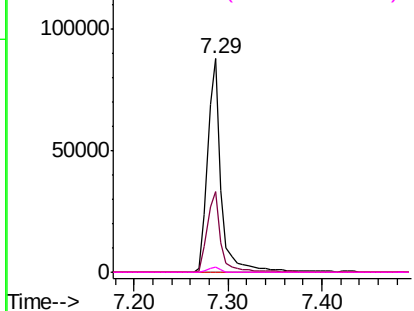
#19  
n-Nitroso-di-n-propylamine  
Concen: 21.421 ng  
RT: 7.29 min Scan# 884  
Delta R.T. 0.14 min  
Lab File: BF119354.D  
Acq: 11 Mar 2020 19:10

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 70 Resp: 89634  
Ion Ratio Lower Upper  
70 100  
42 38.0 38.0 57.0#  
101 0.0 8.2 12.4#  
130 2.5 18.2 27.4#

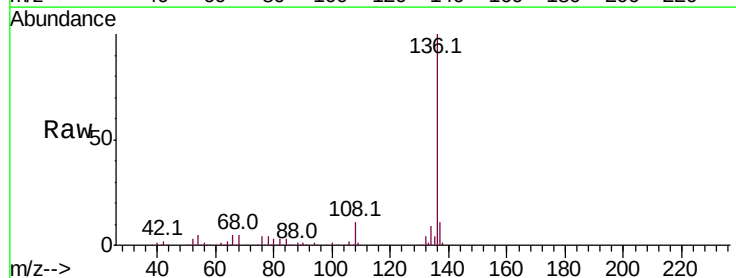


Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): BF1  
Ion 130.00 (129.70 to 130.70): BF1

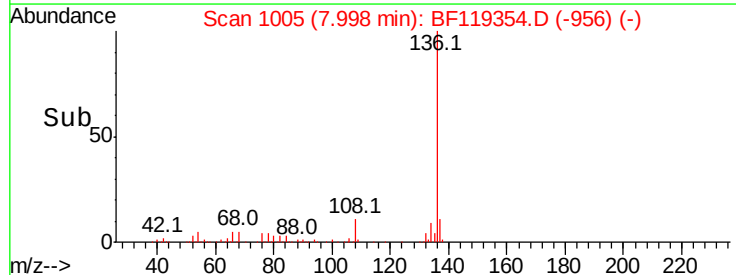
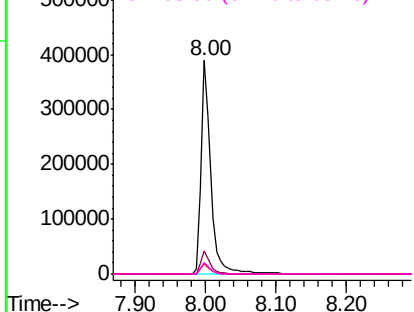


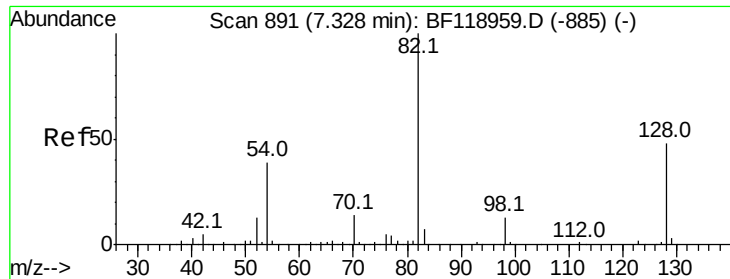
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: BF119354.D  
Acq: 11 Mar 2020 19:10

Tgt Ion: 136 Resp: 380452  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.8 13.2  
54 5.0 3.8 5.6  
68 5.4 3.9 5.9



Abundance Ion 136.00 (135.70 to 136.70): BF1  
Ion 137.00 (136.70 to 137.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 89.901 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF119354.D

Acq: 11 Mar 2020 19:10

Instrument :

BNA\_F

ClientSampled :

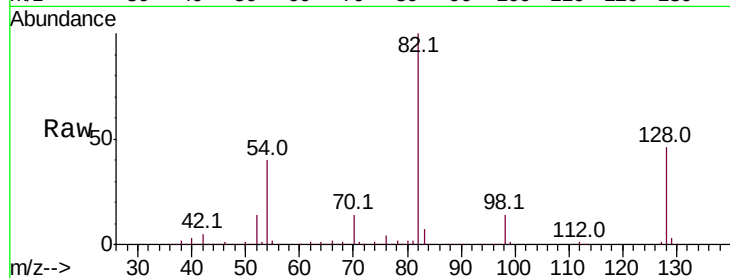
Tot Ion: 82 Resp: 647783

Ion Ratio Lower Upper

82 100

128 46.0 37.9 56.9

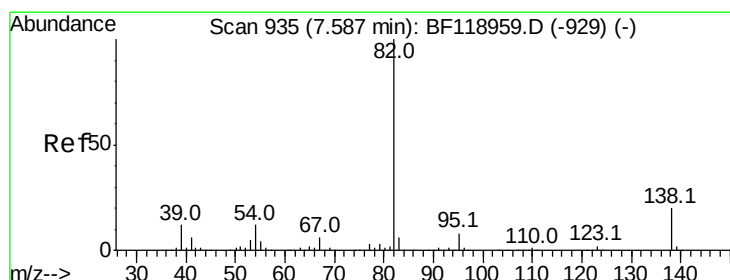
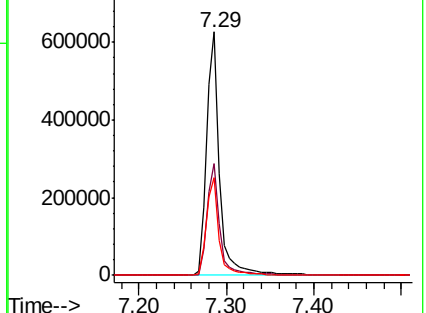
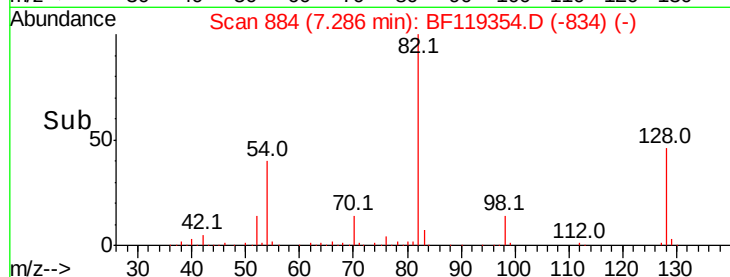
54 40.0 33.4 50.2



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: 51.765 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF119354.D

Acq: 11 Mar 2020 19:10

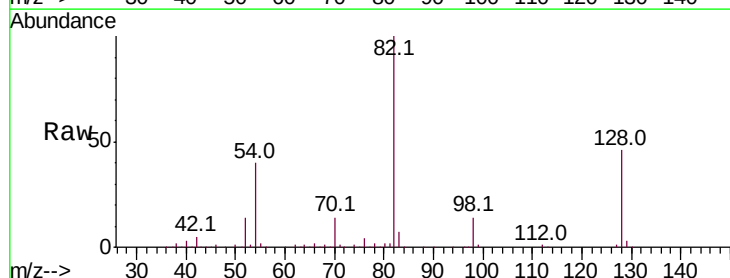
Tgt Ion: 82 Resp: 647783

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

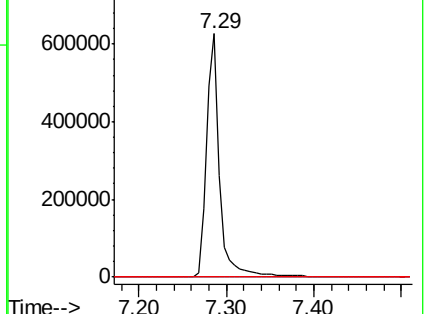
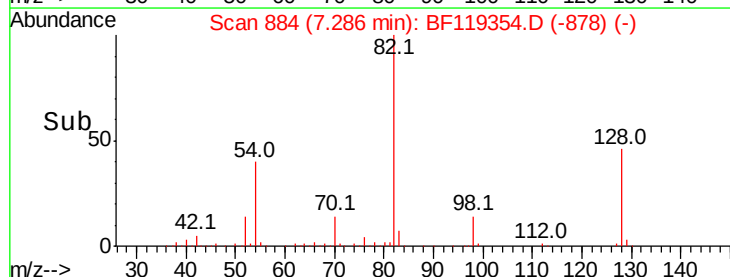
138 0.0 15.7 23.5#

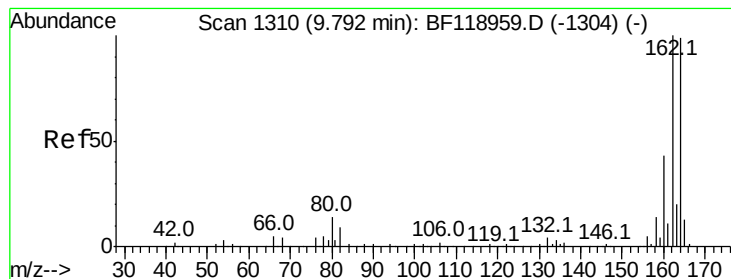


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF119354.D

Acq: 11 Mar 2020 19:10

Instrument :

BNA\_F

ClientSampleId :

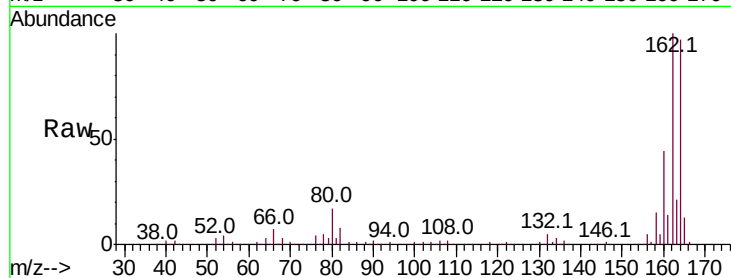
Tot Ion:164 Resp: 213177

Ion Ratio Lower Upper

164 100

162 102.7 81.8 122.8

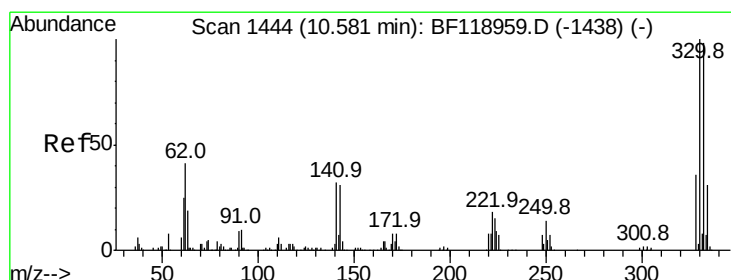
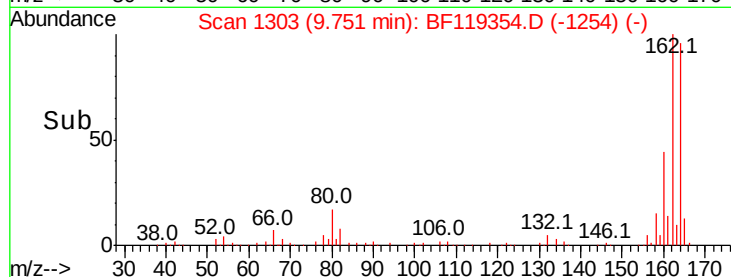
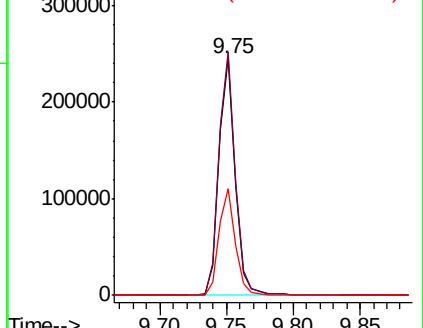
160 45.0 36.0 54.0



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: 134.707 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF119354.D

Acq: 11 Mar 2020 19:10

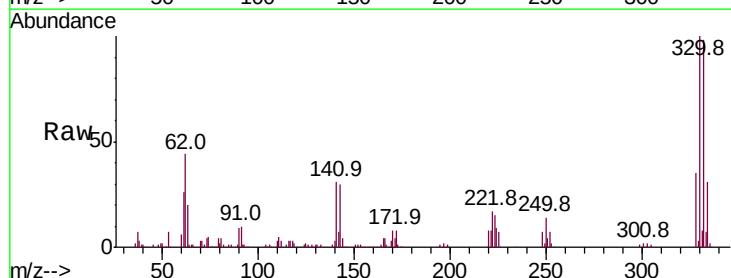
Tgt Ion:330 Resp: 375659

Ion Ratio Lower Upper

330 100

332 96.7 76.0 114.0

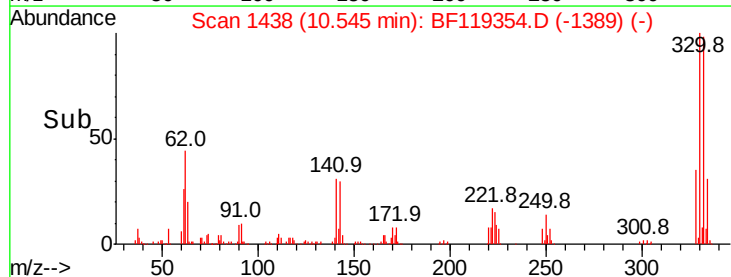
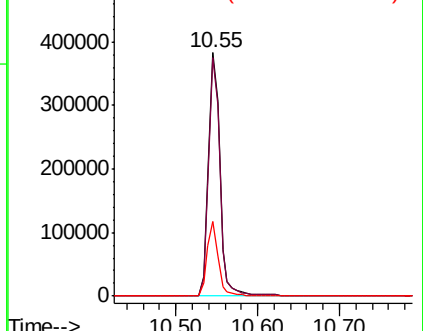
141 29.8 22.9 34.3

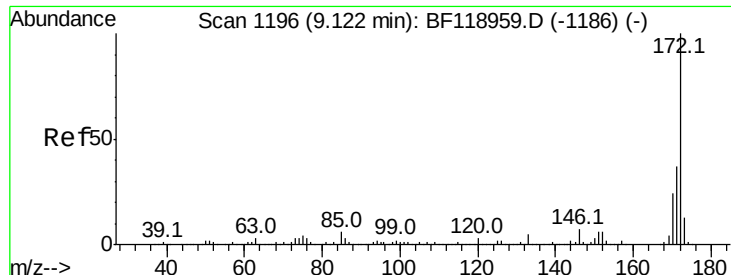


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



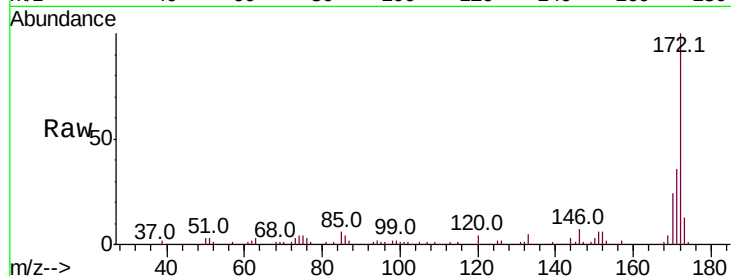


#45  
 2-Fluorobiphenyl  
 Concen: 86.421 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BF119354.D  
 Acq: 11 Mar 2020 19:10

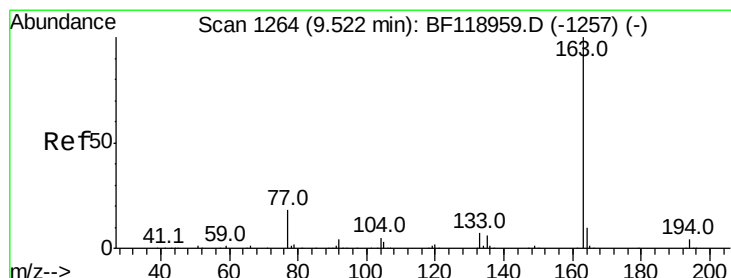
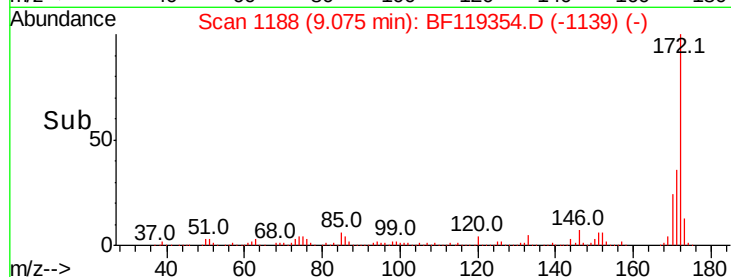
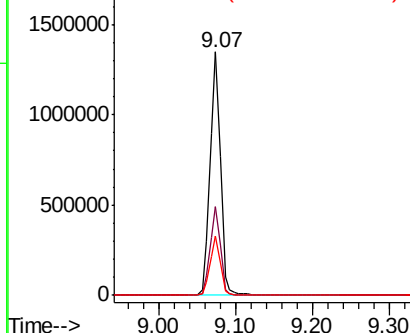
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1250563  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.5  | 30.6  | 45.8  |
| 170 | 24.1  | 20.2  | 30.2  |



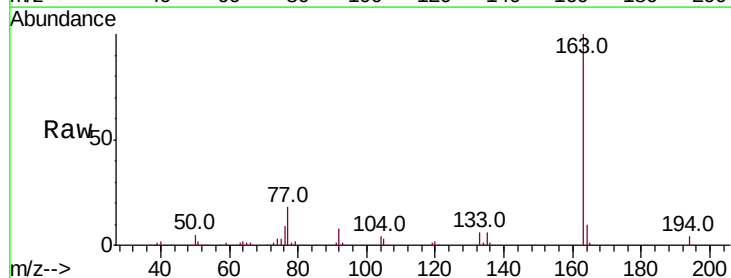
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



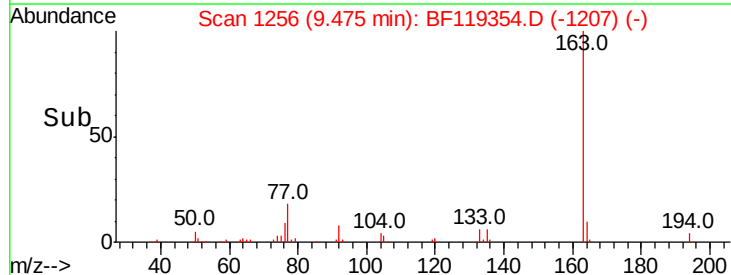
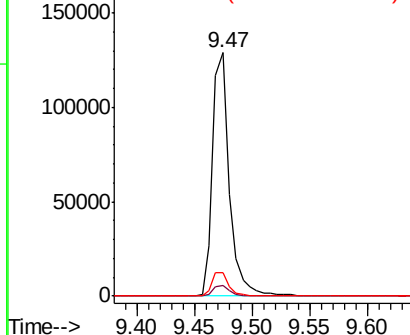
#50  
 Dimethylphthalate  
 Concen: 8.047 ng  
 RT: 9.47 min Scan# 1256  
 Delta R.T. -0.01 min  
 Lab File: BF119354.D  
 Acq: 11 Mar 2020 19:10

Tgt Ion:163 Resp: 131170  

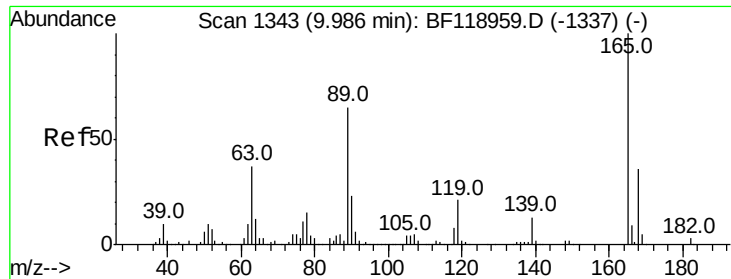
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.2   | 3.5   | 5.3   |
| 164 | 9.9   | 8.4   | 12.6  |



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



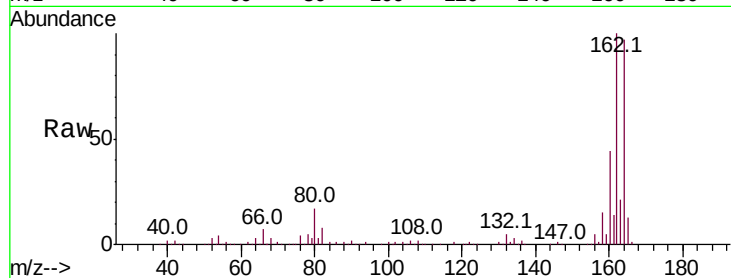




#57  
 2,4-Dinitrotoluene  
 Concen: 5.835 ng  
 RT: 9.75 min Scan# 1303  
 Delta R.T. -0.22 min  
 Lab File: BF119354.D  
 Acq: 11 Mar 2020 19:10

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 42.3  | 63.5# |
| 89      | 1.4   | 60.2  | 90.4# |
| 182     | 0.0   | 2.3   | 3.5#  |



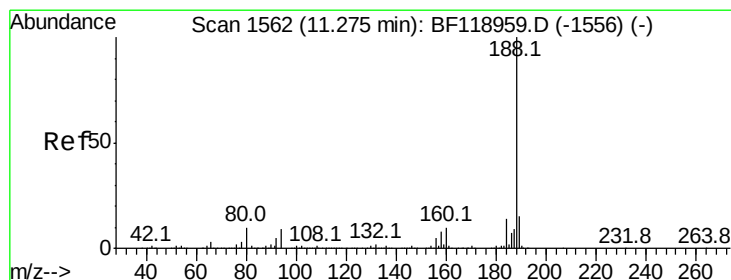
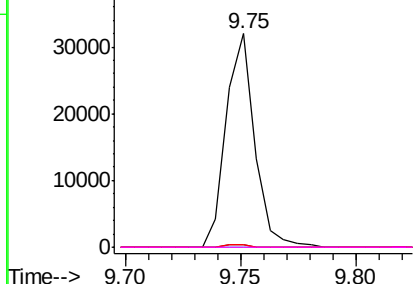
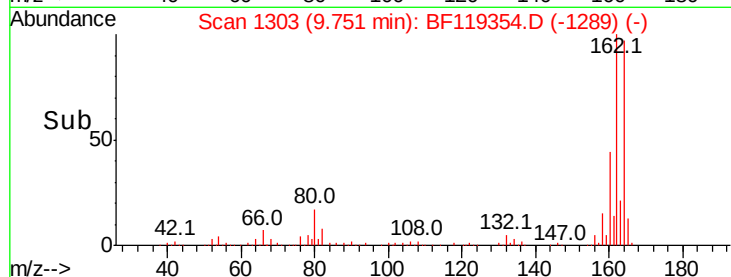
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

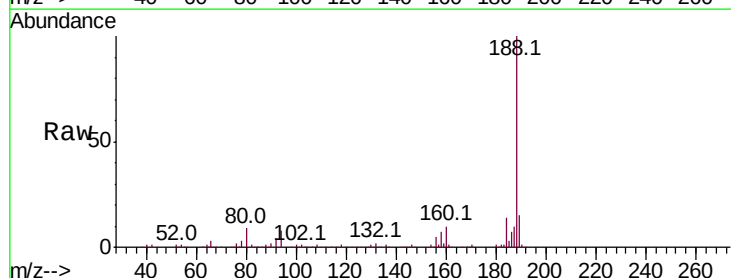
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.24 min Scan# 1556  
 Delta R.T. -0.01 min  
 Lab File: BF119354.D  
 Acq: 11 Mar 2020 19:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.6   | 7.1   | 10.7  |
| 80      | 8.8   | 7.8   | 11.8  |

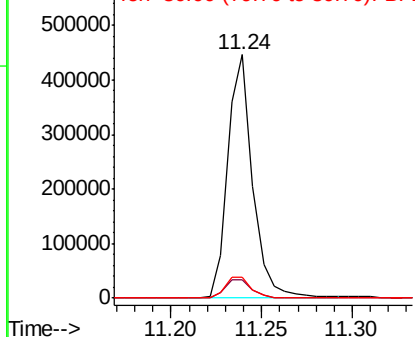
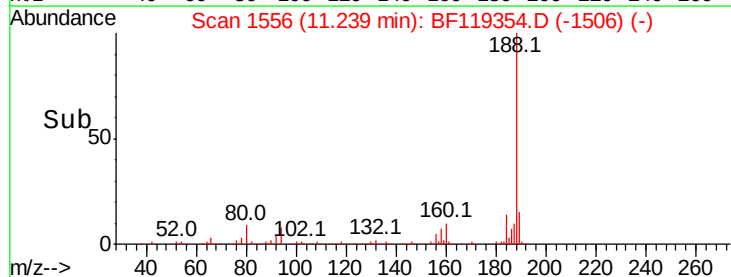


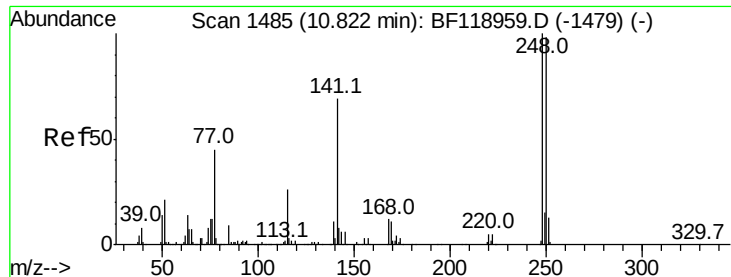
Abundance

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

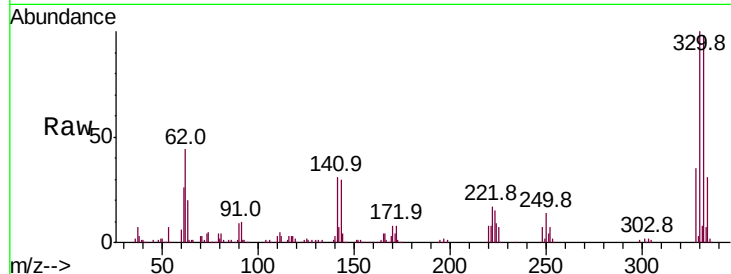




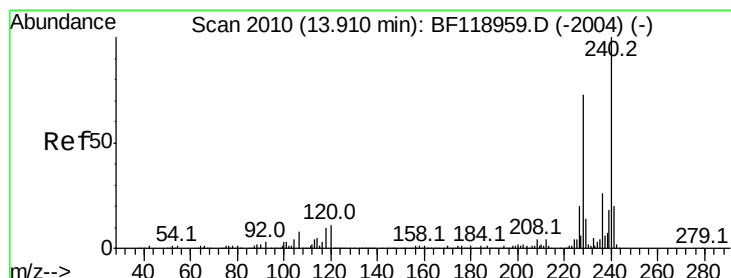
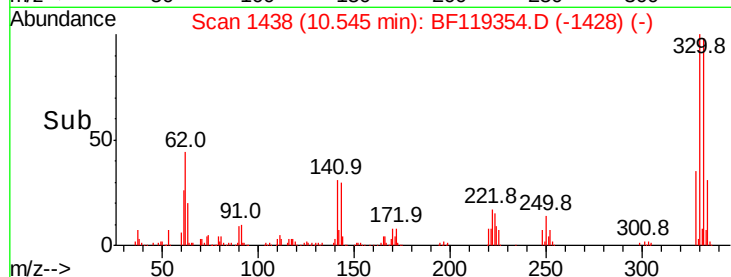
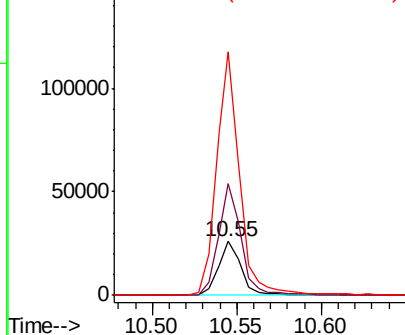
#67  
4-Bromophenyl-phenylether  
Concen: 4.316 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. -0.24 min  
Lab File: BF119354.D  
Acq: 11 Mar 2020 19:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 24123  
Ion Ratio Lower Upper  
248 100  
250 206.0 76.7 115.1#  
141 450.0 60.7 91.1#

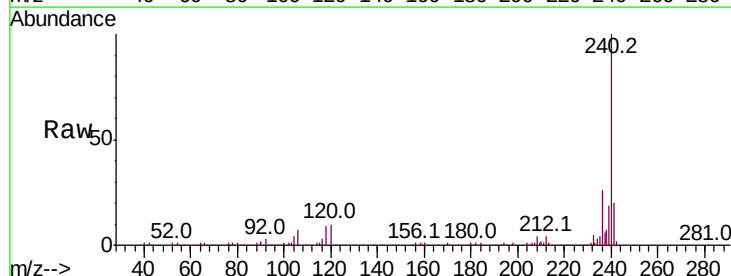


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

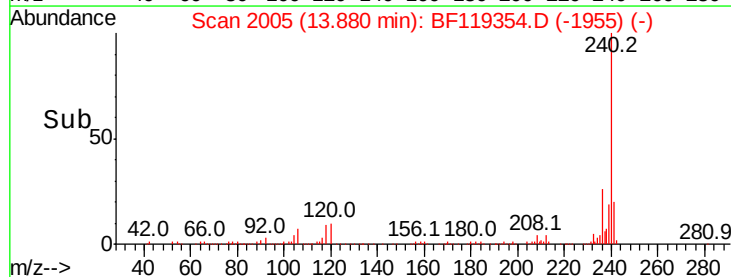
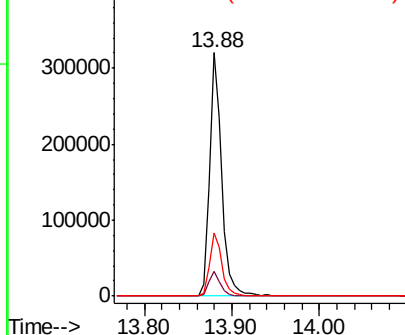


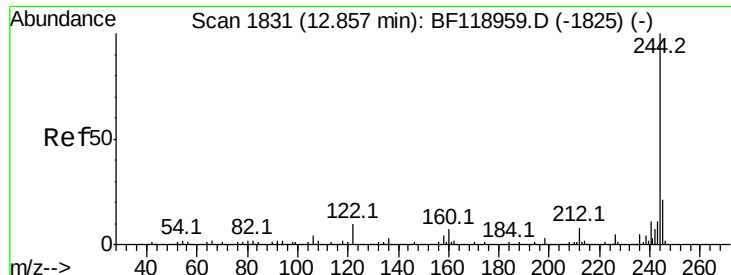
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.88 min Scan# 2005  
Delta R.T. -0.01 min  
Lab File: BF119354.D  
Acq: 11 Mar 2020 19:10

Tgt Ion:240 Resp: 306676  
Ion Ratio Lower Upper  
240 100  
120 10.0 8.4 12.6  
236 25.9 21.0 31.4



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: 97.688 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF119354.D

Acq: 11 Mar 2020 19:10

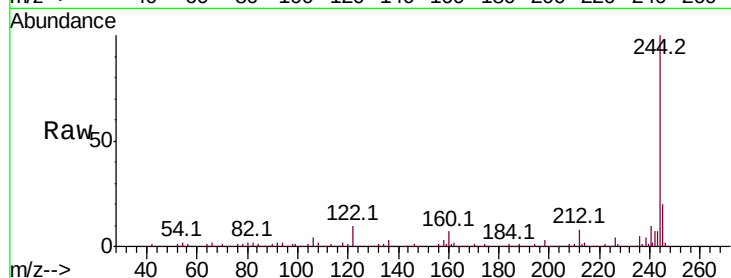
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:244 Resp: 1740091

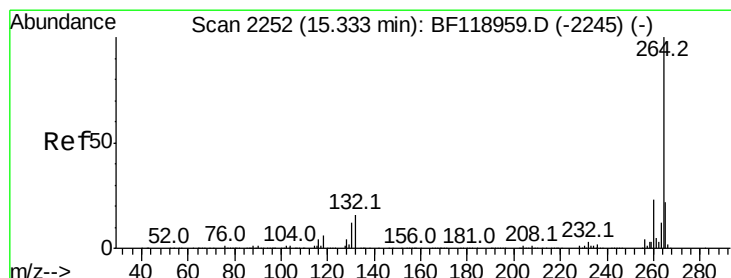
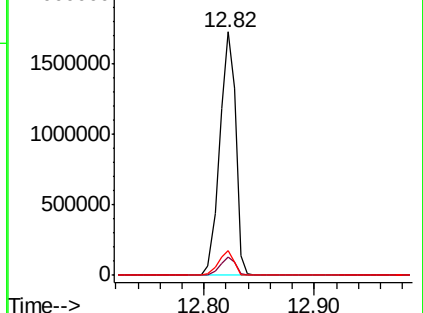
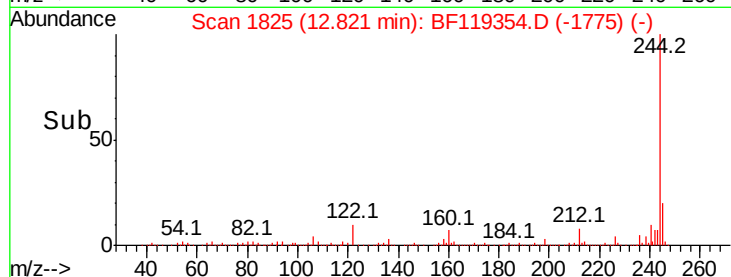
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.6   | 6.6   | 10.0  |
| 122 | 10.0  | 8.2   | 12.2  |



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

Perylene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

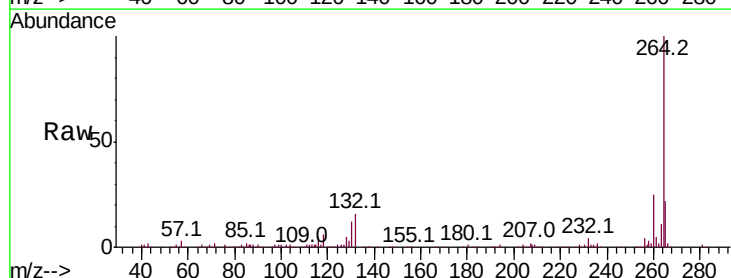
Delta R.T. 0.00 min

Lab File: BF119354.D

Acq: 11 Mar 2020 19:10

Tgt Ion:264 Resp: 279536

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.9  | 19.4  | 29.2  |
| 265 | 22.2  | 17.7  | 26.5  |



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

