

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030718\  
 Data File : BF103494.D  
 Acq On : 7 Mar 2018 12:15  
 Operator : SJ/JU  
 Sample : J1736-06  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 07 12:59:37 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 07 11:40:36 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.86  | 152  | 171993   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.15  | 136  | 697310   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.90  | 164  | 278834   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.40 | 188  | 437646   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.06 | 240  | 254627   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.56 | 264  | 228524   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.49  | 112  | 630898   | 55.48 | ng    | 0.00     |
| 7) Phenol-d6                | 6.50  | 99   | 534933   | 38.44 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 1018044  | 83.38 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.70 | 330  | 225358   | 95.48 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.23  | 172  | 1382299  | 85.51 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.99 | 244  | 953169   | 89.99 | ng    | 0.00     |

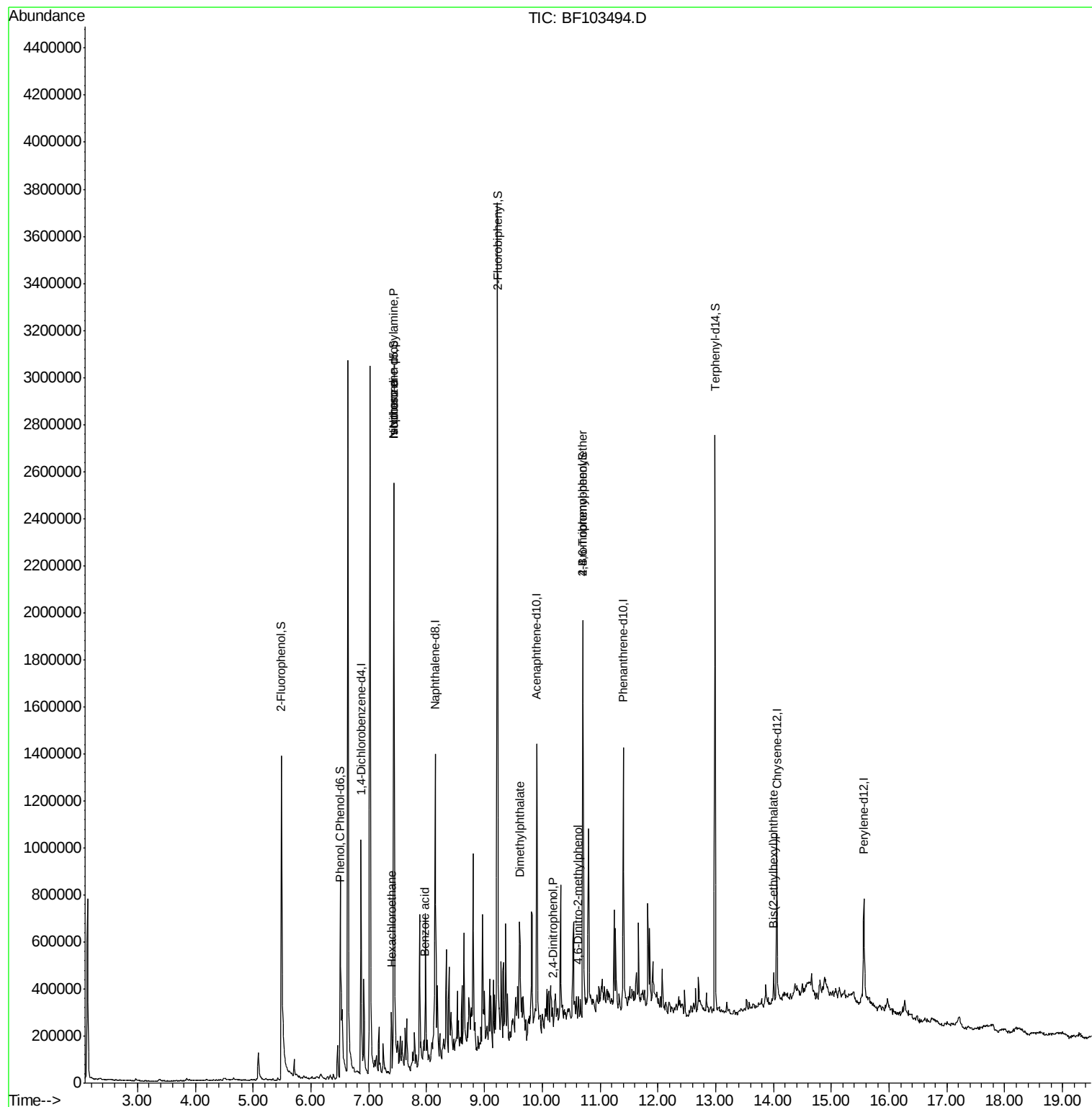
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 10) Phenol                     | 6.52  | 94   | 39042    | 2.417  | ng    | # 45   |
| 18) Hexachloroethane           | 7.39  | 117  | 21592    | 4.382  | ng    | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.43  | 70   | 136849   | 15.802 | ng    | # 83   |
| 25) Isophorone                 | 7.43  | 82   | 1019637  | 42.400 | ng    | # 64   |
| 32) Benzoic acid               | 7.97  | 122  | 1893     | 7.140  | ng    | # 1    |
| 49) Dimethylphthalate          | 9.62  | 163  | 68663    | 3.070  | ng    | # 99   |
| 53) 2,4-Dinitrophenol          | 10.19 | 184  | 121      | 9.684  | ng    | # 32   |
| 64) 4,6-Dinitro-2-methylphenol | 10.61 | 198  | 143      | 4.994  | ng    | # 1    |
| 66) 4-Bromophenyl-phenylether  | 10.70 | 248  | 15200    | 3.334  | ng    | # 1    |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149  | 29693    | 2.098  | ng    | # 99   |

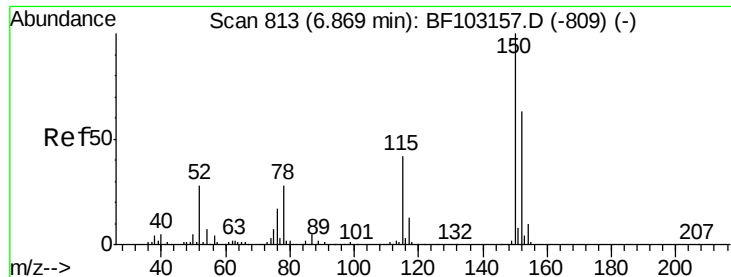
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030718\  
Data File : BF103494.D  
Acq On : 7 Mar 2018 12:15  
Operator : SJ/JU  
Sample : J1736-06  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

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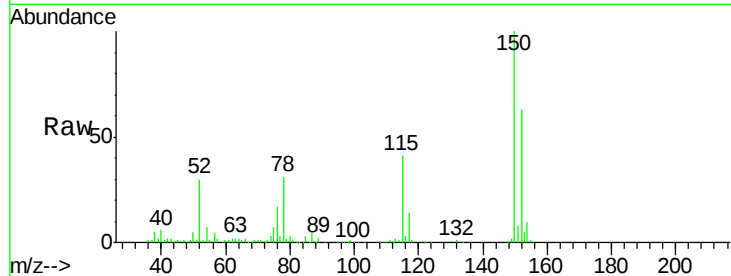


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 812  
Delta R.T. 0.00 min  
Lab File: BF103494.D  
Acq: 7 Mar 2018 12:15

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.3 | 124.6 | 186.8 |
| 115     | 65.4  | 50.1  | 75.1  |

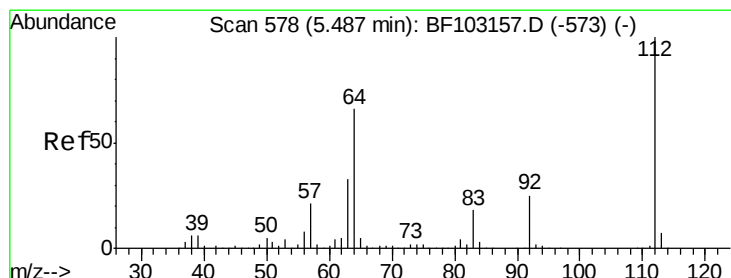
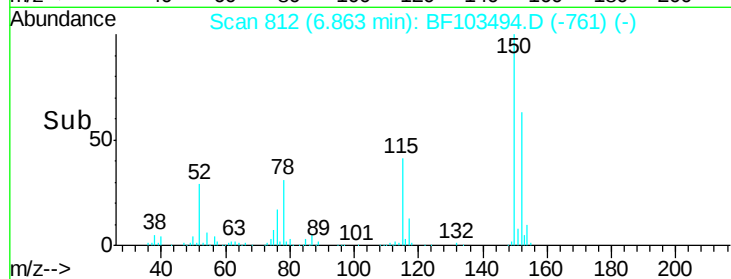
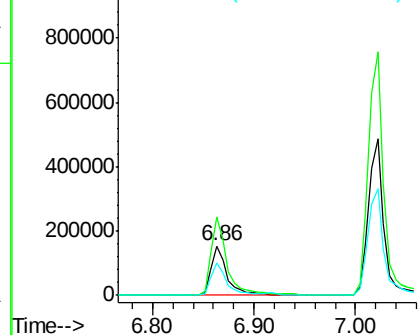


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

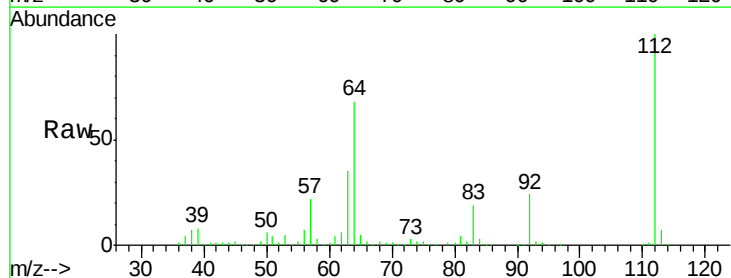
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 55.478 ng  
RT: 5.49 min Scan# 578  
Delta R.T. 0.00 min  
Lab File: BF103494.D  
Acq: 7 Mar 2018 12:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.2  | 47.9  | 71.9  |
| 63      | 35.3  | 23.7  | 35.5  |

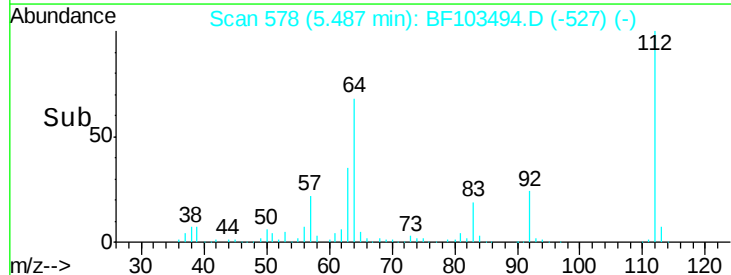
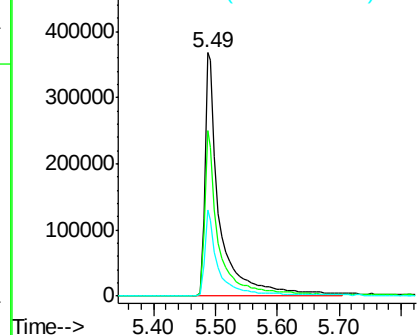


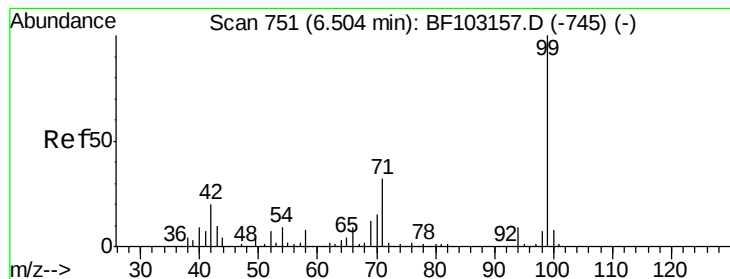
Abundance

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: 38.442 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103494.D

Acq: 7 Mar 2018 12:15

Instrument :

BNA\_F

ClientSampleId :

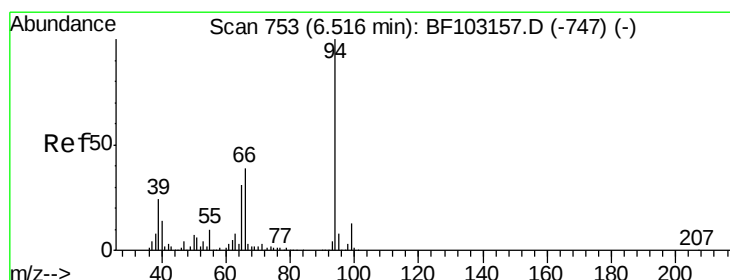
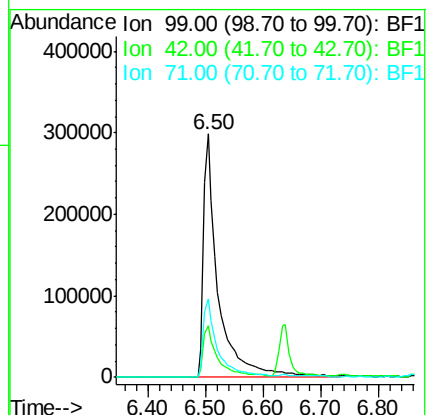
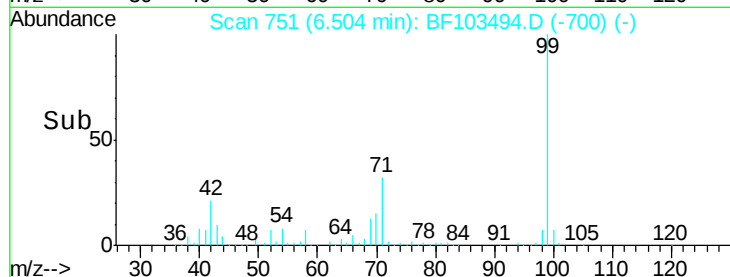
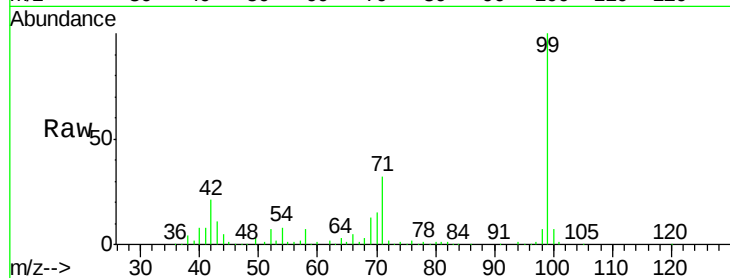
Tot Ion: 99 Resp: 534933

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

71 32.3 25.4 38.0



#10

Phenol

Concen: 2.417 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103494.D

Acq: 7 Mar 2018 12:15

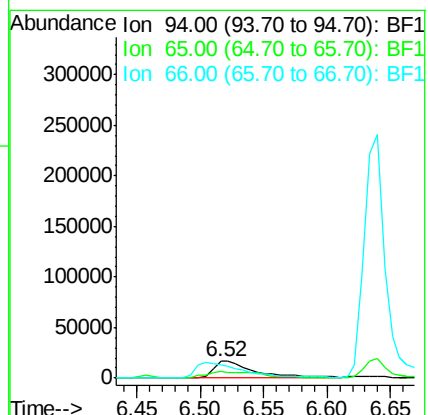
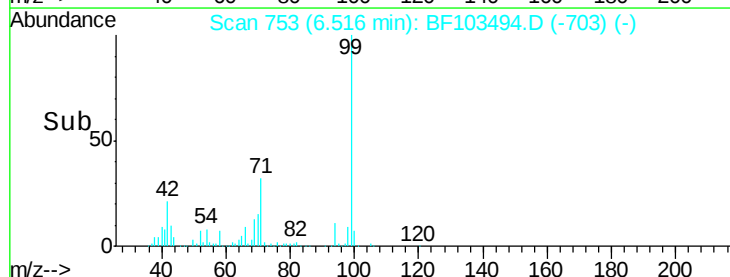
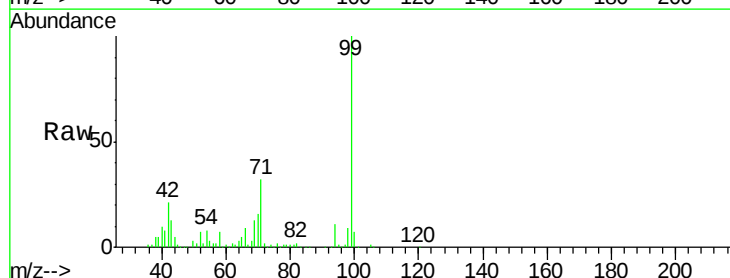
Tgt Ion: 94 Resp: 39042

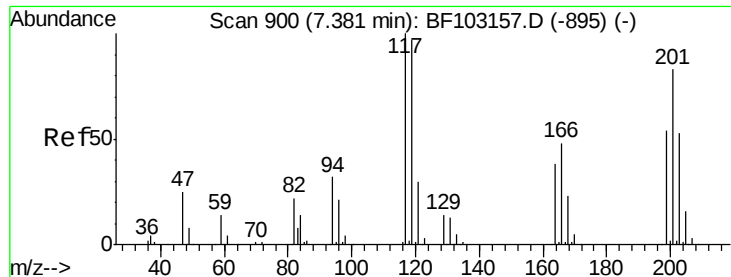
Ion Ratio Lower Upper

94 100

65 42.1 7.9 47.9

66 81.0 16.2 56.2#

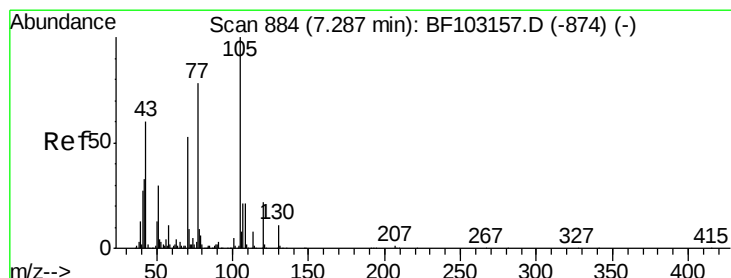
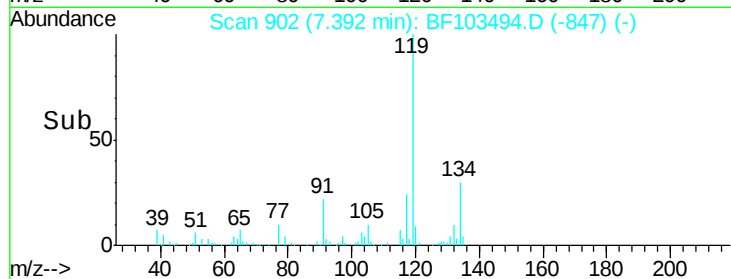
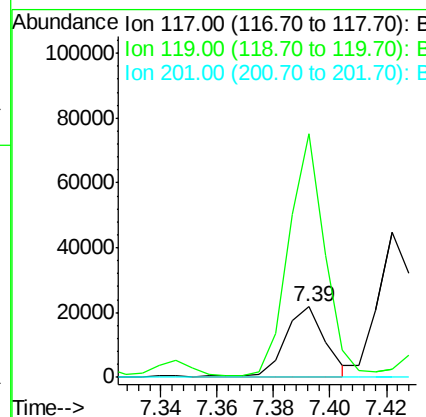
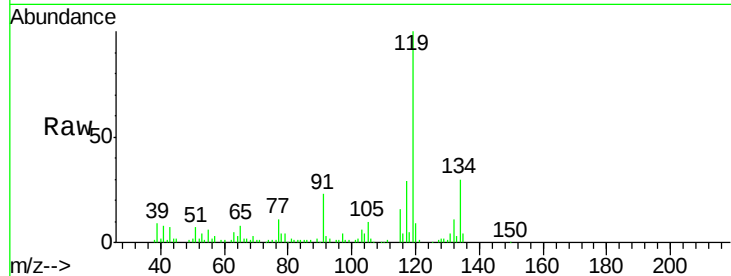




#18  
Hexachloroethane  
Concen: 4.382 ng  
RT: 7.39 min Scan# 902  
Delta R.T. 0.02 min  
Lab File: BF103494.D  
Acq: 7 Mar 2018 12:15

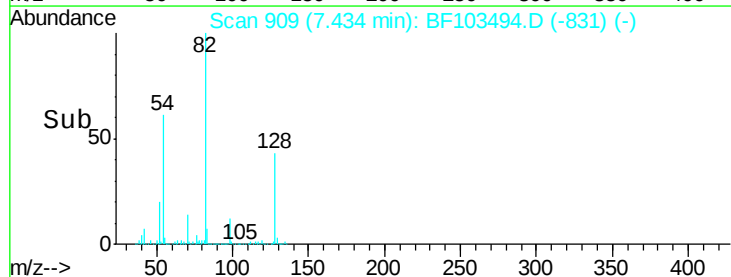
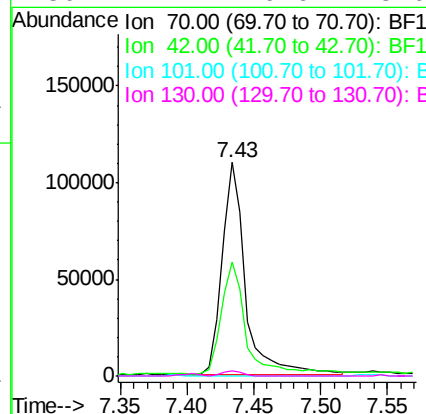
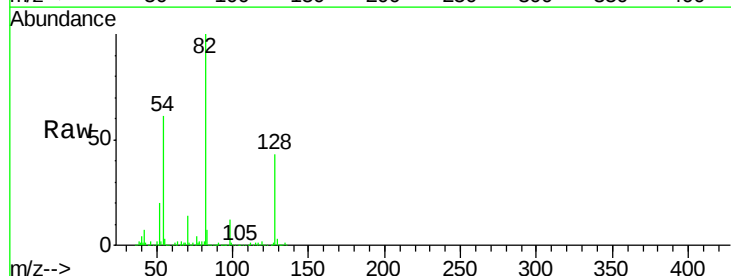
Instrument :  
BNA\_F  
ClientSampleId :

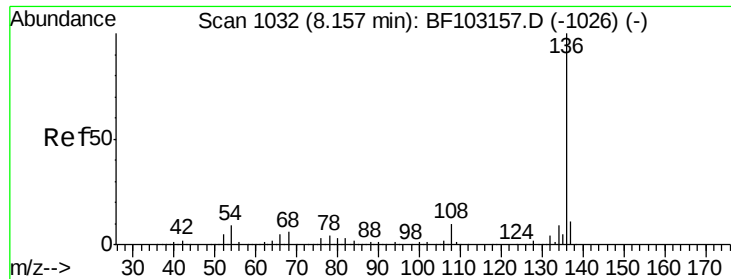
Tot Ion:117 Resp: 21592  
Ion Ratio Lower Upper  
117 100  
119 346.7 75.8 113.8#  
201 0.0 75.7 113.5#



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.802 ng  
RT: 7.43 min Scan# 909  
Delta R.T. 0.16 min  
Lab File: BF103494.D  
Acq: 7 Mar 2018 12:15

Tgt Ion: 70 Resp: 136849  
Ion Ratio Lower Upper  
70 100  
42 53.4 47.5 71.3  
101 0.0 7.4 11.2#  
130 2.1 16.6 25.0#

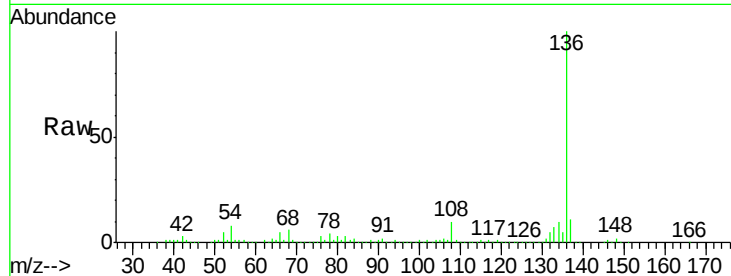




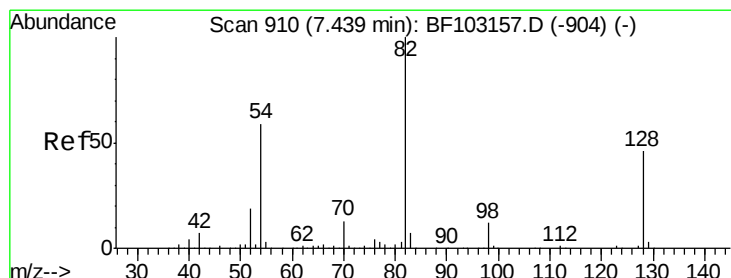
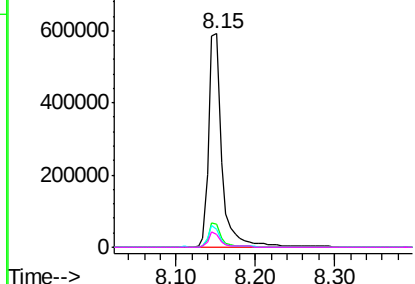
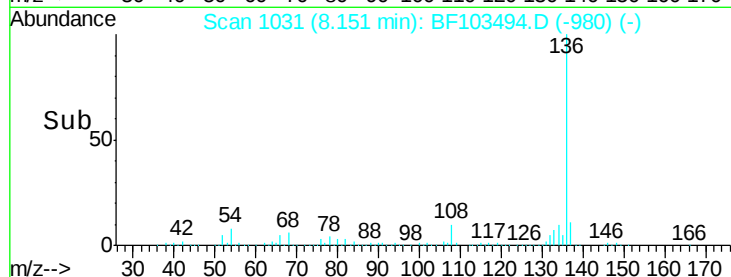
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: BF103494.D  
Acq: 7 Mar 2018 12:15

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 697310 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 10.7    | 8.9   | 13.3   |  |
| 54 8.3      | 6.6   | 9.8    |  |
| 68 5.9      | 5.0   | 7.4    |  |

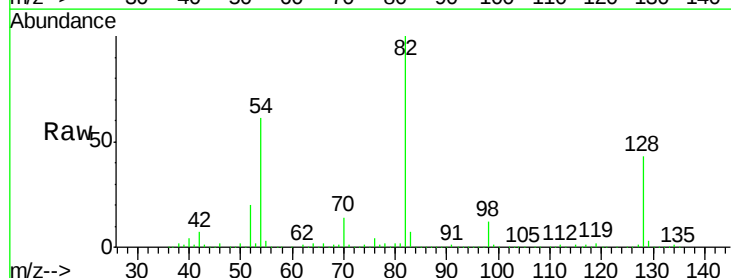


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

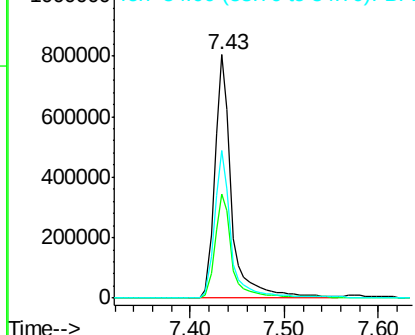
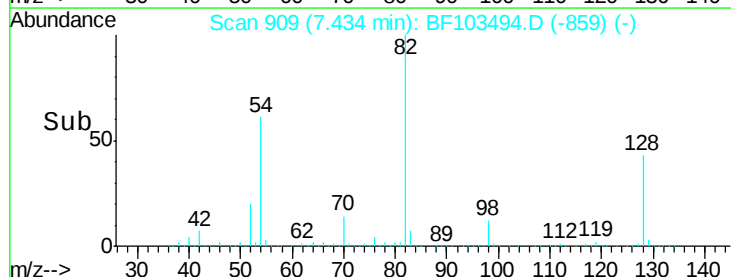


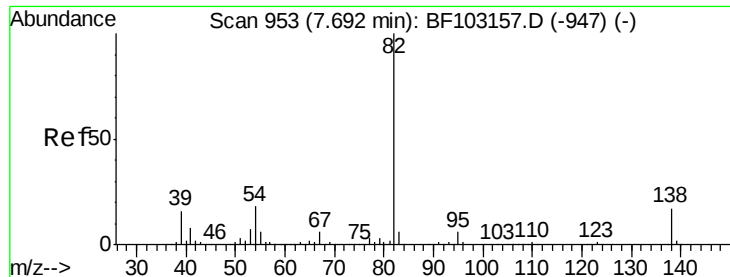
#23  
Nitrobenzene-d5  
Concen: 83.376 ng  
RT: 7.43 min Scan# 909  
Delta R.T. -0.01 min  
Lab File: BF103494.D  
Acq: 7 Mar 2018 12:15

|             |               |
|-------------|---------------|
| Tgt Ion: 82 | Resp: 1018044 |
| Ion Ratio   | Lower Upper   |
| 82 100      |               |
| 128 42.9    | 36.1 54.1     |
| 54 60.8     | 41.4 62.2     |



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

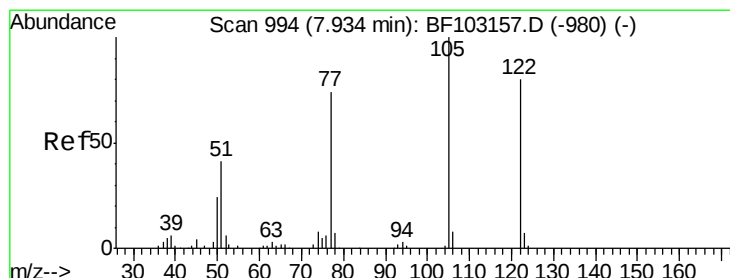
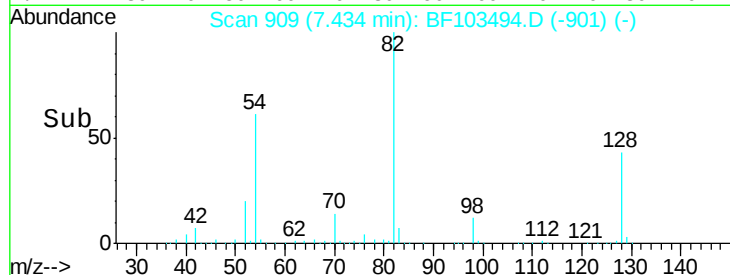
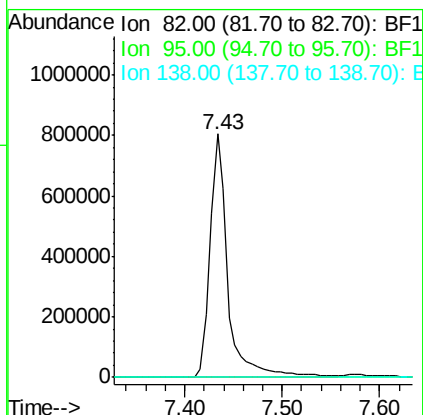
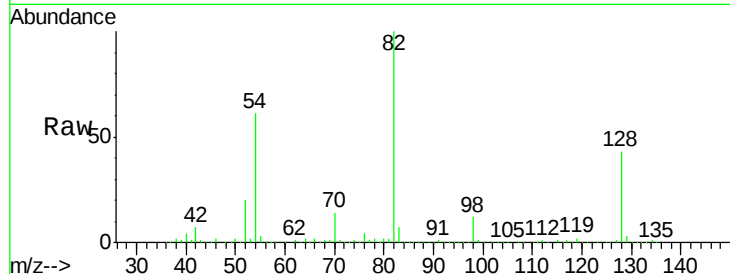




#25  
Isophorone  
Concen: 42.400 ng  
RT: 7.43 min Scan# 909  
Delta R.T. -0.25 min  
Lab File: BF103494.D  
Acq: 7 Mar 2018 12:15

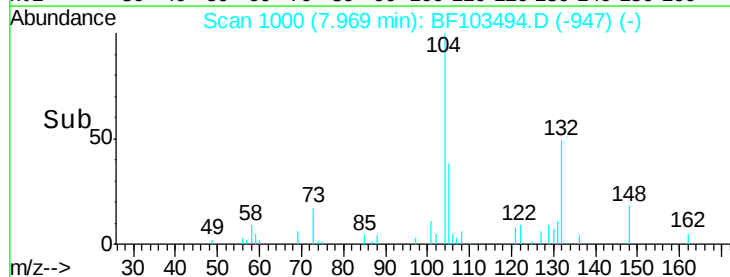
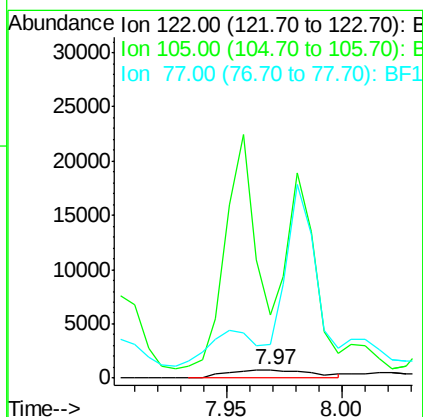
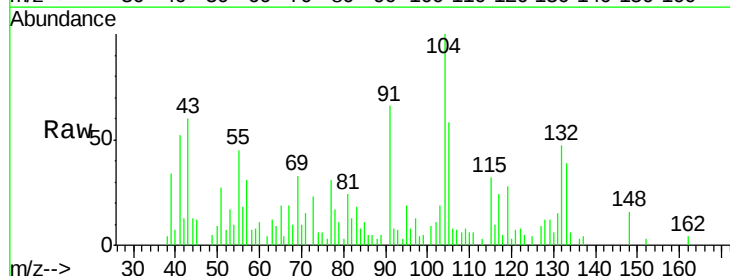
Instrument :  
BNA\_F  
ClientSampleId :

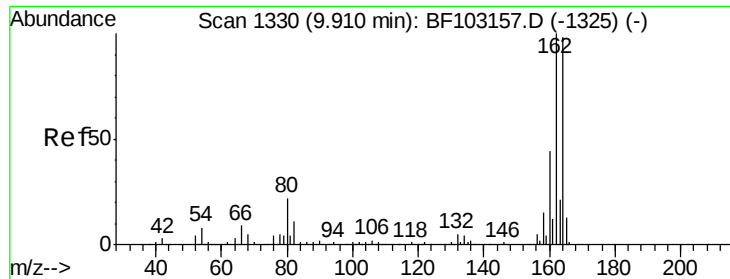
Tot Ion: 82 Resp: 1019637  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.2 7.8#  
138 0.0 14.9 22.3#



#32  
Benzoic acid  
Concen: 7.140 ng  
RT: 7.97 min Scan# 1000  
Delta R.T. 0.01 min  
Lab File: BF103494.D  
Acq: 7 Mar 2018 12:15

Tgt Ion:122 Resp: 1893  
Ion Ratio Lower Upper  
122 100  
105 774.4 101.1 141.1#  
77 408.5 70.7 110.7#

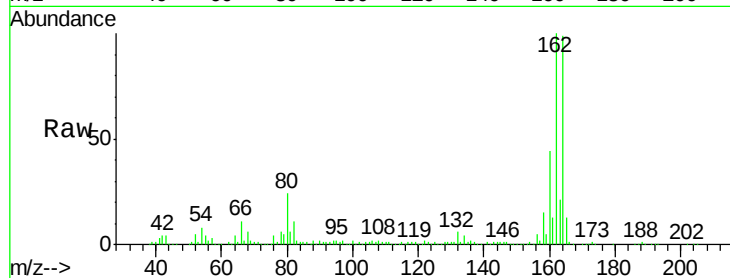




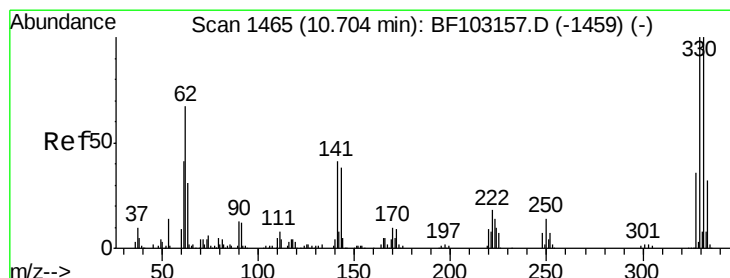
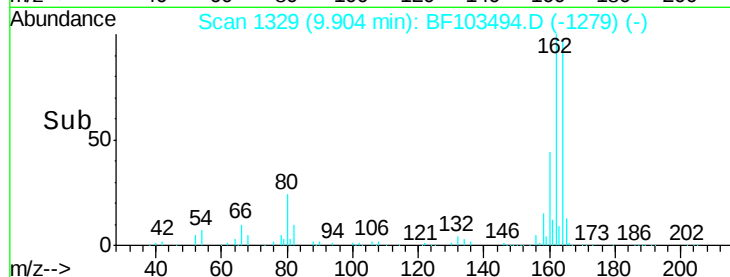
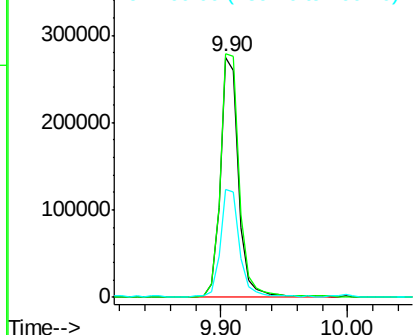
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.90 min Scan# 1329  
Delta R.T. -0.01 min  
Lab File: BF103494.D  
Acq: 7 Mar 2018 12:15

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 278834  
Ion Ratio Lower Upper  
164 100  
162 101.4 86.1 129.1  
160 44.7 38.3 57.5

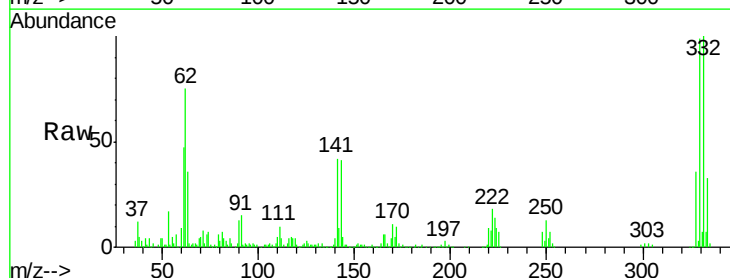


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

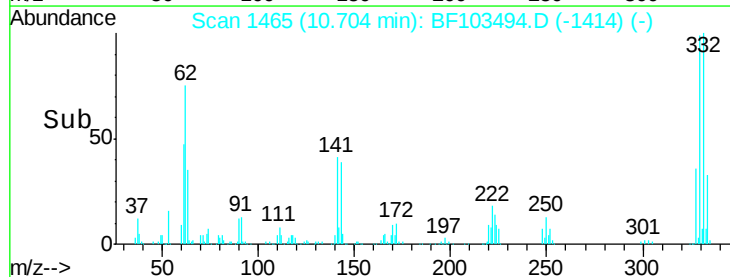
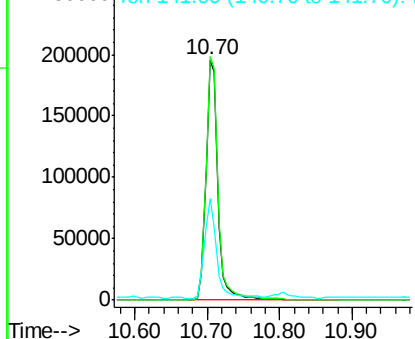


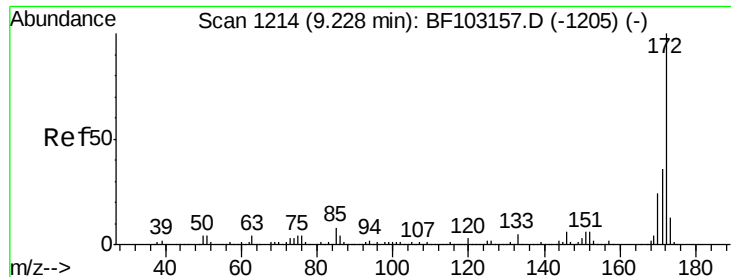
#41  
2,4,6-Tribromophenol  
Concen: 95.484 ng  
RT: 10.70 min Scan# 1465  
Delta R.T. 0.00 min  
Lab File: BF103494.D  
Acq: 7 Mar 2018 12:15

Tgt Ion:330 Resp: 225358  
Ion Ratio Lower Upper  
330 100  
332 102.3 77.0 115.6  
141 41.9 29.9 44.9



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

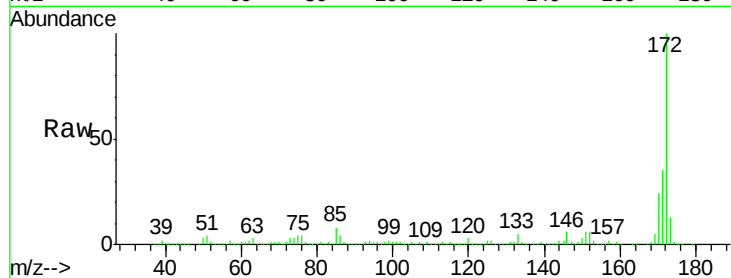




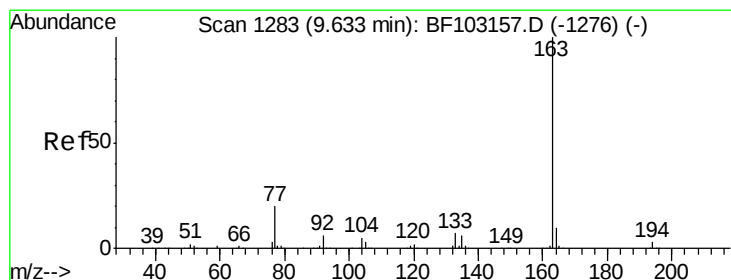
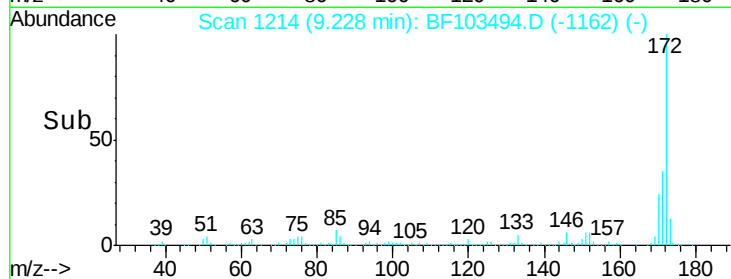
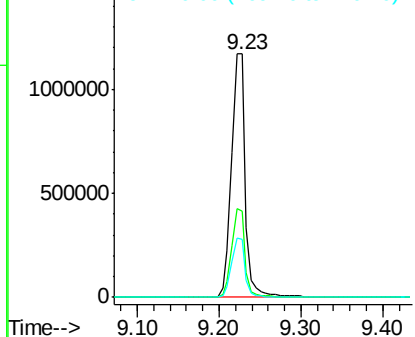
#44  
2-Fluorobiphenyl  
Concen: 85.506 ng  
RT: 9.23 min Scan# 1214  
Delta R.T. 0.01 min  
Lab File: BF103494.D  
Acq: 7 Mar 2018 12:15

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1382299  
Ion Ratio Lower Upper  
172 100  
171 35.5 29.7 44.5  
170 23.8 19.6 29.4

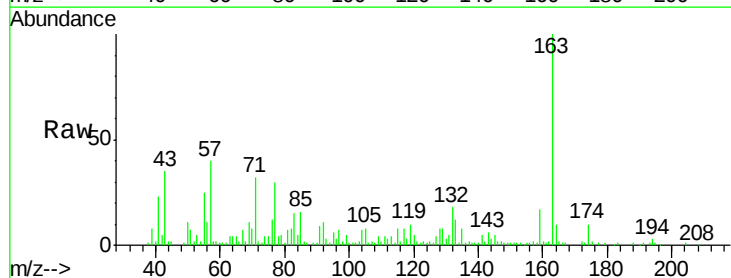


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

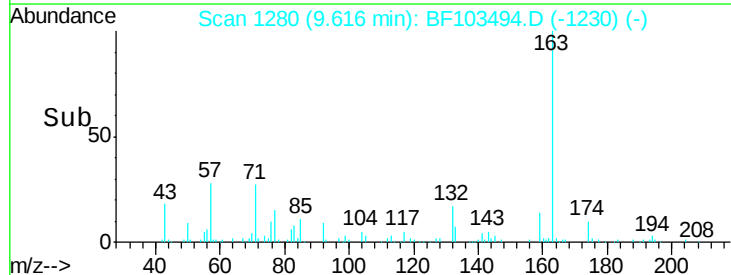
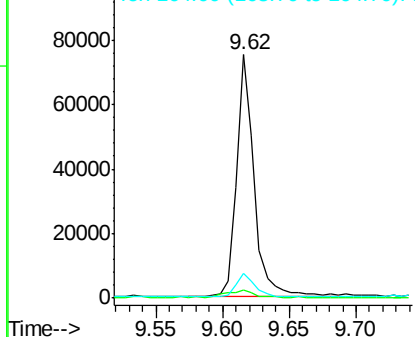


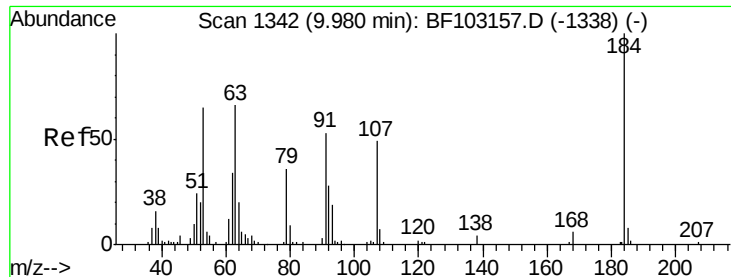
#49  
Dimethylphthalate  
Concen: 3.070 ng  
RT: 9.62 min Scan# 1280  
Delta R.T. -0.01 min  
Lab File: BF103494.D  
Acq: 7 Mar 2018 12:15

Tgt Ion:163 Resp: 68663  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.7 4.1  
164 10.0 8.2 12.2



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

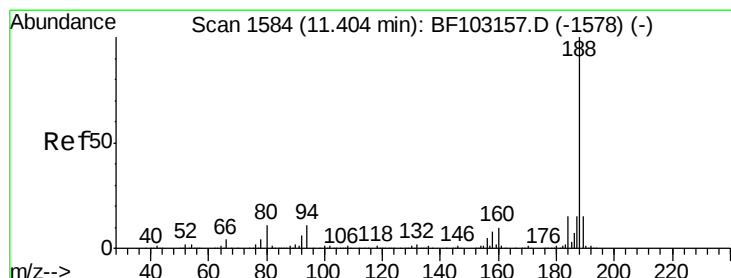
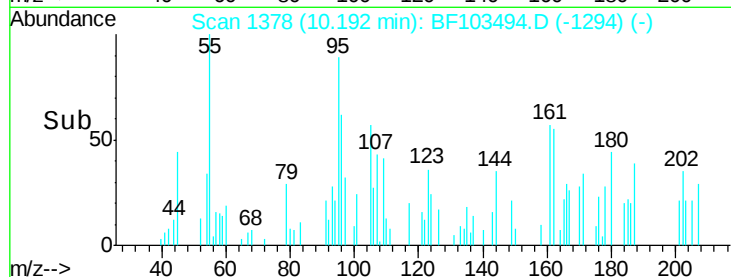
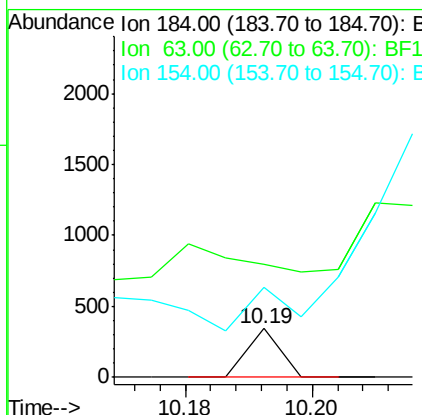
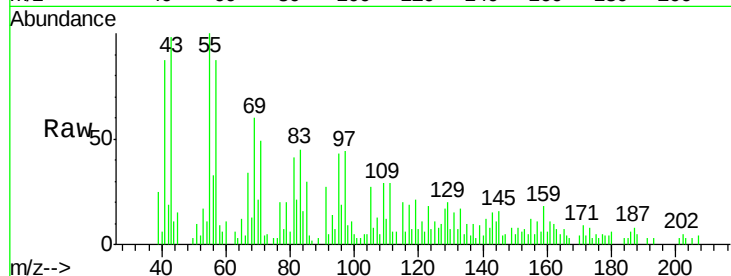




#53  
 2,4-Dinitrophenol  
 Concen: 9.684 ng  
 RT: 10.19 min Scan# 1378  
 Delta R.T. 0.19 min  
 Lab File: BF103494.D  
 Acq: 7 Mar 2018 12:15

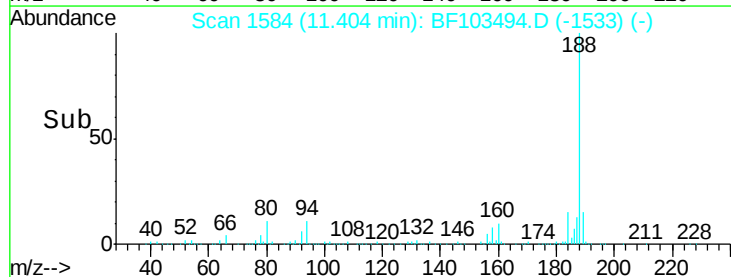
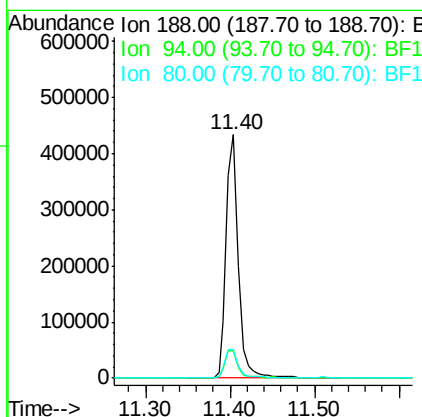
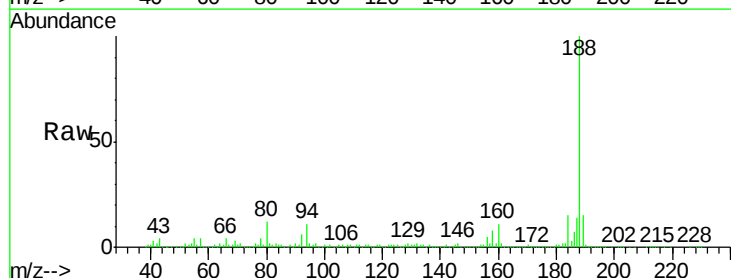
Instrument :  
 BNA\_F  
 ClientSampled :

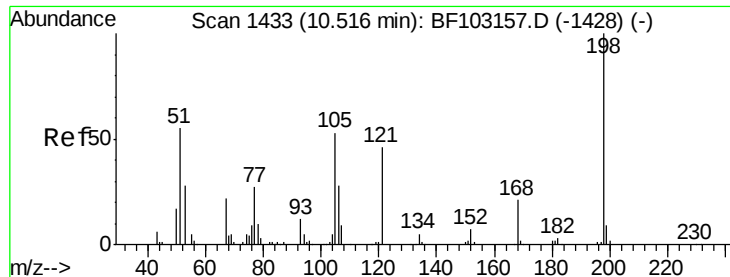
Tot Ion:184 Resp: 121  
 Ion Ratio Lower Upper  
 184 100  
 63 233.5 54.2 81.2#  
 154 185.1 184.0 276.0



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.40 min Scan# 1584  
 Delta R.T. 0.00 min  
 Lab File: BF103494.D  
 Acq: 7 Mar 2018 12:15

Tgt Ion:188 Resp: 437646  
 Ion Ratio Lower Upper  
 188 100  
 94 11.3 8.5 12.7  
 80 11.5 9.2 13.8

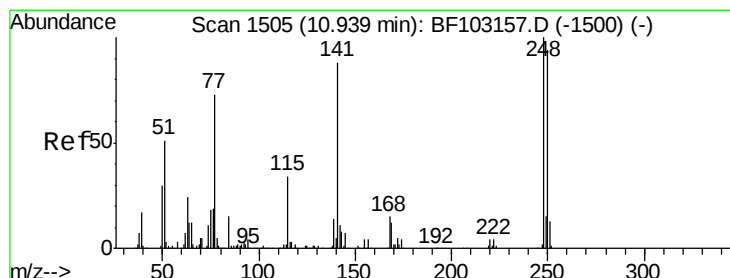
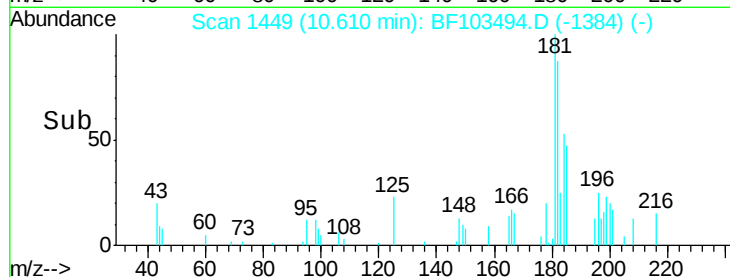
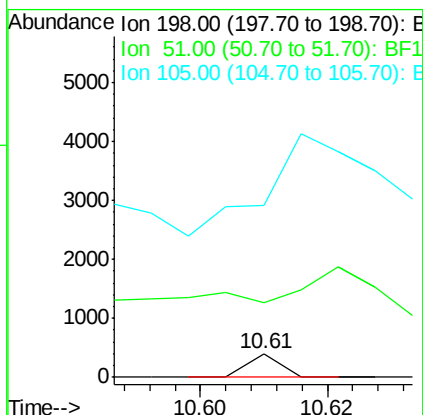
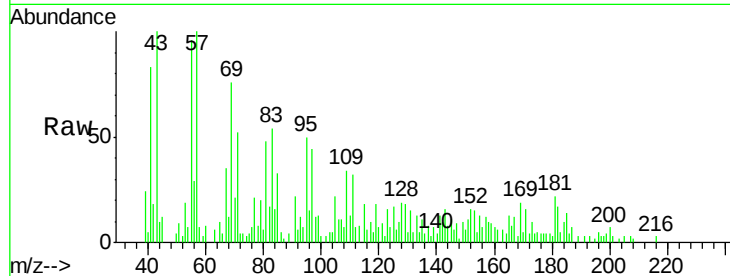




#64  
4,6-Dinitro-2-methylphenol  
Concen: 4.994 ng  
RT: 10.61 min Scan# 1449  
Delta R.T. 0.08 min  
Lab File: BF103494.D  
Acq: 7 Mar 2018 12:15

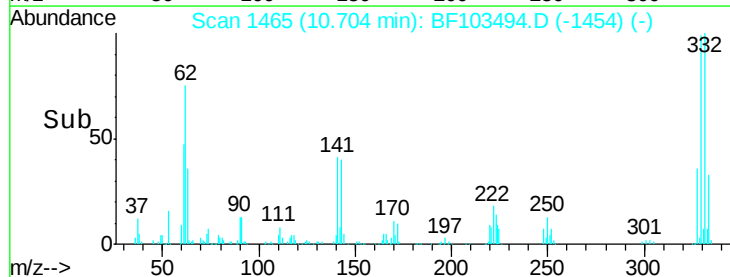
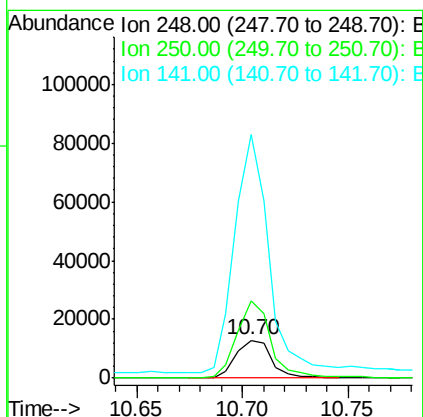
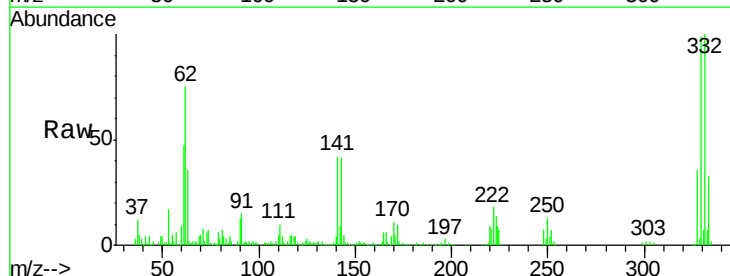
Instrument :  
BNA\_F  
ClientSampleId :

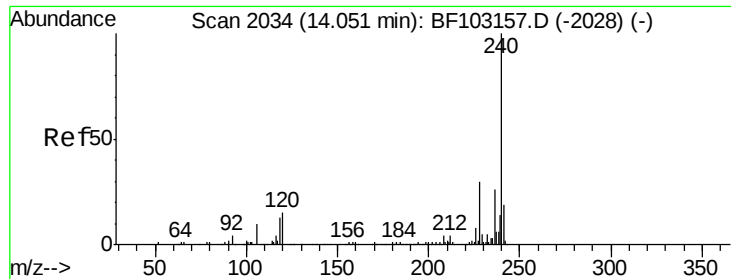
Tot Ion:198 Resp: 143  
Ion Ratio Lower Upper  
198 100  
51 309.4 37.7 77.7#  
105 716.5 36.3 76.3#



#66  
4-Bromophenyl-phenylether  
Concen: 3.334 ng  
RT: 10.70 min Scan# 1465  
Delta R.T. -0.24 min  
Lab File: BF103494.D  
Acq: 7 Mar 2018 12:15

Tgt Ion:248 Resp: 15200  
Ion Ratio Lower Upper  
248 100  
250 202.8 76.9 115.3#  
141 638.1 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103494.D

Acq: 7 Mar 2018 12:15

Instrument :

BNA\_F

ClientSampleId :

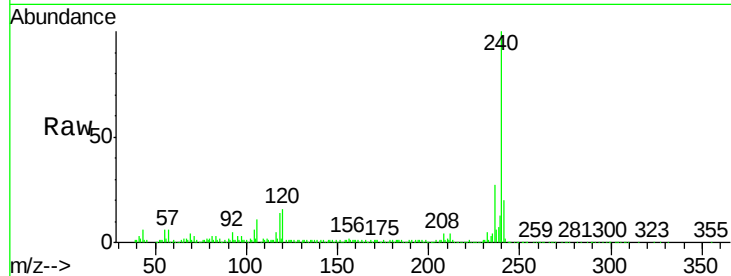
Tot Ion:240 Resp: 254627

Ion Ratio Lower Upper

240 100

120 16.1 9.5 14.3#

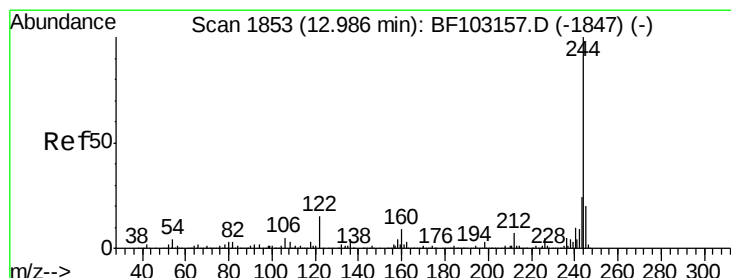
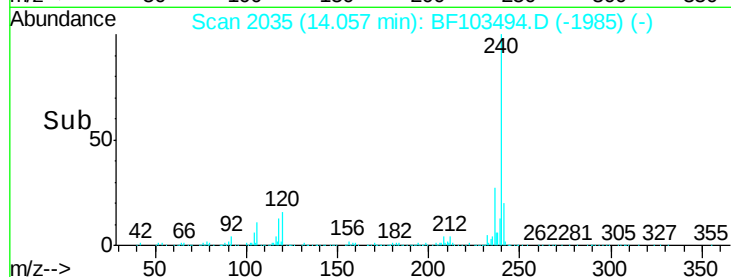
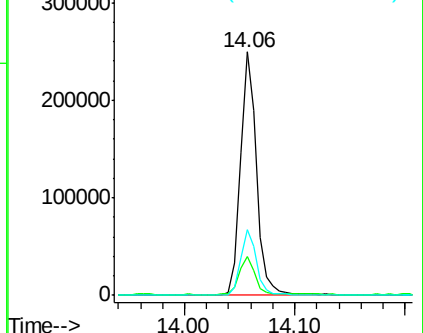
236 26.9 20.7 31.1



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



#78

Terphenyl-d14

Concen: 89.986 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.01 min

Lab File: BF103494.D

Acq: 7 Mar 2018 12:15

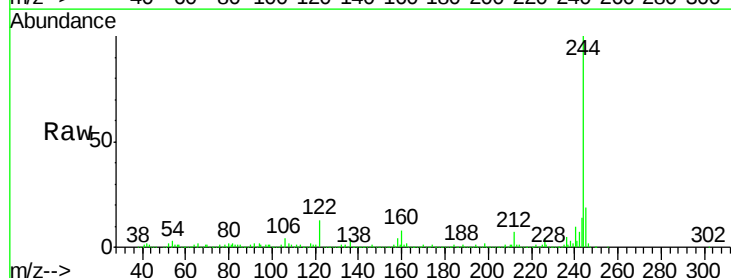
Tgt Ion:244 Resp: 953169

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

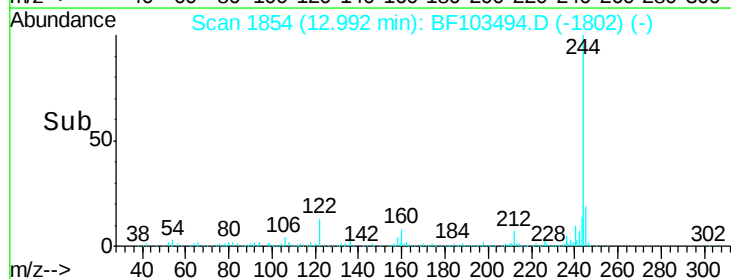
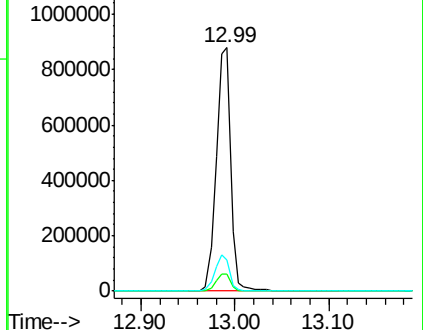
122 12.9 11.0 16.4

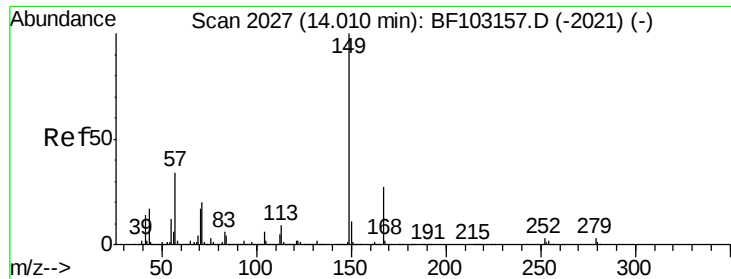


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.098 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF103494.D

Acq: 7 Mar 2018 12:15

Instrument :

BNA\_F

ClientSampleId :

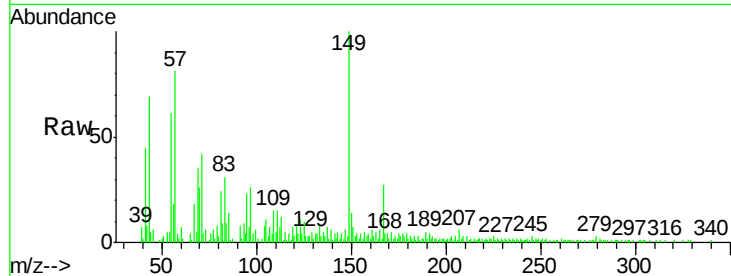
Tot Ion:149 Resp: 29693

Ion Ratio Lower Upper

149 100

167 27.0 21.3 31.9

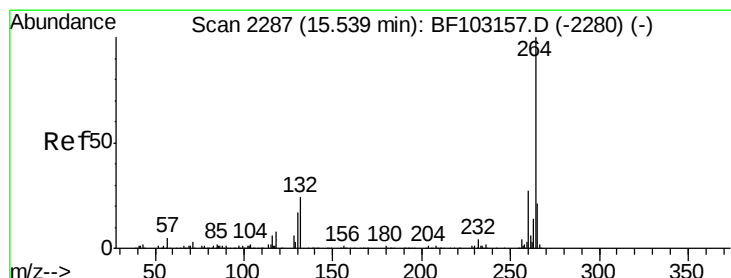
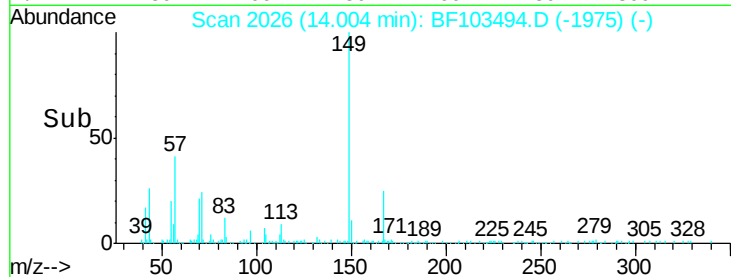
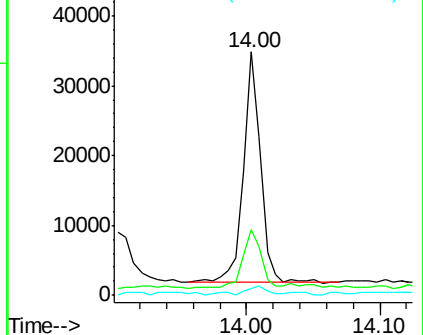
279 3.0 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. 0.00 min

Lab File: BF103494.D

Acq: 7 Mar 2018 12:15

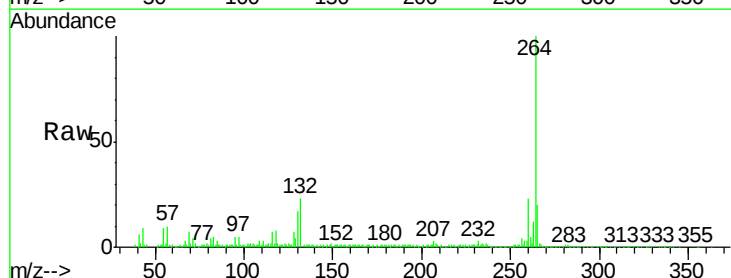
Tgt Ion:264 Resp: 228524

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 20.5 17.5 26.3



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

