

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF033020\  
 Data File : BF119644.D  
 Acq On : 30 Mar 2020 20:20  
 Operator : MA/SJ  
 Sample : L2042-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03-5.5-6.0

Quant Time: Mar 31 00:32:53 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 27 07:52:09 2020  
 Response via : Initial Calibration

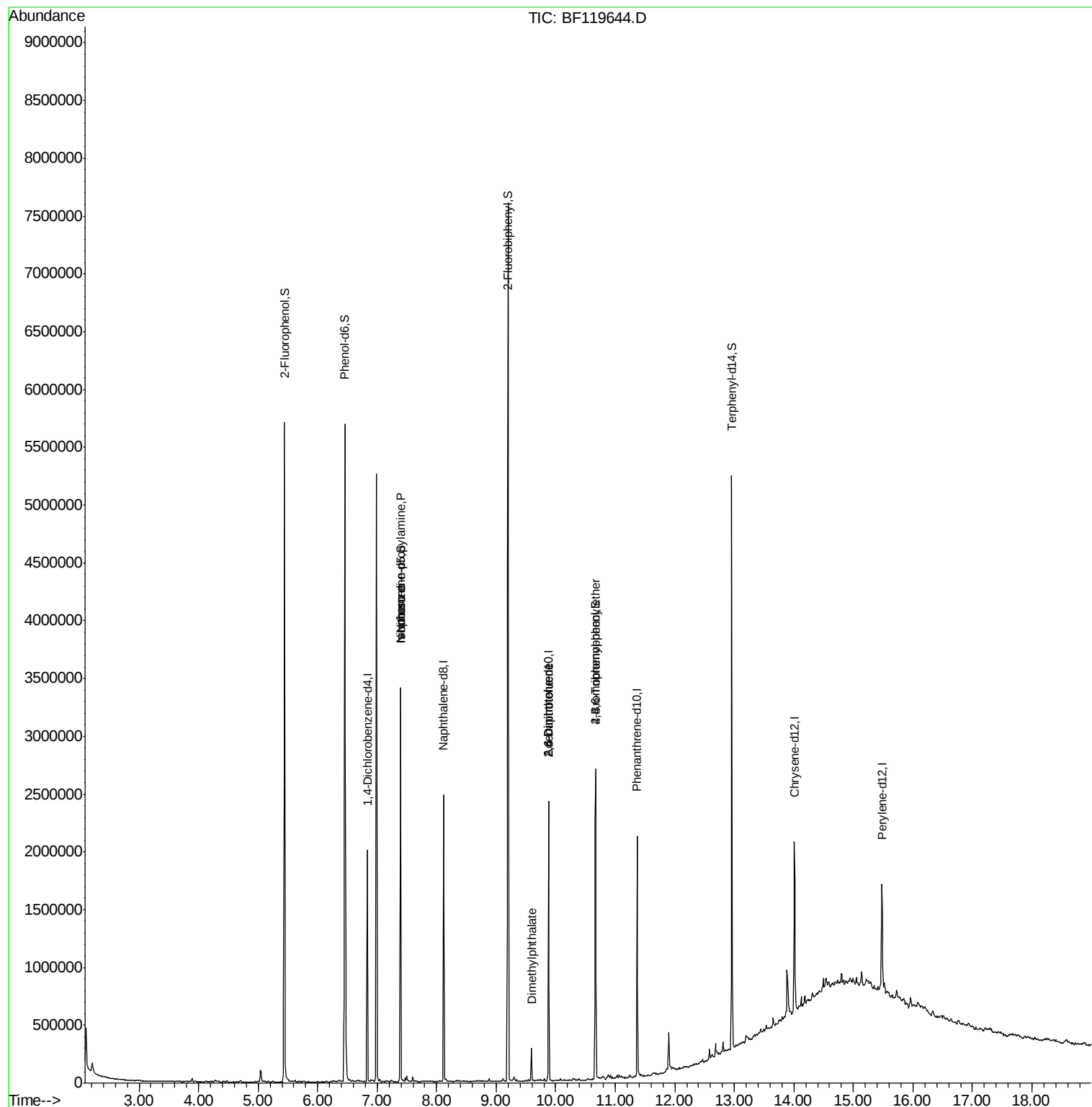
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.83  | 152  | 289433   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.12  | 136  | 1019491  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.88  | 164  | 462313   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.37 | 188  | 716750   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12               | 14.01 | 240  | 495787   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12               | 15.48 | 264  | 432519   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 1562083  | 85.92 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.46  | 99   | 2025790  | 87.22 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.39  | 82   | 980481   | 52.27 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.67 | 330  | 321082   | 67.32 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.20  | 172  | 2225556  | 71.32 | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.96 | 244  | 1780000  | 70.34 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70   | 128654   | 9.19  | ng    | # 74     |
| 25) Isophorone                 | 7.39  | 82   | 972353   | 25.55 | ng    | # 65     |
| 50) Dimethylphthalate          | 9.59  | 163  | 107875   | 3.29  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.88  | 165  | 59480    | 8.45  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene         | 9.88  | 165  | 59480    | 6.71  | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether  | 10.67 | 248  | 18756    | 2.30  | ng    | # 1      |

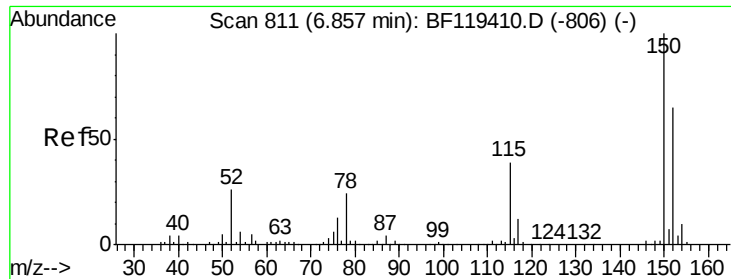
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF033020\  
Data File : BF119644.D  
Acq On : 30 Mar 2020 20:20  
Operator : MA/SJ  
Sample : L2042-03  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-03-5.5-6.0

Quant Time: Mar 31 00:32:53 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 27 07:52:09 2020  
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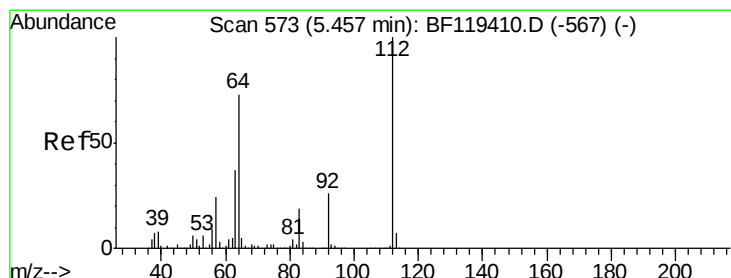
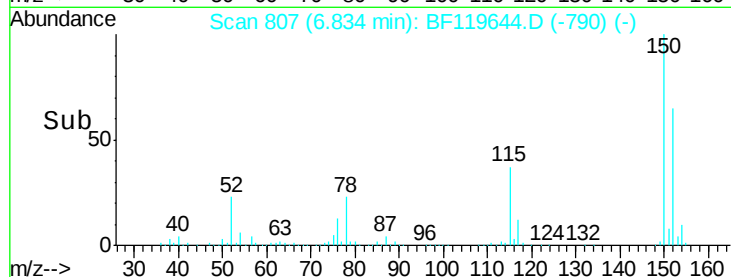
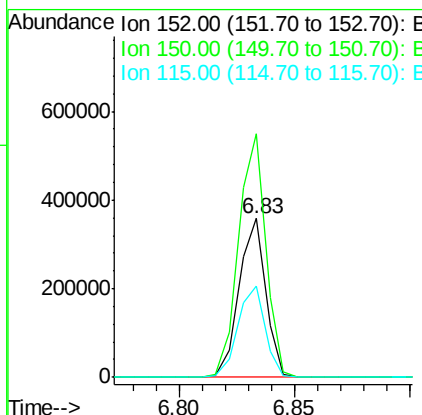
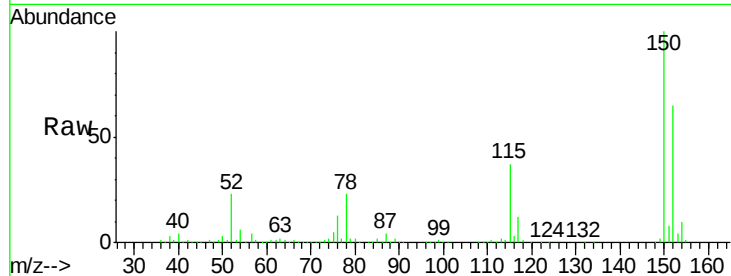




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.83 min Scan# 807  
 Delta R.T. 0.00 min  
 Lab File: BF119644.D  
 Acq: 30 Mar 2020 20:20

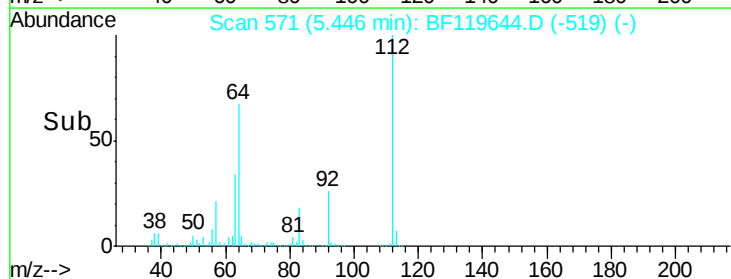
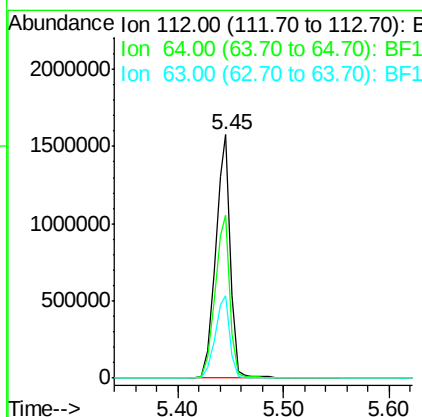
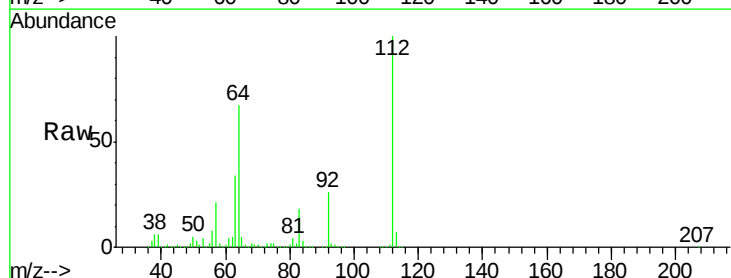
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03-5.5-6.0

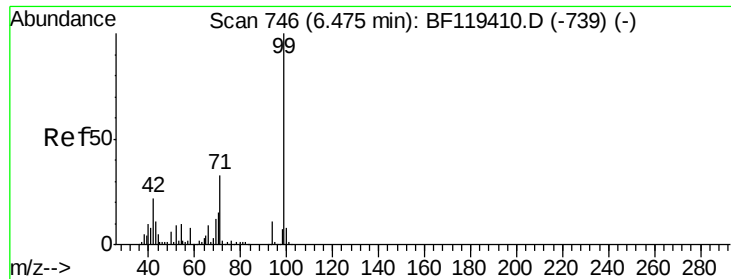
Tgt Ion:152 Resp: 289433  
 Ion Ratio Lower Upper  
 152 100  
 150 153.4 124.5 186.7  
 115 57.2 49.6 74.4



#5  
 2-Fluorophenol  
 Concen: 85.92 ng  
 RT: 5.45 min Scan# 571  
 Delta R.T. 0.01 min  
 Lab File: BF119644.D  
 Acq: 30 Mar 2020 20:20

Tgt Ion:112 Resp: 1562083  
 Ion Ratio Lower Upper  
 112 100  
 64 67.1 56.7 85.1  
 63 33.7 29.5 44.3





#7

Phenol-d6

Concen: 87.22 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF119644.D

Acq: 30 Mar 2020 20:20

Instrument :

BNA\_F

ClientSampleId :

SB-03-5.5-6.0

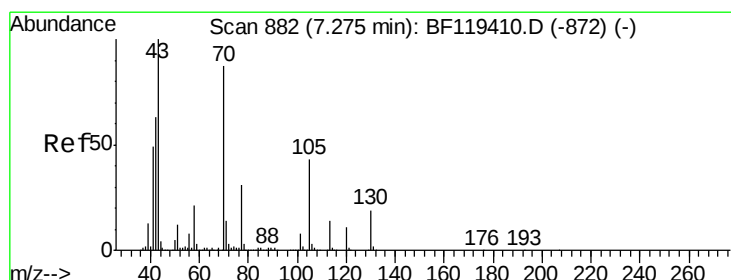
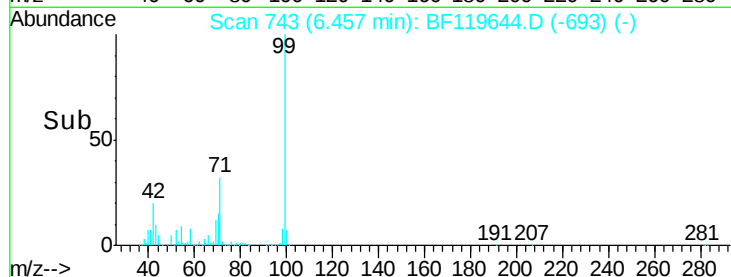
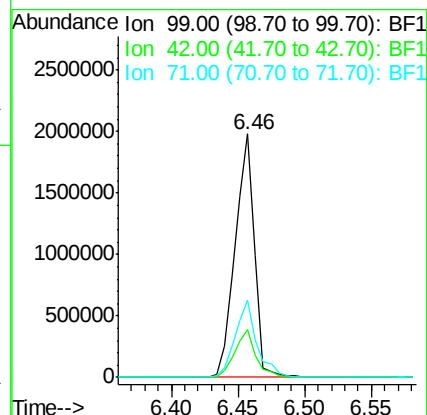
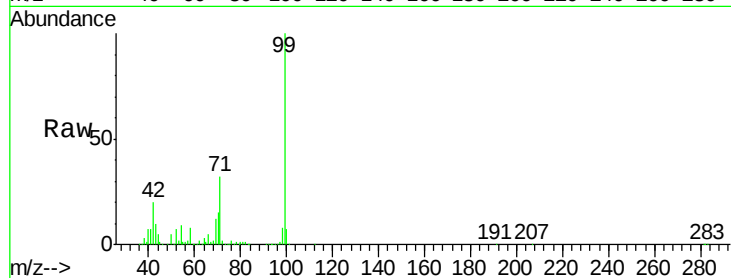
Tgt Ion: 99 Resp: 2025790

Ion Ratio Lower Upper

99 100

42 19.7 16.6 24.8

71 31.9 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 9.19 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF119644.D

Acq: 30 Mar 2020 20:20

Tgt Ion: 70 Resp: 128654

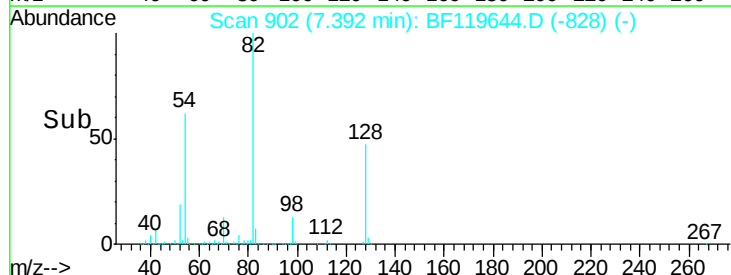
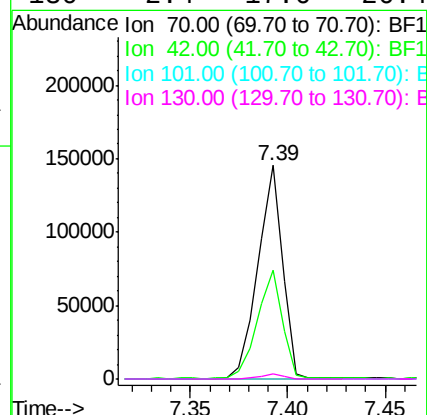
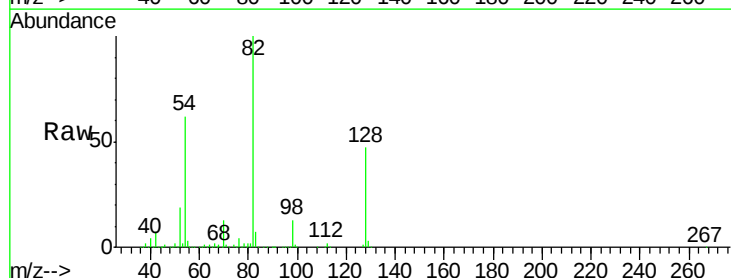
Ion Ratio Lower Upper

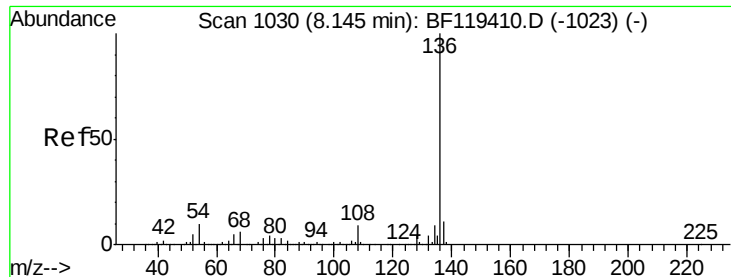
70 100

42 50.9 54.5 81.7#

101 0.0 7.6 11.4#

130 2.4 17.6 26.4#

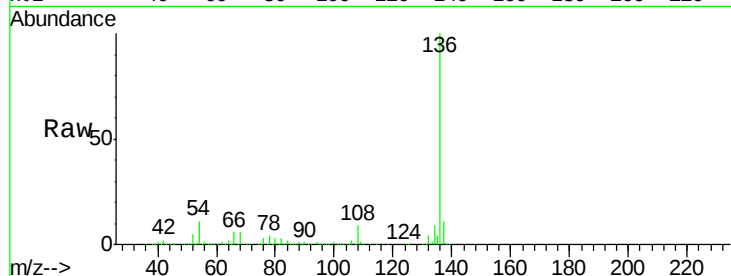




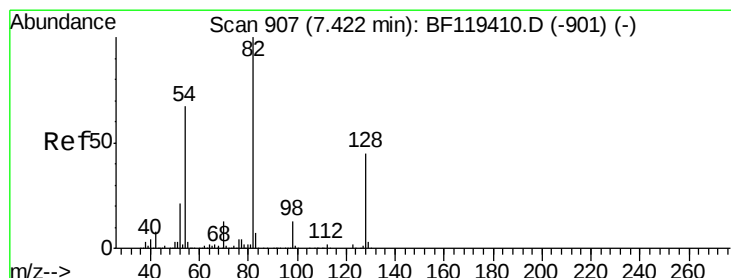
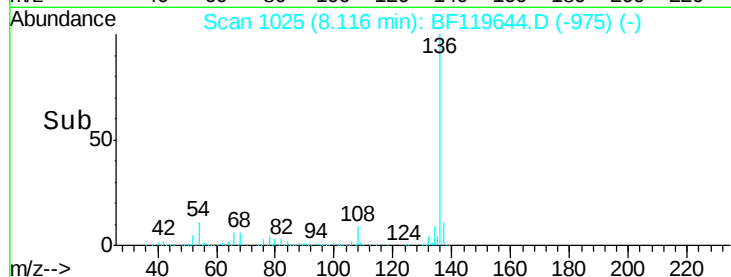
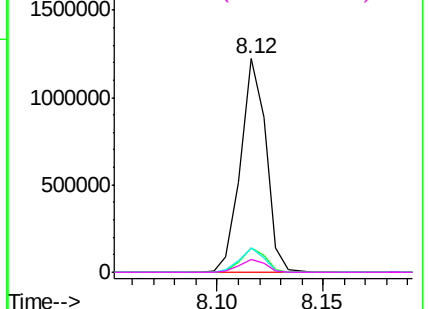
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.12 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BF119644.D  
Acq: 30 Mar 2020 20:20

Instrument :  
BNA\_F  
ClientSampleId :  
SB-03-5.5-6.0

Tgt Ion:136 Resp: 1019491  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.7 13.1  
54 11.1 9.1 13.7  
68 6.1 4.6 6.8

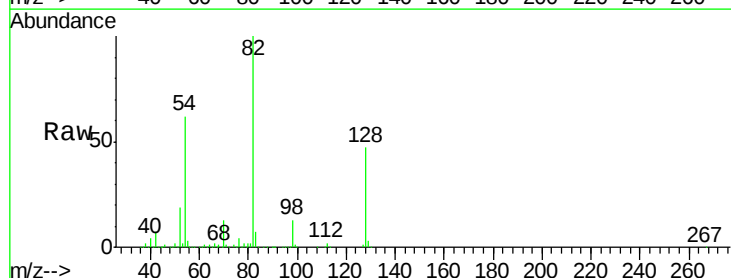


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

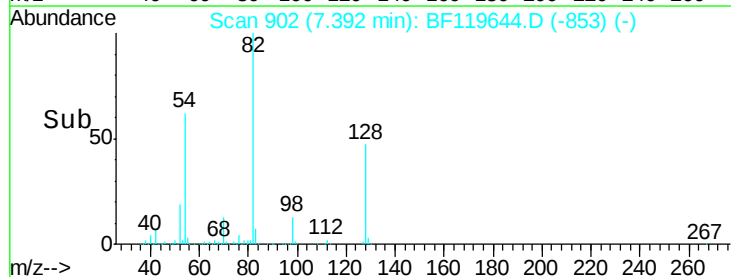
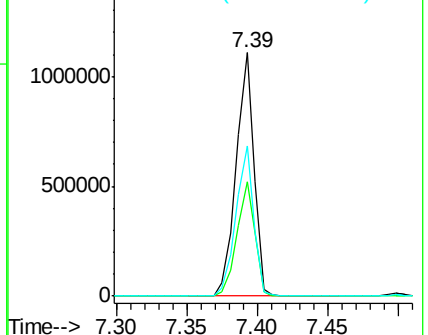


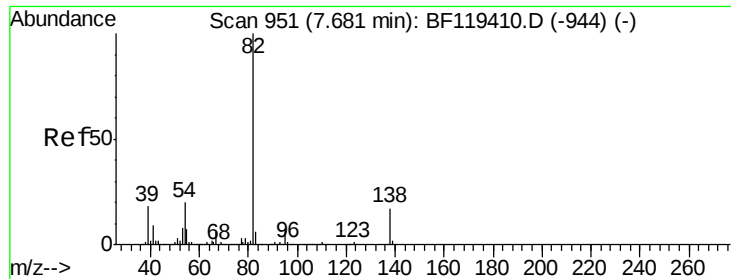
#23  
Nitrobenzene-d5  
Concen: 52.27 ng  
RT: 7.39 min Scan# 902  
Delta R.T. -0.01 min  
Lab File: BF119644.D  
Acq: 30 Mar 2020 20:20

Tgt Ion: 82 Resp: 980481  
Ion Ratio Lower Upper  
82 100  
128 47.2 36.3 54.5  
54 61.9 50.6 75.8



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: 25.55 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.27 min

Lab File: BF119644.D

Acq: 30 Mar 2020 20:20

Instrument :

BNA\_F

ClientSampleId :

SB-03-5.5-6.0

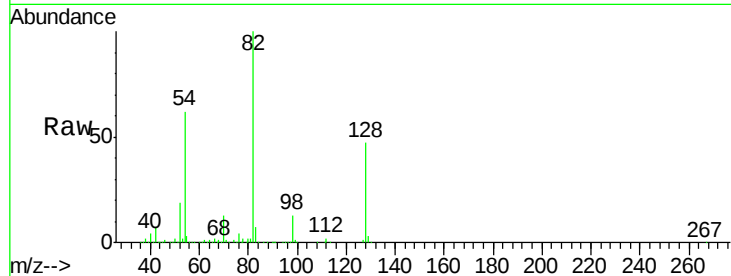
Tgt Ion: 82 Resp: 972353

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

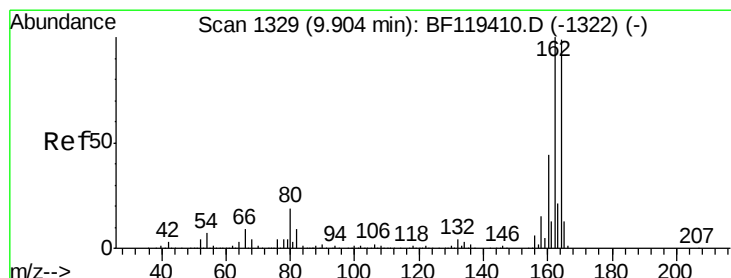
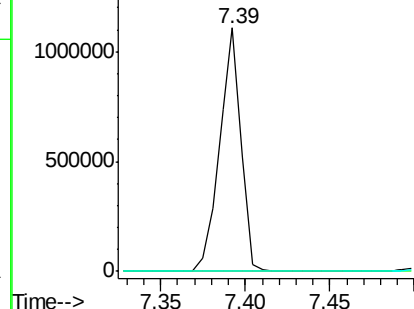
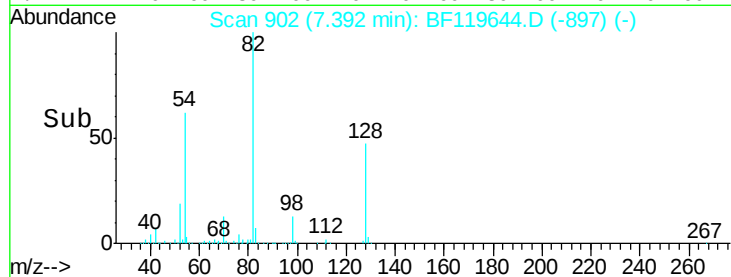
138 0.0 14.6 21.8#



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: 20.00 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF119644.D

Acq: 30 Mar 2020 20:20

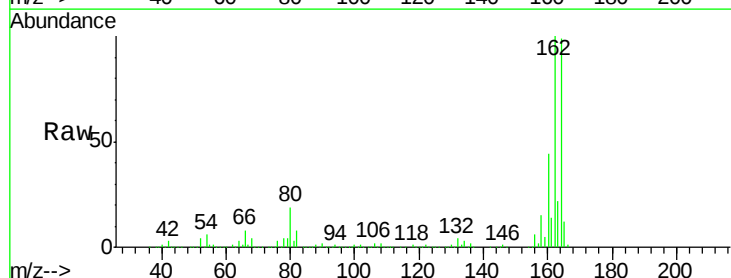
Tgt Ion: 164 Resp: 462313

Ion Ratio Lower Upper

164 100

162 101.5 80.6 121.0

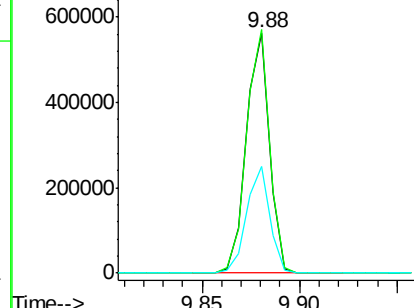
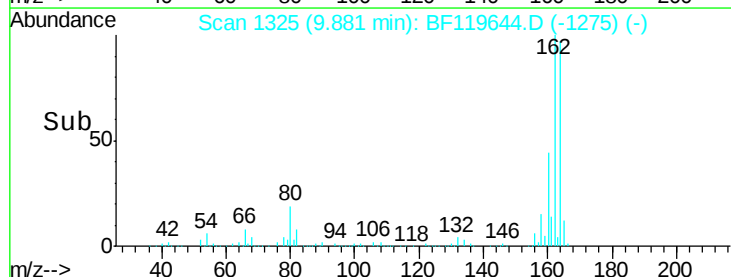
160 44.4 35.7 53.5



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

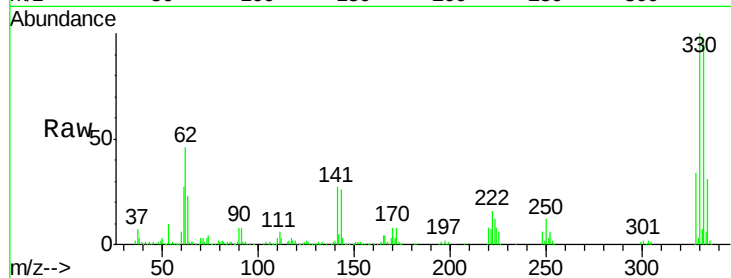




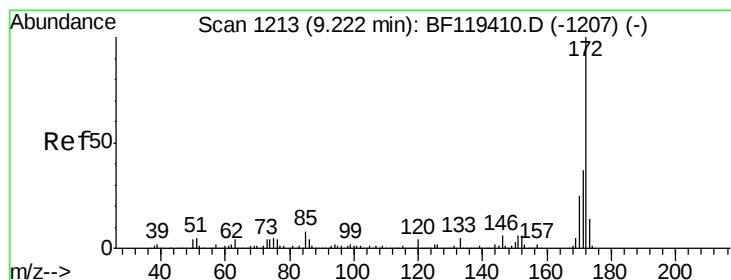
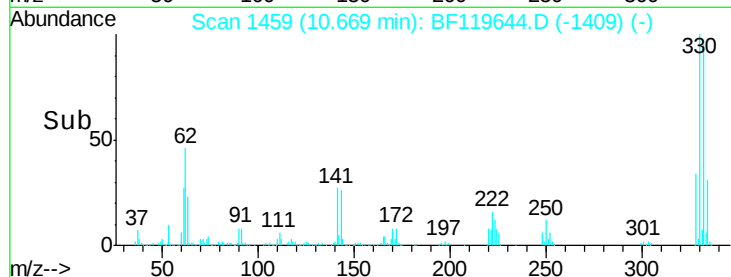
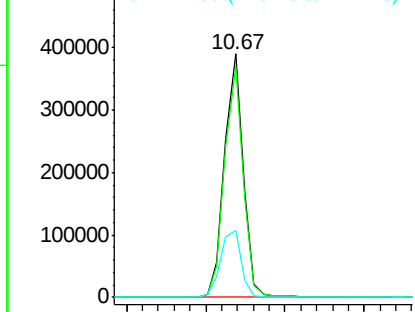
#42  
 2,4,6-Tribromophenol  
 Concen: 67.32 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.01 min  
 Lab File: BF119644.D  
 Acq: 30 Mar 2020 20:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03-5.5-6.0

Tgt Ion: 330 Resp: 321082  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 75.7 113.5  
 141 30.6 25.4 38.0

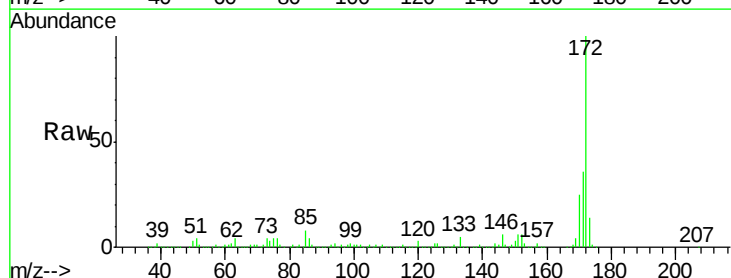


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

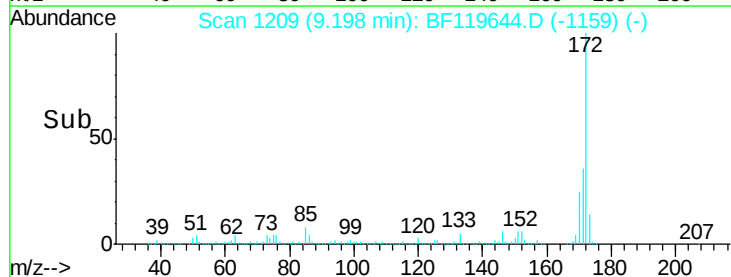
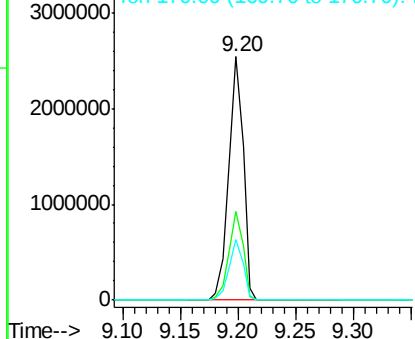


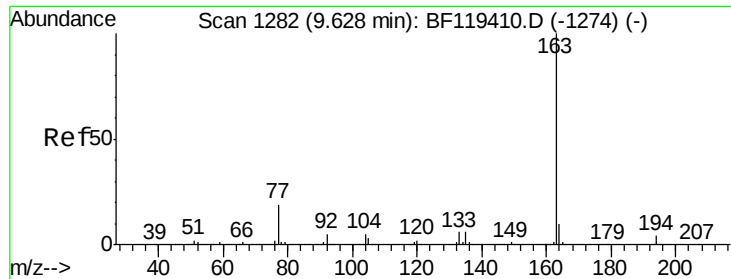
#45  
 2-Fluorobiphenyl  
 Concen: 71.32 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. -0.01 min  
 Lab File: BF119644.D  
 Acq: 30 Mar 2020 20:20

Tgt Ion: 172 Resp: 2225556  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.6 44.4  
 170 24.6 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

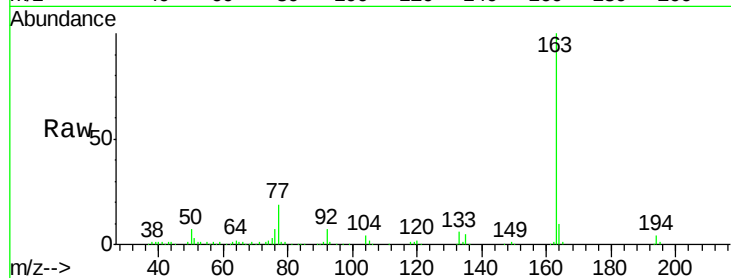




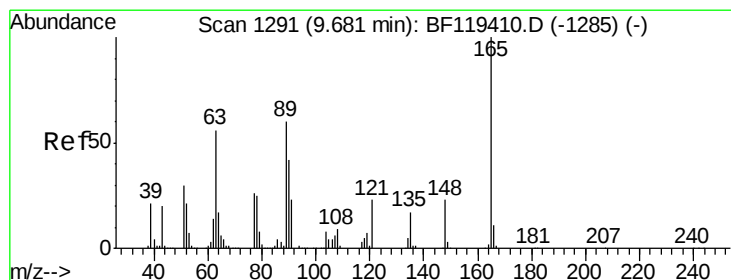
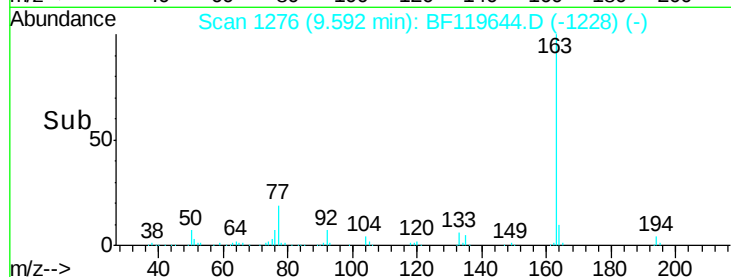
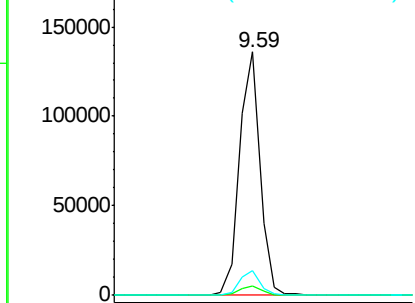
#50  
Dimethylphthalate  
Concen: 3.29 ng  
RT: 9.59 min Scan# 1276  
Delta R.T. -0.02 min  
Lab File: BF119644.D  
Acq: 30 Mar 2020 20:20

Instrument :  
BNA\_F  
ClientSampleId :  
SB-03-5.5-6.0

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.1   | 3.1   | 4.7   |
| 164     | 10.3  | 8.2   | 12.2  |

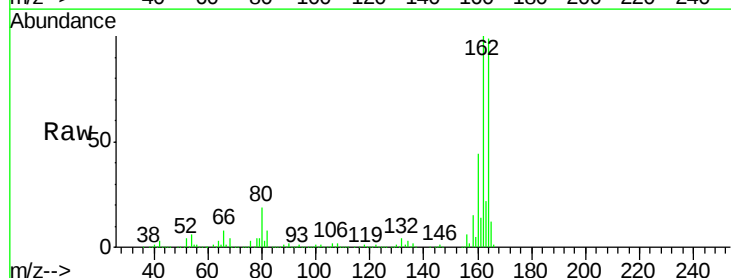


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

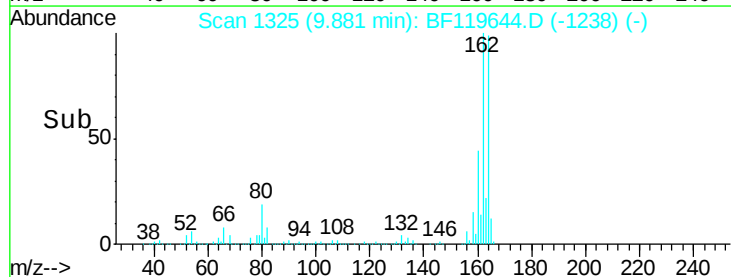
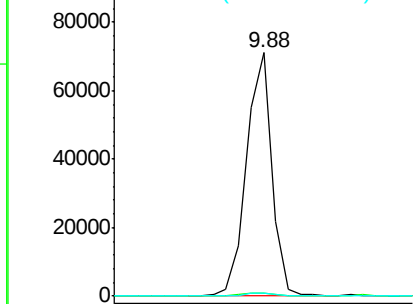


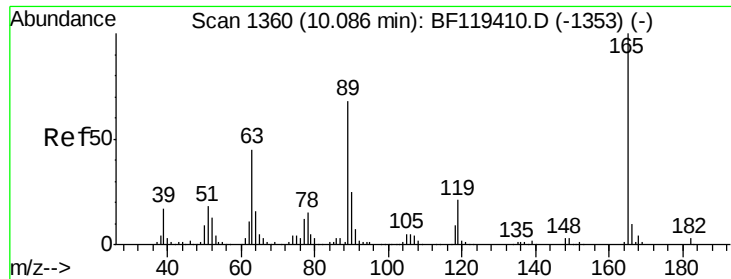
#51  
2,6-Dinitrotoluene  
Concen: 8.45 ng  
RT: 9.88 min Scan# 1325  
Delta R.T. 0.21 min  
Lab File: BF119644.D  
Acq: 30 Mar 2020 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 45.0  | 67.4# |
| 89      | 1.1   | 41.5  | 62.3# |



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

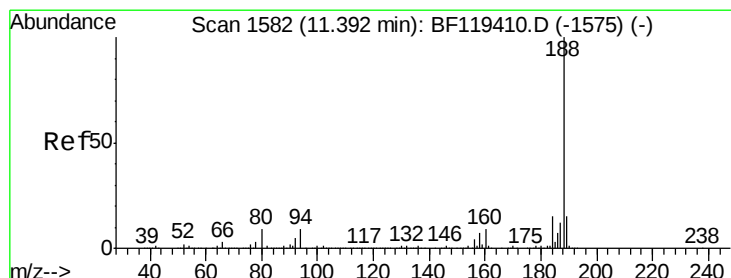
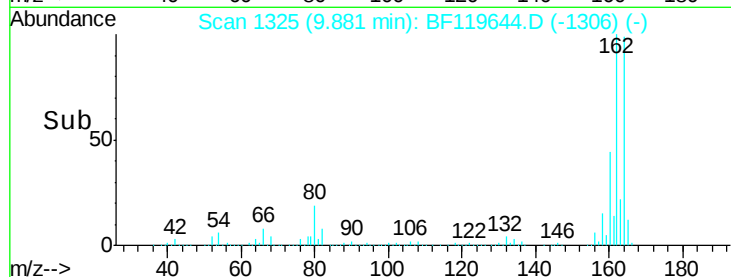
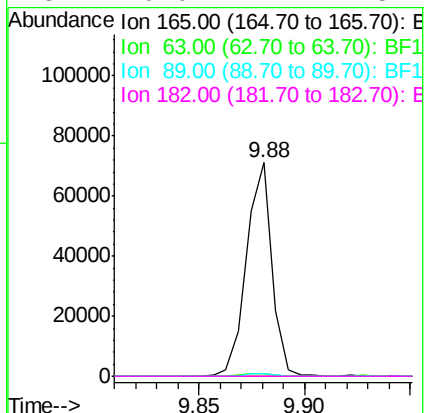
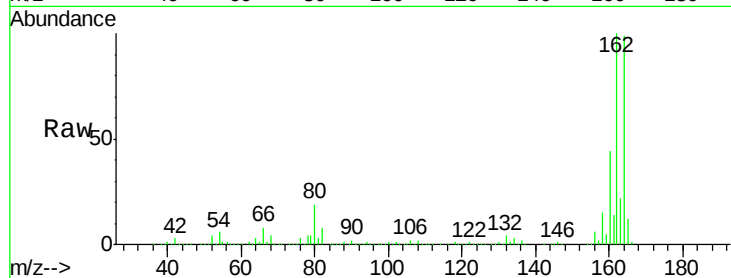




#57  
 2,4-Dinitrotoluene  
 Concen: 6.71 ng  
 RT: 9.88 min Scan# 1325  
 Delta R.T. -0.19 min  
 Lab File: BF119644.D  
 Acq: 30 Mar 2020 20:20

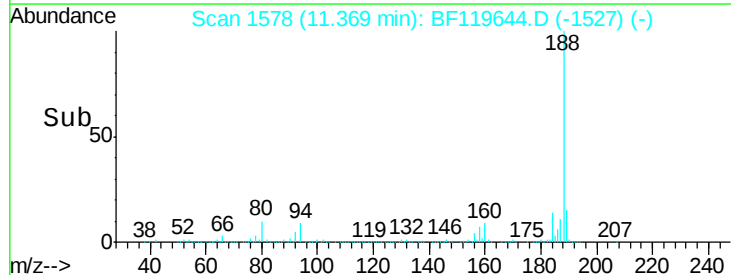
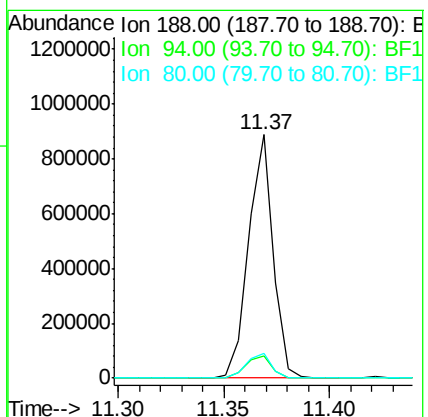
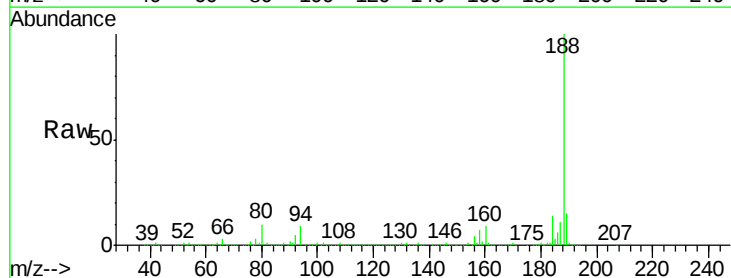
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03-5.5-6.0

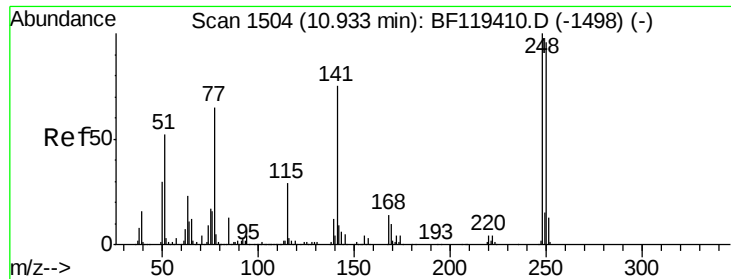
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 42.6  | 64.0# |
| 89      | 1.1   | 61.0  | 91.4# |
| 182     | 0.0   | 2.2   | 3.2#  |



#64  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.37 min Scan# 1578  
 Delta R.T. 0.00 min  
 Lab File: BF119644.D  
 Acq: 30 Mar 2020 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.4   | 7.5   | 11.3  |
| 80      | 10.0  | 9.0   | 13.4  |

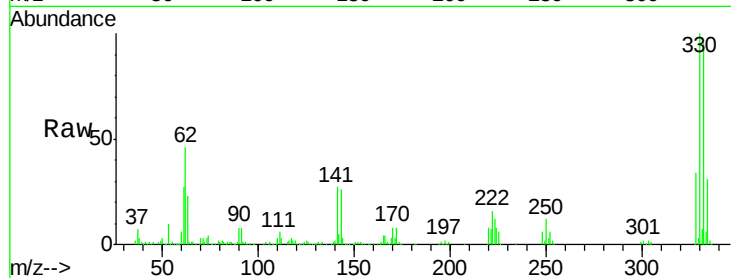




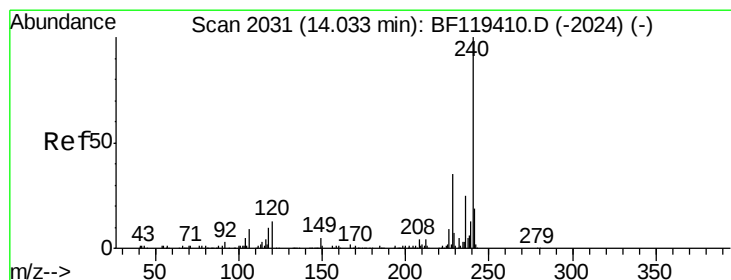
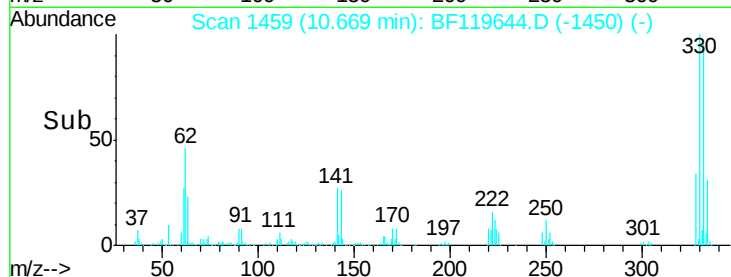
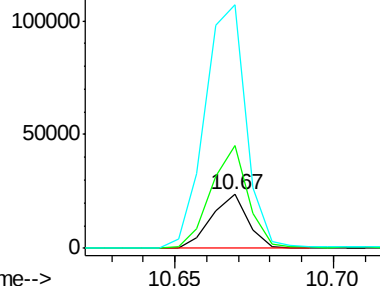
#67  
 4-Bromophenyl-phenylether  
 Concen: 2.30 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.25 min  
 Lab File: BF119644.D  
 Acq: 30 Mar 2020 20:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03-5.5-6.0

Tgt Ion:248 Resp: 18756  
 Ion Ratio Lower Upper  
 248 100  
 250 191.9 77.3 115.9#  
 141 454.5 58.6 87.8#

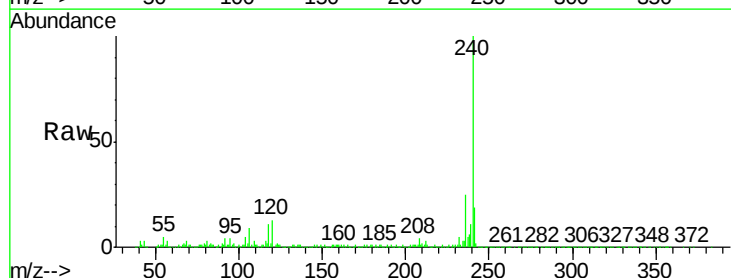


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

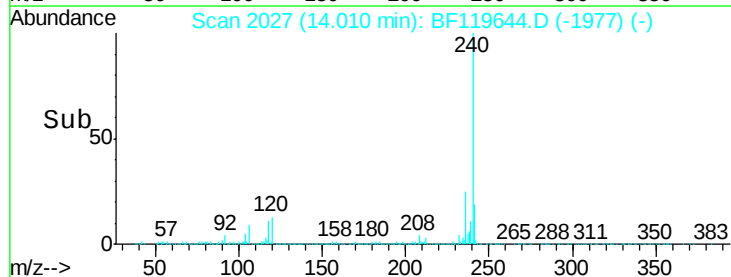
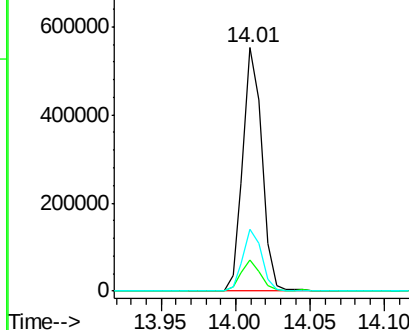


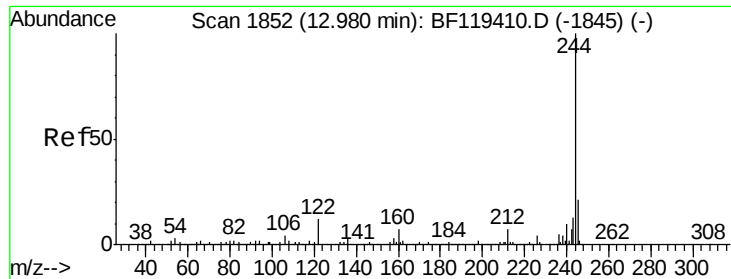
#76  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.01 min Scan# 2027  
 Delta R.T. -0.01 min  
 Lab File: BF119644.D  
 Acq: 30 Mar 2020 20:20

Tgt Ion:240 Resp: 495787  
 Ion Ratio Lower Upper  
 240 100  
 120 13.0 10.6 15.8  
 236 25.4 20.2 30.2



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: 70.34 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF119644.D

Acq: 30 Mar 2020 20:20

Instrument :

BNA\_F

ClientSampleId :

SB-03-5.5-6.0

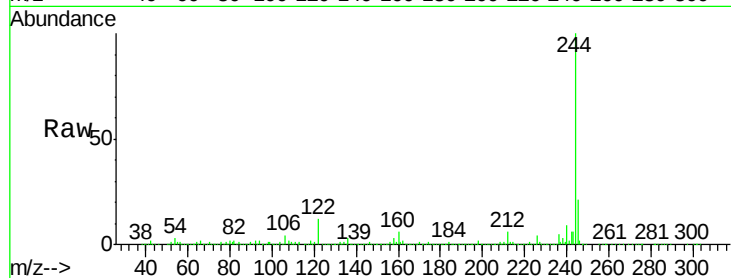
Tgt Ion:244 Resp: 1780000

Ion Ratio Lower Upper

244 100

212 6.3 5.8 8.8

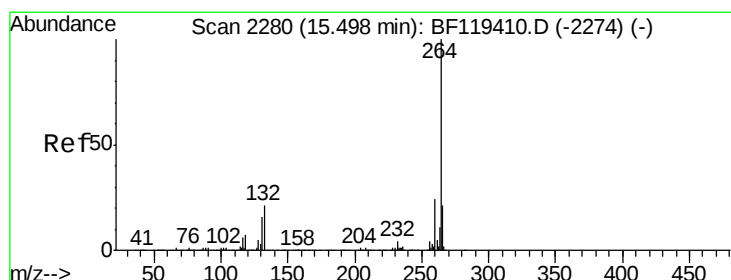
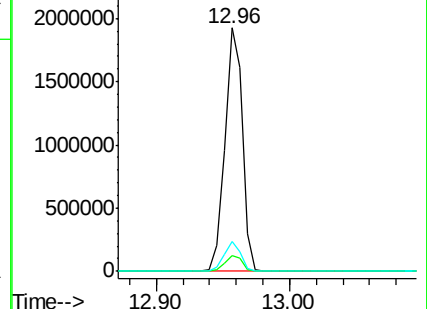
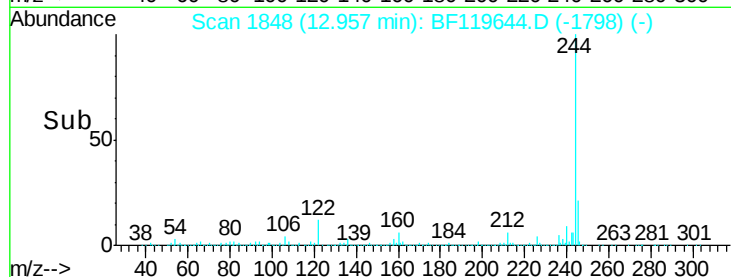
122 12.4 10.3 15.5



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: 20.00 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BF119644.D

Acq: 30 Mar 2020 20:20

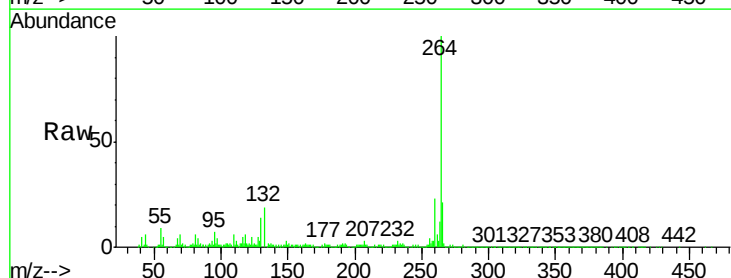
Tgt Ion:264 Resp: 432519

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 20.5 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

