

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032719\  
 Data File : BF113328.D  
 Acq On : 27 Mar 2019 13:57  
 Operator : JU/SJ  
 Sample : K2102-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TT-001-IDWSO-20190325

Quant Time: Mar 28 01:05:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 03:32:08 2019  
 Response via : Initial Calibration

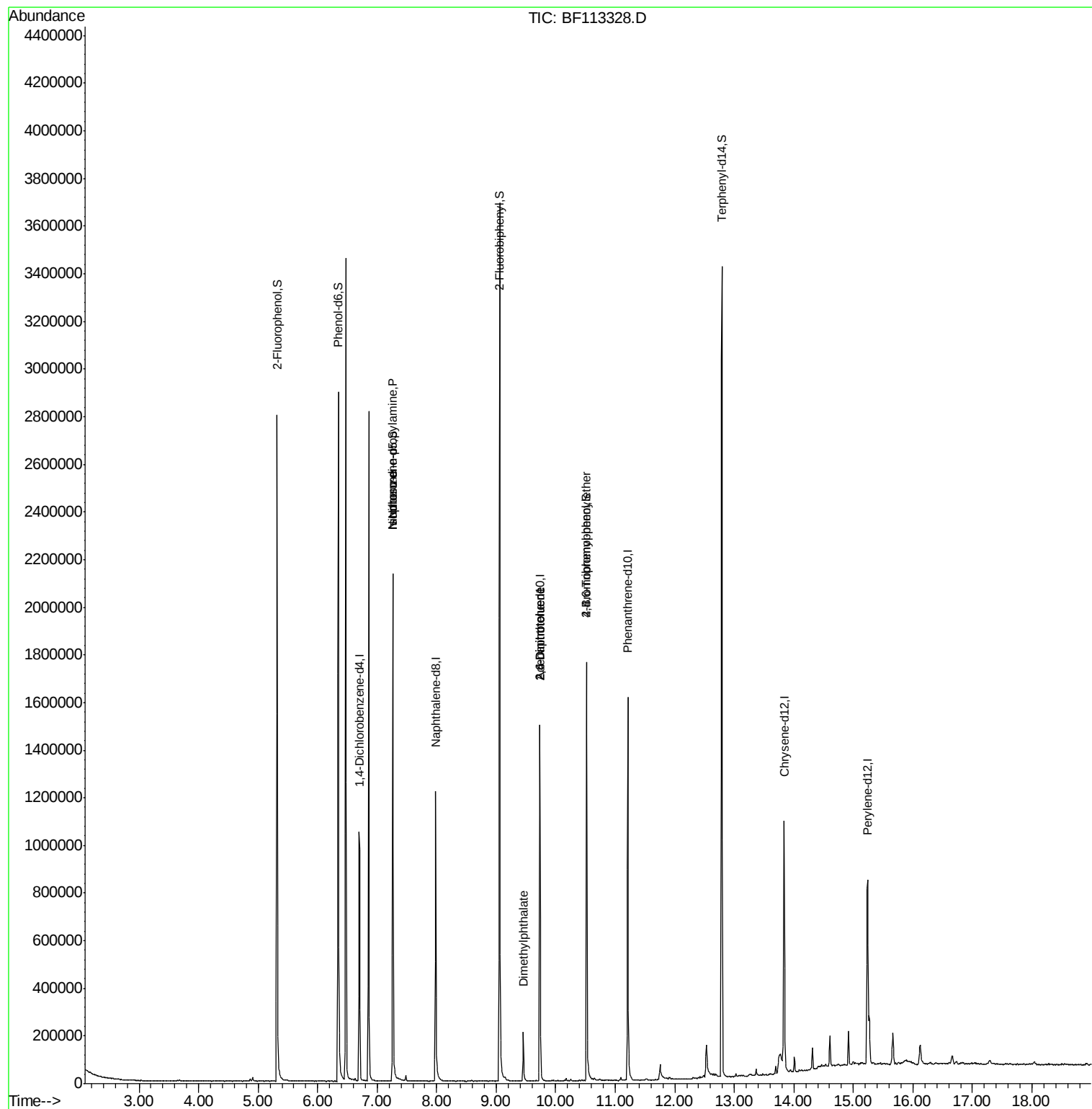
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.70  | 152  | 174289   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.98  | 136  | 657917   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.73  | 164  | 314850   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.21 | 188  | 637165   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.84 | 240  | 427303   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.24 | 264  | 411743   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 897518   | 84.20  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.35  | 99   | 1182985  | 87.73  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.26  | 82   | 711898   | 64.22  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.52 | 330  | 269184   | 69.21  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.06  | 172  | 1273159  | 57.72  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.79 | 244  | 1245183  | 64.23  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70   | 89358    | 10.550 | ng    | # 75     |
| 25) Isophorone                 | 7.26  | 82   | 700272   | 32.599 | ng    | # 64     |
| 50) Dimethylphthalate          | 9.45  | 163  | 109694   | 4.701  | ng    | # 99     |
| 51) 2,6-Dinitrotoluene         | 9.73  | 165  | 39938    | 7.587  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene         | 9.73  | 165  | 39938    | 5.966  | ng    | # 23     |
| 67) 4-Bromophenyl-phenylether  | 10.52 | 248  | 15104    | 2.175  | ng    | # 1      |

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

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Sample : K2102-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TT-001-IDWSO-20190325

Quant Time: Mar 28 01:05:28 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF032519.M  
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Response via : Initial Calibration



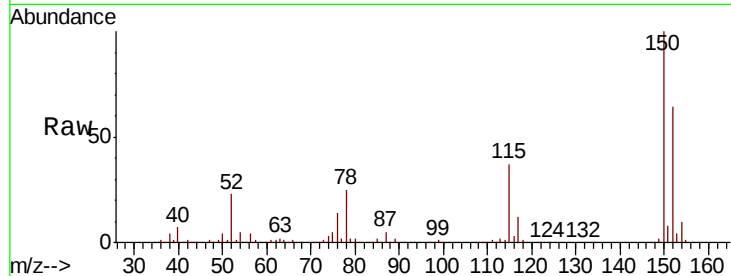


#1

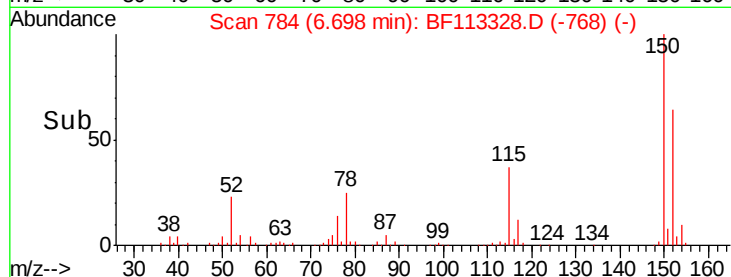
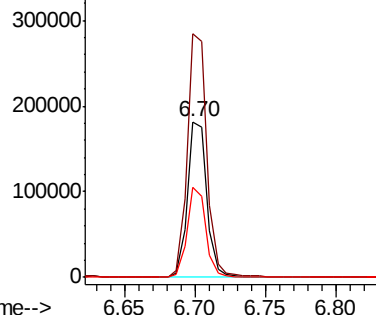
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. -0.01 min  
Lab File: BF113328.D  
Acq: 27 Mar 2019 13:57

Instrument :  
BNA\_F  
ClientSampleId :  
TT-001-IDWSO-20190325

Tgt Ion:152 Resp: 174289  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.7 187.1  
115 58.2 46.0 69.0



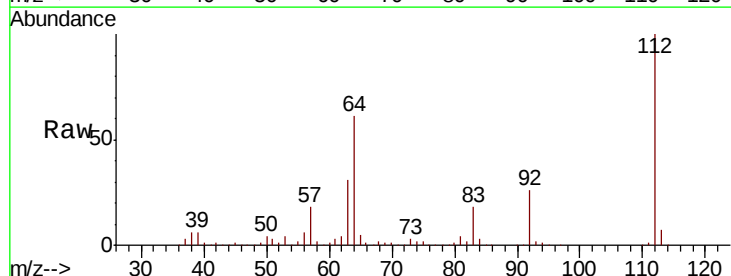
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



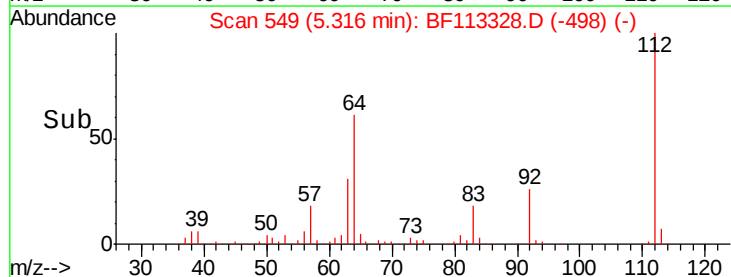
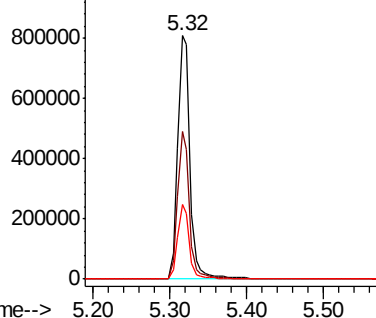
#5

2-Fluorophenol  
Concen: 84.202 ng  
RT: 5.32 min Scan# 549  
Delta R.T. 0.00 min  
Lab File: BF113328.D  
Acq: 27 Mar 2019 13:57

Tgt Ion:112 Resp: 897518  
Ion Ratio Lower Upper  
112 100  
64 60.9 49.2 73.8  
63 30.8 24.9 37.3



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: 87.730 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113328.D

Acq: 27 Mar 2019 13:57

Instrument :

BNA\_F

ClientSampleId :

TT-001-IDWSO-20190325

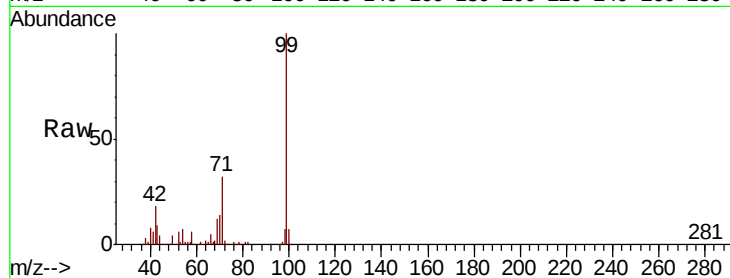
Tgt Ion: 99 Resp: 1182985

Ion Ratio Lower Upper

99 100

42 18.4 14.8 22.2

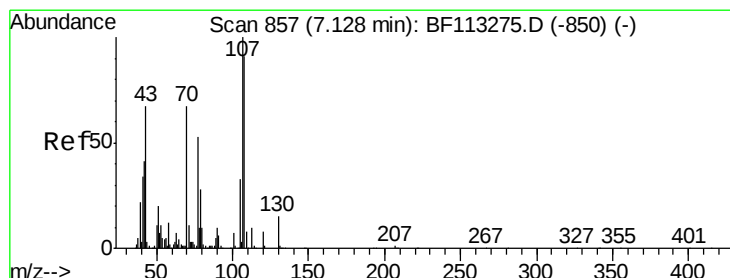
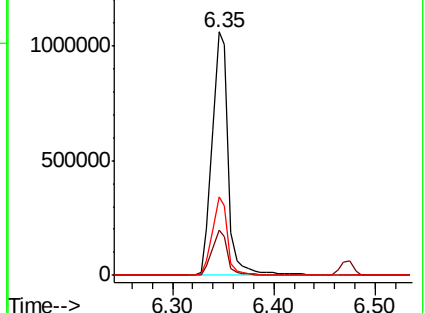
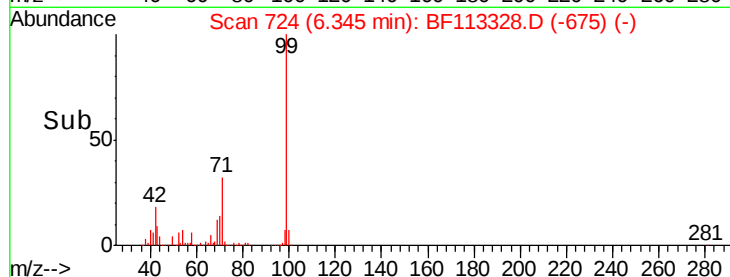
71 32.0 24.9 37.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.550 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113328.D

Acq: 27 Mar 2019 13:57

Tgt Ion: 70 Resp: 89358

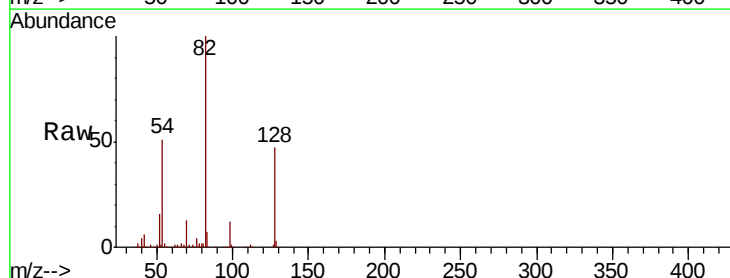
Ion Ratio Lower Upper

70 100

42 46.8 48.4 72.6#

101 0.0 7.8 11.8#

130 1.9 18.2 27.4#

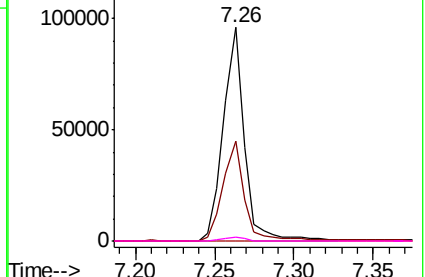
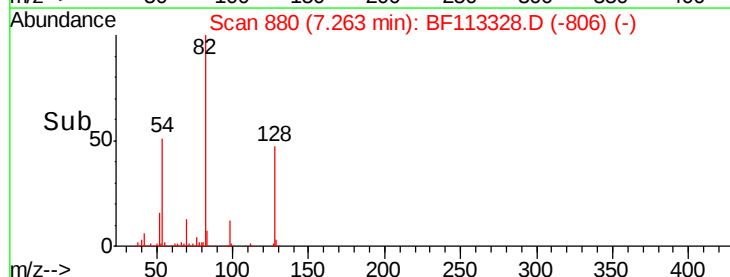


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113328.D

Acq: 27 Mar 2019 13:57

Instrument :

BNA\_F

ClientSampleId :

TT-001-IDWSO-20190325

Tgt Ion:136 Resp: 657917

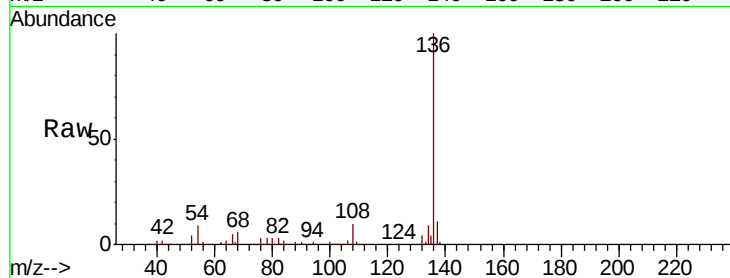
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.8 7.0 10.6

68 6.3 4.8 7.2

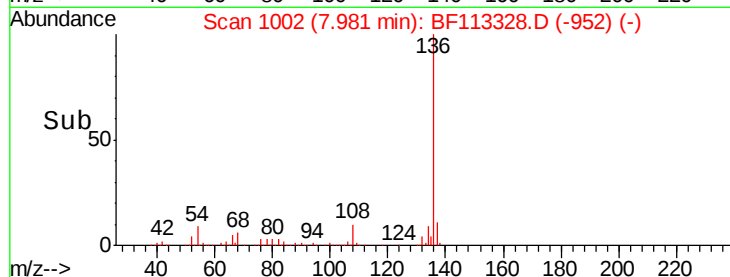


Abundance Ion 136.00 (135.70 to 136.70): E

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



Abundance

7.98

800000

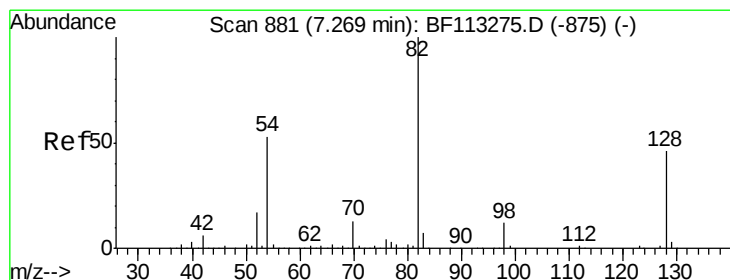
600000

400000

200000

0

Time-->



#23

Nitrobenzene-d5

Concen: 64.224 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.00 min

Lab File: BF113328.D

Acq: 27 Mar 2019 13:57

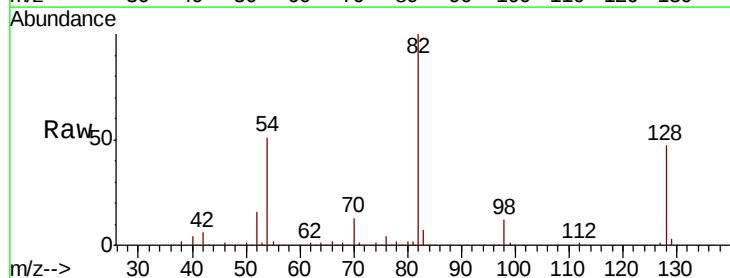
Tgt Ion: 82 Resp: 711898

Ion Ratio Lower Upper

82 100

128 47.4 36.5 54.7

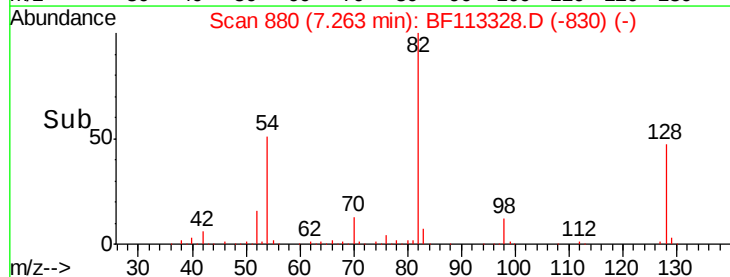
54 51.0 42.2 63.2



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



Abundance

7.26

1000000

800000

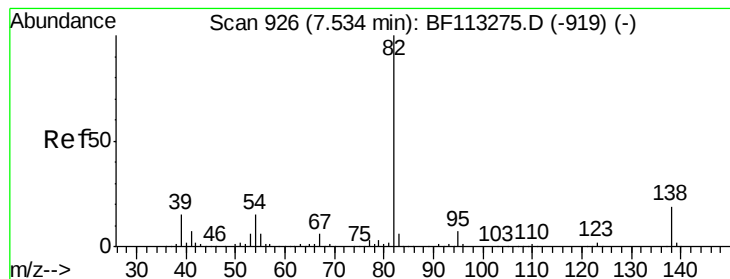
600000

400000

200000

0

Time-->



#25

Isophorone

Concen: 32.599 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.27 min

Lab File: BF113328.D

Acq: 27 Mar 2019 13:57

Instrument :

BNA\_F

ClientSampleId :

TT-001-IDWSO-20190325

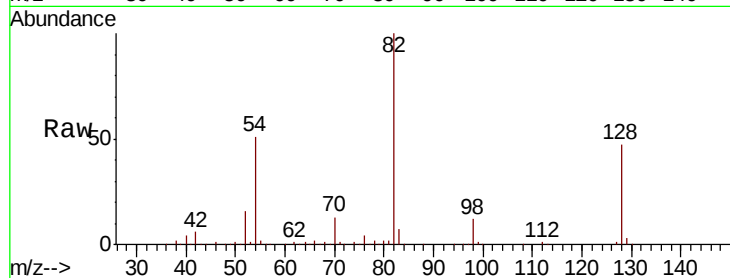
Tgt Ion: 82 Resp: 700272

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

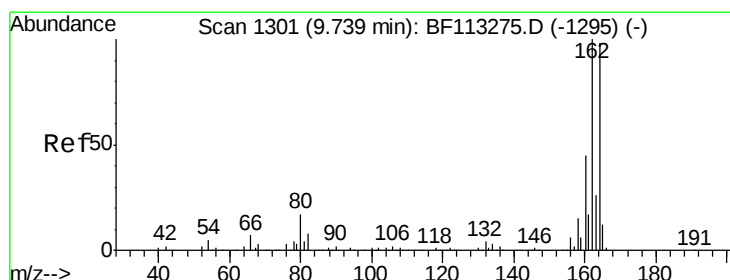
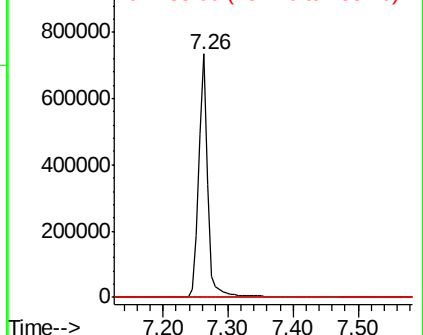
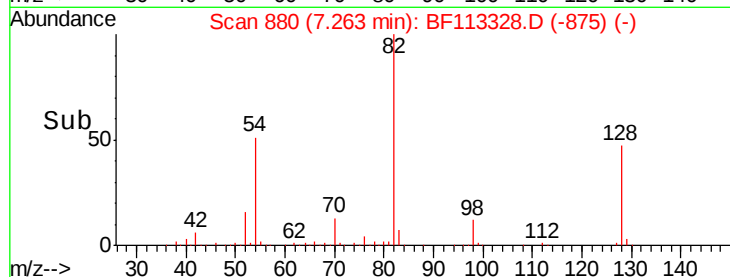
138 0.0 15.2 22.8#



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: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113328.D

Acq: 27 Mar 2019 13:57

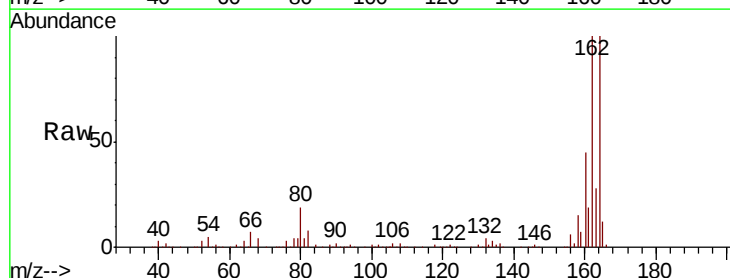
Tgt Ion: 164 Resp: 314850

Ion Ratio Lower Upper

164 100

162 100.3 81.8 122.6

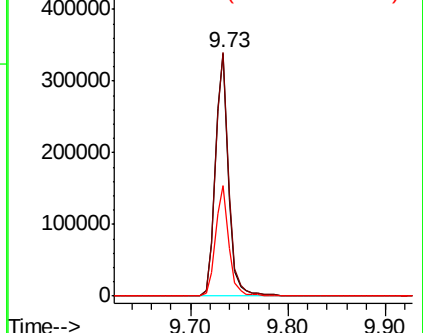
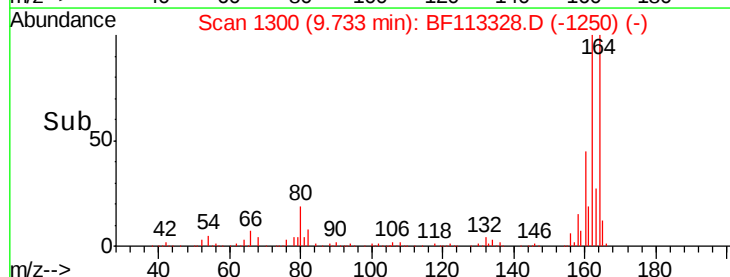
160 45.4 36.4 54.6

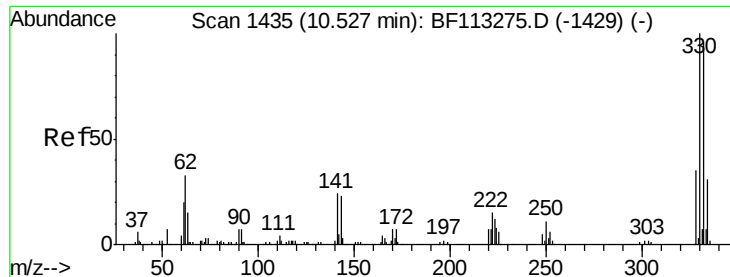


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

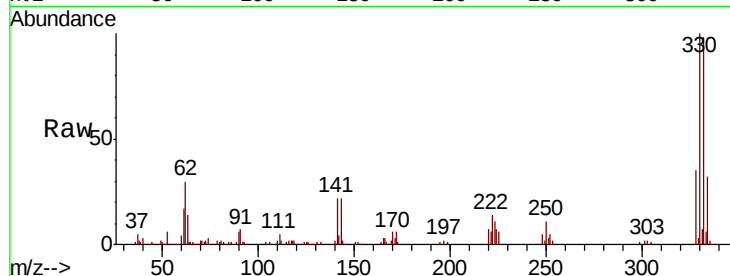




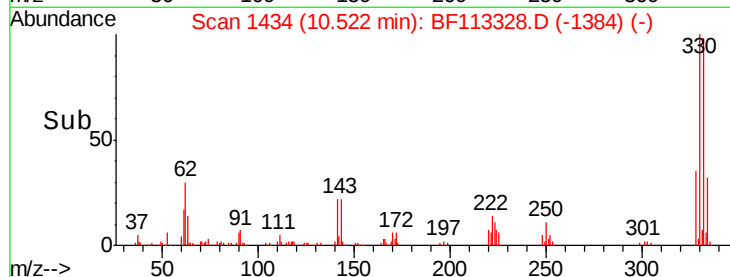
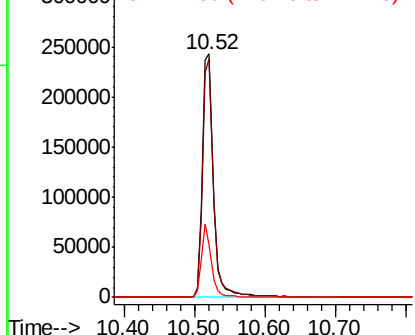
#42  
 2,4,6-Tribromophenol  
 Concen: 69.215 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF113328.D  
 Acq: 27 Mar 2019 13:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TT-001-IDWSO-20190325

Tgt Ion:330 Resp: 269184  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 77.8 116.6  
 141 26.9 22.7 34.1

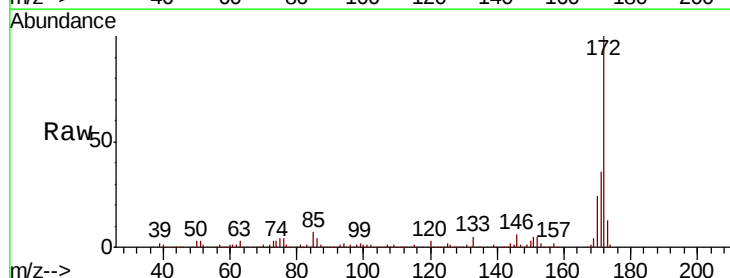


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

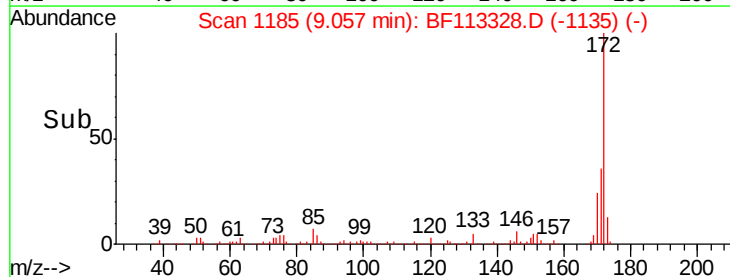
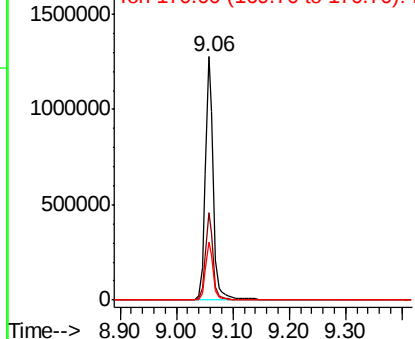


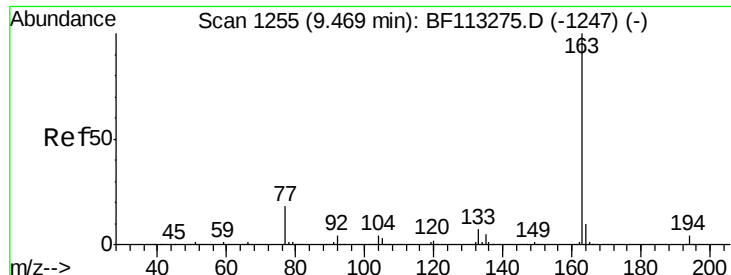
#45  
 2-Fluorobiphenyl  
 Concen: 57.719 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. -0.00 min  
 Lab File: BF113328.D  
 Acq: 27 Mar 2019 13:57

Tgt Ion:172 Resp: 1273159  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.0 43.6  
 170 24.0 19.5 29.3



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

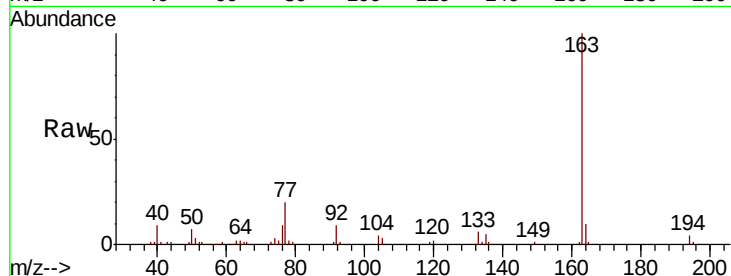




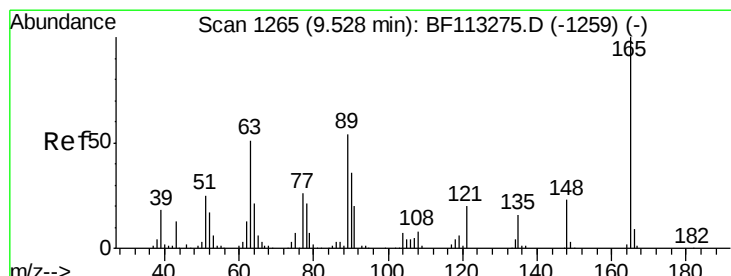
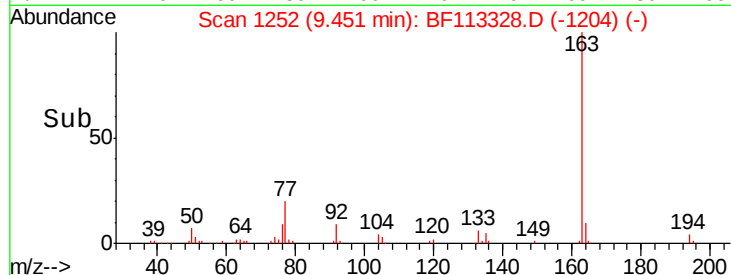
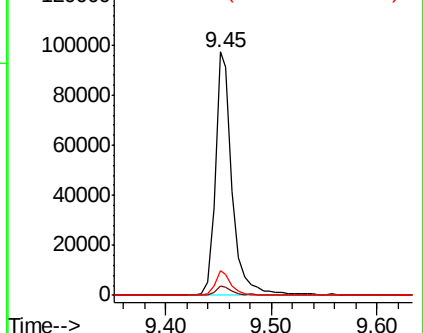
#50  
Dimethylphthalate  
Concen: 4.701 ng  
RT: 9.45 min Scan# 1252  
Delta R.T. -0.02 min  
Lab File: BF113328.D  
Acq: 27 Mar 2019 13:57

Instrument :  
BNA\_F  
ClientSampleId :  
TT-001-IDWSO-20190325

Tgt Ion:163 Resp: 109694  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.0 4.6  
164 10.4 8.1 12.1

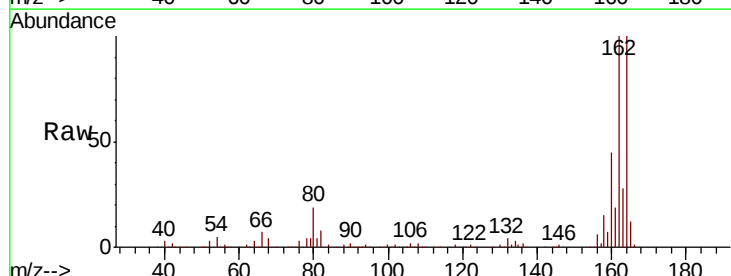


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

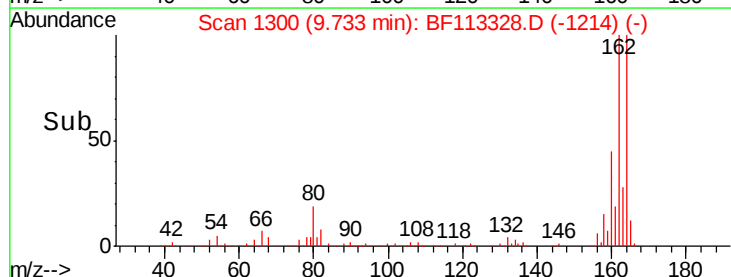
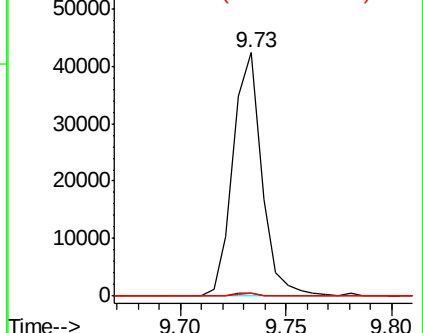


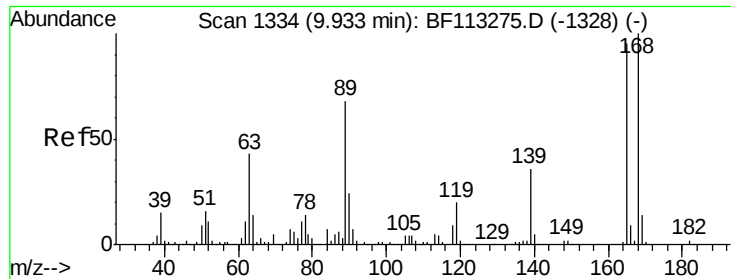
#51  
2,6-Dinitrotoluene  
Concen: 7.587 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. 0.21 min  
Lab File: BF113328.D  
Acq: 27 Mar 2019 13:57

Tgt Ion:165 Resp: 39938  
Ion Ratio Lower Upper  
165 100  
63 1.1 43.4 65.0#  
89 1.4 43.1 64.7#



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

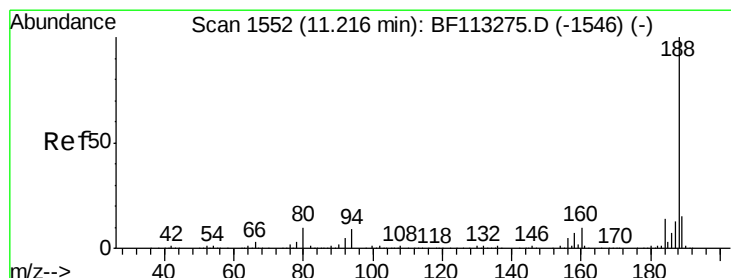
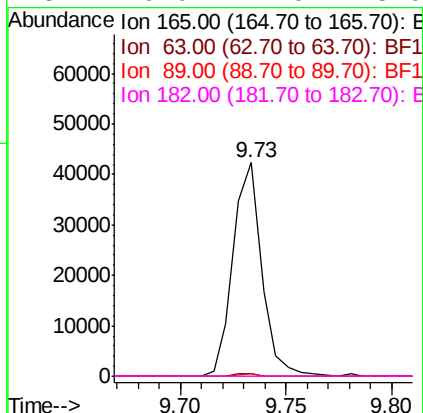
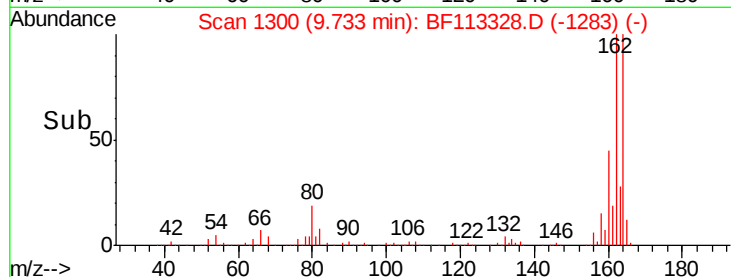
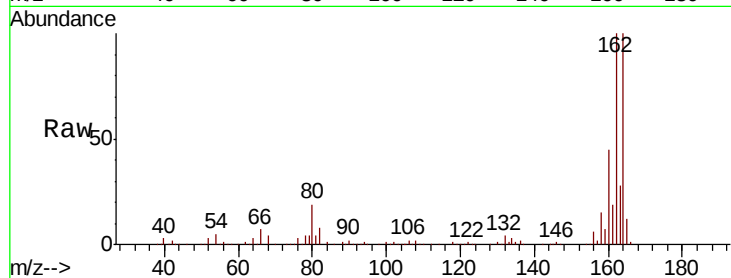




#57  
2,4-Dinitrotoluene  
Concen: 5.966 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. -0.20 min  
Lab File: BF113328.D  
Acq: 27 Mar 2019 13:57

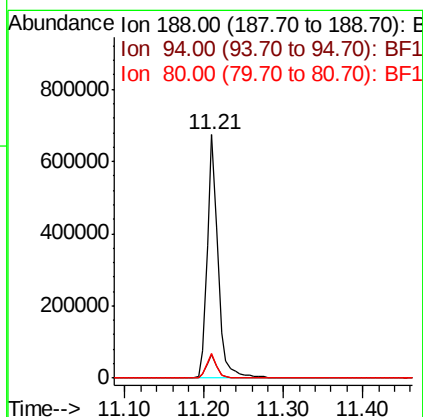
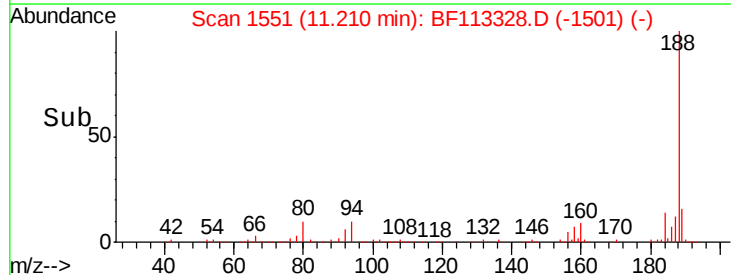
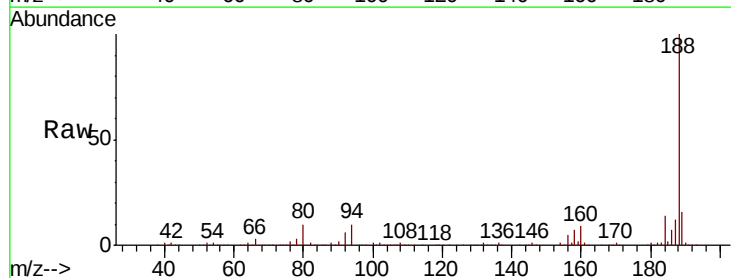
Instrument :  
BNA\_F  
ClientSampleId :  
TT-001-IDWSO-20190325

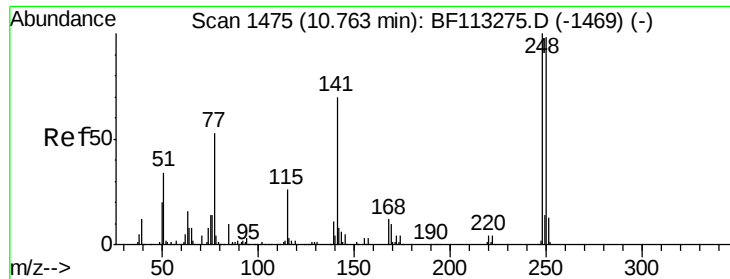
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 37.5  | 56.3# |
| 89      | 1.4   | 57.4  | 86.2# |
| 182     | 0.0   | 2.0   | 3.0#  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF113328.D  
Acq: 27 Mar 2019 13:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.9   | 7.0   | 10.6  |
| 80      | 10.2  | 7.7   | 11.5  |

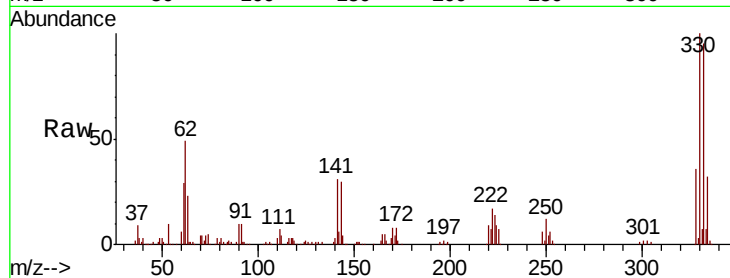




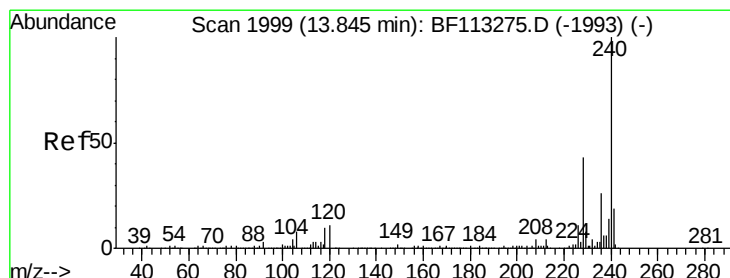
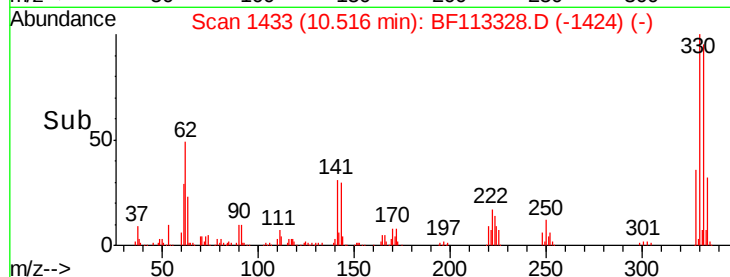
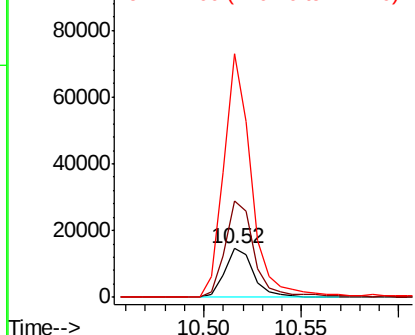
#67  
4-Bromophenyl-phenylether  
Concen: 2.175 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. -0.25 min  
Lab File: BF113328.D  
Acq: 27 Mar 2019 13:57

Instrument :  
BNA\_F  
ClientSampleId :  
TT-001-IDWSO-20190325

Tgt Ion:248 Resp: 15104  
Ion Ratio Lower Upper  
248 100  
250 199.4 78.3 117.5#  
141 501.0 56.2 84.4#

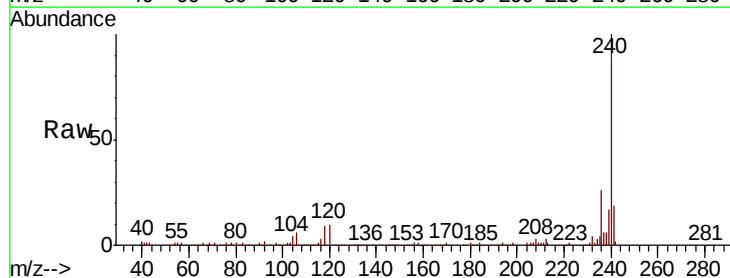


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

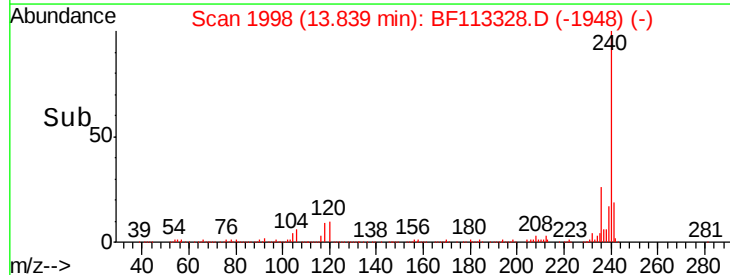
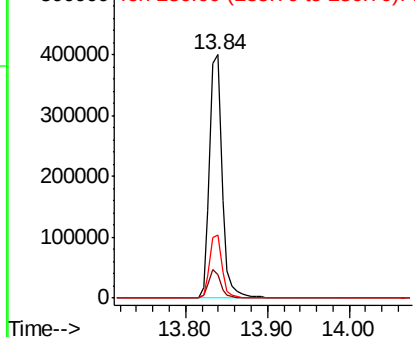


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.84 min Scan# 1998  
Delta R.T. -0.01 min  
Lab File: BF113328.D  
Acq: 27 Mar 2019 13:57

Tgt Ion:240 Resp: 427303  
Ion Ratio Lower Upper  
240 100  
120 9.8 8.8 13.2  
236 25.7 20.9 31.3



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: 64.231 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF113328.D

Acq: 27 Mar 2019 13:57

Instrument :

BNA\_F

ClientSampleId :

TT-001-IDWSO-20190325

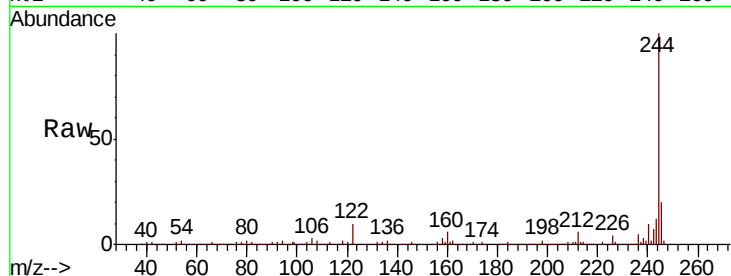
Tgt Ion:244 Resp: 1245183

Ion Ratio Lower Upper

244 100

212 6.4 5.5 8.3

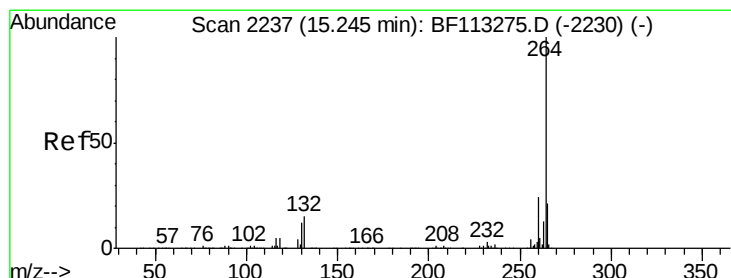
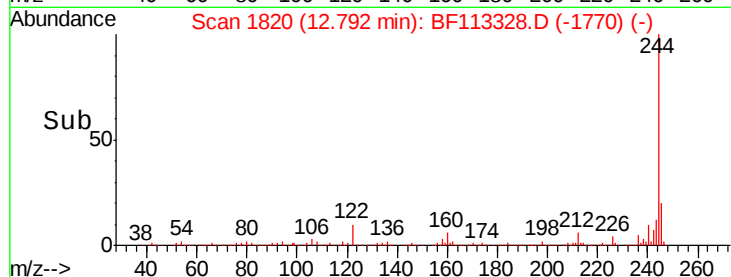
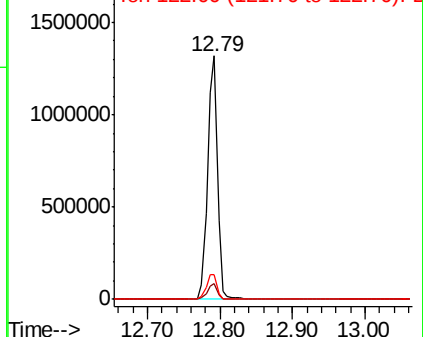
122 10.2 8.6 13.0



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: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113328.D

Acq: 27 Mar 2019 13:57

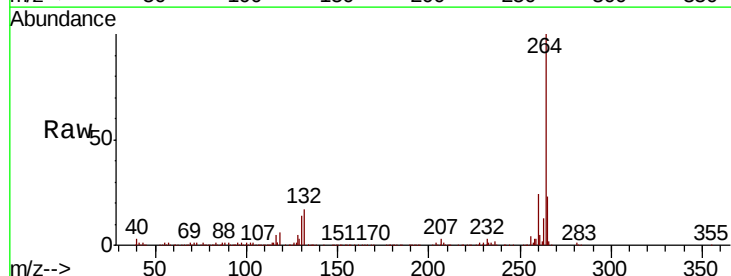
Tgt Ion:264 Resp: 411743

Ion Ratio Lower Upper

264 100

260 24.1 19.1 28.7

265 22.6 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

