

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF012919\  
 Data File : BF112305.D  
 Acq On : 29 Jan 2019 19:54  
 Operator : JU/SJ  
 Sample : K1266-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 012519-SIDI-E-D-B

Quant Time: Jan 30 00:10:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.84  | 152  | 181187   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.12  | 136  | 661311   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.87  | 164  | 296454   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.36 | 188  | 517393   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.00 | 240  | 404904   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.47 | 264  | 378340   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.47  | 112  | 342972   | 40.21 | ng    | 0.00     |
| 7) Phenol-d6                | 6.49  | 99   | 252026   | 21.26 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 1013347  | 88.29 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 295044   | 85.50 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 1828389  | 87.23 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.94 | 244  | 1550402  | 72.12 | ng    | 0.00     |

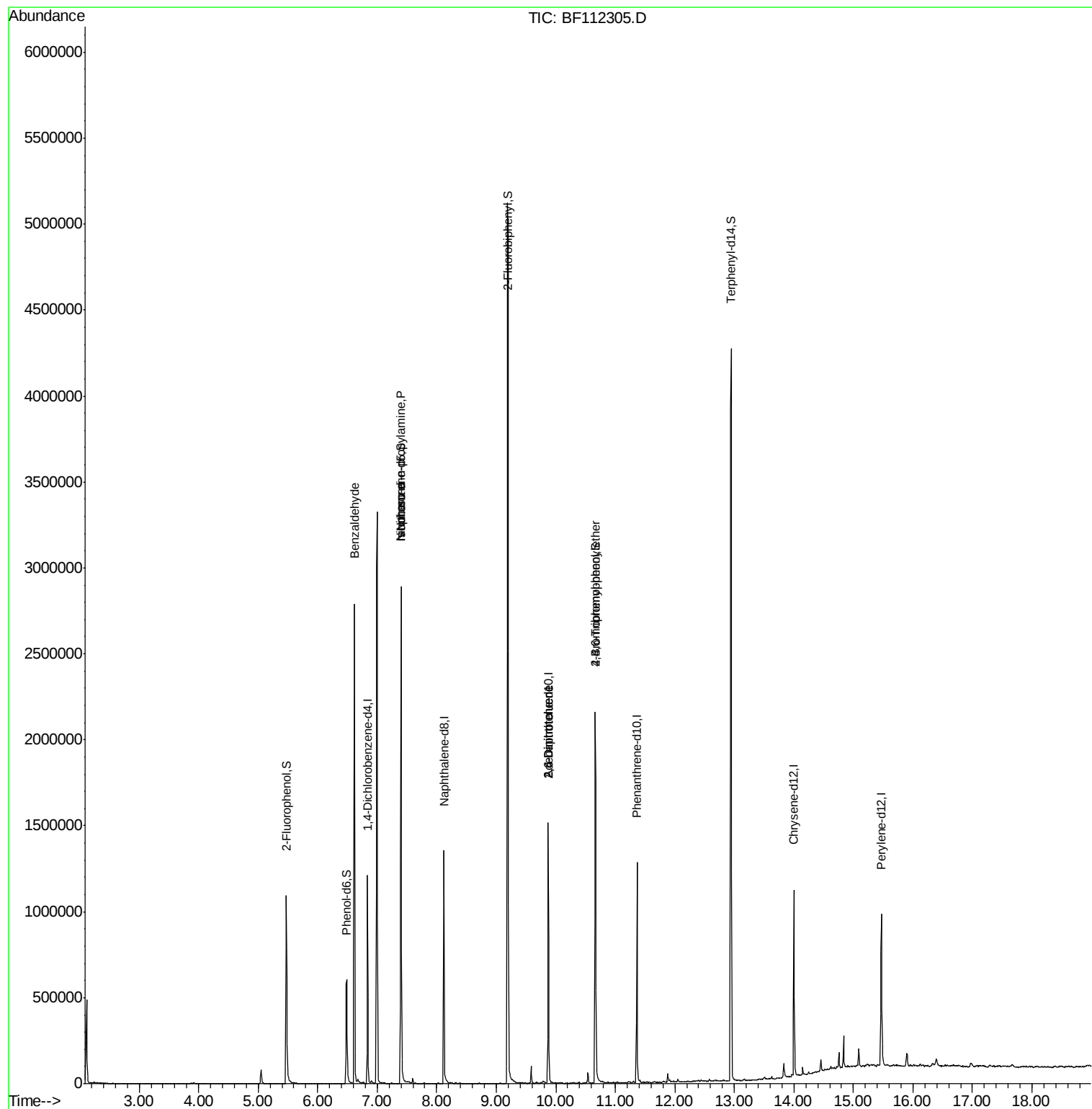
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 9) Benzaldehyde                | 6.62  | 77   | 16214    | 2.617  | ng    | 84     |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70   | 137560   | 16.831 | ng    | # 75   |
| 25) Isophorone                 | 7.40  | 82   | 1008789  | 56.028 | ng    | # 63   |
| 51) 2,6-Dinitrotoluene         | 9.87  | 165  | 38881    | 7.537  | ng    | # 34   |
| 57) 2,4-Dinitrotoluene         | 9.87  | 165  | 38881    | 5.921  | ng    | # 32   |
| 67) 4-Bromophenyl-phenylether  | 10.66 | 248  | 17089    | 2.808  | ng    | # 1    |

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

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QLast Update : Mon Jan 28 10:38:18 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF112305.D

Acq: 29 Jan 2019 19:54

Instrument :

BNA\_F

ClientSampleId :

012519-SIDI-E-D-B

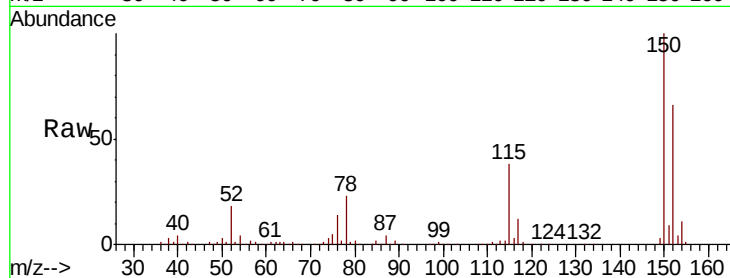
Tgt Ion:152 Resp: 181187

Ion Ratio Lower Upper

152 100

150 152.3 127.4 191.0

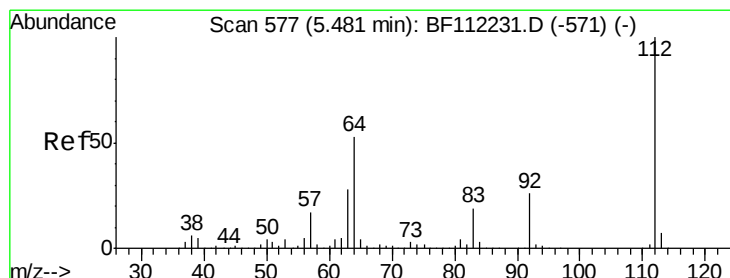
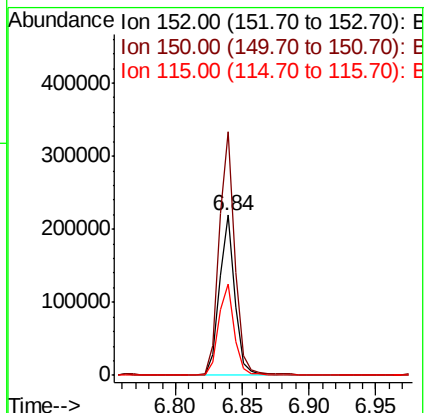
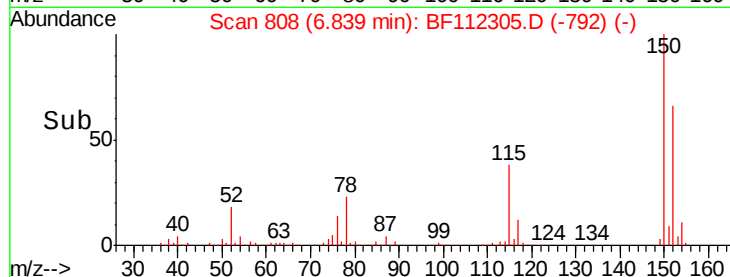
115 57.2 45.5 68.3



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: 40.207 ng

RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF112305.D

Acq: 29 Jan 2019 19:54

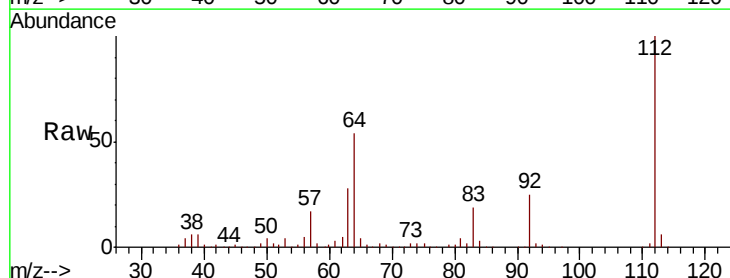
Tgt Ion:112 Resp: 342972

Ion Ratio Lower Upper

112 100

64 54.4 45.7 68.5

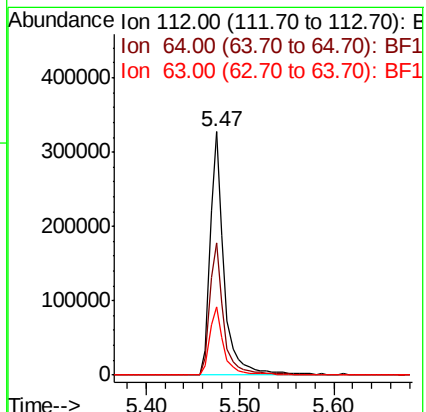
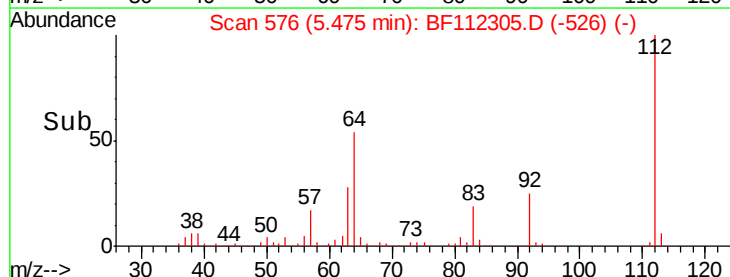
63 28.2 23.6 35.4



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: 21.262 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112305.D

Acq: 29 Jan 2019 19:54

Instrument :

BNA\_F

ClientSampleId :

012519-SIDI-E-D-B

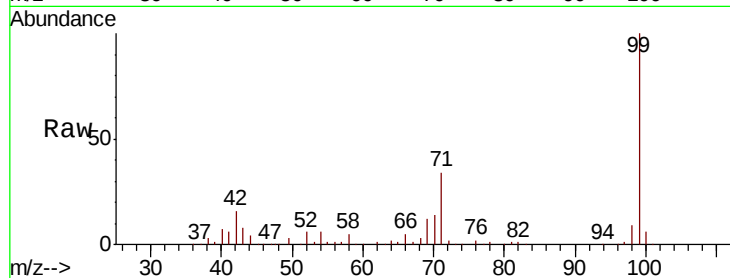
Tgt Ion: 99 Resp: 252026

Ion Ratio Lower Upper

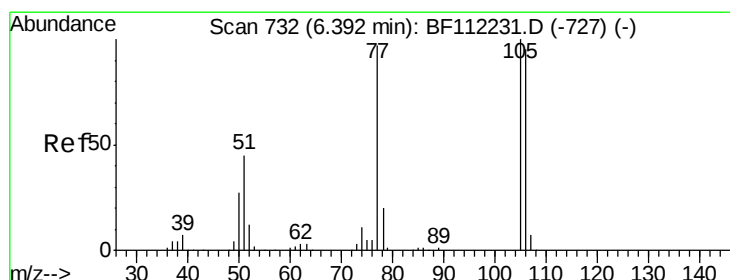
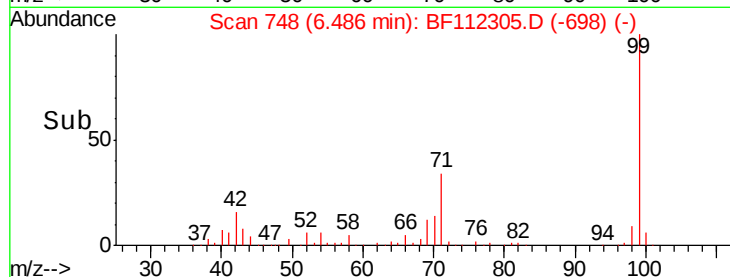
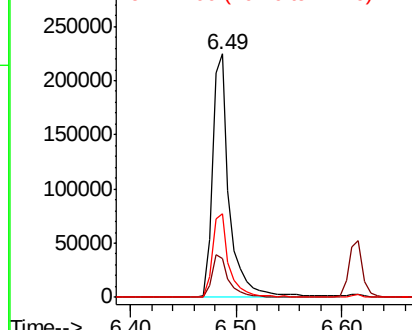
99 100

42 15.8 15.1 22.7

71 34.2 26.9 40.3



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



#9

Benzaldehyde

Concen: 2.617 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.22 min

Lab File: BF112305.D

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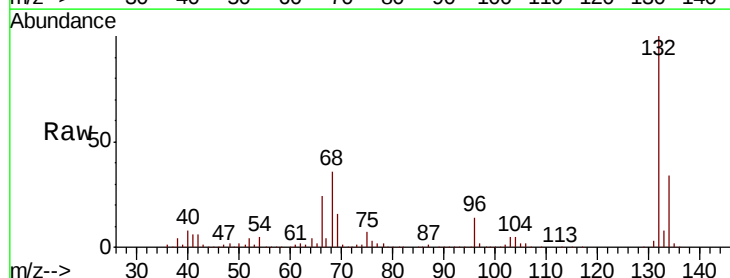
Tgt Ion: 77 Resp: 16214

Ion Ratio Lower Upper

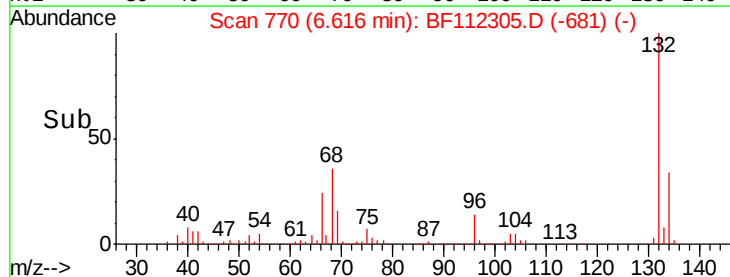
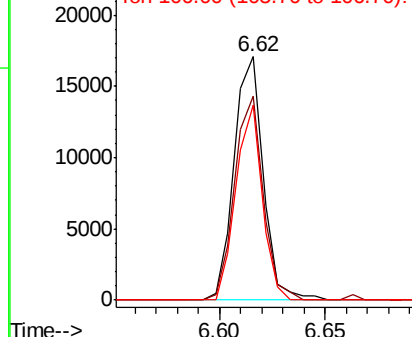
77 100

105 84.0 80.8 120.8

106 80.3 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): E  
Ion 106.00 (105.70 to 106.70): E

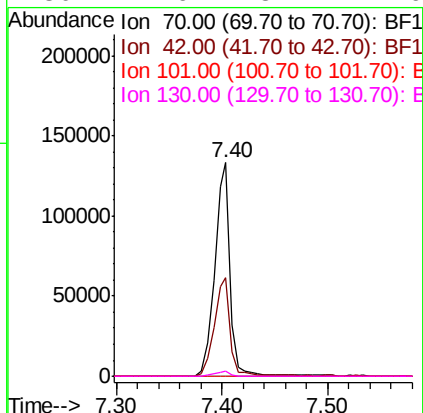
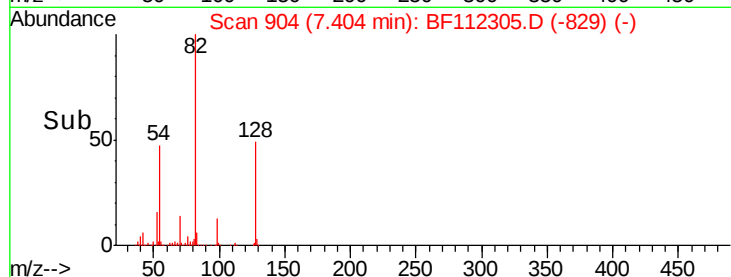
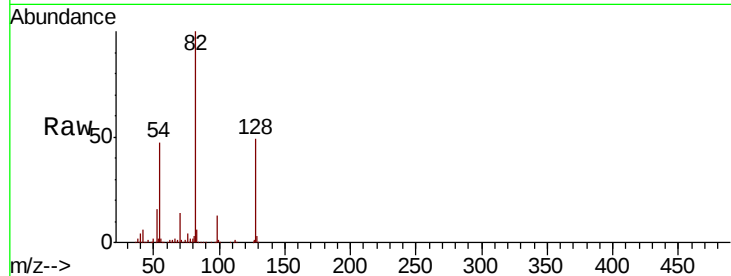




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.831 ng  
RT: 7.40 min Scan# 904  
Delta R.T. 0.14 min  
Lab File: BF112305.D  
Acq: 29 Jan 2019 19:54

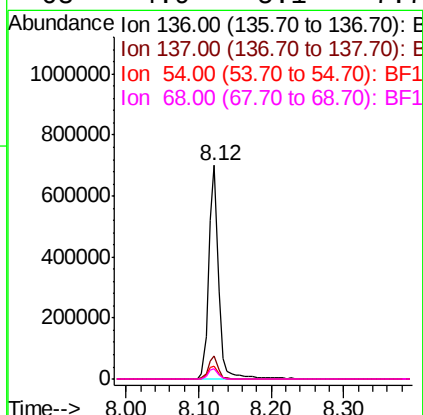
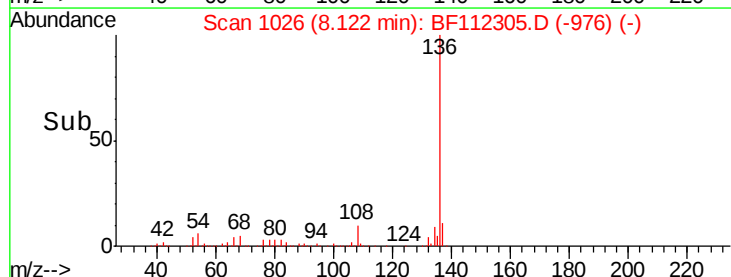
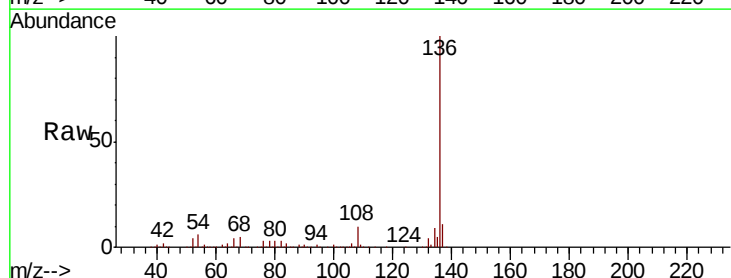
Instrument :  
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012519-SIDI-E-D-B

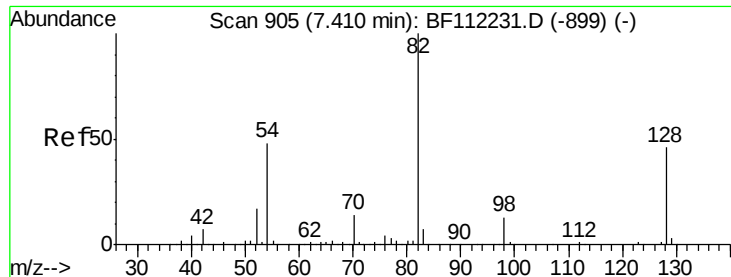
Tgt Ion: 70 Resp: 137560  
Ion Ratio Lower Upper  
70 100  
42 45.9 47.6 71.4#  
101 0.0 7.9 11.9#  
130 2.6 18.4 27.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.12 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BF112305.D  
Acq: 29 Jan 2019 19:54

Tgt Ion: 136 Resp: 661311  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.1 13.7  
54 6.0 5.9 8.9  
68 4.9 5.1 7.7#

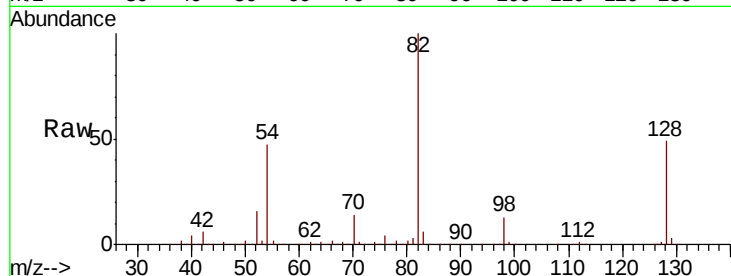




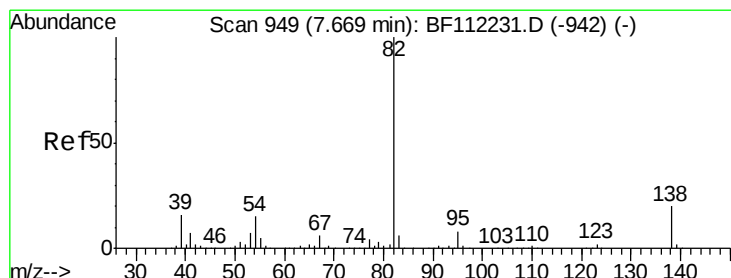
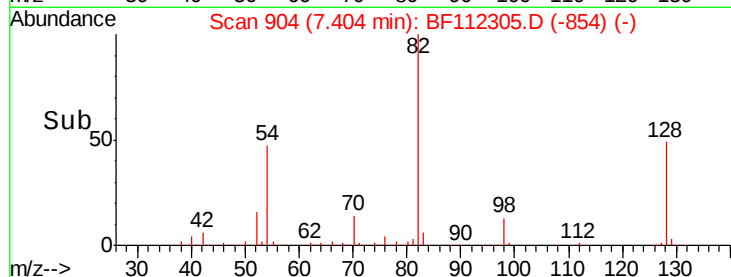
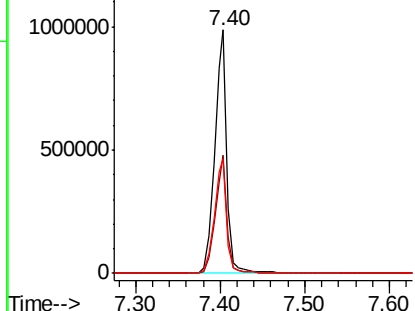
#23  
Nitrobenzene-d5  
Concen: 88.293 ng  
RT: 7.40 min Scan# 904  
Delta R.T. -0.01 min  
Lab File: BF112305.D  
Acq: 29 Jan 2019 19:54

Instrument :  
BNA\_F  
ClientSampleId :  
012519-SIDI-E-D-B

Tgt Ion: 82 Resp: 1013347  
Ion Ratio Lower Upper  
82 100  
128 48.6 37.8 56.8  
54 46.9 39.7 59.5

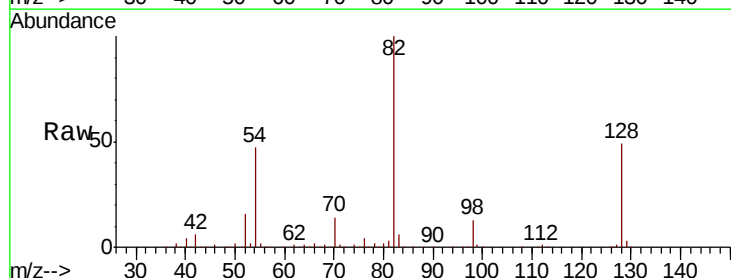


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

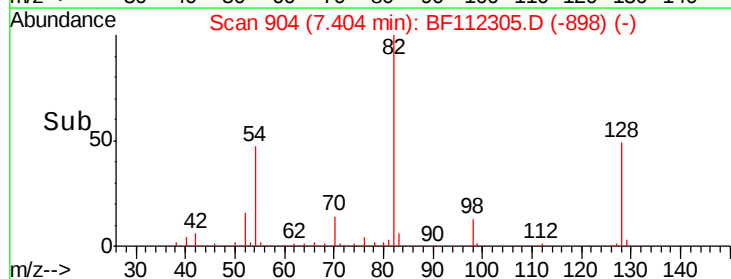
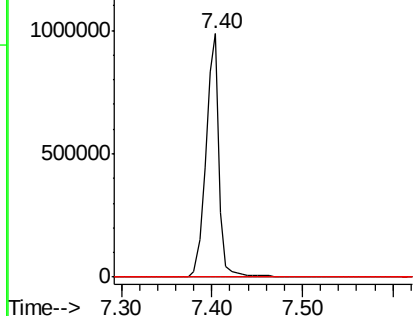


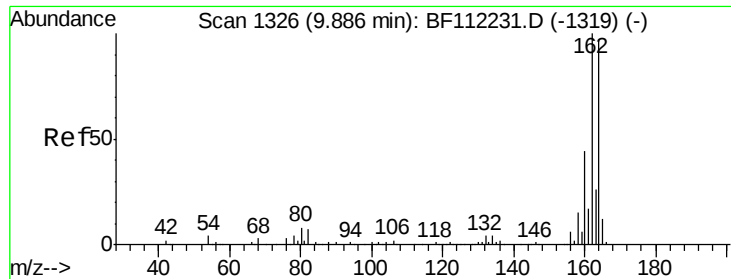
#25  
Isophorone  
Concen: 56.028 ng  
RT: 7.40 min Scan# 904  
Delta R.T. -0.26 min  
Lab File: BF112305.D  
Acq: 29 Jan 2019 19:54

Tgt Ion: 82 Resp: 1008789  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 15.4 23.0#



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

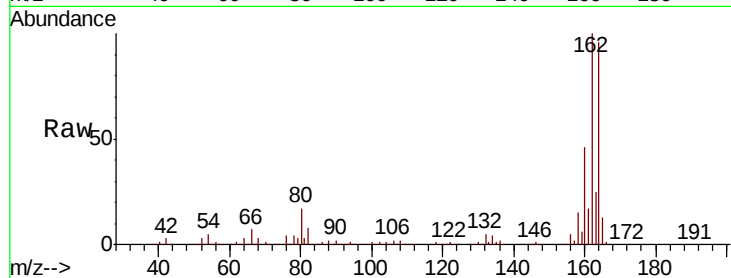




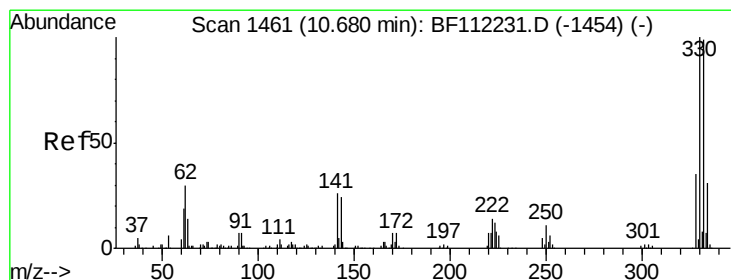
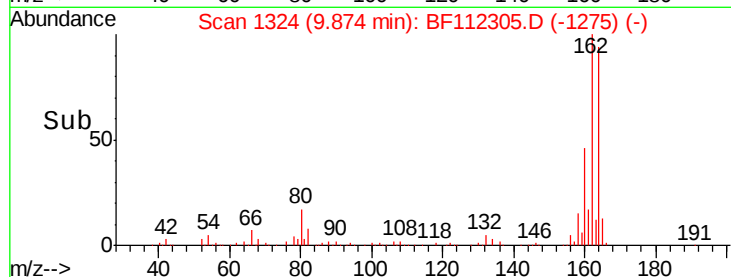
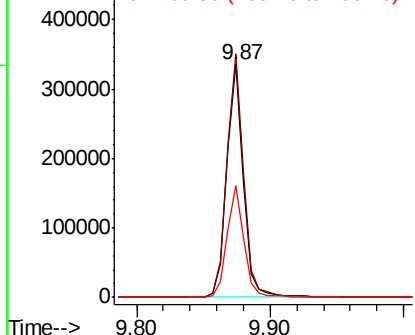
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.01 min  
 Lab File: BF112305.D  
 Acq: 29 Jan 2019 19:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 012519-SIDI-E-D-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.4 | 82.2  | 123.4 |
| 160     | 48.1  | 36.2  | 54.4  |

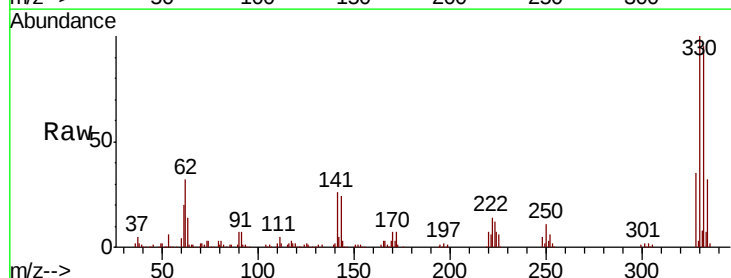


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

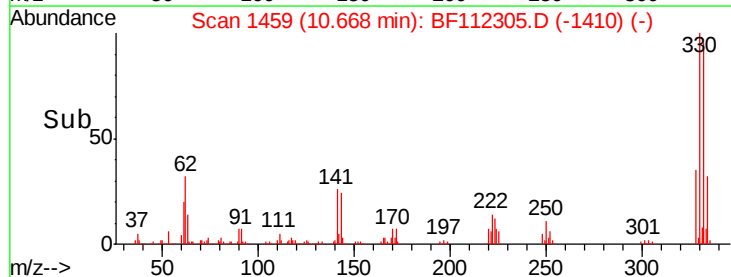
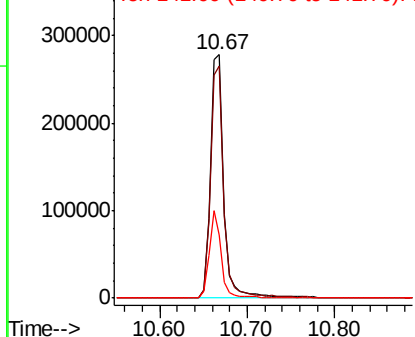


#42  
 2,4,6-Tribromophenol  
 Concen: 85.504 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.01 min  
 Lab File: BF112305.D  
 Acq: 29 Jan 2019 19:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.5  | 76.6  | 114.8 |
| 141     | 32.6  | 24.3  | 36.5  |



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

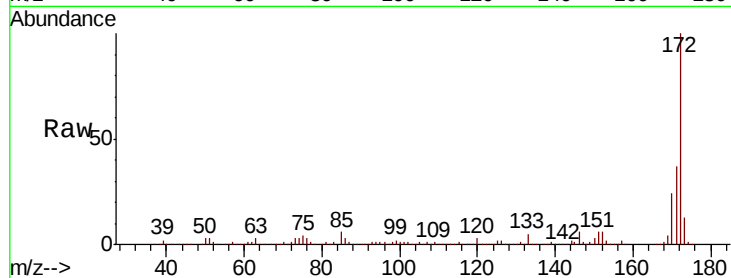




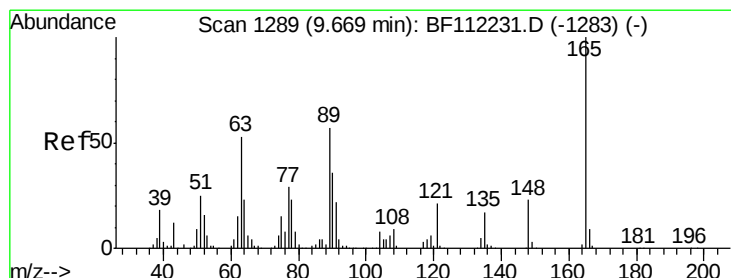
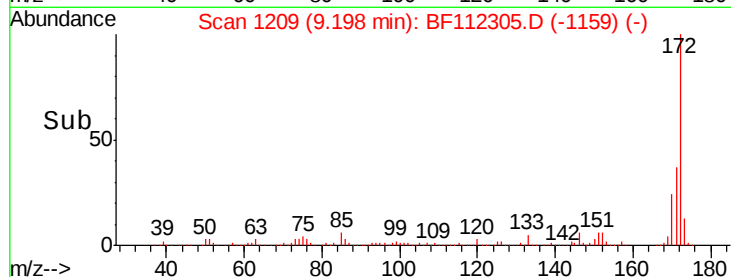
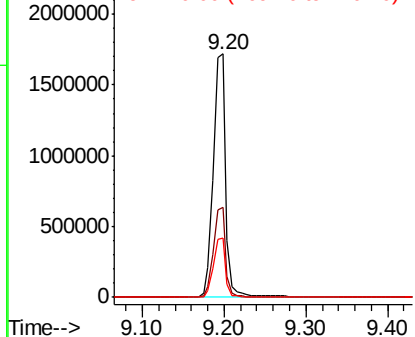
#45  
 2-Fluorobiphenyl  
 Concen: 87.230 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. -0.01 min  
 Lab File: BF112305.D  
 Acq: 29 Jan 2019 19:54

Instrument :  
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Tgt Ion:172 Resp: 1828389  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 30.5 45.7  
 170 24.4 20.2 30.4

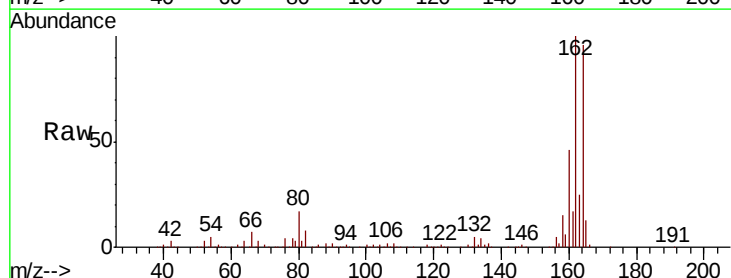


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

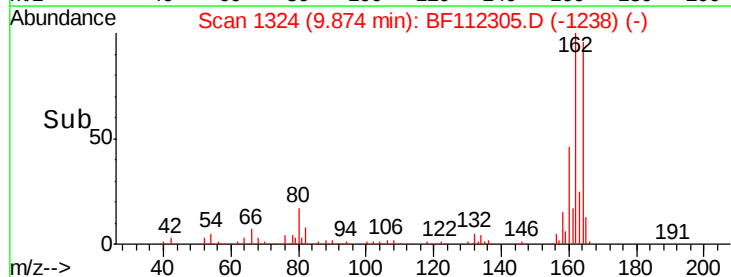
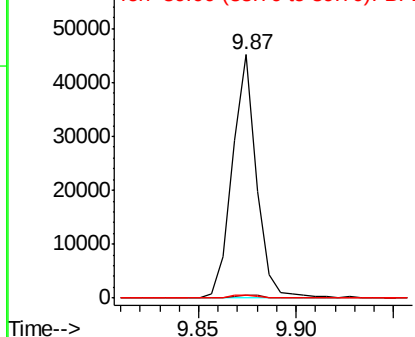


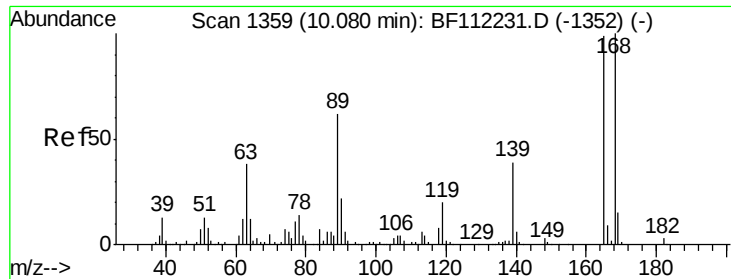
#51  
 2,6-Dinitrotoluene  
 Concen: 7.537 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. 0.21 min  
 Lab File: BF112305.D  
 Acq: 29 Jan 2019 19:54

Tgt Ion:165 Resp: 38881  
 Ion Ratio Lower Upper  
 165 100  
 63 1.4 33.8 50.8#  
 89 1.3 36.9 55.3#



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

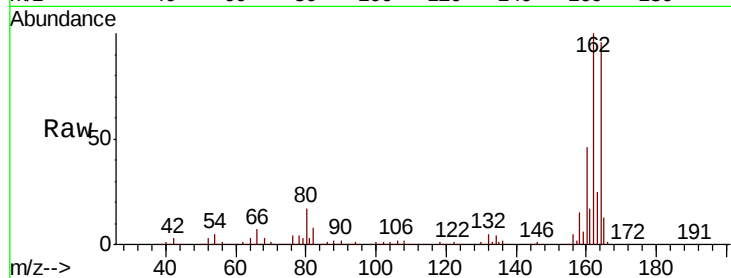




#57  
 2,4-Dinitrotoluene  
 Concen: 5.921 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.21 min  
 Lab File: BF112305.D  
 Acq: 29 Jan 2019 19:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 012519-SIDI-E-D-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 27.9  | 41.9# |
| 89      | 1.3   | 47.9  | 71.9# |
| 182     | 0.0   | 2.2   | 3.4#  |

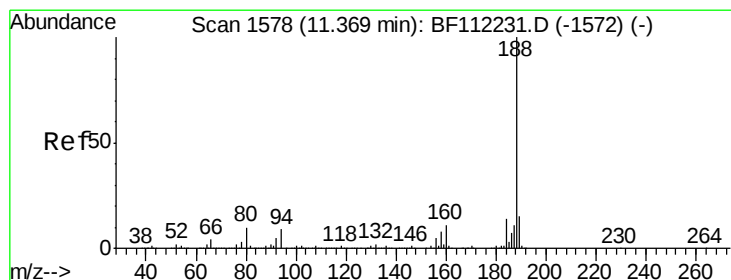
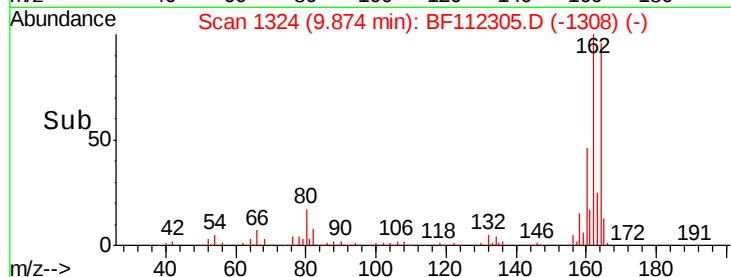
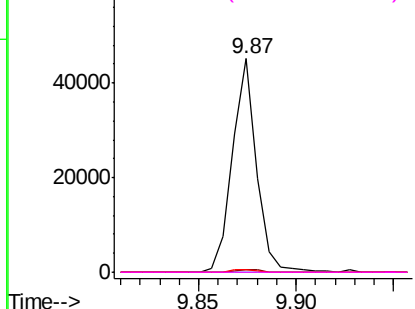


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

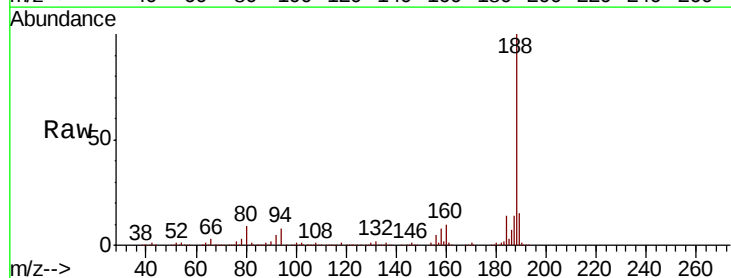
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.36 min Scan# 1577  
 Delta R.T. -0.01 min  
 Lab File: BF112305.D  
 Acq: 29 Jan 2019 19:54

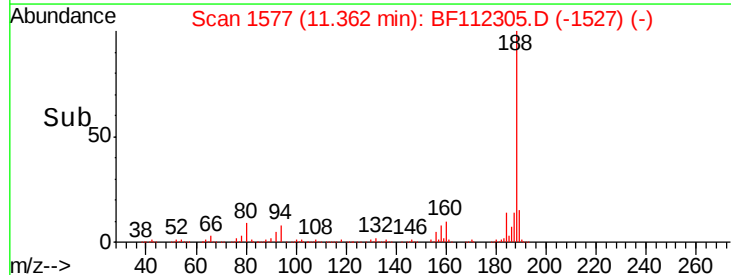
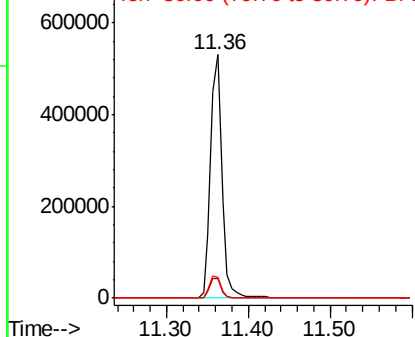
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.8   | 8.2   | 12.2# |
| 80      | 8.5   | 8.9   | 13.3# |

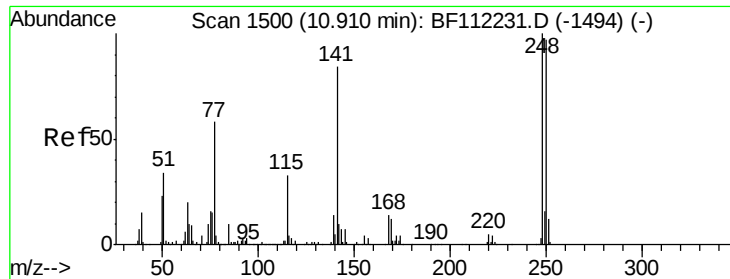


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

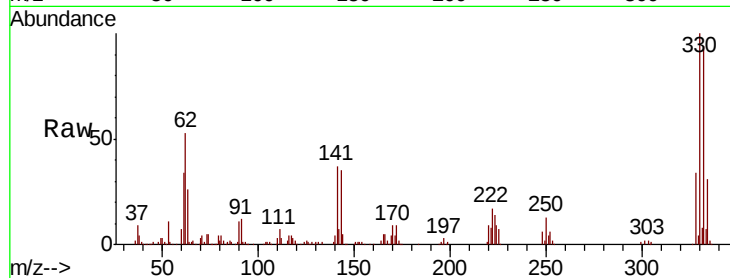




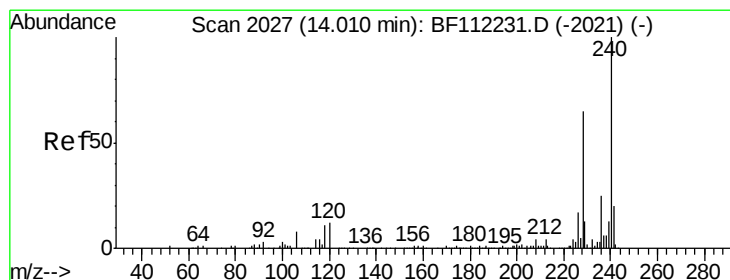
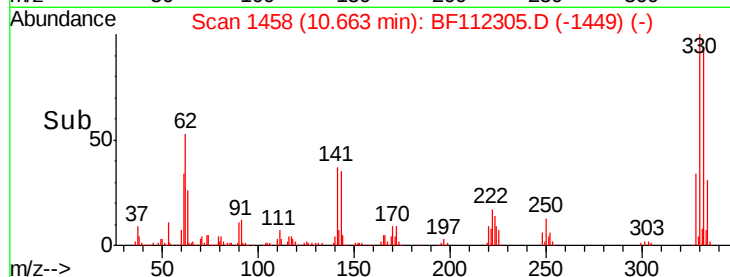
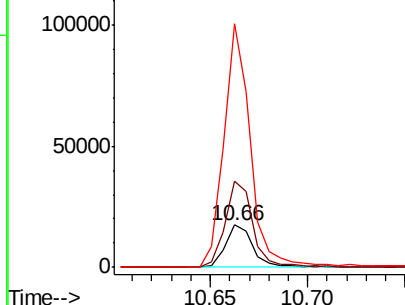
#67  
4-Bromophenyl-phenylether  
Concen: 2.808 ng  
RT: 10.66 min Scan# 1458  
Delta R.T. -0.25 min  
Lab File: BF112305.D  
Acq: 29 Jan 2019 19:54

Instrument :  
BNA\_F  
ClientSampleId :  
012519-SIDI-E-D-B

Tgt Ion:248 Resp: 17089  
Ion Ratio Lower Upper  
248 100  
250 203.2 79.7 119.5#  
141 572.9 60.3 90.5#

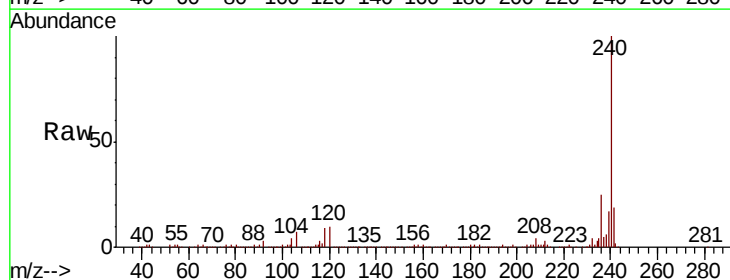


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

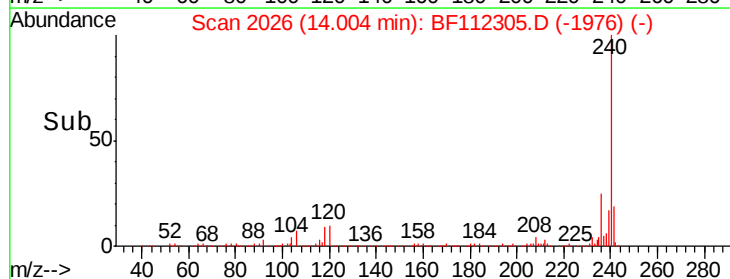
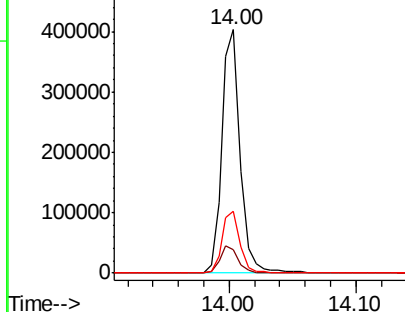


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2026  
Delta R.T. -0.01 min  
Lab File: BF112305.D  
Acq: 29 Jan 2019 19:54

Tgt Ion:240 Resp: 404904  
Ion Ratio Lower Upper  
240 100  
120 9.8 9.0 13.6  
236 25.2 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





#79

Terphenyl-d14

Concen: 72.118 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112305.D

Acq: 29 Jan 2019 19:54

Instrument :

BNA\_F

ClientSampleId :

012519-SIDI-E-D-B

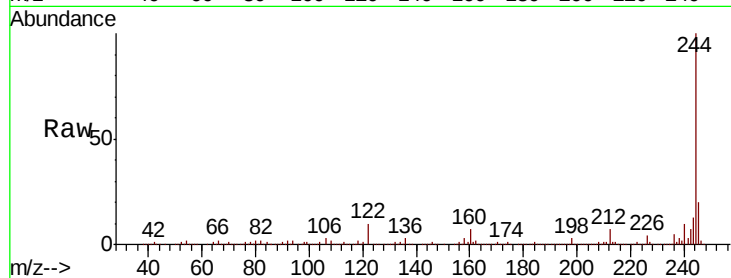
Tgt Ion:244 Resp: 1550402

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

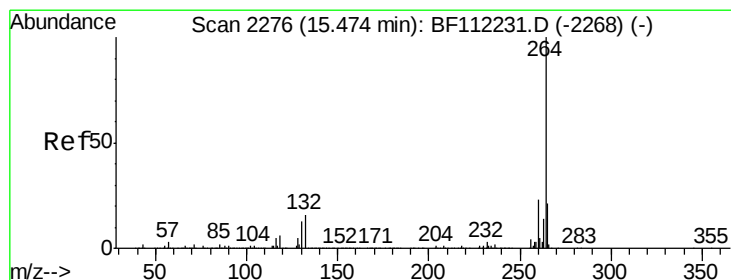
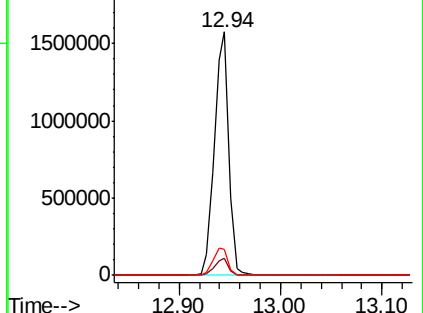
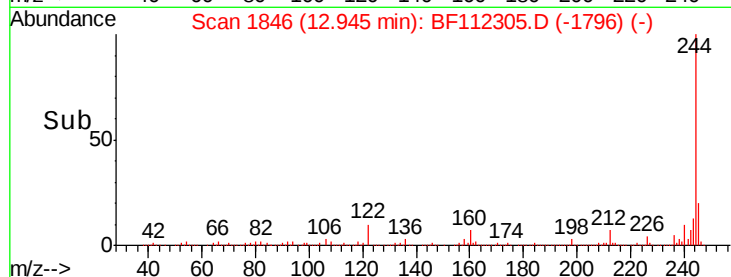
122 10.5 9.8 14.6



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: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112305.D

Acq: 29 Jan 2019 19:54

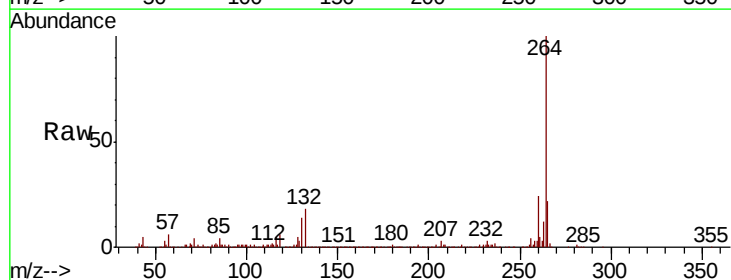
Tgt Ion:264 Resp: 378340

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.2

265 21.9 17.0 25.4



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

